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1974

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RESEARCH GRANTS INDEX

FISCAL YEAR 1974



Vol. II Index Section MAM - Z
Project Identification Data
Research Contracts
Alphabetical List of Investigators

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service National Institutes of Health
Division of Research Grants ,
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CONTENTS

VOLUME I	Page
Forward	iii
Introduction	vi
Glossary of Abbreviations	ix
Subject Headings (A - MAM)	1

VOLUME II	Page
Glossary of Abbreviations	iii
Subject Headings (MAM - Z)	1101
Project Identification Data	1991
Research Contracts	2425
Alphabetical List of Investigators	2456

GLOSSARY OF ABBREVIATIONS

Grant Numbers. Numbers for research grants (e.g., EY-00012-11) consists of a 2-letter code (EY) representing the organization supporting the project, followed by a 5-digit serial number (00012) and a suffix (-11) which indicates the number of years the grant has been active. Certain large program grants have been broken down into a series of subprojects dealing with different aspects of research, and the subprojects have been assigned sequential numbers which follow the continuation suffix in the basic grant number (EY-00523-13 0001, EY-00523-13 0002, etc.)

Contract Numbers. Numbers for research contracts (e.g., CB-33875-03) are also composed of a 2-letter code (CB) representing the supporting organization, and a 5-digit number. However, the first digit of this number (3) indicates the fiscal year in which the contract was awarded initially (1973), and the remaining four digits (3875) are the contract identification number. The suffix (-03), in the case of contracts, represents the number of modifications to the contract rather than number of years.

ORGANIZATIONS AWARDING RESEARCH GRANTS OR CONTRACTS

- AA -- National Institute on Alcohol Abuse and Alcoholism, Alcohol, Drug Abuse, and Mental Health Administration
- AG -- National Institute on Aging, National Institutes of Health
- AH -- Division of Allied Health Manpower, Health Resources Administration
- AI -- National Institute of Allergy and Infectious Diseases, National Institutes of Health
- AM -- National Institute of Arthritis, Metabolism and Digestive Diseases, National Institutes of Health
- CA -- National Cancer Institute, National Institutes of Health
- CB -- Division of Cancer Biology and Diagnosis, National Cancer Institute
- CC -- Center for Disease Control, Health Resources Administration
- CL -- Clinical Center, National Institutes of Health
- CM -- Division of Cancer Treatment, National Cancer Institute
- CN -- Office of the Director (Office of Cancer Control), National Cancer Institute
- CO -- Office of the Director, National Cancer Institute
- CP -- Division of Cancer Cause and Prevention, National Cancer Institute
- CT -- Division of Computer Research and Technology, National Institutes of Health
- DA -- National Institute on Drug Abuse, Alcohol, Drug Abuse, and Mental Health Administration
- DE -- National Institute of Dental Research, National Institutes of Health
- DH -- Division of Dental Health, Health Resources Administration
- ES -- National Institute of Environmental Health Sciences, National Institutes of Health
- EY -- National Eye Institute, National Institutes of Health
- FD -- Food and Drug Administration
- GM -- National Institute of General Medical Sciences, National Institutes of Health
- HB -- Division of Blood Diseases and Resources, National Heart and Lung Institute
- HD -- National Institute of Child Health and Human Development, National Institutes of Health
- HI -- Division of Intramural Research, National Heart and Lung Institute
- HL -- National Heart and Lung Institute, National Institutes of Health

- HO -- Office of the NHLI Director, National Heart and Lung Institute
- HR -- Division of Lung Diseases, National Heart and Lung Institute
- HS -- National Center for Health Services Research and Development, Health Resources Administration
- HV -- Division of Heart and Vascular Diseases, National Heart and Lung Institute
- JT -- Joint support by two or more organizations
- LM -- National Library of Medicine, National Institutes of Health
- MB -- Office of the BHRD Director, Health Resources Administration
- MH -- National Institute of Mental Health, Alcohol, Drug Abuse, and Mental Health Administration
- MI -- Division of Manpower Intelligence, Health Resources Administration
- NS -- National Institute of Neurological Diseases and Stroke, National Institutes of Health
- NU -- Division of Nursing, Bureau of Health Manpower Education, Health Resources Administration
- OD -- Office of the Director, National Institutes of Health
- OH -- National Institute of Occupational Safety and Health, Center for Disease Control
- PE -- Division of Physician and Health Professions Education, Health Resources Administration
- RG -- Division of Research Grants, National Institutes of Health
- RL -- Bureau of Radiological Health, Food and Drug Administration
- RR -- Division of Research Resources, National Institutes of Health
- RS -- Division of Research Services, National Institutes of Health
- TW -- Fogarty International Center, National Institutes of Health

REVIEW GROUPS

Study Sections or Committees giving technical review to grant applications are abbreviated in the Project Identification Data Section, Volume II, as shown below. (Contracts were not reviewed by the research grants Review Groups in fiscal year 1974.)

- AFY -- Applied Physiology and Bioengineering Study Section
- AIRC -- Allergy and Immunology Research Committee
- ALC -- Alcoholism and Alcohol Problems Review Committee
- ALY -- Allergy and Immunology Study Section
- AMP -- Arthritis and Metabolic Diseases Program Project Committee
- AR -- Animal Resources Committee
- ASRB -- Public Inebriate; Drinking Driver; Poverty Alcoholism; Demonstration, Surveys Special Review - NIAAA
- ASRC -- Community Assistance Special Review Committee - NIAAA
- ASRI -- Indian Alcoholism Special Review Committee - NIAAA
- ASRO -- Occupational Alcoholism Special Review Committee - NIAAA
- ASRP -- Community Prevention; Youth Education Special Review Committee - NIAAA
- BBCA -- Biophysics and Biophysical Chemistry Study Section A
- BBCB -- Biophysics and Biophysical Chemistry Study Section B
- BCM -- Biomedical Communications Study Section
- BIO -- Biochemistry Study Section
- BLR -- Biomedical Library Review Committee
- BM -- Bacteriology and Mycology Study Section
- BP -- Bladder-Prostate Cancer Advisory Committee
- CAK -- Cancer Special Program Advisory Committee

CAP -- Cancer Program Project Committee
 CBY -- Cell Biology Study Section
 CCG -- Cancer Control Grants Review Committee
 CDR -- Communicative Disorders Review
 CCI -- Cancer Clinical Investigation Review Committee
 CD -- Crime and Delinquency Review Committee
 CDC -- Communicable Disease Control Study Section
 CDE -- Dental Health Research and Education Advisory Committee
 CLR -- Clinical Research Centers
 CMS -- Communicative Sciences Study Section
 COM -- Computer and Biomathematical Sciences Study Section
 CPP -- Clinical Psychopharmacology Research Review Committee
 CPR -- Mental Health Clinical Projects Research Review Committee
 CRC -- Construction Review Committee
 CVA -- Cardiovascular and Pulmonary Research Study Section A
 CVB -- Cardiovascular and Renal Research Study Section B
 DBR -- Developmental Behavioral Sciences Study Section
 DEN -- Dental Study Section
 DEP -- Dental Program Project Committee
 DER -- Dermatology Training Committee
 DSR -- Dental Research Institute Review Committee
 EDC -- Epidemiology and Disease Control Study Section
 END -- Endocrinology Study Section
 EPR -- Experimental Psychology Research Review Committee
 ESR -- Epidemiologic Studies Review Committee
 ET -- Experimental Therapeutics Study Section
 EUH -- Engineering and Urban Health Sciences Study Section
 EXP -- Experimental Psychology Study Section
 GEN -- Genetics Study Section
 GMA -- General Medicine Study Section A
 GMB -- General Medicine Study Section B
 GMP -- General Medicine Research Program Project Committee
 GRS -- General Research Support Program Advisory Committee
 HCT -- Health Care Technology Study Section
 HDAG -- Adult Development and Aging Research and Training Committee
 HDGD -- Growth and Development Research and Training Committee
 HDMC -- Maternal and Child Health Research Committee
 HDMR -- Mental Retardation Research and Training Committee
 HDPB -- Perinatal Biology and Infant Mortality Research and Training Committee
 HDPR -- Population Research and Training Committee
 HED -- Human Embryology and Development Study Section
 HEM -- Hematology Study Section
 HEP -- Heart Program Project Committee
 HSDG -- Health Services Developmental Grants Study Section
 HSR -- Health Services Research Study Section
 ICC -- International Centers Committee
 IMB -- Immunobiology Study Section
 JP -- Juvenile Problems Research Review Committee
 LB -- Colon-Rectum (Large Bowel) Cancer Advisory Committee
 LTC -- Long Term Care for the Elderly-Research Review & Advisory Committee
 MBC -- Microbial Chemistry Study Section
 MBY -- Molecular Biology Study Section

MCHA -- Medicinal Chemistry Study Section A
MCHB -- Medicinal Chemistry Study Section B
MET -- Metabolism Study Section
MHP -- Mental Health Clinical Program Projects Research Review
MHS -- Mental Health Services Research Review Committee
MHSR -- Mental Health Special Review - Research
MP -- Metropolitan Mental Health Problems Review Committee
MPO -- Health Manpower Opportunity Advisory Committee
MSM -- Mental Health Small Grant Committee
NAD -- Narcotic Addiction and Drug Abuse Review Committee
NEUA -- Neurology Study Section A
NEUB -- Neurology Study Section B
NP -- Neuropsychology Research Review Committee
NRE -- Nursing Research and Education Advisory Committee
NSPA -- Neurological Disorders Program Project Committee A
NSPB -- Neurological Disorders Program Project Committee B
NSS -- No Initial Review Group
NTF -- Nurse Training Facilities Construction Review Committee
NTN -- Nutrition Study Section
NTR -- Narcotic Addict Treatment Review Committee
PC -- Physiological Chemistry Study Section
PCR -- Personality and Cognition Research Review Committee
PHRA -- Pharmacology Study Section A
PHY -- Physiology Study Section
PME -- Primate Research Centers
PNL -- Perinatal Review Committee
POP -- Population Research Study Section
PPR -- Psychopharmacology (Preclinical) Research Review Committee
PTHA -- Pathology Study Section A
PTHB -- Pathology Study Section B
PTR -- Pharmacology-Toxicology Review Committee
RAD -- Radiation Study Section
REB -- Reproductive Biology Study Section
RRT -- Radiological Health Research and Training Grants Review Committee
SGYA -- Surgery Study Section A
SGYB -- Surgery Study Section B
SOH -- Safety and Occupational Health Study Section
SP -- Social Problems Research Review Committee
SRC -- Special Review
SSR -- Social Sciences Research Review Committee
SSS -- Special Study Section
SUP -- Suicide Prevention Review Committee
TEC -- Therapeutics Evaluation Committee
TMP -- Tropical Medicine and Parasitology Study Section
TOX -- Toxicology Study Section
VISA -- Visual Sciences Study Section A
VISB -- Visual Sciences Study Section B
VR -- Virology Study Section
VSN -- Vision Research Training Committee
() -- PHS Research Contracts**

MAMMALS, BATS*

- R07AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
- ** R01AI-11383-02 Neotropical bats and encephalitis arboviruses
- ** R01AI-11927-01 Colonial bats as overwintering reservoir of EEE virus
- ** R01NS-07616-13 Acoustic perception and echo-orientation (bats)

MAMMALS, CARNIVORES*

- R01AI-10588-03 Epidemiology of echinococcosis (carnivores, ungulates)

MAMMALS, CARNIVORES, CATS*

- ** R01CA-13184-03 Registry of canine and feline neoplasms (Tulsa County, Okla)
- R01EY-00091-08 Neuromuscular effects of anesthetic agents (cats)
- R01EY-00598-06 Oculomotor control system (primates, cats)
- R01FD-00646-05 Quantitative effects of EM energy on human tissues (and cats)
- R01NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
- R01NS-05937-09 Lateral hypothalamic recovery
- R01NS-06558-09 Central vestibular mechanisms (cats)
- R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- R01NS-11650-01 Morphology of collateral nerve sprouting (cats)
- R01NS-12051-01 Transport of levodopa derivatives (cats)
- P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)

MAMMALS, CARNIVORES, DOGS*

- P01AI-11759-01 0008 Clinical and laboratory studies relating to lung disease - Animal models of hypersensitivity lung disease (monkeys, dogs)
- R01AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
- R01AM-12934-05 Physiology of the secretion of sweat (human, cats, rats, primates)
- R01AM-16138-03 Basement membranes (dogs)
- R01AM-16244-07 Renal lymph and renal function (dogs)
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- ** R01CA-10401-06 Immunologic studies of canine neoplasia
- P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
- ** R01CA-13184-03 Registry of canine and feline neoplasms (Tulsa County, Okla)
- R01DA-01095-01 Kinetics of heroin, morphine and biogenic amines
- ** R01GM-19241-03 Developmental genetics of the dog
- M R01HD-08432-01 Parenteral nutrition in newborn animals
- R01HL-03181-17 0023 Hemodynamics as applied to surgical problems - Intravascular coagulation (dogs)
- P01HL-07896-13 0027 Environmental biomedical research program - Decompression sickness in dogs
- R01HL-11668-07 0007 Cineangiographic studies of the cardiovascular system - Changes in ventricular volume and contractility after cardiac surgery (human, dog)
- R01HL-13427-04 Neural control of blood volume (dogs)
- P17HL-14159-04 0014 Specialized center of research in hypertension - Primary aldosteronism (human, guinea pigs, dogs)
- P17HL-15061-03 0010 Response of lung to injury - An animal model system for the study of bronchiolitis and its sequelae (dogs)
- R01HL-15307-02 Central nervous control of renal and blood pressure
- ** R01HL-15647-02 Hematopoietic studies of canine cyclic neutropenia
- R01HL-16292-01 0001 Surgery and non-obstructive coronary insufficiency - Ventricular fibrillation during heart-lung bypass-hypertrophied hearts (dogs)
- ** R01HL-16822-07 Canine resource colony-Coagulation research
- R01NS-11636-02 Electron microscopy and histochemistry of the inner ear (animals)
- P06RR-00272-09 Gern free facility-LSU school of medicine
- P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)

MAMMALS, CARNIVORES, MINK*

- R01AI-11250-02 Transmissible spongiform encephalopathies (mice, monkeys)
- P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)

MAMMALS, CARNIVORES, SKUNKS*

- R01HD-06556-03 Hormonal control of delayed implantation (skunks)

MAMMALS, CARNIVORES AQUATIC*

- ** R01ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)

MAMMALS, LAGOMORPHS*

- R22AI-09962-03 Diagnostic protoplasmic sensitivities from mycobacteria (rodents, rabbits)
- ** N01AI-81406-10 Maintenance and breeding of research animals (rabbits)
- R01AM-11923-07 Regulation of galactose metabolism (E cell, rabbits)
- R01AM-18074-01 Crystal deposition diseases (human, rats, rabbits)
- R01EY-00699-04 Intermediary metabolism of the cornea (rabbits)
- ** P01GM-10402-12 0034 Zoophysiology in Alaska - Changes in snowshoe rabbits during their 10-year cycle
- R01GM-18350-04 Immunobiology of the laboratory rabbit
- P01HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)
- P01HL-08886-11 0044 Radiology-physiology cardiovascular research - Safety of ophthalmologically applied ultrasound (rabbits)
- P01HL-13480-04 0017 Cardiac electrophysiology - Multiphasic circuitry for body surface isopotential mapping (human, rabbit)
- P17HL-14169-04 0009 Pulmonary disease center - Pulmonary immunology and immunopathology (rats, rabbits)
- R01HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
- R01NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- ** P06RR-00251-09 Rabbit inbred and mutant stock resource

MAMMALS, MARSUPIALS*

- R01HD-01026-10 0001 Cytology of mammalian differentiation - Uterine-placental relationship (bandicoots, rats, opossums)

MAMMALS, MARSUPIALS, OPOSSUM*

- R01HD-01026-10 0001 Cytology of mammalian differentiation - Uterine-placental relationship (bandicoots, rats, opossums)

MAMMALS, MICE*

- R01AI-00092-24 Visceral leishmaniasis in experimental animals (rodents)
- R01AI-06525-10 The histocompatibility antigens of the mouse
- R22AI-09962-03 Diagnostic protoplasmic sensitivities from mycobacteria (rodents, rabbits)
- R01AI-11073-02 Gonococcus infection (human, mice)
- R01AI-11240-02 Cell biology of the immune response to bacteria (mice)
- R01AI-11326-02 Development of thymic lymphocytes (mice)
- R01AM-06011-13 0001 Diet control of lipid metabolism - Partial purification of sa-glycerol-3-phosphate acyltransferase (mice)
- R01AM-16220-03 Specific radioassays for folate analogues (human, rabbits, mice)
- R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- R01CA-05298-14 Cellular pharmacology of folate antagonists (human, rats, mice)
- R01CA-10000-08 Filterable agents and tumor induction in mice
- R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- R01CA-14113-02 Tumor immunity (mice)
- R01CA-14792-02 Radioimmunoassay of mammalian oncornavirus antigens (human, rodents)
- R26CA-15405-01 Transmissible murine colonic hyperplasia
- P01CA-16228-01 0004 Cell membrane in proliferation and oncogenesis - Cyclic GMP control of proliferation and cell function (mice, human)
- ** N01CB-92142-13 Transplantation and preservation of plasma cell tumors in mice
- ** N01CM-02008-07 Incidence of Salmonella carriers in mice
- ** N01CM-02035-05 Iso-antigen typing of mouse strains and tumors
- ** N01CM-12010-05 Maintenance of nucleus colony of inbred mice
- ** N01CM-92251-08 Operation of trust stock colony of mice
- N01CP-33307-01 Etiology of medulloblastoma and other brain tumors (mice, rats)
- N01CP-45617-00 Partial support for the institute of laboratory animal resources
- R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
- R01ES-01055-01 Lead and PCBs-Pharmacologic and toxicologic studies (human, mammals, birds)
- P01GM-09069-12 0084 Research in anesthesiology - Induction of drug metabolizing enzymes (mice)
- R01GM-12323-10 0015 Biochemical genetics - Ethidium bromide effect on mouse mitochondria
- R01GM-12323-10 0016 Biochemical genetics - Mitochondrial-virus association with a mouse lymphoma
- P01GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
- R01HL-12236-06 Biological synthesis of protein (human, mammals)

- P18HL-15169-03 0009 Comprehensive sickle cell disease center - The high incidence of pneumococcal infections in sickle cell anemia (human, mice)
- R01HL-16935-01 Tissue organization and turnover in the aortic valve (human, rodents, ungulates)
- R01MH-13682-07 Neutrotropic drug effect on biogenic amino metabolism (rats, guinea pigs, mice)
- R03MH-26166-01 Social interactions in natural populations (mice)
- P01NS-11631-01 0086 Clinical center for research on Parkinson's and allied diseases - Influenza virus (mice, monkeys)
- P06RR-00272-09 Gern free facility-LSU school of medicine
- ** P06RR-00343-08 Animal resource-inbred and mutant mouse stocks
- ** P06RR-00518-06 Resource facility for wild rodents
- ** P06RR-00602-03 SPF mouse colony for research in behavioral genetics

MAMMALS, MICE A/HE*

- N01CM-22004-06 Maintenance of a genetic center

MAMMALS, MICE, AKR/J*

- P01GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)

MAMMALS, MICE BALB*

- P01GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)

MAMMALS, MICE BALB/C*

- N01CM-22004-06 Maintenance of a genetic center
- ** N01CP-60914-13 Operation of BALB/c mouse colony

MAMMALS, MICE C57BL/6*

- N01CM-22004-06 Maintenance of a genetic center
- P01GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
- P01GM-19521-03 0008 Genetic study of mammalian control systems - Physical and chemical studies of lysosomal enzymes (mice, human)
- R01NS-09569-02 Med-myopathy-A new hereditary myopathy (mice)

MAMMALS, MICE C3H*

- P01GM-19521-03 0008 Genetic study of mammalian control systems - Physical and chemical studies of lysosomal enzymes (mice, human)

MAMMALS, MICE C3H/HE*

- N01CM-22004-06 Maintenance of a genetic center

MAMMALS, MICE DBA/2*

- N01CM-22004-06 Maintenance of a genetic center
- P01GM-19521-03 0008 Genetic study of mammalian control systems - Physical and chemical studies of lysosomal enzymes (mice, human)
- P01GM-19521-03 0009 Genetic study of mammalian control systems - Chemical synthesis of reagents and substrates

MAMMALS, MICE HAIRLESS*

- N01AI-02131-05 Study of interferon and interferon inducers (rabbits, mice)

MAMMALS, MICE NZB*

- R01CA-14928-10 C-type RNA virus and immunopathology (mice)

MAMMALS, MICE NZB/NZW*

- P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)

MAMMALS, MICE PEROMYSCUS*

- R01HD-06754-02 A fetal-maternal model system (dormouse)

MAMMALS, PRIMATE COLONIES

SEE ALSO PRIMATE RESEARCH CENTERS ADVISORY COMMITTEE

- R01AI-09478-04 The biology and therapy of tuberculosis (primates, guinea pigs)
- R01AI-09741-05 Occult filariasis and immunologic responses (dogs, monkeys)
- ** R01AI-12007-09 Immunologic tolerance in the marmoset
- ** N01CM-33708-03 Pharmacologic and carcinogenic studies in neonatal primates (mice)
- ** N01CP-33271-01 Maintain a marmoset breeding colony
- ** N01CP-33340-01 Maintenance of a chimpanzee colony
- ** N01CP-33343-01 Maintenance of an irradiated monkey colony
- ** N01CP-43224-00 Oncogenic activity of virus preparations in primates
- M P01DE-02918-06 Oral-facial growth and development in primates
- ** R01HD-05902-04 Aging in monkeys
- ** N01HD-12088-04 Non-human primate breeding colony
- ** R01HL-15448-02 0006 Surgical and metabolic aspects of venous grafts - Establishment of rhesus monkey colony
- ** R01MH-13864-07 Principles of primate social organization (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01MH-19617-04 Quantitative studies of primate social groups (baboons)
 ** R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)
 ** R03MH-23956-01 Social development of primates
 N01NS-32301-01 Animal holding facilities and services
 ** S01RR-05694-05 General research support (primate research center)
 ** N01RR-32134-04 Domestic production of Rhesus monkeys
 ** N01RR-42141-00 Ecology and breeding of sub-human primates
 ** N01RR-42179-00 Breeding colony of rhesus monkeys
 ** N01RR-42180-00 Breeding colony of rhesus monkeys
 ** N01RR-42184-00 Nonhuman primate colonies for NIH research
 ** N01RS-42177-00 Provision of timed pregnant baboons (Papio Cynocephalus)
 ** N01RS-42178-00 Provision of baboon (Papio Cynocephalus) timed pregnancies
 ** N01RS-42181-00 Establishing and maintaining a breeding colony of rhesus monkeys
 ** N01RS-42182-00 Breeding colony of rhesus monkeys
- MAMMALS, PRIMATES**
 R01AA-00217-07 Chronic alcohol consumption in primates (chimpanzees)
 R22A-01636-17 Acquired immunity in tuberculosis (mice, guinea pigs, monkeys)
 ** R01AI-07632-06 Cholera immunology in primates
 ** R01AI-08648-06 Pathogenesis and epidemiology of simian viruses (primates)
 R07A-10048-14 0005 International center for medical research - Ecological studies within Bustees of Calcutta (mammals, fish, birds)
 R22A-10269-03 Filariae of man in primates
 P01A-11759-01 0008 Clinical and laboratory studies relating to lung disease - Animal models of hypersensitivity lung disease (monkeys, dogs)
 R13A-11800-01 Workshop on transplantation genetics of primates
 M P01AM-08445-10 Biology of skin of man and other primates
 ** R01AM-08764-10 Blood grouping studies in primates
 R01AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
 R01AM-14563-04 Vagal release of gastrin (cats, rhesus monkeys)
 R01AM-15913-03 Biochemical approaches to sickle cell anemia (human, primates)
 R01AM-16217-02 Obesity and the regulation of appetite (monkeys)
 R01AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
 P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
 P17AM-17047-01 0001 Diabetes-endocrinology research center - Core facilities
 P01CA-06927-12 0024 Biological and biochemical program in cancer research - Tumor cell antigenicity and resistance to carcinogens (mice, monkeys)
 R01CA-14771-01 Radiation nephritis in a nonhuman primate (Macaca)
 R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
 N01CB-02103-10 Bone marrow transplantation studies in Rhesus monkeys
 N01CP-23299-01 Provide animal holding facilities and services
 ** N01CP-33271-01 Maintain a marmoset breeding colony
 N01CP-60902-11 Produce simian foamy virus reagents and antisera
 R01DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
 R01DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)
 R01DA-00667-02 Abuse liability and potential toxicity of 9 δ THC
 N01DA-20166-02 Mutagenicity studies of delta-9-tetrahydrocannabinol (rats, primates)
 R01DE-02152-09 0013 Dental physiology and biophysics - Response characteristics of pulp activated cortical cells (monkeys)
 P13DE-02623-08 0021 Center for oral health research - Ultrastructure of periodontal tissues (human, primates)
 R01DE-02633-07 Primate experiment on skull asymmetry in cleft palate
 P13DE-02731-08 0007 Development support for dental research institute - Oral histology (primates, mice, rats)
 P01DE-02918-06 0001 Oral-facial growth and development in primates - Dental developmental genetics (Papio, Macaca)
 P01DE-02918-06 0002 Oral-facial growth and development in primates - Prenatal and postnatal craniofacial development (Macaca, Papio)
 P01DE-02918-06 0004 Oral-facial growth and development in primates - Production and treatment of cleft lip and palate (M mullatta)
 P01DE-02918-06 0006 Oral-facial growth and development in primates - Temporomandibular joint response to loading forces (M nemestrina)
 P01DE-02918-06 0007 Oral-facial growth and development in primates - Mastication (M nemestrina)
 P01DE-02918-06 0009 Oral-facial growth and development in primates - Effect of inadequate zone of gingiva on periodontium (M mullatta)
 P01DE-02918-06 0011 Oral-facial growth and development in primates - Unilateral condylar hypoplasia and facial symmetry (M nemestrina)
 P01DE-02918-06 0012 Oral-facial growth and development in primates - Surgical lengthening of superior lip (Erythrocebus patas)
 R01DE-03227-03 Immediate metal implants into extraction sockets (dogs, baboons)
 ** N01DE-71476-10 Reimplantation of baboon teeth
 R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
 P01EY-00299-09 0023 Neurophysiology of the visual apparatus - Pharmacological weakening of extraocular muscles (monkeys)
 P01EY-00446-06 0009 External ocular disease center - Corneal graft reaction (guinea pigs and primates)
 P01EY-00568-06 Neurophysiology of all-cone vision (monkeys, cats)
 P01GM-09069-12 0003 Research in anesthesiology - Maternal-fetal temperature gradients in baboons
 P01GM-12527-10 0001 Anesthetic and related drugs - Uptake, distribution and metabolism (human, animals)
 P01GM-15253-08 0013 Genetics in medicine - Gene action in man - Polymorphism in the CNS (human, macaca, mice)
 P01GM-15253-08 0029 Genetics in medicine - Gene action in man - Search for thalassaemia-like syndromes in nonhuman primates
 P11GM-15956-07 0020 Factors affecting the responses to drugs - Pyrazolones and drug effects (rodents, human)
 P01GM-16496-06 0014 Clinical pharmacology - Pharmacokinetics - Centrally active amines - Alpha-methyl dopa (monkeys, human)
 P01GM-16496-06 0020 Clinical pharmacology - Pharmacokinetics - Gastrointestinal absorption studies (primates)
 P01GM-18153-04 0012 Gene control of mammalian cell differentiation - rRNA genes (Drosophila, human, mice, nonhuman primates)
 R01GM-21681-11 Circulation and fluid volumes in burns (rodents, cats, dogs, primates, human)
 ** N01HG-42971-02 Chimpanzees for hepatitis research
 P01HD-00669-15 0006 Interdisciplinary program of research in aging - Biological turnover and crosslinking of aging collagen (dogs, rats)
 ** P01HD-02274-08 0012 Mental retardation and child development - Behavioral research (monkeys)
 P01HD-02274-08 0019 Mental retardation and child development - Bilirubin metabolism (human, primates, cattle)
 R01HD-02371-08 Hormone control of the mammary gland (human, animals)
 P01HD-02881-07 0003 Developmental and behavioral neuroendocrinology - Psychobiology of lactation (rabbits, squirrel monkeys)
 P01HD-02881-07 0004 Developmental and behavioral neuroendocrinology - Sexual dimorphism and sexual differentiation (squirrel monkeys)
 P01HD-02881-07 0005 Developmental and behavioral neuroendocrinology - Hormones and learning in adults (squirrel monkeys)
 P01HD-03352-07 0005 Wisconsin center on mental retardation - Behavioral effects of brain lesions (monkeys, cats)
 P01HD-03352-07 0006 Wisconsin center on mental retardation - Neurophysiological correlates of behavior in awake animals (monkeys)
 P01HD-03352-07 0008 Wisconsin center on mental retardation - Altered postnatal environment (monkeys)
 R01HD-03968-14 Reproductive physiology in the Rhesus monkey
 P01HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
 P01HD-04335-06 Brain-behavior relationships in mental retardation
 R01HD-04863-05 Social development after malnutrition in infancy (monkeys)
 ** R01HD-05637-03 Reproductive cycles and social behavior of primates (monkeys)
 P01HD-05671-03 0004 Center for population research - Antifertility effect of interuterine devices (human)
 P01HD-05671-03 0006 Center for population research - Contraceptive silastic devices (rats, monkeys)
 P01HD-05671-03 0007 Center for population research - Screening of compounds for antifertility activity (mammals)
 P01HD-05671-03 0008 Center for population research - Depot concepts of administering steroid contraceptives (human)
 P01HD-05671-03 0013 Center for population research - Radioimmunoassay of steroid hormones (rodents, primates)
 R01HD-05867-03 Testis and epididymis - Combined study (monkeys)
 R01HD-06016-03 Language formation studies (apes)
 R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
- R01HD-06069-03 Effects of prostaglandins on myometrial metabolism (rhesus monkeys)
 P01HD-06274-03 0004 Reproductive biology - In vitro fertilization (rabbits, monkeys, human, mice)
 ** R01HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 ** R01HD-06353-03 0002 Inherited metabolic disorders - Detecting and breeding possible carriers of PKU gene in simians
 ** R01HD-06353-03 0003 Inherited metabolic disorders - Arginase deficient monkeys
 R01HD-06367-03 Psychosocial development
 R01HD-07032-01 Malnutrition and behavioral development in monkeys
 R01HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)
 R01HD-07197-02 Steroid dynamics, (human, mammals)
 ** R01HD-07582-02 Epidemiologic studies of sudden unexpected death in primates (Macaca)
 M P01HD-08658-01 Developmental neurobiology in primates
 R01HL-05209-14 Lipid metabolism (baboons, monkeys)
 R01HL-09744-10 Experimental vascular sclerosis (monkeys)
 ** P01HL-10098-10 0015 Primates in cardiovascular research - Vitamin A deficiency
 ** P01HL-10098-10 0020 Primates in cardiovascular research - Vitamin A toxicity
 ** P01HL-10098-10 0021 Primates in cardiovascular research - Central animal care unit
 ** P01HL-10098-10 0022 Primates in cardiovascular research - Perinatal biology
 ** P01HL-10098-10 0023 Primates in cardiovascular research - Lipid metabolism
 ** P01HL-10098-10 0024 Primates in cardiovascular research - Vascular structure and ultrastructure
 ** P01HL-10098-10 0025 Primates in cardiovascular research - Hypertension
 ** P01HL-10098-10 0026 Primates in cardiovascular research - Thrombolytic phenomena
 ** P01HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
 ** P01HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
 ** P01HL-10098-10 0029 Primates in cardiovascular research - Iron deficiency anemia and iron utilization
 ** P01HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology
 ** P01HL-10098-10 0031 Primates in cardiovascular research - Cardiovascular physiology
 ** P01HL-10098-10 0032 Primates in cardiovascular research - Blood substitute and tissue culture
 R01HL-10642-14 Plasma cholesterol metabolism (human, monkeys)
 R01HL-10941-08 Pathogenesis of hepatic veno-occlusive disease (monkeys, rats)
 R01HL-11775-07 Thrombopoiesis (human, primates)
 R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
 R01HL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, monkeys)
 R01HL-15365-02 Treatment of post surgical vasoconstriction (dogs, cats, monkeys)
 R01MH-04453-14 Early experience and behavior (birds, goats, deer, lemur)
 M R01MH-11894-09 Comprehensive behavioral studies
 P01MH-12568-08 0001 Neuropsychopharmacological studies of attention - Animal development - Rats
 ** P01MH-12568-08 0002 Neuropsychopharmacological studies of attention - Animal development - Monkeys
 P01MH-12568-08 0004 Neuropsychopharmacological studies of attention - Experimental petit mal epilepsy (primates)
 P01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
 R01MH-13049-09 Experimental studies of long-term stress (human, monkeys, rats)
 R01MH-15616-06 Language and cognition in infrahuman primates (chimpanzee, children)
 R01MH-15965-04 Infant attachment and maternal loss (monkeys)
 P01MH-16674-06 0038 A program of psychiatry-oriented biological research - Effect of amphetamine on primate social perception
 P01MH-16674-06 0042 A program of psychiatry-oriented biological research - Histamine concentration in CSF of monkeys on phenothiazines
 R01MH-18070-05 Experimental depression induced in infant monkeys
 R01MH-18144-04 The varied response to mother-loss in two species (monkeys)
 M R01MH-19506-03 Hormones, the brain and primate behavior
 R01MH-19506-03 0001 Hormones, the brain and primate behavior - Relationship between sexual initiating behavior and motivational state
 R01MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
 R01MH-19506-03 0003 Hormones, the brain and primate behavior - Redirection of aggression

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- R01MH-19506-03 0004 Hormones, the brain and primate behavior - Relation between sexual invitations and aggression
- R01MH-19506-03 0005 Hormones, the brain and primate behavior - Grooming activity
- R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships
- R01MH-19506-03 0007 Hormones, the brain and primate behavior - Individual partner preferences
- R01MH-19506-03 0008 Hormones, the brain and primate behavior - Male attractant pheromones
- R01MH-19506-03 0009 Hormones, the brain and primate behavior - Male repellent pheromones
- R01MH-19506-03 0010 Hormones, the brain and primate behavior - Chemistry of vaginal secretions
- R01MH-20483-03 Aggressive behavior, dominance rank and testosterone (monkeys)
- R01MH-20785-03 Complex behavioral repertoires (primates, birds)
- R01MH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)
- R01MH-21090-03 Prclinical studies of rubidium in affective illness (dogs, primates)
- R01MH-21312-03 0011 Endocrinological determinants of behavior - Effect of testosterone of infant female (monkeys, guinea pigs)
- ** R01MH-21892-02 Biochemical studies of depression in primate models
- M R01MH-22640-02 Regulation of primate behavior
- ** R01MH-22640-02 0001 Regulation of primate behavior - Development of sexual behavior in the male pigtail macaque
- ** R01MH-22640-02 0002 Regulation of primate behavior - Effect of menstrual cycle on sexual interactions in pigtail and bonnet macaques
- ** R01MH-22640-02 0003 Regulation of primate behavior - Hormones and sexual behavior in bonnet and pigtail macaques
- ** R01MH-22640-02 0004 Regulation of primate behavior - Interspecific mating (bonnet and pigtail macaques)
- R01MH-23008-02 Behavior and ecology of primates (monkeys)
- R01MH-23511-01 Primate communication using a human language (ASL)
- M R01MH-23645-02 Behavior-hormone changes in adolescence
- ** R01MH-23645-02 0001 Behavior-hormone changes in adolescence - Natural environment (chimpanzee)
- ** R01MH-23645-02 0002 Behavior-hormone changes in adolescence - Aggression, submission and reassurance (chimpanzee)
- ** R01MH-23645-02 0003 Behavior-hormone changes in adolescence - Sexual behavior patterns (chimpanzee)
- ** R01MH-23645-02 0004 Behavior-hormone changes in adolescence - Attachment patterns (chimpanzee)
- ** R01MH-23645-02 0005 Behavior-hormone changes in adolescence - Behavioral observational techniques (chimpanzee)
- ** R01MH-23645-02 0006 Behavior-hormone changes in adolescence - Biochemical techniques (chimpanzee)
- R01NS-05096-11 0010 New amino acid disorders in cerebral disease - Animal model for PKU (primates screening)
- R01NS-05096-11 0011 New amino acid disorders in cerebral disease - Arginase deficiency in monkeys
- P01NS-06225-09 0004 Cerebral localization - Neural mechanisms of temperature and studies on the mediodorsal nucleus (animals)
- P01NS-06225-09 0005 Cerebral localization - Single unit studies in the auditory system (cats, primates, birds)
- ** R01NS-06563-08 Evaluation of some central and peripheral vestibular mechanisms (human, monkeys)
- P01NS-06833-08 0005 Interdisciplinary stroke program - Cerebral circulation studies in nuclear medicine (human, monkeys)
- P01NS-08802-05 0008 Cerebrovascular disease research center - Experimental cerebral infarction (cats, monkeys)
- R01NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- R01NS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- P01NS-09649-04 0001 Research in parkinsonism - Anatomy of aminergic systems in brain (monkeys, rats, human)
- R01NS-10464-03 Role of central feedback mechanisms in skilled acts (monkeys)
- N01NS-22306-03 Herpes virus induction of cervical cancer in the Cebus monkey
- ** N01NS-60940-13 Cytomelo and dendritic-architecture of the monkey brain
- P06RR-00294-09 Development and maintenance of germfree animal colonies (mice, rats, marmosets)
- ** N01RS-42143-00 Provision of timed pregnant Macaca mulatta
- N01RS-42177-00 Provision of timed pregnant baboons (Papio Cynocephalus)
- N01RS-42178-00 Provision of baboon (Papio Cynocephalus) timed pregnancies
- N01RS-42181-00 Establishing and maintaining a breeding colony of rhesus monkeys
- MAMMALS, RATS***
- R01AI-07073-08 Developmental and genetic defects of immunity (human, rabbits, rats)
- ** R07AI-10048-14 0004 International center for medical research - Rodent ecology in relation to energy sources (rats)
- N01AM-02219-06 Study hormonal regulation of bone metabolism (rats)
- P01AM-09001-10 0049 Biochemistry and immunology of blood diseases - Membrane systems of rat lung (rats)
- R01AM-09582-11 Pharmacology of intestinal bile salt transport (human, rodents)
- R01AM-10045-08 0006 Urothelial microcontour, function and defenses - Effect of chemicals and hormones (rats)
- R01AM-10273-08 Chorionic gonadotropin (human, sheep, rats)
- R01AM-12855-06 Mechanisms of C4 demethylation in steroid biogenesis (rats)
- R01AM-15579-03 Enhancement in a renal transplant model (rats)
- ** R01AM-16269-01 Intestinal uptake of macromolecules (rats)
- R01AM-16749-02 Acute renal failure basis of sustained renal ischemia (rats)
- P17AM-17026-01 0015 Vanderbilt University Diabetes-Endocrinology Center - Regulatory mechanisms in lipid metabolism (rats)
- R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- ** R01CA-12971-03 Biochemical mechanisms of pyrimidine alkylation (bacteria, rats, goats)
- R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
- ** R26CA-15957-01 Development and study of germfree Buffalo rats
- ** N01CB-31146-27 Immunological characterization studies of rat strains and their neoplasms
- R01DE-03191-03 Nutrition and lipids of bone and teeth (rats, cows, rabbits)
- ** P01ES-00054-10 0014 Environmental impact of chlorinated hydrocarbons - Biological effects of chlorinated hydrocarbons in birds and rodents
- P10ES-00267-07 0006 Center for environmental toxicology - Metabolism of phosphorothionate insecticides (rats)
- R01ES-01055-01 Lead and PCBs-Pharmacologic and toxicologic studies (human, mammals, birds)
- R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
- R01HD-01026-10 0001 Cytology of mammalian differentiation - Uterine-placental relationship (bandicoots, rats, opossums)
- R01HD-05751-04 Brain mechanisms of reproductive behavior (rats, other vertebrates)
- R01HD-06575-02 Metabolic studies in methylmalonic acidemia (human, rats)
- R01HD-08194-01 Prenatal protein malnutrition and brain sterols
- R01HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- R01HL-09610-10 0004 Control of cholesterol metabolism-Bile acid transport - Bile acid transport across colon (rats)
- R01HL-12236-06 Biological synthesis of protein (human, mammals)
- R01HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
- P17HL-14169-04 0009 Pulmonary disease center - Pulmonary immunology and immunopathology (rats, rabbit)
- R01MH-21090-03 Preclinical studies of rubidium in affective illness (dogs, primates)
- R01MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- R01NS-03909-13 Biochemistry and histopathology of cyanide toxicity (rats)
- R01NS-09087-05 Pharmacology of nerve-muscle systems (animals)
- R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- P06RR-00272-09 Germ free facility-LSU school of medicine
- ** P06RR-00427-07 Models for the study of obesity and growth (rats)
- MAMMALS, RODENTS***
- SEE ALSO MAMMALS, MICE*
- SEE ALSO MAMMALS, RATS*
- ** N01CM-02041-10 Maintenance of rodent and genetic production centers
- ** N01CM-02043-06 Maintenance of a rodent breeding and production colony
- ** N01CM-02044-07 Maintenance of a rodent breeding and production colony
- ** N01CM-12007-06 Maintenance of rodents in controlled environments
- ** N01CM-12010-05 Maintenance of nucleus colony of inbred mice
- N01CM-12342-06 Rodent breeding center
- ** N01CM-22013-03 Maintenance of a rodent production center
- ** N01CM-22059-04 Primary genetic-production center
- N01CM-23219-03 Maintenance of a rodent production center
- ** N01CM-33701-01 Genetic center for inbred hybrid and outbred rodents in a germfree environment
- ** N01CM-43711-00 Inbred and hybrid rodents
- ** N01CM-80068-13 Trust colony of various strains of rodents
- ** N01CM-92251-08 Operation of trust stock colony of mice
- N01CP-02199-08 Services in support of carcinogenesis bioassays (rodents)
- P06RR-00518-06 Resource facility for wild rodents
- MAMMALS, RODENTS, CHINCHILLAS***
- R01NS-07287-06 Space-time patterns evolved by acoustic complexes (chinchillas)
- MAMMALS, RODENTS, GUINEA PIGS***
- R01AI-10422-03 Lymphoid cell lines-Mediators of cellular immunity (human, guinea pigs)
- R01AI-10600-03 Human phagocyte function in health and disease (also animal)
- R01AM-08480-11 Cholesterol injury in mammals (rodents, rabbits)
- R01AM-11407-08 Histophysiology of secretion (birds, guinea pigs)
- R01AM-11524-06 Studies on iron absorption (guinea pigs)
- R01CA-14323-02 Neuraminidase and cell-mediated immunity (human, mice)
- ** R01CA-14532-02 Pathophysiology of leukemia in guinea pigs
- N01HD-32717-01 Immunopathologic consequences of vasectomy (human, guinea pigs, rats)
- R01HL-13321-04 Effect of drugs on Purkinje and ventricular fibers (dogs, guinea pigs)
- P17HL-14159-04 0014 Specialized center of research in hypertension - Primary aldosteronism (human, guinea pigs, dogs)
- R01NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
- ** P06RR-00137-10 Resource strains 2 and 13 guinea pigs
- MAMMALS, RODENTS, HAMSTERS***
- R01AI-06661-09 Mycoplasma pneumoniae (hamsters)
- P01CA-10815-06 0010 Consolidated basic cancer research program - Immunization with fetal tissue (hamsters)
- ** R01CA-12365-03 Inbred dwarf hamsters for biomedical research
- R01CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
- ** R26CA-15033-02 Hamster model for human bladder cancer
- R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
- ** N01CP-43289-00 Supply of hamsters treated with respiratory carcinogens
- R01HD-07496-01 Environmental and hormonal control of estrus (hamsters)
- R01HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
- P01HL-11414-07 0023 Thrombosis and atherosclerosis program - Cyclic AMP system controlling myocardial function (hamster)
- R01HL-13322-05 Microscopy of living nephron (hamsters)
- P06RR-00294-09 Development and maintenance of germfree animal colonies (mice, rats, marmosets)
- P06RR-00844-02 New Syrian hamster genetic pool-A resource
- MAMMALS, RODENTS, KANGAROO RATS***
- P01NS-11647-01 0001 Peripheral and central auditory mechanisms - Auditory systems in desert rodents (kangaroo rats, pocket mice)
- MAMMALS, UNGULATES***
- R01AI-10588-03 Epidemiology of echinococcosis (carnivores, ungulates)
- MAMMALS, UNGULATES, CATTLE***
- SEE ALSO ALBUMINS, SERUM ALBUMIN BOVINE
- SEE ALSO GLOBULINS, GAMMA GLOBULINS BOVINE
- R01AM-00110-23 Chemical methods in steroid metabolism (rats, cattle)
- R01AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- P01CA-14193-02 0007 Comparative leukemia studies unit - Bovine leukemia herds for research
- R01HD-00157-13 Variation during child growth (human)
- R01HL-16238-01 Blood coagulation primary structure of prothrombin (bovine)
- N01HV-12060-07 Development of tissue cultured endothelium for vascular prosthetic devices
- ** N01HV-42960-00 Development and evaluation of cardiac prostheses (calves)
- ** P06RR-00182-10 Herd resource for bovine lymphosarcoma research
- P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
- MAMMALS, UNGULATES, DEER***
- R01GM-16726-05 Active center studies of enzymes (kangaroos, turtles, deer, yeast)

(contd)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-04453-14 Early experience and behavior (birds, goats, deer, lemurs)
- MAMMALS, UNGULATES, EQUIDAE***
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
- MAMMALS, UNGULATES, GOATS***
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- R01MH-04453-14 Early experience and behavior (birds, goats, deer, lemurs)
- MAMMALS, UNGULATES, PERISSODACTYLA (GENERAL) --SEE ALSO SPECIFICS***
- ** R01AM-04679-14 Blood flow and absorption in the ruminant stomach (cattle)
- MAMMALS, UNGULATES, SHEEP***
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- R01GM-19783-01 Action and metabolic fate of liver toxins (mice, sheep, plants)
- R01HD-03752-05 0014 Mammalian reproduction - Development of the rete testis in the ram
- R01HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
- ** N01HH-42924-00 Maintenance of a sheep breeding colony
- P01HL-06285-14 0208 Cardiovascular-respiratory physiology and biochemistry - Composition, properties and turnover of pulmonary surfactant (human, animals)
- P17HL-15061-03 0013 Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)
- R01HL-16483-01 Relation of renal endocrine function to hypertension (dogs, sheep)
- MAMMALS, UNGULATES, SWINE***
- P01AA-00212-06 0005 Oklahoma center for alcohol related studies - Metabolism and metabolic factors (swine)
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- R01AM-16767-02 Control of collagen biosynthesis and maturation (human, swine)
- R01GM-21226-14 Oxidations in mitochondria and microsomes (bacteria, mammals, spinach)
- R01HL-04366-16 Plasminogen-Activation and structure-function relations (mammals, birds)
- MAMMALS, UNGULATES, SWINE MINIATURE***
- R01AM-06011-13 0005 Diet control of lipid metabolism - Stereospecificity of swine adipose tissue triglycerides
- R23DE-03806-01 Physiology of feeding in miniature pigs
- ** N01HH-32947-02 Miniature swine colony
- ** N01HV-92050-10 Develop models of advanced aortic atherosclerosis (miniature swine)
- ** R01RR-00390-06 Normal biologic profiles for miniature swine
- MAMMARY ARTERY**
- SEE CARDIOVASCULAR SYSTEM, ARTERIES, MAMMARY ARTERY
- MAMMARY DISORDERS**
- SEE REPRODUCTIVE SYSTEM DISORDERS, MAMMARY DISORDERS
- MAMMARY GLANDS**
- SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
- MAMMARY NODULE INDUCING VIRUS (MICE)**
- SEE VIRUSES, ONCOGENIC, NODULE INDUCING VIRUS (MICE)
- MAMMARY TUMOR VIRUS**
- SEE VIRUSES, ONCORTINA, MAMMARY TUMOR VIRUS
- MAMMARY TUMORS**
- SEE REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS
- MAMMILLARY BODIES**
- SEE BRAIN, HYPOTHALAMUS, MAMMILLARY BODIES
- MAMMOGRAPHY**
- SEE REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS, MAMMOGRAPHY
- MAN-COMPUTER INTERACTION**
- SEE COMPUTER, MAN-COMPUTER INTERACTION
- MAN-MACHINE SYSTEMS**
- SEE HUMAN ENGINEERING, MAN-MACHINE SYSTEMS
- MANDELIC ACID**
- SEE PHENYLACETIC ACIDS, MANDELIC ACID
- MANDIBLE**
- SEE ORAL-PHARYNGEAL, JAW, MANDIBLE
- MANDIBULAR CONDYLE**
- SEE ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE
- MANDIBULAR NERVE**
- SEE NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE
- MANGANESE (COMPOUNDS)**
- SEE METALS, HEAVY METALS, MANGANESE
- MANGANESE POISONING**
- SEE METALS POISONING, MANGANESE POISONING
- MANIC-DEPRESSIVE PSYCHOSIS**
- SEE PSYCHOSIS, MANIC-DEPRESSIVE
- MANIC PHASE**
- SEE PSYCHOSIS, MANIC-DEPRESSIVE, MANIC PHASE
- MANNANS**
- SEE HEXOSANS, MANNANS
- MANNICH BASES**
- SEE AMINES, MANNICH BASES
- MANNITOL**
- SEE SUGAR ALCOHOLS, HEXITOLS, MANNITOL
- MANNOSE**
- SEE HEXOSES, MANNOSE
- MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE**
- SEE NUCLEOTIDYLTRANSFERASES, MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE
- MANNOPHOSPHATE ISOMERASE**
- SEE ISOMERASES, MANNOPHOSPHATE ISOMERASE
- MANPOWER**
- SEE HEALTH SCIENCES PROFESSIONS, HEALTH SCIENCES MANPOWER
- MAPLE SYRUP URINE DISEASE**
- SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, MAPLE SYRUP URINE DISEASE
- MAPPING**
- SEE BRAIN MAPPING
- SEE GENETIC MAPPING
- SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING
- MAPS**
- SEE PUBLICATIONS, ATLASES
- MARASMU**
- SEE NUTRITIONAL ABNORMALITIES, MARASMU
- MARCHIAFAVA-BIGNAMI DISEASE**
- SEE ALCOHOLISM - DRINKING, MARCHIAFAVA-BIGNAMI DISEASE
- MARCHIAFAVA-MICHELII SYNDROME**
- SEE HEMOPROTEINS, HEMOGLOBINURIA, PAROKYSMAL NOCTURNAL
- MAREK'S DISEASE**
- SEE NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE
- MARFAN SYNDROME**
- SEE METABOLIC DISORDERS INBORN, MARFAN SYNDROME
- MARGINAL GROUPS**
- SEE SOCIAL GROUPS, MARGINAL GROUPS
- MARIE BAMBERGER DISEASE**
- SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY
- MARIHUANA**
- SEE ALKALOIDS, CANNABIS
- MARINE BIOLOGY**
- SEE WATER ENVIRONMENT, MARINE BIOLOGY
- MARINE BIRDS**
- SEE BIRDS, MARINE*
- MARINE OILS**
- SEE LIPIDS, OILS, MARINE OILS
- MARINE ORGANISMS**
- SEE WATER ENVIRONMENT, AQUATIC ORGANISMS, MARINE*
- MARPLAN**
- SEE AZO COMPOUNDS, HYDRAZINES, ISOCARBOAZID
- MARRIAGE**
- SEE FAMILY, MARRIAGE
- MARRIAGE COUNSELING**
- SEE FAMILY, MARRIAGE COUNSELING
- MARROW**
- SEE BLOOD AND RE SYSTEM, BONE MARROW
- MARSILID**
- SEE AZO COMPOUNDS, HYDRAZINES, IPROMAZID
- MARSUPIALS**
- SEE MAMMALS, MARSUPIALS*
- MASERS, OPTICAL**
- SEE OPTICS, LASERS*
- MASKING, PERCEPTUAL**
- SEE SENSORY-PERCEPTUAL PROCESSES, PERCEPTUAL MASKING
- MASOCHISM**
- SEE PSYCHOLOGY ABNORMAL, SEX DEVIATION, MASOCHISM
- MASS COMMUNICATION MEDIA**
- SEE INFORMATION DISSEMINATION, MASS MEDIA
- MASS DIAGNOSTIC SCREENING**
- SEE DIAGNOSTIC SERVICES, MASS SCREENING
- MASS FRAGMENTOMETRY**
- SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, MASS FRAGMENTOMETRY*
- MASS MOVEMENTS (SOCIOLOGY)**
- SEE SOCIAL CHANGE, MASS MOVEMENTS
- MASS SPECTROMETRY**
- SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, MASS*
- MAST CELL NEOPLASMS**
- SEE BLOOD AND RE NEOPLASMS, MAST CELL NEOPLASMS
- MAST CELLS**
- SEE BLOOD AND RE SYSTEM, MAST CELLS
- MASTECTOMY**
- SEE REPRODUCTIVE SYSTEM SURGERY, BREAST SURGERY
- MASTICATION**
- SEE DENTISTRY, MASTICATION
- MASTITIS**
- SEE REPRODUCTIVE SYSTEM DISORDERS, MAMMARY DISORDERS
- MASTOCYTOMA**
- SEE BLOOD AND RE NEOPLASMS, MAST CELL NEOPLASMS
- MATERNAL AGE**
- SEE PREGNANCY, MATERNAL AGE
- MATERNAL AND CHILD HEALTH RESEARCH COMMITTEE**
- M P01HD-00781-11 Studies on prematurity
- M P01HD-02080-09 Cell biology of developmental anomalies (human, mammals nonhuman)
- M P01HD-02147-08 Extruterine growth and development
- M P01HD-03298-13 Developmental pathology
- M P01HD-03693-06 Pathogenesis of chronic infections
- M P01HD-06321-02 Genetic aspects of human fetal development
- M P01HD-06915-02 Maternal malnutrition and fetal development
- M P01HD-08658-01 Developmental neurobiology in primates
- ** P01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
- MATERNAL AND INFANT CARE**
- SEE HEALTH CARE SERVICES, MATERNAL AND INFANT CARE
- MATERNAL BEHAVIOR**
- SEE FAMILY, MATERNAL BEHAVIOR
- MATERNAL DEPRIVATION-ABSENCE-LOSS**
- SEE FAMILY, MATERNAL DEPRIVATION-ABSENCE-LOSS
- MATERNAL-FETAL**
- SEE PREGNANCY, PRENATAL STRESS
- SEE PREGNANCY CIRCULATORY DISORDERS, FETOMATERNAL TRANSFUSION
- SEE PREGNANCY IMMUNOLOGY
- MATERNAL INHERITANCE (EXTRACHROMOSOMAL)**
- SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE
- MATERNAL NUTRITION**
- SEE NUTRITION, MATERNAL NUTRITION
- MATERNAL SUBSTITUTE**
- SEE FAMILY, MATERNAL SUBSTITUTE
- MATHEMATICAL MODELS**
- SEE MODELS, MATHEMATICAL
- MATHEMATICS, BIOMATHEMATICS (GENERAL)**
- SEE ALSO COMPUTER*
- SEE ALSO INFORMATION AND COMMUNICATION THEORY
- SEE ALSO MODELS, MATHEMATICAL
- SEE ALSO PSYCHOLOGY, GAME THEORY
- R01AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
- R01AM-08901-09 0004 Small intestinal slow wave - Fluid mechanics of human duodenum
- ** R01AM-09765-09 0004 Regulatory processes in biological systems - Theoretical studies
- R01AM-13743-05 Motion and proximity relations in polypeptides
- ** R01AM-14042-06 Conformational analysis in the steroids (cont'd)

*Excludes routine methodology OR covers only general projects which preclude including of the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01AM-16663-03 Electrophysiology of skin and kidney tubules (frog rabbits)

P01AM-16716-01 0013 Pathophysiological bases of muscle diseases - Characteristics of the myoelectric signal (human, animals)

R01AM-17009-01 Permeability measurements for hollow fiber membranes

** R01AM-17593-01 Numerical solution of renal transport equations

** P02CA-08023-10 0001 Cancer clinical research center - New method of survival curve analysis

** P02CA-08023-10 0008 Cancer clinical research center - Staging methods for cancer therapy

** P01CA-08748-09 5508 Research program of Sloan-Kettering Institute - Dynamic metabolic studies with radiolabels

R01CA-11110-14 Correlation of biological activity and structure

R01CA-11430-09 0038 Biomathematics and computing in a cancer institute - Methods of measuring a genetic distance among several populations

** R01CA-11430-09 0039 Biomathematics and computing in a cancer institute - Stability and enzyme separation

** R01CA-11430-09 0041 Biomathematics and computing in a cancer institute - Non-parametric multivariate classification procedures

** R01CA-11430-09 0042 Biomathematics and computing in a cancer institute - Simple method for comparing two survival distributions

R01CA-11430-09 0045 Biomathematics and computing in a cancer institute - Serum copper in normal children and with Hodgkin's disease

R01CA-11761-05 Hydrodynamics of circular DNA forms (viruses)

** P01CA-15704-01 0032 Cancer center support grant - Biostatistics-epidemiology

P01CA-15820-01 0003 Comparative Oncology Research Program - Statistical analysis

** R18CA-16404-01 0004 Cancer control development grant - Biostatistics-epidemiology cancer surveillance system

** P01DE-02872-05 0019 Craniofacial anomalies - Biomathematics (human)

P01DE-03610-08 0004 Cranio-facial growth and development - Biomathematical approaches to cranio-facial growth (human, monkeys)

** P10ES-00260-12 0004 Research in the environmental health sciences - Biomathematics (human)

** P10ES-00260-12 0024 Research in the environmental health sciences - Dose-response and kinetics of tumor formation (mice)

** R01EY-00896-03 Mathematical analysis of the optic nerve head (human)

R01GM-10851-17 Biomedical separations-A basic approach

R01GM-11632-11 Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs)

P01GM-12527-10 0006 Anesthetic and related drugs - Biostatistics (human)

R01GM-12862-10 Effects of structure on biological mechanisms

** R01GM-13827-08 Research in mathematical and statistical genetics

P01GM-14892-07 0001 The traumatized patient - Shock (human)

** P01GM-15422-07 0015 Program project in genetics - Theoretical population genetics (human)

R01GM-18456-04 Biophysical studies of nucleohistones (cattle)

** R01GM-18871-07 Physical chemistry of proteins in salt solutions (human,cattle)

R01GM-19032-01 Molecular orbital studies of hydrogen bonding

R01GM-19060-03 Sequence-dependence of polynucleotide configuration

R01GM-19357-03 Spectroscopic studies of metalloenzymes

** P01GM-19428-03 0013 Computer aided biomedical pattern recognition - Three dimensional reconstruction in radiology (human)

R01GM-19452-01 Electron crystallography of biological structures

P01GM-19489-03 0004 Study of human genetics - Estimating the background contribution to Mendelian metrical traits

P01GM-19489-03 0031 Study of human genetics - Quantitation of clinical evidence

R01GM-20293-02 Population dynamics of mutant genes (human)

** R01GM-20507-01 Topics in sequential medical trials

** R01GM-20861-01 Nucleic acid conformation and properties

** R01GM-21215-01 Adaptation of new statistical ideas for medicine

** R01GM-21269-01 Mathematical theory of pharmacokinetics

** P01HD-04510-06 0013 Center for research in human development - Educational research-Basic

** P01HL-07293-13 0005 Cardiovascular instrumentation research and development - Mathematics of Doppler and flow velocity spectra

P01HL-09495-13 Cardiovascular computer project

R01HL-12974-05 Tracer kinetics, flows and masses in body organs (human, dogs)

R01HL-13612-04 0009 Human arteriosclerosis - Cholesterol metabolism-Tissue cholesterol accumulation (rabbits)

** P17HL-14177-04 0015 Center for prevention and treatment of atherosclerosis - Developments in mathematical theory

P01HL-14414-03 0011 Cardiorespiratory performance and environmental factors - Gas balance of tissues (rats, cats)

R01HL-02281-01 Critical review of neuron biophysics

** P01MH-12568-08 0013 Neuropsychopharmacological studies of attention - Analysis of evoked response data

R01MH-18967-04 Quantum calculations for psychopharmacology

** R01MH-22743-02 Structural properties of social phenomena

R01MH-40064-00 Statistical services

R01NS-09418-03 Anatomic and physiologic correlation in the neopril (crayfish)

** P07RR-00003-13 0001 Medical data processing research - Winsorized procedures

** P07RR-00003-13 0002 Medical data processing research - Stepwise winsorized regression

** P07RR-00003-13 0003 Medical data processing research - Least first power regression

** P07RR-00003-13 0004 Medical data processing research - Probability statements for stepwise regression

** P07RR-00003-13 0005 Medical data processing research - Small sample behavior of tests of equality of means

** P07RR-00003-13 0006 Medical data processing research - Clustering

** P07RR-00003-13 0007 Medical data processing research - Nonlinear factor analysis

** P07RR-00003-13 0008 Medical data processing research - Estimating confidence for x when y0(x) is nonlinear

** P07RR-00003-13 0009 Medical data processing research - Power of single-sample Winsorized, trimmed and student's T

** P07RR-00003-13 0010 Medical data processing research - Transformation of uniform deviates into normal deviates

** P07RR-00003-13 0011 Medical data processing research - Identification of the sources of significance in two-way tables

** P07RR-00003-13 0012 Medical data processing research - Selection of models for multidimensional contingency tables

** P07RR-00003-13 0013 Medical data processing research - Stability of rotated factor loading estimates

** P07RR-00003-13 0014 Medical data processing research - Distribution of the T statistic when the parent is student's T

** P07RR-00003-13 0015 Medical data processing research - Estimating the size of a two-dimensional cluster

** P07RR-00003-13 0016 Medical data processing research - Linear utilities from preference pairs

** P07RR-00003-13 0017 Medical data processing research - Multivariate stepwise regression

** P07RR-00003-13 0018 Medical data processing research - Mixtures of regressions

** P07RR-00003-13 0019 Medical data processing research - Nonparametric estimation of multivariate probability densities

** P07RR-00003-13 0020 Medical data processing research - Robustness of nonparametric tests

** P07RR-00003-13 0021 Medical data processing research - Nonparametric tests of variability

** P07RR-00003-13 0022 Medical data processing research - Two-sample trimmed T

** P07RR-00003-13 0023 Medical data processing research - Contaminated distributions

** P07RR-00003-13 0024 Medical data processing research - Approximation of contaminated gaussian distributions by student's T-distribution

** P07RR-00003-13 0025 Medical data processing research - Nonparametric tests of variability

** P07RR-00003-13 0027 Medical data processing research - Typical values

** P07RR-00003-13 0028 Medical data processing research - The PTH root-g-gram

** P07RR-00003-13 0029 Medical data processing research - Enzyme kinetics

** P07RR-00003-13 0030 Medical data processing research - Epidemiological model

** P07RR-00003-13 0031 Medical data processing research - Relationship of anatomy and function in CNS

** P07RR-00003-13 0032 Medical data processing research - Evoked potentials in artificial neural nets

** P07RR-00003-13 0033 Medical data processing research - Electromagnetic fields generated from neuronal activity

** P07RR-00003-13 0034 Medical data processing research - Gene maps and linkage

** P07RR-00003-13 0035 Medical data processing research - Cancer therapy model

** P07RR-00003-13 0036 Medical data processing research - Cancer states

** P07RR-00003-13 0037 Medical data processing research - Migration process

** P07RR-00003-13 0038 Medical data processing research - Kinetics of target cell destruction

** P07RR-00003-13 0039 Medical data processing research - Statistical discrimination based on a mathematical model of EEG

** P07RR-00003-13 0040 Medical data processing research - Parkinsonian behavior in artificial neural nets

** P07RR-00003-13 0041 Medical data processing research - EEG model from randomly connected neural nets

** P07RR-00003-13 0042 Medical data processing research - Models of mortality

** P07RR-00003-13 0043 Medical data processing research - Linked genes

** P07RR-00003-13 0044 Medical data processing research - Growth by binary fission

** P07RR-00003-13 0045 Medical data processing research - Task analysis in dentistry

** P07RR-00003-13 0046 Medical data processing research - Generalized ITO analysis

** P07RR-00003-13 0047 Medical data processing research - Implantation therapy

** P07RR-00003-13 0048 Medical data processing research - EKG monitoring

** P07RR-00003-13 0049 Medical data processing research - Computer supports for prenatal care

** P07RR-00003-13 0050 Medical data processing research - Serotyping for homotransplantation

** P07RR-00003-13 0051 Medical data processing research - Progress of schizophrenic patients

** P07RR-00003-13 0052 Medical data processing research - Tumorigenesis and endocrine environment (rats)

** P07RR-00003-13 0053 Medical data processing research - Multiple column chromatography of tissues

** P07RR-00003-13 0054 Medical data processing research - Behavior state and long term EEG analysis

** P07RR-00003-13 0055 Medical data processing research - Human transplantation antigens

** P07RR-00003-13 0056 Medical data processing research - Autistic behavior

** P07RR-00003-13 0058 Medical data processing research - Remote graphics treatment planning

** P07RR-00003-13 0059 Medical data processing research - Metabolism of gold

** P07RR-00003-13 0060 Medical data processing research - Children with deviant early development experiences

** P07RR-00003-13 0061 Medical data processing research - Sudden infant death

** P07RR-00003-13 0063 Medical data processing research - Relation of test dose to therapy response in schizophrenia

** P07RR-00003-13 0064 Medical data processing research - Random chromosome analysis

** P07RR-00003-13 0067 Medical data processing research - BMD programs

** P07RR-00003-13 0068 Medical data processing research - Distribution of statistical systems

** P07RR-00003-13 0069 Medical data processing research - Stepwise discriminant analysis

** P07RR-00003-13 0070 Medical data processing research - Identification of numerically ill-conditioned problems

** P07RR-00003-13 0075 Medical data processing research - Graphic nonlinear discriminant analysis

** P07RR-00003-13 0076 Medical data processing research - Process analysis

** P07RR-00003-13 0077 Medical data processing research - Computation of cross products

** P07RR-00003-13 0078 Medical data processing research - Clustering a data matrix

** P07RR-00003-13 0079 Medical data processing research - Interspike interval analysis

** P07RR-00003-13 0080 Medical data processing research - Tree search

** P07RR-00003-13 0082 Medical data processing research - Segregation analysis

** P07RR-00003-13 0083 Medical data processing research - Least first power principal components

** P07RR-00003-13 0084 Medical data processing research - General linear hypothesis

** P07RR-00003-13 0085 Medical data processing research - Factor analysis

** P07RR-00003-13 0086 Medical data processing research - Computer generation of pseudo-random gamma variables

** P07RR-00003-13 0087 Medical data processing research - Modification, optimization and maintenance of the basic tortois system

** P07RR-00003-13 0088 Medical data processing research - Accounting programs

** P07RR-00003-13 0089 Medical data processing research - System performance monitoring

** P07RR-00003-13 0080 Medical data processing research - Data management

** P07RR-00003-13 0091 Medical data processing research - Graphics support

** P07RR-00003-13 0098 Medical data processing research - Statistical programming

P07RR-00003-13 0103 Medical data processing research - Side inch

** P07RR-00003-13 0104 Medical data processing research - Teaching film for elementary sampling

P07RR-00003-13 0105 Medical data processing research - Conference on the teaching of statistics

P07RR-00003-13 0106 Medical data processing research - Training in medical computing

** P07RR-00003-13 0107 Medical data processing research - Teaching model in health-care delivery

** P07RR-00015-12 0062 Medical school computer facility - Class project computations in medical science training (contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P07RR-00015-12 0073 Medical school computer facility - Development and importation of statistical programs
- P07RR-00015-12 0080 Medical school computer facility - Interactive non-linear curve-fitting
- P07RR-00015-12 0081 Medical school computer facility - Optimal strategy of kinetic experiments
- P07RR-00015-12 0092 Medical school computer facility - Effect of atropine on heart rate
- M P07RR-00259-08 Computational research center program
- ** P07RR-00259-08 0085 Computational research center program - Consultation service in biomathematics and statistics
- ** P07RR-00259-08 0086 Computational research center program - Training in biomathematics and statistics
- ** P07RR-00267-09 0091 Biomedical data processing unit - Computer detection of aortic pressure signals
- ** P07RR-00291-09 Biomathematical computer research center
- ** P07RR-00643-03 0011 Biotechnology resource-Computers in biomedicine - Interactive computer-aided mathematics
- P07RR-00757-02 0039 Implementation of laboratory automation system - Short term air quality forecasting using time series analysis
- P07RR-00757-02 0040 Implementation of laboratory automation system - Long term air quality forecast
- P07RR-00785-01 S U medical experimental computing facility

MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

- SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
 SEE ALSO POPULATION STUDIES ANIMAL
 SEE ALSO POPULATION STUDIES HUMAN
 SEE ALSO PSYCHOLOGY, GAME THEORY
 SEE ALSO PSYCHOMETRICS
 SEE ALSO SOCIOLOGY
- R18AA-01797-01 Alaska state alcoholism program
 - N01AA-40034-00 The drinking habits of teenagers in New York and Rome
 - N01AI-22531-02 Evaluation of histocompatibility matching
 - N01AI-22539-03 Histocompatibility-matching in renal transplantation
 - R22AM-09580-09 0004 Infantile diarrhea and malnutrition (Peru, Baltimore) - Late effects of malnutrition (human)
 - ** R10CA-03754-17 Southwest cancer chemotherapy study group-Data management
 - P02CA-05834-13 0036 Cancer clinical research center - Patient data-collection and analysis
 - P02CA-06551-11 0007 Cancer clinical research - Factors affecting survival in breast cancer patients
 - ** P02CA-08023-10 0005 Cancer clinical research center - Automation of statistics
 - P01CA-08748-09 5509 Research program of Sloan-Kettering Institute - Evaluation of grain count data from autoradiographs
 - ** R10CA-10378-08 Gynecologic oncology group statistical service
 - R10CA-10456-07 Acute leukemia group B operations office
 - R10CA-10810-07 Statistical models of biomedical phenomena
 - ** R10CA-11263-06 Southeastern group statistical services
 - R10CA-11488-05 Eortic coordinating agency and data center
 - ** P01CA-11531-05 Core program in biometrics of cancer epidemiology
 - ** P01CA-11535-05 Social epidemiology in prevention of cancer (human)
 - ** R10CA-12014-05 Southwest Cancer Chemotherapy Study Group-Statistical
 - R10CA-12248-03 Radiation therapy oncology group
 - ** R10CA-12721-03 Cancer clinical investigation coordinating center A
 - R01CA-12843-03 Chromosome analyses in the diagnosis of proleukemia (human)
 - R10CA-13457-02 Radiation therapy oncology group
 - ** P02CA-13696-02 0072 Clinical cancer research center - Data processing and statistical services
 - R10CA-14060-02 Radiation therapy oncology group
 - ** P01CA-14089-01 0001 Pilot multidisciplinary cancer research program - Biometry, statistics and computing unit
 - R01CA-14235-02 Neoplasia-predisposing genes in man
 - ** P01CA-14395-02 0002 Cancer research center of Greater Miami - Biostatistical and computer consultation
 - P02CA-14520-02 0024 Wisconsin Clinical Cancer Center - Biometrics and information sciences-cancer review
 - ** P02CA-15083-01 0001 Cancer Center Support Grant-Mayo Foundation - Statistical center
 - ** R26CA-15497-01 Statistical Center for National Bladder Cancer Project
 - ** R18CA-16404-01 0004 Cancer control development grant - Biostatistics-epidemiology cancer surveillance system
 - ** R18CA-16405-01 0006 Development of regional cancer control program - Medical statistics unit support for regional program
 - N01CB-60968-14 Automated methods for steroid hormone metabolites
 - N01CM-33703-01 Structural properties of cancer therapeutic agents
 - ** N01CM-33715-03 Statistical and administrative (operations office) support

- N01CP-23245-02 Optimizing electrophoretic separation of proteins with new hydrogels (human)
- N01CP-33325-01 Conducting cancer mortality studies
- N01CP-43202-00 Atomic bomb casualty commission study
- ** N01CP-43204-00 Abstracting and coding of data on cancer cases
- ** N01CP-43205-00 Abstract and code statistical data on cancer cases
- ** N01CP-43210-00 Continuation of cancer and results project
- N01CP-43247-00 Shifts in cancer risks among Norwegian migrants
- ** N01CP-43258-00 Cancer and results project
- ** N01CP-43259-00 Furnish statistical data on cancer cases
- ** R03DA-00678-01 Dimensions of drug use on a midwest campus
- ** R01DA-00653-01 Legal and extralegal factors in drug law enforcement
- N01DA-20132-02 Evaluation of MMH drug abuse community assistance program
- ** N01DA-30244-00 Data reference module
- P01DE-01697-12 0014 Interdisciplinary studies in cleft palate - Attitudes of children, adolescents, young adults and their parents
- R01DE-02646-07 Population studies of oral diseases in Hawaii (human)
- ** P13DE-02731-08 0008 Development support for dental research institute - Dental biometrics (human)
- ** P01DE-02872-05 0024 Craniofacial anomalies - Biostatistics (children)
- ** P01DE-02873-06 Facial and dental growth in pre and post adolescents
- R01DE-03485-03 Cerebral responses to tooth pulp stimulation in man
- R01GM-10525-11 Statistical studies of problems of health and biology
- P01GM-11546-11 Quantitative genetics research (Drosophila, maize, spiders, bacteria)
- R01GM-11803-09 Twinning among twins and their relatives
- ** P01GM-12527-10 0006 Anesthetic and related drugs - Biostatistics (human)
- ** R01GM-13482-07 Medical-anthropological studies in Solomon Islands
- ** P01GM-15422-07 0015 Program project in genetics - Theoretical population genetics (human)
- ** R01GM-16895-06 Sequential testing, ranking, and selection procedures
- ** R01GM-18770-03 Probability estimation
- R01GM-20467-02 Gene diffusion, natural selection and drift in man
- R01GM-20507-01 Topics in sequential medical trials
- R01GM-20903-01 Genetic unit of selection (Drosophila)
- R01GM-21135-01 Stochastic processes in genetic populations (human)
- R01HD-00434-13 A longitudinal study of skeletal growth of premature (human)
- P01HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
- P01HD-02528-08 0088 Research center in mental retardation - Experimental analysis of memory deficits of retarded and deaf children
- P01HD-03015-08 0014 Program for developmental biology - Growth regulation in individual nerve cells (chick embryo)
- P01HD-03110-07 0035 Child development and mental retardation - Mapping genes influencing behavioral and mental traits in man
- R01HD-03972-16 ABO erythroblastosis (human)
- R01HD-05079-04 Clinical and chromosomal variation in 11,000 children
- R01HD-05585-03 Studies in population change (USSR)
- P01HD-05671-03 0014 Center for population research - Evaluation of contraceptives and epidemiological aspects of abortion (human)
- M P01HD-05876-03 Center for population research
- ** P01HD-05876-03 0032 Center for population research - Demographic methodology and formal models
- R01HD-06003-03 Genetic aspects of family planning
- R01HD-06040-01 Modern control theory applied to population control
- P01HD-06224-02 Center for the study of aging and human development
- R01HD-06554-01 Growth of the human fetus-Longitudinal study
- P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- M P01HD-07256-03 Child health and development studies
- ** P01HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (home care)
- ** P01HD-07256-03 0002 Child health and development studies - Analysis of sequential pregnancies (human)
- ** P01HD-07256-03 0003 Child health and development studies - Cesarean section and respiratory problems of the infant (human)
- ** P01HD-07256-03 0006 Child health and development studies - Usage of medical care (human)
- ** P01HD-07256-03 0007 Child health and development studies - Growth (human)
- ** P01HD-07256-03 0008 Child health and development studies - Congenital anomalies (human)

- ** P01HD-07256-03 0009 Child health and development studies - Developmental data on 5-year-old and 9-11-year old children
- R01HD-07552-02 Economic study of fertility decline in postwar Japan
- P01HD-07578-01 0001 Growth and nutrition of normal infants - Normative data (human)
- R01HD-07629-02 Population-policy linkages in cities and suburbs
- R01HD-07993-01 Fertility and labor force patterns in U S women
- ** N01HD-12212-02 Women labor force participation and fertility
- ** N01HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
- ** N01HD-32722-01 Evaluating the demographic impact of organized family planning programs
- N01HD-32731-04 Effects of steroid contraception on cervical dysplasia (human)
- R01HL-03429-15 Central nervous system and coronary heart disease (human)
- R01HL-04697-15 International heart disease epidemiology (human)
- P01HL-06336-14 0039 Cardiovascular program project - A simple method for calculating Vmax
- ** R01HL-08481-11 Data pooling project-Coronary disease and risk factors (human)
- P01HL-08974-10 0002 Natural and experimental atherosclerosis - Geographical pathology of cerebral atherosclerosis (human)
- ** P01HL-08974-10 0014 Natural and experimental atherosclerosis - Measurement error in visual evaluation of lesions
- ** P01HL-08974-10 0015 Natural and experimental atherosclerosis - Collaboration with Puerto Rico heart projects
- P01HL-08974-10 0017 Natural and experimental atherosclerosis - Calcified atherosclerotic lesions in coronary heart disease (human)
- P01HL-09614-09 0011 Research program - Cardiovascular and related disease - Habitual physical activity, work capacity and exercise physiology (human)
- ** P01HL-09614-09 0012 Research program - Cardiovascular and related disease - Data analysis
- R01HL-11325-07 Spatial electrocardiographic vector (human)
- R01HL-13329-04 Stress and heredity factors related to blood pressure (human)
- ** P17HL-14138-04 0014 Center for research on atherosclerosis - Biostatistics (human, swine, pigeons, rabbits)
- P17HL-14230-04 0050 Lipids, atherosclerosis and thrombosis - Correlation of transverse intimal area and dietary cholesterol (monkeys)
- R01HL-15191-03 Multiparameter methods for cardiovascular research
- ** P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
- R01HL-16662-01 Quarter century follow-up of the Oxford study
- N01HR-42917-01 Extracorporeal support for respiratory insufficiency (human)
- ** P01HS-00110-11 0011 Medical care and patient care research program (human) - Research design in evaluation of medical care programs
- R01HS-00422-05 Ecology of migrant peoples-Mississippi
- P16HS-00429-04 0001 Health services research and development center - Data information system
- P16HS-00471-06 0023 Health services research center - Analysis of national health insurance plans
- P16HS-00472-06 0001 Health services research center - Health, incorporated record system
- P16HS-00472-06 0007 Health services research center - Basic record systems of health manpower training
- P16HS-00472-06 0009 Health services research center - Producing uniform data for health care plans
- ** P16HS-00472-06 0015 Health services research center - Health center record system
- ** P16HS-00472-06 0018 Health services research center - Statistics in national health planning
- P16HS-00472-06 0037 Health services research center - Health center marketing survey
- R01HS-00541-03 Interorganizational networks of urban health services
- R01HS-00714-03 Regional allocation of high cost health services
- R21HS-01036-02 Perinatal mortality and health services productivity
- R18HS-01114-01 Cost data reporting system for nursing home care
- R18HS-01115-01 Cost data reporting system for nursing home care
- R18HS-01197-02 Vermont model health statistics system
- R01HS-01329-01 Economic determinants of ambulatory care use
- ** R01HS-01381-01 Biometric methods for health research data
- R01HS-01408-01 Medicine use (human)
- R21HS-01447-01 Socio-political impact of sickle cell disease
- R01HS-01472-01 Computer aids to therapy in critical care (cont'd)

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R21HS-01565-02 The informative process in medical care (human)
 R01HS-01582-01 Economic analysis Washington state nursing home data
 R01HS-01623-01 Family investment in child health
 R21HS-01630-01 Multivariate analysis of health behavior
 R18HS-01640-01 Utilizing peer review data to meet multi-user needs
 N01HY-32973-05 Coordinating center for collaborative studies on coronary artery surgery
 N01LM-34734-01 Evaluation of ATS-F health experiments
 R01MH-05286-12 0013 Psychophysiology of perception - Polygraphic and behavioral study of sleep (pigeons)
 P01MH-08667-10 0001 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology - Population movement (human)
 P01MH-08667-10 0002 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology - Western interstate commission (human)
 P01MH-08667-10 0009 A longitudinal epidemiology of impaired competence - Structure of the intellect
 P01MH-08667-10 0012 A longitudinal epidemiology of impaired competence - Factor structure of the WISC and WAS for retardates
 P01MH-08667-10 0019 A longitudinal epidemiology of impaired competence - Application of biostatistical methodology to personnel classification - turnover
 P01MH-10006-10 0005 Research center for quantitative psychology - Behavioral statistics
 R01MH-14734-13 An evaluation of differential treatment for delinquents
 R01MH-16928-06 Concurrent choices and concurrent interresponse times (pigeons, human)
 R01MH-17473-04 Criteria for evaluation of mental health services
 R12MH-19503-02 Output value analysis of a comprehensive mental health center
 P01MH-19966-03 0002 Psychiatric epidemiology research unit and two field studies - Statistics and data processing
 P01MH-19966-03 0007 Psychiatric epidemiology research unit and two field studies - Chronic hospitalization
 P01MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome - Recovery determinants
 P01MH-19966-03 0011 Psychiatric epidemiology research unit and two field studies - Lundby prevalence and incidence analysis (human)
 R01MH-20954-03 Impact of continuing evaluation of an urban CCNHC
 R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
 R01MH-23604-02 Self survey of the black community of Topeka, Kansas
 R01MH-23615-02 Earned family income and urban crisis
 P01MH-23878-06 0024 Cognitive processes and mathematical psychology - Learning to estimate average values
 R03MH-24725-01 A model relating attitudes and behavior
 R01MH-24909-01 Trade-off preferences in residential environments
 P03MH-24996-01 Estimating the relationship between abstract variables
 R03MH-25130-01 Analysis of data on educational change (human)
 R01MH-25215-01 Patterns of competence in pre-school girls
 R01MH-25271-01 Secondary analysis of sex roles data (human)
 R03MH-25406-01 Urban social psychology-A network approach
 P03MH-25680-01 Reduced rank decompositions of random variables
 R01MH-25860-01 1875-1915 Social predictors of American mobility
 R03MH-25881-01 Comparative analysis of rates of violent crimes
 R01MH-25996-01 Unseen community-Marginal urban population
 N01MH-30183-00 Study of mental health manpower development and utilization system in Maine
 P01MH-40004-00 Services for statistical analysis
 P01MH-40075-00 Psychiatric care under prepaid health insurance
 P01MH-40078-00 Economics of long-term mental illness
 P01NS-03364-12 0001 Neurological research center in cerebrovascular disease - Natural history of cerebral vascular disease (human)
 P01NS-06208-09 0019 Epilepsy research program - Precipitating and inhibiting factors in epilepsy (human)
 P01NS-06209-09 0001 Boston University aphasia research center - Psychological research (human, monkeys)
 P01NS-06459-09 0057 Communication sciences - Research on automatic speech recognition (human)
 P01NS-07464-07 0015 Laboratory of neurobiology - Miniature end-plate potentials mepps (frogs)
 R01NS-08208-09 Laterality of sensory and motor functions (children and adults)
 R01NS-09628-03 New approaches to speech instruction of deaf children
 R01NS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)

R01NS-10448-03 Meniere's disease-Surgery for conservation of hearing (human)
 R01NS-10492-03 Computer analysis of neuron structure and function (frogs)
 R01NS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)
 N01NS-42326-00 Analysis of speech language and hearing deficits (human)
 N01NS-42327-00 Systems analysis and programming for perinatal data
 N01NS-42328-00 Prediction of outcome of patients with coma
 N01NS-42335-01 Incidence, prevalence and costs of multiple sclerosis (human)
 N01NS-42336-00 Incidence, prevalence and costs of intracranial neoplasms
 R02NIJ-00434-02 Upper extremity positioning of stroke patients
 R01OH-00362-09 Death rates among Italian railroad employees
 P07RR-00003-13 0001 Medical data processing research - Winsorized procedures
 P07RR-00003-13 0002 Medical data processing research - Stepwise winsorized regression
 P07RR-00003-13 0003 Medical data processing research - Least first power regression
 P07RR-00003-13 0004 Medical data processing research - Probability statements for stepwise regression
 P07RR-00003-13 0005 Medical data processing research - Small sample behavior of tests of equality of means
 P07RR-00003-13 0006 Medical data processing research - Clustering
 P07RR-00003-13 0007 Medical data processing research - Nonlinear factor analysis
 P07RR-00003-13 0008 Medical data processing research - Estimating confidence for x when y0(x) is nonlinear
 P07RR-00003-13 0009 Medical data processing research - Power of single-sample Winsorized, trimmed and student's T
 P07RR-00003-13 0010 Medical data processing research - Transformation of uniform deviates into normal deviates
 P07RR-00003-13 0011 Medical data processing research - Identification of the sources of significance in two-way tables
 P07RR-00003-13 0012 Medical data processing research - Selection of models for multidimensional contingency tables
 P07RR-00003-13 0013 Medical data processing research - Stability of rotated factor loading estimates
 P07RR-00003-13 0014 Medical data processing research - Distribution of the T statistic when the parent is student's T
 P07RR-00003-13 0015 Medical data processing research - Estimating the size of a two-dimensional cluster
 P07RR-00003-13 0016 Medical data processing research - Linear utilities from preference pairs
 P07RR-00003-13 0017 Medical data processing research - Multivariate stepwise regression
 P07RR-00003-13 0018 Medical data processing research - Mixtures of regressions
 P07RR-00003-13 0019 Medical data processing research - Nonparametric estimation of multivariate probability densities
 P07RR-00003-13 0020 Medical data processing research - Robustness of nonparametric tests
 P07RR-00003-13 0021 Medical data processing research - Nonparametric tests of variability
 P07RR-00003-13 0022 Medical data processing research - Two-sample trimmed T
 P07RR-00003-13 0023 Medical data processing research - Contaminated distributions
 P07RR-00003-13 0024 Medical data processing research - Approximation of contaminated gaussian distributions by student's T-distribution
 P07RR-00003-13 0025 Medical data processing research - Nonparametric tests of variability
 P07RR-00003-13 0026 Medical data processing research - Research conference on statistical computing
 P07RR-00003-13 0027 Medical data processing research - Typical values
 P07RR-00003-13 0028 Medical data processing research - The PTH root-e-gram
 P07RR-00003-13 0051 Medical data processing research - Prognosis of schizophrenic patients
 P07RR-00003-13 0052 Medical data processing research - Tumorigenesis and endocrine environment (rats)
 P07RR-00003-13 0053 Medical data processing research - Multiple column chromatography of tissues
 P07RR-00003-13 0054 Medical data processing research - Behavior state and long term EEG analysis
 P07RR-00003-13 0055 Medical data processing research - Human transplantation antigens
 P07RR-00003-13 0060 Medical data processing research - Children with deviant early development experiences
 P07RR-00003-13 0061 Medical data processing research - Sudden infant death
 P07RR-00003-13 0062 Medical data processing research - Radiolotope quantification of cardiac shunts (human)
 P07RR-00003-13 0067 Medical data processing research - BMD programs

P07RR-00003-13 0058 Medical data processing research - Distribution of statistical systems
 P07RR-00003-13 0070 Medical data processing research - Identification of numerically ill-conditioned problems
 P07RR-00003-13 0071 Medical data processing research - Data retrieval
 P07RR-00003-13 0072 Medical data processing research - Conversational computer statistical program
 P07RR-00003-13 0073 Medical data processing research - Basic plotting package
 P07RR-00003-13 0075 Medical data processing research - Graphic nonlinear discriminant analysis
 P07RR-00003-13 0076 Medical data processing research - Process analysis
 P07RR-00003-13 0078 Medical data processing research - Clustering a data matrix
 P07RR-00003-13 0079 Medical data processing research - Interspike interval analysis
 P07RR-00003-13 0080 Medical data processing research - Tree search
 P07RR-00003-13 0061 Medical data processing research - Faces and profiles
 P07RR-00003-13 0083 Medical data processing research - Least first power principal components
 P07RR-00003-13 0084 Medical data processing research - General linear hypothesis
 P07RR-00003-13 0085 Medical data processing research - Factor analysis
 P07RR-00003-13 0086 Medical data processing research - Computer generation of pseudo-random gamma variables
 P07RR-00003-13 0087 Medical data processing research - Modification, optimization and maintenance of the basic tortis system
 P07RR-00003-13 0008 Medical data processing research - Accounting programs
 P07RR-00003-13 0089 Medical data processing research - System performance monitoring
 P07RR-00003-13 0090 Medical data processing research - Data management
 P07RR-00003-13 0098 Medical data processing research - Statistical programming
 P07RR-00003-13 0101 Medical data processing research - Computer-aided instruction in statistics
 P07RR-00003-13 0103 Medical data processing research - Side inch
 P07RR-00003-13 0107 Medical data processing research - Teaching model in health-care delivery
 P07RR-00007-11 0278 Computer processing in biomedical systems - Statcon-statistical control program
 P07RR-00007-11 0318 Computer processing in biomedical systems - Analytical procedures of data
 P07RR-00259-08 0085 Computational research center program - Consultation service in biomathematics and statistics
 P07RR-00259-08 0086 Computational research center program - Training in biomathematics and statistics
 P07RR-00259-08 0092 Computational research center program - Statistical research (human)
 P07RR-00267-09 0092 Biomedical data processing unit - Multivariate classification algorithms
 P07RR-00267-09 0095 Biomedical data processing unit - MISER-A system for automated diagnosis
 P07RR-00267-09 0127 Biomedical data processing unit - Biometry consulting seminar
 P07RR-00267-09 0129 Biomedical data processing unit - Biomedical computing
 N01RR-40044-16 0011 - MEDICAL FOLLOW-UP STUDIES

MATULANE

SEE AZO COMPOUNDS, HYDRAZINES, PROCARBAZINE

MAUTNER'S NEURONS

SEE NERVOUS SYSTEM, NEURONS, MAUTNER'S NEURONS

MAYAN INDIANS

SEE SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS, MAYAN

MCARDLE'S DISEASE

SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE V

ME VIRUS

SEE VIRUSES, PICORNAVIRUSES, EMC GROUP, ME VIRUS

MEASLES

SEE VIRUS DISEASES, MYXOVIRUS, MEASLES

MEASLES, GERMAN

SEE VIRUS DISEASES, TOGAVIRUSES, RUBELLA

MEASLES VACCINE

SEE VACCINES, VIRAL, MEASLES VACCINE

MEASLES VIRUS

SEE VIRUSES, MYXOVIRUSES, MEASLES VIRUS

MEAT

SEE FOOD, MEAT

MECAMYLAMINE

SEE NORBORNANES, MECAMYLAMINE

MECHANICAL PRESSURE

SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

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MECHANICAL VIBRATIONS

SEE PHYSICAL PROPERTIES, MECHANICAL VIBRATIONS

Mechanoreceptors

SEE SENSE ORGANS, MECHANORECEPTORS

MECHLORETHAMINE

SEE HALOALKYLAMINES, MECHLORETHAMINE

Mecholyl

SEE CHOLINE, METHACHOLINE

MEDIX

SEE HEALTH SCIENCES PROFESSIONS, PHYSICIANS ASSISTANTS

MEDIAN EMINENCE

SEE PITUITARY GLAND, MEDIAN EMINENCE

MEDIASTINAL NEOPLASMS

SEE BODY CAVITY NEOPLASMS, MEDIASTINAL NEOPLASMS

MEDIASTINUM

SEE BODY CAVITIES, MEDIASTINUM

MEDIATION

SEE PSYCHOLOGY, LEARNING, MEDIATION

MEDICAID, MEDI-CAL, TITLE 19

SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING, MEDICAL INDIGENCY

MEDICAL ASSISTANCE PROGRAMS

SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING, MEDICAL INDIGENCY

MEDICAL AUDIT

SEE HEALTH CARE QUALITY

MEDICAL CARE COSTS-FINANCING

SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

MEDICAL CARE PLANS, TITLE 18

SEE HEALTH INSURANCE FOR THE AGED, TITLE 18

MEDICAL ECONOMICS

SEE HEALTH ECONOMICS

MEDICAL EDUCATION

SEE EDUCATION, HEALTH OCCUPATIONS, MEDICAL

MEDICAL EQUIPMENT (GENERAL)

SEE HEALTH EQUIPMENT AND SUPPLIES (GENERAL)

MEDICAL FACILITIES UTILIZATION

SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION

MEDICAL INDIGENCY

SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING, MEDICAL INDIGENCY

MEDICAL INSURANCE

SEE HEALTH INSURANCE

MEDICAL PERSONNEL

SEE HEALTH SCIENCES PROFESSIONS, HEALTH CARE PERSONNEL

MEDICAL PERSONNEL PERFORMANCE

SEE HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE

MEDICAL PERSONNEL SUPPORTIVE

SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

MEDICAL PRACTICE

SEE HEALTH CARE PROFESSIONAL PRACTICE

MEDICAL RECORDS

SEE HEALTH RECORDS

MEDICAL RESEARCH

SEE HEALTH SCIENCES RESEARCH (GENERAL)*

MEDICAL SERVICES

SEE HEALTH CARE SERVICES (GENERAL)

MEDICAL STUDENTS

SEE EDUCATION, HEALTH OCCUPATIONS, MEDICAL

MEDICAL SUPPLIES (GENERAL)

SEE HEALTH EQUIPMENT AND SUPPLIES (GENERAL)

MEDICARE

SEE HEALTH INSURANCE FOR THE AGED, TITLE 18

MEDICATION ERRORS

SEE DRUGS, MEDICATION ERRORS

MEDICINAL CHEMISTRY STUDY SECTION

- ** R01A1-01278-18 Chemistry and biochemistry of certain antibiotics
- R01A1-02095-16 Chemistry of polymine antifungal antibiotics
- ** R01A1-04769-13 Mass spectra of antibiotics and related compounds
- ** R01A1-05669-11 Complex molecular synthesis (cockroach, plants)
- ** R01A1-07515-08 Biochemistry of peptide antibiotics

- R01A1-08143-06 Carbon-13 labeled substrates in biosynthetic studies (plants)
- R01A1-08687-06 Natural product syntheses
- ** R01A1-09520-06 Biosynthesis and biogenetic synthesis of polyketides (fungi)
- R22A1-09308-04 Synthesis of mycolic acids from tubercle bacilli
- ** R01A1-09598-05 Biosynthesis of microbial phenazines (microorganisms)
- ** R01A1-09846-05 New antibiotics isolation, synthesis and evaluation (plants, bacteria, fungi)
- ** R01A1-10187-04 Studies on antihormones (insects, plants)
- ** R01A1-10189-04 Properties of sulfur alkaloids (human)
- ** R01A1-10389-03 Photolysis of amino-diones-A synthesis of penicillin
- ** R01A1-10519-03 Penicillin biosynthesis and related peptide chemistry (fungi)
- ** R01A1-10597-03 Synthesis of dihydro-gamma-pyrone antibiotics
- R22A1-10683-03 Antimonial antihelmintic agents (rats, mice)
- R01A1-10964-01 Synthesis of methyloxy immunological assay using mass spectrometric analysis
- ** R01A1-11231-01 Synthesis of complement inhibitors
- ** R01A1-11232-01 Biological modification of the ansamycins
- ** R01A1-11233-02 Antibiotics from pyrenomyces
- ** R01A1-11399-01 Metal binding-Drug allergenicity and effectiveness
- ** R01A1-11490-01 Polycondensed alicyclics and their antiviral role
- ** R01A1-11607-01 Synthesis of macrocyclic lactones
- ** R01A1-11608-01 Metal binding in tetracycline antibiotics
- ** R01A1-11629-01 Polymyxin analogs (mice)
- ** R01A1-11662-01 Approaches to the synthesis of the sesquiterpenes
- R01A1-11690-01 Sterically hidden functional groups
- ** R01A1-11728-01 Biologically active microbial metabolites
- ** R01A1-11744-01 Hydroxamate complexes in iron transport systems
- ** R01A1-11969-01 Antibiotics from marine organisms
- ** R01A1-11970-01 Complement fixation using synthetic IGG1
- ** R01A1-11978-01 Synthesis of epidithiopiperazinedione antibiotics
- ** R01A1-12020-01 Chemistry of arthropod secretions
- ** R01A1-12200-01 Mechanistic study of phototoxicity in antimaterials
- ** R01A1-00709-21 Ultraviolet irradiation of natural products
- ** R01A1-03416-15 Synthesis and chemistry of oriented peptides
- ** R01A1-03787-15 Steroid and terpenoid synthesis
- ** R01A1-04257-14 Mass spectrometry in organic and biochemistry
- ** R01A1-04874-13 Chemical-microbiological syntheses of hormones
- ** R01A1-05452-12 Cortisoneglucosiduronic acid synthesis and isolation
- ** R01A1-07699-11 Synthetic inhibitors of phospholipid metabolism (rats, bacteria)
- ** R01A1-07719-11 Polyhydrocycloalkanes
- ** R01A1-08064-10 Reactions of biochemical interest
- ** R01A1-08066-10 Peptide hormone analogs (guinea pigs, rats, dogs)
- ** R01A1-09105-23 Chemistry and metabolism of steroids (human)
- ** R01A1-10588-09 Synthesis of compound saccharides
- ** R01A1-10849-08 Approaches to structurally modified steroids
- ** R01A1-11499-08 Synthesis of prostaglandins and prostaglandin analogs
- ** R01A1-11662-06 Biosynthesis of ergot alkaloids (fungi)
- ** R01A1-11685-07 Biologically oriented organic sulfur chemistry
- ** R01A1-11694-08 Reaction of metal chelate of vitamin B6
- ** R01A1-12156-07 Stereospecifically labeled mevalonates
- ** R01A1-12436-06 Chemistry of vitamin B6
- ** R01A1-12473-06 Synthetic peptide hormones
- ** R01A1-12523-05 Mechanism of hydrogenase and dehydrogenase action (bacteria)
- ** R01A1-12855-06 Mechanisms of C4 demethylation in steroid biogenesis (rats)
- ** R01A1-12925-06 Synthetic insulins and analogs (human, mice, pigs)
- ** R01A1-13339-06 Metal complexes related to vitamin B12
- ** R01A1-14160-05 Preparation of fusidic acid and modified steroids
- ** R01A1-14341-06 Reaction mechanisms of cyclic tetramine complexes
- ** R01A1-14343-05 The role of porphyrin cations in metabolic processes
- ** R01A1-14344-05 Role of porphyrin cations in metabolic processes
- ** R01A1-15157-04 Alicyclic cations in biogenetic-like reactions
- ** R01A1-15410-04 Synthetic and racemization studies in peptide chemistry
- ** R01A1-15504-01 Synthesis and receptor studies of hormone analogs
- ** R01A1-15556-03 Uterine estrogen receptor affinity labeling

- ** R01A1-15705-03 The general intermediate for vitamin B6 catalysis
- ** R01A1-15918-03 Selective inhibitors of steroid-transforming enzymes (mice, rats)
- ** R01A1-16101-03 Modification of and by metal complexes
- ** R01A1-16412-01 Biorganetic and medical aspects of C₄-cystinase
- ** R01A1-16595-01 Preparation of vitamin D analogs and metabolites (human, rats, dogs, chickens)
- R01A1-16773-03 Studies on the inhibition of squalene synthesis (yeast)
- ** R01A1-17014-01 Porphyrin and corrinoid biosynthesis
- ** R01A1-17069-01 Synthesis of new steroid haptens for radioimmunoassay
- ** R01A1-17211-01 Glycolipid derivatives of vitamin A
- ** R01A1-17323-02 Active site of creatine kinase from rabbit muscle
- ** R01A1-17331-02 Organo metallic derivatives of biological compounds
- ** R01A1-17442-01 Enzymatic thiamine cofactor catalysis-Model systems
- ** R01A1-17454-01 Hormone metabolizing and binding proteins (human)
- ** R01A1-17560-01 Rigid non-steroidal anti-inflammatory agents
- ** R01A1-02931-17 Studies in heterocyclic synthesis
- R01A1-04065-16 Cyclopropyl radicals and studies in asymmetric syntheses
- ** R01A1-04284-15 Preparation of modified steroids and sesquiterpenes
- R01A1-04474-16 Synthesis and reactions of steroid-heterocycles
- R01A1-04536-16 Organic sulfur chemistry and cancer chemotherapy
- ** R01A1-05507-14 Organophosphorus compounds for anticancer screening
- ** R01A1-05513-14 Water-soluble organoboron compounds
- R01A1-06838-11 Syntheses related to polymers of anti-cancer activity
- ** R01A1-07110-11 Highly strained nitrogen heterocyclics
- R01A1-07182-11 Heterocyclic compounds containing phosphorus
- R01A1-07394-10 Synthesis and separation of carcinogenic compounds
- R01A1-07803-11 Biologically-active fatty acid derivatives
- ** R01A1-08250-10 Heterocyclic organosulfur chemistry
- ** R01A1-08495-09 Food heterocycles as potential anticancer agents
- ** R01A1-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- ** R01A1-10494-07 Chemical studies of potential anticancer agents
- ** R01A1-10495-07 New frameworks for chemotherapeutic design
- ** R01A1-10653-07 The synthesis of quinoxaline antibiotics
- ** R01A1-10737-10 Reactions of organophosphorus compounds
- R01A1-10742-06 The chemistry of N-dihydropyrazoles
- ** R01A1-10049-06 The synthesis of natural products for chemotherapy
- ** R01A1-10965-05 Alkaloid analogs as potential antineoplastic agents
- ** R01A1-10979-06 Glyoxalase inhibitors as potential anticancer agents (bacteria, mice)
- R01A1-11033-05 Physiologically active compounds from marine organisms
- R01A1-11045-06 New syntheses of cyclophosphamide and TEPA analogs
- ** R01A1-11089-12 Synthesis of tumor inhibitory lactones
- R01A1-11095-06 Biosynthesis and biogenetic synthesis of indole alkaloids (vinca)
- R01A1-11147-06 Thiazolo- and oxazolo 5, 4-d pyrimidine nucleosides
- R01A1-11185-06 Synthesis and chemistry of diazo compounds
- R01A1-11277-06 Synthetic approaches to the azulene sesquiterpenes
- R01A1-11326-06 Photochemical synthesis of antineoplastic substances
- R01A1-11421-09 Antitumor activity of synthetic mitomycin analogs
- R01A1-11445-06 Benzylisoquinoline alkaloid studies
- R01A1-11450-04 A search for anti-cancer drugs (plants)
- ** R01A1-11507-05 Chemical study of plants of pharmacological interest
- ** R01A1-11572-05 Structural and biological studies of natural products (plants, animals)
- ** R01A1-11627-08 Actinomycins-Conformation and activity
- R01A1-11686-04 Antitumor agents-Synthesis of mitomycin analogs
- R01A1-11715-03 Isolation and synthesis of potential tumor inhibitors (plants)
- ** R01A1-11718-05 Chemistry of tumor-inhibitory natural products
- R01A1-11820-03 Potentially therapeutically useful NAD antagonists
- ** R01A1-11879-03 Fluorinated amine acids as potential cancerostatics
- ** R01A1-11880-03 The synthesis of polyfunctional tumor inhibitor

(contd)

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- ROICA-11890-05 Reactions of azidoquinones with nucleophiles
- ROICA-11935-05 Synthesized polynucleotides as tumor virus inhibitors
- ** ROICA-11967-10 Properties of cyclic P CPDS-potential carcinostats
- ** ROICA-12008-06 Synthesis of sesquiterpenoid antitumor agents
- ROICA-12010-12 A general synthetic approach to indole alkaloids
- ** ROICA-12020-03 Synthesis of actinobolamine and related molecules (streptomyces)
- ** ROICA-12025-03 Structural chemistry of berane anion complexes
- ** ROICA-12059-05 Chemistry of biologically active natural products (plants)
- ** ROICA-12107-10 Synthesis of antitumor natural products
- ** ROICA-12115-04 Unsaturated polyolefins and hydrocarbon carcinogenesis
- ** ROICA-12149-03 Synthesis of the anticancer agent, Camptothecin
- ROICA-12164-03 The biological function of cesium
- ** ROICA-12186-04 Studies of potential anti-cancer agents
- ** ROICA-12193-08 Photochemical synthesis of sesquiterpenes
- ** ROICA-12195-07 Heterocyclic small ring compounds
- ROICA-12205-03 Preparation and properties of showdomycin analogs
- ** ROICA-12231-03 Synthetic macromolecules as anti-tumor agents
- ** ROICA-12359-03 Tree sap extracts for cancer chemotherapy screening
- ** ROICA-12360-04 Studies in medicinal chemistry—Antitumor agents
- ** ROICA-12361-03 Synthesis of homologs of anticancer alkaloids
- ROICA-12422-03 Nucleosides of thiosugars
- ROICA-12528-03 Hydroxylamine derivatives
- ** ROICA-12568-04 Chemical studies on potential antitumor agents
- ROICA-12591-03 Synthesis of new ribonucleoside 3, 5 cyclic phosphates
- ** ROICA-12617-03 Synthesis of isoprenoid anti-tumor compounds
- ** ROICA-12618-01 Cancer inhibitors from asclepias
- ** ROICA-12642-03 Inhibitors of asparagine synthesis (mice, rats, human, pigs)
- ** ROICA-12657-03 Synthesis of streptonigrin and related compounds
- ** ROICA-12658-03 Total synthesis of a potential anti-tumor lactone
- ** ROICA-12816-07 Cyclic aminimides as alkylating agents (bacteria)
- ** ROICA-12823-03 Pyrido 2, 3-D pyrimidine nucleosides as antitumor agents
- ** ROICA-12831-03 Plant tumor inhibitors
- ** ROICA-12859-03 Biological C-methylation reactions (Penicillium citrinum)
- ROICA-12876-03 Chemical and biochemical studies of pleridines (bacteria, animals)
- ** ROICA-12938-03 New alkylating agents for cancer chemotherapy
- ROICA-12940-02 Methods of synthesis of indoles and indole alkaloids
- ROICA-12960-02 Synthesis and chemotherapy of nucleic acid analogs
- ROICA-12961-03 Tumor inhibitors from dodecahedrane and peristyrene
- ** ROICA-13001-02 Characterization of anti-tumor principles from plants
- ** ROICA-13118-03 Preparation of L-3-amino-nucleosides and nucleotides
- ** ROICA-13119-02 Colchicine derivatives as antileukemic agents
- ** ROICA-13120-03 Maleimide derivatives as cancer chemotherapeutics
- ROICA-13121-16 Studies in phytochemistry (compositae)
- ROICA-13123-03 Hydrazo, nitroso and adamantyl phosphorus oncotics
- ROICA-13190-02 Human tumor—Specific immunity
- ** ROICA-13199-03 Synthesis and reactions of alkylating agents
- ** ROICA-13201-03 Potential carcinostatic sulfinyl derivatives
- ** ROICA-13268-03 A search for tumor inhibitors from sarracenia (angiosperms)
- ** ROICA-13278-06 Synthesis of ergolines and related compounds (rats, mice)
- ** ROICA-13369-03 Sterol biosynthesis in cancer (animals, human, pous)
- ** ROICA-13459-02 Synthesis of azotomycin and related peptides
- ** ROICA-13592-05 Ribosomal mapping with carbocyclic paromycin analogs (bacteria)
- ROICA-13616-02 Metabolism of naturally occurring antitumor compounds
- ** ROICA-13648-02 Antitumor agents from natural sources (plants, mammals)
- ** ROICA-13685-02 Total synthesis of cephalotaxine
- ** ROICA-13689-02 Tumor inhibitors—synthesis of vernolepin
- ** ROICA-13786-01 Microbial transformations—Natural antitumor agents
- ROICA-13802-02 Analogs of decorynine as potential antitumor agents
- ** ROICA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
- ** ROICA-13858-02 Polynucleotide termination by modified nucleosides (human, bacteria)
- ** ROICA-13911-02 Synthesis of CMS antitumor agents
- ** ROICA-13963-02 Synthetic and physical studies of anticancer agents
- ROICA-13964-02 Tetrahydropyridines in cancer chemotherapy
- ** ROICA-13968-02 Electrosteroechemical properties of cyclic carcinostats
- ROICA-13996-02 Pedophyllum components and analogs—antimicrobials
- ** ROICA-14014-02 Synthesis of antitumor agent harringtonine
- ROICA-14152-03 New synthetic methods, routes to biologically active compounds
- ** ROICA-14153-01 Cycloparagine and cycloglutamine
- ** ROICA-14180-02 New aspects of neoplastic tissue lipid analysis (mammals)
- ** ROICA-14237-02 Synthesis of antitumor indole alkaloids
- ** ROICA-14238-02 Synthesis of ornithine decarboxylase inhibitors (rats)
- ** ROICA-14239-02 Elucidation of polyamine conjugates in urine (human)
- ROICA-14252-02 Synthesis of c-nucleosides related to showdomycin
- ** ROICA-14343-01 Heterosteroids—Anticancer agent potentiators (mice, rats)
- ** ROICA-14378-05 Biosynthesis of the mitomycin antibiotics
- ROICA-14403-02 Practical total synthesis of cephalotaxine
- ROICA-14477-02 Potential anti-tumor agents and esterase inhibitors
- ** ROICA-14511-02 Photosynthesis of antiviral and antitumor drugs
- ** ROICA-14615-01 Synthesis and evaluation of new folate antagonists
- ** ROICA-14617-01 Thiamine mediated formation of hydrazamic acids
- ROICA-14912-09 Synthesis of elaiomycin and other azopoliketones
- ** ROICA-14968-01 Synthesis of polynuclear aromatic hydrocarbons
- ** ROICA-15004-01 Syntheses of potential antitumor and antiviral agents
- ** ROICA-15005-01 Rational modification of some antitumor agents (human)
- ** ROICA-15006-01 Chemistry of nonbenzenoid aromatic molecules
- ** ROICA-15028-01 Electrochemical analysis for carcinogenic nitrosamines
- ** ROICA-15029-01 Synthesis of septacidin analogs as antitumor drugs
- ** ROICA-15056-01 Antineoplastic peptides from urine
- ** ROICA-15061-01 Synthesis of the potent antileukemic agent adriamycin
- ** ROICA-15230-01 Antineoplastic principles (mice)
- ** ROICA-15348-01 Photosensitization due to drugs
- ** ROICA-15529-01 Antitumor agents—New compounds and new syntheses
- ** ROICA-15535-01 Specific inhibition of dihydrofolate reductase
- ** ROICA-15590-01 Antitumor agents from West African plants
- ** ROICA-15628-01 Pyrrole derivatives as anticancer agents
- ** ROICA-15736-01 Synthesis of tumor inhibitory sesquiterpenoids
- ** ROICA-15759-01 Synthesis of the antileukemic lignan staganacin
- ** ROICA-15771-01 Potential carbonostatic triathiazines
- ** ROICA-15824-01 Synthesis of antileukemic analogs of quassin
- ** ROICA-15826-01 Metal binding to polynucleotides—Probes and drugs
- ** ROICA-15880-01 Reactions and synthesis of diaziridines
- ** ROICA-15898-01 Cytotoxic agents affecting cell membrane biogenesis
- ** ROICA-16049-01 Naturally occurring antineoplastic agents (arthropods, plants)
- ** ROICA-16068-01 Total synthesis of crotoposide, an antitumor compound
- ** ROICA-16070-01 Vincristine and vinblastine derivatives and models
- ** ROICA-16156-01 Metals and antitumor activity of thiosemicarbazones
- ** ROICA-16158-01 Synthesis and stereochemistry of new anticancer drugs
- ** ROICA-16191-01 5-Substituted pyrimidines and cancer chemotherapy
- ** ROICA-16206-01 Ricin-A plant agglutinin with antitumor properties
- ** ROICA-16219-01 Potential antiviral and antineoplastic agents (mice)
- ** ROICA-16220-01 Potential anti-carcinogenic alkylating agents
- ** ROICA-16253-01 Respiratory inhibitors as antineoplastic agents
- ** ROICA-16267-01 Chemical investigation of Hawaii marine algae
- ** ROICA-16524-01 Synthesis of crotoposide
- ** ROICA-16616-01 Synthesis of macrocyclic natural products
- ** ROICA-16661-01 Concanavalin A-saccharide structural studies
- ** ROICA-16903-01 Vinyl trifluoromethanesulfonate chemistry
- ** ROICA-16912-01 Thio and seleno sugar esters of group V acids
- ** ROICA-16967-01 Vincristine and vinblastine derivatives and models
- ROIDA-00117-04 Stereochemistry of 2-aminoleptatin analogs
- ** ROIES-00761-03 Chemical behavior of organomercury compounds
- ** ROIES-00788-01 Analysis of carbon monoxide in blood
- ** ROIES-00894-01 Aqueous solution studies of arsenates and vanadates
- ** ROIES-00895-01 Structural studies in treatment of metal poisoning
- ** ROIES-00944-01 Air pollutant-lipid membrane interactions
- ** ROIES-01056-01 Hydroxychlorobiphenyls—Degradation products by PCB'S
- ** ROIFD-00396-03 Molecular structure of ciguatera (fish)
- ** ROIFD-00619-01 Atlantic shellfish poison, G. tamaronis toxin (animals)
- ** ROIFD-00689-01 The toxicity and potency of tetracyclines
- ** ROIFD-04229-20 The chemistry of natural products
- ** ROIFD-05147-17 Synthesis of natural products
- ROIFM-05472-16 MS methods in protein and nucleic acid chemistry
- ** ROIFM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- ** ROIFM-06168-16 Stereospecific synthesis of polysaccharides
- ** ROIFM-06304-15 Steric and kinetic factors in terpene cyclizations
- ** ROIFM-06840-16 Marine chemistry and research on terpenoids (marine animals)
- ** ROIFM-07487-13 Photochemistry of organic molecules
- ** ROIFM-07874-14 New synthetic methods via reactive intermediates
- ** ROIFM-07966-14 Chemistry of unsymmetrical aliphatic disulfides
- ** ROIFM-08347-14 Function of molybdenum in biological systems
- ** ROIFM-08893-12 Chemical kinetics studied by relaxation spectrometry
- ** ROIFM-09686-13 Chemistry of natural products
- ** ROIFM-09706-09 New amino-protecting group
- ** ROIFM-10040-12 Ligand reactions and homogeneous catalysts
- ** ROIFM-10265-12 New methods for synthesis of polynucleotides
- ** ROIFM-10366-11 Bioisosters of biologically active indoles
- ** ROIFM-10421-12 Synthesis of alkaloids and terpenoids
- ** ROIFM-10851-17 Biomedical separations—A basic approach
- ** ROIFM-10937-12 Stereospecific synthesis via hydroboration
- ** ROIFM-11373-11 Phosphorimetric analysis of drugs in blood and urine (human)
- ** ROIFM-11520-11 Six-Deoxy-4-keto and 4-, 6-dideoxy sugars (bacteria)
- ** ROIFM-11973-09 Biosynthetic intermediates of porphyrins
- ** ROIFM-11976-10 Synthesis of biologically important carbohydrates
- ** ROIFM-12152-10 Metal ion transfer and catalysis in peptide complexes
- ** ROIFM-12592-10 Photoprocesses in the organic solid state
- ROIFM-12596-08 Solvent effects in coordination kinetics—Methanol
- ** ROIFM-12626-10 Metal complex catalysis of biological reactions
- ** ROIFM-12640-10 Asymmetric induction in synthesis and resolution
- ** ROIFM-12672-07 The chemistry of N-sulfonylamines
- ** ROIFM-12783-09 Stereochemical effects in metal ion redox reactions
- ** ROIFM-12832-09 Proton transfer reactions
- ** ROIFM-12848-10 Tetracycline and related phenolic natural products
- ** ROIFM-12855-10 The acidity of hydrocarbons
- ** ROIFM-13000-09 Applications of ESR spectroscopy
- ** ROIFM-13246-17 Metabolism of natural products of medicinal interest (plants)
- ** ROIFM-13306-09 Phosphate activation mechanisms (Aspergillus oryzae)
- ** ROIFM-13453-09 Synthesis and reactions of peptides
- ** ROIFM-13498-09 Metal centers in biological systems
- ** ROIFM-13598-09 Steroids, prostaglandins—synthetic designs
- ** ROIFM-13638-09 Organic groups in redox reactions of metal ions
- ** ROIFM-13651-09 Synthesis of novel conjugated molecules
- ** ROIFM-13689-08 N-azidamines
- ROIFM-13956-09 Bio-organic reactions related to sterol biosynthesis
- ** ROIFM-13980-10 New methods of peptide synthesis (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01GM-14082-08 Biocyclization systems and related structural studies
- ** R01GM-14569-08 Biological trace analysis by hollow cathode emission
- ** R01GM-15238-07 Photochemical studies of molecular complexes
- ** R01GM-15256-07 The esterolytic catalysis of polymeric imidazoles
- R01GM-15373-07 Demetalation of organometallic compounds
- ** R01GM-15425-07 Medicinal photochemistry—Synthesis and reactions
- ** R01GM-15471-07 Metal complexes of Schiff bases
- R01GM-15847-06 High speed liquid gas chromatography
- ** R01GM-15994-06 Ion-molecule mass spectra in structure elucidation
- ** R01GM-15996-06 Trace element analysis in biological samples
- ** R01GM-15997-06 Organic syntheses
- ** R01GM-16213-07 Some novel synthesis of oligonucleotides
- ** R01GM-16231-06 Cationic cyclizations at vinylic termini
- ** R01GM-16395-06 Organometallic reagents in organic synthesis
- ** R01GM-16449-06 Iron-sulfur coordination and protein chemistry
- ** R01GM-16609-06 Mass spectrometry in biomedical research
- ** R01GM-16611-06 Photorearrangements of bicyclic ketones
- ** R01GM-16626-05 Biologically active heterocyclic N-oxides
- ** R01GM-16944-05 Stereochemical studies of biosynthetic reactions
- ** R01GM-16962-04 Geometry of transition states
- ** R01GM-17061-04 Stereospecific isoprenoid synthesis
- R01GM-17267-03 Intramolecular cyclization of N-allylpyridinium salts
- ** R01GM-17576-04 Ion-selective sensors for clinical analysis (human)
- ** R01GM-17652-01 Application of new cycloadditions to drug synthesis
- ** R01GM-17880-04 Mixed function oxygenase models
- ** R01GM-17929-03 Diagnostic profiling with phosphate electrodes
- ** R01GM-18028-01 Synthesis of potential diuretic and hypoglycemic agents
- ** R01GM-18143-04 Sesquiterpene biogenesis (plants)
- ** R01GM-18144-03 Bonding and reactions of model complexes
- ** R01GM-18191-10 Free-radical biochemical oxidations
- R01GM-18278-04 Biochemistry of natural products (plants, microorganisms)
- R01GM-18348-03 Motogenic mechanisms
- R01GM-18349-04 Photochemical synthesis of bioactive molecules
- ** R01GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- ** R01GM-18593-09 Polyfunctional catalysis
- ** R01GM-18595-04 Synthesis of unsubstituted chains of polysaccharides
- ** R01GM-18646-01 Reagentless monitoring system for enzyme analysis
- ** R01GM-18752-03 Solid-phase peptide synthesis (animals)
- R01GM-18754-13 Biochemical model reactions
- ** R01GM-18756-03 New synthetic and analytical methods for peptides
- ** R01GM-18759-03 Total synthesis of antifungal antibiotics
- R01GM-18872-03 Stereochemistry of cysteine biosynthesis from serine (rats)
- ** R01GM-18874-03 New synthetic methods useful for chemotherapeutics
- ** R01GM-18890-03 Studies on coenzyme model compounds
- ** R01GM-18979-03 Stable isotope ratios using submicrogram samples
- ** R01GM-18983-03 Models for metalloproteases
- ** R01GM-18999-03 Enzyme, nonenzyme catalyzed carbon acid prototropy
- ** R01GM-19047-03 Hindered coordination—Structure and reactivity
- ** R01GM-19101-02 Oligosaccharide synthesis and glycosyl rearrangements
- ** R01GM-19103-03 Investigations of metabolic systems (plants)
- ** R01GM-19108-03 New tools for investigation of protein biosynthesis (bacteria)
- R01GM-19111-03 Peptidyl transferase recognition sites
- R01GM-19134-08 Organic molecules with diamond-like structures
- R01GM-19156-02 Medical diagnosis by field ionization spectrometry
- ** R01GM-19173-11 Aromaticity and synthesis
- ** R01GM-19220-03 Biosynthesis of anti-leukemic
- R01GM-19220-03 Cephalotaxus alkaloids (yeast)
- ** R01GM-19234-03 Electrochemical medicinal synthesis
- R01GM-19251-05 Biosynthetic studies of mesembrine
- R01GM-19252-06 Chemical studies related to cycitol biosynthesis
- ** R01GM-19256-03 Biologically related iron-sulfur chemistry
- R01GM-19311-03 Synthesis, conformation, and mode of action of tenofovir
- R01GM-19312-03 Characterization of host-specific toxins (fungi, oats)
- ** R01GM-19335-01 Stereochemical criteria for micelle-enzyme analogy
- R01GM-19478-03 Microanalysis using gas chromatography
- R01GM-19488-17 Chemi- and bioluminescence
- ** R01GM-19554-02 Chiral hydride transfer agents
- ** R01GM-19557-01 Model studies of squelone biosynthesis
- ** R01GM-19566-06 Synthesis of lignans and related products
- ** R01GM-19631-11 Reaction kinetics at amphipathic surfaces
- ** R01GM-19645-02 Synthesis and conformation of cyclic tetrapeptides
- ** R01GM-19658-02 Cyclization of metal-complexed polyolefins
- ** R01GM-19775-02 Activation of molecular oxygen by metal peptides
- ** R01GM-19882-09 Biosynthesis of steroids in digitalis plants
- ** R01GM-19905-02 Analysis of trace elements in biological systems
- ** R01GM-19906-01 Model studies of vitamin B12
- ** R01GM-19913-02 Tautomeric catalysis—Model of enzyme catalysis
- ** R01GM-19925-01 New synthesis of biological compounds
- ** R01GM-19959-01 New synthesis of unsaturated carbonyl compounds
- ** R01GM-20002-01 Synthesis of beta-glycosyl nucleotides
- ** R01GM-20003-01 Structure determination by mass spectrometry
- ** R01GM-20073-01 Synthesis and scintigraphic study of ¹¹¹C compounds (dogs)
- ** R01GM-20080-02 Photooxidation in model biological systems
- ** R01GM-20082-01 Preparation of fluorinated volatile anesthetics
- ** R01GM-20181-01 Lipopolysaccharide antigens of pseudomonas aeruginosa
- R01GM-20188-01 Models for Schiff base enzymes
- R01GM-20196-02 Farnesyl pyrophosphate coupling
- R01GM-20197-04 Enhancing the specificity of synthetic procadurins
- ** R01GM-20198-01 Enzyme effector design—Proton inventories
- ** R01GM-20281-01 Trace element detection by ion induced x-rays
- ** R01GM-20282-01 Trace element detection by ion induced X-rays
- ** R01GM-20304-02 Reduction and oligomerization of polyunsaturates
- ** R01GM-20315-02 Reagent for protein sequencing and modification
- ** R01GM-20322-01 Stereospecific functionalization of aromatic amines
- ** R01GM-20329-07 Photo chemical synthesis of organic compounds
- ** R01GM-20336-01 Hydrocarbon-water contact, a bioorganic approach
- ** R01GM-20347-01 Heterocyclic compounds of potential biological utility
- ** R01GM-20357-01 Glycerol derivatives—Absolute configuration of drugs
- R01GM-20368-02 Synthesis and biosynthesis of cephalotaxine
- ** R01GM-20431-01 Determination of trace metals in biological samples
- ** R01GM-20443-02 Construction of biologically important lactones (plants)
- ** R01GM-20500-01 Biogenetic C-13 enrichment of natural product drugs
- ** R01GM-20511-01 Enzyme model systems containing aminoallylphosphonic acids
- ** R01GM-20602-01 Synthesis of potential new psychoactive molecules
- ** R01GM-20645-01 Chromatographic separations of enantiomers
- ** R01GM-20671-01 High resolution liquid chromatography of lipids
- ** R01GM-20672-14 Superphosphorylating agents
- R01GM-20675-01 Multielement analysis by emission spectrometry
- ** R01GM-20677-01 Total synthesis of ribonucleic acids
- ** R01GM-20707-01 Biogenesis of cyclopropane rings
- ** R01GM-20780-01 Photochemical annulations with alpha-formyl ketones
- ** R01GM-20793-01 Negative ion studies of bioorganic molecules
- ** R01GM-20795-01 Biological trace metal atomic emission spectrometer
- ** R01GM-20992-01 Phosphorus analogues of biologically active pyridines
- ** R01GM-21034-01 Electrochemistry and interfacial behavior of purines
- ** R01GM-21076-01 A general scheme for alkaloid syntheses
- ** R01GM-21093-01 Transition state models of protein synthesis
- ** R01GM-21159-01 Vinyl sulfides in organic synthesis
- ** R01GM-21174-01 Solid state reactions in medicinal chemistry
- R01GM-21182-07 Synthesis of alkaloidal medicinal agents
- ** R01GM-21184-01 Ion microprobe analyzer for biology
- ** R01GM-21211-01 Cacti as drugs of abuse
- ** R01GM-21220-01 Tissue specific inhibitors of phosphodiesterase
- ** R01GM-21249-01 Prostaglandin endoperoxides
- ** R01GM-21311-01 Photoelectron spectroscopy of drugs and carcinogens
- ** R01GM-21328-01 Substrate analogs for terpene condensation reactions
- ** R01GM-21350-01 Steroids and other biologically active substances in plants (fungi, ferns)
- ** R01GM-21381-01 Spin label studies of corticosteroid binding
- ** R01GM-21746-01 Prostaglandin synthesis
- ** R01GM-04878-05 Organic metabolism related to mental retardation (human)
- ** R01GM-06351-03 Neurohypophysial hormones—Structure-activity and phylo
- ** R01GM-07265-11 Organic photochemistry (human)
- ** R01GM-08457-01 Analysis and metabolism of diethylstilbestrol (humans, mammals)
- ** R01GM-08550-01 Ring expansion routes to 8,9,13,14-dicorticosteroids
- ** R01GM-09025-01 Iron anemia perceptual and biochemical correlates
- ** R01GM-09026-01 Bilirubin photochemistry and pyrolysis
- ** R01GM-02342-18 Electron transfer mechanisms and hemoprotein models
- ** R01GM-07502-10 Phytochemistry of the genus thalictrum (dogs, plants)
- ** R01GM-09678-09 Oxygen-carrying metal complexes
- ** R01GM-11274-07 Regulators of catecholamine and steroid biosynthesis
- ** R01GM-11489-07 Structural investigations on glycosaminoglycans
- ** R01GM-12325-06 Circulatory system effects of peptide hormones (guinea pigs, dogs)
- ** R01GM-12971-12 Reactions of alkaloids and their analogs
- R01GM-13412-12 Synthetic oxygen carriers
- ** R01GM-13581-07 Reactions of oxygen with home proteins
- ** R01GM-13587-03 Synthesis and pharmacology of resin inhibitors (rats)
- R01GM-13671-02 The molecular structure of polyvinyl (co)esterates
- ** R01GM-14106-02 Binding characteristics of thrombin active site
- ** R01GM-14590-03 Biologically important transition metal complexes
- R01GM-14729-02 Automated analysis of digoxin and related drugs (human)
- ** R01GM-14827-03 Reactivity of iron in strong ligand field environments
- ** R01GM-14950-02 Heterocyclic derivatives of styrylactic acid
- ** R01GM-15021-02 Novel heterocycles as potential hypotensive agents
- ** R01GM-15029-06 Chemistry of monolayers surfaces and membranes
- ** R01GM-15394-02 Practical total synthesis of vincamine
- ** R01GM-15476-02 Mechanism and control of sterol biosynthesis (rats, yeast)
- ** R01GM-15640-02 Reactions of polydentate thioamino metal complexes
- R01GM-15766-02 Synthesis and mechanisms of membrane-active drugs
- ** R01GM-15771-01 Amphiphilic cyclodepsipeptides
- ** R01GM-16017-01 Automated hemoglobin electrophoresis
- ** R01GM-16205-01 Control of reactions of coordinated ligands
- ** R01GM-16207-01 Synthesis of phospholipid lung surfactant
- ** R01GM-16464-01 Synthesis and study of hypolipidemic agents (mice, rats)
- ** R01GM-16471-01 Cardioactive allylshimbines and related indole alkaloids
- ** R01GM-16474-01 Antibiotic-ion interactions
- ** R01GM-16524-01 Selective inhibitors of prostaglandin biosynthesis (dogs)
- ** R01GM-16746-01 Design of ion-selective molecules
- ** R01GM-04349-12 Dopaminergic compounds related to apomorphine (mice, rats, pigeons, dogs)
- ** R01GM-08245-06 General methods of alkaloid synthesis
- ** R01GM-08427-06 Stereochemical requirements for NBU blockade (cats)
- ** R01GM-08738-05 Site-directed alkylating agents for narcotic receptors
- ** R01GM-08740-08 Electrochemistry—EPR of biological electron transfer
- ** R01GM-09350-04 Stereochromic studies of adrenergic drugs
- ** R01GM-09399-10 Catecholamine receptor sites—Stereochromic approaches
- ** R01GM-09572-03 Models for hydroxylases of neurochemical significance
- ** R01GM-09831-03 Synthesis of the CNS stimulant dendrobine
- R01GM-10090-02 Synthesis of geometrically defined analgesics
- ** R01GM-10197-03 Synthesis of new CNS agents
- ** R01GM-10198-02 Structural analogs of S-adenosylmethionine
- R01GM-10203-02 Psychoactive, anticonvulsant, antiparkinson drugs (mice, guinea pigs, rats)
- R01GM-10484-03 Toxins causing paralytic noninflammatory neuropathy (Kawassia)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R01NS-10528-12 Anodic oxidation of biological amines
 R01NS-10712-02 Synthesis and biology of some analgesics
 R01NS-10896-01 Development of selective beta-adrenoceptive agents
- ** R01NS-10903-01 Group IV analogs of amitriptyline and Imipramine
- ** R01NS-11028-01 Metabolism of apomorphine and its analogs (animals)
- ** R01NS-11556-01 Metal chelates of L-DOPA for Parkinsonism
- ** P07RR-00317-07 Mass spectrometry facility for biomedical research
- ** P07RR-00330-07 Mass spectrometry center for Research Triangle region
- ** P07RR-00355-08 High resolution mass spectrometer facility
- ** P07RR-00356-08 Physical sciences instrumentation facility
- ** P07RR-00480-06 Support of Michigan State mass spectrometry facility
- M P07RR-00639-01 Interdepartmental NMR facility health center
- ** P07RR-00665-01 Regional biomedical mass spectrometry resource
- P07RR-00719-01 Biomedical, clinical mass spectrometry resource
- ** P07RR-00798-01 Southern New England high field NMR facility
- ** P07RR-00862-01 Mass spectrometric bio-technology resource

MEDICINAL PLANTS

SEE PLANTS EXTRACTS, MEDICINAL PLANTS

MEDICINESEE ANIMALS, VETERINARY MEDICINE
 SEE ENVIRONMENT, EXTRATERRESTRIAL, SUPRATERRESTRIAL
 SEE GENERAL MEDICINE STUDY SECTION
 SEE HEALTH CARE SERVICES, PHYSICAL MEDICINE
 SEE OCCUPATIONAL HEALTH, INDUSTRIAL MEDICINE
 SEE PSYCHIATRY
 SEE TROPICAL MEDICINE (GENERAL)**MEDICINE, LEGAL**SEE HEALTH SOCIAL CONTROL
 SEE HEALTH SOCIAL CONTROL, FORENSIC MEDICINE**MEDICINE, PRIMITIVE**

SEE HEALTH CARE PRACTICE, PRIMITIVE MEDICINE

MEDIHC

SEE HEALTH SCIENCES PROFESSIONS, MEDIHC

MEDITATION

SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE, MEDITATION

MEDITERRANEAN COUNTRIES

SEE GEOGRAPHICAL SITES, MEDITERRANEAN COUNTRIES

MEDROXYPROGESTERONE

SEE PROGESTERONE ANALOGS, MEDROXYPROGESTERONE

MEDROXYPROGESTERONE ACETATE

SEE PROGESTERONE ANALOGS, MEDROXYPROGESTERONE ACETATE

MEDULLA OBLONGATA

SEE BRAIN, MEDULLA OBLONGATA

MEDULLOBLASTOMA

SEE BRAIN NEOPLASMS, CEREBELLAR, MEDULLOBLASTOMA

MEETINGS CONFERENCES SYMPOSIA

SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

MEGACOLON CONGENITAL IDIOPATHIC

SEE CONGENITAL ABNORMALITIES, GASTROINTESTINAL, MEGACOLON CONGENITAL

MEGAKARYOCYTES

SEE BLOOD AND RE SYSTEM, MEGAKARYOCYTES

MEGALOBLASTIC ANEMIA

SEE BLOOD AND RE DISORDERS, ANEMIA MEGALOBLASTIC

MEGLUMINE DIATRIZOATE

SEE RADIOGRAPHY, CONTRAST MEDIA, TRIODOBENZOATE*

MEIOSIS

SEE CELL DIVISION, MEIOSIS

MELANCHOLIA, INVOLUTIONAL

SEE PSYCHOSIS, INVOLUTIONAL

MELANESIANS

SEE SOCIAL GROUPS, ETHNIC, MELANESIANS

MELANIN

SEE PIGMENTATION, MELANIN

MELANIN INHIBITORS

SEE PIGMENTATION, MELANIN INHIBITORS

MELANOBLASTS

SEE PIGMENTATION, MELANOBLASTS

MELANOCYTE STIMULATING HORMONE

SEE PITUITARY-DIENCEPHALON HORMONES, MSH

MELANOCYTE STIMULATING HORMONE THYROID

SEE THYROID HORMONES, THYROMEL

MELANOCYTES

SEE PIGMENTATION, MELANOCYTES

MELANOIDIN REACTION

SEE CHEMICAL REACTIONS, BROWNING REACTION

MELANOMA

SEE PIGMENT CELL NEOPLASMS, MELANOMA

MELANOMA S91

SEE PIGMENT CELL NEOPLASMS, MELANOMA S91

MELANOSOMES

SEE PIGMENTATION, MELANOSOMES

MELATONIN

SEE PITUITARY-DIENCEPHALON HORMONES, MELATONIN

MELLARIL

SEE PHENOTHIAZINES, THIORIDAZINE

MEMBRANE

- SEE ALSO BODY CAVITIES, SEROSA
 SEE ALSO CELL COMPONENTS, CELL MEMBRANE
 SEE ALSO CELL COMPONENTS, CELL WALL
 SEE ALSO CELL COMPONENTS, MITOCHONDRIAL MEMBRANE
 SEE ALSO CELL COMPONENTS, PROTOPLASTIC MEMBRANE
 SEE ALSO EAR, LABYRINTHINE MEMBRANES
 SEE ALSO EYELIDS, NIGHTMATING MEMBRANE
 SEE ALSO MOLECULAR FILMS
 SEE ALSO PREGNANCY MEMBRANES
 SEE ALSO TISSUE, EPITHELIUM
- R01AI-03082-15 Host mechanisms operative in chronic infections (human)
- R01AI-04788-12 Lipids of algae and microorganisms
- ** R01AI-08650-06 Biosynthesis of lipopolysaccharides (bacteria)
- R01AI-11564-02 Alpha toxin—Chemistry and action on membranes (bacteria, mammals)
- R01AM-05310-13 Fatty acid activation and transfer to glycerolipids (rats)
- ** R01AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)
- R01AM-10166-09 Characterization and isolation of lecithins (rats)
- R01AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
- R01AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
- R01AM-15836-03 Control of lipogenesis in animals and microorganisms (rats, microorganisms)
- R01AM-16922-02 Structure and function of sarcoplasmic reticulum (rabbits)
- P17AM-17026-01 0029 Vanderbilt University Diabetes-Endocrinology Center - Membrane bound enzymes (rats)
- P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
- ** R01AM-17074-01 Role of bone membranes in calcium regulation
- R01CA-05295-14 0004 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on membrane systems (mice)
- R01CA-11595-14 Regulation of cellular syntheses and activities (bacteria, animal cells)
- R01CA-11684-05 Mechanisms of drug action in normal and tumor cells (mice, human, rats)
- R01CA-12973-03 Tumor lipids—Metabolism and structural studies
- R01CA-13805-02 Radiation injury in subpopulations on lymphocytes (mice)
- ** R01CA-13897-02 Brain tumor chemotherapy with semipermeable membranes (dogs)
- P01CA-14599-01 0019 University of Chicago Cancer Research Center - Organization of lipids in plasma membranes (rats)
- R01CA-14692-02 Cancer cell survival and mechanisms of cytotoxicity (human, mice)
- R01CA-14713-02 Adrenal cyclase in normal and cancer cells (mammals)
- R01CA-14780-02 Transport by membrane vesicles of cultured tumor cells
- ** P01CA-15655-01 0016 Cancer center support grant - ESR studies of membrane organization
- P13DE-02600-08 0014 Planning of a research center in oral biology - Membrane biosynthesis and degradation in parotid gland
- P10ES-00210-07 0017 Center for environmental management - Lipid chemical interaction
- ** R01ES-00944-01 Air pollutant-lipid membrane interactions
- P01EY-00396-07 0001 Basic ophthalmic research program - Functional development of the eye (primates)
- R01EY-00703-04 Biochemical studies in normal and cataractous lenses (human, rabbits)

- ** R01EY-01177-02 Conformational dynamics of excitable membranes
- R01GM-04842-18 Interrelationship between protein structure and function
- R01GM-08209-11 Biophysical basis for thresholds in bio-ultrasound
- P01GM-12202-11 Cellular energy metabolism
- M P01GM-12847-10 Molecular biology of membrane systems
- ** P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
- R01GM-15311-12 Studies on microtubules (helminths, protozoa, snails)
- ** P01GM-15423-07 0017 Molecular basis of control mechanisms - Dinitroazide spin labels
- ** P01GM-15423-07 0019 Molecular basis of control mechanisms - ESR in organic crystals
- ** P01GM-15423-07 0020 Molecular basis of control mechanisms - Molecular biology of membranes
- ** P01GM-15423-07 0021 Molecular basis of control mechanisms - Boundary lipid in membranes
- P01GM-15904-07 0003 Anesthesiology center for research and teaching - Molecular interactions of anesthetics (mice, newts)
- P01GM-15904-07 0004 Anesthesiology center for research and teaching - Molecular basis of action of general anesthetics
- R01GM-16133-07 0001 Immobilized enzymes to analyze and alter metabolism - Glucose enzyme electrode
- R01GM-16133-07 0006 Immobilized enzymes to analyze and alter metabolism - Oxygenation by transmembrane catalysis of hydrogen peroxide (dogs)
- R01GM-16133-07 0008 Immobilized enzymes to analyze and alter metabolism - Hormone electrode (toad bladder)
- ** R01GM-18760-03 Characterization of membrane lipoproteins (rats, cattle)
- R01GM-19091-03 Metabolism and control of fatty acids (animals, bacteria)
- ** R01GM-19312-03 Characterization of host-specific toxins (fungi, oats)
- ** R01GM-19319-03 Structure of biological membranes (rats, human)
- R01GM-19654-02 Molecular mechanism of cellular motility (amoebae, human)
- R01GM-20526-01 Role of sterols in membranes
- ** R01GM-21205-01 Molecular biology of aging fungi as models
- R13GM-21478-01 Workshop in membrane research (Colorado)
- P01HD-02274-08 0062 Mental retardation and child development - Neurophysiology of epileptic foci (cats, sea slugs)
- M P01HD-06267-03 Role of biological membranes in aging processes
- R01HD-06975-02 Embryonic development in unfertilized turkey eggs
- R01HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
- R01HL-02875-16 Mechanism of the action of cardiac glycosides (dogs)
- R01HL-07984-12 Red cell factors in oxygen delivery (rabbits)
- P01HL-08899-10 0029 Oxygenation and oxygen effects in man - Isobaric gas counter diffusion phenomena (human, pigs)
- P01HL-11678-07 0016 Cardiovascular dynamics and their control - Properties of interstitium
- ** P01HL-12157-07 0026 Functions and mechanisms of cell membrane ion transport - Model membranes—Bulk systems
- P01HL-13737-04 0026 Assisted circulation - Hemostatic mechanism (human, dogs)
- R01HL-14483-04 Ion transport and oxidative phosphorylation (cattle)
- ** R01HL-15029-06 Chemistry of monolayers surfaces and membranes
- R01HL-15680-02 Intestinal secretion-capillary and tissue forces (dogs)
- R01HL-15766-02 Synthesis and mechanisms of membrane-active drugs
- P01HL-15832-02 0006 Chemical predispositions to lung injury - Elastin and collagen in lung (human, mammals)
- R01HL-15963-01 Lipid metabolism—Plasma and membrane lipoproteins (human)
- P01HL-16251-01 0011 Membrane-bound enzymes in heart and other tissues - Membrane phospholipids on kinetics of membrane bound enzymes (rats)
- ** P01HL-16251-01 0012 Membrane-bound enzymes in heart and other tissues - Chemical, physical basis for protein-lipid interactions in microsomal membranes
- ** P01HL-16251-01 0013 Membrane-bound enzymes in heart and other tissues - Functional capacity of membrane-bound enzymes (rats, squirrels)
- R01HL-16657-01 Innervation of coronary arteries and heart (cats, Aplysia)
- ** R01NS-03101-14 Phospholipids of the nervous system (animals)
- ** P01NS-03360-14 0046 Neurological clinical research center—Epilepsy - Biochemistry—Effects of diphenylhydantoin on membrane (barnacles)
- R01NS-09012-05 Microneurophysiology (animals)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
- ** ROINS-09228-02 Isolation of proteins from synaptic membranes (rabbits, cats)
- ROINS-10437-03 Assembly of cerebral myelin membranes (rats)
- POINS-10920-02 0001 Development and regeneration in the nervous system - Trophic effect of acetylcholine on developing muscle receptors (rat)
- NOINS-22330-02 Effects of lipids on human and bacterial cells
- ** P07RR-00015-12 0002 Medical school computer facility - X-ray diffraction analysis of natural and artificial membrane systems
- ** P07RR-00015-12 0103 Medical school computer facility - Analysis of fluorescence decay profiles in membranes
- MOIRR-00030-13 0112 General clinical research center - Membrane studies in myotonic dystrophy (human)
- P07RR-00639-01 0002 Interdepartmental NMR facility health center - Chemical basis of anesthesia
- ** P07RR-00639-01 0004 Interdepartmental NMR facility health center - Interactions between protein and lipids of membrane
- SOARR-06148-06 An interdisciplinary plan for the study of biological membranes

MEMBRANE, BASEMENT MEMBRANE

- ** POIAI-07007-09 0001 Immunopathologic studies - Structure of human GBM
- POIAI-07007-09 0005 Immunopathologic studies - Immunopathologic activation of neutrophils and platelets (rabbits, human)
- POIAI-07007-09 0019 Immunopathologic studies - Possible role of sensitized cells in renal disease (rats, cattle)
- ROIAI-10334-04 Nephritis immunopathology and renal transplants (human, rodents, sheep, monkeys)
- P15AI-10386-04 Investigations in bronchial asthma (human)
- ROIAI-10704-14 Childhood renal disease (human, swine, rodents)
- ** POIAM-03555-15 0006 Coordinated studies in rheumatic diseases - Collagen components of glomerular basement membrane
- ** ROIAM-04459-13 Glomerular membranes and streptococci (rabbits)
- ROIAM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
- POZAM-05577-13 0002 Clinical research unit in rheumatic diseases - Delayed hypersensitivity in vitro (guinea pigs, human)
- ROIAM-12064-08 Regeneration and basic responses of the nephron (rabbits)
- ROIAM-13132-05 Ultrastructural basis of glomerular permeability (rats, mice)
- ROIAM-13476-05 Mechanisms of transport in isolated kidney tubules (human, rabbits)
- ** ROIAM-13495-05 Glomerular pathology after partial nephrectomy (rats)
- ** ROIAM-13866-05 Basement membrane derangements in diabetes mellitus (human)
- ** POIAM-14526-05 0002 Biochemistry of connective tissue - Structure of basement membranes (human, dogs, rats, sheep)
- ROIAM-14610-04 Transport of macromolecules across cells and membranes (rabbits, rats)
- ROIAM-14622-05 Urinary screening assay to supplement renal biopsy (human)
- ** ROIAM-14805-05 Chemistry and metabolism of basement membranes (rats, mice, human)
- ** ROIAM-15112-04 The structure of basement membranes
- ** ROIAM-15314-03 Basement membrane metabolism in diabetes mellitus (rats, human)
- ** ROIAM-15394-04 Glycoprotein structure and metabolism in diabetes (rats)
- POIAM-15515-03 0003 Psoriasis biology, psoriogenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
- ** ROIAM-15663-03 Basement membrane-Structure, function, pathology (mice)
- ** ROIAM-16138-03 Basement membranes (dogs)
- ROIAM-16171-03 Factors regulating glomerular development and function (rats)
- POIAM-16392-02 0003 Immunologic mechanisms in renal disease in childhood - Electron microscopy of glomerular permeability (rats, rabbits)
- POIAM-16392-02 0005 Immunologic mechanisms in renal disease in childhood - Immune mechanisms in interstitial and tubular renal disease (human, guinea pigs)
- ROIAM-16534-02 Insulin metabolism in immune and non-immune subjects (human, animals)
- ROIAM-16593-01 Complement activation via the C3 shunt in skin disease
- ** POIAM-16716-01 0027 Pathophysiological bases of muscle diseases - Hormonal, biochemical and muscle capillary abnormalities in diabetes (human)
- ROIAM-16968-01 Analytic formulation of transport in single nephrons
- P17AM-17026-01 0042 Vanderbilt University Diabetes-Endocrinology Center - Diabetes and biosynthesis of collagen

- ** P17AM-17042-01 0002 Diabetes endocrinology research center - Biochemical basis of vascular lesions in diabetes (mammals)
- ROIAM-17196-02 Clinicopathologic and other studies on renal disease (human, rats)
- ** ROIAM-17325-02 The structure of glycoproteins (human, cattle, mollusks, annelids, rats, mice)
- ROIAM-17477-01 Biosynthesis of glycoproteins (rodents, cattle)
- ROIAM-17574-01 Fluxes across biomembranes and peptide hormone action (rats)
- ROIAM-17722-01 Immunologic mechanisms of glomerular injury (guinea pigs)
- ROIAM-17724-01 Normal and pathologic glomerular capillaries (rats)
- ROIAM-17797-01 The origin and formation of renal lymph (rats, dogs)
- ROICA-02075-20 Polysaccharides in neoplastic disease (human, cattle, rabbits)
- ** POICA-02357-20 0017 Autoimmune responses to normal and malignant tissues - Specificity and autoimmunogenicity of renal glomerular basement membrane
- ROICA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- ROICA-12028-04 National surgical adjuvant breast project
- POZCA-13696-02 0066 Clinical cancer research center - Electron microscopy studies of normal and abnormal tissues (human)
- ** ROICA-14797-01 Epithelial basement membrane components (mice)
- ** POICA-15823-01 0005 Program in developmental biology of cancer - Lysis of basement membranes in neoplastic tissues (mice)
- ROICA-15834-01 Vinblastine effects on cell structure and function (fish)
- ** R23DE-03486-03 Growing capillaries-Basal lamina and permeability (guinea pigs)
- ** NOIDE-42441-00 Nutrition on the epithelium of oral mucous membranes (primates)
- ** NOIDE-42442-00 Nutrition on the epithelium of oral mucous membranes
- ROIES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
- P15EY-00338-09 0003 A study of macular disease - Drusen and senile disciform macular degeneration
- POIGM-19443-03 0001 Problems in clinical genetics - Hereditary nephritis
- ** NOIHE-42983-01 Interaction of basement membrane with platelets
- ROIHO-00630-11 New experimental methods of teratogenesis (rats, monkeys)
- ROIHO-03752-05 0007 Mammalian reproduction - Fine structure of the developing sex cords (human, rats)
- ** ROIHO-03752-05 0016 Mammalian reproduction - Localization of trypsin in rabbit corpora lutea
- POIHO-08338-01 0004 Control of male reproduction - Hormonal control of spermatogenesis in vitro (rats)
- ** POIHM-03174-19 0004 Mechanisms of acute vascular reaction to injury - Structure and chemical composition of human glomerular basement membrane
- ** POIHL-03174-19 0005 Mechanisms of acute vascular reaction to injury - Glomerular basement membrane synthesis (primates, human, rats)
- ** POIHL-03174-19 0007 Mechanisms of acute vascular reaction to injury - Basement lamina-function in vascular tissue maintenance and repair (rabbits)
- ** POIHL-06285-14 0149 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in prediabetic and diabetic subjects
- ** POIHL-06285-14 0150 Cardiovascular-respiratory physiology and biochemistry - Basement membrane width in non-diabetic hyperglycemia
- ** POIHL-06285-14 0151 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in diabetic children and glucose tolerance
- ** POIHL-06285-14 0152 Cardiovascular-respiratory physiology and biochemistry - Diabetic microangiopathy by organ and tissue culture (human)
- ROIHL-08251-11 0003 Pathophysiology of vascular injury - Glomerular and vascular permeability (mice, rats)
- POIHL-08805-10 0026 Cardiovascular and pulmonary performance - Hypoxic pulmonary edema (rodents)
- ROIHL-12147-07 Histochemistry of early arteriosclerotic lesions
- ROIHL-12147-07 0002 Histochemistry of early arteriosclerotic lesions - Fluorescent brightening agents
- ROIHL-13389-04 Specificity of human nephrotic antigens (rodents)
- ROIHL-13632-04 Vascular changes in diabetes mellitus (human)
- ** ROIHL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
- P17HL-14197-04 0004 Center of research on arteriosclerosis - Aortic wall metabolism and experimental arteriosclerosis (dogs, swine)
- ROIHL-14399-03 Lung collagen and elastin (guinea pigs)
- ** P17HL-15088-03 0009 Diffuse granulomatous and fibrotic pulmonary disease - Biochemistry and immunocytochemistry of human lung basement membrane (also rabbits)

- ROIHL-16385-01 Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog)
- ROINS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- MOIRR-00030-13 0024 General clinical research center - Membranes glomerulopathy (human)
- ** MOIRR-00036-14 0150 General clinical research center - Factors contributing to muscle capillary basement membrane thickness (human)
- MOIRR-00036-14 0184 General clinical research center - Genetic of diabetes (human)
- #### MEMBRANE, BRUSH BORDER MEMBRANES
- ROIAI-05691-19 Antibody production (mice, guinea pigs)
- P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
- ROIAM-00668-20 Calcium and phosphate transport (rats)
- ROIAM-01483-18 Transport of calcium (human, hamsters, rats)
- ROIAM-02534-16 Small intestinal absorption in malabsorption syndromes (rats)
- POZAM-04501-13 0009 Metabolic disease research center - Vitamin D deficiency and membrane glycoproteins synthesis
- ROIAM-06879-12 Phlorizin inhibition of sugar transport (rats, human)
- ROIAM-07998-10 Mechanism of sugar transport by the small intestine (rodents, birds, fish)
- ROIAM-09012-10 Studies on vitamin D and calcium metabolism (human, animals)
- ** POIAM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- ** ROIAM-10696-08 Brush border phase of digestive-absorptive function (human, animals)
- ROIAM-10894-08 0005 Genetic metabolic diseases of infancy and childhood - Uptake and binding of amino acids by brush border membranes (rats, rabbits)
- ROIAM-12028-08 Ion transport across epithelial membranes (frogs, toads, rabbits)
- ROIAM-12619-07 Active sugar transport in renal cells (rats, rabbits)
- ROIAM-13150-07 Enzyme interactions in metabolic regulation (kidney-swine, rats)
- ROIAM-13927-05 Intestinal mucosal function in diabetes (human, rats)
- ROIAM-14038-05 Intestinal protein metabolism and function (human, rats)
- ROIAM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- ROIAM-14686-04 Intestinal calcium transport (human, rats)
- ROIAM-15119-04 Intestinal peptidases-Properties and functions (rats, human)
- ROIAM-15745-02 Amino acid transport systems in intestine (chickens)
- ROIAM-15802-02 Small intestinal oligopeptidases in digestion (human, rats)
- ROIAM-15861-03 Intestinal transport of dipeptides in man
- ROIAM-16275-02 Ion transport by mammalian small intestine (rabbits)
- ROIAM-16601-01 Intestinal lipid absorption
- ** ROIAM-17092-01 Influence of stress on gastric mucosal energy metabolism (rabbits, rats)
- ROIAM-17414-01 Molecular aspects of NA-coupled transport
- ROIAM-17509-01 Binding and transport functions of intestinal microvilli (hamsters, rats, dogs)
- ROIAM-17684-01 Pathogenesis of colic sprue and regional enteritis (human)
- ** ROIAM-17750-01 Functional organization of the intestinal brush border (guinea pigs, mammals)
- POIHO-02147-08 0004 Extracellular growth and development - Intestine (human, mice)
- ROIHL-02033-20 Regulation of cholesterol esters in blood and tissues (dog, rat, cattle, human)
- ROIHL-09610-10 0003 Control of cholesterol metabolism-Bile acid transport - Isolation of bile acid carrier
- #### MEMBRANE, MUCOUS MEMBRANE
- SEE ALSO GASTROINTESTINAL SYSTEM, GASTRIC MUCOSA
- SEE ALSO GASTROINTESTINAL SYSTEM, INTESTINAL MUCOSA
- ROIAM-17414-01 Molecular aspects of NA-coupled transport
- ROIAM-17591-01 Mucosal resistance as a factor in gastric diseases (dogs, monkeys)
- POICA-04486-15 Pathology of the digestive tract mucous membrane
- POZCA-05826-13 0053 Clinical cancer research center - Human growth hormone in controlling massive hemorrhage from stress erosions
- POZCA-05826-13 0062 Clinical cancer research center - Gastrointestinal mucosa in premalignant and malignant states
- POICA-08748-09 5803 Research program of Sloan-Kettering Institute - Enzyme activities in intestinal mucosa in malignant transformation (rats, human)
- #### MEMBRANE, MULTILAYER MEMBRANES
- ROICA-10337-08 0006 Spin labeling and membrane structure - Structure of cytochrome oxidase-phospholipid membranous vesicles

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIES-00937-01 Pesticides and transport across bilayer lipid membranes
 ROIEY-00548-04 Role of macromolecules in photoreceptor membranes
 ** RO1GM-14628-09 Phospholipid bilayer membranes (bacteria, mammals non-human)
 ** RO1GM-14971-08 Bimolecular (bilayer) lipid membranes in aqueous media
 RO1GM-16922-06 Cholesteric biopolymer liquid crystals
 ** RO1GM-17452-04 Phospholipid vesicles as model for biological membranes
 ** RO1GM-18697-03 Lipid-protein interaction studies on model membranes (bacteria)
 ** RO1GM-18721-03 Molecular mechanisms in lipid bilayers (fish)
 RO1GM-19035-03 NMR investigations of polyene-perturbed membranes
 ** RO1GM-19631-11 Reaction kinetics at amphipathic surfaces
 ** RO1GM-19886-01 Surface asymmetry and ionic transport in lipid bilayers
 RO1GM-20729-01 Photobiological systems and membrane interfaces
 RO1GM-21128-01 Biomembrane transitions-Density measurements
 ** RO1GM-21149-01 Electronic and Raman spectral studies of membranes
 ** PO1HL-06285-14 0210 Cardiovascular-respiratory physiology and biochemistry - Physicochemical and enzymatic studies of lung surfactant (Halobacterium)
 RO1HL-12760-05 Surface studies of membrane lipids
 RO1HL-16660-03 Cholesterol and other lipids in membrane function (protosoa)
 RO1NS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
 RO1NS-10837-01 Model studies of myelin stability
- MEMBRANE, PROSTHETIC MEMBRANES**
 SEE ALSO RESPIRATORY SYSTEM PROSTHESIS, PROSTHETIC LUNG
- ** NO1AM-02106-10 Clinical evaluation of polycarbonate membranes for hemodialysis
 RO1AM-02493-16 Purification and structure of active principles
 RO1AM-05865-11 Ion transport across biological membranes (frogs)
 RO1AM-15771-03 An extracorporeal device to perform liver functions (rats)
 ** RO1AM-16802-01 A third generation artificial kidney (dogs, cattle, human)
 ** NO1AM-22221-03 Membranes and materials evaluation
 ** NO1AM-71160-15 Membrane structure concept for application in hemodialysis
 NO1AM-80709-09 Synthetic polypeptides as hemodialysis membranes (human, animals)
 ** RO1CA-10337-08 Spin labelling and membrane structure
 RO1CA-13784-02 Effect of cocarcinogens on cellular membranes
 ROIEY-01323-01 Mechanism of visual excitation (cattle)
 RO1GM-15152-07 Permeability of membranes
 RO1GM-16256-07 Separation of blood serum proteins by ultrafiltration (human)
 RO1GM-18698-03 NMR studies of membrane transport and components (bacteria)
 ** RO1GM-18921-03 Phospholipid-protein interactions and membrane function
 ** NO1HB-12364-05 Provide ultrathin membranes for evaluation in blood oxygenators
 ** NO1HB-32910-03 Coordinated studies of platelet and protein reactions on artificial materials
 NO1HB-32914-03 Development of blood and tissue compatible materials
 NO1HB-32916-02 Materials development and testing
 NO1HB-32919-03 Material development and testing heparinization processes
 RO1HL-01253-22 Electrical and acoustic properties of biological materials
 PO1HL-06308-14 0004 Mechanisms and therapy of circulatory disease - Molecular structure of biochemical regulators
 RO1HL-10781-08 Physiology of human heart lung bypass (dogs)
 RO1HL-12342-06 Prostaglandins in vascular homeostasis (dogs, rats)
 ** RO1HL-12528-06 NMR relaxation of liquid crystal systems
 ** PO1HL-14322-03 0006 Interdisciplinary program in biomaterials science - Transport mechanisms in synthetic membranes and biologic tissues (frogs, toads)
 ** PO1HL-14322-03 0011 Interdisciplinary program in biomaterials science - Blood oxygenation synthetic membranes and liquid-liquid surfaces (sheep)
 RO1HL-14508-06 Structure and function of respiratory hemoproteins
 RO1HL-15873-02 Respiratory assist (human, dogs, cattle, sheep)
 PO1HL-16851-01 0003 Human red cell membrane in health and disease - Modeling membrane mechanics and blood rheology
 NO1HV-81387-13 Development and evaluation of new or improved oxygenators (mammals nonhuman)
- RO1NS-09931-05 Ion permeation through carriers, channels and nerve
 PO1NS-10299-03 0006 Biophysical and biochemical studies of cellular membranes - Protein-lipid interactions in model membrane systems
 ** RO1NS-12286-03 Study materials in conjunction with a sensory prosthesis (cats)
- MEMBRANE OXYGENATORS, BLOOD**
 SEE CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, BLOOD OXYGENATORS
- MEMBRANE PERMEABILITY AND TRANSPORT**
 SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
- MEMBRANE POTENTIALS**
 SEE ELECTROPOTENTIALS, MEMBRANE POTENTIALS
- MEMBRANE SYNTHESIS AND RECONSTITUTION**
 ** RO1AM-05600-12 Myoviruses-Structure, replication, membrane interactions
 ** RO1AI-10862-03 Genetic studies in E coli involving mutant isolation
 RO1AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
 ** RO1AM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)
 RO1AM-05472-13 Lipid transport into cells (human, toads, bacteria)
 ** RO1AM-11789-07 Active transport and membrane enzymes (bacteria)
 RO1AM-13376-06 Identification and isolation of sugar transport carrier (humans, swine, rabbits)
 RO1AM-13620-06 Biosynthesis of liver proteins by ribosomes (rats)
 RO1AM-14632-11 Membranes and organelles-Structure and function (human, rats)
 RO1AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
 ** RO1AM-16138-03 Basement membranes (dogs)
 ** RO1AM-16842-01 Biosynthesis of red cell membrane proteins (rabbits)
 RO1AM-17223-01 Role of Golgi apparatus in kidney cells (rats)
 RO1AM-17476-01 Physiologic regulation of lipid metabolism (rats)
 RO1AM-17742-01 Role of glycoproteins in pancreatic secretion (rats, dogs)
 RO1CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
 PO2CA-08480-09 0027 Childhood cancer research center - Role of phospholipids in function of biological membranes (mammals)
 ** RO1CA-08964-08 Energy metabolism in normal and tumor cells (cattle, plants, microorganisms)
 RO1CA-12467-04 Early cell-surface changes in oncogenesis (chick embryo, viruses)
 ** PO1CA-13038-03 0066 Experimental therapeutics and cancer drug program - Incorporation of plasma membrane precursors
 RO1CA-13061-03 Problems of membrane biology and oncogenesis
 RO1CA-13145-03 Glycolipid metabolism and tumorigenesis (human, mammals, birds, fish)
 RO1CA-13202-03 Virus structure and assembly
 ** RO1CA-13220-03 Membrane biochemistry of neoplastic cells
 ** RO1CA-13220-03 0003 Membrane biochemistry of neoplastic cells - Synthesis and degradation of surface membranes
 ** RO1CA-13402-03 Surface membranes in normal and cancer cells (human)
 ** RO1CA-13538-03 Neuroblastoma model of benign-malignant neoplasm phases (mice)
 ** RO1CA-14345-01 Membrane turnover and repair in normal and malignant cells (toads, mammals)
 RO1CA-15047-01 O-alkyl lipids in surface membranes of tumor cells (rats, dogs, human)
 RO1CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
 ** RO1CA-15370-01 Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
 PO1CA-15655-01 0028 Cancer center support grant - Orientation of coupling factors (mammals)
 ** RO1CA-16927-01 Membrane lipids in neuroblastoma differentiation (mice)
 ** RO1CA-16961-01 Membrane biosynthesis in normal and neoplastic cells (mouse myeloma)
 NO1CF-45611-00 Characterization and study of transport systems in neoplastic cells (mammals)
 POIES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)
 ROIEY-00729-04 Molecular basis of membrane excitation (model system, cattle)
 ROIEY-00871-43 Retina-The metabolism of polyunsaturated fatty acids (rats)
 ** ROIEY-01406-01 Retina-Photoreceptor membrane synthesis and function (human, frogs, fish)
- RO1GM-06637-15 Support of central laboratory for electron microscopy (biology)
 RO1GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
 RO1GM-11214-11 Structure and function of membranes in nitrifying bacteria
 RO1GM-12228-11 Biosynthesis of respiratory enzymes (fungi)
 PO1GM-12847-10 0020 Molecular biology of membrane systems - Fusion of biological membranes
 ** RO1GM-14582-08 Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters)
 RO1GM-14971-08 Bimolecular (bilayer) lipid membranes in aqueous media
 RO1GM-15508-07 0001 Cell regulation and fetal proteins in neoplasia - Regulation of alkaline phosphatase (HeLa cells)
 RO1GM-15837-07 Structure and function of lipids in the cell membrane (viruses, bacteria)
 RO1GM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
 RO1GM-16754-06 Fine structure and composition of membranes (bacteria)
 PO1GM-17184-05 0011 Hereditary variations in man which modify drug toxicity - Ascorbic acid and drug metabolism (guinea pigs)
 RO1GM-17724-04 Plasma membrane structure, function and biogenesis (rats)
 ** RO1GM-17773-04 Membrane formation in cytodifferentiation (rat pancreas)
 ** RO1GM-18405-04 0001 Regulation and mechanism of cell surface synthesis - Cell wall assembly and degradation during cell cycle (Gram positive bacteria)
 ** RO1GM-18539-03 Membrane biogenesis and function (bacteria, chick embryo)
 ** RO1GM-18697-03 Lipid-protein interaction studies on model membranes (bacteria)
 RO1GM-18698-03 NMR studies of membrane transport and components (bacteria)
 RO1GM-18921-03 Phospholipid-protein interactions and membrane function
 RO1GM-18970-03 Microsomal membrane enzymes-isolation and reassembly (chickens)
 RO1GM-19097-03 Membrane structural protein of vesicular stomatitis virus
 PO1GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycomycetes (Blastocystis emersonii)
 PO1GM-19100-03 0029 Genetics research center - Yeast genetics
 RO1GM-19198-01 Active transport mechanisms in normal and tumor cells (bacteria, cell lines)
 ** RO1GM-19388-03 Chemical and immunological studies of membrane ATPase (Bacillus megaterium)
 ** RO1GM-19394-02 Membrane bound and soluble glycolytic enzymes (human, rabbit)
 ** RO1GM-19410-03 Molecular genetics of membrane assembly in Neurospora
 RO1GM-19636-02 Subcellular respiratory functions of cardiac muscle (cattle)
 RO1GM-19699-03 Membrane structure and function (rats)
 ** RO1GM-19808-02 Biosynthesis of cell-membrane saccharides (bacteria, human, mammalian subhuman)
 ** RO1GM-19822-15 Metabolism and function of complex lipids (E coli)
 RO1GM-19937-02 Genic/molecular basis of imaginal disc morphogenesis (Drosophila)
 ** RO1GM-20001-02 Biogenesis of cellular membranes (rats, ducks)
 ** RO1GM-20015-01 Regulation of membrane phospholipid synthesis (E coli)
 ** RO1GM-20148-01 Biochemistry of membrane assembly and stability (Tetrahymena)
 ** RO1HD-01689-09 Biogenesis of intracellular membranes (rats, algae, bacteria)
 PO1HD-05970-03 0001 Metabolic and molecular changes in aging - Mitochondrial reactions in senescence (rats, flies)
 RO1HD-06856-02 Developmental aspects of cell surfaces (chick embryo)
 RO1HD-07137-01 Contact behavior of developing and transformed cells (mice, fundulus)
 ** PO1HD-07328-01 0084 Experimental and theoretical studies of cell senescence - Artificial membranes (Ameba cell components)
 RO1HL-08953-10 Interactions between biological macromolecules (human, rats)
 RO1HL-12710-05 Fine structure of serum lipoproteins (pigs, human)
 ** RO1HL-13003-05 Assembly of membranes in heart and yeast mitochondria
 RO1HL-16507-01 Heart cell interactions and cell junction biogenesis (mice, rats, rabbits)
 RO1NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
 RO1NS-09985-03 Isolation and reconstitution of excitable membranes (cattle)
 ** RO1NS-10221-02 Biochemical aspects of myelination (rats, mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont)

ROINS-10442-03 Defective myelination—Role of lipid metabolism (rats)
 ROINS-11356-01 Purifying and reconstituting acetylcholine receptors (rats, electric fish)

MEMORY, BIOCHEMISTRY OF
 SEE PSYCHOLOGY, LEARNING, BIOCHEMISTRY

MEMORY, PHOTOGRAPHIC
 SEE SENSORY-PERCEPTUAL PROCESSES, IMAGERY, EIDETIC

MEMORY DISORDERS
 SEE PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, MEMORY DISORDERS

MEMORY PEPTIDES
 SEE PSYCHOLOGY, LEARNING, BIOCHEMISTRY, MEMORY PEPTIDES

MEMORY-RETENTION
 SEE PSYCHOLOGY, LEARNING, MEMORY

MENADIONE
 SEE VITAMIN K3

MENGO VIRUS
 SEE VIRUSES, PICORNAVIRUSES, EMC GROUP, MENGO VIRUS

MEMIERE'S SYNDROME
 SEE EAR DISORDERS, LABYRINTH DISORDERS, MEMIERE'S SYNDROME

MENINGEAL HEMORRHAGES
 SEE CEREBROVASCULAR DISORDERS, MENINGEAL HEMORRHAGES

MENINGES
 SEE NERVOUS SYSTEM CENTRAL, MENINGES

MENINGIOMA
 SEE NERVOUS NEOPLASMS, MENINGIOMA

MENINGITIS (GENERAL)
 SEE NERVOUS DISORDERS CENTRAL, MENINGITIS (GENERAL)

MENINGITIS BACTERIAL
 SEE NERVOUS DISORDERS CENTRAL, MENINGITIS BACTERIAL

MENINGITIS VIRAL
 SEE NERVOUS DISORDERS CENTRAL, MENINGITIS VIRAL

MENINGOCELE, SPINAL
 SEE CONGENITAL ABNORMALITIES, FUSION FAILURES, MENINGOMYELOCELE

MENINGOCOCCAL VACCINES
 SEE VACCINES, BACTERIAL, MENINGOCOCCAL VACCINES

MENINGOCOCCUS
 SEE BACTERIA, NEISSERIACEAE, NEISSERIA MENINGITIDIS*

MENINGOENCEPHALITIS EOSINOPHILIC
 SEE NERVOUS DISORDERS CENTRAL, MENINGOENCEPHALITIS EOSINOPHILIC

MENINGOMYELOCELE
 SEE CONGENITAL ABNORMALITIES, FUSION FAILURES, MENINGOMYELOCELE

MENINGOPNEUMONITIS AGENT
 SEE BEDSONIA, MENINGOPNEUMONITIS AGENT

MENKES' KINKY HAIR SYNDROME
 SEE METABOLIC DISORDERS INBORN, KINKY HAIR SYNDROME

MENNONITES
 SEE SOCIAL GROUPS, RELIGIOUS, MENNONITES

MENOPAUSE
 SEE FERTILITY, SEX CYCLES, MENOPAUSE

MENOTROPINS
 SEE PITUITARY-DIENCEPHALON HORMONES, FSH

MENSTRUATION AND MENSTRUAL CYCLE
 SEE FERTILITY, SEX CYCLES, MENSTRUATION

MENSTRUATION DISORDERS
 SEE FERTILITY, SEX CYCLES, MENSTRUATION DISORDERS

MENTAL AGE
 SEE PSYCHOLOGICAL TESTS, INTELLIGENCE TESTS*

MENTAL DEFICIENCY
 SEE MENTAL RETARDATION

MENTAL DISORDERS
 SEE PSYCHOLOGY ABNORMAL, MENTAL DISORDERS (GENERAL)

MENTAL DISORDERS CHEMOTHERAPY
 SEE PSYCHOLOGY ABNORMAL, MENTAL DISORDERS CHEMOTHERAPY

MENTAL FATIGUE
 SEE PSYCHOLOGY, MENTAL FATIGUE

MENTAL HEALTH

SEE ALSO ALCOHOLISM AND ALCOHOL PROBLEMS REVIEW COMMITTEE
 SEE ALSO BEHAVIORAL SCIENCES (DEVELOPMENTAL) STUDY SECTION
 SEE ALSO EPIDEMIOLOGIC STUDIES REVIEW COMMITTEE
 SEE ALSO EXPERIMENTAL PSYCHOLOGY RESEARCH REVIEW COMMITTEE
 SEE ALSO JUVENILE PROBLEMS RESEARCH REVIEW COMMITTEE
 SEE ALSO METROPOLITAN MENTAL HEALTH PROBLEMS REVIEW COMMITTEE
 SEE ALSO NARCOTIC ADDICTION AND DRUG ABUSE REVIEW COMMITTEE
 SEE ALSO PERSONALITY AND COGNITION RESEARCH REVIEW COMMITTEE
 SEE ALSO PSYCHIATRY
 SEE ALSO PSYCHOLOGY (SEE ALSO SOC...)

NOIAM-22211-03 Neurobehavioral and clinical responses to hemodialysis

** ROIDA-00787-01 Mental health and drug use in adolescence

ROIGM-20602-01 Synthesis of potential new psychoactive molecules

** POIHD-04510-06 0003 Center for research in human development - Center for community studies

PIBHL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)

ROIHS-00368-12 Human population laboratory for epidemiologic studies

ROIHS-00903-03 The effects of medically orientated housing

** GOBLM-01846-02 Medical library resource project support (medical center)

** NOIMH-10032-00 Field test of an epidemiologic assessment of community mental health

NOIMH-10067-05 Provide mental health documents including drug abuse

** POIMH-13369-07 Program for research in psychiatric sociology

** ROIMH-15708-05 Leisure and mental health—Cultural and age factors

** ROIMH-18135-04 Self-image and family dynamics in transplantation (human)

** POIMH-19871-03 National consortium for humanizing education

** NOIMH-20106-03 Evaluate automated clinical record systems for psychiatric patients

** NOIMH-20125-00 Development and design of discussion guides (human)

NOIMH-20158-00 Training project in mental health aspects in nursing homes

** NOIMH-20159-00 Abstract and index 15,000 documents

** NOIMH-20224-00 Effect of ethnocultural variations on mental health and psychopathology

** ROIMH-20681-02 Community mental health epidemiology—Nashville, Tennessee

ROIMH-21146-03 Stepfathers and the mental health of their children

ROIMH-21196-03 Cultural indicators

** ROIMH-21415-01 Mental health and poor families

communications

ROIMH-22575-01 Divorce, role and health status and service systems

** ROIMH-22590-02 Impact of instruction and counseling of youth

** ROIMH-22682-03 Demonstration—Mental Health Program—Jr High Schools

ROIMH-22923-03 Correlates of success in experimental college

ROIMH-23451-01 A program for education in human behavior

** R12MH-24311-01 The problem-oriented record in mental health care

** RO3MH-24621-01 Normative and descriptive aspects of mental health

ROIMH-24656-01 The psychology of Black Gangs—Mental illness or mental health

ROIMH-24690-01 Annals of black psychiatry

** ROIMH-24787-01 Research review of black mental health—Mental illness

ROIMH-24795-01 Household settings—Life styles and mental health

** ROIMH-24947-01 Child mental health in alternative family styles

** RO3MH-25053-01 Lay conceptions of people who need mental health care

RO3MH-25067-01 Pilot study of experienced life course (human)

** ROIMH-25091-02 Circadian phase shifts and mental health (rats)

ROIMH-25279-01 Life change events, risk factors and chronic disease

ROIMH-25438-01 Talent in interpersonal exploration groups (human)

** ROIMH-25551-01 Mental health R and D center in black communities

** R13MH-25786-01 Miniconsultation on the mental and physical health of black women

** ROIMH-25996-01 Unseen community—Marginal urban population

** NOIMH-30079-00 Abstract, lay and proof 2,400 mental health project grants

** NOIMH-30166-00 Interdisciplinary conference on health care delivery to adolescents

NOIMH-30187-00 Editing services for journal

NOIMH-30202-00 Survey on occupational conditions

** NOIMH-30240-00 Mental health legislation guide

** NOIMH-40002-00 Technical reports on NIMH research programs and projects

NOIMH-40016-00 Study on literature acquisition

** NOIMH-40039-00 Abstract and index 30,000 documents in the general field of mental health

** NOIMH-40044-00 Institutional change in regard to racial minority and women in NIMH

** NOIMH-40045-00 Development of research design of information systems

** NOIMH-40056-00 Survey of child abuse and neglect service programs

** NOIMH-40057-00 Feasibility study of mental health services

** NOIMH-40056-00 Citation counts to measure research grant output

** NOIMH-40060-00 Improving and integrating mental health, alcohol and drug

NOIMH-40061-00 Update information concerning insurance coverage and psychiatric care

** NOIMH-40060-00 Criminal justice and community care in mental health, alcohol and drug abuse

** NOIMH-40072-00 Readership survey of administration in mental health

** NOIMH-40044-00 A national conference—An institute on education for mental health administration

** NOIMH-40089-00 Swedish health services

** NOIMH-30081-07 Preparation of a handbook of evaluation research

** SOIRR-05555-12 General research support (mental health)

SOIRR-05628-04 General research support (mental science institute)

** SOIRR-05748-02 General research support (mental hygiene)

MENTAL HEALTH ASSOCIATION

SEE MENTAL HEALTH ORGANIZATIONS

MENTAL HEALTH CENTERS

SEE MENTAL HEALTH FACILITIES, MENTAL HEALTH CENTERS

MENTAL HEALTH CLINICAL PROJECTS RESEARCH REVIEW COMMITTEE

M ROIMH-04151-14 Psychology and physiology of sleep

ROIMH-04618-12 Psychotherapy of psychiatric outpatients

** ROIMH-05683-12 Childhood psychopathology process and overt symptomatology

ROIMH-08744-10 Coping behavior in schizophrenia

R12MH-09191-11 Diagnosis of mental disorder in U S and U K

** R12MH-09252-07 Serological fractions in schizophrenics and controls (human, primates, rats)

** ROIMH-10993-10 Fear modification and learned autonomic control (human)

ROIMH-11299-10 Emotion and pulmonary function in asthma (human)

** ROIMH-11440-07 Experimental studies in childhood schizophrenia

** ROIMH-11547-06 Parental factors and schizophrenia

ROIMH-11976-10 Communication through nonverbal behavior

ROIMH-12043-07 Influence of parental psychosis on child development

** ROIMH-12507-09 Electrophysiological studies of psychiatric disorder

** ROIMH-12756-07 Psychiatric aspects of coronary artery revascularization (human)

** ROIMH-12888-08 Children with learning disabilities—A follow-up

ROIMH-13915-05 Modification of defenses in psychoanalysis (human)

** ROIMH-14360-07 Psychoendocrine correlates in schizophrenia (rats)

ROIMH-14383-05 Altered clinical states

ROIMH-14395-05 Self-regulation training for under-controlled children

ROIMH-15442-06 Factors influencing outcomes of psychotherapy (human)

M ROIMH-15976-05 Stress and mechanisms of immunity

** ROIMH-16080-06 Ego development and the provenance of thought

M ROIMH-16127-06 Muscle enzyme release in the acute psychoses

** ROIMH-16544-04 Neonatal factors in serious mental disorder (human)

ROIMH-16960-06 Quantitative analysis of sleep EEG's and EOG's (human)

** ROIMH-17039-05 Psychophysiological studies in hyperactive children

** ROIMH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)

** ROIMH-18070-05 Experimental depression induced in infant monkeys

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

** R01MH-18144-04 The varied response to mother-loss in two species (monkeys)
 R01MH-18332-05 Temporal organization in behavior and development (human)
 ** R01MH-18354-04 Attention of deficits in subvarieties of schizophrenia
 R01MH-18391-04 Sleep psychophysiology and psychopathology (human)
 ** R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
 ** R01MH-18422-04 Psychoacoustic research in psychopathology (human)
 ** R01MH-18438-05 Etiology and prognosis in childhood psychosis (human)
 R01MH-18446-03 Outcome of crisis intervention treatment
 R01MH-18457-02 Offspring of psychotic women (Sweden)
 ** R01MH-19156-04 The nature of hypnosis (human)
 ** R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 R01MH-19560-04 Prospective study of children of schizophrenic parents
 ** R01MH-19649-03 The impact of mental illness on the family (human)
 R01MH-19784-02 Depression-A clinical-research approach
 R01MH-19849-02 Learned control of EEG theta activity (human)
 ** R01MH-19884-03 Treatment of asthma by behavior therapy
 R01MH-19972-04 Blind psychiatric family and follow-up study
 ** R12MH-20123-03 Community alternatives for treatment of schizophrenia
 R01MH-20245-03 Transactional analysis of families of schizophrenics
 ** R01MH-20258-03 Modification of deviant behavior
 ** R01MH-20369-03 Effectiveness of individual psychotherapy
 ** R01MH-20593-03 Short versus long hospitalization- A controlled study
 ** R01MH-20712-03 Adoption studies on affective disorder (human)
 R01MH-20922-04 Training parents in management of antisocial boys
 ** R01MH-21044-04 Reproductive endocrinology of depression
 ** R01MH-21144-03 Treatment of asthma through conditioning
 ** R01MH-21145-02 Adjustment of children of schizophrenic parents
 ** R01MH-21275-02 Pathologic and adaptive response to human sleep loss
 ** R01MH-21336-03 Families of children with psychosomatic problems
 ** R01MH-21350-01 Circadian rhythm uncoupling and affect disease
 ** R01MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams
 ** R01MH-21803-02 Behavioral treatment of childhood gender problems
 ** R01MH-21892-02 Biochemical studies of depression in primate models
 ** R01MH-21989-03 Studies of psychological differentiation (human)
 ** R01MH-22319-02 External and internal factors in feed regulation
 ** R01MH-22438-02 The GABA system in schizophrenia (Drosophila, mice, human)
 R01MH-22749-02 Patient-therapist interaction in psychoanalysis
 ** R01MH-22750-02 Modification of family interaction
 ** R01MH-22840-02 Deviant development of infants of schizophrenics
 ** R01MH-23441-01 Adult adjustment predicted from childhood assessment
 ** R01MH-23450-02 Preparatory training program for psychotherapy
 ** R01MH-23548-01 Immune concept of schizophrenia
 ** R01MH-23580-01 Cortisol excretion rates and stress in infants (human)
 ** R01MH-23628-02 Psychophysics of muscle tension in mental patients
 ** R01MH-23984-01 Schizophrenia and alpha-2-globulin chickens
 ** R01MH-24063-01 Effect of relaxation-mediation in early hypertension
 ** R01MH-24070-01 Biofeedback and habituation rates in chronic anxiety
 ** R01MH-24104-02 Histamine metabolism in mental illness (human)
 ** R01MH-24105-01 Parameters of low-energy electroconvulsive therapy (human)
 ** R01MH-24165-01 Serum macromolecules in schizophrenia
 ** R01MH-24177-02 N-methylated indoleamines in schizophrenia (human)
 ** R01MH-24222-02 Behavior therapy and relaxation training in asthma (human)
 ** R01MH-24341-02 Cognitive response to psychological stress (human)
 M R01MH-24393-02 MHPG excretion, catecholamine metabolism, and depression
 ** R01MH-24477-01 Activity schedules in treatment of depression
 ** R01MH-24588-01 A genetic epidemiologic study of presenile dementia

** R01MH-24592-01 Models of madness in antiquity (Greece)
 ** R01MH-24600-01 Memory as affected by aging, disease and ECT (human)
 ** R01MH-24652-01 EEG sleep studies in relation to affective illness
 ** R01MH-24600-01 An optimum A-B scale of psychotherapist effectiveness
 ** R01MH-24600-01 Assessment of interpersonal behavior
 ** R01MH-24836-01 An outcome and process study of intensive therapy
 ** R01MH-24908-01 Schizophrenia and EEG signal analysis
 ** R01MH-25101-01 Therapy of anxiety-A new psychophysiological approach
 ** R01MH-25104-01 Raymond's disease-Behavioral analysis and treatment
 ** R01MH-25116-01 MAO, D&H and ATPase in psychosis (human)
 M R01MH-25133-02 Steroid hormones in depressive illness
 ** R01MH-25259-01 Orthomolecular psychiatry-Diagnosis and therapy
 ** R01MH-25295-01 Sympathetic and adrenocortical lability and illness (human)
 ** R01MH-25350-01 Learned control of acid secretions in ulcer patients
 ** R01MH-25435-01 The group of schizoaffective and related psychoses
 ** R01MH-25521-01 Genetics of manic depressive illness-Bipolar type
 ** R01MH-25546-01 Psychotherapy of depression-Computer outcome measures
 ** R01MH-25568-01 Clinical and experimental study of human obesity
 ** R01MH-25669-01 Neuropsychological studies in high risk children
 ** R01MH-25845-01 Sleep mentation and functional hemispheric asymmetry
 ** R01MH-25855-01 Proprioception and cognitive disorders in schizophrenia
 ** R01MH-25935-01 Social competence and behavior style in mental patients
 ** R01RS-10656-02 Stuttering-Behavior modification and biofeedback
 ** R01RS-12046-01 Stuttering-Behavior modification and biofeedback

MENTAL HEALTH CLINICS

SEE MENTAL HEALTH FACILITIES, MENTAL HEALTH OUTPATIENT FACILITIES

MENTAL HEALTH EPIDEMIOLOGY

SEE ALSO EPIDEMIOLOGIC STUDIES REVIEW COMMITTEE

R01DA-01054-01 Drug abuse among Indian adolescents
 R01DA-01061-01 Analysis of a three year adolescent drug-use survey
 P01DA-01073-01 Center, theoretical social research on drug abuse
 P01MH-16674-06 0039 A program of psychiatry-oriented biological research - Monozygotic concordance and heritability in schizophrenia
 R01MH-18438-05 Etiology and prognosis in childhood psychosis (human)
 ** R01MH-18819-04 Precursors of suicide and other premature deaths
 R01MH-19989-04 Classification and assessment of suicidal behaviors (human)
 R01MH-21811-01 Human predicaments and human services
 R01MH-24152-01 Epidemiology of and intervention for children at risk
 R01MH-25311-01 Gene-environment interactions and criminality

MENTAL HEALTH FACILITIES

SEE ALSO HEALTH CARE FACILITIES, FOSTER CARE
 SEE ALSO HEALTH CARE FACILITIES, SHELTERED EMPLOYMENT

SEE ALSO MENTAL RETARDATION FACILITIES

R18AA-00063-01 Alcoholism outreach program in Fairfax County, Virginia
 R18AA-00079-02 Community alcoholism services, poverty program
 ** R18AA-00080-02 Alcoholism rehabilitation services
 R18AA-00159-03 State occupational alcoholism service
 ** R18AA-00164-03 Alcoholism treatment-An interdisciplinary approach
 ** R18AA-00425-02 Plainfield Public Welfare Department
 R18AA-00462-01 Services for problem drinking drivers
 R18AA-00470-01 Services for problem drinking drivers
 ** R18AA-00479-03 Residential detoxification center for alcoholics
 ** R01AA-00498-03 0001 Clinical studies of alcohol use and abuse - Assessing psychotherapeutic and community environments
 R01AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs
 R18AA-00532-01 Metlakatla Indian community alcoholism services
 R18AA-00569-01 AIN DAH ING Community alcoholism services
 R18AA-00577-01 White earth reservation alcoholism program

R18AA-00599-01 Small city public inebriate program
 ** R18AA-00680-01 Quarter-house continuum care demonstration project
 R18AA-00687-01 Ino New-24 hour crisis intervention plan (Dolanum valley)
 R18AA-00677-01 Teller alcoholism service (Alaska)
 R18AA-00684-02 SRCAA community alcoholism services
 R18AA-00915-01 poverty program
 R18AA-00915-01 Kwothluk Village opposing alcohol use (Alaska)
 R18AA-00923-02 Little Crew alcoholic counseling and referral program
 R18AA-00951-01 Atkasut alcoholism project (Alaska)
 R18AA-00955-02 Burlington County alcoholism program and center
 R18AA-00967-01 Indian women alcoholism crisis center
 R18AA-01086-01 Little Diomed Island Coop and Project (Alaska)
 R18AA-01091-01 Day care center and/or community center (Alaska)
 R18AA-01099-01 Klawock alcohol abuse program (Alaska)
 R18AA-01102-01 Port Holden Village alcoholism service center (Alaska)
 R18AA-01103-01 Holy Cross City alcoholism service (Alaska)
 R18AA-01104-01 False pass alcoholism service (Alaska)
 R18AA-01105-01 Village alcoholism service (Alaska)
 R18AA-01116-01 Crooked Creek Village alcoholism service (Alaska)
 R18AA-01120-01 Alaska community alcoholism project (Alaska)
 R18AA-01123-01 Talatna Community Center (Alaska)
 R18AA-01124-01 Sazanam Village alcoholism service (Alaska)
 R18AA-01128-01 Emmonak alcoholism prevention service (Alaska)
 R18AA-01134-01 Kotik city alcoholism service
 R18AA-01151-01 Low income component of Spokane alcohol service system
 R18AA-01171-01 Hyدابurg Village alcoholism service
 ** R18AA-01173-01 Cheathbaluk alcoholism service (Alaska)
 ** R18AA-01174-01 Kasaah village alcoholism service (Alaska)
 R18AA-01246-01 Community alcoholism poverty program
 R18AA-01276-01 Alakanuk Village alcoholism program
 R18AA-01286-01 Wrangell AMB council on alcoholism
 R18AA-01296-01 Barrow council on alcoholism
 R18AA-01301-01 Noorvik council on alcoholism (Alaska)
 R18AA-01305-01 Buckland council on alcoholism (Alaska)
 R18AA-01307-01 Kivalina council on alcoholism (Alaska)
 R18AA-01309-01 EEK council on alcoholism (Alaska)
 R18AA-01310-01 Manley Hot Springs council on alcoholism (Alaska)
 R18AA-01311-01 Koyukuk alcoholism-Recreational program (Alaska)
 R18AA-01315-01 Nelato city council (Alaska)
 R18AA-01316-01 McGrath teen center (Alaska)
 R18AA-01317-01 Selawik council on alcoholism (Alaska)
 R18AA-01318-01 Beaver council on alcoholism (Alaska)
 R18AA-01319-01 Birch Creek recreation center (Alaska)
 R18AA-01320-01 Tunstutaliak Council on Alcoholism (Alaska)
 R18AA-01322-01 Ambler Council on Alcoholism (Alaska)
 R18AA-01324-01 Kaltag recreation program (Alaska)
 R18AA-01326-01 Village alcoholism service (Alaska)
 R18AA-01328-01 Haines alcoholism service (Alaska)
 R18AA-01333-01 Nightmute council on alcoholism (Alaska)
 R18AA-01335-01 Azachorok council on alcoholism (Alaska)
 R18AA-01338-01 Huslia native council (Alaska)
 R18AA-01339-01 Fairbanks native association council on alcoholism
 R18AA-01341-01 Aniak alcoholism alternates (Alaska)
 R18AA-01348-01 Old Harbor council on alcoholism (Alaska)
 R18AA-01355-01 Village corporation program (Alaska)
 ** R18AA-01356-01 UnAlaska council on alcoholism
 R18AA-01358-01 Shishmaref council on alcoholism (Alaska)
 R18AA-01359-01 Sunarit alcoholism program (Alaska)
 R18AA-01361-01 Unaikleet community development association (Alaska)
 R18AA-01363-01 Tetlin alcoholism program (Alaska)
 R18AA-01365-01 St Mary's Village alcoholism program
 R18AA-01369-01 Community center for alcoholism (Alaska)
 ** R18AA-01374-01 Tunuak council on alcoholism (Alaska)
 ** R18AA-01375-01 St George recreational program (Alaska)
 ** R18AA-01376-01 Lower Kotsikag Alaska Council on alcoholism
 ** R18AA-01377-01 Pilot Point community workshop (Alaska)
 ** R18AA-01378-01 Quimbagak Village alcoholism program (Alaska)
 ** R18AA-01379-01 Newhalon abuse center (Alaska)
 ** R18AA-01380-01 Sand Point recreation program (Alaska)
 ** R18AA-01381-01 Savoonga alcoholism program (Alaska)
 ** R18AA-01382-01 Nelson lagoon recreational program (Alaska)
 R18AA-01411-01 Phoenix urban Indian alcoholism program
 ** R18AA-01574-01 Bowers residents' committee ambulatory drop-in center
 R18AA-01642-01 Social Development center

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R18AA-01848-01 South Dakota state alcoholism education program
 R01AA-01853-01 Differential treatment of alcoholic subgroups
 N01DA-30050-00 Treatment of drug dependent persons
 N01DA-30087-03 Services to narcotic addicts
 N01DA-40183-00 Training and manpower development for drug treatment programs
 N01DA-40185-00 Training and manpower development for drug treatment programs
 N01DA-40186-00 Training and manpower development for drug treatment programs
 N01DA-40187-00 Training and manpower development for drug treatment programs
 ** N01DA-40201-00 Placement and treatment of neuropsychiatric patients
 G07LM-02392-01 Medical library resource improvement support (mental health center)
 ** R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 R01MH-17159-05 Intergovernmental relationships and consequences
 R12MH-19503-02 Output value analysis of a comprehensive mental health center
 N01MH-20106-03 Evaluate automated clinical record systems for psychiatric patients
 ** R01MH-20628-03 Controlled study of an anti-suicide program
 ** R01MH-20743-03 The child's creative learning space
 ** R01MH-21669-03 Quality evaluation of mental health services
 ** R01MH-22090-01 The mental health of Blacks and Asian Americans
 R12MH-22761-02 Mental health evaluations—Analysis and dissemination
 ** R01MH-23699-02 Model for urban/rural mental health system
 R01MH-24989-01 Asian American national mental health coalition
 ** R12MH-25121-01 Dissemination and utilization of information
 R01MH-25333-01 Evaluation of youth diversion in a small city
 ** R12MH-25619-01 A resource center for program evaluation
 R03MH-25879-01 Socio-psychological effects of an earthquake
 N01MH-30047-00 Provide treatment and rehabilitation for persons opiate-dependent
 ** N01MH-30152-00 Conference on psychiatric residential milieu
 ** N01MH-30179-00 Community mental health service evaluation procedures
 ** N01MH-30236-00 Review of NIMH pilot SPD effort in Ohio
 ** N01MH-30241-00 Study of private psychiatric facilities owned by chains
 N01MH-40018-00 Organization of mental health services in Detroit-Wayne County Michigan area
 N01MH-40027-00 Manpower development and utilization system for mental health services in Oregon
 ** N01MH-40029-00 Security and other special hospitals for mentally disordered offenders (human)
 N01MH-40041-00 Evaluation of mental health care in comprehensive health care settings
 ** N01MH-40055-00 Child mental health treatment service
 N01MH-40063-00 Youth runaway program
 N01MH-40066-00 Youth runaway program (assessment)
 N01MH-40075-00 Psychiatric care under prepaid health insurance
 ** N01MH-40077-00 Methodological study for long-term care
 ** N01MH-40081-00 Placement needs of state mental hospital patients
 ** N01MH-40090-00 Program evaluation in state mental health agency
 ** N01MH-40091-00 Evaluation of a prototype psychiatric PSRO
 N01MH-40094-00 Youth runaway program
 N01MH-40066-00 Youth runaway program
 N01MH-40099-00 Youth runaway program (demonstration)
 N01MH-40102-00 Youth runaway program
 N01MH-40103-00 Youth runaway program
 N01MH-40104-00 Youth runaway program
 N01MH-40106-00 Youth runaway program
 N01MH-40108-00 Youth runaway program
 N01MH-40109-00 Youth runaway program
 N01MH-40110-00 Youth runaway program
 N01MH-40111-00 Youth runaway program (documentation and assessment)
 N01MH-40112-00 Youth runaway program (assessment)
 N01MH-40113-00 Youth runaway program

MENTAL HEALTH FACILITIES, MENTAL HEALTH CENTERS

R18AA-00134-03 Indiana department of mental health division of alcoholism
 ** R18AA-00138-03 Comprehensive industrial alcoholism program
 R18AA-00151-03 Ohio occupational alcoholism program service
 ** R18AA-00169-03 Wazee Center Skid Row Community Demonstration Program

R18AA-00174-03 Services for problem drinking drivers
 ** R18AA-00430-03 Project catalyst
 R18AA-00453-03 Services for problem drinking drivers
 R18AA-00470-01 Services for problem drinking drivers
 R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
 R18AA-00535-03 Upper Tanana region alcohol and drug program
 R18AA-00547-03 Community alcoholism services Indian program
 R18AA-00602-01 Public inebriate service
 ** R18AA-00625-02 Three affiliated tribes alcoholism rehabilitation program
 ** R18AA-00670-02 Alcoholism rehabilitation program
 ** R18AA-00924-02 Center for drinking problem
 R18AA-01046-02 Community alcoholic rehabilitation program
 R18AA-01159-02 Comprehensive alcoholism project
 ** R01AA-01203-01 Testing an input-output model for NAAA treatment programs
 ** R18AA-01250-01 Metlakatla Indian community
 R18AA-01255-01 Evensville alcoholism service
 R18AA-01256-01 Twin Hills village alcoholism service (Alaska)
 R18AA-01250-01 St Michael recreational project
 R18AA-01261-01 Kayuk Community Building
 R18AA-01264-01 Alekiok alcoholism service (Alaska)
 R18AA-01276-01 Alakavuk Village alcoholism program
 R18AA-01264-01 Kipuk council on alcoholism
 R18AA-01285-01 Chevak council on alcoholism
 ** R18AA-01287-01 Pilot Station council on alcoholism
 ** R18AA-01288-01 Ouzieba deterrent program
 ** R18AA-01288-01 Grayling council on alcoholism
 ** R18AA-01290-01 Nihelai Village alcoholism program
 ** R18AA-01292-01 Hughes alcoholism program
 ** R18AA-01294-01 Dearing council on alcoholism
 ** R18AA-01295-01 Kabeuk council on alcoholism
 ** R18AA-01297-01 Shageluk recreational center
 ** R18AA-01298-01 Chalytshik Village ALCH program
 ** R18AA-01298-01 Brevig Mission recreation hall
 ** R18AA-01300-01 Cantwell council on alcoholism
 R18AA-01302-01 'Upper Kalslag' village council on alcoholism (Alaska)
 R18AA-01303-01 Tanana alcoholism program (Alaska)
 R18AA-01304-01 Cheforak council on alcoholism (Alaska)
 R18AA-01306-01 Nenana Community Alcoholism Center (Alaska)
 R18AA-01306-01 Circle Village Community Center (Alaska)
 R18AA-01312-01 Atmautluak Council on Alcoholism (Alaska)
 R18AA-01313-01 Bethel council on alcoholism (Alaska)
 R18AA-01314-01 Rampart village alcoholism program (Alaska)
 R18AA-01321-01 Noatak council on alcoholism (Alaska)
 R18AA-01323-01 Shungnak council on alcoholism (Alaska)
 R18AA-01329-01 St Paul family recreation center (Alaska)
 R18AA-01336-01 Kiava council on alcoholism (Alaska)
 R18AA-01342-01 Raby Native Council (Alaska)
 R18AA-01344-01 Healy Lake Village council (Alaska)
 R18AA-01347-01 Larsen Bay council on alcoholism (Alaska)
 R18AA-01357-01 Dillingham Awareness House (Alaska)
 R18AA-01360-01 Golovin city council (Alaska)
 R18AA-01362-01 Kotzebue council on alcoholism (Alaska)
 R18AA-01306-01 Napakiak Council on Alcoholism (Alaska)
 R18AA-01367-01 Village alcoholism program (Alaska)
 R18AA-01368-01 Chignik Village alcoholism service (Alaska)
 R18AA-01597-01 Untreated alcoholics—Casefinding, referral, service
 N01AA-40008-00 Follow-up study of alcoholism treatment center clients
 R25DA-00675-02 Metro drug awareness
 ** R25DA-00921-01 Center for youth drug prevention in Hunts Point
 ** P01DA-01073-01 Center, theoretical social research on drug abuse
 ** N01DA-30052-00 Treatment of drug dependent persons
 G07LM-01938-01 Medical library resource improvement support
 ** P01MH-08667-10 0006 A longitudinal epidemiology of impaired competence - Visually limited—Retarded study (human)
 R01MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
 R01MH-15867-05 Crisis intervention—Model for prevention (human)
 R01MH-16125-06 Family mental health—Diffusing community strategies
 ** R01MH-16129-05 Impact of outcome information on treatment
 R01MH-16789-04 Evaluation of a community mental health program
 ** R12MH-18995-04 Behavior modification applied to a mental health center
 R01MH-19463-03 A monitor service to families of the emotionally ill
 ** R12MH-19503-02 Output value analysis of a comprehensive mental health center

** P01MH-19966-03 0004 Psychiatric epidemiology research unit and two field studies - Dutchess County field station and population laboratory
 ** P01MH-19966-03 0006 Psychiatric epidemiology research unit and two field studies - Washington Heights field station
 P01MH-19966-03 0006 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome—Recovery determinants
 ** R01MH-20077-02 Psychiatric manpower in mental health centers
 N01MH-20181-00 Training program on cost analysis of community mental health centers
 ** N01MH-20212-01 Progress toward community mental health center program objective
 ** R01MH-20764-03 From need to service—A health center as gatekeeper (human)
 ** R01MH-20954-03 Impact of continuing evaluation of an urban CCMHC
 ** R12MH-21215-02 Diffusion of innovations among mental health centers
 ** R01MH-21708-02 Assessing relevance of indirect services in schools
 ** R01MH-21742-02 Citizen evaluation of community mental health center services
 ** R01MH-22997-03 Evaluation of children's mental health services
 ** R01MH-23646-02 Correlates of preventive activities in CCMHCs
 R01MH-23949-01 Research study of retirement preparation programs
 ** R01MH-24154-01 Comparison of centralized/decentralized CCMHC services
 R01MH-24229-01 Berkeley youth alternatives juvenile services program
 R01MH-24287-01 California's new mental health law—Longitudinal study
 ** R01MH-24889-01 Community based program for mentally frail elderly
 R12MH-25121-01 Dissemination and utilization of information
 ** R01MH-25351-01 Prevention programs in community mental health centers
 R01MH-25520-01 Data systems for minority mental health services
 ** R01MH-25580-01 Fennel mental health research and development centers (FRDC)
 R12MH-25625-01 Development of mental health model for minorities
 ** R01MH-26207-01 Behavioral analysis & modification in a community mental health center
 ** N01MH-30046-00 Systems analysis for child mental health services
 ** N01MH-30063-00 Changes in use of state mental hospitals and other mental health services
 N01MH-30078-00 Community health centers services for children
 ** N01MH-30081-00 Evaluate services to juvenile delinquents
 N01MH-30179-00 Community mental health service evaluation procedures
 ** N01MH-40022-00 Development of standards for community mental health centers
 ** N01MH-40062-00 Evaluation of community mental health center evaluation projects
 ** N01MH-40071-00 Evaluation of community mental health centers
 ** N01MH-40085-00 Community mental health service planning
 ** N01MH-40088-00 Study of social planning
 ** N01MH-90097-12 Planning evaluation of community mental health centers

MENTAL HEALTH FACILITIES, MENTAL HEALTH OUTPATIENT FACILITIES

SEE ALSO MENTAL HEALTH FACILITIES, MENTAL HEALTH CENTERS
 R18AA-00058-01 Mendocino County alcoholism project
 ** R18AA-00070-01 Satellite clinics in alcohol abuse control
 R18AA-00158-03 Occupational alcoholism program
 R18AA-00175-03 Services for problem drinking drivers
 R18AA-00408-03 Washington Hospital Center—Alcoholism program
 R18AA-00430-03 Project catalyst
 ** R18AA-00461-03 Services for problem drinking drivers
 R18AA-00464-03 Services for problem drinking drivers
 R18AA-00466-03 Services for problem drinking drivers
 R18AA-00472-02 Evaluation of outpatient care for alcoholics
 R18AA-00485-03 Demonstration-tri-cultural alcoholism treatment program
 R01AA-00498-03 0003 Clinical studies of alcohol use and abuse - Group psychotherapy with alcoholics
 R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic
 R18AA-00562-03 Umatilla tribal alcohol program
 R18AA-00594-03 Community alcoholism services—Public inebriate program
 R18AA-00596-03 Baltimore comprehensive public inebriate program

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont)

R18AA-00936-01 No. Central Florida rural alcoholism project
 R18AA-01091-01 Day care center and/or community center (Alaska)
 R18AA-01177-01 South County alcoholism information and referral center
 R18AA-01475-01 Women's alcoholism program
 R18AA-01487-01 Columbia Point alcoholism program
 R18AA-01491-01 Care system for public inebriates in Rutland County
 R18AA-01541-01 Cave run comprehensive care center
 R18AA-01573-01 St John's Hospital comprehensive alcoholism services program
 R18AA-01601-01 Lee-Harrett area alcoholism project
 R18AA-01645-01 Alcoholism outreach counselors
 R18AA-01653-01 Alcoholism treatment program and referral system
 R18AA-01663-01 Newport regional comprehensive alcoholism program
 R18AA-01666-01 Alcohol abuse and alcoholism demonstration project
 R18AA-01682-01 Black alcoholism—Education, outreach and treatment
 R18AA-01683-01 Mississippi river human services center
 R18AA-01697-01 Alcoholism rehabilitation service
 R18AA-01718-01 Court alcohol abuse program
 R18AA-01847-01 Services for problem drinking drivers
 R01DA-00415-03 Studies of selected agonists and antagonist
 N01DA-30011-00 Services to narcotic addicts
 N01DA-30052-00 Treatment of drug dependent persons
 N01DA-40209-00 Evaluation of free clinics
 P01HD-02274-00 0032 Mental retardation and child development - Clinical training unit
 R10MH-03701-15 0084 Clinical new chemotherapeutic agent evaluation - Acute and adolescent schizophrenia
 R01MH-04618-12 Psychotherapy of psychiatric outpatients
 R01MH-08954-10 Methodology of outpatient drug research (human)
 R01MH-08957-10 Early drug evaluation in neurotic outpatients
 R01MH-08958-10 Early drug evaluation in neurotic outpatients
 R01MH-13738-07 Drug therapy of depressed outpatients
 R01MH-14052-05 System of corrective interventions in a research population (human)
 R01MH-14864-08 Automation of the delivery of mental health services
 R10MH-15829-06 NIMH-PRB collaborative outpatient schizophrenia study
 R01MH-16631-05 Drug and family therapy in depressed outpatients
 R01MH-16789-04 Evolution of a community mental health program
 R01MH-17728-05 Follow-up of maintenance treatment for depression (human)
 R01MH-18180-05 Outpatient pediatric psychopharmacology
 R01MH-18516-03 Treatment of childhood behavior problems
 R12MH-18995-04 Behavior modification applied to a mental health center
 R01MH-19649-03 The impact of mental illness on the family (human)
 R01MH-19831-04 Brief hospitalization—Effects on patient and family
 R01MH-19880-02 Behavioral analysis in a community mental health center
 R01MH-21145-02 Adjustment of children of schizophrenic parents
 R01MH-21337-02 Drugs in the aftercare treatment of schizophrenia
 R01MH-21643-01 Therapeutic effectiveness of halfway house program
 R01MH-21811-01 Human predicaments and human services
 R01MH-22922-02 The psychiatric outpatient as a customer
 R01MH-23925-02 Long acting drugs with after care of schizophrenics
 R01MH-24287-01 California's new mental health law—Longitudinal study
 R01MH-24354-02 Development of drug-sensitive symptom rating scales
 R01MH-24884-01 Psychiatric epidemiology in Rhode Island
 R01MH-25258-01 Comparative treatment of emotional problems of aging
 R10MH-26196-01 Analysis—Collaborative outpatient schizophrenia
 R01MH-26207-01 Behavioral analysis & modification in a community mental health center
 R21MU-00370-04 Nursing with chronically ill psychiatric outpatients (human)

MENTAL HEALTH FACILITIES, MENTAL HOSPITALS
 SEE ALSO MENTAL HEALTH FACILITIES, PSYCHIATRIC WARDS
 R18AA-00430-03 Project catalyst
 R18AA-00472-02 Evaluation of outpatient care for alcoholics
 R18AA-01683-01 Mississippi river human services center
 R18AA-01697-01 Alcoholism rehabilitation service
 R01HD-08031-01 Density and pathology in urban areas
 G07LM-02038-01 Medical library resource improvement support (mental hospital)

G07LM-02052-01 Medical library resource improvement support (mental hospitals)
 R01LM-02109-01 Traditional chinese medicine
 G07LM-02191-01 Medical library resource improvement support
 R01LM-02306-05 History of mental hospitals in the United States to 1900
 G07LM-02318-01 Medical library resource improvement support
 G07LM-02391-01 Medical library resource improvement support (mental hospitals)
 P01MH-08667-10 0001 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology—Population movement (human)
 P01MH-08667-10 0002 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology—Western interstate commission (human)
 P01MH-13002-06 0001 Clinical add laboratory studies of affective disorder - Social effectiveness
 R01MH-14934-08 A multi-state information system for psychiatric patients
 R01MH-16139-02 Architecture and behavior—The mentally impaired aged (human)
 R01MH-17473-04 Criteria for evaluation of mental health services
 R01MH-18013-04 Goal (Belgium) foster family care research project (human)
 R01MH-18334-04 Transcultural study in discharge of schizophrenics (US, Turkey)
 R01MH-19222-02 Process and impacts of a state hospital closing
 R01MH-19649-03 The impact of mental illness on the family (human)
 P01MH-19966-03 0007 Psychiatric epidemiology research unit and two field studies - Chronic hospitalization
 R12MH-20123-03 Community alternatives for treatment of schizophrenia
 R01MH-20593-03 Short versus long hospitalization—A controlled study
 R01MH-21145-02 Adjustment of children of schizophrenic parents
 R01MH-21303-02 Assessment of adequacy of treatment (human)
 R01MH-21344-02 Home vs hospital care of behavior disordered children
 R01MH-21574-02 Symptom tolerance and recidivism (human)
 R01MH-21643-01 Therapeutic effectiveness of halfway house program
 R01MH-22336-02 College students in mental health service projects
 R01MH-22683-02 Knowledge transfer in mental health services
 R01MH-22808-02 Legislative change and rural/urban MH delivery systems
 R01MH-24287-01 California's new mental health law—Longitudinal study
 R01MH-24677-01 The social organization of psychological disorder
 R01MH-24884-01 Psychiatric epidemiology in Rhode Island
 R03MH-25263-01 Factors of assaultive behavior
 P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia
 N01MH-30170-00 State of Maine evaluation, monitoring and information system
 N01MH-30186-00 Impact of community mental health services on state mental hospitals
 N01MH-40026-00 Improvement in state mental hospital utilization
 N01MH-40078-00 Economics of long-term mental illness
 S01RR-05517-12 General research support (mental hospitals)
 S01RR-05550-11 General research support (mental hospitals)
 S01RR-05609-07 General research support (mental hospitals)
 S01RR-05632-07 General research support (mental hospitals)
 S01RR-05650-08 General research support (mental hospitals)
 S01RR-05651-08 General research support (mental hospitals)

MENTAL HEALTH FACILITIES, PSYCHIATRIC WARDS
 R01MH-16026-06 Assessment of psychological environments (human)
 R01MH-18010-05 Behavior and space in a childrens psychiatric unit (human)
 P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia
 N01MH-40024-00 Survey of psychiatric units of general hospitals

MENTAL HEALTH FACILITIES, RESIDENTIAL
 R18AA-00036-01 No. Central Florida rural alcoholism project
 R18AA-00953-01 Alcohol residential multi lodge
 R18AA-01475-01 Women's alcoholism program
 R18AA-01476-01 Alcoholism emergency care services
 R18AA-01482-01 Alcohol program for migrants and farmworkers

R18AA-01491-01 Care system for public inebriates in Rutland County
 R18AA-01497-01 West Side non-medical detoxification
 R18AA-01509-01 Uintah and Ouray Indian recovery center
 R18AA-01573-01 St John's Hospital comprehensive alcoholism services program
 R18AA-01663-01 Newport regional comprehensive alcoholism program
 R18AA-01666-01 Alcohol abuse and alcoholism demonstration project
 N01DA-40130-00 Services to narcotic addicts (human)
 N01DA-40151-08 Services to narcotic addicts and drug abusers (human)
 N01DA-40184-00 Services to narcotic addicts
 N01DA-40200-00 Services to narcotic addicts
 N01DA-40210-00 Services to narcotic addicts and drug abusers (human)
 P01HD-04510-06 0009 Center for research in human development - Home two incorporated
 R01MH-22215-02 Evaluation of comprehensive program for adolescents
 R01MH-23775-01 Huckleberry house youth service center
 R01MH-24287-01 California's new mental health law—Longitudinal study
 R12MH-25570-01 Soteria II—Replication of an alternative to hospitalization
 R01MH-25604-01 Evaluation of group homes for delinquent youths
 R01MH-25631-01 Achievement place evaluation

MENTAL HEALTH FACILITIES, RESIDENTIAL, HALFWAY HOUSE
 R18AA-00050-02 E.O.C. Alexandria center for alcoholism
 R18AA-00951-01 Demonstration project halfway house for alcoholics
 R18AA-00059-02 Alcohol and recovery program
 R18AA-00062-02 Cranston community action alcoholism program
 R18AA-00074-02 Community alcoholism services poverty program—New York
 R18AA-00079-02 Community alcoholism services, poverty program
 R18AA-00050-02 Tatalip alcoholism prevention and rehabilitation
 R18AA-00059-02 Indian lodge recovery home
 R18AA-00096-02 Alcohol prevention and treatment program
 R18AA-00097-02 Community alcoholism services poverty program—Missouri
 R18AA-00142-03 North Dakota State occupational alcoholism program
 R18AA-00168-03 Services for problem drinking drivers
 R18AA-00169-03 Wazee Center Suid New Community Demonstration Program
 R18AA-00361-02 C and ROP alcoholism program
 R18AA-00430-03 Project catalyst
 R18AA-00439-01 Intermediate care facility - training retard
 R18AA-00484-03 Early intervention for women with a drinking problem
 R18AA-00484-03 Demonstration-tri-cultural alcoholism treatment program
 R18AA-00511-02 Community alcoholism program
 R18AA-00512-01 Native American therapy center (alcoholism)
 R18AA-00516-03 The Anchorage native half-way house
 R18AA-00522-02 Uta Mountain CAP—Alcohol Department
 R18AA-00536-03 Community alcoholism services Indian program
 R18AA-00539-03 Indian alcoholism program
 R18AA-00546-02 Pueblo of Acoma alcoholism and treatment program
 R18AA-00552-03 American Indian special services project
 R18AA-00553-03 Cheyenne River alcohol and drug abuse program
 R18AA-00562-03 Umatilla tribal alcohol program
 R18AA-00569-01 AIN DAH ING Community alcoholism services
 R18AA-00576-03 Inter-tribal alcoholism and rehabilitation program (Oklahoma)
 R18AA-00577-01 White earth reservation alcoholism program
 R18AA-00583-02 Papage alcoholism prevention program
 R18AA-00585-01 Keweenaw Day Indian center alcoholism program
 R18AA-00594-03 Community alcoholism services—Public inebriate program
 R18AA-00595-03 Seattle skid road public inebriate program
 R18AA-00596-03 Baltimore comprehensive public inebriate program
 R18AA-00603-03 Services for problem drinking drivers
 R18AA-00013-02 Community alcoholism services poverty program
 R18AA-00015-02 Community alcoholism services
 R18AA-00652-02 Poverty alcoholism program
 R18AA-00071-02 ITC alcoholism rehabilitation program
 R18AA-00706-01 Community alcoholism services indian program (California)
 R18AA-00709-02 Crow Creek alcoholism program
 R18AA-00717-02 Rocky Bay alcoholism program

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 M Grant has subprojects describing specific research aspects.

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R18AA-00721-02 Comprehensive alcoholism services
 R18AA-00722-02 Community alcoholism services program (human)
 R18AA-00741-02 Community alcoholism services poverty program
 R18AA-00760-01 Stenwall-alcoholic rehabilitation
 ** R18AA-00776-01 Transitional alcoholic halfway house
 R18AA-00798-02 Abuse
 R18AA-00826-02 Community alcoholism services poverty program
 R18AA-00829-02 Alcoholic rehabilitation program (action)
 R18AA-00825-02 Southern Ute alcoholism program
 R18AA-00836-02 Inter-Tribal Council of Nevada alcoholism program
 R18AA-00851-02 Hampshire community alcoholism project
 R18AA-00864-02 Community action council alcoholism program
 R18AA-00873-02 Alcoholic family rehabilitation agency
 R18AA-00886-02 Alcohol rehabilitation and employment program
 ** R18AA-00908-02 Fairview halfway house
 R18AA-00886-02 Leach Lake Indian Reservation alcoholism program
 R18AA-00936-01 No. Central Florida rural alcoholism project
 R18AA-00963-02 Alcoholism counseling program
 R18AA-01049-02 Support for alcoholism control program
 R18AA-01177-01 South County alcoholism information and referral center
 R18AA-01394-01 Dona Ana alcoholism treatment program
 R18AA-01475-01 Women's alcoholism program
 R18AA-01487-01 Columbia Point alcoholism program
 R18AA-01526-01 Community alcoholism and treatment service program
 R18AA-01541-01 Cave run comprehensive care center
 R18AA-01546-01 Cocopah alcoholism program
 ** R18AA-01546-01 Fort Yuma Quechan Friendship House
 R18AA-01583-01 Alcoholism service delivery project
 R18AA-01601-01 Lee-Hammett area alcoholism project
 R18AA-01618-01 Young people residential center
 R18AA-01663-01 Newport regional comprehensive alcoholism program
 ** R18AA-01674-01 Association of halfway house communications and service
 R18AA-01682-01 Black alcoholism—Education, outreach and treatment
 R18AA-01683-01 Mississippi river human services center
 R18AA-01697-01 Alcoholism rehabilitation service
 R18AA-01847-01 Services for problem drinking drivers
 ** R01DA-00119-03 Soc-psych profiles and drug abusers in therapeutic community
 N01DA-30049-00 Treatment of opiate dependent persons
 N01DA-30055-00 Treatment of drug dependent persons
 N01DA-30056-05 Treatment of drug dependent persons
 ** N01DA-30085-01 Services to narcotic addicts
 N01DA-30174-00 Services to narcotic addicts
 ** N01DA-30176-00 Services to narcotic addicts
 ** N01MH-14734-13 An evaluation of differential treatment for delinquents
 R01MH-15008-06 Treatment deployment for chronic psychotics
 ** R01MH-20030-04 Achievement place—Phase III (human)
 ** R12MH-20123-03 Community alternatives for treatment of schizophrenia
 ** R01MH-21643-01 Therapeutic effectiveness of halfway house program
 ** R01MH-21853-03 Rehabilitation program for delinquent Indian youth
 R01MH-24229-01 Berkeley youth alternatives juvenile services program

MENTAL HEALTH ORGANIZATIONS

R18AA-00093-01 Services for problem drinking drivers
 R18AA-01639-01 Comprehensive alcoholism services grant
 R18AA-01692-01 ALMACA occupational alcoholism program assessment
 R18AA-01704-01 Pikes Peak alcoholism service division
 ** R18AA-01736-01 Developing state voluntary alcoholism associations
 R18AA-01746-01 Texas expanded occupational programs
 R18AA-01766-01 Occupational alcoholism research and training service
 R18AA-01795-01 State prevention coordinator program
 R18AA-01797-01 Alaska state alcoholism program
 ** R18AA-01798-01 State alcoholism primary prevention program
 R18AA-01800-01 State alcoholism prevention coordination program
 R18AA-01803-01 Indiana alcohol abuse prevention coordinator project
 R18AA-01805-01 State prevention coordination program
 R18AA-01829-01 State prevention coordinator program
 R01AA-01853-01 Differential treatment of alcoholic subgroups
 ** N01AA-40031-00 Alcoholism treatment program for health maintenance organization
 ** R01MH-25411-01 COSSMO's national task force on mental health
 ** N01MH-40040-00 State of Oregon's design of a mental health programs evaluation system

** N01MH-40044-00 Institutional change in regard to racial minority and women in NIMH
 N01MH-40068-00 Criminal justice and community care in mental health, alcohol and drug abuse

MENTAL HEALTH ORGANIZATIONS, SELF HELP ORGANIZATIONS

R18AA-00017-01 Seabrook House—Alcoholism rehabilitation center
 R18AA-00053-02 East central task force on alcoholism
 R18AA-00106-02 Community alcoholism services poverty program
 R18AA-00109-02 Community alcoholism services Indian program
 R18AA-00164-03 Alcoholism treatment—An interdisciplinary approach
 R18AA-00166-03 Department of alcoholic rehabilitation
 R18AA-00168-03 Services for problem drinking drivers
 R18AA-00168-03 Wazee Center Slid New Community Demonstration Program
 R18AA-00174-03 Services for problem drinking drivers
 R18AA-00464-03 Services for problem drinking drivers
 R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
 R18AA-00487-03 Utilization of A A in a comprehensive alcoholism system
 R18AA-00516-03 The Anchorage native half-way house
 R18AA-00518-03 Superior Indian association AA GA-WEIN (No) group
 R18AA-00522-02 Ute Mountain CAP—Alcohol Department
 R18AA-00523-02 Standing Rock comprehensive program
 R18AA-00525-03 Sacramento Indian center alcoholism awareness project
 R18AA-00527-03 New Mexico intertribal council on social problems
 R18AA-00536-03 Community alcoholism services Indian program
 R18AA-00553-03 Cheyenne River alcohol and drug abuse program
 R18AA-00563-03 Mesquachie program on problem drinking
 R18AA-00580-03 Rosebud Sioux Alcohol Control Program, Inc
 R18AA-00652-02 Poverty alcoholism program
 R18AA-00671-02 ITC alcoholism rehabilitation program
 R18AA-00709-02 Crew Creek alcoholism program
 R18AA-00717-02 Rocky Boy alcoholism program
 R18AA-00721-02 Comprehensive alcoholism services
 R18AA-00776-01 Transitional alcoholic halfway house
 R18AA-00803-02 Alcoholism counseling and recovery program
 R18AA-00625-02 Community alcoholism services poverty program
 R18AA-00827-02 Community alcoholism services poverty program
 R18AA-00829-02 Alcoholic rehabilitation program (action)
 R18AA-00848-02 Red Lake tribal council-alcoholic rehabilitation
 R18AA-00862-02 Yakima alcoholism outreach program
 R18AA-00884-02 SRCAA community alcoholism services poverty program
 R18AA-00884-02 Community alcoholism service poverty program
 R18AA-00889-02 Support for alcoholism control program
 R18AA-00909-02 Leach Lake Indian Reservation alcoholism program
 R18AA-00924-02 Center for drinking problem
 R18AA-00932-02 Northeast Kansas alcoholism poverty program
 R18AA-00934-02 City of Phoenix—Family alcoholism project
 R18AA-01045-02 Community alcoholism services
 R18AA-01058-01 Community alcoholism services—Poverty program
 R18AA-01070-02 OCCSA Alk Rehab Project
 R18AA-01170-02 Community alcoholism services poverty program
 R18AA-01184-01 Alcoholism counseling and recovery program
 R18AA-01237-02 Community alcoholism services poverty program
 R18AA-01246-01 Community alcoholism poverty program
 R18AA-01357-01 Dillingham Awareness House (Alaska)
 R18AA-01360-01 Golovin city council (Alaska)
 R18AA-01362-01 Kotzebue council on alcoholism (Alaska)
 R18AA-01366-01 Napaik Council on Alcoholism (Alaska)
 R18AA-01394-01 Dona Ana alcoholism treatment program
 R18AA-01666-01 Alcohol abuse and alcoholism demonstration project
 R18AA-01683-01 Mississippi river human services center
 ** R12MH-24924-01 Exploration of a social change model
 ** R01MH-24961-01 Self-help groups as mental health resources

MENTAL HEALTH ORGANIZATIONS, VOLUNTARY ORGANIZATIONS

SEE ALSO MENTAL HEALTH ORGANIZATIONS, SELF HELP ORGANIZATIONS
 R18AA-00502-01 Community alcoholism services poverty program
 R01MH-25411-01 COSSMO's national task force on mental health

MENTAL HEALTH OUTPATIENT FACILITIES
SEE MENTAL HEALTH FACILITIES, MENTAL HEALTH OUTPATIENT FACILITIES

MENTAL HEALTH PERSONNEL

SEE ALSO CHILD MENTAL HEALTH PERSONNEL
 SEE ALSO MENTAL HEALTH SERVICES
 SEE ALSO SOCIAL CONTROL PERSONNEL, COURTS PERSONNEL
 R18AA-00003-01 Services for problem drinking drivers
 R18AA-00003-01 Alcoholism outreach program in Fairfax County, Virginia
 R18AA-00096-02 Alcohol prevention and treatment program
 R18AA-00106-02 Community alcoholism services poverty program
 R18AA-00115-03 State occupational alcoholism program services
 R18AA-00137-03 California occupational alcoholism program
 R18AA-00454-03 Services for problem drinking drivers
 R18AA-00408-03 Services for problem drinking drivers
 R18AA-00461-03 Services for problem drinking drivers
 R18AA-00521-01 Indian community alcoholism program
 R18AA-00532-01 Metlakatla Indian community alcoholism services
 R18AA-00544-03 American Indian Services, Inc.
 R18AA-00570-01 Hasbath Indian alcohol prevention treatment program
 R18AA-00596-03 Baltimore comprehensive public inebriate program
 ** R18AA-01594-01 Employee assistance program
 R18AA-01637-01 Criminal justice-alcoholism project II
 R18AA-01692-01 ALMACA occupational alcoholism program assessment
 R18AA-01737-01 State legislative action on alcoholism and drug abuse
 R18AA-01746-01 Texas expanded occupational programs
 R18AA-01766-01 Occupational alcoholism research and training service
 ** R18AA-01792-01 New York state alcoholism prevention coordinator
 ** R18AA-01794-01 Nebraska alcoholism prevention program
 ** R18AA-01808-01 State prevention coordinator (Oregon)
 R18AA-01810-01 Community alcoholism services poverty program
 N01DA-00111-04 Training of professional and para-professional persons for drug abuse programs
 R25DA-00163-03 Mobilization of Vermont resources for drug education
 P01DA-00250-03 0015 Research center—Studies of drug dependence and abuse - Studies in the Minnisic drug abuse program
 R25DA-00675-02 Metro drug awareness
 P01HD-04147-06 0014 Research in mental retardation - Sociological research unit
 N01MB-44170-00 Physician's assistants in primary care
 R01MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
 R01MH-16125-06 Family mental health—Diffusing community strategies
 ** R01MH-16927-03 Stigma and the community care of the psychiatric patient
 ** R01MH-18958-02 Social activism and the mental health workers role
 R12MH-18995-04 Behavior modification applied to a mental health center
 R01MH-19463-03 A mentor service to families of the emotionally ill
 N01MH-20202-00 Evaluation of NIMH funded financing studies and cost data-manpower
 N01MH-20221-00 Training project on mental health aspects in nursing homes
 ** R01MH-20369-03 Effectiveness of individual psychotherapy
 ** R01MH-21214-02 Critical behaviors in the care of the mentally ill
 R12MH-21215-02 Diffusion of innovations among mental health centers
 R01MH-21669-03 Quality evaluation of mental health services
 R01MH-21724-02 Sub-cultural conceptions of mental illness
 R01MH-21742-02 Citizen evaluation of community mental health center services
 R01MH-21811-01 Human predicaments and human services
 ** R01MH-21911-02 Utah mental health information diffusion agent
 R01MH-22336-02 College students in mental health service projects
 ** R01MH-22563-01 Folk healers and community mental health programming
 R01MH-22683-02 Knowledge transfer in mental health services
 R01MH-22719-03 Native American children—The urban way
 R01MH-22922-02 The psychiatric outpatient as a customer
 R01MH-23646-02 Correlates of preventive activities in CMHCs
 R01MH-23810-01 An interagency system to deliver human services

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)
- RO1MH-24677-01 The social organization of psychological disorder
- ** RO1MH-24688-01 An optimum A-B scale of psychotherapist effectiveness
- RO1MH-24866-02 Preventive intervention—Isolated Navajo families
- R12MH-25020-01 Juvenile justice and mental health impact—Pilot study
- ** RO1MH-25388-02 Applied training in human service system technology
- RO1MH-25520-01 Data systems for minority mental health services
- RO1MH-25551-01 Mental health R and D center in black communities
- RO1MH-25586-01 Factors affecting the decision relevance of research
- RO1MH-25589-01 Asian American mental health research center
- RO1MH-26092-01 Dangerousness and psychiatric commitment study
- ** NO1MH-30185-00 Mental health program for employed long term care personnel
- ** NO1MH-40017-00 Training program for crisis intervenors
- NO1MH-40022-00 Development of standards for community mental health centers
- ** NO1MH-40027-00 Manpower development and utilization system for mental health services in Oregon
- ** NO1MH-40052-00 Mental health manpower development in Virginia
- ** NO1MH-40069-00 Educational needs of state mental health staff
- NO1MH-40073-00 Conference on mental health needs of Mexican-American children in Texas
- ** NO1MH-40093-00 Intensive training seminar on human sexuality

MENTAL HEALTH PERSONNEL, PSYCHIATRISTS

- P02CA-13696-02 0047 Clinical cancer research center - Psychiatric liaison with surgery service (human)
- P02CA-13696-02 0048 Clinical cancer research center - Psychiatric liaison with radiotherapy department (human)
- P02CA-13696-02 0049 Clinical cancer research center - Psychiatric liaison with cancer research unit (human)
- P02CA-13696-02 0050 Clinical cancer research center - Psychiatric study of children with terminal illness (human)
- R18CA-16401-01 0003 University of Chicago cancer control center - Psychological aspects of cancer
- P18HL-15162-03 0008 Comprehensive sickle cell disease center - Consultations
- ** RO1MH-20077-02 Psychiatric manpower in mental health centers

MENTAL HEALTH PERSONNEL, PSYCHOLOGISTS

- RO1MH-14864-08 Automation of the delivery of mental health services
- ** RO1MH-21813-03 Behavior therapy—Professional and paraprofessional
- ** PO1MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
- ** PO1MH-22916-02 0002 Personality and psychotherapy - Clinical inference
- ** RO3MH-23474-01 Survey of scientific values among psychologists
- ** NO1MH-40074-00 Independent provider status for psychologists

MENTAL HEALTH PERSONNEL, SOCIOLOGISTS

- R18AA-01192-01 Inner-city alcohol recovery and rehabilitation project
- NO1DA-30231-00 Treatment facilities for non-opiate drug users (human)
- RO1HD-07334-01 Fertility, productivity and labor force participation (women in academia)
- P17HL-14187-04 0004 Center for lung research - Rehabilitation parameters in chronic pulmonary disease (human)
- P18HL-15162-03 0003 Comprehensive sickle cell disease center - Patient care team
- ** RO1MH-24854-02 Spanish speaking MH research and development program

MENTAL HEALTH PERSONNEL ADJUNCT

- R18AA-00095-02 Navajo alcoholism rehabilitation and education program
- R18AA-00143-03 Illinois occupational alcoholism program
- R18AA-00166-03 Department of alcoholic rehabilitation
- R18AA-00435-03 Demonstration prevention, outreach and training program (alcoholism)
- R18AA-00454-03 Services for problem drinking drivers
- ** RO1AA-00458-03 Identifying and treating the self-destructive drinker
- R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
- R18AA-00510-03 Chemawa alcoholism education program
- R18AA-00512-01 Native American therapy center (alcoholism)
- R18AA-00545-03 Salt River community alcoholism program
- R18AA-00552-03 American Indian special services project
- R18AA-00553-03 Cheyenne River alcohol and drug abuse program

- R18AA-00567-03 USET—Education in comprehensive alcoholism programs
- R18AA-00583-02 Papago alcoholism prevention program
- R18AA-00596-03 Baltimore comprehensive public inebriate program
- R18AA-00654-02 Mission unity group
- R18AA-00803-02 Alcoholism counseling and recovery program
- R18AA-00826-02 Community alcoholism services poverty program
- R18AA-00826-02 Inter-Tribal Council of Nevada alcoholism program
- R18AA-00882-02 Blackfoot alcoholism program
- R18AA-00883-02 Community alcoholism service poverty program
- R18AA-00891-02 Cherokee alcoholism rehabilitation and education
- R18AA-00936-01 No. Central Florida rural alcoholism project
- R18AA-00958-01 Community education and early intervention
- ** R18AA-01044-01 United tribes training center alcoholism project
- R18AA-01156-01 Economic opportunity agency of Palushi Co alcoholism program
- R18AA-01241-01 Community alcoholism services poverty program
- R18AA-01390-01 Youth leadership and alcohol education
- R18AA-01491-01 Care system for public inebriates in Rutland County
- R18AA-01497-01 West Side non-medical detoxification
- R18AA-01573-01 St John's Hospital comprehensive alcoholism services program
- R18AA-01601-01 Lee-Harnett area alcoholism project
- R18AA-01663-01 Newport regional comprehensive alcoholism program
- ** R18AA-01736-01 Developing state voluntary alcoholism associations
- ** NO1DA-00111-04 Training of professional and paraprofessional persons for drug abuse programs
- RO1DA-00113-03 Contingency contracting for treatment for drug abuse
- R25DA-00172-03 Peer-oriented drug abuse educational network
- R25DA-00237-02 Project INFO, Inc
- ** R25DA-00767-02 'US' youth senior drug prevention program
- PO1HD-00870-11 0013 Communication research with retarded children - Direction following
- PO1HD-04299-05 Intervention and mental health of infants
- ** PO1MH-08667-10 0018 A longitudinal epidemiology of impaired competence - Paraprofessionals—Source for individualized instruction in special education
- ** PO1MH-08667-10 0019 A longitudinal epidemiology of impaired competence - Application of biostatistical methodology to personnel classification - turnover
- RO1MH-15008-06 Treatment deployment for chronic psychotics
- RO1MH-16037-06 Home learning center approach to early stimulation (children)
- ** RO1MH-16420-05 Community mental health workers demonstration project
- RO1MH-16789-04 Evaluation of a community mental health program
- RO1MH-17367-03 Community impact of suicide prevention services
- RO1MH-18471-04 Verbal interaction project (human)
- RO1MH-18646-03 Developmental approach to community change
- RO1MH-18813-04 Group integration and behavioral change (human)
- RO1MH-19463-03 A monitor service to families of the emotionally ill
- RO1MH-20030-04 Achievement place—Phase III (human)
- R12MH-20123-03 Community alternatives for treatment of schizophrenia
- RO1MH-20369-03 Effectiveness of individual psychotherapy
- ** RO1MH-21214-02 Critical behaviors in the care of the mentally ill
- ** RO1MH-21813-03 Behavior therapy—Professional and paraprofessional
- RO1MH-22370-02 School intervention program
- RO1MH-22644-02 Volunteer phone counselors—A study of altruists
- ** RO1MH-22890-02 Behavior modification—Evaluating effects on patients
- RO1MH-22891-02 Crisis intervention by the use of telephone therapy
- RO1MH-24866-02 Preventive intervention—Isolated Navajo families
- R12MH-24924-01 Exploration of a social change model
- RO1MH-24961-01 Self-help groups as mental health resources
- RO1MH-25216-01 Helping relationship in diverse subcultures
- R12MH-25570-01 Soteria II—Replication of an alternative to hospitalization
- RO3MH-25779-01 Change in a correctional facility for delinquents
- RO1MH-26207-01 Behavioral analysis & modification in a community mental health center

- ** NO1MH-40065-00 Volunteer services
- NO1MH-40059-00 Housing needs of ex-mental patients
- MENTAL HEALTH PROJECTS RESEARCH REVIEW**
- M PO1MH-05519-13 Psychosomatic clinical research center
- ** RO1MH-05753-13 Growth and family patterns in childhood schizophrenia
- M PO1MH-00618-10 Biological studies of psychotic disorders
- M PO1MH-11668-09 Psychosocial factors in health and disease
- M PO1MH-13002-06 Clinical and laboratory studies of affective disorder
- M PO1MH-16674-06 A program of psychiatry-oriented biological research
- RO1MH-17159-05 Interorganizational relationships and consequences
- ** RO1MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
- ** R13MH-21186-02 Conference and visitations for risk research groups
- ** RO1MH-21384-03 Psychologic and neural factors in cardiac arrhythmias (dogs, human)
- ** PO1MH-21586-02 Biogenetic studies of the affective disorders
- ** PO1MH-22826-02 Children and families vulnerable to mental disorders
- M PO1MH-22916-02 Personality and psychotherapy
- NO1MH-23861-02 Biogenic amines and behavior
- ** R12MH-23864-02 CRB NIMH collaborative depression studies II—SADS
- ** RO1MH-24819-01 A short term developmental study of children at risk
- ** RO1MH-24820-01 Biofeedback training for sleep onset (human)
- ** PO1MH-25246-01 Effects of psychotherapy in schizophrenia—A pilot study
- ** R12MH-25416-01 CRB NIMH collaborative studies II—Pilot
- ** R12MH-25430-01 CRB NIMH collaborative studies II—Pilot
- ** R12MH-25447-01 CRB NIMH collaborative depression studies II—Pilot
- ** R12MH-25478-01 CRB NIMH collaborative depression studies II—Pilot
- M PO1MH-25515-01 Collaborative biological research on schizophrenia
- ** PO1MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia

MENTAL HEALTH SERVICES

- SEE ALSO CHILD MENTAL HEALTH (SERVICES)
- SEE ALSO HEALTH CARE FACILITIES, FOSTER CARE
- SEE ALSO HEALTH CARE FACILITIES, SHELTERED EMPLOYMENT
- SEE ALSO PSYCHOTHERAPY
- ** R18AA-00008-01 Indian alcoholic treatment program
- ** R18AA-00019-01 Public inebriate program
- R18AA-00030-01 Northwestern LA alcoholism demonstration program
- R18AA-00031-01 Treatment of families and children of alcoholics
- R18AA-00043-01 Ex-offender alcohol abuse project
- ** R18AA-00045-01 Alcoholism services program
- R18AA-00051-01 Demonstration project halfway house for alcoholics
- ** R18AA-00037-01 Worcester area alcohol consortium-public inebriate program
- ** R18AA-00070-01 Satellite clinics in alcohol abuse control
- ** R18AA-00072-01 Central Detroit public inebriate program
- ** R18AA-00073-01 Alameda alcoholism treatment and rehabilitation program
- R18AA-00153-03 State occupational alcoholism program
- ** R18AA-00156-03 State employee and industrial alcoholism program
- ** R18AA-00409-03 Comprehensive occupational alcoholism program
- ** R18AA-00462-01 Services for problem drinking drivers
- R18AA-00538-01 Comprehensive alcoholism treatment program
- R18AA-00551-01 Comprehensive Indian alcoholism and social services program
- ** R18AA-00679-01 Services for problem drinking drivers
- ** R18AA-00682-01 Alcoholism treatment project—Mental health services
- ** R18AA-00733-01 Public inebriate program
- ** R18AA-00735-01 Utah state prison alcohol treatment program
- ** R18AA-00781-01 Santo Domingo alcoholism treatment and education program
- ** R18AA-00786-01 Employee alcoholic program
- R18AA-00799-01 Manpower maintenance
- ** R18AA-00903-01 Indian alcohol program
- ** R18AA-01033-01 Comprehensive alcoholism recovery service in Nevada
- ** RO1AA-01193-01 Differential treatment of alcoholic patients
- ** RO1AA-01273-01 Treatment contracts with alcoholic patients
- R18AA-01343-01 Copper River alcoholism program
- ** R18AA-01483-01 Comprehensive alcoholism program
- ** R18AA-01586-01 Maricopa county public inebriate program
- ** R18AA-01634-01 Comprehensive alcoholism program
- ** R18AA-01674-01 Association of halfway house communications and service

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(cont'd)

R18AA-01692-01 ALMACA occupational alcoholism program assessment
 R18AA-01745-01 Alcoholism within prepaid group practice HMO's
 ** R18AA-01746-01 Texas expanded occupational programs
 ** R18AA-01782-01 Comprehensive alcoholism services project
 ** R18AA-01789-01 State prevention coordination program
 ** R18AA-01790-01 State alcoholism prevention coordination
 ** R18AA-01837-01 State prevention coordination program
 ** R18AA-01838-01 Arizona alcohol abuse prevention program
 NO1AA-30114-00 Economic cost of alcohol abuse and alcoholism
 ** NO1DA-40130-00 Services to narcotic addicts (human)
 ** NO1DA-40151-00 Services to narcotic addicts and drug abusers (human)
 ** NO1DA-40161-00 Client oriented data acquisition process system
 ** NO1DA-40184-00 Services to narcotic addicts
 ** NO1DA-40200-00 Services to narcotic addicts
 ** NO1DA-40201-00 Placement and treatment of neuropsychiatric patients
 ** NO1DA-40210-00 Services to narcotic addicts and drug abusers (human)
 ** PO1HO-01799-09 0045 Mental retardation research center - Organization and conduct of services for mentally subnormal children
 ** PO1HO-01799-09 0046 Mental retardation research center - Parent's expectations, health care clinic and communication
 RO1HO-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
 P18HL-15168-03 0002 Comprehensive sickle cell disease center - Patient service program
 P18HL-15170-03 0001 Comprehensive sickle cell disease center - Adult out-patient care
 P18HL-15170-03 0023 Comprehensive sickle cell disease center - Comprehensive patient care
 ** PO1HS-00110-11 0029 Medical care and patient care research program (human) - Race in diagnosis and treatment of mental illness
 RO1HS-00541-03 Intergovernmental networks of urban health services
 ** NO1MH-20105-03 Regional evaluation and monitoring system for mental health care providers
 ** NO1MH-20197-01 Evaluate NIMH aging programs with special focus on services
 ** NO1MH-20221-00 Training project on mental health aspects in nursing homes
 ** RO1MH-20315-03 Assessment of behavior modification instruments
 RO1MH-20708-03 Prevalence of psychological distress and help-seeking
 RO1MH-22322-02 Typological description of suicidal behavior
 ** R12MH-22761-02 Mental health evaluations—Analysis and dissemination
 ** RO1MH-24109-01 Systems approach to mental health care in a HMO model
 RO1MH-24741-01 Longitudinal study of physically abused children
 ** RO1MH-24934-01 Rights of adolescents receiving mental health services
 RO1MH-24989-01 Asian American national mental health coalition
 ** RO3MH-25317-01 Mental health services project for elementary schools
 RO3MH-26087-01 Effects of random assignment to control treatment
 ** NO1MH-30027-00 Mental health services to residents of flood disaster areas
 ** NO1MH-30028-00 Mental health services to residents of flood disaster areas
 ** NO1MH-30029-00 Mental health services to residents of flood disaster areas
 ** NO1MH-30063-00 Changes in use of state mental hospitals and other mental health services
 ** NO1MH-30078-00 Community health centers services for children
 ** NO1MH-30167-00 Evaluating and monitoring drug, alcohol, and mental health services
 ** NO1MH-30183-00 Study of mental health manpower development and utilization system in Maine
 NO1MH-30185-00 Mental health program for employed long term care personnel
 NO1MH-30199-00 Child advocacy services
 ** NO1MH-30236-00 Review of NIMH pilot SPD effort in Ohio
 ** NO1MH-30242-00 Delivery of mental health care in a prepaid group practice network
 ** NO1MH-40018-00 Organization of mental health services in Detroit-Wayne County Michigan area
 NO1MH-40022-00 Development of standards for community mental health centers
 ** NO1MH-40027-00 Manpower development and utilization system for mental health services in Oregon
 NO1MH-40036-00 Evaluate training modules related to child abuse and neglect
 ** NO1MH-40049-00 Mental health related human service for the criminal justice system

** NO1MH-40055-00 Child mental health treatment service
 ** NO1MH-40073-00 Conference on mental health needs of children in Texas
 ** NO1MH-40077-00 Mexican-American
 ** NO1MH-40085-00 Methodological study for long-term care
 ** NO1MH-40086-00 Chronically mentally ill in prepaid practices programs
 ** NO1MH-40081-00 Placement needs of state mental hospital patients
 ** NO1MH-40086-00 Mental health linkages in social service systems
 ** NO1MH-40085-00 Program evaluation in state mental health agency
 ** NO1MH-40091-00 Evaluation of a prototype psychiatric PSRO
 ** NO1MH-40124-00 Workshop on admin stand for mental health delivery systems
 ** NO1MH-40125-00 Evaluation of state program development (SPD) program

MENTAL HEALTH SERVICES, CANCER

REHABILITATION

R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)
 NO1CN-45119-00 Integrated cancer rehabilitation services (human)
 NO1CN-45144-00 Rehabilitation and continuing care

MENTAL HEALTH SERVICES, COMMUNITY

MENTAL HEALTH SERVICES

SEE ALSO HOSPITAL-COMMUNITY RELATIONS
 SEE ALSO MENTAL HEALTH FACILITIES, MENTAL HEALTH CENTERS
 R18AA-00016-02 Community alcoholism services poverty program
 ** R18AA-00025-02 Swinomish Indian alcoholism prevention and control
 R18AA-00053-02 East central task force on alcoholism
 R18AA-00053-02 Community alcoholism services, poverty program
 R18AA-00058-01 Mendocino County alcoholism project
 R18AA-00059-02 Alcohol and recovery program
 ** R18AA-00063-01 Alcoholism outreach program in Fairfax County, Virginia
 R18AA-00066-02 Anostack Indian alcoholism prevention committee
 ** R18AA-00067-01 Rural poverty community alcoholism services program
 ** R18AA-00674-02 Community alcoholism services poverty program—New York
 ** R18AA-00079-02 Community alcoholism services, poverty program
 ** R18AA-00083-02 Community alcoholism services poverty program
 R18AA-00085-02 Alcoholism counseling program
 R18AA-00086-02 Alcoholic rehabilitation project
 ** R18AA-00087-02 Community alcoholism services poverty program
 R18AA-00089-02 Indian lodge recovery home
 R18AA-00094-02 Alcoholic rehabilitation center
 R18AA-00067-02 Community alcoholism services poverty program—Missouri
 R18AA-00100-02 Community alcoholism services poverty program
 R18AA-00106-02 Community alcoholism services poverty program
 R18AA-00106-02 Fort Peck alcoholism program
 R18AA-00109-02 Community alcoholism services Indian program
 R18AA-00110-03 A comprehensive occupational alcoholism program plan
 R18AA-00111-03 Kentucky occupational alcoholism services
 R18AA-00112-03 Arkansas occupational alcoholism program services
 R18AA-00114-03 State occupational alcoholism program service
 R18AA-00115-03 State occupational alcoholism program services
 R18AA-00117-03 State occupational alcoholism service
 R18AA-00118-03 Montana state occupational alcoholism program
 R18AA-00119-03 Occupational alcoholism program
 R18AA-00120-03 North Carolina occupational alcoholism program
 R18AA-00121-03 State occupational alcoholism program service
 R18AA-00123-03 Occupational alcoholism services (West Virginia)
 R18AA-00124-03 State occupational alcoholism programs (Connecticut)
 R18AA-00125-03 State occupational alcoholism program service
 R18AA-00126-03 State occupational alcoholism program services
 R18AA-00127-03 State occupational alcoholism program service
 R18AA-00128-03 Occupational alcoholism program service
 R18AA-00129-03 Occupational alcoholism program service
 R18AA-00130-03 South Carolina occupational alcoholism program
 R18AA-00131-03 Nebraska occupational alcoholism program services

R18AA-00132-03 Operation helping hand (alcoholism)
 R18AA-00133-03 Colorado occupational services project
 R18AA-00134-03 Indiana department of mental health division of alcoholism
 R18AA-00135-03 State occupational alcoholism program services
 R18AA-00136-03 State occupational alcoholism program services
 R18AA-00137-03 California occupational alcoholism program
 R18AA-00139-03 Wisconsin State occupational alcoholism program
 R18AA-00140-03 Pennsylvania State occupational alcoholism program
 R18AA-00141-03 Massachusetts State occupational alcoholism program
 R18AA-00142-03 North Dakota State occupational alcoholism program
 R18AA-00142-03 Illinois occupational alcoholism program
 R18AA-00144-02 Industrial alcoholism staff development (Alaska)
 R18AA-00145-03 State occupational alcoholism program service
 R18AA-00148-03 Arizona employee alcoholism project
 R18AA-00149-03 Missouri State occupational alcoholism program
 R18AA-00150-03 Special occupational alcoholism programs
 R18AA-00154-03 Oklahoma state occupational alcoholism services
 R18AA-00157-03 State occupational alcoholism program services
 ** R18AA-00150-03 Occupational alcoholism program
 R18AA-00164-03 alcoholism treatment—An interdisciplinary approach
 R18AA-00168-03 Services for problem drinking drivers
 R18AA-00169-03 Wase Center Shid Row Community Demonstration Program
 ** R18AA-00172-02 Maine Indian alcoholism field survey
 R18AA-00175-03 Services for problem drinking drivers
 R18AA-00176-03 Services for problem drinking drivers C and ROP alcoholism program
 R18AA-00561-02 Troubled employee health evaluation plan
 R18AA-00412-03 Plainfield Public Welfare Department Project catalyst
 R18AA-00430-03 Demonstration prevention, outreach and (alcoholism)
 R18AA-00453-03 Services for problem drinking drivers
 R18AA-00454-03 Services for problem drinking drivers
 R18AA-00409-03 Services for problem drinking drivers
 R18AA-00461-03 Services for problem drinking drivers
 R18AA-00454-03 Services for problem drinking drivers
 ** R18AA-00466-03 Services for problem drinking drivers
 ** R18AA-00470-01 Services for problem drinking drivers
 R18AA-00479-03 Residential detoxification center for alcoholics
 R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
 ** R18AA-00502-01 Community alcoholism services poverty program
 R18AA-00503-03 Western Michigan comprehensive alcoholism services
 R18AA-00504-03 Alcoholism program
 R18AA-00507-02 Community alcoholism services
 R18AA-00611-02 Community alcoholism program
 R18AA-00513-03 Miccosukee alcoholism services program
 ** R18AA-00516-03 The Anchorage native half-way house
 R18AA-00518-03 Superior Indian associan AA GA-WEIN (No) group
 ** R18AA-00521-01 Indian community alcoholism program
 R18AA-00522-02 Ute Mountain CAP—Alcohol Department
 R18AA-00523-02 Standing Rock comprehensive program
 R18AA-00527-03 Row Mexico intertribal council on social problems
 R18AA-00530-03 Community alcoholism services Indian program
 ** R18AA-00522-01 Metlakatle Indian community alcoholism services
 R18AA-00533-03 Alcohol awareness as it affects the Indian child
 R18AA-00536-03 Community alcoholism services Indian program
 R18AA-00530-03 Indian alcoholism program
 R18AA-00542-02 Cleveland American Indian community alcoholism services
 R18AA-00543-03 Cheyenne-Arapaho alcoholic rehabilitation center
 R18AA-00544-03 American Indian Services, Inc.
 R18AA-00545-03 Salt River community alcoholism program
 R18AA-00546-02 Pueblo of Acoma alcoholism and treatment program
 R18AA-00552-03 American Indian special services project
 R18AA-00533-03 Cheyenne River alcohol and drug abuse program
 R18AA-00560-03 Native American alcoholism and drug abuse program
 R18AA-00562-03 Umetilla tribal alcohol program
 R18AA-00563-03 Mesquakie program on problem drinking
 R18AA-00564-03 Friendship House Community Rehabilitation Center

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(contd)

** R18AA-00567-03 USET-Education in comprehensive alcoholism programs

** R18AA-00569-01 AN DAW ING Community alcoholism services

** R18AA-00575-03 Sandoval County Indian pueblos alcoholism program

R18AA-00576-03 Inter-tribal alcoholism and rehabilitation program (Oklahoma)

** R18AA-00577-01 White earth reservation alcoholism program

R18AA-00578-03 Mesalero alcoholism project (New Mexico)

R18AA-00582-03 Seminole Comprehensive Alcoholism Program

R18AA-00583-02 Papago alcoholism prevention program

** R18AA-00594-03 Community alcoholism services-Public inebriate program

** R18AA-00595-03 Seattle skid road public inebriate program

** R18AA-00596-03 Baltimore comprehensive public inebriate program

** R18AA-00597-03 Community alcoholism services public inebriate program

R18AA-00605-03 Services for problem drinking drivers

R18AA-00605-03 Services for problem drinking drivers

R18AA-00609-02 Alcoholism rehabilitation

** R18AA-00611-02 Jicarilla apache alcoholism program

** R18AA-00615-02 Community alcoholism services

R18AA-00616-02 Eastern Montana alcoholism program

R18AA-00619-02 Waldo-Knox alcoholism counseling and recovery program

R18AA-00621-02 Alcoholism project

R18AA-00624-02 Alcoholism, counseling and treatment

R18AA-00628-02 Crow tribe alcoholism program

** R18AA-00653-02 Northern Cheyenne alcoholism project

** R18AA-00654-02 Mission unity group

R18AA-00609-02 Northwest costal tribes-Alternatives to alcoholism

R18AA-00692-02 Community alcoholism services poverty program

R18AA-00693-02 Community Alcoholism Services Poverty Program

R18AA-00695-02 NCAC Alcohol Program

R18AA-00695-02 Community alcoholism services poverty program

R18AA-00702-02 Alcoholism counseling and recovery

R18AA-00710-02 Community alcoholism services poverty program

R18AA-00713-02 Community alcoholism service poverty program

R18AA-00714-02 Alcohol recovery program

** R18AA-00715-02 Napa Council on alcoholic problems

R18AA-00717-02 Rocky Bay alcoholism program

R18AA-00718-02 Community action committee alcohol rehabilitation program

R18AA-00720-02 Progressive community club, Inc.

** R18AA-00721-02 Comprehensive alcoholism services

** R18AA-00727-02 Community Alcoholism Services Poverty Program

** R18AA-00728-01 Community alcoholism service-Provert program

** R18AA-00732-01 Element alcoholic treatment center

** R18AA-00737-01 North Haven community employee program

** R18AA-00741-02 Community alcoholism services poverty program

** R18AA-00742-02 Community action program on alcoholism (CAPA)

** R18AA-00743-02 Row York City Community Development Agency alcoholism information depots

** R18AA-00744-02 Alcoholic incentive ladder program

** R18AA-00750-01 San Joaquin County Indian alcoholism program

** R18AA-00771-01 Owl region rural alcohol demonstration program

R18AA-00776-01 Transitional alcoholic halfway house

R18AA-00793-02 A community response to alcoholism

R18AA-00798-02 Ft Yuma Council on Alcoholism and Drug Abuse

R18AA-00801-01 Five county demonstration for treatment of alcoholism

** R18AA-00608-01 Alcoholism community service education and advocacy

R18AA-00617-01 Info Now-24 hour crisis intervention plan (Delaware valley)

R18AA-00618-01 Identification/treatment alcoholic in court system

** R18AA-00822-01 Community alcoholism services poverty program

** R18AA-00825-02 Community alcoholism services poverty program

R18AA-00826-02 Community alcoholism services poverty program

R18AA-00827-02 Community alcoholism services poverty program

R18AA-00628-02 Alcoholism counseling and recovery program

R18AA-00829-02 Alcoholic rehabilitation program (action)

R18AA-00831-02 Garratt County Alcoholism Services

R18AA-00834-02 Alcoholism counseling and recovery

** R18AA-00835-02 Southern Ute alcoholism program

** R18AA-00837-02 Alcoholism rehabilitation project

** R18AA-00838-02 Cambridge Economic Opportunity Committee community alcoholism program

** R18AA-00883-02 Community agency serving alcoholics

** R18AA-00844-02 Inter-Lakes community action alcohol program

** R18AA-00845-02 Alcoholism rehabilitation program

** R18AA-00848-02 Red Lake tribal council-alcoholic rehabilitation

** R18AA-00861-02 Hampshire community alcoholism project

R18AA-00855-02 Indian River County alcohol and drug abuse program

** R18AA-00860-02 Colville Indian alcoholism program

** R18AA-00862-02 Yakima alcoholism outreach program

** R18AA-00853-02 Comprehensive alcoholism recovery program

R18AA-00864-02 Community action council alcoholism program

R18AA-00025-02 Community alcoholism services poverty program

** R18AA-00867-01 Eagle Yukon Recreation Center

** R18AA-00870-02 Community alcoholism counseling and recovery program

R18AA-00871-02 Alcoholism and family counseling

** R18AA-00872-02 Alcoholism counseling and recovery program

R18AA-00873-02 Alcoholic family rehabilitation agency

R18AA-00862-02 Blackfoot alcoholism program

R18AA-00855-02 Community alcoholism service poverty program

R18AA-00844-02 SRCAA community alcoholism services poverty program

R18AA-00855-02 Community alcoholism service poverty program

R18AA-00886-02 Alcohol rehabilitation and employment program

R18AA-00889-02 Support for alcoholism control program

R18AA-00890-02 Vermilion County community action agency

R18AA-00891-02 Cherokee alcoholism rehabilitation and education

R03AA-00892-01 Urban Chippewa alcoholics-A clinical survey

R18AA-00901-02 Indian alcoholism and drug abuse outreach

R18AA-00909-02 Leech Lake Indian Reservation alcoholism program

** R18AA-00010-02 Community center for alcoholism of Jefferson County

R18AA-00015-01 (Alaska)

** R18AA-00918-01 Mid-delta alcoholism services for the poor

R18AA-00923-02 Little Crow alcoholic counseling and referral program

** R18AA-00926-02 Community alcoholism services poverty program

** R18AA-00928-02 Inner city council on alcoholism

R18AA-00929-02 Community alcoholism services poverty program

R18AA-00932-02 Northeast Kansas alcoholism poverty program

** R18AA-00933-02 Community alcoholism services poverty program

R18AA-00934-02 City of Phoenix-Family alcoholism project

** R18AA-00936-01 No. Central Florida rural alcoholism project

** R18AA-00945-01 Indian community alcoholism services special demonstration

** R18AA-00954-02 Alcoholic education rehabilitation program

R18AA-00955-02 Burlington County alcoholism program and center

** R18AA-00984-02 Multi-service alcohol treatment program

** R18AA-01013-01 Community family therapy outreach alcoholism program

R18AA-01024-02 Alcoholism information and referral center

** R18AA-01025-02 Alcoholism rehabilitation

** R18AA-01027-02 Community alcohol service poverty program

** R18AA-01028-02 Support for alcoholism control program

** R18AA-01031-02 Support for alcoholism control program

** R18AA-01042-02 Community alcoholism rehabilitation and education

** R18AA-01046-02 Community alcoholic rehabilitation program

R18AA-01048-02 Alcoholic rehabilitation program

** R18AA-01054-02 Hopi alcoholism program

R18AA-01057-02 Alcohol counseling program

** R18AA-01068-02 Community alcoholism services and poverty program

** R18AA-01073-02 Support for alcoholism control program

R18AA-01122-02 Alcoholism program

R18AA-01131-02 Orange County poverty alcoholism proposal

R18AA-01132-02 RECAP alcoholism program

R18AA-01133-02 Alcoholic information and referral services

R18AA-01137-01 Community alcoholism program

R18AA-01138-01 Alcoholism services center

R18AA-01145-02 Anti-alcoholism program

R18AA-01147-02 Alcoholic rehabilitation program

** R18AA-01148-02 Support for alcoholism control program

R18AA-01149-01 Alcoholism counseling and recovery program

R18AA-01151-01 Low income component of Spokane alcohol service system

** R18AA-01154-02 United Planning Organization community alcoholism services

R18AA-01156-01 Economic opportunity agency of Palushi Co alcoholism program

R18AA-01159-02 Comprehensive alcoholism project

R18AA-01163-01 Alcoholic counseling and recovery program

R18AA-01166-01 Southwestern Wisconsin alcoholism program

R18AA-01177-01 South County alcoholism information and referral center

R18AA-01184-01 Alcoholism counseling and recovery program

** R18AA-01201-02 Support for alcoholism control program

R18AA-01206-01 Community alcoholism services poverty program

R18AA-01211-01 Alcoholism prevention and treatment project

R18AA-01223-01 Community alcoholism services-Poverty program

R18AA-01232-01 Alcoholism information and counseling program

R18AA-01234-01 Anchorage social development center project

R18AA-01235-01 Alcoholism counseling and recovery program

** R18AA-01237-02 Community alcoholism services poverty program

** R18AA-01241-01 Community alcoholism services poverty program

R18AA-01246-01 Community alcoholism poverty program

** R18AA-01255-01 Evansville alcoholism service

R18AA-01256-01 Twin Hills village alcoholism service (Alaska)

R18AA-01264-01 Albiok alcoholism service (Alaska)

R18AA-01267-01 Community alcoholism service poverty program

** R18AA-01269-01 Community Alcoholism Services Poverty Program

** R18AA-01291-01 Kingitlime arts and crafts project

** R18AA-01296-01 Barrow council on alcoholism

R18AA-01302-01 'Upper Kalstak' village council on alcoholism (Alaska)

R18AA-01303-01 Tanana alcoholism program (Alaska)

R18AA-01304-01 Cheternak council on alcoholism (Alaska)

R18AA-01306-01 Neesaa Community Alcoholism Center (Alaska)

R18AA-01308-01 Circle Village Community Center (Alaska)

R18AA-01312-01 Atkasook Council on Alcoholism (Alaska)

R18AA-01313-01 Bethel council on alcoholism (Alaska)

R18AA-01314-01 Rampart village alcoholism program (Alaska)

R18AA-01321-01 Noatak council on alcoholism (Alaska)

R18AA-01323-01 Shungnak council on alcoholism (Alaska)

R18AA-01329-01 St Paul family recreation center (Alaska)

R18AA-01332-01 Andreaskai Townsite (Alaska)

R18AA-01336-01 Kiana council on alcoholism (Alaska)

R18AA-01342-01 Ruby Native Council (Alaska)

R18AA-01344-01 Healy Lake Village council (Alaska)

R18AA-01346-01 Hoonah alcoholism service (Alaska)

R18AA-01347-01 Larsen Bay council on alcoholism (Alaska)

R18AA-01357-01 Dillingham Awareness House (Alaska)

R18AA-01360-01 Golovin city council (Alaska)

R18AA-01362-01 Kotzebue council on alcoholism (Alaska)

R18AA-01306-01 Napakuk Council on Alcoholism (Alaska)

R18AA-01367-01 Village alcoholism program (Alaska)

R18AA-01368-01 Chignik Village alcoholism service (Alaska)

R18AA-01383-01 Alcohol counseling and recovery programs

** R18AA-01394-01 Dona Ana alcoholism treatment program

** R18AA-01411-01 Phoenix urban Indian alcoholism program

R18AA-01475-01 Women's alcoholism program

R18AA-01476-01 Alcoholism emergency care services

R18AA-01482-01 Alcohol program for migrants and farmworkers

R18AA-01484-01 Human intervention and motivation study (air line pilots)

** R18AA-01491-01 Care system for public inebriates in Rutland County

** R18AA-01497-01 West Side non-medical detoxification

R18AA-01504-01 Monitoring of occupational alcoholism programming (private and public agencies)

** R18AA-01507-01 Alcohol counseling and education

** R18AA-01526-01 Community alcoholism and treatment service program

R18AA-01541-01 Cave run comprehensive care center

R18AA-01546-01 Cocopah alcoholism program

R18AA-01546-01 Fort Yuma Quechan Friendship House

** R18AA-01573-01 St John's Hospital comprehensive alcoholism services program

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Govt has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

R18AA-01574-01 Bowers residents' committee ambulatory drop-in center
 R18AA-01594-01 Employee assistance program
 ** R18AA-01597-01 Untreated alcoholics—Casefinding, referral, service
 ** R18AA-01601-01 Lee-Harnett area alcoholism project
 R18AA-01604-01 Early identification and referral model
 R18AA-01609-01 Thurston County Indian alcoholism program
 R18AA-01615-01 Community alcoholism services Spanish-American
 ** R18AA-01618-01 Young people residential center
 R18AA-01619-01 Comprehensive rural alcoholism program
 R18AA-01645-01 Alcoholism outreach counselors
 ** R18AA-01653-01 Alcoholism treatment program and referral system
 ** R18AA-01663-01 Newport regional comprehensive alcoholism program
 R18AA-01672-01 Cumberland River Mental Health-Mental Retardation Board, Inc.
 ** R18AA-01675-01 Rockland County comprehensive alcoholism service programs
 R18AA-01676-01 Joel Fairbanks aftercare residence
 R18AA-01682-01 Black alcoholism—Education, outreach and treatment
 R18AA-01683-01 Mississippi river human services center
 ** R18AA-01697-01 Alcoholism rehabilitation service
 ** R18AA-01704-01 Pines Peak alcoholism service division
 ** R18AA-01722-01 Southern Colorado comprehensive alcoholism program
 R18AA-01752-01 Expansion of state occupational alcoholism services
 R18AA-01766-01 Occupational alcoholism research and training service
 R18AA-01771-01 Community poverty alcoholism rehabilitation program
 R18AA-01797-01 Alaska state alcoholism program
 R18AA-01804-01 Alcoholism prevention coordinator
 R18AA-01805-01 State prevention coordination program
 ** R18AA-01807-01 Vermont state prevention coordinator program
 ** R18AA-01810-01 Community alcoholism services poverty program
 R18AA-01828-01 State prevention coordinator program
 ** R18AA-01830-01 Prevention of alcohol abuse
 ** R18AA-01832-01 Alcohol abuse prevention services
 R18AA-01846-01 Alcoholism prevention coordinator
 R18AA-01847-01 Services for problem drinking drivers
 N01AA-40001-00 Technical assistance to Alaskan native alcoholism program
 ** N01AA-40029-00 International symposium on alcoholism
 N01DA-00001-05 Provide rehabilitation services to narcotic addicts
 N01DA-00002-05 Provide services to narcotic addicts
 R25DA-00160-03 Narcotics information program and pilot study (American Indians)
 R25DA-00163-03 Mobilization of Vermont resources for drug education
 R25DA-00172-03 Peer-oriented drug abuse educational network
 R25DA-00174-03 Drug education course for public school personnel
 ** R25DA-00180-02 Chicano youth drug prevention and treatment project
 R25DA-00237-02 Project INFO, Inc
 ** P01DA-00250-03 0015 Research center—Studies of drug dependence and abuse - Studies in the Illinois drug abuse program
 ** R25DA-00546-03 Coordinated inter-agency drug abuse training
 ** R25DA-00548-03 A community drug education program
 R25DA-00675-02 Metro drug awareness
 R25DA-00935-01 Community education project for Mexican-American
 P01DA-01097-01 0010 Center for socio-cultural research on drug use - Critical panel study
 N01DA-10102-04 Training for drug abuse programs personnel
 N01DA-20132-02 Evaluation of NMH drug abuse community assistance program
 N01DA-30154-00 Evaluation of drug abuse treatment programs
 N01DA-40101-00 Survey and analyze multi-services drug program for adolescents
 P01HD-03144-07 0012 Development of culturally deprived children - Language, social and preacademic skills in community day-care center
 P01HD-03144-07 0013 Development of culturally deprived children - Maintaining school performance through continuing community center activities
 ** P01HD-03352-07 0028 Wisconsin center on mental retardation - Self-maintenance behavior of adult retardates in community
 ** P01HD-04299-05 Intervention and mental health of infants
 ** G07LM-02057-01 Medical library resource improvement support
 P01MH-08667-10 0015 A longitudinal epidemiology of impaired competence - Riverside community study—Retardates
 R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)

R01MH-14734-13 An evaluation of differential treatment for delinquents
 R01MH-14934-08 A multi-state information system for psychiatric patients
 ** R01MH-15008-06 Treatment deployment for chronic psychotics
 R01MH-15606-07 Adaptive behavior in varied high school environments
 R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 ** R01MH-16125-06 Family mental health—Diffusing community strategies
 ** R01MH-16420-05 Community mental health workers demonstration project
 ** R01MH-16927-03 Stigma and the community care of the psychiatric patient
 ** R01MH-17367-03 Community impact of suicide prevention services
 ** R01MH-17508-03 Effectiveness of regulatory systems for problem youth
 R01MH-18013-04 Goal (Belgium) foster family care research project (human)
 ** R01MH-18051-04 Aging and the use of community resources (human)
 ** R01MH-18646-03 Developmental approach to community change
 R01MH-18813-04 Group integration and behavioral change (human)
 R01MH-18846-03 Outcome of crisis intervention treatment
 R01MH-18958-02 Social activism and the mental health workers role
 R01MH-18988-02 Helping services used by adoptive and natural parents
 R01MH-19649-03 The impact of mental illness on the family (human)
 ** R01MH-19687-02 Specialized consultation on programming for the aged
 R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
 ** P01MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome—Recovery determinants
 ** R01MH-20030-04 Achievement place—Phase III (human)
 ** N01MH-20065-01 Evaluation of child advocacy projects
 ** N01MH-20110-00 Evaluate impact of community mental health center consultation services
 ** N01MH-20121-00 Develop basic guide for mental health needs
 ** N01MH-20181-00 Training program on cost analysis of community mental health centers
 ** N01MH-20204-01 Report on pre-paid group health insurance
 ** N01MH-20212-01 Progress toward community mental health center program objective
 R01MH-20593-03 Short versus long hospitalization—A controlled study
 ** R01MH-20681-02 Community mental health epidemiology—Nashville, Tennessee
 R12MH-20745-03 Insurance and linking the insured to a MH care system
 ** R01MH-20764-03 From need to service—A health center as gatekeeper (human)
 R01MH-21304-03 Philadelphia assault victim study
 R01MH-21344-02 Home vs hospital care of behavior disordered children
 R03MH-21481-01 Development of youth-directed multi-service center
 R01MH-21643-01 Therapeutic effectiveness of halfway house program
 ** R01MH-21708-02 Assessing relevance of indirect services in schools
 R01MH-21724-02 Sub-cultural conceptions of mental illness
 ** R01MH-21742-02 Citizen evaluation of community mental health center services
 ** R01MH-21811-01 Human predicaments and human services
 R01MH-21911-02 Utah mental health information diffusion agent
 R01MH-22336-02 College students in mental health service projects
 R01MH-22358-02 Bridge program—Year-round psycho-educational program
 ** R01MH-22370-02 School intervention program
 R01MH-22563-01 Folk healers and community mental health programming
 R01MH-22575-01 Divorce, role and health status and service systems
 R01MH-22683-02 Knowledge transfer in mental health services
 R01MH-22808-02 Legislative change and rural/urban MH delivery systems
 R01MH-22891-02 Crisis intervention by the use of telephone therapy
 ** R01MH-22915-02 Detection of behavior outbreaks with community data
 R01MH-23538-02 Ramon Navajo school social services
 ** R01MH-23699-02 Model for urban/rural mental health system
 R01MH-23755-01 Longitudinal study—Intermediate housing for elderly

R01MH-23775-01 Huckleberry house youth service center
 ** R01MH-23810-01 An interagency system to deliver human services
 ** R01MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)
 ** R01MH-23993-01 A study of Asian American communities in Chicago
 R01MH-24154-01 Comparison of centralized/decentralized CMHC services
 ** R01MH-24287-01 California's new mental health law—Longitudinal study
 ** R03MH-24401-01 Community health survey project
 ** R01MH-24428-01 Knowledge and skill needs of community mental health
 R01MH-24656-01 The psychology of Black Gangs—Mental illness or mental health
 ** R01MH-24759-01 A decision support system for community mental health
 ** R01MH-24817-01 Human development model for mental health services
 R01MH-24867-01 A mental health system for infants and young children
 R01MH-24889-01 Community based program for mentally frail elderly
 ** R01MH-24894-01 Mutual aid systems approach to school mental health
 ** R12MH-24924-01 Exploration of a social change model
 R01MH-24961-01 Self-help groups as mental health resources
 R01MH-24976-01 NMH-PRB collaborative study of long acting fluoxetine
 R01MH-24978-01 NMH-PRB collaborative study on long acting fluoxetine
 ** R01MH-24982-02 Neighborhood helping networks in urban community
 R12MH-25121-01 Dissemination and utilization of information
 R01MH-25333-01 Evaluation of youth diversion in a small city
 R01MH-25351-01 Prevention programs in community mental health centers
 R01MH-25388-02 Applied training in human service system technology
 ** R01MH-25431-01 Epidemiology of acceptance of mental health services
 ** R01MH-25520-01 Data systems for minority mental health services
 ** R01MH-25548-01 Community based treatment and prevention
 R01MH-25551-01 Mental health R and D center in black communities
 R01MH-25589-01 Asian American mental health research center
 R01MH-25604-01 Evaluation of group homes for delinquent youths
 R01MH-25631-01 Achievement place evaluation
 ** R01MH-26099-01 Mental health service utilization by Mexican Americans
 R01MH-26124-01 Home-based treatment of the juvenile probationer
 ** N01MH-30059-00 Conference on community mental health training
 ** N01MH-30078-00 Community health centers services for children
 ** N01MH-30162-00 Development and test of cost effectiveness for CMHC's
 ** N01MH-30179-00 Community mental health service evaluation procedures
 ** N01MH-30186-00 impact of community mental health services on state mental hospitals
 ** N01MH-30196-00 Conferences on 'Community Mental Health Centers in providing services to the aged
 ** N01MH-30201-00 Community mental health program evaluation conference
 ** N01MH-40005-00 Volunteer services
 ** N01MH-40006-00 Report on first experimental capitation funding
 ** N01MH-40008-00 Mental health services to flood victims—Pennsylvania
 ** N01MH-40026-00 Improvement in state mental hospital utilization
 N01MH-40052-00 Mental health manpower development in Virginia
 ** N01MH-40059-00 Housing needs of ex-mental patients
 N01MH-40065-00 Youth runaway program (training assessment)
 N01MH-40066-00 Youth runaway program (assessment)
 ** N01MH-40071-00 Evaluation of community mental health centers
 ** N01MH-40080-00 Study of social planning
 N01MH-40091-00 Evaluation of a prototype psychiatric PSRO
 N01MH-40066-00 Youth runaway program (demonstration)
 N01MH-40097-00 Youth runaway program (demonstration)
 N01MH-40098-00 Youth runaway program (demonstration)
 N01MH-40099-00 Youth runaway program (demonstration)
 N01MH-40100-00 Youth runaway program (demonstration)
 N01MH-40101-00 Youth runaway program (demonstration)
 N01MH-40105-00 Youth runaway program (demonstration)
 N01MH-40107-00 Youth runaway program (demonstration)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NO1NH-40111-00 Youth runaway program (documentation and assessment)
 NO1NH-40112-00 Youth runaway program (assessment)
 NO1NH-40113-00 Youth runaway program
 NO1NH-40116-00 Youth runaway program (training assessment)
 NO1NH-40117-00 Youth runaway program (training and assessment)
 NO1NH-90097-12 Planning evaluation of community mental health centers

MENTAL HEALTH SERVICES, COUNSELING

SEE ALSO FAMILY, MARRIAGE COUNSELING
 ** R18AA-00003-01 Services for problem drinking drivers Seabrook House—Alcoholism rehabilitation center
 R18AA-00625-02 Swinomish Indian alcoholism prevention and control
 R18AA-00050-02 E.O.C. Alexandria center for alcoholism
 R18AA-00050-02 East central task force on alcoholism
 R18AA-00058-01 Mendocino County alcoholism project
 R18AA-00069-02 Alcohol and recovery program
 R18AA-00609-02 Rehabilitation (alcoholism)
 R18AA-00874-02 Community alcoholism services poverty program—New York
 R18AA-00609-02 Alcoholism rehabilitation services
 R18AA-00085-02 Alcoholism counseling program
 R18AA-00807-02 Community alcoholism services poverty program
 R18AA-00089-02 Indian lodge recovery home
 R18AA-00094-02 Alcoholism rehabilitation center
 R18AA-00095-02 Navajo alcoholism rehabilitation and education program
 R18AA-00609-02 Alcohol prevention and treatment program
 R18AA-00697-02 Community alcoholism services poverty program—Missouri
 R18AA-00100-02 Community alcoholism services poverty program
 R18AA-00100-02 Community alcoholism services Indian program
 R18AA-00119-03 Occupational alcoholism program
 R18AA-00151-03 Ohio occupational alcoholism program service
 R18AA-00166-03 Department of alcoholic rehabilitation
 R18AA-00402-01 Personal guidance service
 R18AA-00408-03 Washington Hospital Center—Alcoholism program
 R18AA-00412-03 Troubled employee health evaluation plan
 R18AA-00414-03 Maryland state employees alcoholism program
 R18AA-00425-02 Plainfield Public Welfare Department
 R18AA-00434-03 Alcoholism outreach and follow-up project (El Paso)
 R18AA-00435-03 Services for problem drinking drivers
 R18AA-00457-03 Community reinforcement for treating alcoholics
 R01AA-00458-03 Identifying and treating the self-destructive drinker
 R18AA-00470-01 Services for problem drinking drivers
 R18AA-00485-03 Demonstration-tri-cultural alcoholism treatment program
 R18AA-00502-01 Community alcoholism services poverty program
 R18AA-00503-03 Western Michigan comprehensive alcoholism services
 R18AA-00510-03 Chamawa alcoholism education program
 R18AA-00511-02 Community alcoholism program
 R18AA-00515-03 Hualapai alcoholism project
 R18AA-00522-02 Ute Mountain CAP—Alcohol Department
 R18AA-00525-03 Sacramento Indian center alcoholism awareness project
 R18AA-00525-03 Upper Tanana region alcohol and drug program
 R18AA-00599-03 Indian alcoholism program
 R18AA-00542-02 Cleveland American Indian community alcoholism services
 R18AA-00545-03 Salt River community alcoholism program
 R18AA-00546-02 Pueblo of Acoma alcoholism and treatment program
 R18AA-00547-03 Community alcoholism services Indian program
 R18AA-00563-03 Mesquakie program on problem drinking
 R18AA-00575-03 Sandeal County Indian pueblos alcoholism program
 R18AA-00576-03 Inter-tribal alcoholism and rehabilitation program (Oklahoma)
 ** R18AA-00577-01 White north reservation alcoholism program
 R18AA-00579-01 Montana Indian commission on alcoholism
 R18AA-00580-03 Resealed Sioux Alcohol Control Program, Inc.
 R18AA-00582-03 Seminole Comprehensive Alcoholism Program
 R18AA-00583-02 Papage alcoholism prevention program
 ** R18AA-00585-01 Keweenaw Bay Indian center alcoholism program
 R18AA-00829-02 Alcoholism-cultural heritage program
 R18AA-00596-03 Baltimore comprehensive public inebriate program

R18AA-00605-03 Services for problem drinking drivers
 R18AA-00803-02 Community alcoholism services poverty program
 ** R18AA-00611-02 Jcarilla apache alcoholism program
 R18AA-00613-02 Community alcoholism services poverty program
 R18AA-00614-02 Alcoholism treatment and prevention program
 R18AA-00615-02 Community alcoholism services
 R18AA-00616-02 Eastern Montana alcoholism program
 R18AA-00618-02 Spokane Indian alcoholism project
 R18AA-00619-02 Waldo-Knox alcoholism counseling and recovery program
 R18AA-00620-02 Tri-county aid to alcoholics project (tri-county AAF)
 R18AA-00621-02 Alcoholism project
 R18AA-00624-02 Alcoholism, counseling and treatment
 R18AA-00625-02 Three affiliated tribes alcoholism rehabilitation program
 R18AA-00651-02 Community alcoholism services poverty program
 R18AA-00652-02 Poverty alcoholism program
 R18AA-00668-02 Alcohol counseling and recovery program
 R18AA-00669-02 Northwest coastal tribes—Alternatives to alcoholism
 R18AA-00670-02 Alcoholism rehabilitation program
 R18AA-00671-02 ITC alcoholism rehabilitation program
 R18AA-00702-02 Alcoholism counseling and recovery program
 R18AA-00706-01 Community alcoholism services Indian program (California)
 R18AA-00709-02 Crow Creek alcoholism program
 R18AA-00713-02 Community alcoholism services poverty program
 R18AA-00714-02 Alcohol recovery program
 R18AA-00717-02 Rocky Bay alcoholism program
 R18AA-00718-02 Community action committee alcohol rehabilitation program
 R18AA-00720-02 Progressive community club, Inc.
 R18AA-00721-02 Comprehensive alcoholism services
 R18AA-00742-02 Community action program on alcoholism (CAPA)
 R18AA-00744-02 Alcoholic incentive ladder program
 ** R18AA-00746-01 Indian program alcoholism counseling
 R18AA-00793-02 A community response to alcoholism
 R18AA-00793-02 Ft Yuma Council on Alcoholism and Drug Abuse
 R18AA-00983-02 Alcoholism counseling and recovery program
 R18AA-00805-01 Alcoholic rehabilitation and counseling program
 R18AA-00617-01 Info Now—24 hour crisis intervention plan (Delaware valley)
 R18AA-00019-01 Detroit Civil Service demonstration project
 R18AA-00625-02 Community alcoholism services poverty program
 R18AA-00928-02 Community alcoholism services poverty program
 R18AA-00827-02 Community alcoholism services poverty program
 R18AA-00928-02 Alcoholism counseling and recovery program
 R18AA-00834-02 Alcoholism counseling and recovery
 R18AA-00835-02 Southern Ute alcoholism program
 R18AA-00837-02 Alcoholism rehabilitation project
 R18AA-00838-02 Cambridge Economic Opportunity Committee community alcoholism program
 ** R18AA-00042-01 Mercer alcoholism program
 R18AA-00843-02 Community agency serving alcoholics
 R18AA-00848-02 Red Lake tribal council-alcoholic rehabilitation
 R18AA-00805-01 Venetia alcoholism service
 R18AA-00872-02 Alcoholism counseling and recovery program
 R18AA-00882-02 Blackfeet alcoholism program
 R18AA-00886-02 Community alcoholism service poverty program
 R18AA-00898-02 Alcohol rehabilitation and employment program
 R18AA-00089-02 Support for alcoholism control program
 R18AA-00890-02 Vermilion County community action agency
 R18AA-00891-02 Cherokee alcoholism rehabilitation and education
 R18AA-00901-02 Indian alcoholism and drug abuse outreach
 R18AA-00907-02 Alcoholic counseling and recovery program
 R18AA-00010-02 Community center for alcoholism of Jefferson County
 R18AA-00923-02 Little Crow alcoholic counseling and referral program
 R18AA-00924-02 Center for drinking problem
 R18AA-00029-02 Community alcoholism services poverty program
 R18AA-00932-02 Northeast Kansas alcoholism poverty program
 R18AA-00933-02 Community alcoholism services poverty program
 R18AA-00934-02 City of Phoenix—Family alcoholism project

R18AA-00983-02 Alcoholism counseling program
 R18AA-00983-02 Multi-service alcohol treatment program
 R18AA-01025-02 Alcoholism rehabilitation
 ** R18AA-01027-02 Community alcohol service poverty program
 R18AA-01040-02 Alcoholism Outreach Program
 R18AA-01045-02 Community alcoholism services
 R18AA-01046-02 Community alcoholic rehabilitation program
 R18AA-01040-02 Support for alcoholism control program
 R18AA-01055-02 Mahakah alcoholism program
 R18AA-01058-01 Community alcoholism services—Poverty program
 R18AA-01069-02 Mid-Carolina Council on Alcoholism
 R18AA-01070-02 OCCSA Aik Rehab Project
 R18AA-01074-02 GLTC, Inc., alcoholism treatment program
 R18AA-01099-01 Klawock alcohol abuse program (Alaska)
 R18AA-01133-02 Alcoholic information and referral services
 R18AA-01138-01 Alcoholism services center
 R18AA-01148-02 Support for alcoholism control program
 R18AA-01149-01 Alcoholism counseling and recovery program
 R18AA-01154-02 United Planning Organization community alcoholism services
 R18AA-01155-02 Area alcoholism poverty program
 R18AA-01156-01 Economic opportunity agency of Peleahai Co alcoholism program
 R18AA-01158-01 Licking County alcoholism prevention program
 R18AA-01160-02 Choctaw community alcoholism services (Indian program)
 R18AA-01163-01 Alcoholic counseling and recovery program
 R18AA-01166-01 Southwestern Wisconsin alcoholism program
 R18AA-01169-01 J.C.E.O.C. alcoholism community action program
 R18AA-01170-02 Community alcoholism services poverty program
 R18AA-01177-01 South County alcoholism information and referral center
 ** R18AA-01180-02 Alcoholism counseling project
 R18AA-01184-01 Alcoholism counseling and recovery program
 R18AA-01192-01 Inner-city alcohol recovery and rehabilitation project
 R18AA-01201-02 Support for alcoholism control program
 ** R18AA-01205-01 CAA Delaware, Medicine and Union Counties alcoholism project
 R18AA-01206-01 Community alcoholism services poverty program
 R18AA-01211-01 Alcoholism prevention and treatment project
 R18AA-01221-01 Community alcoholism services poverty program
 R18AA-01223-01 Community alcoholism services—Poverty program
 R18AA-01232-01 Alcoholism information and counseling program
 R18AA-01234-01 Anchorage social development center project
 R18AA-01235-01 Alcoholism counseling and recovery program
 R18AA-01241-01 Community alcoholism services poverty program
 ** R18AA-01247-01 Community alcoholism services poverty program
 R18AA-01267-01 Community alcoholism service poverty program
 R18AA-01269-01 Community Alcoholism Services Poverty Program
 R18AA-01293-01 Wildwood council on alcoholism
 R18AA-01296-01 Barrow council on alcoholism
 R18AA-01340-01 Mt Edgcombe high school—Council on alcoholism (Alaska)
 R18AA-01346-01 Hoonah alcoholism service (Alaska)
 R18AA-01357-01 Dillingham Awareness House (Alaska)
 R18AA-01383-01 Alcohol counseling and recovery programs
 ** R18AA-01410-01 Cheyenne alcoholism counseling program
 R18AA-01460-01 Apache comprehensive care center (planning)
 R18AA-01475-01 Women's alcoholism program
 R18AA-01477-01 Community alcoholism services poverty program
 R18AA-01482-01 Alcohol program for migrants and farmworkers
 R18AA-01487-01 Columbia Point alcoholism program
 R18AA-01491-01 Care system for public inebriates in Rutland County
 R18AA-01507-01 Alcohol counseling and education
 R18AA-01509-01 Uintah and Urray indian recovery center
 R18AA-01546-01 Fort Yuma Quechan Friendship House
 R18AA-01574-01 Bowery residents' committee ambulatory drop-in center
 R18AA-01583-01 Alcoholism service delivery project
 R18AA-01601-01 Lee-Harnett area alcoholism project
 R18AA-01609-01 Thurston County Indian alcoholism program

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 III Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

R18AA-01642-01 Social Development center
 R18AA-01645-01 Alcoholism outreach counselors
 R18AA-01653-01 Alcoholism treatment program and referral system
 R18AA-01663-01 Newport regional comprehensive alcoholism program
 R18AA-01676-01 Joel Fairbanks aftercare residence
 R18AA-01694-01 Expansion funds for court advocate and staff (American Indians)
 R18AA-01718-01 Court alcohol abuse program
 R18AA-01766-01 Occupational alcoholism research and training service
 R18AA-01771-01 Community poverty alcoholism rehabilitation program
 R18AA-01810-01 Community alcoholism services poverty program
 R18AA-01833-01 Texas alcoholism prevention program
 R18AA-01847-01 Services for problem drinking drivers
 ** N01AA-40010-00 Certification criteria for alcoholism counselors and staff
 ** N01AA-40014-00 Pastoral counseling related to alcoholism in navy
 ** N01AA-40033-00 Training of thirty ex-convicts as alcoholism counseling
 ** N01AH-24060-03 Guidance and counseling services for carers in allied health
 N01AH-24064-02 Expand MEDINC program in Arkansas
 N01DA-00001-05 Provide rehabilitation services to narcotic addicts
 N01DA-00002-05 Provide services to narcotic addicts
 N01DA-00005-05 Provide rehabilitation services to narcotic addicts
 N01DA-00008-00 Provide rehabilitation services to narcotic addicts
 N01DA-00013-06 Provide rehabilitation services to narcotic addicts
 N01DA-00014-06 Provide services to narcotic addicts
 N01DA-00016-06 Rehabilitation services to narcotic addicts
 N01DA-00018-04 Provide rehabilitation services to narcotic addicts
 N01DA-00023-07 Rehabilitation services to narcotic addicts
 N01DA-00028-04 Provide rehabilitation services to narcotic addicts
 N01DA-00031-05 Rehabilitation services to narcotic addicts
 N01DA-00063-06 Treatment of narcotic addicts
 N01DA-00066-03 Rehabilitation services to narcotic addicts
 ** N01DA-00072-04 Provide rehabilitation services to narcotic addicts
 R25DA-00767-02 'US' youth senior drug prevention program
 R25DA-00818-01 Early drug abuse intervention
 R25DA-00839-01 Open door preventive drug education program
 R25DA-00931-01 Drug abuse prevention program
 R01DA-00075-01 Treatment for substance abuse program dropouts
 N01DA-10017-05 Rehabilitation services to narcotic addicts
 N01DA-10033-04 Provide rehabilitation services to narcotic addicts
 N01DA-10047-02 Services to narcotic addicts
 N01DA-10048-04 In-patient treatment of narcotic addicts
 N01DA-10093-02 Study drug abuse education facilitators and consultants
 N01DA-20002-01 Provide rehabilitation services to narcotic addicts
 N01DA-20021-01 Service to narcotic addicts
 ** N01DA-20044-01 Treatment of narcotic addicts
 ** N01DA-20062-01 Provide rehabilitation services to narcotic addicts
 ** N01DA-20141-01 Rehabilitation services to narcotic addicts
 ** N01DA-30011-00 Services to narcotic addicts
 N01DA-30020-00 Treatment and rehabilitation for opiate-dependent persons
 N01DA-30049-00 Treatment of opiate dependent persons
 N01DA-30050-00 Treatment of drug dependent persons
 ** N01DA-30052-00 Treatment of drug dependent persons
 N01DA-30055-00 Treatment of drug dependent persons
 N01DA-30056-05 Treatment of drug dependent persons
 N01DA-30153-00 Provide rehabilitation services to narcotic addicts
 ** N01DA-30174-00 Services to narcotics addicts
 N01DA-30176-00 Services to narcotic addicts
 N01DA-40106-00 Services to narcotic addicts
 N01DA-80989-16 Service to narcotic addicts
 N01DA-81468-10 Rehabilitation services to narcotic addicts
 N01DA-81508-06 Rehabilitation services to narcotic addicts
 N01DA-81520-09 Rehabilitation services to narcotic addicts
 N01DA-81526-07 Rehabilitation services to narcotic addicts
 N01DA-81531-06 Rehabilitation services to narcotic addicts

** N01DA-90005-13 Rehabilitation services to narcotic addicts
 ** N01DA-90009-10 Services to narcotic addicts
 ** N01DA-90014-07 Services to narcotic addicts
 N01DA-90025-07 Rehabilitation services to narcotic addicts
 N01DA-90028-07 Rehabilitation services to narcotic addicts
 N01DA-90029-05 Rehabilitation services to narcotic addicts
 N01DA-90033-06 Rehabilitation services to narcotic addicts
 ** N01DA-90036-07 Rehabilitation services to narcotic addicts
 N01DA-90038-06 Services to narcotic addicts
 N01DA-90040-08 Rehabilitation services to narcotic addicts
 N01DA-90064-09 Rehabilitation services to narcotic addicts
 N01DA-90065-06 Rehabilitation services to narcotic addicts
 P01DC-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
 P01HD-03352-07 0032 Wisconsin center on mental retardation - Laboratory of applied behavior analysis and modification
 ** P01HD-03352-07 0033 Wisconsin center on mental retardation - Milwaukee high-risk population laboratory
 ** P01HD-03352-07 0035 Wisconsin center on mental retardation - Rehabilitation related to work adjustment and social skills
 R01HD-07225-01 Birth planning-Values and decisions center - Counseling and social services
 P18HL-15158-03 0009 Comprehensive sickle cell disease center - Clinical services-Adult patients
 P18HL-15158-03 0011 Comprehensive sickle cell disease center - Clinical services-Adult patients
 ** P18HL-15162-03 0008 Comprehensive sickle cell disease center - Consultations
 R01HS-01189-02 Help-seeking experiences and agency characteristics
 R18HS-01501-01 Comprehensive health prison health project
 N01HW-22923-04 Educational diagnosis in nutrition counseling
 R01MH-09215-10 Mobile unit for child health supervision
 R01MH-15867-05 Crisis intervention-Model for prevention (human)
 R01MH-15985-06 Intervention in low base rate social behaviors of boys
 R01MH-17367-03 Community impact of suicide prevention services
 R01MH-18968-02 Helping services used by adoptive and natural parents
 ** R01MH-19642-04 Teaching mothers to alter interactions with children
 R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
 R01MH-20312-03 Demonstration project for urban adolescent parents
 ** R01MH-20628-03 Controlled study of an anti-suicide program
 R03MH-21481-01 Development of youth-directed multi-service center
 R01MH-22370-02 School intervention program
 ** R01MH-22590-02 Impact of instruction and counseling of youth
 ** R01MH-22644-02 Volunteer phone counselors-A study of altruists
 R01MH-22682-03 Demonstration-Mental Health Program-Jr High Schools
 R01MH-22891-02 Crisis intervention by the use of telephone therapy
 R01MH-23125-02 Supportive resources for black adolescent aspiration
 R01MH-23775-01 Huckleberry house youth service center
 R01MH-24817-01 Human development model for mental health services
 R01MH-24902-01 Evaluative study of callers to a crisis hotline
 ** R01MH-25177-01 Reduca aspiration conflict among minority youth
 R01MH-25216-01 Helping relationship in diverse subcultures
 R01MH-25333-01 Evaluation of youth diversion in a small city
 R01MH-26124-01 Home-based treatment of the juvenile probationer
 N01MH-30047-00 Provide treatment and rehabilitation for opiate-dependent persons
 N01MH-80989-15 Service to narcotic addicts
 N01MH-81342-07 Rehabilitation of narcotic addicts
 N01MH-81468-07 Rehabilitation services to narcotic addicts
 N01MH-81470-04 Rehabilitation services to narcotic addicts
 N01MH-81509-06 Rehabilitation services to narcotic addicts
 N01MH-81510-05 Rehabilitation services to narcotic addicts
 N01MH-81521-06 Provide services to narcotic addicts

N01MH-81526-06 Rehabilitation services to narcotic addicts
 N01MH-90008-07 Services to narcotic addicts
 ** N01MH-90040-05 Rehabilitation services to narcotic addicts
 R02HU-00408-03 Improving quality care through performance ratings
 S06RR-08126-01 Turtle Mountain counseling and rehabilitation center
MENTAL HEALTH SERVICES, COUNSELING, GROUP
 SEE ALSO PSYCHOTHERAPY, GROUP THERAPY
 R18AA-00096-02 Alcohol prevention and treatment program
 ** R18AA-00467-03 Utilization of A A in a comprehensive alcoholism system
 R01AA-00498-03 0004 Clinical studies of alcohol use and abuse - Personality and motivations of adolescents associated with alcohol drinking
 R18AA-00512-01 Native American therapy center (alcoholism)
 R18AA-00518-03 Superior Indian associan AA GA-WEIN (No) group
 R18AA-00530-03 Community alcoholism services Indian program
 R18AA-00776-01 Transitional alcoholic halfway house
 R18AA-00862-02 Yakima alcoholism outreach program
 R18AA-00864-02 Community action council alcoholism program
 R18AA-00936-01 No. Central Florida rural alcoholism project
 R18AA-01147-02 Alcoholic rehabilitation program
 R18AA-01573-01 St John's Hospital comprehensive alcoholism services program
 R18AA-01594-01 Employee assistance program
 R18AA-01666-01 Alcohol abuse and alcoholism demonstration project
 R18AA-01676-01 Joel Fairbanks aftercare residence
 R18AA-01846-01 Alcoholism prevention coordinator
 R25DA-00237-02 Project MFO, Inc
 ** P01HD-03352-07 0029 Wisconsin center on mental retardation - Behavioral approach to group treatment of parents of retardates
 R01HD-06903-01 Parent training on learning and cognition of deaf children
 R01MH-15521-06 Problem solving behavior of family groups (human)
 ** R01MH-17946-04 Cross vaccination of predictive sentencing models (human)
 ** R01MH-17978-03 Training for foster parents of disturbed children
 ** R01MH-22742-02 Group work in treatment of adults
 ** R01MH-22807-01 An experimental evaluation of a PARO program
 R01MH-25258-01 Comparative treatment of emotional problems of aging
MENTAL HEALTH SERVICES, EMERGENCY CARE
 R18AA-00059-02 Alcohol and recovery program
 R18AA-00088-02 Tualip alcoholism prevention and rehabilitation
 R18AA-00094-02 Alcoholic rehabilitation center
 R18AA-00086-02 Alcohol prevention and treatment program
 R18AA-00106-02 Community alcoholism services poverty program
 R18AA-00168-03 Services for problem drinking drivers
 R18AA-00174-03 Services for problem drinking drivers
 R18AA-00175-03 Services for problem drinking drivers
 R18AA-00176-03 Services for problem drinking drivers
 R18AA-00430-03 Project catalyst
 R01AA-00458-03 Identifying and treating the self-destructive drinker
 R18AA-00511-02 Community alcoholism program
 R18AA-00515-03 Hualapai alcoholism project
 R18AA-00518-03 Superior Indian associan AA GA-WEIN (No) group
 R18AA-00522-02 Ute Mountain CAP-Alcohol Department
 R18AA-00523-02 Standing Rock comprehensive program
 R18AA-00544-03 American Indian Services, Inc.
 R18AA-00545-03 Salt River community alcoholism program
 R18AA-00553-03 Cheyenne River alcohol and drug abuse program
 R18AA-00594-03 Community alcoholism services-Public inebriate program
 R18AA-00507-03 Community alcoholism services public inebriate program
 ** R18AA-00817-01 Inio New-24 hour crisis intervention plan (Delaware valley)
 R18AA-00828-02 Alcoholism counseling and recovery program
 R18AA-00851-02 Hampshire community alcoholism project
 R18AA-00866-02 Community alcoholism services poverty program
 R18AA-00873-02 Alcoholic family rehabilitation agency
 R18AA-00932-02 Northeast Kansas alcoholism poverty program
 R18AA-00953-01 Alcohol residential multi ledge
 ** R18AA-00967-01 Indian women alcoholism crisis center (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R18AA-01046-02 Community alcoholic rehabilitation program
 R18AA-01145-02 Anti-alcoholism program
 R18AA-01166-01 Southwestern Wisconsin alcoholism program
 R18AA-01177-01 South County alcoholism information and referral center
 R18AA-01223-01 Community alcoholism services-Peverty program
 R18AA-01234-01 Anchorage social development center project
 R18AA-01340-01 Mt Edgcombe high school-Council on alcoholism (Alaska)
 R18AA-01357-01 Dillingham Awareness House (Alaska)
 R18AA-01475-01 Women's alcoholism program
 ** R18AA-01476-01 Alcoholism emergency care services
 R18AA-01487-01 Columbia Point alcoholism program
 R18AA-01491-01 Care system for public inebriates in Rutland County
 ** R18AA-01497-01 West Side non-medical detoxification
 R18AA-01541-01 Cave run comprehensive care center
 R18AA-01573-01 St John's Hospital comprehensive alcoholism services program
 R18AA-01601-01 Lee-Harrott area alcoholism project
 R18AA-01653-01 Alcoholism treatment program and referral system
 R18AA-01663-01 Newport regional comprehensive alcoholism program
 R18AA-01666-01 Alcohol abuse and alcoholism demonstration project
 R18AA-01672-01 Cumberland River Mental Health-Mental Retardation Board, Inc.
 ** R18AA-01683-01 Mississippi river human services center
 R18AA-01718-01 Court alcohol abuse program
 R25DA-00172-03 Peer-oriented drug abuse educational network
 P01HD-06276-03 0032 Mental retardation research program - Family adaptation to children with mental retardation or fatal diseases
 P1GHS-00472-06 0046 Health services research center - Emergency room study
 P01MH-13002-06 0018 Clinical and laboratory studies of affective disorder - The psychiatric emergency room
 R01MH-15967-05 Crisis intervention-Model for prevention (human)
 ** N01MH-20180-00 Computer assisted instructional system in suicide studies
 ** R01MH-22891-02 Crisis intervention by the use of telephone therapy
 R01MH-23538-02 Raman Navajo school social services
 R01MH-23775-01 Huckleberry house youth service center
 R01MH-24229-01 Berkeley youth alternatives juvenile services program
 ** R01MH-24455-01 Self-evaluative model for hotlines
 R01MH-24817-01 Human development model for mental health services
 ** R01MH-24902-01 Evaluative study of callers to a crisis hotline
 R01MH-25216-01 Helping relationship in diverse subcultures
 R01MH-25333-01 Evaluation of youth diversion in a small city
 R01MH-26092-01 Dangerousness and psychiatric commitment study
 R01MH-26207-01 Behavioral analysis & modification in a community mental health center
 ** N01MH-40004-00 Services for statistical analysis
 ** N01MH-40017-00 Training program for crisis intervenors
 R21NU-00370-04 Nursing with chronically ill psychiatric outpatients (human)
 R02NU-00500-01 Research facilitation project

MENTAL HEALTH SERVICES, PSYCHIATRIC PATIENT CARE
 R18AA-00472-02 Evaluation of outpatient care for alcoholics
 R18AA-00908-02 Fairview halfway house
 R10MH-03701-15 0004 Clinical new chemotherapeutic agent evaluation - Acute and adolescent schizophrenia
 R10MH-04669-14 0003 Controlled drug evaluation - Antinuclear factor in psychiatric patients
 R10MH-04669-14 0004 Controlled drug evaluation - Plasma renin response to lithium in psychiatric patients
 P01MH-08667-10 0007 A longitudinal epidemiology of impaired competence - Foster care, retarded
 R01MH-08957-10 Early drug evaluation in neurotic outpatients
 R01MH-11976-10 Communication through nonverbal behavior
 R01MH-14934-08 A multi-state information system for psychiatric patients
 ** R01MH-16927-03 Stigma and the community care of the psychiatric patient
 ** R01MH-18962-03 Prediction of suicide in psychiatric patients (human)
 ** P01MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome-Recovery determinants
 R01MH-20367-03 Dangerousness, due process and the criminally insane

R01MH-20500-02 Extraprymidal dyskinesias and brain amine metabolism
 ** R01MH-20593-03 Short versus long hospitalization - A controlled study
 ** R01MH-21214-02 Critical behaviors in the care of the mentally ill
 ** R01MH-21303-02 Assessment of adequacy of treatment (human)
 ** R01MH-21337-02 Drugs in the aftercare treatment of schizophrenia
 ** R01MH-21344-02 Home vs hospital care of behavior disordered children
 R01MH-21669-03 Quality evaluation of mental health services
 ** R01MH-22563-01 Folk healers and community mental health programming
 ** R01MH-22808-02 Legislative change and rural/urban MH delivery systems
 ** R01MH-23417-01 Psychiatric inpatient care-Followup project
 ** R01MH-23450-02 Preparatory training program for psychotherapy
 ** R01MH-23742-02 Release of dangerous mental patients-Dixon case
 R01MH-23925-02 Long acting drugs with after care of schizophrenics
 R01MH-23968-02 Psychotropic drug and cytogenetic effects (human)
 R01MH-24109-01 Systems approach to mental health care in a HMO model
 ** R01MH-24188-01 Plasma chlorpromazine in psychiatric management
 ** R01MH-24354-02 Development of drug-sensitive symptom rating scales
 ** R01MH-25171-01 Sustaining the sick role-A study of labeling
 ** R03MH-25263-01 Factors of assaultive behavior
 R10MH-26196-01 Analysis-Collaborative outpatient schizophrenia
 ** N01MH-30241-00 Study of private psychiatric facilities owned by chains
 ** N01MH-40075-00 Psychiatric care under prepaid health insurance
 ** N01MH-40076-00 Patterns of utilization of psychiatric services
 ** N01MH-40082-00 National cost and current financing of mental illness
 R02NU-00369-04 Action program in nursing research facilitation
 ** R21NU-00370-04 Nursing with chronically ill psychiatric outpatients (human)

MENTAL HEALTH SERVICES, REHABILITATION

PSYCHOSOCIAL
 SEE ALSO ALCOHOLISM - DRINKING, ALCOHOLISM TREATMENT AND REHABILITATION
 SEE ALSO DRUGS ABUSE, DRUGS ADDICTION TREATMENT AND REHABILITATION
 SEE ALSO MENTAL HEALTH SERVICES, CANCER REHABILITATION
 SEE ALSO PSYCHOLOGY SOCIAL, GROUP PROCESSES, SENSITIVITY TRAINING GROUPS
 SEE ALSO PSYCHOTHERAPY
 ** R18AA-00003-01 Services for problem drinking drivers
 ** R18AA-00010-01 Southwestern Indian polytechnic institute alcoholism education
 R18AA-00016-02 Community alcoholism services poverty program
 ** R18AA-00017-01 Seabrook House-Alcoholism rehabilitation center
 R18AA-00049-02 Community alcoholism services poverty program
 R18AA-00053-02 East central task force on alcoholism
 R18AA-00055-02 Community alcoholism services, poverty program
 R18AA-00059-02 Alcohol and recovery program
 R18AA-00060-02 Rehabilitation (alcoholism)
 R18AA-00062-02 Cranston community action alcoholism program
 ** R18AA-00074-02 Community alcoholism services poverty program-New York
 R18AA-00085-02 Community alcoholism services poverty program
 R18AA-00086-02 Alcoholic rehabilitation project
 R18AA-00088-02 Tulalip alcoholism prevention and rehabilitation
 R18AA-00094-02 Alcoholic rehabilitation center
 R18AA-00095-02 Navajo alcoholism rehabilitation and education program
 R18AA-00095-02 Alcohol prevention and treatment program
 R18AA-00097-02 Community alcoholism services poverty program-Missouri
 R18AA-00100-02 Community alcoholism services poverty program
 R18AA-00102-02 Ojigla Sioux tribe alcoholism program
 R18AA-00106-02 Community alcoholism services poverty program
 R18AA-00108-02 Fort Peck alcoholism program
 R18AA-00109-02 Community alcoholism services Indian program

R18AA-00110-03 A comprehensive occupational alcoholism program plan
 R18AA-00111-03 Kentucky occupational alcoholism services
 R18AA-00112-03 Arkansas occupational alcoholism program services
 R18AA-00114-03 State occupational alcoholism program service
 R18AA-00115-03 State occupational alcoholism program services
 ** R18AA-00116-03 Hawaii occupational alcoholism program services
 R18AA-00117-03 State occupational alcoholism service
 R18AA-00118-03 Montana state occupational alcoholism program
 R18AA-00119-03 Occupational alcoholism program
 R18AA-00120-03 North Carolina occupational alcoholism program
 R18AA-00121-03 State occupational alcoholism program service
 R18AA-00122-03 Minnesota occupational alcoholism program service
 R18AA-00123-03 Occupational alcoholism services (West Virginia)
 R18AA-00124-03 State occupational alcoholism programs (Connecticut)
 R18AA-00125-03 State occupational alcoholism program service
 R18AA-00126-03 State occupational alcoholism program services
 R18AA-00127-03 State occupational alcoholism program service
 R18AA-00128-03 Occupational alcoholism program service
 R18AA-00129-03 Occupational alcoholism program service
 R18AA-00130-03 South Carolina occupational alcoholism program
 R18AA-00131-03 Nebraska occupational alcoholism program services
 R18AA-00132-03 Operation helping hand (alcoholism)
 R18AA-00134-03 Indiana department of mental health division of alcoholism
 R18AA-00135-03 State occupational alcoholism program services
 R18AA-00137-03 California occupational alcoholism program
 R18AA-00138-03 Comprehensive industrial alcoholism program
 R18AA-00139-03 Wisconsin State occupational alcoholism program
 R18AA-00140-03 Pennsylvania State occupational alcoholism program
 R18AA-00141-03 Massachusetts State occupational alcoholism program
 R18AA-00142-03 North Dakota State occupational alcoholism program
 R18AA-00144-02 industrial alcoholism staff development (Alaska)
 R18AA-00145-03 State occupational alcoholism program services
 R18AA-00140-03 State occupational program services
 R18AA-00147-03 Vermont state occupational alcoholism program
 R18AA-00149-03 Missouri State occupational alcoholism program
 ** R18AA-00155-03 Virginia occupational alcoholism program services
 R18AA-00156-03 State employee and industrial alcoholism program
 R18AA-00157-03 State occupational alcoholism program services
 ** R18AA-00159-03 State occupational alcoholism service
 ** R18AA-00160-03 Secondary prevention of alcoholism programs
 ** R18AA-00164-03 Alcoholism treatment-An interdisciplinary approach
 R18AA-00160-03 Department of alcoholic rehabilitation
 R18AA-00168-03 Services for problem drinking drivers
 R18AA-00169-03 Wazee Center Stid Row Community Demonstration Program
 R18AA-00174-03 Services for problem drinking drivers
 R18AA-00175-03 Services for problem drinking drivers
 R18AA-00176-03 Services for problem drinking drivers
 R01AA-00179-03 Alteration of alcoholics' behavior
 R01AA-00329-01 Effects of disulfiram-marihuana in alcoholism (human)
 R18AA-00361-02 C and ROP alcoholism program
 R18AA-00367-02 Occupational alcoholism services
 R18AA-00398-02 Services for problem drinking drivers
 R18AA-00409-03 Washington Hospital Center-Alcoholism program
 R18AA-00409-03 Comprehensive occupational alcoholism program
 R18AA-00412-03 Troubled employee health evaluation plan
 R18AA-00417-01 Employee assistance program
 R18AA-00425-02 Plainfield Public Welfare Department Project catalyst
 R18AA-00430-03 Alcoholism outreach and follow-up project (El Paso)
 ** R18AA-00434-03 Demonstration prevention, outreach and (alcoholism)
 R18AA-00453-03 Services for problem drinking drivers (contd)

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R18AA-00454-03 Services for problem drinking drivers
 ** R18AA-00455-03 Services for problem drinking drivers
 ** R01AA-00456-03 Prediction of outcome in alcoholics
 ** R18AA-00457-03 Community reinforcement for treating alcoholics
 R18AA-00460-03 Services for problem drinking drivers
 R18AA-00461-03 Services for problem drinking drivers
 R18AA-00454-03 Services for problem drinking drivers
 R18AA-00466-03 Services for problem drinking drivers
 R18AA-00472-02 Evaluation of outpatient care for alcoholics
 R18AA-00461-03 Alcoholic offender program for Madison County (Alabama)
 ** R18AA-00484-03 Early intervention for women with a drinking problem
 R01AA-00495-02 Development of a structural evaluation of drunk drivers
 ** R01AA-00496-03 Self-help techniques in the treatment of alcoholics
 ** R01AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs
 R18AA-00502-01 Community alcoholism services poverty program
 ** R18AA-00503-03 Western Michigan comprehensive alcoholism services
 ** R18AA-00504-03 Alcoholism program
 R18AA-00507-02 Community alcoholism services
 R18AA-00511-02 Community alcoholism program
 ** R18AA-00512-01 Native American therapy center (alcoholism)
 R18AA-00513-03 Miccosukee alcoholism services program
 R18AA-00515-03 Hualapai alcoholism project
 R18AA-00516-03 The Ancherage native half-way house
 R18AA-00518-03 Superior Indian associan AA GA-WEIN (No) group
 R18AA-00521-01 Indian community alcoholism program
 R18AA-00522-02 Uta Mountain CAP-Alcohol Department
 R18AA-00523-02 Standing Rock comprehensive program
 R18AA-00527-03 New Mexico intertribal council on social problems
 R18AA-00530-03 Community alcoholism services Indian program
 R18AA-00533-03 Alcohol awareness as it affects the Indian child
 ** R18AA-00535-03 Upper Tanana region alcohol and drug program
 R18AA-00536-03 Community alcoholism services Indian program
 R18AA-00540-03 Cherokee Nation-Alcoholism guidance center program
 R18AA-00542-02 Cleveland American Indian community alcoholism services
 R18AA-00543-03 Cheyenne-Arapaho alcoholic rehabilitation center
 R18AA-00544-03 American Indian Services, Inc.
 R18AA-00545-03 Salt River community alcoholism program
 R18AA-00546-02 Pueblo of Acoma alcoholism and treatment program
 R18AA-00547-03 Community alcoholism services Indian program
 R18AA-00552-03 American Indian special services project
 R18AA-00553-03 Cheyenne River alcohol and drug abuse program
 ** R18AA-00555-03 Laguna alcoholism program
 ** R18AA-00557-03 Indian program
 ** R18AA-00558-03 North central inter-tribal community health project
 R18AA-00559-03 Intertribal alcoholism treatment center
 R18AA-00560-03 Native American alcoholism and drug abuse program
 R18AA-00562-03 Umatilla tribal alcohol program
 R18AA-00563-03 Mesquakie program on problem drinking
 R18AA-00564-03 Friendship House Community Rehabilitation Center
 ** R18AA-00569-01 AIN DAH ING Community alcoholism services
 R18AA-00575-03 Sandoval County Indian pueblos alcoholism program
 R18AA-00576-03 Inter-tribal alcoholism and rehabilitation program (Oklahoma)
 R18AA-00578-03 Mescalero alcoholism project (New Mexico)
 ** R18AA-00579-01 Montana Indian commission on alcoholism
 R18AA-00580-03 Rosebud Sioux Alcohol Control Program, Inc.
 R18AA-00582-03 Seminole Comprehensive Alcoholism Program
 R18AA-00583-02 Papago alcoholism prevention program
 R18AA-00588-02 Alcoholism-cultural heritage program
 ** R18AA-00594-03 Community alcoholism services-Public inebriate program
 ** R18AA-00595-03 Seattle skid road public inebriate program
 ** R18AA-00596-03 Baltimore comprehensive public inebriate program
 R18AA-00597-03 Community alcoholism services public inebriate program
 ** R18AA-00599-01 Small city public inebriate program

** R18AA-00501-01 Portland public inebriate demonstration project
 R18AA-00503-03 Services for problem drinking drivers
 R18AA-00605-03 Services for problem drinking drivers
 R18AA-00803-02 Community alcoholism services poverty program
 R18AA-00089-02 Alcoholism rehabilitation
 R18AA-00611-02 Jicarilla apache alcoholism program
 R18AA-00612-02 North Iowa alcoholism coordinating center (human)
 R18AA-00613-02 Community alcoholism services poverty program
 R18AA-00614-02 Alcoholism treatment and prevention program
 R18AA-00616-02 Eastern Montana alcoholism program
 ** R18AA-00618-02 Spokane Indian alcoholism project
 R18AA-00620-02 Tri-county aid to alcoholics project (tri-county AAP)
 R18AA-00621-02 Alcoholism project
 R18AA-00923-02 Alcoholism and drug abuse program and treatment
 R18AA-00624-02 Alcoholism, counselling and treatment
 ** R18AA-00625-02 Three affiliated tribes alcoholism rehabilitation program
 R18AA-00628-02 Crow tribe alcoholism program
 R18AA-00651-02 Community alcoholism services poverty program
 R18AA-00658-02 Alcohol counseling and recovery program
 R18AA-00658-02 Northwest coastal tribes-Alternatives to alcoholism
 ** R18AA-00670-02 Alcoholism rehabilitation program
 R18AA-00671-02 ITC alcoholism rehabilitation program
 R18AA-00682-01 Alcoholism treatment project-Mental health services
 ** R01AA-00687-01 Treatment of alcoholism
 R18AA-00691-02 Lower Brule Alcoholism Program
 R18AA-00092-02 Community alcoholism services poverty program
 R18AA-00695-02 NCAC Alcohol Program
 R18AA-00702-02 Alcoholism counseling and recovery program
 R18AA-00706-01 Community alcoholism services indian program (California)
 R18AA-00709-02 Crow Creek alcoholism program
 R18AA-00710-02 Community alcoholism services poverty program
 R18AA-00713-02 Community alcoholism service poverty program
 R18AA-00715-02 Napa Council on alcoholic problems
 R18AA-00716-02 Community alcoholism rehabilitation and education program
 R18AA-00718-02 Community action committee alcohol rehabilitation program
 ** R18AA-00720-02 Progressive community club, Inc.
 R18AA-00721-02 Comprehensive alcoholism services
 R18AA-00722-02 Community alcoholism services program (human)
 R18AA-00728-01 Community alcoholism service-Provert program
 ** R18AA-00734-01 Community alcoholism services in low income areas
 R18AA-00739-02 Operation newstart (human)
 R18AA-00740-02 Alcoholism prevention and referral
 ** R18AA-00742-02 Community action program on alcoholism (CAPA)
 R18AA-00744-02 Alcoholic incentive ladder program
 R18AA-00793-02 A community response to alcoholism
 ** R18AA-00794-01 Alcoholism rehabilitation center for Macon County, Alabama
 R18AA-00798-02 Ft Yuma Council on Alcoholism and Drug Abuse
 ** R18AA-00803-02 Alcoholism counseling and recovery program
 R18AA-00805-01 Alcoholic rehabilitation and counseling program
 ** R18AA-00818-01 Identification/treatment alcoholic in court system
 R18AA-00619-01 Detroit Civil Service demonstration project
 R18AA-00825-02 Community alcoholism services poverty program
 R18AA-00826-02 Community alcoholism services poverty program
 R18AA-00827-02 Community alcoholism services poverty program
 ** R18AA-00828-02 Alcoholism counseling and recovery program
 R18AA-00829-02 Alcoholic rehabilitation program (action)
 R18AA-00831-02 Garrett County Alcoholism Services
 R18AA-00832-01 Copper River Alcoholism Control Program
 R18AA-00834-02 Alcoholism counseling and recovery
 R18AA-00835-02 Southern Ute alcoholism program
 R18AA-00836-02 Inter-Tribal Council of Nevada alcoholism program
 R18AA-00837-02 Alcoholism rehabilitation project
 R18AA-00836-02 Cambridge Economic Opportunity Committee community alcoholism program
 R18AA-00843-02 Community agency serving alcoholics

R18AA-00844-02 Inter-Lakes community action alcohol program
 R18AA-00845-02 Alcoholism rehabilitation program
 R18AA-00848-02 Red Lake tribal council-alcoholic rehabilitation
 R18AA-00851-02 Hampshire community alcoholism project
 R18AA-00855-02 Indian River County alcohol and drug abuse program
 R18AA-00860-02 Colville Indian alcoholism program
 R18AA-00882-02 Yakima alcoholism outreach program
 R18AA-00855-02 Comprehensive alcoholism recovery
 R18AA-00864-02 Community action council alcoholism program
 R18AA-00848-02 Community alcoholism services poverty program
 R18AA-00870-02 Community alcoholism counseling and recovery program
 R18AA-00871-02 Alcoholism and family counseling
 R18AA-00873-02 Alcoholic family rehabilitation agency
 R18AA-00882-02 Blackfoot alcoholism program
 R18AA-00848-02 Community alcoholism service poverty program
 R18AA-00864-02 SRCAA community alcoholism services poverty program
 R18AA-00885-02 Community alcoholism service poverty program
 R18AA-00848-02 Alcohol rehabilitation and employment program
 R18AA-00885-02 Support for alcoholism control program
 R18AA-00906-02 Vermilion County community action agency
 ** R18AA-00909-02 Cherokee alcoholism rehabilitation and education
 R18AA-00894-01 Village Alcoholism Service
 R18AA-00901-02 Indian alcoholism and drug abuse outreach
 R18AA-00907-02 Alcoholic counseling and recovery program
 R18AA-00885-02 Fairview halfway house
 R18AA-00909-02 Leach Lake Indian Reservation alcoholism program
 R18AA-00914-01 Abiackah Village Alcoholism Service
 R18AA-00523-02 Little Crow alcoholic counseling and referral program
 R18AA-00928-02 Community alcoholism services poverty program
 R18AA-00929-02 Community alcoholism services poverty program
 R18AA-00932-02 Northeast Kansas alcoholism poverty program
 R18AA-00933-02 Community alcoholism services poverty program
 R18AA-00934-02 City of Phoenix-Family alcoholism project
 ** R18AA-00953-01 Alcohol residential multi lodge
 R18AA-00094-02 Alcoholic education rehabilitation program
 R18AA-00955-02 Burlington County alcoholism program and center
 ** R18AA-00070-01 Industrial 'troubled employee' recovery program
 R18AA-00864-02 Multi-service alcohol treatment program
 ** R18AA-00909-02 Support for alcoholism control program
 ** R18AA-00995-01 Dade Co women's alcohol treatment program
 ** R18AA-01025-02 Alcoholism rehabilitation
 R18AA-01028-02 Support for alcoholism control program
 R18AA-01031-02 Support for alcoholism control program
 R18AA-01040-02 Alcoholism Outreach Program
 R18AA-01045-02 Community alcoholism services
 ** R18AA-01046-02 Community alcoholic rehabilitation program
 R18AA-01047-02 Division of neighborhood services (human)
 R18AA-01048-02 Alcoholic rehabilitation program
 ** R18AA-01049-02 Support for alcoholism control program
 R18AA-01052-02 Community alcoholism services
 R18AA-01054-02 Hopi alcoholism program
 R18AA-01055-02 Matkah alcoholism program
 R18AA-01057-02 Alcohol counseling program
 ** R18AA-01058-01 Community alcoholism services-Poverty program
 R18AA-01060-02 Trenton alcoholism program (human)
 R18AA-01063-02 Community alcoholism services poverty program (human)
 ** R18AA-01067-02 Alcoholic rehabilitation program (human)
 R18AA-01070-02 OCCSA Alt. Rehab Project
 R18AA-01073-02 Support for alcoholism control program
 R18AA-01074-02 GLTC, Inc., alcoholism treatment program
 R18AA-01083-01 Nainok Village Alcoholism Service
 R18AA-01097-01 Clarie Point Village alcoholism service
 R18AA-01110-01 Kogiganagan alcoholism diversification program
 R18AA-01112-01 New Stuyahok Village alcoholism service
 R18AA-01113-01 Leveclock Village alcoholism service
 R18AA-01121-01 Belkofski Village alcoholism service
 R18AA-01122-02 Alcoholism program
 R18AA-01125-01 Yukutat alcoholism program

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(contd)

R18AA-01131-02	Orange County poverty alcoholism proposal	R18AA-01406-01	Alcoholism information and referral center, Inc.	NO1DA-00066-03	Rehabilitation services to narcotic addicts
R18AA-01132-02	RECAP alcoholism program	** R18AA-01411-01	Phoenix urban indian alcoholism program	** NO1DA-00072-04	Provide rehabilitation services to narcotic addicts
R18AA-01133-02	Alcoholic information and referral services	R18AA-01460-01	Apache comprehensive care center (planning)	R25DA-00172-03	Peer-oriented drug abuse educational network
R18AA-01137-01	Community alcoholism program	R18AA-01482-01	Alcohol program for migrants and farmworkers	R25DA-00237-02	Project INFO, Inc
R18AA-01138-01	Alcoholism services center	R18AA-01507-01	Alcohol counseling and education	** P01DA-00250-03	0015 Research center-Studies of drug abuse - Studies in the Illinois drug abuse program
R18AA-01139-01	Chao-Woy-Ha-Zhao Inc.	** R18AA-01509-01	Utah and Uruy indian recovery center	** R01DA-00407-02	Drug rehabilitation-Counter-culture
R18AA-01140-02	Community Alcoholism Services Poverty Program	R18AA-01526-01	Community alcoholism and treatment service program	R25DA-00546-03	Coordinated inter-agency drug abuse training
R18AA-01145-02	Anti-alcoholism program	R18AA-01573-01	St John's Hospital comprehensive alcoholism services program	** R01DA-00975-01	A community drug education program
** R18AA-01147-02	Alcoholic rehabilitation program	R18AA-01597-01	Untreated alcoholics-Casefinding, referral, service	** R01DA-00975-01	Treatment for substance abuse program dropouts
** R18AA-01149-01	Alcoholism counseling and recovery program	** R18AA-01606-01	Special project-Criminal justice alcoholism program	** P01DA-01097-01	0009 Center for socio-cultural research on drug use - Methodological studies
R18AA-01151-01	Low income component of Spokane alcohol service system	R18AA-01618-01	Young people residential center	** P01DA-01097-01	0017 Center for socio-cultural research on drug use - Study of opinion leads
R18AA-01154-02	United Planning Organization community alcoholism services	** R18AA-01637-01	Criminal justice-alcoholism project II	R18DA-01104-01	Impact of drug use in families
R18AA-01155-02	Area alcoholism poverty program	** R18AA-01639-01	Comprehensive alcoholism services grant	R01DA-01119-01	Family characteristics and therapy of heroin addict
R18AA-01156-01	Economic opportunity agency of Palesti Co alcoholism program	R18AA-01642-01	Social Development center	NO1DA-10017-05	Rehabilitation services to narcotic addicts
** R18AA-01158-01	Licking County alcoholism prevention program	R18AA-01663-01	Newport regional comprehensive alcoholism program	** NO1DA-10033-04	Provide rehabilitation services to narcotic addicts
R18AA-01160-02	Choctaw community alcoholism services (Indian program)	** R18AA-01666-01	Alcohol abuse and alcoholism demonstration project	** NO1DA-10047-02	Services to narcotic addicts
R18AA-01163-01	Alcoholic counseling and recovery program	** R18AA-01676-01	Juel Fairbanks aftercare residence	** NO1DA-10048-04	In-patient treatment of narcotic addicts
R18AA-01166-01	Southwestern Wisconsin alcoholism program	** R18AA-01683-01	Mississippi river human services center	NO1DA-10102-04	Training for drug abuse programs
R18AA-01170-02	Community alcoholism services poverty program	R18AA-01694-01	Expansion funds for court advocate and staff (American Indians)	NO1DA-20002-01	Provide rehabilitation services to narcotic addicts
R18AA-01176-02	Community alcoholism services poverty program (human)	R18AA-01697-01	Alcoholism rehabilitation service	NO1DA-20021-01	Service to narcotic addicts
R18AA-01177-01	South County alcoholism information and referral center	R18AA-01722-01	Southern Colorado comprehensive alcoholism program	** NO1DA-20044-01	Treatment of narcotic addicts
R18AA-01181-01	CEO alcoholism program	R18AA-01742-01	Council of state and territorial alcoholism authorities	** NO1DA-20132-02	Evaluation of MMH drug abuse community assistance program
R18AA-01183-01	Kake Alcoholism Center	R18AA-01745-01	Alcoholism within prepaid group practice HMO's	** NO1DA-20141-01	Rehabilitation services to narcotic addicts
R18AA-01184-01	Alcoholism counseling and recovery program	R18AA-01747-01	Prevention and treatment of alcohol abuse and alcoholism	** NO1DA-30011-00	Services to narcotic addicts
R18AA-01192-01	Inner-city alcohol recovery and rehabilitation project	** R18AA-01752-01	Expansion of state occupational alcoholism services	** NO1DA-30020-00	Treatment and rehabilitation for opiate-dependent persons
R18AA-01206-01	Community alcoholism services poverty program	R18AA-01764-01	Public inebriate program	NO1DA-30049-00	Treatment of opiate dependent persons
R18AA-01211-01	Alcoholism prevention and treatment project	R18AA-01766-01	Occupational alcoholism research and training service	** NO1DA-30050-00	Treatment of drug dependent persons
** R18AA-01221-01	Community alcoholism services poverty program	R18AA-01767-01	Kentucky occupational alcoholism programs	** NO1DA-30052-00	Treatment of drug dependent persons
R18AA-01223-01	Community alcoholism services-Poverty program	R18AA-01810-01	Community alcoholism services poverty program	** NO1DA-30053-03	Services to narcotic addicts
R18AA-01232-01	Alcoholism information and counseling program	R18AA-01833-01	Texas alcoholism prevention program	NO1DA-30055-00	Treatment of drug dependent persons
R18AA-01234-01	Anchorage social development center project	** R01AA-01853-01	Differential treatment of alcoholic subgroups	** NO1DA-30056-05	Treatment of drug dependent persons
R18AA-01235-01	Alcoholism counseling and recovery program	NO1AA-40003-00	Performs surveys, analyses and related work in the field of alcohol abuse	** NO1DA-30085-01	Services to narcotic addicts
R18AA-01241-01	Community alcoholism services poverty program	NO1AA-40020-00	NIAAA monitoring system data	** NO1DA-30087-03	Services to narcotic addicts
R18AA-01246-01	Community alcoholism poverty program	** NO1AA-40031-00	Alcoholism treatment program for health maintenance organization	** NO1DA-30153-00	Provide rehabilitation services to narcotic addicts
R18AA-01247-01	Community alcoholism services poverty program	P17AM-17046-01	0003 Diabetes endocrinology center - Follow up of newly diagnosed diabetics (children)	NO1DA-30160-00	Services to narcotic addicts
R18AA-01256-01	Twin Hills village alcoholism service (Alaska)	** P02CA-05826-13	0092 Clinical cancer research center - Pediatric oncology-psychopathological family constellations	** NO1DA-30168-00	Services to narcotic addicts
R18AA-01264-01	Altkhiok alcoholism service (Alaska)	** P02CA-12247-03	0031 Pediatric oncology center - Rehabilitation of pediatric oncology patients	** NO1DA-30174-00	Services to narcotic addicts
R18AA-01267-01	Community alcoholism service poverty program	** P02CA-14520-02	0021 Wisconsin Clinical Cancer Center - Rehabilitation of the cancer patient	** NO1DA-30176-00	Services to narcotic addicts
R18AA-01302-01	'Upper Kalskag' village council on alcoholism (Alaska)	P02CA-15083-01	0012 Cancer Center Support Grant-Mayo Foundation - Management of pediatric cancer	NO1DA-30231-00	Treatment facilities for non-opiate drug users (human)
R18AA-01303-01	Tanana alcoholism program (Alaska)	P01CA-15936-01	0015 Specialized Cancer Center - Psychological aspects of cancer (human)	NO1DA-40102-00	Provide information on drug abuse problems in one or more countries
R18AA-01304-01	Cheofornak council on alcoholism (Alaska)	** R18CA-16400-01	0003 Cancer control development grant - Rehabilitation (human)	** NO1DA-40105-00	Services to narcotic addicts
R18AA-01306-01	Nenana Community Alcoholism Center (Alaska)	** NO1CN-45119-00	Integrated cancer rehabilitation services (human)	** NO1DA-40106-00	Services to narcotic addicts
R18AA-01308-01	Circle Village Community Center (Alaska)	** NO1CN-45120-00	Demonstration of cancer rehabilitation facilities and/or departments (human)	NO1DA-40160-00	Services to narcotic addicts
R18AA-01312-01	Atnautluk Council on Alcoholism (Alaska)	** NO1CN-45126-01	Demonstration of cancer rehabilitation facilities and/or departments (human)	** NO1DA-40203-00	Alcict rehabilitation-manpower training program
R18AA-01313-01	Bethel council on alcoholism (Alaska)	NO1CN-45133-01	Demonstration of cancer rehabilitation facilities and/or department (human)	** NO1DA-80989-16	Service to narcotic addicts
R18AA-01314-01	Rampart village alcoholism program (Alaska)	** NO1CN-45144-00	Rehabilitation and continuing care	** NO1DA-81468-10	Rehabilitation services to narcotic addicts
R18AA-01321-01	Noatak council on alcoholism (Alaska)	NO1DA-00001-05	Provide rehabilitation services to narcotic addicts	** NO1DA-81508-06	Rehabilitation services to narcotic addicts
R18AA-01323-01	Shungnak council on alcoholism (Alaska)	NO1DA-00002-05	Provide services to narcotic addicts	** NO1DA-81520-09	Rehabilitation services to narcotic addicts
R18AA-01329-01	St Paul family recreation center (Alaska)	NO1DA-00005-05	Provide rehabilitation services to narcotic addicts	** NO1DA-81524-07	Rehabilitation services to narcotic addicts
R18AA-01332-01	Andreafskui Townsite (Alaska)	NO1DA-00008-00	Provide rehabilitation services to narcotic addicts	** NO1DA-81526-07	Rehabilitation services to narcotic addicts
R18AA-01336-01	Kiana council on alcoholism (Alaska)	NO1DA-00013-06	Provide rehabilitation services to narcotic addicts	** NO1DA-81531-06	Rehabilitation services to narcotic addicts
R18AA-01342-01	Ruby Native Council (Alaska)	** NO1DA-00014-06	Provide services to narcotic addicts	** NO1DA-90005-13	Rehabilitation services to narcotic addicts
R18AA-01344-01	Healy Laka Village council (Alaska)	** NO1DA-00016-06	Rehabilitation services to narcotic addicts	** NO1DA-90009-10	Services to narcotic addicts
R18AA-01346-01	Hoonah alcoholism service (Alaska)	** NO1DA-00018-04	Provide rehabilitation services to narcotic addicts	** NO1DA-90014-07	Services to narcotic addicts
R18AA-01347-01	Larson Bay council on alcoholism (Alaska)	NO1DA-00023-07	Rehabilitation services to narcotic addicts	NO1DA-90025-07	Rehabilitation services to narcotic addicts
R18AA-01357-01	Dillingham Awareness House (Alaska)	** NO1DA-00028-04	Provide rehabilitation services to narcotic addicts	** NO1DA-90028-07	Rehabilitation services to narcotic addicts
R18AA-01362-01	Kotzebue council on alcoholism (Alaska)	** NO1DA-00028-04	Provide rehabilitation services to narcotic addicts	** NO1DA-90029-05	Rehabilitation services to narcotic addicts
R18AA-01366-01	Napakialik Council on Alcoholism (Alaska)	NO1DA-00031-05	Rehabilitation services to narcotic addicts	NO1DA-90033-06	Rehabilitation services to narcotic addicts
R18AA-01367-01	Village alcoholism program (Alaska)	** R01DA-00055-04	Therapeutic explorations with adolescents-Project community	** NO1DA-90036-07	Rehabilitation services to narcotic addicts
R18AA-01368-01	Chignik Village alcoholism service (Alaska)			NO1DA-90038-06	Services to narcotic addicts
R18AA-01383-01	Alcohol counseling and recovery programs			** NO1DA-90040-08	Rehabilitation services to narcotic addicts
R18AA-01394-01	Dona Ana alcoholism treatment program			** NO1DA-90064-09	Rehabilitation services to narcotic addicts
R01AA-01396-01	Unified federal-state alcoholism monitoring system			** NO1DA-90065-06	Rehabilitation services to narcotic addicts
R18AA-01400-01	Southwest Indian Foundation Alcoholism Program				

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(contd)

- P01DE-01899-12 0004 Habilitation of the cleft palate individual 2 Psychological studies (children, parents)
- P01HD-03352-07 0028 Wisconsin center on mental retardation - Self-maintenance behavior of adult retardates in community
- ** P01HD-03352-07 0032 Wisconsin center on mental retardation - Laboratory of applied behavior analysis and modification
- R01HD-04634-04 Cognitive functions of retarded early adolescents
- ** P01HD-05124-04 0009 Mental retardation-Behavioral and neurologic aspects - Special rehabilitation research unit
- R01HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
- ** P17HL-14187-04 0004 Center for lung research - Rehabilitation parameters in chronic pulmonary disease (human)
- P18HL-15161-03 0002 Comprehensive sickle cell disease center - Intellectual and emotional growth and development of children
- ** R18HS-01043-01 Day hospital service in rehabilitation medicine
- R18HS-01501-01 Comprehensive health prison health project
- R01MH-05753-13 Growth and family patterns in childhood schizophrenia
- P01MH-08667-10 0017 A longitudinal epidemiology of impaired competence - Computer operations and programming-Retardates
- R12MH-09191-11 Diagnosis of mental disorder in U S and U K
- R01MH-11894-09 0001 Comprehensive behavioral studies - Depression (Rhesus monkeys)
- R01MH-11894-09 0005 Comprehensive behavioral studies - Social deprivation (Rhesus monkeys)
- ** R01MH-11894-09 0007 Comprehensive behavioral studies - Rehabilitation of monkey psychopathologies
- ** R01MH-14734-13 An evaluation of differential treatment for delinquents
- ** R01MH-15008-06 Treatment deployment for chronic psychotics
- R01MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
- R10MH-15829-06 NIMH-PRB collaborative outpatient schizophrenia study
- ** R01MH-16789-04 Evaluation of a community mental health program
- ** R01MH-17473-04 Criteria for evaluation of mental health services
- R01MH-17728-05 Follow-up of maintenance treatment for depression (human)
- ** R01MH-18010-05 Behavior and space in a childrens psychiatric unit (human)
- ** R01MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
- R12MH-18995-04 Behavior modification applied to a mental health center
- R01MH-19880-02 Behavioral analysis in a community mental health center
- ** R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
- ** R12MH-20123-03 Community alternatives for treatment of schizophrenia
- R01MH-20367-03 Dangerousness, due process and the criminally insane
- R01MH-20593-03 Short versus long hospitalization - A controlled study
- R12MH-21191-03 Developmental consequence of extreme social isolation (human)
- R01MH-21344-02 Home vs hospital care of behavior disordered children
- ** R01MH-21643-01 Therapeutic effectiveness of halfway house program
- ** R01MH-21853-03 Rehabilitation program for delinquent Indian youth
- R01MH-22215-02 Evaluation of comprehensive program for adolescents
- R01MH-22336-02 College students in mental health service projects
- ** R01MH-22922-02 The psychiatric outpatient as a customer
- R01MH-22997-03 Evaluation of children's mental health services
- R03MH-25567-01 Administration of juvenile justice-Comparative analysis (Brazil, United States)
- R12MH-25570-01 Soteria II-Replication of an alternative to hospitalization
- R03MH-25779-01 Change in a correctional facility for delinquents
- R01MH-25935-01 Social competence and behavior style in mental patients
- R01MH-26124-01 Home-based treatment of the juvenile probationer
- R01MH-26207-01 Behavioral analysis & modification in a community mental health center
- R01MH-30047-00 Provide treatment and rehabilitation for opiate-dependent persons
- R01MH-30163-00 Conference on joint treatment of drug addicts and alcoholics
- ** R01MH-40059-00 Housing needs of ex-mental patients
- ** R01MH-40079-00 Drug addicts and alcoholics
- ** R01MH-80989-15 Service to narcotic addicts
- ** R01MH-81342-07 Rehabilitation of narcotic addicts
- ** R01MH-81468-07 Rehabilitation services to narcotic addicts
- ** R01MH-81470-04 Rehabilitation services to narcotic addicts
- ** R01MH-81509-06 Rehabilitation services to narcotic addicts
- ** R01MH-81510-05 Rehabilitation services to narcotic addicts
- ** R01MH-81521-06 Provide services to narcotic addicts
- ** R01MH-81526-06 Rehabilitation services to narcotic addicts
- ** R01MH-90008-07 Services to narcotic addicts
- ** R01MH-90040-05 Rehabilitation services to narcotic addicts
- ** R01NS-10236-03 0002 Functional skill remediation in brain damage - Remediation of untreated impairments (human)
- ** R21MU-00370-04 Nursing with chronically ill psychiatric outpatients (human)
- M01RR-00076-12 0106 General clinical research center - 1-alpha acetylmethadol and methadone for rehabilitation of heroin addicts
- ** M01RR-00626-02 0079 General clinical research center - Modification of sex role attitudes and behaviors in transsexuals

MENTAL HEALTH SERVICES, SOCIAL SERVICE PSYCHOSOCIAL

- SEE ALSO MENTAL HEALTH ORGANIZATIONS, VOLUNTARY
- R18AA-00088-02 Tulalip alcoholism prevention and rehabilitation
- R18AA-00168-03 Services for problem drinking drivers
- R18AA-00169-03 Wazoo Center Skid Row Community Demonstration Program
- ** R18AA-00425-02 Plainfield Public Welfare Department
- ** R18AA-00435-03 Demonstration prevention, outreach and training program (alcoholism)
- R18AA-00464-03 Services for problem drinking drivers
- R18AA-00510-03 Chemawa alcoholism education program
- R18AA-00513-03 Miccosukee alcoholism services program
- R18AA-00536-03 Community alcoholism services Indian program
- ** R18AA-00595-03 Seattle skid row public inebriate program
- R18AA-00596-03 Baltimore comprehensive public inebriate program
- R18AA-00603-03 Services for problem drinking drivers
- R18AA-00776-01 Transitional alcoholic halfway house
- R18AA-00817-01 Info Now-24 hour crisis intervention plan (Delaware valley)
- R18AA-00831-02 Garratt County Alcoholism Services
- R18AA-00884-02 SRCAA community alcoholism services poverty program
- R18AA-01138-01 Alcoholism services center
- ** R18AA-01201-02 Support for alcoholism control program
- R18AA-01482-01 Alcohol program for migrants and farmworkers
- R18AA-01491-01 Care system for public inebriates in Rutland County
- R18AA-01718-01 Court alcohol abuse program
- ** P02CA-05831-13 0041 Cancer clinical research - Medical social service
- ** P02CA-05837-12 0008 Cancer clinical research - Social work associated with cancer outpatients
- R10CA-12046-04 Acute leukemia group B
- ** P02CA-12247-03 0030 Pediatric oncology center - Social services
- ** P02CA-14520-02 0021 Wisconsin Clinical Cancer Center - Rehabilitation of the cancer patient
- ** P02CA-14520-02 0022 Wisconsin Clinical Cancer Center - Nursing role in care and rehabilitation
- R18CA-16402-01 0002 Cancer control development grant - Medical education and communications (medical and allied personnel)
- R25DA-00548-03 A community drug education program
- N01DA-40013-00 Study programs of drug abuse treatment to minority children and youths
- P01GM-19489-03 0032 Study of human genetics - Hemoglobinopathies, particularly sickle cell anemia
- ** P01HD-02274-08 0050 Mental retardation and child development - Social service evaluation
- ** P01HD-02528-08 0032 Research center in mental retardation - Wyandotte house and achievement place programs
- ** P18HL-15162-03 0006 Comprehensive sickle cell disease center - Psycho-social service
- ** P18HL-15170-03 0027 Comprehensive sickle cell disease center - Infections and type of organism found in relation to immunologic abnormalities
- P18HL-15999-02 0005 Miami comprehensive sickle cell center - Sickle cell clinic
- P18HL-16008-02 0001 Wayne State University comprehensive sickle cell center - Patient care system
- P18HL-16008-02 0011 Wayne State University comprehensive sickle cell center - Education, screening, and counseling
- ** R01HS-01189-02 Help-seeking experiences and agency characteristics

MENTAL HEALTH (SERVICES), YOUTH

- R18AA-00088-02 Aroostock Indian alcoholism prevention committee
- R18AA-00510-03 Chemawa alcoholism education program
- R18AA-00511-02 Community alcoholism program
- R18AA-00546-02 Pueblo of Acoma alcoholism and treatment program
- R18AA-00560-03 Native American alcoholism and drug abuse program
- ** R18AA-00570-01 Haskell Indian alcohol prevention treatment program
- ** R01AA-00642-01 Norms and behavior, alcohol, and youth culture
- R18AA-01306-01 Nenana Community Alcoholism Center (Alaska)
- R18AA-01306-01 Circle Village Community Center (Alaska)
- R18AA-01314-01 Rampart village alcoholism program (Alaska)
- ** R18AA-01316-01 McGrath teen center (Alaska)
- ** R18AA-01317-01 Selawik council on alcoholism (Alaska)
- R18AA-01329-01 St Paul family recreation center (Alaska)
- R18AA-01357-01 Dillingham Awareness House (Alaska)
- R18AA-01360-01 Golovin city council (Alaska)
- R18AA-01365-01 St Mary's Village alcoholism program
- R18AA-01367-01 Village alcoholism program (Alaska)
- R18AA-01601-01 Lee-Harrett area alcoholism project
- ** R18AA-01618-01 Young people residential center
- ** R18AA-01791-01 Task force on responsible decisions about alcohol
- ** R18AA-01795-01 State prevention coordinator program
- ** R18AA-01802-01 State alcoholism prevention program expansion
- ** R18AA-01804-01 Alcoholism prevention coordinator
- R18AA-01810-01 Community alcoholism services poverty program
- R18AA-01828-01 State prevention coordinator program
- ** R18AA-01832-01 Alcohol abuse prevention services
- R18AA-01846-01 Alcoholism prevention coordinator
- ** N01AA-40012-00 Alcoholism and youth
- ** R25DA-00856-01 Somerset youth drug abuse training program
- R01DA-01054-01 Drug abuse among Indian adolescents
- R01DA-01061-01 Analysis of a three year adolescent drug-use survey
- ** P01DA-01097-01 0004 Center for socio-cultural research on drug use - Health and psychosocial factors in drug behavior
- P01DA-01097-01 0005 Center for socio-cultural research on drug use - Anthropological studies
- ** N01DA-40191-00 Services to narcotic addicts and drug abusers (human)
- ** N01DA-40209-00 Evaluation of free clinics
- R01HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
- P16HS-00472-06 0032 Health services research center - Child health demonstration-Framingham (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01MH-14734-13 An evaluation of differential treatment for delinquents
 R01MH-21853-03 Rehabilitation program for delinquent Indian youth
 ** R01MH-23775-01 Hackberry house youth service center
 ** R01MH-24229-01 Berkeley youth alternatives juvenile services program
 ** R01MH-24455-01 Self-evaluative model for hotlines
 ** R01MH-25333-01 Evaluation of youth diversion in a small city
 R01MH-25553-01 Pre college social development program
 R12MH-25570-01 Soteria II-Replication of an alternative to hospitalization
 ** R01MH-26124-01 Home-based treatment of the juvenile probationer
 R01MH-26141-01 Diversion-A study of alternative processing practices
 ** N01MH-40025-00 Mental health services for children and youth (human)
 ** N01MH-40065-00 Youth runaway program (training and assessment)
 ** N01MH-40066-00 Youth runaway program (assessment)
 ** N01MH-40066-00 Youth runaway program (demonstration)
 ** N01MH-40097-00 Youth runaway program (demonstration)
 ** N01MH-40098-00 Youth runaway program (demonstration)
 ** N01MH-40099-00 Youth runaway program (demonstration)
 ** N01MH-40100-00 Youth runaway program (demonstration)
 ** N01MH-40101-00 Youth runaway program (demonstration)
 ** N01MH-40105-00 Youth runaway program (demonstration)
 ** N01MH-40107-00 Youth runaway program (demonstration)
 ** N01MH-40111-00 Youth runaway program (documentation and assessment)
 ** N01MH-40112-00 Youth runaway program (assessment)
 ** N01MH-40113-00 Youth runaway program
 ** N01MH-40116-00 Youth runaway program (training and assessment)
 ** N01MH-40117-00 Youth runaway program (training and assessment)

MENTAL HEALTH (SERVICES) GERIATRIC

R01MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 ** R01MH-19687-02 Specialized consultation on programming for the aged
 ** N01MH-20197-01 Evaluate NIMH aging programs with special focus on services
 ** R12MH-23924-01 Maintaining the growing edge (human)
 ** R01MH-25258-01 Comparative treatment of emotional problems of aging

MENTAL HEALTH SERVICES RESEARCH REVIEW COMMITTEE

R25DA-00167-02 Enhancing drug education in the South
 R01MH-14864-08 Automation of the delivery of mental health services
 ** R01MH-14934-08 A multi-state information system for psychiatric patients
 R01MH-15008-06 Treatment deployment for chronic psychotics
 ** R01MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
 ** R01MH-15708-05 Leisure and mental health-Cultural and age factors
 ** R01MH-15867-05 Crisis intervention-Model for prevention (human)
 R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 ** R01MH-16420-05 Community mental health workers demonstration project
 R01MH-16789-04 Evaluation of a community mental health program
 R01MH-16927-03 Stigma and the community care of the psychiatric patient
 ** R01MH-17159-05 Interorganizational relationships and consequences
 ** R01MH-17473-04 Criteria for evaluation of mental health services
 ** R01MH-17508-03 Effectiveness of regulatory systems for problem youth
 ** R01MH-17978-03 Training for foster parents of disturbed children
 R01MH-18010-05 Behavior and space in a childrens psychiatric unit (human)
 R01MH-18013-04 Geel (Belgium) foster family care research project (human)
 ** R01MH-18646-03 Developmental approach to community change
 R01MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
 R01MH-18988-02 Helping services used by adoptive and natural parents
 ** R12MH-18995-04 Behavior modification applied to a mental health center
 R01MH-19222-02 Process and impacts of a state hospital closing
 ** R01MH-19463-03 A monitor service to families of the emotionally ill
 ** R12MH-19503-02 Output value analysis of a comprehensive mental health center
 R01MH-19831-04 Brief hospitalization-Effects on patient and family

** R01MH-19680-02 Behavioral analysis in a community mental health center
 R01MH-20077-02 Psychiatric manpower in mental health centers
 R01MH-20315-03 Assessment of behavior modification instruments
 ** R01MH-20628-03 Controlled study of an anti-suicide program
 ** R01MH-20741-03 Hospital emergency overdose identification
 ** R01MH-20743-03 The child's creative learning space
 ** R12MH-20745-03 Insurance and linking the insured to a MH care system
 ** R01MH-20954-03 Impact of continuing evaluation of an urban CCNHC
 R01MH-21214-02 Critical behaviors in the care of the mentally ill
 R12MH-21215-02 Diffusion of innovations among mental health centers
 ** R01MH-21344-02 Home vs hospital care of behavior disordered children
 R03MH-21481-01 Development of youth-directed multi-service center
 R01MH-21643-01 Therapeutic effectiveness of halfway house program
 R01MH-21669-03 Quality evaluation of mental health services
 R01MH-21708-02 Assessing relevance of indirect services in schools
 ** R01MH-21742-02 Citizen evaluation of community mental health center services
 R01MH-21811-01 Human predicaments and human services
 ** R01MH-21911-02 TVL mental health information diffusion agent
 R01MH-21912-03 A therapeutic tool for the institutionalized aged
 ** R01MH-22215-02 Evaluation of comprehensive program for adolescents
 ** R01MH-22336-02 College students in mental health service projects
 R01MH-22358-02 Bridge program-Year-round psycho-educational program
 ** R01MH-22370-02 School intervention program
 R01MH-22563-01 Folk healers and community mental health programming
 ** R01MH-22644-02 Volunteer phone counselors-A study of altruists
 R01MH-22682-03 Demonstration-Mental Health Program-Jr High Schools
 ** R01MH-22683-02 Knowledge transfer in mental health services
 ** R12MH-22761-02 Mental health evaluations-Analysis and dissemination
 ** R01MH-22807-01 An experimental evaluation of a PARD program
 ** R01MH-22808-02 Legislative change and rural/urban MH delivery systems
 R01MH-22856-03 Preparing children for hospitalization
 ** R01MH-22890-02 Behavior modification-Evaluating effects on patients
 ** R01MH-22891-02 Crisis intervention by the use of telephone therapy
 ** R01MH-22922-02 The psychiatric outpatient as a customer
 ** R01MH-22997-03 Evaluation of children's mental health services
 ** R01MH-23417-01 Psychiatric inpatient care-Followup project
 ** R01MH-23453-01 Therapeutic group project for day care centers
 R01MH-23538-02 Raman Navajo school social services
 ** R01MH-23600-01 Day care centers-A comparative and evaluative study
 ** R01MH-23609-01 Parents as resource television project
 R01MH-23646-02 Correlates of preventive activities in CMHCs
 R01MH-23699-02 Model for urban/rural mental health system
 R01MH-23775-01 Hackberry house youth service center
 R01MH-23793-01 Rejuvenating the asylum (children)
 R01MH-23810-01 An interagency system to deliver human services
 ** R01MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)
 ** R12MH-23924-01 Maintaining the growing edge (human)
 ** R01MH-23949-01 Research study of retirement preparation programs
 R01MH-24109-01 Systems approach to mental health care in a HMO model
 R01MH-24152-01 Epidemiology of and intervention for children at risk
 ** R01MH-24154-01 CMHC services
 ** R01MH-24229-01 Berkeley youth alternatives juvenile services program
 ** R01MH-24287-01 California's new mental health law-Longitudinal study
 ** R12MH-24311-01 The problem-oriented record in mental health care
 ** R01MH-24455-01 Self-evaluative model for hotlines
 ** R01MH-24746-01 An infant mental health program

R01MH-24759-01 A decision support system for community mental health
 ** R01MH-24795-01 Household settings-Life styles and mental health
 ** R01MH-24810-01 Developing management skills in child mental health
 ** R01MH-24817-01 Raman development model for mental health services
 R01MH-24854-02 Spanish speaking MH research and development program
 R01MH-24867-01 A mental health system for infants and young children
 ** R01MH-24889-01 Community based program for mentally frail elderly
 ** R01MH-24894-01 Mutual aid systems approach to school mental health
 ** R01MH-24902-01 Evaluative study of callers to a crisis hotline
 R12MH-24924-01 Exploration of a social change model
 R01MH-24934-01 Rights of adolescents receiving mental health services
 R01MH-24959-01 Strategies of coping in institutional environments
 ** R01MH-24961-01 Self-help groups as mental health resources
 ** R01MH-24990-01 System analysis of individual patient care
 ** R01MH-25080-01 Depressive states and suicide prevention
 R12MH-25121-01 Dissemination and utilization of information
 ** R01MH-25216-01 Helping relationship in diverse subcultures
 ** R01MH-25258-01 Comparative treatment of emotional problems of aging
 ** R01MH-25351-01 Prevention programs in community mental health centers
 ** R01MH-25388-02 Applied training in human service system technology
 ** R01MH-25431-01 Epidemiology of acceptance of mental health services
 ** R12MH-25570-01 Soteria II-Replication of an alternative to hospitalization
 ** R01MH-25586-01 Factors affecting the decision relevance of research
 ** R12MH-25619-01 A resource center for program evaluation
 ** R01MH-26207-01 Behavioral analysis & modification in a community mental health center

MENTAL HEALTH SMALL GRANT COMMITTEE

** R03AA-00092-01 Aldehyde binding-Distribution and specificity (mammals, nonhuman)
 ** R03AA-00104-01 Training alcoholics to become social drinkers
 ** R03AA-00634-01 Alcohol and physical aggression (human)
 ** R03AA-00840-01 Cholesterol metabolism in developing brain (miniature swine)
 ** R03AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)
 ** R03AA-01199-01 Acetaldehyde and tetrahydroisoquinolines-Toxicology
 R03AA-01238-01 Analysis of the effects of alcohol on conflict (rats)
 ** R03AA-01254-01 Neurochemical activity of tetrahydroisoquinolines (rats)
 ** R03AA-01274-01 Maternal alcohol use and resultant birth outcome
 R03AA-01391-01 Thiamine deficiency-Intracerebral mechanism
 ** R03AA-01392-01 Effect of alcohol on chromosomes (mice)
 ** R03AA-01404-01 Ethanol metabolism and acetyl-choleine synthesis (rats)
 ** R03AA-01408-01 Drinking patterns in two Lumbee Indian communities
 R03DA-00521-01 Immunoassay for detection of abused drug (rabbits, goats)
 ** R03DA-00870-01 Mechanism of sex difference in marijuana response
 ** R03DA-00964-01 THC effects-Determination of non-aversive dosages (rats)
 ** R03DA-00965-01 Structural requirements for narcotic antagonists
 ** R03DA-00966-01 Narcotic antagonists
 ** R03DA-00983-01 Morphine-Direct effects on neurons (rats)
 ** R03MH-22532-01 Voluntary control of respiratory resistance (human)
 ** R03MH-22608-01 Mouth fluid environment and taste preference (rats)
 ** R03MH-23399-01 Covert modeling and therapeutic change (human)
 ** R03MH-23425-01 Mathematical formalism for interpersonal interactions (human)
 ** R03MH-23426-01 Steroid hormones and RNA synthesis in neural culture (chick embryo)
 ** R03MH-23474-01 Survey of scientific values among psychologists
 ** R03MH-23653-01 Drugs, arousal and brain steady potential responses (rats)
 ** R03MH-23657-01 Visual-auditory factors in early reading ability
 ** R03MH-23850-01 Lexical retrieval strategies in sentence comprehension
 ** R03MH-23870-01 Hormonal effects on aggression (mice) (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 III Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R03MH-23871-01 Communal, social and cultural patterns
 ** R03MH-23956-01 Social development of primates
 ** R03MH-23967-01 The sociology of acceptance of therapies
 ** R03MH-23968-01 Limits of parallel independent processing
 in vision (human)
 ** R03MH-23976-01 Behavior genetic variability (mice)
 ** R03MH-23978-01 Effect of perinatal nutrition on aversion
 threshold (rats)
 ** R03MH-24023-01 Drawing inferences from a passage of
 text
 ** R03MH-24039-01 Determinants of migration (St.
 Barthelemy)
 ** R03MH-24072-01 Americans in Israel—Early stages of the
 ethnic process
 ** R03MH-24092-01 Observational learning (rats, pigeons)
 ** R03MH-24096-01 Analysis of data related to ethology
 (reptiles)
 ** R03MH-24275-01 Rearing conditions (aphasia)
 ** R03MH-24346-01 Retroactive facilitation of memory
 (goldfish)
 ** R03MH-24347-01 Compensation in nonverbal immediary
 behaviors
 R03MH-24382-01 Neural control of feeding (crayfish)
 ** R03MH-24390-01 Psychogenic activity of new tryptophan
 derivatives (rabbits, rats)
 R03MH-24392-01 Local-level effects of 'modernization'
 (human)
 R03MH-24394-01 Comparison of two methods of blood
 pressure control (human)
 R03MH-24401-01 Community health survey project
 ** R03MH-24415-01 Developmental changes in long term
 retention (children)
 ** R03MH-24416-01 Motor skills of neonatally deafferented
 monkeys
 R03MH-24420-01 Perceptual change in visual orientation
 and direction
 ** R03MH-24466-01 Legitimation, incongruency, and influence
 hierarchies (human)
 ** R03MH-24482-01 Excitation, inhibition, and autoshaping
 (pigeons)
 R03MH-24483-01 Behavioral environmental effects on
 sexual maturation (mice)
 R03MH-24502-01 Comparison of several classroom
 management systems
 R03MH-24509-01 Generalization of conditioned adaptation
 (human)
 R03MH-24518-01 Classical-classical transfer of training
 effects (rabbits)
 R03MH-24534-01 Dynamics of warmth and cold (human)
 R03MH-24550-01 Sex differences in reward distribution
 behavior
 ** R03MH-24551-01 Autonomic and cortical responses to
 affective stimuli (human)
 R03MH-24556-01 Construct validation of fear of success in
 females
 R03MH-24564-01 Plasma testosterone during sleep in man
 Delayed response and low frequency
 ** R03MH-24578-01 inhibition (cats)
 ** R03MH-24614-01 Adult-child interaction and social valence
 R03MH-24619-01 Chemosensory mechanisms of behavioral
 modulation (lobsters)
 ** R03MH-24621-01 Normative and descriptive aspects of
 mental health
 R03MH-24637-01 Search and decision processes in
 recognition memory (human)
 R03MH-24657-01 Stimulus properties of infant-adult
 interaction
 ** R03MH-24666-01 Critical period for imprinting (ducks)
 ** R03MH-24668-01 Cross-cultural study of decision making
 ** R03MH-24713-01 Arousal and individual differences in
 attention (human)
 R03MH-24715-01 Aggression—The developmental role of
 androgen (mice)
 ** R03MH-24717-01 Coding and disposition of psychosocial
 illness
 R03MH-24718-01 Social effects in a choice reaction time
 paradigm
 R03MH-24725-01 A model relating attitudes and behavior
 R03MH-24728-01 Visual spatial frequency channels in
 primate cortex
 ** R03MH-24730-01 Age-dependent recovery from
 amygdectomy (monkeys)
 ** R03MH-24763-01 basic integrated potentials in
 schizophrenic patients
 R03MH-24912-01 Augmentation of REM sleep after
 learning (mice)
 ** R03MH-24951-01 Effects of spinal cord lesions sparing
 dorsal columns (cats)
 ** R03MH-24967-01 History of psychophysiology and
 psychosomatic medicine
 ** R03MH-24996-01 Estimating the relationship between
 abstract variables
 ** R03MH-24997-01 Interactions among operant behaviors
 (pigeons)
 ** R03MH-24998-01 Self-monitoring and consistency in self-
 presentation
 ** R03MH-24999-01 Communication and social behavior
 (pygmy marmoset)
 ** R03MH-25004-01 Spatial and temporal properties of visual
 encoding
 ** R03MH-25007-01 Aversion learning motivated by
 unpalatable flavors (rats)
 ** R03MH-25016-01 Effect of mass media on children's sex-
 role behaviors
 ** R03MH-25052-01 Effect of training methods on gradients
 of inhibition (pigeons)
 ** R03MH-25053-01 Lay conceptions of people who need
 mental health care
 ** R03MH-25054-01 Stuttering and stutterers—A sociological
 approach
 ** R03MH-25057-01 Frustration, partial reinforcement and
 brain lesions (rats)
 ** R03MH-25059-01 Developmental neurochemical effects of
 amphetamine (rats)
 ** R03MH-25060-01 Electrodermal measures of neuroticism
 and extraversion (human)
 ** R03MH-25062-01 Tracking of preference for cooperation in
 human dyads
 ** R03MH-25065-01 Social preferences (hamsters)
 ** R03MH-25067-01 Pilot study of experienced life course
 (human)
 ** R03MH-25070-01 Time and association in auto-shaped
 responding (pigeons)
 ** R03MH-25077-01 Concurrent performances in retarded
 children
 ** R03MH-25078-01 Regulation of acetylcholine synthesis
 (rats)
 ** R03MH-25083-01 Differences in learning dynamics of
 individuals (goldfish)
 ** R03MH-25093-01 Effects of reserpine on maturing adrenal
 medulla (rats)
 ** R03MH-25106-01 EEG lateral asymmetries in sleep
 (human)
 ** R03MH-25130-01 Analysis of data on educational change
 (human)
 ** R03MH-25143-01 The impact of cooptation of conditional
 action
 ** R03MH-25144-01 Brain mechanisms and memory (rats)
 ** R03MH-25191-01 Neural loci of hormone action in behavior
 (mice)
 ** R03MH-25252-01 Role of nerve cells in behavior and
 development (hydra)
 ** R03MH-25284-01 Blockade of hypothalamic behavior with
 midbrain lesions (rats, mice)
 ** R03MH-25287-01 Neuronal control of brain-cyclic
 nucleotide formation (rats)
 ** R03MH-25300-01 Investigation of the discriminability
 hypothesis (rats)
 ** R03MH-25305-01 Pictorial depth perception—A
 developmental model (children)
 ** R03MH-25317-01 Mental health services project for
 elementary schools
 ** R03MH-25319-01 A physiological model of childhood
 hyperkinesia (rats)
 ** R03MH-25337-01 Neonatal brain damage and vision (cats)
 ** R03MH-25341-01 Effects of hypoxia on brain monoamines
 and behavior (rats)
 ** R03MH-25345-01 Analysis of hormonal mediation of
 drinking behavior (mammals)
 ** R03MH-25349-01 Physiological sleep patterns after open-
 heart surgery (human)
 ** R03MH-25352-01 Brain dysfunction, hyperactivity and lead
 exposure (rats)
 ** R03MH-25353-01 Maternal behavior and early experience
 (rats)
 ** R03MH-25354-01 Personality and person perception
 ** R03MH-25361-01 Action of amphetamine on cells of the
 brain (snails)
 ** R03MH-25382-01 Psychological differentiation and
 hypnotizability (human)
 ** R03MH-25384-01 Hormonal influences on time-dependent
 memory processes (rats)
 ** R03MH-25395-01 Role of the putvinar in visual
 discrimination (monkeys)
 ** R03MH-25396-01 Validity of expectation (children)
 ** R03MH-25397-01 Serial surgery and tactile recovery (rats)
 ** R03MH-25399-01 Operant conditioning of cardiac
 contractility in man
 ** R03MH-25406-01 Urban social psychology—A network
 approach
 ** R03MH-25408-01 Neurotransmitters affecting pituitary
 hormone release (rats)
 ** R03MH-25412-01 Development of multivariate
 measurement techniques
 ** R03MH-25425-01 Neuropsychology of territorial behavior
 (gerbils)
 ** R03MH-25452-01 Early infantile autism (human)
 ** R03MH-25461-01 Life events, stress, and mental distress
 ** R03MH-25470-01 Psychoanalytic influence in America after
 1917
 ** R03MH-25472-01 Internal noise and auditory function
 (human)
 ** R03MH-25507-01 Pheromones and behavior (mice)
 ** R03MH-25510-01 Authority patterns in three-generation
 families
 ** R03MH-25543-01 Measuring some effects of self-
 awareness (human)
 ** R03MH-25544-01 Concomitant information in competing
 risk theory
 ** R03MH-25561-01 Measurement of alienation (human)
 ** R03MH-25612-01 Cognitive tempo & problem-solving
 competence
 ** R03MH-25626-01 Delayed effects of aggressive stimulation
 (human)
 ** R03MH-25630-01 Organization of lower brainstem
 behavioral systems (cats)
 ** R03MH-25641-01 Children's conceptual tempo—Accuracy
 and speed
 ** R03MH-25649-01 Recovery from frontal cortex damage in
 infants (rats)
 ** R03MH-25651-01 Enhancement of weight loss after
 behavioral treatment
 ** R03MH-25657-01 Evaluating self-administered
 desensitization
 ** R03MH-25659-01 Socially induced flight reactions (birds)
 ** R03MH-25660-01 Hypothalamic control of sensorimotor
 functions (rats)
 ** R03MH-25661-01 Control of rumination in children
 ** R03MH-25630-01 Reduced rank decompositions of random
 variables
 ** R03MH-25690-01 Animal plasticity in superior colliculus
 (rabbits)
 ** R03MH-25699-01 Lexical analysis of dyadic language
 Factors regulating tryptophan hydroxylase
 messenger
 ** R03MH-25713-01 Neural structure in mental deficiency
 ** R03MH-25721-01 Effects of spatial complexity on mental
 operations (human)
 ** R03MH-25736-01 Actor-observer differences in attributions
 of causality
 ** R03MH-25737-01 Social conflict in industrial societies
 ** R03MH-25747-01 Biological control of placentaephagia
 (rats)
 ** R03MH-25749-01 The demography of depopulation
 ** R03MH-25760-01 Effect of retrieval on stored information
 (rats)
 ** R03MH-25771-01 Relationship between mythology and
 mental illness (Philippines)
 ** R03MH-25772-01 Quantitative aspects of choice behavior
 (pigeons)
 ** R03MH-25782-01 Hormonal mechanisms in aggression
 (gerbils)
 ** R03MH-25793-01 Socio-economic factors in emerging
 entrepreneurship
 ** R03MH-25814-01 Decision making in natural settings
 (human)
 ** R03MH-25815-01 Development of role- and conceptual
 perspective-taking (children)
 ** R03MH-25822-01 Carbon dioxide sensitivity and
 psychopathology
 ** R03MH-25824-01 Methods to analyze temporal relations in
 language (children)
 ** R03MH-25825-01 Exposure, attraction, and affiliation
 (human)
 ** R03MH-25827-01 Interpersonal stereotyping—A cognitive
 approach
 ** R03MH-25828-01 Hormones and behavior (doves, rats)
 ** R03MH-25868-01 Perceptual span and peripheral cues in
 reading
 ** R03MH-25873-01 Development studies of attention
 (human)
 ** R03MH-25876-01 Hypernesia—Induction and cognitive
 control
 ** R03MH-25879-01 Socio-psychological effects of an
 earthquake
 ** R03MH-25880-01 Relation of basal ganglia to muscle tone
 (crocodilians)
 ** R03MH-25883-01 Development of continuous repertoires
 (pigeons)
 ** R03MH-25886-01 Neural hierarchies and the control of
 movement (crabs)
 ** R03MH-25891-01 Relative deprivation, militancy and
 aspirations
 ** R03MH-25894-01 Computer simulation model of free-recall
 ** R03MH-25908-01 Control of oscillation in reinforcement
 schedules (rats)
 ** R03MH-25913-01 The perception of correlations between
 cues
 ** R03MH-25916-01 Heritability of temperal patterning of
 behavior (rats)
 ** R03MH-25920-01 Circadian patterns in courtship behavior
 (lowbirds)
 ** R03MH-25921-01 Language use and political interaction
 (Turkey)
 ** R03MH-25924-01 Early child cognition—Visual versus verbal
 memory
 ** R03MH-25926-01 Corticosterone binding in the rat brain
 ** R03MH-25945-01 The satiation of hunger (rats)
 ** R03MH-25946-01 Neurophysiological studies of mutant
 cerebellar cultures (mice)
 ** R03MH-25947-01 Seasonal effects on reproductive states
 ** R03MH-26002-01 Multi-solution analysis of problem solving
 ** R03MH-26004-01 Silver Valley flood—Social psychological
 effects
 ** R03MH-26042-01 Replication of research on a metropolitan
 area (human)
 ** R03MH-26047-01 Hemispheric specialization—Auditory
 evoked responses (uman)
 ** R03MH-26049-01 Interracial perception and interaction
 ** R03MH-26050-01 Infant temperament and child rearing
 (Kenya)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R03MH-26052-01 Contextual influences on individual choice behavior an)
- ** R03MH-26087-01 Effects of random assignment to control treatment
- ** R01MH-26112-01 The persuasive power of discrepant minorities
- ** R03MH-26113-01 Effects on the reinforcing value of brain stimulation (rats)
- ** R03MH-26151-01 Hormonal control of drinking and brain systems (rats)
- ** R03MH-26156-01 Remediation of memory disorder
- ** R03MH-26160-01 Psychological effects of camp on handicapped children
- ** R03MH-26164-01 Dissonance vs self-perception in self-persuasion
- ** R03MH-26166-01 Social interactions in natural populations (mice)
- ** R03MH-26168-01 Short-lived acoustic memory in children and adults
- ** R03MH-26180-01 Father's work, family relations, and cancer choice
- ** R03MH-26189-01 Organization and memory in children
- ** R03MH-26209-01 Linguistic structure in speech processes
- ** R03MH-26213-01 Level of intent and moral intentional judgments (children)

MENTAL HEALTH SPECIAL GRANTS

- R25DA-00180-02 Chicano youth drug prevention and treatment project

(MENTAL HEALTH) SPECIAL REVIEW-RESEARCH (AHH)

- ** R18AA-00017-01 Seabrook House-Alcoholism rehabilitation center
- ** R18AA-00055-02 Community alcoholism services, poverty program
- ** R18AA-00113-03 Project for mobilizing labor support for alcoholism
- R18AA-00119-03 Occupational alcoholism program
- ** R18AA-00133-03 Colorado occupational services project
- ** R18AA-00166-03 Department of alcoholic rehabilitation
- ** R18AA-00172-02 Maine Indian alcoholism field survey
- ** R18AA-00174-03 Services for problem drinking drivers
- ** R18AA-00398-02 Services for problem drinking drivers
- ** R18AA-00408-03 Washington Hospital Center-Alcoholism program
- ** R18AA-00503-03 Western Michigan comprehensive alcoholism services
- R18AA-00504-03 Alcoholism program
- ** R18AA-00507-02 Community alcoholism services
- ** R18AA-00510-03 Chemawa alcoholism education program
- ** R18AA-00511-02 Community alcoholism program
- ** R18AA-00513-03 Micosasnee alcoholism services program
- ** R18AA-00515-03 Hualapai alcoholism project
- ** R18AA-00516-03 The Anchorage native half-way house
- ** R18AA-00518-03 Sapeer Indian associan AA GA-WEIN (No) group
- ** R18AA-00523-02 Standing Rock comprehensive program
- ** R18AA-00527-03 New Mexico intertribal council on social problems
- ** R18AA-00530-03 Community alcoholism services Indian program
- ** R18AA-00533-03 Alcohol awareness as it affects the Indian child
- ** R18AA-00537-03 Seattle Indian alcoholism program
- ** R18AA-00542-02 Cleveland American Indian community alcoholism services
- ** R18AA-00546-02 Pueblo of Acoma alcoholism and treatment program
- ** R18AA-00559-03 Intertribal alcoholism treatment center
- ** R18AA-00560-03 Native American alcoholism and drug abuse program
- ** R18AA-00583-02 Papago alcoholism prevention program
- ** R18AA-00599-01 Small city public inebriate program
- ** R18AA-00825-02 Community alcoholism services poverty program
- ** R18AA-00826-02 Community alcoholism services poverty program
- ** R18AA-00627-02 Community alcoholism services poverty program
- ** R18AA-00828-02 Alcoholism counseling and recovery program
- ** R18AA-00829-02 Alcoholic rehabilitation program (action)
- ** R18AA-00831-02 Garrett County Alcoholism Services
- ** R25DA-00839-01 Open door preventive drug education program
- ** R25DA-00899-01 Model city drug education program
- ** R25DA-00921-01 Center for youth drug prevention in Hunts Point
- ** R25DA-00969-01 Indian drug abuse research
- ** R25DA-00977-01 Micosasnee Indian drug education program
- ** R01MH-20639-01 Comparative study of white, black, and spanish groups
- ** R12MH-21191-03 Developmental consequence of extreme social isolation (human)
- ** R01MH-22719-03 Native American children-The urban way
- ** R01MH-23604-02 Self survey of the black community of Topeka, Kansas
- ** R01MH-23993-01 A study of Asian American communities in Chicago

- ** R01MH-24454-01 Black language-A moderator variable in intelligence
- ** R01MH-24597-01 Chicano drop-outs in higher education
- ** R01MH-24656-01 The psychology of Black Gangs-Mental illness or mental health
- ** R01MH-24690-01 Annals of black psychiatry
- ** R01MH-24787-01 Research review of black mental health-Mental illness
- ** R01MH-24989-01 Asian American national mental health coalition
- ** R01MH-24992-01 Development of a curriculum in pediatric psychology
- ** R01MH-25177-01 Reduce aspiration conflict among minority youth
- ** R01MH-25520-01 Data systems for minority mental health services
- ** R01MH-25551-01 Mental health R and D center in black communities
- ** R01MH-25553-01 Pre college social development program
- ** R01MH-25580-01 Fanon mental health research and development centers (FROC)
- ** R01MH-25589-01 Asian American mental health research center
- ** R12MH-25625-01 Development of mental health model for minorities
- ** R13MH-25655-01 Identity crisis of the Samsai
- ** R13MH-25786-01 Miniconsultation on the mental and physical health of black women
- ** R01MH-26099-01 Mental health service utilization by Mexican Americans
- ** R01MH-26103-01 Black abolitionist physicians in 19th century USA

MENTAL HOSPITALS

SEE MENTAL HEALTH FACILITIES, MENTAL HOSPITALS

MENTAL PERFORMANCE

SEE PSYCHOLOGY, PERFORMANCE

MENTAL PROCESSES

SEE PSYCHOLOGY, MENTAL PROCESSES (GENERAL)

MENTAL RETARDATION

- SEE ALSO CONGENITAL ABNORMALITIES, LAURENCE-MOON-BIEDL SYNDROME
- SEE ALSO CONGENITAL ABNORMALITIES, NEUROLOGICAL, DYSAUTONOMIA FAMILIAL
- SEE ALSO GENETIC DISORDERS, DOWN'S SYNDROME
- SEE ALSO GENETIC DISORDERS, KLINEFELTER'S SYNDROME
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, ALKAPTONURIA
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, HISTIDINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, HOMOCYSTEINURIA
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, HISTIDINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, LYSINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, MAPLE SYRUP URINE DISEASE
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, PHENYLKETONURIA
- SEE ALSO METABOLIC DISORDERS INBORN, GALACTOSEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, HARTNUP DISEASE
- SEE ALSO METABOLIC DISORDERS INBORN, HYPOGLYCEMIA LEUCINE INDUCED
- SEE ALSO METABOLIC DISORDERS INBORN, HYPOLIPOPROTEINEMIA FAMILIAL, ABETALIPOPROTEINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, LEUKOOSTROPHIES
- SEE ALSO METABOLIC DISORDERS INBORN, LIPID (NEUTRAL) STORAGE, WOLMAN'S DISEASE
- SEE ALSO METABOLIC DISORDERS INBORN, LIPOCHONDRODYSTROPHY
- SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS
- SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, HUNTER SYNDROME
- SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, I-CELL DISEASE
- SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, SANFILIPPO SYNDROME
- SEE ALSO METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS
- SEE ALSO METABOLIC DISORDERS INBORN, PRADER-WILLI SYNDROME
- SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES
- SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOMYELINOSIS, NIEMANN-PICK DISEASE
- SEE ALSO METABOLIC DISORDERS INBORN, UREA CYCLE, ARGINEMIA

- SEE ALSO METABOLIC DISORDERS INBORN, UREA CYCLE, ARGININOSUCCINIC ACIDURIA
- SEE ALSO METABOLIC DISORDERS INBORN, UREA CYCLE, CITRULLINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, UREA CYCLE, HYPERAMMONEMIA II
- SEE ALSO NEURONOTOR DISORDERS, CHOREA HEREDITARY
- SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, LESCH-NYHAN SYNDROME
- SEE ALSO THYROID GLAND DISORDERS, HYPOTHYROIDISM, CRETINISM
- SEE ALSO THYROID GLAND DISORDERS, HYPOTHYROIDISM FAMILIAL
- ** R01AM-17113-01 5- α -Oxoprolone, aminoacidurias and mental retardation (human, rats, mice, dogs)
- ** R01AM-17266-01 Gaiter and retardation in Ecuador and Peru (human)
- P02CA-06551-11 0001 Cancer clinical research - Immunologic basis for susceptibility to cancer in man
- ** P01GM-15422-07 0001 Program project in genetics - Cytogenetics (human, mice, reindeer)
- ** P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- ** P01GM-17173-05 A research program in population genetics (human)
- P01GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
- P01GM-19513-03 0010 Human genetics - Incidence and prevalence of inherited disease
- ** P01GM-20130-01 0003 Clinical genetics research center - Mental retardation
- P01GM-20130-01 0010 Clinical genetics research center - Reproductive genetics (human)
- P01GM-21096-01 0001 Enzyme therapy in lysosomal storage diseases - Clinical, animal and cell culture studies of enzyme replacement
- ** R01HD-00339-14 Cytogenetic studies in mental retardation (human)
- ** P01HD-00870-11 0001 Communication research with retarded children - Language training of severely retarded
- ** P01HD-00870-11 0002 Communication research with retarded children - Auditory discriminations
- ** P01HD-00870-11 0003 Communication research with retarded children - Generalization of a social response
- ** P01HD-00870-11 0004 Communication research with retarded children - Phonology
- ** P01HD-00870-11 0006 Communication research with retarded children - Semantic development laboratory
- ** P01HD-00870-11 0008 Communication research with retarded children - Factors affecting the imitation and comprehension of speech
- ** P01HD-00870-11 0009 Communication research with retarded children - Extralinguistic communication
- ** P01HD-00870-11 0010 Communication research with retarded children - Storing and retrieving information
- ** P01HD-00870-11 0011 Communication research with retarded children - Relationship between memory processes and language
- ** P01HD-00870-11 0013 Communication research with retarded children - Direction following
- ** P01HD-00870-11 0014 Communication research with retarded children - Programmed instruction for discrimination of spatial relations
- ** P01HD-00870-11 0015 Communication research with retarded children - Language and communication skills to teach retarded children
- ** P01HD-00973-11 0032 Research program on retarded intellectual development - Personality and motivation structure in the mentally retarded
- P01HD-00973-11 0058 Research program on retarded intellectual development - Juvenile monkeys exposed to responsive and nonresponsive environments
- P01HD-00973-11 0065 Research program on retarded intellectual development - Operant research with rats and quail
- ** P01HD-00973-11 0006 Research program on retarded intellectual development - Intraindividual variability (human)
- ** P01HD-00973-11 0067 Research program on retarded intellectual development - Register encoding (human)
- ** P01HD-00973-11 0068 Research program on retarded intellectual development - Use of processing stages (children)
- ** P01HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
- ** P01HD-00973-11 0070 Research program on retarded intellectual development - Pavia's depth of processing model applied to the retarded (adolescents)
- ** P01HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
- ** P01HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration-Detection of relationships (children)
- ** P01HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts

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 **Oriented significantly to above subject.
 H Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01HD-00973-11 0074 Research program on retarded intellectual development - Intrinsic motivation in infancy-Perceptual analysis
 ** P01HD-00973-11 0075 Research program on retarded intellectual development - Effects of stimulus complexity in young children
 ** P01HD-00973-11 0076 Research program on retarded intellectual development - Parent-child interactions during 'play' and the personality of the mother
 ** P01HD-00973-11 0077 Research program on retarded intellectual development - Intrinsic motivation in the primary school-Stimulus properties
 ** P01HD-00973-11 0078 Research program on retarded intellectual development - Exploration, curiosity, and play behavior in the retarded
 ** P01HD-00973-11 0079 Research program on retarded intellectual development - Personality, motivation and reading achievement in retarded children
 ** P01HD-00973-11 0080 Research program on retarded intellectual development - Motivation and reinforcement systems in retarded children
 ** P01HD-00973-11 0081 Research program on retarded intellectual development - Play behavior in retarded children and effects stimulus complexity
 ** P01HD-00973-11 0082 Research program on retarded intellectual development - Personality and motivation correlates of play behavior in retarded children
 ** P01HD-00973-11 0083 Research program on retarded intellectual development - Reciprocal impact of developmentally delayed and advanced siblings (rodents)
 ** P01HD-01799-09 0005 Mental retardation research center - Neuropathological processes in development and aging (human)
 P01HD-01799-09 0007 Mental retardation research center - Developmental neuropsychology (human)
 ** P01HD-01799-09 0022 Mental retardation research center - Functional retardates
 ** P01HD-01799-09 0027 Mental retardation research center - Aberrant development and its modification
 ** P01HD-01799-09 0031 Mental retardation research center - Endocrinology-growth disorders with mental retardation or neurologic defect
 P01HD-01799-09 0034 Mental retardation research center - Human cytogenetics and biochemical genetics
 ** P01HD-01799-09 0042 Mental retardation research center - Program for clinical research training in mental retardation
 P01HD-01799-09 0044 Mental retardation research center - Development of social and interpersonal skills in childhood
 ** P01HD-01799-09 0045 Mental retardation research center - Organization and conduct of services for mentally subnormal children
 ** P01HD-01799-09 0049 Mental retardation research center - Social ecology research unit
 ** P01HD-01799-09 0050 Mental retardation research center - Mental retarded adults relocation
 ** P01HD-02274-08 0014 Mental retardation and child development - Neuropathology (human, monkeys, rats)
 ** P01HD-02274-08 0025 Mental retardation and child development - Psychiatry research program (human, primates)
 ** P01HD-02274-08 0032 Mental retardation and child development - Clinical training unit
 ** P01HD-02274-08 0136 Mental retardation and child development - Sensorimotor functions in brain-damaged children
 R01HD-02296-09 Sensory evoked EEG and behavioral responses in children (human)
 ** P01HD-02528-08 0013 Research center in mental retardation - Laboratory analogues of behavior modification techniques (children)
 P01HD-02528-08 0015 Research center in mental retardation - Speech production and perception
 ** P01HD-02528-08 0020 Research center in mental retardation - Cognitive capacities of the mentally retarded
 ** P01HD-02528-08 0036 Research center in mental retardation - Attention and cognitive styles
 ** P01HD-02528-08 0037 Research center in mental retardation - Infant research
 ** P01HD-02528-08 0039 Research center in mental retardation - Preschool intervention program
 P01HD-02528-08 0040 Research center in mental retardation - Experimental analysis of preschool curriculum procedures and materials
 ** P01HD-02528-08 0044 Research center in mental retardation - Teaching classification and vocabulary skills
 ** P01HD-02528-08 0047 Research center in mental retardation - Special classroom
 ** P01HD-02528-08 0063 Research center in mental retardation - Concept acquisitions
 ** P01HD-02528-08 0064 Research center in mental retardation - Psychoacoustics and auditory discrimination
 ** P01HD-02528-08 0065 Research center in mental retardation - Use of non-speech responses to teach communication
 ** P01HD-02528-08 0067 Research center in mental retardation - Instruction following behavior and its controlling stimuli
 ** P01HD-02528-08 0073 Research center in mental retardation - Concept acquisition and transfer
 ** P01HD-02528-08 0074 Research center in mental retardation - Preschoolers as teachers
 P01HD-02528-08 0075 Research center in mental retardation - Molecular bases of mental retardation (rats)
 ** P01HD-02528-08 0076 Research center in mental retardation - Interpretation of auditory environment (human)
 P01HD-02528-08 0077 Research center in mental retardation - Role of auditory cortex (mammals nonhuman)
 P01HD-02528-08 0001 Research center in mental retardation - Metabolic correlates to self-destructive behavior (children)
 ** P01HD-02528-08 0088 Research center in mental retardation - Experimental analysis of memory deficits of retarded and deaf children
 ** R01HD-02588-08 Stimulus factors in verbal learning of retardates (human)
 ** P01HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
 ** P01HD-03008-07 0012 Cognition and motivation in the retarded - The verbal mediation defect theory of mental retardation
 ** P01HD-03008-07 0022 Cognition and motivation in the retarded - Tendency of children to give socially desirable response
 ** P01HD-03008-07 0023 Cognition and motivation in the retarded - Components of effortance motivation in normal and retarded children
 ** P01HD-03008-07 0025 Cognition and motivation in the retarded - Relationship between curiosity motivation and learning
 P01HD-03008-07 0027 Cognition and motivation in the retarded - Smiling as a measure of child's sense of pleasure in mastery
 ** P01HD-03008-07 0029 Cognition and motivation in the retarded - Test of treatment methods for retarded children
 P01HD-03008-07 0030 Cognition and motivation in the retarded - Biology and competence
 P01HD-03110-07 0021 Child development and mental retardation - School age research
 P01HD-03110-07 0022 Child development and mental retardation - Family research program
 P01HD-03110-07 0024 Child development and mental retardation - Curriculum development
 P01HD-03110-07 0030 Child development and mental retardation - Project Early Aid
 ** P01HD-03110-07 0033 Child development and mental retardation - Clinical chemistry
 P01HD-03110-07 0034 Child development and mental retardation - Child psychiatry research
 P01HD-03298-13 0001 Developmental pathology - Cytogenetics (human)
 P01HD-03298-13 0012 Developmental pathology - Cerebral cortex development (human, cats, hamsters)
 P01HD-03352-07 0001 Wisconsin center on mental retardation - Developmental neuroembryology (rabbits, mice, opossum, marmosets)
 P01HD-03352-07 0002 Wisconsin center on mental retardation - Experimental neuroembryology (monkeys)
 P01HD-03352-07 0003 Wisconsin center on mental retardation - Developmental endocrine neuroanatomy (mice, rats)
 P01HD-03352-07 0004 Wisconsin center on mental retardation - Developmental neuropsychology (rodents, cats, racoons)
 ** P01HD-03352-07 0005 Wisconsin center on mental retardation - Behavioral effects of brain lesions (monkeys, cats)
 ** P01HD-03352-07 0006 Wisconsin center on mental retardation - Neuropsychological correlates of behavior in awake animals (monkeys)
 P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophysal-gonadal axis (rats, human)
 P01HD-03352-07 0008 Wisconsin center on mental retardation - Altered postnatal environment (monkeys)
 P01HD-03352-07 0009 Wisconsin center on mental retardation - Embryo-uterine interrelationship (rats, monkeys)
 P01HD-03352-07 0010 Wisconsin center on mental retardation - Brain protein synthesis in hyperaminoacidemias (rats)
 P01HD-03352-07 0011 Wisconsin center on mental retardation - Myelin in hyperaminoacidemias and nutritional deficiencies(mammals)
 P01HD-03352-07 0012 Wisconsin center on mental retardation - Hypersarcosinemia (mammals)
 P01HD-03352-07 0013 Wisconsin center on mental retardation - The enzyme defect in hypersarcosinemia (human)
 P01HD-03352-07 0014 Wisconsin center on mental retardation - Lipid analysis of brain subcellular fractions during development
 P01HD-03352-07 0015 Wisconsin center on mental retardation - Calcium binding protein from brain (swine)
 P01HD-03352-07 0016 Wisconsin center on mental retardation - Inhibition of beta-galactosidase by beta-galactal (rats)
 ** P01HD-03352-07 0017 Wisconsin center on mental retardation - Infant development (human)
 ** P01HD-03352-07 0018 Wisconsin center on mental retardation - Conditioning and psychophysiology of normal and retarded children
 ** P01HD-03352-07 0019 Wisconsin center on mental retardation - Language development in the retarded child
 ** P01HD-03352-07 0020 Wisconsin center on mental retardation - Peripheral auditory system in normals and retardates
 ** P01HD-03352-07 0021 Wisconsin center on mental retardation - Orofacial region and speech development
 ** P01HD-03352-07 0022 Wisconsin center on mental retardation - Electroencephalic correlates of language behavior (children)
 P01HD-03352-07 0023 Wisconsin center on mental retardation - Respiratory physiology during speech production (children)
 P01HD-03352-07 0024 Wisconsin center on mental retardation - Physiological parameters of phonological development (children)
 ** P01HD-03352-07 0025 Wisconsin center on mental retardation - Grammatical comprehension (children)
 ** P01HD-03352-07 0026 Wisconsin center on mental retardation - Questioning behavior and grammatical comprehension (children)
 ** P01HD-03352-07 0027 Wisconsin center on mental retardation - Infant vocalization
 ** P01HD-03352-07 0028 Wisconsin center on mental retardation - Self-maintenance behavior of adult retardates in community
 ** P01HD-03352-07 0029 Wisconsin center on mental retardation - Behavioral approach to group treatment of parents of retardates
 P01HD-03352-07 0030 Wisconsin center on mental retardation - Family process and school achievement
 ** P01HD-03352-07 0031 Wisconsin center on mental retardation - Effects of nutrition on behavioral competency (human)
 ** P01HD-03352-07 0032 Wisconsin center on mental retardation - Laboratory of applied behavior analysis and modification
 ** P01HD-03352-07 0033 Wisconsin center on mental retardation - Milwaukee high-risk population laboratory
 ** P01HD-03352-07 0035 Wisconsin center on mental retardation - Rehabilitation related to work adjustment and social skills
 P01HD-03352-07 0036 Wisconsin center on mental retardation - Educational development of handicapped children and youth
 ** P01HD-03352-07 0037 Wisconsin center on mental retardation - Genetic research (human)
 R01HD-03967-09 Detection and study of inborn errors (human)
 ** P01HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
 ** P01HD-04024-06 0005 Mental retardation research center - Biochemical genetics (human)
 ** P01HD-04024-06 0006 Mental retardation research center - Cytogenetics (infants)
 ** P01HD-04024-06 0008 Mental retardation research center - Developmental pediatrics
 ** P01HD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)
 ** P01HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
 ** P01HD-04147-06 0009 Research in mental retardation - Metabolic research unit
 P01HD-04147-06 0010 Research in mental retardation - Neuropathology (human, rats, monkeys)
 ** P01HD-04147-06 0012 Research in mental retardation - Golgi studies of human developmental diseases and experimental epilepsy in mice
 ** P01HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
 P01HD-04147-06 0019 Research in mental retardation - Farber's disease (human)
 P01HD-04147-06 0020 Research in mental retardation - Metachromatic leukodystrophy associate with multiple sulfatase deficiency (human)
 P01HD-04147-06 0021 Research in mental retardation - Polizaeus-Merzbacher disease (human)
 P01HD-04147-06 0022 Research in mental retardation - Therapeutic trial in a patient with Sanfilippo B syndrome (human)
 R01HD-04212-06 Perception in premature, term and defective infants (human)
 R01HD-04331-04 Mental retardation-Defect in Hurler syndrome (human, dogs, rats)
 ** P01HD-04335-06 Brain-behavior relationships in mental retardation
 ** P01HD-04335-06 0001 Brain-behavior relationships in mental retardation - EEG and evoked response studies of retarded subjects (human)

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(contd)

- ** P01HD-04335-06 0002 Brain-behavior relationships in mental retardation - Neonatal and follow-up studies of high-risk human neonates
- P01HD-04510-06 0006 Center for research in human development - Research alliance with HWCRC Institute in Jerusalem (human)
- P01HD-04510-06 0007 Center for research in human development - Motor development and motor learning in the retarded
- P01HD-04510-06 0014 Center for research in human development - Behavioral ecology-Community problems (human)
- P01HD-04583-06 0009 Mental retardation research center - Prenatal diagnosis (human)
- P01HD-04583-06 0013 Mental retardation research center - Row sphingolipidoses (human)
- P01HD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
- P01HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
- M P01HD-04612-06 Mental retardation research center
- ** P01HD-04612-06 0013 Mental retardation research center - Human and animal vigilance
- P01HD-04612-06 0018 Mental retardation research center - Development of visually evoked responses and associated behaviors (cats)
- ** P01HD-04612-06 0019 Mental retardation research center - Maturation in normal and retarded children
- P01HD-04612-06 0021 Mental retardation research center - Electrophysiology of learned motor performance (human)
- P01HD-04612-06 0022 Mental retardation research center - Neural response plasticity during ionizing (human, cats)
- ** P01HD-04612-06 0024 Mental retardation research center - Adaptive behavior of mentally retarded in residential settings
- ** P01HD-04612-06 0026 Mental retardation research center - Research in special education
- ** R01HD-04634-04 Cognitive functions of retarded early adolescents
- P01HD-04665-04 0001 Metabolic abnormalities in mental retardation - Interrelationships of iron, porphyrin and energy metabolism (mice, human)
- P01HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)
- P01HD-04665-04 0006 Metabolic abnormalities in mental retardation - Pathogenesis and prevention of kernicterus (human, mammals nonhuman)
- P01HD-04665-04 0008 Metabolic abnormalities in mental retardation - Pathology and metabolic aspects of the mucopolysaccharidoses (rats, human)
- ** P01HD-04807-05 0001 Genetic and cytogenetic studies of mental retardation - Use of cytogenetic variants for the assignment of genes to human chromosomes
- P01HD-04807-05 0003 Genetic and cytogenetic studies of mental retardation - Uptake and expression of bacterial, viral DNA by mammalian cells (human, rodents)
- P01HD-04807-05 0004 Genetic and cytogenetic studies of mental retardation - Enzyme and organelle expression in somatic cell hybrids (human, rodent, bacteria)
- ** R01HD-04870-05 Organic metabolites related to mental retardation (human)
- P01HD-05027-05 0004 Developmental psychology - Piagetian studies of facial expression
- ** R01HD-05080-04 Clinical and chromosomal variation in 1300 children
- ** R01HD-05084-04 Clinical and chromosomal variation in 1300 children
- ** P01HD-05124-04 0001 Mental retardation-Behavioral and neurologic aspects - Reading comprehension and crossmodal transfer
- ** P01HD-05124-04 0003 Mental retardation-Behavioral and neurologic aspects - Behavioral techniques for studying neurological disease (mammals)
- ** P01HD-05124-04 0004 Mental retardation-Behavioral and neurologic aspects - Discrimination of sameness in a complex display
- ** P01HD-05124-04 0005 Mental retardation-Behavioral and neurologic aspects - Measurement of stimulus-control transfer
- ** P01HD-05124-04 0006 Mental retardation-Behavioral and neurologic aspects - Classification of behavioral deficits
- ** P01HD-05124-04 0007 Mental retardation-Behavioral and neurologic aspects - Serial learning and recall in retardates
- ** P01HD-05124-04 0008 Mental retardation-Behavioral and neurologic aspects - Stimulus control of social behavior
- ** P01HD-05124-04 0009 Mental retardation-Behavioral and neurologic aspects - Special rehabilitation research unit
- P01HD-05221-05 0027 Center grant in mental retardation - Neurophysiology
- P01HD-05221-05 0028 Center grant in mental retardation - Neurosurgical research
- P01HD-05221-05 0031 Center grant in mental retardation - Teratology and genetics (mice, hamsters, rats, primates)
- P01HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
- P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
- P01HD-05615-04 0005 Developmental biology in mental retardation - Postnatal brain development (rabbits)
- P01HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
- P01HD-05615-04 0007 Developmental biology in mental retardation - Neonatal pancreatic responses to insulin secretagogues (human)
- ** P01HD-05615-04 0006 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
- P01HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
- ** R01HD-05653-10 Classical conditioning in retardates and normals (human)
- ** P01HD-05951-03 0001 Cognition in the retarded child - Short and long-term memory
- P01HD-05951-03 0002 Cognition in the retarded child - Learning and transfer
- P01HD-05951-03 0003 Cognition in the retarded child - Vocational skill training
- ** P01HD-05958-03 0004 Neurophysiology and neuropsychology in mental retardation - Neurophysiological indices of maturation in autistic and retarded children
- P01HD-05958-03 0006 Neurophysiology and neuropsychology in mental retardation - Human and animal vigilance
- P01HD-05958-03 0007 Neurophysiology and neuropsychology in mental retardation - Electrophysiology and response plasticity of neurons (human, cats)
- ** P01HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
- P01HD-06276-03 0014 Mental retardation research program - Lysosomal enzymes and inherited diseases (human, mice)
- P01HD-06276-03 0019 Mental retardation research program - Temporal organization of voluntary behavior (children)
- P01HD-06276-03 0023 Mental retardation research program - Acquired aphasia, acute infantile hemiplegia (children)
- ** P01HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)
- ** P01HD-06276-03 0031 Mental retardation research program - The phenomenon of unrelatedness (children)
- R01HD-06285-03 Genetic studies of lysosomal disorders (human)
- ** R01HD-06356-03 Folate metabolism and mental retardation (human)
- ** R01HD-06426-03 Glycosphingolipid metabolism and mental retardation (human)
- M P01HD-06576-01 Molecular aspects of mental retardation
- ** P01HD-06576-01 0001 Molecular aspects of mental retardation - Metabolic diseases in relation to mental retardation and childhood autism
- P01HD-06576-01 0002 Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
- P01HD-06576-01 0003 Molecular aspects of mental retardation - Disorders of pyruvate metabolism (human, animals)
- M R01HD-06650-03 Electrophysiology studies in mental retardation
- ** R01HD-06650-03 0001 Electrophysiology studies in mental retardation - Sensory evoked response (human)
- ** R01HD-06650-03 0002 Electrophysiology studies in mental retardation - Development of EEG and SER patterns (human)
- ** R01HD-06650-03 0003 Electrophysiology studies in mental retardation - EEG and sensory-motor training (human)
- ** R01HD-06751-02 Epidemiology of mental retardation-A national study (Netherlands)
- R01HD-06843-01 Cerebral phenylalanine metabolism in phenylketonuria (rats, human)
- R01HD-07073-02 Assessment and modification of parental teaching style
- P01HD-07110-02 0029 Biomedical center for population research - Mucopolysaccharides and inherited diseases of connective tissue (human)
- R01HD-07220-02 Congenital hypothyroidism-Neonatal screening tests (human)
- M P01HD-07329-02 Input structure and retardate performance
- ** P01HD-07329-02 0001 Input structure and retardate performance - Acquisition, storage and retrieval of clusterable and non-clusterable pictures
- ** P01HD-07329-02 0002 Input structure and retardate performance - External emphasis on recognition and use of redundancy
- ** P01HD-07329-02 0003 Input structure and retardate performance - Recall and recognition of visual and auditory stimuli
- ** P01HD-07329-02 0004 Input structure and retardate performance - Von Restorff effect in recall and recognition of visual and auditory stimuli
- ** P01HD-07329-02 0005 Input structure and retardate performance - Recall and recognition of clustered and isolated visual and auditory stimuli
- ** P01HD-07329-02 0006 Input structure and retardate performance - Tracking enumerative, response contingent and sequential information processing
- ** P01HD-07329-02 0007 Input structure and retardate performance - Intramedal stimulus alternation effects on information processing in retardates
- ** P01HD-07329-02 0008 Input structure and retardate performance - Intramedal and intermedal distraction during sequential information processing
- ** P01HD-07329-02 0009 Input structure and retardate performance - Sequential space, rate and velocity extrapolation in retardates and normals
- ** P01HD-07329-02 0010 Input structure and retardate performance - Stimulus versus response-induced psychological refractory period in retardates
- ** P01HD-07329-02 0011 Input structure and retardate performance - Role of commasality in knowledge acquisition
- ** P01HD-07329-02 0012 Input structure and retardate performance - Role of theme activity in knowledge acquisition
- ** P01HD-07329-02 0013 Input structure and retardate performance - Role of controlled progression in knowledge acquisition
- ** P01HD-07329-02 0014 Input structure and retardate performance - Cascaded chain curriculum model in knowledge acquisition by mentally retarded
- ** P01HD-07329-02 0015 Input structure and retardate performance - Concept utilization, strategy training and academic performance
- R01HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)
- ** R01HD-07695-01 Serotonin screening of neonates (human)
- R01HD-07773-01 Beta-galactosidase activity related to mental retardation (human)
- ** R01HD-07907-01 Growing up as a monthly subnormal young person (Aberdeen, Scotland)
- ** R01HD-07991-01 Nutritional effects on auditory far fields (rats)
- ** P01HD-08240-01 0001 Developmental processes in children at risk for MR - The orienting response and its habituation
- ** P01HD-08240-01 0002 Developmental processes in children at risk for MR - Speech perception
- ** P01HD-08240-01 0003 Developmental processes in children at risk for MR - Speech and language in infants - Prediction of behavior at school age
- ** P01HD-08240-01 0004 Developmental processes in children at risk for MR - Relationship of conditioning and information processing to intellectual deficit
- ** P01HD-08240-01 0005 Developmental processes in children at risk for MR - Rehearsal strategies and strategic transfer
- ** P01HD-08240-01 0006 Developmental processes in children at risk for MR - Acquisition of information organizing strategies
- ** P01HD-08240-01 0007 Developmental processes in children at risk for MR - Prevention and immunization of behavior deficits
- ** R01HD-08265-01 Analysis of response speed in mental retardation
- ** P01HD-08315-01 0004 Biochemical, genetic and other studies in retardation - Beta-galactosidase activity related to mental retardation (human)
- ** P01HD-08315-01 0005 Biochemical, genetic and other studies in retardation - Organic metabolites related to mental retardation (human)
- R01HD-08966-01 0001 Early diagnostic studies of aberrant development - Total monitoring during labor (human)
- R01HD-08966-01 0002 Early diagnostic studies of aberrant development - Fetal monitoring-Data processing
- R01HD-08966-01 0003 Early diagnostic studies of aberrant development - Prenatal identification of study patients
- R01HD-08966-01 0004 Early diagnostic studies of aberrant development - Neonatal growth and development data collection (human)
- R01HD-08966-01 0005 Early diagnostic studies of aberrant development - Neonatal neurologic developmental examinations (human)
- R01HD-08966-01 0006 Early diagnostic studies of aberrant development - Behavior studies-Neonatal evaluation and follow-up (human)
- R01HD-08966-01 0007 Early diagnostic studies of aberrant development - Cognitive development (human)
- ** N01HD-42808-00 Social aspects of mental retardation in Poland
- ** N01HD-42848-00 Behavior modification practices by parents with mentally retarded children
- R01HS-01622-01 Perceptions of health in a Mexican-American community
- M P01MH-08667-10 A longitudinal epidemiology of impaired competence
- ** P01MH-08667-10 0001 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology-Population movement (human)
- ** P01MH-08667-10 0002 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology-Western interstate commission (human)
- ** P01MH-08667-10 0003 A longitudinal epidemiology of impaired competence - Mental retardates-Phi measurement through optokinetic nystagmus (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01MH-08667-10 0004 A longitudinal epidemiology of impaired competence - Characteristics of educationally handicapped children
 ** P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)
 ** P01MH-08667-10 0006 A longitudinal epidemiology of impaired competence - Visually limited-Retarded study (human)
 ** P01MH-08667-10 0007 A longitudinal epidemiology of impaired competence - Foster care, retarded
 ** P01MH-08667-10 0008 A longitudinal epidemiology of impaired competence - Assessment problems in determining stimulus thresholds for the mentally retarded
 ** P01MH-08667-10 0009 A longitudinal epidemiology of impaired competence - Structure of the intellect
 ** P01MH-08667-10 0010 A longitudinal epidemiology of impaired competence - Reaction of mentally retarded to humor stimuli
 ** P01MH-08667-10 0011 A longitudinal epidemiology of impaired competence - Color conformity and the mentally retarded - Social pressure
 ** P01MH-08667-10 0012 A longitudinal epidemiology of impaired competence - Factor structure of the WISC and WAIS for retardates
 ** P01MH-08667-10 0013 A longitudinal epidemiology of impaired competence - Environmental enrichment for retardates
 ** P01MH-08667-10 0014 A longitudinal epidemiology of impaired competence - Physiological monitoring studies - Retardates
 ** P01MH-08667-10 0015 A longitudinal epidemiology of impaired competence - Riverside community study - Retardates
 P01MH-08667-10 0016 A longitudinal epidemiology of impaired competence - Behaviors labeled Mentally III and the Mentally III role
 ** P01MH-08667-10 0017 A longitudinal epidemiology of impaired competence - Computer operations and programming - Retardates
 ** P01MH-08667-10 0018 A longitudinal epidemiology of impaired competence - Paraprofessionals - Source for individualized instruction in special education
 P01MH-08667-10 0019 A longitudinal epidemiology of impaired competence - Application of biostatistical methodology to personnel classification - turnover
 R01MH-12507-09 Electrophysiological studies of psychiatric disorder
 R01MH-14864-08 Automation of the delivery of mental health services
 R01MH-16128-06 Early clinical drug evaluation unit
 R01MH-17018-05 Mucopolysaccharides in brain (rats, rabbits, cattle)
 R01MH-18013-04 Geel (Belgium) foster family care research project (human)
 R01MH-18075-05 A comprehensive study of 47, XYY male offenders (human)
 P01MH-18909-04 Pediatric psychopharmacology (human, rats)
 R01MH-20743-03 The child's creative learning space
 R01MH-21423-03 Locus of control and intellectual development (children)
 ** R03MH-25077-01 Concurrent performances in retarded children
 R01MH-25259-01 Orthomolecular psychiatry - Diagnosis and therapy
 R03MH-25661-01 Control of rumination in children
 ** R03MH-25721-01 Neural structure in mental deficiency
 ** R03MH-26189-01 Organization and memory in children
 N01MH-40052-00 Mental health manpower development in Virginia
 P01NS-03358-13 0014 Sensory disease clinical research center - Impedance studies of middle ear (human)
 ** P01NS-03360-14 0056 Neurological clinical research center - Epilepsy - EEG and prognosis (children)
 M R01NS-05096-11 New amino acid disorders in cerebral disease
 R01NS-05096-11 0004 New amino acid disorders in cerebral disease - Tyrosinosis without hepatorenal disease (children)
 ** R01NS-05096-11 0005 New amino acid disorders in cerebral disease - Hyperornithinemia
 P01NS-07512-06 0031 Neuronal development, interaction and organization - Developmental alterations in brains of cretinoid rats
 R01NS-09135-05 Studies in distractibility (children)
 R01NS-10657-01 Undernutrition and synapse development (mice)
 M01RR-00035-14 0076 General clinical research centers - Rare recessive disorders in a genetic isolate (human)
 ** M01RR-00040-14 0074 General clinical research center - Metabolic studies of mental and physical retardation (human)
 ** M01RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
 M01RR-00071-11 0031 General clinical research center - Inborn errors of amino acid metabolism in mental deficiency (human)
 ** M01RR-00123-11 0032 General clinical research center - Children - Mental retardation
 M01RR-00123-11 0037 General clinical research center - Children - Hematologic disorders

- P06RR-00164-13 Operation of the Delta regional primate research center
 ** P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 ** M01RR-00188-10 0075 General clinical research center for children - Biochemical studies of familial mental and/or growth retardation
 ** M01RR-00210-10 0034 General clinical research center - Maternal-child - Prenatal diagnosis of genetic diseases
 ** M01RR-00628-04 0045 General clinical research center for children - Nucleic acid metabolism in children with convulsive disorders, mental deficiency
 M01RR-00865-01 0021 General clinical research center - Metabolic studies of degenerative neurological diseases (human)
 ** S01RR-05730-03 General research support grant (mental retardation center)

MENTAL RETARDATION, EDUCATION AND TRAINING OF RETARDED

- M P01HD-00973-11 Research program on retarded intellectual development
 P01HD-01136-10 0004 Center for research in human learning - Cognition
 P01HD-01136-10 0006 Center for research in human learning - Verbal learning and memory (children)
 P01HD-02274-08 0025 Mental retardation and child development - Psychiatry research program (human, primates)
 ** P01HD-02274-08 0032 Mental retardation and child development - Clinical training unit
 M P01HD-03008-07 Cognition and motivation in the retarded - Need for approval and conformity behavior
 P01HD-03008-07 0004 Cognition and motivation in the retarded - Need for approval and conformity behavior
 ** P01HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children
 P01HD-03008-07 0012 Cognition and motivation in the retarded - The verbal mediation defect theory of mental retardation
 ** P01HD-03008-07 0013 Cognition and motivation in the retarded - Motivational determinants of school behavior
 ** P01HD-03110-07 0037 Child development and mental retardation - Mental retardation
 P01HD-03110-07 0039 Child development and mental retardation - Early childhood education and demonstration
 ** P01HD-03110-07 0042 Child development and mental retardation - Developmental disabilities technical assistance system
 ** P01HD-03352-07 0025 Wisconsin center on mental retardation - Grammatical comprehension (children)
 ** P01HD-03352-07 0026 Wisconsin center on mental retardation - Questioning behavior and grammatical comprehension (children)
 ** P01HD-03352-07 0030 Wisconsin center on mental retardation - Family process and school achievement
 ** P01HD-03352-07 0036 Wisconsin center on mental retardation - Educational development of handicapped children and youth
 ** P01HD-04147-06 0001 Research in mental retardation - Behavioral program (human)
 M P01HD-04510-06 Center for research in human development
 ** P01HD-04510-06 0001 Center for research in human development - Institute on mental retardation and intellectual development
 P01HD-04510-06 0005 Center for research in human development - Early development assistance program
 ** P01HD-04510-06 0007 Center for research in human development - Motor development and motor learning in the retarded
 P01HD-04510-06 0013 Center for research in human development - Educational research - Basic
 ** P01HD-04612-06 0026 Mental retardation research center - Research in special education
 R01HD-04634-04 Cognitive functions of retarded early adolescents
 ** P01HD-05540-03 0001 Development of the mentally retarded - Population movement
 ** P01HD-05540-03 0002 Development of the mentally retarded - Effects of residential settings on development
 ** P01HD-05540-03 0004 Development of the mentally retarded - Measurement of adaptive behavior
 ** P01HD-05540-03 0005 Development of the mentally retarded - Environmental effects on intellectual development
 ** P01HD-05951-03 0002 Cognition in the retarded child - Learning and transfer
 ** P01HD-05951-03 0003 Cognition in the retarded child - Vocational skill training
 ** R01HD-06864-02 Control processes in the memory of retarded children
 R01HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
 ** R01MH-01099-19 Learning and transfer processes (human)
 P01NS-11601-01 Special clinical center for communications research (children)

MENTAL RETARDATION FACILITIES

- ** P01HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children

- ** P01HD-03008-07 0010 Cognition and motivation in the retarded - Effects of success and failure on learning of normal and retarded children
 ** P01HD-04147-06 0014 Research in mental retardation - Sociological research unit
 M P01HD-05540-03 Development of the mentally retarded
 P01HD-05540-03 0001 Development of the mentally retarded - Population movement
 ** P01HD-05540-03 0002 Development of the mentally retarded - Effects of residential settings on development
 ** P01HD-05540-03 0003 Development of the mentally retarded - Quality of life in residential facilities
 P01HD-05540-03 0004 Development of the mentally retarded - Measurement of adaptive behavior
 ** P01HD-05540-03 0005 Development of the mentally retarded - Environmental effects on intellectual development
 ** R01MH-24154-01 Comparison of centralized/decentralized CMHC services
 ** P01NS-11601-01 Special clinical center for communications research (children)

MENTAL RETARDATION RESEARCH AND TRAINING COMMITTEE

- M P01HD-00870-11 Communication research with retarded children
 M P01HD-00973-11 Research program on retarded intellectual development
 M P01HD-01799-09 Mental retardation research center
 M P01HD-02274-08 Mental retardation and child development
 M P01HD-02528-08 Research center in mental retardation
 M P01HD-03008-07 Cognition and motivation in the retarded
 M P01HD-03110-07 Child development and mental retardation
 M P01HD-03144-07 Development of culturally deprived children
 M P01HD-03352-07 Wisconsin center on mental retardation
 M P01HD-04024-06 Mental retardation research center
 M P01HD-04147-06 Research in mental retardation
 M P01HD-04335-06 Brain-behavior relationships in mental retardation
 M P01HD-04510-06 Center for research in human development
 ** P01HD-04510-06 0001 Center for research in human development - Institute on mental retardation and intellectual development
 P01HD-04510-06 0003 Center for research in human development - Center for community studies
 ** P01HD-04510-06 0004 Center for research in human development - Institute of social deviancy and youth
 P01HD-04510-06 0013 Center for research in human development - Educational research - Basic
 M P01HD-04583-06 Mental retardation research center
 M P01HD-04612-06 Mental retardation research center
 M P01HD-04665-04 Metabolic abnormalities in mental retardation
 M P01HD-04807-05 Genetic and cytogenetic studies of mental retardation
 M P01HD-05124-04 Mental retardation - Behavioral and neurologic aspects
 M P01HD-05221-05 Center grant in mental retardation
 M P01HD-05342-04 Mental retardation and brain development
 M P01HD-05540-03 Development of the mentally retarded
 M P01HD-05615-04 Developmental biology in mental retardation
 M P01HD-05951-03 Cognition in the retarded child
 M P01HD-05958-03 Neuropsychology and neuropsychology in mental retardation
 M P01HD-05961-03 Human and mammalian development
 M P01HD-05996-03 Prevention of mental retardation through prenatal diagnosis
 M P01HD-06276-03 Mental retardation research program
 M P01HD-06364-03 Maternal protein restriction and mental retardation
 M P01HD-06576-01 Molecular aspects of mental retardation
 M P01HD-07329-02 Input structure and retardate performance
 M P01HD-08240-01 Developmental processes in children at risk for MR
 M P01HD-08315-01 Biochemical, genetic and other studies in retardation
 ** P01HD-08333-01 Hormones in reproduction (human)

MENTAL SET SEE PSYCHOLOGY, ATTITUDES (AND RELATED)

MENTAL SURGERY SEE BRAIN LESIONS SURGICAL, PSYCHOSURGERY

MEPERIDINE SEE PIPERIDINE CARBOXYLIC ACIDS, MEPERIDINE

MEPHENESIN SEE LIPIDS, GLYCERYL ETHERS, MEPHENESIN

MEPHENTERMINE SEE PHENYLALKYLAMINES, MEPHENTERMINE

MEPVACAINE SEE PIPERIDINAMIDES, MEPVACAINE

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MEPROBAMATE**
SEE CARBAMATES, MEPROBAMATE
- MERCAPTALBUMIN**
SEE ALBUMINS, MERCAPTALBUMIN
- MERCAPTANS**
SEE THIOLS
- MERCAPTOAMINES**
SEE AMMOTHOLS
- 6-MERCAPTOPURINE**
SEE THIOPURINES, 6-MERCAPTOPURINE
- 6-MERCAPTOPURINE RIBOSIDES**
SEE THIOPURINE NUCLEOSIDES, 6-MERCAPTOPURINE RIBOSIDES
- MERCAPTURIC ACID**
SEE SULFUR AMINO ACIDS, MERCAPTURIC ACID
- MERCURIAL DIURETICS**
SEE KIDNEY FUNCTION, MERCURIAL DIURETICS
- MERCURIALS**
SEE METALS, HEAVY METALS, MERCURIALS
- MERCURY (COMPOUNDS)**
SEE METALS, HEAVY METALS, MERCURY
- MERCURY, RADIOLABELED**
SEE RADIOLABELED MERCURY*
- MERCURY POISONING**
SEE METALS POISONING, MERCURY POISONING
- MERMITHIDAE**
SEE HELMINTHS, NEMATODES, MERMITHIDAE
- MEROMYOSIN**
SEE MUSCLE PROTEINS, MEROMYOSIN
- MESCALINE**
SEE PHENYLALKYLAMINES, MESCALINE
- MESEMBRINE TYPE ALKALOIDS**
SEE ALKALOIDS, MESEMBRINE TYPE
- MESENCEPHALON**
SEE BRAIN, MESENCEPHALON
- MESENCHYME**
SEE CONNECTIVE TISSUE, MESENCHYME
- MESENTERY**
SEE BODY CAVITIES, MESENTERY
- MESODERM**
SEE EMBRYOLOGY, GERM LAYERS, MESODERM
- MESOGGLIA**
SEE NERVOUS SYSTEM, NEUROGLIA, MICROGLIA
SEE NERVOUS SYSTEM, NEUROGLIA, OLIGODENDROGLIA
- MESOPHILES**
SEE TEMPERATURE OPTIMA, MESOPHILES
- MESOSOMES**
SEE CELL COMPONENTS, MESOSOMES
- MESOTHELIUM**
SEE BODY CAVITIES, SEROSA
- MESSANGER RIBONUCLEIC ACID**
SEE NUCLEIC ACIDS, MRNA
- MESTRANOL**
SEE ESTRADIENE SERIES, MESTRANOL
- MESTRANOL-NORETHINDRONE COMBINATIONS**
SEE FERTILITY, ANTIFERTILITY DRUGS, MESTRANOL-NORETHINDRONE
- MESTRANOL-NORETHYNODREL COMBINATIONS**
SEE FERTILITY, ANTIFERTILITY DRUGS, MESTRANOL-NORETHYNODREL
- METABOLIC BONE DISEASE**
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
- METABOLIC DISORDERS**
SEE ALSO ARTHRITIS AND METABOLIC DISEASES PROGRAM PROJECT COMMITTEE
SEE ALSO CALCIUM (MINERAL) IMBALANCES
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS
SEE ALSO ENDOCRINOLOGY, ENDOCRINE DISORDERS
SEE ALSO GASTROINTESTINAL DISORDERS, MALABSORPTION SYNDROMES
SEE ALSO IRON DISORDERS AND IMBALANCES
SEE ALSO LIPOIDAL DISORDERS
SEE ALSO METAL DISORDERS AND IMBALANCES
SEE ALSO NITROGEN RETENTION, AZOTEMIA
SEE ALSO PROTEINS METABOLISM DISORDERS
M P02AM-04501-13 Metabolic disease research center
** P02AM-05630-12 0017 Metabolic unit for the Department of Medicine - Regulation of polyamines in health and disease (human)
- ** R01AM-10101-09 Effects of acid-base changes on renal metabolism (dogs, rats)
- M R01AM-11748-07 Regulation of metabolic processes
- ** R01AM-15464-02 Calcium isotopic composition in metabolic disorders
- R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- ** P17AM-17047-01 0004 Diabetes-endocrinology research center - Diabetes, obesity and other conditions altering fuel physiology (human)
- P01AM-17433-01 0012 Cardiovascular, metabolic aspects of membrane transport - Electrolyte transport defects in uremia (human)
- P01AM-17433-01 0013 Cardiovascular, metabolic aspects of membrane transport - Hereditary defect in erythrocyte transport (human)
- P01AM-17433-01 0014 Cardiovascular, metabolic aspects of membrane transport - Erythrocyte transport defect in cancer (human)
- R01CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, humans)
- P02CA-06516-12 0001 Cancer center support grant-Comprehensive - Development of a program in human cytogenetics
- R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
- M01CP-43239-00 Propagation of somatic cells having specific physiological mutations
- R01DE-03191-03 Nutrition and lipids of bone and teeth (rats, cows, rabbits)
- ** R01ES-00322-10 Benzene toxicity and metabolism (mice)
- R01ES-00880-02 Taste of water-Effects of solutes and adaptation (human, rats)
- ** P01HD-01799-09 0015 Mental retardation research center - Patients with metabolic errors and aberrant behavioral development
- ** P01HD-02528-08 0081 Research center in mental retardation - Metabolic correlates to self-destructive behavior (children)
- R01HL-10878-08 Structure and function of serum lipoproteins (human)
- R01HL-15810-01 Electrolyte physiology and respiratory acid-base (dogs)
- R01NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
- R01NS-08287-05 Metabolism of carnosine and other histidyl compounds (tuna, fish, mice, human)
- ** M01RR-00044-14 0072 General clinical research center - Metabolic abnormalities in neuromuscular diseases (human)
- M01RR-00053-13 0017 Clinical research center - Altered androgen metabolism in illness (human)
- M01RR-00056-13 0038 General Clinical Research Center - Synthetic thyrotropin releasing hormone (TRH) infusions (human)
- M01RR-00063-12 0064 General clinical research center - Metabolic and genetic effects of heroin addiction (human)
- M01RR-00096-14 0058 Clinical research center - Metabolic abnormalities in magnesium deficit (human)
- ** M01RR-00107-11 0061 General clinical research center - Study of metabolic and connective tissue diseases using human fibroblast culture
- M01RR-00626-02 0078 General clinical research center - Body compositional changes in severe trauma (human)
- METABOLIC DISORDERS CHEMOTHERAPY**
- ** R01AA-00201-03 Alcoholic hepatitis (human)
- ** R01AM-01059-19 Hereditary defects in protein synthesis (human, rats)
- ** R01AM-04401-14 Relation of treatment to diabetic complications (human)
- ** R01AM-04403-14 Relation of treatment to diabetic complications (human)
- ** R01AM-04412-14 Relation of treatment to diabetic complications (human)
- ** R01AM-04495-14 Relation of treatment to diabetic complications (human)
- ** P02AM-04501-13 0006 Metabolic disease research center - Calcitonin treatment of metabolic bone disease (human, salmon)
- ** R01AM-05422-13 Relation of treatment to diabetic complications (human)
- ** R01AM-05648-14 Relation of treatment to diabetic complications (human)
- R01AM-05968-14 0003 Lipid metabolism (human, rats) - Turnover and metabolism of cholesterol (human)
- R01AM-06074-16 Renal pathology studied with electron microscopy (human, rats, rabbits)
- ** R01AM-06737-12 Relation of treatment to diabetic complications (human)
- ** R01AM-06739-12 Relation of treatment to diabetic complications (human)
- ** R01AM-06744-12 Relation of treatment to diabetic complications (human)
- ** R01AM-06876-12 Relation of treatment to diabetic complications (human)
- ** R01AM-07601-11 Relation of treatment to diabetic complications (human)
- ** R01AM-07854-11 Relation of treatment to diabetic complications
- R01AM-08546-10 Ketogenesis in the ruminant (cattle, goats)
- ** R01AM-09113-11 Relation of treatment to diabetic complications (human)
- R01AM-09252-10 Serum triglycerides and diabetic complications (human)
- ** R01AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)
- P01AM-09650-10 0011 Hormonal and ionic control of metabolism - Mineral metabolism diseases and their treatment with ions and hormones (human)
- R01AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
- R01AM-10151-09 Pathogenesis of diabetes mellitus (human, monkeys, rats)
- ** R01AM-10370-09 Metabolic abnormalities in rheumatoid arthritis
- R01AM-12479-07 Hypothalamic regulation of food intake (mice)
- R01AM-12960-05 Oxalic acid metabolism and primary hyperoxaluria (rats, human)
- ** P02AM-13430-05 0006 Research and heredity clinic - Inheritable jaundice (human)
- ** R01AM-13518-12 Unexplained hypoglycemia in children
- P01AM-14526-05 0004 Biochemistry of connective tissue - Inflammation by microcrystals in synovial spaces (human, dogs)
- P01AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings
- P01AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- P01AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
- P01AM-16281-02 0009 Uremia-pathogenesis, effects, and possible prevention - Prevention of secondary hyperparathyroidism (human)
- P01AM-16716-01 0027 Pathophysiological bases of muscle diseases - Hormonal, biochemical and muscle capillary abnormalities in diabetes (human)
- P01AM-16764-02 0005 Disorders of renal acidification - Large alkali requirement in renal tubular acidosis (infants, children)
- P17AM-17046-01 0002 Diabetes endocrinology center - Ketoacidosis and hyperosmolar coma (human)
- P01AM-17433-01 0008 Cardiovascular, metabolic aspects of membrane transport - Effects of lithium on renal function (rats, human)
- ** R01AM-17524-01 0002 Role of ciliostatic factor in cystic fibrosis - Ciliostatic reversal by heparin therapy (human, oysters)
- P11GM-15956-07 0024 Factors affecting the responses to drugs - Carbohydrate intolerance following nicotinic alcohol (dogs)
- P11GM-15956-07 0028 Factors affecting the responses to drugs - Effect of colestipol on GI absorption of chlorothiazide (human)
- ** P11GM-15956-07 0059 Factors affecting the responses to drugs - Clinical evaluation of hypoliproteinemic drugs
- ** P01GM-19489-03 0013 Study of human genetics - Treatment of homocystinuria with vitamin B6
- P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- R01GM-19571-02 Metabolism and nutrition in burns and trauma (human, rats)
- R01GM-21748-01 Metabolism and nutrition in burns and trauma (human, rats)
- ** R01HB-42947-00 Isolation and evaluation of products from plasma fractionation (human, animals)
- R01HD-05341-04 Down's syndrome-5-hydroxy tryptophan study (children)
- R01HD-05624-04 Genetics and pathogenesis of the chondrodystrophies (human, mice, rabbits, dogs)
- ** P01HD-06276-03 0030 Mental retardation research program - Tryptophan in Down's syndrome (children)
- ** P01HD-06276-03 0090 Mental retardation research program - Down's syndrome-5-hydroxy tryptophan (human)
- R01HD-06416-03 Antenatal diagnosis of inherited amine acid disorders (human)
- P01HD-06576-01 0003 Molecular aspects of mental retardation - Disorders of pyruvate metabolism (human, animals)
- R01HD-06843-01 Cerebral phenylalanine metabolism in phenylketonuria (rats, human)
- R01HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
- M P01HD-08315-01 Biochemical, genetic and other studies in retardation
- ** P01HD-08315-01 0001 Biochemical, genetic and other studies in retardation - Hypoglycemia and brain development (rats)
- R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
- P01HL-06336-14 0024 Cardiovascular program project - Effects of changes of risk factors on evolution of coronary disease (human)
- R01HL-11901-07 0001 Iliac bypass effect on cholesterol and atherosclerosis - Clinical iliac bypass program
- R01HL-11901-07 0006 Iliac bypass effect on cholesterol and atherosclerosis - Drug therapy with iliac bypass (rabbits)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- RO1HL-12869-05 Arterial metabolism, diabetes and atherogenesis (hamsters, mice, rats, human)
- P17HL-14141-04 0003 SCOR for atherosclerosis in childhood - Detection of abnormalities in lipid metabolism (human, rabbits, rats)
- P17HL-14237-04 0006 Arteriosclerosis center - Drug treatment of familial hyperbeta lipoproteinemia (human)
- RO1HL-15308-02 Assays for peptides of lipoproteins (human)
- ** RO1RS-05096-11 0001 New amine acid disorders in cerebral disease - Homocystinuria due to methylenetetrahydrofolate reductase deficiency (children)
- RO1RS-05096-11 0002 New amine acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)
- ** PO1RS-10175-03 0016 Neuromuscular disease research center - Neostigmine in the treatment of Duchenne muscular dystrophy (human)
- MO1RR-00030-13 0004 General clinical research center - Familial ketosis (human)
- MO1RR-00030-13 0022 General clinical research center - Dysgammaglobulinemias (human)
- MO1RR-00030-13 0042 General clinical research center - Allopurinol therapy in gout (human)
- MO1RR-00030-13 0046 General clinical research center - Pseudoxanthoma elasticum (human)
- MO1RR-00030-13 0069 General clinical research center - Effect of drugs on renal handling of uric acid (human)
- MO1RR-00030-13 0111 General clinical research center - Hereditary angioneurotic edema (human)
- MO1RR-00030-13 0125 General clinical research center - Intra-arterial reserpine in diabetic ulcers (human)
- MO1RR-00036-14 0112 General clinical research center - Thiazide effects on calcium homeostasis in hypercalciuria (human)
- MO1RR-00036-14 0126 General clinical research center - Hepatotoxic effects of methotrexate in psoriasis (human)
- MO1RR-00030-14 0134 General clinical research center - Role of vagolytic drugs in reactive hypoglycemia (human)
- MO1RR-00037-14 0122 General clinical research center - Genetic studies of amino acid metabolism inborn errors (human)
- MO1RR-00039-14 0043 General clinical research center - Allopurinol and probenecid (human)
- MO1RR-00042-14 0005 General clinical research center - Hydrocortisone in Cushing's disease and obesity (human)
- MO1RR-00042-14 0009 General clinical research center - Leucine and sulfonurea induced hypoglycemia (human)
- MO1RR-00042-14 0021 General clinical research center - Long-term survival following renal transplantation (human)
- MO1RR-00044-14 0007 General clinical research center - Disturbed growth and development (human)
- MO1RR-00044-14 0008 General clinical research center - Penicillamine in treatment of cystinuria (human)
- MO1RR-00044-14 0041 General clinical research center - Effects of colestipol on fat and bile acid fecal excretion (human)
- ** MO1RR-00044-14 0042 General clinical research center - Etiology of hypocalcemia in hypomagnesemic states (human)
- MO1RR-00044-14 0045 General clinical research center - Malabsorption inducing agents in obesity after intestinal by-pass (human)
- ** MO1RR-00044-14 0060 General clinical research center - Diseases of ectopic calcification (human)
- ** MO1RR-00044-14 0097 General clinical research center - Acute reversal of hypoglycemia in man
- MO1RR-00046-14 0013 General clinical research center - Hyperlipemia (human)
- MO1RR-00046-14 0023 General clinical research center - Vitamin D-resistant rickets (children)
- MO1RR-00047-14 0021 General clinical research center - Fate of tritium labeled vitamin D in man
- MO1RR-00047-14 0029 General clinical research center - Chronic active hepatitis (human)
- MO1RR-00047-14 0096 General clinical research center - Treatment of subacute necrotizing encephalomyelopathy (human)
- MO1RR-00050-13 0001 Wilson's disease - Wilson's disease
- MO1RR-00050-13 0014 Wilson's disease - Chlorpropamide and diabetes insipidus (human)
- MO1RR-00050-13 0030 Wilson's disease - Effect of pressure control on hypertension and its sequelae (human)
- MO1RR-00051-13 0091 General clinical research center - Suppression of uric acid production by azathioprine (human)
- MO1RR-00051-13 0143 General clinical research center - Triethylene tetramine dihydrochloride in Wilson's disease (human)
- MO1RR-00052-13 0040 General clinical research center for children - Menke's kinky hair syndrome
- MO1RR-00052-13 0042 General clinical research center for children - Treatment of lipoproteinemia
- MO1RR-00052-13 0047 General clinical research center for children - Homocystinuria
- MO1RR-00056-13 0012 General Clinical Research Center - Pancreatic islet cell tumors (human)
- MO1RR-00056-13 0038 General Clinical Research Center - Synthetic thyrotropin releasing hormone (TRH) infusions (human)
- MO1RR-00059-13 0108 General clinical research center - Para-aminosalicylic acid as a hypolipoproteinemic agent (human)
- MO1RR-00059-13 0169 General clinical research center - Hypercholesterolemia pigpen-Treatment with cholestane 3beta, 6beta, 27beta-triol
- MO1RR-00060-13 0025 General clinical research center - Effects of thiazides on hypocalcemia and hypercalcaemia (human)
- MO1RR-00060-13 0061 General clinical research center - Long term treatment with hypoglycemic agent Roche (R06-4563) (human)
- MO1RR-00062-12 0019 Clinical research center, children - Hypophosphatemia and vitamin D resistant rickets
- MO1RR-00064-10 0002 General clinical research center - Copper metabolism in human subjects
- MO1RR-00064-10 0028 General clinical research center - Dilantin treatment of glycogen storage disease (human)
- MO1RR-00064-10 0074 General clinical research center - Dilantin in treatment of glycogen storage disease (human)
- MO1RR-00060-12 0010 General clinical research center - Familial hypertriglyceridemia (children)
- MO1RR-00069-12 0014 General clinical research center, children - Investigation of Wilson's disease
- ** MO1RR-00069-12 0020 General clinical research center, children - Enzyme variants in methylmalonic aciduria
- MO1RR-00069-12 0046 General clinical research center, children - Therapeutic effect of magnesium in Bartter's syndrome
- MO1RR-00069-12 0063 General clinical research center, children - Tolerance tests in hyperlipidemic diseases
- MO1RR-00069-12 0065 General clinical research center, children - Treatment of vitamin D resistant rickets
- MO1RR-00069-12 0098 General clinical research center, children - Menkes kinky hair syndrome
- MO1RR-00069-12 0103 General clinical research center, children - Diagnosis and therapy in hyperlipidemia
- MO1RR-00070-12 0091 General clinical research center - Effect of phenformin in heart transplant patients receiving prednisone
- MO1RR-00071-11 0004 General clinical research center - Purine metabolism and gouty arthritis (human)
- MO1RR-00071-11 0031 General clinical research center - Inborn errors of amine acid metabolism in mental deficiency (human)
- MO1RR-00071-11 0063 General clinical research center - Evaluation of halofenate (human, dogs)
- MO1RR-00073-12 0064 General clinical research center - Synthetic salmon calcitonin in hypercalcaemia (human)
- MO1RR-00076-12 0029 General clinical research center - Effect of glycidiazinamide in diabetes (human)
- MO1RR-00076-12 0078 General clinical research center - Comparison of two dosage forms of tolazamide on hypoglycemia (human)
- MO1RR-00079-12 0058 General clinical research center - Idiopathic and ketogenic hypoglycemia (human)
- MO1RR-00079-12 0090 General clinical research center - Postprandial hypoglycemia-effects of diphenhydramin (human)
- MO1RR-00079-12 0097 General clinical research center - Disopropylammonium dichloracetate as an oral hypoglycemic
- MO1RR-00079-12 0118 General clinical research center - Evaluation of highly purified insulin for diabetes (human)
- MO1RR-00082-12 0022 General clinical research center - Chemical childhood diabetes and treatment with tolbutamide (human)
- MO1RR-00082-12 0066 General clinical research center - Effect of phenformin on diabetes mellitus in childhood
- MO1RR-00082-12 0075 General clinical research center - Wilson's syndrome (human)
- MO1RR-00082-12 0101 General clinical research center - Addendum to hyper-hypokalemia periodic paralysis study
- MO1RR-00082-12 0109 General clinical research center - Effect of vitamin B6 therapy in homocystinuria
- MO1RR-00082-12 0110 General clinical research center - Carbonic anhydrase inhibition effect on hyperkalemic periodic paralysis (human)
- MO1RR-00084-12 0003 General clinical research center-children - Etiology and therapy of hypoglycemia
- MO1RR-00084-12 0025 General clinical research center-children - Lipid abnormalities and relationship to arteriosclerosis
- MO1RR-00086-12 0019 General clinical research center-children - Intractable hypoglycemia of infancy
- MO1RR-00086-12 0031 General clinical research center-children - Vitamin D metabolism in vitamin D resistant rickets
- ** MO1RR-00088-11 0013 General clinical research center - Diet and drug therapy relation to lipoprotein in hyper- and hypolipidemia (human)
- MO1RR-00095-14 0059 General clinical research center - Inotropic effect of oral hypoglycemic agents (human)
- MO1RR-00096-14 0057 Clinical research center - Vascular disease in diabetes (human)
- MO1RR-00102-11 0001 General clinical research center - Lipid metabolism (human)
- MO1RR-00107-11 0052 General clinical research center - Effect of obesity on thyroid function (human)
- MO1RR-00125-11 0143 General clinical research center - adult-child - Pastular peritonsitis of von Zumbusch
- MO1RR-00133-10 0036 General clinical research center - Lipid metabolism in hyperlipemia and diabetes mellitus (human)
- MO1RR-00168-10 0001 General clinical research center for children - Hypopituitary dwarfism
- MO1RR-00199-10 0034 General clinical research center for children - Adrenergic drugs on cystic fibrosis
- MO1RR-00199-10 0061 General clinical research center for children - Metachromatic leukodystrophy
- MO1RR-00229-09 0044 General clinical research center - Antibiotic effect of chlorpropamide (human)
- MO1RR-00229-09 0048 General clinical research center - Role of bradykinin in a new postural syndrome (human)
- MO1RR-00240-10 0031 General clinical research center-Children - Hypoglycemia
- MO1RR-00240-10 0094 General clinical research center-Children - Diazoxide and hypoglycemia
- MO1RR-00240-10 0098 General clinical research center-Children - Streptozotocin for unmitting hypoglycemia secondary to hyperinsulinism
- MO1RR-00240-10 0119 General clinical research center-Children - Effect of propranolol on Bartter's syndrome
- MO1RR-00262-09 0031 General clinical research center - Plasmin inhibitors in diabetes (human)
- MO1RR-00284-08 0007 General clinical research center-pediatric - Collagen metabolism in growth failure
- MO1RR-00287-08 0005 General clinical research center - Glucose homeostasis in diabetics (human)
- MO1RR-00287-08 0031 General clinical research center - Magnesium-parathyroid relationships (human)
- MO1RR-00287-08 0055 General clinical research center - Tolbutamide treatment for children with chemical diabetes
- MO1RR-00305-08 0018 Clinical research center for children - Diazoxide in treatment of Von Gierke disease
- MO1RR-00400-06 0039 General clinical research center-adult - Oculocutaneous pigment defects, blocks and treatment (human)
- MO1RR-00400-06 0041 General clinical research center-adult - Oculocutaneous pigment defects, blocks and treatment-study 2 (human)
- MO1RR-00400-06 0055 General clinical research center-adult - Glycosphingolipidoses and related diseases (human)
- MO1RR-00425-06 0048 General clinical research center - Treatment of primary amyloidosis with cytotoxic alkylation agents (human)
- MO1RR-00425-06 0076 General clinical research center - Necrotizing encephalomyelopathy in a child with cystathionuria
- MO1RR-00425-06 0078 General clinical research center - Metabolism of DHEA by fetal placental unit (human)
- MO1RR-00585-03 0006 General clinical research center - Long term study of Wilson's disease (human)
- MO1RR-00585-03 0009 General clinical research center - Therapeutic trials in metabolic bone disease (human)
- MO1RR-00585-03 0012 General clinical research center - Drug effect on cholesterol degradation to bile acids (human)
- MO1RR-00585-03 0017 General clinical research center - Acquired hypercalcaemia with small bowel resection (human)
- MO1RR-00633-02 0008 General clinical research center - Effect of aldactone on urinary calcium (human)
- MO1RR-00633-02 0038 General clinical research center - Drug metabolism in acute intermittent porphyria (human)
- MO1RR-00633-02 0064 General clinical research center - Oral cellulose phosphate therapy in hypercalcaemia (human)
- MO1RR-00645-03 0028 Clinical research center - Metabolism and transport of cholesterol (human)
- MO1RR-00722-02 0006 General Clinical Research Center - Natural history of diabetic retinopathy (human)
- MO1RR-00750-02 0007 General clinical research center - Disodium edotronate in treatment of Paget's disease (human)
- MO1RR-00750-02 0016 General clinical research center - Homocystinuria-Evaluation of therapy
- MO1RR-00750-02 0019 General clinical research center - Abnormalities of Ca and bone metabolism in thyrotoxicosis (human)
- MO1RR-00827-01 0001 General clinical research center - Biochemistry of cysteine biosynthesis in man
- MO1RR-00827-01 0007 General clinical research center - Causes and treatment of gallstones (human)
- MO1RR-00827-01 0008 General clinical research center - Genetic and metabolic factors in porphyrin synthesis in man
- MO1RR-00827-01 0027 General clinical research center - Enzyme infusion in Sanfilippo type B
- MO1RR-00827-01 0036 General clinical research center - New approaches to treatment of inborn errors of metabolism
- ** MO1RR-00828-01 0002 General clinical research center - Effect of propranolol on bone turnover in hyperthyroidism (human)
- ** MO1RR-00828-01 0003 General clinical research center - Effect of magnesium depletion on vitamin D metabolism (human)
- MO1RR-00828-01 0009 General clinical research center - Correlation blood levels of hypolipidemic drugs and pharmacologic effect (human)

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M Grant has subprojects describing specific research aspects.

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- MO1RR-00828-01 0018 General clinical research center - Colchicine metabolism in gout (human)
- MO1RR-00828-01 0023 General clinical research center - Hydrogen ion retention in diabetic acidosis and ketosis
- MO1RR-00828-01 0041 General clinical research center - Body composition in respiratory failure (human)
- MO1RR-00847-01 0028 Clinical research centers - Insulin, lipids, Alc hemoglobin in hyperglycemia (human)
- MO1RR-00865-01 0021 General clinical research center - Metabolic studies of degenerative neurological diseases (human)
- METABOLIC DISORDERS DIAGNOSIS***
- RO1AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
- RO1AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
- M RO1AM-13660-04 Pathology of biomedical disorders in vitro
- RO1AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
- ** RO1AM-15853-03 Receptor assay for insulin (human, swine, cattle)
- ** RO1AM-16698-01 Cystic fibrosis (human, rabbits)
- P17AM-17046-01 0003 Diabetes endocrinology center - Follow up of newly diagnosed diabetics (children)
- P17AM-17624-01 0007 Obesity center - Role of ketone bodies in energy metabolism in lean and obese men
- P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
- ** PO1HD-02528-08 0060 Research center in mental retardation - Early detection of degenerative diseases (human)
- ** PO1HD-02528-08 0083 Research center in mental retardation - Detection of brain destruction by serum isocitric dehydrogenase (human)
- ** PO1HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)
- RO1HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
- ** RO1HL-12745-06 0004 Enzymes and inhibitors of cholesterol biosynthesis - Leukocyte monitoring of lipid metabolism and anticholesteremic drugs (human)
- RO1HL-15659-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- ** RO1NS-06856-08 Storage disease - Intracellular transport and digestion (human, animals, plants)
- ** RO1NS-11665-01 Metachromatic leukodystrophy in cultured cell systems (human, rats)
- ** MO1RR-00096-14 0055 Clinical research center - Vitamin D resistant rickets response to 25-chlorocholecalciferol (human)
- ** MO1RR-00400-06 0057 General clinical research center - adult - Low methionine diet in homocystinuria (human)
- METABOLIC DISORDERS INBORN**
- SEE ALSO ADRENAL GLANDS DISORDERS, ADRENOGENITAL SYNDROME
- SEE ALSO ADRENAL GLANDS DISORDERS, HYPERALDOSTERONISM, CONN SYNDROME
- SEE ALSO BLOOD COAGULATION DISORDERS, AFIBRINOGENEMIA
- SEE ALSO BLOOD COAGULATION DISORDERS, CHRISTMAS DISEASE
- SEE ALSO BLOOD COAGULATION DISORDERS, HEMOPHILIA
- SEE ALSO BLOOD COAGULATION DISORDERS, VON WILLEBRAND'S DISEASE
- SEE ALSO BLOOD PROTEIN DISORDERS CONGENITAL
- SEE ALSO CONGENITAL ABNORMALITIES
- SEE ALSO GENETIC DISORDERS, KLINEFELTER'S SYNDROME
- SEE ALSO GENETIC DISORDERS, TURNER'S SYNDROME
- SEE ALSO HEMOPROTEINS, HAPTOGLOBIN, HYPHAPTOGLOBINEMIA
- SEE ALSO HEMOPROTEINS, HEMOGLOBINOPATHIES
- SEE ALSO JAUNDICE HEREDITARY NONHEMOLYTIC
- SEE ALSO LIPOGRAMULOMATOSSES, CEREBROTENDINOUS XANTHOMATOSIS
- SEE ALSO LIPOGRAMULOMATOSSES, FABER'S DISEASE
- SEE ALSO LIPOGRAMULOMATOSSES, LIPOID PROTEINOSIS
- SEE ALSO NERVOUS DISORDERS PERIPHERAL HEREDITARY, REFSUM'S SYNDROME
- SEE ALSO PANCREAS DISORDERS, TRYPSINOGEN DEFICIENCY DISEASE
- SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS
- SEE ALSO THYROID GLAND DISORDERS, HYPOTHYROIDISM FAMILIAL
- RO1AA-00084-07 Erythropoiesis in megaloblastic anemias (human)
- PO2AM-04501-13 0016 Metabolic disease research center - Genetic disorders of collagen metabolism (human)
- RO1AM-04524-14 0004 Requirements of polyunsaturated fatty acids - Diseases and nutritional problems involving fatty acid metabolism (human)
- ** PO2AM-05630-12 0015 Metabolic unit for the Department of Medicine - Vitamin dependence of inborn errors of metabolism (human)
- ** RO1AM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)
- ** RO1AM-10894-08 0001 Genetic metabolic diseases of infancy and childhood - Galactose metabolism in patients
- RO1AM-11448-08 Cellular regulation of enzyme activity (rabbits, mice)
- ** RO1AM-12579-05 Tissue culture study of inborn metabolic errors (human)
- PO2AM-13430-05 0001 Research and heredity clinic - Hemolytic anemias (human)
- RO1AM-13448-06 Mechanistic study of some O2 oxidoreductases
- RO1AM-14040-06 Disorders of steroid hormone biosynthesis (human, rats)
- ** RO1AM-14528-05 Inborn errors of metabolism in cell culture (human)
- RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- ** RO1AM-14638-04 Structure and function of aldose-ketose isomerases (human, Euglena)
- ** RO1AM-15645-03 Inborn errors and pyruvate kinase isozymes (cattle)
- ** RO1AM-15656-03 Molecular pathology of heritable disorders (human, mice)
- RO1AM-15836-03 Control of lipogenesis in animals and microorganisms (rats, microorganisms)
- RO1AM-16497-02 0012 Normal and disordered thyroid hormone economy - Thyroxine binding abnormalities in anabulimia (human)
- RO1AM-16691-03 Heme and globin synthesis in infants and children (human)
- PO1AM-17433-01 0015 Cardiovascular, metabolic aspects of membrane transport - Cation transport and metabolism in abnormal red cells (human)
- ** RO1AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
- P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
- RO1CA-04670-15 Hybridization, DNA function, mutation in cell culture (human, rodents)
- RO1CA-14928-10 C-type RNA virus and immunopathology (mice)
- RO1CA-15564-01 Leukocyte bactericidal power in leukemia (human)
- RO1CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)
- ** PO1GM-15253-08 0013 Genetics in medicine - Gene action in man - Polymorphism in the CNS (human, macaca, mice)
- PO1GM-15253-08 0023 Genetics in medicine - Gene action in man - Hair follicle
- ** PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- ** PO1GM-17702-05 0003 Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)
- ** PO1GM-17702-05 0009 Human biochemical genetics - Metabolic defect in cystinosis
- ** PO1GM-19100-03 0003 Genetics research center - Chromosome abnormalities (human)
- ** PO1GM-19443-03 0022 Problems in clinical genetics - Aminocidurias (human, monkeys)
- PO1GM-19443-03 0028 Problems in clinical genetics - Library of cell lines
- PO1GM-19513-03 0002 Human genetics - New biochemical tools in genetic diagnosis
- PO1GM-20124-02 0002 Center for human genetics and inherited disease - Hereditary metabolic diseases in cultured liver cells (human, rats)
- RO1GM-20316-01 Regulation of microsomal enzymes by phospholipids (Guinea rats, guinea pigs)
- RO1GM-20716-01 Comparative enzymology of normal and abnormal tissue (pigs, human)
- RO1GM-21726-01 Molecular structure of a soluble monooxygenase (nematodes rats)
- RO1HD-00371-20 Hormonal function in growth and development in childhood (human)
- ** RO1HD-00827-11 Effect of RNA and DNA on cephalic tarata (mice)
- PO1HD-01799-09 0015 Mental retardation research center - Patients with metabolic errors and aberrant behavioral development
- ** PO1HD-01799-09 0016 Mental retardation research center - Metabolic interactions in cell culture inborn errors of metabolism
- ** PO1HD-02080-09 Cell biology of developmental anomalies (human, mammals nonhuman)
- ** PO1HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
- RO1HD-02552-08 Cellular aspect of human genetics and immunology
- ** PO1HD-03015-08 0006 Program for developmental biology - Developmental genetics (human)
- ** PO1HD-03110-07 0032 Child development and mental retardation - Clinical and biochemical genetics (human)
- PO1HD-03110-07 0033 Child development and mental retardation - Clinical chemistry
- ** PO1HD-03352-07 0016 Wisconsin center on mental retardation - Inhibition of beta-galactosidase by beta-galactal (rats)
- PO1HD-03352-07 0037 Wisconsin center on mental retardation - Genetic research (human)
- ** PO1HD-04024-06 0002 Mental retardation research center - Organic chemistry (human)
- ** PO1HD-04024-06 0005 Mental retardation research center - Biochemical genetics (human)
- PO1HD-04024-06 0008 Mental retardation research center - Developmental pediatrics
- ** PO1HD-04147-06 0021 Research in mental retardation - Polioencephalopathy disease (human)
- ** RO1HD-04252-06 Tissue culture in hereditary disorders (human)
- ** PO1HD-04612-06 0004 Mental retardation research center - Lipid distribution and metabolism in demyelating conditions
- ** PO1HD-04612-06 0014 Mental retardation research center - Inborn errors of metabolism of amine acids and sugars
- ** PO1HD-04612-06 0017 Mental retardation research center - Molecular aspects of enzyme deficiency diseases (human)
- M PO1HD-04665-04 Metabolic abnormalities in mental retardation
- ** RO1HD-04870-05 Organic metabolites related to mental retardation (human)
- PO1HD-05221-05 0032 Center grant in mental retardation - Division of inborn errors of metabolism (rats)
- PO1HD-05523-04 0001 Analysis of genetic effects on aging - Longevity of inbred mice
- PO1HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
- ** PO1HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)
- ** PO1HD-06321-02 0001 Genetic aspects of human fetal development - Inherited metabolic diseases in the fetus (human, dogs)
- M RO1HD-06353-03 Inherited metabolic disorders
- ** RO1HD-06356-03 Folate metabolism and mental retardation (human)
- M RO1HD-06576-01 Molecular aspects of mental retardation
- NO1HD-22747-04 National amniocentesis registry
- NO1HD-22748-03 National amniocentesis registry
- NO1HD-32764-02 National amniocentesis registry
- ** RO1HL-08727-10 Nature and function of plasma lipoproteins (human, primates, rats)
- PO1HL-09011-11 0010 A research and resource program in blood - Human genetics and cytogenetics (rodents)
- RO1HL-12944-05 Enzymatic and biochemical studies on blood cells (human)
- RO1HL-12972-05 Glutathione deficiency in red cells (sheep)
- ** RO1HL-13394-05 Hyperlipoproteinemia (rats)
- RO1HL-13667-08 Natural history of chronic bronchitis - emphysema (human)
- RO1HL-14131-14 Abnormal hemoglobin syndromes (human, monkeys)
- RO1HL-14641-09 Phosphate metabolism in transport (human)
- RO1HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
- ** RO1HL-15125-02 Molecular pathology of genetic disorders in man
- ** RO1NS-01847-16 Lipid composition of brain in pathological states (human, mice)
- ** RO1NS-05096-11 0004 New amino acid disorders in cerebral disease - Tyrosinosis without hepatorenal disease (children)
- ** RO1NS-05096-11 0008 New amino acid disorders in cerebral disease - Episodic acidosis (human)
- ** RO1NS-06448-09 Pathogenesis of heredity neurological disorders (mice)
- ** MO1RR-00030-13 0004 General clinical research center - Familial ketosis (human)
- ** MO1RR-00036-14 0085 General clinical research center - Hypoglycemia in early childhood
- MO1RR-00036-14 0108 General clinical research center - Inborn errors and acquired defects of renal function (human)
- ** MO1RR-00039-14 0029 General clinical research center - Responsiveness to human growth hormone (human)
- MO1RR-00046-14 0006 General clinical research center - Hypercoagulability and thrombosis (human)
- ** MO1RR-00047-14 0096 General clinical research center - Treatment of subacute necrotizing encephalomyelopathy (human)
- MO1RR-00059-13 0086 General clinical research center - Beta-sitosterolemia and xanthomatosis (human)
- ** MO1RR-00059-13 0128 General clinical research center - Measurement of cholesterol absorption by collection of single stool (human)
- MO1RR-00059-13 0163 General clinical research center - Cerebrotendinous xanthomatosis (human)
- MO1RR-00059-13 0169 General clinical research center - Hypercholesteremic pigeon - Treatment with cholestano 3beta, 5alpha, 6beta-triol
- MO1RR-00059-13 0174 General clinical research center - Heparin-induced elevation of free fatty acid in diabetes (human)
- MO1RR-00062-12 0007 Clinical research center, children - Disorders of calcium and phosphorus metabolism
- MO1RR-00064-10 0013 General clinical research center - Disorders of mucopolysaccharide metabolism (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00069-12 0059 General clinical research center, children - Dietary management of inborn errors of metabolism
 ** MO1RR-00069-12 0078 General clinical research center, children - Detection of carriers of ornithine transcarbamylase deficiency
 MO1RR-00069-12 0103 General clinical research center, children - Diagnosis and therapy in hyperlipidemia
 MO1RR-00073-12 0046 General clinical research center - Megaloblastic anemia in regards to metabolic effects and genetics (human)
 ** MO1RR-00073-12 0068 General clinical research center - Prolidase defect-Effect of diet on urinary excretion of amino acids (human)
 MO1RR-00079-12 0058 General clinical research center - Idiopathic and ketogenic hypoglycemia (human)
 MO1RR-00079-12 0095 General clinical research center - Evaluation of pituitary function with thyroid releasing factor (human)
 ** MO1RR-00084-12 0006 General clinical research center-children - Endocrine and metabolic factors in alterations of growth
 MO1RR-00086-12 0027 General clinical research center-children - Congenital adrenal hyperplasia, 11-and 17-hydroxylase deficiencies
 MO1RR-00096-14 0032 Clinical research center - Congenital hyperuricemia (human)
 ** MO1RR-00125-11 0214 General clinical research center-adult-child - Adrenal and testicular function in male puberty with dehydrogenase deficiency
 MO1RR-00188-19 0021 General clinical research center for children - Potassium balance in salt losing adrenogenital syndrome
 ** MO1RR-00199-10 0059 General clinical research center for children - Renal physiology in Lowe's syndrome
 ** MO1RR-00199-10 0064 General clinical research center for children - Immunosuppressive therapy for lysosomal enzyme deficiency disorders
 ** MO1RR-00229-09 0048 General clinical research center - Role of bradykinin in a new postural syndrome (human)
 ** MO1RR-00229-09 0062 General clinical research center - Treatment of liver failure tyrosinemia and methioninemia (human)
 ** MO1RR-00240-10 0083 General clinical research center-Children - Detection of carriers of 21 hydroxylase deficiency
 MO1RR-00261-09 0036 General clinical research center - Hypoproteinemia and protein-losing enteropathy (human)
 ** MO1RR-00305-08 0029 Clinical research center for children - Infantile lipidosis
 MO1RR-00585-03 0025 General clinical research center - Lipid storage myopathy (human)
 ** MO1RR-00633-02 0063 General clinical research center - Mechanism of hypercalcemia (human)
 MO1RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
 MO1RR-00645-03 0041 Clinical research center - Control of nitrogen metabolism in pediatric patients
 PO7RR-00665-01 Regional biomedical mass spectrometry resource
 MO1RR-00749-02 0024 General clinical research center - Immune deficiency disorders on unknown etiology (human)
 MO1RR-00827-01 0008 General clinical research center - Genetic and metabolic factors in purine synthesis in man
 ** MO1RR-00827-01 0016 General clinical research center - Investigation of inborn errors of metabolism using C13 (human)
 MO1RR-00827-01 0036 General clinical research center - New approaches to treatment of inborn errors of metabolism
 ** MO1RR-00865-01 0021 General clinical research center - Metabolic studies of degenerative neurological diseases (human)
- METABOLIC DISORDERS INBORN, ACATALASEMIA**
 P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
 P17HL-14141-04 0004 SCOR for atherosclerosis in childhood - Intermediary metabolism of sterols in atherosclerosis (rats, mice)
 RO1NS-06856-08 Storage disease-Intracellular transport and digestion (human, animals, plants)
- METABOLIC DISORDERS INBORN, ACHONDROPLASIA**
 ** RO1AM-00149-22 0001 Mucopolysaccharides in skeletal growth disorders - Iliac crest cartilage of achondroplastic children
 RO1AM-00149-22 0003 Mucopolysaccharides in skeletal growth disorders - Proteoglycans-collagen interactions
 RO1AM-00149-22 0005 Mucopolysaccharides in skeletal growth disorders - Extraction and purification of proteoglycans of iliac crest cartilage
 RO1AM-17258-01 In vitro culture of articular chondrocytes (human, rabbits)
 RO1AM-17266-01 Gaiter and retardation in Ecuador and Peru (human)
 ** PO1GM-15253-08 0049 Genetics in medicine-Gene action in man - Clinical genetics in Childrens Orthopedic Hospital
 ** PO1GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
- ** PO1GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
 ** PO1GM-19489-03 0005 Study of human genetics - Norms for skeletal development in achondroplasia and pseudoanthoma elasticum
 PO1GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
 ** PO1GM-19489-03 0020 Study of human genetics - Genetic linkage studies with deleterious autosomal dominant phenotypes
 PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 PO1HD-02274-08 0005 Mental retardation and child development - Developmental biochemistry (human, animals, yeasts)
 RO1HD-05624-04 Genetics and pathogenesis of the chondrodysplasias (human, mice, rabbits, dogs)
 PO1HD-05961-03 0002 Human and mammalian development - Development of mitochondria and their role in embryogenesis (human, rodents)
 ** PO1HD-05961-03 0005 Human and mammalian development - Metabolism of achondroplastic cartilage cells (rabbits, human)
 ** RO1HD-06546-03 Etiology of achondroplasia in man and mammals (rabbits)
 RO1HL-05457-14 Biological oxidations (human, mammals, microorganisms)
 MO1RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
 ** MO1RR-00052-13 0019 General clinical research center for children - Genetic disorders of osseous skeleton
 MO1RR-00628-04 0007 General clinical research center for children - Neuroendocrine aspects of sleep in dwarfism
 MO1RR-00722-02 0018 General Clinical Research Center - Skeletal dysplasia (human)
 MO1RR-00722-02 0029 General Clinical Research Center - Obstetrical and gynecological complications in heritable disorders (human)
- METABOLIC DISORDERS INBORN, ACRODERMATITIS ENTEROPATHICA**
 ** MO1RR-00865-01 0034 General clinical research center - Structure and function of GI tract in acrodermatitis enteropathica (human)
- METABOLIC DISORDERS INBORN, ALDRICH SYNDROME**
 RO1AI-10686-02 Transfer factor therapy (human, rabbits, guinea pigs)
 P15AI-12026-01 0001 Asthma and allergic diseases centers grant - Thymus-dependent immune function in atopy and hyperimmunoglobulinemia E (human)
 ** PO2AM-05630-12 0016 Metabolic unit for the Department of Medicine - Transfer factor in management of Wiscott-Aldrich syndrome (human)
 PO2CA-08341-09 0042 Clinical pharmacology and cancer chemotherapy - IBM cell separator program
 PO1HD-02274-08 0144 Mental retardation and child development - Developmental immunology (human, rats)
 PO1HD-05894-04 0006 Genetic childhood diseases and aging - Parathyroid assays in relation to cellular immunity and aging (human)
 PO1HD-05894-04 0007 Genetic childhood diseases and aging - Nature and clinical use of transfer factor (human)
 MO1RR-00071-11 0055 General clinical research center - Therapeutic transfer factor in cell-mediated immune deficiency diseases (human)
 ** MO1RR-00123-11 0025 General clinical research center-Children - Transfer factor in therapy of leukemia, immune deficiency diseases
 MO1RR-00125-11 0208 General clinical research center-adult-child - Transfer factor treatment in impaired cellular immunity
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES**
 SEE ALSO GENETIC DISORDERS, DOWN'S SYNDROME
 SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDURIA
RENAL
 SEE ALSO METABOLIC DISORDERS INBORN, FAMILIAL MEDITERRANEAN FEVER
 SEE ALSO METABOLIC DISORDERS (INBORN), HYPEROXALURIA AND OXALOSIS
 SEE ALSO METABOLIC DISORDERS INBORN, UREA CYCLE
 SEE ALSO THYROID GLAND DISORDERS, HYPOTHYROIDISM
FAMILIAL
 RO1AM-06815-12 0002 Inborn errors of metabolism - Lipid disorders (human)
 ** RO1AM-06815-12 0003 Inborn errors of metabolism - Amino acids (human)
 ** RO1AM-07984-12 Hydroxylysine metabolism (mammals, birds, reptiles, fish, invertebrates)
 ** RO1AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
 ** PO1AM-11793-07 0005 Kidney and electrolyte metabolism - Aminoaciduria in the nephrotic syndrome (human, rabbits)
 PO1AM-13173-10 0001 Malignant and genetic alterations in human cells - Genetics (human, dogs)
 ** PO1AM-13173-10 0006 Malignant and genetic alterations in human cells - Urinary peptides (human, swine)
- RO1AM-15531-03 Membrane transport of amino acids (human, rabbits)
 ** RO1AM-15855-03 Branched amino acid metabolism in altered nutrition (human, rats)
 ** RO1AM-17113-01 5-Ompresino, aminoacidurias and mental retardation (human, rats, mice, dogs)
 ** NO1AM-90066-06 Study on amino acids and uremia (human)
 ** PO1GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
 ** PO1GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
 M PO1HD-03352-07 Wisconsin center on mental retardation
 ** PO1HD-03352-07 0010 Wisconsin center on mental retardation - Brain protein synthesis in hyperaminoacidemias (rats)
 ** PO1HD-03352-07 0011 Wisconsin center on mental retardation - Myelin in hyperaminoacidemias and nutritional deficiencies (mammals)
 ** PO1HD-03352-07 0012 Wisconsin center on mental retardation - Hypersarcosinemia (mammals)
 ** PO1HD-03352-07 0013 Wisconsin center on mental retardation - The enzyme defect in hypersarcosinemia (human)
 PO1HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
 ** PO1HD-04612-06 0014 Mental retardation research center - Inborn errors of metabolism of amino acids and sugars
 ** PO1HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)
 M PO1HD-05342-04 Mental retardation and brain development
 ** PO1HD-05342-04 0002 Mental retardation and brain development - Hyperaminoacidemia nutrition and myelin deposition (rats)
 PO1HD-05342-04 0004 Mental retardation and brain development - Amino acid studies in growing rat
 ** PO1HD-05342-04 0011 Mental retardation and brain development - Amino aminopathies and genetic diseases (human, rats)
 ** RO1HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 ** RO1HD-06353-03 0003 Inherited metabolic disorders - Arginase deficient monkeys
 ** RO1HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
 PO1HD-06576-01 0001 Molecular aspects of mental retardation - Metabolic diseases in relation to mental retardation and childhood autism
 ** PO1HD-07578-01 0003 Growth and nutrition of normal infants - Proteins and amino acids (human)
 M RO1NS-05096-11 New amino acid disorders in cerebral disease
 ** RO1NS-05096-11 0005 New amino acid disorders in cerebral disease - Hyperornithinemia
 RO1NS-10803-03 Experimental pathology of developing nervous system (rodents)
 ** MO1RR-00030-13 0015 General clinical research center - Aminoacidurias (human)
 ** MO1RR-00037-14 0122 General clinical research center - Genetic studies of amino acid metabolism inborn errors (human)
 ** MO1RR-00039-14 0096 General clinical research center - Inborn errors of amino acid metabolism (human)
 ** MO1RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
 ** MO1RR-00052-13 0046 General clinical research center for children - Evaluation of a new defect in amino acid transport
 MO1RR-00062-12 0015 Clinical research center, children - Sleep-dream patterns in phenylalaninemia
 ** MO1RR-00064-10 0015 General clinical research center - Chromatographic studies on hereditary aminoacidurias (human)
 ** MO1RR-00082-12 0088 General clinical research center - Seizures secondary to protein intolerance (human)
 MO1RR-00086-12 0001 General clinical research center-children - Metabolic problems involving amino acids and related compounds
 ** MO1RR-00096-14 0064 Clinical research center - Dietary therapy in disturbances of amino acid metabolism (human)
 ** PO6RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 MO1RR-00261-09 0051 General clinical research center - Phenylketonuria and other inborn errors of metabolism (human)
 ** MO1RR-00284-08 0050 General clinical research center-pediatric - Aminoacidurias
 MO1RR-00305-08 0037 Clinical research center for children - Evaluation of chromosomal aberrations (human)
 ** MO1RR-00533-06 0046 General clinical research center, adult - Aminoaciduria in the nephrotic syndrome
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, ALBINISM**
 RO1AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
 ** RO1AM-15317-03 Oculocutaneous pigment defects, blocks and treatment (human, rabbit, guinea pigs)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01CA-07093-12 Tyrosinases—Mechanism of action and regulation (human rodents, pigs)
 R01EY-00213-15 ERG and psychophysical studies in retinal disorders (human)
 P15EY-00494-05 Clinical electrophysiologic studies of ocular disease (human)
 ** R01EY-00785-03 0003 Vision research center - Drugs and oculocutaneous albinism (human)
 ** R01EY-00962-02 Abnormalities in visual pathways (cats, rabbits, mink)
 P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
 P01GM-20130-01 0004 Clinical genetics research center - Old Order Amish
 R01NS-11237-02 Brain development in normal and mutants (mice)
 ** M01RR-00400-06 0039 General clinical research center - adult - Oculocutaneous pigment defects, blocks and treatment (human)
 M01RR-00400-06 0041 General clinical research center - adult - Oculocutaneous pigment defects, blocks and treatment - study 2 (human)
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, ALKAPTONURIA**
 SEE ALSO PHENYLACETIC ACIDS, HOMOGENTISIC ACID
 P02AM-05577-13 0005 Clinical research unit in rheumatic diseases - Dietary approach to treatment of ochronosis (human)
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, CYSTATHIONINURIA**
 R01GM-12633-11 Enzyme mechanisms and enzyme inhibitors (rats)
 R01NS-05096-11 0001 New amino acid disorders in cerebral disease - Homocystinuria due to methyltetrahydrofolate reductase deficiency (children)
 M01RR-00037-14 0122 General clinical research center - Genetic studies of amino acid metabolism inborn errors (human)
 ** M01RR-00425-06 0076 General clinical research center - Necrotizing encephalomyelopathy in a child with cystathioninuria
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, CYSTINOSIS**
 SEE ALSO METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME
 ** R01AM-13900-05 Metabolic basis of cystine storage disease (human)
 ** P01GM-17702-05 0009 Human biochemical genetics - Metabolic defect in cystinosis
 ** P01GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
 ** P01GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
 R01HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
 M01RR-00030-13 0015 General clinical research center - Aminoacidurias (human)
 ** M01RR-00037-14 0011 General clinical research center - Effects of renal transplantation in fatal metabolic disorders (human)
 ** M01RR-00039-14 0034 General clinical research center - Infantile cystinosis (human)
 M01RR-00229-09 0024 General clinical research center - Persistent diarrhea in infants (human)
 ** M01RR-00240-10 0064 General clinical research center - Children - Childhood cystinosis
 ** M01RR-00305-08 0089 Clinical research center for children - The Fanconi syndrome, including cystinosis
 ** M01RR-00827-01 0013 General clinical research center - Cystinosis and the Fanconi syndrome (human)
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA**
 R01AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 R01AM-14038-05 Intestinal protein metabolism and function (human, rats)
 R01AM-16097-02 Propionogenic potential of polyunsaturated fat (human, rats)
 R01AM-16529-01 New diabetogenic peptide from human pituitary glands (human, rabbits and rats)
 P17AM-17026-01 0007 Vanderbilt University Diabetes-Endocrinology Center - Breath acetone analysis in diabetes diagnosis (human)
 R01AM-17082-01 Neural regulation of insulin secretion rate (dogs)
 R01AM-17551-02 Enzymatic and nonenzymatic reactions of glyoxylate (animals, plants, bacteria)
 P01GM-14546-08 0047 Influence of acute illness and injury on energy - Injury and sepsis—Hepatic vs forearm metabolism (human)
 P01HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
 ** R01HD-04608-06 Amino acid interrelations in human metabolic disease
- P01HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)
 ** P01HD-05342-04 0011 Mental retardation and brain development - Amino aminopathies and genetic diseases (human, rats)
 ** R01HL-16662-01 Quarter century follow-up of the Oxford study
 ** R01NS-05096-11 0003 New amino acid disorders in cerebral disease - Hyperglycinemias (children)
 ** M01RR-00040-14 0086 General clinical research center - Glycine-serine interconversion in hyperglycinemia (human)
 M01RR-00827-01 0016 General clinical research center - Investigation of inborn errors of metabolism using C13 (human)
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA KETOTIC (GENERAL)**
 SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, METHYLMALONIC ACIDURIA
 R01AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 ** R01AM-15531-03 Membrane transport of amino acids (human, rabbits)
 P02CA-13053-03 0090 Clinical cancer radiation therapy research center - Detection of inborn errors of metabolism (human)
 ** P01HD-05342-04 0011 Mental retardation and brain development - Amino aminopathies and genetic diseases (human, rats)
 ** R01NS-05096-11 0003 New amino acid disorders in cerebral disease - Hyperglycinemias (children)
 ** M01RR-00086-12 0001 General clinical research center - children - Metabolic problems involving amino acids and related compounds
 M01RR-00827-01 0016 General clinical research center - Investigation of inborn errors of metabolism using C13 (human)
 ** M01RR-00827-01 0036 General clinical research center - New approaches to treatment of inborn errors of metabolism
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, HISTIDINEMIA**
 R01AM-10370-09 Metabolic abnormalities in rheumatoid arthritis
 ** P01GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
 P01HD-05342-04 0004 Mental retardation and brain development - Amino acid studies in growing rat
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, HOMOCYSTINURIA**
 ** P01AM-03564-15 0031 Mesenchymal tissues and their diseases - Homocystinuria (human)
 R01AM-09406-11 0004 Genetic diseases - Collagen metabolism (human)
 R01AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
 R01AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 R01AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
 R01AM-15656-03 Molecular pathology of heritable disorders (human, mice)
 R01AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
 R01AM-16506-02 Chemistry and biology of normal and abnormal collagens (human)
 ** R01AM-16950-01 Serine and threonine metabolism (sheep)
 R01AM-17128-01 Collagen and elastin of connective tissue disease
 R01CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
 ** P01GM-17702-05 0005 Human biochemical genetics - Prenatal diagnostic facility
 ** P01GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
 ** P01GM-19489-03 0010 Study of human genetics - Role of homocystine in pathogenesis of homocystinuria
 ** P01GM-19489-03 0013 Study of human genetics - Treatment of homocystinuria with vitamin B6
 ** P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 ** P01GM-20124-02 0002 Center for human genetics and inherited disease - Hereditary metabolic diseases in cultured liver cells (human, rats)
 P01HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
 P01HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)
 R01HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 P17HL-15103-03 0010 Specialized center of research-arteriosclerosis - Experimental models—Induction of lesions (monkeys)
- ** P01MH-16674-06 0031 A program of psychiatry-oriented biological research - Amino acid analysis in children of two schizophrenic parents
 ** R01NS-05096-11 0001 New amino acid disorders in cerebral disease - Homocystinuria due to methyltetrahydrofolate reductase deficiency (children)
 M01RR-00032-14 0030 General clinical research center - Metabolic problems in megaloblastic anemia (human)
 ** M01RR-00035-14 0040 General clinical research centers - Heritable disorders of connective tissues (human)
 M01RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
 ** M01RR-00050-13 0062 Wilson's disease - Homocystinuria (human)
 ** M01RR-00052-13 0009 General clinical research center for children - Degenerative diseases of central nervous system
 M01RR-00052-13 0045 General clinical research center for children - A new treatable form of schizophrenia
 ** M01RR-00052-13 0047 General clinical research center for children - Homocystinuria
 M01RR-00069-12 0020 General clinical research center, children - Enzyme variants in methylmalonic aciduria
 ** M01RR-09071-11 0031 General clinical research center - inborn errors of amino acid metabolism in mental deficiency (human)
 ** M01RR-00082-12 0109 General clinical research center - Effect of vitamin B6 therapy in homocystinuria
 ** M01RR-00400-06 0057 General clinical research center - adult - Low methionine diet in homocystinuria (human)
 ** M01RR-00722-02 0017 General Clinical Research Center - Heritable disorders of connective tissue (human)
 ** M01RR-00750-02 0016 General clinical research center - Homocystinuria—Evaluation of therapy
 ** M01RR-00827-01 0001 General clinical research center - Biochemistry of cysteine biosynthesis in man
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, ISOVALERIC ACIDEMIA**
 P02AM-04501-13 0020 Metabolic disease research center - Hepatotoxins (rats, children)
 ** R01HD-04608-06 Amino acid interrelations in human metabolic disease
 R01HD-04870-05 Organic metabolites related to mental retardation (human)
 R01HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 ** R01NS-05096-11 0012 New amino acid disorders in cerebral disease - Hypoglycin A induced isovaleric acidemia and other abnormalities (rats)
 ** R01NS-05096-11 0013 New amino acid disorders in cerebral disease - Diagnosis of isovaleric acidemia in cell culture and amniotic fluid (human)
 R24RR-00612-05 Resource-related research-computer and chemistry
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, LYSINEMIA**
 ** R01HD-02920-08 Lysine metabolism in infants and children
 ** R01HD-04526-05 Inborn errors of metabolism (human)
 R01NS-11822-01 Metabolism and inhibition of lysine in brain (rats)
 ** M01RR-00065-12 0041 General clinical research center - Hyperlysinemia (human)
- METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, MAPLE SYRUP URINE DISEASE**
 ** R01AM-14528-05 Inborn errors of metabolism in cell culture (human)
 R01AM-16784-02 Metabolism of branched chain alpha-keto acids (human, rats)
 R01AM-16897-02 Biochemical bases of branched-chain ketociduria (human, rats)
 P02CA-13053-03 0090 Clinical cancer radiation therapy research center - Detection of inborn errors of metabolism (human)
 P15EY-00494-05 Clinical electrophysiologic studies of ocular disease (human)
 ** P01GM-15253-08 0014 Genetics in medicine—Gene action in man - Genetic variants in study of macromolecular uptake
 P01GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
 ** P01GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
 ** R01HD-04526-05 Inborn errors of metabolism (human)
 ** P01HD-05342-04 0011 Mental retardation and brain development - Amino aminopathies and genetic diseases (human, rats)
 R01HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 R01HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
 ** R01HD-06599-03 Inhibition of myelinogenesis in genetic diseases (rats, mice, human)
 ** R01NS-05096-11 0015 New amino acid disorders in cerebral disease - Classic maple syrup urine disease

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

† Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 ** MO1RR-00039-14 0036 General clinical research center - Maple syrup urine disease (human)
 ** MO1RR-00096-14 0031 Clinical research center - Dietary therapy of maple syrup urine disease (human)
 ** MO1RR-00827-01 0036 General clinical research center - New approaches to treatment of inborn errors of metabolism

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, METHYLMALONIC ACIDURIA

- RO1AI-03899-14 Metabolism of normal and bacteriophage infected *Escherichia coli* (human)
 RO1AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 RO1AM-16097-02 Propionogenic potential of polyunsaturated fat (human, rats)
 PO2CA-13053-03 0090 Clinical cancer radiation therapy research center - Detection of inborn errors of metabolism (human)
 PO1HD-04024-06 0002 Mental retardation research center - Organic chemistry (human)
 ** PO1HD-05342-04 0011 Mental retardation and brain development - Amino acidopathies and genetic diseases (human, rats)
 RO1HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 ** RO1HD-06575-02 Metabolic studies in methylmalonic acidemia (human, rats)
 ROINS-08246-06 Metabolic error in Refsum's syndrome (human, rats)
 ** MO1RR-00069-12 0020 General clinical research center, children - Enzyme variants in methylmalonic aciduria
 ** MO1RR-00086-12 0001 General clinical research center - children - Metabolic problems involving amino acids and related compounds
 MO1RR-00827-01 0016 General clinical research center - Investigation of inborn errors of metabolism using C13 (human)

METABOLIC DISORDERS (INBORN), AMINOACIDOPATHIES, PHENYLALANINEMIA

- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, PHENYLKETONURIA
 ** RO1AM-14834-04 Phenylalanine hydroxylase, PKU detection (rodents, human)
 ** PO1HD-05342-04 0001 Mental retardation and brain development - Brain protein synthesis in hyperaminoacidemias (rats)
 ** PO1HD-05342-04 0002 Mental retardation and brain development - Hyperaminoacidemia nutrition and myelin deposition (rats)
 ** ROINS-10442-03 Defective myelination - Role of lipid metabolism (rats)
 ROINS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
 ROINS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
 MO1RR-00037-14 0122 General clinical research center - Genetic studies of amino acid metabolism inborn errors (human)
 MO1RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
 ** MO1RR-00062-12 0015 Clinical research center, children - Sleep-dream patterns in phenylalaninemia
 MO1RR-00069-12 0042 General clinical research center, children - Phenylketonuria collaborative study
 ** MO1RR-00086-12 0021 General clinical research center - children - Metabolic studies of hyperphenylalaninemia (phenylketonuria, diagnosis)
 MO1RR-00229-09 0025 General clinical research center - Phenylketonuria (human)
 ** MO1RR-00240-10 0116 General clinical research center - Children - Study of amino acid metabolism in hyperphenylalaninemia

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, PHENYLKETONURIA

- SEE ALSO METABOLIC DISORDERS (INBORN), AMINOACIDOPATHIES, PHENYLALANINEMIA
 RO1AM-00567-21 Regulation of tyrosine and tryptophan metabolism (rats, human)
 ** RO1AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
 RO1AM-12960-05 Oxalic acid metabolism and primary hyperoxaluria (rats, human)
 ** RO1AM-14834-04 Phenylalanine hydroxylase, PKU detection (rodents, human)
 RO1AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
 RO1AM-16622-02 Pterins in clinical patients
 PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 ** RO1HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
 ** RO1HD-01823-11 Effect of amino acids on metabolism, EEG, and behavior (human, rats)
 RO1HD-03967-09 Detection and study of inborn errors (human)

- PO1HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
 PO1HD-04024-06 0008 Mental retardation research center - Developmental pediatrics
 PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit
 ** PO1HD-05221-05 0032 Center grant in mental retardation - Division of inborn errors of metabolism (rats)
 ** RO1HD-05285-03 Experimental phenylketonuria (rats)
 ** PO1HD-05342-04 0001 Mental retardation and brain development - Brain protein synthesis in hyperaminoacidemias (rats)
 PO1HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 RO1HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 ** RO1HD-06353-03 0002 Inherited metabolic disorders - Detecting and breeding possible carriers of PKU gene in simians
 RO1HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
 ** PO1HD-06576-01 0005 Molecular aspects of mental retardation - Characterization of the genetic lesion in phenylketonuria (human, rats)
 ** RO1HD-06599-03 Inhibition of myelinogenesis in genetic diseases (rats, mice, human)
 ** RO1HD-06843-01 Cerebral phenylalanine metabolism in phenylketonuria (rats, human)
 ** PO1HS-00110-11 0035 Medical care and patient care research program (human) - Screening for phenylketonuria in United Kingdom
 RO1MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
 ** ROINS-05096-11 0006 New amino acid disorders in cerebral disease - Maternal phenylketonuria (mothers, children)
 ** ROINS-05096-11 0010 New amino acid disorders in cerebral disease - Animal model for PKU (primates screening)
 ROINS-07156-09 Enzyme theory and relationship to function (mice)
 ** MO1RR-00039-14 0068 General clinical research center - Phenylketonuria-Heterozygote detection (human)
 MO1RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
 ** MO1RR-00046-14 0001 General clinical research center - Connective tissue disorders and phenylketonuria (human)
 ** MO1RR-00052-13 0013 General clinical research center for children - Dietary treatment of phenylketonuria
 ** MO1RR-00069-12 0042 General clinical research center, children - Phenylketonuria collaborative study
 ** MO1RR-00086-12 0021 General clinical research center - children - Metabolic studies of hyperphenylalaninemia (phenylketonuria, diagnosis)
 PO6RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 ** MO1RR-00199-10 0023 General clinical research center for children - Phenylketonuria
 ** MO1RR-00229-09 0025 General clinical research center - Phenylketonuria (human)
 ** MO1RR-00261-09 0051 General clinical research center - Phenylketonuria and other inborn errors of metabolism (human)
 ** MO1RR-00645-03 0041 Clinical research center - Control of nitrogen metabolism in pediatric patients

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, TYROSINEMIA

- ** RO1EY-00753-02 Biochemical cytology of metabolic eye diseases (rats)
 ROINS-05096-11 0004 New amino acid disorders in cerebral disease - Tyrosinosis without hepatorenal disease (children)
 MO1RR-00030-13 0015 General clinical research center - Aminoacidurias (human)
 ** MO1RR-00073-12 0069 General clinical research center - Tyrosinemia - Effect of low tyrosine diet (human)
 R24RR-00612-05 Resource-related research-computer and chemistry

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, TYROSINOSIS (IDIOPATHIC)

- RO1HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
 MO1RR-00069-12 0059 General clinical research center, children - Dietary management of inborn errors of metabolism
 ** MO1RR-00645-03 0037 Clinical research center - Enzyme defects in carbohydrate and protein disorders of the liver (human)

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, VITAMIN B12 TRANSPORT DEFECT

- ** RO1AM-17767-01 Transcobalamin II in the transport of vitamin B-12 (dogs, human)
 RO1CA-14491-01 Novel transport proteins in hepatoma (human, rabbits)

- PO1HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
 PO1HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amine acid metabolism (human)

METABOLIC DISORDERS INBORN, AMINOACIDURIA RENAL

- SEE ALSO METABOLIC DISORDERS INBORN, CYSTINURIA
 SEE ALSO METABOLIC DISORDERS INBORN, DE TONI-FABRICOM SYNDROME
 SEE ALSO METABOLIC DISORDERS INBORN, HARTNUP DISEASE
 SEE ALSO METABOLIC DISORDERS INBORN, HEPATOLENTICULAR DEGENERATION
 SEE ALSO METABOLIC DISORDERS (INBORN), HEMOGLOBINURIA
 SEE ALSO URINARY TRACT DISORDERS, URINARY CALCULI
 RO1AM-10894-08 0010 Genetic metabolic diseases of infancy and childhood - Developmental pattern of amino acid transport in rat kidney cortex

METABOLIC DISORDERS (INBORN), AMYLOIDOSIS

- PO1AM-01431-18 0003 Rheumatic diseases - Electron microscopy (human, mice)
 ** RO1AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
 ** PO1AM-10824-08 0013 Cellular immunity - Kidney transplantation in amyloidosis (human)
 ** RO1AM-12274-07 Ultrastructure of leukocytes and platelets (human)
 ** RO1AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
 RO1AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
 RO1AM-17196-02 Clinicopathologic and other studies on renal disease (human, rats)
 PO1CA-02332-20 0012 Clinical and laboratory studies of normal and abnormal growth - Plasmacytic and monocytic dyscrasias (human, rats)
 PO2CA-11911-04 0003 Clinical cancer center - Evaluation of plasma cell proliferative disorders
 ** PO2CA-11911-04 0005 Clinical cancer center - Amyloidosis
 PO2CA-12197-03 0017 Multidisciplinary oncology research center - Response in chronic lymphocytic leukemia to phytohemagglutinin (human)
 PO2CA-13696-02 0002 Clinical cancer research center - Multiple myeloma and related plasma cell dyscrasia (human)
 RO1CA-15146-02 Genetic control of the immune response (mice, rats)
 ** PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 PO1HD-00669-15 0015 Interdisciplinary program of research in aging - New acidic structural protein from skin (rats, human)
 PO1HD-00669-15 0016 Interdisciplinary program of research in aging - Aging animal facility (monkeys, dogs)
 PO1HD-05523-04 0001 Analysis of genetic effects on aging - Longevity of inbred mice
 RO1HD-32717-01 Immunopathologic consequences of vasectomy (human, guinea pigs, rats)
 PO1HL-03174-19 0002 Mechanisms of acute vascular reaction to injury - Amyloid substance-chemical structure, pathological significance (human, animals)
 RO1HL-16603-01 Human and experimental renal diseases (rats)
 RO1HL-16661-01 Risk factors and atherosclerosis in diabetic monkeys
 PO1NS-06229-09 0012 Cerebrovascular diseases program - Epidemiologic study of presenile and senile dementia (human)
 RO1NS-11457-02 Pathogenesis of CNS autoimmune disorders (human, mice)
 ** MO1RR-00425-06 0048 General clinical research center - Treatment of primary amyloidosis with cytotoxic alkylation agents (human)

METABOLIC DISORDERS INBORN, ANGIONEUROTIC EDEMA (HEREDITARY)

- P15AI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
 PO2AM-05577-13 0001 Clinical research unit in rheumatic diseases - Humoral factors in inflammation (human, mammals)
 RO1HD-05916-03 Biosynthesis of serum complement (human, guinea pig)
 ** RO1HL-15690-02 Hydrolytic enzymes of blood in health and disease (primates)
 ** MO1RR-00030-13 0111 General clinical research center - Hereditary angioneurotic edema (human)
 ** MO1RR-00128-10 0034 General clinical research center for children - Plasma vasopermeability factors

METABOLIC DISORDERS (INBORN), ANITRYPSIN DEFICIENCY

- RO1AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
 RO1ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-19098-03 Genetic factors affecting protein-protein recognition (bacteria, human)
 P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
 P01GM-19489-03 0018 Study of human genetics - Linkage study of beta hemoglobin locus
 ** P01GM-19489-03 0019 Study of human genetics - Genetic linkage of Pi system (alpha-1-antitrypsin)
 M01HB-42948-00 Isolation and evaluation of new products from plasma fractionation (human)
 ** P01HD-05894-04 0012 Genetic childhood diseases and aging - Hyaline membrane disease (human)
 ** P01HL-06285-14 0192 Cardiovascular-respiratory physiology and biochemistry - Biochemical defect in patients with emphysema and alpha-1-antitrypsin deficiency
 P01HL-08195-12 0008 Circulatory physiology - Genetic pulmonary emphysema (human)
 P01HL-09814-09 0037 Research program- Cardiovascular and related disease - New risk factors associated with chronic respiratory disease (human)
 R01HL-10009-09 Pulmonary blood flow distribution in man
 R01HL-12011-07 Regional lung expansion (human)
 R01HL-12530-06 Emphysema-Respiratory function in disease (human, dogs)
 ** R01HL-12833-05 Genetic and environmental influences on lung disease (human)
 ** R01HL-13398-05 Alpha-1 antitrypsin deficiency in pulmonary emphysema (human)
 R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
 R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)
 P17HL-14153-04 0001 Johns Hopkins Lung Center - Genetic and environmental factors in chronic pulmonary disease (human)
 ** P17HL-14153-04 0002 Johns Hopkins Lung Center - Alpha-1-antitrypsin and its electrophoretic variant in COPD (human)
 ** P17HL-14169-04 0001 Pulmonary disease center - Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human)
 ** P17HL-14201-04 0008 Pulmonary disease research center - Alpha-1-antitrypsin enzyme inhibitors in emphysema (human)
 P17HL-14201-04 0014 Pulmonary disease research center - Early detection of emphysema (human, dogs)
 P17HL-14218-04 0006 Newborn lung center - Pulmonary biochemical characteristics in RDS (human, sheep, dogs)
 R01HL-14479-06 Immunochemical aspects of normal and diseased lung (human, dogs, swine)
 ** R01HL-14692-03 Alpha 1 antitrypsin deficiency and pulmonary disease (human)
 R01HL-14778-06 Protoxytic enzymes of the blood and pancreas (human, cattle)
 ** R01HL-15309-02 Normal and variant human alpha 1-antitrypsin
 P01HL-15832-02 0001 Chemical predispositions to lung injury - Chemical composition of lung connective tissue proteins (human)
 P01HL-15832-02 0004 Chemical predispositions to lung injury - Protoxytic activity leucocytes in patients with obstructive lung disease
 R01HL-15979-02 Elastase, serum inhibitors and the vasculature (human, swine)
 M P01HL-16118-01 Mechanisms in the remodelling of lung structure
 P01HL-16118-01 0004 Mechanisms in the remodelling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)
 ** R01HL-16787-01 Inborn alpha 1-antitrypsin levels and pulmonary disease resistance (mice)
 R01HL-16880-01 Alpha 1 antitrypsin pulmonary function and chemical structure (human)
 ** N01HR-12216-04 Family study of alpha 1 antitrypsin
 N01HR-12218-04 Study proteinase inhibitor phenotypes (human)
 ** N01HR-12220-04 Study on alpha 1 antitrypsin
 ** N01HR-12221-04 Alpha 1 antitrypsin deficiency and chronic respiratory disease (human)
 N01HR-22944-02 Host factors as determinants of chronic obstructive pulmonary disease (human)
 N01HR-32901-02 Smoking and other pollutants in chronic airways obstructions (human)
 ** N01HR-42967-00 Alpha-1-antitrypsin reference laboratory (human)
 ** M01RR-00036-14 0066 General clinical research center - Pulmonary emphysema with alpha-antitrypsin deficiency (human)
 M01RR-00044-14 0084 General clinical research center - Antitrypsin deficiency in nonfamilial emphysema (human)
 ** M01RR-00058-13 0052 General clinical research center - Alpha-1-antitrypsin deficiency-juvenile cirrhosis (human)
 M01RR-00128-10 0050 General clinical research center for children - Metabolic studies of liver disease
 ** M01RR-00400-06 0033 General clinical research center - adult - Liver in alpha-1-antitrypsin deficiency (human)
 ** M01RR-00645-03 0022 Clinical research center - Obstructive lung disease associated with alpha anti-trypsin deficiency (human)
 M01RR-00722-02 0023 General Clinical Research Center - Genetic and other factors in chronic obstructive pulmonary disease (human)
 ** M01RR-00833-01 0005 General clinical research center - Obstructive lung disease with depressed antitrypsin levels (human)
METABOLIC DISORDERS INBORN, BARTTER'S SYNDROME
 R01HL-13476-04 Plasma aldosterone in normal and hypertensive man
 R01HL-13595-04 Resin and vascular hyper-reactivity in hypertension (human)
 M01RR-00040-14 0006 General clinical research center - Mechanism of impaired water excretion in various disease states (human)
 ** M01RR-00069-12 0046 General clinical research center, children - Therapeutic effect of magnesium in Bartter's syndrome
 M01RR-00071-11 0001 General clinical research center - Studies on testicular function (human)
 ** M01RR-00084-12 0037 General clinical research center - children - Pathophysiology of Bartter's syndrome
 ** M01RR-00123-11 0020 General clinical research center - Children - Evaluation of Bartter's syndrome (children)
 ** M01RR-00240-10 0119 General clinical research center - Children - Effect of propranolol on Bartter's syndrome
 M01RR-00287-08 0031 General clinical research center - Magnesium-parathyroid relationships (human)
 ** M01RR-00749-02 0047 General clinical research center - Bartter's syndrome (human)
METABOLIC DISORDERS INBORN, CEREBRO-HEPATO-RENAL SYNDROME
 P01GM-20130-01 0003 Clinical genetics research center - Mental retardation
 R01NS-06856-08 Storage disease-intracellular transport and digestion (human, animals, plants)
METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
 ** R01AI-06591-10 Chediak-Higashi syndrome and disease susceptibility (human, mink, mice)
 R01AI-07763-08 Antimicrobial effect of peroxidase in leucocytes (human)
 R01AI-10600-03 Human phagocyte function in health and disease (also animal)
 P01AI-12225-01 0004 Immunopathology and clinical immunology - Regulation of enzyme release from human leucocytes
 ** R01AM-17210-01 Role of lysosomes in Chediak-Higashi syndrome (beige mice)
 R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
 ** P01CA-08748-09 6525 Research program of Sloan-Kettering Institute - Lysosomes in mice with Chediak-Higashi syndrome
 P01HD-05523-04 0005 Analysis of genetic effects on aging - Life span shortening effects of mutant alleles at the W locus (mice)
 P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
METABOLIC DISORDERS INBORN, CHONDRODYSPLASIA
 SEE ALSO METABOLIC DISORDERS INBORN, ACHONDROPLASIA
 SEE ALSO METABOLIC DISORDERS INBORN, LIPOCHONDRODYSPLASIA
 R01AM-14918-04 Connective tissue response to immobility (human, rabbits, dogs)
 R01AM-17128-01 Collagen and elastin of connective tissue disease
 ** R01AM-17258-01 In vitro culture of articular chondrocytes (human, rabbits)
 ** P01GM-19489-03 0001 Study of human genetics - Registry of bone dysplasias
 ** P01GM-19489-03 0008 Study of human genetics - Cartilage and chondrocytes from chondrodysplasias
 P01HD-02274-08 0005 Mental retardation and child development - Developmental biochemistry (human, animals, yeasts)
 ** R01HD-05624-04 Genetics and pathogenesis of the chondrodysplasias (human, mice, rabbits, dogs)
 R01HD-06546-03 Etiology of achondroplasia in man and mammals (rabbits)
 R01HL-05457-14 Biological oxidations (human, mammals, microorganisms)
 ** M01RR-00036-14 0191 General clinical research center - Genetics and pathogenesis of chondrodysplasias (human)
 ** M01RR-00037-14 0102 General clinical research center - Etiology of chondrodysplasias and other congenital growth deficiency in man
 ** M01RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
 ** M01RR-00075-11 0015 General clinical research center for children - Delineation of the chondrodysplasias
 M01RR-00400-06 0003 General clinical research center - adult - Effects of growth hormones in growth retarded children
 ** M01RR-00425-06 0024 General clinical research center - Genetics and the pathogenesis of the chondrodysplasias (human)
 P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
 ** M01RR-00722-02 0018 General Clinical Research Center - Skeletal dysplasia (human)
METABOLIC DISORDERS (INBORN), CHRONIC GRANULOMATOUS DISEASE (OF CHILDREN)
 R01AI-03260-15 Biochemical basis of phagocytosis (children, fungi, rodents)
 R01AI-07763-08 Antimicrobial effect of peroxidase in leucocytes (human)
 R01AI-08173-07 Leukocyte oxidase activity and susceptibility to infection (human)
 R01AI-09504-05 Mechanisms of leukocyte bactericidal activity (human)
 R01AI-10600-03 Human phagocyte function in health and disease (also animal)
 R01AI-10732-03 Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
 ** R01AI-10892-02 Leukocyte metabolism related to recurrent infection (human, animals)
 R01AM-10493-09 Biophysical mechanisms in leukocytes and melanocytes (human, frogs, bacteria)
 P01AM-13173-10 0001 Malignant and genetic alterations in human cells - Genetics (human, dogs)
 R01AM-16059-16 Pathogenesis of human alimentary mucosal disease (human, rats)
 P02CA-12247-03 0036 Pediatric oncology center - Neutrophil function studies (human)
 R01CA-15564-01 Leukocyte bactericidal power in leukemia (human)
 P01HD-02274-08 0144 Mental retardation and child development - Developmental immunology (human, rats)
 P01HD-05894-04 0008 Genetic childhood diseases and aging - Enzyme mutants in neutrophil dysfunction syndrome (human)
 M01RR-00030-13 0022 General clinical research center - Dysgammaglobulinemias (human)
 M01RR-00037-14 0003 General clinical research center - Naturally occurring defects in resistance to infection (human)
 ** M01RR-00069-12 0106 General clinical research center, children - Relationship between SLE and carrier state for chronic granulomatous disease
 ** M01RR-00075-11 0018 General clinical research center for children - Pathogenic mechanisms and therapy of chronic granulomatous disease
 ** M01RR-00079-12 0130 General clinical research center - Reticular tubular structures in chronic granulomatous disease (human)
 ** M01RR-00128-10 0057 General clinical research center for children - Phagocyte function in humans
 M01RR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man
 ** M01RR-00305-08 0019 Clinical research center for children - Phagocyte function in health and disease
 P06RR-00463-06 Laboratory animal resource for biomedical research (mice, guinea pigs)
METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
 P01AI-11576-02 0006 Lymphocyte biology - Lymphoblastoid cell lines (human, mice)
 ** R01AM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)
 ** P01AM-03564-15 0024 Mesenchymal tissues and their diseases - Chemical structure of cystic fibrosis mucin (human)
 R01AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
 ** R01AM-04683-14 Protoxytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)
 P02AM-05630-12 0007 Metabolic unit for the Department of Medicine - Pancreatic function in pernicious anemia
 R01AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 P01AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidases and glycosphingolipidoses (human)
 ** R01AM-06365-12 Exocrine gland function in cystic fibrosis (human, rats)
 R01AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
 M P01AM-08305-11 Cystic fibrosis and pulmonary disease
 ** P01AM-08305-11 0001 Cystic fibrosis and pulmonary disease - Biochemistry of exocrine secretions (human, rats)
 ** P01AM-08305-11 0002 Cystic fibrosis and pulmonary disease - Tissue and organ culture studies (human, rats)
 ** P01AM-08305-11 0003 Cystic fibrosis and pulmonary disease - Immunological investigations in cystic fibrosis (human)
 ** P01AM-08305-11 0004 Cystic fibrosis and pulmonary disease - Bacteriology and antibacterial defense mechanisms in CF (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- RO1AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
- RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- M PO1AM-13385-06 Cystic fibrosis
- ** PO1AM-13385-06 0002 Cystic fibrosis - Sodium transport and intestinal membrane permeability (human)
- ** PO1AM-13385-06 0003 Cystic fibrosis - Female conception control (human)
- ** PO1AM-13385-06 0004 Cystic fibrosis - Lysosomal enzymes in cultured lymphoid cells (human)
- ** PO1AM-13385-06 0005 Cystic fibrosis - intestinal enzyme activities (human)
- ** RO1AM-13428-06 Carrier detection and selection in cystic fibrosis (human, shrimp)
- ** RO1AM-13455-05 Sweat gland defect in pancreatic fibrosis (human, reptiles, birds)
- ** RO1AM-13490-04 Chemistry of submaxillary mucin in cystic fibrosis (human)
- ** RO1AM-13660-04 Pathology of biomedical disorders in vitro
- ** RO1AM-14388-05 Ciliary action related to cystic fibrosis (human)
- ** RO1AM-15049-03 Cystic fibrosis-identity of the plasma factor (human, rabbits, mollusks)
- ** RO1AM-15144-03 Anemia, pancreatic atrophy, defined diets (rats, mice)
- ** RO1AM-15623-03 Polysaccharide metabolism in cystic fibrosis (human)
- RO1AM-15684-03 Chemistry and metabolism of polysaccharides (human, mice, bacteria)
- RO1AM-16436-01 Red blood cell calcium in health and disease (human)
- ** RO1AM-16497-02 0028 Normal and disordered thyroid hormone economy - Chronic iodide administration in patients with cystic fibrosis
- ** RO1AM-16698-01 Cystic fibrosis (human, rabbits)
- ** RO1AM-16859-01 Glycoprotein metabolism in cystic fibrosis
- M PO1AM-17040-01 The basic defect in cystic fibrosis
- ** PO1AM-17040-01 0001 The basic defect in cystic fibrosis - Ciliary inhibitor isolation and characterization (human, oysters, dogs)
- ** PO1AM-17040-01 0002 The basic defect in cystic fibrosis - Growth and cytochemistry of CF cells in vitro (human, Chinese hamster ovary cells)
- ** PO1AM-17040-01 0003 The basic defect in cystic fibrosis - Ultrastructure and histochemistry of CF cells (human, oysters)
- ** PO1AM-17040-01 0004 The basic defect in cystic fibrosis - Immunossay of CF factor in patients and carriers (human, monkeys)
- ** PO1AM-17040-01 0005 The basic defect in cystic fibrosis - Cytogenetics and cell hybridization (human, mice)
- ** PO1AM-17040-01 0006 The basic defect in cystic fibrosis - Surface membranes and enzymes (human)
- P17AM-17042-01 0011 Diabetes endocrinology research center - Three forms of childhood diabetes mellitus
- ** PO1AM-17433-01 0015 Cardiovascular, metabolic aspects of membrano transport - Cation transport and metabolism in abnormal red cells (human)
- PO1AM-17433-01 0017 Cardiovascular, metabolic aspects of membrano transport - Anion transport defects in red cells (human)
- M RO1AM-17524-01 Role of ciliostatic factor in cystic fibrosis
- ** RO1AM-17524-01 0001 Role of ciliostatic factor in cystic fibrosis - Isolation of the ciliostatic factor (human)
- ** RO1AM-17524-01 0002 Role of ciliostatic factor in cystic fibrosis - Ciliostatic reversal by heparin therapy (human, oysters)
- ** RO1AM-17524-01 0003 Role of ciliostatic factor in cystic fibrosis - Effects of ciliary inhibitor on cultured skin fibroblast (human, oysters)
- ** RO1AM-17524-01 0004 Role of ciliostatic factor in cystic fibrosis - Regulatory control of membrane phospholipids in CF (human)
- ** RO1AM-17524-01 0005 Role of ciliostatic factor in cystic fibrosis - Biogenic amine binding to carbohydrases and ciliostasis (human)
- ** RO1AM-17773-01 Polyamine metabolism and function in cystic fibrosis (human)
- ** RO1DE-01554-13 Dental calculus-Composition and formation (human, rats)
- ** PO1GM-17702-05 0002 Human biochemical genetics - Biochemical basis of genetic diseases
- PO1GM-18252-04 0001 Automation of ultramicroanalyses of macromolecules - Biophysical cytochemistry (human, mice)
- PO1GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
- ** PO1GM-18252-04 0003 Automation of ultramicroanalyses of macromolecules - Medical-clinical (human, mice)
- PO1GM-18252-04 0006 Automation of ultramicroanalyses of macromolecules - Microspectrofractometry
- PO1GM-18252-04 0007 Automation of ultramicroanalyses of macromolecules - Biochemistry (human)
- PO1GM-19443-03 0038 Problems in clinical genetics - Radioimmunoassay
- PO1GM-19513-03 0010 Human genetics - Incidence and prevalence of inherited disease
- PO1GM-21054-01 0001 Human genetics center - Computer core laboratory
- PO1GM-21054-01 0006 Human genetics center - Salivary proteins
- ** PO1HD-03298-13 0001 Developmental pathology - Cytogenetics (human)
- RO1HD-04252-06 Tissue culture in hereditary disorders (human)
- ** PO1HD-05894-04 0010 Genetic childhood diseases and aging - Immunologic studies of cystic fibrosis (children)
- RO1HD-06611-03 Therapeutic usage of drugs in infants and children
- PO1HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
- PO1HL-10436-09 0005 Congenital heart disease - Pulmonary physiology in pediatric chest disease
- M RO1HL-13885-04 Cystic fibrosis and pulmonary disease
- ** RO1HL-13885-04 0001 Cystic fibrosis and pulmonary disease - Cardiovascular and pulmonary function (infants, children)
- ** RO1HL-13885-04 0002 Cystic fibrosis and pulmonary disease - Evaluation of therapy (infants, children)
- ** P17HL-14179-04 0004 Center for the study of lung disease - Mucus abnormality in cystic fibrosis (human, rats)
- P17HL-14179-04 0009 Center for the study of lung disease - Evaluation of therapy in chronic pulmonary diseases in children
- RO1HL-14271-02 Physico-chemical properties of tracheal mucus (dogs, frogs)
- ** RO1HL-14479-06 Immunochemical aspects of normal and diseased lung (human, dogs, swine)
- RO1HL-14844-02 Mucin secretion by respiratory epithelial explants (human)
- RO1HL-15226-01 Respiratory mechanics in children
- PO1HL-16748-01 0001 Cellular and immunological bases of pulmonary diseases - Mechanisms of alveolar macrophage function and dysfunction (human, rabbits)
- PO1HL-16748-01 0003 Cellular and immunological bases of pulmonary diseases - Alveolar macrophages and opportunistic microorganisms (human, guinea pigs)
- ** R23HL-17130-01 Plasma membranes in cystic fibrosis (tissue culture)
- NO1HR-42967-00 Alpha-1-antitrypsin reference laboratory (human)
- MO1RR-00030-13 0028 General clinical research center - Ventilation of human lungs with liquid
- MO1RR-00040-14 0005 General clinical research center - Role of pancreas in vitamin b12 absorption (human)
- MO1RR-00040-14 0019 General clinical research center - Bronchopulmonary lavage (human)
- MO1RR-00042-14 0002 General clinical research center - Intestinal malabsorption (human)
- MO1RR-00047-14 0069 General clinical research center - Genetic mucopolysaccharidoses (human)
- ** MO1RR-00069-12 0021 General clinical research center, children - Use of L-arginine in cystic fibrosis
- MO1RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child
- ** MO1RR-00073-12 0063 General clinical research center - Genetic disorders-Cystic fibrosis, ring chromosomes (human)
- ** MO1RR-00075-11 0031 General clinical research center for children - Pulmonary involvement and therapy in newborn infants with cystic fibrosis
- ** MO1RR-00075-11 0052 General clinical research center for children - Attempts of respiratory tract sterilization in cystic fibrosis
- ** MO1RR-00075-11 0062 General clinical research center for children - Evaluation of bronchial lavage via ventilating bronchoscope in cystic fibrosis
- ** MO1RR-00075-11 0063 General clinical research center for children - Pulmonary function in cystic fibrosis
- MO1RR-00080-12 0086 General clinical research center - Metabolism of carbohydrate containing macromolecules in human white blood cult
- MO1RR-00080-12 0091 General clinical research center - Immunochemical test for immediate allergen hypersensitivity (human)
- ** MO1RR-00086-12 0026 General clinical research center-children - Endocrine pancreatic function in cystic fibrosis
- ** MO1RR-00125-11 0210 General clinical research center-adult-child - Efficacy of postural drainage in cystic fibrosis
- MO1RR-00128-10 0050 General clinical research center for children - Metabolic studies of liver disease
- ** MO1RR-00199-10 0034 General clinical research center for children - Adrenergic drugs on cystic fibrosis
- ** MO1RR-00261-09 0073 General clinical research center - Gastrointestinal allergy
- ** MO1RR-00400-06 0042 General clinical research center-adult - Insulin release and reserve in cystic fibrosis (human)
- ** MO1RR-00645-03 0039 Clinical research center - Aspects of malabsorption in cystic fibrosis (human)
- ** MO1RR-00847-01 0021 Clinical research centers - Urinary excretion of cyclic nucleotides in cystic fibrosis (human)
- MO1RR-00865-01 0028 General clinical research center - Immunoglobulin metabolism in immunodeficiency states (human)
- METABOLIC DISORDERS INBORN, CYSTINURIA**
- RO1AM-01392-18 0003 Structure and function of intestinal cell membranes - Transport studies in experimental and clinical disorders
- ** RO1AM-05736-13 Intestinal absorption-Transport mechanisms (dogs, bacteria)
- ** RO1AM-10894-08 0007 Genetic metabolic diseases of infancy and childhood - Mechanism of cystinuria (dogs)
- RO1AM-10894-08 0011 Genetic metabolic diseases of infancy and childhood - Amino acid pools and protein synthesis (human)
- RO1AM-12579-05 Tissue culture study of inborn metabolic errors (human)
- RO1HD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
- RO1HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
- RO1NS-05096-11 0007 New emine acid disorders in cerebral disease - Amino acid transport disorders in infancy and childhood
- MO1RR-00030-13 0015 General clinical research center - Aminoacidurias (human)
- ** MO1RR-00044-14 0098 General clinical research center - Penicillamine in treatment of cystinuria (human)
- ** MO1RR-00125-11 0188 General clinical research center-adult-child - Neurologic-psychologic evaluation in cystinuria
- ** MO1RR-00261-09 0089 General clinical research center - Cystinuria (human)
- METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME**
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHES, CYSTINOSIS
- ** RO1AM-10894-08 0017 Genetic metabolic diseases of infancy and childhood - Mosaic acid induced Fanconi syndrome (rats)
- PO1AM-16764-02 0001 Disorders of renal acidification - Hereditary fructose intolerance (human, dogs, rats)
- RO1AM-17196-02 Clinicopathologic and other studies on renal disease (human, rats)
- RO1AM-17330-02 Transport of albumin and its fragments by kidney (human, rats, rabbits, cattle)
- PO1CA-08748-09 6917 Research program of Sloan-Kettering Institute - Chromosomal changes in amnion and chorion cells (human)
- ** RO1CA-15207-01 Neoplasia-predisposing genes in cell culture (human)
- ** RO1CA-16946-01 Defective DNA in Fanconi's anemia (human)
- NO1CP-33237-02 Cell culture laboratory and associated research in viral oncology
- ** PO1GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
- ** MO1RR-00305-08 0089 Clinical research center for children - The Fanconi syndrome, including cystinosis
- ** MO1RR-00827-01 0013 General clinical research center - Cystinosis and the Fanconi syndrome (human)
- MO1RR-00865-01 0029 General clinical research center - Osteodystrophy secondary to renal tubular states (human)
- METABOLIC DISORDERS (INBORN), DIABETES**
- SEE ALSO CARBOHYDRATE BALANCE, BREATH ANALYSIS FOR DIABETES
- SEE ALSO CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
- SEE ALSO CARBOHYDRATE BALANCE, GLYCOSURIA
- SEE ALSO CARBOHYDRATE BALANCE, HYPOGLYCEMIC AGENTS
- SEE ALSO METABOLIC DISORDERS (INBORN), DIABETIC ANGIOPATHES
- SEE ALSO METABOLIC DISORDERS INBORN, OBESITY
- SEE ALSO METABOLIC DISORDERS INBORN, PRADER-WILLI SYNDROME
- SEE ALSO PANCREATIC ISLETS DISORDERS
- RO1AI-06931-09 Host reactions to microorganisms in chronic disease (human)
- RO1AI-09118-06 Pathogenicity of EMC virus (mice, monkey, swine)
- RO1AI-10704-14 Childhood renal disease (human, swine, rodents)
- PO1AM-00002-28 0014 Metabolic and hereditary disorders - Steroid studies
- RO1AM-00889-19 Prediction and long-term study of future diabetes (human)
- RO1AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- RO1AM-01392-18 0003 Structure and function of intestinal cell membranes - Transport studies in experimental and clinical disorders
- RO1AM-02244-16 Carbohydrate metabolism (human, dogs)
- ** PO1AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- RO1AM-02534-16 Small intestinal absorption in malabsorption syndromes (rats)
- RO1AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
- RO1AM-03556-14 Insulin, glucagon, proinsulin (rats, human, pigs)
- RO1AM-03854-14 Regulation of insulin degradation (human, cattle, rats)

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(contd)

- ** RO1AM-04401-14 Relation of treatment to diabetic complications (human)
 ** RO1AM-04403-14 Relation of treatment to diabetic complications (human)
 ** RO1AM-04412-14 Relation of treatment to diabetic complications (human)
 ** RO1AM-04495-14 Relation of treatment to diabetic complications (human)
 P02AM-04501-13 0007 Metabolic disease research center - Collagen metabolism (human, rats)
 RO1AM-04732-13 Influence of nutrition on enzyme systems (rats)
 RO1AM-04842-13 Endocrine regulation of protein synthesis (rats, viruses)
 ** RO1AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
 ** RO1AM-05422-13 Relation of treatment to diabetic complications (human)
 P02AM-05630-12 0012 Metabolic unit for the Department of Medicine - Physiology of renin, angiotensin and vasopressin in obesity (human)
 ** RO1AM-05648-14 Relation of treatment to diabetic complications (human)
 ** RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
 RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
 RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
 RO1AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
 ** RO1AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
 ** RO1AM-06737-12 Relation of treatment to diabetic complications (human)
 ** RO1AM-05739-12 Relation of treatment to diabetic complications (human)
 ** RO1AM-06744-12 Relation of treatment to diabetic complications (human)
 RO1AM-06872-12 Lipolytic activity in adipose tissue (human, rabbits, rats, mice)
 ** RO1AM-06876-12 Relation of treatment to diabetic complications (human)
 RO1AM-07141-11 Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human)
 P01AM-07462-11 0047 Hormonal regulation of metabolism - Hepatic metabolism of genetically diabetic mice
 P01AM-07462-11 0048 Hormonal regulation of metabolism - Carbohydrate and cyclic AMP metabolism in diabetic rats
 ** RO1AM-07601-11 Relation of treatment to diabetic complications (human)
 ** RO1AM-07854-11 Relation of treatment to diabetic complications
 RO1AM-08076-11 Action of insulin on enzymes of adipose tissue (rats, cattle)
 ** RO1AM-08127-10 Biochemistry of altered dermal connective tissue (birds, human)
 RO1AM-08546-10 Ketogenesis in the ruminant (cattle, goats)
 ** RO1AM-08949-10 Diabetes mellitus in *Psammomys obesus* (rats, guinea pigs, rabbits, hamsters)
 ** RO1AM-09113-11 Relation of treatment to diabetic complications (human)
 RO1AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
 RO1AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
 ** RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
 ** RO1AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
 RO1AM-09758-09 Polyunsaturated fatty acid interconversions (rats)
 ** RO1AM-10151-09 Pathogenesis of diabetes mellitus (human, monkeys, rats)
 ** RO1AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
 ** RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
 RO1AM-10334-09 Control processes in mammalian cells (rats, cattle, human)
 RO1AM-10591-09 Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs)
 RO1AM-10844-08 Micropuncture study of renal tubular function (human, dogs, baboons)
 ** RO1AM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
 ** RO1AM-11407-08 Histophysiology of secretion (birds, guinea pigs)
 RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
 RO1AM-12432-06 Human chromium nutrition and deficiency
 ** RO1AM-12479-07 Hypothalamic regulation of food intake (mice)
 RO1AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
 RO1AM-12763-05 Insulin release in diabetes (human, cattle)
 ** RO1AM-12829-06 Regulation of insulin secretion (human, dogs)
 RO1AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
 P02AM-13083-06 0001 Organ transplantation - Clinical studies of renal transplantation
 P02AM-13083-06 0080 Organ transplantation - Immunopathology (human, rats)
 P02AM-13083-06 0103 Organ transplantation - Clinical studies of complications in renal transplantation
 P01AM-13084-10 0006 Clinical homotransplantation of tissues and organs - Study of nephropathy (human)
 RO1AM-13441-06 Immunology conformation and activity of insulin (mice, guinea pigs)
 RO1AM-13499-06 Regulation of liver growth and function (rats)
 ** RO1AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
 ** RO1AM-13527-04 Metabolic substrate utilization in man
 RO1AM-13914-05 Proinsulin studies (human, animals)
 ** RO1AM-13927-05 Intestinal mucosal function in diabetes (human, rats)
 RO1AM-13941-05 Proinsulin secretion and biological activity (human)
 RO1AM-13988-05 Control of fatty acid metabolism in the intact animals (rats)
 RO1AM-14038-05 Intestinal protein metabolism and function (human, rats)
 ** RO1AM-14106-04 Growth hormone secretion rates (human, monkeys)
 ** RO1AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)
 ** RO1AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
 RO1AM-14334-06 Chemical mechanism of action of insulin (human, rats, rabbits)
 ** RO1AM-14340-05 Experimental diabetes (rats)
 ** RO1AM-14461-05 Hereditary diabetes in the mouse
 RO1AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
 ** RO1AM-14600-02 Total body potassium in diabetes mellitus (human)
 ** RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
 RO1AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
 ** RO1AM-14676-10 Oral hypoglycemic agents in asymptomatic diabetes (human)
 RO1AM-14977-05 Drugs in carbohydrate-lipid interrelationship (rats, mice, human)
 ** RO1AM-14990-03 Sugar and electrolyte absorption in intestine (rabbits)
 ** RO1AM-15100-04 Importance of chromium in human nutrition (also mice)
 ** RO1AM-15191-04 Physiology, pathology and biochemistry of diabetes (human, rats)
 ** RO1AM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
 RO1AM-15235-04 Mechanism of action of insulin (rats)
 RO1AM-15263-03 Effector systems for insulin action on fat cells (rats, human)
 RO1AM-15272-03 Metabolism of perfused hind limb (rats)
 RO1AM-15287-03 Cartilage production in cell culture (chick embryo, human)
 RO1AM-15297-03 Pathways of carbon and hydrogen in gluconeogenesis (rats)
 RO1AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)
 ** RO1AM-15398-04 Pancreatic islets and beta cell studies (human, mice, rats, rabbits)
 RO1AM-15468-02 Pyruvate carboxylase in metabolic regulation invertebrates, (vertebrates)
 RO1AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
 RO1AM-15658-03 Regulation of skeletal metabolism (rats)
 ** RO1AM-15806-03 Hepatic regulatory mechanisms in diabetes (rats)
 RO1AM-15834-03 Autonomic effects on glucagon and insulin secretion (ducks, dogs)
 RO1AM-15853-03 Receptor assay for insulin (human, swine, cattle)
 RO1AM-15893-01 Regulation of lipid metabolism in human adipose tissue (human)
 RO1AM-15919-02 Starvation and regulation of protein degradation (rats)
 RO1AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons (dogs))
 RO1AM-16102-01 0001 Regulation of ketoacid metabolism - Free fatty acids, acetoacetate and beta-hydroxybutyrate of muscle (rats, human)
 ** RO1AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
 ** RO1AM-16138-03 Basement membranes (dogs)
 RO1AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
 RO1AM-16348-01 Influence of endogenous secretion on insulin regulation
 ** RO1AM-16529-01 New diabetogenic peptide from human pituitary glands (human, rabbits and rats)
 RO1AM-16534-02 Insulin metabolism in immune and non-immune subjects (human, animals)
 RO1AM-16551-03 Drug and hormone effects on carbohydrate metabolism (rats)
 RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
 RO1AM-16648-01 Hormonal control of muscle protein degradation (rats)
 RO1AM-16654-02 0002 Nutrition and muscle protein turnover by new methods - Effect of various physiological and pathological conditions (rats, mice, dogs)
 ** RO1AM-16659-02 Mechanism of glucose disposition after gastric surgery (human, dogs)
 RO1AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
 RO1AM-16691-03 Heme and globin synthesis in infants and children (human)
 RO1AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
 RO1AM-16747-01 Blood brain barrier and carbohydrate metabolism (dogs, rabbits)
 RO1AM-16826-01 Mechanisms of polypeptide hormone action
 RO1AM-16841-01 Duodenal calcium binding protein-Actions and control (rats)
 M P17AM-17026-01 Vanderbilt University Diabetes-Endocrinology Center
 P17AM-17026-01 0001 Vanderbilt University Diabetes-Endocrinology Center - Autonomic control over metabolic homeostasis (rats)
 P17AM-17026-01 0002 Vanderbilt University Diabetes-Endocrinology Center - Epididymal growth factor (mice)
 P17AM-17026-01 0005 Vanderbilt University Diabetes-Endocrinology Center - Computer techniques in diabetics for diabetics
 P17AM-17026-01 0008 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of liver metabolism
 ** P17AM-17026-01 0012 Vanderbilt University Diabetes-Endocrinology Center - Effect of a regional diabetes education program
 P17AM-17026-01 0013 Vanderbilt University Diabetes-Endocrinology Center - Effectiveness of oral hypoglycemic drugs (human)
 P17AM-17026-01 0015 Vanderbilt University Diabetes-Endocrinology Center - Regulatory mechanisms in lipid metabolism (rats)
 P17AM-17026-01 0018 Vanderbilt University Diabetes-Endocrinology Center - Membrane transport of ascorbic acid
 P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
 P17AM-17026-01 0024 Vanderbilt University Diabetes-Endocrinology Center - Control by insulin of cyclic AMP metabolism in rat liver (rats)
 P17AM-17026-01 0031 Vanderbilt University Diabetes-Endocrinology Center - Polyol pathway and the glucuronate-xylose cycle in diabetes
 ** P17AM-17026-01 0042 Vanderbilt University Diabetes-Endocrinology Center - Diabetes and biosynthesis of collagen
 P17AM-17026-01 0043 Vanderbilt University Diabetes-Endocrinology Center - Autonomic modification of substrate and hormonal responses to glucose in man
 ** P17AM-17026-01 0045 Vanderbilt University Diabetes-Endocrinology Center - Prostaglandin synthesis in diabetes (human)
 M P17AM-17042-01 Diabetes endocrinology research center
 ** P17AM-17042-01 0003 Diabetes endocrinology research center - Sulfonurea hypoglycemic agents action and tolerance
 ** P17AM-17042-01 0004 Diabetes endocrinology research center - Cyclic nucleotides and enzymes in cultured diabetic cells (human)
 P17AM-17042-01 0005 Diabetes endocrinology research center - Mediator of glucagon action on mitochondria and its effect on insulin (rats)
 ** P17AM-17042-01 0006 Diabetes endocrinology research center - Insulin action and glucose membrane transport mechanism (human)
 P17AM-17042-01 0008 Diabetes endocrinology research center - Protein kinase inhibitor formed in insulin presence (rats, rabbits)
 P17AM-17042-01 0009 Diabetes endocrinology research center - Insulin effects on the cyclic nucleotide inhibitor and cyclic GMP
 P17AM-17042-01 0010 Diabetes endocrinology research center - Isolation of insulinogenic materials from the gastrointestinal tract (rats)
 M P17AM-17046-01 Diabetes endocrinology center
 ** P17AM-17046-01 0001 Diabetes endocrinology center - Core facilities
 ** P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
 ** P17AM-17046-01 0006 Diabetes endocrinology center - CNS effects on insulin and glucagon secretion (human)
 M P17AM-17047-01 Diabetes-endocrinology research center
 ** P17AM-17047-01 0001 Diabetes-endocrinology research center - Core facilities

(contd)

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M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P17AM-17047-01 0004** Diabetes-endocrinology research center 2 Diabetes, obesity and other conditions altering fuel physiology (human)
- ** P17AM-17047-01 0005** Diabetes-endocrinology research center - Computerized study of feeding behavior (human)
- RO1AM-17076-01** Regulation of adipose lipid metabolism (rats, mice)
- ** RO1AM-17093-01** Heart and kidney capillary permeability in diabetes (rats, dogs)
- RO1AM-17157-01** Medial hypothalamic regulation of feeding behavior (rats)
- RO1AM-17188-01** Surgical transplantation of islets of Langerhans (rats, human)
- RO1AM-17200-01** Regulation of adipocyte insulin sensitivity (rats, human)
- ** RO1AM-17202-01** Diabetes mellitus; role of coxsackievirus B infection (mice, human)
- RO1AM-17259-01** Body nutrient reserves and feeding behavior (rats, mice)
- ** RO1AM-17268-01** Association of human diabetes with virus infection
- RO1AM-17325-02** The structure of glycoproteins (human, cattle, mollusks, annelids, rats, mice)
- RO1AM-17347-02** Insulin sensitive glucoregulator in the CNS (rats, dogs, mice)
- RO1AM-17348-01** Properties of hemoglobin (human, rats)
- RO1AM-17431-01** Role of cAMP in insulin and glucagon secretion (human, mice, rats)
- RO1AM-17581-01** Studies of pancreas transplantation (rats, hamsters)
- P17AM-17624-01 0001** Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
- P17AM-17624-01 0004** Obesity center - Control of lipolysis in obesity (human)
- P17AM-17624-01 0005** Obesity center - Adipose tissue fatty acid turnover in experimental obesity (rats)
- RO1AM-17631-01** Genetic control of hyperplasia in the endocrine pancreas (mice)
- RO1AM-17733-01** Mechanism of starch digestion in mammals (rats)
- RO1AM-18130-01** Insulin and human growth hormone - Secretion and metabolic actions
- NO1AM-32212-02** Hyperlipidemia and atherogenesis (rats)
- NO1AM-42221-00** Glucagon and amino acids in carbohydrate metabolism (human)
- ** NO1AM-70663-13** Preparation of a diabetes-related literature index
- RO1CA-02071-21** Estrogen metabolism and action in pregnancy and cancer (human, and rats)
- RO1CA-05873-13** Biochemistry of pigmentation and inherited disorders (mice)
- ** P02CA-07357-10 0015** Special children's cancer center program - Transient diabetes mellitus secondary to L-asparaginase in acute leukemia
- RO1CA-08269-13** Regulation of ketogenesis and lipogenesis (rats)
- PO1CA-08748-09 5936** Research program of Sloan-Kettering Institute - Techniques for separation and culture of islet cells in rats
- PO1CA-11489-05** Program of epidemiological research in cancer
- PO1CA-12227-04 0010** Core program in carcinogenesis - Turnover rates of beta-hydroxybutyrate and acetoacetate in man
- P02CA-12247-03 0036** Pediatric oncology center - Neutrophil function studies (human)
- RO1CA-12365-03** Inbred dwarf hamsters for biomedical research
- PO1CA-12376-03 0004** Environmental carcinogenesis - Cancer of the kidney (human)
- RO1CA-13285-03** Pancreatic effects of cancer chemotherapeutic agents (mice)
- RO1CA-14235-02** Neoplasia-predisposing genes in man
- PO1CA-14599-01 0015** University of Chicago Cancer Research Center - Role of insulin in biochemical regulation (rats)
- NO1CP-23284-03** Enhanced induction of guinea pig pancreatic adenocarcinoma
- NO1CP-33376-02** Enhanced delivery of chemical carcinogens
- RO1DE-03764-01** Atypical facial pain and disturbed oral sensation (human)
- P10ES-00210-07 0025** Center for environmental management - Steady state subacute and subchronic hydrazine intoxication (rats)
- ** P01ES-00734-03** Environmental quality - Effects on disease processes
- RO1EY-00225-13** Studies on lens metabolism (rats, rabbits)
- RO1EY-00260-11** Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- RO1EY-00330-08** Ocular pharmacology (human, animals)
- RO1EY-00484-07** Intraocular transport (rabbits, rats, sheep)
- RO1EY-00873-01** Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- RO1EY-00902-10** Experimental cataracts (rats)
- ** RO1EY-01300-01** Mechanism of development of diabetic cataracts (rats)
- RO1GM-13306-09** Phosphate activation mechanisms (Aspergillus oryzae)
- PO1GM-13543-09 0001** Cellular and molecular pathology - Replicative life-span of human fibroblasts (human, animals)
- ** RO1GM-14033-08** Control mechanisms in gluconeogenesis (tropical mynae, rats, ground squirrels)
- PO1GM-14231-09 0007** Natural history of heart, cancer, stroke in a population - Ischemic heart disease (human)
- ** PO1GM-14231-09 0022** Natural history of heart, cancer, stroke in a population - Diabetes mellitus
- PO1GM-14231-09 0023** Natural history of heart, cancer, stroke in a population - Cholelithiasis and cholecystitis
- PO1GM-14231-09 0027** Natural history of heart, cancer, stroke in a population - Pancreatic carcinoma
- PO1GM-14546-08 0047** Influence of acute illness and injury on energy - injury and sepsis-Hepatic vs forearm metabolism (human)
- PO1GM-15253-08 0019** Genetics in medicine-Gene action in man - Immunologic aberrations
- PO1GM-15253-08 0038** Genetics in medicine-Gene action in man - Immunoclinical studies in autoimmunity in chromosomal syndromes
- PI1GM-15559-07 0041** Clinical pharmacology - Pediatric clinical pharmacology
- RO1GM-19091-03** Metabolism and control of fatty acids (animals, bacteria)
- PO1GM-19100-03 0007** Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)
- PO1GM-19443-03 0038** Problems in clinical genetics - Radiomimicry
- PO1GM-19489-03 0002** Study of human genetics - Neurologic aspects of achondroplasia
- PO1GM-19489-03 0024** Study of human genetics - Linkage and gene assignment by cell hybridization
- RO1GM-20412-02** Biochemistry of inherited variations in drug response (mice)
- RO1GM-21361-01** Biologic role of cyclic nucleotide phosphodiesterase (rodents, chick embryo)
- NO1HB-22956-04** Studies in sickle cell disease (human)
- ** RO1HD-00412-18** Fetal endocrinology and study of diabetes and pregnancy (rats)
- PO1HD-01799-09 0034** Mental retardation research center - Human cytogenetics and biochemical genetics
- PO1HD-02147-08 0003** Extracrine growth and development - Pancreas (mice, rats)
- PO1HD-03015-08 0035** Program for developmental biology - Respiratory distress syndrome indicators in amniotic fluid (human)
- RO1HD-03959-06** Carbohydrate metabolism in the neonate (human, swine, rats)
- ** PO1HD-04024-06 0007** Mental retardation research center - Trace metal metabolism (human)
- RO1HD-04028-06** Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- RO1HD-04380-04** Biochemical development of surface activity of lung (human, mammals)
- PO1HD-04485-04 0002** Growth hormone structure-function relationships - Biological action derivatives (human, swine, rats)
- PO1HD-04872-04 0008** Metabolism and aging - Atherosclerosis and lipoprotein disorders in adults
- ** PO1HD-05615-04 0007** Developmental biology in mental retardation - Neonatal pancreatic responses to insulin secretagogues (human)
- PO1HD-06276-03 0021** Mental retardation research program - Psychophysiological and behavioral differences (adults, infants)
- PO1HD-06276-03 0039** Mental retardation research program - Somatosensory evoked potentials, sucking and swallowing in newborns (human)
- RO1HD-06284-03** Production rate of HGH and other hormones in growth (human)
- RO1HD-06355-03** Etiology of hypoglycemia in infants and children (human, rats)
- RO1HD-00458-02** Neonatal mineral metabolism
- RO1HD-06929-02** Fetal health and amniotic fluid HCS and prolactin (monkeys)
- RO1HD-07032-01** Malnutrition and behavioral development in monkeys
- RO1HD-07036-02** Biochemistry of placental development and function (continued)
- RO1HD-07087-02** Glucagon physiology in fetus, newborn and child (and mammals)
- RO1HD-07195-02** Nutrition and cell growth (rats)
- ** RO1HD-08966-01 0003** Early diagnostic studies of aberrant development - Prenatal identification of study patients
- RO1HD-08977-01** Carbohydrate metabolism in the newborn (human, dogs)
- RO1HL-02063-19** Biochemistry and function of lipids and cell membranes (human, rats)
- PO1HL-03174-19 0007** Mechanisms of acute vascular reaction to injury - Basement lamina-function in vascular tissue maintenance and repair (rabbits)
- RO1HL-04372-14** Lipolytic enzymes in plasma and tissues (rats, sheep)
- RO1HL-06221-13 0001** Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
- M PO1HL-06285-14** Cardiovascular-respiratory physiology and biochemistry
- ** PO1HL-06285-14 0149** Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in prediabetic and diabetic subjects
- ** PO1HL-06285-14 0150** Cardiovascular-respiratory physiology and biochemistry - Basement membrane width in non-diabetic hyperglycemia
- ** PO1HL-06285-14 0151** Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in diabetic children and glucose tolerance
- ** PO1HL-06285-14 0206** Cardiovascular-respiratory physiology and biochemistry - Carbohydrate and lipid metabolism in diabetes (rabbits)
- PO1HL-06374-14 0010** Exposure of research in a hematologic center - Hemoglobin in blood disorders (human)
- M PO1HL-08195-12** Circulatory physiology
- ** PO1HL-08195-12 0017** Circulatory physiology - Concentration of acetone in alveolar gas (human)
- PO1HL-08195-12 0027** Circulatory physiology - Glucagon and insulin in amino acid metabolism (human, dogs)
- RO1HL-08506-11** Lipemia-carbohydrate and glyceride metabolism (human, rats)
- RO1HL-09744-10** Experimental vascular sclerosis (monkeys)
- M PO1HL-09814-09** Research program - Cardiovascular and related disease
- PO1HL-09814-09 0001** Research program - Cardiovascular and related disease - Fasting serum lipid levels, glucose tolerance and insulin curves (human)
- PO1HL-09814-09 0011** Research program - Cardiovascular and related disease - Habitual physical activity, work capacity and exercise physiology (human)
- PO1HL-09814-09 0024** Research program - Cardiovascular and related disease - Changes in physiological variables and development of chronic disease (human)
- PO1HL-09814-09 0043** Research program - Cardiovascular and related disease - Relation of serum glucagon to insulin levels in inappropriate insulin responses
- ** PO1HL-09814-09 0044** Research program - Cardiovascular and related disease - Studies of abnormal glucose tolerance in apparently normal men
- ** RO1HL-09914-09** Myocardial function and metabolism (dogs)
- RO1HL-10406-09** Synthesis, metabolism and function of lipids (rats, bacteria)
- ** RO1HL-10950-08** Estimation of individual phospholipids in human serum
- RO1HL-12381-06** Membrane lipids-Biosynthesis and function (rat liver)
- ** RO1HL-12869-05** Arterial metabolism, diabetes and atherogenesis (hamsters, mice, rats, human)
- PO1HL-13108-05 0004** Clinical heart transplantation - Immunosuppression (human, dogs)
- RO1HL-13222-05** Connective tissue in myocardial infarction (rats)
- RO1HL-13222-05** Microscopy of living nephron (hamsters)
- ** RO1HL-13368-05** Angiotensin and hypertension (human, rats)
- RO1HL-13612-04 0011** Human arteriosclerosis - Atherosclerosis-Role of aortic acid mucopolysaccharide (rabbits)
- P17HL-14138-04 0011** Center for research on atherosclerosis - Application of angiography for assessing atherosclerosis (human)
- P17HL-14141-04 0002** SCOR for atherosclerosis in childhood - Intrauterine environment of preborn group (human)
- P17HL-14164-04 0022** Arteriosclerosis research center - Comparative medicine core laboratories (monkeys, pigeons)
- P17HL-14196-04 0002** Lipids, thrombosis and genetics in atherosclerosis - Drug effect on cholesterol degradation to bile acids (human)
- P17HL-14196-04 0011** Lipids, thrombosis and genetics in atherosclerosis - Genetics as a risk factor in ischemic heart disease (human)
- P17HL-14230-04 0015** Lipids, atherosclerosis and thrombosis - Body weight on serum lipids and glucose tolerance (human)
- P17HL-14236-04 0006** Prevention of premature arteriosclerosis - Carbohydrate metabolism and hypertriglyceridemia (human)
- RO1HL-14297-03** The arteriolar basis for microcirculatory disorders (human)
- PO1HL-14780-02 0029** Mechanisms and treatment of cardiovascular diseases - Coronary collateral circulation (human)
- ** P17HL-15062-03 0009** Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)
- ** P17HL-15062-03 0010** Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein biosynthesis, secretion and degradation (human, monkeys)
- P17HL-15062-03 0012** Study of lipoproteins, artery wall, and atherosclerosis - The pathology of atherosclerosis (monkeys, rabbits)
- P17HL-15103-03 0010** Specialized center of research-arteriosclerosis - Experimental models-induction of lesions (monkeys)

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1HL-15308-02 Assays for peptides of lipoproteins (human)
- RO1HL-15622-01 Computer simulation in cardiology
- ** RO1HL-15811-02 Small vessel pathophysiology in diabetes mellitus (dogs)
- PO1HL-16251-01 0013 Membrane-bound enzymes in heart and other tissues - Functional capacity of membrane-bound enzymes (rats, squirrels)
- RO1HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)
- RO1HL-16364-01 0002 Regulation of lipid biosynthesis and transport - Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis
- ** RO1HL-16661-01 Risk factors and atherosclerosis in diabetic monkeys
- RO1HL-16662-01 Quarter century follow-up of the Oxford study
- RO1HS-00408-05 Improvement of methodology for clinical evaluations
- MO1HV-12159-04 Lipid research clinic (human)
- ** RO1MH-10179-09 Regulation of food intake (monkeys)
- PO1MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- RO1MH-25280-01 Early life stress, risk factors and chronic disease
- RO1NS-01941-16 Neurophysiology of food intake (rodents)
- RO1NS-06163-09 Cerebral metabolism in newborn and young (children, mice)
- RO1NS-06622-09 CNS-endocrine control of temperature and metabolism (habeons, cats)
- RO1NS-06938-09 Metabolic diseases of the brain (human, rats)
- MO1NJ-24290-02 Progress of patients with selected chronic conditions
- ** MO1RR-00030-13 0125 General clinical research center - Intra-arterial reserpine in diabetic ulcers (human)
- MO1RR-00034-14 0093 General clinical research center - Total lipodystrophy (human)
- ** MO1RR-00036-14 0042 General clinical research center - University group diabetes program (human)
- ** MO1RR-00036-14 0133 General clinical research center - Growth hormone secretion in diabetes mellitus (human)
- MO1RR-00036-14 0154 General clinical research center - Studies of glucagon secretion (human, rats)
- ** MO1RR-00030-14 0184 General clinical research center - Genetic of diabetes (human)
- ** MO1RR-00036-14 0186 General clinical research center - Relationship between diabetes and hyperglycemia (human)
- MO1RR-00040-14 0093 General clinical research center - Hypertalemia in chronic renal disease with oliguria (human)
- ** MO1RR-00042-14 0009 General clinical research center - Leucine and sulfonurea induced hyperglycemia (human)
- ** MO1RR-00048-13 0001 Clinical center - Regulation of metabolic fuels and hormones (human)
- MO1RR-00051-13 0083 General clinical research center - Oral contraceptive agents in diabetes (human)
- ** MO1RR-00051-13 0102 General clinical research center - Insulin-resistant diabetes (human)
- ** MO1RR-00052-13 0034 General clinical research center for children - Endocrinology-Carbohydrate metabolism
- MO1RR-00053-13 0073 Clinical research center - Steroid metabolism-Non-specific illness effects and drug effects (human)
- ** MO1RR-00053-13 0078 Clinical research center - Hormone metabolism in diabetes mellitus (human)
- ** MO1RR-00054-13 0069 General clinical research center - Metabolism of growth hormone in diabetes with and without retinopathy (human)
- MO1RR-00055-13 0027 General clinical research center - Growth hormone enhancement of epinephrine induced lipolysis (human)
- ** MO1RR-00055-13 0107 General clinical research center - C-peptide as indicator of insulin secretion in diabetes (human)
- MO1RR-00055-13 0108 General clinical research center - Serum insulin levels following administration of insulin (human)
- ** MO1RR-00059-13 0174 General clinical research center - Heparin-induced elevation of free fatty acid in diabetes (human)
- MO1RR-00062-12 0002 Clinical research center, children - Adrenal metabolism during perinatal period
- ** MO1RR-00065-12 0048 General clinical research center - Turnover of immunoglobulin light chains in diabetes (human)
- ** MO1RR-00070-12 0100 General clinical research center - Relationship between insulin resistance and fasting insulin levels (human)
- MO1RR-00070-12 0101 General clinical research center - Evaluation of glucose tolerance testing (human)
- MO1RR-00076-12 0002 General clinical research center - Metabolic acidosis (human)
- ** MO1RR-00076-12 0028 General clinical research center - Metabolism in normal and diabetic pregnancy (human)
- ** MO1RR-00076-12 0029 General clinical research center - Effect of glylazinamide in diabetes (human)
- ** MO1RR-00076-12 0076 General clinical research center - Diabetes out of control (human)
- ** MO1RR-00079-12 0022 General clinical research center - Endogenous insulin secretion in insulin-treated diabetes (human)
- ** MO1RR-00079-12 0028 General clinical research center - Effects of intravenous arginine on insulin secretion in diabetes (human)
- MO1RR-00079-12 0104 General clinical research center - Dynamics of glucagon secretion in obesity (human)
- MO1RR-00079-12 0118 General clinical research center - Evaluation of highly purified insulin for diabetes (human)
- ** MO1RR-00082-12 0018 General clinical research center - Hypoglycemia in infancy and its relation to familial diabetes (human)
- MO1RR-00084-12 0015 General clinical research center - Developmental immunology
- MO1RR-00095-14 0039 General clinical research center - Effect of insulin and glucagon on hepatic glucose metabolism in man
- MO1RR-00095-14 0061 General clinical research center - Clinical use of breath acetone measurements (human)
- ** MO1RR-00109-11 0001 General clinical research center - Metabolic relationship of obesity and diabetes (human)
- MO1RR-00109-11 0020 General clinical research center - Abnormalities associated with gout (human)
- MO1RR-00125-11 0136 General clinical research center - adult-child - Glucagon secretion and amine acid insulin relationship
- ** MO1RR-00125-11 0187 General clinical research center - adult-child - Mechanism of hypertension in diabetes
- ** MO1RR-00133-10 0036 General clinical research center - Lipid metabolism in hyperlipemia and diabetes mellitus (human)
- ** MO1RR-00133-10 0056 General clinical research center - Control of body osmolality in diabetics (human)
- ** MO1RR-00134-10 0049 General clinical research center - Effects of diabetes and insulin on plasma lactic acid (human)
- PO6RR-00166-14 Regional primate research center at University of Washington
- MO1RR-00210-10 0006 General clinical research center - Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
- MO1RR-00210-10 0017 General clinical research center - Maternal-child - Constant rate glucose infusion into stomach of newborn infant (human)
- MO1RR-00210-10 0018 General clinical research center - Maternal-child - Infusion insulin and growth hormone responses to arginine
- ** MO1RR-00210-10 0022 General clinical research center - Maternal-child - Constant rate glucose infusion into pregnant mother during labor and delivery
- MO1RR-00210-10 0023 General clinical research center - Maternal-child - Metabolic studies in obese pregnant patients
- MO1RR-00210-10 0027 General clinical research center - Maternal-child - Human fetal insulin at term gestation-Placental transfer of insulin
- MO1RR-00210-10 0046 General clinical research center - Maternal-child - Fetuses of high risk pregnancies (rabbits)
- MO1RR-00211-10 0031 General clinical research center - Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man
- MO1RR-00229-09 0016 General clinical research center - Role of chromium in abnormal carbohydrate metabolism (human)
- ** MO1RR-00261-09 0066 General clinical research center - Production rates of HGH in diabetes (human)
- ** MO1RR-00261-09 0098 General clinical research center - Amino acid, free fatty acids, insulin in diabetes (human)
- ** MO1RR-00262-09 0031 General clinical research center - Plasmin inhibitors in diabetes (human)
- PO7RR-00267-09 0079 Biomedical data processing unit - Blood glucose regulation
- PO7RR-00267-09 0117 Biomedical data processing unit - Current awareness service
- ** MO1RR-00287-08 0005 General clinical research center - Glucose homeostasis in diabetics (human)
- ** MO1RR-00287-08 0018 General clinical research center - Children with chemical diabetes
- ** MO1RR-00305-08 0085 Clinical research center for children - Pancreatic function and carbohydrate metabolism in newborn
- ** MO1RR-00318-08 0068 General clinical research center - Insulin/glucagon ratio in diabetics (human)
- MO1RR-00349-08 0039 General clinical research center - Metabolic effects of sorbitol in humans
- ** MO1RR-00350-08 0102 General clinical research center - Cerebral metabolic effects of glycerol infusion in diabetic and stroke patients
- MO1RR-00400-06 0001 General clinical research center - adult - Study of donors in kidney transplants to diabetics (human)
- ** MO1RR-00400-06 0046 General clinical research center - adult - Assessment of leukocyte function in diabetic patient
- ** MO1RR-00400-06 0048 General clinical research center - adult - Hypothalamic response to hypoglycemia in diabetes (human)
- MO1RR-00425-06 0030 General clinical research center - Glucose homeostasis (human)
- MO1RR-00626-02 0075 General clinical research center - Metabolic studies of lipotrophic diabetes (human, rats)
- ** MO1RR-00628-04 0037 General clinical research center for children - Insulin resistance-Exacerbation of diabetes mellitus by insulin
- ** MO1RR-00628-04 0048 General clinical research center for children - Glucose and urea concentration of crevicular fluid in diabetic patients
- MO1RR-00633-02 0006 General clinical research center - Ketogenesis in humans
- ** MO1RR-00645-03 0041 Clinical research center - Control of nitrogen metabolism in pediatric patients
- MO1RR-00827-01 0015 General clinical research center - Echocardiographic assessment in perinatal period (human)
- MO1RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
- ** MO1RR-00828-01 0032 General clinical research center - Effect of regulation on natural history of diabetes (human)
- ** MO1RR-00828-01 0037 General clinical research center - Effect on androgen metabolism in syndrome of diabetes, hirsutism and obesity
- ** MO1RR-00847-01 0005 Clinical research centers - Glycogen synthetase activity and regulation in diabetes mellitus (human)
- ** MO1RR-00865-01 0011 General clinical research center - Fructose stimulated growth hormone response in diabetes mellitus (human)

METABOLIC DISORDERS (INBORN), DIABETES, INSULIN (RESISTANCE) TOLERANCE

SEE ALSO METABOLIC DISORDERS (INBORN), DIABETES, LIPOTROPIC

SEE ALSO METABOLIC DISORDERS INBORN, OBESITY HEREDITARY HYPERGLYCEMIC

- ** RO1AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
- ** RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
- RO1AM-12763-05 Insulin release in diabetes (human, cattle)
- ** RO1AM-13319-06 Insulin resistance and enzymes of glycogen metabolism (dogs, rats, human)
- RO1AM-15272-03 Metabolism of perfused hind limb (rats)
- ** RO1AM-16896-01 Decreased insulin sensitivity in diabetes and other disorders (human)
- ** P17AM-17026-01 0035 Vanderbilt University Diabetes-Endocrinology Center - Hepatic and peripheral sensitivity to insulin (men)
- P17AM-17042-01 0004 Diabetes endocrinology research center - Cyclic nucleotides and enzymes in cultured diabetic cells (human)
- P17AM-17042-01 0011 Diabetes endocrinology research center - Three forms of childhood diabetes mellitus
- P17AM-17624-01 0003 Obesity center - Adipose insulin receptor and its role in obesity (human)
- ** MO1AM-42213-00 Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs)
- RO1CA-12109-04 0023 Trophoblastic disease - Effects of neoplastic disease on carbohydrate metabolism
- ** PO1GM-15253-08 0019 Genetics in medicine-Gene action in man - Immunologic aberrations
- RO1GM-17712-04 Hormonal control of gene expression in animal cells (human, rats)
- RO1GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
- RO1HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
- ** MO1RR-00043-14 0074 General clinical research center - Insulin resistance (human)
- ** MO1RR-00051-13 0102 General clinical research center - Insulin-resistant diabetes (human)
- MO1RR-00053-13 0027 Clinical research center - Somatostatin response to insulin tolerance in depression, schizophrenia (human)
- ** MO1RR-00056-13 0009 General Clinical Research Center - Plasma insulin binding capacity in brittle diabetes (human)
- ** MO1RR-00056-13 0036 General Clinical Research Center - Studies in insulin resistance (human)
- ** MO1RR-00058-13 0036 General clinical research center - Relationship insulin antagonism to plasma glucagon disturbances (human)
- ** MO1RR-00070-12 0100 General clinical research center - Relationship between insulin resistance and fasting insulin levels (human)
- ** MO1RR-00079-12 0022 General clinical research center - Endogenous insulin secretion in insulin-treated diabetes (human)
- ** MO1RR-00079-12 0105 General clinical research center - Characteristics of hyperinsulinism (human)
- ** MO1RR-00109-11 0002 General clinical research center - Carbohydrate metabolism in uremia (human)
- ** MO1RR-00425-06 0042 General clinical research center - Mechanisms of insulin resistance (human)
- ** MO1RR-00628-04 0037 General clinical research center for children - Insulin resistance-Exacerbation of diabetes mellitus by insulin
- MO1RR-00847-01 0005 Clinical research centers - Glycogen synthetase activity and regulation in diabetes mellitus (human)
- MO1RR-00847-01 0028 Clinical research centers - Insulin, lipids, ALC hemoglobin in hyperglycemia (human)

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**Oriented significantly to above subject.

M Grant has sub-projects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

METABOLIC DISORDERS (INBORN) DIABETES, JUVENILE

- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 P01AM-11290-08 Pathophysiology of organ transplant (human)
 ** P01AM-16716-01 0027 Pathophysiological bases of muscle diseases - Hormonal, biochemical and muscle capillary abnormalities in diabetes (human)
 ** P17AM-17042-01 0011 Diabetes endocrinology research center - Three forms of childhood diabetes mellitus
 ** P17AM-17042-01 0012 Diabetes endocrinology research center - Alc hemoglobin synthesis in diabetic marrow cultures
 ** P17AM-17046-01 0003 Diabetes endocrinology center - Follow up of newly diagnosed diabetics (children)
 ** P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
 ** P01HD-04024-06 0009 Mental retardation research center - Insulin in juvenile diabetes (human)
 R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
 P01HL-08195-12 0018 Circulatory physiology - Metabolic effects of glucagon (human, rats)
 R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 R01HL-16634-09 0001 Regulation of metabolism in fibroblasts and platelets - Regulation of fatty acid biosynthesis in skin fibroblasts (human, mice, rats)
 R01MH-21336-03 Families of children with psychosomatic problems
 ** MO1RR-00030-13 0121 General clinical research center - L-dopa stimulated growth hormone levels in juvenile diabetics
 ** MO1RR-00036-14 0204 General clinical research center - Insulin levels in juvenile diabetes during carbohydrate intolerance (human)
 ** MO1RR-00050-13 0066 Wilson's disease - Hyperlipidemia in juvenile diabetics and degenerative vascular disease
 MO1RR-00052-13 0034 General clinical research center for children - Endocrinology - Carbohydrate metabolism
 ** MO1RR-00053-13 0038 Clinical research center - Growth hormone and sulfation factor in diabetes (human)
 ** MO1RR-00055-13 0016 General clinical research center - Juvenile diabetes - Proinsulin metabolism (human)
 ** MO1RR-00068-12 0018 General clinical research center - Juvenile diabetes treated with unmeasured diet
 ** MO1RR-00068-12 0043 General clinical research center - Insulin allergy in juvenile diabetes
 ** MO1RR-00068-12 0054 General clinical research center - Hypothalamic-pituitary function in juvenile diabetic amenorrhea
 ** MO1RR-00069-12 0066 General clinical research center, children - Abnormal glucose tolerance in obesity and latent diabetes
 ** MO1RR-00069-12 0069 General clinical research center, children - Effect of chromium on chemotaxis of polymorphonuclear leukocytes in diabetes
 ** MO1RR-00069-12 0089 General clinical research center, children - Insulin metabolism in untreated juvenile diabetics
 ** MO1RR-00082-12 0022 General clinical research center - Chemical childhood diabetes and treatment with tolbutamide (human)
 ** MO1RR-00082-12 0066 General clinical research center - Effect of phenformin on diabetes mellitus in childhood
 ** MO1RR-00082-12 0107 General clinical research center - Renal function in childhood diabetes and retinal vascular status
 ** MO1RR-00084-12 0004 General clinical research center - children - Juvenile diabetes mellitus
 ** MO1RR-00084-12 0039 General clinical research center - children - Glucose tolerance sums and glucose-insulin ratios
 ** MO1RR-00086-12 0024 General clinical research center - children - Assessment of the prediabetic child
 ** MO1RR-00123-11 0031 General clinical research center - Children - Intestinal mucosa in diabetic children
 ** MO1RR-00125-11 0218 General clinical research center - adult-child - Cyclic AMP dynamics in lipotrophic diabetes
 ** MO1RR-00128-10 0067 General clinical research center for children - Diabetic complications
 ** MO1RR-00211-10 0052 General clinical research center - Plasma insulin, proinsulin and nonsuppressible insulin like activity in man
 ** MO1RR-00240-10 0067 General clinical research center - Children - Psychosomatic aspects in juvenile diabetes
 ** MO1RR-00240-10 0090 General clinical research center - Children - Juvenile diabetes mellitus
 ** MO1RR-00240-10 0092 General clinical research center - Children - Prediabetes and newly discovered juvenile diabetes
 ** MO1RR-00261-09 0104 General clinical research center - Chemical diabetes (human)
 ** MO1RR-00287-08 0055 General clinical research center - Tolbutamide treatment for children with chemical diabetes
 ** MO1RR-00287-08 0056 General clinical research center - Insulin reserve in juvenile diabetes
 ** MO1RR-00305-08 0011 Clinical research center for children - Proinsulin metabolism in juvenile diabetes

- MO1RR-00425-06 0028 General clinical research center - Secretion rates of human growth hormone
 ** MO1RR-00425-06 0036 General clinical research center - Prodiabetes (human)
 ** MO1RR-00628-01 0023 General clinical research center - Hydrogen ion retention in diabetic acidosis and ketosis
 ** MO1RR-00847-01 0028 Clinical research centers - Insulin, lipids Alc hemoglobin in hyperglycemia (human)

METABOLIC DISORDERS (INBORN), DIABETES, LIPOATROPHIC

- SEE ALSO LIPID MOBILIZING FACTORS PITUITARY
 ** R01AM-16529-01 New diabetogenic peptide from human pituitary glands (human, rabbits and rats)
METABOLIC DISORDERS (INBORN), DIABETES, PREDIABETIC STATE
 ** R01AM-00688-19 Prediction and long-term study of future diabetes (human)
 R01AM-03854-14 Regulation of insulin degradation (human, cattle, rats)
 ** R01AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
 ** R01AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
 R01AM-12763-05 Insulin release in diabetes (human, cattle)
 R01AM-15100-04 Importance of chromium in human nutrition (also mice)
 R01AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)
 P01AM-16716-01 0027 Pathophysiological bases of muscle diseases - Hormonal, biochemical and muscle capillary abnormalities in diabetes (human)
 ** R01AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
 ** P01GM-19100-03 0006 Genetics research center - Prodiabetic state (human)
 ** P01HL-06285-14 0149 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in prediabetic and diabetic subjects
 R01HL-12869-05 Arterial metabolism, diabetes and atherosclerosis (hamsters, mice, rats, human)
 R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 ** MO1RR-00031-14 0004 General clinical research center - Metabolic response of normal and prediabetic man to starvation
 MO1RR-00032-14 0002 General clinical research center - Gluconeogenesis in health and disease (human)
 MO1RR-00050-13 0008 Wilson's disease - Obese children (human)
 ** MO1RR-00069-12 0066 General clinical research center, children - Abnormal glucose tolerance in obesity and latent diabetes
 ** MO1RR-00086-12 0024 General clinical research center - children - Assessment of the prediabetic child
 MO1RR-00199-10 0052 General clinical research center for children - Carbohydrate homeostasis in Hashimoto's thyroiditis
 ** MO1RR-00240-10 0092 General clinical research center - Children - Prediabetes and newly discovered juvenile diabetes
 ** MO1RR-00287-08 0005 General clinical research center - Glucose homeostasis in diabetes (human)
 ** MO1RR-00287-08 0018 General clinical research center - Children with chemical diabetes
 ** MO1RR-00287-08 0055 General clinical research center - Tolbutamide treatment for children with chemical diabetes
 ** MO1RR-00425-06 0036 General clinical research center - Prodiabetes (human)
 MO1RR-00847-01 0028 Clinical research centers - Insulin, lipids Alc hemoglobin in hyperglycemia (human)
METABOLIC DISORDERS (INBORN), DIABETES, PREGNANCY IN DIABETES
 P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
 ** P01HD-00781-11 0012 Studies on prematurity - Beta-lipoproteins and hematologic changes in pregnancy and newborn (human)
 P01HD-00781-11 0017 Studies on prematurity - Clinical studies in pregnancy (human)
 P01HD-02147-08 0009 Extruterine growth and development - Hemoglobin oxygen transport (human, pinipeds)
 P01HD-02147-08 0012 Extruterine growth and development - Bilirubin production in infancy (dogs, human)
 R01HD-06355-03 Etiology of hypoglycemia in infants and children (human, rats)
 R01HD-08360-01 Placental function in normal and abnormal pregnancy (human)
 R01HD-08595-01 Feto-maternal metabolism of unsaturated fatty acids (human, rabbits, rodents)
 P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)
 ** MO1RR-00039-14 0086 General clinical research center - Nephrogenic diabetes insipidus (human)

- ** MO1RR-00048-13 0001 Clinical center - Regulation of metabolic fuels and hormones (human)
 ** MO1RR-00076-12 0028 General clinical research center - Metabolism in normal and diabetic pregnancy (human)
 MO1RR-00262-09 0031 General clinical research center - Plasmin inhibitors in diabetes (human)

METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS

- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
 R01AM-00289-25 Histopathology of amino acid deficiencies (rats)
 ** R01AM-07369-12 Transport studies in experimental renal disease (human, rats)
 ** R01AM-08469-11 Hereditary diabetes insipidus (mice)
 R01AM-12473-06 Synthetic peptide hormones
 R01AM-16105-03 Cellular action of antidiuretic hormone in the kidney (rats, dogs)
 ** R01AM-16175-03 Secretion of vasopressin (human, dogs)
 R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
 R01AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)
 R01AM-17234-01 Effects of lithium on renal function (human, rats)
 P01AM-17433-01 0004 Cardiovascular, metabolic aspects of membrane transport - Renal handling of lithium and its effect on nephron function (rats, hamsters)
 P01AM-17433-01 0008 Cardiovascular, metabolic aspects of membrane transport - Effects of lithium on renal function (rats, human)
 R01GM-20085-15 The regulation of electrolyte balance in surgery (human, dogs, rats)
 R01HD-06351-03 Neurohypophysial hormones - Structure-activity and physio
 R01HD-08968-01 Definitions and mechanism of hyperperipia in pregnancy (human, rats)
 ** R01HL-14784-03 Micropercutaneous studies on the mammalian renal medulla (rats)
 ** MO1RR-00048-14 0053 General clinical research center - Escape phenomenon in diabetes insipidus and panhypopituitarism (human)
 ** MO1RR-00050-13 0014 Wilson's disease - Chlorpropamide and diabetes insipidus (human)
 ** MO1RR-00229-09 0014 General clinical research center - Functional capacity of the anterior pituitary (human)
 MO1RR-00229-09 0017 General clinical research center - ADH excretion in abnormal water balance (human)
 ** MO1RR-00229-09 0036 General clinical research center - Vasopressin release mechanism (human)
 ** MO1RR-00229-09 0044 General clinical research center - Antidiuretic effect of chlorpropamide (human)
 MO1RR-00750-02 0006 General clinical research center - Abnormalities of vasopressin function (human)

METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS, VASOPRESSIN RESISTANCE

- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
 P01HL-06308-14 0027 Mechanisms and therapy of circulatory disease - Regulation of vasopressin (human, animals)
 ** MO1RR-00229-09 0036 General clinical research center - Vasopressin release mechanism (human)
 ** MO1RR-00750-02 0021 General clinical research center - Defect in cyclic AMP formation in nephrogenic diabetes insipidus (human)

METABOLIC DISORDERS (INBORN), DIABETIC ACIDOSIS

- SEE ALSO KETONE BODIES
 R01AM-13941-05 Proinsulin secretion and biological activity (human)
 ** R01AM-16102-01 0002 Regulation of ketoacid metabolism - Daily body balance of ketoacids (human)
 ** P17AM-17042-01 0012 Diabetes endocrinology research center - Alc hemoglobin synthesis in diabetic marrow cultures
 ** P17AM-17046-01 0002 Diabetes endocrinology center - Ketoacidosis and hyperosmolar coma (human)
 ** P17AM-17046-01 0004 Diabetes endocrinology center - Residual beta cell function in insulin requiring diabetics (human)
 R01CA-08269-13 Regulation of ketogenesis and lipogenesis (rats)
 R01HL-13713-04 Pathogenesis of lipid accumulation (human, mice)
 ** MO1RR-00036-14 0122 General clinical research center - Treatment of diabetic complications (human)
 ** MO1RR-00240-10 0067 General clinical research center - Children - Psychosomatic aspects in juvenile diabetes
 MO1RR-00828-01 0023 General clinical research center - Hydrogen ion retention in diabetic acidosis and ketosis
METABOLIC DISORDERS (INBORN), DIABETIC ANGIOPATHIES
 SEE ALSO METABOLIC DISORDERS (INBORN), DIABETIC NEUROPATHIES
 SEE ALSO METABOLIC DISORDERS (INBORN), DIABETIC RETINOPATHY

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RO1AM-00889-19 Prediction and long-term study of future diabetes (human)
 ** PO1AM-03555-15 0003 Coordinated studies in rheumatic diseases - Complement components (human, rabbits, chickens)
 ** RO1AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
 RO1AM-04401-14 Relation of treatment to diabetic complications (human)
 RO1AM-04403-14 Relation of treatment to diabetic complications (human)
 RO1AM-04412-14 Relation of treatment to diabetic complications (human)
 RO1AM-04495-14 Relation of treatment to diabetic complications (human)
 RO1AM-04495-14 Relation of treatment to diabetic complications (human)
 ** RO1AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
 RO1AM-05422-13 Relation of treatment to diabetic complications (human)
 RO1AM-05648-14 Relation of treatment to diabetic complications (human)
 RO1AM-06737-12 Relation of treatment to diabetic complications (human)
 RO1AM-06739-12 Relation of treatment to diabetic complications (human)
 RO1AM-06744-12 Relation of treatment to diabetic complications (human)
 RO1AM-06876-12 Relation of treatment to diabetic complications (human)
 RO1AM-07601-11 Relation of treatment to diabetic complications (human)
 RO1AM-07854-11 Relation of treatment to diabetic complications (human)
 RO1AM-06113-11 Relation of treatment to diabetic complications (human)
 RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
 ** RO1AM-13866-05 Basement membrane derangements in diabetes mellitus (human)
 ** RO1AM-15314-03 Basement membrane metabolism in diabetes mellitus (rats, human)
 ** PO1AM-16716-01 0027 Pathophysiological bases of muscle diseases - Hormonal, biochemical and muscle capillary abnormalities in diabetes (human)
 ** P17AM-17042-01 0002 Diabetes endocrinology research center - Biochemical basis of vascular lesions in diabetes (mammals)
 P17AM-17042-01 0011 Diabetes endocrinology research center - Three forms of childhood diabetes mellitus
 RO1AM-17477-01 Biosynthesis of glycoproteins (rodents, cattle)
 ** RO1AM-17485-01 Capillary permeability in experimental diabetes (rats)
 ** RO1AM-17697-01 Islets transplantation and diabetic vascular disease (rats)
 PO1GM-19100-03 0025 Genetics research center - Hemasaminidase activities and properties (human, rats)
 RO1HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
 ** PO1HL-06285-14 0149 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in prediabetic and diabetic subjects
 ** PO1HL-06285-14 0151 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in diabetic children and glucose tolerance
 ** PO1HL-06285-14 0152 Cardiovascular-respiratory physiology and biochemistry - Diabetic microangiopathy by organ and tissue culture (human)
 ** RO1HL-13632-04 Vascular changes in diabetes mellitus (human)
 ** RO1HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 ** MO1RR-00036-14 0122 General clinical research center - Treatment of diabetic complications (human)
 MO1RR-00053-13 0038 Clinical research center - Growth hormone and sulfation factor in diabetes (human)
 MO1RR-00065-12 0048 General clinical research center - Turnover of immunoglobulin light chains in diabetes (human)
 MO1RR-00068-12 0018 General clinical research center - Juvenile diabetes treated with unmeasured diet
 ** MO1RR-00096-14 0057 Clinical research center - Vascular disease in diabetes (human)
 MO1RR-00287-08 0011 General clinical research center - Small molecular weight solute transport during peritoneal dialysis (human)

METABOLIC DISORDERS (INBORN), DIABETIC COMA

** RO1AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
 RO1AM-16747-01 Blood brain barrier and carbohydrate metabolism (dogs, rabbits)
 ** P17AM-17046-01 0002 Diabetes endocrinology center - Ketoacidosis and hyperosmolar coma (human)
 ** MO1RR-00036-14 0122 General clinical research center - Treatment of diabetic complications (human)

METABOLIC DISORDERS (INBORN), DIABETIC NEPHROPATHIES

SEE ALSO KIDNEY DISORDERS, GLOMERULONEPHRITIS

RO1AM-00889-19 Prediction and long-term study of future diabetes (human)
 PO1AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 RO1AM-04401-14 Relation of treatment to diabetic complications (human)
 RO1AM-04403-14 Relation of treatment to diabetic complications (human)
 RO1AM-04412-14 Relation of treatment to diabetic complications (human)
 RO1AM-04495-14 Relation of treatment to diabetic complications (human)
 ** RO1AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
 RO1AM-05422-13 Relation of treatment to diabetic complications (human)
 RO1AM-05648-14 Relation of treatment to diabetic complications (human)
 RO1AM-06737-12 Relation of treatment to diabetic complications (human)
 RO1AM-06739-12 Relation of treatment to diabetic complications (human)
 RO1AM-06744-12 Relation of treatment to diabetic complications (human)
 RO1AM-06876-12 Relation of treatment to diabetic complications (human)
 RO1AM-07601-11 Relation of treatment to diabetic complications (human)
 RO1AM-07854-11 Relation of treatment to diabetic complications (human)
 RO1AM-09113-11 Relation of treatment to diabetic complications (human)
 RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
 RO1AM-14805-05 Chemistry and metabolism of basement membranes (rats, mice, human)
 RO1AM-15019-03 Neuropathy in diabetes-Role of sorbitol pathway (human, rats)
 ** RO1AM-15314-03 Basement membrane metabolism in diabetes mellitus (rats, human)
 ** RO1AM-15394-04 Glycoprotein structure and metabolism in diabetes (rats)
 RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
 PO1AM-17433-01 0004 Cardiovascular, metabolic aspects of membrane transport - Renal handling of lithium and its effect on nephron function (rats, hamsters)
 PO1AM-17433-01 0008 Cardiovascular, metabolic aspects of membrane transport - Effects of lithium on renal function (rats, human)
 RO1AM-17724-01 Normal and pathologic glomerular capillaries (rats)
 MO1AM-42216-00 Multivariate analysis of dialysis efficacy, relation to access methods (human)
 RO1HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 ** MO1RR-00036-14 0122 General clinical research center - Treatment of diabetic complications (human)
 ** MO1RR-00039-14 0086 General clinical research center - Nephrogenic diabetes insipidus (human)
 MO1RR-00096-14 0057 Clinical research center - Vascular disease in diabetes (human)
 MO1RR-00128-10 0067 General clinical research center for children - Diabetic complications
 ** MO1RR-00400-06 0012 General clinical research center-adult - Prednisone-immuran therapy for nephrotic syndrome (human)

METABOLIC DISORDERS (INBORN), DIABETIC NEUROPATHIES

** RO1AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
 RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
 ** RO1AM-15019-03 Neuropathy in diabetes-Role of sorbitol pathway (human, rats)
 ** RO1NS-10763-06 Myelin synthesis in normals and diabetics (mice, human, dog, cat, rabbit, rat)
 ** MO1RR-00032-14 0074 General clinical research center - Myoinositol metabolism in diabetes mellitus (human)
 ** MO1RR-00036-14 0122 General clinical research center - Treatment of diabetic complications (human)
 MO1RR-00128-10 0067 General clinical research center for children - Diabetic complications

METABOLIC DISORDERS (INBORN), DIABETIC RETINOPATHY

** RO1AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
 RO1AM-04401-14 Relation of treatment to diabetic complications (human)
 RO1AM-04403-14 Relation of treatment to diabetic complications (human)
 RO1AM-04412-14 Relation of treatment to diabetic complications (human)
 RO1AM-04495-14 Relation of treatment to diabetic complications (human)
 RO1AM-05422-13 Relation of treatment to diabetic complications (human)
 RO1AM-05648-14 Relation of treatment to diabetic complications (human)

RO1AM-06737-12 Relation of treatment to diabetic complications (human)
 RO1AM-06739-12 Relation of treatment to diabetic complications (human)
 RO1AM-06744-12 Relation of treatment to diabetic complications (human)
 RO1AM-06876-12 Relation of treatment to diabetic complications (human)
 RO1AM-07601-11 Relation of treatment to diabetic complications (human)
 RO1AM-07854-11 Relation of treatment to diabetic complications (human)
 RO1AM-09113-11 Relation of treatment to diabetic complications (human)
 RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
 ** RO1AM-17697-01 Islets transplantation and diabetic vascular disease (rats)
 ** RO1EY-00205-15 Retina and retinal vessels (human, dogs, cats)
 ** PO1EY-00227-13 0010 The posterior segment of the eye - Diabetic retinopathy (human)
 ** RO1EY-00250-11 Diabetic retinopathy (human, dogs)
 RO1EY-00275-08 Ultrasonic measurement of optical dimensions (human, monkeys, cats)
 ** RO1EY-00300-09 Diabetic retinopathy (monkeys, dogs)
 ** PO1EY-00331-08 0005 Retinal morphology, function and clinical characteristics - Morphology and function (human, rats, rabbits)
 ** P1SEY-00338-09 0007 A study of macular disease - Photocoagulation of cystoid macular edema in diabetic retinopathy (human)
 RO1EY-00343-09 Retinal metabolism (rats, cattle, cats, frogs, human)
 ** P1SEY-00492-08 Ophthalmic OPD clinical research project (human)
 ** PO1EY-00523-13 0006 Sensory disease clinical research center (eye disorders) - Photocoagulation in treatment of retinal diseases (human)
 ** RO1EY-00613-04 Retinal pathology and circulation (human, rats)
 ** RO1EY-00643-02 Collaborative diabetic retinopathy study (human)
 ** RO1EY-00648-01 Collaborative study of diabetic retinopathy (human)
 ** RO1EY-00650-01 Collaborative diabetic retinopathy study (human)
 RO1EY-00791-03 Development of system to study ocular vascular dynamics (human)
 ** RO1EY-00926-01 ERG and VECF as indices of photopic dysfunction (human)
 RO1EY-01007-01 The eye in malignant hypertension (human, monkeys)
 ** RO1EY-01034-01 Collaborative study of diabetic retinopathy (human)
 ** RO1EY-01037-01 Collaborative diabetic retinopathy study (human)
 ** RO1EY-01046-01 Collaborative study of diabetic retinopathy (human)
 ** RO1EY-01254-01 Role of abnormal hemorheology in diabetic retinopathy (human)
 ** RO1EY-01261-01 0003 Image processing for clinical ophthalmology - Retinal circulation time in diabetes (human)
 R23EY-01368-01 Experimental retinal neovascularization (cats)
 ** MO1EY-32118-03 Diabetic retinopathy study (human)
 ** MO1EY-32119-02 Diabetic retinopathy study (human)
 ** MO1EY-32121-02 Diabetic retinopathy study (human)
 ** MO1EY-32122-02 Diabetic retinopathy study (human)
 ** MO1EY-32123-02 Diabetic retinopathy study (human)
 ** MO1EY-32124-02 Diabetic retinopathy study (human)
 ** MO1EY-32125-02 Diabetic retinopathy study (human)
 ** MO1EY-32126-03 Diabetic retinopathy study (human)
 ** MO1EY-32127-03 Diabetic retinopathy study (human)
 ** MO1EY-32129-02 Diabetic retinopathy study (human)
 ** MO1EY-32130-02 Diabetic retinopathy study (human)
 ** MO1EY-42128-02 Diabetic retinopathy study (human)
 ** MO1EY-42142-02 Diabetic retinopathy study (clinic)
 ** MO1EY-42170-00 Diabetic retinopathy-clinical center (human)
 ** MO1EY-42171-00 Diabetic retinopathy study (clinical center) (human)
 ** MO1EY-42172-00 Diabetic retinopathy (human)
 ** MO1EY-42173-00 Diabetic retinopathy study-clinical center (human)
 RO1FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
 PO1GM-14231-09 0022 Natural history of heart, cancer, stroke in a population - Diabetes mellitus
 RO1GM-15289-07 Electron microscopy of cells having cycles (human, primates, mammals)
 ** PO1HD-02274-08 0068 Mental retardation and child development - Biochemical studies of retina (human, chickens)
 RO1HD-08956-01 Follow-up of eclamptic and of rheumatic cardiac women
 ** RO1HL-13632-04 Vascular changes in diabetes mellitus (human)
 RO1HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)

(contd)

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**Oriented significantly to above subject.

† Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P17HL-14182-04 0008 A special center of research in thrombosis - Coagulation changes in diabetic retinopathy (human)
- P17HL-14236-04 0009 Prevention of premature arteriosclerosis - Clinical studies on cholesterol metabolism (human)
- M01RR-00030-13 0121 General clinical research center - L-dopa stimulated growth hormone levels in juvenile diabetics
- ** M01RR-00036-14 0122 General clinical research center - Treatment of diabetic complications (human)
- ** M01RR-00039-14 0088 General clinical research center - Diabetic retinopathy (human)
- M01RR-00042-14 0009 General clinical research center - Leucine and sulfonylureas induced hypoglycemia (human)
- ** M01RR-00054-13 0069 General clinical research center - Metabolism of growth hormone in diabetes with and without retinopathy (human)
- ** M01RR-00064-10 0080 General clinical research center - National collaborative diabetic retinopathy study (human)
- M01RR-00096-14 0057 Clinical research center - Vascular disease in diabetes (human)
- M01RR-00128-10 0067 General clinical research center for children - Diabetic complications
- ** M01RR-00400-06 0006 General clinical research center - adult - Effect of pancreas transplantation on diabetic retinopathy (human)
- ** M01RR-00722-02 0006 General Clinical Research Center - Natural history of diabetic retinopathy (human)

METABOLIC DISORDERS INBORN, DISACCHARIDE (OLIGOSACCHARIDE) INTOLERANCE

- ROIAM-01392-18 0003 Structure and function of intestinal cell membranes - Transport studies in experimental and clinical disorders
- ** R22AM-09580-09 0011 Infantile diarrhea and malnutrition (Peru, Baltimore) - Lactase deficiency (human)
- ** P02AM-10202-08 0003 Studies in human nutrition - Lactose malabsorption in relation to age, ethnic background and nutrition
- ROIAM-10696-08 Brush border phase of digestive-adsorptive function (human, animals)
- ROIAM-11270-08 Carbohydrate digestion by the intestine (human, rats)
- ROIAM-16059-16 Pathogenesis of human alimentary mucosal disease (human, rats)
- PIOES-00210-07 0014 Center for environmental management - Heavy metals and intestinal lactose enzymes (hogs, rats, human)
- POIHD-02147-08 0004 Extruterine growth and development - Intestine (human, mice)
- ** ROIHD-07179-01 Lactose intolerance in healthy children
- ** M01RR-00034-14 0058 General clinical research center - Calcium absorption in lactulose intolerant patients fed dairy products (human)
- M01RR-00035-14 0033 General clinical research centers - Intestinal disaccharidases (human)
- ** M01RR-00037-14 0123 General clinical research center - Structure and function of mucosa of GI tract (human)
- ** M01RR-00039-14 0053 General clinical research center - Glucose-galactose malabsorption syndrome (human)
- ** M01RR-00062-12 0035 Clinical research center, children - Sucrase-isomaltase deficiency
- ** M01RR-00063-12 0028 General clinical research center - Disaccharidase in tropical sprue (human)
- M01RR-00088-11 0039 General clinical research center - Milk tolerance and preference in children
- ** M01RR-00125-11 0225 General clinical research center - adult-child - Disaccharide metabolism in chronic diarrhea and failure to thrive
- M01RR-00133-10 0060 General clinical research center - Lactose content methods of tube feeding in diarrhea (human)
- M01RR-00229-09 0024 General clinical research center - Persistent diarrhea in infants (human)
- ** M01RR-00722-02 0007 General Clinical Research Center - Lactase deficiency and milk intolerance (human)

METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME

- P02AM-04501-13 0016 Metabolic disease research center - Genetic disorders of collagen metabolism (human)
- ROIAM-09406-11 0004 Genetic diseases - Collagen metabolism (human)
- ROIAM-15656-03 Molecular pathology of heritable disorders (human, mice)
- ROIAM-16767-02 Control of collagen biosynthesis and maturation (human, swine)
- ROIAM-17128-01 Collagen and elastin of connective tissue disease
- POIEY-00227-13 0013 The posterior segment of the eye - Retinal detachment and related conditions (human)
- ** PO1GM-19489-03 0006 Study of human genetics - Biochemical abnormalities in the Ehlers-Danlos syndrome
- POIHD-07376-01 0002 Fibroblasts and connective tissues in development - Collagen alterations in development, maturation, aging and disease (human)
- ** M01RR-00035-14 0040 General clinical research centers - Heritable disorders of connective tissues (human)

- M01RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
- ** M01RR-00109-11 0011 General clinical research center - Collagen metabolism in Ehlers-Danlos syndrome (human)
- POGRR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
- ** M01RR-00722-02 0017 General Clinical Research Center - Heritable disorders of connective tissue (human)
- M01RR-00722-02 0029 General Clinical Research Center - Obstetrical and gynecological complications in heritable disorders (human)

METABOLIC DISORDERS INBORN, FAMILIAL MEDITERRANEAN FEVER

- ROIAM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
- ** PO1GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
- ** PO1GM-19489-03 0024 Study of human genetics - Linkage and gene assignment by cell hybridization
- ** PO1MH-11668-09 0099 Psychosocial factors in health and disease - Psychological processes in familial Mediterranean fever
- ** M01RR-00033-01 0027 General clinical research center - Plasmapheresis treatment of familial Mediterranean fever

METABOLIC DISORDERS INBORN, FAMILIAL PERIODIC PARALYSIS

- ** P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- ** PO1GM-16934-06 0008 Sulfonamides and carbonic anhydrase-Basis for therapy - Acetazolamide in familial periodic paralysis (dogs, cats, human)
- POIHD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)
- ** M01RR-00037-14 0144 General clinical research center - Familial hypokalemic paralysis (human)
- M01RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
- M01RR-00043-14 0048 General clinical research center - Neuromuscular disease (human)
- ** M01RR-00050-13 0069 Wilson's disease - Periodic paralysis
- ** M01RR-00059-13 0132 General clinical research center - Biochemical abnormalities of muscle ribosomes in hypertonic periodic paralysis
- ** M01RR-00082-12 0101 General clinical research center - Addendum to hyper-hypokalemic periodic paralysis study
- ** M01RR-00082-12 0110 General clinical research center - Carbonic anhydrase inhibition effect on hypertonic periodic paralysis (human)
- M01RR-00095-14 0073 General clinical research center - Disordered neuromuscular transmission (human)
- ** M01RR-00229-09 0003 General clinical research center - Hypo- and hyperkalemic periodic paralysis (human)

METABOLIC DISORDERS INBORN, FAVISM

- SEE ALSO METABOLIC DISORDERS INBORN, GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY
- SEE ALSO METABOLIC DISORDERS INBORN, PRIMAQUINE SENSITIVITY
- ** PO1GM-15253-08 0030 Genetics in medicine-Gene action in man - Identification of the second genetic factor in favism

METABOLIC DISORDERS INBORN, FRUCTOSE DIPHOSPHATASE DEFECT

- POIAM-09650-10 0008 Hormonal and ionic control of metabolism - Action mechanism of parathyroid hormones (rats)
- ** POIAM-09650-10 0012 Hormonal and ionic control of metabolism - Calcium metabolism changes in carbohydrate disorders (human)
- ** ROIAM-13518-12 Unexplained hypoglycemia in children
- PO1GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- ** M01RR-00199-10 0060 General clinical research center for children - Fructose 1,6-diphosphatase deficiency
- ** M01RR-00240-10 0097 General clinical research center - Children - Fructose 1,6-diphosphatase enzyme deficiency

METABOLIC DISORDERS INBORN, FRUCTOSE INTOLERANCE HEREDITARY

- ROIAM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- POIAM-09650-10 0008 Hormonal and ionic control of metabolism - Action mechanism of parathyroid hormones (rats)
- ** POIAM-09650-10 0012 Hormonal and ionic control of metabolism - Calcium metabolism changes in carbohydrate disorders (human)
- ** POIAM-16764-02 0001 Disorders of renal acidification - Hereditary fructose intolerance (human, dogs, rats)
- ** M01RR-00079-12 0001 General clinical research center - Nature of acidification defect (human)

METABOLIC DISORDERS INBORN, GALACTOSEMIA

- ** ROIAM-04837-14 Diet and mental development in galactosemia (human)
- ROIAM-06815-12 0001 Inborn errors of metabolism - Carbohydrate disorders (human)
- ROIAM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- ** ROIAM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
- M ROIAM-10894-08 Genetic metabolic diseases of infancy and childhood
- ** ROIAM-10894-08 0001 Genetic metabolic diseases of infancy and childhood - Galactose metabolism in patients
- ** ROIAM-10894-08 0004 Genetic metabolic diseases of infancy and childhood - Galactose toxicity (chicks, rats)
- ** ROIAM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E cell)
- ** ROIAM-13709-06 Structure and function of pyrophosphorylases (human, cattle, rabbits)
- ** ROIAM-14755-04 Diagnosis and therapy of Gauchers disease (human, rats, rabbits)
- ROIAM-15019-03 Neuropathy in diabetes-Role of sorbitol pathway (human, rats)
- ** ROIAM-16709-02 Structure-function of GAL-1-P04 uridy transferase (human)
- P17AM-17026-01 0031 Vanderbilt University Diabetes-Endocrinology Center - Polyl pathway and the glucuronoxylulose cycle in diabetes
- P02CA-13053-03 0091 Clinical cancer radiation therapy research center - Alternate pathway of galactose metabolism
- ROIEY-00502-10 Experimental cataracts (rats)
- PO1GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- ** PO1GM-19513-03 0002 Human genetics - New biochemical tools in genetic diagnosis
- ROIAM-20608-01 Genetic control of mammalian cell metabolism (human, hamsters)
- ROIHD-00588-12 Biochemical genetics of cultured human cells (also rodents)
- POIHD-04612-06 0017 Mental retardation research center - Molecular aspects of enzyme deficiency diseases (human)
- ** ROIHD-04861-05 Incidence of fetal errors of galactose metabolism (human)
- ROIHD-06353-03 0001 Inherited metabolic disorders - Screening of primates for metabolic disorders
- ** POIHD-06576-01 0004 Molecular aspects of mental retardation - Metachromatic leukodystrophy and transferase deficiency galactosemia (human)
- ** M01RR-00040-14 0075 General clinical research center - Disorders of galactose metabolism (human)
- ** M01RR-00053-13 0056 Clinical research center - Plasma insulin and growth hormone in galactosemia (human)

METABOLIC DISORDERS INBORN, GALACTOSEMIA, GALACTOKINASE DEFICIENCY

- ROIAM-20608-01 Genetic control of mammalian cell metabolism (human, hamsters)
- M01RR-00040-14 0075 General clinical research center - Disorders of galactose metabolism (human)

METABOLIC DISORDERS INBORN, GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY

- SEE ALSO METABOLIC DISORDERS INBORN, FAVISM
- SEE ALSO METABOLIC DISORDERS INBORN, PRIMAQUINE SENSITIVITY
- SEE ALSO OXIDOREDUCTASES, GLUCOSE-6-PHOSPHATE DEHYDROGENASE
- ROIAM-08173-07 Leukocyte oxidase activity and susceptibility to infection (human)
- ROIAM-02189-15 Energy metabolism of erythrocyte (human, dogs)
- ROIAM-09274-09 The mechanism of red cell aging (human, rats)
- ** ROIAM-09307-09 Study of G-6-PD isoenzymes (human)
- ** ROIAM-09805-08 Thalassemias and hemoglobinopathies and related problems (human)
- ROIAM-12413-07 Purine metabolism in gout (human, birds)
- P02AM-13430-05 0001 Research and heredity clinic - Hemolytic anemias (human)
- ** ROIAM-14898-12 Metabolic and biochemical studies of blood cells (human)
- ** ROIAM-16721-02 Hexosa monophosphate shunt in genetic disease (human)
- P02CA-05831-13 0038 Cancer clinical research - Biochemical basis of varying drug toxicity (human)
- PO1CA-11489-05 Program of epidemiological research in cancer
- ROIES-00939-01 Blood lead in children-Effect of anemia, hemoglobin S, G-6-PD
- ROIAM-06983-15 Genetic studies with cultivated mammalian cells (human, mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

P01GM-15253-08 0024 Genetics in medicine—Gene action in man - Mosaic systems as tracers in developmental studies (human, mice)
 ** P01GM-15253-08 0026 Genetics in medicine—Gene action in man - Variation at the G6PD locus
 ** P01GM-15253-08 0050 Genetics in medicine—Gene action in man - Population studies of genetic counseling (Greece)
 P01GM-19100-03 0015 Genetics research center - Developmental genetics (mice)
 R01GM-20608-01 Genetic control of mammalian cell metabolism (human, hamsters)
 R01HL-07449-12 0003 Formation and survival of red blood cells - Red cell metabolism
 R01HL-14328-03 Physiological regulation of ion transport and volume (human)
 R01HL-15125-02 Molecular pathology of genetic disorders in man
 P18HL-15157-03 0001 Comprehensive sickle cell disease center - Screening program (human)
 P18HL-15157-03 0003 Comprehensive sickle cell disease center - Audiovisual education
 ** P18HL-15157-03 0012 Comprehensive sickle cell disease center - Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human)
 P18HL-15158-03 0004 Comprehensive sickle cell disease center - The neonatal and infantile expression of Hb S (human)
 P18HL-15160-03 0006 Comprehensive sickle cell disease center - 2,3-Diphosphoglycerate in sickle cell disease (human)
 P18HL-15168-03 0001 Comprehensive sickle cell disease center - Screening program (human)
 ** P18HL-15170-03 0010 Comprehensive sickle cell disease center - Incidence of glucose-6-phosphate dehydrogenase deficiency (human)
 P18HL-16005-01 0002 Comprehensive sickle cell center of the University of Chicago - Phenotypic variability and interaction of hemoglobins (human)
 P18HL-16008-02 0003 Wayne State University comprehensive sickle cell center - Red blood cell status vs severity of disease (human)
 ** P18HL-16008-02 0004 Wayne State University comprehensive sickle cell center - Glucose-6-phosphate dehydrogenase deficiency and sickle cell anemia (human)
 R01HS-00422-05 Ecology of migrant peoples—Mississippi
 ** M01RR-00037-14 0107 General clinical research center - Evaluation of leukocyte function (human)

METABOLIC DISORDERS INBORN, GLYCOGENOSIS

SEE ALSO PHOSPHOMONESTERASES, GLUCOSE-6-PHOSPHATASES
 ** R01AI-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)
 ** P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
 ** R01AM-06815-12 0001 Inborn errors of metabolism - Carbohydrate disorders (human)
 R01AM-06815-12 0002 Inborn errors of metabolism - Lipid disorders (human)
 R01AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
 ** R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
 ** R01AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
 ** R01AM-13518-12 Unexplained hypoglycemia in children
 R01AM-14334-06 Chemical mechanism of action of insulin (human, rats, rabbits)
 ** R01AM-15465-03 Normal and pathological lysosomal metabolism (rats)
 R01AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
 ** R01GM-04761-18 Metabolism of polysaccharides (human, rabbits)
 ** P01GM-19100-03 0007 Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)
 ** P01GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
 R01HD-00193-19 Mechanisms of genetic control of abnormal development (mice)
 P01HL-07896-13 0005 Environmental biomedical research program - Pediatrics
 M01HV-12437-05 Therapy for hypertension in the general population
 ** M01RR-00030-13 0001 General clinical research center - Glycogen storage disease (human)
 ** M01RR-00036-14 0082 General clinical research center - Hepatomegaly secondary to glycogen storage disease (human)
 M01RR-00040-14 0061 General clinical research center - Inherited neuromuscular disorders (human)
 ** M01RR-00046-14 0011 General clinical research center - Glycogen storage disease (human)
 ** M01RR-00051-13 0124 General clinical research center - Treatment of glycogen storage diseases by portal blood diversion (human)

** M01RR-00054-13 0058 General clinical research center - Hyperlactacidemia disease in glycogen storage (human)
 ** M01RR-00056-13 0015 General Clinical Research Center - Glycogen storage diseases (human)
 ** M01RR-00062-12 0047 Clinical research center, children - Glycogen storage disease treated with diet enriched in medium chain triglyceride
 ** M01RR-00054-10 0028 General clinical research center - Dilantin treatment of glycogen storage disease (human)
 ** M01RR-00064-10 0074 General clinical research center - Dilantin in treatment of glycogen storage disease (human)
 ** M01RR-00069-12 0044 General clinical research center, children - Portal caval shunting in glycogen storage disease
 ** M01RR-00069-12 0091 General clinical research center, children - Study of a possible storage disease
 M01RR-00069-12 0003 General clinical research center, children - Assessing growth hormone, free-fatty acid feedback loop
 ** M01RR-00084-12 0005 General clinical research center - children - Glycogen storage disease
 ** M01RR-00086-12 0002 General clinical research center - children - Portacaval anastomosis in glycogen storage disease (GSD), type I
 ** M01RR-00123-11 0007 General clinical research center - Children - Generalized glycogen storage disease
 M01RR-00123-11 0021 General clinical research center - Children - Plasma infusion in type II GSD and other lysosomal diseases
 ** M01RR-00125-11 0197 General clinical research center - adult-child - Chronic liver diseases
 ** M01RR-00240-10 0096 General clinical research center - Children - Glycogen storage disease
 ** M01RR-00261-09 0061 General clinical research center - Glycogen storage disease
 ** M01RR-00305-08 0018 Clinical research center for children - Diazoxide in treatment of Von Gierke disease
 ** M01RR-00645-03 0037 Clinical research center - Enzyme defects in carbohydrate and protein disorders of the liver (human)
 ** M01RR-00645-03 0068 Clinical research center - Biochemical characteristics of glycogen storage disease (human)
 ** M01RR-00749-02 0049 General clinical research center - Treatment of glycogen storage disease, type I (human)

METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE II

R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
 R01AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
 ** P01GM-19100-03 0024 Genetics research center - Biochemical differences in variant type II glycogen storage disease (human)
 M01RR-00123-11 0007 General clinical research center - Children - Generalized glycogen storage disease
 ** M01RR-00123-11 0021 General clinical research center - Children - Plasma infusion in type II GSD and other lysosomal diseases
 ** M01RR-00123-11 0033 General clinical research center - Children - Type II glycogenesis—Normalization of hepatic ultrastructure

METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE III

R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)

METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE V

R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
 R01AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
 R01AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
 R01NS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)
 ** P01NS-11766-01 0013 Clinical research center for neuromuscular disease - Pathophysiology of dystrophic muscle (human)
 ** M01RR-00031-14 0061 General clinical research center - McArdle disease with unusual enzyme abnormalities (human)

METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE VI

R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)

METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE VII

R01AM-16194-03 Structure and function of phosphofructokinase (rabbits, chickens, human)
 ** P01GM-19513-03 0002 Human genetics - New biochemical tools in genetic diagnosis

METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE VIII

P01HD-05523-04 0001 Analysis of genetic effects on aging - Longevity of inbred mice
 M01RR-00123-11 0007 General clinical research center - Children - Generalized glycogen storage disease

METABOLIC DISORDERS INBORN, HARTNUP DISEASE

R01AM-01392-18 0003 Structure and function of intestinal cell membranes - Transport studies in experimental and clinical disorders
 R01AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 R01AM-14038-05 Intestinal protein metabolism and function (human, rats)
 R01NS-05096-11 0007 New amino acid disorders in cerebral disease - Amino acid transport disorders in infancy and childhood
 ** M01RR-00036-14 0079 General clinical research center - Transport defects in Hartnups disease (human)

METABOLIC DISORDERS INBORN, HEMOCHROMATOSIS

R01AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
 ** R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
 R01AM-12381-07 Iron in cell pathology (rats)
 ** R01AM-16452-01 Control and disorder of iron metabolism (human)
 P01GM-19409-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 R01NS-06856-08 Storage disease—Intracellular transport and digestion (human, animals, plants)
 ** M01RR-00040-14 0097 General clinical research center - Bone and joint alterations in hemochromatosis (human)
 ** M01RR-00080-12 0051 General clinical research center - Familial hemochromatosis (human)
 ** M01RR-00095-14 0015 General clinical research center - Circadian rhythm in red cell production
 ** M01RR-00833-01 0024 General clinical research center - Hemopexin in diseases of aberrant porphyrin and iron metabolism (human)
 ** M01RR-00833-01 0025 General clinical research center - Gastrointestinal iron loss in hemochromatosis (human)

METABOLIC DISORDERS INBORN, HEPATOINTOXIC DEGENERATION

R01AM-01059-19 Hereditary defects in protein synthesis (human, rats)
 ** R01AM-03932-14 Copper metabolism in the rat
 R01AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
 ** R01AM-14784-03 Physiology of copper and zinc in Wilson disease (human)
 R01AM-15465-03 Normal and pathological lysosomal metabolism (rats)
 ** R01AM-16412-01 Bioinorganic and medical aspects of Cu-cystinates
 ** R01AM-17486-01 Identification of carrier state of Wilson's disease (human)
 P17AM-17702-01 0010 Hepatitis cirrhosis center - Organelle pathology in liver (human, rats)
 P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 R01NS-06856-08 Storage disease—Intracellular transport and digestion (human, animals, plants)
 ** M01RR-00039-14 0082 General clinical research center - Renal tubular transport in Wilson's disease (human)
 ** M01RR-00050-13 0001 Wilson's disease - Wilsons disease
 M01RR-00051-13 0001 General clinical research center - Organ transplantation—Liver homotransplantation
 ** M01RR-00051-13 0143 General clinical research center - Triethylene tetramine dihydrochloride in Wilson's disease (human)
 ** M01RR-00064-10 0002 General clinical research center - Copper metabolism in human subjects
 M01RR-00064-10 0006 General clinical research center - Disorders of hemoglobin synthesis (human)
 ** M01RR-00069-12 0014 General clinical research center, children - Investigation of Wilson's disease
 M01RR-00069-12 0080 General clinical research center, children - Homotransplantation of the liver
 ** M01RR-00082-12 0075 General clinical research center - Wilson's syndrome (human)
 ** M01RR-00128-10 0039 General clinical research center for children - Effect of penicillamine on cirrhosis in Wilson's disease
 ** M01RR-00240-10 0111 General clinical research center - Children - Long-term follow-up in Wilson's disease
 ** M01RR-00585-03 0006 General clinical research center - Long term study of Wilsons disease (human)

METABOLIC DISORDERS INBORN, HYPERLIPOPROTEINEMIAS FAMILIAL

R01AM-08749-10 Cholesterol metabolism in the intact animal (baboons)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-01803-20 0012 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Inheritance of abnormal lipoprotein patterns (rabbits)
- R01HL-15514-01 Removal mechanisms and plasma lipoprotein homeostasis (rabbits, human)
- R01HL-16364-01 0003 Regulation of lipid biosynthesis and transport - Genetic basis of hormone mediated regulation (rats)
- R01HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)
- R01HL-16634-09 0001 Regulation of metabolism in fibroblasts and platelets - Regulation of fatty acid biosynthesis in skin fibroblasts (human, mice, rats)
- ** M01RR-00068-12 0012 General clinical research center - Genetics of familial hyperlipoproteinemia (human)
- ** M01RR-00084-12 0004 General clinical research center - Juvenile diabetes mellitus
- ** M01RR-00084-12 0025 General clinical research center - Lipid abnormalities and relationship to arteriosclerosis
- ** M01RR-00133-10 0036 General clinical research center - Lipid metabolism in hyperlipemia and diabetes mellitus (human)
- ** M01RR-00305-08 0084 Clinical research center for children - Hyperlipemia

METABOLIC DISORDERS INBORN,**HYPERLIPOPROTEINEMIAS FAMILIAL, TYPE I**

- ** R01AM-05968-14 0003 Lipid metabolism (human, rats) - Turnover and metabolism of cholesterol (human)
- R01AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
- P01GM-19513-03 0010 Human genetics - Incidence and prevalence of inherited disease
- R01HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
- R01HL-06481-12 Lipid metabolism (human, rats)
- P17HL-14237-04 0005 Arteriosclerosis center - Hyperlipoproteinemia in a defined population (human)
- ** P17HL-14237-04 0006 Arteriosclerosis center - Drug treatment of familial hyperbeta lipoproteinemia (human)
- R01HL-15336-01 Lipoprotein lipase and related lipolytic activities (human)
- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)

METABOLIC DISORDERS INBORN,**HYPERLIPOPROTEINEMIAS FAMILIAL, TYPE II**

- R01AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
- ** R01AM-12402-07 Regulation of enzymes in mevalonate synthesis (yeasts, human, rats)
- ** R01AM-16398-01 Lipid composition of cultured human skin fibroblasts (children, adults)
- ** P01GM-15253-08 0004 Genetics in medicine - Gene action in man - Blood, serum and enzyme population
- P01HL-06350-13 0016 Hemostasis research program project - Medical genetics not concerned with hemostasis (dogs)
- P01HL-08805-10 0011 Cardiovascular and pulmonary performance - Hyperlipidemia and atherosclerosis (human, animals)
- ** R01HL-11901-07 0001 Ileal bypass effect on cholesterol and atherosclerosis - Clinical ileal bypass program
- ** R01HL-11901-07 0009 Ileal bypass effect on cholesterol and atherosclerosis - Cholesterol cord blood and family management program
- ** R01HL-14087-04 Normal and abnormal low density lipoproteins (human)
- P17HL-14230-04 0054 Lipids, atherosclerosis and thrombosis - Hypolipidemia in hypercholesterolemic patients
- P17HL-15062-03 0001 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins (human, monkeys)
- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)
- R01HL-15949-01 Lipoprotein metabolism in relation to atherosclerosis (baboons, chickens, human)
- R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- R01HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)
- ** R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- M01RR-00030-13 0120 General clinical research center - Estimation of cholesterol and bile acid turnover in man
- ** M01RR-00036-14 0060 General clinical research center - Turnover of beta-lipoprotein in familial type II hyperlipoproteinemia (human)
- ** M01RR-00052-13 0042 General clinical research center for children - Treatment of lipoproteinemia
- ** M01RR-00059-13 0022 General clinical research center - Cholesterol absorption in hypercholesterolemia II (human)
- M01RR-00059-13 0067 General clinical research center - Excretion of animal and plant sterols from skin of man
- M01RR-00059-13 0108 General clinical research center - Para-aminosalicylic acid as a hypolipoproteinemic agent (human)

- ** M01RR-00068-12 0010 General clinical research center - Familial hypertriglyceridemia (children)
- M01RR-00068-12 0012 General clinical research center - Genetics of familial hyperlipoproteinemia (human)
- ** M01RR-00069-12 0063 General clinical research center, children - Tolerance tests in hyperlipidemic diseases
- ** M01RR-00069-12 0071 General clinical research center, children - Detection of hypercholesterolemia in neonates
- ** M01RR-00082-12 0104 General clinical research center - Metabolic study of children with hyperlipidemia Type II
- M01RR-00088-11 0040 General clinical research center - Non-invasive cardiovascular diagnoses (human)
- ** M01RR-00261-09 0035 General clinical research center - Ileal bypass in familial hypercholesterolemia (human)
- ** M01RR-00350-08 0093 General clinical research center - Mechanism of familial homozygous type II hyperlipoproteinemia (human)
- ** M01RR-00827-01 0005 General clinical research center - Lipoprotein turnover in dietary responsive type II hyperlipoproteinemia

METABOLIC DISORDERS INBORN,**HYPERLIPOPROTEINEMIAS FAMILIAL, TYPE III**

- R01HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
- ** R01HL-06481-12 Lipid metabolism (human, rats)
- ** R01HL-14087-04 Normal and abnormal low density lipoproteins (human)
- R01HL-15336-01 Lipoprotein lipase and related lipolytic activities (human)
- ** R01HL-15648-02 Lipid metabolism - Human triglyceride lipases (rabbits)
- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)
- R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- R01HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)
- ** R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- ** M01RR-00064-10 0046 General clinical research center - Hyperlipidemia in monoclonal gammopathy (human)

METABOLIC DISORDERS INBORN,**HYPERLIPOPROTEINEMIAS FAMILIAL, TYPE IV**

- R01HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
- P01HL-08805-10 0011 Cardiovascular and pulmonary performance - Hyperlipidemia and atherosclerosis (human, animals)
- ** R01HL-14087-04 Normal and abnormal low density lipoproteins (human)
- ** P17HL-14230-04 0047 Lipids, atherosclerosis and thrombosis - Alcohol on hyperbeta lipoproteinemia (human)
- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)
- ** R01HL-16058-01 Metabolism of lipids in cultured cells (human)
- R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- R01HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)
- ** R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- ** M01RR-00042-14 0062 General clinical research center - Motility in hyperlipoproteinemia type IV (human)
- ** M01RR-00049-13 0024 General clinical research center - Type IV hyperlipidemia in 18 month infant (human)
- ** M01RR-00059-13 0024 General clinical research center - Effect of dietary carbohydrate on serum triglyceride (human)
- M01RR-00068-12 0012 General clinical research center - Genetics of familial hyperlipoproteinemia (human)
- ** M01RR-00068-12 0051 General clinical research center - Musculoskeletal disorders in type IV hyperlipidemia (human)
- M01RR-00069-12 0093 General clinical research center, children - Assessing growth hormone, free-fatty acid feedback loop
- ** M01RR-00350-08 0092 General clinical research center - Genetic determinants of familial hyperlipoproteinemia types IV and V (human)

METABOLIC DISORDERS INBORN,**HYPERLIPOPROTEINEMIAS FAMILIAL, TYPE V**

- R01HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
- ** R01HL-14087-04 Normal and abnormal low density lipoproteins (human)
- ** P17HL-14230-04 0049 Lipids, atherosclerosis and thrombosis - Dietary fat modification in type V hyperlipidemia (human)
- R01HL-15336-01 Lipoprotein lipase and related lipolytic activities (human)

- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)
- ** R01HL-16058-01 Metabolism of lipids in cultured cells (human)
- R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- ** R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- ** M01RR-00059-13 0094 General clinical research center - Dietary fat, serum lipids in type V hyperlipemia, familial pancreatitis (human)
- ** M01RR-00350-08 0092 General clinical research center - Genetic determinants of familial hyperlipoproteinemia types IV and V (human)

**METABOLIC DISORDERS (INBORN),
HYPEROXALURIA AND OXALOSIS**

- ** P02AM-06908-12 0010 Digestive and hepato-biliary function - Enteric aspect of enterohepatic circulation of bile acids
- ** R01AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)
- ** R01AM-12960-05 Oxalic acid metabolism and primary hyperoxaluria (rats, human)
- ** R01AM-13857-04 Lithocholate and human liver disease (monkeys)
- R01AM-17551-02 Enzymatic and nonenzymatic reactions of glyoxylate (animals, plants, bacteria)
- M01RR-00037-14 0123 General clinical research center - Structure and function of mucosa of GI tract (human)
- ** M01RR-00083-12 0023 General clinical research center - Hyperoxaluria and bowel disease (human)

**METABOLIC DISORDERS (INBORN),
HYPEROXALURIA AND OXALOSIS,
HYPEROXALURIA I**

- R01AM-12960-05 Oxalic acid metabolism and primary hyperoxaluria (rats, human)

**METABOLIC DISORDERS (INBORN),
HYPEROXALURIA AND OXALOSIS,
HYPEROXALURIA II**

- R01AM-12960-05 Oxalic acid metabolism and primary hyperoxaluria (rats, human)

**METABOLIC DISORDERS INBORN,
HYPOGLYCEMIA LEUCINE INDUCED**

- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
- M01RR-00030-13 0039 General clinical research center - Infantile idiopathic hypoglycemia (human)
- M01RR-00086-12 0019 General clinical research center - children - Intractable hypoglycemia of infancy

**METABOLIC DISORDERS INBORN,
HYPOLIPOPROTEINEMIAS FAMILIAL**

- ** R01HL-10316-09 Structural studies on serum lipoproteins (human)
- ** M01RR-00123-11 0039 General clinical research center - Children - Liver morphology in abetalipoproteinemia and hypobetalipoproteinemia

**METABOLIC DISORDERS INBORN,
HYPOLIPOPROTEINEMIAS FAMILIAL,
ABETALIPOPROTEINEMIA**

- R01AM-16453-02 Chylomicron-formation, structure and function
- ** R01HL-06481-12 Lipid metabolism (human, rats)
- R01HL-07652-12 Destruction of red blood cells in hemolytic anemias (human, primates)
- P17HL-15062-03 0001 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins (human, monkeys)
- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)
- P01HL-16851-01 0001 Human red cell membrane in health and disease - Rheology of erythrocyte membrane (human, animals)
- P01HL-16851-01 0006 Human red cell membrane in health and disease - Hexose transport and erythrocyte membrane proteins (human)
- M01RR-00031-14 0067 General clinical research center - Genetic study of neurologic disease (human)
- ** M01RR-00123-11 0039 General clinical research center - Children - Liver morphology in abetalipoproteinemia and hypobetalipoproteinemia

**METABOLIC DISORDERS INBORN,
HYPOLIPOPROTEINEMIAS FAMILIAL, TANGHER
DISEASE**

- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)

**METABOLIC DISORDERS INBORN,
HYPOPHOSPHATASIA**

- SEE ALSO PHOSPHOMONESTERASES, ALKALINE PHOSPHATASE
- R01AM-13660-04 Pathology of biomedical disorders in vitro
- ** P01AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01GM-21054-01 0008 Human genetics center - New genetic syndromes
 R01HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
 ** M01RR-00064-10 0042 General clinical research center - Hypophosphatasia (human)
 ** M01RR-00261-09 0093 General clinical research center - Hypophosphatasia (human)
 R24RR-00612-05 Resource-related research-computer and chemistry
 ** M01RR-00628-04 0041 General clinical research center for children - Study of patients with hypophosphatasia
 ** M01RR-00750-02 0014 General clinical research center - Characterization of new genetic syndromes in man

METABOLIC DISORDERS (INBORN),**MAINOGLYCIURIA**

- R01NS-05096-11 0007 New amino acid disorders in cerebral disease - Amino acid transport disorders in infancy and childhood

METABOLIC DISORDERS INBORN, KINKY HAIR SYNDROME

- P17AM-17702-01 0010 Hepatitis cirrhosis center - Organellar pathology in liver (human, rats)
 P01HD-04147-06 0009 Research in mental retardation - Metabolic research unit
 R01NS-06856-08 Storage disease-Intracellular transport and digestion (human, animals, plants)
 ** M01RR-00052-13 0040 General clinical research center for children - Menke's kinky hair syndrome
 ** M01RR-00069-12 0098 General clinical research center, children - Menkes kinky hair syndrome
 ** M01RR-00125-11 0196 General clinical research center-adult-child - Copper metabolism in Menke's kinky hair syndrome
 ** M01RR-00188-10 0078 General clinical research center for children - Copper metabolism in Menke's kinky hair syndrome

METABOLIC DISORDERS INBORN, LCAT**DEFICIENCY**

- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 R01HD-08968-01 Definitions and mechanism of hyperlipemia in pregnancy (human, rats)
 R01HL-10642-14 Plasma cholesterol metabolism (human, monkeys)

METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES

SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES

- ** P01HD-02274-08 0147 Mental retardation and child development - Study of leukodystrophies (human)
 ** P01HD-02274-08 0148 Mental retardation and child development - Genetic aspects of the leukodystrophies
 P01HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 P01HD-06276-03 0037 Mental retardation research program - Abnormalities in sterol ester metabolism in brain diseases (human, monkeys)
 ** P01HD-06276-03 0050 Mental retardation research program - Effects of irradiation upon myelinating telencephalon (rats)
 P01NS-03356-14 0044 Neurological clinical research center - Beta galactosidases (children, dogs)
 ** R01NS-06938-09 Metabolic diseases of the brain (human, rats)
 P01NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
 R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
 R01NS-10344-01 Myelin constituents in murine leukodystrophy (mice)
 ** R01NS-10885-02 Chemical pathology of neurological disorders (human, dogs)
 ** R01NS-12044-01 Myelin constituents in murine leukodystrophy
 P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)

METABOLIC DISORDERS INBORN,**LEUKODYSTROPHIES, KRABBE'S DISEASE**

- P01HD-02274-08 0148 Mental retardation and child development - Genetic aspects of the leukodystrophies
 ** P01HD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
 P01HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
 R01HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)
 R01HD-07773-01 Beta-galactosidase activity related to mental retardation (human)
 ** R01NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
 P01NS-04513-11 0009 Coordinated basic and clinical brain research program - Development of nerve terminals in explants of cerebellum (mice)

- R01NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 ** R01NS-06756-07 Developmental nervous disorders-Krabbes disease (dogs)
 R01NS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
 R01NS-10698-01 Beta-galactosidase isoenzymes (human)
 R01NS-10803-03 Experimental pathology of developing nervous system (rodents)
 ** R01NS-10885-02 Chemical pathology of neurological disorders (human, dogs)
 ** R01NS-11119-01 Sphingolipid metabolism in selected human tissues (human)
 M01RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
 ** M01RR-00284-08 0011 General clinical research center-pediatric - Effect of vitamin A on metachromic and globoid leukodystrophy

METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES, METACHROMATIC LEUCOENCEPHALOPATHY

SEE ALSO GLYCOSPHINGOLIPIDS, CEREBROSIDES SULFATES

- ** P01GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
 ** P01HD-02274-08 0147 Mental retardation and child development - Study of leukodystrophies (human)
 ** P01HD-04147-06 0020 Research in mental retardation - Metachromatic leukodystrophy associate with multiple sulfatase deficiency (human)
 ** P01HD-04583-06 0013 Mental retardation research center - New sphingolipidoses (human)
 ** P01HD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
 ** P01HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
 R01HD-05196-04 An approach to human development with cell hybrids (human, mice)
 ** P01HD-06576-01 0004 Molecular aspects of mental retardation - Metachromatic leukodystrophy and transferase deficiency galactosemia (human)
 R01NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 ** R01NS-07701-08 Genetically-determined neurological diseases (human, dogs, rabbits)
 R01NS-09479-03 Studies of human arylsulfatase A (normal urine)
 R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
 ** R01NS-10473-03 0001 Brain lipids in diffuse demyelinating disease - Metachromatic leukodystrophy in multiple sulfatase deficiency (human)
 ** R01NS-11119-01 Sphingolipid metabolism in selected human tissues (human)
 ** R01NS-11665-01 Metachromatic leukodystrophy in cultured cell systems (human, rats)
 ** M01RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
 ** M01RR-00069-12 0011 General clinical research center, children - Metachromatic leukodystrophy
 ** M01RR-00199-10 0061 General clinical research center for children - Metachromatic leukodystrophy
 ** M01RR-00284-08 0011 General clinical research center-pediatric - Effect of vitamin A on metachromic and globoid leukodystrophy

METABOLIC DISORDERS INBORN, LIPID**(NEUTRAL) STORAGE**

SEE ALSO LIPOGRANULOMATOSES, CEREBROTENDINOUS

XANTHOMATOSIS

SEE ALSO NERVOUS DISORDERS PERIPHERAL HEREDITARY,

REFSUM'S SYNDROME

- R01AM-17210-01 Role of lysosomes in Chediak-Higashi syndrome (beige mice)
 P01GM-20130-01 0003 Clinical genetics research center - Mental retardation
 P01HD-02528-08 0083 Research center in mental retardation - Detection of brain destruction by serum isocitric dehydrogenase (human)
 R01NS-09626-04 Glycosidases related to sphingolipidoses (primates, plants, rabbits, human)
 R01NS-10803-03 Experimental pathology of developing nervous system (rodents)
 P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)

METABOLIC DISORDERS INBORN, LIPID**(NEUTRAL) STORAGE, CHOLESTEROL ESTER STORAGE DISEASE**

- R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)

METABOLIC DISORDERS INBORN, LIPID**(NEUTRAL) STORAGE, WOLMAN'S DISEASE**

- P01HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)

METABOLIC DISORDERS INBORN, LIPOCHONDRODYSTROPHY

- P01AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
 R01AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
 R01AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
 R01AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
 R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
 ** R01AM-17020-02 Isolation of Hurler's corrective factor from serum (human)
 R01AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
 R01EY-00772-03 Histochemistry of corneal disease in tissue culture
 ** P01GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
 ** P01GM-18252-04 0003 Automation of ultramicroanalyses of macromolecules - Medical-clinical (human, mice)
 ** P01GM-19443-03 0042 Problems in clinical genetics - Hurler's syndrome (human)
 ** R01HD-04331-04 Mental retardation-Defect in Hurler syndrome (human, dogs, rats)
 M P01HD-04583-06 Mental retardation research center
 ** P01HD-04583-06 0006 Mental retardation research center - L-iduronidase (human)
 ** P01HD-04583-06 0007 Mental retardation research center - Lysosomal enzymes in fibroblasts (human)
 ** P01HD-04583-06 0009 Mental retardation research center - Prenatal diagnosis (human)
 ** P01HD-05342-04 0018 Mental retardation and brain development - Lipid and mucopolysaccharide storage diseases, animal model (rat)
 P01HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 P01HL-07896-13 0005 Environmental biomedical research program - Pediatrics
 P01HL-11310-08 0041 Mechanisms of cardiovascular disease - Structure and metabolism of proteoglycans (human, rabbits)
 ** M01RR-00030-13 0003 General clinical research center - Hurler's syndrome (human)
 ** M01RR-00047-14 0004 General clinical research center - Degradation of monopolysaccharides by leukocyte transfusions (human)
 ** M01RR-00047-14 0069 General clinical research center - Genetic mucopolysaccharidoses (human)
 M01RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
 M01RR-00064-10 0013 General clinical research center - Disorders of mucopolysaccharide metabolism (human)
 M01RR-00075-11 0015 General clinical research center for children - Delineation of the chondrodystrophies
 M01RR-00080-12 0086 General clinical research center - Metabolism of carbohydrate containing macromolecules in human white blood culture
 ** M01RR-00199-10 0055 General clinical research center for children - Effect of plasma infusion on Hurler's syndrome
 ** M01RR-00305-08 0017 Clinical research center for children - Hurler-Hunter syndrome and other mucopolysaccharidoses
 M01RR-00722-02 0018 General Clinical Research Center - Skeletal dysplasia (human)
 ** M01RR-00749-02 0029 General clinical research center - Effects of plasma administration in mucopolysaccharidoses (human)

METABOLIC DISORDERS INBORN, LYSOSOMAL DISORDERS

SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, PHAGOCYTE DYSFUNCTION (GENERAL)

SEE ALSO CONNECTIVE TISSUE DISORDERS, ALEUTIAN MINK DISEASE

SEE ALSO LIPOGRANULOMATOSES, FARBBER'S DISEASE
 SEE ALSO METABOLIC DISORDERS INBORN, ACATALASEMIA
 SEE ALSO METABOLIC DISORDERS INBORN,

AMINOACIDOPATHIES, CYSTINOSIS
 SEE ALSO METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME

SEE ALSO METABOLIC DISORDERS (INBORN), CHRONIC GRANULOMATOUS DISEASE (OF CHILDREN)

SEE ALSO METABOLIC DISORDERS INBORN, LYCOGENOSIS
 SEE ALSO METABOLIC DISORDERS INBORN,

HYPOPHOSPHATASIA
 SEE ALSO METABOLIC DISORDERS INBORN, LIPID (NEUTRAL) STORAGE

SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS
 SEE ALSO METABOLIC DISORDERS INBORN,

MUCOPOLYSACCHARIDOSIS, I-CELL DISEASE
 SEE ALSO METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS

SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
 PO1AM-13385-06 Cystic fibrosis
 RO1AM-14531-04 Metabolism of the developing small intestine (rats)
 RO1AM-14770-04 Genetic control of mammalian enzyme expression (mice)
 RO1AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
 ** RO1AM-15465-03 Normal and pathological lysosomal metabolism (rats)
 RO1AM-17210-01 Role of lysosomes in Chediak-Higashi syndrome (beige mice)
 RO1AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
 RO1CA-07489-11 Biochemical studies on lysosomes and related enzymes (rats, protozoa)
 PO1CA-08748-09 6525 Research program of Sloan-Kettering Institute - Lysosomes in mice with Chediak-Higashi syndrome
 PO1CA-10815-06 0070 Consolidated basic cancer research program - Structure-function relationships of lysosomes (mammals)
 RO1CA-12858-03 Biogenesis of lysosomes—Normal and neoplastic tissue (rats)
 RO1DE-03766-02 Lysosomal enzymes and etiology of periodontitis
 RO1GM-04761-18 Metabolism of polysaccharides (human, rabbits)
 PO1GM-19513-03 0001 Human genetics - Clinical genetics
 PO1GM-19521-03 0002 Genetic study of mammalian control systems - Properties of single lysosomes and membrane fragments (mice, human)
 PO1GM-19521-03 0006 Genetic study of mammalian control systems - Somatic cell genetics of lysosomal enzymes (mice, human)
 PO1GM-21096-01 Enzyme therapy in lysosomal storage diseases
 PO1GM-21096-01 0003 Enzyme therapy in lysosomal storage diseases - Lysosomal enzyme biosynthesis and uptake (rats)
 PO1GM-21096-01 0005 Enzyme therapy in lysosomal storage diseases - Structural studies on human beta-glucuronidase (from platelets, placenta)
 PO1HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
 PO1HD-04807-05 0005 Genetic and cytogenetic studies of mental retardation - Purification and characterization of human lysosomal hydrolases
 PO1HD-05894-04 0008 Genetic childhood diseases and aging - Enzyme mutants in neutrophil dysfunction syndrome (human)
 PO1HD-06276-03 0014 Mental retardation research program - Lysosomal enzymes and inherited diseases (human, mice)
 RO1HD-06285-03 Genetic studies of lysosomal disorders (human)
 PO1HD-06321-02 0001 Genetic aspects of human fetal development - Inherited metabolic diseases in the fetus (human, dogs)
 P17H-14177-04 0004 Center for prevention and treatment of atherosclerosis - Role of lysosomes in atherogenesis (swine)
 RO1HR-15140-01 Lysosomal proteases and chronic obstructive pulmonary disease
 RO1INS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
 RO1INS-06856-08 Storage disease—Intracellular transport and digestion (human, animals, plants)
 RO1INS-11238-01 Mannoosidosis—A model for lysosomal storage diseases
 ** MO1RR-00123-11 0021 General clinical research center—Children - Plasma infusion in type II GSD and other lysosomal diseases
 MO1RR-00188-10 0063 General clinical research center for children - Disturbances in lysosomal function
 ** MO1RR-00199-10 0064 General clinical research center for children - Immunosuppressive therapy for lysosomal enzyme deficiency disorders
 MO1RR-00305-08 0040 Clinical research center for children - Inborn error of glycosphingolipid and mucopolysaccharide metabolism

METABOLIC DISORDERS INBORN, MARFAN SYNDROME

- RO1AM-00149-22 0005 Mucopolysaccharides in skeletal growth disorders - Extraction and purification of proteoglycans of iliac crest cartilage
 PO2AM-04501-13 0016 Metabolic disease research center - Genetic disorders of collagen metabolism (human)
 PO1AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 RO1AM-15287-03 Cartilage production in cell culture (chick embryo, human)
 RO1AM-15656-03 Molecular pathology of heritable disorders (human, mice)
 ** RO1AM-16127-04 Pathologic synthesis of collagen (human, rats)
 RO1AM-16506-02 Chemistry and biology of normal and abnormal collagens (human)

- PO1AM-16516-03 0006 Biochemistry of normal and diseased connective tissue - Scleroderma and related conditions (human)
 RO1AM-17128-01 Collagen and elastin of connective tissue disease
 RO1AM-17535-01 High resolution separations of glycosaminoglycans
 PO1EY-00227-13 0013 The posterior segment of the eye - Retinal detachment and related conditions (human)
 ** PO1GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
 ** PO1GM-19489-03 0004 Study of human genetics - Estimating the background contribution to Mendelian metrical traits
 PO1GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
 ** PO1GM-19489-03 0020 Study of human genetics - Genetic linkage studies with deleterious autosomal dominant phenotypes
 ** PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 RO1HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
 PO1HD-07376-01 0002 Fibroblasts and connective tissues in development - Collagen alterations in development, maturation, aging and disease (human)
 MO1RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
 MO1RR-00261-09 0010 General clinical research center - Diagnosis of connective tissue disorders (human)
 ** MO1RR-00722-02 0017 General Clinical Research Center - Heritable disorders of connective tissue (human)

METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS

- SEE ALSO METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
 SEE ALSO METABOLIC DISORDERS INBORN, LIPOCHONDRODYSTROPHY
 SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
 SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE GM1
 ** PO2AJ-06320-10 0006 Transplantation immunology center - Treatment of Storage Disease' with lymphoid and bone marrow infusions (human)
 ** PO1AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 RO1AM-06815-12 0001 Inborn errors of metabolism - Carbohydrate disorders (human)
 RO1AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
 RO1AM-10811-09 Glycosaminoglycans in health and disease status
 RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
 RO1AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
 ** RO1AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
 RO1AM-17535-01 High resolution separations of glycosaminoglycans
 RO1AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
 P11GM-15956-07 0044 Factors affecting the responses to drugs - Teratogenesis caused by chemotherapy (children)
 ** PO1GM-17702-05 0003 Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)
 PO1GM-18252-04 0001 Automation of ultramicroanalyses of macromolecules - Biophysical cytochemistry (human, mice)
 PO1GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
 ** PO1GM-18252-04 0003 Automation of ultramicroanalyses of macromolecules - Medical-clinical (human, mice)
 PO1GM-18252-04 0006 Automation of ultramicroanalyses of macromolecules - Microspectrofluorimetry
 PO1GM-18252-04 0007 Automation of ultramicroanalyses of macromolecules - Biochemistry (human)
 ** PO1GM-18252-04 0008 Automation of ultramicroanalyses of macromolecules - Medical and biochemical genetics (human)
 ** PO1GM-19100-03 0007 Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)
 ** PO1GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
 ** PO1GM-19489-03 0011 Study of human genetics - Structure of intrafibroblastic collagen (mice, human)
 ** PO1GM-19489-03 0012 Study of human genetics - Treatment of the mucopolysaccharidoses by plasma
 ** PO1GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
 M PO1GM-21096-01 Enzyme therapy in lysosomal storage diseases
 ** PO1GM-21096-01 0001 Enzyme therapy in lysosomal storage diseases - Clinical, animal and cell culture studies of enzyme replacement

- ** PO1GM-21096-01 0002 Enzyme therapy in lysosomal storage diseases - Immunological studies of enzyme replacement therapy (human, rabbits)
 ** PO1GM-21096-01 0005 Enzyme therapy in lysosomal storage diseases - Structural studies on human beta-glucuronidase (from platelets, placenta)
 RO1HD-08193-19 Mechanisms of genetic control of abnormal development (mice)
 ** PO1HD-03352-07 0016 Wisconsin center on mental retardation - Inhibition of beta-galactosidase by beta-galactol (rats)
 ** RO1HD-04331-04 Mental retardation—Defect in Hurler syndrome (human, dogs, rats)
 M PO1HD-04583-06 Mental retardation research center
 PO1HD-04583-06 0006 Mental retardation research center - L-Iduronidase (human)
 ** PO1HD-04583-06 0009 Mental retardation research center - Prenatal diagnosis (human)
 PO1HD-04583-06 0011 Mental retardation research center - Biochemistry of mucopolysaccharides (human, rabbits)
 ** PO1HD-04665-04 0008 Metabolic abnormalities in mental retardation - Pathology and metabolic aspects of the mucopolysaccharidoses (rats, human)
 PO1HD-05221-05 0031 Center grant in mental retardation - Teratology and genetics (mice, hamsters, rats, primates)
 PO1HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 PO1HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)
 ** PO1HD-07110-02 0029 Biomedical center for population research - Mucopolysaccharides and inherited diseases of connective tissue (human)
 ** RO1MS-07701-00 Genetically-determined neurological diseases (human, dogs, rabbits)
 ** RO1MS-10473-03 0001 Brain lipids in diffuse demyelinating disease - Macrochromatolysis in multiple sulfatase deficiency (human)
 MO1RR-00036-13 0003 General clinical research center - Hurler's syndrome (human)
 ** MO1RR-00032-14 0065 General clinical research center - Mucopolysaccharide metabolism in marfan syndrome
 ** MO1RR-00037-14 0121 General clinical research center - Disorders of mucopolysaccharide metabolism (human)
 ** MO1RR-00047-14 0004 General clinical research center - Degradation of mucopolysaccharides by leukocyte transfusions (human)
 MO1RR-00047-14 0069 General clinical research center - Genetic mucopolysaccharidoses (human)
 ** MO1RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
 ** MO1RR-00052-13 0048 General clinical research center for children - Mucopolysaccharidoses
 ** MO1RR-00063-12 0013 General clinical research center - Degradation of sulfated mucopolysaccharides in mucopolysaccharidoses (human)
 ** MO1RR-00064-10 0013 General clinical research center - Disorders of mucopolysaccharide metabolism (human)
 MO1RR-00071-11 0056 General clinical research center - Clinical genetics center (human)
 MO1RR-00075-11 0015 General clinical research center for children - Delineation of the chondrodysplasias
 MO1RR-00123-11 0021 General clinical research center—Children - Plasma infusion in type II GSD and other lysosomal diseases
 ** MO1RR-00125-11 0233 General clinical research center—adult-child - Treatment of mucopolysaccharidoses by plasma infusion
 ** MO1RR-00305-08 0017 Clinical research center for children - Hurler-Hunter syndrome and other mucopolysaccharidoses
 ** MO1RR-00305-08 0040 Clinical research center for children - Inborn error of glycosphingolipid and mucopolysaccharide metabolism
 ** MO1RR-00722-02 0017 General Clinical Research Center - Heritable disorders of connective tissue (human)
 ** MO1RR-00827-01 0032 General clinical research center - Therapy of inborn errors of metabolism by enzyme replacement

METABOLIC DISORDERS INBORN, ECCENTROOSTEOCHONDRODYSPLASIA

- RO1AM-00149-22 0005 Mucopolysaccharides in skeletal growth disorders - Extraction and purification of proteoglycans of iliac crest cartilage
 PO1AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 RO1AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
 ** PO1GM-19489-03 0007 Study of human genetics - The basic defect in the Marfan syndrome
 ** PO1GM-19489-03 0014 Study of human genetics - Delineation and management of atlanto-axial subluxation in skeletal dysplasias
 PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit
 MO1RR-00064-10 0013 General clinical research center - Disorders of mucopolysaccharide metabolism (human)
 (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

MO1RR-00722-02 0018 General Clinical Research Center - Skeletal dysplasia (human)

METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, HUNTER SYNDROME

RO1AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)

RO1AM-10811-09 Glycosaminoglycans in health and disease states

RO1AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)

RO1AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)

RO1EY-00772-03 Histochemistry of corneal disease in tissue culture

** PO1GM-17702-05 0003 Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)

PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)

PO1GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases

RO1HD-04331-04 Mental retardation-Defect in Hunter syndrome (human, dogs, rats)

RO1HD-05465-04 0009 Genetic studies of human somatic cells - X-chromosomal inactivation (human)

PO1HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)

PO1HD-06276-03 0084 Mental retardation research program - Examination of human tissues

PO1HR-11310-08 0041 Mechanisms of cardiovascular disease - Structure and metabolism of proteoglycans (human, rabbits)

PO1RS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinson's (human)

MO1RR-00052-13 0048 General clinical research center for children - Mucopolysaccharidoses

MO1RR-00080-12 0086 General clinical research center - Metabolism of carbohydrate containing macromolecules in human white blood cells

MO1RR-00125-11 0233 General clinical research center-adult-child - Treatment of mucopolysaccharidoses by plasma infusion

** MO1RR-00305-08 0017 Clinical research center for children - Hunter-Hunter syndrome and other mucopolysaccharidoses

** MO1RR-00749-02 0029 General clinical research center - Effects of plasma administration in mucopolysaccharidoses(human)

METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, I-CELL DISEASE

RO1AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)

RO1AM-13359-06 Molecular basis genetics of glycogen storage disease (human)

PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)

PO1GM-21096-01 0005 Enzyme therapy in lysosomal storage diseases - Structural studies on human beta-galacturonidase (from platelets, placenta)

RO1HD-04331-04 Mental retardation-Defect in Hunter syndrome (human, dogs, rats)

PO1HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)

** MO1RR-00052-13 0028 General clinical research center for children - Rare genetic defects in genetic isolates

METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, LIPOMUCOPOLYSACCHARIDOSIS

PO1HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)

** MO1RR-00052-13 0028 General clinical research center for children - Rare genetic defects in genetic isolates

METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, SANFILIPPO SYNDROME

** P02AL-06320-10 0006 Transplantation immunology center - Treatment of Storage Disease' with lymphoid and bone marrow infusions (human)

PO1AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)

RO1AM-10811-09 Glycosaminoglycans in health and disease states

RO1AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)

PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)

** PO1GM-17702-05 0003 Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)

PO1GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases

** PO1HD-04147-06 0022 Research in mental retardation - Therapeutic trial in a patient with Sanfilippo B syndrome (human)

RO1HD-04331-04 Mental retardation-Defect in Hunter syndrome (human, dogs, rats)

** PO1HD-05342-04 0018 Mental retardation and brain development - Lipid and mucopolysaccharide storage diseases, animal model (rat)

PO1HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)

RO1RS-10473-03 0005 Brain lipids in diffuse demyelnative disease - Effect of leukapheresis and plasma infusion in mucopolysaccharidoses (human)

MO1RR-00064-10 0013 General clinical research center - Disorders of mucopolysaccharide metabolism (human)

MO1RR-00125-11 0233 General clinical research center-adult-child - Treatment of mucopolysaccharidoses by plasma infusion

** MO1RR-00305-08 0017 Clinical research center for children - Hunter-Hunter syndrome and other mucopolysaccharidoses

** MO1RR-00827-01 0027 General clinical research center - Enzyme infusion in Sanfilippo type B

** MO1RR-00827-01 0028 General clinical research center - Determination of carrier state in Sanfilippo disease type B

METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, SCHEIE SYNDROME

RO1HD-04331-04 Mental retardation-Defect in Hunter syndrome (human, dogs, rats)

METABOLIC DISORDERS INBORN, MUSCULAR DYSTROPHY

RO1AM-07824-11 Adenosine triphosphatase transphosphorylases (human, rabbits, cattle, yeast)

RO1AM-10948-05 Endocrine regulation of muscle growth (chickens)

RO1AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area

RO1AM-15594-03 Biological function of myosin light chains (chick embryo, rats)

** RO1AM-15857-03 Acetylated proteins in muscular dystrophy (mice, rabbits, chickens)

RO1AM-15963-09 Regulation in muscles (scallop, limulus, chicken, rabbits, mice)

** PO1AM-16716-01 0001 Pathophysiological bases of muscle diseases - Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters)

** PO1AM-16716-01 0004 Pathophysiological bases of muscle diseases - Neuromyopathycardiomyopathy and therapeutic exercise (human)

** PO1AM-16716-01 0008 Pathophysiological bases of muscle diseases - Neuromuscular system in task performance and its damage in MD (chickens)

PO1AM-16716-01 0010 Pathophysiological bases of muscle diseases - AChE, membrane enzymes and trophic effects of nerves (chickens, mammals, human)

** PO1AM-16716-01 0011 Pathophysiological bases of muscle diseases - Nonshivering thermogenesis in normal and dystrophic hamsters

** PO1AM-16716-01 0012 Pathophysiological bases of muscle diseases - The active state of normal and dystrophic muscle (mice)

** PO1AM-16716-01 0014 Pathophysiological bases of muscle diseases - Potential contribution of motor neuron lesions to M.S. (chickens, human)

PO1AM-16716-01 0020 Pathophysiological bases of muscle diseases - Muscles in normals, dystrophies, spontaneous hypertension (chicken, rodents, cat)

** PO1AM-16716-01 0022 Pathophysiological bases of muscle diseases - Immuno response in polymyositis and muscular dystrophy (mice, guinea pig, human)

PO1AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)

RO1AM-17008-01 Structure and function of creatine kinase (rabbits, chicken)

RO1EY-00309-09 Fine structure of normal and pathologic ocular muscle (rabbits, monkeys, rats)

RO1GM-07884-13 3-Phosphoglyceraldehyde dehydrogenase (chickens)

** P11GM-15759-08 0041 Clinical pharmacology in rheumatic and muscular diseases - Clinical pharmacology of muscle diseases

RO1GM-19084-03 Ribonuclease inhibition by inducing agents (rats, mice)

PO1GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities

PO1GM-20124-02 0011 Center for human genetics and inherited disease - Genetic counseling-Demand, supply and quality

PO1GM-20130-01 0004 Clinical genetics research center - Old Order Amish

** RO1GM-20716-01 Comparative enzymology of normal and abnormal tissue (pigs, human)

PO1HD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)

PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit

** PO1HD-04485-04 0003 Growth hormone structure-function relationships - Activity of growth hormone derivatives in man (swine)

** PO1HL-06682-11 0013 Regulation of the cardiovascular system - Local regulation of blood flow (animals)

PO1HL-08805-10 0028 Cardiovascular and pulmonary performance - Ultrastructural pathology of experimental cardiomyopathy (hamsters)

RO1HL-14117-03 Mechanism of heart failure (Syrian hamsters)

RO1MH-16127-06 0001 Muscle enzyme release in the acute psychoses - Clinical-chemical correlations (human)

** RO1NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)

RO1NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)

** RO1NS-06517-10 Biochemical studies in muscular dystrophy (chickens)

RO1NS-06782-07 Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats)

RO1NS-07180-12 Functional relationships in vitamin E-deficiency (guinea pigs)

PO1NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)

** RO1NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)

RO1NS-08533-06 Muscle-Fine structural basis of abnormal permeability (rats, mice)

RO1NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)

** RO1NS-09283-05 Polyribosomes in human dystrophic muscle

** PO1NS-10175-03 0001 Neuromuscular disease research center - Muscle enzyme and penicillamine studies-Animal research

** PO1NS-10175-03 0002 Neuromuscular disease research center - Muscle enzyme and penicillamine studies-Human research

** PO1NS-10175-03 0016 Neuromuscular disease research center - Neostigmine in the treatment of Duchenne muscular dystrophy (human)

** PO1NS-10175-03 0021 Neuromuscular disease research center - Catecholamines-muscular dystrophy in humans

** RO1NS-10385-01 Duchenne's muscular dystrophy-Therapy and basic studies (rabbits, human)

** RO1NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)

RO1NS-10460-01 Neurophysiology of excitable cells in vitro

RO1NS-10638-02 Molecular control of excitability of muscle membrane (mice)

** RO1NS-10716-01 Muscular dystrophy-Alterations mediated by exercise (hamsters)

** RO1NS-10957-01 Ache nerve-muscle interactions and muscular dystrophy (chickens, chick embryo)

RO1NS-11165-01 Contractile mechanisms and myogenesis (rabbits, mice)

** RO1NS-11177-01 Neural role in muscular dystrophy (chicken)

** RO1NS-11609-01 Muscle membranes and muscle disease (human)

** PO1NS-11766-01 0001 Clinical research center for neuromuscular disease - Muscle membranes and muscle disease (human)

** PO1NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)

** PO1NS-11766-01 0012 Clinical research center for neuromuscular disease - Regeneration of dystrophic muscle (human, mice, rabbits)

** PO1NS-11766-01 0013 Clinical research center for neuromuscular disease - Pathophysiology of dystrophic muscle (human)

** RO1NS-11815-04 Defective ion movement in muscular dystrophy (mice, rat, hamster, chicken, human)

RO1NS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)

** RO1NS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)

** MO1RR-00034-14 0085 General clinical research center - Duchenne muscular dystrophy-New approach to therapy (human)

** MO1RR-00036-14 0095 General clinical research center - Medium chain triglyceride supplementation and muscular dystrophy (human)

** MO1RR-00039-14 0030 General clinical research center - Metabolic studies in Duchenne dystrophy (human)

** MO1RR-00039-14 0031 General clinical research center - Effects of HGH in myotonic and limb-girdle dystrophy

** MO1RR-00030-14 0081 General clinical research center - Carriers of Duchenne dystrophy

MO1RR-00040-14 0061 General clinical research center - Inherited neuromuscular disorders (human)

MO1RR-00055-13 0112 General clinical research center - Acanthosis nigricans a result of stilbesterol therapy

** MO1RR-00059-13 0131 General clinical research center - Identification of carriers of Duchenne muscular dystrophy (human)

** MO1RR-00064-10 0007 General clinical research center - Muscle disease-Creatine metabolism (human)

** MO1RR-00064-10 0014 General clinical research center - Metabolism of Cs137 and K40-Relationship to muscle disease (human)

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 **Oriented significantly to above subject.
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 See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** M01RR-00064-10 0031 General clinical research center - Creatine metabolism (human)
- ** M01RR-00064-10 0039 General clinical research center - Evaluation of skeletal muscle in muscular dystrophy (human)
- ** M01RR-00064-10 0066 General clinical research center - Hexahydrocoenzyme Q4—Investigation of toxicity (human)
- M01RR-00070-12 0094 General clinical research center - Transvenous endomyocardial biopsy (human)
- M01RR-00071-11 0024 General clinical research center - Pathological anatomy and physiology of neuromuscular junction (human)
- ** M01RR-00095-14 0051 General clinical research center - Penicillamine treatment of muscular dystrophy (human)
- ** M01RR-00095-14 0074 General clinical research center - Propanolol for Duchenne muscular dystrophy (human)
- ** M01RR-00109-11 0029 General clinical research center - Neutral hydrolases in myotonic dystrophy (human)
- ** P07RR-00273-09 0002 Mass spectrometric facility for biomedical research - Studies on muscular dystrophy (chickens, mice)
- ** M01RR-00305-08 0022 Clinical research center for children - Multidisciplinary study of muscular dystrophy
- ** M01RR-00400-06 0021 General clinical research center - adult - Insulin and carbohydrate metabolism in myotonic dystrophy (human)
- P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
- ** M01RR-00722-02 0033 General Clinical Research Center - Treatment of Duchenne muscular dystrophy with corticosteroids (human)

METABOLIC DISORDERS INBORN, MYOTONIA ATROPHICA

- P01AM-00002-28 0011 Metabolic and hereditary disorders - Lipoproteins and lipid transport (human, cattle)
- ** P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- R01EY-00309-09 Fine structure of normal and pathologic ocular muscle (rabbits, monkeys, rats)
- P15EY-00494-05 Clinical electrophysiologic studies of ocular disease (human)
- R01GM-19962-02 Human autosomal gene linkage
- P01HD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)
- R01NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
- R01NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
- R01NS-10382-01 Hereditary defects of muscle membrane composition (goats and rats)
- ** M01RR-00030-13 0112 General clinical research center - Membrane studies in myotonic dystrophy (human)
- M01RR-00039-14 0029 General clinical research center - Responsiveness to human growth hormone (human)
- ** M01RR-00044-14 0073 General clinical research center - Cardiac conduction abnormalities in myotonic dystrophy (human)
- ** M01RR-00059-13 0133 General clinical research center - Myotonic dystrophy and differential diagnosis (human)
- ** M01RR-00059-13 0135 General clinical research center - Early onset of myotonic dystrophy in infants (human)
- ** M01RR-00064-10 0054 General clinical research center - Insulin, lipid and carbohydrate relationship in myotonic dystrophy (human)
- M01RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males

METABOLIC DISORDERS INBORN, MYOTONIA CONGENITA

- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- R01MH-16127-06 0001 Muscle enzyme release in the acute psychoses - Clinical-chemical correlations (human)
- ** R01NS-03178-12 Myotonic muscle (goats, mice, rats, birds, wallabies)
- R01NS-06782-07 Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats)
- R01NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
- ** P01NS-10175-03 0003 Neuromuscular disease research center - Myotonia—Serum lipoproteins (goats)
- ** P01NS-10175-03 0004 Neuromuscular disease research center - Myotonia—lipid, protein and fatty acid composition of SR (goats)
- ** P01NS-10175-03 0005 Neuromuscular disease research center - Myotonia—Cholesterol turnover time (goats)
- ** P01NS-10175-03 0006 Neuromuscular disease research center - Myotonia—Effect of cholesterol lowering drugs (goats)
- ** P01NS-10175-03 0022 Neuromuscular disease research center - Myotonia—isolation of sarcolemma and the sarcoplasmic reticulum (goats)
- ** P01NS-10175-03 0023 Neuromuscular disease research center - Myotonia-sialic acid composition of sarcoplasmic reticulum (goats)

- ** P01NS-10175-03 0024 Neuromuscular disease research center - Myotonia-calcium content and uptake by SR (goats)
- ** P01NS-10175-03 0025 Neuromuscular disease research center - Myotonia-OPNH oxidase studies (goats)
- ** P01NS-10175-03 0026 Neuromuscular disease research center - Myotonia-creatinine phosphokinase studies (goats)
- R01NS-10382-01 Hereditary defects of muscle membrane composition (goats and rats)
- ** M01RR-00068-12 0037 General clinical research center - Myotonia (human)

METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS

- P01HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)

METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS, JUVENILE

- R01AM-15041-02 Ceroidogenesis (rats)
- P01HD-04147-06 0009 Research in mental retardation - Metabolic research unit
- ** R01NS-07701-08 Genetically-determined neurological diseases (human, dogs, rabbits)
- ** R01NS-08682-06 Molecular basis of cerebral degeneration (human)
- ** R01NS-09760-04 Studies in aging of the brain (human)
- ** M01RR-00052-13 0009 General clinical research center for children - Degenerative diseases of central nervous system
- ** M01RR-00052-13 0044 General clinical research center for children - Syndrome of Sea-blue histocytes

METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS, LATE INFANTILE

- P01HD-06276-03 0084 Mental retardation research program - Examination of human tissues

METABOLIC DISORDERS INBORN, OBESITY HEREDITARY HYPERGLYCEMIC

- SEE ALSO METABOLIC DISORDERS INBORN, PRADER-WILLI SYNDROME
- R01AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- R01AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- R01AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
- ** R01AM-08272-11 Obesity—Dietary, hormonal and genetic determinants (rats)
- R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
- R01AM-16860-01 Physical activity, carbohydrate metabolism and obesity (rats, mice)
- P17AM-17624-01 0005 Obesity center - Adipose tissue fatty acid turnover in experimental obesity (rats)
- R01AM-17631-01 Genetic control of hyperplasia in the endocrine pancreas (mice)
- ** P01HE-06285-14 0150 Cardiovascular-respiratory physiology and biochemistry - Basement membrane width in non-diabetic hyperglycemia
- R01HE-16364-01 0003 Regulation of lipid biosynthesis and transport - Genetic basis of hormone mediated regulation (rats)
- R01HE-16634-09 0001 Regulation of metabolism in fibroblasts and platelets - Regulation of fatty acid biosynthesis in skin fibroblasts (human, mice, rats)

METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA

- R01AM-09406-11 0004 Genetic diseases - Collagen metabolism (human)
- R01AM-12579-05 Tissue culture study of inborn metabolic errors (human)
- R01AM-13921-14 0006 Structure and organization of collagen fibers - Biochemical changes in connective tissue diseases of bone and cartilage
- R01AM-15656-03 Molecular pathology of heritable disorders (human, mice)
- ** R01AM-16127-04 Pathologic synthesis of collagen (human, rats)
- R01AM-16506-02 Chemistry and biology of normal and abnormal collagens (human)
- R01AM-17128-01 Collagen and elastin of connective tissue disease
- R01DE-02716-06 Mineralogy of calcifying tissues—Teeth and bones (human, sheep)
- P01GM-19489-03 0009 Study of human genetics - Light and electron microscopy of bone and cartilage in skeletal dysplasias
- P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- P01HD-07376-01 0002 Fibroblasts and connective tissues in development - Collagen alterations in development, maturation, aging and disease (human)
- P01HD-08315-01 0007 Biochemical, genetic and other studies in retardation - Linkage and recombination in man and their relationship to human disease
- ** P01NS-03358-13 0017 Sensory disease clinical research center - Temporal bone pathology (cats)

- ** M01RR-00035-14 0040 General clinical research centers - Heritable disorders of connective tissues (human)
- ** M01RR-00036-14 0104 General clinical research center - Calcitonin treatment of osteogenesis imperfecta (human)
- M01RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
- ** M01RR-00059-12 0002 General clinical research center, children - Osteogenesis imperfecta
- ** M01RR-00069-12 0074 General clinical research center, children - Psychobiological evaluation of osteogenesis imperfecta
- ** M01RR-00125-11 0209 General clinical research center - adult-child - Osteogenesis imperfecta treated with magnesium oxide
- ** M01RR-00318-08 0011 General clinical research center - Use of thyrocalcitonin in treatment of osteogenesis imperfecta (human)
- ** M01RR-00318-08 0028 General clinical research center - Calcitonin treatment in demineralizing diseases (human)
- ** M01RR-00585-03 0009 General clinical research center - Therapeutic trials in metabolic bone disease (human)
- M01RR-00722-02 0017 General Clinical Research Center - Heritable disorders of connective tissue (human)

METABOLIC DISORDERS INBORN, OSTEOPETROSIS

- ** R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
- ** R01DE-02103-10 0020 Inductive substrates for tooth and bone formation - Is osteopetrosis a disorder of bone morphogenic matrix (mice, human)
- ** M01RR-00096-14 0041 Clinical research center - Effect of growth hormone and calcitonin on osteopetrosis and bone disease (human)
- ** M01RR-00287-08 0064 General clinical research center - Calcitonin, parathyroid hormone and vitamin D in osteopetrosis (human)
- M01RR-00318-08 0020 General clinical research center - Calcium and magnesium metabolism in endocrine and metabolic diseases (human)

METABOLIC DISORDERS INBORN, 6-PHOSPHOGLUCONATE DEHYDROGENASE DEFICIENCY

- SEE ALSO METABOLIC DISORDERS INBORN, PRIMAQUINE SENSITIVITY
- SEE ALSO OXIDOREDUCTASES, PHOSPHOGLUCONATE DEHYDROGENASE
- P01AM-09001-10 0040 Biochemistry and immunology of blood diseases - Blood oxygen dissociation

METABOLIC DISORDERS INBORN, PHOSPHOGLYCERATE KINASE DEFICIENCY

- P01AM-17433-01 0015 Cardiovascular, metabolic aspects of membrane transport - Cation transport and metabolism in abnormal red cells (human)
- R01HL-15125-02 Molecular pathology of genetic disorders in man
- M01RR-00123-11 0038 General clinical research center - Children - Neutrophil dysfunction

METABOLIC DISORDERS (INBORN), PORPHYRIA

- ** R01AM-02096-15 Metabolic studies of congenital bovine porphyria (hens, sheep)
- ** P02AM-05630-12 0011 Metabolic unit for the Department of Medicine - Action spectra of porphyrias and photosensitivities (human)
- ** R01AM-09838-09 Control mechanisms in heme synthesis (human)
- R01AM-09995-09 Action spectra and biochemistry of photodermatoses (human, mice)
- R01AM-10485-09 Abnormalities of hemoglobin metabolism (human, mice)
- R01AM-12466-10 Porphyrin heme and bile pigment metabolism (human, hens)
- ** P02AM-13430-05 0010 Research and heredity clinic - Porphyrin
- R01AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
- ** R01AM-16484-05 Porphyrin—Metabolic basis (Rhodopsudomonas spheroides, mammals)
- R01AM-16497-02 0014 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in heroin addicts
- R01AM-16737-12 Hemolytic anemias in childhood (human, animals)
- ** R01AM-17360-01 Liver pathology in experimental porphyria (rats, chick embryo)
- R01GM-04922-18 Heme and chlorophyll biosynthesis (chick embryo, mice, barley)
- ** P11GM-12675-10 0044 Biochemical toxicology and pharmacology - Porphyrins—Regulation by substrates for glycine N-acylase
- ** P01HD-04665-04 0001 Metabolic abnormalities in mental retardation - Interrelationships of iron, porphyrin and energy metabolism (mice, human)
- ** P01HD-06321-02 0007 Genetic aspects of human fetal development - Antenatal detection of disorders of porphyrin metabolism (human)
- R01NS-06288-10 Metabolic fate of neuropharmacological agents (dogs, rats)

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- ** MO1RR-00036-14 0149 General clinical research center - Metabolism of hemopexin in porphyria (human)
 MO1RR-00064-10 0006 General clinical research center - Disorders of hemoglobin synthesis (human)
 MO1RR-00102-11 0011 General clinical research center - Pregnant, contraceptive-treated and post-partum women
 MO1RR-00134-10 0001 General clinical research center - Sarcosin metabolism (human)
 ** MO1RR-00722-02 0010 General Clinical Research Center - Role of vitamin E in human porphyria metabolism

METABOLIC DISORDERS INBORN, PORPHYRIA, PROTOPORPHYRIA

- RO1AM-13143-06 Regulation of hemoglobin synthesis (human, guinea pigs)
 ** RO1CA-05003-16 0012 Dermatologic reactions induced by solar radiation - Photoinhibition of complement system in erythropoietic protoporphyria
 PO1HD-02274-08 0040 Mental retardation and child development - Fincrest research laboratories (human)
 PO1HD-03693-06 0007 Pathogenesis of chronic infections - Bacterial models of chronic disease
 RO1HL-12524-06 Reaction of hemoglobin with ligands and antibodies (human, carp)

METABOLIC DISORDERS INBORN, PORPHYRIA, ERYTHROPOIETIC

- ** RO1AM-14545-05 Carotenoid therapy of photosensitive porphyria (human)
 RO1AM-15189-09 Enzymatic formation of bile pigments (mice, squirrels, human, mice)
 RO1AM-17745-01 Mechanism of protective action of carotenoids (mice)
 ** RO1CA-05003-16 0001 Dermatologic reactions induced by solar radiation - Beta-carotene for photoprotection in erythropoietic protoporphyria (human)
 P10ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of ambient air pollutants (human, mice, rats)
 RO1ES-01041-01 0005 Photosensitivity - Phototoxic cell membrane damage (human, mice)
 RO1ES-01041-01 0007 Photosensitivity - Systemic photoprotective agents (mice)
 MO1RR-00102-11 0005 General clinical research center - Studies in porphyria (human)
 ** MO1RR-00833-01 0024 General clinical research center - Hemopexin in diseases of aberrant porphyrin and iron metabolism (human)

METABOLIC DISORDERS INBORN, PORPHYRIA, HEPATIC CONGENITAL

- PO1AM-04489-14 0007 Hematology - Non-heme iron pathways (human, swine)
 PO1AM-04489-14 0008 Hematology - Heme synthesis and porphyria metabolism (human)
 PO2AM-13430-05 0008 Research and heredity clinic - Dubin-Johnson syndrome patients and families
 ** RO1AM-16497-02 0015 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in experimental porphyria (monkeys)
 RO1AM-17360-01 Liver pathology in experimental porphyria (rats, chick embryo)
 RO1CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
 ** RO1HD-07894-01 Heme metabolism in fetuses, newborns and adults (animals)
 ** MO1RR-00102-11 0005 General clinical research center - Studies in porphyria (human)
 PO6RR-00051-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
 ** MO1RR-00633-02 0037 General clinical research center - Heme synthesis and degradation in acute intermittent porphyria (human)
 ** MO1RR-00633-02 0038 General clinical research center - Drug metabolism in acute intermittent porphyria (human)

METABOLIC DISORDERS INBORN, PRADER-WILLI SYNDROME

- SEE ALSO METABOLIC DISORDERS INBORN, OBESITY HEREDITARY HYPERGLYCEMIC
 RO1AM-04524-14 0004 Requirements of polyunsaturated fatty acids - Diseases and nutritional problems involving fatty acid metabolism (human)
 PO1GM-20130-01 0003 Clinical genetics research center - Mental retardation
 ** PO1HD-02274-08 0151 Mental retardation and child development - Neuroendocrinological abnormalities in mental retardation syndromes
 ** PO1HD-02274-08 0161 Mental retardation and child development - Children with Prader-Willi syndrome
 PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit
 ** MO1RR-00062-12 0012 Clinical research center, children - Prader-Willi syndrome
 MO1RR-00425-06 0026 General clinical research center - Genetic forms of obesity (human)
 MO1RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males

METABOLIC DISORDERS INBORN, PRIMAQUINE SENSITIVITY

- SEE ALSO METABOLIC DISORDERS INBORN, FAVISM
 SEE ALSO METABOLIC DISORDERS INBORN, GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY
 SEE ALSO METABOLIC DISORDERS INBORN, 6-PHOSPHOGLUCONATE DEHYDROGENASE DEFICIENCY
 RO1AI-06970-06 Chemotherapy of malaria

METABOLIC DISORDERS INBORN, PSEUDOCHELINESTERASE DEFICIENCY

- RO1HL-15125-02 Molecular pathology of genetic disorders in man

METABOLIC DISORDERS INBORN, PSEUDOGOUT

- ** RO1AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
 ** RO1AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
 RO1AM-13069-06 Studies of crystal deposition diseases (human)
 PO1AM-14526-05 0004 Biochemistry of connective tissue - Inflammation by microcrystals in synovial spaces (human, dogs)
 ** RO1AM-18074-01 Crystal deposition diseases (human, rats, rabbits)
 ** MO1RR-00055-13 0092 General clinical research center - Chondrocalcinosis-measure of inorganic pyrophosphate (human)
 MO1RR-00261-09 0096 General clinical research center - Metabolic studies on human cartilage

METABOLIC DISORDERS INBORN, PSEUDOHYPOPARATHYROIDISM

- ** MO1RR-00030-13 0090 General clinical research center - Cyclic AMP levels in endocrine disorders (human)
 ** MO1RR-00034-14 0050 General clinical research center - Pseudohypoparathyroidism (human)
 ** MO1RR-00034-14 0079 General clinical research center - Pseudohypoparathyroidism and thyrotropin deficiency (human)
 ** MO1RR-00039-14 0037 General clinical research center - Pseudohypoparathyroidism (human)
 ** MO1RR-00065-12 0045 General clinical research center - Persistence of calcemic and phosphaturic effects of PTH (human)
 ** MO1RR-00069-12 0024 General clinical research center, children - Pseudohypoparathyroidism
 ** MO1RR-00107-11 0058 General clinical research center - Pseudohypoparathyroidism and pseudopseudohypoparathyroidism (human)
 ** MO1RR-00125-11 0198 General clinical research center - adult-child - Pseudohypoparathyroidism
 MO1RR-00847-01 0019 Clinical research centers - Regulation of cyclic nucleotide metabolism (human)

METABOLIC DISORDERS INBORN, PSEUDOXANTHOMA ELASTICUM

- RO1AM-17128-01 Collagen and elastin of connective tissue disease
 ** PO1GM-15253-08 0022 Genetics in medicine-Gene action in man - Clinical genetics
 ** PO1GM-19489-03 0005 Study of human genetics - Norms for skeletal development in achondroplasia and pseudoxanthoma elasticum
 ** MO1RR-00030-13 0046 General clinical research center - Pseudoxanthoma elasticum (human)
 ** MO1RR-00051-13 0098 General clinical research center - Pseudo xanthoma elasticum (human)
 MO1RR-00052-13 0018 General clinical research center for children - Heritable disorders of connective tissue
 MO1RR-00722-02 0017 General Clinical Research Center - Heritable disorders of connective tissue (human)

METABOLIC DISORDERS INBORN, PSORIASIS

- ** RO1AM-02375-16 HLA antigens in diseases (human)
 RO1AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
 PO2AM-05577-13 0017 Clinical research unit in rheumatic diseases - Humoral mechanisms and mediators of inflammation in rheumatic disease patients
 RO1AM-05924-14 Chemistry of keratins and their precursors (rats, frogs, human)
 RO1AM-06838-12 Biosynthesis of keratin (human, rats, mice)
 RO1AM-08368-16 Fine structure and cytochemistry of epidermis (human)
 RO1AM-10546-09 0001 Epidermal cell model from human skin - Epidermal-dermal interactions in normal and diseased skin
 RO1AM-12129-07 0001 Collagenases and collagen remodeling - Collagen degradation in human skin
 RO1AM-12433-07 Cytochemical studies of keratinization (human, rats, rabbits)
 ** RO1AM-13929-04 Normal and psoriatic epidermal cell division (human, rats)
 RO1AM-14121-05 Metabolic control of epidermal cell growth (human, rabbits)

- ** RO1AM-14887-07 0001 Pathophysiology and chemotherapy in psoriasis and cancer - Liver toxicity from methotrexate (human)
 ** RO1AM-14887-07 0002 Pathophysiology and chemotherapy in psoriasis and cancer - Topical chemotherapy (human)
 ** RO1AM-14887-07 0003 Pathophysiology and chemotherapy in psoriasis and cancer - Biochemical DNA synthesis pathways in skin
 RO1AM-14887-07 0004 Pathophysiology and chemotherapy in psoriasis and cancer - Mechanism of drug action in skin
 RO1AM-14941-02 Biochemical basis of prostaglandin action in the skin (human, rats)
 RO1AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
 M PO1AM-15515-03 Psoriasis biology, psoriagenesis and lesion control
 ** PO1AM-15515-03 0001 Psoriasis biology, psoriagenesis and lesion control - Mitotic behavior in epidermal system (human, lizards, mice)
 ** PO1AM-15515-03 0002 Psoriasis biology, psoriagenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
 ** PO1AM-15515-03 0003 Psoriasis biology, psoriagenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
 ** PO1AM-15515-03 0004 Psoriasis biology, psoriagenesis and lesion control - Anatomic determinants of psoriagenesis (human)
 ** PO1AM-15515-03 0005 Psoriasis biology, psoriagenesis and lesion control - Mechanism of psoriagenesis by chloroquin and quinacrine (human)
 ** PO1AM-15515-03 0006 Psoriasis biology, psoriagenesis and lesion control - Therapeutic mechanism of sunlight
 ** PO1AM-15515-03 0007 Psoriasis biology, psoriagenesis and lesion control - Corticosteroid effects (human)
 ** PO1AM-15515-03 0008 Psoriasis biology, psoriagenesis and lesion control - Anthralin effects (human, mice)
 ** PO1AM-15515-03 0009 Psoriasis biology, psoriagenesis and lesion control - Animal screening systems for tropical drugs (swine, mice)
 PO1AM-15515-03 0010 Psoriasis biology, psoriagenesis and lesion control - In vitro screening for drug action (human, mice, lizards)
 ** PO1AM-15515-03 0011 Psoriasis biology, psoriagenesis and lesion control - Clinical investigations
 ** RO1AM-15739-03 Role of microcirculation in cutaneous disorders (human, rabbits, mice)
 ** RO1AM-15740-03 Cell division control in normal and psoriatic skin
 RO1AM-16258-02 Mechanism of eccrine sweat gland function (human, cats, monkeys)
 ** RO1AM-17179-01 Cyclic AMP in psoriasis
 RO1AM-17253-01 Structural proteins in genetic defects of epidermis
 MO1CM-33704-03 Methotrexate-Hepatotoxicity study (human)
 PO1DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
 ** P11GM-15759-08 0020 Clinical pharmacology in rheumatic and muscular diseases - Azathioprine and cyclophosphamide rheumatoid arthritis and psoriatic arthritis
 ** RO1GM-21535-01 Dermatopharmacologic studies in psoriasis
 ** MO1RR-00039-13 0048 General clinical research center - Methotrexate therapy for psoriasis (human)
 ** MO1RR-00036-14 0126 General clinical research center - Hepatotoxic effects of methotrexate in psoriasis (human)
 ** MO1RR-00049-13 0043 General clinical research center - Treatment of acne, psoriasis and ichthyiform dermatosis (human)
 ** MO1RR-00063-12 0066 General clinical research center - Psoriasis or neurodermatitis
 ** MO1RR-00125-11 0143 General clinical research center - Pustular psoriasis of von Zumbusch
 ** MO1RR-00261-09 0049 General clinical research center - Hepatotoxicity from use of methotrexate in psoriasis (human, mice)
 ** MO1RR-00261-09 0100 General clinical research center - Psoriasis and cancer (human)
 ** MO1RR-00833-01 0007 General clinical research center - Systemic effects of topically applied glucocorticosteroids (human)
 ** MO1RR-00833-01 0008 General clinical research center - Treatment of psoriasis with triacetyl azauridine (human)

METABOLIC DISORDERS INBORN, PYRUVATE KINASE DEFICIENCY

- RO1AM-09274-09 The mechanism of red cell aging (human, rats)
 PO2AM-13430-05 0001 Research and heredity clinic - Hemolytic anemias (human)
 ** RO1AM-14898-12 Metabolic and biochemical studies of blood cells (human)
 PO1GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
 RO1HL-12944-05 Enzymatic and biochemical studies on blood cells (human)
 MO1RR-00128-10 0047 General clinical research center for children - Metabolism of human blood cells

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has sub-projects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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METABOLIC DISORDERS INBORN, RENAL**GLYCOSURIA**

- ** R01AM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)

METABOLIC DISORDERS (INBORN), RENAL TUBULAR ACIDOSIS

- R01AM-01229-18 Nature of human anti-gamma globulins (also mice)
R01AM-14401-04 Metabolism and function of the perfused rat kidney
- ** P01AM-14877-14 0023 Kidney function in infants and children - Nature of acidifying defect in renal tubular acidosis (dogs)
- ** P01AM-16764-02 0001 Disorders of renal acidification - Hereditary fructose intolerance (human, dogs, rats)
- ** P01AM-16764-02 0002 Disorders of renal acidification - Renal tubular acidosis with acquired mineralocorticoid deficiency (human)
- ** P01AM-16764-02 0003 Disorders of renal acidification - Aldosterone deficiency in renal acidification disorders (human)
- P01AM-16764-02 0004 Disorders of renal acidification - Renal tubular transport of sodium and potassium (human)
- ** P01AM-16764-02 0005 Disorders of renal acidification - Large alkali requirement in renal tubular acidosis (infants, children)
- ** P01AM-16764-02 0006 Disorders of renal acidification - Role of parathyroid in renal tubular disfunctions (humans, rats, dogs)
- ** R01AM-16943-01 Regulation of hydrogen secretion by Ca and parathyroid (dogs, rats)
- P01AM-17433-01 0004 Cardiovascular, metabolic aspects of membrane transport - Renal handling of lithium and its effect on nephron function (rats, hamsters)
- ** P02CA-05826-13 0052 Clinical cancer research center - Renal tubular disorders associated with cancer (human)
- ** P02CA-11067-05 0005 Clinical cancer research center - Renal tubular function (human)
- P02CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
- R01HL-08506-11 Lipemia-carbohydrate and glyceride metabolism (human, rats)
- R01HL-11046-08 Renin, angiotensin, steroids, ions and blood pressure (human, sheep, rabbits)
- ** P18HL-15999-02 0013 Miami comprehensive sickle cell center - Renal acidification in sickle cell disorders (human)
- ** M01RR-00035-14 0093 General clinical research centers - Renal tubular acidosis (human)
- M01RR-00037-14 0132 General clinical research center - Renal function, growth and bone disease in children
- ** M01RR-00039-14 0010 General clinical research center - Renal tubular acidosis (human)
- ** M01RR-00039-14 0071 General clinical research center - Renal function in hereditary renal tubular acidosis (human)
- M01RR-00051-13 0052 General clinical research center - Hyperparathyroidism after renal transplant (human)
- ** M01RR-00051-13 0134 General clinical research center - Renal tubular acidosis after renal transplantation (human)
- ** M01RR-00064-10 0044 General clinical research center - Distal renal tubular acidosis following renal homotransplantation (human)
- ** M01RR-00065-12 0053 General clinical research center - Pathogenesis of tubular syndromes in diseases of anti-nuclear antibodies (human)
- ** M01RR-00075-11 0065 General clinical research center for children - Relation renal bicarbonate threshold to other solutes in renal tubular acidosis
- ** M01RR-00079-12 0001 General clinical research center - Nature of acidification defect (human)
- ** M01RR-00079-12 0055 General clinical research center - Nature of acidification defect (human)
- ** M01RR-00079-12 0120 General clinical research center - Vitamin D deficiency and hyperparathyroidism in type II RTA (human)
- ** M01RR-00079-12 0121 General clinical research center - Acidification dysfunction in renal acidosis (human)
- ** M01RR-00086-12 0020 General clinical research center - children - Acid balance studies in renal acidosis
- ** M01RR-00109-11 0022 General clinical research center - Renal acidification defects (human)
- ** M01RR-00188-10 0072 General clinical research center for children - Renal function studies of renal tubular diseases
- ** M01RR-00305-08 0089 Clinical research center for children - The Fanconi syndrome, including cystinosis
- ** M01RR-00585-03 0021 General clinical research center - Effect of plasmapheresis on acid excretion in RTA in hyperglobulinemia (human)
- ** M01RR-00628-04 0071 General clinical research center for children - A patient with renal acidosis 2 degrees to high solute load
- M01RR-00828-01 0042 General clinical research center - Body composition (human)
- M01RR-00833-01 0032 General clinical research center - Autoimmunity in renal tubular acidosis and hypergammaglobulinemia (human)
- ** M01RR-00865-01 0029 General clinical research center - Osteodystrophy secondary to renal tubular states (human)
- ** M01RR-00865-01 0031 General clinical research center - Idiopathic hypercalciuria (human)

METABOLIC DISORDERS INBORN, RENAL TUBULAR TRANSPORT DISORDERS INBORN

- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDURIA RENAL
- SEE ALSO METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME
- SEE ALSO METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS, VASOPRESSIN RESISTANCE
- SEE ALSO METABOLIC DISORDERS INBORN, HYPOLIPOTREMISMAS FAMILIAL, TANGIER DISEASE
- SEE ALSO METABOLIC DISORDERS INBORN, RENAL GLYCOSURIA
- SEE ALSO METABOLIC DISORDERS (INBORN), RENAL TUBULAR ACIDOSIS
- SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
- ** R01AM-01392-18 0003 Structure and function of intestinal cell membranes - Transport studies in experimental and clinical disorders
- ** P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- M R01AM-10894-08 Genetic metabolic diseases of infancy and childhood
- R01AM-10894-08 0007 Genetic metabolic diseases of infancy and childhood - Mechanism of cystinuria (dogs)
- ** R01AM-15823-03 Renal transport of uric acid in gout (chickens)
- R01NS-05096-11 0007 New amino acid disorders in cerebral disease - Amino acid transport disorders in infancy and childhood
- ** M01RR-00109-11 0022 General clinical research center - Renal acidification defects (human)
- ** M01RR-00188-10 0072 General clinical research center for children - Renal function studies of renal tubular diseases
- M01RR-00865-01 0029 General clinical research center - Osteodystrophy secondary to renal tubular states (human)
- METABOLIC DISORDERS INBORN, SARCOSINEMIA**
- P01HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
- P01HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)
- ** P01HD-05342-04 0003 Mental retardation and brain development - Hypersarcosinemia and sarcosine metabolism (rats)
- METABOLIC DISORDERS INBORN, SIDEROCYTIC ANEMIA HEREDITARY**
- P01HD-02147-08 0006 Extraterine growth and development - Hemoglobin synthesis (human)
- P01HL-06374-14 0010 Expansion of research in a hematologic disorder - Hemoglobin in blood disorders (human)
- METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES**
- SEE ALSO LIPOGRANULOMATOSES, FARBEN'S DISEASE
- SEE ALSO METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES
- SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, ECCENTROOSTEOCHONDRODYSPLASIA
- ** P01AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
- R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- ** P01GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
- ** P01GM-19100-03 0007 Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)
- ** P01GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
- ** P01HD-04583-06 0013 Mental retardation research center - New sphingolipidoses (human)
- ** P01HD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
- ** P01HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
- ** P01HD-04583-06 0021 Mental retardation research center - Pathology of late infantile lipidosis (human)
- ** P01HD-05342-04 0018 Mental retardation and brain development - Lipid and mucopolysaccharide storage diseases, animal model (rat)
- P01HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
- P01HD-06276-03 0014 Mental retardation research program - Lysosomal enzymes and inherited diseases (human, mice)
- R01HD-06426-03 Glycosphingolipid metabolism and mental retardation (human)
- ** R01HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)

- ** R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
- ** R01NS-06258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
- ** R01NS-09626-04 Glycolipases related to sphingolipidoses (primates, plants, rabbits, human)
- ** R01NS-10473-03 0082 Brain lipids in diffuse degenerative disease - Enzymatic studies of Farber's lipogranulomatosis-Ceramidase assay (human)
- ** M01RR-00042-14 0001 General clinical research center - Infantile and childhood dementias (human)
- ** M01RR-00305-08 0071 Clinical research center for children - Correction of alpha-galactosidase deficiency in fibroblasts in Fabry's disease
- ** M01RR-00400-06 0055 General clinical research center - adsk - Glycosphingolipidoses and related diseases (human)

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, FUCOSIDE

- ** P01GM-19443-03 0040 Problems in clinical genetics - Fucosidosis
- R01HD-06426-03 Glycosphingolipid metabolism and mental retardation (human)
- M01RR-00071-11 0056 General clinical research center - Clinical genetics center (human)

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE

- R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- ** P01GM-18252-04 0008 Automation of ultramicroanalyses of macromolecules - Medical and biochemical genetics (human)
- R01HD-04331-04 Mental retardation-Defect in Hunter syndrome (human, dogs, rats)
- R01HD-07773-01 Beta-galactosidase activity related to mental retardation (human)
- R01NS-06682-06 Molecular basis of cerebral degeneration (human)
- R01NS-10696-01 Beta-galactosidase isoenzymes (human)

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE GM1

- ** R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- R01HD-05196-04 An approach to human development with cell hybrids (human, mice)
- R01HD-07773-01 Beta-galactosidase activity related to mental retardation (human)
- P01RS-03356-14 0044 Neurological clinical research center - Beta galactosidases (children, dogs)
- R01NS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
- R01NS-10696-01 Beta-galactosidase isoenzymes (human)

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE GM2 TYPE I

- P01AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
- R01AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
- P02AM-13430-05 0006 Research and heredity clinic - Inheritable jaundice (human)
- ** R01AM-14755-04 Diagnosis and therapy of Gaucher disease (human, rats, rabbits)
- ** P01GM-17702-05 0003 Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)
- ** P01GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
- ** P01GM-19100-03 0007 Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)
- P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- ** P01GM-19489-03 0021 Study of human genetics - Linkage study of Tay-Sachs disease locus
- ** P01GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
- ** P01GM-21054-01 0009 Human genetics center - Biochemical genetic studies
- P01HD-04024-06 0002 Mental retardation research center - Organic chemistry (human)
- P01HD-04147-06 0009 Research in mental retardation - Metabolic research unit
- P01HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
- R01HD-04870-05 Organic metabolites related to mental retardation (human)
- P01HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)
- P01HD-06321-02 0001 Genetic aspects of human fetal development - Inherited metabolic diseases in the fetus (human, dogs)
- R01HD-06426-03 Glycosphingolipid metabolism and mental retardation (human)
- P01HD-08315-01 0007 Biochemical, genetic and other studies in retardation - Linkage and recombination in man and their relationship to human disease

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- RO1NS-01575-16 Biosynthesis and metabolism of galactolipids (human rats)
 ** RO1NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
 RO1NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 ** RO1NS-06938-09 Metabolic diseases of the brain (human, rats)
 ** RO1NS-08682-06 Molecular basis of cerebral degeneration (human)
 RO1NS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
 RO1NS-10803-03 Experimental pathology of developing nervous system (rodents)
 ** PO1NS-10920-02 0014 Development and regeneration in the nervous system - Disorders of neuronal development (cats)
 ** RO1NS-10967-02 Human gangliosidosis (cats)
 MO1RR-00042-14 0001 General clinical research center - Infantile and childhood demyeloses (human)
 MO1RR-00123-11 0021 General clinical research center - Children - Plasma infusion in type II GSD and other lysosomal diseases

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE GM2 TYPE II

- ** PO1AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 ** RO1AM-14755-04 Diagnosis and therapy of Gaucher's disease (human, rats, rabbits)
 ** PO1GM-21054-01 0009 Human genetics center - Biochemical genetic studies
 PO1HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
 RO1HD-06426-03 Glycosphingolipid metabolism and mental retardation (human)
 ** RO1NS-08682-06 Molecular basis of cerebral degeneration (human)

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GLUCOSYLKEREBROSIDE

- SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, LACTOSYLKERAMIDE
 PO1AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 ** RO1AM-10809-07 EM study and x-ray diffraction of stored lipids (human, rats, mice)
 ** RO1AM-14755-04 Diagnosis and therapy of Gaucher's disease (human, rats, rabbits)
 ** RO1AM-17465-01 Gaucher's disease-enzymology and approach to therapy (human, rats)
 ** RO1AM-17529-01 Biochemical and clinical studies in Gaucher's disease (human)
 RO1CA-16003-01 Enzyme loading of red blood cells (rats)
 ** PO1GM-19443-03 0041 Problems in clinical genetics - Gaucher's disease (human)
 ** PO1GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
 ** PO1HD-04147-06 0006 Research in mental retardation - Isolation of beta glucosidases (human)
 ** PO1HD-04147-06 0007 Research in mental retardation - Sialomucopolysaccharides in inborn errors of metabolism (human)
 ** PO1HD-04583-06 0007 Mental retardation research center - Lysosomal enzymes in fibroblasts (human)
 ** PO1HD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
 PO1HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
 PO1HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 ** RO1NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
 RO1NS-03192-15 Brain glycolipids - Metabolism and pathology (human, rats)
 RO1NS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
 ** RO1NS-08682-06 Molecular basis of cerebral degeneration (human)
 RO1NS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
 ** MO1RR-00051-13 0068 General clinical research center - Gaucher's disease (human)
 MO1RR-00123-11 0021 General clinical research center - Children - Plasma infusion in type II GSD and other lysosomal diseases
 MO1RR-00305-08 0040 Clinical research center for children - Inborn error of glycosphingolipid and mucopolysaccharide metabolism
 MO1RR-00400-06 0055 General clinical research center - adult - Glycosphingolipidoses and related diseases (human)

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, LACTOSYLKERAMIDE

- PO1HD-04583-06 0013 Mental retardation research center - New sphingolipidoses (human)
 RO1HD-07773-01 Beta-galactosidase activity related to mental retardation (human)
 RO1NS-10698-01 Beta-galactosidase isoenzymes (human)

- ** MO1RR-00305-08 0040 Clinical research center for children - Inborn error of glycosphingolipid and mucopolysaccharide metabolism
 ** MO1RR-00305-08 0066 Clinical research center for children - Lactosylkeramidosis

METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, TRIHEXOSIDE

- SEE ALSO GLYCOSPHINGOLIPIDS, CERAMIDE TETRAHESOXIDES
 PO1AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 RO1AM-12434-07 Chemistry and metabolism of sphingolipids (human, dogs)
 RO1AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
 ** RO1AM-14470-05 Red cell studies (human, animals)
 ** RO1AM-14755-04 Diagnosis and therapy of Gaucher's disease (human, rats, rabbits)
 ** RO1AM-17154-01 Therapy of metabolic diseases (human)
 ** PO1GM-19513-03 0063 Human genetics - Leukocyte transfusions in storage diseases
 ** NO1HB-42947-00 Isolation and evaluation of products from plasma fractionation (human, animals)
 ** PO1HD-04583-06 0007 Mental retardation research center - Lysosomal enzymes in fibroblasts (human)
 ** PO1HD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
 PO1HD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
 RO1HD-05196-04 An approach to human development with cell hybrids (human, mice)
 PO1HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 RO1NS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
 ** MO1RR-00305-08 0071 Clinical research center for children - Correction of alpha-galactosidase deficiency in fibroblasts in Fabry's disease
 MO1RR-00400-06 0055 General clinical research center - adult - Glycosphingolipidoses and related diseases (human)

METABOLIC DISORDERS INBORN, SPHINGOMYELINOSIS, NIEMANN-PICK DISEASE

- ** PO1GM-19513-03 0003 Human genetics - Leukocyte transfusions in storage diseases
 PO1HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)
 RO1NS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
 RO1NS-08246-06 Metabolic error in Refsum's syndrome (human, rats)
 RO1NS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
 MO1RR-00210-10 0034 General clinical research center - Maternal-child - Prenatal diagnosis of genetic diseases

METABOLIC DISORDERS INBORN, TELANGIECTASIA HEREDITARY HEMORRHAGIC

- ** RO1AM-15739-03 Role of microcirculation in cutaneous disorders (human, rabbits, mice)
 ** RO1HL-01612-28 Telangiectasia and aspirin intolerance in hemophilia (human)
 RO1HL-02904-18 Determination of natural clotting factors (human)

METABOLIC DISORDERS INBORN, TRANSPORT DISORDERS

- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDURIA RENAL
 SEE ALSO METABOLIC DISORDERS INBORN, BARTTER'S SYNDROME
 SEE ALSO METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
 SEE ALSO METABOLIC DISORDERS INBORN, CYSTINURIA
 SEE ALSO METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME
 SEE ALSO METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS, VASOPRESSIN RESISTANCE
 SEE ALSO METABOLIC DISORDERS INBORN, HARTNUP DISEASE
 SEE ALSO METABOLIC DISORDERS (INBORN), IMINOGLYCINURIA
 SEE ALSO METABOLIC DISORDERS INBORN, RENAL GLYCOSURIA
 SEE ALSO METABOLIC DISORDERS (INBORN), RENAL TUBULAR ACIDOSIS
 SEE ALSO METABOLIC DISORDERS INBORN, RENAL TUBULAR TRANSPORT DISORDERS INBORN
 SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
 PO1AM-00002-28 0011 Metabolic and hereditary disorders - Lipoproteins and lipid transport (human, cattle)
 ** RO1AM-06365-12 Exocrine gland function in cystic fibrosis (human, rats)
 ** RO1AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 ** PO1AM-13385-06 0002 Cystic fibrosis - Sodium transport and intestinal membrane permeability (human)

- PO2AM-13430-05 0001 Research and heredity clinic - Hemolytic anemias (human)
 ** RO1AM-13668-04 0001 Pathology of biomedical disorders in vitro - Cystic fibrosis (human)
 ** RO1NS-05096-11 0007 New amino acid disorders in cerebral disease - Amino acid transport disorders in infancy and childhood
 ** RO1NS-05096-11 0014 New amino acid disorders in cerebral disease - Diagnosis of metabolic and transport disorders of the fetus (human)
 RO1NS-06856-08 Storage disease - Intracellular transport and digestion (human, animals, plants)
 ** RO1NS-11815-04 Defective ion movement in muscular dystrophy (mice, rat, hamster, chicken, human)
 MO1RR-00039-14 0079 General clinical research center - Inborn error in transport of basic amino acids (human)

METABOLIC DISORDERS INBORN, UREA CYCLE

- ** PO1GM-20124-02 0002 Center for human genetics and inherited disease - Hereditary metabolic diseases in cultured liver cells (human, rats)
 ** PO1HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)

METABOLIC DISORDERS INBORN, UREA CYCLE, ARGINEMIA

- PO1HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)

METABOLIC DISORDERS INBORN, UREA CYCLE, ARGININOSUCCINIC ACIDURIA

- RO1CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
 PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit

METABOLIC DISORDERS INBORN, UREA CYCLE, CITRULLINEMIA

- PO2CA-13053-03 0090 Clinical cancer radiation therapy research center - Detection of inborn errors of metabolism (human)
 PO1GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)

METABOLIC DISORDERS INBORN, UREA CYCLE, HYPERAMMONEMIA (GENERAL)

- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, LYSINEMIA
 SEE ALSO METABOLIC DISORDERS INBORN, UREA CYCLE
 PO1GM-21054-01 0008 Human genetics center - New genetic syndromes
 ** MO1RR-00125-11 0170 General clinical research center - adult-child - Liver enzymes of urea cycle in primary hyperammonemia
 ** MO1RR-00125-11 0194 General clinical research center - adult-child - Lactulose treatment of hyperammonemia
 ** MO1RR-00125-11 0234 General clinical research center - adult-child - Evaluation of protein intolerance

METABOLIC DISORDERS INBORN, UREA CYCLE, HYPERAMMONEMIA II

- PO1HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
 PO1HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)
 ** MO1RR-00081-12 0030 General clinical research center, premature infants - Hepatic ornithine transcarbamylase deficiency
 ** MO1RR-00125-11 0235 General clinical research center - adult-child - Ornithine transcarbamylase deficiency

METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

- SEE ALSO METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME
 SEE ALSO METABOLIC DISORDERS INBORN, HYPOPHOSPHATASIA
 SEE ALSO METABOLIC DISORDERS (INBORN), RENAL TUBULAR ACIDOSIS
 RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
 ** PO1AM-09650-10 0013 Hormonal and ionic control of metabolism - Vitamin D metabolism in man
 ** PO1AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings
 ** RO1AM-15730-06 Abnormal blood cell membranes in disease (human)
 RO1AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
 PO1AM-16764-02 0006 Disorders of renal acidification - Role of parathyroid in renal tubular disfunctions (human, rats, dogs)
 RO1AM-16768-03 Radioimmunoassay of parathyroid hormone in man

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly in above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-16905-01 Vitamin D action—Effect of minerals (dogs, rats, chickens)
 P01AM-17433-01 0017 Cardiovascular, metabolic aspects of membrane transport - Anion transport defects in red cells (human)
 P02CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
 P01GM-16492-06 0014 Design of chemotherapeutic agents - Mass spectrometry-Urinary conjugates of cholecalciferol and dihydroxycholecalciferol
 ** P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 P01HD-05894-04 0006 Genetic childhood diseases and aging - Parathyroid assays in relation to cellular immunity and aging (human)
 P01MS-10939-02 0005 Cerebral blood flow and metabolism in stroke and shock - Diphosphoglycerate and hemoglobin-oxygen affinity on cerebral oxygenation
 M01RR-00037-14 0132 General clinical research center - Renal function, growth and bone disease in children
 ** M01RR-00046-14 0023 General clinical research center - Vitamin D-resistant rickets (children)
 ** M01RR-00051-13 0110 General clinical research center - Vitamin D resistant rickets (human)
 ** M01RR-00062-12 0019 Clinical research center, children - Hypophosphatemia and vitamin D resistant rickets
 ** M01RR-00069-12 0065 General clinical research center, children - Treatment of vitamin D resistant rickets
 ** M01RR-00079-12 0119 General clinical research center - Role of parathyroid hormone in familial hypophosphatemic rickets (human)
 M01RR-00086-12 0022 General clinical research center - Metastatic and metabolic bone disease (human)
 ** M01RR-00086-12 0031 General clinical research center-children - Vitamin D metabolism in vitamin D resistant rickets
 ** M01RR-00096-14 0055 Clinical research center - Vitamin D resistant rickets response to 25-chloroxycholecalciferol (human)
 ** M01RR-00123-11 0036 General clinical research center-Children - Vitamin D deficient and vitamin D resistant rickets
 ** M01RR-00125-11 0169 General clinical research center-adult-child - Intestinal phosphate transport in familial hypophosphatemic rickets
 ** M01RR-00628-04 0040 General clinical research center for children - Hypophosphatemic-Vitamin 'D' resistant rickets
 M01RR-00722-02 0018 General Clinical Research Center - Skeletal dysplasia (human)
- METABOLIC DISORDERS INBORN, XERODERMA PIGMENTOSUM**
 R01AM-16002-02 DNA repair mechanism in systemic lupus erythematosus (mice)
 R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
 R01CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
 R01CA-12428-04 DNA repair and its relationship to carcinogenesis
 R01CA-12763-03 Mutation repair and environmental carcinogens
 R01CA-14235-02 Neoplasia-predisposing genes in man
 R01CA-14680-01 Role of mutagenesis in chemical carcinogenesis
 P01ES-00454-06 0024 Biological effects of environmental agents - Repair mechanisms in genetic damage and influence of environmental agents (human)
- METABOLIC DISORDERS INBORN DIAGNOSIS***
 R01AM-05365-12 Exocrine gland function in cystic fibrosis (human, rats)
 ** R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
 R01AM-09406-11 0004 Genetic diseases - Collagen metabolism (human)
 ** R01AM-09406-11 0006 Genetic diseases - Pyrimidine metabolism
 R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
 P01AM-13385-06 0004 Cystic fibrosis - Lysosomal enzymes in cultured lymphoid cells (human)
 ** R01AM-13428-06 Carrier detection and selection in cystic fibrosis (human, shrimp)
 ** R01AM-13660-04 0001 Pathology of biomedical disorders in vitro - Cystic fibrosis (human)
 ** R01AM-14388-05 Ciliary action related to cystic fibrosis (human)
 ** R01AM-14755-04 Diagnosis and therapy of Gauchers disease (human, rats, rabbits)
 R01AM-14834-04 Phenylalanine hydroxylase, PKU detection (rodents, human)
 R01AM-16127-04 Pathologic synthesis of collagen (human, rats)
 ** R01AM-16398-01 Lipid composition of cultured human skin fibroblasts (children, adults)
 P01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
 M P01AM-17040-01 The basic defect in cystic fibrosis
- ** P01AM-17040-01 0001 The basic defect in cystic fibrosis - Ciliary inhibitor isolation and characterization (human, oysters, dogs)
 ** P01AM-17040-01 0002 The basic defect in cystic fibrosis - Growth and cytogenetics of CF cells in vitro (human, Chinese hamster ovary cells)
 ** P01AM-17040-01 0003 The basic defect in cystic fibrosis - Ultrastructure and histochemistry of CF cells (human, oysters)
 ** P01AM-17040-01 0004 The basic defect in cystic fibrosis - Immunoassay of CF factor in patients and carriers (human, monkeys)
 ** P01AM-17040-01 0006 The basic defect in cystic fibrosis - Surface membranes and enzymes (human)
 P17AM-17042-01 0011 Diabetes endocrinology research center - Three forms of childhood diabetes mellitus
 ** R01AM-17486-01 Identification of carrier state of Wilson's disease (human)
 ** R01AM-17524-01 0001 Role of ciliostatic factor in cystic fibrosis - Isolation of the ciliostatic factor (human)
 R01AM-17524-01 0002 Role of ciliostatic factor in cystic fibrosis - Ciliostatic reversal by heparin therapy (human, oysters)
 ** R01AM-17524-01 0003 Role of ciliostatic factor in cystic fibrosis - Effects of ciliary inhibitor on cultured skin fibroblast (human, oysters)
 ** R01AM-17524-01 0004 Role of ciliostatic factor in cystic fibrosis - Regulatory control of membrane phospholipids in CF (human)
 ** R01AM-17524-01 0005 Role of ciliostatic factor in cystic fibrosis - Biogenic amino binding to carbohydrases and ciliostasis (human)
 ** R01AM-17529-01 Biochemical and clinical studies in Gaucher's disease (human)
 ** P02CA-13053-03 0090 Clinical cancer radiation therapy research center - Detection of inborn errors of metabolism (human)
 ** P01DE-02872-05 0030 Craniofacial anomalies - Atopic dermatitis (human)
 ** P01GM-18252-04 0003 Automation of ultramicroanalyses of macromolecules - Medical-clinical (human, mice)
 ** P01GM-19100-03 0001 Genetics research center - Detection center for erythrocyte abnormalities (human)
 ** P01GM-19100-03 0007 Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)
 P01GM-19100-03 0025 Genetics research center - Hexosaminidase activities and properties (human, rats)
 P01GM-19100-03 0027 Genetics research center - Somatic cell genetics (mice, hamsters, chickens, human)
 ** P01GM-19443-03 0039 Problems in clinical genetics - Marotau-Lamy syndrome
 P01GM-19443-03 0040 Problems in clinical genetics - Fucosidosis
 ** P01GM-19443-03 0041 Problems in clinical genetics - Gaucher's disease (human)
 P01GM-19443-03 0042 Problems in clinical genetics - Hurler's syndrome (human)
 ** P01GM-20832-01 0001 Genetic research project - Body fluids gas chrom./mass spec. of inborn errors (adults, infants)
 M01HB-42947-00 Isolation and evaluation of products from plasma fractionation (human, animals)
 ** R01HD-03967-09 Detection and study of inborn errors (human)
 ** R01HD-04331-04 Mental retardation-Defect in Hurler syndrome (human, dogs, rats)
 P01HD-04665-04 0008 Metabolic abnormalities in mental retardation - Pathology and metabolic aspects of the mucopolysaccharidoses (rats, human)
 ** P01HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 ** P01HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
 P01HD-06321-02 0001 Genetic aspects of human fetal development - Inherited metabolic diseases in the fetus (human, dogs)
 ** R01HD-06575-02 Metabolic studies in methylmalonic acidemia (human, rats)
 ** R01HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
 R01HD-07773-01 Beta-galactosidase activity related to mental retardation (human)
 ** R01MS-06856-08 Storage disease-intracellular transport and digestion (human, animals, plants)
 R01MS-10698-01 Beta-galactosidase isoenzymes (human)
 R01MS-10885-02 Chemical pathology of neurological disorders (human, dogs)
 ** M01RR-00036-14 0102 General clinical research center - Inborn metabolic error-Identification of enzymatic defect (human)
 M01RR-00037-14 0121 General clinical research center - Disorders of mucopolysaccharide metabolism (human)
 ** M01RR-00047-14 0004 General clinical research center - Degradation of mucopolysaccharides by leukocyte transfusions (human)
 M01RR-00047-14 0069 General clinical research center - Genetic mucopolysaccharidoses (human)
- M01RR-00052-13 0009 General clinical research center for children - Degenerative diseases of central nervous system
 M01RR-00052-13 0013 General clinical research center for children - Dietary treatment of phenylketonuria
 ** M01RR-00052-13 0044 General clinical research center for children - Syndrome of See-blue histocytes
 ** M01RR-00052-13 0046 General clinical research center for children - Evaluation of a new defect in amine acid transport
 M01RR-00059-13 0133 General clinical research center - Myotonic dystrophy and differential diagnosis (human)
 M01RR-00069-12 0071 General clinical research center, children - Detection of hypercholesterolemia in neonates
 M01RR-00069-12 0091 General clinical research center, children - Study of a possible storage disease
 ** M01RR-00071-11 0056 General clinical research center - Clinical genetics center (human)
 ** M01RR-00075-11 0043 General clinical research center for children - Degenerative central nervous system disease
 ** M01RR-00084-13 0039 General clinical research center-children - Glucose tolerance tests and glucose-insulin ratios
 M01RR-00086-12 0021 General clinical research center-children - Metabolic studies of hyperphenylalaninemia (phenylketonuria, diagnosis)
 ** M01RR-00125-11 0213 General clinical research center-adult-child - The Q-tC interval as an index of hypocalcemia
 M01RR-00240-10 0097 General clinical research center-Children - Fructose-1,6-diphosphatase enzyme deficiency
 M01RR-00261-09 0073 General clinical research center - Gastrointestinal allergy
 M01RR-00305-08 0019 Clinical research center for children - Phagocyte function in health and disease
 ** M01RR-00305-08 0046 Clinical research center for children - Inborn error of glycosphingolipid and mucopolysaccharide metabolism
 M01RR-00350-08 0092 General clinical research center - Genetic determinants of familial hyperparathyroidism types IV and V (human)
 General clinical research center - Mechanism of familial homozygous type II hyperparathyroidism (human)
 M01RR-00400-06 0039 General clinical research center-adult - Oculocutaneous pigment defects, blocks and treatment (human)
 M01RR-00400-06 0041 General clinical research center-adult - Oculocutaneous pigment defects, blocks and treatment-study 2 (human)
 M01RR-00400-06 0042 General clinical research center-adult - Iesulin release and reserve in cystic fibrosis (human)
 M01RR-00400-06 0055 General clinical research center-adult - Glycosphingolipidoses and related diseases (human)
 ** M01RR-00827-01 0016 General clinical research center - Investigation of inborn errors of metabolism using C13 (human)
- METABOLISM***
 SEE ALSO BIOENERGETICS
 SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
 SEE ALSO CARBOHYDRATES METABOLISM
 SEE ALSO FATTY ACIDS METABOLISM
 SEE ALSO LIPIDS METABOLISM
 SEE ALSO NITROGEN BALANCE
 SEE ALSO NITROGEN FIXATION
 SEE ALSO NUCLEIC ACIDS METABOLISM
 SEE ALSO PHOTOSYNTHESIS
 SEE ALSO PROTEINS METABOLISM
 SEE ALSO RESPIRATORY GAS FIXATION, CARBON DIOXIDE FIXATION
 P01AA-00212-06 0005 Oklahoma center for alcohol related studies - Metabolism and metabolic factors (swine)
 ** R01AA-00272-04 Platelet utilization and metabolism in alcoholism (human)
 R01AA-00296-03 Effects of alcohol on monoamine metabolism (rats)
 ** R03AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)
 ** R01AA-01761-01 Alcohol metabolism in four ethnic groups in Hawaii
 ** R01A-11819-01 Naphthoquinone metabolism in plants and bacteria
 ** R01AM-07141-11 Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human)
 R01AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
 P02AM-10202-08 0001 Studies in human nutrition - Optimal weight reduction diet in obesity (human)
 P02AM-10202-08 0004 Studies in human nutrition - Effects of wise on metabolic functions in man
 ** R01AM-11356-07 Ion transfer and metabolism in mammalian red cells (human, dogs)
 ** R01AM-11748-07 0005 Regulation of metabolic processes - Metabolism of mammary glands (rats)
 ** R01AM-11748-07 0007 Regulation of metabolic processes - Biochemical investigation in relation to transplant surgery
 ** R01AM-13953-04 Correlation of ion transport with metabolism (turtles)
 R01AM-14485-03 Work and muscle energetics (frogs)
 ** R01AM-15163-05 Vitamin B12 and folic acid metabolism (human, rodents)

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**Oriented significantly to above subject.

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- R01AM-15468-02 Pyruvate carboxylase in metabolic regulation invertebrates, (vertebrates)
- R01AM-16654-02 0002 Nutrition and muscle protein turnover by new methods - Effect of various physiological and pathological conditions (rats, mice, dogs)
- R01AM-16654-02 0003 Nutrition and muscle protein turnover by new methods - Studies with human subjects
- M P17AM-17624-01 Obesity center
- R01CA-12973-03 Tumor lipids-Metabolism and structural studies
- P01CA-13330-03 0059 Cancer research program - Biosynthesis of proline (chickens)
- R01CA-14969-02 0006 Radionuclide studies of tumors and growth - Microcrystalline colloids as a new tool in nuclear medicine
- P01CA-15936-01 0801 Specialized Cancer Center - Preclinical chemotherapy (mammals, human)
- R26CA-16382-01 Metabolic epidemiology of colon cancer (human)
- N01CP-43312-00 Metabolic studies on tobacco smoke constituents (mammals)
- N01CP-45610-00 Studies of mammalian cell transport system
- R01DA-00114-03 Effect of narcotic agents on brain metabolism (rats)
- P01DE-02953-06 0014 Developmental biology of calcified tissues - Regulation of collagen metabolism in connective tissues (rats)
- R01ES-00254-12 Selenium metabolism (bacteria, plants, rats, mice)
- R01ES-00634-03 Biochemistry of arsenate (plants)
- R01ES-00640-01 Aflatoxin metabolism by human liver
- R01ES-00654-01 Photosynthesis and herbicide metabolism
- P01ES-00928-01 0009 Environmental agents-Relation to human health effects - Benzopyrene metabolism in man
- R01FD-00041-05 Biochemical mechanisms for hexachlorophene toxicity (rats)
- R01GM-03545-20 Metabolism and active ion transport in frog skin
- P01GM-10402-12 0007 Zoophysiology in Alaska - Metabolism during hibernation hypothermia (squirrels)
- P01GM-10402-12 0024 Zoophysiology in Alaska - Metabolism and temperature regulation of marine mammals (seals, small birds)
- P01GM-15430-07 0016 Research in anesthesia - Cerebral blood flow (human, goats)
- P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- R01GM-20393-01 Genetic control of temperature acclimatization in insects (*Drosophila*)
- R01GM-20443-02 Construction of biologically important lactones (plants)
- R01GM-20884-01 Deoxyribonucleotide metabolism in *Escherichia coli*
- P01HD-06576-01 0002 Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
- P01HD-06576-01 0003 Molecular aspects of mental retardation - Disorders of pyruvate metabolism (human, animals)
- R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
- P01HD-07578-01 0001 Growth and nutrition of normal infants - Normative data (human)
- R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
- P01HD-07951-01 Biochemistry of development and regulation (silkworms)
- R01HD-06496-01 Metabolic changes in preimplantation mouse eggs
- P01HL-06285-14 0208 Cardiovascular-respiratory physiology and biochemistry - Composition, properties and turnover of pulmonary surfactant (human, animals)
- P01HL-06285-14 0209 Cardiovascular-respiratory physiology and biochemistry - Metabolic studies of isolated lung cells (human, animals)
- P01HL-06312-13 0034 Surgical cardiology - Metabolic factors in cardiac function-Creative phosphate depletion (dogs)
- P01HL-06336-14 0045 Cardiovascular program project - Electrical fibrillation, myocardial metabolism and blood flow (dogs)
- P01HL-08195-12 0018 Circulatory physiology - Metabolic effects of glucagon (human, rats)
- P01HL-08895-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish-Estivation and submergence
- P01HL-08974-10 0023 Natural and experimental atherosclerosis - Cholesterol metabolism and dietary hypercholesterolemia (monkeys)
- P01HL-08974-10 0024 Natural and experimental atherosclerosis - Sterol degradation (baboons, monkeys)
- P01HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
- P01HL-10436-09 0002 Congenital heart disease - Myocardial performance and metabolism in hearts of large animals (dogs, calves)
- P01HL-10436-09 0004 Congenital heart disease - Myocardial performance and metabolism in hearts of small animals
- P01HL-11414-07 0028 Thrombosis and atherosclerosis program - Catecholamine metabolism in the lung (rats)
- R01HL-12879-05 Pulmonary transport and metabolism in vivo (dogs, human)
- P01HL-14179-04 0016 Center for the study of lung disease - Adaptive metabolic features in disease (rabbits)
- R01HL-14456-02 Lung metabolism-Enzymes in the pulmonary circulation (rats, dogs)
- P01HL-14461-03 Cardiac metabolism in heart failure (rats, guinea pigs)
- P18HL-15169-03 0008 Comprehensive sickle cell disease center - Evaluation of hemoglobin anabolism and catabolism in sickle cell disease (human)
- R01HL-15304-02 Spontaneous arteriosclerosis-Ground substance changes (
- R01HL-15407-02 Physiological changes and lung metabolic functions (dogs)
- P18HL-16008-02 0003 Wayne State University comprehensive sickle cell center - Red blood cell status vs severity of disease (human)
- P01HL-16118-01 0006 Mechanisms in the remodeling of lung structure - Metabolism of elastin (human, rats)
- P01HL-16528-01 Lactate metabolism in the lung (rats)
- R01HL-16725-01 Physiological regulation of pulmonary surfactant (dogs)
- P01HL-16949-01 Lung uptake and metabolism of plasma-borne substances (rats)
- R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
- R23HL-17204-01 Metabolism of vasoactive hormones by newborn lung (rabbits)
- R01MH-04151-14 0009 Psychology and physiology of sleep - Genetic determination of sleep in mice
- P01NS-02808-13 0022 Special clinical research project in neurophysiology - Metabolic changes in epileptogenic tissues in interictal and ictal states (human)
- P01NS-03346-13 0013 Research center for cerebrovascular disease - Neonatal anoxia-ischemia (dogs)
- P01NS-03346-13 0014 Research center for cerebrovascular disease - Coupling of cerebral blood flow and metabolism (mice)
- P01NS-03356-14 0045 Neurological clinical research center - Cholesterol esterifying enzymes (rats)
- R01NS-05961-09 Metabolism of the brain (dogs)
- R01NS-06575-08 Metabolic processes of the inner ear (chinchillas, guinea pigs)
- R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- P01NS-06833-08 0009 Interdisciplinary stroke program - Metabolism in sickle cell anemia (human)
- P01NS-07463-04 0002 Cerebrovascular research center - Biochemical and ultrastructural studies (guinea pigs, gerbils)
- R01NS-07507-07 Cerebral metabolism and blood flow during anesthesia (dogs, primates)
- R01NS-09948-03 Transport of materials by the choroid plexus (cats, rabbits)
- P01NS-10711-02 Genetic study of metabolism of neural transmitters (human, mice)
- R01NS-11053-01 Nonmast cell histamine in the brain (rats)
- M01RR-00035-14 0065 General clinical research centers - Steroid metabolism (human)
- M01RR-00044-14 0078 General clinical research center - Endocrine and metabolic effect of high doses of anabolic steroids (human)
- M01RR-00044-14 0093 General clinical research center - Metabolic and endocrine study of disturbed growth and development in children
- M01RR-00055-13 0045 Clinical research center - Identification on new acidic metabolites of cortisol in man
- P07RR-00273-09 0001 Mass spectrometric facility for biomedical research - Core research in secondary metabolism (penicillium brevicompactum)
- P07RR-00273-09 0016 Mass spectrometric facility for biomedical research - Metabolic pathways used by microorganisms to assimilate hydrocarbons

METABOLISM, BIOTRANSFORMATION

SEE ALSO TOXICOLOGY, DETOXICATION

- R01AM-01921-17 Transport processes in mammalian cells (human, rodents)
- R01AM-02019-17 Mechanism of bile pigment excretion (human, rats)
- P01AM-07462-11 0047 Hormonal regulation of metabolism - Hepatic metabolism of genetically diabetic mice
- P01AM-07462-11 0048 Hormonal regulation of metabolism - Carbohydrate and cyclic AMP metabolism in diabetic rats
- P01AM-07462-11 0049 Hormonal regulation of metabolism - Mechanisms of action of catecholamines in liver
- P01AM-07462-11 0061 Hormonal regulation of metabolism - Cerebral energy metabolism
- P02AM-08657-10 0009 Clinical metabolic research unit - Metabolism of estrogens in man
- P02AM-08657-10 0015 Clinical metabolic research unit - Parenteral hyperalimentation in alcoholic hepatitis (human)
- R01AM-09406-11 0004 Genetic diseases - Collagen

- R01AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
- P01AM-10558-09 0001 Peptide hormones affecting calcium metabolism - Calcium metabolism (rats, pigs)
- R01AM-10558-09 0018 Peptide hormones affecting calcium metabolism - Calcium metabolism in the crayfish
- R01AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
- R01AM-11384-08 Hepatic organic anion transport mechanisms (sheep, horses, dogs, rats)
- P01AM-11748-07 0001 Regulation of metabolic processes - Effects of amino acids on liver metabolism (rats)
- P01AM-11748-07 0002 Regulation of metabolic processes - Effect of ethanol on liver metabolism (rats)
- P01AM-11748-07 0003 Regulation of metabolic processes - Effects of adenosine on liver metabolism (rats)
- P01AM-11748-07 0004 Regulation of metabolic processes - Regulation of pentose phosphate cycle (rats)
- R01AM-13328-04 Intestinal role in lipoprotein metabolism (rats, human)
- R01AM-13468-05 Intestinal estrogen metabolism in cirrhosis (dogs, human)
- R01AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
- R01AM-16350-02 Vitamin E metabolism in skin (rats)
- R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
- R01AM-16497-02 0022 Normal and disordered thyroid hormone economy - Peripheral conversion of T4 to T3 in man
- R01AM-16552-01 Hepatic excretion of anionic drugs
- R01AM-16678-01 Role of the mitochondria in hepatic drug metabolism (rats)
- R01AM-16690-02 Folic acid binding protein and folate metabolism (human)
- R01AM-16715-03 Anesthetic-drug interactions with the liver (rats)
- R01AM-16793-01 Regulation of metabolism
- R01AM-16858-02 Thiazide effects on calcium metabolism (rats)
- R01AM-16926-02 Parathyroid hormone and 3',5'-AMP in calcium metabolism
- P17AM-17026-01 0001 Vanderbilt University Diabetes-Endocrinology Center - Autonomic control over metabolic homeostasis (rats)
- P17AM-17026-01 0006 Vanderbilt University Diabetes-Endocrinology Center - Degradation of insulin by plasma membranes of rat adipocytes
- P17AM-17026-01 0008 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of liver metabolism
- P17AM-17026-01 0015 Vanderbilt University Diabetes-Endocrinology Center - Regulatory mechanisms in lipid metabolism (rats)
- P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
- P17AM-17026-01 0024 Vanderbilt University Diabetes-Endocrinology Center - Control by insulin of cyclic AMP metabolism in rat liver (rats)
- P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation
- P17AM-17026-01 0027 Vanderbilt University Diabetes-Endocrinology Center - Nutrient dynamics in genetically obese rodents (rats, mice)
- P17AM-17026-01 0031 Vanderbilt University Diabetes-Endocrinology Center - Polyl pathway and the glucuronate-xylose cycle in diabetes
- P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
- P17AM-17026-01 0044 Vanderbilt University Diabetes-Endocrinology Center - Action of insulin on heart cyclic AMP-dependent protein
- P17AM-17026-01 0045 Vanderbilt University Diabetes-Endocrinology Center - Prostaglandin synthesis in diabetes (human)
- R01AM-17057-01 Synthesis of vitamin D3 metabolites
- R01AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
- R01AM-17113-01 5-Oxoproline, aminoacidurias and mental retardation (human, rats, mice, dogs)
- P01AM-17236-01 Quantitative studies of metabolic dynamics (dogs)
- R01AM-17456-02 Fat mobilization and protein sparing therapy (human, rats)
- P01AM-17521-01 Effect of ethanol and other drugs on folate metabolism (human)
- P01AM-17707-01 Vitamin D metabolism in man
- R01CA-02568-20 0001 Free amino acids in normal and neoplastic tissues - Nitrogen metabolism of tumor cells by solar radiation - Detoxification and metabolism of psoralens in mice and man
- P01CA-05671-14 0011 Glucocorticoid receptors in normal and malignant tissue - Cyclic AMP (rats)
- P01CA-07304-11 0020 Steroid hormone production and metabolism in cancer - Biotransformations of estrone sulfate (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-08341-09 0044 Clinical pharmacology and cancer chemotherapy - Assay for the detection of chemical mutagens
- R01CA-10250-08 Glyceral-P dehydrogenase in differentiation and cancer (rodents, rabbits, rats)
- ** R01CA-12109-04 0023 Trophoblastic disease - Effects of neoplastic disease on carbohydrate metabolism
- ** R01CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)
- R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- R01CA-14659-02 Nitrosamines—Mechanisms of metabolism and mode of action
- R26CA-15400-02 Mechanism of action of colon carcinogenesis (rodents)
- R01CA-15435-02 0002 Pharmacokinetics of brain tumor chemotherapy - Therapeutic efficiency of 5-fluorouracil (rats, monkeys)
- R01CA-16954-01 Homoprotein-catalyzed oxygenations of carcinogens
- R01DA-00697-01 Biochemical mechanisms of narcotic analgesic action (rats)
- R01DA-00732-01 Methadone dose-plasma level-effect relations in man
- ** R01DA-00990-01 Disposition of drugs of abuse in man
- R23DE-03402-03 Identification and turnover of lipids in dental pulp (rats, dogs, cattle, human)
- R01DE-03764-01 Atypical facial pain and disturbed oral sensation (human)
- P10ES-00002-12 0006 Occupational and environmental health - Modification of toxicity of chlorinated aliphatics (rats)
- P01ES-00040-10 0004 Environmental toxicology of pesticides - Comparative metabolism of chemical toxicants (plants, rats)
- P01ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
- M P01ES-00049-10 Mode of action and metabolism of organic toxicants
- ** P01ES-00049-10 0002 Mode of action and metabolism of organic toxicants - Pyrethroids metabolism (rats, mice, flies)
- P01ES-00049-10 0008 Mode of action and metabolism of organic toxicants - Toxaphene (rats, insects, plants, microorganisms)
- P01ES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone—Metabolism and photoalteration (mice, rats, fish)
- P01ES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals—Metabolism and photodecomposition (rodents)
- P01ES-00049-10 0011 Mode of action and metabolism of organic toxicants - Respiratory uncouplers—Metabolism and photodegradation (mites)
- P01ES-00049-10 0013 Mode of action and metabolism of organic toxicants - Organophosphorus insecticides—Selective toxicity, terminal residues (rats)
- ** P01ES-00049-10 0014 Mode of action and metabolism of organic toxicants - Thionophosphorus insecticides—Mixed function oxidase system (rodents, flies)
- P01ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
- P01ES-00049-10 0018 Mode of action and metabolism of organic toxicants - Juvenoids—Radiosynthesis, metabolism, photoalteration (insects, algae)
- P01ES-00049-10 0019 Mode of action and metabolism of organic toxicants - Thiocyanate insecticide chemicals—Metabolism and mode of action (flies, mice)
- P01ES-00049-10 0020 Mode of action and metabolism of organic toxicants - N-chloroallylthio fungicides—Metabolism and terminal residue (rodents)
- P01ES-00049-10 0021 Mode of action and metabolism of organic toxicants - Arythiouras—Metabolism and mode of action (mice, Drosophila)
- P01ES-00049-10 0022 Mode of action and metabolism of organic toxicants - Thiocarbamate herbicides—Metabolism and mode of action (mice, plants)
- P01ES-00049-10 0026 Mode of action and metabolism of organic toxicants - I-Benzoyl-3-phenylurea—Metabolism and mode of action (insects)
- ** P01ES-00054-10 0011 Environmental impact of chlorinated hydrocarbons - Translocation of hydrocarbons in aquatic food chain (algae, insects, fish)
- ** P01ES-00054-10 0012 Environmental impact of chlorinated hydrocarbons - Accelerated microbial degradation
- ** P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
- ** P10ES-00159-09 0010 Center for study of the human environment - Interaction of copper, zinc, and environmental chemicals and lipid metabolism
- P10ES-00159-09 0026 Center for study of the human environment - Lung perfusion model for steroid metabolism study (rats, rabbits)
- P10ES-00159-09 0027 Center for study of the human environment - Metabolic excretion from chlorinated hydrocarbon insecticides
- ** P10ES-00267-07 0006 Center for environmental toxicology - Metabolism of phosphorothionate insecticides (rats)
- P01ES-00454-06 0023 Biological effects of environmental agents - Mutagens, carcinogens, nucleic acids and cell transformation (hamsters)
- ** R01ES-00537-04 Enzymatic oxygen fixation into aromatic hydrocarbons (bacteria)
- P01ES-00735-01 0002 Public health hazards and environmental fate of parathion - Penetration, uptake and degradation products (fruits, vegetables)
- R01ES-00974-01 Renal handling of DDA and its implications (flounder)
- ** R01ES-00986-01 Biodegradation of the phthalates by bacteria
- ** R01ES-00994-01 Biodegradation of phthalic acids and esters
- M P01ES-01059-01 Metallic mercury vapor as an environmental hazard
- ** P01ES-01059-01 0002 Metallic mercury vapor as an environmental hazard - Pharmacokinetics of inhaled mercury vapor (human, animals)
- R01FD-00472-02 Organic metabolites of selenium (rats, chickens, swine, cattle)
- ** R01FD-00576-01 Metabolism of Di-t-butylhydroxytoluene (BHT)
- P01GM-11301-12 0068 Structure, function and biosynthesis of macromolecules - Control of gene expression and metabolic pathways (chick embryo)
- P01GM-12527-10 0001 Anesthetic and related drugs - Uptake, distribution and metabolism (human, animals)
- ** P01GM-13543-09 0018 Cellular and molecular pathology - Drug metabolizing systems in livers of hospitalized patients (rats)
- ** P11GM-14270-08 0047 Human drug metabolism and toxicology - Novel approaches towards the assay of drugs
- P01GM-14546-08 0043 Influence of acute illness and injury on energy - 3-Methylhistidine as index of muscle protein catabolism during injury (human)
- P01GM-14546-08 0044 Influence of acute illness and injury on energy - Metabolism of carbon-14-3-methylhistidine in man
- ** P01GM-14546-08 0047 Influence of acute illness and injury on energy - Injury and sepsis—Hepatic and forearm metabolism (human)
- P01GM-14546-08 0048 Influence of acute illness and injury on energy - Injury and sepsis—Specific dynamic action (human)
- P01GM-14546-08 0050 Influence of acute illness and injury on energy - Plasma and urine ribonuclease as an indicator of nutritional status (human)
- ** P11GM-15431-08 0009 Research center for clinical pharmacology and drug toxicology - Conversion of ethyl arachidonate to prostaglandins in man
- P11GM-15431-08 0047 Research center for clinical pharmacology and drug toxicology - Prostaglandin metabolites in urine reflecting renal synthesis (human, rabbits)
- ** P11GM-15431-08 0049 Research center for clinical pharmacology and drug toxicology - Measurement of the major metabolites of PGE2 and PGE1 (human)
- ** P11GM-15431-08 0050 Research center for clinical pharmacology and drug toxicology - Assay for the major circulating metabolite of PGE2
- P11GM-15559-07 0036 Clinical pharmacology - Drugs and connective tissue metabolism (human)
- P01GM-16496-06 0001 Clinical pharmacology—Pharmacokinetics - Pharmacology, pharmacokinetics and metabolism of lidocaine (primates)
- R01GM-16498-06 Metabolism of volatile fluorinated anesthetics in man
- R01GM-16501-06 Computer modeling of cardiac and hepatic metabolism (rats, mice)
- R01GM-17158-03 Metabolism of volatile anesthetics (human, rats)
- ** R01GM-19103-03 Investigations of metabolic systems (plants)
- R01GM-19815-02 Metabolic study of hypocholesteremic pyridine (rats, monkeys)
- ** R01GM-20340-01 Circadian rhythms in drug response and drug metabolism
- R01GM-20730-01 Perfluorocytlobromide in myelography and lymphography
- ** R01GM-21042-01 Regulation of biotransformation in the liver
- ** R01HD-01269-12 Control of metabolism in tetrahymena
- ** R01HD-04839-05 0002 Metabolism of drug substrates by human placenta - Substrate specificity of placental drug metabolizing systems
- ** R01HD-04839-05 0003 Metabolism of drug substrates by human placenta - Biotransformation of polycyclic aromatic hydrocarbons in placenta
- R01HD-04839-05 0004 Metabolism of drug substrates by human placenta - N-hydroxylation and N-oxidation reactions (rats, monkeys)
- R01HD-04839-05 0005 Metabolism of drug substrates by human placenta - Biochemical analyses of human placental particulate fractions
- R01HD-04839-05 0006 Metabolism of drug substrates by human placenta - Deamination reactions (human)
- R01HD-08954-01 Neonatal nutrition—Development of fat absorption (dogs, monkeys)
- R01HL-02965-18 0003 Metabolism of plasma lipoproteins - Metabolism of constituent proteins of rat lipoproteins
- R01HL-09489-09 0001 Myocardial lipid metabolism and regulation - Polyunsaturated fatty acid metabolism (rats)
- R01HL-09921-09 0001 Mechanisms of congestive heart failure - Pathways of excretion of aldosterone radiometabolites in rats
- R01HL-09921-09 0002 Mechanisms of congestive heart failure - Effects of ouabain on tissue distribution and metabolism of aldosterone (rats)
- R01HL-09921-09 0003 Mechanisms of congestive heart failure - Effect of sodium deprivation on tissue uptake and metabolism of aldosterone (rat)
- R01HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
- R01HL-12706-06 Angiotensin analogs and the adrenal gland (animals)
- R01HL-13612-04 0003 Human arteriosclerosis - Cholesterol metabolism—Diffusion model vs compartment model in kinetics
- R01HL-13612-04 0004 Human arteriosclerosis - Cholesterol metabolism—Regulation of serum levels in man
- R01HL-13612-04 0005 Human arteriosclerosis - Cholesterol metabolism—Role of intestinal mucosa (rats)
- R01HL-13612-04 0006 Human arteriosclerosis - Cholesterol metabolism—Intestinal resection
- R01HL-13612-04 0007 Human arteriosclerosis - Cholesterol metabolism—Laghorn chickens with hereditary hyperlipidemia
- R01HL-13612-04 0008 Human arteriosclerosis - Cholesterol metabolism—Isolated liver perfusion technique (rats)
- R01HL-13612-04 0009 Human arteriosclerosis - Cholesterol metabolism—Tissue cholesterol accumulation (rabbits)
- ** R01HL-15556-02 Diets and drugs affecting lipid metabolism (human)
- R01HL-15622-01 Computer simulation in cardiology
- R01HL-15648-02 Lipid metabolism—Human triglyceride lipases (rabbits)
- R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
- ** R01HL-15949-01 Lipoprotein metabolism in relation to atherosclerosis (habeons, chickens, human)
- R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- R23HL-17134-01 Metabolism of xenobiotic compounds in lung (rats, hamsters)
- R10MH-11468-09 0016 Psychopharmacology research center - Measurement of non-hepatic drug metabolism
- R10MH-11468-09 0018 Psychopharmacology research center - 11-Hydroxy and 8,11-dihydroxy metabolites of THC
- R10MH-11468-09 0032 Psychopharmacology research center - Analysis of the level and turnover of acetylcholine (rats)
- R01MH-20946-02 Psychoactive agents in the brain (rats)
- R01MH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone
- R01MH-21327-03 Psychopharmacologic agents and drug metabolism
- R01MH-21638-03 Psychotropic drugs and brain norpinephrine metabolism (human)
- R01MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- M R01MH-26237-01 Biogenic amine and CNS phospholipid metabolism
- R01MH-26237-01 0002 Biogenic amine and CNS phospholipid metabolism - Biogenic amine subcellular and molecular effects on CNS phospholipid metabolism
- R01MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)
- R01NS-06163-09 Cerebral metabolism in newborn and young (children, mice)
- P01NS-09287-04 0005 Baylor center for cerebrovascular research - Hemispheric blood flow and metabolism in cerebrovascular disease (human)
- ** R01NS-10670-02 Computer simulation of brain metabolism
- R01NS-11126-01 Clinical and basic development of new anticonvulsants
- ** R01OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)
- P07RR-00015-12 0084 Medical school computer facility - Simulation of brain metabolism
- P07RR-00015-12 0097 Medical school computer facility - Cerebral blood flow and metabolism (monkeys, puppies)

METABOLISM, FERMENTATION

SEE ALSO HEXOSES, GLYCOLYSIS ANAEROBIC

- ** R01AI-00563-27 Intermediary metabolism of bacteria
- ** R01AI-09467-05 Fermentation interactions in microbial ecosystems (rumen bacteria)
- ** R01AI-12461-01 Fermentation interactions in microbial ecosystems (rumen bacteria)
- ** R01AM-02109-17 Purine and pteridine metabolism in microorganisms
- ** R01CM-43753-01 Drug research, development, evaluation and screening
- R01CM-90035-14 Development of antitumor agents
- R01CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- R01DE-02452-08 Acid production and dental plaque (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIES-00612-04 Biogenesis of the aflatoxins (*Aspergillus*, bacteria, mammals)
- PO1GM-14604-08 0008 Anaerobic bacteriological research program - Fermentation of amino acids by trapezomes
- PO1GM-14604-08 0009 Anaerobic bacteriological research program - Antigenicity and chemistry of *P. Acnes*
- MO1RR-00034-14 0058 General clinical research center - Calcium absorption in lactulose intolerant patients fed dairy products (human)
- ### METABOLISM STUDY SECTION
- RO1AA-00204-03 Alcohol and diet effects on lipid metabolism in heart (rats)
- RO1AA-00205-10 Effects of ethanol in cirrhosis and the fatty liver (rats)
- RO1AA-00288-03 Interaction of drug and ethanol metabolism (perfused liver, rats)
- RO1AA-00289-04 Effects of ethanol on liver metabolism (rabbits)
- RO1AM-00567-21 Regulation of tyrosine and tryptophan metabolism (rats, human)
- RO1AM-00888-19 Prediction and long-term study of future diabetes (human)
- RO1AM-01059-19 Hereditary defects in protein synthesis (human, rats)
- M RO1AM-01392-18 Structure and function of intestinal cell membranes
- RO1AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
- RO1AM-01677-17 Regulatory mechanisms in lipid metabolism (rats, human)
- RO1AM-01921-17 Transport processes in mammalian cells (human, rodents)
- RO1AM-02001-17 Factors that modify insulin action (rats)
- RO1AM-02019-17 Mechanism of bile pigment excretion (human, rats)
- M RO1AM-02131-17 Trace lipids in cell function
- RO1AM-02244-16 Carbohydrate metabolism (human, dogs)
- RO1AM-02483-16 Metabolism of unsaturated fatty acids (rumen bacteria, mice, chickens)
- RO1AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)
- RO1AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- RO1AM-03556-14 Insulin, glucagon, proinsulin (rats, human, pigs)
- RO1AM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
- RO1AM-03854-14 Regulation of insulin degradation (human, cattle, rats)
- RO1AM-04683-14 Proteolytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)
- RO1AM-04706-14 Plasma triglyceride and lipoprotein lipase (rats)
- RO1AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
- RO1AM-04732-13 Influence of nutrition on enzyme systems (rats)
- RO1AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
- RO1AM-05472-13 Lipid transport into cells (human, toads, bacteria)
- RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- RO1AM-05968-14 Lipid metabolism (human, rats)
- RO1AM-05976-13 Carbohydrate and ketone body metabolism (sheep)
- RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- RO1AM-06334-12 Pathogenesis of experimental fatty liver (rats, mice)
- RO1AM-05725-13 Action of insulin on cell membrane (rats)
- M RO1AM-06815-12 Inborn errors of metabolism
- RO1AM-06872-12 Lipolytic activity in adipose tissue (human, rabbits, rats, mice)
- RO1AM-06878-12 Phlorizin inhibition of sugar transport (rats, human)
- RO1AM-07162-13 Control of lipid metabolism in mammalian cells (rodents, rabbits)
- RO1AM-07672-11 Metabolic changes during early lactation (rats, cattle)
- RO1AM-07998-10 Mechanism of sugar transport by the small intestine (rodents, birds, fish)
- RO1AM-08076-11 Action of insulin on enzymes of adipose tissue (rats, cattle)
- RO1AM-08546-10 Ketogenesis in the ruminant (cattle, goats)
- RO1AM-08749-10 Cholesterol metabolism in the intact animal (baboons)
- RO1AM-08949-10 Diabetes mellitus in *Psammomys obesus* (rats, guinea pigs, rabbits, hamsters)
- RO1AM-09059-11 Physiology of pancreatic islets and action of alloxan (toadfish)
- RO1AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
- M RO1AM-09406-11 Genetic diseases
- RO1AM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)
- RO1AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
- RO1AM-10149-09 Hormonal control of lipid metabolism (rats)
- RO1AM-10151-09 Pathogenesis of diabetes mellitus (human, monkeys, rats)
- RO1AM-10166-09 Characterization and isolation of lecithins (rats)
- RO1AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
- RO1AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
- RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
- RO1AM-10571-08 Enzyme regulation in liver disease (rats)
- RO1AM-10591-09 Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs)
- RO1AM-10628-09 Lipid metabolism in biological systems (rodents, cattle, monkeys)
- RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
- RO1AM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
- RO1AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- RO1AM-11146-07 Control of hepatic biosynthesis of plasma proteins (rats)
- RO1AM-11265-06 Adipose tissue regulation of fat metabolism (human, mammals, nonhuman)
- RO1AM-11279-08 Aspects of the control of lipogenesis (rats, guinea pigs, human)
- RO1AM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)
- RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- M RO1AM-11748-07 Regulation of metabolic processes
- RO1AM-11892-07 Hormones cyclic AMP and fat cell metabolism
- RO1AM-12413-07 Purine metabolism in gout (human, birds)
- RO1AM-12479-07 Hypothalamic regulation of food intake (mice)
- RO1AM-12511-06 Biochemical and fine structural effects of ethanol (human, rats, baboons)
- RO1AM-12532-07 Liver glycogen (rats, rabbits)
- RO1AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
- RO1AM-12763-05 Insulin release in diabetes (human, cattle)
- RO1AM-12829-06 Regulation of insulin secretion (human, dogs)
- RO1AM-12865-06 Mode of insulin action and glycogen synthetase (toadpoles, rats)
- RO1AM-12960-05 Oxalic acid metabolism and primary hypercalcaemia (rats, human)
- RO1AM-12974-05 Factors involved in insulin homeostasis (dogs)
- RO1AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
- RO1AM-13129-07 Pituitary adipokinetic substances (mammals, human)
- RO1AM-13131-07 Control of pancreatic protein synthesis and secretion (pigeons, rats)
- RO1AM-13319-06 Insulin resistance and enzymes of glycogen metabolism (dogs, rats, human)
- RO1AM-13321-06 Metabolic and morphologic studies of obesity (human, rats)
- RO1AM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli)
- RO1AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
- RO1AM-13499-06 Regulation of liver growth and function (rats)
- RO1AM-13518-12 Unexplained hypoglycemia in children
- RO1AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
- RO1AM-13527-04 Metabolic substrate utilization in man
- RO1AM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
- RO1AM-13774-05 Glucose-insulin interactions with cell membranes (rats)
- RO1AM-13900-05 Metabolic basis of cystine storage disease (human)
- RO1AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
- RO1AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- RO1AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
- RO1AM-13941-05 Proinsulin secretion and biological activity (human)
- RO1AM-14059-15 Pathways of purine metabolism (human)
- RO1AM-14070-04 Role of adrenocorticoids in lipolysis (rats, human)
- RO1AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)
- RO1AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
- RO1AM-14248-03 Pancreatic islet cells-Long term culture (rats)
- RO1AM-14334-06 Chemical mechanism of action of insulin (human, rats, rabbits)
- RO1AM-14340-05 Experimental diabetes (rats)
- RO1AM-14362-04 Regulation of purine metabolism in human cells
- RO1AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
- RO1AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
- M RO1AM-14702-04 Mechanism of insulin antagonism
- RO1AM-14755-04 Diagnosis and therapy of Gauchers disease (human, rats, rabbits)
- RO1AM-14834-04 Phenylalanine hydroxylase, PKU detection (rodents, human)
- RO1AM-14977-05 Drugs in carbohydrate-lipid interrelationship (rats, mice, human)
- RO1AM-15019-03 Neuropathy in diabetes-Role of sorbitol pathway (human, rats)
- RO1AM-15059-04 Insulin and enzyme turnover in adipose and liver (rats)
- RO1AM-15120-04 Control of metabolism in normal and diseased states (rat liver)
- RO1AM-15165-04 Adipose tissue metabolism in obesity (human, rats)
- RO1AM-15172-10 Alkyl and alkylglyceryl ethers and derivatives (human, rats, mice)
- RO1AM-15186-06 Regulation of pyrimidine biosynthesis in the rat
- RO1AM-15189-09 Enzymatic formation of bile pigments (mice, squirrels, human)
- RO1AM-15191-04 Physiology, pathology and biochemistry of diabetes (human, rats)
- RO1AM-15235-04 Mechanism of action of insulin (rats)
- RO1AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
- RO1AM-15263-03 Effector systems for insulin action on fat cells (rats, human)
- RO1AM-15272-03 Metabolism of perfused hind limb (rats)
- RO1AM-15281-03 Effects of ethanol on lipid absorption and metabolism (rats)
- RO1AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)
- RO1AM-15314-03 Basement membrane metabolism in diabetes mellitus (rats, human)
- RO1AM-15360-03 Regulation of HGPRTase levels in human cells (rabbits)
- RO1AM-15398-04 Pancreatic islets and beta cell studies (human, mice, rats, rabbits)
- RO1AM-15498-03 Hepatotoxicity of tetracyclines and other drugs (rats)
- RO1AM-15531-03 Membrane transport of amino acids (human, rabbits)
- RO1AM-15641-03 Biochemistry of 5-thio-D-glucose (rats)
- RO1AM-15658-03 Regulation of skeletal metabolism (rats)
- RO1AM-15787-01 Extra-pancreatic significance of proinsulin (swine)
- RO1AM-15788-03 Mechanism of action of antilipolytic drugs (rats)
- RO1AM-15804-03 Pathways and control of fatty acid oxidation (cattle, rats, human)
- RO1AM-15806-03 Hepatic regulatory mechanisms in diabetes (rats)
- RO1AM-15823-03 Renal transport of uric acid in gout (chickens)
- RO1AM-15834-03 Autonomic effects on glucagon and insulin secretion (ducks, dogs)
- RO1AM-15853-03 Receptor assay for insulin (human, swine, cattle)
- RO1AM-15919-02 Starvation and regulation of protein degradation (rats)
- RO1AM-15988-03 Regulation of adipose tissue metabolism (rats)
- RO1AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
- RO1AM-16009-03 Regulation of gluconeogenesis in liver (guinea pigs, rats)
- M RO1AM-16102-01 Regulation of ketoacid metabolism
- RO1AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
- RO1AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- RO1AM-16348-01 Influence of endogenous secretin on insulin regulation
- RO1AM-16356-02 Regulation of protein turnover in liver (rats)
- RO1AM-16371-01 Mechanism of action of insulin
- RO1AM-16385-01 Insulin action on the fat cell plasma membrane (rats)
- RO1AM-16453-02 Chylomicron-formation, structure and function
- RO1AM-16484-05 Porphyria-Metabolic basis (*Rhodospseudomonas spheroides*, mammals)
- RO1AM-16534-02 Insulin metabolism in immune and non-immune subjects (human, animals)
- RO1AM-16551-03 Drug and hormone effects on carbohydrate metabolism (rats)
- RO1AM-16622-02 Pterins in clinical patients
- RO1AM-16623-01 Metabolic adaptation of muscle and the need for creatine (rodents, chickens)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Ordered significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
- ** R01AM-16747-01 Blood brain barrier and carbohydrate metabolism (dogs, rabbits)
- ** R01AM-16770-02 Bile acid metabolism in health and disease (human, dogs)
- ** R01AM-16784-02 Metabolism of branched chain alpha-keto acids (human, rats)
- ** R01AM-16793-01 Regulation of metabolism
- ** R01AM-16826-01 Mechanisms of polypeptide hormone action
- ** R01AM-16860-01 Physical activity, carbohydrate metabolism and obesity (rats, mice)
- ** R01AM-16896-01 Decreased insulin sensitivity in diabetes and other disorders (human)
- R01AM-16897-02 Biochemical bases of branched-chain ketociduria (human, rats)
- ** R01AM-16971-01 Specific polysome isolation in human cells (also rabbits)
- ** R01AM-17020-02 Isolation of Hurler's corrective factor from serum (human)
- ** R01AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
- ** R01AM-17082-01 Neural regulation of insulin secretion rate (dogs)
- ** R01AM-17113-01 5-Oxoprolone, aminoacidurias and mental retardation (human, rats, mice, dogs)
- ** R01AM-17154-01 Therapy of metabolic diseases (human)
- ** R01AM-17200-01 Regulation of adipocyte insulin sensitivity (rats, human)
- ** R01AM-17236-01 Quantitative studies of metabolic dynamics (dogs)
- ** R01AM-17347-02 Insulin sensitive glucoregulator in the CNS (rats, dogs, mice)
- ** R01AM-17398-02 Pathologic effects on cells of modified lipoproteins (rats)
- ** R01AM-17403-01 Control metabolism of glucose metabolism in fat cells (rodents, rabbits, human)
- ** R01AM-17415-01 Regulation of supply of utilizable purines by liver (rabbits, rats E coli K12)
- ** R01AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
- ** R01AM-17436-01 Regulation of transport in mammalian cells (Chinese hamsters)
- R01AM-17456-02 Fat mobilization and protein sparing therapy (human, rats)
- ** R01AM-17529-01 Biochemical and clinical studies in Gaucher's disease (human)
- ** R01AM-17558-01 Glucagon biosynthesis in islets of langerhans
- R01AM-17585-01 Biosynthesis and secretion of peptide hormones (rats, cattle, swine)
- ** R01AM-17660-01 Adipocyte metabolism as related to cell size (rats)
- ** R01AM-17664-01 Hormonal regulation of gluconeogenesis (rat liver)
- ** R01AM-17668-01 Factors controlling and modifying insulin secretion (rats, hamsters)
- ** R01AM-17733-01 Mechanism of starch digestion in mammals (rats)
- ** R01AM-18083-01 Ionic regulation of gluconeogenesis (rats, guinea pigs)
- ** R01AM-18092-01 Action of insulin on enzymes of adipose tissue (rats)
- ** R01AM-18104-01 Insulin mode of action in toad skins
- R01CA-02758-19 Steroid metabolism in tumors and normal tissues (mice)
- R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- ** R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- R01CA-08269-13 Regulation of ketogenesis and lipogenesis (rats)
- ** R01CA-10916-13 Metabolism of normal and neoplastic tissues
- ** R01CA-12150-04 Unusual lipids in cancer tissue (mice, rats, human)
- R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
- ** R01CA-14914-01 Lipids in carcinogenesis (rats)
- ** R01CA-15813-01 Lipid transport, synthesis and metabolism in cancers (mice)
- M R01CA-15979-01 Cholesterol metabolism in normal and malignant liver
- R01CA-17131-07 Regulation of pyrimidine biosynthesis in the rat
- ** R01DE-01523-13 Metabolic pathways in bone (mice)
- ** R01ES-00645-03 Toxicant action of ozone in mammalian tissues (rats)
- R01GM-04761-18 Metabolism of polysaccharides (human, rabbits)
- ** R01GM-13728-09 Enzyme induction and subsequent inactivation (rats)
- R01GM-14033-08 Control mechanisms in gluconeogenesis (tetrachymena, rats, ground squirrels)
- M R01GM-16133-07 Immobilized enzymes to analyze and alter metabolism
- ** R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
- ** R01HD-00391-15 Regulation of enzyme action during development
- ** R01HD-01269-12 Control of metabolism in tetrachymena
- ** R01HD-02761-07 Growth and development of adipose tissue (rats, mice)
- ** R01HD-02871-08 Phospholipid metabolism during development (rats)
- ** R01HD-02887-05 Embryonic fatty acid metabolism
- ** R01HD-02920-08 Lysine metabolism in infants and children
- ** R01HD-04331-04 Mental retardation-Defect in Hurler syndrome (human, dogs, rats)
- ** R01HD-04526-05 Inborn errors of metabolism (human)
- ** R01HD-04532-05 Developmental enzyme formation in mammalian tissues (rats, chickens)
- R01HD-05285-03 Experimental phenylketonuria (rats)
- R01HD-05821-03 Neonatal gluconeogenesis initiation and control (swine)
- ** R01HD-06018-03 Phenylalanine hydroxylase activity in tissues (rats)
- ** R01HD-06069-03 Effects of prostaglandins on myometrial metabolism (rhesus monkeys)
- ** R01HD-06070-03 Composition and metabolism of human testes
- ** R01HD-06071-03 Control of differentiation in lymphocytes (rats, mice)
- ** R01HD-06291-03 Ketone metabolism in developmental homeostasis (rats, swine, human)
- M R01HD-06353-03 Inherited metabolic disorders
- ** R01HD-06355-03 Etiology of hypoglycemia in infants and children (human, rats)
- ** R01HD-06356-03 Folate metabolism and mental retardation (human)
- ** R01HD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
- M R01HD-06475-01 Carbohydrate and lipid metabolism during development
- ** R01HD-06575-02 Metabolic studies in methylmalonic acidemia (human, rats)
- R01HD-06599-03 Inhibition of myelinogenesis in genetic diseases (rats, mice, human)
- ** R01HD-06779-03 Enzymic differentiation in the fetus and newborn (rats, human)
- ** R01HD-06843-01 Cerebral phenylalanine metabolism in phenylketonuria (rats, human)
- ** R01HD-07087-02 Glucagon physiology in fetus, newborn and child (and mammals)
- ** R01HD-07464-01 Regulation of fatty acid synthesis during development (mice, rats)
- ** R01HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
- ** R01HD-07476-01 Diamine metabolism in tissue growth (rat placenta)
- ** R01HD-07516-02 Fatty acid synthesis in heart (chick embryo)
- R01HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
- ** R01HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
- ** R01HD-08340-01 Stable isotope studies of fuel transport in children
- ** R01HD-08456-01 Alternate pathway for urea synthesis
- ** R01HD-08948-01 Functional maturation of the endocrine pancreas (rats)
- ** R01HD-08968-01 Definitions and mechanism of hyperlipemia in pregnancy (human, rats)
- ** R01HD-08977-01 Carbohydrate metabolism in the newborn (human, dogs)
- ** R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
- ** R01HL-01875-21 Intermediary metabolism of cholesterol (rats)
- ** R01HL-02033-20 Regulation of cholesterol esters in blood (rat, cattle, human)
- R01HL-02965-18 Metabolism of plasma lipoproteins
- ** R01HL-03632-16 Structure and synthesis of milk lipids (ruminants, rats)
- ** R01HL-04372-14 Lipolytic enzymes in plasma and tissues (rats, sheep)
- ** R01HL-05209-14 Lipid metabolism (baboons, monkeys)
- ** R01HL-05285-14 Biosynthesis of plasma lipoprotein (rats)
- ** R01HL-05360-15 Cholesterol metabolism and hypocholesterolemic drugs (rats)
- M R01HL-06221-13 Composition and structure of plasma lipoproteins
- R01HL-06481-12 Lipid metabolism (human, rats)
- ** R01HL-06924-12 Humoral and metabolic aspects of cardiac function (rats, human)
- ** R01HL-07878-12 Metabolism of neutral sterols (rats, carp)
- ** R01HL-08506-11 Lipemia-carbohydrate and glyceride metabolism (human, rats)
- ** R01HL-09103-10 Sterol metabolism in tissue culture cells (human, rabbits)
- R01HL-09489-09 Myocardial lipid metabolism and regulation
- M R01HL-09610-10 Control of cholesterol metabolism-Bile acid transport
- ** R01HL-10018-07 Effect of aging on beating heart cells in culture (rats)
- ** R01HL-10166-09 Origins of atherosclerosis (human, rabbits)
- ** R01HL-10316-09 Structural studies on serum lipoproteins (human)
- ** R01HL-10642-14 Plasma cholesterol metabolism (human, monkeys)
- ** R01HL-10878-08 Structure and function of serum lipoproteins (human)
- ** R01HL-10940-09 Lipid transport (rats, rabbits)
- ** R01HL-10950-08 Estimation of individual phospholipids in human serum
- ** R01HL-12137-06 Lipoprotein chemistry (human)
- ** R01HL-12402-15 Metabolism of plasma proteins (baboons)
- R01HL-12533-06 Hypocholesterolemic compounds and metabolism (Tetrahymena, Saccharomyces)
- ** R01HL-12710-05 Fine structure of serum lipoproteins (pigs, human)
- ** R01HL-12869-05 Arterial metabolism, diabetes and atherosclerosis (hamsters, mice, rats, human)
- ** R01HL-13028-05 Regulation of myocardial fatty acid metabolism (rats)
- R01HL-13302-05 Uptake and metabolism of lipids by the liver (rats)
- R01HL-13304-05 Structure of human plasma lipoproteins (human, swine)
- R01HL-13394-05 Hyperlipoproteinemia (rats)
- ** R01HL-13405-04 Regulation of lipid metabolism in the lung (rats)
- M R01HL-13612-04 Human arteriosclerosis
- R01HL-13626-03 Lipoprotein and lipoprotein removal mechanisms (human, rabbits, cattle)
- ** R01HL-13636-04 Effects of pharmacologic agents on heart metabolism (human, dogs, rats, cattle)
- ** R01HL-13645-07 Tryptophan-induced pulmonary emphysema (cattle, goats)
- ** R01HL-13980-03 Function of fatty acid isomers in serum components (mammals, birds)
- ** R01HL-14087-04 Normal and abnormal low density lipoproteins (human)
- ** R01HL-14313-03 Metabolism of lipoprotein lipid and protein (human, monkeys)
- ** R01HL-14730-03 Fatty acid synthesis by the normal and hypoxic heart (rabbits)
- ** R01HL-14781-03 Lipid deposition in mammalian cells (human)
- ** R01HL-14933-02 Metabolic studies of viral induced hyperlipemias (chick embryo, rats, children)
- ** R01HL-14990-02 Lipid transport (chickens)
- ** R01HL-15263-02 Lipoprotein peptide and enzyme radioimmunoassay (human)
- ** R01HL-15308-02 Assays for peptides of lipoproteins (human)
- ** R01HL-15336-01 Lipoprotein lipase and related lipolytic activities (human)
- R01HL-15427-02 Secretion of plasma lipoproteins (rats)
- ** R01HL-15432-02 Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs)
- ** R01HL-15514-01 Removal mechanisms and plasma lipoprotein homeostasis (rabbits, human)
- R01HL-15648-02 Lipid metabolism-Human triglyceride lipases (rabbits)
- ** R01HL-15716-02 Sugar transport in developing heart cells (chick embryo)
- ** R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)
- ** R01HL-15949-01 Lipoprotein metabolism in relation to atherosclerosis (baboons, chickens, human)
- ** R01HL-16024-01 Control of cholesterol synthesis in hyperlipidemia
- ** R01HL-16058-01 Metabolism of lipids in cultured cells (human)
- R01HL-16059-01 Structure and function of bovine serum lipoproteins
- ** R01HL-16200-01 Aldehydic lipids and thioethers in human heart
- ** R01HL-16294-01 Effectors of cholesterol synthesis
- ** R01HL-16363-01 Hypolipemic drug study-Ultrastructure and chemistry
- M R01HL-16364-01 Regulation of lipid biosynthesis and transport
- ** R01HL-16457-01 Biosynthesis and modification of fatty acids in aorta (human, swine)
- ** R01HL-16520-01 Lipid and lipoprotein synthesis in liver cells (rats, chickens, pigeons)
- ** R01HL-16544-01 Control of lipoprotein synthesis (swine)
- ** R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- ** R01HL-16577-01 Lipoprotein lipase chemistry and function (rats, human)
- ** R01HL-16796-01 Cholesterol regulation by HMG-CoA reductase (rats, human)
- ** R01HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
- R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
- ** R01NS-04454-11 Cystathionine metabolism in brain (monkeys)
- M R01NS-05096-11 New amino acid disorders in cerebral disease

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** ROINS-06011-09 Lipids of the central nervous system (human, cattle, rats)
 ** ROINS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 ROINS-07918-06 Cations and brain glycolytic enzymes (human)
 ** ROINS-08246-06 Metabolic error in Refsum's syndrome (human, rats)
 ** ROINS-08287-05 Metabolism of carnosine and other histidyl compounds (tuna, fish, mice, human)
 ** ROINS-09479-03 Studies of human arylsulfatase A (normal urine)
 ** ROINS-09909-03 Ether and ketone containing lipids during brain development (rats)
 ** ROINS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
 ** ROINS-10442-03 Defective myelination—Role of lipid metabolism (rats)
 ** ROINS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
 ** ROINS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
 ** ROINS-10763-06 Myelin synthesis in normals and diabetics (mice, human, dog, cat, rabbit, rat)
 ** ROINS-11238-01 Mannoaldosidosis—A model for lysosomal storage diseases
 ** ROINS-11621-01 Metabolism of cholesterol and cholesterol in man
 ** ROINS-11665-01 Metachromatic leukodystrophy in cultured cell systems (human, rats)
 ** ROINS-11670-01 Developmental regulation of brain steroid synthesis
 ** ROINS-11822-01 Metabolism and inhibition of lysine in brain (rats)

METACHROMASIA (TISSUE AND CELL STAINING)

SEE TISSUE AND CELL PREPARATION, STAINING, METACHROMASIA

METACHROMATIC LEUCOENCEPHALOPATHY

SEE METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES, METACHROMATIC LEUCOENCEPHALOPATHY

METAGENESIS

SEE BIOLOGY, LIFE CYCLE

METAL CHELATES

SEE METAL COMPLEXES

METAL COMPLEXES

SEE ALSO PORPHYRINS, METALLOPORPHYRINS

- ** ROIAI-04156-13 Microbial iron metabolism (fungi, mammals, bacteria)
 ** ROIAI-09580-04 Microbial metabolism of hydroxylamine compounds (fungi)
 ROIAM-03288-15 Molecular structure (bacteria)
 ROIAM-04660-12 Metal mediation of pituitary hormonal regulation (swine, toads)
 ROIAM-07180-12 Mechanisms of oxygen metabolism (rabbits)
 ROIAM-07939-12 Granulematous hypersensitivity (human, guinea pigs)
 ROIAM-10551-09 Analysis of cellular calcium compartments in muscle (rabbits)
 ROIAM-10742-08 Models for enzymic phosphorylation and hydrolysis
 ROIAM-10794-08 Synthesis of oligopeptides and cyclic peptides
 ** ROIAM-11694-08 Reaction of metal chelate of vitamin B6
 ROIAM-12386-08 Studies on biological transport mechanisms (chickens)
 ROIAM-13090-06 Iron in nutrition (rats, monkeys)
 ** ROIAM-13339-06 Metal complexes related to vitamin B12
 ** ROIAM-14341-06 Reaction mechanisms of cyclic tetramine complexes
 ROIAM-15056-04 Iron-binding proteins and control of iron metabolism (human, rabbits, hagfish)
 ROIAM-15251-04 Control mechanisms of ion and electron transfer
 ROIAM-15705-03 The general intermediate for vitamin B6 catalysis
 ** ROIAM-16101-03 Methylation of and by metal complexes
 ROIAM-17331-02 Organo metallic derivatives of biological compounds
 ** POICA-06927-12 0019 Biological and biochemical program in cancer research - Mechanism of action of metal activated enzymes
 ROICA-08250-10 Heterocyclic organosulfur chemistry
 ROICA-11349-06 Platinum compounds—A new class of anti-tumor agents (mice)
 ROICA-11858-05 Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters)
 ** ROICA-13099-03 Investigation of the antitumor activity of CuKTS
 ** POICA-13330-03 0055 Cancer research program - Control mechanisms of ion and electron transfer
 ** ROICA-14832-02 Antitumor complexes
 ROICA-14969-02 0003 Radionuclide studies of tumors and growth - Production of radionuclides for studying inorganic antitumor agents

- ** ROICA-14969-02 0004 Radionuclide studies of tumors and growth - Cis-dichlorodiammine platinum as an antitumor agent (human, dogs, rabbits)
 ** ROICA-14969-02 0005 Radionuclide studies of tumors and growth - Molecular basis of action of cis-dichlorodiammine platinum (mammals nonhuman)
 ROICA-15826-01 Metal binding to polynucleotides—Probes and drugs
 ** ROICA-16968-01 Influence of metal complexes on DNA
 ROICM-12309-04 Synthesis of coordination compounds as potential antitumor agents
 ** POIES-00481-03 0001 Subcellular pathology of heavy metals - Intracellular inclusion body (rats, goats)
 POIES-00481-03 0007 Subcellular pathology of heavy metals - Lead and cadmium toxicity in humans
 ** POIES-00481-03 0017 Subcellular pathology of heavy metals - In vivo effects of NTA and EDTA on chromium and lead levels in rat tissue
 ** ROIES-00895-01 Structural studies in treatment of metal poisoning
 ** ROIES-22043-05 Fate of heavy metals and heavy metal complexes in soils and plants
 ROIEY-00813-04 Mechanism of leucine aminopeptidase (cattle)
 ROIFD-00050-12 Water content and lipid oxidation in dehydrated foods
 ROIGM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
 ** ROIGM-08347-14 Function of molybdenum in biological systems
 ** ROIGM-10040-12 Ligand reactions and homogeneous catalysis
 ** ROIGM-10829-16 Optically active coordination compounds
 ** ROIGM-12446-10 NMR studies of macromolecules and their interactions (rabbits, lobsters, swine)
 ** ROIGM-12596-08 Solvent effects in coordination kinetics—Methanol
 ROIGM-12626-10 Metal complex catalysis of biological reactions
 ROIGM-12783-09 Stereochemical effects in metal ion redox reactions
 ** ROIGM-13116-09 Kinetic investigation of biochemical reactions
 ** ROIGM-13498-09 Metal centers in biological systems
 ** ROIGM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
 ** ROIGM-13638-09 Organic groups in redox reactions of metal ions
 ** POIGM-15003-13 0007 The biological functions of metals - Metal-enzyme complexes—Arginase (cattle, human)
 POIGM-15003-13 0011 The biological functions of metals - AZO probes of protein conformation
 ROIGM-15238-07 Photochemical studies of molecular complexes
 ** ROIGM-15471-07 Metal complexes of Schiff bases
 ** ROIGM-15549-06 Role of metal ions in enzyme catalysis (yeast, marine snail)
 ROIGM-15847-06 High speed liquid gas chromatography
 ** ROIGM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
 ** ROIGM-16395-06 Organometallic reagents in organic synthesis
 ** ROIGM-16449-06 Iron-sulfur coordination and protein chemistry
 ROIGM-16784-05 Structure-function and evolutionary studies of proteins (bacteria, plants, cat)
 ** ROIGM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
 ** ROIGM-18144-03 Bonding and reactions of model complexes
 POIGM-18674-03 0014 Diagnostic radiology research and training center - Chemistry and physiology of technetium-99m labeled compounds (mice, dogs)
 ** ROIGM-18813-03 Crystallography of organic disulfide-metal complexes
 ROIGM-18983-03 Models for metalloproteases
 ** ROIGM-19019-11 Bifunctional studies of proteins (human, bacterial)
 ** ROIGM-19047-03 Hindered coordination—Structure and reactivity
 ROIGM-19328-03 Burn debridement—Chemical, enzymatic, CO2 laser (human, swine, dogs, rats)
 ROIGM-19658-02 Cyclization of metal-complexed polyolefins
 ROIGM-19775-02 Activation of molecular oxygen by metal peptides
 ** ROIGM-20032-03 Selected solid state spectral studies
 ROIGM-20080-02 Photooxidation in model biological systems
 ROIGM-20184-10 Stereochemistry of enzymatic transamination (rats, chickens)
 ** ROIGM-20805-01 Interactions of metals with photoexcited flavins
 ROIGM-21335-01 Chemistry of metal ion-protein interactions
 ROIGM-21795-01 Magnetic resonance of heterocyclic triplet states
 ** ROIHL-09678-09 Oxygen-carrying metal complexes
 ** ROIHL-12395-06 X-ray study of oxygen-carrying cobalt complexes

- ** ROIHL-14590-03 Biologically important transition metal complexes
 ROIHL-15029-06 Chemistry of monolayers surfaces and membranes
 ** ROIHL-15648-02 Reactions of polydentate thiominate metal complexes
 ROIMH-21730-03 Role of metal chelates in biogenic amine activity
 ROINS-09572-03 Models for hydroxylases of neurochemical significance
 ROINS-11556-01 Metal chelates of L-DOPA for Parkinsonism
 ** ROIMH-00355-03 interaction of coal dust with essential metals (rats)
 SO6RR-08056-03 Biomedical research projects at Southern University in New Orleans

METAL COMPLEXES, LIGANDS

- ROIAA-00292-04 The enzyme-substrate compound of catalase in alcoholism (animals)
 ROIAI-03231-15 Structural basis of antibody specificity (mice, rabbits)
 ROIAI-05520-12 Regulation of polysaccharide synthesis (plants, bacteria)
 ROIAI-09902-04 Microsomal mixed-function oxidases (flies)
 ROIAI-13388-03 Myeloma proteins, immunochemistry and immunobiology (human)
 ROIAM-02528-15 X-ray structure analysis of biological molecules (marine animals, legumes)
 ROIAM-02831-22 Sulfhydryl groups and properties of hemoglobin (human, ungulates, dogs)
 ROIAM-04484-14 Aerobic hydroxylases in steroid and drug metabolism (human)
 ROIAM-09085-10 Structure of biological molecules (fungi)
 ROIAM-09276-10 Reaction mechanisms of enzymes
 ROIAM-09765-09 0001 Regulatory processes in biological systems - CTP synthetase (E coli)
 ROIAM-09765-09 0004 Regulatory processes in biological systems - Theoretical studies
 ROIAM-10072-10 Physical chemistry of human hemoproteins
 ROIAM-11295-08 Physical studies of biological macromolecules
 ROIAM-12597-06 Studies of sickling mechanisms and minor hemoglobins (human)
 ROIAM-12789-06 Metal ion catalysis in enzymic reactions
 ** ROIAM-13129-07 Pituitary adipokinetic substances (mammals, human)
 ROIAM-13198-06 Adenylate control of enzyme synthesis and function (bacteria)
 ROIAM-13212-06 Pyrophosphatase mechanism—Affinity labels (yeast, E coli, rabbits, human)
 ROIAM-13332-06 Metabolic regulation and interacting enzyme systems (cattle, rats)
 ROIAM-13339-06 Metal complexes related to vitamin B12
 ROIAM-14638-04 Structure and function of aldose-ketose isomerases (human, Euglena)
 ROIAM-15053-04 Structure and function of Hb A and Hb S (human)
 ROIAM-15615-03 Chromium in lipid and carbohydrate metabolism (rats, human)
 ROIAM-16038-03 Structure, function and regulation of hydroxylases (bacteria, cattle)
 ROIAM-16101-03 Methylation of and by metal complexes
 ROIAM-16188-03 Role of cysteine residues in hemoglobins A, F and S (human)
 ROIAM-16220-03 Specific radioassays for folate analogues (human, rabbits, mice)
 ROIAM-16508-02 Analog systems for biological porphyrins
 ROIAM-16732-13 Nature of iron-binding proteins (human, chick)
 ROIAM-16821-01 Biochemical studies of red cell membranes (human)
 ROIAM-16995-01 Bonding in iron porphyrins
 ** ROIAM-17262-01 Measurement of ligand binding to associating enzymes (bacteria)
 ROIAM-17331-02 Organo metallic derivatives of biological compounds
 ROIAM-17348-01 Properties of hemoglobin (human, rats)
 ROICA-08395-09 Control factors for DNA synthesis (bacteria, human, mammals sub-human)
 ROICA-11628-05 Steroid-protein interactions and human breast cancer (rats)
 ** ROICA-12025-03 Structural chemistry of borane anion complexes
 POICA-12708-03 0001 Studies of normal and malignant growth - Phosphorylation of human erythrocyte membrane proteins
 ROICA-13400-02 Macromolecular events in synchronized tumor cells
 ROICA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
 ROICA-14397-02 Carcinogen-transfer RNA interactions
 ROICA-15583-01 New approaches to cancer chemotherapy (mice)
 ROICA-16054-01 NMR studies of saccharide binding to concanavalin A
 ROICA-16156-01 Metals and antitumor activity of thiosemicarbazones

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-16954-01 Hemoprotein-catalyzed oxygenations of carcinogens
- ** R01ES-00761-03 Chemical behavior of organomercury compounds
- R01GM-08347-14 Function of molybdenum in biological systems
- ** R01GM-08493-12 Chemical kinetics studied by relaxation spectrometry
- R01GM-08963-12 Mechanism of the group transfer process (frogs, rats)
- R01GM-09370-13 X-ray diffraction studies of tetrapyrrole systems
- ** R01GM-10040-12 Ligand reactions and homogeneous catalysts
- R01GM-10829-16 Optically active coordination compounds
- ** R01GM-10867-13 Crystal structures of some metal-peptide complexes
- R01GM-11223-12 Protein configuration by fluorescence techniques
- R01GM-11632-11 Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs)
- R01GM-11741-09 Primary redox changes in photosynthesis (bacteria)
- ** R01GM-12152-10 Metal ion transfer and catalysis in peptide complexes
- R01GM-12176-10 0001 Redox reactions by optical and EPR spectrometry - Physical studies of iron-sulfur proteins (bacteria, plants)
- R01GM-12596-08 Solvent effects in coordination kinetics - Methanol
- R01GM-12626-10 Metal complex catalysis of biological reactions
- P11GM-12675-10 0013 Biochemical toxicology and pharmacology - Diminished hepatic excretory capacity induced by drugs (rodents, miniature pigs)
- R01GM-12783-09 Stereochemical effects in metal ion redox reactions
- R01GM-13292-10 Kinetics of physiologically important reactions (rabbits, bacteria, cattle)
- ** R01GM-13638-09 Organic groups in redox reactions of metal ions
- R01GM-13914-09 0001 Macromolecules of circulatory and genetic importance - Protein conformation (rabbits)
- ** R01GM-14276-10 Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs)
- R01GM-14452-08 Chemistry and kinetics of lysozyme action (*Drosophila*, chickens, human)
- R01GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)
- R01GM-14945-08 Divalent cations in enolase and other biological systems (human)
- R01GM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
- P01GM-15003-13 0008 The biological functions of metals - Metalloenzyme models
- R01GM-15102-07 Regulation of leucine biosynthesis by end product inhibition (bacteria, yeasts)
- R01GM-15188-08 Structure and mechanisms of action of enzymes
- P01GM-15423-07 0011 Molecular basis of control mechanisms - Conformational symmetry on the function of enzymes
- ** R01GM-15792-08 0001 Structure and relations of proteins and nucleic acids - DNA-protein interactions (bacteria)
- R01GM-15792-08 0002 Structure and relations of proteins and nucleic acids - Effects of solvent perturbants on the stability of macromolecular conformation
- R01GM-15913-06 Membrane organization in rod cells (human)
- R01GM-16406-06 Resonance spectroscopy of enzymes (bacteria)
- R01GM-16449-06 Iron-sulfur coordination and protein chemistry
- R01GM-16835-06 Ribosome function - Antibiotic action
- R01GM-16917-06 Regulatory mechanisms of homoserine dehydrogenase (*E. coli*)
- ** R01GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- R01GM-18451-03 Mechanism studies of enzymic cis-trans isomerization (bacteria)
- ** R01GM-18472-04 Ligand binding to subunit proteins (human, ungulates, viruses)
- R01GM-18632-03 Structures of nucleic acids and related molecules
- R01GM-18640-03 Mechanism of pinocytosis (amoeba)
- R01GM-18648-03 Cytochrome C peroxidase catalyzed oxidations (yeast)
- R01GM-18811-03 X-ray study of metal-cyclic polyether complexes
- R01GM-18865-03 Laser Raman spectroscopy of metalloproteins
- R01GM-18895-03 High-energy interactions in multi-heme systems (bacteria)
- R01GM-18983-03 Models for metalloproteases
- R01GM-18994-03 Mechanism of chemotaxis in bacteria
- R01GM-19036-06 Regulation of oxidation reactions (pseudomonas)
- R01GM-19256-03 Biologically related iron-sulfur chemistry
- R01GM-19357-03 Spectroscopic studies of metalloenzymes
- R01GM-19394-02 Membrane bound and soluble glycolytic enzymes (human, rabbit)
- ** R01GM-19649-01 Ligand binding to allosteric enzymes
- R01GM-20168-02 Structural kinetic studies by nuclear magnetic resonance
- R01GM-20371-01 Regulatory processes affecting enzyme activity (*Bacteriophage*, chick)
- ** R01GM-20424-01 Macrocyclic ligand kinetics-polythioether complexes (in vitro, in vivo)
- R01GM-20569-01 Properties of human hemoglobin and unwinding of DNA
- R01GM-20609-02 Photo-affinity labels as probes of ribosome function (*E. coli*)
- R01GM-20727-01 Probes of molecular function in pyridoxal enzymes (mammals)
- R01GM-20943-01 Mechanisms of biological redox reactions of copper
- ** R01GM-21045-02 The structure of human transcortin
- R01GM-21156-01 Interaction of spin labels with transition metals
- R01HD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)
- P01HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (*Oecophytus*, *Pyrrhocoris*, *Drosophila*)
- P01HD-05796-03 0004 Aging in connective tissue, brain and auditory system - Connective tissue proteins (dogs, rats, chickens)
- R01HD-08949-01 Prostaglandin-protein interactions and human reproduction
- R01HL-05556-14 Structure and reactivity of proteins and lipoproteins (human, catceae, seals)
- R01HL-06787-12 Aging of hemoglobin in the erythrocyte (human)
- R01HL-08299-11 Molecular biology of hemerythrin and hemocyanin (invertebrates)
- R01HL-08893-10 Interactions between biological macromolecules (human, rats)
- R01HL-09125-10 Ultrastructural cytochemistry (human, rodents, rabbits)
- R01HL-09678-09 Oxygen-carrying metal complexes
- P01HL-11414-07 0019 Thrombosis and atherosclerosis program - Control of metabolism by metal cation environment
- R01HL-11448-07 Isozymes of heart glutamate aspartate transaminase (swine, chicks)
- ** R01HL-12524-06 Reaction of hemoglobin with ligands and antibodies (human, carp)
- R01HL-12526-05 Raman spectro of heme proteins and related molecules
- R01HL-12901-05 Subunit association of human hemoglobins
- R01HL-13035-05 Heart mitochondrial malate dehydrogenase regulation
- R01HL-13111-03 Primary process of modified heme-oxygen interactions
- ** R01HL-13132-03 Calorimetric studies of heme-protein ligand reactions (human, sheep, cattle)
- R01HL-13157-05 Molecular oxygen carriers - Synthesis, structure, bonding
- R01HL-13164-04 Interaction of the alpha and beta chains of human hemoglobin
- R01HL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)
- ** R01HL-13412-12 Synthetic oxygen carriers
- R01HL-13591-04 Subunit interactions and hemoglobin pathology
- R01HL-13882-03 Structure and properties of hemoglobin (sea cucumber)
- R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)
- P01HL-13979-04 0017 Cardio-pulmonary-renal program - Gelation of deoxygenated sickle cell hemoglobin (human)
- R01HL-14083-03 Thermal and potentiometric analysis of proteins
- P17HL-14159-04 0016 Specialized center of research in hypertension - Assay of beta-adrenergic and glucagon receptors in hypertension (rodents)
- ** R01HL-14270-03 Metal and ligand bindings in hemoproteins and enolase
- R01HL-14508-06 Structure and function of respiratory hemoproteins
- ** R01HL-14827-03 Reactivity of iron in strong ligand field environments
- ** R01HL-14839-12 Structure reactivity relations in hemoglobins (human, guinea pigs, pigeons)
- P01HL-15194-02 0008 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange - Linked functions of hemoglobin (human)
- R01HL-15198-02 Heme proteins, erythrocytes and sickle cell anemia (rabbits)
- ** R01HL-15284-02 Hemoglobin and myoglobin kinetic studies (human, animals)
- R01HL-15460-02 Hemoglobin system (trout)
- ** R01HL-15461-02 Hemoprotein interactions - Models of sickle hemoglobin (whale, tuna, insects)
- R01HL-15627-02 X-ray and chemical studies of metalloporphyrins
- R01HL-16087-01 Structural and dynamic study of model heme complexes
- R01HL-16093-01 Properties of the alpha and beta-chains in hemoglobin (human)
- ** R01HL-16205-01 Control of reactions of coordinated ligands
- R01HL-16278-01 Allosteric interactions of human hemoglobin
- M P01HL-16833-01 Hemoglobin and red cell system in hemoglobinopathies
- ** P01HL-16833-01 0001 Hemoglobin and red cell system in hemoglobinopathies - Mobility, association and ligand binding in hemoglobin-Hydrogen exchange
- P01HL-16833-01 0002 Hemoglobin and red cell system in hemoglobinopathies - Polymerization and gel formation in solutions of hemoglobin A and S
- P01HL-16833-01 0006 Hemoglobin and red cell system in hemoglobinopathies - Role of water in function of hemoglobin and myoglobin (human)
- R01NS-09335-04 Drug interactions with brain microtubule (human, chick embryos)
- R01NS-11360-01 Properties of microtubular proteins (mammals, sea urchin)
- P01NS-11766-01 0007 Clinical research center for neuromuscular disease - Protein components in excitable membrane fragments (electric eel, mammals)
- R01NS-11905-01 Brain DPN-specific isocitric dehydrogenase (swine)
- R01OH-00337-05 Mechanisms of cadmium toxicity (rats)
- R01OH-00355-03 Interaction of coal dust with essential metals (rats)
- P07RR-00542-04 NMR spectrometer facility
- ** P07RR-00636-02 0001 Special resource for NMR studies in biomolecules - Iron binding by transferrin
- P07RR-00711-02 0002 High frequency NMR biotechnology resource - Structural changes in subunit-ligand interactions of allosteric proteins

METAL COMPLEXES, LIGANDS, CHELATING AGENTS

SEE ALSO SULFUR AMINO ACIDS, PENICILLAMINE

- ** R01AI-11351-02 Structure and function of the water-soluble penicillins (mice, bacteria)
- R01AI-11399-01 Metal binding-Drug allergenicity and effectiveness
- R01AI-11744-01 Hydroxamate complexes in iron transport systems
- R01AM-07180-12 Mechanisms of oxygen metabolism (rabbits)
- R01AM-09274-09 The mechanism of red cell aging (human, rats)
- R01AM-12789-06 Metal ion catalysis in enzymic reactions
- R01AM-14047-06 Biological control of scar tissue (rats, dogs)
- R01AM-14341-06 Reaction mechanisms of cyclic tetramine complexes
- R01AM-15056-04 Iron-binding proteins and control of iron metabolism (human, rabbits, hagfish)
- R01AM-17146-01 Chelates for Cooley's anemia and iron storage disease (rats, rabbits)
- ** R01AM-42223-00 Carbohydrate and fat metabolism in uremia (rats, dogs, ha)
- ** R01AM-42224-00 Iron chelating agents in the treatment of Cooley's anemia
- ** R01AM-42225-00 Iron chelating agents in the treatment of Cooley's anemia
- ** R01AM-42226-00 Iron chelating agents in treatment of Cooley's anemia (microorganisms, synthesis)
- ** R01AM-42227-00 Evaluation of chelating agents in treatment of Cooley's anemia (dogs)
- P01CA-06927-12 0022 Biological and biochemical program in cancer research - Nature and properties of aminopeptidases and dipeptidases (rabbits, mice)
- ** R01CA-11896-04 Iron-Transport and regulatory functions (bacteria)
- R01CA-13123-03 Hydrazo, nitroso and adamantly phosphorus oncotics
- R01CA-13513-03 Surface properties of virally transformed and revertant cells (mice)
- R01CA-14832-02 Antitumor complexes
- P10ES-00267-07 0007 Center for environmental toxicology - Chelating agents for heavy metals (mice)
- P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
- ** P01ES-00481-03 0008 Subcellular pathology of heavy metals - Effects of chelators on metal metabolism
- ** R01ES-00769-09 Toxicity studies with a chelating agent (rats)
- R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
- R01ES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
- ** R01ES-00902-02 Diagnosis and therapy of chronic childhood plumbism
- ** R01ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
- R01EY-01010-02 Chemotherapy of experimental Pseudomonas keratitis (rabbits)
- ** R01FD-00014-07 Neutralizing snake venom toxicity by chemical agents (mice)
- ** R01FD-00599-01 Dietary chelates and calcium metabolism (chicken, quail)

(contd)

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**Oriented significantly to above subject.
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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01FD-00607-01 Antinutritional effects of modified food starches (rats)
- ** R01GM-08893-12 Chemical kinetics studied by relaxation spectrometry
- P11GM-15190-08 0014 Center for toxicological research and training - Biochemical aspects of lead poisoning (rats, mice, chicks.)
- P11GM-15477-08 0110 Drug metabolism and biochemical pharmacology - Brain catecholamines, diethylthiocarbamate and dopa (rats)
- ** P01GM-16058-09 0001 Biosensor and subject monitoring system development - Fluorescence spectroscopy for biological probes
- R01GM-19807-02 0010 Membrane permeability as a regulatory element - Control of respiratory development in silicas (plants)
- R01HL-06308-14 0004 Mechanisms and therapy of circulatory disease - Molecular structure of biochemical regulators
- P17HL-14153-04 0004 Johns Hopkins Lung Center - Lung macrophages in chronic inflammation (rabbits)
- R01HL-14719-12 Role of copper in metabolism (chickens)
- R01HL-14721-02 Role of trace metals in cardiomyopathies (human, rats)
- R01HL-15039-02 Dynamic turnover of tissue angiotensin (humans, rats, dogs, rabbits, sheep)
- P17HL-15061-03 0004 Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
- R01HL-16262-01 Synthesis of molecules for myocardial imaging
- R01HL-16385-01 Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog)
- R01HL-16746-01 Design of ion-selective molecules
- ** R01HM-21730-03 Role of metal chelates in biogenic amine activity
- P01NS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
- R01NS-10648-02 Experimental neuropathology in tissue culture
- ** P07RR-00007-11 0311 Computer processing in biomedical systems - Modelling of multiple binding processes
- ** M01RR-00030-13 0104 General clinical research center - Study of platinum, diamminedichloro, CIS (human)
- M01RR-00043-14 0016 General clinical research center - N-acetylcysteine therapy for connective tissue disorders (human)
- ** M01RR-00051-13 0140 General clinical research center - Clinical evaluation of EX-10-478 (human)
- ** M01RR-00051-13 0143 General clinical research center - Triethylene tetramine dihydrochloride in Wilson's disease (human)
- ** M01RR-00052-13 0001 General clinical research center for children - Subclinical toxic effects of childhood plumbism
- M01RR-00056-13 0065 General Clinical Research Center - Diagnosis and therapy in internal radionuclide contamination (human)
- M01RR-00064-10 0002 General clinical research center - Copper metabolism in human subjects
- M01RR-00064-10 0006 General clinical research center - Disorders of hemoglobin synthesis (human)
- ** M01RR-00069-12 0014 General clinical research center, children - Investigation of Wilson's disease
- ** M01RR-00082-12 0075 General clinical research center - Wilson's syndrome (human)
- M01RR-00086-12 0006 General clinical research center - Preventing intertransfusion anemia in patients with thalassemia major
- ** M01RR-00096-14 0045 Clinical research center - Iron excretion after injection of chelating agents in Cooley's anemia (human)
- M01RR-00125-11 0205 General clinical research center - adult child - Ascorbic acid in desferrioxamine induced iron excretion in thalassemia
- M01RR-00318-08 0020 General clinical research center - Calcium and magnesium metabolism in endocrine and metabolic diseases (human)
- M01RR-00318-08 0072 General clinical research center - Lead as contributing agent to hyperactive children
- M01RR-00585-03 0006 General clinical research center - Long term study of Wilson's disease (human)
- M01RR-00645-03 0044 Clinical research center - Hypertransfusion and desferal chelation in thalassemia (children)
- M01RR-00865-01 0022 General clinical research center - Trial of N-acetyl-D, L-penicillamine in mercury poisoning (human)
- M01RR-00865-01 0029 General clinical research center - Osteodystrophy secondary to renal tubular states (human)
- METAL DISORDERS AND IMBALANCES**
SEE ALSO BODY FLUID BALANCE, IONIC, HYPERKALEMIA
SEE ALSO BODY FLUID BALANCE, IONIC, HYPERNATREMIA
SEE ALSO BODY FLUID BALANCE, IONIC, HYPONATREMIA
SEE ALSO BODY FLUID BALANCE, IONIC, HYPONATREMIA
SEE ALSO CALCIUM (MINERAL) IMBALANCES
SEE ALSO IRON DISORDERS AND IMBALANCES
P01AM-08458-10 0002 Uremia and exchange of ions and water - Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs)
- ** R2ZAM-09980-09 0010 Infantile diarrhea and malnutrition (Peru, Baltimore) - Copper metabolism (human)
- R01AM-1913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- ** R01AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
- P17AM-17702-01 0010 Hepatitis cirrhosis center - Organella pathology in liver (human, rats)
- ** N01AM-42222-00 Trace element abnormalities in chronic uremia (human)
- R01CA-14296-02 Mechanisms of cancer induction in the digestive tract (rats)
- M P01GM-15003-13 The biological functions of metals
- P01GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
- ** P01GM-15003-13 0025 The biological functions of metals - Zinc deficiency (*Euglena gracilis*, *E. coli*, human, rats)
- N01HB-22918-03 Studies in sickle cell disease (human, guinea pigs, rats)
- ** P18HL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
- R01OH-00355-03 Interaction of coal dust with essential metals (rats)
- ** M01RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child
- M01RR-00069-12 0069 General clinical research center, children - Effect of chromium on chemotaxis of polymorphonuclear leukocytes in diabetes
- M01RR-00069-12 0075 General clinical research center, children - Effect of flagyl on Zn and Cu metabolism
- METAL DISORDERS AND IMBALANCES, HYPERCUPREMIA**
** R01AM-03932-14 Copper metabolism in the rat
- R01AM-17486-01 Identification of carrier state of Wilson's disease (human)
- R01NS-06856-08 Storage disease - Intracellular transport and digestion (human, animals, plants)
- METAL DISORDERS AND IMBALANCES, HYPOCUPREMIA**
SEE ALSO METABOLIC DISORDERS, DEGENERATION, HEPATOLENTICULAR DEGENERATION
SEE ALSO METABOLIC DISORDERS, INBORN, KINKY HAIR SYNDROME
- ** R01AM-03932-14 Copper metabolism in the rat
- R01AM-1913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- R01AM-17486-01 Identification of carrier state of Wilson's disease (human)
- R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
- R01HL-11963-06 Biochemistry of blood vessel formation and disease (swine)
- ** R01HL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
- ** R01HL-15965-02 Experimental atherosclerosis and elastin metabolism (chickens)
- ** M01RR-00052-13 0040 General clinical research center for children - Menke's kinky hair syndrome
- ** M01RR-00064-10 0002 General clinical research center - Copper metabolism in human subjects
- M01RR-00069-12 0075 General clinical research center, children - Effect of flagyl on Zn and Cu metabolism
- ** M01RR-00188-10 0078 General clinical research center for children - Copper metabolism in Menke's kinky hair syndrome
- METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY**
R01AA-00225-07 Hematologic and metabolic studies in alcoholism (human, rats)
- R01AA-00242-06 0001 Alcoholism and diseases of the heart - Animal studies (dogs, monkeys)
- R01AA-00242-06 0002 Alcoholism and diseases of the heart - Human studies
- ** R01AA-00311-03 0016 Metabolic and psychological factors in alcoholism - Hypomagnesemia and psychological factors in alcoholism (human)
- P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- ** P02AM-05630-12 0005 Metabolic unit for the Department of Medicine - Metabolic consequences of uremia (human)
- P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- R2ZAM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** R01AM-11674-08 0006 Bone metabolism in chronic disorders - Parathyroid responsiveness in experimental magnesium deficiency
- R01AM-16926-02 Parathyroid hormone and 3',5'-AMP in calcium metabolism
- ** P02CA-05826-13 0061 Clinical cancer research center - Clinical magnesium deficiency
- ** R01CA-11437-03 Magnesium deficiency, leukocytosis, lymphoma, leukemia (rodents)
- R01ES-00852-01 Environmental trace metal intoxications of the kidney (rats)
- R01HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
- ** R01HD-07900-01 Magnesium status of poor urban mothers and babies
- R01HL-06241-13 Structure-function relations in blood cell membranes (human, rats)
- ** P01HL-06350-13 0016 Hemostasis research program project - Medical genetics not concerned with hemostasis (dogs)
- P18HL-15158-03 0021 Comprehensive sickle cell disease center - Investigations of trace elements in sickle cell anemia (human)
- ** R01HL-15965-02 Experimental atherosclerosis and elastin metabolism (chickens)
- ** P18HL-16008-02 0002 Wayne State University comprehensive sickle cell center - Treatment by lowering the levels of red cell DPG (human, monkeys, rats, rabbits)
- ** M01RR-00031-14 0038 General clinical research center - Effect of thiazide diuretic on magnesium excretion (human)
- ** M01RR-00035-14 0123 General clinical research center - Experimental magnesium deficiency (human)
- ** M01RR-00036-14 0120 General clinical research center - Effect of parathyroid hormone on cyclic AMP in hypomagnesemia (human)
- ** M01RR-00044-14 0042 General clinical research center - Etiology of hypocalcemia in hypomagnesemic states (human)
- ** M01RR-00051-13 0158 General clinical research center - Magnesium-losing nephropathy (human)
- ** M01RR-00065-12 0044 General clinical research center - Parathyroid hormone unresponsiveness and 3'5' cAMP secretion (human)
- ** M01RR-00065-12 0046 General clinical research center - Hypocalcemia due to reversible PTH resistance (human)
- ** M01RR-00096-14 0058 Clinical research center - Metabolic abnormalities in magnesium deficit (human)
- ** M01RR-00240-10 0104 General clinical research center - Children - Hypoparathyroidism secondary to hypomagnesemia
- ** M01RR-00287-08 0031 General clinical research center - Magnesium-parathyroid relationships (human)
- ** M01RR-00318-08 0020 General clinical research center - Calcium and magnesium metabolism in endocrine and metabolic diseases (human)
- ** M01RR-00425-06 0066 General clinical research center - Divalent cation metabolism in pancreatitis (human)
- ** M01RR-00828-01 0003 General clinical research center - Effect of magnesium depletion on vitamin D metabolism (human)
- METAL DISORDERS AND IMBALANCES, POTASSIUM DEFICIENCY**
SEE ALSO BODY FLUID BALANCE, IONIC, HYPOKALEMIA
R01AM-17793-04 Relation of potassium, metabolism, hormones to cell pH (rats)
- ** P02CA-05826-13 0052 Clinical cancer research center - Renal tubular disorders associated with cancer (human)
- M01RR-00031-14 0047 General clinical research center - Pituitary-adrenal axis - Aldosterone secretion in hyperthyroidism (human)
- ** M01RR-00043-14 0072 General clinical research center - Potassium deficiency and adrenal function (human)
- METAL METABOLISM DISORDERS**
SEE METAL DISORDERS AND IMBALANCES
- METAL OXIDES**
SEE ALSO IRON OXIDES
SEE ALSO METALS, ALUMINUM COMPOUNDS, ALUMINUM OXIDE
SEE ALSO RADIOISOTOPES, ACTINIDE SERIES, THORIUM OXIDES
R01AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)
- P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
- M01CP-33260-04 Studies on pulmonary carcinogenesis (rats, hamsters)
- R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
- P01GM-17940-04 0004 Integrated electronics for medical applications - Advanced technology
- METALLIC COMPOUNDS ORGANIC**
SEE ALSO HEMOCHROMES
SEE ALSO IRON, FERROCENE
SEE ALSO METAL COMPLEXES
SEE ALSO METALLOPROTEINS
SEE ALSO METALS, HEAVY METALS, COBALTOCENE
SEE ALSO METALS, HEAVY METALS, LEAD TETRAACETATE
SEE ALSO METALS, HEAVY METALS, MERCURIALS
SEE ALSO PORPHYRINS, METALLOPORPHYRINS
R01AI-08687-06 Natural product syntheses
- ** R01AM-08669-12 New essential trace elements (rats)
- ** R01AM-14184-05 Organoselenium compounds - Biosynthesis and function (rats)
- ** R01AM-17331-02 Organo metallic derivatives of biological compounds
- R01CA-11820-03 Potentially therapeutically useful NAD antagonists

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1CA-12938-03 New alkylating agents for cancer chemotherapy
 PO1CA-15655-01 0010 Cancer center support grant - Metal carcinogenesis in model plant systems
 PO1ES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoalteration (mice, rats, fish)
 PO1ES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals-Metabolism and photodecomposition (rodents)
 PO1ES-00481-03 0009 Subcellular pathology of heavy metals - Methyl mercury intoxication (rats)
 PO1ES-00481-03 0018 Subcellular pathology of heavy metals - Inorganic mercury and methyl mercury in renal tissue, blood and urine
 RO1ES-00761-03 Chemical behavior of organomercury³ compounds
 RO1GM-10937-12 Stereospecific synthesis via hydroboration
 ** RO1GM-15373-07 Demetallation of organometallic compounds
 RO1GM-17061-04 Stereospecific isoprenoid synthesis
 RO1GM-18813-03 Crystallography of organic disulfide-metal complexes
 RO1GM-20197-04 Enhancing the specificity of synthetic procedures
 RO1GM-20304-02 Reduction and oligomerization of polyunsaturates
 RO1HL-15029-06 Chemistry of monolayers surfaces and membranes
 PO1HL-15194-02 0008 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Linked functions of hemoglobin (human)
- METALLOCENES**
 SEE IRON, FERROCENE
 SEE METALS, HEAVY METALS, COBALTOCENE
- METALLOENZYMES**
 SEE ENZYMES, METALLOENZYMES
- METALLOIDS**
 SEE METALS, METALLOIDS
- METALLOPORPHYRINS**
 SEE PORPHYRINS, METALLOPORPHYRINS
- METALLOPROTEINS**
 SEE ALSO ALBUMINS, CONALBUMIN
 SEE ALSO ENZYMES, METALLOENZYMES
 RO1AI-04865-12 Inorganic nitrogen metabolism (bacteria)
 ** PO1AM-04489-14 0006 Hematology - Copper proteins and iron metabolism
 RO1AM-08126-11 Energy generation and conservation in mitochondria
 RO1AM-09250-09 Characterization of erythrocyte proteins (human, chickens)
 RO1AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
 RO1AM-14784-03 Physiology of copper and zinc in Wilson's disease (human)
 ** RO1AM-15725-03 Hypofine interactions in iron proteins (human, mycobacteria, Euglena, beans)
 RO1AM-16922-02 Structure and function of sarcoplasmic reticulum (rabbits)
 RO1ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)
 ** RO1GM-10867-13 Crystal structures of some metal-peptide complexes
 RO1GM-10928-12 Crystallographic study of biological molecules (bacteria)
 ** RO1GM-12176-10 0004 Redox reactions by optical and EPR spectrometry - Search for proteins which satisfy the ENDOR conditions
 RO1GM-12176-10 0009 Redox reactions by optical and EPR spectrometry - Complexes between electron transfer proteins (plants)
 RO1GM-13498-09 Metal centers in biological systems
 M RO1GM-15003-13 The biological functions of metals
 ** PO1GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
 PO1GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies
 PO1GM-15003-13 0025 The biological functions of metals - Zinc deficiency (Euglena gracilis, E coli, human, rats)
 ** RO1GM-16228-06 Structure-function of bacterial proteins (also cattle, plants)
 ** RO1GM-16488-06 0010 Hepatic microsomal drug oxidation - Testicular cytochrome P-450 and iron-sulfur protein (mammals)
 ** RO1GM-16784-05 Structure-function and evolutionary studies of proteins (bacteria, plants, cattl)
 ** RO1GM-18528-13 Molecular basis for function of bacterial metalloproteins (also plants)
 ** RO1GM-18865-03 Laser Raman spectroscopy of metalloproteins
 ** RO1GM-20194-03 Vanadyl ion EPR-Heavy metal binding in proteins
 RO1HD-04617-06 Macromolecular modification on ontogeny and phylogeny (animals, microbes)
 ** RO1HL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)
 ** RO1HL-13652-04 Metal sites in metalloproteins
- ** RO1HL-15196-02 Theory of electronic properties of metalloproteins
 RO1OH-00355-03 Interaction of coal dust with essential metals (rats)
 PO7RR-00542-04 NMR spectrometer facility
- METALLOPROTEINS, ADRENAL FERREDOXIN**
 ** RO1AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
 RO1GM-12176-10 0003 Redox reactions by optical and EPR spectrometry - Crystallization of ferredoxin (plants, cattle)
 ** P11GM-12675-10 0052 Biochemical toxicology and pharmacology - Adrenodoxin in hydroxylations mediated by cytochrome P-450 (mammals, human)
 RO1GM-13366-09 Crystallographic study of proteins (bacteria, plants, cattle)
 ** RO1GM-16488-06 0005 Hepatic microsomal drug oxidation - Hormone modification of adrenal cytochrome P-450 (rats)
 RO1GM-16488-06 0011 Hepatic microsomal drug oxidation - Effect of inhibitors on electron transport-Specific antibodies (human, mammals)
 RO1GM-16784-05 Structure-function and evolutionary studies of proteins (bacteria, plants, cattl)
 RO1GM-21226-14 Oxidations in mitochondria and microsomes (bacteria, mammals, spinach)
 RO1HL-11553-06 Chemistry of electron-transfer proteins (mammals)
- METALLOPROTEINS, AZURIN**
 RO1GM-12121-10 Structure and function of proteins (bacteria, tuna, plants)
 RO1GM-12176-10 0004 Redox reactions by optical and EPR spectrometry - Search for proteins which satisfy the ENDOR conditions
- METALLOPROTEINS, CERULOPLASMIN**
 RO1AM-01059-19 Hereditary defects in protein synthesis (human, rats)
 ** RO1AM-03932-14 Copper metabolism in the rat
 PO1AM-04489-14 0006 Hematology - Copper proteins and iron metabolism
 PO1AM-04489-14 0007 Hematology - Non-heme iron pathways (human, swine)
 R22AM-09980-09 0010 Infantile diarrhea and malnutrition (Paris, Baltimore) - Copper metabolism (human)
 RO1AM-11029-08 Met synthesis of plasma proteins by perfused liver (rats)
 R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
 ** RO1AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
 RO1AM-13221-06 Iron metabolism and absorption (mice, rats)
 RO1AM-15465-03 Normal and pathological lysosomal metabolism (rats)
 RO1AM-16497-02 0014 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in heroin addicts
 RO1AM-17486-01 Identification of carrier state of Wilson's disease (human)
 ** PO1CA-07175-11 0007 Cancer research at the McArdle laboratory - Protein structure-function relationships (human)
 ** RO1CA-14441-02 Copper and ceruloplasmin metabolism in cancer
 RO1CA-14491-01 Novel transport proteins in hepatoma (human, rabbits)
 RO1HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)
 RO1HD-03321-08 Genetic control of the structure of human proteins
 NO1HD-22784-03 Effect of oral contraceptives on nutritional status (human)
 RO1HL-16601-01 Structure and function of blood proteins (human, rats)
 RO1OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
 MO1RR-00052-13 0040 General clinical research center for children - Menke's kinky hair syndrome
- METALLOPROTEINS, CYTOCUPREINS**
 PO1AM-04489-14 0006 Hematology - Copper proteins and iron metabolism
 RO1AM-09070-10 Metalloenzyme synthesis and function (bacteria)
 ** RO1AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
 ** RO1AM-17091-01 Superoxide and superoxide dismutase in human disease
 ** RO1CA-01786-20 0003 Blood proteins - Superoxide dismutase (human)
 RO1CA-15874-01 Enzymatically generated singlet oxygen in carcinogenesis
 ** RO1GM-10287-12 Biological function of superoxide dismutase (plants, animals)
 ** RO1GM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
 ** RO1GM-18869-03 Mechanism of superoxide dismutase (cattle)
 RO1GM-21232-01 Biosynthesis and function of thioimidazoles (Neurospora crassa)
- PO1HD-05875-04 0010 Aging mechanisms of in vitro human cell systems - Membrane deterioration in mitotic and non-mitotic cells (human, rats)
 RO1HL-06400-13 Structure and function of proteins (cattle, swine, chicks, bacteria, human)
 PO1HL-12157-07 0028 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-ion transport and macrocyclic compounds (sheep)
 RO1HL-15196-02 Theory of electronic properties of metalloproteins
- METALLOPROTEINS, FERREDOXIN**
 RO1AI-00848-19 Biological fixation of nitrogen by microorganisms
 RO1AM-02109-17 Purine and pyridine metabolism in microorganisms
 RO1AM-06482-12 Distortion of disulfide bridges in enzymes (plants)
 RO1AM-15057-04 Flavine-protein interactions in flavoenzyme catalysis (bacteria)
 RO1AM-15725-03 Hyperfine interactions in iron proteins (human, mycobacteria, Euglena, beans)
 RO1GM-08347-14 Function of molybdenum in biological systems
- M RO1GM-12176-10 Redox reactions by optical and EPR spectrometry
 ** RO1GM-12176-10 0001 Redox reactions by optical and EPR spectrometry - Physical studies of iron-sulfur proteins (bacteria, plants)
 ** RO1GM-12176-10 0002 Redox reactions by optical and EPR spectrometry - Chemical studies on iron-sulfur proteins (bacteria, plants)
 ** RO1GM-12176-10 0003 Redox reactions by optical and EPR spectrometry - Crystallization of ferredoxin (plants, cattle)
 RO1GM-12176-10 0009 Redox reactions by optical and EPR spectrometry - Complexes between electron transfer proteins (plants)
 RO1GM-12394-10 Components and pathways in biological oxidations (microorganisms, mammals, human)
 ** RO1GM-13366-09 Crystallographic study of proteins (bacteria, plants, cattle)
 RO1GM-13498-09 Metal centers in biological systems
 PO1GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies
 RO1GM-16228-06 Structure-function of bacterial proteins (also cattle, plants)
 RO1GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
 ** RO1GM-16406-06 Resonance spectroscopy of enzymes (bacteria)
 RO1GM-16429-06 Enzymes in the crystalline state-Structure and activity (bacteria, plants)
 RO1GM-16449-06 Iron-sulfur coordination and protein chemistry
 RO1GM-17170-04 EPR and x-ray studies of electron-transfer enzymes (rats, guinea pigs)
 RO1GM-18528-13 Molecular basis for function of bacterial metalloproteins (also plants)
 RO1GM-19181-03 Spectroelectrochemistry of bio-electron transfers
 RO1GM-19256-03 Biologically related iron-sulfur chemistry
 ** RO1GM-20571-01 Iron-sulfur proteins as carriers in electron transfer
 RO1GM-20579-01 Regulatory mechanisms in carbohydrate synthesis (chloroplasts)
 RO1GM-21226-14 Oxidations in mitochondria and microsomes (bacteria, mammals, spinach)
 RO1GM-21337-01 Molecular mechanisms of biological redox reactions (yeast, spinach)
 RO1HL-13652-04 Metal sites in metalloproteins
 RO1HL-15196-02 Theory of electronic properties of metalloproteins
- METALLOPROTEINS, FERRITIN**
 SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, FERRITIN LABELED ANTIBODY TECHNIQUE²
 PO1AM-09001-10 0042 Biochemistry and immunology of blood diseases - Dysthrombocytopenias (human)
 RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
 ** RO1AM-11258-07 Iron absorption and metabolism (human, rats, dogs)
 ** RO1AM-12381-07 Iron in cell pathology (rats)
 RO1AM-12386-08 Studies on biological transport mechanisms (chickens)
 RO1AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
 RO1AM-13897-05 Cellular adaptations to malnutrition (rats)
 ** RO1AM-14678-04 Iron storage and mobilization in the macrophage series (mice, human)
 RO1AM-15553-03 Reticulocyte receptor-transferrin reaction (human, rabbits)
 ** RO1AM-16577-02 Mammalian iron metabolism (human, rats, rabbits)
 ** RO1AM-16781-02 Ferritin synthesis in normal and malignant cells (rats, human)
 RO1AM-17146-01 Chelates for Cooley's anemia and iron storage disease (rats, rabbits)
 RO1AM-17327-01 Erythroleukemia and sideroblastic anemia (human)

(contd)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-17338-01 Iron leading in sickle cell disease (human, rabbits)
 R01AM-17609-01 Protein synthesis in normal and regenerating liver (rabbits)
 P17AM-17702-01 0003 Hepatitis cirrhosis center - Hepatic protein synthesis (rabbits, marmosets, clams)
 ** R01AM-17775-01 Structure and metabolism of isoferitins (human, horse, rat, mice, rabbits)
 R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
 R01CA-08893-07 Protein synthesis in normal and malignant cells (rats)
 P02CA-13148-03 0039 Pilot cancer center - Differentiation of immunoglobulin class heterogeneity in mice
 P01CA-13330-03 0008 Cancer research program - Immunology of breast cancer (human, rabbits)
 R26CA-15259-02 Indium 111-anti-CEA for external detection of colonic tumors (mammals, nonhuman)
 ** R01CA-16309-01 Carcino fetal isoferitins (human)
 R01GM-14931-08 Enzyme synthesis and degradation in metabolic control (mice, chickens)
 ** R01GM-15508-07 0002 Cell regulation and fetal proteins in neoplasia - Role of fetal protein in neoplasia (human, rats)
 R01GM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
 ** P01HD-02741-10 0001 Experimental cytology of aging cells and tissues - Changes in protein synthesis with age in vivo (rats)
 R01HD-06734-03 Functional cytology of placenta and fetal membranes (human, rodents)
 R01HL-06242-14 Kinetic studies of blood (human)
 P01HL-06374-14 0005 Expansion of research in a hematologic center - Hemoglobin synthesis in differentiating erythroid cells (human)
 P01HL-06374-14 0006 Expansion of research in a hematologic center - Relationship of reticuloendothelial system to erythropoiesis (human, mice)
 ** R01HL-11511-06 Conformation of ferritin and apoferitin in solution (horse, rat, human)
 R01HL-16654-02 Regulation in developing erythroid cells (human, rabbits, sheep)
- METALLOPROTEINS, HEMERYTHRIN**
 R01GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)
 ** R01HL-08299-11 Molecular biology of hemerythrin and hemocyanin (invertebrates)
 R01HL-11119-13 Amino acid analyzer for biochemical research (bacteria, mammals nonhuman)
- METALLOPROTEINS, HEMOCYANIN**
 R01AI-03772-14 Chemistry of leucocytic pyrogen (rabbits)
 R01AI-10091-04 Studies on antigenic stimulation (mice, rats)
 P02CA-05831-13 0013 Cancer clinical research - Interrelationship of neoplastic disease and immune response (human)
 P02CA-06551-11 0001 Cancer clinical research - Immunologic basis for susceptibility to cancer in man
 R01EY-00392-07 Functional morphology of the limulus visual system
 P01GM-06965-15 0075 Basic experimental biology - Concanavalin A binding to cell surfaces
 ** R01HL-08299-11 Molecular biology of hemerythrin and hemocyanin (invertebrates)
 ** R01HL-12326-07 Respiratory proteins-Structure and function (squid, crabs, worms)
 ** R01HL-13166-05 Ultracentrifuge studies of reversible aggregation (lobsters)
- METALLOPROTEINS, LACTOFERRIN**
 ** R01AM-16072-03 Carbohydrate structure of iron-transport proteins (swine, rabbits)
- METALLOPROTEINS, METALLOTHIONEIN**
 R01AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
 ** R01ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
 R01ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)
 R01ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
 ** P01GM-15003-13 0006 The biological functions of metals - Metallothionein (human, rats, rabbits, monkeys, dogs)
 P11GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
 R01GM-19455-02 Structure of a micrococcal nuclease (also cattle, human)
 ** R01GM-20571-01 Iron-sulfur proteins as carriers in electron transfer
 R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
 ** P07RR-00636-02 0016 Special resource for NMR studies in biomolecules - Factors involved in heavy metal poisoning (horse)
- METALLOPROTEINS, RUBREDOXIN**
 R01AM-10339-09 Kinases, desaturases, and hydroxylases (bacteria, yeast, rabbits)
- ** R01GM-12176-10 0001 Redox reactions by optical and EPR spectrometry - Physical studies of iron-sulfur proteins (bacteria, plants)
 R01GM-12176-10 0004 Redox reactions by optical and EPR spectrometry - Search for proteins which satisfy the ENDOR conditions
 ** R01GM-13366-09 Crystallographic study of proteins (bacteria, plants, cattle)
 R01GM-16228-06 Structure-function of bacterial proteins (also cattle, plants)
 R01GM-16784-05 Structure-function and evolutionary studies of proteins (bacteria, plants, catt)
- METALLOPROTEINS, TRANSFERRIN**
 R01AI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
 P01AM-04489-14 0006 Hematology - Copper proteins and iron metabolism
 P01AM-04489-14 0007 Hematology - Non-heme iron pathways (human, swine)
 ** R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
 R01AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
 R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
 ** R01AM-15056-04 Iron-binding proteins and control of iron metabolism (human, rabbits, hagfish)
 ** R01AM-15553-03 Reticulocyte receptor-transferrin reaction (human, rabbits)
 R01AM-15725-03 Hyperfine interactions in iron proteins (human, mycobacteria, Euglena, beans)
 ** R01AM-16072-03 Carbohydrate structure of iron-transport proteins (swine, rabbits)
 ** R01AM-16577-02 Mammalian iron metabolism (human, rats, rabbits)
 ** R01AM-16732-13 Nature of iron-binding proteins (human, chick)
 R01AM-17091-01 Superoxide and superoxide dismutase in human disease
 R01AM-17146-01 Chelates for Cooley's anemia and iron storage disease (rats, rabbits)
 N01AM-42223-00 Carbohydrate and fat metabolism in uremia (rats, dogs, ha)
 N01AM-42224-00 Iron chelating agents in the treatment of Cooley's anemia
 P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
 R01CA-13529-02 Amino acid transport in normal and neoplastic cells (rats)
 R01CA-14491-01 Novel transport proteins in hepatoma (human, rabbits)
 R01CA-17037-01 Serum protein synthesis by mouse hepatoma cells
 ** R01GM-09326-13 Genetic and chemical studies of protein variations (human, primates, cattle)
 R01GM-19019-11 Bifunctional studies of proteins (human, bacterial)
 P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
 ** R01GM-21363-01 0002 Chemical studies of enzymes and proteins - Transferrins (human)
 R01HD-00122-10 Comparative biochemistry of proteins (human, animals)
 R01HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)
 ** R01HD-01831-09 Factors maintaining biochemical polymorphisms
 ** R01HD-01831-09 0001 Factors maintaining biochemical polymorphisms - Transferrins and fertility (human, swine)
 R01HD-03321-08 Genetic control of the structure of human proteins
 P01HD-05221-05 0015 Center grant in mental retardation - Developmental microheterogeneity of mouse alpha fetoprotein
 R01HL-04612-15 Humoral and feedback mechanisms of erythropoiesis (mice, rabbits)
 P01HL-06374-14 0006 Expansion of research in a hematologic center - Relationship of reticuloendothelial system to erythropoiesis (human, mice)
 ** P01HL-06374-14 0012 Expansion of research in a hematologic center - Proteins of gastric juice and enzyme induction in erythroid cell (human)
 R01HL-16601-01 Structure and function of blood proteins (human, rats)
 M01RR-00063-12 0012 General clinical research center - Genetic studies in Puerto Rico hypophosphatemia (human)
 ** P07RR-00636-02 0001 Special resource for NMR studies in biomolecules - Iron binding by transferrin
 ** M01RR-00847-01 0011 Clinical research centers - Mechanisms of altered serum transferrin in anemia (human)
- METALLOTHIONEIN**
 SEE METALLOPROTEINS, METALLOTHIONEIN
- METALS**
 SEE ALSO DENTAL MATERIALS, DENTAL METALS
 R01AI-10263-01 Structure and physiological function of malic enzymes (helminths)
- R01AI-11399-01 Metal binding-Drug allergenicity and effectiveness
 ** R01AI-11608-01 Metal binding in tetracycline antibiotics
 R01AM-12599-06 Chemical studies with free and bound vitamin B12 (bacteria)
 ** R01AM-15367-03 Degradative mechanisms of collagen in health and disease (amphibian)
 R01AM-16947-01 Lanthanide ions as spectroscopic rulers in Con A
 R01AM-17779-01 Degradative mechanisms of collagen in health and disease (amphibian, human)
 R01CA-14817-02 Cancer diagnosis by magnetic resonance (humans, mice)
 ** P01CA-15655-01 0010 Cancer center support grant - Metal carcinogenesis in model plant systems
 ** P10ES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
 P10ES-00159-09 0015 Center for study of the human environment - Salicylic acid (rats)
 ** P10ES-00159-09 0016 Center for study of the human environment - Human body burden of metals
 ** R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 ** R01EY-01318-01 Metallic ions in the vitreous body of the eye (rabbits)
 ** R01GM-00091-29 Structure, function of enzymes-Role of metals (rat)
 R01GM-13306-09 Phosphate activation mechanisms (Aspergillus oryzae)
 P01GM-14267-09 0003 Microelectronics laboratory for biomedical science - Medical transducers
 R01GM-14569-08 Biological trace analysis by hollow cathode emission
 R01GM-15996-06 Trace element analysis in biological samples
 R01GM-18038-04 NMR studies of aspartate transcarbamylase and tRNA (E coli)
 R01GM-18144-03 Bonding and reactions of model complexes
 R01GM-18921-03 Phospholipid-protein interactions and membrane function
 R01GM-19336-03 X-ray studies on biologically important molecules (fungi, plants)
 R01GM-19455-02 Structure of a micrococcal nuclease (also cattle, human)
 R01GM-19488-17 Chemi- and bioluminescence
 R01GM-20168-02 Structural kinetic studies by nuclear magnetic resonance
 ** R01GM-20795-01 Biological trace metal atomic emission spectrometer
 ** R01GM-20805-01 Interactions of metals with photoexcited flavins
 P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
 P01GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
 P01GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
 P01GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
 ** R01HD-00727-09 Placental transfer of mineral elements (guinea pigs)
 ** P01HD-04024-06 0007 Mental retardation research center - Trace metal metabolism (human)
 P17HL-14217-04 0033 Specialized center of research in thrombosis - Distribution of metal ions in platelets (human)
 R01OH-00356-03 Cellular response to coal mine dust in vitro (human)
- METALS, ALKALI METALS**
 SEE ALSO LITHIUM
 SEE ALSO POTASSIUM
 SEE ALSO SODIUM
 R01GM-18152-04 Mechanism of alkali cation transport
 R01HL-16474-01 Antibiotic-ion interactions
- METALS, ALKALI METALS, CESIUM**
 SEE ALSO RADIOISOTOPES, CESIUM
 ** R01CA-13351-02 Selection of cancer therapy by uptake of cesium 131 (human)
 R01GM-08522-12 Imaging systems for biological organisms
 R01GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of K⁺ and other ions in cells (frogs)
 R01HD-00727-09 Placental transfer of mineral elements (guinea pigs)
 ** R01HD-01962-09 Constitutive heterochromatin and RNA synthesis (human, hamsters)
 P01MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues-Effect of cations (rats)
 R01NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
- METALS, ALKALI METALS, RUBIDIUM**
 SEE ALSO RADIOISOTOPES, RUBIDIUM
 R01AM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)

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- RO1GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of K⁺ and other ions in cells (frogs)
 PO1MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H³ dopamine by striatal tissues - Effect of cations (rats)
 RO1MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 ** RO1MH-21090-03 Preclinical studies of rubidium in affective illness (dogs, primates)

METALS, ALKALINE EARTH METALS

SEE ALSO CALCIUM

SEE ALSO RADIOISOTOPES, RADIUM

RO1HL-16474-01 Antibiotic-ion interactions

METALS, ALKALINE EARTH METALS, BARIUM

RO1AM-11242-08 Regulation of lower esophageal sphincter (opossum)

PO1AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)

RO1AM-16153-03 Mechanism of termination of calcium mediated secretion (cows)

RO1AM-16905-01 Vitamin D action - Effect of minerals (dogs, rats, chickens)

RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)

PO1GM-21017-01 0002 Diagnostic radiology method development - Evaluation of pancreatic exocrine function and malabsorption (dogs, human)

RO1HL-16746-01 Design of ion-selective molecules

PO7RR-00679-02 0014 Biotechnology resource in electronprobe analysis - Barium sulfate and lanthanum in the intercellular spaces of the toad bladder

METALS, ALKALINE EARTH METALS, BERYLLIUM

SEE ALSO METALS POISONING, BERYLLIOSIS

RO1AM-07939-12 Granulomatous hypersensitivity (human, guinea pigs)

RO1AM-16905-01 Vitamin D action - Effect of minerals (dogs, rats, chickens)

PI0ES-00159-09 0011 Center for study of the human environment - Evaluation of metal interactions in cultured cells

RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)

METALS, ALKALINE EARTH METALS, MAGNESIUM

SEE ALSO METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY

RO1AM-02534-16 Small intestinal absorption in malabsorption syndromes (rats)

RO1AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)

RO1AM-04660-12 Metal mediation of pituitary hormonal regulation (swine, toads)

PO2AM-05630-12 0006 Metabolic unit for the Department of Medicine - Gastric secretory processes and divalent cations (human, dogs, rats)

PO1AM-08458-10 0002 Uremia and exchange of ions and water - Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs)

** RO1AM-10446-06 Magnesium nutrition and pathological calcification (rats)

RO1AM-10558-09 0008 Peptide hormones affecting calcium metabolism - Parathyroid gland in hypocalcemia prevention

RO1AM-10894-08 0002 Genetic metabolic diseases of infancy and childhood - Metabolism of galactose in liver and intestine (rats)

RO1AM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)

RO1AM-12452-06 Function and degradation of thyroxine (human, rats, primates)

RO1AM-13023-06 A physical approach to stone formation

RO1AM-13682-15 Metabolism of erythrocyte stroma (human, mice)

RO1AM-14225-04 Hydrogen ion regulation by the mammalian nephron (human, dogs)

RO1AM-14264-05 Cation transport in erythrocytes and the kidney (rats)

RO1AM-14315-06 Enzymology and metabolism of I-C and S compounds (rats, bacteria)

RO1AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)

RO1AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)

RO1AM-15346-03 Development of mineralized tissues (rats)

RO1AM-15564-03 0007 Secretion and hormonal integration of exocrine organs - Cation permeability in vitro (frogs)

RO1AM-15951-03 Calcium control of PTH and calcemic peptide biosynthesis (human, animals)

PO1AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)

PO1AM-16281-02 0004 Uremia-pathogenesis, effects, and possible prevention - Excretion pattern for solutes other than sodium (dogs)

RO1AM-16550-01 Secretion of calcitonin (organ culture)

RO1AM-16833-01 Adrenal cells in vitro - Ultrastructure and steroids

- RO1AM-17081-01 CA02 release from sarcoplasmic reticulum (frogs)
 RO1AM-17476-01 Physiologic regulation of lipid metabolism (rats)
 RO1AM-17495-01 Probes of thiamine pyrophosphate, Mg(11) enzymes
 RO1AM-17571-01 Molecular mechanism of active transport
 NO1AM-42214-00 Trace element abnormalities in children with chronic renal failure

RO1CA-05295-14 0002 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA polymerase (bacteria)

PO2CA-08480-09 0001 Childhood cancer research center - Ribosome particles, their formation and function (E coli)

** PO1CA-08748-09 5608 Research program of Sloan-Kettering Institute - Thymic enlargement in magnesium deficiency (rats)

RO1DE-01830-12 Quantitation of enamel demineralization mechanisms

P13DE-02623-08 0010 Center for oral health research - Mitochondrion and the mineralization process (chickens)

RO1DE-02716-06 Mineralogy of calcifying tissues - Teeth and bones (human, sheep)

RO1DE-03223-04 Kinetics of mineralization of teeth (human, cattle)

** RO1ES-00664-03 Biochemistry of lead toxicity and its reversal (rats, dogs)

RO1GM-11422-11 0001 Cell water, ions and control mechanisms - Cell water and its properties (frogs, birds)

RO1GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of K⁺ and other ions in cells (frogs)

RO1GM-11422-11 0003 Cell water, ions and control mechanisms - Cooperative transition and its control in cell function (frogs)

RO1GM-11422-11 0004 Cell water, ions and control mechanisms - Molecular mechanism of resting potential - Its relation to ion distribution (frog)

RO1GM-12805-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)

PO1GM-12847-10 0022 Molecular biology of membrane systems - Transprotonase and energized release of protons

RO1GM-13767-09 Molecular aspects of mutation (bacteria, viruses)

RO1GM-14603-08 Structure and interactions of proteins in solution

PO1GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum

PO1GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology

PO1GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies

RO1GM-15053-08 Protein structure and function (E coli, yeast, rabbits, salmon)

PO1GM-15430-07 0022 Research in anesthesia - Analytical chemistry

** RO1GM-18731-03 Transport of magnesium (bacteria)

** RO1GM-18819-03 Ca and Mg in maintenance of membrane transport (human)

RO1GM-18938-03 Determination of enzyme mechanisms by kinetic studies

RO1GM-19313-03 High resolution NMR study of the structure of t-RNA

RO1GM-19807-02 0001 Membrane permeability as a regulatory element - Glycolytic control (plants, fungi)

RO1GM-19807-02 0016 Membrane permeability as a regulatory element - Need for ADP in the implementation of uncoupler action (plants)

RO1GM-20171-02 Membrane permeability in colicin-treated cells (E coli)

RO1GM-20637-03 Thermodynamic studies of transfer ribonucleic acids

RO1HD-01522-10 Metals and nucleic acids in mosquito growth and aging

** RO1HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)

RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)

RO1HD-03402-07 In vitro fertilization of mammalian eggs (rodents, rabbits, monkeys)

RO1HD-06445-03 Mechanisms in flagellar and ciliary motion (marine and fresh water)

RO1HD-06458-02 Neonatal mineral metabolism

PO1HD-07110-02 0023 Biomedical center for population research - Smooth muscle (human, rats)

PO1HD-07578-01 0006 Growth and nutrition of normal infants - Minerals - Calcium, phosphorus, magnesium (human)

NO1HD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r)

NO1HD-22790-01 Effects of contraceptive steroids on trace elements (human)

RO1HL-01813-20 Regulation of metabolism by drugs and hormones (rats)

RO1HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)

RO1HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)

- PO1HL-11414-07 0019 Thrombosis and atherosclerosis program - Control of metabolism by metal cation environment
 RO1HL-12443-03 Amine acid and protein metabolism in human platelets
 ** P17HL-14217-04 0016 Specialized center of research in thrombosis - Effects of adrenochrome complex on Ca²⁺-activated ATPase of platelets

RO1HL-15051-02 Contractile and control sites of actomyosin (rats)

RO1HL-15580-02 Humoral control of pulmonary and systemic circulation (dogs)

RO1HL-15692-02 Control of force development in heart and muscle (frogs)

PO1HL-15833-01 0006 Pharmacologic and physiologic basis of cardiac therapy - Mechanism of action of cardiac glycosides (dogs)

PO1HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)

RO1HL-16010-12 Cellular basis of cardiac contractility (frogs)

RO1HL-16111-01 Integrated regulation of myocardial energy metabolism (rats, guinea pigs)

RO1HL-16190-01 Effects of prostaglandins on human erythrocytes

PO1HL-16607-01 0002 Calcium ion and control of cardiovascular function - Structure and function in sarcoplasmic membranes

RO1HL-16746-01 Design of ion-selective molecules

RO1MH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)

RO1MH-21730-03 Role of metal chelates in biogenic amine activity

RO1MS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)

PO1MS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)

RO1MS-04618-11 Drug-receptor interactions (animals)

RO1MS-07918-06 Cations and brain glycolytic enzymes (human)

RO1MS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)

RO1MS-10124-03 Drug effects on membrane-bound enzyme cholinesterase (cats, rats, frogs)

RO1MS-11445-01 Transmitter release from the neuromuscular junction (frogs)

RO1MS-11484-01 Effect of seizure upon energy metabolism of brain (rats)

RO1MS-11556-01 Metal chelates of L-DOPA for Parkinsonism

PO1MS-11766-01 0008 Clinical research center for neuromuscular disease - Myoneural function in full term and premature infants

PO1MS-11766-01 0011 Clinical research center for neuromuscular disease - Clinical neurophysiology

MO1RR-00034-14 0036 General clinical research center - Effect of hypotensive agents on toxemia of pregnancy (human)

** MO1RR-00069-12 0046 General clinical research center, children - Therapeutic effect of magnesium in Bartter's syndrome

MO1RR-00069-12 0065 General clinical research center, children - Treatment of vitamin D resistant rickets

** MO1RR-00125-11 0209 General clinical research center - adult-child - Osteogenesis imperfecta treated with magnesium oxide

MO1RR-00287-08 0023 General clinical research center - Trace metals and enzymes in healing wounds (human)

MO1RR-00282-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation

METALS, ALKALINE EARTH METALS, STRONTIUM

SEE ALSO RADIOISOTOPES, STRONTIUM

RO1AM-04652-14 Intestinal absorption of mineral ions (chickens)

RO1AM-16905-01 Vitamin D action - Effect of minerals (dogs, rats, chickens)

RO1DE-01912-11 Neutron diffraction studies of tooth components (human)

PO1GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum

RO1HD-00727-09 Placental transfer of mineral elements (guinea pigs)

P17HL-14217-04 0034 Specialized center of research in thrombosis - Platelet release reaction induced by inorganic ions (human)

METALS, ALLOYS

SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL

RO1AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)

RO1AM-17150-01 TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys)

RO1DE-02017-10 Various phases in chromium-cobalt alloys

RO1DE-02147-10 Phase equilibrium and setting in dental amalgams (human)

RO1DE-02320-09 Clinical behavior of dental restorative materials

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01DE-02455-08 Constitution diagrams for alloys of the noble metals
 P13DE-02668-08 0023 Dental research center - Biomaterials (human)
 ** R01DE-03369-03 Clinical evaluation of improved dental amalgam alloy (human)
 R01DE-03504-06 Clinical study of dental materials and techniques (human, monkeys)
 R01DE-03679-01 Amalgam-improved alloy and manipulation techniques
 ** R01DE-03965-01 Composition changes in dental alloy
 ** R01HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
 P01HL-11414-07 0027 Thrombosis and atherosclerosis program - Thermal-Memory wire filter to prevent pulmonary embolism (human, dogs)

METALS, ALLOYS, STEEL

- P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 ** R01AM-17150-01 TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys)
 P13DE-02668-08 0023 Dental research center - Biomaterials (human)
 P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization

METALS, ALUMINUM

- N01AM-42214-00 Trace element abnormalities in children with chronic renal failure
 ** P01DE-01850-11 0042 Fluoride metabolism - Bound fluoride and aluminum in plasma
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 R01GM-20304-02 Reduction and oligomerization of polysulfates

METALS, ALUMINUM COMPOUNDS

SEE ALSO CLAYS

- P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 R01DE-03802-01 Nonbiologic implant support for overdentures (monkeys)
 P10ES-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)
 ** P11GM-15956-07 0039 Factors affecting the responses to drugs - Effects of aluminum ions on gastrointestinal smooth muscle (rats, guinea pigs)
 P18NL-16008-02 0002 Wayne State University comprehensive sickle cell center - Treatment by lowering the levels of red cell DPG (human, monkeys, rats, rabbits)
 R01NS-09307-04 Anatomy of experimental seizures (human, monkeys)
 M01RR-00051-13 0004 General clinical research center - Correction of Ca and P04 abnormalities in renal disease (human)
 M01RR-00828-01 0011 General clinical research center - Effect of antacids on gastric emptying in man
 ** M01RR-00828-01 0014 General clinical research center - Aluminum toxicity (human)

METALS, ALUMINUM COMPOUNDS, ALUMINUM OXIDE

- R23DE-03495-03 Develop glass ceramics for dental prostheses
 R23DE-03892-01 Fracture toughness of bone-prosthetic material composites
 P11GM-15956-07 0060 Factors affecting the responses to drugs - Effects of antacids on gastric emptying (human)
 ** P11GM-15956-07 0061 Factors affecting the responses to drugs - Diarrhea in carcinoid syndrome-Effects of aluminum hydroxide gel (human)
 P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory

METALS, BORON

- SEE ALSO RADIOISOTOPES, BORON 11
 R01CA-12248-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
 ** R01CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)

METALS, BORON COMPOUNDS

- ** R01CA-05513-14 Water-soluble organoboron compounds
 ** P01CA-07368-11 0018 Interrelationships of normal and cancer cells - Boron slow neutron therapy-proclinal (human, laboratory animals)
 ** P01CA-07368-11 0019 Interrelationships of normal and cancer cells - Boron-slow neutron capture therapy-development of binding compounds
 ** R01CA-12025-03 Structural chemistry of borane anion complexes
 ** R01CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
 R01DE-02659-08 0002 Solubility and diffusion of calcium phosphates - Topical fluoridation of tooth enamel (human)
 R01GM-06920-15 Molecular structure of biologically active molecules
 ** R01GM-10937-12 Stereospecific synthesis via hydroboration

METALS, BORON COMPOUNDS, BOROHYDRIDES

- R01CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
 R01MH-20686-03 Psychotropic agents and emineergic receptors

METALS, BORON COMPOUNDS, BORONIC ACIDS

- R01GM-20817-01 Mechanisms of enzymatic catalysis (human, bacteria)

METALS, DIVALENT METALS

- P01CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
 ** R01GM-14945-08 Divalent cations in enolase and other biological systems (human)
 R01GM-15549-06 Role of metal ions in enzyme catalysis (yeast, marine snail)
 ** R01GM-18701-03 Kinetics of enzyme activation by divalent metal ions
 R01GM-19357-03 Spectroscopic studies of metalloenzymes
 R01HL-15196-02 Theory of electronic properties of metalloproteins
 R01HL-16746-01 Design of ion-selective molecules
 ** P01NS-07253-06 0015 Center for clinical studies of head injuries - Divalent ion metabolism after head injury (human)
 R01NS-08287-05 Metabolism of carnosine and other histidyl compounds (tuna, fish, mice, human)

METALS, HEAVY METALS

SEE ALSO CHEMICAL REACTIONS, SUBSTITUTION, ISOMORPHOUS

SEE ALSO IRON

SEE ALSO METALS, RARE EARTHS

SEE ALSO RADIOISOTOPES, ACTINIDE SERIES

SEE ALSO RADIOISOTOPES, IRIIDIUM 192

SEE ALSO RADIOISOTOPES, RADIUM

SEE ALSO RADIOISOTOPES, TECHNETIUM 99

SEE ALSO RADIOISOTOPES, YTTRIUM 90

SEE ALSO RADIOLABELED TECHNETIUM*

- ** R22AI-10683-03 Antimonial anthelmintic agents (rats, mice)
 R01AM-02217-15 Mechanism of renal tubular and intestinal transport (dogs, rats, hamsters)
 R01AM-15972-03 Excretory and osmoregulatory mechanics (reptiles, mammals, fish, amphibians)
 R01CA-12754-03 Long-term banking of bone marrow for clinical use (human, rodents)
 R01CA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
 R01CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
 ** P01ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amine acid metabolism (rats, fish)
 ** P10ES-00159-09 0017 Center for study of the human environment - Action of heavy metals on the kidney (rabbits)
 ** P10ES-00210-07 0011 Center for environmental management - Heavy metal toxicity
 ** P10ES-00210-07 0013 Center for environmental management - Heavy metals in the environment (rats, sheep)
 ** P10ES-00210-07 0014 Center for environmental management - Heavy metals and intestinal lactose enzymes (hogs, rats, human)
 M P01ES-00481-03 Subcellular pathology of heavy metals
 P01ES-00481-03 0006 Subcellular pathology of heavy metals - Effects of bismuth, cadmium and arsenic (rabbits, rats)
 ** P01ES-00481-03 0014 Subcellular pathology of heavy metals - Simultaneous multi-trace heavy element analyses by spark source mass spectrometer
 P01ES-00481-03 0015 Subcellular pathology of heavy metals - X-ray fluorescence of heavy metal L and M x-rays
 ** N01ES-22043-05 Fate of heavy metals and heavy metal complexes in soils and plants
 ** N01ES-22090-03 Appraisal of environmental exposure to heavy metals
 R01GM-10867-13 Crystal structures of some metal-peptide complexes
 R01GM-11762-10 Effects of salts on interactions in aqueous media
 ** P01GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
 N01HB-32908-02 Toxicology of plastic devices having contact with blood (human, animals)
 R01HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)
 R01HL-13764-03 Control of renin release by the kidney in vitro (rats)
 R01HL-15668-02 0001 Extracorporeal respiratory gas exchange-New approach - Extracorporeal respiratory gas exchange (dogs)
 R01NS-07595-06 Structure and function in peripheral nerve (lobsters, garfish)
 ** R01NS-10412-03 0002 Physiohistopathology of inner ear organs - Histopathology of temporal bones (human)

METALS, HEAVY METALS, CADMIUM

- SEE ALSO METALLOPROTEINS, METALLOTHIONEIN
 R01AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
 P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
 R01DE-01912-11 Neutron diffraction studies of tooth components (human)
 P13DE-02623-08 0011 Center for oral health research - Detecting subclinical lead poisoning using primary teeth
 P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
 P10ES-00159-09 0011 Center for study of the human environment - Evaluation of metal interactions in cultured cells
 P10ES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
 P10ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
 P10ES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals
 P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
 P10ES-00210-07 0011 Center for environmental management - Heavy metal toxicity
 P10ES-00210-07 0013 Center for environmental management - Heavy metals in the environment (rats, sheep)
 P10ES-00210-07 0032 Center for environmental management - Pesticides in central and western Oregon (hazwts)
 ** P01ES-00226-08 0002 Comparative environmental toxicology - Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit)
 ** P10ES-00260-12 0012 Research in the environmental health sciences - Distribution of cadmium in a heavily contaminated marsh (Hudson River)
 R01ES-00320-07 Quantitative genetic study of environmental mutagen (*Drosophila*, hamsters)
 ** P01ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
 ** P01ES-00481-03 0006 Subcellular pathology of heavy metals - Effects of bismuth, cadmium and arsenic (rabbits, rats)
 ** P01ES-00481-03 0007 Subcellular pathology of heavy metals - Lead and cadmium toxicity in humans
 ** P01ES-00481-03 0012 Subcellular pathology of heavy metals - Effects of cadmium on testis (mice)
 P01ES-00481-03 0015 Subcellular pathology of heavy metals - X-ray fluorescence of heavy metal L and M x-rays
 R01ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 ** R01ES-00709-03 Chronic and multi-generation of cadmium (rats, monkeys)
 ** R01ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)
 R01ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
 R01ES-00803-03 Cellular response to environmental stress (slime molds)
 ** R01ES-00804-03 Metabolism of heavy metal cations (bacteria)
 ** R01ES-00836-02 Effects on the immune system of cadmium toxicity (mice, rabbits)
 R01ES-00888-01 Influence of trace metals on experimental infections (mice, human)
 R01ES-00895-01 Structural studies in treatment of metal poisoning
 ** R01ES-00921-02 Cadmium-induced prolongation of drug action (rats)
 ** R01ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
 R01ES-00997-01 Interactions of toxic metal species with biomolecules (human, yeasts, *E. coli*)
 P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
 R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
 ** P01GM-15003-13 0001 The biological functions of metals - Carboxypeptidase A
 P01GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
 P01GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
 P01GM-15003-13 0025 The biological functions of metals - Zinc deficiency (*Euglena gracilis*, *E. coli*, human, rats)
 P11GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
 R01GM-18816-03 Calorimetric and NMR study of metalloenzyme systems
 R01GM-20431-01 Determination of trace metals in biological samples

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)
 P01HL-07762-12 0006 Cardiovascular control by neural and chemical systems - Humoral and connective tissue properties (human, animals)
 P17HL-14150-04 0017 Specialized center of research in hypertension - Biotechnology resource in electronprobe microanalysis (rats)
 ** R01HL-14295-03 Experimental renal and neurogenic hypertension (human, dogs)
 ** R01HL-14361-03 Cadmium, renin-angiotensin and hypertension
 P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
 P17HL-15063-03 0001 SCOR diffuse infiltrate lung disease - Chronic interstitial pneumonia (human, dogs)
 P17HL-15063-03 0005 SCOR diffuse infiltrate lung disease - Experimental pulmonary emphysema (rats, human)
 P18HL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
 ** R01HL-16674-01 Airborne metals and lung permeability (bullfrogs, rabbits, cats)
 R01NS-07541-07 Experimental hypertrophic neuropathy (rats, rabbits, cats)
 R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
 ** R01OH-00337-05 Mechanisms of cadmium toxicity (rats)
 ** R01OH-00347-04 Biological interactions of environmental metals (dogs)
 R01OH-00355-03 Interaction of coal dust with essential metals (rats)
 ** M01RR-00322-08 General clinical research center
 P07RR-00636-02 0012 Special resource for NMR studies in biomolecules - Phosphate transfer mechanisms
 P07RR-00636-02 0016 Special resource for NMR studies in biomolecules - Factors involved in heavy metal poisoning (horse)

METALS, HEAVY METALS, CHROMIUM

- SEE ALSO RADIOISOTOPES, CHROMIUM 51
 R01AI-11744-01 Hydroxamate complexes in iron transport systems
 R01AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)
 R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
 ** R01AM-12432-06 Human chromium nutrition and deficiency
 ** R01AM-15100-04 Importance of chromium in human nutrition (also mice)
 R01AM-15251-04 Control mechanisms of ion and electron transfer
 ** R01AM-15615-03 Chromium in lipid and carbohydrate metabolism (rats, human)
 N01AM-42214-00 Trace element abnormalities in children with chronic renal failure
 P02CA-12247-03 0036 Pediatric oncology center - Neutrophil function studies (human)
 P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
 P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
 R01CA-13992-02 0010 Surface membranes of normal and cancer cells - Marine biology (dogfish, sea urchins)
 N01CP-33260-04 Studies on pulmonary carcinogenesis (rats, hamsters)
 ** R01DE-02017-10 Various phases in chromium-cobalt alloys
 R01DE-02455-08 Constitution diagrams for alloys of the noble metals
 R01DE-03802-01 Nonbiologic implant support for overdentures (monkeys)
 P01ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amino acid metabolism (rats, fish)
 P10ES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals
 P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
 P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
 P01ES-00481-03 0008 Subcellular pathology of heavy metals - Effects of chelators on metal metabolism
 R01ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 ** R01GM-13638-09 Organic groups in redox reactions of metal ions
 P01GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
 P01GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
 ** R01GM-17913-04 New methodologies in bioanalytical chemistry
 R01GM-18938-03 Determination of enzyme mechanisms by kinetic studies

- R01GM-20431-01 Determination of trace metals in biological samples
 P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
 P01HD-04024-06 0007 Mental retardation research center - Trace metal metabolism (human)
 R01OH-00321-06 In vitro studies of occupational dermatitis (guinea pigs, human)
 ** M01RR-00069-12 0069 General clinical research center, children - Effect of chromium on chemotaxis of polymorphonuclear leukocytes in diabetes
 ** M01RR-00229-09 0016 General clinical research center - Role of chromium in abnormal carbohydrate metabolism (human)

METALS, HEAVY METALS, COBALT

- SEE ALSO RADIOISOTOPES, COBALT
 SEE ALSO VITAMIN B12
 R01AI-11744-01 Hydroxamate complexes in iron transport systems
 R01AM-09085-10 Structure of biological molecules (fungi)
 R01AM-13339-06 Metal complexes related to vitamin B12
 ** R01AM-14341-06 Reaction mechanisms of cyclic tetramine complexes
 R01AM-15725-03 Hyperfine interactions in iron proteins (human, mycobacteria, Escherichia, beans)
 P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 R01AM-16452-01 Control and disorder of iron metabolism (human)
 N01AM-42214-00 Trace element abnormalities in children with chronic renal failure
 N01CP-33229-03 Study carcinogenicity of heavy metals (rats)
 R01DE-01382-14 Calcification mechanisms (mollusks, algae, chickens, echinoderms)
 ** R01DE-02017-10 Various phases in chromium-cobalt alloys
 R01DE-03802-01 Nonbiologic implant support for overdentures (monkeys)
 P10ES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
 P11GM-12675-10 0014 Biochemical toxicology and pharmacology - Chemical alterations of carbon monoxide induced hepatotoxicity and lethality
 R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
 P01GM-15003-13 0004 The biological functions of metals - Aldolase (yeast, muscle)
 P01GM-15003-13 0008 The biological functions of metals - Metalloenzyme models
 P01GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
 P01GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies
 P01GM-15003-13 0016 The biological functions of metals - Electron paramagnetic resonance spectroscopy in structure studies
 P01GM-15003-13 0018 The biological functions of metals - Rapid kinetics in structure studies
 P11GM-15477-08 0005 Drug metabolism and biochemical pharmacology - Metabolism of cyclophosphamide and separation of metabolites (rats, mice)
 P11GM-15477-08 0006 Drug metabolism and biochemical pharmacology - Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice)
 P11GM-15477-08 0007 Drug metabolism and biochemical pharmacology - Selective toxicity of cyclophosphamide (rats)
 R01GM-16449-06 Iron-sulfur coordination and protein chemistry
 P01GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
 R01GM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
 R01GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
 R01GM-18813-03 Crystallography of organic disulfide-metal complexes
 R01GM-18983-03 Models for metalloproteases
 R01GM-20307-10 Structure and reaction of the cobamide coenzymes (microorganisms)
 R01GM-20378-01 Active site identification in metalloenzymes (E coli)
 P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
 R01GM-21156-01 Interaction of spin labels with transition metals
 ** R01HL-12395-06 X-ray study of oxygen-carrying cobalt complexes
 R01HL-13157-05 Molecular oxygen carriers - Synthesis, structure, bonding
 ** R01HL-13412-12 Synthetic oxygen carriers
 R01HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
 P01HL-14414-03 0011 Cardiorespiratory performance and environmental factors - Gas balance of tissues (rats, cats)
 R01HL-14508-06 Structure and function of respiratory hemoproteins
 R01HL-14721-02 Role of trace metals in cardiomyopathies (human, rats)

- R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
 R01HL-15640-02 Reactions of polydentate thioamino metal complexes
 P01HS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
 R01HS-11821-01 Diphenylhydantoin-induced cleft palate inhibition by B12 congeners (mice)
 P07RR-00636-02 0012 Special resource for NMR studies in biomolecules - Phosphate transfer mechanisms

METALS, HEAVY METALS, COBALTOCENE

- P01GM-15003-13 0014 The biological functions of metals - Circular dichroism in structure studies

METALS, HEAVY METALS, COPPER

- SEE ALSO METAL DISORDERS AND IMBALANCES, HYPERCUPREMIAS
 SEE ALSO METAL DISORDERS AND IMBALANCES, HYPOCUPREMIAS
 SEE ALSO METALLOPROTEINS, AZURIN
 SEE ALSO METALLOPROTEINS, CERULOPLASMIN
 SEE ALSO METALLOPROTEINS, CYTOCUPREINS
 SEE ALSO METALLOPROTEINS, HEMOCYANIN
 ** R01AM-01059-19 Hereditary defects in protein synthesis (human, rats)
 ** R01AM-03932-14 Copper metabolism in the rat
 ** P01AM-04489-14 0006 Hematology - Copper proteins and iron metabolism
 R01AM-09250-09 Characterization of erythrocyte proteins (human, chickens)
 R22AM-09980-09 0009 Infantile diarrhea and malnutrition (Peru, Baltimore) - Indicators of protein status (human)
 ** R22AM-09980-09 0010 Infantile diarrhea and malnutrition (Peru, Baltimore) - Copper metabolism (human)
 R01AM-12245-07 Structure of biotin enzymes (cattle, birds, microorganisms)
 R01AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
 R01AM-14341-06 Reaction mechanisms of cyclic tetramine complexes
 ** R01AM-14784-03 Physiology of copper and zinc in Wilson disease (human)
 ** R01AM-16412-01 Bioinorganic and medical aspects of Cu-cysteinate
 ** R01AM-16489-02 0011 Control of tissue rejection by zinc - Interaction of zinc with other metals (chick embryo, rats, dogs)
 P17AM-17702-01 0010 Hepatitis cirrhosis center - Organella pathology in liver (human, rats)
 N01AM-42214-00 Trace element abnormalities in children with chronic renal failure
 R01CA-04679-15 0002 Biology of normal and malignant melanocytes - Tyrosinase, adenylyl cyclase, and cholinesterase
 P01CA-07175-11 0007 Cancer research at the McArdle laboratory - Protein structure-function relationships (human)
 ** R01CA-11430-09 0045 Biomathematics and computing in a cancer institute - Serum copper in normal children and with Hodgkin's disease
 ** R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer
 R01CA-15874-01 Enzymatically generated singlet oxygen in carcinogenesis
 R01CA-16156-01 Metals and antitumor activity of thiosemicarbazones
 R01DE-02147-10 Phase equilibrium and setting in dental amalgams (human)
 R01DE-03434-09 Dental amalgams of controlled constitution
 R01ES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)
 ** P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
 ** P10ES-00159-09 0010 Center for study of the human environment - Interaction of copper, zinc, and environmental chemicals and lipid metabolism
 P10ES-00159-09 0012 Center for study of the human environment - Trace metal requirements for connective tissue synthesis in cell culture
 P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
 P10ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
 P10ES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals
 P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
 P01ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
 R01ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- POIES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
- ROIES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
- ROIES-00895-01 Structural studies in treatment of metal poisoning
- ROIES-00900-02 Effect of toxic metals on specific brain structures (rabbits)
- ROIEY-01318-01 Metallic ions in the vitreous body of the eye (rabbits)
- POIGM-10403-12 0001 Biophysical studies on viral structure and function - Polymerization of TMV protein
- ROIGM-11422-11 0001 Cell water, ions and control mechanisms - Cell water and its properties (frogs, birds)
- ** ROIGM-12152-10 Metal ion transfer and catalysis in peptide complexes
- ROIGM-12176-10 0004 Redox reactions by optical and EPR spectrometry - Search for proteins which satisfy the ENDOR conditions
- PIIGM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis - Drug metabolism, and pharmacology (rats, fish)
- ROIGM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
- POIGM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
- POIGM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
- POIGM-15003-13 0016 The biological functions of metals - Electron paramagnetic resonance spectroscopy in structure studies
- POIGM-15003-13 0025 The biological functions of metals - Zinc deficiency (*Escherichia coli*, human, rats)
- PIIGM-15477-08 0110 Drug metabolism and biochemical pharmacology - Brain catecholamines, diethylthiocarbamate and dopa (rats)
- PIIGM-15956-07 0051 Factors affecting the responses to drugs - Biliary excretion of lead, (rats, rabbits, dogs) copper and arsenic
- ROIGM-16767-06 Reconstitution of mitochondrial respiratory chain
- ROIGM-18528-13 Molecular basis for function of bacterial metalloproteins (also plants)
- ROIGM-18813-03 Crystallography of organic disulfide-metal complexes
- ROIGM-19775-02 Activation of molecular oxygen by metal peptides
- ROIGM-19807-02 0010 Membrane permeability as a regulatory element - Control of respiratory development in silicas (plants)
- ROIGM-20424-01 Macrocyclic ligand kinetics-polythioether complexes (in vitro, in vivo)
- ROIGM-20431-01 Determination of trace metals in biological samples
- ROIGM-20707-01 Biogenesis of cyclopropane rings
- ** ROIGM-20943-01 Mechanisms of biological redox reactions of copper
- ROIGM-21156-01 Interaction of spin labels with transition metals
- ROIHD-02355-08 Genetic-nutritional interactions in development (mice)
- ROIHD-02761-07 Growth and development of adipose tissue (rats, mice)
- ROIHD-05316-04 Proteins of mammalian sperm/atozoa (rats, rabbits, human)
- ** POIHD-05671-03 0003 Center for population research - Mechanisms of contraceptive action of copper wire in rats
- POIHD-05671-03 0004 Center for population research - Antifertility effect of intrauterine devices (human)
- ** POIHD-05671-03 0042 Center for population research - Copper in tissues from intrauterine copper devices (rats, monkeys, human)
- POIHD-05671-03 0047 Center for population research - Comparative study of copper T and lipless loop (human)
- NOIHD-22784-03 Effect of oral contraceptives on nutritional status (human)
- NOIHD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r)
- NOIHD-22790-01 Effects of contraceptive steroids on trace elements (human)
- ROIHL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
- ROIHL-11614-07 Trace elements in nutrition (chickens, rats)
- ROIHL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
- ROIHL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)
- ROIHL-13652-04 Metal sites in metalloproteins
- PI7HL-14153-04 0004 Johns Hopkins Lung Center - Lung, macrophages in chronic inflammation (rabbits)
- ** ROIHL-14719-12 Role of copper in metabolism (chickens)
- ROIHL-15980-02 Isolation, structure and model reactions of heme A (cattle)
- PI8HL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
- ROIHL-16686-01 Properties of cytochrome oxidase (beef, yeast, bacteria)
- RZ3HL-17205-01 Lung metalloenzymes-Regulation by metals and gases (rats)
- ROIHR-21730-03 Role of metal chelates in biogenic amine activity
- ROINS-06856-08 Storage disease-intracellular transport and digestion (human, animals, plants)
- ROINS-09335-04 Drug interactions with brain microtubule (human, chick embryos)
- ROINS-09349-04 Intravascular magnetic techniques and the nervous system (human, mammals)
- ROINS-11556-01 Metal chelates of L-DOPA for Parkinsonism
- ROI0H-00309-16 Factors effecting the excretion of industrial poisons (human)
- ROI0H-00315-11 Biochemical and physiologic response to toxic stress (rats)
- ROI0H-00337-05 Mechanisms of cadmium toxicity (rats)
- ROI0H-00355-03 Interaction of coal dust with essential metals (rats)
- ROI0H-00415-01 Ultra-sensitive methods of trace metal analysis
- MOIRR-00052-13 0040 General clinical research center for children - Menke's kinky hair syndrome
- MOIRR-00064-10 0002 General clinical research center - Copper metabolism in human subjects
- MOIRR-00069-12 0098 General clinical research center, children - Menkes kinky hair syndrome
- MOIRR-00082-12 0075 General clinical research center - Wilson's syndrome (human)
- ** MOIRR-00125-11 0196 General clinical research center-adult-child - Copper metabolism in Menke's kinky hair syndrome
- MOIRR-00287-08 0023 General clinical research center - Trace metals and enzymes in healing wounds (human)
- MOIRR-00585-03 0006 General clinical research center - Long term study of Wilson's disease (human)
- METALS, HEAVY METALS, COPPER SULFATE**
- PIOES-00210-07 0027 Center for environmental management - Prediction of effects of environmental toxicants
- METALS, HEAVY METALS, GALLIUM**
- SEE ALSO RADIOISOTOPES, GALLIUM
- ** ROI0A-11858-05 Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters)
- ** ROI0A-13004-03 Effect of irradiation on ⁶⁷Ga localization in animals (mice)
- ROIES-00699-15 Abnormal trace metals in disease (mice, rats)
- ** PIIGM-15559-07 0032 Clinical pharmacology - Metal-containing compounds with cancer chemotherapeutic potentials
- METALS, HEAVY METALS, GERMANIUM**
- ROIES-00699-15 Abnormal trace metals in disease (mice, rats)
- POIGM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
- ROI0GM-21722-01 Mosaic intrinsic germanium radioisotope scan device
- METALS, HEAVY METALS, GOLD**
- SEE ALSO HEXOSES, GLUCOSE, GOLD THIOGLUCOSE
- SEE ALSO RADIOISOTOPES, GOLD 198
- POI0A-11313-02 0001 Humoral, cellular and genetic mechanisms in autoimmunity - Information handling in clinical research (human)
- ROI0A-12081-01 Pathology of experimental mycoplasma infection (chickens, guinea pigs)
- PO2AM-05577-13 0013 Clinical research unit in rheumatic diseases - Blossay to assess drug efficacy (chick embryo)
- ROI0AM-16101-03 Methylation of aed by metal complexes
- ROI0A-16968-01 Influence of metal complexes on DNA
- ROI0DE-02320-09 Clinical behavior of dental restorative materials
- ROI0DE-02455-08 Constitution diagrams for alloys of the noble metals
- PI3DE-02668-08 0023 Dental research center - Biomaterials (human)
- ROI0DE-03504-06 Clinical study of dental materials and techniques (human, monkeys)
- ** PI1GM-15759-08 0017 Clinical pharmacology in rheumatic and muscular diseases - Clinical and laboratory study of gold preparations (human, rats)
- PI1GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
- ** PO1GM-17940-04 0002 Integrated electronics for medical applications - Integrated circuit transducers (cats)
- POIHL-11310-08 0038 Mechanisms of cardiovascular disease - Participation of complement in acute inflammation (human, animals)
- NOIHR-33003-01 Development of an implantable oxygen sensor
- ** PO7RR-00003-13 0059 Medical data processing research - Metabolism of gold
- ** MOIRR-00043-14 0016 General clinical research center - N-acetylcysteine therapy for connective tissue disorders (human)
- ** MOIRR-00043-14 0039 General clinical research center - Gold therapy for rheumatoid arthritis (human)
- MOIRR-00051-13 0059 General clinical research center - Multiple parameters for measuring joint inflammation (human)
- MOIRR-00261-09 0111 General clinical research center - Rheumatoid arthritis (human)
- ** MOIRR-00336-08 0059 General clinical research center - Fenoplon calcium aspirin, and gold therapy in rheumatoid arthritis (human)
- MOIRR-00833-01 0033 General clinical research center - Rheumatoid arthritis (human)
- METALS, HEAVY METALS, INDIUM**
- PIOES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
- ROIES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
- ROIES-00699-15 Abnormal trace metals in disease (mice, rats)
- ROI0GM-21111-02 Study of biomolecules by magnetic resonance methods
- METALS, HEAVY METALS, LEAD**
- SEE ALSO METALS POISONING, LEAD POISONING
- SEE ALSO RADIOISOTOPES, LEAD 210
- ROI0AM-14513-04 Biliary excretion in neonatal toxicology (rats)
- POIES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoalteration (mice, rats, fish)
- POIES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals - Metabolism and photodecomposition (rodents)
- PIOES-00210-07 0030 Center for environmental management - Histopathology of lungs of rats
- PIOES-00210-07 0032 Center for environmental management - Pesticides in central and western Oregon (hawks)
- ROIES-00320-07 Quantitative genetic study of environmental mutagen (*Drosophila*, hamsters)
- POIES-00481-03 0015 Subcellular pathology of heavy metals - X-ray fluorescence of heavy metal L and M x-rays
- ** POIES-00481-03 0016 Subcellular pathology of heavy metals - Gas chromatography of very low levels of lead in biological materials
- ** ROIES-00649-03 Lead and mercury ions and chemical synapse (frogs)
- ** ROIES-00706-03 Cytotoxicity of lead and mercury
- ** ROIES-00826-02 Function of lead in tumorigenesis (mice, rats)
- ROIES-00895-01 Structural studies in treatment of metal poisoning
- ROIES-01055-01 Lead and PCBs-Pharmacologic and toxicologic studies (human, mammals, birds)
- ROI0GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- POI0GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
- PI1GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
- ROI0GM-20431-01 Determination of trace metals in biological samples
- ROI0HD-00727-09 Placental transfer of mineral elements (guinea pigs)
- POIHL-08682-11 0012 Regulation of the cardiovascular system - Hepatic circulation and macrophage function during endotoxin shock (rats)
- ROIHL-16746-01 Design of ion-selective molecules
- ROINS-07541-07 Experimental hypertrophic neuropathy (rats, rabbits, cats)
- ROINS-10124-03 Drug effects on membrane-bound endplate cholinesterase (cats, rats, frogs)
- ROI0H-00309-16 Factors affecting the excretion of industrial poisons (human)
- ROI0H-00337-05 Mechanisms of cadmium toxicity (rats)
- SO6RR-08005-03 Environmental carcinogens (Federal City College)(human, hamsters)
- METALS, HEAVY METALS, LEAD TETRAACETATE**
- ROI0GM-19959-01 New synthesis of unsaturated carbonyl compounds
- METALS, HEAVY METALS, MANGANESE**
- SEE ALSO METALS POISONING, MANGANESE POISONING
- ROI0AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
- ROI0AM-11157-08 Molecular basis of aspartokinase feedback control (E coli)
- ROI0AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- ROI0AM-14272-05 Electron probe investigation of cell calcium (chick embryo)
- ROI0AM-15178-03 Genetic and nutritional defects in skeletal growth (animals)
- ROI0AM-17049-01 NMR studies of metals in kinases and related enzymes (chickens)
- ** ROI0AM-17550-01 Nutritional (manganese) deficiency and lysosomal function (chickens)

(cont'd)

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**Oriented significantly to above subject.

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- NOIAM-42214-00 Trace element abnormalities in children with chronic renal failure
- ROICA-08348-10 Biochemistry of procarbazine and related hydrazines (rats)
- PIOES-00159-09 0011 Center for study of the human environment - Evaluation of metal interactions in cultured cells
- PIOES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
- RO1GM-12446-10 NMR studies of macromolecules and their interactions (rabbits, lobsters, swine)
- RO1GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
- RO1GM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
- PO1GM-15003-13 0007 The biological functions of metals - Metal-enzyme complexes-Arginase (cattle, human)
- PO1GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
- RO1GM-16449-06 Iron-sulfur coordination and protein chemistry
- RO1GM-16603-06 Chemical studies on pancreatic deoxyribonuclease
- RO1GM-21156-01 Interaction of spin labels with transition metals
- RO1HD-02355-08 Genetic-nutritional interactions in development (mice)
- ** PO1HD-08315-01 0003 Biochemical, genetic and other studies in retardation - Specific nutrient deficiencies and brain development (rats)
- RO1HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
- PO1HL-06308-14 0029 Mechanisms and therapy of circulatory disease - Mechanisms of arrhythmias (human, dogs)
- PO1HL-06350-13 0014 Hemostasis research program project - Biochemical genetic studies of hemophilia (dogs)
- PO1HL-11414-07 0019 Thrombosis and atherosclerosis program - Control of metabolism by metal cation environment
- RO1HL-15630-02 The pharmacology of coumarin (rats)
- PIHML-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
- ** PO1MS-11131-01 0005 Extrapyramidal and related behavioral disorders - Measurements of manganese, dopamine and dopa in brain (cats)
- ** PO1MS-11131-01 0006 Extrapyramidal and related behavioral disorders - Analysis of cat brain for manganese, dopa and dopamine
- ** PO1MS-11131-01 0007 Extrapyramidal and related behavioral disorders - Changes in manganese levels in mice
- ** PO1MS-11131-01 0008 Extrapyramidal and related behavioral disorders - Manganese levodopa and prodinsolone (mice)
- ** PO1MS-11131-01 0009 Extrapyramidal and related behavioral disorders - Manganese metabolism between last week of pregnancy and 6 weeks of life (mice)
- ** PO1MS-11131-01 0010 Extrapyramidal and related behavioral disorders - Prevention by manganese of levodopa-induced hemorrhage (rats)
- RO1OH-00340-05 0006 Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
- METALS, HEAVY METALS, MERCURIALS**
SEE ALSO KIDNEY FUNCTION, MERCURIAL DIURETICS
PIOES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amine acid metabolism (rats, fish)
- ** PO1ES-00481-03 0013 Subcellular pathology of heavy metals - Gas chromatography for measurements of all forms of mercury by various reagents
- ** RO1ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
- ** RO1ES-00820-02 Toxicity of organic mercury for the fetus and newborn (human, monkeys)
- RO1GM-15373-07 Demetallation of organometallic compounds
- RO1HL-14362-03 Acute renal failure (dogs, cats, rats, guinea pigs)
- METALS, HEAVY METALS, MERCURY**
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
SEE ALSO METALS POISONING, MERCURY POISONING
RO1AM-12599-06 Chemical studies with free and bound vitamin B12 (bacteria)
- ** RO1AM-13339-06 Metal complexes related to vitamin B12
- RO1AM-15972-03 Excretory and osmoregulatory mechanics (reptiles, mammals, fish, amphibians)
- RO1AM-16101-03 Methylation of and by metal complexes
- RO1DE-03434-09 Dental amalgams of controlled constitution
- PIOES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amino acid metabolism (rats, fish)
- PIOES-00210-07 0016 Center for environmental management - Interaction of pollutant metal ions with proteins
- PIOES-00210-07 0030 Center for environmental management - Histopathology of lungs of rats
- PIOES-00210-07 0032 Center for environmental management - Pesticides in central and western Oregon (hawks)
- RO1ES-00320-07 Quantitative genetic study of environmental mutagen (Drosophila, hamsters)
- PO1ES-00481-03 0015 Subcellular pathology of heavy metals - X-ray fluorescence of heavy metal L and M x-rays
- ** PO1ES-00481-03 0018 Subcellular pathology of heavy metals - Inorganic mercury and methyl mercury in renal tissue, blood and urine
- ** RO1ES-00649-03 Lead and mercury ions and chemical synapse (frogs)
- ** RO1ES-00706-03 Cytotoxicity of lead and mercury
- RO1ES-00761-03 Chemical behavior of organomercury compounds
- RO1ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
- ** RO1ES-00804-03 Metabolism of heavy metal cations (bacteria)
- RO1ES-00895-01 Structural studies in treatment of metal poisoning
- ** PO1ES-01059-01 0001 Metallic mercury vapor as an environmental hazard - Physical states of airborne mercury (animals)
- ** PO1ES-01059-01 0002 Metallic mercury vapor as an environmental hazard - Pharmacokinetics of inhaled mercury vapor (human, animals)
- RO1GM-05919-16 0018 Enzymatic activities of mitochondria - A role for mitochondria in normal and pathological calcification (rats, crabs)
- RO1GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- PO1GM-15003-13 0001 The biological functions of metals - Carboxypeptidase A
- ** PI1GM-15190-08 0011 Center for toxicological research and training - Metabolism of methylmercury compounds in man
- ** PI1GM-15190-08 0012 Center for toxicological research and training - Methylmercury and protein synthesis in man
- ** PI1GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
- RO1GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
- RO1GM-16603-06 Chemical studies on pancreatic deoxyribonuclease
- RO1GM-18357-05 Metal complexation of diazanes, oxygen, imidazole and flavins
- RO1GM-20424-01 Macrocyclic ligand kinetics-polythiaether complexes (in vitro, in vivo)
- RO1GM-20431-01 Determination of trace metals in biological samples
- PO1HD-05797-04 0013 Population and reproductive biology - Mercury steroids as steroid receptor inhibitors
- ** RO1HL-16674-01 Airborne metals and lung permeability (bullfrogs, rabbits, cats)
- RO1HL-16746-01 Design of ion-selective molecules
- RO1OH-00309-16 Factors affecting the excretion of industrial poisons (human)
- RO1OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
- ** SO6RR-08000-03 Biomedical effects of mercury and insecticides (Rest College)
- METALS, HEAVY METALS, MOLYBDENUM**
RO1AM-12788-23 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- RO1AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
- PIOES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
- RO1GM-00091-29 Structure, function of enzymes-Role of metals (rat)
- ** RO1GM-08347-14 Function of molybdenum in biological systems
- RO1GM-18357-05 Metal complexation of diazanes, oxygen, imidazole and flavins
- RO1GM-20082-01 Preparation of fluorinated volatile anesthetics
- R23HL-17205-01 Lung metalloenzymes-Regulation by metals and gases (rats)
- METALS, HEAVY METALS, NICKEL**
RO1AI-08687-06 Natural product syntheses
- RO1AM-14341-06 Reaction mechanisms of cyclic tetramine complexes
- RO1AM-15705-03 The general intermediate for vitamin B6 catalysis
- NOIAM-42214-00 Trace element abnormalities in children with chronic renal failure
- NO1CP-33229-03 Study carcinogenicity of heavy metals (rats)
- PIOES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
- PIOES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
- PIOES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals
- PIOES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
- PIOES-00210-07 0027 Center for environmental management - Prediction of effects of environmental toxicants
- RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)
- RO1ES-00888-01 Influence of trace metals on experimental infections (mice, human)
- RO1ES-00895-01 Structural studies in treatment of metal poisoning
- RO1EY-00013-08 Experimental optic neuropathies (rats)
- RO1GM-12152-10 Metal ion transfer and catalysis in peptide complexes
- PO1GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
- RO1GM-18813-03 Crystallography of organic disulfide-metal complexes
- RO1GM-19775-02 Activation of molecular oxygen by metal peptides
- RO1GM-20304-02 Reduction and oligomerization of polyunsaturates
- RO1GM-21156-01 Interaction of spin labels with transition metals
- PI7HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
- ** RO1OH-00303-16 Clinical and laboratory studies of metal sensitivity (guinea pigs, human)
- RO1OH-00321-06 In vitro studies of occupational dermatitis (guinea pigs, human)
- METALS, HEAVY METALS, PALLADIUM**
RO1CA-11811-09 Pharmacology of derivatives of natural compounds (mice, rats)
- RO1CA-15826-01 Metal binding to polynucleotides-Probes and drugs
- RO1CA-16968-01 Influence of metal complexes on DNA
- RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)
- ** RO1GM-19047-03 Hindered coordination-Structure and reactivity
- PO1HL-15194-02 0015 Pathophysiology of cardiopulmonary dysfunction - Methodological techniques required for evaluation of cardiopulmonary dysfunction
- METALS, HEAVY METALS, PLATINUM**
RO1CA-02599-20 Acute leukemia group B (human)
- RO1CA-04915-15 Southwest cancer chemotherapy cooperative study group
- RO1CA-05295-14 0005 Chemical basis of nitrogen mustard activity - CIS-PT II complexes (mice)
- ** PO1CA-08748-09 7212 Research program of Sloan-Kettering Institute - Effect of inorganic platinum compounds on leukemic cells (mice)
- RO1CA-10948-06 Eastern cooperative oncology group
- ** RO1CA-11349-06 Platinum compounds-A new class of anti-tumor agents (mice)
- RO1CA-11811-09 Pharmacology of derivatives of natural compounds (mice, rats)
- ** RO1CA-12791-03 Pharmacology of platinum compounds (mice)
- RO1CA-14832-02 Antitumor complexes
- ** RO1CA-14969-02 0003 Radionuclide studies of tumors and growth - Production of radionuclides for studying inorganic antitumor agents
- ** RO1CA-14969-02 0004 Radionuclide studies of tumors and growth - Cis-dichlorodiammine platinum as an antitumor agent (human, dogs, rabbits)
- ** RO1CA-14969-02 0005 Radionuclide studies of tumors and growth - Molecular basis of action of cis-dichlorodiammine platinum (mammals nonhuman)
- RO1CA-15826-01 Metal binding to polynucleotides-Probes and drugs
- RO1CA-15857-01 Clinical chemotherapy and pharmacology
- PO1CA-15936-01 0007 Specialized Cancer Center - Activity trials (human)
- RO1CA-16968-01 Influence of metal complexes on DNA
- NO1GM-12309-04 Synthesis of coordination compounds as potential antitumor agents
- RO1DE-02455-08 Constitution diagrams for alloys of the noble metals
- ** MO1RR-00063-12 0082 General clinical research center - Platinum salts for solid tumors (human)
- METALS, HEAVY METALS, PLATINUM, CIS PLATINUM COMPOUNDS**
RO1CA-02649-18 Childrens cancer study group A
- RO1CA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
- PO2CA-05831-13 0027 Cancer clinical research - Pharmacology of new cancer chemotherapy agents
- PO2CA-05834-13 0038 Cancer clinical research center - Pharmacology of cancer drugs
- ** PO2CA-05834-13 0050 Cancer clinical research center - Cancer therapy with platinum complexes (human)
- RO1CA-11233-06 Southwestern cooperative chemotherapy study group
- RO1CA-15578-01 Southeastern Cancer Study Group
- PO1CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

METALS, HEAVY METALS, RHODIUM

- R01CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
 ** R01CA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)

METALS, HEAVY METALS, SILVER

- SEE ALSO METALS POISONING, ARGYRIA
 SEE ALSO RADIOASSAY, FLUORIDES*
 SEE ALSO TISSUE AND CELL PREPARATION, SILVER IMPREGNATION TECHNIQUES
 R01DE-03434-09 Dental amalgams of controlled constitution
 R01DE-03965-01 Composition changes in dental alloy
 ** R01ES-00804-03 Metabolism of heavy metal cations (bacteria)
 R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
 R01GM-21795-01 Magnetic resonance of heterocyclic triplet states
 N01RR-00645-03 0061 Clinical research center - Silver nitrate cream combination for permanent tubal blockage (human)

METALS, HEAVY METALS, TANTALUM

- ** N01CB-33855-04 Study of intrabronchial deposition on inhaled radioopaque particles
 N01CM-12309-04 Synthesis of coordination compounds as potential antitumor agents
 R01DE-02017-10 Various phases in chromium-cobalt alloys
 P01GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
 P01GM-21056-01 0014 Interfacial behavior of biomaterials - Electrical analgesia electrodes (monkeys)
 ** P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
 P17HL-15098-03 0012 Special center of research - Environmental lung disease - Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys)
 R01HL-15423-02 Regional cerebral blood volume by X-ray fluorescence (human, monkeys)

METALS, HEAVY METALS, THALLIUM

- SEE ALSO RADIOSOTOPES, THALLIUM
 R01AL-09288-05 Subcellular components of bacterial and animal cells (mice)
 R01CA-16316-01 Melanoma detection with radiopharmaceuticals
 R01EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)
 R01EY-00483-07 Intracellular fluid dynamics (rabbits)
 R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotaxins (human, rats, mice, rabbits)

METALS, HEAVY METALS, TIN

- R01DE-03434-09 Dental amalgams of controlled constitution
 R01DE-03965-01 Composition changes in dental alloy
 P01ES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoalteration (mice, rats, fish)
 ** P01ES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals - Metabolism and photodecomposition (rodents)
 P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 P01GM-18674-03 0014 Diagnostic radiology research and training center - Chemistry and physiology of technetium-99m labeled compounds (mice, dogs)
 R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotaxins (human, rats, mice, rabbits)

METALS, HEAVY METALS, TITANIUM

- R01CA-16316-01 Melanoma detection with radiopharmaceuticals
 N01CP-33229-03 Study carcinogenicity of heavy metals (rats)
 ** R01DE-03227-03 Immediate metal implants into extraction sockets (dogs, baboons)
 R01DE-03802-01 Nonbiologic implant support for overdentures (monkeys)
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 ** P10ES-00928-01 0006 Environmental agents-Relation to human health effects - Exposure to titanium dioxide - Cancer risk in humans
 P01GM-21056-01 0014 Interfacial behavior of biomaterials - Electrical analgesia electrodes (monkeys)

METALS, HEAVY METALS, TUNGSTEN

- R01ES-00699-15 Abnormal trace metals in disease (mice, rats)

- P01GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)

METALS, HEAVY METALS, VANADIUM

- ** R01AM-08669-12 New essential trace elements (rats)
 R01DE-02455-08 Constitution diagrams for alloys of the noble metals
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 ** R01ES-00894-01 and vanadates
 ** R01GM-20194-03 Vanadyl ion EPR-Heavy metal binding in proteins

METALS, HEAVY METALS, ZINC

- SEE ALSO METALLOPROTEINS, METALLOTHIONEIN
 ** R01AM-01483-18 Transport of calcium (human, hamsters, rats)
 R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
 R01AM-09221-10 Physico-chemical studies of enzymic hydration (human, cattle, plants)
 R22AM-09980-09 0009 Infantile diarrhea and malnutrition (Paris, Baltimore) - Indicators of protein status (human)
 ** R01AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
 R01AM-12432-06 Human chromium nutrition and deficiency
 R01AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
 ** R01AM-14784-03 Physiology of copper and zinc in Wilsons disease (human)
 R01AM-15443-03 Regulation of erythroid maturation (human, rabbits, guinea pigs, mice)
 M R01AM-16489-02 Control of tissue rejection by zinc
 ** R01AM-16489-02 0008 Control of tissue rejection by zinc - Zinc and lipid peroxidation (rats)
 ** R01AM-16489-02 0009 Control of tissue rejection by zinc - Zinc and biomembranes (rabbits, dogs)
 ** R01AM-16489-02 0010 Control of tissue rejection by zinc - Effect of zinc on cells (mice)
 ** R01AM-16489-02 0011 Control of tissue rejection by zinc - Interaction of zinc with other metals (chick embryo, rats, dogs)
 ** R01AM-16489-02 0012 Control of tissue rejection by zinc - Effect of zinc on complement hemolysis of sheep red blood cells
 N01AM-42214-00 Trace element abnormalities in children with chronic renal failure
 R01CA-01786-20 0003 Blood proteins - Superoxide dismutase (human)
 R01CA-05295-14 0002 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA polymerase (bacteria)
 ** P01CA-08748-09 5912 Research program of Sloan-Kettering Institute - Zinc in the human reproductive tract
 P01CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)
 P02CA-11198-06 0002 Cancer research center - Tumor biology and bank (mice)
 R01CA-12818-03 DNA polymerases in normal and leukemic lymphocytes (human)
 R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
 ** R01CA-15290-01 Cancer spreading factors as a target for zinc therapy
 R01CA-15744-01 Primary events in regulation cell multiplication (chick embryo)
 R01DE-02342-07 Normal and altered oral mucosa (rats)
 P13DE-02623-08 0010 Center for oral health research - Mitochondrion and the mineralization process (chickens)
 R01DE-03764-01 Atypical facial pain and disturbed oral sensation (human)
 ** P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
 ** P10ES-00159-09 0010 Center for study of the human environment - Interaction of copper, zinc, and environmental chemicals and lipid metabolism
 P10ES-00159-09 0011 Center for study of the human environment - Evaluation of metal interactions in cultured cells
 P10ES-00159-09 0012 Center for study of the human environment - Trace metal requirements for connective tissue synthesis in cell culture
 P10ES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
 P10ES-00159-09 0014 Center for study of the human environment - Teratogenesis produced by chemicals by interaction with metals
 P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
 P10ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
 P10ES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals

- P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
 P10ES-00210-07 0027 Center for environmental management - Prediction of effects of environmental toxicants
 P01ES-00481-03 0008 Subcellular pathology of heavy metals - Effects of chelators on metal metabolism
 ** P01ES-00481-03 0017 Subcellular pathology of heavy metals - In vivo effects of NTA and EDTA on chromium and lead levels in rat tissue
 R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
 R01ES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
 R01ES-00900-02 Effect of toxic metals on specific brain structures (rabbits)
 R01ES-00921-02 Cadmium-induced prolongation of drug action (rats)
 R01ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
 P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Home and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
 R01GM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
 ** P01GM-15003-13 0001 The biological functions of metals - Carbonic dehydratase A
 ** P01GM-15003-13 0002 The biological functions of metals - Neutral proteases (Bacilli)
 ** P01GM-15003-13 0003 The biological functions of metals - Alkaline phosphatase (E coli, yeast, human, Euglena)
 P01GM-15003-13 0004 The biological functions of metals - Aldolase (yeast, muscle)
 P01GM-15003-13 0005 The biological functions of metals - Liver alcohol dehydrogenase (human)
 P01GM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
 P01GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
 P01GM-15003-13 0016 The biological functions of metals - Electron paramagnetic resonance spectroscopy in structure studies
 P01GM-15003-13 0018 The biological functions of metals - Rapid kinetics in structure studies
 ** P01GM-15003-13 0025 The biological functions of metals - Zinc deficiency (Euglena gracilis, E coli, human, rats)
 P11GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
 P01GM-15419-07 0006 Cellular and biochemical genetics - Evolution of carbonic anhydrase (human and nonhuman)
 P01GM-15428-07 0017 Center for comprehensive clinical study of trauma - Regulation of neutrophil function in experimental animals
 R01GM-15508-07 0001 Cell regulation and fetal proteins in neoplasia - Regulation of alkaline phosphatase (HeLa cells)
 P01GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
 R01GM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
 R01GM-18816-03 Calorimetric and NMR study of metalloenzyme systems
 R01GM-18983-03 Models for metalloproteases
 R01GM-19363-10 Studies of cellular regulatory mechanisms (Drosophila)
 R01GM-19439-03 Genetic control of cell physiology and structure (bacteria)
 R01GM-20431-01 Determination of trace metals in biological samples
 R01GM-21156-01 Interaction of spin labels with transition metals
 ** R01GM-21335-01 Chemistry of metal ion-protein interactions
 ** N01HB-22918-03 Studies in sickle cell disease (human, guinea pigs, rats)
 ** R01HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)
 R01HD-02355-08 Genetic-nutritional interactions in development (mice)
 R01HD-02761-07 Growth and development of adipose tissue (rats, mice)
 ** R01HD-05316-04 Proteins of mammalian sperm/atozoa (rats, rabbits, human)
 R01HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)
 N01HD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r
 N01HD-22790-01 Effects of contraceptive steroids on trace elements (human)
 P01HL-07762-12 0006 Cardiovascular control by neural and chemical systems - Humoral and connective tissue properties (human, animals)
 ** P01HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
 P01HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology
 R01HL-11614-07 Trace elements in nutrition (chickens, rats)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- RO1HL-12585-06 Structural properties of malate dehydrogenase (swine)
- RO1HL-14361-03 Cadmium, renin-angiotensin and hypertension
- P18HL-15158-03 0021 Comprehensive sickle cell disease center - Investigations of trace elements in sickle cell anemia (human)
- ** P18HL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
- ** RO1HL-16385-01 Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog)
- RO1HL-16674-01 Airborne metals and lung permeability (bullfrogs, rabbits, cats)
- RO1HL-16934-01 Acquisition of native conformation of protein (human, cattle)
- RO1MH-21730-03 Role of metal chelates in biogenic amine activity
- RO1NS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
- RO1NS-11556-01 Metal chelates of L-DOPA for Parkinsonism
- RO1OH-00373-05 Mechanisms of cadmium toxicity (rats)
- RO1OH-00355-03 Interaction of coal dust with essential metals (rats)
- RO1OH-00415-01 Ultra-sensitive methods of trace metal analysis
- ** MO1RR-00042-14 0066 General clinical research center - Treatment of sickle cell disease by lowering red cell DPG, and with zinc (human)
- ** MO1RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child
- MO1RR-00069-12 0075 General clinical research center, children - Effect of flagyl on Zn and Cu metabolism
- MO1RR-00125-11 0217 General clinical research center - adult-child - Growth failure in adolescents with intestinal inflammatory disease
- ** MO1RR-00133-10 0064 General clinical research center - Percutaneous absorption of zinc pyritione (human)
- ** MO1RR-00287-08 0023 General clinical research center - Trace metals and enzymes in healing wounds (human)
- MO1RR-00318-08 0026 General clinical research center - Human growth studies
- MO1RR-00585-03 0006 General clinical research center - Long term study of Wilson's disease (human)
- MO1RR-00633-02 0057 General clinical research center - Relationship of zinc and nitrogen metabolism to wound healing (human)
- PO7RR-00636-02 0012 Special resource for NMR studies in biomolecules - Phosphate transfer mechanisms

METALS, METALLOIDS

- PO1GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)

METALS, METALLOIDS, ARSENIC

- RO1AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
- RO1AM-14513-04 Biliary excretion in neonatal toxicology (rats)
- RO1CA-07182-11 Heterocyclic compounds containing phosphorus
- PO1CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
- RO1CA-16912-01 Thio and seleno sugar esters of group V acids
- RO1DE-03505-06 Standard test methods for biomaterials and instrumentation
- P10ES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
- P10ES-00210-07 0013 Center for environmental management - Heavy metals in the environment (rats, sheep)
- ** P10ES-00210-07 0015 Center for environmental management - Skin cancer and arsenic in Lane County, Oregon
- ** P10ES-00260-12 0030 Research in the environmental health sciences - Mortality among individuals treated with arsenicals
- PO1ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
- PO1ES-00454-06 0024 Biological effects of environmental agents - Repair mechanisms in genetic damage and influence of environmental agents (human)
- PO1ES-00481-03 0006 Subcellular pathology of heavy metals - Effects of bismuth, cadmium and arsenic (rabbits, rats)
- ** RO1ES-00634-03 Biochemistry of arsenate (plants)
- RO1ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
- ** RO1ES-00894-01 Aqueous solution studies of arsenates and vanadates
- RO1ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
- PO1GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology

- P11GM-15956-07 0051 Factors affecting the responses to drugs - Biliary excretion of lead, (rats, rabbits, dogs) copper and arsenic
- RO1GM-20431-01 Determination of trace metals in biological samples

METALS, METALLOIDS, SELENIUM

- SEE ALSO METALS POISONING, SELENIUM POISONING
- SEE ALSO RADIOISOTOPES, SELENIUM 75
- SEE ALSO SELENOPIRIMINES
- SEE ALSO SELENOPIRIMIDINES
- SEE ALSO SULFUR AMINO ACIDS SELENATED
- ** RO1AM-06424-12 Nutritional function of selenium (rats)
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- ** RO1AM-08669-12 New essential trace elements (rats)
- ** RO1AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
- ** PO1AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
- RO1AM-15851-03 Liver plasma membrane protein turnover in cholestasis (rats)
- ** RO1AM-16986-02 Biochemical effects of selenium in tRNA (E coli, yeast, animals, plants)
- ** RO1CA-12164-03 The biological function of selenium
- ** RO1CA-12591-03 Synthesis of new ribonucleoside 3, 5 cyclic phosphates
- ** PO2CA-13943-02 0003 Clinical pharmacology immunology cancer research center - Synthesis of 2- and 4-seleno uridylic acid
- RO1CA-14221-02 Antioxidants in senescing and in neoplastic cells (mammals)
- ** RO1CA-15287-01 Effect of selenium on chemical carcinogenicity (rats)
- ** RO1CA-16912-01 Thio and seleno sugar esters of group V acids
- ** RO1DE-03856-01 Fluoride-selenium interaction in dental caries
- P10ES-00210-07 0013 Center for environmental management - Heavy metals in the environment (rats, sheep)
- ** RO1ES-00254-12 Selenium metabolism (bacteria, plants, rats, mice)
- PO1ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
- ** RO1ES-01017-01 Nutritional significance of selenium-2 selenoproteins (rats)
- ** RO1FD-00472-02 Organic metabolites of selenium (rats, chickens, swine, cattle)
- RO1GM-12176-10 0008 Redox reactions by optical and EPR spectrometry - Electron transfer in proteins (yeast)
- PO1GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
- ** RO1NS-07413-07 Metabolic relationships of selenium in myopathies (sheep)

METALS, METALLOIDS, TELLURIUM

- RO1ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)

METALS, RARE EARTHS

- SEE ALSO RADIOISOTOPES, ACTINIDE SERIES
- SEE ALSO RADIOISOTOPES, YTTRIUM 90
- RO1AM-16947-01 Lanthanide ions as spectroscopic rulers in Con A
- RO1CA-14496-02 Metal ion function in concanavalin A (beans)
- ** RO1CA-14969-02 0008 Radionuclide studies of tumors and growth - The Co 144-Pr 144 radionuclide generator
- RO1CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
- RO1ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
- ** PO1GM-15423-07 0030 Molecular basis of control mechanisms - Thermolysin-Metal substitution and thermal stability
- ** PO1GM-16058-09 0001 Biosensor and subject monitoring system development - Fluorescence spectroscopy for biological probes
- RO1GM-19019-11 Bifunctional studies of proteins (human, bacteria)
- RO1NS-10513-01 Medulated phase fluorometry for nerve ionic effects (squid)

METALS, RARE EARTHS, LANTHANUM

- RO1AM-16275-02 Ion transport by mammalian small intestine (rabbits)
- ** RO1AM-16582-02 Lanthanide ions as probes of protein structure
- RO1AM-17458-01 Conformational analysis of thyroid hormone analogs
- RO1CA-10917-06 Phosphate transport and metabolism in carcinoma cells (mice)
- RO1GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- P11GM-15956-07 0039 Factors affecting the responses to drugs - Effects of aluminum ions on gastrointestinal smooth muscle (rats, guinea pigs)
- RO1HL-09283-10 Pharmacology of molluscan hearts

- RO1HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)
- RO1HL-13349-05 Analysis of activation process in heart muscle (guinea pigs, rabbits, human)
- RO1NS-08533-06 Muscle-Fine structural basis of abnormal permeability (rats, mice)
- RO1NS-10990-01 Blood brain barrier (cats, mice)
- PO7RR-00679-02 0014 Biotechnology resource in electronprobe analysis - Barium sulfate and lanthanum in the intercellular spaces of the toad bladder

METALS, RARE EARTHS, ZIRCONIUM

- RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)

METALS POISONING

- SEE ALSO IRON DISORDERS AND IMBALANCES, IRON POISONING (ACUTE)
- SEE ALSO METAL COMPLEXES, LIGANDS, CHELATING AGENTS
- RO1AM-43932-14 Copper metabolism in the rat
- RO1AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
- RO1AM-17234-01 Effects of lithium on renal function (human, rats)
- ** PO1CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
- ** NO1CP-33229-03 Study carcinogenicity of heavy metals (rats)
- P10ES-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)
- M P01ES-00040-10 Environmental toxicology of pesticides
- P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
- P10ES-00159-09 0010 Center for study of the human environment - Interaction of copper, zinc, and environmental chemicals and lipid metabolism
- P10ES-00159-09 0011 Center for study of the human environment - Evaluation of metal interactions in cultured cells
- P10ES-00159-09 0014 Center for study of the human environment - Teratogenesis produced by chemicals by interaction with metals
- P10ES-00159-09 0016 Center for study of the human environment - Human body burden of metals
- P10ES-00159-09 0017 Center for study of the human environment - Action of heavy metals on the kidney (rabbits)
- ** P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
- ** P10ES-00159-09 0021 Center for study of the human environment - Toxic metals and specific brain structures (rabbits)
- P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
- ** P10ES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals
- P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
- ** P10ES-00210-07 0011 Center for environmental management - Heavy metal toxicity
- ** P10ES-00210-07 0013 Center for environmental management - Heavy metals in the environment (rats, sheep)
- P10ES-00210-07 0014 Center for environmental management - Heavy metals and intestinal lactose enzymes (hogs, rats, human)
- P10ES-00210-07 0030 Center for environmental management - Histopathology of lungs of rats
- ** P10ES-00226-08 0002 Comparative environmental toxicology - Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit)
- ** P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)
- P10ES-00260-12 0016 Research in the environmental health sciences - Airborne and settled dust and human tissue burden in New York City
- M P10ES-00267-07 Center for environmental toxicology
- ** P01ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
- M P01ES-00481-03 Subcellular pathology of heavy metals
- ** P01ES-00481-03 0006 Subcellular pathology of heavy metals - Effects of bismuth, cadmium and arsenic (rabbits, rats)
- ** P01ES-00481-03 0007 Subcellular pathology of heavy metals - Lead and cadmium toxicity in humans
- ** P01ES-00481-03 0012 Subcellular pathology of heavy metals - Effects of cadmium on testis (mice)
- ** RO1ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
- ** RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)
- ** RO1ES-00709-03 Chronic and multi-generation of cadmium (rats, monkeys)
- ** RO1ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)

(contd)

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 **Oriented significantly to above subject.
 N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01ES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
R01ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
** R01ES-00803-03 Cellular response to environmental stress (silene molds)
** R01ES-00836-02 Effects on the immune system of cadmium toxicity (mice, rabbits)
** R01ES-00852-01 Environmental trace metal intoxications of the kidney (rats)
R01ES-00888-01 Influence of trace metals on experimental infections (mice, human)
** R01ES-00805-01 Structural studies in treatment of metal poisoning
** R01ES-00921-02 Cadmium-induced prolongation of drug action (rats)
** P10ES-00928-01 0006 Environmental agents-Relation to human health effects - Exposure to titanium dioxide-Cancer risk in humans
** P10ES-00928-01 0020 Environmental agents-Relation to human health effects - Secular changes in lung burden of trace metals, 1912-72 (human)
** P10ES-00928-01 0022 Environmental agents-Relation to human health effects - Low-level trace metal and carcinogenic hazard in humans
** P10ES-00928-01 0039 Environmental agents-Relation to human health effects - Pulmonary disease associated with welding fumes (human)
** R01ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
** R01ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
** R01EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)
P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
P01GM-15003-13 0006 The biological functions of metals - Metallothionein (human, rats, rabbits, monkeys, dogs)
P11GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
P11GM-15190-08 0015 Center for toxicological research and training - Drugs affecting autonomic nervous system (rats, human)
** P11GM-15956-07 0051 Factors affecting the responses to drugs - Biliary excretion of lead, (rats, rabbits, dogs) copper and arsenic
R01GM-20194-03 Vanadyl ion EPR-Heavy metal binding in proteins
R01GM-20431-01 Determination of trace metals in biological samples
N01HB-32908-02 Toxicology of plastic devices having contact with blood (human, animals)
R01HL-14361-03 Cadmium, renin-angiotensin and hypertension
R01HL-14721-02 Role of trace metals in cardiomyopathies (human, rats)
** P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
R23HL-17205-01 Lung metalloenzymes-Regulation by metals and gases (rats)
R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
** R01OH-00309-16 Factors affecting the excretion of industrial poisons (human)
R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
R01OH-00337-04 Mechanisms of cadmium toxicity (rats)
** R01OH-00347-05 Biological interactions of environmental metals (dogs)
** M01RR-00322-08 General clinical research center
** P07RR-00636-02 0016 Special resource for NMR studies in biomolecules - Factors involved in heavy metal poisoning (horse)

METALS POISONING, ARGYRIA

- R01AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
P01AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
P13DE-02623-08 0011 Center for oral health research - Detecting subclinical lead poisoning using primary teeth
R01GM-15289-07 Electron microscopy of cells having cycles (human, primates, mammals)
** M01RR-00049-13 0031 General clinical research center - Electron microscopy of argyria (human)

METALS POISONING, BERYLLIOSIS

- ** R01ES-00353-07 Pathogenesis of pulmonary berylliosis (guinea pigs)
R01ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
** R01HL-15211-02 Immunologic aspects of beryllium lung disease (human, rats, guinea pigs)
R01OH-00360-04 Immune injury in occupational respiratory diseases (rabbits, mice)

METALS POISONING, LEAD POISONING

- R01AM-09274-09 The mechanism of red cell aging (human, rats)
** P01AM-14877-14 0020 Kidney function in infants and children - Clinical and experimental investigation of lead poisoning and the kidney (human)
R01AM-15443-03 Regulation of erythroid maturation (human, rabbits, guinea pigs, mice)
R01AM-16266-03 Autoradiographic studies of concentrative transport (rats)
R01AM-17348-01 Properties of hemoglobin (human, rats)
P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
** P13DE-02623-08 0011 Center for oral health research - Detecting subclinical lead poisoning using primary teeth
P01ES-00040-10 0001 Environmental toxicology of pesticides - Pesticide-stressor interactions with microsomal enzymes (rats)
P01ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
P10ES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
P10ES-00159-09 0016 Center for study of the human environment - Human body burden of metals
** P10ES-00159-09 0018 Center for study of the human environment - Effects of lead and mercury on spinal reflex transmission (cats)
** P10ES-00159-09 0019 Center for study of the human environment - Chronic lead ingestion and learning in rats
** P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
P10ES-00159-09 0021 Center for study of the human environment - Toxic metals and specific brain structures (rabbits)
P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
P10ES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals
P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
** P01ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
** P01ES-00226-08 0002 Comparative environmental toxicology - Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit)
** P01ES-00226-08 0003 Comparative environmental toxicology - Interaction of polychlorinated biphenyls (rodents, dogs, swine, monkeys)
** P01ES-00226-08 0004 Comparative environmental toxicology - Interaction of carnegoson with other agents (rodents, rabbits, dogs, primates)
** P01ES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)
P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)
P10ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)
** P10ES-00260-12 0020 Research in the environmental health sciences - Lead poisoning (baboons)
** P10ES-00260-12 0021 Research in the environmental health sciences - Longitudinal study of lead poisoning in children
P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
** R01ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)
** P01ES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)
P01ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
** P01ES-00481-03 0001 Subcellular pathology of heavy metals - Intranuclear inclusion body (rats, goats)
** P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
** P01ES-00481-03 0003 Subcellular pathology of heavy metals - Lead effects on testis (dogs)
** P01ES-00481-03 0004 Subcellular pathology of heavy metals - Low dietary calcium and iron and susceptibility to lead poisoning (rats)
** P01ES-00481-03 0005 Subcellular pathology of heavy metals - Effect of lead on renal mitochondria (rats)
** P01ES-00481-03 0007 Subcellular pathology of heavy metals - Lead and cadmium toxicity in humans
** P01ES-00481-03 0008 Subcellular pathology of heavy metals - Effects of chelators on metal metabolism
** P01ES-00481-03 0010 Subcellular pathology of heavy metals - Morphometric study of lead intoxicated rat kidneys
** P01ES-00481-03 0011 Subcellular pathology of heavy metals - Partitioning of lead in the egg (chickens)
R01ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
** R01ES-00664-03 Biochemistry of lead toxicity and its reversal (rats, dogs)
** R01ES-00690-01 Lead poisoning and kidney function (rats, children)
R01ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
** R01ES-00723-03 Physiopathologic effects of lead (swine, mice, hamsters, microorganisms)
** R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
** R01ES-00831-01 Rapid screening for lead poisoning (human)
** R01ES-00843-03 Diagnosis and therapy of chronic childhood plumbism
** R01ES-00883-01 Effect of lead in the developing neonatal brain (rats)
R01ES-00888-01 Influence of trace metals on experimental infections (mice, human)
** R01ES-00900-02 Effect of toxic metals on specific brain structures (rabbits)
** R01ES-00902-02 Diagnosis and therapy of chronic childhood plumbism
** R01ES-00939-01 Blood lead in children-Effect of anemia, hemoglobin S, G-6-PD
** R01ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
** R01ES-00973-01 Inhibition of photosynthesis by environmental trace metals (plants)
** R01ES-00976-01 Screening of urban children for lead poisoning
R01ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
R01ES-01047-01 Effects of lead on prokaryotic and eucaryotic cells (bacteria, rabbits)
** R01ES-01055-01 Lead and PCBs-Pharmacologic and toxicologic studies (human, mammals, birds)
R01ES-01077-09 Synthesis and localization of biogenic amines in brain (rats)
R01EY-00013-08 Experimental optic neuropathies (rats)
** R01FD-00692-04 Renal pathology in lead poisoning (rats)
R01GM-04922-18 Heme and chlorophyll biosynthesis (chick embryo, mice, barley)
P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
** P01GM-15003-13 0023 The biological functions of metals - Biochemical effects of lead (human)
** P11GM-15190-08 0014 Center for toxicological research and training - Biochemical aspects of lead poisoning (rats, mice, chicks)
P11GM-15956-07 0051 Factors affecting the responses to drugs - Biliary excretion of lead, (rats, rabbits, dogs) copper and arsenic
R01GM-20276-01 Applications of magnetic circular dichroism
P01GM-20832-01 0004 Genetic research project - Genetic polymorphism and variants of binding proteins in blood (human)
P01HD-03110-07 0028 Child development and mental retardation - Pediatric neurology
** P01HD-04665-04 0001 Metabolic abnormalities in mental retardation - Interrelationships of iron, porphyrin and energy metabolism (mice, human)
** P01HD-06276-03 0089 Mental retardation research program - Subclinical lead exposure (children)
P01HD-06321-02 0007 Genetic aspects of human fetal development - Antenatal detection of disorders of porphyrin metabolism (human)
R01HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
R01HL-14721-02 Role of trace metals in cardiomyopathies (human, rats)
** R03MH-25352-01 Brain dysfunction, hyperactivity and lead exposure (rats)
R01NS-05591-10 Electron microscopy of cerebral tissue (rats, monkeys, gerbils)
M P01NS-06833-08 Interdisciplinary stroke program
P01NS-06833-08 0002 Interdisciplinary stroke program - Red blood cell elasticity (human)
** R01NS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
P01NS-11647-01 0005 Peripheral and central auditory mechanisms - Pharmacological and surgical intervention in the cochlea (cats, guinea pigs)
** M01RR-00052-13 0001 General clinical research center for children - Subclinical toxic effects of childhood plumbism
** M01RR-00056-13 0040 General Clinical Research Center - Delta amine levulinic acid excretion (human)
** M01RR-00069-12 0095 General clinical research center, children - Treatment of heavy metal poisoning

(contd)

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- ** MO1RR-00096-14 0066 Clinical research center - Diagnosis of lead poisoning (human)
 ** MO1RR-00102-11 0012 General clinical research center - Lead poisoning (human)
 ** MO1RR-00318-08 0072 General clinical research center - Lead as contributing agent to hyperactive children
 P07RR-00636-02 0016 Special resource for NMR studies in biomolecules - Factors involved in heavy metal poisoning (horse)

METALS POISONING, MANGANESE POISONING

- ** RO1AM-17374-02 Manganese-induced model of hepatic disease (rats)
 P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
 RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)
 ** RO1NS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
 ** PO1RS-11131-01 0007 Extrapyramidal and related behavioral disorders - Changes in manganese levels in mice
 PO1NS-11131-01 0009 Extrapyramidal and related behavioral disorders - Manganese metabolism between last week of pregnancy and 6 weeks of life (mice)
 PO1RS-11631-01 0002 Clinical center for research on Parkinson's and allied diseases - Experimental neuropathology studies (human, animals)
 ** MO1RR-00080-12 0073 General clinical research center - Growth hormone secretion in chronic manganese intoxication (human)
 ** MO1RR-00322-08 0025 General clinical research center - Circadian rhythm in neurologic disorders (human)

METALS POISONING, MERCURY POISONING

- RO1AM-12064-08 Regeneration and basic responses of the nephron (rabbits)
 RO1AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
 ** P10ES-00002-12 0011 Occupational and environmental health - Metal-toxicity interactions (rabbits)
 P01ES-00040-10 0001 Environmental toxicology of pesticides - Pesticide-stressor interactions with microsomal enzymes (rats)
 P01ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amino acid metabolism (rats, fish)
 P01ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 P10ES-00159-09 0013 Center for study of the human environment - Role of metals in teratogenic activity of environmental chemicals (animals)
 P10ES-00159-09 0016 Center for study of the human environment - Human body burden of metals
 ** P10ES-00159-09 0018 Center for study of the human environment - Effects of lead and mercury on spinal reflex transmission (cats)
 P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
 P10ES-00159-09 0021 Center for study of the human environment - Toxic metals and specific brain structures (rabbits)
 P10ES-00159-09 0028 Center for study of the human environment - Analytical methodology for trace metals
 P10ES-00210-07 0011 Center for environmental management - Heavy metal toxicity
 ** P10ES-00210-07 0012 Center for environmental management - Mercury in the environment (rats)
 ** P01ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
 ** P01ES-00226-08 0004 Comparative environmental toxicology - Interaction of carcinogens with other agents (rodents, rabbits, dogs, primates)
 ** P10ES-00267-07 0007 Center for environmental toxicology - Chelating agents for heavy metals (mice)
 P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
 ** P01ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
 P01ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
 ** P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
 ** P01ES-00481-03 0009 Subcellular pathology of heavy metals - Methyl mercury intoxication (rats)
 ** RO1ES-00677-03 Methyl mercury teratogenesis (mice, monkeys)
 RO1ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
 RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)
 ** RO1ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
 RO1ES-00782-03 Pesticide-induced change during the perinatal period (mice, rats)

- ** RO1ES-00833-02 Biochemical studies on CNS teratogenesis by mercury (rats)
 ** RO1ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)
 ** RO1ES-00900-02 Effect of toxic metals on specific brain structures (rabbits)
 ** RO1ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
 RO1ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
 RO1ES-01017-01 Nutritional significance of selenium-2 selenoproteins (rats)
 M PO1ES-01059-01 Metallic mercury vapor as an environmental hazard
 ** PO1ES-01059-01 0003 Metallic mercury vapor as an environmental hazard - Biological effects of mercury vapor (human, mice)
 ** PO1EY-01319-01 0003 Visual science research center support - Evoked potential studies in the monkey
 ** PO1GM-10402-12 0029 Zoophysiology in Alaska - Mercury contamination of marine animals used for food
 P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
 PO1GM-12847-10 0022 Molecular biology of membrane systems - Transprotonase and energized release of protons
 ** P11GM-15190-08 0011 Center for toxicological research and training - Metabolism of methylmercury compounds in man
 P11GM-15190-08 0012 Center for toxicological research and training - Methylmercury and protein synthesis in man
 P11GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
 RO1GM-20424-01 Macrocyclic ligand kinetics-polythiaether complexes (in vitro, in vivo)
 ** PO1HD-06576-01 0002 Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
 RO1MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
 ** PO1NS-03360-14 0055 Neurological clinical research center-Epilepsy - Mercury toxicity and EEG (cats)
 ** RO1NS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
 RO1NS-11905-01 Brain DPN-specific isocitric dehydrogenase (swine)
 RO1OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
 P07RR-00636-02 0016 Special resource for NMR studies in biomolecules - Factors involved in heavy metal poisoning (horse)
 ** MO1RR-00865-01 0022 General clinical research center - Trial of N-acetyl-D, L-penicillamine in mercury poisoning (human)

METALS POISONING, SELENIUM POISONING

- ** P01ES-00226-08 0002 Comparative environmental toxicology - Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit)
 RO1ES-00254-12 Selenium metabolism (bacteria, plants, rats, mice)
 ** RO1ES-00807-01 Selenium toxicity-Role of methionyl-tRNA synthetases (plants)
 RO1ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
 RO1FD-00472-02 Organic metabolites of selenium (rats, chickens, swine, cattle)

METAMORPHOSING HORMONE

SEE ENDOCRINOLOGY INVERTEBRATE, ECDYSONE

METAMORPHOSIS

SEE GROWTH, METAMORPHOSIS

METANEPHRINE

SEE PHENYLALKYLAMINES, CATECHOLAMINES, METANEPHRINE

METAPSYCHICS

SEE PSYCHOLOGY, PARAPSYCHOLOGY

METAPHYSIS

SEE SKELETAL SYSTEM, BONE, METAPHYSIS

METAPLASIA

SEE GROWTH ABNORMAL, METAPLASIA

METARAMINOL

SEE PHENOLIC AMINES, METARAMINOL

METASTASIS

SEE NEOPLASMS METASTASIS

METEOROLOGY

SEE ENVIRONMENT, ATMOSPHERE (WEATHER)

METHACHOLINE

SEE CHOLINE, METHACHOLINE

METHACRYLATES

SEE PLASTICS, ACRYLIC POLYMERS, METHACRYLATES

METHADOL

SEE PHENYLALKYLAMINES, METHADOL

METHADONE

SEE PHENYLALKYLAMINES, METHADONE

METHADYL ACETATE

SEE PHENYLALKYLAMINES, METHADYL ACETATE

METHAMPHETAMINE

SEE PHENYLALKYLAMINES, DEOXYEPHEDRINE

METHANE

SEE ALKANES, METHANE

METHANE BACTERIA

SEE BACTERIA, METHANE BACTERIA*

METHANE SULFONATES

SEE SULFONATES, METHANE SULFONATES (GENERAL)

METHANE TRICHLORIDE

SEE HALOALKANES, CHLOROFORM

1,9A-METHANOMINOETHANO**DIENZOPIRANS**

SEE ALKALOIDS, GALANTHAMINE TYPE

METHANOL

SEE ALCOHOLS, METHANOL

METHANOL POISONING

SEE ALCOHOLISM - DRINKING, METHANOL POISONING

1,5-METHANOPYRIDO(1,2-A)(1,5) DIAZOCINE**ALKALOIDS**

SEE ALKALOIDS, 1,5-METHANOPYRIDO(1,2-A)(1,5) DIAZOCINE

METHEMOGLOBIN

SEE HEMOPROTEINS, HEMOGLOBIN, METHEMOGLOBIN

METHEMOGLOBINEMIA

SEE HEMOPROTEINS, METHEMOGLOBINEMIA

METHENAMINE

SEE CYCLICS, CAGE MOLECULES, METHENAMINE

METHICILLIN

SEE ANTIBIOTICS, 2,6-DIMETHOXYPHENYL PENICILLIN

METHIMAZOLE

SEE IMIDAZOLES, METHIMAZOLE

METHIONINE

SEE SULFUR AMINO ACIDS, METHIONINE

METHIONINE ACTIVATING ENZYME**(TRANSALKYLATING)**

SEE TRANSALKYLASES, METHIONINE ADENOSYLTRANSFERASE

METHIONINE ADENOSYLTRANSFERASE

SEE TRANSALKYLASES, METHIONINE ADENOSYLTRANSFERASE

METHIONINE SULFOXIMINE

SEE SULFUR AMINO ACIDS, METHIONINE SULFOXIMINE

METHIONINEMIA IN TYROSINEMIA

SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, TYROSINEMIA

METHMYCIN

SEE ANTIBIOTICS, METHMYCIN

METHODOLOGY, ANALYTICAL CHEMISTRY

SEE CHEMISTRY, ANALYTICAL METHODS*

METHOHEXITAL

SEE PYRIMIDINES, BARBITURATES, METHOHEXITAL

METHOPYRAPONE

SEE PYRIDINES, METHOPYRAPONE

METHOTREXATE

SEE FOLIC ACID ANTAGONISTS, METHOTREXATE

METHOTREXATE ANALOGS

SEE FOLIC ACID ANTAGONISTS, METHOTREXATE ANALOGS

METHOTRIMEPRAZINE

SEE PHENOTHIAZINES, METHOTRIMEPRAZINE

METHOXAMINE

SEE PHENYLALKYLAMINES, METHOXAMINE

METHOXYCHLOR

SEE PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, METHOXYCHLOR

METHOXY-DDT

SEE PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, METHOXYCHLOR

METHOXYFLURANE

SEE HALOETHERS, METHOXYFLURANE

3-METHOXY-4-HYDROXYMANDELIC ACID

SEE PHENYLACETIC ACIDS, 3-METHOXY-4-HYDROXYMANDELIC ACID

3-METHOXY-4-HYDROXYPHENYLETHYLENGLYCOL

SEE PHENYLALKANOLS, MHPG

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- 5-METHOXYTRYPTAMINE**
SEE BENZOPYRROLES, TRYPTAMINE, 5-METHOXY-
- METHSUXIMIDE**
SEE PYRROLIDINEDIONES, METHSUXIMIDE
- METHYLAMINE**
SEE AMINES, METHYLAMINE
- N-METHYLAMINO ACIDS**
SEE AMINO ACIDS, N-ALKYLAMINO ACIDS, N-METHYLAMINO ACIDS
- METHYLANDROSTENEDIOL**
SEE ANDROSTANE SERIES, METHYLANDROSTENEDIOL
- METHYLANILINE**
SEE PHENYLAMINES, METHYLANILINE
- BETA-METHYLASPARTASE**
SEE AMMONIA-LYASES, BETA-METHYLASPARTASE
- METHYLATED DNA**
SEE NUCLEIC ACIDS, METHYLATED DNA
- METHYLATED NUCLEIC ACIDS**
SEE NUCLEIC ACIDS, METHYLATED (GENERAL)
- METHYLATED RNA**
SEE NUCLEIC ACIDS, METHYLATED RNA
- METHYLATION**
SEE ALKYL (GROUPS), METHYLATION
- METHYLAZOXYMETHANOL**
SEE AZO COMPOUNDS, CYCASIN
- 3-METHYLBUTYL NITRATE**
SEE AMYL NITRITE
- METHYLCELLULOSE**
SEE HEXOSANS, GLUCANS, METHYLCELLULOSE
- METHYLCHOLANTHRENE**
SEE CYCLICS, CARBOPOLYCYCLICS, METHYLCHOLANTHRENE
- BETA-METHYLCROTONYL COENZYME A CARBOXYLASE**
SEE CARBON-CARBON LIGASES, BETA-METHYLCROTONYL COENZYME A CARBOXYLASE
- S-METHYLCYSTEINE**
SEE SULFUR AMINO ACIDS, CYSTEINE, S-METHYLCYSTEINE
- 5-METHYL CYTOSINE**
SEE PYRIMIDINES, CYTOSINE, 5-METHYL CYTOSINE
- ALPHA-METHYL DOPA**
SEE CYCLIC AMINO ACIDS, DOPA, ALPHA-METHYL DOPA
- ALPHA-METHYL DOPA HYDRAZINE**
SEE CYCLIC AMINO ACIDS, DOPA, ALPHA-METHYL DOPA HYDRAZINE
- L-ALPHA-METHYL DOPA HYDRAZINE**
SEE CYCLIC AMINO ACIDS, DOPA, L-ALPHA-METHYL DOPA HYDRAZINE
- O-METHYL DOPA**
SEE CYCLIC AMINO ACIDS, DOPA
- ALPHA-METHYL DOPAMINE**
SEE PHENYLALKYLAMINES, CATECHOLAMINES, DOPAMINE ALPHA-METHYL-
- METHYLENE CHLORIDE**
SEE HALOALKANES, METHYLENE CHLORIDE
- 1,2-METHYLENEDIOXYBENZENES**
SEE 1,3-BENZODIOXOLES
- 1,2-METHYLENEDIOXYPHENYL COMPOUNDS**
SEE 1,3-BENZODIOXOLES
- 5,10-METHYLENETETRAHYDROFOLATE:GLYCINE HYDROXYMETHYLTRANSFERASE**
SEE HYDROXYMETHYLTRANSFERASES, SERINE HYDROXYMETHYLTRANSFERASE
- 5-METHYLENETETRAHYDROFOLATE:NAD OXIDOREDUCTASE**
SEE OXIDOREDUCTASES, 5,10-METHYLENETETRAHYDROFOLATE REDUCTASE
- METHYLENETETRAHYDROFOLATE REDUCTASE**
SEE OXIDOREDUCTASES, 5,10-METHYLENETETRAHYDROFOLATE REDUCTASE
- 5,10-METHYLENETETRAHYDROFOLIC ACID**
SEE FOLIC ACID, 5,10-METHYLENETETRAHYDROFOLIC ACID
- N(5)-METHYLFOLIC ACID**
SEE FOLIC ACID, N(5)-METHYLFOLIC ACID
- METHYLGLUCAMINE DIATRIZOATE**
SEE RADIOGRAPHY, CONTRAST MEDIA, TRIMDOBENZOATE*
- O-METHYL GLUCOSE**
SEE HEXOSES, GLUCOSE, O-METHYL GLUCOSE
- METHYLGLYOXAL BIS-(GUANYLHYDRAZONE)**
SEE (GUANYLHYDRAZONES), METHYLGLYOXAL BIS-
- METHYL GROUPS**
SEE ALKYL (GROUPS), METHYL GROUPS
- METHYLGUANIDINE**
SEE GUANIDINES, METHYLGUANIDINE
- METHYLHISTIDINE**
SEE CYCLIC AMINO ACIDS, HISTIDINE, METHYLHISTIDINE
- METHYLHYDRAZINES**
SEE AZO COMPOUNDS, HYDRAZINES, METHYLHYDRAZINES
- METHYLMALONATE**
SEE DICARBOXYLIC ACIDS, MALONIC ACIDS, METHYLMALONATE
- METHYLMALONIC ACIDURIA**
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, METHYLMALONIC ACIDURIA
- 2-METHYLMALONYL-COA-COA-CARBONYLMUTASE**
SEE ISOMERASES, METHYLMALONYL COA ISOMERASE
- METHYLMALONYL COA ISOMERASE**
SEE ISOMERASES, METHYLMALONYL COA ISOMERASE
- METHYLMALONYL COA MUTASE**
SEE ISOMERASES, METHYLMALONYL COA ISOMERASE
- METHYLMALONYL-COA MUTASE DEFICIENCY**
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, METHYLMALONIC ACIDURIA
- METHYLMALONYL-COA:PYRUVATE TRANS-CARBOXYLASE**
SEE TRANS-CARBOXYLASES, METHYLMALONYL-COA:PYRUVATE TRANS-CARBOXYLASE
- METHYLMALONYL-COA SYNTHETASE**
SEE CARBON-CARBON LIGASES, PROPIONYL COA CARBOXYLASE (ATP-HYDROLYZING)
- METHYLMALONYL-COA SYNTHETASE DEFICIENCY**
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA KETOTIC (GENERAL)
- METHYLMALONYL OXALACETIC TRANS-CARBOXYLASE**
SEE TRANS-CARBOXYLASES, METHYLMALONYL-COA:PYRUVATE TRANS-CARBOXYLASE
- 10-METHYLOCTADECANOIC ACID**
SEE FATTY ACIDS, 10-METHYL OCTADECANOIC ACID
- METHYL PALMITATE**
SEE FATTY ACIDS, METHYL PALMITATE
- METHYLPHENIDATE**
SEE PIPERIDINE CARBOXYLIC ACIDS, METHYLPHENIDATE
- METHYLPREDNISOLONE**
SEE ADRENAL CORTEX HORMONES ANALOGS, METHYLPREDNISOLONE
- METHYLPURINES**
SEE PURINES, METHYLPURINES
- METHYLSUCCINATE**
SEE DICARBOXYLIC ACIDS, SUCCINIC ACID, METHYLSUCCINATE
- METHYLSULFOXIDE**
SEE SULFOXIDES, DIMETHYL SULFOXIDE
- METHYLTESTOSTERONE**
SEE ANDROSTANE SERIES, METHYLTESTOSTERONE
- METHYL TRANSFER**
SEE ALKYL TRANSFER, TRANSMETHYLATION
- N-METHYL TRANSFERASES**
SEE TRANSMETHYLASES, N-METHYL TRANSFERASES
- O-METHYL TRANSFERASE**
SEE TRANSMETHYLASES, O-METHYL TRANSFERASE
- ALPHA-METHYL TYROSINE**
SEE CYCLIC AMINO ACIDS, TYROSINE, ALPHA-METHYL-P-TYROSINE
- ALPHA-METHYL-P-TYROSINE**
SEE CYCLIC AMINO ACIDS, TYROSINE, ALPHA-METHYL-P-TYROSINE
- METHYLUREA**
SEE AMIDES, UREA, METHYLUREA
- METHYL VINYL ETHER**
SEE ETHERS, VINYL ETHERS
- METHYSERGIDE**
SEE ALKALOIDS, ERGOT, METHYSERGIDE
- METOLAZONE**
SEE BENZODIAZINES, QUINAZOLINES, METOLAZONE
- METOPYRONE**
SEE PYRIDINES, METYRAPONE
- METRAZOL**
SEE NITROARYLS, AZOLES, PENTYLENETETRAZOLE
- METRONIDAZOLE**
SEE IMIDAZOLES, METRONIDAZOLE
- METROPOLITAN MENTAL HEALTH PROBLEMS REVIEW COMMITTEE**
- ** R01MH-16621-05 Social mobility in Philadelphia
 - R01MH-16852-06 Evaluation of project catch-up (human)
 - ** R01MH-18051-04 Aging and the use of community resources (human)
 - ** R01MH-18060-05 The permanent community sample (human)
 - ** R01MH-19029-03 Nonverbal interethnic encounters in urban settings
 - ** R01MH-19069-04 Social class differences in community behavior (human)
 - R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
 - R01MH-19930-03 Information, values, and urban policy formation
 - ** R01MH-22763-01 The incessant community
 - R01MH-22929-02 Suburban reactors and the politics of suburban housing
 - R01MH-23011-01 Development of metropolitan growth theory
 - ** R01MH-23615-02 Earned family income and urban crisis
 - ** R01MH-23664-02 Teenage youth in new town setting
 - ** R01MH-23786-01 Changing urban family roles
 - R01MH-23814-02 Tenant organizations-Mobilization and consequences
 - ** R01MH-23900-02 Stress, ownership and pathology in urban dirty work
 - ** R01MH-24047-01 Effect of metropolitan open space on community life
 - ** R01MH-24587-01 Ethnicity and social class in rural communities
 - ** R01MH-24862-01 The economy in urban working class communities
 - ** R01MH-24909-01 Trade-off preferences in residential environments
 - R03MH-24968-01 Ecological impact study on new town residents
 - R01MH-24982-02 Neighborhood helping networks in urban community
 - ** R01MH-25096-01 Residential mobility and neighborhood change
 - ** R01MH-25244-01 Ethnicity and community in an urban metropolis
 - ** R01MH-25292-01 Municipal employee unions-Impact on service delivery
 - ** R01MH-25323-01 How policymakers and urban public see social security
 - ** R01MH-25484-01 Causal models of small southern city change-1960-70
 - ** R01MH-25525-01 Investment of self in an urban group
 - ** R01MH-25617-01 Alternative inner city policy
 - ** R01MH-25860-01 Social predictors of American mobility 1875-1915
 - ** R01MH-25996-01 Unseen community-Marginal urban population
 - ** R01MH-26105-01 Irregular economy-Urban adaptation to unemployment
 - ** R01MH-26154-01 Economic change and social pathologies in urban area
 - ** R01MH-26184-01 Racial and socio-economic pluralism in a new town
- METUREDEPA**
SEE AZIRIDINE PHOSPHINES, METUREDEPA
- METYRAPONE**
SEE PYRIDINES, METYRAPONE
- MEVALONATE:NADP OXIDOREDUCTASE**
SEE OXIDOREDUCTASES, HMG-COENZYME A REDUCTASE
- MEVALONIC ACID**
SEE FATTY ACIDS, MEVALONIC ACID
- MEXICAN-AMERICANS**
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, MEXICAN-AMERICANS
- MEXICAN INDIANS**
SEE SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS, MEXICAN
- MEXICANS**
SEE SOCIAL GROUPS, ETHNIC, N. AMERICANS, MEXICANS
- MEXICO**
SEE GEOGRAPHICAL SITES, N. AMERICA, MEXICO
- MHPG**
SEE PHENYLALKANOLS, MHPG

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

MICE

SEE MAMMALS, MICE*

MICELLE FORMATION (CHEMISTRY)

SEE CHEMICAL AGGREGATES, MICELLE FORMATION

MICROBEAM RADIATION

SEE RADIATION, HIGH ENERGY BEAMS

MICROBIAL ANTIGENS AND TOXINS

SEE IMMUNOLOGY, ANTIGENS MICROBIAL

MICROBIAL ANTITOXINS

SEE IMMUNOLOGY, ANTITOXINS

MICROBIAL CHEMISTRY STUDY SECTION

- ** R01AI-00563-27 Intermediary metabolism of bacteria
 ** R01AI-00685-19 Study of bacterial flagella
 ** R01AI-00848-19 Biological fixation of nitrogen by microorganisms
 ** R01AI-01071-18 *Corynebacterium diphtheriae* and its viruses
 ** R01AI-01659-17 Amino polysaccharide biosynthesis (bacteria, rabbits)
 ** R01AI-01808-17 Taxonomy and phylogeny of pseudomonads
 ** R01AI-01863-17 Cell differentiation in prokaryotic organisms (bacteria)
 ** R01AI-02011-17 Biosynthesis and excretion of bacterial enzymes
 ** R01AI-02353-16 Deoxyribonucleic acids and nucleases of bacteria (human)
 ** R01AI-03046-15 Electron transport in microorganisms (bacteria, Protozoa)
 ** R01AI-03093-15 Staphylococcal and staphylophage genetics
 ** R01AI-03568-13 Transport and metabolism of inorganic electrolytes (bacteria)
 ** R01AI-04156-13 Microbial iron metabolism (fungi, mammals, bacteria)
 ** R01AI-04181-13 An inducible bacterial enzyme (E coli)
 ** R01AI-04410-13 Lipids of mycoplasmas
 ** R01AI-04572-13 Cell permeability and invertase biosynthesis
 ** R01AI-04577-13 Transformation in *Haemophilus influenzae* (E coli, bacteriophage)
 ** R01AI-04615-13 Biosynthesis of bacterial cell wall components
 ** R01AI-04672-11 Sulfate reducing bacteria
 ** R01AI-04788-12 Lipids of algae and microorganisms
 ** R01AI-04865-12 Inorganic nitrogen metabolism (bacteria)
 ** R01AI-04930-12 Biochemistry of infections—Cell wall degradation
 ** R01AI-05044-11 Biosynthesis of bacterial cell walls and membranes
 ** R01AI-05090-13 Chemistry and biosynthesis of microbial cell walls
 ** R01AI-05103-11 Physiological studies of bacterial growth (and viruses, fungi)
 ** R01AI-05173-10 Genetic control of capsule production in *Pneumococcus*
 ** R01AI-05526-12 Physiology of bacteria at low temperature
 ** R01AI-05540-10 Biochemistry of morphogenesis in mucor
 ** R01AI-05730-10 Bacterial lipid metabolism
 ** R01AI-06313-10 Antimicrobial agents and the cell surface (bacteria)
 ** R01AI-06457-09 Macromolecular synthesis in prokaryotes
 ** R01AI-06497-10 A possible cellular role for penicillinase (bacteria)
 ** R01AI-06647-08 Genetics of biosynthesis in *Staphylococcus aureus* (bacteriophage)
 ** R01AI-06692-10 Chemistry of bacterial cell walls
 ** R01AI-06712-10 Staphylococcal metabolism (fungi)
 ** R01AI-06848-09 Evolution of enzymatic activities (bacteria)
 ** R01AI-06888-09 Lipoamino acid and glycolipid metabolism in bacteria
 ** R01AI-06966-09 Capsule synthesis, division and radiation sensitivity (bacteria)
 ** R01AI-07211-06 Biosynthesis of cell-walls in gram positive organisms
 ** R01AI-07560-07 Polysaccharide metabolism in fungi
 ** R01AI-07877-08 Molecular mechanism of pathogenicity of diphtheria
 ** R01AI-08057-06 Macromolecular aspects of spore germination (fungi)
 ** R01AI-08062-06 Biochemistry of membrane mutants of E coli
 ** R01AI-08230-07 Enzymology of normal and virus infected bacteria
 ** R01AI-08286-06 Regulation of bacterial cell division
 ** R01AI-08295-06 Enzymology of bacterial cell membranes
 ** R01AI-08325-06 Basis of the antibiotic action of the mitomycins
 ** R01AI-08619-07 Genetic control of non-chromosomal drug resistance (bacteria)
 ** R01AI-08737-06 Chemical and biological nature of bacteriocins (rabbits)
 ** R01AI-09055-06 Bacteriocin effects on cells and membranes
 ** R01AI-09093-06 Control of bacterial membrane synthesis

- ** R01AI-09100-05 Mammalian cell response to diphtheria toxin (human, mice, chicken)
 ** R01AI-09152-06 Biochemistry of mechanisms of action of antibiotics (bacteria)
 ** R01AI-09158-05 Studies on macrolide antibiotics
 ** R01AI-09297-06 Enzyme repression in bacteria
 ** R01AI-09352-05 Chemistry and biosynthesis of cell-surface polymers (bacteria)
 ** R01AI-09402-05 Biosynthesis and metabolism of complex carbohydrates
 ** R01AI-09416-05 Modes of action of bactericidal cationic proteins (guinea pigs, rabbits)
 ** R01AI-09423-05 Teichoic acids—Function and mode of replication (bacteria)
 ** R01AI-09477-06 Biochemistry of plant resistance to pseudomonads
 ** R01AI-09644-05 Biochemistry of bacterial cell membranes
 ** R01AI-09829-05 Unsaturated fatty acid biosynthesis in bacilli
 ** R01AI-09844-04 Molecular organization of bacterial membranes
 ** R01AI-09861-08 Cell membrane synthesis in the control of growth (bacteria)
 ** R01AI-09898-04 Penicillins—Chemistry and mode of action (bacteria)
 ** R01AI-10076-07 Mechanisms of antibiotic resistance in microorganisms (fungi, bacteria, viruses)
 ** R01AI-10106-04 Mode of action of l-colicins on *Escherichia coli*
 ** R01AI-10141-04 Physiologic-genetic regulation of cell wall biosynthesis (bacteria, bacteriophage)
 ** R01AI-10142-04 Factors that control RNA transcription (bacteria, bacteriophage)
 ** R01AI-10186-04 Regulation of lipid metabolism—genetic approaches (bacteria, viruses)
 ** R01AI-10311-04 Bacterial transformation and the cell membrane
 ** R01AI-10318-04 Structure and replication and bacterial plasmids
 ** R01AI-10331-03 Sporulation plasmid in *Bacillus pumilus*
 ** R01AI-10333-04 Genetics and biochemistry of intracellular proteolysis
 ** R01AI-10414-01 Zones of multiple functions of the cellular surface
 ** R01AI-10468-03 Infectious drug resistance plasmids
 ** R01AI-10514-03 An endonuclease synthesized by bacteriophage
 ** R01AI-10517-01 Biosynthesis of carotenes in mycobacteria
 ** R01AI-10648-03 Replication and transfer of R factor DNA (E coli)
 ** R01AI-10719-03 New aminocyclitol antibiotics for human health
 ** R01AI-10768-03 The genetics of plasmid transfer and replication
 ** R01AI-10806-02 Control of bacterial cell-wall synthesis and breakdown
 ** R22A-10885-03 Nature of enterotoxin production by E coli and V comma (monkeys, rabbits)
 ** R01AI-10951-03 Biochemistry of ornithine fermentation
 ** R01AI-10971-03 Cell division and surface growth (bacteria)
 ** R01AI-10972-01 Integration of transforming DNA
 ** R01AI-11019-01 Metabolism of branched chain amino acids (human, bacteria)
 ** R01AI-11054-01 Genetic functions and continuity of RNA-DNA hybrids (bacteria)
 ** R01AI-11075-02 Control of bacterial plasmid replication
 ** R01AI-11121-02 Novel control mechanisms in endospore formation
 ** R01AI-11170-03 Lipid components of cell membranes of microorganisms (bacteria)
 ** R01AI-11297-02 Mechanism of action of ioniazid on tubercle bacillus
 ** R01AI-11298-01 Regulation of cell wall growth
 ** R01AI-11318-01 Early extracellular events in DNA infection (bacteria)
 ** R01AI-11351-02 Structure and function of the water-soluble pacifarins (mice, bacteria)
 ** R01AI-11456-02 Extrachromosomal elements in gram negative bacteria (mice)
 ** R22A-11478-02 Control of bacterial toxins by viruses and plasmids (mice, rabbits)
 ** R01AI-11479-02 Bacterial membranes
 ** R01AI-11506-01 PTS-mediated sugar transport in mycoplasmas
 ** R01AI-11516-01 Frameshift mutagenesis in *Salmonella typhimurium*
 ** R01AI-11517-02 Action of edeine on macromolecular synthesis
 ** R01AI-11518-01 Functional viral mRNA made without protein synthesis
 ** R01AI-11519-02 Bacterial and mammalian DNA replication
 ** R01AI-11564-02 Alpha toxin—Chemistry and action on membranes (bacteria, mammals)
 ** R01AI-11756-10 Functions of the lysine pathway
 ** R01AI-11902-01 Biosynthesis of polyketide fungal antibiotics
 ** R01AI-12033-01 Fatty acid metabolism in propionic acid bacteria

- ** R01AI-12062-01 Transport of basic amino acids in E coli
 ** R01AI-12141-01 Anti-bacterial action of beta-halo-amine acids (mice)
 ** R01AI-12195-01 Penicillin target membrane proteins
 ** R01AI-00884-19 Complex phospholipids of *Mycobacterium* species
 ** R01AI-02109-17 Purine and pteridine metabolism in microorganisms
 ** R01AI-03442-15 Biosynthesis of B vitamins (microorganisms)
 ** R01AI-08388-09 Cell wall lipopolysaccharide structure and synthesis (bacteria)
 ** R01AI-09134-09 Enzyme studies on vitamin B12 and its constituents (bacteria)
 ** R01AI-09226-10 Regulation of enzyme synthesis (bacteria)
 ** R01AI-10336-09 Peptide utilization (bacteria)
 ** R01AI-10646-06 Folate-B12 metabolism in normal and pathological cells (mice)
 ** R01AI-11148-08 Regulation of home and hemoprotein synthesis (bacteria, fungi)
 ** R01AI-11923-07 Regulation of galactose metabolism (E coli, rabbits)
 ** R01AI-12121-07 Active transport of amino acids (bacteria)
 ** R01AI-12653-06 Transport of vitamin B12 (microorganisms)
 ** R01AI-12828-06 Regulation of cysteine biosynthesis in *S typhimurium*
 ** R01AI-12913-06 Biochemistry of vitamin B12-factors (bacteria)
 ** R01AI-13443-06 Enzymes of methylamine metabolism (bacteria, rats)
 ** R01AI-13488-06 Regulation and mechanism of PRPP synthetase (bacteria)
 ** R01AI-13492-05 Regulatory mutants in lipid metabolism (algae, bacteria)
 ** R01AI-13791-05 L-arabinose transport component in E coli
 ** R01AI-14133-05 Regulation of the metabolism of S-adenosylmethionine (microorganisms)
 ** R01AI-14338-06 Lysine metabolism in fungi
 ** R01AI-14663-04 Inducible enzymes and sugar transport in *Arthrobacter*
 ** R01AI-15325-04 Catabolite repression of the galactose system (yeast)
 ** R01AI-15527-03 Lipid transport (E coli)
 ** R01AI-15684-03 Chemistry and metabolism of polysaccharides (human, mice, bacteria)
 ** R01AI-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
 ** R01AI-06926-12 Biosynthesis of actinomycin, an antitumor agent
 ** R01AI-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
 ** R01AI-11371-06 Biochemistry of cell division in bacteria
 ** R01AI-11853-03 Polycytidylyl transferase from tumor cells (mice)
 ** R01AI-11886-04 Iron—Transport and regulatory functions (bacteria)
 ** R01AI-12565-03 Genetic control of macromolecular synthesis
 ** R01AI-12717-03 The interaction of 4NQO and DNA (bacteria, *Bacillus subtilis*)
 ** R01AI-03118-04 Polysaccharides produced by cariogenic microorganisms
 ** R01AI-03258-03 Dextranucrase and dental plaque formation
 ** R23DE-03634-02 Regulation of carbohydrate catabolism in *Streptococcus mutans*
 ** R23DE-03672-02 Amino acids fermentation by *Bacteroides melanogenicus*
 ** R23DE-03697-02 A genetic approach to the study of *Streptococcus mutans*
 ** R01AI-00537-04 Enzymatic oxygen fixation into aromatic hydrocarbons (bacteria)
 ** R01AI-00678-08 Enzymatic degradation of aromatic compounds (bacteria)
 ** R01AI-00804-03 Metabolism of heavy metal cations (bacteria)
 ** R01AI-00838-02 Purification and properties of ochratoxin A
 ** R01AI-00986-01 Biodegradation of the phthalates by bacteria
 ** R01AI-00994-01 Biodegradation of phthalic acids and esters
 ** R01AI-01263-01 Photophysiology in bacterium containing rhodopsin
 ** R01AI-00585-01 Ribosome alteration and assembly in stressed cells
 ** R01AI-06048-16 Regulation of enzyme synthesis in bacteria
 ** R01AI-07446-15 Metabolism and biological function of inositol (bacteria)
 ** R01AI-09320-13 Control of genome expression (bacteria)
 ** R01AI-09396-13 Peptide antibiotics and bacterial sporulation
 ** R01AI-09738-13 Genetic and biochemical study of tryptophan synthetase (bacteria)
 ** R01AI-10935-12 Lipid aberrations in mutant strains of *Neurospora*

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01GM-11024-11 Characterization of membrane transport components (bacterial animals)
- ** R01GM-11899-11 Control mechanisms in enzyme biosynthesis (bacteria)
- ** R01GM-11983-11 Regulation of glycerol transport and metabolism (bacteria)
- ** R01GM-13626-09 Control of RNA synthesis
- ** R01GM-13952-09 Biochemical mechanisms of sugar transport
- ** R01GM-14358-08 Physicochemical and genetic studies of DNA function (bacteria, bacteriophage)
- ** R01GM-15381-07 Regulation of RNA synthesis in *E. coli*
- ** R01GM-15590-08 Induction and biogenesis of subcellular organelles (bacteria)
- ** R01GM-15766-07 Regulatory mechanisms in *E. coli*
- ** R01GM-15884-09 Genetic modification of mitochondria
- ** R01GM-16059-06 Macromolecular aspects of synchronous cell division (bacteria)
- ** R01GM-16292-06 Biochemical genetic study of bacterial fatty acids
- ** R01GM-16835-06 Ribosome function—Antibiotic action
- ** R01GM-17101-03 The mechanism of translocation
- ** R01GM-17129-04 Ribosome structure and function (*E. coli*)
- ** R01GM-17538-04 Mechanism of gene expression and its regulation (*S. typhimurium*)
- ** R01GM-17607-04 Particulate microbial oxidoreductases
- ** R01GM-17612-05 Polypeptide products of *lac* operon mutations (*E. coli*)
- ** R01GM-17892-04 Regulation of bacterial metabolism
- ** R01GM-18233-04 Membrane structure, function and biogenesis (bacteria, bacteriophage)
- ** R01GM-18277-04 Action mechanism of arabinose C protein (bacteria)
- ** R01GM-18293-04 Genetics of bacterial ribosomes
- ** R01GM-18311-03 Investigations of membrane transport systems (*E. coli*, rabbits)
- ** R01GM-18498-04 Mechanism of galactose transport through a membrane (*E. coli*)
- ** R01GM-18566-03 Evolution of regulatory mechanism (bacteria)
- ** R01GM-18568-02 Role of RNA polymerase in bacterial differentiation
- ** R01GM-18608-04 Plasmid DNA replication
- ** R01GM-18627-04 Tryptophan biosynthesis in *Bacillus subtilis*
- ** R01GM-18731-03 Transport of magnesium (bacteria)
- ** R01GM-18735-03 Control of growth and division (bacteria)
- ** R01GM-18842-03 Genetic control of phage T4 DNA replication
- ** R01GM-18904-03 Regulation of differentiation in germinating spores
- ** R01GM-18916-03 Genetics catabolic pathways (bacteria)
- ** R01GM-18926-03 DNA structure and replication in yeast and bacteria
- ** R01GM-18953-03 Specific M-RNA control by canavanine and arginine (bacteria)
- ** R01GM-18962-01 Mechanisms of sugar transport in membrane vesicles (bacteria)
- ** R01GM-19043-03 Cell division and membrane proteins (bacteria)
- ** R01GM-19078-03 Gene amplification and membrane proteins (bacteria)
- ** R01GM-19167-03 Function of bacterial membranes in DNA replication
- ** R01GM-19168-03 Role of RNA polymerase in bacterial differentiation
- ** R01GM-19236-03 Translational control of spore development
- ** R01GM-19308-03 Membrane mutants of *Neurospora*
- ** R01GM-19310-03 Molecular aspects of genetic recombination
- ** R01GM-19483-05 Cell growth and division
- ** R01GM-19499-03 Membrane differentiation in bacteria
- ** R01GM-19511-03 Assembly of a membrane-bound multi-enzyme complex
- ** R01GM-19559-02 Genetic and molecular studies of bacterial behavior (*E. coli*)
- ** R01GM-19643-02 Proteases and protein turnover in bacterial sporulation
- ** R01GM-19670-02 Transcription and translation regulatory signals (*E. coli*)
- R01GM-19673-02 RNA polymerase in bacterial differentiation
- ** R01GM-19674-01 Control of enzyme synthesis and regulation (bacteria)
- ** R01GM-19698-02 Degradative reactions in spore germination
- ** R01GM-19809-02 Microbial and insect metabolism of aliphatic compounds
- ** R01GM-19822-15 Metabolism and function of complex lipids (*E. coli*)
- ** R01GM-19858-01 Sodium-mediated transport across bacterial membranes (*E. coli*)
- ** R01GM-19859-02 Subcellular structures of prokaryotic organisms
- ** R01GM-19957-02 Cell-cell interaction in the mycobacteria
- ** R01GM-19971-04 Structure and function of *Neurospora crassa* membranes
- R01GM-19972-05 Biochemistry of membrane and catalytic proteins (bacteria, plants)
- ** R01GM-20055-01 Membrane synthesis and sporulation (*Bacillus subtilis*)
- ** R01GM-20056-02 Control of gametogenesis
- ** R01GM-20114-01 Regulation of protein synthesis in growth transitions
- R01GM-20122-02 Structural basis for regulation of ribotide reductase
- ** R01GM-20160-02 Intermediates in DNA replication in *Escherichia coli*
- ** R01GM-20171-02 Membrane permeability in colicin-treated cells (*E. coli*)
- ** R01GM-20172-01 Enzymes of aromatic oxidations from microorganisms
- R01GM-20173-02 Regulation of bacterial membrane formation
- ** R01GM-20296-01 Polyribosomes in bacterial spores
- ** R01GM-20308-08 Genetic and biochemical studies of *Escherichia coli*
- R01GM-20367-02 Molecular aspects of membrane development (bacteria)
- R01GM-20395-02 Factors affecting bacterial transport system activity
- ** R01GM-20449-01 Mitochondria (yeast)
- R01GM-20486-02 Regulation of purine utilization in bacteria
- ** R01GM-20509-02 Cell division and morphogenesis in bacteria
- ** R01GM-20533-01 NADase and the life cycle of *Neurospora*
- ** R01GM-20641-01 Transcriptional control of bacterial cell development
- ** R01GM-20728-01 Regulatory factors of sporulation in *Bacillus subtilis*
- ** R01GM-20737-01 Transport components from eukaryotes and bacteria
- R01GM-20778-05 Glycine metabolism—Enzymes and cofactors (bacteria)
- ** R01GM-20880-01 Common points regulating enzyme biosynthesis (bacteria)
- ** R01GM-20884-01 Deoxyribonucleotide metabolism in *Escherichia coli*
- ** R01GM-20909-01 A genetic approach to membrane assembly
- ** R01GM-21006-01 The bacterial envelope in cell duplication
- ** R01GM-21050-01 Molecular mechanism of control of gene function (bacteriophage, bacteria)
- ** R01GM-21052-01 Mechanism and regulation of *E. coli* RNA polymerase
- ** R01GM-21060-01 Membrane-bound ribosomes in chloroplasts and bacteria
- ** R01GM-21098-01 Microbial mutants in central carbohydrate metabolism (*E. coli*)
- ** R01GM-21131-24 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- ** R01GM-21198-07 Allosteric enzymes in *Pseudomonas* catabolism
- ** R01GM-21228-01 Genetics of differentiation in caulobacter
- ** R01GM-21281-01 Transcription signals in the histidine operon (bacteria)
- ** R01GM-21287-01 Coupling eukaryotic genes to prokaryotic plasmids
- ** R01GM-21307-01 Genetic studies of glutamine synthetase in bacteria
- ** R01GM-21397-01 Enzymological and genetic studies of DNA polymerases
- ** R01GM-21400-01 A chemical regulator of phospholipid metabolism
- ** R01GM-21889-01 Regulation of cell surface glycoproteins (*Haemophilus*)
- ** R01HD-00850-17 Sexual hormones of *Achlya bisexualis*
- ** R01HD-04214-05 Control of transcription during spore germination (bacteria)
- ** R01HD-04420-05 Repressor proteins in *E. coli* and eucaryotic cells
- MICROBIAL CULTURE**
SEE GROWTH MICROORGANISMS, MICROBIAL CULTURE
- MICROBIAL DISEASES (GENERAL)**
SEE COMMUNICABLE DISEASES (GENERAL)
- MICROBIAL GENETICS**
SEE GENETICS, MICROBIAL
- MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)**
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HISTOPLASMIN (TEST)*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, LEPROMIN (TESTS)*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, TUBERCULIN TESTS*
SEE ALSO MICROBIAL REGISTRIES
- ** R01AI-03242-13 0006 Genetics, structure, and function of bacterial pili - Pili structure, isolation, and classification (bacteria, bacteriophage)
- R01AI-08758-06 Composition and activities of the gut flora (mice)
- ** R01AI-10107-03 Metabolism, physiology and evolution of *Acinetobacter*
- ** R01AI-10605-03 Biology of mycoplasma viruses
- ** R01AI-11140-02 Serological identification of *N. gonorrhoeae* (rabbits, human)
- ** R01AI-32502-02 Operation and maintenance of cholera vibrio reference laboratory
- R01AI-80640-10 Operation of mycobacterial collection
- P02CA-05826-13 0042 Clinical cancer research center - Medical and metabolic studies-nutritional problems
- ** P02CA-05826-13 0043 Clinical cancer research center - Dietary control of enteric organisms in acute leukemia (human)
- ** P02CA-05826-13 0094 Clinical cancer research center - Microbiology laboratory
- R01CP-33384-01 Microbiological synthesis of carcinogenic polycyclic hydrocarbons
- R01CP-43370-00 Immunological studies on breast carcinoma (human, mice)
- ** P01DE-02847-06 0006 Microbial ecology and its relation to dental disease - Microbiota associated with coronal caries (human)
- ** P01DE-02847-06 0007 Microbial ecology and its relation to dental disease - Bacteria associated with human root carious lesions (also laboratory animals)
- ** P01DE-02847-06 0008 Microbial ecology and its relation to dental disease - Microbial composition of plaque in periodontal health and disease (human)
- ** P01DE-02847-06 0018 Microbial ecology and its relation to dental disease - Techniques for identification of potentially odontopathic bacteria
- ** R01DE-03488-03 Microbial composition of dental plaque
- ** R01DF-00592-02 Combined bacteriological procedures
- ** P01GM-10548-12 0002 Nuclear instrumentation and chemistry in medicine - Automated microbiology (human)
- ** R01GM-10797-09 0014 Pattern recognition in clinical medical laboratories - Bacteriology slide scanning
- ** P01GM-13244-10 Scanner-computer investigations of biological systems (microorganisms)
- M P01GM-14604-08 Anaerobic bacteriological research program
- R01HL-14703-08 The role of infection in emphysema (human)
- P17HL-15389-03 0003 Wisconsin Pulmonary Disease Research Center - Epidemiology of hypersensitivity pneumonitis (human, bacteria)
- R01NS-10309-02 Mashed and latent viruses in brain (human, monkeys)
- R01RR-00609-03 Response of gnotobiotics to specified microbial floras (mice)
- MICROBIAL IDENTIFICATION AND CLASSIFICATION, PHAGE TYPING**
- ** R01AI-03242-13 0005 Genetics, structure, and function of bacterial pili - Detection, assay, and characterization of new ephruses (bacteria, animals)
- R01AI-08426-18 Metabolism of phytopathogenic bacteria
- MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING**
SEE ALSO IMMUNITY, CROSS IMMUNITY
- R01AI-00742-20 Pathogenicity in trichomonads, other flagellates (rodent, rabbit, *tsa tsu fly*)
- ** R01AI-02079-04 Serological identification of atypical mycobacteria
- R01AI-03093-15 Staphylococcal and staphylophage genetics
- R01AI-03638-14 Bacteriology and serology of pyelonephritis (human)
- R01AI-04059-13 0001 Viral respiratory diseases - Characterization of viruses causing common respiratory diseases in man
- R01AI-05100-12 Respiratory infection and respiratory pathogens of man
- R01AI-05283-11 Hemolysins of *Staphylococci* and *Pseudomonas aeruginosa* (horses)
- R01AI-07436-08 Involvement of *Mycoplasma* in some types of arthritis (rabbits)
- ** P01AI-08724-18 0002 Biology of streptococci - Genetic variation of the M antigen in group A streptococci
- R22AI-09962-03 Diagnostic protoplasmic sensitivities from mycobacteria (rodents, rabbits)
- ** R22AI-10831-03 Intragroup relationships of rabies serogroup (mice)
- R01AI-10984-03 World reference center for arboviruses (mice)
- ** P01AI-11132-03 0003 Prevention or control of arbovirus infections - Rhabdovirus epidemiology improved techniques (rodent, rabbit, human)
- ** R01AI-11881-01 Serotyping of *Chlamydia* isolates
- R01AI-11932-01 *Haemophilus influenzae* type B infections (human, rabbits)
- ** P01AI-21292-01 0001 Venereal disease research - Clinical pathology and pathogenesis of gonorrhea
- ** P01AI-21292-01 0003 Venereal disease research - Antigenic analysis of *Neisseria gonorrhoeae* (human, rabbits, monkeys)
- ** R01AI-22515-06 Repository and distribution center for leucocyte typing sera (human)
- ** R01AI-32508-03 Freeze-drying of typing sera

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-02215-14 Spare parts-Homografts of bone marrow (dogs)
- P01CA-13330-03 0053 Cancer research program - Interaction of a picorna virus with cultured lymphocytes (human)
- R26CA-14137-03 Bladder cancer in meniscus gradient tissue culture (human)
- ** N01CM-23701-04 Perform mixed leukocyte cultures (human, dogs)
- N01CP-33308-02 Expression of the RNA tumor virus genome in malignant cells (human, mammals)
- N01CP-60902-11 Produce simian foamy virus reagents and antisera
- P01DE-02552-08 0002 Microbial pathogenesis of human dental caries - Microbiology
- ** P01DE-03841-01 0009 Host response in dental disease - Oral flora in *Macaca speciosa*
- ** N01HB-22906-03 Development of detection systems for cytomegalovirus (human, mammals)
- P01HD-03693-06 0002 Pathogenesis of chronic infections - Maternal health and epidemiology (human)
- P18HL-15169-03 0009 Comprehensive sickle cell disease center - The high incidence of pneumococcal infections in sickle cell anemia (human, mice)
- ** P07RR-00003-13 0050 Medical data processing research - Serotyping for homotransplantation

MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING

- SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, PHAGE TYPING
- ** R01AI-03242-13 0005 Genetics, structure, and function of bacterial pili - Detection, assay, and characterization of new ephrines (bacteria, animals)
- ** R01AI-10984-03 World reference center for arboviruses (mice)
- ** P01AI-11132-03 0004 Prevention or control of arbovirus infections - Serological and biological properties of Congo virus (mice)
- ** R01AI-11430-01 Viral etiology of human renal disease
- R22AI-11540-02 The forest cycles of dengue in Malaysia (mice, monkeys, mosquitoes)
- R01AM-17028-01 Virologic studies of systemic lupus erythematosus (human, mice)
- ** R01CA-10095-07 Gene action and cellular differentiation in culture (mice, human)
- ** P01CA-10815-06 0036 Consolidated basic cancer research program - Phylogenetic range of naturally occurring oncoviruses (reptiles)
- P01CA-11405-06 0018 Core program on etiology of cancer - Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human)
- R01CA-13085-03 Serologic assessment of murine and feline leukemias
- R26CA-14137-03 Bladder cancer in meniscus gradient tissue culture (human)
- P01CA-14193-02 0004 Coreparative leukemia studies unit - Natural transmission and distribution of BLV (human, mammals)
- R01CA-14362-02 Growth and function of cerebral coils in vitro (human, sheep)
- P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
- R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
- ** R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- ** R26CA-15417-02 Viruses and virus-like particles in prostatic tumors (human)
- R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- ** N01CM-43760-00 Maintenance of virus diagnostic laboratory (mice, rats, hamsters)
- R01HD-01687-09 Pathogenesis of infection in human maldevelopment
- R01HL-14703-08 The role of infection in emphysema (human)
- R01NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
- P01NS-11418-01 0005 Studies in demyelinating diseases - Viral culture of lymph node and CNS tissue (human)
- ** P06RR-00361-08 Reference center for study of primate viruses
- N01RR-42158-00 Maintain collections of strains of microorganisms and cell cultures

MICROBIAL IMMUNOLOGY

SEE IMMUNOLOGY, MICROBIAL

MICROBIAL INTERACTION

- SEE ALSO REPRODUCTION MICROORGANISMS, COJUGATION MICROORGANISMS
- SEE ALSO VIRUS INTERACTION
- ** R01HL-15024-03 Microbial interaction in acute respiratory disease (human, hamster)

MICROBIAL MATTS

- N01DE-22030-05 Evaluation of intraoral test of human cariogenicity

MICROBIAL REGISTRIES

- R01AI-10984-03 World reference center for arboviruses (mice)

MICROBIAL RESISTANCE TO DRUGS

SEE DRUGS RESISTANCE, MICROBIAL

MICROCALORIMETRY

SEE TEMPERATURE, HEAT, MICROCALORIMETRY*

MICROCIRCULATION

SEE CARDIOVASCULAR SYSTEM, MICROCIRCULATION

MICROCOCCUS

SEE BACTERIA, MICROCOCCACEAE, MICROCOCCUS*

MICROCOCCUS LYSODEIKTICUS

SEE BACTERIA, MICROCOCCACEAE, MICROCOCCUS LYSODEIKTICUS*

MICROELECTRODES

SEE ELECTRODES, MICROELECTRODES*

MICROFILAMENTS

SEE CELL COMPONENTS, MICROFILAMENTS

MICROGLIA

SEE NERVOUS SYSTEM, NEUROGLIA, MICROGLIA

MICROGRAPHY (GENERAL)

SEE OPTICS, MICROGRAPHY (GENERAL)*

MICROINJECTIONS

SEE DOSAGE AND ROUTE, INJECTIONS, MICROINJECTIONS

MICROMANIPULATORS*

- R01GM-21367-01 Materials and components for miniature fiberscopes (human, dogs)

MICROORGANISMS

- SEE ALSO BACTERIA (GENERAL)*
- SEE ALSO BEDSONIA
- SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
- SEE ALSO FUNGI*
- SEE ALSO GROWTH MICROORGANISMS
- SEE ALSO PROTOZOA GENERAL
- SEE ALSO RICKETTSIALES
- SEE ALSO TEMPERATURE OPTIMA, MESOPHILES
- SEE ALSO TEMPERATURE OPTIMA, PSYCHROPHILES
- SEE ALSO VIRUSES
- ** R01AI-03046-15 Electron transport in microorganisms (bacteria, Protozoa)
- R01AI-11629-01 Polymyxin analogs (mice)
- P01AI-12381-01 0006 Center for study of sexually transmitted diseases - Microbiological investigations of Bartholin's gland abscesses
- ** P01AI-12381-01 0018 Center for study of sexually transmitted diseases - Sexually transmissible microorganisms and morbidity in non-pregnant women
- ** P01AI-12381-01 0019 Center for study of sexually transmitted diseases - Genital microflora in relation to sexual experience
- ** P01AI-12381-01 0020 Center for study of sexually transmitted diseases - Sexually transmissible conditions and perinatal and maternal morbidity
- R01AM-05165-13 Lipids in microorganisms and plants
- R01AM-15144-03 Anemia, pancreatic atrophy, defined diets (rats, mice)
- R01AM-17146-01 Chelates for Cooley's anemia and iron storage disease (rats, rabbits)
- N01AM-22209-03 Study amine metabolism in uremia (human)
- P02CA-10895-06 0009 Adult leukemia research center - Laminar air flow (human)
- N01GM-22004-06 Maintenance of a genetic center
- ** N01GM-33705-01 Determinative and diagnostic microbiological services
- N01CP-12310-06 Colon carcinogenesis (rodents)
- N01CP-33334-01 Comparative fecal flora studies (human)
- ** N01CP-33380-02 Fecal flora studies
- N01CP-43378-00 Colon carcinogenesis (rodents)
- P13DE-02600-08 0020 Planning of a research center in oral biology - Oral microflora and periodontal disease (human)
- R01DE-03118-04 Polysaccharides produced by cariogenic microorganisms
- R01DE-03512-03 Bacterial composition of dental plaque (human)
- R01DE-03674-01 Data processing applied to ecology of oral flora
- R01DE-03713-01 Effect of fissure sealant on progress of dental caries (human)
- ** R23DE-03890-01 Enzymes of microbial isolates from infected pulp canals
- P01ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
- N01ES-22043-05 Fate of heavy metals and heavy metal complexes in soils and plants
- R01FD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
- R01FD-00607-01 Antinutritional effects of modified food starches (rats)

- R01GM-18278-04 Biochemistry of natural products (plants, microorganisms)
- ** R01GM-20619-01 Operations research in microbiology laboratory
- ** P01HD-07328-01 0005 Experimental and theoretical studies of cell senescence - Design and development of micromanipulation equipment
- R01HD-07582-02 Epidemiologic studies of sudden unexpected death in primates (*Macaca*)
- P01HL-08214-11 0094 Chemical and biological properties of lipids - Lipids in microorganisms and plants (gingko, moss)
- R23HL-17132-01 Quantitative human alveolar macrophage function (human)
- N01HR-22944-02 Heat factors as determinants of chronic obstructive pulmonary disease (human)
- R01RR-00390-06 Normal biologic profiles for miniature swine

MICROORGANISMS ATTENUATED

- ** R01AI-08952-06 Vaccination with irradiated sporozoites of *Plasmodium* (mice)
- N01AI-12091-07 Antigenicity and effectiveness of respiratory disease vaccines
- ** N01AI-22504-02 Develop attenuated mutants of RSV and PV as potential vaccine strains (hamsters)
- N01AI-22508-03 Clinical evaluation of influenza virus and *Mycoplasma pneumoniae* vaccines
- ** N01AI-42542-00 Development of 'An in vitro assay of attenuation of live influenza viruses'
- N01CP-12059-11 Research on oncogenic viruses, virus production and vaccine development
- M01RR-00082-12 0108 General clinical research center - Evaluation of attenuated influenza vaccine-London strain (human)
- M01RR-00350-08 0007 General clinical research center - *Mycoplasma pneumoniae* vaccine studies (human)

MICROORGANISMS PRESERVATION

- ** N01AI-80640-10 Operation of mycobacterial collection
- ** N01CP-22068-04 Develop methods of producing purified oncogenic herpes viruses (rabbit, hamster)
- N01CP-23221-02 Mycobacteria as inhibitors of tumor cell growth (mammals)
- N01CP-43243-00 Interactions between RNA tumor viruses and other viral agents
- R01GM-15410-07 Normal and abnormal cell growth and heredity (ciliates)
- ** N01RR-12501-02 Maintain collections of microorganisms and cell cultures

MICROORGANISMS VIRULENCE

- SEE ALSO BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL
- SEE ALSO DRUGS RESISTANCE, MICROBIAL
- SEE ALSO MICROORGANISMS ATTENUATED
- SEE ALSO VIRUS DISEASE CHARACTERISTICS, CYTOPATHOGENIC EFFECT VIRAL
- ** R01AI-00742-20 Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tree (fly))
- R01AI-01071-18 *Corynebacterium diphtheriae* and its viruses
- R01AI-02336-16 The biology of treponemes and treponemal infections (rabbits)
- R01AI-03093-15 Staphylococcal and staphylophage genetics
- ** R01AI-04025-12 Mechanisms of pathogenicity and immunity in listeriosis (rabbits, mice)
- ** R01AI-05022-11 The pathogenesis of cryptococcosis (mice, guinea pigs)
- R01AI-05182-12 Avian malaria transmission-Lethality of *Plasmodium ocaerium*
- R01AI-06589-10 Characterization of pathogenic and saprophytic *Lepidoptera*
- R01AI-06661-09 *Mycoplasma pneumoniae* (hamsters)
- ** R01AI-07168-09 Genetics and physiology of *Salmonella typhimurium* (mice, E coli)
- R22AI-07724-08 Hypersensitivity and resistance in schistosomiasis (human, animals)
- ** R22AI-07772-08 Biochemistry of *Vibrio cholerae* virulence
- R01AI-08124-07 Comparative studies of parasitic spirochetes
- R22AI-08252-05 Genetic and related interactions in mycobacteria
- R22AI-08401-07 Surface chemistry of mycobacteria (mice)
- R01AI-08426-18 Metabolism of phytopathogenic bacteria
- R01AI-08429-08 Bacterial antigens and antibodies (rabbits, human)
- R01AI-08844-05 The ontotoxic-like properties of *Listeria monocytogenes* (mice, rabbits)
- R01AI-09304-06 Influenza virus and experimental influenza (mice, rabbits)
- R01AI-09478-04 The biology and therapy of tuberculosis (primates, guinea pigs)
- R01AI-09608-05 Differentiation of neuropathic *Acanthamoeba* (mice)
- R07AI-10048-14 0005 International center for medical research - Ecological studies within Biostates of Calcutta (mammals, fish, birds)
- R01AI-10085-10 Streptococcal immunity, rheumatic fever and nephritis (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has sub-projects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1A1-10646-03 Antibiotic resistance in *Neisseria gonorrhoeae*
- ** RO1A1-10666-02 Bacterial surfaces, virulence and phagocytosis
- RO1A1-10727-02 Metabolic interactions between S typhi and polymorphonuclear leukocytes (human)
- ** RO1A1-10856-02 Survival of pathogenic microorganisms on human skin
- ** RO1A1-10982-02 Cultivation of virulent *Treponema pallidum* (rabbits)
- ** RO1A1-10997-01 Pathogenesis of cytomegalovirus infection (monkeys, human)
- ** RO1A1-11073-02 *Genococcus* infection (human, mice)
- RO1A1-11278-02 Pathogenesis and immunology of *Neisseria gonorrhoeae* (rabbits)
- ** RO1A1-11283-02 Growth and metabolism of virulent *Treponema pallidum* (rabbits)
- RO1A1-11284-02 Chick embryo as an animal model for gonorrhea (human)
- RO1A1-11849-01 Laboratory marker of influenza virus virulence
- RO1A1-12058-01 Cytopathology induced by *Neisseria* infectious agent (mice)
- PO1A1-12192-01 0001 Veneral disease research - Clinical pathology and pathogenesis of gonorrhea
- ** PO1A1-12192-01 0002 Veneral disease research - Genetics of virulence determinants in *Neisseria gonorrhoeae* (chick embryos)
- NO1A1-12199-02 Improved method for inactivation of rabies virus
- ** PO1AM-09001-10 0045 Biochemistry and immunology of blood diseases - Hematologic reactions and virulence
- RO1CA-14674-02 Involvement of bacterial RNA polymerase in crown gall (brood bean)
- ** RO1DE-03758-01 Determinants of virulence in *Streptococcus mutans*
- RO1EY-06840-03 Loss of vision due to corneal inflammation (human)
- ** RO1EY-01104-02 Pathogenesis of *Pseudomonas* corneal infection (rabbits)
- RO1EY-01488-01 Experimental *Pseudomonas* infection of the cornea (mice)
- ** RO1FD-00149-12 Sanitation of freeze-dried foods (bacteria)
- RO1HL-01803-20 0002 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins smooth muscle, muscle-like structure (human, rabbits, goats)

MICROPHONE, PROBE TUBE

SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*

MICROPORE FILTERS, FILTRATION

SEE PHYSICAL SEPARATION, MICROPORE FILTERS, FILTRATION*

MICROPUNCTURE

SEE DIAGNOSTIC TESTS, BIOPSY, MICROPUNCTURE*

MICRORADIOAUTOGRAPHY

SEE RADIOAUTOGRAPHY, MICRORADIOAUTOGRAPHY*

MICRORADIOGRAPHY

SEE RADIOGRAPHY, MICRORADIOGRAPHY*

MICROSCOPY (GENERAL)

SEE OPTICS, MICROSCOPY (GENERAL)*

MICROSOMES

SEE CELL COMPONENTS, MICROSOMES

MICROSPECTROPHOTOMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, MICROSPECTROPHOTOMETRY*

MICROSPORIDIA

SEE PROTOZOA, SPOROZOA, MICROSPORIDIA

MICROSURGERY AND MICRODISSECTION

SEE SURGERY, MICROSURGERY AND MICRODISSECTION

MICROTUBULES

SEE CELL COMPONENTS, MICROTUBULES (GENERAL)

MICROVILLUS DENSE BODY

SEE GASTROINTESTINAL SYSTEM, INTESTINAL VILLI, MICROVILLUS DENSE BODY

MICROWAVE HEATING

SEE TEMPERATURE, HEAT, MICROWAVE HEATING

MICROWAVE RADIATION

SEE RADIATION, ELECTROMAGNETIC WAVES, MICROWAVE RADIATION

MICTURITION DISORDERS

SEE URINATION DISORDERS

MIDBRAIN

SEE BRAIN, MESENCEPHALON

MIDDLE AGE

SEE AGE, ADULT, MIDDLE AGE

MIDDLE EAR

SEE EAR, MIDDLE EAR

MIDDLE EAR DISORDERS

SEE EAR DISORDERS, MIDDLE EAR DISORDERS

MIDDLE EAST

SEE GEOGRAPHICAL SITES, MIDDLE EAST

MIDGES

SEE ARTHROPODS, INSECTS, DIPTERA, CULICIDS, MIDGES*

MIF

SEE HYPERSENSITIVITY, MIGRATION INHIBITORY FACTOR

MIF (MELANOCYTE INHIBITORY FACTOR)

SEE PITUITARY-DIENCEPHALON HORMONES, MIF

MIGRAINE

SEE NEUROLOGIC MANIFESTATIONS, HEADACHE, MIGRAINE

MIGRANTS

SEE SOCIOENVIRONMENT, RESIDENTIAL MOBILITY, MIGRANTS

MIGRANTS (SOCIOLOGY)

SEE SOCIOENVIRONMENT, RESIDENTIAL MOBILITY, MIGRANTS

MIGRATION, CELL

SEE CELL MIGRATION

MIGRATION INHIBITORY FACTOR

SEE HYPERSENSITIVITY, MIGRATION INHIBITORY FACTOR

MIGRATORY ANIMALS

SEE ANIMALS, MIGRATORY*

MILIEU THERAPY

SEE PSYCHOTHERAPY, MILIEU THERAPY

MILITARY PERSONNEL

SEE SOCIAL CONTROL PERSONNEL, MILITARY PERSONNEL

MILK

SEE BODY FLUIDS, MILK

MILK EJECTION (REFLEX)

SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, MILK EJECTION (REFLEX)

MILKWEED

SEE PLANTS, MILKWEED*

MIMAEAE

SEE BACTERIA, MIMAEAE*

MIND EXPANDING DRUGS

SEE PSYCHOPHARMACOLOGICAL AGENTS, PSYCHEDELIC DRUGS

MINERAL BALANCE - METABOLISM

SEE CALCIUM (MINERAL) BALANCE (METABOLISM)

MINERAL METABOLISM DISORDERS

SEE CALCIUM (MINERAL) IMBALANCES

MINERALIZATION ENHANCING DRUGS

SEE CALCIFICATION ENHANCING DRUGS (CALCIUM POSITIVE BALANCE DRUGS)

MINERALIZATION INHIBITORS

SEE CALCIFICATION INHIBITORS (CALCIUM NEGATIVE BALANCE DRUGS)

MINERALIZATION OF BONE

SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

MINERALOCORTICIDS

SEE ADRENAL CORTEX HORMONES, MINERALOCORTICIDS

MINERALS

SEE CHEMICALS UNLISTED ELSEWHERE, MINERALS (GENERAL)

MINIMAL BRAIN DYSFUNCTION SYNDROME (HYPERACTIVITY SYNDROME)

SEE CHILD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL, HYPERACTIVITY SYNDROME

MINK

SEE MAMMALS, CARNIVORES, MINK*

MINNESOTA MULTIPHASIC PERSONALITY INVENTORY

SEE PSYCHOLOGICAL TESTS, MMPI*

MINGRITY GROUPS

SEE SOCIAL GROUPS, MINORITY GROUPS

MINORITY GROUPS IN HEALTH PROFESSIONS

SEE HEALTH SCIENCES PROFESSIONS, MINORITY GROUPS

MINOXIDIL

SEE PYRIMIDINES, MINOXIDIL

MINUTE VIRUS OF MICE

SEE VIRUSES, PICODNAVIRUSES, MINUTE VIRUS OF MICE

MOTICS

SEE EYEDROPS AND MEDICATIONS, MOTICS

MIRACIL D

SEE THIOXANTHONES, LUCANTHONE

MISCARRIAGE

SEE PREGNANCY LOSS, ABORTION

MIST TENT THERAPY, RESPIRATORY DISORDERS

SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, AEROSOL THERAPY

MITES

SEE ARTHROPODS, ARACHNIDS, MITES*

MITHRAMYCIN

SEE ANTIBIOTICS, MITHRAMYCIN

MITOCHONDRIA

SEE CELL COMPONENTS, MITOCHONDRIA

MITOCHONDRIAL DNA (INHERITANCE)

SEE CELL COMPONENTS, MITOCHONDRIAL DNA (INHERITANCE)

MITOCHONDRIAL MEMBRANE

SEE CELL COMPONENTS, MITOCHONDRIAL MEMBRANE

MITOGENIC FACTORS, PLANT

SEE PROTEINS, LECTINS

MITOMYCINSEE ANTIBIOTICS, MITOMYCIN
SEE ANTIBIOTICS, MITOMYCIN C**MITOSIS**

SEE CELL DIVISION, MITOSIS

MITOTIC APPARATUS

SEE CELL DIVISION, MITOTIC APPARATUS

MITOTIC SPINDLE

SEE CELL DIVISION, MITOTIC SPINDLE

MITRAL INSUFFICIENCY

SEE HEART DISORDERS, VALVULAR, MITRAL INSUFFICIENCY

MITRAL STENOSIS

SEE HEART DISORDERS, VALVULAR, MITRAL STENOSIS

MITRAL VALVE

SEE HEART, VALVES, MITRAL VALVE

MIYAGAWANELLA

SEE BEDSONIA

MIXED CELL AGGLUTINATION REACTION TEST FOR CANCER

SEE NEOPLASMS DIAGNOSIS, SPECIFIC RED CELL ADHERENCE TEST

MIXED CELL CULTURES

SEE TISSUE (CELL) CULTURE, MIXED CULTURES

MIXED LEUKOCYTE CULTURE (TEST)

SEE TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING, MLC

MK-486

SEE CYCLIC AMINO ACIDS, DOPA, L-ALPHA-METHYL DOPA HYDRAZINE

MLC TEST (MIXED LEUKOCYTE CULTURE)

SEE TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING, MLC

MLV (MOUSE LEUKEMIA VIRUSES)

SEE VIRUSES, ONCORNA, LEUKEMIA MOUSE

MMPI

SEE PSYCHOLOGICAL TESTS, MMPI*

MNSS SYSTEM

SEE BLOOD GROUPS, MNSS SYSTEM

MOBILITY, RESIDENTIAL

SEE SOCIOENVIRONMENT, RESIDENTIAL MOBILITY

MOBILITY, SOCIAL

SEE SOCIOECONOMICS, SOCIAL MOBILITY

MODEL CITIES AND COMMUNITIES

SEE SOCIAL PLANNING, MODEL CITIES AND COMMUNITIES

MODELS (GENERAL)

SEE ALSO COMPUTER SIMULATION

SEE ALSO ENZYME MODELS

R18AA-01746-01 Texas expanded occupational programs

R18AA-01766-01 Occupational alcoholism research and training service

** NO1AA-30107-00 Model learning system in alcohol abuse and alcoholism prevention (human)

** NO1AH-44106-00 Clinical education in allied health discipline

** NO1AH-44114-00 National model for rural health manpower

PO1AM-09650-10 0004 Hormonal and ionic control of metabolism - Roles of calcium and cyclic AMP in slime mold aggregation

R01AM-15365-04 Mechanism of sodium-dependent metabolite transport

R01AM-15564-03 0006 Secretion and hormonal integration of exocrine organs - Osmotic flow in gastric mucosa (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIAM-16277-01 Unilaterally disease dog kidney models (also rats human)
- ROICA-14170-02 Electronic aspects of carcinostatic mechanisms
- NOICB-33855-04 Study of intrabronchial deposition on inhaled radiopaque particles
- ** NOICP-43249-00 Application of animal virus model systems to human neoplasia
- ** ROIDA-00121-01 Construction of a causal model of student drug use
- ROIDA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)
- NOIDA-40148-00 National search for youth initiatives in drug abuse prevention
- ** POIDE-03695-02 0006 Occlusion research program - Stress analysis of simulated tooth support apparatus
- ** NOIDH-44091-00 Model of a dental care delivery system
- ** NOIDH-44093-00 Dental manpower econometric model
- POIES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
- ROLEY-01191-02 0005 Vision and visometer mechanisms - Vision and movement (human)
- ROIGM-11422-11 0004 Cell water, ions and control mechanisms - Molecular mechanism of resting potential-its relation to ion distribution (frog)
- POIGM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
- ** POIGM-12847-10 0025 Molecular biology of membrane systems - Energy coupling in mitochondria and other bioenergetics systems
- ROIGM-19716-01 Thermoregulation (chickens)
- ROIGM-19906-01 Model studies of vitamin B12
- ROIGM-20467-02 Gene diffusion, natural selection and drift in man
- ROIGM-20494-01 Detailed Lac operon functional characterization (E coli)
- POIHD-01136-10 0004 Center for research in human learning - Cognition
- POIHD-01136-10 0008 Center for research in human learning - Instruction (children, adults)
- POIHD-01136-10 0011 Center for research in human learning - Reading (children)
- POIHD-02528-08 0065 Research center in mental retardation - Use of non-speech responses to teach communication
- POIHD-03008-07 0020 Cognition and motivation in the retarded - Cognitive and motivational determinants of imitiveness
- ROIHD-03752-05 0005 Mammalian reproduction - Development of human testis and spermatogenesis (also sheep, rodents)
- POIHD-04510-06 0008 Center for research in human development - County agents for children
- ROIHD-05136-04 Generation of pattern and form in biological systems
- ROIHD-05168-04 Processes in understanding and producing sentences (children)
- POIHD-05941-03 0002 Human development and aging - Ethnic identity and adult development
- ROIHD-06084-02 Role definitions and potential for change (human)
- ROIHD-06130-01 Fertility and labor force in the US
- ROIHD-07093-02 Effect of labor market on birth and marriage rates
- ** ROIHD-07116-01 Simulation of birth planning decision policies
- ROIHD-07225-01 Birth planning-Values and decisions
- ** ROIHD-07328-01 0001 Experimental and theoretical studies of cell senescence - Cell systems theoretical study (Ameba, mammals)
- POIHD-07329-02 0014 Input structure and retardate performance - Cascaded chain curriculum model in knowledge acquisition by mentally retarded
- ROIHD-08287-01 The value of children in the USA
- ROIHD-08693-01 Infection enhancement-An experimental model of SIDS
- POIHL-04885-15 0010 Comparative cardiovascular studies - Constrained non-conic vessels in dynamic environment (models, calves)
- POIHL-04885-15 0011 Comparative cardiovascular studies - Distension character and stress distribution in vessels of different shapes
- POIHL-04885-15 0012 Comparative cardiovascular studies - Physical aspects of flows in the pulmonary trunk
- POIHL-04885-15 0013 Comparative cardiovascular studies - Spectral analyses of pressure and flow in pulmonary trunk (models, calves, dogs)
- POIHL-11662-07 0002 Regulation of fluid, electrolyte and acid-base balance - Micropertusion of isolated tubules (dogs, rats, rabbits)
- ** POIHL-12157-07 0026 Functions and mechanisms of cell membrane ion transport - Model membranes-Bulk systems
- ROIHL-13598-03 Prothrombin activation (human, cattle)
- POIHL-14322-03 0008 Interdisciplinary program in biomaterials science - Fundamentals of freezing and thawing processes in human blood elements
- POIHL-14322-03 0010 Interdisciplinary program in biomaterials science - Erythrocyte induced motion on migration of chemicals and erythrocytes in blood
- POIHL-14322-03 0011 Interdisciplinary program in biomaterials science - Blood coagulation synthetic membranes and liquid-liquid surfaces (sheep)
- POIHL-14580-03 0001 Program project in respiratory mechanics - Structural mechanics of the lung (dogs)
- M POIHL-15194-02 Pathophysiology of cardiopulmonary dysfunction
- POIHL-15194-02 0013 Pathophysiology of cardiopulmonary dysfunction - Cardiopulmonary flow models-Fluid mechanics of occlusive coronary lesions (dogs)
- POIHL-15194-02 0014 Pathophysiology of cardiopulmonary dysfunction - Cardiopulmonary flow models-Interpretation of indicator measurements (human)
- ROIHL-15519-02 Effect of polymer additives on turbulent blood flow (dogs)
- ROIHL-15726-01 Permeation mechanism of gases into the lung
- ROIHL-16644-01 Left ventricular volume measurement by thermoluminescence (dogs)
- ** R23HL-17119-01 Flow in collapsible model alveolar capillary networks
- POIHS-00110-11 0045 Medical care and patient care research program (human) - Drug utilization review in prepaid practice
- ROIHS-00709-04 Design and evaluation methodology for outpatient systems
- ROIMH-16726-05 Production and perception of connected speech
- ROIMH-17946-04 Cross vacidation of predictive sentencing models (human)
- ROIMH-19864-04 American beliefs about physical and mental illness
- NOIMH-20221-00 Training project on mental health aspects in nursing homes
- ROIMH-21119-02 College success-Task structure and strategy
- ROIMH-21813-03 Behavior therapy-Professional and paraprofessional
- ROIMH-21950-03 (PREP) (human)
- ROIMH-23011-01 Development of metropolitan growth theory
- RO3MH-23474-01 Survey of scientific values among psychologists
- ROIMH-23949-01 Research study of retirement preparation programs
- ** RO3MH-24725-01 A model relating attitudes and behavior
- ROIMH-24862-01 The economy in urban working class communities
- ROIMH-24866-02 Preventive intervention-Isolated Navajo families
- R12MH-24924-01 Exploration of a social change model
- ROIMH-25266-01 Personal well-being and environmental factors
- RO3MH-26052-01 Contextual influences on individual choice behavior (an)
- ROIMH-26124-01 Home-based treatment of the juvenile probationer
- NOIMH-40018-00 Organization of mental health services in Detroit-Wayne County Michigan area
- NOIMH-40076-00 Patterns of utilization of psychiatric services
- NOIMH-40096-00 Youth runaway program (demonstration)
- NOIMH-40097-00 Youth runaway program (demonstration)
- NOIMH-40098-00 Youth runaway program (demonstration)
- NOIMH-40099-00 Youth runaway program (demonstration)
- NOIMH-40100-00 Youth runaway program (demonstration)
- NOIMH-40101-00 Youth runaway program (demonstration)
- NOIMH-40107-00 Youth runaway program (demonstration)
- ** POINS-05785-09 0009 Causes of deafness - Electrophysiology laboratory (guinea pigs)
- ROINS-08236-05 Bio-beat transfer studies (human, cats)
- NOINS-12282-11 Study experimental antiepileptic drugs (monkeys)
- NOI00-32109-04 Evaluation of linkage between research publications and NIH funding
- ** NOIPE-44103-00 Educational program in biomedical science
- NOIRG-42176-00 Development of cost models of graduate education in bioscience
- MODELS, BIOLOGICAL**
- SEE ALSO BIOMEDICAL ENGINEERING, BIONICS
- ** R12AA-00209-07 0015 Washington University Alcoholism Research Center - Animal alcoholism (dogs, rats)
- M POIAA-00212-06 Oklahoma center for alcohol related studies
- ROIAA-00215-08 Habituation to alcohol (rats)
- ** ROIAA-00217-07 Chronic alcohol consumption in primates (chimpanzees)
- ** ROIAA-00231-05 Alcohol intoxication and dependence in animals (monkeys, dogs, rats)
- ROIAA-00242-06 0001 Alcoholism and diseases of the heart - Animal studies (dogs, monkeys)
- ** ROIAA-00280-03 Alcohol and aggression in a model system (fish)
- ** ROIAA-00376-01 An alcohol dependence model (rats)
- ** ROIAA-00647-01 Conflict and alcohol-An animal model
- ROIAA-01066-01 Physical dependence on alcohol (mice)
- ROIAA-01245-01 Alcohol effects on behavior-Biochemical correlates (rats, mice, monkeys)
- ROIAA-01023-18 Pathogenic agents using in vitro techniques (rats)
- NOIAA-02131-05 Study of interferon and interferon inducers (rabbits, mice)
- ROIAA-03874-14 Measles virus or other virus infections (rabbits, mice, monkeys)
- POIAA-04606-11 Immunological procedures for allograft survival (dogs, rats, monkeys)
- ROIAA-05629-12 Chemistry of the interferon molecule (mice)
- NOIAA-06197-11 Micrometeorology and ecology of parasitic nematodes (sheep)
- ROIAA-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- ROIAA-06211-09 Epidemiology of E coli infections (human, rats)
- ROIAA-06706-07 0002 Cellular immunity in viral diseases - Anergic model (guinea pigs, human)
- ROIAA-07052-13 Bacterial endotoxins in human infection (rabbits)
- ROIAA-07423-08 Graft-versus-host reaction as an immune response (rats, guinea pigs)
- ROIAA-07489-08 The transmission of toxoplasmosis (cats)
- ROIAA-07632-06 Cholera immunology in primates
- R22AA-08417-06 Cultivation of M laprae in tissue culture (rats)
- ROIAA-08648-06 Pathogenesis and epidemiology of simian viruses (primates)
- ROIAA-08651-06 Sex factors in susceptibility to infectious diseases (mice)
- POIAA-08724-18 0005 Biology of streptococci - Nicotinamide adenine dinucleotidase (mice, hamsters)
- POIAA-08724-18 0006 Biology of streptococci - Streptolysin O
- POIAA-08724-18 0010 Biology of streptococci - Group B streptococci (mice)
- ROIAA-09022-06 Model of parainfectious demyelinating encephalitis (dogs)
- ROIAA-09268-06 Specific suppression of cell-mediated immune responses (rats)
- ROIAA-09319-05 Effect of antibody-complement on artificial membranes
- ROIAA-09478-04 The biology and therapy of tuberculosis (primates, guinea pigs)
- ROIAA-09484-05 Chronic neurologic disorders caused by persistent viral infection (mice)
- ROIAA-09628-04 Slow virus infections of human (monkeys)
- ROIAA-09667-04 Mechanisms of immunological enhancement (mice)
- ROIAA-09943-04 Genetics of structurally altered phage T4 genomes (bacteria)
- R22AA-10034-04 Immunopathologic model for granulomatous diseases (human, mice, rats)
- R22AA-10066-04 Escherichia coli diarrheagenic enterotoxin (mice, rabbits)
- ROIAA-10108-04 Lethal bacteremia (human, rabbits)
- ROIAA-10115-04 Conformation and structural dynamics of antibodies (rabbits)
- ** R22AA-10250-04 Laboratory models in filariasis (jirds, monkeys)
- ROIAA-10252-04 Varicella-Epidemiology and pathogenesis (human, monkeys)
- ROIAA-10334-04 Nephritis immunopathology and renal transplants (human, rodents, sheep, monkeys)
- ROIAA-10339-03 Vaccinia virus immune mechanisms (monkey, rabbits)
- ROIAA-10381-04 Pathogenesis of pyelonephritis (E coli, rats, mice)
- ** ROIAA-10384-04 immunology of germfree genetically thymusless mice
- R22AA-10466-03 Immunity to cholera (mice)
- R22AA-10688-02 Experimental chemotherapy of leprosy (mice, hamsters)
- ROIAA-10735-02 Immunity against enteric viral infections (swine, rabbits)
- R22AA-10831-03 Intragroup relationships of rabies serogroup (mice)
- ROIAA-10943-02 Studies on leishmaniasis in Ethiopia
- ROIAA-10971-03 Cell division and surface growth (bacteria)
- ROIAA-10998-02 Permeability factor of Pseudomonas aeruginosa (mice, rabbits)
- ROIAA-10999-02 Resistance to intracellular bacterial infection
- ROIAA-11009-02 Virus-induced suppression of delayed hypersensitivity
- ROIAA-11077-02 Interplay of humoral factors in cellular immunity (mice, guinea pigs)
- ROIAA-11160-07 Venereal disease in animal models (cattle, guinea pigs)
- ROIAA-11202-02 Regulation of reaginic antibody response (mice, rabbits)
- R22AA-11204-01 Establishing nine-banded armadillos in leprosy research
- ROIAA-11217-02 A new human papova virus (hamsters, guinea pigs, rabbits)
- ROIAA-11250-02 Transmissible spongiform encephalopathies (mice, monkeys)
- ROIAA-11280-01 Genetic antiprotease variants in disease (human)

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See VOL IV (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R01AI-11284-02 Chick embryo as an animal model for gonorrhea (human)
 R01AI-11334-02 Pharmacologic control of hypersensitivity phenomena (human, monkeys, mice)
 R01AI-11359-01 Experimental bacterial endocarditis (rabbits)
 R22AI-11365-02 Cholera-like toxigenic coliform diarrhea in children
 R22AI-11416-02 Cholera toxin and adrenergic colitis in tissue culture
 R01AI-11419-01 Complement and non-complement dependent immediate hypersensitivity (rats, human)
 R01AI-11502-02 Differentiation of B-lymphocytes (mice, rabbits)
 R01AI-11572-02 Infective role of amine acid binding by viral RNA
 R01AI-11625-01 Medical significance of anti-Ig immunosuppression
 R01AI-11641-01 Pseudomonas chemotherapy-Antagonism by cations (mice, guinea pigs)
 R01AI-11714-01 Virus-antibody complexes and chromatography (mice)
 ** P01AI-11759-01 0006 Clinical and laboratory studies relating to lung disease - Animal models of respiratory allergy (dogs, monkeys)
 ** P01AI-11759-01 0008 Clinical and laboratory studies relating to lung disease - Animal models of hypersensitivity lung disease (monkeys, dogs)
 R01AI-11785-01 Cellular immunity and human disease
 R22AI-11794-01 Isolation and study of E coli enterotoxins (tissue culture)
 R01AI-11798-01 Latency and reactivation of cytomegalovirus infection (mice)
 ** R01AI-11922-01 Chlamydial genital infection-An animal model system
 R01AI-11923-01 Presensitization in kidney transplants (human, dogs)
 R01AI-11963-01 Phospholipase levels in experimental trichinosis (mice)
 P15AI-12029-01 0002 Allergic diseases center grant-Mechanisms in asthma - Comparison of bronchial sensitivity to mediators (human, rodents)
 R01AI-12049-01 Immunopathology of bullous skin diseases (human)
 ** R01AI-12057-01 Insect immunity-A model system for cellular activity
 R22AI-12065-01 Schistosome immunity mechanisms (baboons)
 ** P01AI-12192-01 0004 Venereal disease research - Meissaria and Chlamydia genital infection model (nonhuman primates)
 R01AI-12219-01 Streptococcal epidemiology and immunity (rabbits, human)
 P01AI-12381-01 0011 Center for study of sexually transmitted diseases - Chick embryo as animal model for gonorrhea
 P01AI-12381-01 0015 Center for study of sexually transmitted diseases - Chlamydia as sexually transmitted agents (guinea pigs)
 N01AI-90092-09 Filariasis chemotherapy and repository-research services
 R01AM-01483-18 Transport of calcium (human, hamsters, rats)
 R01AM-02255-16 Mycoplasma in animal and human disease (human, mice, rats)
 R01AM-03846-15 Structure and function in liver injury (human, rats)
 R01AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
 R01AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
 R01AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
 R01AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 R01AM-06074-16 Renal pathology studied with electron microscopy (human, rats, rabbits)
 R01AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
 ** R01AM-08949-10 Diabetes mellitus in Psammomys obesus (rats, guinea pigs, rabbits, hamsters)
 ** R01AM-09351-09 Canine systemic lupus erythematosus (dogs and mice)
 P01AM-09650-10 0008 Hormonal and ionic control of metabolism - Action mechanism of parathyroid hormones (rats)
 R01AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
 R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
 M R01AM-10546-09 Epidermal cell model from human skin
 R01AM-11308-08 Pathogenesis of inflammatory responses (rabbits, mice)
 R01AM-11803-06 Immunoglobulins and the stomach, liver and intestines (rats)
 R01AM-11949-07 Mechanisms of arthritis (human, rabbits)
 R22AI-12105-05 Gastrointestinal functions of PCM children (and hamsters)
 R01AM-12433-07 Cytochemical studies of keratinization (human, rats, rabbits)
 R01AM-12706-05 Histidine biosynthesis in animal development (human, mammals, chickens)
 R01AM-12849-06 Immunologic studies in rheumatoid arthritis (human, rabbits)
 R01AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
 R01AM-13455-05 Sweet gland defect in pancreatic fibrosis (human, reptiles, birds)
 R01AM-13660-04 Pathology of biomedical disorders in vitro
 R01AM-14388-05 Ciliary action related to cystic fibrosis (human)
 R01AM-14659-03 Influence of wrist pathomechanics on hand function (human)
 R01AM-14681-04 The role of the ureter in experimental pyelonephritis (monkeys)
 R01AM-15041-02 Carotidogenesis (rats)
 R01AM-15165-04 Adipose tissue metabolism in obesity (human, rats)
 R01AM-15171-02 Experimental immune colitis due to bacterial antigens (human, guinea pigs)
 R01AM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
 R01AM-15197-03 Amino acid metabolism in experimental urmia (rats)
 R01AM-15278-01 Study of scoliosis (chickens)
 R01AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
 R01AM-15465-03 Normal and pathological lysosomal metabolism (rats)
 ** P01AM-15513-03 0009 Psoriasis biology, psoriogenesis and lesion control - Animal screening systems for tropical drugs (swine, mice)
 ** R01AM-15544-03 Erysipelothrix model of rheumatoid arthritis etiology (swine, rabbits)
 R01AM-15552-03 Model for chondrogenic and osteogenic studies (deer)
 ** R01AM-15579-03 Enhancement in a renal transplant model (rats)
 R01AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
 R01AM-15664-03 Ectoparasitism-Immunological phenomena (dogs)
 P01AM-15671-04 0051 The biology of skeletal and other connective tissues - Resumption of longitudinal growth after distal femoral amputation (rats)
 R01AM-15823-03 Renal transport of uric acid in gout (chickens)
 R01AM-15851-03 Liver plasma membrane protein turnover in cholestasis (rats)
 R01AM-15926-02 Ion transport by gastrointestinal epithelia (rabbits, human)
 R01AM-15980-02 0002 Hemodynamic factors in fractures and bone disease - Blood flow in experimental fracture (dogs)
 R01AM-16024-03 Mechanisms of active and passive solute transport (frogs)
 R01AM-16031-02 Quantitative biomechanical study of fracture repair (rabbits)
 R01AM-16186-02 0001 Inhibition of scars in tendon and nerve injury - Tendon studies (rats)
 R01AM-16186-02 0002 Inhibition of scars in tendon and nerve injury - Nerve studies (rats)
 R01AM-16209-01 Immune complexes in chronic inflammation (rabbits)
 R01AM-16236-03 Evolution of renal ultrastructure and function (rats)
 R01AM-16269-01 Intestinal uptake of macromolecules (rats)
 R01AM-16386-02 Mechanisms of fat and steroid absorption by gut (mammals)
 P01AM-16392-02 0005 Immunologic mechanisms in renal disease in childhood - Immune mechanisms in interstitial and tubular renal disease (human, guinea pigs)
 P01AM-16392-02 0007 Immunologic mechanisms in renal disease in childhood - Complement in renal disease (human, rabbits, chimpanzees, monkeys)
 R01AM-16497-02 0015 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in experimental porphyria (monkeys)
 R01AM-16560-01 Metabolic studies in parenterally fed models (sheep, swine)
 R01AM-16565-02 Pathophysiology of experimental immunologic nephritis (dogs, rats)
 R01AM-16596-01 Hepatic reticulum cells as surgical immune adjuvants (mice)
 R01AM-16703-01 Heat acclimation in Macaca mulatta
 P01AM-16716-01 0001 Pathophysiological bases of muscle diseases - Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters)
 ** P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
 R01AM-16739-02 Pathogenesis of hepatic coma
 R01AM-16747-01 Blood brain barrier and carbohydrate metabolism (dogs, rabbits)
 R01AM-16894-02 Immunopathology of cartilage proteoglycans (human, rabbits)
 R01AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
 R01AM-17106-01 Stimulation of fracture healing by direct current (dogs)
- R01AM-17276-01 Gastrointestinal lymphoid cell functions (mice)
 R01AM-17344-04 Renal ion transport-Fixed-charge membrane model (beads)
 R01AM-17360-01 Liver pathology in experimental porphyria (rats, chick embryo)
 R01AM-17360-01 Atherosclerosis therapy and cholelithiasis (monkeys, human)
 R01AM-17374-02 Manganese-induced model of hepatic disease (rats)
 ** R01AM-17388-02 Immunologic studies in glomerulonephritis (human, rabbits)
 R01AM-17482-01 Effect of joint motion on articular cartilage (dogs)
 R01AM-17523-01 Gastrointestinal tract in control of sodium excretion (rabbits)
 R01AM-17550-01 Nutritional (manganese) deficiency and lysosomal function (chickens)
 R01AM-17581-01 Studies of pancreas transplantation (rats, hamsters)
 R01AM-17641-01 Comparative study of renal cystic diseases in rats
 ** P17AM-17702-01 0012 Hepatitis cirrhosis center - Animal models (mammals, poultry, marine species)
 ** R01AM-42227-00 Evaluation of chelating agents in treatment of Cooley's anemia (dogs)
 R01CA-02662-19 Investigations on teratocarcinogenesis (mice)
 R01CA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
 P01CA-05388-15 0002 Biology of mammary neoplasia - Non-viral mammary cancer (mice)
 R01CA-05672-13 Drug resistance in mouse cells cultured in vitro
 P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
 R01CA-05949-13 Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice)
 M R01CA-05985-13 Stages of carcinogenesis of the cervix uteri in mice
 R01CA-06081-13 0008 Ultrastructural pathology - Experimental malignant lymphoma studies (Guinea pigs, mice)
 P02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
 P02CA-06973-12 0027 Integrated clinical cancer research program - Cell biology-normal and neoplastic cells (mice)
 R01CA-07340-11 0003 Coenzymes containing purine and pyrimidine analogs - Human enzymes and purine metabolism
 P01CA-07368-11 0004 Interrelationships of normal and cancer cells - Electrophysiologic studies with electrodes (human, monkeys)
 P01CA-07368-11 0006 Interrelationships of normal and cancer cells - Model systems (human, rats, mice)
 R01CA-08231-10 0005 Radiobiology research program - Model for origin of somatic mutations in Tradescantia
 P02CA-08341-09 0024 Clinical pharmacology and cancer chemotherapy - Granulocyte kinetics (human, dogs)
 R01CA-08515-09 Tissue culture studies of the mammary tumor virus (human, mice)
 P01CA-08748-09 5118 Research program of Sloan-Kettering Institute - Optimization of cell cycle specific drug treatment
 P01CA-08748-09 5550 Research program of Sloan-Kettering Institute - Rediffusion of oxygen in thin bacterial layer
 P01CA-08748-09 5920 Research program of Sloan-Kettering Institute - Bladder tumors-Influence of dietary factors (rats)
 P01CA-08748-09 5922 Research program of Sloan-Kettering Institute - Kidney tumors-Influence of dietary factors (rats)
 P01CA-08748-09 6312 Research program of Sloan-Kettering Institute - Dose-response curves of skin lesions to electron beam radiation (human)
 P02CA-08832-08 0143 An integrated study of advanced malignant diseases - Model systems for in vitro immunization for immunotherapy
 R01CA-10055-08 Interaction of viruses with host chromosomes
 R01CA-10130-09 Catalase isozymes in normal and neoplastic tissues (human, quails)
 R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
 R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
 ** R01CA-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
 R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
 P01CA-10815-06 0050 Consolidated basic cancer research program - Protein initiation in reovirus mRNA (human cells)
 P01CA-10815-06 0054 Consolidated basic cancer research program - Growth, differentiation and tumorigenesis of neuronal elements (mice)
 R01CA-11050-07 0013 Molecular pharmacology of the cell cycle - Cancer chemotherapy models
 P02CA-11051-06 0030 Clinical radiation research center - Experimental radiation arthritis (rats)

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P02CA-11051-06 0032 Clinical radiation research center - Mouse model of Hodgkins disease
 P02CA-11051-06 0055 Clinical radiation research center - Oxygen tension in tumors (hamsters)
 P02CA-11051-06 0056 Clinical radiation research center - Fractionated irradiation on viability and generation time of L1210 cells (mice)
 P02CA-11067-05 0013 Clinical cancer research center - Brain tumor chemotherapy (human, rats)
 R10CA-11083-07 Eastern cooperative oncology group (human)
 P01CA-11405-06 0004 Core program on etiology of cancer - Pathway of MTV from intestine to mammary gland (mice)
 P01CA-11405-06 0014 Core program on etiology of cancer - Biochemical mechanism of virus induced chromosome breaks (human)
 R01CA-11898-04 Brain tumors-Virological and immunological studies (hamsters, rabbits)
 R01CA-12055-03 EB virus (monkeys)
 P02CA-12197-03 0001 Multidisciplinary oncology research center - Ultrasonic effects upon normal and neoplastic tissue (mammals nonhuman)
 P02CA-12197-03 0021 Multidisciplinary oncology research center - Drug research laboratories objectives and requirements
 R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
 R01CA-12389-04 Immunologic studies of gastrointestinal cancer (human)
 ** R01CA-12473-03 Model system for the study of tumor associated antigen (rats, guinea pigs)
 R01CA-12523-03 Detection and treatment of model choroidal melanoma (humans, rabbits)
 P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
 P01CA-12708-03 0008 Studies of normal and malignant growth - Membrane structural alterations in response to catecholamines (mammals)
 R01CA-12764-03 Selective inhibitors of cancer metastasis (mice, rats)
 R01CA-12850-03 Retinal cells in tissue culture (human, rabbits, rodents)
 ** P01CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
 ** R01CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
 ** P02CA-13053-03 0033 Clinical cancer radiation therapy research center - AKR-lymphoma model of childhood acute lymphoblastic leukemia
 ** P02CA-13053-03 0043 Clinical cancer radiation therapy research center - Use of in vitro colonies as a model for solid tumors (human, mice, hamsters)
 ** P02CA-13053-03 0044 Clinical cancer radiation therapy research center - Control mechanisms governing megakaryocytopoiesis and thrombocytopoiesis
 R01CA-13070-03 Active immunity to human and experimental brain tumors (hamsters)
 ** R01CA-13107-03 Macroregulation-A model for cancer (Neurospora)
 R01CA-13127-03 Effects of intracavitary irradiation with CF-252 (swine)
 P02CA-13148-03 0009 Pilot cancer center - Effects of heat on cancer
 P02CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
 ** P02CA-13148-03 0057 Pilot cancer center - Lymphoid leukemia model of malignancy (chickens)
 P02CA-13148-03 0060 Pilot cancer center - Immunoglobulin A in developing chicks
 ** R01CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
 R01CA-13366-02 Evaluation of tumor antigen-detection systems (rats, rabbits, goats)
 R01CA-13377-02 Immunological prevention of leukemia induction (mice)
 R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
 ** R01CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)
 R01CA-13599-04 Relation of immune reactions to cutaneous neoplasia (human, rats)
 R01CA-13628-02 Pathogenesis of virus (bovine) induced lymphosarcoma (sheep, cattle)
 P02CA-13696-02 0022 Clinical cancer research center - Tumorigenesis in primate ovaries and testes
 R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
 R01CA-13986-01 Immunologic prevention of chemically-induced cancer (rats)
 P01CA-14043-01 0012 Radiation therapy clinical and research center - Tumor model for evaluating dose-time relationships
 R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
 P01CA-14089-01 0062 Pilot multidisciplinary cancer research program - Advanced therapeutics
 ** R01CA-14100-02 The viral etiology of cancer (mice, rats)
 R26CA-14140-02 Administration of the National Colorectal Cancer Project
 ** P01CA-14193-02 0007 Comparative leukemia studies unit - Bovine leukemia herds for research
 ** P01CA-14195-01 0020 Core grant-Regulation, the cell membrane and cancer - Characterization of neurological tumors in mice and rats
 R01CA-14318-01 Lysophospholipid metabolism of neoplasias (tissue culture)
 ** R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
 R01CA-14532-01 Pathophysiology of leukemia in guinea pigs
 P01CA-14599-01 0011 University of Chicago Cancer Research Center - DNA metabolism and DNA binding proteins of yeast meiosis
 ** P01CA-14599-01 0016 University of Chicago Cancer Research Center - Development and aging of canine prostate-Induction of prostatic carcinoma
 P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
 ** P01CA-14599-01 0039 University of Chicago Cancer Research Center - CNS carcinogenesis and development of animal models (rats, mice)
 R01CA-14656-02 Polynes as antitumor agents (mice)
 R01CA-14697-02 Specific anti-tumor activity by 'armed' lymphoid cells (mice)
 P01CA-14723-02 0004 Experimental cancer immunology - Non-specific augmentation of tumor-specific immunity (rats, mice, hamsters)
 R01CA-14888-01 Herpes genitalis in the adolescent vs mature monkey
 R01CA-14894-01 Drugs preventing oncorna virus cancers-Arthrycyclois
 ** R01CA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
 R01CA-15010-01 Bioassay-in vitro models of human chemo-oncogenesis (human, rodents)
 ** R26CA-15033-02 Hamster model for human bladder cancer
 R01CA-15038-01 Interaction of DNA tumor viruses and cell genomes
 R01CA-15064-01 Immunochemical studies on carcinogenic myxomatosis (rodents)
 R01CA-15093-01 Brain tumor chemotherapy screening model (human, rats)
 R01CA-15095-01 Cocarcinogenic agents in chemical carcinogenesis (mice)
 P02CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)
 R01CA-15233-01 An in vitro model of carcinogenesis of pancreas (organ culture)
 R01CA-15260-01 Carcinogen metabolism by host intestinal bacteria (rats)
 R01CA-15277-01 immunocompetent cells in experimental leukemia (mice)
 R01CA-15334-01 Cellular mechanism in tumor-specific immunity (mice)
 R01CA-15372-01 Immunotherapy of cancer with lymphoid extracts (human)
 P01CA-15396-01 Bone marrow transplantation program in human disease
 ** R26CA-15405-01 Transmissible murine colonic hyperplasia
 R01CA-15420-01 Aging, immunity and cancer (rats)
 R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
 R26CA-15436-01 Test systems for drugs against prostatic cancer (rats, dogs, baboons)
 R10CA-15485-01 Eastern Cooperative Oncology Group
 R01CA-15557-01 Immunological activation of oncogenic virus (mice)
 ** R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
 ** P01CA-15655-01 0001 Cancer center support grant - immunological model of Marek's disease (chickens)
 P01CA-15655-01 0009 Cancer center support grant - Genetic studies in cancer (human, animals)
 ** P01CA-15655-01 0010 Cancer center support grant - Metal carcinogenesis in model plant systems
 P02CA-15688-01 0002 Program in medical oncology - Control of normal hematopoiesis (human, laboratory animals)
 P02CA-15688-01 0018 Program in medical oncology - Interaction of chemotherapeutic agents (mice)
 P02CA-15688-01 0019 Program in medical oncology - Interacting effects of anticancer and other drugs (mice)
 R01CA-15691-01 Immunotherapy in lung carcinoma with autologous tumor (mice, human)
 R01CA-15722-01 Viral genes in malignant transformation
 R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
 R01CA-15811-01 Host resistant to cancer (human, mice)
 P01CA-15820-01 Comparative Oncology Research Program
 M P01CA-15822-01 0007 Immunobiology of normal and neoplastic lymphocytes - Surface receptors on human lymphocytes
 P01CA-15823-01 0001 Program in developmental biology of cancer - Developmental studies of transformed cells
 R01CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)
 ** R01CA-15960-01 Immunotherapy of mammary tumors (mice)
 R01CA-15988-01 Immune surveillance and cancer (mice)
 P01CA-16127-01 0011 Cancer Research and Treatment Center Program - Tumor-associated antigens in immunity and enhancement (mice)
 R01CA-16153-01 Basic approach to improved antifolate cancer therapy
 ** R01CA-16201-01 Lung cancer model for surgical research (dogs)
 R26CA-16276-01 National program for pancreatic cancer
 R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
 R01CA-16342-81 Immunoprophylaxis and immunotherapy of lung cancer
 R01CA-16357-81 Prevention of death from radio-er-chemotherapy (mice)
 ** R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)
 R26CA-16765-81 Biochemical mechanisms in experimental bladder cancer (rats, rabbits)
 R01CA-16882-04 Induction and characterization of enhancing antibody (mice)
 R01CA-16972-81 Schistosomiasis-I Biology of Schistosoma haematobium (primates, mollusks)
 M01CB-02208-04 Pre-clinical studies on tumor protective activity of MER (mice, guinea pigs)
 ** M01CB-43064-00 Immunotherapy-Animal models to evaluate therapy with neuraminidase
 M01CB-43065-00 Immunotherapy-Animal models for neuraminidase therapy evaluation
 M01CB-43882-00 Antibodies to carcinoma in experimental animals
 M01CB-43891-00 Animal models for circulating tumor associated antigens (Holtzman rats)
 M01CB-43914-00 Predictable transplantable mammary tumor model (animals)
 M01CB-43949-00 Subcellular fraction in immunotherapy-Tumor specific immunity with RNA
 M01CM-43718-00 Development of an in vivo method for the precise enumeration of tumor cells
 ** M01CM-43736-00 Model system development and agent collection (mice)
 ** M01CP-12148-03 Develop lung tumor model with large wild hamsters
 M01CP-22020-04 Cell biology facilities and tumor immunology (human, mammals nonhuman)
 M01CP-22063-03 Preparation and examination of experimental biological material (rats)
 M01CP-23234-02 Development of a tissue culture transformation system (rats)
 ** M01CP-33205-01 Study Marek's disease Herpes virus
 ** M01CP-33287-01 Definition of sensitivity of carcinogenesis bioassay systems (mice)
 ** M01CP-43317-00 Definition of sensitivity of carcinogenesis bioassay systems (mice)
 M01CP-45617-00 Partial support for the institute of laboratory animal resources
 R01DA-00123-03 Drug preference and multiple addiction in the primate
 ** P01DA-00250-83 0009 Research center-Studies of drug dependence and abuse - Mechanisms underlying cardiovascular effects of marijuana (human, dogs)
 ** P01DA-00250-83 0011 Research center-Studies of drug dependence and abuse - Animal models of drug dependence (monkeys)
 P01DA-00250-83 0014 Research center-Studies of drug dependence and abuse - Psychotropic drugs and chromosomal aberrations (rabbits)
 P01DA-00266-03 0005 Johns Hopkins drug abuse research center - Behavioral pharmacology of narcotics antagonists (primates)
 R01DA-00322-01 Physical dependence on barbiturates (mice)
 R01DA-00991-01 Chronic cardiovascular effects of marijuana (dogs)
 R01DA-01022-01 Experimental alteration of sedative/stimulant abuse (human)
 P01DE-01648-12 0001 Basic studies on periodontal disease - Effect of traumatic injury on marginal periodontitis (monkeys)
 P01DE-01648-12 0002 Basic studies on periodontal disease - Treatment of periodontal pockets in Rhesus monkeys
 R01DE-02103-10 0020 Inductive substrates for tooth and bone formation - Is osteopetrosis a disorder of bone morphogenic matrix (mice, human)
 R01DE-02152-09 0014 Dental physiology and biophysics - Analgesics and pulpal pain (mammals)
 P01DE-02552-08 0003 Microbial pathogenesis of human dental caries - Biochemistry (Streptococci, hamsters)
 P13DE-02623-08 0020 Center for oral health research - Secretary antibody response
 R01DE-02739-05 Experimental study of etiology of dental malocclusion (monkeys)
 P01DE-02847-06 0007 Microbial ecology and its relation to dental disease - Bacteria associated with human root carious lesions (also laboratory animals)
 P01DE-02847-06 0010 Microbial ecology and its relation to dental disease - Pathogenic potential of human oral bacteria (rodents)
 ** P01DE-02847-06 0011 Microbial ecology and its relation to dental disease - Animal model of bacterial implantation, transmission in the oral cavity (rodents)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

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- PO1DE-02918-06 0004 Oral-facial growth and development in primates - Production and treatment of cleft lip and palate (M mulatta)
- RO1DE-03041-03 immunologic factors in oral disease (rats)
- RO1DE-03318-03 Biochemistry of surgically wounded palatal mucosa (rats, human)
- RO1DE-03565-01 Oral carcinogenic actions of betel nut and tobacco
- RO1DE-03674-01 Data processing applied to ecology of oral flora
- RO1DE-03709-01 Root formation in lower vertebrate tooth transplants
- RO1DE-03723-02 Model of hypersensitivity induced periodontal disease (monkeys)
- RO1DE-03751-01 Bacterial cell walls in periodontal disease (human, rats)
- ** RO1DE-03796-03 Stomatitis differentiation in Aurelia (jellyfish)
- RO1DE-03844-01 Subgingival plaque inhibition and periodontal healing
- R23DE-03859-01 Experimental allergic sialadenitis (rats)
- RO1DE-03861-01 Regulation of collagen biosynthesis (tissue culture)
- R23DE-03909-01 Ultrastructure of mucous secreting salivary glands
- RO1DE-03927-01 Experimental studies on orofacial development (baboons, monkeys)
- RO1DE-03929-01 Role of local factors on bone in periodontal disease (rabbits)
- NO1DE-04241-00 Nutrition on the epithelium of oral mucous membranes (primates)
- ** PO1ES-00054-10 0014 Environmental impact of chlorinated hydrocarbons - Biological effects of chlorinated hydrocarbons in birds and rodents
- ** PO1ES-00054-10 0016 Environmental impact of chlorinated hydrocarbons - Chemico-biological interactions in the Rhesus monkey
- PO1ES-00260-12 0020 Research in the environmental health sciences - Lead poisoning (baboons)
- RO1ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- ** PO1ES-00269-08 0002 Biological effects of environmental radiation - Photochemistry of photoactive agents (rats, human)
- ** PO1ES-00269-08 0003 Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
- PO1ES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)
- PO1ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
- PO1ES-00454-06 0023 Biological effects of environmental agents - Mutagens, carcinogens, nucleic acids and cell transformation (bomsters)
- ** RO1ES-00552-01 Mouse populations as test systems in toxicology
- PO1ES-00734-03 Environmental quality-Effects on disease processes
- RO1ES-00743-03 Mechanisms of enzymatic dechlorination (rats, human)
- RO1ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
- RO1ES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
- RO1ES-00803-03 Cellular response to environmental stress (slime molds)
- PO1ES-00842-02 0005 Chronic obstructive lung disease - Vitamins E and A in pathogenesis of nitrogen dioxide induced lung disease (rats)
- RO1ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
- RO1ES-00872-01 Respiratory tract irritants-Densitization (rabbits, rodents)
- ** PO1EY-00299-09 0020 Neurophysiology of the visual apparatus - Model of eye movement control
- RO1EY-00344-07 Ocular hypersensitivity (rabbits)
- ** RO1EY-00669-03 Experimental allergic uveitis and autoimmune disease (guinea pigs)
- RO1EY-00812-10 Prevention of trachoma and infectious diseases (human, guinea pigs, monkeys)
- ** RO1EY-00917-03 An avian model for the comparative study of cataracts (quail)
- RO1EY-00919-03 Pathogenesis of ocular toxocarasis (mice, rabbits)
- RO1EY-01066-02 Candida albicans hematogenous endophthalmitis (rabbits)
- RO1EY-01177-02 Conformational dynamics of excitable membranes
- ** PO1EY-01186-02 0005 The visual science research center grant - Clinical and experimental glaucoma (rabbits, monkeys)
- RO1EY-01204-01 Ocular toxoplasmosis (human, rabbit)
- RO1EY-01309-01 Pathogenesis of experimental allergic uveitis
- ** RO1FD-00203-04 Clostridium perfringens food poisoning (rabbits, mice, guinea pigs)
- RO1GM-04761-18 Metabolism of polysaccharides (human, rabbits)
- RO1GM-08209-11 Biophysical basis for thresholds in bio-ultrasound
- RO1GM-08710-13 Sequence of amine acids in proteins by computer aids
- PO1GM-09069-12 0001 Research in anesthesiology - Respiratory distress syndrome in newborn lambs
- RO1GM-09933-12 Ultrasonics and dielectrics of biomaterial (plants, cattle, chickens, bacteria)
- ** PO1GM-11301-12 0009 Structure, function and biosynthesis of macromolecules - Molecular and cellular mechanisms of morphogenesis
- RO1GM-11741-09 Primary redox changes in photosynthesis (bacteria)
- RO1GM-12633-11 Enzyme mechanisms and enzyme inhibitors (rats)
- P11GM-12675-10 0025 Biochemical toxicology and pharmacology - Role of drug metabolism in the toxicity of glutathimide (human, dogs, rodents)
- P11GM-12675-10 0044 Biochemical toxicology and pharmacology - Porphyrins-Regulation by substrates for glycine N-acylase
- RO1GM-14033-08 Control mechanisms in gluconeogenesis (tetrahymena, rats, ground squirrels)
- ** RO1GM-14789-06 Computer solutions of complex models in biology
- RO1GM-14971-08 Biomolecular (bilayer) lipid membranes in aqueous media
- P11GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
- ** PO1GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CMS (human, macacca, mice)
- PO1GM-15253-08 0029 Genetics in medicine-Gene action in man - Search for thalassemia-like syndromes in nonhuman primates
- PO1GM-15253-08 0040 Genetics in medicine-Gene action in man - Relationship of immune phenomena to chromosome errors (human, animals)
- PO1GM-15423-07 0017 Molecular basis of control mechanisms - Dinitroside spin labels
- PO1GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
- P11GM-15431-08 0043 Research center for clinical pharmacology and drug toxicology - The influence of hepatic blood flow on drug disposition (rats, monkeys, human)
- ** P11GM-15759-08 0031 Clinical pharmacology in rheumatic and muscular diseases - Ouonate inhibition of uricase in rats-Experimental model for gouty nephropathy
- ** P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
- P11GM-15759-08 0038 Clinical pharmacology in rheumatic and muscular diseases - Serologic abnormalities associated with L-dopa therapy (rabbits)
- PO1GM-15768-06 0001 Sequence of organ failures following trauma - Basic laboratory investigation (mammals nonhuman, human)
- P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
- PO1GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
- PO1GM-16496-06 0020 Clinical pharmacology-Pharmacokinetics - Gastrointestinal absorption studies (primates)
- PO1GM-16496-06 0042 Clinical pharmacology-Pharmacokinetics - Hemodynamic and pharmacologic studies in the primate laboratory
- ** PO1GM-16496-06 0053 Clinical pharmacology-Pharmacokinetics - Spleen-colony assay system for bone marrow and leukemia stem cells (mice)
- RO1GM-16620-06 Gamma ray effects on D discoidium
- PO1GM-16934-06 0014 Sulfonamides and carbonic anhydrase-Basis for therapy - Salicylate intoxication-Treatment by benzolamide (mice)
- ** RO1GM-18476-03 Developmental genetics of cellular slime molds
- RO1GM-18640-03 Mechanism of pinocytosis (amoeba)
- PO1GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)
- PO1GM-18674-03 0009 Diagnostic radiology research and training center - Model of chronic mitral regurgitation (dogs)
- PO1GM-19100-03 0015 Genetics research center - Developmental genetics (mice)
- PO1GM-19100-03 0027 Genetics research center - Somatic cell genetics (mice, hamsters, chickens, human)
- RO1GM-19195-02 RNA sequence analysis and base-specific antibodies
- RO1GM-19241-03 Developmental genetics of the dog
- RO1GM-19322-03 Release of injurious constituents from cells (rabbits, human)
- RO1GM-19390-03 Biochemistry of a response system of Phycocyanes
- ** PO1GM-19513-03 0017 Human genetics - Fish-hybrid melanoma control, a cancer genetics model (platyfish, swordtail)
- RO1GM-19673-02 RNA polymerase in bacterial differentiation
- RO1GM-19648-02 Protein variation and selection mechanisms in E coli
- RO1GM-19937-02 Genic/molecular basis of imaginal disc morphogenesis (Drosophila)
- RO1GM-19963-02 Regulation of bacteriophage T4 gene expression (E coli)
- ** RO1GM-20080-02 Photooxidation in model biological systems
- RO1GM-20154-02 Physiological role of water in tissue (rats)
- ** PO1GM-20309-02 0001 Acute trauma study center - Stress ulcer (human, swine, dogs)
- PO1GM-20309-02 0002 Acute trauma study center - Effect of head injury on heart (human, dogs)
- RO1GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
- RO1GM-20910-01 Membrane alterations in behavioral mutants (Paramecium)
- RO1GM-21014-01 Molecular genetics of somatic cell mutation (cell culture, mice)
- PO1GM-21096-01 0001 Enzyme therapy in lysosomal storage diseases - Clinical, animal and cell culture studies of enzyme replacement
- RO1GM-21205-01 Molecular biology of aging fungi as models
- RO1GM-21253-01 Molecular genetics of morphogenic pathways (virus, yeast)
- RO1GM-21326-01 Somatic cell hybrids for studies of human disease
- NO1HB-12410-04 Histocompatibility antigens-poor blood (human, mice)
- NO1HB-22946-03 Studies in sickle cell disease (human)
- NO1HB-42949-00 Ability of stored blood to transport oxygen (rats)
- RO1HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
- PO1HD-00973-11 0083 Research program on retarded intellectual development - Reciprocal impact of developmentally delayed and advanced siblings (rodents)
- PO1HD-00973-11 0084 Research program on retarded intellectual development - Reptiles as models for endocrine dependent exposure learning
- RO1HD-01269-12 Control of metabolism in tetrahymena
- RO1HD-01784-09 Growth patterns and body composition (swine miniature)
- PO1HD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
- PO1HD-01799-09 0012 Mental retardation research center - Synaptic function-subcellular fractionation techniques
- ** PO1HD-02274-08 0012 Mental retardation and child development - Behavioral research (monkeys)
- ** PO1HD-02274-08 0056 Mental retardation and child development - Mechanisms in primary demyelination (mammals)
- PO1HD-02274-08 0062 Mental retardation and child development - Neurophysiology of epileptic foci (cats, sea slugs)
- ** PO1HD-02274-08 0063 Mental retardation and child development - Enzyme studies on epileptic models (human)
- PO1HD-02274-08 0083 Mental retardation and child development - Sudden infant death (rats)
- ** PO1HD-02274-08 0134 Mental retardation and child development - Primate model for genetic susceptibility to abnormal behavior (monkeys)
- ** PO1HD-02274-08 0152 Mental retardation and child development - Enzyme studies on epileptic models
- ** PO1HD-02528-08 0058 Research center in mental retardation - Experimental hyperactive behavior
- PO1HD-02528-08 0061 Research center in mental retardation - Physiology and pharmacology of RAPHE system (mammals)
- ** PO1HD-02528-08 0075 Research center in mental retardation - Molecular bases of mental retardation (rats)
- RO1HD-02581-14 Effects of malnutrition in early life (rats, swine)
- PO1HD-03298-13 0014 Developmental pathology - Animal cytogenetics (mammals)
- PO1HD-03352-07 0016 Wisconsin center on mental retardation - Inhibition of beta-galactosidase by beta-galactal (rats)
- PO1HD-03693-06 0007 Pathogenesis of chronic infections - Bacterial models of chronic disease
- R22HD-03741-12 Infant malnutrition (human, rats, swine)
- RO1HD-03783-06 0002 Pathogenesis of neonatal physiologic jaundice - Plasma protein binding of bilirubin and kernicterus (monkeys, rats)
- RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
- PO1HD-04335-06 Brain-behavior relationships in mental retardation
- RO1HD-04608-06 Amino acid interrelations in human metabolic disease
- PO1HD-04665-04 0006 Metabolic abnormalities in mental retardation - Pathogenesis and prevention of kernicterus (human, mammals nonhuman)
- RO1HD-04667-05 Computer analysis of differentiation (fungi)
- RO1HD-04675-03 Nature of growth in the non-pubescent child

(cont)

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**Oriented significantly to above subject.

|| Grant has subprojects describing specific research aspects.

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See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-04839-05 0009 Metabolism of drug substrates by human placenta - Mechanisms of oxidation-reduction reactions in tissue-free models (human)
 P01HD-04872-04 0007 Metabolism and aging - Free cholesterol in atherosclerosis and xanthomas (rabbits, *Macaca mulatta*)
 P01HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
 R01HD-05204-04 Maintenance and the nervous system (rats)
 P01HD-05221-05 0032 Center grant in mental retardation - Division of inborn errors of metabolism (rats)
 ** R01HD-05285-03 Experimental phenylketonuria (rats)
 P01HD-05342-04 0002 Mental retardation and brain development - Hyperaminoacidemia nutrition and myelin deposition (rats)
 ** P01HD-05342-04 0018 Mental retardation and brain development - Lipid and mucopolysaccharide storage diseases, animal model (rat)
 ** R01HD-05387-04 Comparative study on the feto-placental unit (sheep)
 R01HD-05443-03 Circulatory and cellular studies in rused fetal sheep
 P01HD-05671-03 0044 Center for population research - Occurrence of experimental autoimmune oophoritis (rats)
 R01HD-05804-04 Meiosis and reproduction (*Chlamydomonas reinhardtii*)
 P01HD-05875-04 0003 Aging mechanisms of in vitro human cell systems - Methods of cell culture (WI-38)
 ** R01HD-05902-04 Aging in monkeys
 P01HD-05958-03 0006 Neuropsychology and neurophysiology in mental retardation - Human and animal vigilance
 P01HD-05961-03 0001 Human and mammalian development - Developmental defects of intracellular B6 deficiency (rats)
 P01HD-05961-03 0005 Human and mammalian development - Metabolism of achondroplastic cartilage cells (rabbits, human)
 R01HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
 R01HD-06201-03 Lung maturation, hormonal and other influences (human, rats, rabbits)
 P01HD-06276-03 0040 Mental retardation research program - Neurophysiology of induced amblyopia exanopsia in kittens
 P01HD-06276-03 0050 Mental retardation research program - Effects of irradiation upon myelinating telencephalon (rats)
 P01HD-06276-03 0061 Mental retardation research program - CSF during meningitis (rabbits, rats)
 ** P01HD-06276-03 0085 Mental retardation research program - Susceptibility of neonatal felino telencephalic white matter to endotoxin
 R01HD-06334-03 Regulation of neonatal serum bilirubin concentration (human, rats, dogs)
 M R01HD-06353-03 Inherited metabolic disorders
 M P01HD-06644-03 Aging in a nematode model system
 R01HD-06734-03 Functional cytology of placenta and fetal membranes (human, rodents)
 ** R01HD-06754-02 A fetal-maternal model system (dormouse)
 R01HD-07276-01 Chemosensitive systems in sudden infant death (lambs, piglets)
 ** P01HD-07328-01 0004 Experimental and theoretical studies of cell senescence - Artificial membranes (*Ameba* cell components)
 R01HD-07351-02 Determinants of sexual performance in the rat
 ** R01HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)
 R01HD-07499-01 Neuroendocrine control of LH release in the hamster
 R01HD-07559-01 Group B streptococci in perinatal disease (human, rats, rabbits)
 ** R01HD-07770-01 Animal model for mental deficiency (ferret)
 R01HD-07850-01 Development of immediate hypersensitivity (human, rats)
 R01HD-07895-01 Consequence of in utero treatment (rats)
 R01HD-08124-01 Blood substitute and circulation (sheep)
 R01HD-08210-01 Vitamin E-New bioassay, new effects, new compound (rotifers)
 R01HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
 P01HD-08338-01 0008 Control of male reproduction - Biosynthesis and 5-alpha reduction of androgens in marmoset testes
 R01HD-08346-01 CNS teratology and mental deficiency (ferrets, rats)
 R01HD-08415-01 T-lymphocytes from precursor cells in vitro (mice)
 M R01HD-08432-01 Parenteral nutrition in newborn animals
 R01HD-08633-01 Prematurity in primates-Cause, effects, prevention
 P01HD-08658-01 0010 Developmental neurobiology in primates - Experimental malformations of the central nervous system (nonhuman primates)
 R01HD-12232-03 Model to study inhibition of LH action (human, rats)
 R01HD-12237-03 Device and technique for blocking the fallopian tubes (rabbits, monkeys)
 R01HD-42847-00 Dynamics of sperm transport through the human cervical canal
 R01HL-42903-00 Pura-blooded fox hounds on normal and atherogenic diets
 R01HL-01803-20 0005 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Immunologic and dietary synergy in atherosclerosis and its regression (rabbits)
 R01HL-01803-20 0009 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Induction of hypertension by foreign serum protein (rabbits, horses, cattle)
 R01HL-01803-20 0012 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Inheritance of abnormal lipoprotein patterns (rabbits)
 R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
 ** R01HL-03181-17 0002 Hemodynamics as applied to surgical problems - Aortic coarction (dogs)
 R01HL-03181-17 0022 Hemodynamics as applied to surgical problems - Experimental fat embolism (dogs)
 R01HL-03181-17 0023 Hemodynamics as applied to surgical problems - Intravascular coagulation (dogs)
 P01HL-04885-15 0001 Comparative cardiovascular studies - Arterial hypertension in dogs
 P01HL-04885-15 0002 Comparative cardiovascular studies - Inheritance and linkage in congenital heart disease (dogs)
 P01HL-05435-14 0031 Cardiovascular research and training program - Vivarium (mammals)
 P01HL-06314-14 0046 Immunologic mechanisms in cardiovascular disease - Mediators of immune injury (human, animals)
 R01HL-07028-12 Surgical approach to acute coronary thrombosis (dogs)
 R01HL-07835-13 Renal circulation and experimental hypertension (rats, rabbits)
 P01HL-08203-12 0003 Renal hemotransplantation in man - Hepatic transplantation (human, dogs)
 R01HL-08325-10 Evaluation of intracardiac prosthesis (human, dogs)
 R01HL-08929-10 0004 Surgical vascular disorders - Role of platelets in thrombosis (human, dogs)
 R01HL-09203-10 Pathogenesis of pulmonary thromboembolic disease (human, rabbits, cats)
 R01HL-09234-10 Amino acids of contractile proteins of failing hearts (dogs, hamsters)
 P01HL-09251-10 0007 Implantable artificial circulatory pumping systems - Fundamental studies in fluid mechanics and transport processes (models)
 R01HL-09489-09 0003 Myocardial lipid metabolism and regulation - Adult cardiac cell viability and contractility
 R01HL-10914-08 Renal sodium transport in experimental aldosteronism (dogs)
 R01HL-10933-09 Fat metabolism and experimental atherosclerosis (rabbits, rats)
 R01HL-10941-08 Pathogenesis of hepatic veno-occlusive disease (monkeys, rats)
 R01HL-11015-07 Renin and angiotensin in hypertension and renal disease (rabbits, rats, human)
 R01HL-11668-07 0008 Cineangiographic studies of the cardiovascular system - Renovascular response to vasoconstrictors and vasodilators in oliguric dog
 R01HL-11668-07 0020 Cineangiographic studies of the cardiovascular system - Mediators of acute renal failure (dogs)
 R01HL-11901-07 0010 Ileal bypass effect on cholesterol and atherosclerosis - Isolated heart rabbit study
 R01HL-12038-07 Vascular responses to heat (cats, sheep)
 ** P01HL-12157-07 0027 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Active Na and K transport (guinea pigs)
 ** P01HL-12157-07 0029 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Anion permeability (fish, shrimp, sheep)
 P01HL-12157-07 0030 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Structure and cation selectivity of ionophores
 ** P01HL-12157-07 0031 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Aromatic anion effects on ion selectivity
 R01HL-12650-06 Environmental pathobiology of the lung (rodents)
 R01HL-12869-05 Arterial metabolism, diabetes and atherogenesis (hamsters, mice, rats, human)
 ** R01HL-12980-05 Flow in collapsible tubes and airway compression
 R01HL-13145-04 Von Willebrand's disease (swine)
 R01HL-13172-05 Post-trauma mechanics and pulmonary hypertension (human, dogs, monkeys)
 ** P01HL-13480-04 0002 Cardiac electrophysiology - Development of isolated heart preparation for electrocardiography research (dogs)
 P01HL-13480-04 0019 Cardiac electrophysiology - Pacemaker calls of abdominal ganglion (aphysia)
 R01HL-13704-02 Closed-chest left heart bypass without heparin (sheep)
 ** P01HL-13737-04 0009 Assisted circulation - Portable driving unit for permanent assist devices (human)
 R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
 R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
 R01HL-13853-15 Fractionation of Nicholson-Krovin tissue suspensions (human, mice)
 R01HL-13872-16 0009 Body composition and metabolic care in surgery - Circadian rhythms (squirrel monkeys)
 R01HL-13913-06 Experimental model for hereditary hydronephrosis (rats)
 R01HL-13920-03 Expanding the role of surgery of atrial dysrhythmias (dogs)
 R01HL-14117-03 Mechanism of heart failure (Syrian hamsters)
 ** P17HL-14152-04 0017 Pulmonary specialized center of research - Animal model of pulmonary obstructive disease (sheep)
 ** P17HL-14159-04 0084 Specialized center of research in hypertension - Mechanisms of experimental hypertension (monkeys, rats, dogs)
 P17HL-14159-04 0007 Specialized center of research in hypertension - Energy conservation in the hearts of spontaneously hypertensive rats
 ** P17HL-14164-04 0006 Arteriosclerosis research center - Animal model development (monkeys)
 ** P17HL-14164-04 0022 Arteriosclerosis research center - Comparative medicine core laboratories (monkeys, pigeons)
 P17HL-14164-04 0023 Arteriosclerosis research center - Core laboratories of biochemistry (monkeys, pigeons)
 P17HL-14177-04 0005 Center for prevention and treatment of atherosclerosis - DNA synthesis in arterial cells in high cholesterol-triglyceride diets (swine)
 P17HL-14177-04 0010 Center for prevention and treatment of atherosclerosis - Atherosclerosis and complications produced by injury and hyperlipemic diet (swine)
 P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
 P17HL-14194-04 0005 Pathophysiology of atherosclerosis - Isolation of HDL from pig plasma
 ** P17HL-14201-04 0009 Pulmonary disease research center - Experimental pulmonary emphysema (rabbits)
 ** P17HL-14201-04 0023 Pulmonary disease research center - Patients with COPD (also dogs)
 P17HL-14212-04 0003 Correlated studies of pulmonary disease - Pathology and pathogenesis of pulmonary fibrosis (human, rats)
 P17HL-14228-04 0003 Specialized center of research in thrombosis - Rejection in transplantation model (dogs)
 R01HL-14271-02 Physico-chemical properties of tracheal mucus (dogs, frogs)
 R01HL-14294-03 Thermal effects of biomaterials interfaces (dogs)
 R01HL-14361-03 Cadmium, renin-angiotensin and hypertension
 R01HL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, monkeys)
 P01HL-14414-03 0004 Cardiorespiratory performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
 ** R01HL-14521-04 Membrane structure and behavior in erythrocytes (human, cattle)
 R01HL-14530-04 Fluid dynamics of cardiac valvular action (dogs)
 ** R01HL-14588-03 Sympathetic nervous system in renal hypertension (rats)
 R01HL-14808-02 Microcirculation in sickle cell anemia (rats)
 R01HL-14822-03 Regulation of blood flow (fish)
 R01HL-14969-01 Post-traumatic pulmonary insufficiency (dogs)
 ** R01HL-14979-02 Red cell sickling, hemodynamics and pathology (deer, human)
 R01HL-15031-02 Tubular-vascular interactions in the mammalian kidney (rats)
 ** P17HL-15061-03 0010 Response of lung to injury - An animal model system for the study of bronchiolitis and its sequelae (dogs)
 P17HL-15061-03 0013 Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)
 P17HL-15062-03 0010 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein biosynthesis, secretion and degradation (human, monkeys)
 P17HL-15062-03 0015 Study of lipoproteins, artery wall, and atherosclerosis - Myocardial infarcts in atherosclerosis (monkeys)
 P17HL-15063-03 0001 SCOR diffuse infiltrate vs lung disease - Chronic interstitial pneumonia (human, dogs)
 P17HL-15063-03 0005 SCOR diffuse infiltrate vs lung disease - Experimental pulmonary emphysema (rats, human)
 P17HL-15088-03 0001 Diffuse granulomatous and fibrotic pulmonary disease - Effect on the alveolar-arterial oxygen difference (dogs)
 P17HL-15088-03 0003 Diffuse granulomatous and fibrotic pulmonary disease - Blood supply of pulmonary granulomatous tissue (dogs)
 P17HL-15088-03 0004 Diffuse granulomatous and fibrotic pulmonary disease - Type II alveolar cell in lipid exchange and in lung response to granulomas (dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-15068-03 0006 Diffuse granulomatous and fibrotic pulmonary disease - Oxygen tension and oxygen utilization in tissues from diseased lungs (dogs)
- P17HL-15068-03 0007 Diffuse granulomatous and fibrotic pulmonary disease - Performance of the diaphragm in diffuse pulmonary granulomatous disease (dogs)
- P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
- P17HL-15098-03 0004 Special center of research-Environmental lung disease - NO-2 and O-3 effects on cell division in bronchioles and alveoli (monkeys)
- R01HL-15140-01 Lysosomal proteases and chronic obstructive pulmonary disease
- P18HL-15166-03 0003 Comprehensive sickle cell disease center - Production of salmonella osteomyelitis and necrosis of long bones (rats)
- P01HL-15194-02 0004 Pathophysiology of cardiopulmonary dysfunction - Modeling of arrhythmias in animals and single cells (human, dog)
- ** R01HL-15246-01 Lung allotransplantation (baboon)
- ** P17HL-15389-03 0005 Wisconsin Pulmonary Disease Research Center - Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents)
- R01HL-15427-02 Secretion of plasma lipoproteins (rats)
- R01HL-15459-01 Intraventricular balloon cardiac assist (calves)
- R01HL-15504-02 Animal model for studies of averting atherosclerosis (swine)
- ** R01HL-15512-02 Primate model for coronary heart disease (monkeys)
- ** R01HL-15564-01 Flow characteristics in simulated arterial stenosis
- R01HL-15571-02 Water and electrolytes in health and disease (human, rats, fish)
- R01HL-15737-02 The nature and treatment of endotoxic shock (sheep)
- R01HL-15738-02 Subendocardial necrosis during cardiopulmonary bypass (dogs)
- R01HL-15805-02 Cerebral arterial reactivity and spasm (rabbits)
- P01HL-15832-02 0006 Chemical predispositions to lung injury - Elastin and collagen in lung (human, mammals)
- ** P01HL-15833-01 0011 Pharmacologic and physiologic basis of cardiac therapy - Development of an experimental model for myocardial ischemia in the dog heart
- P18HL-15999-02 0019 Miami comprehensive sickle cell center - Fetal-adult hemoglobin switch (hamsters, human, monkeys, mice)
- R01HL-16119-01 Marrow allografts in hereditarily anemic recipients (mice)
- P01HL-16126-01 0005 Atherosclerosis, coagulation and thrombosis - Molecular organization of atherosclerotic lesions (mammals)
- R01HL-16148-01 Neural control of renal function (dogs)
- R01HL-16292-01 0001 Surgery and non-obstructive coronary insufficiency - Ventricular fibrillation during heart-lung bypass-Hypertrophied hearts (dogs)
- R01HL-16292-01 0004 Surgery and non-obstructive coronary insufficiency - Effects of ventricular distention on subendocardial perfusion (dogs)
- R01HL-16490-01 Structural basis of nephron filtration (rats, rabbits)
- R01HL-16550-01 Blood flow during experimental cardiogenic shock (monkeys)
- R01HL-16559-01 0002 Dynamics of lipoprotein structure and atherosclerosis (human) - Animal models (green monkey, miniature pigs)
- ** R01HL-16622-07 Canine resource colony-Coagulation research
- R01HL-16661-01 Risk factors and atherosclerosis in diabetic monkeys
- R01HL-16707-01 Dietary antioxidants and atherosclerosis (rabbits)
- R01HL-16737-01 Microcirculatory aspects of the allograft reaction (rabbits)
- ** P01HL-16769-01 0003 Pathobiologic and host defense reactions in the lung - Pathobiologic mechanisms of delayed sensitivity reactions in the lung (animals)
- R01HL-16775-01 Cystic disease of the kidney (rats)
- R01HL-16787-01 Inborn alpha 1-antitrypsin levels and pulmonary disease resistance (mice)
- ** R23HL-17110-01 Culture of Type II cells isolated on FicolI gradients (rats)
- R23HL-17121-01 Antipain and its relation to experimental emphysema (mammals)
- R23HL-17154-01 Liquid ventilation in newborns with RDS (sheep)
- R23HL-17165-01 Redox state of NAD0 in erythrocytes (human)
- R23HL-17172-01 Ventilatory control and sleep in the premature (monkeys)
- R23HL-17174-01 Cellular interactions in lung resistance to infection (mice)
- ** R23HL-17199-01 Respiratory distress syndrome-An experimental model (rats)
- R23HL-17221-01 Immunocompetent coils of the lung (rats, rabbits, guinea pigs)
- NO1HV-12493-04 Myocardial repair (mammals nonhuman)
- NO1HV-12498-03 Interventions to enhance myocardial repair (mammals nonhuman)
- ** NO1HV-12499-05 Myocardial repair study (rats, minipigs)
- NO1HV-12974-00 Care and use of spontaneously hypertensive rats
- ** NO1HV-92050-10 Develop models of advanced aortic atherosclerosis (miniature swine)
- NO11LM-44718-00 Computer instruction program
- ** P01MH-16674-06 0038 A program of psychiatry-oriented biological research - Effect of amphetamine on primate social perception
- P01MH-16674-06 0040 A program of psychiatry-oriented biological research - Effect of methyl loading of dimethyltryptamine in rabbit
- R01MH-18070-05 Experimental depression induced in infant monkeys
- R01MH-19438-04 0001 Neurochemistry of obesity and learned taste aversions - Hypophysectomy in gold thigluose treated mice (and rats)
- R01MH-21327-03 Psychopharmacologic agents and drug metabolism
- ** R01MH-21892-02 primate models
- R03MH-24346-01 Retroactive facilitation of memory (goldfish)
- R03MH-25252-01 Role of nerve cells in behavior and development (hydra)
- ** R03MH-25319-01 A physiological model of childhood hyperkinesia (rats)
- R03MH-25361-01 Action of amphetamine on cells of the brain (snails)
- M P01MH-25515-01 Collaborative biological research on schizophrenia
- P01MH-25515-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
- ** P01MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)
- R01MS-02567-15 Problems of nerve cell physiology (human, cats, monkeys)
- R01MS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
- R01MS-04618-11 Drug-receptor interactions (animals)
- ** R01MS-05096-11 0010 New amino acid disorders in cerebral disease - Animal model for PKU (primates screening)
- ** R01MS-05096-11 0011 New amine acid disorders in cerebral disease - Arginase deficiency in monkeys
- ** R01MS-05096-11 0012 New amino acid disorders in cerebral disease - Hypoglycin A induced isolaric acidemia and other abnormalities (rats)
- R01MS-05934-09 Basic neural mechanisms (slugs)
- R01MS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- P01MS-06655-09 0005 Cerebrovascular research unit for study of TIA - Cerebrovascular ultrasonics (human)
- R01MS-06756-07 Developmental nervous disorders-Krabbes disease (dogs)
- R01MS-06985-07 Encephalitogenic nature of altered brain preparation (guinea pigs, rats)
- R01MS-07609-07 Integrative mechanisms of cortical neurons (rabbits, frogs)
- R01MS-08059-07 Cyclic phosphodiesterase of central nervous system (human, ferret)
- R01MS-08732-04 Communication during behavior (crickets, gulls)
- R01MS-08853-05 Specific cell interactions in histogenesis of brain (mice, chick embryo)
- P01MS-09287-04 0009 Baylor center for cerebrovascular research - Neurotransmitters in pathogenesis of cerebral ischemia (human, monkeys, gerbils)
- ** R01MS-09569-02 Mod-myopathy-A new hereditary myopathy (mice)
- ** P01MS-09649-04 0012 Research in parkinsonism - Disease models (rats)
- R01MS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- R01MS-09673-01 Fine structure of myelogenesis and myelin disease (dogs)
- ** P01MS-09704-04 0026 Developmental neurology - Models of human perinatal telencephalic leucoencephalopathy (rats)
- R01MS-09738-04 Excitatory effects of barbiturates (cats, frogs, rabbits)
- R01MS-09948-03 Transport of materials by the choroid plexus (cats, rabbits)
- R01MS-09985-03 Isolation and reconstitution of excitable membranes (cattle)
- R01MS-10247-01 Physiological dynamics during speech production (human)
- R01MS-10265-02 Familial ataxia (cats)
- R01MS-10309-02 Masked and latent viruses in brain (human, monkeys)
- R01MS-10409-01 Behavioral role of the cerebellum (rats)
- R01MS-10473-03 0003 Brain lipids in diffuse demyelinating disease - Cholesterol metabolism and cerebrotendinous xanthomatosis (human, rats)
- R01MS-10648-02 Experimental neuropathology in tissue culture
- R01MS-10803-03 Experimental pathology of developing nervous system (rodents)
- P01MS-10828-01 0003 An interdepartmental stroke program - Cerebral hemodynamics using an animal model (cats, monkeys)
- R01MS-10843-01 Detection and recognition in audition and vision
- P01MS-10920-02 0013 Development and regeneration in the nervous system - Disorders of cerebellar development (mice)
- ** P01MS-10920-02 0014 Development and regeneration in the nervous system - Disorders of neuronal development (cats)
- ** R01MS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
- ** R01MS-10967-02 Human gangliosidosis (cats)
- R01MS-11129-02 Morphology of chronic viral infections of the brain (human, monkeys, hamsters)
- P01MS-11132-01 0002 Neural basis of effects produced by spinal cord damage - Posttraumatic hyperreflexia (frogs)
- R01MS-11170-02 Mechanism of action of peptide neurotransmitter model (Hydra)
- R01MS-11171-02 Mechanism of action of peptide neurotransmitter model (Hydra)
- R01MS-11186-01 Regional cerebral metabolism and blood flow (primates)
- R01MS-11238-01 Manganese-A model for lysosomal storage diseases
- P01MS-11255-01 0005 Comparative neurobiology (aphysia, fish, sea lions) - Neuronal and glial tissue culture models of intracellular communication
- P01MS-11255-01 0006 Comparative neurobiology (aphysia, fish, sea lions) - Mechanism of action of PMPEA on the vertebrate spinal cord
- P01MS-11255-01 0008 Comparative neurobiology (aphysia, fish, sea lions) - Neural adaptations for diving in mammals
- R01MS-11277-01 Pathogenesis of nutritional brain injury (chickens)
- R01MS-11323-01 Purified acetylcholine receptor
- P01MS-11417-01 0001 Core program project in communicative disorders - Presbycusis and age-related changes of audiovestibular system (rats, human)
- R01MS-11452-01 Mechanism of chemoreception
- R01MS-11539-01 Experimental cervical myelopathy (dogs)
- P01MS-11642-01 0011 Basic and clinical neuroendocrinology - Monoamine distribution and neuroendocrine function (animals)
- R01MS-11676-01 Time dependent phenomena in claimed excitable membranes
- R01MS-11822-01 Metabolism and inhibition of lysine in brain (rats)
- ** R02HU-00455-02 Experimental trials of the nursing process (dogs)
- R01OH-00355-03 Interaction of coal dust with essential metals (rats)
- R01OH-00398-01 Pathogenesis of allergic pulmonary aspergillosis (human, monkeys, rodents)
- ** MO1RR-00051-13 0154 General clinical research center - Some metabolites of contraceptive steroids (human, dogs, monkeys)
- MO1RR-00088-11 0044 General clinical research center - Transport properties of blood vessel walls (rabbits)
- MO1RR-00133-10 0067 General clinical research center - Distribution kinetics of water, salt and 125I albumin in normal subjects
- P06RR-00180-10 A resource for the study of squirrel monkeys
- MO1RR-00210-10 0030 General clinical research center-Maternal-child - Evaluation of hepatic gluconeogenesis in the fetus (human, dogs)
- P06RR-00236-10 A resource for the study of laboratory animal diseases
- P06RR-00251-09 Rabbit inbred and mutant stock resource
- P06RR-00393-07 Resource for study of laboratory animal diseases
- P06RR-00427-07 Models for the study of obesity and growth (rats)
- ** P06RR-00463-06 Laboratory animal resource for biomedical research (mice, guinea pigs)
- P06RR-00469-06 Laboratory animal diagnostic resource
- ** P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
- ** P06RR-00518-06 Resource facility for wild rodents
- P06RR-00572-04 Amphibians for health-related research
- P06RR-00627-04 Immunobiology of the laboratory rabbit
- ** P06RR-00685-03 Resource for investigation of lab animal disease
- ** P06RR-00771-02 Octodon degus-Development of a pedigree colony
- ** P06RR-00779-02 Defining Xylocopa for biomedical research use
- MODELS, CHEMICAL**
- SEE ALSO ENZYME MODELS
- R01AI-08202-07 Structure of immunoglobulins (human)
- R01AI-08325-06 Basis of the antibiotic action of the mitomycins
- R01AI-08920-06 Biosynthesis and biogenetic synthesis of polyketides (fungi)
- R01AI-10650-03 Molecular aspects of transcription (antibiotics)

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Denotes significance to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIAM-01320-18 Structure of proteins and peptide hormones
- ROIAM-03288-15 Molecular structure (bacteria)
- ROIAM-05821-12 Chemistry of maturation of collagen (rats)
- ROIAM-08064-10 Reactions of biochemical interest
- ROIAM-08126-11 Energy generation and conservation in mitochondria
- ROIAM-09085-10 Structure of biological molecules (fungi)
- ROIAM-09765-09 0003 Regulatory processes in biological systems - Glyceraldehyde-3-phosphate dehydrogenase (human, fish, salmonella)
- ** ROIAM-09765-09 0004 Regulatory processes in biological systems - Theoretical studies
- ROIAM-09992-09 Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses)
- ROIAM-11194-07 Biochemical components of a transport system (bacteria)
- ROIAM-12473-06 Synthetic peptide hormones
- ROIAM-12619-07 Active sugar transport in renal cells (rats, rabbits)
- ROIAM-13339-06 Metal complexes related to vitamin B12
- ROIAM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- ROIAM-14120-05 Molecular structure of connective tissue fibers (rats, fish, marsupials)
- ROIAM-14341-06 Reaction mechanisms of cyclic tetramine complexes
- ROIAM-14589-04 Muscle contraction and macromolecular conformation
- ROIAM-15964-03 Biopolymer chain conformations
- POIAM-16516-03 0002 Biochemistry of normal and diseased connective tissue - Synthetic peptides as models for collagen
- ROIAM-17267-01 Far-infrared investigation of collagen
- ROIAM-17331-02 Organic metallic derivatives of biological compounds
- ** ROIAM-17442-01 Enzymatic thiamine cofactor catalysis - Model systems
- ROIAM-17533-01 Metalloporphyrin-Heme protein model
- ROICA-06522-13 Folate coenzymes-Mechanism of action and transport
- ROICA-08349-09 Potential tumor or organ imaging agents
- ** ROICA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- ROICA-10337-08 0001 Spin labeling and membrane structure - Spin labeling as a quantitative tool for membrane structure
- ROICA-12784-03 Circular DNA-implications for cancer and drug resistance
- ROICA-12809-03 Protein initiation in a model mammalian cell-free system (chick embryo)
- ROICA-12971-03 Biochemical mechanisms of pyrimidine alkylation (bacteria, rats, goats)
- ROICA-12984-03 Glyoxalase I mechanism - Tumor growth inhibitors
- POZCA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
- ROICA-14103-02 Molecular basis of the actinomycin-DNA interaction
- ** ROICA-15567-01 Kinetic modeling of rat liver and Morris tumors
- ROICA-15997-01 Spin-labeling receptors on normal and malignant cells
- ROICA-16191-01 5-Substituted pyrimidines and cancer chemotherapy
- ROICA-16301-01 0003 What distinguishes water in cancer and normal tissues? - Distribution of non-metabolizable sugars (chicks, rabbit, frog, human)
- POICA-16359-01 0022 Cancer center support grant - Viral gene expression and transformation
- ROICA-16954-01 Hemoprotein-catalyzed oxygenations of carcinogens
- ROICA-16967-01 Vincristine and vinblastine derivatives and models
- NOICM-23241-04 Distribution, disposition, and metabolism of antineoplastic agents
- ROIDE-03543-03 Growth of hydroxyapatite crystals
- RZ3DE-03945-01 Salivary peroxidase and the genetics of oral disease
- POIES-00454-06 0023 Biological effects of environmental agents - Mutagens, carcinogens, nucleic acids and cell transformation (hamsters)
- ** ROIEY-00173-07 Monomolecular films to study visual processes (models, cattle)
- ROIEY-00501-06 Optomechanical study of gel structures in the eye (cattle, human, rats)
- ** ROIEY-00548-04 Role of macromolecules in photoreceptor membranes
- ROIEY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
- ROIEY-00729-04 Molecular basis of membrane excitation (model system, cattle)
- ROIFD-00364-03 N-Nitrosamine formation in cured meats (also fish)
- ROIGM-04761-18 Metabolism of polysaccharides (human, rabbits)
- ROIGM-05811-15 Hydrolytic enzyme models
- ROIGM-08347-14 Function of molybdenum in biological systems
- ROIGM-10218-12 Mechanism of enzyme action
- ** ROIGM-10224-12 Conformational analysis by NMR
- ROIGM-10828-20 Structure of biologically important compounds
- ROIGM-10829-20 Optically active coordination compounds
- ROIGM-10906-13 Statistical mechanics of biological macromolecules
- ** ROIGM-11180-11 Physical chemistry of decyribenzoic mica
- ROIGM-12596-08 Solvent effects in coordination kinetics-Methanol
- ** POIGM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
- ** ROIGM-13191-10 ESR experiments on model photosynthetic systems (bacteria)
- ROIGM-13366-09 Crystallographic study of proteins (bacteria, plants, cattle)
- ROIGM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- ROIGM-13453-09 Synthesis and reactions of peptides
- ROIGM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- ROIGM-13956-09 Bio-organic reactions related to steroid biosynthesis
- ** ROIGM-14312-20 Internal bonding in proteins
- ROIGM-14523-08 Nucleic acid interactions
- ROIGM-14825-08 Conformation of tRNA and model oligonucleotides
- POIGM-15003-13 0008 The biological functions of metals - Metalloenzyme models
- ROIGM-15053-08 Protein structure and function (E coli, yeast, rabbits, salmon)
- ROIGM-15188-08 Structure and mechanisms of action of enzymes
- POIGM-15423-07 0043 Molecular basis of control mechanisms - Peptide models
- ** POIGM-15423-07 0056 Molecular basis of control mechanisms - Conformational perturbants
- ROIGM-15471-07 Metal complexes of Schiff bases
- ROIGM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
- ** ROIGM-16260-06 Derivation of nonbonded potential parameters
- ** ROIGM-16922-06 Cholesteric biopolymer liquid crystals
- ROIGM-16952-05 Alkylation of synthetic polynucleotides (bacteria)
- ROIGM-17267-03 Intramolecular cyclization of N-allylpyridinium salts
- ROIGM-17371-04 Molecular geometries of nucleic acids
- ROIGM-17452-04 Phospholipid vesicles as model for biological membranes
- ROIGM-17533-13 Protein and nucleic acid model studies (Ecoli)
- ** ROIGM-18092-03 Conformations of biologically important molecules
- ROIGM-18143-04 Sesquiterpene biogenesis (plants)
- ROIGM-18191-10 Free-radical biochemical oxidations
- ROIGM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- ROIGM-18632-03 Structures of nucleic acids and related molecules
- ROIGM-18652-03 Polar effects in model substrates of chymotrypsin
- ROIGM-18673-03 RNA synthesis by Azotobacter vinelandii RNA polymerase
- ROIGM-18874-03 New synthetic methods useful for chemotherapeutics
- ** ROIGM-18890-03 Studies on coenzyme model compounds
- ** ROIGM-18983-03 Models for metalloproteases
- ROIGM-18999-03 Enzyme, nonenzyme catalyzed carbon acid protobropy
- ROIGM-19032-01 Molecular orbital studies of hydrogen bonding
- ROIGM-19035-03 NMR investigations of polyene-perturbed membranes
- ROIGM-19111-03 Peptidyl transferase recognition sites
- ROIGM-19154-03 Control of surface protein synthesis (microorganisms)
- ROIGM-19234-03 Electrochemical medicinal synthesis
- ROIGM-19290-03 Conditional lethal mutants of Tetrahymena
- ROIGM-19557-01 Model studies of squalene biosynthesis
- ROIGM-19684-02 Ionophores, transport, and membrane structure
- ROIGM-19775-02 Activation of molecular oxygen by metal peptides
- ROIGM-19883-01 Polyanions-Model gene regulators
- ROIGM-19886-01 Surface asymmetry and ionic transport in lipid bilayers
- ** ROIGM-19913-02 Tautomeric catalysis-Model of enzyme catalysis
- ROIGM-20188-01 Models for Schiff base enzymes
- ** ROIGM-20195-17 Interactions of nucleotide and proteins
- ROIGM-20198-01 Enzyme effector design-Proton inventories
- ROIGM-20315-02 Reagent for protein sequencing and modification
- ROIGM-20368-02 Synthesis and biosynthesis of cephalotaxine
- ROIGM-20671-01 High resolution liquid chromatography of lipids
- ROIGM-20682-01 Molecular geometries of mucopolysaccharides
- ROIGM-21093-01 Transition state models of protein synthesis
- ROIGM-21176-01 Structure of extrachromosomal and viral genomes (E coli)
- ROIMD-09026-01 Bilirubin photochemistry and pyrolysis
- ** ROIHL-02342-18 Electron transfer mechanisms and hemoprotein models
- ** ROIHL-05556-14 Structure and reactivity of proteins and lipoproteins (human, catfish, seals)
- ** ROIHL-09415-10 Rheology and phase transitions in model dispersions
- ROIHL-11553-06 Chemistry of electron-transfer proteins (mammals)
- ROIHL-12395-06 X-ray study of oxygen-carrying cobalt complexes
- ROIHL-12526-05 Raman spectra of heme proteins and related molecules
- ROIHL-12901-05 Subunit association of human hemoglobins
- ROIHL-13111-03 Primary process of modified heme-oxygen interactions
- ROIHL-13132-03 Calorimetric studies of heme-protein ligand reactions (human, sheep, cattle)
- ROIHL-13157-05 Molecular oxygen carriers-Synthesis, structure, bonding
- ** ROIHL-13164-04 Interaction of the alpha and beta chains of human hemoglobin
- ROIHL-13652-04 Metal sites in metalloproteins
- ROIHL-13841-13 Respiration during altitude acclimatization (goats, human)
- ROIHL-14083-03 Thermal and potentiometric analysis of proteins
- P17HL-14147-04 0003 Specialized center of research in thrombosis - Application of physical and chemical studies of lipid surfaces
- POIHL-14322-03 0006 Interdisciplinary program in biomaterials science - Transport mechanisms in synthetic membranes and biologic tissues (frogs, toads)
- POIHL-14322-03 0017 Interdisciplinary program in biomaterials science - Transport mechanism in synthetic membranes and biological tissues
- ROIHL-14483-04 Ion transport and oxidative phosphorylation (cattle)
- ROIHL-14590-03 Biologically important transition metal complexes
- ROIHL-14680-03 Specific enrichment of myoglobin for carbon 13 NMR
- ROIHL-15155-02 Rheology of pulmonary secretions
- ROIHL-15284-02 Hemoglobin and myoglobin kinetic studies (human, animals)
- ROIHL-15293-02 Sickle cell hemoglobin-Interactions and aggregation
- ** ROIHL-15640-02 Reactions of polydentate thiominate metal complexes
- POIHL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
- ROIHL-15958-02 X-ray diffraction analysis of thrombin and neurotoxin
- ** ROIHL-16087-01 Structural and dynamic study of model heme complexes
- ROIHL-16604-01 Function of pulmonary chemosensitivity (chickens, ducks)
- ** POIHL-16607-01 0001 Calcium ion and control of cardiovascular function - Electrical and chemical control of calcium fluxes through model membrane systems
- ROIHL-16860-01 Mossbauer studies of respiratory hemoproteins
- ROIHS-10528-12 Anodic oxidation of biological amines
- ** ROIHS-10837-01 Model studies of myosin stability
- ROIHS-11764-02 Fluctuation phenomena and ion movements in membranes (squid)
- PO7RR-00636-02 0010 Special resource for NMR studies in biomolecules - Conformational analysis of oligosaccharide haptan-antibody interactions
- PO7RR-00639-01 0002 Interdepartmental NMR facility health center - Chemical basis of anesthesia
- PO7RR-00898-01 Interactive graphics for molecular studies (computer)

MODELS, MATHEMATICAL

SEE ALSO COMPUTER SIMULATION

- RO1AA-00196-03 Alcohol induced defects in pyridine and folate metabolism (human, rats)
- RO1AA-01396-01 Unified federal-state alcoholism monitoring system
- NO1AA-30002-05 Perform surveys, analyses and related work in alcoholism
- NO1AA-40003-03 Performs surveys, analyses and related work in the field of alcohol abuse
- RO1AI-00924-19 Biology of Haemosporididae and Trypanosomidae (birds, insects, plants)
- RO1AI-08427-06 The physical structure of viruses
- RO1AI-11392-01 Bacterial migration in chemotaxis

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
 R01AM-02528-15 X-ray structure analysis of biological molecules (marine animals, legumes)
 ** R01AM-03556-14 Insulin, glucagon, proinsulin (rats, human, pigs)
 ** R01AM-05976-13 Carbohydrate and ketone body metabolism (sheep)
 R01AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryos)
 R01AM-10532-00 Intracellular reactions in contracting muscles (amphibians, barnacles)
 R01AM-11384-08 Hepatic organic anion transport mechanisms (sheep, horses, dogs, rats)
 R01AM-12763-05 Insulin release in diabetes (human, cattle)
 R01AM-13023-06 A physical approach to stone formation
 R01AM-13240-06 Intestinal transport of short-chain fatty acids (rats)
 R01AM-13441-06 Immunology conformation and activity of insulin (mice, guinea pigs)
 R01AM-14063-03 Quantitation of bone transplant repair (dogs, human)
 R01AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
 R01AM-14659-03 Inflammation of wrist pathomechanics on hand function (human)
 R01AM-14952-04 Hemodynamic control of adrenal corticoid secretion (cats)
 R01AM-15297-03 Pathways of carbon and hydrogen in gluconeogenesis (rats)
 R01AM-15393-04 Ion-exchange calcium electrodes (human, rabbits, dogs)
 ** R01AM-15807-02 Mathematical models of membrane processes (frogs, ascites)
 R01AM-15856-03 Dietary protein intake and human protein metabolism
 R01AM-15876-03 Myofilament lattice-Morphology and function (decapods)
 R01AM-16014-03 Comparative nutrient content, and utilization of food (human, laboratory animals)
 R01AM-16116-01 Pressure distribution across human hip joint
 R01AM-16293-01 Constitutive equations for soft tissues (rats)
 R01AM-16612-01 Bioelectric phenomena in bone (human, dogs)
 ** R01AM-16635-02 Mathematical models of renal modulatory function
 R01AM-16658-01 Nitrogen pools and turnover in surgical patients
 R01AM-16694-01 Mechanisms of cholesterol gallstone dissolution rates (human)
 R01AM-16703-01 Heat acclimation in *Musca musca*
 R01AM-16716-01 0008 Pathophysiological bases of muscle diseases - Neuromuscular system in task performance and its damage in MD (chickens)
 R01AM-16716-01 0013 Pathophysiological bases of muscle diseases - Characteristics of the myoelectric signal (human, animals)
 R01AM-16770-02 Bile acid metabolism in health and disease (human, dogs)
 R01AM-16802-01 A third generation artificial kidney (dogs, cattle, human)
 R01AM-16845-01 Transient analysis of counter current multipliers
 R01AM-16869-01 Biomechanics of cervical spine injury
 R01AM-16968-01 Analytic formulation of transport in single nephrons
 ** P17AM-17047-01 0006 Diabetes-endocrinology research center - Mathematical modeling of insulin secretion
 ** R01AM-17094-01 Mathematical modeling of viscous flow phenomena
 R01AM-17163-01 Viscoelastic properties of muscle (frogs)
 R01AM-17236-01 Quantitative studies of metabolic dynamics (dogs)
 R01AM-17387-01 0011 Physiology and pathophysiology of kidney function - Relations between sodium reabsorption and oxygen consumption
 R01AM-17433-01 0001 Cardiovascular, metabolic aspects of membrane transport - ion transport across single nephrons (*Nocturus*, *Amphiuma*, rats)
 ** R01AM-17593-01 Numerical solution of renal transport equations
 R01AM-17614-01 Quantification of bone stresses during remodeling (rabbits)
 R01AM-17707-01 Vitamin D metabolism in man
 P02CA-05831-13 0040 Cancer clinical research - Growth kinetics of plasma cell tumors (human)
 P02CA-06519-12 0036 Radiation therapy and biology research program - Experimental radiation therapy of solid tumors (rats)
 ** P02CA-06519-12 0082 Radiation therapy and biology research program - Mathematical models in radiation therapy
 P02CA-07177-11 0012 Clinical cancer research center - Clinical therapeutic study-Improved combination chemotherapy
 R01CA-08370-09 The importance of bone in hematopoietic marrow function (human, mice)
 P01CA-08748-09 5102 Research program of Sloan-Kettering Institute - Mathematics of cell population kinetics
 ** P01CA-08748-09 5103 Research program of Sloan-Kettering Institute - Mathematical descriptions of enzyme reactions
 ** P01CA-08748-09 5510 Research program of Sloan-Kettering Institute - Mathematic models of cell populations-analysis by radiotracer
 ** P01CA-08748-09 5553 Research program of Sloan-Kettering Institute - Mathematical models simulating cytotoxic agent effects
 ** P01CA-08748-09 6211 Research program of Sloan-Kettering Institute - Mathematical models in developing leukemia treatment
 R10CA-10378-08 Gynecologic oncology group statistical service
 ** R01CA-10810-07 Statistical models of biomedical phenomena
 ** R01CA-11110-14 Correlation of biological activity and structure
 ** R01CA-11430-09 0029 Biomathematics and computing in a cancer institute - Mathematical modelling of cellular kinetics
 R01CA-11430-09 0036 Biomathematics and computing in a cancer institute - Dose rate factors influencing radiation strategy
 R01CA-11430-09 0039 Biomathematics and computing in a cancer institute - Stability and enzyme separation
 R01CA-11479-05 Molecular pathology and molecular carcinogenesis (mice)
 R01CA-11531-05 Core program in biometrics of cancer epidemiology
 ** R01CA-12124-02 The optimization of drug treatment schedules (human)
 R01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
 R01CA-12758-02 Modification of tumor growth in hepatomas by radiation (rats)
 ** P02CA-13053-03 0041 Clinical cancer radiation therapy research center - Mathematical modelling in malignant diseases (mice)
 P02CA-13053-03 0064 Clinical cancer radiation therapy research center - Analysis of two cell size distributions
 P02CA-13148-03 0058 Pilot cancer center - Defective differentiation of B lymphocytes and plasma cells in humans
 R01CA-13343-02 0014 Environmental cancer - Assay of genetic damage and cellular proliferation (rodents)
 ** R01CA-13343-02 0016 Environmental cancer - Biomathematics-Kinetics of tumor formation (mice)
 ** R01CA-14125-01 A mathematical model for quantitation of cancer cells (mice)
 R01CA-14495-01 Base sites of antitumor antibiotic DNA binding by CD
 ** R01CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
 ** R01CA-15511-01 Radiotherapy planning based on cell kinetics (mice)
 R01CA-15688-01 Cancer epidemiology-Statistical methods (human)
 R01CA-16089-01 Immunotherapy and dynamics of the metastatic process (mice)
 R01CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
 N01CB-23853-07 Study regional impact for cancer research centers
 N01GM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
 ** N01CO-45425-01 Resources analysis and planning for NCP
 R01DA-00738-01 Psycho-social precursors of heroin use in Puerto Rico
 R01DA-01002-01 Pharmacodynamics of stimulant self-administration (monkeys)
 P01DA-01097-01 0017 Center for socio-cultural research on drug use - Study of opinion leads
 R01DE-01830-12 Quantitation of enamel demineralization mechanisms
 P02DE-02172-10 0064 Oral-facial communicative disorders - Speech and hearing (children)
 P13DE-02668-08 0001 Dental research center - Mechanisms of vocalization (human)
 P13DE-02668-08 0007 Dental research center - Mechanisms of vocalization (human)
 P13DE-02731-08 0008 Development support for dental research institute - Dental biometrics (human)
 ** P13DE-02731-08 0011 Development support for dental research institute - Dental research bioengineering (human)
 ** R01DE-02944-06 Structure and toxicologic activities of dental compounds (mice)
 R01DE-03187-04 Transport in enamel and solubility of fluoridated apatites (human)
 R01DE-03343-03 Longitudinal face and dentition data (human)
 R01DE-03472-03 Patterns of dentocraniofacial growth and maturation
 ** R01DE-03545-03 Prediction of tooth displacement (human)
 P01DE-03610-08 0004 Cranio-facial growth and development - Biomathematical approaches to cranio-facial growth (human, monkeys)
 R01DE-03688-01 Rate of stannous fluoride phosphate formation on tooth mineral
 R01DE-03953-01 Force systems from orthodontic appliance
 N01DH-24246-04 Simulation of an HMO-type prepaid capitation group practice
 P01ES-00040-10 0001 Environmental toxicology of pesticides - Pesticide-stressor interactions with microsomal enzymes (rats)
 P01ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
 ** P01ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
 P10ES-00210-07 0027 Center for environmental management - Prediction of effects of environmental toxicants
 ** P10ES-00210-07 0034 Center for environmental management - Estimating growth parameters in linear model (rats)
 P10ES-00210-07 0037 Center for environmental management - Model of photosynthesis
 P10ES-00260-12 0004 Research in the environmental health sciences - Biomathematics (human)
 P10ES-00260-12 0028 Research in the environmental health sciences - Alpha desimetry (human)
 ** P01ES-00354-07 0005 Human responses to thermal environment - Models of physiological and behavioral temperature regulation
 P01ES-00454-06 0006 Biological effects of environmental agents - Control of airborne infection in hospitals and laboratories
 R01ES-00592-03 Odor psychophysics-Intensity, adaptation and masking (human)
 P01ES-00735-01 0003 Public health hazards and environmental fate of parathion - Deposit and drift (air, soil, plants, insects, human)
 R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
 R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
 R01EY-00008-13 Analysis of flicker retinal action potentials (spiders, crabs)
 R01EY-00062-05 Electronic structure of biomolecules
 R01EY-00175-05 Structure and function of visual photoreceptors
 R01EY-00381-07 Excitability of visual pathways (humans, monkeys)
 R01EY-00427-05 Analysis of problems in ocular inflammatory disease (human, rabbits)
 R01EY-00483-07 Intraocular fluid dynamics (rabbits)
 R01EY-00892-02 Dynamic fracture studies of ophthalmic lenses
 R01EY-01056-02 Visual pigment models-Photochemical studies
 R01EY-01080-02 Bioelectrical properties of corneal endothelium
 R01EY-01162-01 Ocular damage due to retinal temperature rise (rabbits, monkeys)
 ** R01EY-01184-01 Congenital glaucoma-A developmental study (dogs)
 ** R01EY-01285-01 Quantitative determination of retinal function (locusts, crickets)
 R01FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
 ** R01GM-08521-14 Carbon-13 magnetic resonance-Methods and theory
 P01GM-10403-12 0001 Biophysical studies on viral structure and function - Polymerization of TMV protein
 R01GM-10452-11 Stochastic models in medicine and biology
 ** R01GM-10525-11 Statistical studies of problems of health and biology
 R01GM-10867-13 Crystal structures of some metal-peptide complexes
 R01GM-10906-13 Statistical mechanics of biological macromolecules
 R01GM-10928-12 Crystallographic study of biological molecules (bacteria)
 P01GM-11546-11 Quantitative genetics research (*Drosophila*, maize, spiders, bacteria)
 R01GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
 ** P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
 P01GM-13242-09 UCLA interscience research project
 ** R01GM-13827-08 Research in mathematical and statistical genetics
 R01GM-14470-08 Quantum theory of molecular isoelectronic changes
 P01GM-14546-08 00¹ Influence of acute illness and injury on energy - P_otain metabolism in injured patient
 ** P01GM-14546-08 0041 Influence of acute illness and injury on energy - Mathematical modeling and simulation
 P01GM-14546-08 0042 Influence of acute illness and injury on energy - Urea recycling and pool characterization (human)
 R01GM-14659-07 Mechanical properties of tissues (dogs, cats)
 ** R01GM-14789-06 Computer solutions of complex models in biology

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1GM-15320-07 Electrolyte kinetics in surgical patients (human, dogs)
- RO1GM-16406-06 Resonance spectroscopy of enzymes (bacteria)
- PO1GM-16436-06 0001 Bioengineering program project - Cardiac muscle mechanics (mammals)
- PO1GM-16436-06 0026 Bioengineering program project - Real-time analog compensation of catheter-induced pressure artifacts
- PO1GM-16436-06 0043 Bioengineering program project - Field flow through porous polymer
- PO1GM-16436-06 0044 Bioengineering program project - Pulsed ultrasonic flow meter
- PO1GM-16436-06 0049 Bioengineering program project - Modeling of curved arterial flows
- M PO1GM-16437-06 Biomedical engineering program project
- ** PO1GM-16496-06 0001 Clinical pharmacology- Pharmacokinetics - Pharmacology, pharmacokinetics and metabolism of lidocaine (primates)
- PO1GM-16496-06 0005 Clinical pharmacology- Pharmacokinetics - Drugs interaction-Tolterodine (human, rabbits, sheep)
- PO1GM-16496-06 0015 Clinical pharmacology- Pharmacokinetics - Renal metabolism of drugs (monkeys)
- PO1GM-16496-06 0049 Clinical pharmacology- Pharmacokinetics - Dose dependent kinetics-Probenecid (monkeys, dogs)
- PO1GM-16496-06 0052 Clinical pharmacology- Pharmacokinetics - Anti-cancer drugs in multiple myeloma (human)
- RO1GM-16496-06 Metabolism of volatile fluorinated anesthetics in man
- RO1GM-16501-06 Computer modeling of cardiac and hepatic metabolism (rats, mice)
- RO1GM-16539-06 Structure of nucleoprotein (microorganisms)
- ** RO1GM-16725-06 Mathematical models for diagnosis and prognosis
- ** RO1GM-17088-05 Molecular mechanisms in DNA replication
- RO1GM-17173-05 A research program in population genetics (human)
- RO1GM-17215-05 Renaturation and hybridization of nucleic acids (microorganisms)
- RO1GM-17369-05 Normal profile study (human)
- RO1GM-17378-05 X-ray studies of the constituents of nucleic acids
- RO1GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
- ** RO1GM-19107-02 The traumatology of the head and spine (human, monkeys)
- RO1GM-19182-02 Computer simulation of biochemical systems
- PO1GM-19428-03 0014 Computer aided biomedical pattern recognition - Enhancement of biological images
- ** PO1GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
- PO1GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
- PO1GM-19599-02 0004 Surveillance and predictive diagnosis in surgical patients - Tissue perfusion studies (dogs, human)
- RO1GM-19795-02 Molecular mechanisms of frameshift mutation (bacteriophage)
- ** RO1GM-20154-02 Physiological role of water in tissue (rats)
- RO1GM-20201-02 Structural and mechanical properties of spine (human)
- RO1GM-20284-02 Theory of polar liquids and solutions
- ** RO1GM-20289-01 Mathematical study of circadian rhythms
- ** RO1GM-20507-01 Topics in sequential medical trials
- RO1GM-20541-01 Electrogenic properties of epithelia (hydra, toads)
- ** RO1GM-20564-01 Intermolecular interactions
- ** RO1GM-20569-01 Properties of human hemoglobin and unwinding of DNA
- RO1GM-20637-03 Thermodynamic studies of transfer ribonucleic acids
- M P11GM-20852-01 Clinical pharmacokinetics and biopharmaceutics
- ** P11GM-20852-01 0009 Clinical pharmacokinetics and biopharmaceutics - Physiologically based pharmacokinetic models
- ** P11GM-20852-01 0011 Clinical pharmacokinetics and biopharmaceutics - Kinetics of differential cytotoxicity
- ** PO1GM-21054-01 0004 Human genetics center - Half sibs
- ** PO1GM-21054-01 0011 Human genetics center - Genetic counseling in Down's syndrome
- ** RO1GM-21135-01 Stochastic processes in genetic populations (human)
- RO1GM-21283-01 Simulation and analysis of protein evolution
- PO1GM-21797-01 0001 The traumatized patient - Shock (human, baboons)
- PO1HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
- PO1HD-00870-11 0010 Communication research with retarded children - Storing and retrieving information
- PO1HD-00973-11 0070 Research program on retarded intellectual development - Pavlov's depth of processing model applied to the retarded (adolescents)
- RO1HD-03002-07 Fertility and family planning in Taiwan (human)
- PO1HD-03617-06 Intergenerational studies of development and aging (human)
- RO1HD-03807-06 Placental exchange of respiratory gases (human, sheep, rabbits)
- RO1HD-03858-05 Development of habituation in human infants
- ** RO1HD-04016-06 Photoperiod-implantation and parturition (rats, hamsters)
- RO1HD-05090-04 Endometrial preparation for implantation (rats)
- RO1HD-05753-05 Oogenesis and gene control in reproduction
- ** PO1HD-05876-03 0032 Center for population research - Demographic methodology and formal models
- ** RO1HD-05985-01 Cycles in fertility, mortality and economic conditions (US, Sweden, Britain)
- RO1HD-06003-03 Genetic aspects of family planning
- ** RO1HD-06040-01 Modern control theory applied to population control
- PO1HD-06276-03 0051 Mental retardation research program - Later gestational changes in the brain (human)
- RO1HD-06333-02 Cross-flow exchange in the mammalian placenta (sheep, monkeys)
- RO1HD-06438-02 Female occupational structure-determinants and trends
- RO1HD-06445-03 Mechanisms in flagellar and ciliary motion (marine and fresh water)
- ** RO1HD-06966-02 Systems study of population and economic change (US, Japan)
- RO1HD-07001-01 Population mathematics (human)
- ** RO1HD-07094-01 An open model for population projection
- PO1HD-07110-02 0009 Biomedical center for population research - Population ecology (insects, birds)
- RO1HD-07144-01 Fertility and child development impact of AFC
- ** RO1HD-07214-02 Long-term complications of induced abortions
- RO1HD-07334-01 Fertility, productivity and labor force participation (women in academia)
- ** RO1HD-07394-01 Efficiency aspects of the distribution of US city sizes
- RO1HD-07396-02 Household formation, fertility, and market activity
- RO1HD-07410-02 Economic determinants of population distribution (San Francisco)
- ** RO1HD-07565-01 Dynamic 'World system' models
- RO1HD-07629-02 Population-policy linkages in cities and suburbs
- RO1HD-07645-01 Economic policy in relation to population growth
- ** RO1HD-07993-01 Fertility and labor force patterns in U S women
- ** RO1HD-08112-01 Socioeconomic determinants of US post-war natality
- RO1HD-08434-01 0002 Metabolic studies of perinatal nutrition in infants - Urea and arginine metabolism in total perinatal nutrition
- RO1HD-08497-01 Fertility and assimilation of the foreign-born
- RO1HD-08515-01 Population effects on local expenditures
- ** RO1HD-08567-01 Migration, regional growth and public policy (Mexico)
- RO1HD-08577-01 Cross-cultural study of treatment of the aged
- ** RO1HD-08586-01 Population dynamics in preindustrial England
- NO1HD-22755-01 Aging in human diploid fibroblasts
- NO1HD-42857-00 Economic analysis of US fertility change, 1940 to 1973
- RO1HL-00487-25 Vasomotor tone and venous return (human, dogs, monkeys)
- RO1HL-02075-19 Residual volume and similarity in the circulation (animals)
- RO1HL-02262-19 Mechanisms regulating plasma proteins and solutes (human, calves)
- RO1HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
- RO1HL-03290-17 Controls of cardiac and vascular smooth muscles
- RO1HL-03599-17 High energy phosphate transferring enzymes (swine, rabbit, carp, squid)
- PO1HL-04885-15 0010 Comparative cardiovascular studies - Constrained non-conic vessels in dynamic environment (models, calves)
- PO1HL-04885-15 0011 Comparative cardiovascular studies - Distension character and stress distribution in vessels of different shapes
- PO1HL-06285-14 0210 Cardiovascular-respiratory physiology and biochemistry - Physicochemical and enzymatic studies of lung surfactant (Halobacterium)
- RO1HL-06642-11 Tritiated digoxin (human, rabbits, dogs)
- PO1HL-07293-13 0003 Cardiovascular instrumentation research and development - Engineering evaluation of ultrasonic Doppler flowmeters (models)
- PO1HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
- PO1HL-08195-12 0002 Circulatory physiology - Nonlinearity reacting tracers in circulatory systems analysis
- PO1HL-08195-12 0822 Circulatory physiology - System analysis of reactive hypoxemia in coronary artery occlusion
- NO1HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- RO1HL-08506-11 Lipemic-carbohydrate and glyceride metabolism (human, rats)
- PO1HL-08885-10 0084 Cardiovascular and pulmonary performance - Adaptation to hypoxia (human, animals)
- PO1HL-08885-10 0018 Cardiovascular and pulmonary performance - Gas stems and ventilation in normal and obstructed breathing (goats, dogs, huma)
- ** PO1HL-08885-10 0023 Cardiovascular and pulmonary performance - Performance criteria of the ventilatory control (human)
- PO1HL-08885-10 0036 Cardiovascular and pulmonary performance - Dynamic volume of left ventricle in dogs
- PO1HL-08899-10 0020 Oxygenation and oxygen effects in man - Oxygen tolerance (human, rats, guinea pigs)
- PO1HL-09011-11 0012 A research and resource program in blood - Population genetics
- PO1HL-09251-10 0002 Implantable artificial circulatory pumping systems - Systems and instrumentation (human, animals)
- PO1HL-09251-10 0003 Implantable artificial circulatory pumping systems - Pumping systems (cattle)
- PO1HL-09495-13 Cardiovascular computer project
- RO1HL-09719-10 Dispersion of diffusible indicators in the body (human, cats, dogs)
- PO1HL-09914-09 0012 Research program- Cardiovascular and related disease - Data analysis
- RO1HL-10330-08 Computer studies of human circulatory system
- RO1HL-10417-00 Multiple systems in electrocardiography
- RO1HL-10881-08 Structure and function of microcirculation (hamsters, rats, cats, dogs)
- PO1HL-11307-08 0007 Biophysical studies in pediatric cardiology - Biomedical engineering
- PO1HL-11310-08 0015 Mechanisms of cardiovascular disease - Subsystem function after intracardiac surgery-Heart function (human, animals)
- PO1HL-11310-08 0030 Mechanisms of cardiovascular disease - Cardiac muscle (cats, rabbits)
- PO1HL-11310-08 0033 Mechanisms of cardiovascular disease - Noninvasive techniques for cardiovascular diagnosis (human)
- M PO1HL-11678-07 Cardiovascular dynamics and their control
- ** PO1HL-11678-07 0002 Cardiovascular dynamics and their control - Quantitative analysis of renal function (dogs)
- ** PO1HL-11678-07 0009 Cardiovascular dynamics and their control - Control of respiration
- ** PO1HL-11678-07 0017 Cardiovascular dynamics and their control - Overall control of circulation
- PO1HL-11678-07 0039 Cardiovascular dynamics and their control - Regulation of lymph flow (dogs)
- ** RO1HL-11822-06 Biophysical studies on macromolecular interactions (microorganism, plant, mammal)
- ** RO1HL-11919-07 Pulmonary circulation in surgical heart disease (human, dogs)
- RO1HL-11945-07 Synthesis of artificial lung and kidney systems (dogs, sheep)
- RO1HL-11978-06 Reflexes in regulation of respiration (cats)
- RO1HL-12174-07 Ventilation perfusion distribution in the lung (human, animals)
- RO1HL-12494-06 Continuum mechanics in biophysics (frogs, cats, rabbits)
- ** RO1HL-12546-05 Fluid mechanics of the microcirculation
- ** RO1HL-12607-06 Blood flow impedance in regional vascular beds (dogs)
- RO1HL-12647-05 Noropinephrine in vascular tissue
- ** RO1HL-12711-05 Mathematical approach to cardiovascular mechanisms (human, animals)
- RO1HL-12875-05 Ultrasonic visualization of arteries (human)
- RO1HL-12879-05 Pulmonary transport and metabolism in vivo (dogs, human)
- RO1HL-12974-05 Tracer kinetics, flows and masses in body organs (human, dogs)
- ** RO1HL-12980-05 Flow in collapsible tubes and airway compression
- ** RO1HL-13063-05 Modeling blood rheology and hemolysis
- ** RO1HL-13338-06 Oxygen transport and chemical contents of erythrocytes (human)
- RO1HL-13414-04 Behavior of aerosol particles in internal flows
- RO1HL-13419-08 Correlation of pre- and postmortem function (human)
- RO1HL-13803-04 Development of a trileaflet aortic valve prosthesis (baboons, human)
- RO1HL-13847-04 Engineering studies of liquid breathing systems (dogs)
- RO1HL-13917-15 Secretion and effects of adrenal hormones (human, rabbits, sheep)
- RO1HL-14062-03 Cholesterol turnover (miniature pig)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
 P17HL-14207-04 0002 Early detection and prevention of arteriosclerosis - Pulsatile flow studies related to plaque formation in arteriosclerosis (human)
 P17HL-14207-04 0003 Early detection and prevention of arteriosclerosis - Improved methods of non-invasive recording of intra-arterial pulses (human)
 P17HL-14209-04 0003 The MIT arteriosclerosis center - Diagnosis of arteriosclerosis from the pressure pulse contour (human)
 P17HL-14218-04 0010 Newborn lung center - In vivo CO2 equilibration curve in the fetus (monkeys)
 R01HL-14294-03 Thermal effects at biomaterials interfaces (dogs)
 R01HL-14306-03 Quantitative analysis of the renin-angiotensin system (dogs)
 ** R01HL-14316-03 Mathematical modeling of left ventricular function (human)
 P01HL-14322-03 0006 Interdisciplinary program in biomaterials science - Transport mechanisms in synthetic membranes and biologic tissues (frogs, toads)
 R01HL-14328-03 Physiological regulation of ion transport and volume (human)
 P01HL-14414-03 0008 Cardiorespiratory performance and environmental factors - Circulatory function and heat exchange in water (human)
 P01HL-14580-03 0002 Program project in respiratory mechanics - Airway aerodynamics (human)
 P01HL-14580-03 0005 Program project in respiratory mechanics - Development and evaluation of tests of pulmonary function (human)
 ** R01HL-14651-03 Mechanical behavior of left ventricle (dogs, rats)
 R01HL-14945-02 Modeling of renal sodium and water transport (rats)
 ** P17HL-15098-03 0010 Special center of research-Environmental lung disease - Analytical models to determine mechanical parameters (human)
 P17HL-15098-03 0011 Special center of research-Environmental lung disease - V/O component to alveolar-arterial oxygen tension difference model (human)
 M P01HL-15194-02 Pathophysiology of cardiopulmonary dysfunction
 P01HL-15194-02 0013 Pathophysiology of cardiopulmonary dysfunction - Cardiopulmonary flow models-Fluid mechanics of occlusive coronary lesions (dogs)
 P01HL-15194-02 0014 Pathophysiology of cardiopulmonary dysfunction - Cardiopulmonary flow models-Interpretation of indicator measurements (human)
 P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
 R01HL-15622-01 Computer simulation in cardiology
 R01HL-15623-02 Coronary collateral and peripheral vasculature (dogs)
 R01HL-15655-01 Blood flow and gas exchange in placenta and lungs (mammals, human)
 R01HL-15759-02 Models of cardiac arrhythmias (dogs, rabbits)
 P01HL-15832-02 0005 Chemical predispositions to lung injury - Pulmonary structure and stress-strain relationships (mammals)
 ** R01HL-15975-01 Numerical modeling of blood oxygenation units
 R01HL-16135-01 Mechanisms of cardiac autorhythmicity (dogs)
 R23HL-16195-01 Oxygen exchange with blood in capillaries
 R01HL-16206-01 Atherosclerotic plaque dynamics in non-human primates (monkeys, dogs)
 R01HL-16234-01 Thermomodulation for monitoring shunts in neonates (human, sheep)
 ** R01HL-16292-01 0016 Surgery and non-obstructive coronary insufficiency - Mathematical model of determinants of coronary flow
 ** R01HL-16580-01 Mathematical models for studying sickle-cell disease
 R01HL-16582-01 Artificial lungs (dogs, monkeys)
 ** P01HL-16851-01 0003 Human red cell membrane in health and disease - Modeling membrane mechanics and blood rheology
 P01HL-16910-01 0005 Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
 R01HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)
 R23HL-17098-01 Quantitative pulmonary responses to exercise (human)
 R23HL-17212-01 Computer modeling of lung water and solute exchange (sheep)
 ** R01HS-00041-04 An econometric model of medical care market
 R01HS-00236-10 Optimum utilization of hospital ancillary services
 ** R01HS-00284-05 An econometric model of the health care sector
 ** P16HS-00471-06 0016 Health services research center - Simulating structural change in the health care delivery system
 R01HS-00714-03 Regional allocation of high cost health services
 ** R18HS-00962-02 Morbidity and mortality data in health planning
 ** R21HS-01658-01 Models for health care decentralization
 R01HW-22988-02 Arrhythmias in relation to coronary heart disease (human)
 ** R01LM-01426-03 A quality filtering information system
 R01MH-06275-12 Social and psychological factors in status attainment (human)
 R01MH-06792-12 Verbal control of behavior in classical conditioning (human)
 P01MH-08667-10 0018 A longitudinal epidemiology of impaired competence - Paraprofessionals-Source for individualized instruction in special education
 P01MH-10906-10 0001 Research center for quantitative psychology - Human decision behavior
 ** R01MH-12717-08 Information processing and retrieval
 P01MH-12972-08 0009 Research program in personality assessment - Individual differences in behavioral transitions (human)
 P01MH-12972-08 0010 Research program in personality assessment - Small group sociometry (human)
 P01MH-12972-08 0011 Research program in personality assessment - The scaling of choice data (human)
 ** P01MH-12972-08 0012 Research program in personality assessment - Facet designs for item selection and scale analysis (human)
 P01MH-12972-08 0016 Research program in personality assessment - Optimal test length (human)
 P01MH-12972-08 0021 Research program in personality assessment - Multivariate techniques for evaluation and prediction of human behavior
 P01MH-12972-08 0022 Research program in personality assessment - Classification procedures utilizing non-parametric density estimates (human)
 P01MH-12972-08 0023 Research program in personality assessment - Individual differences in human judgments
 ** P01MH-12972-08 0024 Research program in personality assessment - Models of judgment processes (human)
 P01MH-12972-08 0025 Research program in personality assessment - Thinking under uncertainty (human)
 P01MH-12972-08 0026 Research program in personality assessment - Information processing in judgment and decision making-Decade of research
 ** P01MH-12972-08 0028 Research program in personality assessment - Bootstrapping human judgments
 R01MH-13006-09 Determinants of perceived orientation (human)
 ** R01MH-14110-07 0016 Neural modulation and transmission - Mathematical modeling of drug interactions
 P01MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
 R01MH-15872-07 Memory and decision factors in verbal learning (human)
 . R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 R01MH-16950-06 Group decision-making involving risk
 R01MH-19006-04 Models of memory and time processes
 R01MH-19399-04 Perceptual processing and memory of auditory stimuli (human)
 R01MH-21230-01 Sentence production and comprehension
 R01MH-21747-02 Memory search and decision processes
 R01MH-22383-01 Perceptual recognition of real-world scenes
 R01MH-22743-02 Structural properties of social phenomena
 ** R03MH-23425-01 Mathematical formalism for interpersonal interactions (human)
 R01MH-23563-01 Multiple-cue probability learning and judgement
 ** R01MH-23642-02 Some genetic and social factors in cognitive traits
 M P01MH-23878-06 Cognitive processes and mathematical psychology
 ** P01MH-23878-06 0001 Cognitive processes and mathematical psychology - Coding in short term memory
 P01MH-23878-06 0004 Cognitive processes and mathematical psychology - Visual information processing (human)
 P01MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)
 P01MH-23878-00 0026 Cognitive processes and mathematical psychology - Response to compound stimuli
 ** P01MH-23878-06 0028 Cognitive processes and mathematical psychology - Model for coding and organization in memory
 P01MH-23878-06 0035 Cognitive processes and mathematical psychology - Perceptual basis of reading
 R01MH-24159-01 Change agent approaches
 R03MH-24996-01 Estimating the relationship between abstract variables
 ** R03MH-25412-01 Development of multivariate measurement techniques
 R03MH-25544-01 Concomitant information in competing risk theory
 ** R03MH-25565-01 Economics of criminal behavior
 R01MH-25593-01 Color naming-A model system of coding
 R03MH-25680-01 Reduced rank decompositions of random variables
 R03MH-25737-01 Social conflict in industrial societies
 R03MH-25749-01 The demography of depopulation
 R03MH-25814-01 Decision making in natural settings (human)
 ** R03MH-26002-01 Multi-solution analysis of problem solving
 R03MH-26113-01 Effects on the reinforcing value of brain stimulation (rats)
 N01MH-40064-00 Statistical services
 N01MH-90097-12 Planning evaluation of community mental health centers
 P01NS-03627-12 0001 Cerebral and related systems - Human vision
 ** P01NS-03627-12 0009 Cerebral and related systems - Insect nervous system studies (fly, honeybee)
 R01NS-03950-12 Sensory processes (horse shoe crab)
 R01NS-05143-10 Neural encoding of patterned acoustic stimuli (birds, monkeys)
 R01NS-05188-11 Ion movements and permeability of axon membranes (annelids, frogs, rats)
 P01NS-05785-09 0001 Causes of deafness - Aural amplitude distortion (human)
 P01NS-06833-08 0010 Interdisciplinary stroke program - Subdural hematomas and other fluid collections of infancy
 R01NS-07286-07 UV spectroscopic study of membrane proteins and DNA
 R01NS-07787-06 Psychophysiological studies of binocular interaction (human, cats)
 ** R01NS-08137-06 Membrane activity theory
 R01NS-08443-06 Peripheral and central modulation of specific neurons (Aphasia)
 R01NS-08612-03 Effects of deafness on central auditory function (cats)
 ** R01NS-08692-05 Motor control system (human)
 R01NS-08951-06 Permeability mechanisms in excitable membranes (squid)
 R01NS-09692-04 Semicircular canal afferent responses (elasmobranchs)
 R01NS-09744-05 Stochastic models of neural systems
 R01NS-09755-05 Information processing in the brain
 P01NS-09823-04 0001 Communicative disorders clinical research center - Vestibular mechanisms in human
 R01NS-10054-02 Biophysical properties of semicircular canals
 R01NS-10627-01 Pitch perception as auditory pattern-recognition
 R01NS-10628-02 Computer based analysis of histological data
 R01NS-10781-01 Models of neural networks
 R01NS-10917-01 Dynamics in neural populations
 ** P01NS-10939-02 0001 Cerebral blood flow and metabolism in stroke and shock - Transient circulatory response to changes in arterial pCO2 (human, monkeys, cats)
 ** R01NS-11000-01 Signal transmission in the auditory system (cats, lizards)
 R01NS-11219-02 Interrelationships to sensorimotor neurons (cats)
 R01NS-11695-01 Factors in reflex motor control (cats)
 ** R01NS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
 ** R01NS-12045-01 Pitch perception as auditory pattern recognition
 N01NS-42310-00 Feasibility study for a comprehensive epilepsy program
 N01NS-42311-00 Feasibility study for a comprehensive epilepsy program
 N01NS-42312-00 Feasibility study for a comprehensive epilepsy program
 N01NS-42313-00 Feasibility study for a comprehensive epilepsy program
 N01NS-42314-00 Feasibility study for a comprehensive epilepsy program
 N01NS-42315-00 Feasibility study for comprehensive epilepsy program
 N01NS-42317-00 Feasibility study for a comprehensive epilepsy program
 N01NS-42319-00 Feasibility study for a comprehensive epilepsy program
 N01NS-42320-00 Feasibility study for a comprehensive epilepsy program
 R02NU-00498-01 Impact of FNP and PA on the practice of family medicine
 R02NU-00500-01 Research facilitation project
 N01OD-42175-00 Statistical models to reflect federal policy changes on biosciences
 ** R01OH-00340-05 0012 Respiratory effects of inhaled gases and aerosols - Model to predict the uptake of ozone (dogs)
 R01OH-00424-01 Agriculture tractor operator protection
 R01OH-00514-01 Back injuries-Mechanical stresses in the human spine
 P07RR-00003-13 0029 Medical data processing research - Enzyme kinetics
 P07RR-00003-13 0030 Medical data processing research - Epidemiological model
 P07RR-00003-13 0031 Medical data processing research - Relationship of anatomy and function in CNS

(contd)

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
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- P07RR-00003-13 0032 Medical data processing research - Evoked potentials in artificial neural nets
 - P07RR-00003-13 0033 Medical data processing research - Electromagnetic fields generated from neuronal activity
 - P07RR-00003-13 0034 Medical data processing research - Gene maps and linkage
 - P07RR-00003-13 0035 Medical data processing research - Cancer therapy model
 - P07RR-00003-13 0036 Medical data processing research - Cancer states
 - P07RR-00003-13 0037 Medical data processing research - Migration process
 - P07RR-00003-13 0038 Medical data processing research - Kinetics of target cell destruction
 - P07RR-00003-13 0039 Medical data processing research - Statistical discrimination based on a mathematical model of EEG
 - P07RR-00003-13 0040 Medical data processing research - Parkinsonian behavior in artificial neural nets
 - P07RR-00003-13 0041 Medical data processing research - EEG model from randomly connected neural nets
 - P07RR-00003-13 0042 Medical data processing research - Models of mortality
 - P07RR-00003-13 0043 Medical data processing research - Linked genes
 - P07RR-00003-13 0044 Medical data processing research - Growth by binary fission
 - P07RR-00003-13 0045 Medical data processing research - Task analysis in dentistry
 - P07RR-00003-13 0046 Medical data processing research - Generalized ITO analysis
 - P07RR-00003-13 0047 Medical data processing research - Implantation therapy
 - P07RR-00003-13 0048 Medical data processing research - EKG monitoring
 - P07RR-00003-13 0107 Medical data processing research - Teaching model in health-care delivery
 - P07RR-00007-11 0301 Computer processing in biomedical systems - Intracellular diffusion kinetics
 - ** P07RR-00007-11 0306 Computer processing in biomedical systems - Mathematical models in rabbits heart
 - ** P07RR-00007-11 0307 Computer processing in biomedical systems - Mathematical modeling
 - P07RR-00007-11 0311 Computer processing in biomedical systems - Modelling of multiple binding processes
 - P07RR-00007-11 0313 Computer processing in biomedical systems - Shunting of indicator in coronary circulation (dogs)
 - ** P07RR-00015-12 0012 Medical school computer facility - Simulation of complex biochemical systems (rats)
 - P07RR-00015-12 0034 Medical school computer facility - Computation of propagated action potentials
 - P07RR-00015-12 0070 Medical school computer facility - Protein packing patterns
 - P07RR-00015-12 0082 Medical school computer facility - Human visual processing
 - P07RR-00015-12 0086 Medical school computer facility - Pulmonary circulatory insufficiency
 - M01RR-00036-14 0076 General clinical research center - Turnover rates of radiolabeled proteins in subdural effusions (human)
 - M01RR-00037-14 0137 General clinical research center - Peritoneal membrane permeability to substances of varying molecular size
 - ** P07RR-00267-09 0079 Biomedical data processing unit - Blood glucose regulation
 - P07RR-00276-09 Development of biomedical computation facility
 - P07RR-00374-07 Support for physiology and biophysics computer
 - P07RR-00396-07 Resource for biomedical computing
 - P07RR-00578-04 Special research resource for biomolecular graphics
 - ** P07RR-00643-03 0007 Biotechnology resource-Computers in biomedicine - Computer-based models for glaucoma
 - ** P07RR-00643-03 0008 Biotechnology resource-Computers in biomedicine - Medical consultant program-Glaucoma
 - ** P07RR-00643-03 0009 Biotechnology resource-Computers in biomedicine - Belief system model
 - P07RR-00757-02 0008 Implementation of laboratory automation system - Protein model coordinate measurement
 - M01RR-00828-01 0032 General clinical research center - Effect of regulation on natural history of diabetes (human)
- MODELS, PHANTOM**
- P02CA-05838-13 0030 Clinical radiotherapy cancer research center - Radiotherapy physics
 - P01CA-08748-09 5511 Research program of Sloan-Kettering Institute - Radiographic image degradation Tokin system
 - ** P01CA-08748-09 5545 Research program of Sloan-Kettering Institute - Neutron activation of calcium and other elements in man
 - R10CA-10953-06 The Radiological Physics Center
 - P02CA-11051-06 0040 Clinical radiation research center - Radiation physics-Total body dosimetry
 - R01CA-13127-03 Effects of intracavitary irradiation with Cf-252 (swine)
 - R01CA-14722-02 0001 Pion cancer therapy - Quality of meson fields

- P01DE-01697-12 0001 Interdisciplinary studies in cleft palate - Larynx (human)
- R01FD-00646-05 Quantitative effects of EM energy on human tissues (and cats)
- R01GM-16189-05 Detection and measurement of radionuclide (phantom models)
- P01GM-18940-02 0001 Study of radiologic images - Measurement of x-ray spectra (model)
- P01GM-18940-02 0002 Study of radiologic images - Physical factors affecting radiographic image quality (models, human)
- P01GM-18940-02 0005 Study of radiologic images - Development of new radionuclide imaging agents and procedures (human, mice)
- P01GM-18940-02 0010 Study of radiologic images - Collimation and detection of radiation (phantom models)
- P01GM-19428-03 0013 Computer aided biomedical pattern recognition - Three dimensional reconstruction in radiology (human)
- P01HD-03298-13 0012 Developmental pathology - Cerebral cortex development (human, cats, hamsters)
- P01HL-07293-13 0003 Cardiovascular instrumentation research and development - Engineering evaluation of ultrasonic Doppler flowmeters (models)
- P01HL-07293-13 0007 Cardiovascular instrumentation research and development - Propagation of ultrasound in cardiovascular structures
- P01HL-07293-13 0020 Cardiovascular instrumentation research and development - Phase shift phase track displacement sensor evaluation (models, dogs, human)
- P01HL-07293-13 0026 Cardiovascular instrumentation research and development - Vessel scan moving target indication (models, dogs)
- P01HL-07293-13 0027 Cardiovascular instrumentation research and development - Geometry, echo coherency indication (models)
- P01HL-07293-13 0028 Cardiovascular instrumentation research and development - Synthetic aperture techniques (models)
- ** R01HL-11901-07 0012 Ileal bypass effect on cholesterol and atherosclerosis - Construction of an atherosclerotic model
- R01HL-12083-07 Flow field in aorta and its major branches (dogs)
- R01HL-13687-04 Pulmonary ventilation, blood flow and gas exchange (human, dogs)
- P17HL-14136-04 0005 Obstructive lung diseases - Dynamics of small airways in assessing GOLD
- P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
- P17HL-14201-04 0020 Pulmonary disease research center - Pulmonary edema measurement with focused electrical impedance bridge (human)
- P17HL-14207-04 0002 Early detection and prevention of arteriosclerosis - Pulsatile flow studies related to plaque formation in atherosclerosis (human)

MOLE, SKIN

SEE CONGENITAL ABNORMALITIES, SKIN, NEVUS PIGMENTED

MOLECULAR ASYMMETRY

SEE CHEMICAL STRUCTURE, MOLECULAR ASYMMETRY

MOLECULAR BASIS OF DISEASE

SEE DISEASES, MOLECULAR LEVEL STUDIES

MOLECULAR BASIS OF LEARNING, MEMORY, BEHAVIOR

SEE PSYCHOLOGY, LEARNING, BIOCHEMISTRY

MOLECULAR BASIS OF NEOPLASTIC DISEASE

SEE NEOPLASMS, MOLECULAR LEVEL STUDIES

MOLECULAR BIOLOGY

SEE ALSO DISEASES, MOLECULAR LEVEL STUDIES

SEE ALSO NEOPLASMS, MOLECULAR LEVEL STUDIES

- R01AI-01466-18 Structure of biological macromolecules (viruses)
- M R01AI-03998-12 Cellular regulatory mechanisms at the molecular level
- R01AI-03998-12 0005 Cellular regulatory mechanisms at the molecular level - Membrane excitation and regulation of synaptic properties (electric fish, mice)
- R01AI-04717-13 Toxoplasmosis-Nature of infection and immune response (human, monkeys)
- ** R01AI-05629-12 Chemistry of the interferon molecule (mice)
- R22AI-05920-12 Togavirus replication in insect and vertebrate cells
- R01AI-06045-11 Structure and synthesis of DNA (E coli, bacteriophage)
- ** R01AI-06336-10 and assembly
- ** R01AI-06862-09 Molecular mechanisms of virus replication
- R01AI-08161-07 Replication and recombination in bacterial viruses
- R01AI-08362-07 Approaches to R factor origin and expression (human, bacteria)
- R01AI-08619-07 Genetic control of non-chromosomal drug resistance (bacteria)

- ** R01AI-06722-06 Molecular studies on phage P2 and its satellite, P4
- R01AI-08837-06 Stable virus-cell associations (bacteria)
- R01AI-09083-06 Control of bacterial membrane synthesis
- R01AI-09273-06 Structure and activity of proteins (mice)
- R01AI-09215-10 Protein synthesis in bacteria
- R01AI-09460-05 Lymphocyte release cell-tinin (human, mice)
- R01AI-09559-05 Ultrastructure studies on mosquitoes and flies
- ** R01AI-10243-04 Control of gene expression in viral infection
- R01AI-10610-03 Protein metabolism in yeast
- R01AI-10658-03 Molecular aspects of transcription (antibiotics)
- R01AI-10733-03 Molecular basis of viral and cellular membrane fusion (mice)
- ** R01AI-10843-03 Molecular biology of adenovirus-associated virus
- ** R01AI-11164-02 Biosynthesis of immunoglobulins (mice)
- R01AI-11173-02 Phage P22-in vitro assembly and mode of attachment
- R01AI-11192-02 Infection of mosquitoes-Arboviruses
- R01AI-11325-02 Molecular interrelationships among AN proteins (guinea pigs)
- R01AI-11456-02 Extrachromosomal elements in gram negative bacteria (mice)
- R01AI-11519-02 Bacterial and mammalian DNA replication
- R01AI-11712-01 Degradation of T4 DNA occurring early in infection
- R01AM-03942-15 Crystal structure of ribonuclease (cattle)
- R01AM-04407-13 Molecular basis of membrane transport (human, rats, bacteria)
- R01AM-05475-13 Action of hormones and cyclic nucleotides (rats)
- ** R01AM-06845-10 Research in biochemistry
- R01AM-09131-10 Effect of amino acid analogs on protein synthesis (yeasts, rats)
- R01AM-09745-09 Inherited variations in human blood components (human, dogs, mice)
- R01AM-10010-10 Analysis of the lipids of human skin
- R01AM-10833-08 Structure of collagen (bacteria, mice, human)
- R01AM-11317-08 Mitochondria-Nucleic acid synthesis and role of DNA (rats)
- R01AM-11789-07 Active transport and membrane enzymes (bacteria)
- ** R01AM-13105-07 Molecular basis for alternative allelic patterns (blue green bacteria)
- R01AM-13532-05 Control of polyribosomes in human reticulocytes
- R01AM-14610-04 Transport of macromolecules across cells and membranes (rabbits, rats)
- ** R01AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
- R01AM-14923-03 Hemoglobin-Biosynthesis and genetics (human, goats, sheep)
- ** R01AM-14982-04 Studies in molecular hematology (animals)
- R01AM-15010-03 Investigations of rigid hemoglobin syndromes (human, animals)
- ** R01AM-15492-03 Molecular pathology of beta-thalassemia (human)
- R01AM-15913-03 Biochemical approaches to sickle cell anemia (human, primates)
- R01AM-16177-03 Mechanism of action of steroid hormones (rats)
- R01AM-16196-03 Cation transport in erythrocytes (sheep, goats)
- ** R01AM-16999-02 Molecular biology of erythroid cell differentiation (mice, rabbits, rats)
- R01CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
- ** R13CA-02809-19 Cold Spring Harbor symposium on quantitative biology
- R01CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)
- R01CA-06437-13 Molecular basis of radiation lethality (bacteria)
- ** P02CA-06519-12 0050 Radiation therapy and biology research program - Molecular mechanism in the control of viral gene expression
- R01CA-06656-12 Biochemical aspects of viral carcinogenesis
- ** P01CA-07175-11 0002 Cancer research at the McAvoy laboratory - Molecular biology of bacterial viruses (slime molds, bacteriophage)
- R01CA-08000-10 Protein biosynthesis (rabbits, tunicates, HeLa cells)
- R01CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
- R01CA-08416-09 Control of transcription and translation in mammalian cells
- P01CA-08748-09 5305 Research program of Sloan-Kettering Institute - Structure and molecular organization of biological membranes (viruses)
- P01CA-08748-09 7410 Research program of Sloan-Kettering Institute - Biochemical mechanism of resistance to P815 neoplasms (mice)

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- R01CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- R01CA-10871-07 Structure and function of chromosomal nucleohistone (animals, bacteria)
- ** P01CA-10893-06 0016 Cancer Research Center - Molecular biology of herpesviruses (mammals)
- ** P02CA-10895-06 0010 Adult leukemia research center - Molecular biology (human, dogs, birds)
- R01CA-10951-06 Control of enzymatic phosphate transfer in mitochondria (rats)
- R01CA-10984-06 Structure and function of ribonucleic acids (bacteria, bacteriophage)
- R01CA-11034-06 Relation of transfer RNA structure and function (rabbits, bacteria)
- R01CA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)
- ** R01CA-11262-06 Altered components of protein synthesis (bacteria, viruses)
- R01CA-11766-04 Ion transport and metabolic regulation in neoplasms (rats)
- R01CA-11861-05 Control of viral RNA synthesis in herpes virus infection
- ** R01CA-11895-05 Molecular biology of tumor viruses
- R01CA-11981-04 Synthetic and biological studies of nucleic acids (yeast, E. coli, bacteriophage)
- R01CA-12080-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
- ** R01CA-12101-04 Molecular biology of RNA cancer viruses (cats)
- P02CA-12197-03 0022 Multidisciplinary oncology research center - Thermoregulation of animal virus-cell interaction (frogs)
- R01CA-12235-09 Nucleic acid methylating enzymes (mammals, human, E. coli, viruses)
- R01CA-12538-03 Cancer-Cell regulation and DNA repair (human, cattle, bacteria)
- R01CA-12627-05 Polynucleotides and nucleic acids (bacteria)
- ** P01CA-12708-03 0012 Studies of normal and malignant growth - Molecular mechanisms of movement in non-muscle (human tissue culture)
- P01CA-12800-03 0003 Immune functions and cancer - Differentiation (mice, frogs)
- R01CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
- ** P01CA-13106-03 0004 Cold Spring Harbor laboratory cancer research center - Molecular genetics section
- P02CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
- R01CA-13220-03 Membrane biochemistry of neoplastic cells
- P01CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
- ** P01CA-13330-03 0063 Cancer research program - Molecular processes associated with gene modulation (mice, chickens)
- R01CA-13394-02 Mechanism of viral carcinogenesis (human)
- R01CA-13598-03 Interactions between DNA and skin-sensitizing coumarins (bacillus subtilis)
- R01CA-13808-02 Transformation and recovery of crown gall tumor cells
- P01CA-14097-02 0009 Cancer research program-Viruses; control mechanisms - Molecular nature and genetics of recombination (bacteria)
- R01CA-14434-02 Molecular basis for radiation sensitization
- ** R01CA-14551-02 Penetration of macromolecules into mammalian cells
- P01CA-14733-02 0020 Control of gene expression, virus replication and cell growth - Molecular mechanisms of virus replication
- P01CA-15655-01 0012 Cancer center support grant - Molecular and cell biology
- P01CA-15823-01 0006 Program in developmental biology of cancer - Structure and replication of oncoviruses
- P01CA-16038-01 0008 Program on the molecular basis of viral transformation - Molecular basis of genetic recombination (bacteria, viruses)
- R01CA-16106-01 Structural studies on proteins specified by SV40
- R13CA-16224-01 Selected Cold Spring Harbor summer workshops
- ** R13CA-16364-01 Mechanisms of virus disease
- R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
- R13CA-16894-01 Gordon conference on molecular pathology
- ** N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- ** N01CP-33311-02 Molecular basis of viral carcinogenesis (chick embryo, human, mammals)
- ** N01CP-33396-01 Molecular biology of EB virus and related herpes viruses in human malignancies
- ** N01CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
- ** N01CP-43287-00 Correlation of molecular virology to diagnosis of breast cancer
- P13DE-02623-00 0020 Center for oral health research - Molecular biology of oral bacteria
- P13DE-02668-00 0005 Dental research center - Neural mechanisms (mammals nonhuman)
- M P01DE-02848-06 Biology of connective tissue, bones and teeth
- P01DE-02848-06 0001 Biology of connective tissue, bones and teeth - Cellular-molecular interactions in odontogenesis (rabbits, chick embryo, mice)
- P01DE-02848-06 0016 Biology of connective tissue, bones and teeth -
- ** R01DE-03018-05 Molecular aspects of taste (mammals)
- ** R01DE-03235-03 Cellular differentiation studies in salivary glands (rabbits, chickens)
- R01ES-00656-01 Interaction of mycotoxins with macromolecules (mammals, bacteria)
- ** R13ES-01071-01 Conference of toxicity of environmental chemicals
- R01EY-00189-19 Immunological observations on ocular lens in cataract (rats)
- R01EY-00413-06 Related molecular and physiological events in vision (Drosophila)
- ** R01EY-00435-06 Molecular basis of photoreceptor activity (Limulus)
- R01EY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
- R01EY-00729-04 Molecular basis of membrane excitation (medal system, cattle)
- R01FD-00658-03 Cellular damage by visible and near-visible light (bacteria)
- R01FD-00668-01 Microwaves-Environmental factor-A molecular view
- ** R01GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
- R01GM-08647-13 Mechanism of messenger-RNA translation (microorganisms)
- R01GM-09042-13 Structural basis of ribonucleic acid specificity (mammals, bacteria)
- R01GM-10791-12 Mechanism of biosynthesis of proteins (wheat, yeast, cattle, mice, E. coli)
- ** R01GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)
- R01GM-10991-15 Physical chemistry of nucleic acids (viruses, bacteria)
- R01GM-11726-11 Gene expression and content in cell differentiation (human, mice)
- R01GM-12522-10 Enzymic mechanisms in biosynthetic pathways (microorganisms)
- ** R01GM-12551-10 Molecular mechanisms of biological control (bacteria)
- M P01GM-12847-10 Molecular biology of membrane systems
- ** R01GM-12934-10 Synthesis of infectious bacteriophage particles
- R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
- M P01GM-13543-09 Cellular and molecular pathology
- R01GM-13762-09 Molecular basis of genetic control (rat, Drosophila, mold, sea urchin, toad)
- R01GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
- R01GM-13970-08 Cytoplasmic genetic control systems (algae)
- R01GM-13972-08 Polypeptide biosynthesis-Metabolic regulation (bacteria, rabbits, yeast)
- R01GM-15381-07 Regulation of RNA synthesis in E. coli
- P01GM-15423-07 Molecular basis of control mechanisms
- ** P01GM-15423-07 0020 Molecular basis of control mechanisms - Molecular biology of membranes
- R01GM-15766-07 Regulatory mechanisms in E. coli
- R01GM-16066-07 Nucleic acid chemistry and its biomedical application
- ** P11GM-16216-06 0047 Toxicological problems of drugs (placental transfer, lactation) - Molecular basis of toxicity
- R01GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
- ** R01GM-16298-06 Molecular and genetic studies (Drosophila)
- R01GM-16317-06 Enzymology and control of amino acid activation (rats, rabbits)
- R01GM-17088-05 Molecular mechanisms in DNA replication
- R01GM-17129-04 Ribosome structure and function (E. coli)
- R01GM-17152-05 Multivalent repression-Mechanism and role of tRNA (bacteria)
- R01GM-17215-05 Renaturation and hybridization of nucleic acids (microorganisms)
- ** R01GM-18182-03 Biochemical studies on the regulation of DNA function
- R01GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
- R01GM-18608-04 Plasmid DNA replication
- R01GM-18617-04 Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells)
- R01GM-18663-03 Regulation of ribosomal DNA and RNA transcription (plants)
- R01GM-18764-03 Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats)
- R01GM-18994-03 Mechanism of chemotaxis in bacteria
- R01GM-19010-03 DNA repair in Escherichia coli and Bacillus subtilis
- R01GM-19079-03 0001 One MEV scanning transmission electron microscope - Linear non-repetitive sequence
- R01GM-19079-03 0002 One MEV scanning transmission electron microscope - Analysis of the kinetics of folding in macromolecules
- R01GM-19079-03 0003 One MEV scanning transmission electron microscope - Coalescence of large, well ordered aggregates (viruses)
- R01GM-19079-03 0004 One MEV scanning transmission electron microscope - Structural studies of the ribosomes
- R01GM-19079-03 0005 One MEV scanning transmission electron microscope - In situ analysis of organelle assembly
- R01GM-19079-03 0006 One MEV scanning transmission electron microscope - Formation and final configuration of intercellular junction in embryonic tissue
- R01GM-19079-03 0007 One MEV scanning transmission electron microscope - Distribution of specific functional sites on the surface of mammalian cells
- R01GM-19118-03 Metaglutarate dehydrogenase complex formation (cattle, E. coli)
- R01GM-19123-03 Synthesis of mammalian mitochondrial hemoproteins (rats)
- ** R01GM-19240-03 Molecular approaches to the taxonomy of yeasts
- R01GM-19261-03 Repair of damaged DNA and mutagenesis in yeast
- ** R01GM-19310-03 Molecular aspects of genetic recombination
- R01GM-19406-03 Genetic dissection of cilia and membrane (paramecia)
- R01GM-19410-03 Molecular genetics of membrane assembly in Neurospora
- R01GM-19483-05 Cell growth and division
- R01GM-19484-03 Control of DNA replication in a eukaryote (slime mold)
- R01GM-19494-03 Molecular basis of gene expression in eukaryotes (viruses, cattle)
- ** R01GM-19559-02 Genetic and molecular studies of bacterial behavior (E. coli)
- R01GM-19617-02 Genetics and physiology of developmental mutants (bacteria)
- R01GM-19673-02 RNA polymerase in bacterial differentiation
- R01GM-19795-02 Molecular mechanisms of frameshift mutation (bacteriophage)
- R01GM-19963-02 Regulation of bacteriophage T4 gene expression (E. coli)
- M R01GM-19984-02 Structure and function of proteins at molecular level
- R01GM-19984-02 0002 Structure and function of proteins at molecular level - Neurochemical processes-The cholinergic receptor molecule
- R01GM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
- R01GM-20160-02 Intermediates in DNA replication in Escherichia coli
- R01GM-20173-02 Regulation of bacterial membrane formation
- R01GM-20277-02 Attachment of ribosomes to microsomal membranes (rats)
- R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
- ** R01GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- R01GM-20308-08 Genetic and biochemical studies of Escherichia coli
- R01GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)
- ** R01GM-20367-02 Molecular aspects of membrane development (bacteria)
- R01GM-20609-02 Photo-affinity labels as probes of ribosome function (E. coli)
- R13GM-20617-01 Molecules and cell movement-A symposium (California)
- R01GM-20690-01 Macromolecular basis for ciliary motility (sea urchins, mussels)
- R01GM-21052-01 Mechanism and regulation of E. coli RNA polymerase
- R01GM-21130-01 Phototactic and chemotactic behavior of bacteria
- R01GM-21409-01 Light growth response channel of phycomyces
- R01HD-00193-19 Mechanisms of genetic control of abnormal development (mice)
- R01HD-01962-09 Constitutive heterochromatin and RNA synthesis (human, hamsters)
- R01HD-02899-07 Primary and tertiary structure of proteins (human, chicken, cattle, pigs)
- P01HD-03015-08 0020 Program for developmental biology - Morphogens in retino-tectal connections (toads)
- R01HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
- M P01HD-05796-03 Aging in connective tissue, brain and auditory system
- M P01HD-06576-01 Molecular aspects of mental retardation
- ** P01HD-06576-01 0004 Molecular aspects of mental retardation - Metachromatic leukodystrophy and transferase deficiency galactosemia (human)
- P01HD-06576-01 0005 Molecular aspects of mental retardation - Characterization of the genetic lesion in phenylketonuria (human, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01HD-06576-01 0006 Molecular aspects of mental retardation 2 The phenylalanine hydroxylase gene—Cell culture and somatic hybridization (rats)
 R01HD-08192-02 Mechanism of action of estrogens (rats)
 R01HD-08211-01 Reproductive biology of the testis (rats, human)
 R01HD-08450-01 RNA polymerases during cellular differentiation (insects)
 R01HL-02799-17 Abnormal hemoglobins (human)
 R01HL-04385-15 Distribution and function of the isopeptide bond
 ** P01HL-06285-14 0174 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and tropinin in muscle—Myosin light chains
 ** P01HL-06285-14 0175 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and tropinin in muscle—Troponin and tropinin
 ** P01HL-06285-14 0176 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and tropinin in muscle—Kinetics of ATPase reaction
 P01HL-06285-14 0193 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport—Aldosterone (rats)
 P01HL-06285-14 0194 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport—RNA synthesis (rats, toads)
 P01HL-06285-14 0196 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport—Epithelial cell membranes (toads)
 ** P01HL-06285-14 0215 Cardiovascular-respiratory physiology and biochemistry - Conformation of biopolymers
 R01HL-08299-11 Molecular biology of hemerythrin and hemocyanin (invertebrates)
 R01HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
 M P01HL-11310-08 Mechanisms of cardiovascular disease
 ** P01HL-11310-08 0042 Mechanisms of cardiovascular disease - Conformations and molecular associations within the arterial wall (human, dogs)
 ** P01HL-11310-08 0043 Mechanisms of cardiovascular disease - Molecular biophysics
 P01HL-11351-08 Molecular, cellular, and physiological investigations
 P01HL-12157-07 0015 Functions and mechanisms of cell membrane ion transport - Spin-labeled membranes and related model systems
 R01HL-12549-06 Peptide bond formation and hemoglobin synthesis (rabbits)
 R01HL-13338-06 Oxygen transport and chemical contents of erythrocytes (human)
 P01HL-13979-04 0017 Cardio-pulmonary-renal program - Gelation of deoxygenated sickle cell hemoglobin (human)
 P17HL-14217-04 0017 Specialized center of research in thrombosis - Structural protein from red cell membranes
 R01HL-14273-03 Function of elongated t-fatty acids in tissue lipids (rats)
 R01HL-15230-01 Molecular basis of V Willebrand's disease and hemophilia (dogs)
 R01HL-15793-02 Molecular aspects of erythrocyte membrane resealing (animals)
 M P01HL-16411-01 Blood systems in coagulation and vessel disease
 ** P01HL-16411-01 0001 Blood systems in coagulation and vessel disease - Molecular studies of the role of complement in blood coagulation (human, rabbits)
 ** P01HL-16411-01 0003 Blood systems in coagulation and vessel disease - Molecular events involving the late stages of coagulation (rabbits)
 P01HL-16411-01 0006 Blood systems in coagulation and vessel disease - Factor VII—Immunobiochemistry and immunobiology (human, mice)
 R01HL-16445-01 Regulation of fibrinogen biosynthesis (human, rats)
 P01HL-16607-01 0002 Calcium ion and control of cardiovascular function - Structure and function in sarcoplasmic membranes
 M P01HL-16833-01 Hemoglobin and red cell system in hemoglobinopathies
 P01HL-16833-01 0011 Hemoglobin and red cell system in hemoglobinopathies - Relationship between hemoglobin and RBC membrane in sickling cells (human, rats)
 P01HL-16851-01 0006 Human red cell membrane in health and disease - Heme transport and erythrocyte membrane proteins (human)
 ** R01MH-18136-04 Molecular approaches to behavior (rats)
 R01MH-26237-01 0002 Biogenic amine and CNS phospholipid metabolism - Biogenic amine subcellular and molecular effects on CNS phospholipid metabolism
 ** R01NS-04270-12 Molecular neurobiology—Proteins of the nervous system (rodents, snakes)
 R01NS-04656-11 Protein synthesizing machinery (frogs)
 ** R01NS-08174-06 Molecular properties of ionic permeability in nerve (frogs)
 R01NS-08951-06 Permeability mechanisms in excitable membranes (squid)
 R01NS-10277-02 Mechanisms of variable synaptic efficacy (frogs)
 M P01NS-10299-03 Biophysical and biochemical studies of cellular membranes
 P01NS-10299-03 0017 Biophysical and biochemical studies of cellular membranes - Isolation of urinary bladder membrane subunits
 P01NS-10299-03 0019 Biophysical and biochemical studies of cellular membranes - Interaction of SDS with BSA
 R01NS-10013-02 Genetic transcription in the mammalian brain (mice, monkeys)
 P07RR-00798-01 Southern New England high field NMR facility
 ** S06RR-0050-03 Interdisciplinary research in molecular biology (Bishop college)
MOLECULAR BIOLOGY STUDY SECTION
 ** R01AI-04915-19 Growth and development in cellular slime molds
 ** R01AI-08909-06 Macromolecular synthesis in virus infected cells (chick embryo)
 R01AI-09288-05 Subcellular components of bacterial and animal cells (mice)
 ** R01AI-10424-03 Polyamines in cellular metabolism and function (microorganisms, mice, algae)
 ** R01AM-02809-16 Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid)
 R01AM-03014-16 Metabolic studies of intestinal mucosa
 R01AM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)
 ** R01AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
 ** R01AM-07578-13 Ultrastructure and function of the gastric mucosa (mice)
 ** R01AM-08575-10 Biosynthesis of human and rabbit hemoglobins
 ** R01AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
 ** R01AM-12028-08 Ion transport across epithelial membranes (frogs, toads, rabbits)
 ** R01AM-13336-06 Regulation of protein synthesis in mammalian liver (mice)
 ** R01AM-13620-06 Biosynthesis of liver proteins by ribosomes (rats)
 R01AM-13659-04 Trans epithelial sodium transport (toad)
 R01AM-13660-04 Pathology of biomedical disorders in vitro
 ** R01AM-13748-06 Molecular development of collagen fibers (chicks, mice, hamsters)
 ** R01AM-14272-05 Electron probe investigation of cell calcium (chick embryo)
 R01AM-14548-05 Biogenesis of mitochondria during renal hypertrophy (rats)
 ** R01AM-14632-11 Membranes and organelles—Structure and function (human, rats)
 ** R01AM-15287-03 Cartilage production in cell culture (chick embryo, human)
 ** R01AM-15465-03 Normal and pathological lysosomal metabolism (rats)
 ** R01AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
 ** R01AM-15656-03 Molecular pathology of heritable disorders (human, mice)
 ** R01AM-15851-03 Liver plasma membrane protein turnover in cholestasis (rats)
 ** R01AM-15917-03 Hemoglobin production during animal development (chick embryo)
 ** R01AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
 R01AM-16020-03 Interrelationship among cartilage matrix components (calf)
 R01AM-16138-03 Basement membranes (dogs)
 ** R01AM-16162-03 Collagen synthesis and its regulation (chick embryo)
 ** R01AM-16466-01 Cell differentiation (chick embryo)
 ** R01AM-16537-01 Fluorophosphate-sensitive esterases in the liver (mice, human)
 ** R01AM-16859-01 Glycoprotein metabolism in cystic fibrosis
 ** R01AM-17223-01 Role of Golgi apparatus in kidney cells (rats)
 ** R01AM-17255-01 Dissociated and separated gastric cell types (mice)
 ** R01AM-17310-01 Thyroglobulin mRNA—Isolation and characterization (rats, human)
 ** R01AM-17476-01 Physiologic regulation of lipid metabolism (rats)
 ** R01AM-17742-01 Role of glycoproteins in pancreatic secretion (rats, dogs)
 ** R01AM-17766-01 Selective differentiation—Human islet organ culture (fetal)
 ** R01AM-17772-01 Quantitative histochemistry of gastric acid secretion (rats)
 R01CA-06663-13 Mechanisms of control of mammalian cell multiplication (rats)
 ** R01CA-07489-11 Biochemical studies on lysosomes and related enzymes (rats, protozoa)
 R01CA-08893-07 Protein synthesis in normal and malignant cells (rats)
 R01CA-10171-09 Submicroscopic structure of living cells (marine biology)
 R01CA-10419-06 Different responses of cells to glucocorticoids (rats, mice, human)
 ** R01CA-10596-07 tRNA methylases in normal and neoplastic tissue
 R01CA-10619-06 Synchronized cells—Controls in growth and division (hamsters)
 ** R01CA-10922-06 Metabolism of animal cell ribosomes (human)
 R01CA-10993-06 Processing of ribosomal RNA in human cancer (HeLa cells)
 ** R01CA-11463-05 Regulation of histone biosynthesis in heteropolyploid cells (HeLa cells)
 ** R01CA-11524-04 Control of replication in human lymphocytes
 ** R01CA-11797-05 mRNA translation in normal and neoplastic cells (mammals, microorganisms, beans)
 R01CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
 R01CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
 R01CA-12191-05 Hormones and control mechanisms in cultured mammalian cells (rats)
 R01CA-12229-05 Biochemistry of regulatory processes in synchronized cells (HeLa, rats)
 ** R01CA-12306-04 Initiation of fibroblast division by glucocorticoids (3T3 fibroblasts)
 ** R01CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
 ** R01CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
 ** R01CA-12468-04 Mitochondrial proteins and control by pigmentation genes (mice)
 ** R01CA-12718-03 Membrane properties of normal and tumor cells (human)
 ** R01CA-12752-03 Protein synthesis in tumors (mice, bacteria)
 R01CA-12808-03 Protein turnover during neoplasia (rats)
 ** R01CA-12809-03 Protein initiation in a model mammalian cell-free system (chick embryo)
 ** R01CA-12810-03 Proteinases as growth stimulators of animal cells (mice)
 ** R01CA-12857-03 Function and interactions of mammary carcinoma cells (rats)
 ** R01CA-12858-03 Biogenesis of lysosomes—Normal and neoplastic tissue (rats)
 ** R01CA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
 ** R01CA-12920-03 Molecular basis of intercellular adhesion (mice, chick embryo)
 R01CA-13061-03 Problems of membrane biology and oncogenesis
 ** R01CA-13145-03 Glycolipid metabolism and tumorigenesis (human, mammals, birds, fish)
 R01CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)
 ** R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)
 ** R01CA-13400-02 Macromolecular events in synchronized tumor cells
 R01CA-13412-03 Role of phospholipase in neoplasia (rats)
 R01CA-13414-03 Replicon control in normal and transforming cells (hamster)
 ** R01CA-13422-02 Biochemical studies of rat hepatoma cells in culture
 ** R01CA-13434-03 Plasma membrane DNA in neoplastic and normal cells (human, monkeys, rodents)
 ** R01CA-13458-02 Membrane structure, control of cell division and cancer (human)
 R01CA-13513-03 Surface properties of virally transformed and revertant cells (mice)
 ** R01CA-13596-03 Directed protein synthesis in mammalian cells (rabbits, mice, HeLa cells)
 R01CA-13609-03 Senescence, malignancy and membrane destabilization (human, mice, rats)
 ** R01CA-13638-03 Cyclic nucleotides in HeLa cell growth
 R01CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
 R01CA-13845-02 Replication of wet cancer cell surfaces
 M R01CA-13992-02 Surface membranes of normal and cancer cells
 ** R01CA-14037-01 Membrane structure related to oncogenesis and cell division (cell lines)
 ** R01CA-14345-01 Membrane turnover and repair in normal and malignant cells (toads, mammals)
 R01CA-14609-02 Adhesion of normal and malignant mammalian cells (hamster)
 R01CA-14630-02 Turnover of ribosomal RNA in virus transformed cells
 R01CA-14780-02 Transport by membrane vesicles of cultured tumor cells
 R01CA-14821-02 Steroid hormone control of tumor cell growth in vitro (hamster)
 ** R01CA-15087-01 Growth control of SV40 virus transformed 3T3 cells
 ** R01CA-15114-01 Plasma membrane of normal and cancer cells
 ** R01CA-15122-01 Cell surface properties of metastatic tumors (cell lines)
 ** R01CA-15141-01 Control of nuclear events in normal and neoplastic cells (human, mice)
 ** R01CA-15161-01 Biochemistry of normal and malignant cell surfaces (mouse cell lines)
 ** R01CA-15305-01 Effect of malignancy on cell growth requirements (rabbit)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01CA-15330-01 Electron diffraction of cancer cell membranes (human)
- ** R01CA-15697-01 Altered RNA metabolism in chronic lymphocytic leukemia (human)
- ** R01CA-15831-01 Nuclear envelope in normal and tumor cells (mice)
- ** R01CA-15858-01 Control of growth of malignant cells by serum factors (mouse fibroblast)
- ** R01CA-15883-01 Agents inhibiting phosphodiesterases of cancer cells (mice, human)
- ** R01CA-15905-01 Ribosomal RNA synthesis in normal and cancer cells
- ** R01CA-16006-01 RNA and growth control in animal cells
- ** R01CA-16123-01 Esterases and amidases in oncogenic transformation (mammals, viruses)
- ** R01CA-16262-01 Subunit structure and function of oncornavirus RNA
- ** R01CA-16279-01 Cyclic AMP levels in tumor cells (mice)
- ** R01CA-16292-01 Glycosyltransferases and contact inhibition (mice)
- ** R01CA-16895-01 mRNA synthesis and turnover in tumor cells (mouse L-cells)
- ** R13CA-16907-01 Gordon conference on biological regulation mechanisms
- ** R01CA-16927-01 Membrane lipids in neuroblastoma differentiation (mice)
- ** R01CA-16961-01 Membrane biosynthesis in normal and neoplastic cells (mouse myeloma)
- ** R01CA-17037-01 Serum protein synthesis by mouse hepatoma cells
- ** R01EY-00932-02 Molecular organization in red outer-segment membranes (cattle)
- ** R01EY-01344-01 Freeze-fracture studies of the retina (monkeys, rabbits, turtles)
- ** R01GM-04738-18 Submicroscopic organization of chromosomes (animals, fungi)
- ** R01GM-05365-17 Biological investigations with isotopes
- ** R01GM-06637-15 Support of central laboratory for electron microscopy (biology)
- R01GM-08968-13 Electron microscope studies of nucleic acid structures (flies, viruses)
- ** R01GM-09654-13 Histone metabolism (liverwort, insects)
- ** R01GM-10717-12 Nucleic acid metabolism of mammalian cells in culture
- ** R01GM-11214-11 Structure and function of membranes in nitrifying bacteria
- ** R01GM-11494-11 Ion transport in tissues of hibernating mammals
- ** R01GM-11852-11 Low-voltage electron microscopy
- ** R01GM-11873-11 Fine structure of chromosomes (human)
- ** R01GM-12179-10 Developmental control mechanisms (Euglena, B subtilis)
- ** R01GM-12422-10 Inositol metabolism (plants, algae)
- ** R01GM-12427-10 Organization of animal cell nuclei (insects, toads)
- R01GM-12873-10 Biomolecular structure by electron microscopy
- ** R01GM-14237-09 Electron microscopy of macromolecular systems (mammals, E coli)
- ** R01GM-14363-09 Molecular biology of fertilization and early mitosis (sea urchins)
- ** R01GM-14582-08 Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters)
- ** R01GM-14642-07 Synthesis and assembly of microtubules (algae)
- ** R01GM-14957-07 R-RNA, ribosome synthesis in bacteria and animal cells
- ** R01GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E cell, T3)
- ** R01GM-15438-07 Characterization of mammalian mitochondrial ribosomes (cattle, E coli)
- M R01GM-15508-07 Cell regulation and fetal proteins in neoplasia
- R01GM-15661-06 Chemistry of metaphase chromosomes (flies)
- ** R01GM-15837-07 Structure and function of lipids in the cell membrane (viruses, bacteria)
- ** R01GM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
- ** R01GM-16195-06 Biomolecular structure by electron microscopy
- ** R01GM-16389-06 Proteins of the cell membrane (human, rabbits)
- R01GM-16454-06 Fundamental studies on biological electron imaging
- ** R01GM-17239-05 Control of gene expression in mammalian cells (rats)
- ** R01GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
- ** R01GM-17724-04 Plasma membrane structure, function and biogenesis (rats)
- ** R01GM-17773-04 Membrane formation in cytodifferentiation (rat pancreas)
- ** R01GM-17856-03 Role of cyclic AMP in development (protozoa, fungi)
- ** R01GM-18006-03 Membranes of bacteria and tumor cells (E coli)
- R01GM-18103-02 Mitochondrial biogenesis during oogenesis (Xenopus laevis)
- ** R01GM-18204-04 High voltage Alfresco scanning electron microscopy
- ** R01GM-18375-04 Structure of mitochondrial and kinetoplast DNA (plants, protozoa, amphibians)
- ** R01GM-18539-03 Membrane biogenesis and function (bacteria, chick embryo)
- R01GM-18541-04 Structural analysis of crystalline ribosomes (chick embryo)
- ** R01GM-18855-03 Ribosome function in eukaryotes
- ** R01GM-18855-03 Lipids and control of mitochondrial biogenesis (yeast)
- ** R01GM-18881-09 Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle)
- ** R01GM-18921-03 Phospholipid-protein interactions and membrane function
- ** R01GM-18970-03 Microsomal membrane enzymes—isolation and reassembly (chickens)
- ** R01GM-18973-03 DNA replication of phage P22
- ** R01GM-18974-03 Biochemistry and function of intercellular junctions (mice)
- M R01GM-19079-03 One MEV scanning transmission electron microscope
- R01GM-19090-03 Mechanisms of bioenergetic reactions (fungi)
- ** R01GM-19090-03 Molecular basis of differentiation (toads)
- ** R01GM-19154-03 Control of surface protein synthesis (microorganisms)
- ** R01GM-19334-02 Physical properties of isolated nuclei and chromosomes (rats, chickens)
- ** R01GM-19378-02 Regulation of the production of mammalian ribosomes (mouse L-cells)
- R01GM-19484-03 Control of DNA replication in a eukaryote (slime mold)
- ** R01GM-19627-01 Contractile mechanism of vertebrate smooth muscle (children)
- ** R01GM-19677-02 Isoleucine-mediated initiation of DNA synthesis
- ** R01GM-19699-01 Membrane structure and function (rats)
- ** R01GM-19808-02 Biosynthesis of cell-membrane saccharides (bacteria, human, mammals, subhuman)
- R01GM-19871-02 Gene-Enzyme control in normal and cancer cells (mammals, microorganisms)
- ** R01GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
- R01GM-20001-02 Biogenesis of cellular membranes (rats, ducks)
- R01GM-20101-03 Growth control by serum factors in liver cells (rats)
- ** R01GM-20111-02 Role of transfer RNA in the control of cell division (rats)
- ** R01GM-20113-01 Structure and function in low resistance junctions (crayfish, rats, mice)
- ** R01GM-20147-02 Synthesis and regulation of eukaryotic ribosomal RNA (rats, anurans)
- ** R01GM-20149-01 Biochemistry of membrane assembly and stability (Tetrahymena)
- ** R01GM-20285-02 Developmental changes in erythrocyte and sperm proteins (frogs, mice)
- ** R01GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- ** R01GM-20470-02 Molecular mechanisms of intracellular integration (plants, bacteria)
- ** R01GM-20535-01 Gene regulation during cell cycle by acidic nuclear prot (human)
- ** R01GM-20549-02 Fluorescence and electron microscopy of chromosomes (human, toads)
- R01GM-20550-02 Radiation damage above 1 MEV in biological EM
- ** R01GM-20644-01 Formation and function of microtubules
- ** R01GM-20664-01 Molecular regulation of cell growth in culture (peanut plant)
- R01GM-20779-01 Nonhistone chromosomal proteins (Drosophila)
- ** R01GM-20926-01 Lysosomal membranes—Chemical composition (rats, rabbits, human)
- ** R01GM-21000-01 Regulation of growth hormone messenger RNA (rats)
- ** R01GM-21002-01 Aminoacyl-tRNA synthetase formation in animal cells
- ** R01GM-21016-01 Surface protein transformation
- ** R01GM-21040-01 Microtubule substructure (sea urchin, bay scallop, mussel)
- ** R01GM-21077-01 Membranes prior to and during fusion in secretion (protozoa, mammals)
- ** R01GM-21080-01 Defective protein synthesis by modified ribosomes (bacteria)
- ** R01GM-21205-01 Molecular biology of aging fungi as models
- ** R01GM-21346-01 Arrangement of repetitive DNA sequences in humans
- ** R01GM-21352-01 RNA conformation and protein-RNA recognition
- ** R01GM-21357-01 Processing and turnover of cell nuclear RNA (human)
- ** R01GM-21376-01 Transcriptional restriction in embryonic development (shrimp)
- ** R01GM-21424-01 Effects of ribosome phosphorylation on translation (rabbit)
- ** R01HD-00038-10 Protein synthesis during embryogenesis (amphibians)
- ** R01HD-00047-10 Control of cell differentiation in culture (chick embryo)
- ** R01HD-00143-15 Cytology of growing and differentiating cells (animals)
- ** R01HD-00189-21 Mechanisms in differentiation of mesodermal tissues (chick embryo, anopus)
- ** R01HD-00700-11 Epidermal growth factor (mice, human)
- ** R01HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, virus)
- ** R01HD-03316-06 Protein synthesis in muscle differentiation (chick embryo)
- M R01HD-04004-06 Programmed senescence in cultured human cells
- ** R01HD-04229-06 Cytoplasmic regulation in early cell differentiation (frogs)
- ** R01HD-04617-06 Macromolecular modification on ontogeny (animals, microbes)
- R01HD-04639-05 Temporal order and aging in cultured somatic cells (rats, hamster)
- ** R01HD-04701-05 Developmental biology (moths)
- ** R01HD-04722-02 Control of development of cellular slime molds
- ** R01HD-04906-05 Molecular approach to fertilization (frogs)
- ** R01HD-05050-03 Control of extracellular matrix synthesis (chick embryo)
- ** R01HD-05506-04 Hormonal regulation of growth and differentiation (rats, human)
- ** R01HD-05753-05 Oogenesis and gene control in reproduction
- ** R01HD-05761-04 Membrane function in aging and development (rats)
- ** R01HD-00203-03 Biochemical changes in developing and aging muscles (rabbits, rats, chicken)
- R01HD-06422-03 Mitochondrial biogenesis in the mammary explant (mice)
- ** R01HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, catfish)
- ** R01HD-06565-07 Structural basis of spermatozoan motility (sea urchins, cattle)
- R01HD-06574-04 Developmental regulation of macromolecular metabolism
- R01HD-06712-03 Regulation of enzyme levels in brain (mice)
- ** R01HD-06855-02 Mechanisms of growth control in mammalian cells (cattle, rodents)
- ** R01HD-06855-02 Developmental aspects of cell surfaces (chick embryo)
- ** R01HD-07083-02 Control of proliferation during muscle development (quail)
- ** R01HD-07136-01 Alpha-1 fetoprotein in mammalian hepatomas and growth (human, rats)
- ** R01HD-07137-01 Contact behavior of developing and transformed cells (mice, fundulus)
- ** R01HD-07375-02 Molecular basis of neuromuscular development (nematodes)
- ** R01HD-07461-01 An inhibitor of DNA synthesis of placental origin (human, rats)
- ** R01HD-07703-01 Participation of cyclic AMP system in cellular aging (WI-38 cells)
- ** R01HD-07908-01 Metaplasia in nondividing cell system (insects)
- ** R01HD-07986-01 Enzyme turnover during growth and development (chlorophyta)
- ** R01HD-08057-11 Polysaccharide structure and activity (bacteria, chick embryo, Xenopus)
- ** R01HD-08268-01 Vertebrate sex cell development (Xenopus)
- ** R01HD-08341-01 Pretranscriptional control of development (tadpoles)
- ** R01HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
- ** R01HL-09125-10 Ultrastructural cytochemistry (human, rodents, rabbits)
- ** R01HL-13003-05 Assembly of membranes in heart and yeast mitochondria
- ** R01HL-14399-03 Lung collagen and elastin (guinea pigs)
- ** R01HL-14698-02 Organization of arterial ground substance (cattle)
- R01HL-14960-06 Control of gene expression in differentiating cells (human, sheep)
- ** R01HL-15645-02 Fluorescence and excitation-contraction in heart (rabbits)
- R01HL-15687-05 Chemical studies on cell membranes and components (cattle)
- ** R01HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
- ** R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- ** R01HL-16895-01 Particulate prolyl hydroxylation in lung (rats)
- ** R01NS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- ** R01NS-05430-09 Changes in brain microsomal structure and composition (rats, rabbits, fish)
- ** R01NS-06610-08 In vitro biology of brain cellular species (rats, mice)
- ** R01NS-07402-07 Physiological regulation of cell metabolism (bivalves)
- ** R01NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
- ** R01NS-08862-05 Metabolism of cells and parts of cells in nervous tissue (mammals)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Distinguished significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** ROINS-09299-04 Macromolecular control of neuronal function (squid, *Muscula*, rats)
- ** ROINS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- ** ROINS-10221-02 Biochemical aspects of myelination (rats, mice)
- ROINS-10489-03 Nerve excitation—Molecular mechanisms (squid)
- ** ROINS-10638-02 Molecular control of excitability of muscle membrane (mice)
- ** ROINS-10665-02 Human skeletal muscle in tissue culture
- ** ROINS-10845-01 Physiology and pharmacology of ciliated epithelium (bivalve, frog, chick, rat)
- ** ROINS-10861-02 Clonal lines of nervous system cells in tissue culture (human, rats)
- ** ROINS-11329-01 mRNA metabolism in differentiating cells (mice)
- ROINS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
- ** ROINS-11549-01 Synapse formation in cloned cell lines (mice, rats)
- M ROINS-12047-04 Role of lipids and lipoproteins in membranes
- ** P07RR-00715-02 Electron microscope facility
- ** R2ARR-00754-01 HVEM

MOLECULAR CONDENSATIONS

- ROIAM-11702-06 Phosphato reaction mechanisms of biochemical interest
- ROIGM-16944-05 Stereochemical studies of biosynthetic reactions
- ROIGM-21073-01 The molecular mechanism of genetic recombination (E coli)
- ** ROIGM-21328-01 Substrate analogs for terpene condensation reactions
- ROIHL-10406-09 Synthesis, metabolism and function of lipids (rats, bacteria)

MOLECULAR CONDENSATIONS, COPOLYMERS

- ROIAM-08465-09 Interactions in synthetic polyamine acids
- POIAM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
- ** ROICA-06838-11 Syntheses related to polymers of anticancer activity
- ROICA-10537-05 RES function, tumor induction and growth (mice)
- ROICA-12231-03 Synthetic macromolecules as anti-tumor agents
- ROICA-14551-02 Penetration of macromolecules into mammalian cells
- ROIDE-02494-08 Development of an adhesive restorative material (human)
- ** ROIGM-12307-10 Specific counterion binding by polyelectrolytes
- POIGM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
- ROIGM-15256-07 The esterolytic catalysis of polymeric imidazoles
- ROIGM-19883-01 Polyanions—Model gene regulators
- M ROIHL-15195-01 Program project in biological materials
- ROIHL-15195-01 0001 Program project in biological materials - Design and synthesis

MOLECULAR CONDENSATIONS, DIMERS

- ROICA-08495-09 Fused heterocycles as potential anticancer agents
- ROICA-12627-05 Polynucleotides and nucleic acids (bacteria)
- ROIGM-09410-12 Hemoproteins, lysozyme and insulin (human, horses)
- ROIGM-19362-06 Biological importance of pyrimidine photolysates
- ** ROIGM-20373-01 Genetic control of myogenesis in *Drosophila*
- ROIGM-21040-01 Microtubule substructure (see urchin, bay scallop, mussel)
- ROIGM-21119-01 Biosynthesis of bacteriophage T4 transfer RNAs
- ROIGM-21364-01 Arginine deiminase—A Mechanistic analysis (mycoplasma, turkeys)
- ROIHL-06285-14 0164 Cardiovascular-respiratory physiology and biochemistry - CPK MB isoenzyme concentration to quantify infarct size (human, animals)
- ROIHL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)

MOLECULAR CONDENSATIONS, MONOMERS

- ** ROICA-06838-11 Syntheses related to polymers of anticancer activity
- ROICA-11165-06 Allosteric regulation of monomeric enzymes (bacteria)
- ROIDE-03869-01 Dental resins with monomers that expand on polymerization
- ROIGM-18595-04 Synthesis of unsubstituted chains of polysaccharides
- P17HL-14217-04 0018 Specialized center of research in thrombosis - Electron microscopic study of fibrinogen structure
- ROINS-09349-04 Intravascular magnetic techniques and the nervous system (human, mammals)

MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION

- ROIAI-09352-05 Chemistry and biosynthesis of cell-surface polymers (bacteria)
- ROIAI-09584-05 Synthetic hapten-oligopeptides as model antigens (guinea pigs)
- ** ROIAI-10854-03 J chain of human pathologic immunoglobulins
- ROIAI-11164-02 Biosynthesis of immunoglobulins (mice)
- POIAI-11851-01 0007 Biology and biochemistry of lymphocyte surface - J chain synthesis and its role in Ig polymerization and secretion (mice, human)
- ROIAM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
- ROIAM-07140-10 Formyltetrahydrofolate synthetase (bacteria)
- ROIAM-10588-09 Synthesis of compound saccharides
- ROIAM-12180-06 Pyruvate decarboxylase—Coenzyme effect on structure (yeast)
- ROIAM-12597-06 Studies of sickling mechanisms and minor hemoglobins (human)
- ** ROIAM-12803-16 Structural basis of cellular function (animals, microorganisms)
- ** ROIAM-13332-06 Metabolic regulation and interacting enzyme systems (cattle, rats)
- ROIAM-14574-05 Apocarbonylase activation by ϵ -biotin (human, chickens, cattle, E coli)
- ROIAM-14776-03 Disassembly of the T-Z1 bands of striated myofibrils (rabbits)
- ROIAM-15053-04 Structure and function of Hb A and Hb S (humans)
- ROIAM-16688-02 Conformational transitions of allosteric enzymes
- ROIAM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
- POICA-13038-03 0080 Experimental therapeutics and cancer drug program - Deoxynucleotide polymerizing enzymes from human cells
- POICA-13038-03 0081 Experimental therapeutics and cancer drug program - Polynucleotides, streptoviricins and deoxynucleotide polymerizing enzymes
- POICA-14599-01 0017 University of Chicago Cancer Research Center - Proteins of 40S and 60S subparticles of eukaryotic liver ribosomes (rats)
- ROICA-16343-01 Mechanism of action of the photoreactivating enzyme
- ROIDE-01769-12 Dental restorative adhesives and coatings
- ROIDE-03101-04 Biosynthesis of dextrans by cariogenic streptococci (rabbits, mice)
- ROIDE-03578-03 Mechanism of dextran biosynthesis by *Leuconostoc*
- ROIDE-03869-01 Dental resins with monomers that expand on polymerization
- ROIES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)
- ROIGM-05919-16 0013 Enzymatic activities of mitochondria - Isolation and properties of matrix reticular protein (rats)
- ROIGM-06168-16 Stereospecific synthesis of polysaccharides
- ** ROIGM-10403-12 0001 Biophysical studies on viral structure and function - Polymerization of TMV protein
- POIGM-10403-12 0006 Biophysical studies on viral structure and function - TMV and TMV RNA
- ROIGM-11973-09 Biosynthetic intermediates of porphyrins
- POIGM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
- ROIGM-13684-08 Structures of optically active macromolecules
- ROIGM-13914-09 0002 Macromolecules of circulatory and genetic importance - Antibody hapten systems (rabbits)
- POIGM-15003-13 0017 The biological functions of metals - Biomacromolecular directed transport in structure studies
- ROIGM-16133-07 0001 Immobilized enzymes to analyze and alter metabolism - Glucose enzyme electrode
- POIGM-16593-06 0005 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on aggregation-disaggregation phenomenon of enzymes
- POIGM-16934-06 0012 Sulfonamides and carbonic anhydrase—Basis for therapy - Physiological substrates other than carbon dioxide
- ROIGM-18100-03 Factors which control the assembly of microtubules (protozoa, chickens, sea urch)
- ROIGM-18595-04 Synthesis of unsubstituted chains of polysaccharides
- POIGM-19100-03 0032 Genetics research center - Molecular aspects of polymerization of hemoglobin S
- ROIGM-19289-03 Microfilaments, morphogenesis, and cytodifferentiation
- ** ROIGM-20304-02 Reduction and oligomerization of polyunsaturates
- NOIHB-22922-03 Develop effective therapy for sickle cell disease (human, dogs)
- ** ROIHL-01662-21 Equilibria in the fibrinogen-fibrin conversion (human, cattle)
- ** ROIHL-12256-10 Polymerization of sickle-cell hemoglobin (human)
- ROIHL-12759-05 Fibrin formation—Molecular basis and regulation (human, cattle)

- ROIHL-13768-11 Viscoelasticity studies of blood coagulation (cattle, human)
- P17HL-14217-04 0010 Specialized center of research in thrombosis - The clottable protein of *Limulus polyphemus* blood cells
- P17HL-14217-04 0018 Specialized center of research in thrombosis - Electron microscopic study of fibrinogen structure
- P17HL-14217-04 0025 Specialized center of research in thrombosis - Factor XIII induced cross-linking of fibrinogen derivatives
- P17HL-14217-04 0042 Specialized center of research in thrombosis - Interaction of cells with polymerizing fibrin (human, rabbits, swine)
- P17HL-14230-04 0064 Lipids, atherosclerosis and thrombosis - Abnormal fibrinogen with no clinical symptoms (human)
- ROIHL-14880-02 New chemotherapy of sickle cell disease (human)
- POIHL-15195-01 0001 Program project in biological materials - Design and synthesis
- ** ROIHL-15226-02 Interaction of cells with polymerizing fibrin (human, pigs, rabbits)
- ROIHL-15668-02 0002 Extracorporeal respiratory gas exchange—New approach - New membrane technology for extracorporeal lung devices (dogs)
- POIHL-16833-01 0001 Hemoglobin and red cell system in hemoglobinopathies - Motility, association and ligand binding in hemoglobin-Hydrogen exchange
- ** POIHL-16833-01 0002 Hemoglobin and red cell system in hemoglobinopathies - Polymerization and gel formation in solutions of hemoglobin A and S
- ROINS-09349-04 Intravascular magnetic techniques and the nervous system (human, mammals)
- ROINS-10709-01 GTP and tubulin structure (sheep)
- ** ROINS-11360-01 Properties of microtubular proteins (mammals, sea urchin)

MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)

- SEE ALSO MOLECULAR CONDENSATIONS, RESINS
- SEE ALSO MOLECULAR FILMS
- SEE ALSO PHYSICAL PROPERTIES, SURFACTANTS, POLYOXALENE
- SEE ALSO PLASTICS
- ** ROIAM-07825-08 0001 Immunological studies with synthetic polypeptides - Antigenic determinants in polymers of amino acids (rabbits, sheep)
- P15AM-11403-02 0001 Allergic diseases center grant - Immunotherapy with polymerized ragweed antigen E (human)
- NOIAM-02100-10 Clinical evaluation of polycarbonate membranes for hemodialysis
- ROIAM-02493-16 Purification and structure of active principles
- ROIAM-10960-08 Topochemistry of urease and its hydrazamate inhibitors (plants, bacteria, rodent)
- ** ROIAM-15010-03 Investigations of rigid hemoglobin syndromes (human, animals)
- ROIAM-15684-03 Chemistry and metabolism of polysaccharides (human, mice, bacteria)
- ** ROIAM-15964-03 Biopolymer chain conformations
- POIAM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
- ROIAM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
- POIAM-17110-07 0011 Program project in biomaterials calcified tissue - Natural and synthetic biopolymer systems
- ** PO2CA-06973-12 0029 Integrated clinical cancer research program - Cell metabolism—Prostatic growth and effects of acidic polymers (rats, mice)
- ROICA-12043-03 Biophysical and clinical studies of melanoma (human, mice)
- ** ROICA-13107-03 Macrorregulation—A model for cancer (Neurospora)
- ROICA-13153-03 Stabilized polynucleotides—Interferon inducers
- ROICA-14551-02 Penetration of macromolecules into mammalian cells
- ** ROICA-15583-01 New approaches to cancer chemotherapy (mice)
- ROICA-15926-01 Immune reagents for tumor research and immunotherapy (mice)
- NOICP-43248-00 Research on preparation of polymers containing carcinogenic moieties
- NOIDA-30265-00 Division of narcotic abuse and drug addiction (animals)
- NOIDA-30267-00 Development of drug delivery systems in treatment of narcotic addiction
- ROIDE-02494-08 Development of an adhesive restorative material (human)
- P13DE-02668-08 0023 Dental research center - Biomaterials (human)
- P13DE-02731-08 0009 Development support for dental research institute - Dental prosthetics-mechanics (human, rats)
- POIDE-02847-06 0014 Microbial ecology and its relation to dental disease - Adsorption of odontopathic bacteria to hydroxy apatite surfaces (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01DE-03180-04 Microbiologic studies of the human oral streptococci
- R01DE-03416-03 Wear of tooth enamel-Composites and amalgam (human)
- R01DE-03505-06 Standard test methods for biomaterials and instrumentation
- R23DE-03690-02 Materials testing of polymer replica dental implants
- N01DE-42435-00 Development of improved materials for extraoral maxillofacial prosthesis
- N01DE-42436-00 Materials for extraoral maxillofacial prosthesis
- P10ES-00002-12 0003 Occupational and environmental health - Workers exposed to talcose dicyanate
- ** R01EY-00327-09 Synthetic hydrophilic polymers for eye surgery (rabbits, cattle)
- ** R01FD-00656-02 Photoconductive polymers for dental xeroradiograms
- ** R01GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
- R01GM-05811-15 Hydrolytic enzyme models
- R01GM-08893-12 Chemical kinetics studied by relaxation spectrometry
- R01GM-10265-12 New methods for synthesis of polynucleotides
- ** R01GM-12640-10 Asymmetric induction in synthesis and resolution
- ** R01GM-13498-09 Metal centers in biological systems
- R01GM-13556-10 Problems in theoretical chemistry and polymers
- P01GM-14267-09 0003 Microelectronics laboratory for biomedical science - Medical transducers
- ** P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
- R01GM-14603-08 Structure and interactions of proteins in solution
- P01GM-15003-13 0008 The biological functions of metals - Metalloenzyme models
- ** R01GM-15256-07 The esterolytic catalysis of polymeric imidazoles
- P01GM-16436-06 0043 Bioengineering program project - Fluid flow through porous polymer
- R01GM-16922-06 Cholesteric biopolymer liquid crystals
- R01GM-17855-05 Inelastic light scattering of viruses and cells (E coli, bacteriophage)
- R01GM-18395-03 Structure and properties of swelling implants
- R01GM-19032-01 Molecular orbital studies of hydrogen bonding
- R01GM-19448-02 Effective interactions in large molecules
- P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
- P01GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
- P01GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
- P01GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
- P01GM-21056-01 0012 Interfacial behavior of biomaterials - Middle ear prostheses (monkeys, human)
- R01GM-21147-01 Polarized resonance Raman scattering of polymers
- ** N01HB-12017-07 Fabrication of grafted hydrogel coatings for plastic heart assist devices
- N01HB-12364-05 Provide ultrathin membranes for evaluation in blood oxygenators
- ** N01HB-32912-01 Development of polymer fibers
- ** N01HB-32913-03 Study electrodeless glow discharge for modifying polymer surface
- ** N01HB-32916-02 Materials development and testing
- ** N01HB-32921-02 Development of carbon film composites for use in prosthetic devices
- N01HB-42926-00 Evaluation of springy polypropylene as a prosthetic device
- ** N01HB-42968-00 Interactions of natural and chemically modified biopolymers with blood
- ** N01HB-42984-00 Interactions of modified biopolymers with blood (human)
- ** N01HB-61124-16 Polymer studies of prosthetic cardiac materials
- P01HD-05996-03 0002 Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
- R01HD-07138-02 Cortical steroid regulation of muscle development (chick embryo)
- ** R01HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
- N01HD-42902-00 Development and evaluation of a biodegradable drug delivery system
- ** P01HL-06285-14 0215 Cardiovascular-respiratory physiology and biochemistry - Conformation of biopolymers
- P01HL-06374-14 0009 Expansion of research in a hematologic center - Study of prothrombin, fibrinogen and IgG (human)
- ** R01HL-08068-12 Hypotension from polymers and hypertonic solutions (dogs)
- R01HL-10487-08 Biochemical genetics of human serum heptaglobins (primates)
- R01HL-12483-05 Anticoagulant activity of iodopeptides (rabbits)
- P01HL-13738-03 0005 Cardiac assist devices and artificial hearts - Development of new materials for artificial heart and assist devices (sheep)
- R01HL-13999-02 Integrated heart valve implant investigation (dogs, human)
- P01HL-14322-03 0001 Interdisciplinary program in biomaterials science - Thrombo-resistant biomaterials
- P01HL-14322-03 0014 Interdisciplinary program in biomaterials science - Dielectric analysis of biomaterials
- R01HL-15155-02 Rheology of pulmonary secretions
- P01HL-15195-01 0002 Program project in biological materials - Structural and surface characterization
- P01HL-15195-01 0003 Program project in biological materials - Mechanical evaluation and fabrication
- ** R01HL-15519-02 Effect of polymer additives on turbulent blood flow (dogs)
- R01HL-15520-02 Total blood replacement by fluorocarbons and polyols (rats, monkeys)
- R01HL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)
- R01HL-15855-02 Rheological behavior of erythrocyte suspensions (human)
- N01HV-12065-09 Fabrication of implantable artificial heart devices
- P07RR-00574-03 Regional research facility in NMR
- MOLECULAR CONDENSATIONS, POLYMERS REPLICATION**
- SEE ALSO NUCLEIC ACIDS SYNTHESIS
- R01GM-20851-01 Electron microscopy of DNA of cells and viruses
- R01GM-21421-01 Stability of steady states in nucleic acid synthesis
- MOLECULAR CONDENSATIONS, RESINS**
- SEE ALSO ION EXCHANGE RESINS
- SEE ALSO PLASTICS
- R01AM-01260-18 Synthetic enzymes and solid phase peptide synthesis
- R01DE-02320-09 Clinical behavior of dental restorative materials
- R01DE-03416-03 Wear of tooth enamel-Composites and amalgam (human)
- ** R01DE-03869-01 Dental resins with monomers that expand on polymerization
- P01ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
- R01HL-13160-04 Specific labeling and sequencing of human thrombin
- R01OH-00321-06 In vitro studies of occupational dermatitis (guinea pigs, human)
- MOLECULAR ENERGY LEVELS**
- SEE ALSO CHEMICAL BONDS
- SEE ALSO CHEMICAL BONDS, VIBRATIONS
- SEE ALSO CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY*
- SEE ALSO ELECTRONIC SPECTRA
- ** P01CA-08748-09 5305 Research program of Sloan-Kettering Institute - Structure and molecular organization of biological membranes (viruses)
- R01CA-15461-01 Ethidium and DNA-Electronic and buoyant properties
- ** R01GM-07487-13 Photochemistry of organic molecules
- R01GM-10829-16 Optically active coordination compounds
- R01GM-11223-12 Protein configuration by fluorescence techniques
- ** R01GM-18720-03 Photoelectron spectroscopy of porphyrins
- R01GM-21034-01 Electrochemistry and interfacial behavior of purines
- R01GM-21063-01 Interaction of sound with proteins
- R01GM-21153-01 Magnetic circular dichroism of organic molecules
- MOLECULAR FILMS**
- SEE ALSO MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)
- ** R01CA-10337-08 Spin labeling and membrane structure
- R01GM-13885-09 Physical and catalytic behavior of hydrolytic enzymes (snakes, swine, fruit)
- R01GM-15152-07 Permeability of membranes
- ** R01GM-15423-07 0023 Molecular basis of control mechanisms - Photoelectron microscopy of organic surfaces
- R01GM-19181-03 Spectroelectrochemistry of bio-electron transfers
- ** N01HB-42928-00 Continued development of carbon film deposits for prosthetics
- ** P01HD-02274-08 0097 Mental retardation and child development - Pathogenesis of hyaline membrane disease (human, monkeys)
- ** P01HL-12157-07 0027 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Active Na and K transport (guinea pigs)
- ** P01HL-12157-07 0028 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-ion transport and macrocyclic compounds (sheep)
- ** P01HL-12157-07 0029 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Anion permeability (fish, shrimp, sheep)
- ** P01HL-12157-07 0030 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Structure and cation selectivity of ionophores
- ** P01HL-12157-07 0031 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Aromatic anion effects on ion selectivity
- R01HL-15029-06 Chemistry of monolayers surfaces and membranes
- P01HL-15195-01 0002 Program project in biological materials - Structural and surface characterization
- P01HL-15195-01 0003 Program project in biological materials - Mechanical evaluation and fabrication
- ** P01HL-16137-01 0009 Alveolar biology - Physico-chemical properties of the surfactant system-Individual components
- R01RS-07749-07 Sarcolemmal reticulum and myosin (mice, chicks)
- MOLECULAR FILMS, MONOMOLECULAR FILMS**
- ** R01EY-00173-07 Monomolecular films to study visual processes (models, cattle)
- R01GM-18921-13 Phospholipid-protein interactions and membrane function
- P01HL-06285-14 0213 Cardiovascular-respiratory physiology and biochemistry - Membrane structure and function-Gas vesicle membrane (Halobacterium)
- R01HL-12760-05 Surface studies of membrane lipids
- P17HL-14147-04 0003 Specialized center of research in thrombolysis - Application of physical and chemical studies of lipid surfaces
- P17HL-15062-03 0007 Study of lipoproteins, artery wall, and atherosclerosis - Physical chemistry of lipid-protein interaction (human)
- P17HL-15062-03 0008 Study of lipoproteins, artery wall, and atherosclerosis - Lipid modifying enzymes (human)
- P01HL-16137-01 0010 Alveolar biology - Physico-chemical properties of the surfactant system-Lipid protein systems
- ** P01HL-16607-01 0001 Calcium ion and control of cardiovascular function - Electrical and chemical control of calcium fluxes through model membrane systems
- ** P01HL-16851-01 0007 Human red cell membrane in health and disease - Transport across erythrocyte membrane components
- MOLECULAR FRICTIONAL PROPERTIES**
- SEE ALSO PHYSICAL PROPERTIES, VISCOSITY, VISCOELASTICITY
- ** R01AM-15216-04 Molecular basis of joint lubrication (cattle, human)
- R01GM-13745-09 Analysis and control of chromosome movement (mice, insects, amphibians)
- MOLECULAR INTERACTIONS NONBONDING**
- SEE ALSO MOLECULAR STACKING
- R01AM-02493-16 Purification and structure of active principles
- ** R01AM-13743-05 Motion and proximity relations in polypeptides
- R01AM-17458-01 Conformational analysis of thyroid hormone analogs
- ** R01AM-17497-01 NMR relaxation in polypeptide liquid crystal
- R01CA-12462-04 Magnetic resonance studies of biological interactions
- R01CA-14162-01 Carcinogen interactions in regenerating liver (rats)
- ** P01DE-02953-06 0011 Developmental biology of calcified tissues - Structure and function of bone and dentinal collagen (human)
- R01ES-00929-01 Structural studies of physiologically active agents
- R01GM-05811-15 Hydrolytic enzyme models
- ** R01GM-12159-11 Structures-interactions of biological macromolecules (E coli)
- R01GM-14069-09 Conformation and association of peptides
- R01GM-14078-09 Hydrogen bonding and ionic solvation by FNMN and ICR
- ** R01GM-14312-20 Internal bonding in proteins
- ** R01GM-14603-08 Structure and interactions of proteins in solution
- ** R01GM-14945-08 Divalent cations in enolase and other biological systems (human)
- R01GM-15053-08 Protein structure and function (E coli, yeast, rabbits, salmon)
- ** R01GM-16260-06 Derivation of nonbonded potential parameters
- ** R01GM-16916-04 Properties of concentrated enzyme solutions (rats, chicken)
- R01GM-17172-05 NMR study of enzyme-substrate interactions (microorganisms, mammals)
- R01GM-18038-04 NMR studies of aspartate transcarbamylase and tRNA (E coli)
- R01GM-19313-03 High resolution NMR study of the structure of t-RNA
- R01GM-19448-02 Effective interactions in large molecules
- R01GM-19991-02 Aqueous solvent isotope effects-Permanent gas solutes
- R01GM-20564-01 Intermolecular interactions
- ** R01GM-20800-01 Force balance in polyelectrolyte systems (carrd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-20888-17 Chemistry and biochemistry of energy transfer
 R01GM-21431-01 Structural studies of RNA (yeasts, E coli)
 R01HL-11511-06 Conformation of ferritin and apoferritin in solution (horse, rat, human)
 R01HL-13188-05 Transformation kinetics in mesophases
 ** P17HL-14217-04 0019 Specialized center of research in thrombosis - Electron microscopic study of molecular interaction at the platelet surface
 P17HL-15062-03 0001 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins (human, monkeys)
 P17HL-15062-03 0003 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins-EM and fluorescence
 P17HL-15062-03 0006 Study of lipoproteins, artery wall, and atherosclerosis - Lipoproteins and clotting and fibrinolytic systems (human, monkeys)
 R01NS-02763-14 Molecular association of barbiturates in crystals
 R01NS-08116-07 Excitations in condensed molecular aggregates
 P07RR-00542-04 NMR spectrometer facility
- MOLECULAR LEVEL STUDIES OF DISEASE**
 SEE DISEASES, MOLECULAR LEVEL STUDIES
- MOLECULAR LEVEL STUDIES OF NEOPLASMS**
 SEE NEOPLASMS, MOLECULAR LEVEL STUDIES
- MOLECULAR MONOLAYERS**
 SEE MOLECULAR FILMS, MONOMOLECULAR FILMS
- MOLECULAR ORBITALS**
 SEE ELECTRONIC SPECTRA, MOLECULAR ORBITALS
- MOLECULAR PATHOLOGY**
 SEE DISEASES, MOLECULAR LEVEL STUDIES
- MOLECULAR POLARITY**
 R01AM-07162-13 Control of lipid metabolism in mammalian cells (rodents, rabbits)
 R01CA-10337-08 0007 Spin labeling and membrane structure - Fluidity of membranes of cells transformed by oncogenic viruses (mice)
 P01GM-15423-07 0056 Molecular basis of control mechanisms - Conformational perturbants
 R01GM-16648-06 Cell-free systems for the study of gene regulation (E coli)
 R01GM-18100-03 Factors which control the assembly of microtubules (protozoa, chickens, sea urchin)
 ** R01GM-20284-02 Theory of polar liquids and solutions
 P11GM-20387-02 0010 Multidisciplinary research program in pharmacology-toxicology - Improved methodology for isolation of polar drugs and metabolites (human)
 R01GM-21034-01 Electrochemistry and interfacial behavior of purines
 R01GM-21296-01 Improved detection and visualization of colon lesions
 P01HD-05996-03 0002 Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
 P01HD-06276-03 0054 Mental retardation research program - CSF transport of metabolic and products from brain (cats)
- MOLECULAR REARRANGEMENT**
 SEE ALSO CHEMICAL STRUCTURE, ISOMERS, TAUTOMERISM
 R01AI-02443-16 Oxidative phosphorylation and membrane structure (bacteria)
 R01AI-03998-12 0002 Cellular regulatory mechanisms at the molecular level - Mechanism of allosteric interactions (bacteria, rabbit)
 R01AI-05637-12 Mechanisms of oxidative energy generation in bacteria
 R01AI-08198-06 Topography of immune recognition (mice, birds, rabbits)
 R01AI-09044-06 Phi X 174 coat proteins
 R01AI-09167-06 Ribosome structure and function (E coli)
 R01AI-09288-05 Subcellular components of bacterial and animal cells (mice)
 R01AI-10214-04 Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture)
 R01AI-11170-03 Lipid components of cell membranes of microorganisms (bacteria)
 R01AM-02449-16 Protein structure and biological function (swine, chickens, microorganisms)
 R01AM-02493-16 Purification and structure of active principles
 R01AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
 R01AM-05853-13 Conformational basis of enzymic catalysis
 R01AM-08064-10 Reactions of biochemical interest
 R01AM-08350-11 Reaction between hormone and tyrosine oxidase system (rats)
 ** R01AM-09105-23 Chemistry and metabolism of steroids (human)
 R01AM-09221-10 Physico-chemical studies of enzymic hydration (human, cattle, plants)
 R01AM-09765-09 0001 Regulatory processes in biological systems - CTP synthetase (E coli)
- R01AM-09765-09 0064 Regulatory processes in biological systems - Theoretical studies
 R01AM-10833-08 Structure of collagen (bacteria, mice, human)
 ** R01AM-10849-08 Approaches to structurally modified steroids
 ** R01AM-11295-08 Physical studies of biological macromolecules
 R01AM-11410-08 Allosteric properties of phosphofructokinase (rabbits)
 R01AM-12803-16 Structural basis of cellular function (animals, microorganisms)
 R01AM-12881-06 Interaction of subunits in enzymes (yeasts, rabbits)
 R01AM-13115-11 Properties and metabolism of individual proteins (rabbits, yeasts)
 R01AM-14574-05 Apocarbonylase activation by d-biotin (human, chickens, cattle, E coli)
 R01AM-15057-04 Flavine-protein interactions in flavoenzyme catalysis (bacteria)
 R01AM-16688-02 Conformational transitions of allosteric enzymes
 R01AM-16736-01 Myosin ATPase mechanism and energy transduction (rabbits, swine)
 R01AM-17008-01 Structure and function of creatine kinase (rabbits, chicken)
 R01AM-17335-02 Calorimetric analysis of aspartate transcarbamylase
 R01AM-17483-01 Rapid kinetic studies of myosin adenosinetriphosphatase (rabbit)
 R01CA-06654-12 Virus-induced neoplastic conversions
 R01CA-08793-08 Chemistry and pharmacology of vitamin B6 antagonists
 ** R01CA-10337-08 0003 Spin labeling and membrane structure - Effect of osmium tetroxide on motion along fatty acid drains (lobster, mice)
 ** R01CA-10337-08 0004 Spin labeling and membrane structure - Alterations of membranes by uranyl acetate and glutaraldehyde
 R01CA-10872-07 Histone interactions and conformation studies
 ** R01CA-11034-06 Relation of transfer RNA structure and function (rabbits, bacteria)
 ** R01CA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)
 R01CA-11165-06 Allosteric regulation of monomeric enzymes (bacteria)
 ** R01CA-11262-06 Altered components of protein synthesis (bacteria, viruses)
 R01CA-12195-07 Heterocyclic small ring compounds
 R01CA-12540-03 Electro-optic instrumentation and applications in biology
 R01CA-17123-03 Membrane active inhibitors of DNA replication (bacteria)
 P10ES-00260-12 0001 Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
 R01EY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
 R01EY-00729-04 Molecular basis of membrane excitation (model system, cattle)
 R01EY-00930-03 Early molecular events in visual excitation
 R01GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
 R01GM-04842-18 Interrelationship between protein structure and function
 ** R01GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
 ** R01GM-06920-15 Molecular structure of biologically active molecules
 R01GM-07487-13 Photochemistry of organic molecules
 R01GM-07874-14 New synthetic methods via reactive intermediates
 R01GM-07966-14 Chemistry of unsymmetrical aliphatic disulfides
 R01GM-09280-13 Stability of hydrogen bonds in proteins
 R01GM-10613-12 Enzymatic and non-enzymatic reactions of acetals
 R01GM-10692-12 Biophysical studies on macromolecules (E coli, yeasts)
 ** P01GM-11301-12 0005 Structure, function and biosynthesis of macromolecules - Protein modifying reactions in vitro (mammals)
 ** R01GM-11520-11 Six-Deoxy-4-hexose and 4-, 6-deoxy sugars (bacteria)
 R01GM-12006-11 Proteins in solutions interfaces and solids
 R01GM-13037-10 Structural and biological properties of tRNA (E coli)
 R01GM-13651-09 Synthesis of novel conjugated molecules
 ** R01GM-13689-08 N-azidamines
 ** R01GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
 R01GM-13777-09 Mechanism of biochemical C-C and C-N bond formation
 ** R01GM-13956-09 Bio-organic reactions related to steroid biosynthesis
 ** R01GM-14470-08 Quantum theory of molecular isoelectronic changes
- R01GM-14479-08 Membrane-associated phosphorylation (spinach)
 R01GM-14603-08 Structure and interactions of proteins in solution
 R01GM-15053-08 Protein structure and function (E coli, yeast, rabbits, salmon)
 R01GM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
 R01GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
 ** R01GM-16611-06 Photoarrangements of bicyclic ketones
 ** R01GM-16944-05 Stereochemical studies of biosynthetic reactions
 R01GM-16962-04 Geometry of transition states
 R01GM-17061-04 Stereospecific isoprenoid synthesis
 ** R01GM-18098-04 NMR study of the lac-repressor protein (E coli)
 ** R01GM-18143-04 Sesquiterpene biogenesis (plants)
 R01GM-18172-04 Protein conformation and enzyme catalysis (bacteria, swine, cattle)
 R01GM-18268-04 Structure basis of enzyme action, specificity and control (microorganisms)
 R01GM-18348-03 Mutagenic mechanisms
 R01GM-18457-03 Mechanism of action of colicine (E coli)
 R01GM-18472-04 Ligand binding to subunit proteins (human, ungulates, viruses)
 ** R01GM-18593-09 Polyfunctional catalysis
 ** R01GM-19134-08 Organic molecules with diamond-like structures
 R01GM-19143-03 Mechanism of action of lysozyme (chickens, bacteria, human)
 ** R01GM-19336-03 X-ray studies on biologically important molecules (fungi, plants)
 R01GM-19550-01 Pyruvate kinase studies using direct gel scanning (human, E coli)
 R01GM-19595-02 Chemical modification of energy transducing membrane (plants)
 R01GM-19984-02 0003 Structure and function of proteins at molecular level - Trypsin (cattle)
 ** R01GM-20008-02 Kinetic study of double helix formation
 R01GM-20111-02 Role of transfer RNA in the control of cell division (rats)
 R01GM-20488-02 NMR studies of membrane bound proteins (cattle, chicken)
 R01GM-20547-02 Structural and catalytic properties of tryptophan synthetases (bacteria)
 R01GM-20561-02 Structure of the operator site on the Lac repressor (E coli)
 R01GM-20596-02 Helix-coil transition in nucleoprotein
 R01GM-20637-03 Thermodynamic studies of transfer ribonucleic acids
 ** R01GM-20803-01 Spectroscopic investigation of conformational changes
 ** R01GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
 R01GM-21077-01 Membranes prior to and during fusion in secretion (protozoa, mammals)
 R01GM-21161-01 Protein structure modification and oxidation
 ** R01HD-07265-11 Organic photochemistry (human)
 R01HD-08317-01 Membrane changes during aging and vitamin E deficiency (rats)
 R01HL-05556-14 Structure and reactivity of proteins and lipoproteins (human, catcaca, seals)
 R01HL-09544-09 Biochemistry of contractile proteins (animals)
 R01HL-12955-04 Hemoglobin-Environmental stability factors
 R01HL-12958-08 Dissociation of normal and abnormal hemoglobins (human, deer)
 R01HL-13035-05 Heart mitochondrial malate dehydrogenase regulation
 ** R01HL-13132-03 Calorimetric studies of home-protein ligand reactions (human, sheep, cattle)
 R01HL-13164-04 Interaction of the alpha and beta chains of human hemoglobin
 R01HL-13760-11 Viscoelasticity studies of blood coagulation (cattle, human)
 R01HL-14508-06 Structure and function of respiratory hemoproteins
 R01HL-14678-03 C13 and M15 labeled enzymes-Synthesis and NMR study (cattle, bacteria)
 R01HL-14680-03 Specific enrichment of myoglobins for carbon 13 NMR
 ** R01HL-14972-20 Configurational changes in protein molecules (cattle)
 ** P18HL-15170-03 0016 Comprehensive sickle cell disease center - Modification of hemoglobin S side chains (human)
 R01HL-15284-02 Hemoglobin and myoglobin kinetic studies (human, animals)
 R01HL-15391-02 Nucleotide induced changes of conformation in myosin
 R01HL-16278-01 Allosteric interactions of human hemoglobin
 R01NS-07657-07 Coenzyme binding and nervous disorders
 P07RR-00574-03 Regional research facility in NMR
 M P07RR-00711-02 High frequency NMR biotechnology resource

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P07RR-00711-02 0001 High frequency NMR biotechnology resource - Protein folding and conformational transitions in proteins (bacteria)
- ** P07RR-00711-02 0002 High frequency NMR biotechnology resource - Structural changes in subunit-ligand interactions of allosteric proteins
- ** P07RR-00711-02 0005 High frequency NMR biotechnology resource - Mechanism of action of repressor protein (E coli)

MOLECULAR SHAPE

SEE CHEMICAL STRUCTURE, MOLECULAR SHAPE

MOLECULAR SIEVES

SEE PHYSICAL SEPARATION, MOLECULAR SIEVES*

MOLECULAR SIZE

SEE ALSO CHEMICAL STRUCTURE, CHAIN LENGTH

SEE ALSO MOLECULAR WEIGHT

SEE ALSO MOLECULES, MACROMOLECULES

- R01AM-01448-18 Catalytic functions and metabolism of vitamin B6 (bacteria, fungi)
- P02AM-04501-13 0019 Metabolic disease research center - Intestinal absorption of vitamin D and lipids (rats)
- P01AM-05996-13 0024 Biochemistry of connective tissues - Structure and function of acid mucopolysaccharides
- R01AM-08575-10 Biosynthesis of human and rabbit hemoglobins
- ** P01AM-16392-02 0002 Immunologic mechanisms in renal disease in childhood - Glomerular deposition of immune complexes and their localization (rats, rabbits)
- R01AM-17719-01 Calcium oxalate supersaturation and crystallization
- R01CA-11628-05 Steroid-protein interactions and human breast cancer (rats)
- P01CA-12174-04 0012 Growth and cell control processes - Direction of replication in mammalian chromosomes
- ** P01CA-12174-04 0013 Growth and cell control processes - Size of DNA in mammalian chromosomes
- R01CA-14551-02 Penetration of macromolecules into mammalian cells
- R01GM-09280-13 Stability of hydrogen bonds in proteins
- R01GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
- R01GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)
- R01GM-15152-07 Permeability of membranes
- R01GM-19992-04 A multienzyme complex in the histidine path (bacteria)
- ** P17HL-14142-04 0005 Coagulation and cells in thrombosis and hemostasis - Electron microscopy of molecules (cattle)
- R01NS-05270-11 Fractionation of brain proteins (cattle, rabbits, octopus)
- P01NS-08711-04 0008 Fundamental studies relating to multiple sclerosis - Blood-brain barrier abnormalities (human, rabbits)
- ** M01RR-00037-14 0137 General clinical research center - Peritoneal membrane permeability to substances of varying molecular size

MOLECULAR STABILITY

SEE CHEMICAL STABILITY

MOLECULAR STACKING

- R01CA-10906-07 Molecular structures of steroids
- R01CA-12159-03 Crystal structure of purine and pyrimidine analogues
- P01DE-02953-06 0011 Developmental biology of calcified tissues - Structure and function of bone and dentinal collagen (human)
- ** R01GM-16966-05 Crystal structure of compounds related to DNA
- P07RR-00574-03 Regional research facility in NMR

MOLECULAR STRUCTURE

SEE CHEMICAL STRUCTURE

MOLECULAR STRUCTURE-BIOLOGICAL ACTIVITY

SEE CHEMICAL STRUCTURE-BIOLOGICAL ACTIVITY

MOLECULAR VIBRATIONS

SEE CHEMICAL BONDS, VIBRATIONS

MOLECULAR WEIGHT

SEE ALSO MOLECULAR SIZE

- R01AI-03515-15 Comparative biochemistry of parasitic helminths (mice)
- R01AI-07257-08 Endotoxin and pathogenesis of infection (mice, rats)
- R01AI-09758-05 Structure-function relationships of immunoglobulins (human, ducks, mice, rabbits)
- R01AM-05344-13 Transport of thyroid hormones (human, animals)
- P01AM-09001-10 0035 Biochemistry and immunology of blood diseases - Human muscle phosphorylase (and rabbit)
- R01AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- R01AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
- R01AM-14575-05 Phosphoenolpyruvate carboxylases
- R01AM-15061-03 Collagenase-Structure and biological function (clostridium)
- R01AM-15156-04 Mechanism of protein biosynthesis (rats)
- R01AM-15332-03 UDP glucose dehydrogenase (cattle, E coli)
- R01AM-16184-03 Effects of organ storage on renal RNA metabolism (mice)
- R01AM-16457-01 Purification and biochemistry of sulfation factor
- R01AM-16577-02 Mammalian iron metabolism (human, rats, rabbits)
- R01AM-16842-01 Biosynthesis of red cell membrane proteins (rabbits)
- P01CA-06927-12 0022 Biological and biochemical program in cancer research - Nature and properties of aminopeptidases and dipeptidases (rabbits, mice)
- P01CA-08748-09 5738 Research program of Sloan-Kettering Institute - Ribosomes of beef liver mitochondria
- ** P01CA-10893-06 0004 Cancer Research Center - Low molecular weight nuclear RNA
- P01CA-10893-06 0007 Cancer Research Center - High molecular weight RNA
- P01CA-10893-06 0008 Cancer Research Center - Synthesis and maturation of ribosome precursors (rats)
- P01CA-10893-06 0013 Cancer Research Center - Structural analysis of nucleic acids (human, rats)
- R01CA-11114-06 Cell junctions during growth and differentiation (mice)
- R01CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
- P01CA-12708-03 0012 Studies of normal and malignant growth - Molecular mechanisms of movement in non-muscle (human tissue culture)
- R01CA-12784-03 Circular DNA-implications for cancer and drug resistance
- P01CA-13108-03 0003 Cold Spring Harbor laboratory cancer research center - Electron microscopy section
- P02CA-13148-03 0054 Pilot cancer center - In vitro localization of gallium 67 (mice)
- P01CA-14193-02 0011 Comparative leukemia studies unit - Characterization of viral nucleic acids
- R01CA-14374-02 0002 Effect of radiotherapy on host immune reactions - Release of tumor specific antigen following local irradiation (rats, mice)
- R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- P01DE-02849-06 0006 Mechanism and treatment of periodontal disease - Bone resorption stimulating factors (human)
- P01DE-02849-06 0026 Mechanism and treatment of periodontal disease - Bone stimulating factor in media of cultured gingival fragments (human)
- R01DE-03108-04 Polysaccharides from oral streptococci
- R01ES-00854-03 Chemical nature and mode of action of Caiderian toxins (rats, guinea pigs)
- R01EY-00797-03 Physical and chemical basis of lens opacity (mice)
- R01EY-01081-01 Enzymes of vision-Vitamin A metabolism (human, rat, cow, monkey)
- R01EY-01505-01 Preparation and characterization of cone pigments (animals)
- R01FD-00117-09 Hydrophilic colloid interactions in foods
- ** R01GM-06245-15 Chemistry of Krebs cycle enzymes (swine)
- ** R01GM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- R01GM-14603-08 Structure and interactions of proteins in solution
- ** P01GM-15423-07 0031 Molecular basis of control mechanisms - Molecular weight determination
- ** R01GM-15715-06 Associating systems and enzyme control
- R01GM-17436-04 Physical studies of altered ribosomal subunits (E coli)
- R01GM-17945-03 Differentiation of alkaline phosphatase isozymes (mice)
- R01GM-18595-04 Synthesis of unsubstituted chains of polysaccharides
- R01GM-18871-07 Physical chemistry of proteins in salt solutions (human, cattle)
- R01GM-19519-03 Characterization of dinoflagellate DNA
- R01GM-19992-04 A multienzyme complex in the histidine path (bacteria)
- R01GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
- R01GM-20687-01 Modified DNA and gene therapy (mammals, bacteriophage)
- R01GM-20851-01 Electron microscopy of DNA of cells and viruses
- R01GM-20969-02 Conformation of single-stranded DNA in solution
- R01GM-21063-01 Interaction of sound with proteins
- R01HD-00038-10 Protein synthesis during embryogenesis (amphibians)
- R01HD-03321-08 Genetic control of the structure of human proteins
- P01HD-07495-02 0020 Center for population research, studies in reproductive biology - Nuclear membrane in reproductive tissue (chickens)
- R01HL-09203-10 Pathogenesis of pulmonary thromboembolic disease (human, rabbits, cats)
- R01HL-10316-09 Structural studies on serum lipoproteins (human)
- R01HL-12256-10 Polymerization of sickle-cell hemoglobin (human)

- R01HL-12585-06 Structural properties of malate dehydrogenase (swine)
- R01HL-13166-05 Ultracentrifuge studies of reversible aggregation (lobsters)
- P17HL-14187-04 0014 Center for lung research - Vasoreactive agents and proteolytic enzymes in the lung (human, mammals)
- P17HL-14217-04 0021 Specialized center of research in thrombosis - Cyanogen bromide derivatives of fibrinogen
- P17HL-14228-04 0009 Specialized center of research in thrombosis - Synthetic inhibitors of coagulation and fibrinolysis (dogs, cattle, human)
- P01HL-14322-03 0012 Interdisciplinary program in biomaterials science - Facility for measurement of physical and chemical changes in macromolecules
- R01HL-14657-03 Chemical events occurring in prothrombin activation (human)
- R01HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
- R01HL-14938-02 Contractile proteins of heart muscle (dogs, rabbits, chickens)
- P17HL-15062-03 0004 Study of lipoproteins, artery wall, and atherosclerosis - Interactions of serum lipoproteins - Lipoprotein lipase (human, animals)
- R01HL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)
- P01HL-15835-01 0004 Pennsylvania Muscle Institute - Actomyosin systems and cell motility (slime molds, human)
- R01HL-16049-01 Isolation and properties of bovine kidney urokinase (also human)
- P01HL-16137-01 0001 Alveolar biology - Chemical characterization of surfactant system-Lipid and lipid protein fraction
- P01HL-16137-01 0002 Alveolar biology - Characterization of the surfactant system-Proteins isolation (human, rabbits)
- R01HL-16889-01 Very low density lipoprotein characterization (human)
- P01HL-13002-06 0047 Clinical and laboratory studies of affective disorder - Mass spectrometry-Low molecular weight substances in brain (human)
- R01NS-11519-01 The regulation of neuronal protein synthesis (aphasia)
- R01NS-11905-01 Brain DPN-specific isocitric dehydrogenase (swine)

MOLECULES, MACROMOLECULES

SEE ALSO MOLECULAR CONDENSATIONS, POLYMERS

(GENERAL)

- R01AI-01863-17 Cell differentiation in prokaryotic organisms (bacteria)
- ** R01AI-06457-09 Macromolecular synthesis in prokaryotes
- R01AI-08057-06 Macromolecular aspects of spore germination (fungi)
- R01AI-08344-06 Antigenicity of cellular components of an intact cell (mice, bacteria)
- R01AI-09844-04 Molecular organization of bacterial membranes
- ** R01AI-10332-03 Intracellular parasitism
- R01AI-10971-03 Cell division and surface growth (bacteria)
- R01AI-11192-02 Infection of mosquitoes-Arboviruses
- R01AI-11344-02 Phage-host interactions and control of phage growth
- R01AI-11493-02 Immunoglobulin synthesis in myeloma cells
- ** R01AI-11517-02 Action of edeine on macromolecular synthesis
- R01AI-11527-01 Activation of the first components of complement
- P01AI-11576-02 0007 Lymphocyte biology - Electron microscopy
- ** R01AI-11607-01 Synthesis of macrocyclic lactones
- ** R01AI-11735-01 Quantitative studies of biological recognition (rabbits)
- R01AI-11868-01 Regulatory mechanisms in virus development
- ** R01AI-12132-01 Regulation of transcription in virus infected cells
- R01AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- R01AM-13970-13 Wound repair and inflammation (human, rabbits, guinea pigs)
- R01AM-14121-05 Metabolic control of epidermal cell growth (human, rabbits)
- R01AM-14241-04 Renal handling of proteins-Renin release (rats)
- R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- R01AM-14610-04 Transport of macromolecules across cells and membranes (rabbits, rats)
- ** R01AM-16269-01 Intestinal uptake of macromolecules (rats)
- R01AM-17093-01 Heart and kidney capillary permeability in diabetes (rats, dogs)
- R01AM-17719-01 Calcium oxalate supersaturation and crystallization
- R01CA-05619-12 Interactions in normal and malignant cell populations

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-05671-14 0006 Glucocorticoid receptors in normal and malignant tissue - Sedimentation coefficients of tritium α A-binding macromolecules (rats)
 R01CA-05672-13 Drug resistance in mouse cells cultured in vitro
 ** R01CA-05945-11 Macromolecules in liver carcinogenesis (rats, mice)
 P01CA-06927-12 0010 Biological and biochemical program in cancer research - Study of molecular biology
 P01CA-06927-12 0029 Biological and biochemical program in cancer research - Relationship of protein binding to carcinogenesis (rats)
 P01CA-07175-11 0008 Cancer research at the McArdle laboratory - Reactions involved in carcinogenesis by chemicals (rats)
 P01CA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)
 P01CA-10815-06 0049 Consolidated basic cancer research program - Macromolecular synthesis as a function of nutrient levels (human)
 ** P01CA-10815-06 0053 Consolidated basic cancer research program - Cellular interaction on regulation of macromolecular synthesis
 ** P01CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)
 R01CA-12231-03 Synthetic macromolecules as anti-tumor agents
 ** R01CA-12565-03 Genetic control of macromolecular synthesis
 R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
 R01CA-13220-03 Membrane biochemistry of neoplastic cells
 R01CA-13228-03 Gonadal hormone receptors and human prostatic cancer (human)
 ** R01CA-13246-03 Interaction of anticancer drugs with macromolecules (human, hamsters)
 R01CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
 P01CA-14097-02 0001 Cancer research program-Viruses; control mechanisms - Structure, function and interactions of biological macromolecules
 R01CA-14466-02 Mechanism of aminoazo dyes carcinogenesis (rats)
 ** R01CA-14551-02 Penetration of macromolecules into mammalian cells
 P01CA-14599-01 0008 University of Chicago Cancer Research Center - Cell surface and cellular interaction in growth and differentiation (mammals)
 R01CA-14656-02 Polyenes as antitumor agents (mice)
 ** P01CA-14723-02 0006 Experimental cancer immunology - Macromolecules on cell surfaces (mice)
 R01CA-15030-01 Mode of action of chemical carcinogenesis
 R01CA-15388-01 Characterization of serum factors inducing mitosis (human, mice)
 R01CA-15512-01 RNA tumor virus structure and biogenesis
 R01CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
 R01CA-16007-01 Gene expression of oncogenic viruses
 P13DE-02600-08 0038 Planning of a research center in oral biology - Molecular transport and partition in interstitial gel
 R01DE-03934-01 Differentiation of oral epithelium (rats)
 R01ES-00656-01 Interaction of myxomatias with macromolecules (mammals, bacteria)
 ** R01EY-00195-17 Response of corneal stroma to injections of proteins (rabbits)
 R01EY-00196-17 Lens and neural retinal development and regeneration (frogs)
 ** R01GM-10692-12 Biophysical studies on macromolecules (E. coli, yeasts)
 ** R01GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
 M P01GM-11301-12 Structure, function and biosynthesis of macromolecules
 ** P01GM-11301-12 0002 Structure, function and biosynthesis of macromolecules - Control mechanism in synthesis of macromolecules (Blastocladella, phage)
 R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
 R01GM-13684-08 Structures of optically active macromolecules
 ** P01GM-15423-07 0039 Molecular basis of control mechanisms - Circular dichroism of macromolecules
 R01GM-18092-03 Conformations of biologically important molecules
 ** R01GM-19448-02 Effective interactions in large molecules
 R01GM-19835-02 Ribosomes of hybrid cells and tumor virus effects (mice, hamsters)
 R01GM-20154-02 Physiological role of water in tissue (rats)
 R01GM-20690-01 Macromolecular basis for ciliary motility (see urchins, mussels)
 R01GM-20770-01 Y chromosome structure and regulation in *Drosophila*
 ** N01HB-42970-00 Interaction with modified aortic tissue proteins with blood (sheep)
- R01HD-01031-10 Maternofetal barrier and fetal metabolism (humans, primates, sharks)
 R01HD-06282-03 Macromolecular interactions during nuclear differentiation (animals)
 R01HL-01253-22 Electrical and acoustic properties of biological materials
 ** P01HL-06285-14 0214 Cardiovascular-respiratory physiology and biochemistry - Membrane structure and function-EM of macromolecules
 R01HL-08893-10 Interactions between biological macromolecules (human, rats)
 ** R01HL-10936-08 Capillary transport of large molecules (dogs)
 R01HL-11822-06 Biophysical studies on macromolecular interactions (microorganism, plant, mammal)
 P01HL-13979-04 0021 Cardio-pulmonary-renal program - Membrane permeability by NMR relaxation (animals)
 P17HL-14209-04 0005 The MIT arteriosclerosis center - Solute transport and wall shear
 P17HL-14217-04 0022 Specialized center of research in thrombosis - Macromolecular complexes in thrombotic states (human)
 P01HL-14322-03 0010 Interdisciplinary program in biomaterials science - Erythrocyte induced motion on migration of chemicals and erythrocytes in blood
 ** P01HL-14322-03 0012 Interdisciplinary program in biomaterials science - Facility for measurement of physical and chemical changes in macromolecules
 P01HL-16607-01 0002 Calcium ion and control of cardiovascular function - Structure and function in sarcoplasmic membranes
 ** R01NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
 R01NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
 ** R01NS-07457-08 Brain function and the metabolism of macromolecules (mice)
 R01NS-07872-08 Biochemical studies of synapse membrane (rats, chickens)
 R01NS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
 R01NS-09608-05 Biochemical aspects of nerve function (rats)
 R01NS-09931-05 Ion permeation through carriers, channels and nerve
 R01NS-10270-01 Molecular pharmacological correlates of behavior (fish)
 R01NS-11612-01 Secretory otitis media
 R01OH-00347-04 Biological interactions of environmental metals (dogs)
 P07RR-00542-04 NMR spectrometer facility
 P07RR-00578-04 Special research resource for biomolecular graphics
 P07RR-00898-01 Interactive graphics for molecular studies (computer)
- MOLLUSKS, CEPHALOPODS***
 P07RR-00273-09 0022 Mass spectrometric facility for biomedical research - Naturally occurring organo-halogen compounds
- MOLLUSKS, GASTROPODS***
 ** R01AI-05006-11 Nitrogen metabolism in gastropod molluscs
 ** R22AI-07054-09 Interaction of larval trematodes within snail vectors
 R22AI-10270-02 Biogenesis of membrane activities in parasite larvae (snails, mice, hamsters)
 ** R22AI-10271-04 Vector-parasite interactions-Analysis in vitro (snails)
 R22AI-11289-02 Immunologic responses to *Schistosoma mansoni* (mice, rabbits)
 ** R22AI-11645-01 Malacological studies in Louisiana and Texas
 ** N01AI-22525-03 Cultivation of molluscan cell lines (snails)
 ** N01AI-22527-03 Cultivation of molluscan cell lines (snails)
 P01GM-16492-06 0020 Design of chemotherapeutic agents - Neurotransmitters in *Schistosoma* and intermediate host, *Biomphalaria glabrata*
- R01HD-05753-05 Oogenesis and gene control in reproduction
 P01HL-13480-04 0010 Cardiac electrophysiology - Measurement of intracellular electrolytes (cats, barnacles, aphasia)
 ** R03MH-24275-01 Rearing conditions (aphasia)
 R03MH-25361-01 Action of amphetamine on cells of the brain (snails)
 R01MS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aphasia)
- MOLLUSKS, PELECYPODS***
 R01DE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
 R01DE-03424-03 Ultrastructural studies of calcification (mollusks, sponges, corals, algae)
 R01GM-18967-03 Heterosis and genetic polymorphism (mytilus, drosophila)
- MOLLUSKS, PELECYPODS, OYSTERS***
 ** R01DE-03424-03 Ultrastructural studies of calcification (mollusks, sponges, corals, algae)
 R01FD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
 ** R01FD-00546-01 Oyster absorption of organics dissolved in sea water
- MOLLUSKS CONTROL**
 SEE PEST CONTROL, MOLLUSKS CONTROL
- MOLONEY LEUKEMIA-SARCOMA VIRUSES**
 SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE (GENERAL)
- MOLTING**
 SEE GROWTH, MOLTING
- MOLYBDENUM (COMPOUNDS)**
 SEE METALS, HEAVY METALS, MOLYBDENUM
- MONGOLISM**
 SEE GENETIC DISORDERS, DOWN'S SYNDROME
- MONGOLOID RACE**
 SEE SOCIAL GROUPS, RACIAL STOCKS, MONGOLOID RACE
- MONILLA ALBICANS**
 SEE FUNGI, YEASTS, CANDIDA ALBICANS*
- MONILIALES**
 SEE FUNGI IMPERFECTI, MONILIALES*
- MONILIASIS**
 SEE MYCOSES, MONILIASIS
- MONITORING DEVICES**
 SEE BIOMEDICAL SYSTEMS AUTOMATED, MONITORING DEVICES
- MONITORING DEVICES**
 SEE AIR SAMPLING-MONITORING
- MONOAMINE OXIDASE**
 SEE OXIDOREDUCTASES, MONOAMINE OXIDASE
- MONOAMINE OXIDASE INHIBITORS**
 SEE ENZYME INHIBITORS, MONOAMINE OXIDASE INHIBITORS
- MONOCROTALINE**
 SEE ALKALOIDS, MONOCROTALINE
- MONOCYTES**
 SEE BLOOD CELLS, MONOCYTES
- MONOCYTIC LEUKEMIA**
 SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MONOCYTIC
- MONOGLYCERIDES**
 SEE LIPIDS, GLYCERIDES, MONOGLYCERIDES
- MONOGRAPH**
 SEE PUBLICATIONS, MONOGRAPH
- MONOMERS**
 SEE MOLECULAR CONDENSATIONS, MONOMERS
- MONOMOLECULAR FILMS**
 SEE MOLECULAR FILMS, MONOMOLECULAR FILMS
- MONOPHENOL MONOOXYGENASE**
 SEE OXYGENASES, MONOPHENOL MONOOXYGENASE
- MONOPHENOL OXIDASE**
 SEE OXYGENASES, MONOPHENOL MONOOXYGENASE
- MONOSACCHARIDES**
 SEE CARBOHYDRATES, MONOSACCHARIDES
- MONOSOMY X SYNDROME**
 SEE GENETIC DISORDERS, TURNER'S SYNDROME
- MONOTERPENES**
 SEE TERPENES, MONOTERPENES
- MONOTONY**
 SEE PSYCHOLOGY, EMOTIONS, MONOTONY-BOREDOME
- MORALE**
 SEE PSYCHOLOGY SOCIAL, MORALE

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MORALS
SEE PSYCHOLOGY, ATTITUDES, MORALS

MORAXELLA
SEE BACTERIA, MORAXELLA*

MORBIDITY STATISTICS
SEE POPULATION STUDIES HUMAN, MORBIDITY

MORBIDITY STATISTICS, ANIMAL
SEE POPULATION STUDIES ANIMAL, MORBIDITY

MORO REFLEX
SEE EAR, HEARING, MORO REFLEX

MORPHINANS
SEE ALKALOIDS, MORPHINES

MORPHINES
SEE ALKALOIDS, MORPHINES

MORPHOGENESIS
SEE GROWTH, HISTOGENESIS

MORQUIO'S DISEASE
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, ECCENTROSTEOCHONDRODYSPLASIA

MORTALITY STATISTICS
SEE POPULATION STUDIES HUMAN, MORTALITY

MORTALITY STATISTICS, ANIMAL
SEE POPULATION STUDIES ANIMAL, MORTALITY

MOSAICISM
SEE TISSUE MOSAICISM

MOSQUITOES
SEE ARTHROPODS, INSECTS, DIPTERA, CULICIDS, MOSQUITOES*

MOSS
SEE PLANTS, MOSS*

MOSSBAUER SPECTRA
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, MOSSBAUER*

MOTHER ARTIFICIAL
SEE FAMILY, MATERNAL SUBSTITUTE

MOTHS AND BUTTERFLIES
SEE ARTHROPODS, INSECTS, LEPIDOPTERA*

MOTION
SEE ENVIRONMENT, GRAVITY-MOTION

MOTION PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, MOTION PERCEPTION

MOTION PICTURES
SEE OPTICS, PHOTOGRAPHY, CINEMATOGRAPHY*

MOTION SICKNESS
SEE NEUROLOGIC MANIFESTATIONS, MOTION SICKNESS

MOTIVATION
SEE PSYCHOLOGY, MOTIVATION

MOTOR CORTEX
SEE BRAIN, CEREBRAL CORTEX, MOTOR CORTEX

MOTOR IMPULSES
SEE PSYCHOMOTOR FUNCTION

MOTOR NEURON DISEASE (AMYOTROPHIC LATERAL SCLEROSIS)
SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, MOTOR SYSTEM DISEASE DEGENERATIVE

MOTOR NEURONS
SEE NEUROMOTOR SYSTEM, MOTOR NEURONS

MOTOR SYSTEM DISEASE DEGENERATIVE
SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, MOTOR SYSTEM DISEASE DEGENERATIVE

MOUSE HEPATITIS VIRUS
SEE VIRUSES, CORONAVIRUSES, HEPATITIS VIRUS MOUSE

MOUSE K VIRUS
SEE VIRUSES, PAPOVAVIRUSES, K VIRUS MOUSE

MOUSE LEUKEMIA (GENERAL)
SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE (GENERAL)

MOUSE LEUKEMIA, FRIEND
SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE, FRIEND

MOUSE LEUKEMIA L1210
SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE, L-1210

MOUSE LEUKEMIA L-4946
SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE, L-4946

MOUSE LEUKEMIA L-5178
SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE, L-5178

MOUSE LEUKEMIA P-388
SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE, P-388

MOUSE LEUKEMIA-SARCOMA VIRUSES (GENERAL)
SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE (GENERAL)

MOUSE LEUKEMIA VIRUS (GENERAL)
SEE VIRUSES, ONCORNA, LEUKEMIA MOUSE

MOUSE LEUKEMIA VIRUS, FRIEND
SEE VIRUSES, ONCORNA, LEUKEMIA MOUSE FRIEND

MOUSE LEUKEMIA VIRUS, GROSS
SEE VIRUSES, ONCORNA, LEUKEMIA MOUSE GROSS

MOUSE LEUKEMIA VIRUS, RAUSCHER
SEE VIRUSES, ONCORNA, LEUKEMIA MOUSE RAUSCHER

MOUSE MELANOMA S91
SEE PIGMENT CELL NEOPLASMS, MELANOMA S91

MOUSE SARCOMA VIRUSES
SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE, MSV

MOUTH
SEE ORAL-PHARYNGEAL, MOUTH

MOUTH NEOPLASMS
SEE ORAL-PHARYNGEAL NEOPLASMS, MOUTH NEOPLASMS

MOUTHWASHES
SEE CONSUMER PRODUCTS, MOUTHWASHES

MOVEMENT, BODY
SEE SKELETAL MOVEMENT, BODY MOVEMENT

MOVEMENT, EYE
SEE EYE MOVEMENTS

MOVEMENT DISORDERS
SEE NEUROMOTOR DISORDERS

MOVEMENT PERCEPTION, BODY
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRICEPTION

MOVEMENT PERCEPTION VISUAL
SEE EYE, VISION, MOVEMENT PERCEPTION

MPD SYNDROME
SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MRL-41
SEE STILBENES, CLOMIPHENE

MRNA
SEE NUCLEIC ACIDS, MRNA

MSH
SEE PITUITARY-DIENEPHALON HORMONES, MSH

ALPHA-MSH
SEE PITUITARY-DIENEPHALON HORMONES, MSH, ALPHA MSH

MSH RELEASE INHIBITING FACTOR
SEE PITUITARY-DIENEPHALON HORMONES, MIF

MSV VIRUSES
SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE, MSV

MUCIN
SEE PROTEOGLYCAN, MUCIN

MUCINASE
SEE CARBOHYDRASES, HYALURONIDASE

MUCOIDS
SEE PROTEOGLYCAN

MUCOLIPIDOSIS
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, LIPOMUCOPOLYSACCHARIDOSIS

MUCOLIPIDOSIS II
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, I-CELL DISEASE

MUCOLYTIC AGENTS
SEE RESPIRATORY DRUGS, EXPECTORANTS

MUCOPEPTIDES
SEE PEPTIDOGLYCAN

MUCOPOLYSACCHARIDE ALPHA-L-IDURONOHYDROLASE
SEE CARBOHYDRASES, L-IDURONIDASE

MUCOPOLYSACCHARIDES
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCAN

MUCOPOLYSACCHARIDOSIS
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS

MUCOPOLYSACCHARIDOSIS I
SEE METABOLIC DISORDERS INBORN, LIPOCHONDRODYSSTROPHY

MUCOPOLYSACCHARIDOSIS II
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, HUNTER SYNDROME

MUCOPOLYSACCHARIDOSIS III
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, SANFILIPPO SYNDROME

MUCOPOLYSACCHARIDOSIS IV
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, ECCENTROSTEOCHONDRODYSPLASIA

MUCOPOLYSACCHARIDOSIS V
SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, SCHEIE SYNDROME

MUCOPROTEINS
SEE PROTEOGLYCAN

MUCOR
SEE FUNGI, MUCORALES, MUCOR*

MUCOSA, GASTRIC
SEE GASTROINTESTINAL SYSTEM, GASTRIC MUCOSA

MUCOSA, INTESTINAL
SEE GASTROINTESTINAL SYSTEM, INTESTINAL MUCOSA

MUCOUS MEMBRANE
SEE MEMBRANE, MUCOUS MEMBRANE

MUCOVISCIDOSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

MUCUS
SEE BODY FLUIDS, MUCUS

MUCUS, RESPIRATORY
SEE RESPIRATORY SYSTEM, BRONCHIAL MUCUS

MULES
SEE MAMMALS, UNGULATES, EQUIDAE*

MULTILAYER MEMBRANES
SEE MEMBRANE, MULTILAYER MEMBRANES

MULTIPLE MYELOMA
SEE BLOOD AND RE NEOPLASMS, BONE MARROW NEOPLASMS, MULTIPLE MYELOMA

MULTIPLE PERSONALITY
SEE PSYCHOLOGY ABNORMAL, NEUROSIS, DISSOCIATIVE REACTION

MULTIPLE PREGNANCY
SEE PREGNANCY, MULTIPLE

MULTIPLE PRIMARY NEOPLASMS
SEE NEOPLASMS, MULTIPLE PRIMARY

MULTIPLE SCLEROSIS
SEE NERVOUS DISORDERS, DEMYELINATION, MULTIPLE SCLEROSIS

MULTIPLY RADIOISOTOPE LABELED
SEE RADIOLABELED, DOUBLY (MULTIPLY) LABELED*

MUMPS
SEE VIRUS DISEASES, MYXOVIRUS, MUMPS

MUMPS VIRUS
SEE VIRUSES, MYXOVIRUSES, MUMPS VIRUS

MUNICIPAL HEALTH PLANNING
SEE HEALTH CARE (SERVICES) (RESOURCES) PLANNING, REGIONAL MEDICAL PLANNING

MURAMIC ACID
SEE SUGAR ACIDS, MURAMIC ACID

MURAMIDASE
SEE CARBOHYDRASES, LYSOZYME

MUREIN
SEE PEPTIDOGLYCAN

MURINE LEPROSY
SEE ACTINOMYCETALES INFECTIONS, LEPROSY MURINE

MUSCARINE
SEE ALKALOIDS, MUSCARINE

MUSCARINIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

MUSCLE CELLS

R01A1-01042-18	Host-parasite relationships in trichinosis (hamsters)
R01A1-08632-06	Biochemistry and pathophysiology of diphtheria (guinea pigs)
R01A1-10627-04	Functional antigens of <i>Trichinella spiralis</i> (rats)
** R01AM-02001-17	Factors that modify insulin action (rats)
R01AM-03854-14	Regulation of insulin degradation (human, cattle, rats)

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- PO1AM-09001-10 0034 Biochemistry and immunology of blood diseases - Shark muscle phosphorylase
 PO1AM-09001-10 0035 Biochemistry and immunology of blood diseases - Human muscle phosphorylase (and rabbit)
 R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
 RO1AM-12782-07 Anabolic actions of adenylylphosphatase hormones (rats)
 RO1AM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
 RO1AM-14340-05 Experimental diabetes (rats)
 RO1AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
 RO1AM-16497-02 0016 Normal and disordered thyroid hormone economy - Cellular proteins that bind thyroid hormones (human, rats)
 PO1AM-16716-01 0011 Pathophysiological bases of muscle diseases - Nonshivering thermogenesis in normal and dystrophic hamsters
 RO1AM-17793-04 Relation of potassium, metabolism, hormones to cell pH (rats)
 PO1CA-14195-01 0007 Core grant-Regulation, the cell membrane and cancer - Membrane structure and function (tissue culture)
 ** PO1CA-14733-02 0013 Control of gene expression, virus replication and cell growth - Differentiation of muscle cells (mammals)
 RO1CA-15161-01 Biochemistry of normal and malignant cell surfaces (mouse cell lines)
 RO1GM-04761-18 Metabolism of polysaccharides (human, rabbits)
 ** P11GM-15477-08 0022 Drug metabolism and biochemical pharmacology - Intramuscular absorption rates (rats)
 ** RO1GM-17743-04 Myogenic lizard cells (lizards)
 RO1GM-18269-04 Studies in regeneration (lizards)
 NO1HB-42968-00 Interactions of natural and chemically modified biopolymers with blood
 PO1HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
 PO1HD-05874-04 0006 Biochemical regulation of aging processes - Test for the genetic error theory of aging (rats)
 ** RO1HD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
 RO1HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
 ** PO1HL-11662-07 0004 Regulation of fluid, electrolyte and acid-base balance - Measurement of intracellular pH (rats, barnacles, frogs, dogs)
 RO1HL-14823-03 Arterial smooth muscle cell in atherosclerosis (pigtail monkeys)
 P17HL-15103-03 0012 Specialized center of research-arteriosclerosis - Cellular responses in atherosclerosis in tissue culture (monkeys)
 ** PO1HL-15835-01 0021 Pennsylvania Muscle Institute - Fast kinetic studies in muscle subcellular organelles (rodents, rabbits, frogs)
 RO1HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
 RO1NS-03304-13 0001 Proteins in excitable membranes - Acetylcholinesterase (electric eel, mammals)
 RO1NS-03304-13 0003 Proteins in excitable membranes - Protein components in excitable membrane fragments (electric eel, rats)
 PO1NS-07938-06 0009 Peripheral and central nervous system - Intracellular activities of ions (barnacles, frogs, aphasia and mammals)
 RO1NS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
 RO1NS-09012-05 Microneurophysiology (animals)
 PO1NS-09199-04 0005 Effect of L-dopa on synthesis of amines in brain (human, animals) - Peripheral manifestations of Parkinson's (human)
 RO1NS-09330-04 Development of neurons and related cells in vitro (*Drosophila*)
 RO1NS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
 RO1NS-10460-01 Neurophysiology of excitable cells in vitro
 RO1NS-11481-01 Neurotrophic influences on developing muscle
 RO1NS-11588-01 Bio-assay of nerve trophic substances
 ** RO1NS-11635-01 Molecular basis of membrane excitation (electric fish)
 PO7RR-00015-12 0034 Medical school computer facility - Computation of propagated action potentials

MUSCLE CELLS, MYOBLASTS

- PO1GM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
 RO1GM-18269-04 Studies in regeneration (lizards)
 RO1GM-21433-01 Somatic cell genetics of differentiated phenotypes (human)
 RO1HD-00047-10 Control of cell differentiation in culture (chick embryo)
 RO1HD-06390-03 Role of the cell surface in cancer and embryology (human, chick embryo, mice)
 RO1HD-06392-03 Microenvironmental control of myogenesis (chick embryo)
 RO1HD-07083-02 Control of proliferation during muscle development (quail)
 RO1HD-07209-01 Control of development of limb mesodermal cells

- RO1HL-15645-02 Fluorescence and excitation-contraction in heart (rabbits)
 RO1HL-15716-02 Sugar transport in developing heart cells (chick embryo)
 ** PO1HL-16117-01 0001 Ion movements and membranes in cardiovascular control - Developmental studies of contractile cell junctions (rats, guinea pigs)
 RO1NS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
 ** RO1NS-10638-02 Molecular control of excitability of muscle membrane (mice)
 RO1NS-11549-01 Synapse formation in cloned cell lines (mice, rats)
 PO1NS-11766-01 0012 Clinical research center for neuromuscular disease - Regeneration of dystrophic muscle (human, mice, rabbits)
 NO1NS-22330-02 Effects of lipids on human and bacterial cells

MUSCLE CELLS, MYOEPIHELIAL CELLS

- ** PO1NS-07464-07 0022 Laboratory of neurobiology - Myoepithelial cells of sylvia primateculus

MUSCLE CELLS, SARCOMERES

- ** PO1AM-09001-10 0048 Biochemistry and immunology of blood diseases - Electrophysiology and sarcomeres (annelids)
 RO1AM-13687-18 Energy source for contraction of muscle (frogs)
 RO1AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
 ** PO1AM-16716-01 0012 Pathophysiological bases of muscle diseases - The active state of normal and dystrophic muscle (mice)
 RO1AM-17163-01 Viscoelastic properties of muscle (frogs)
 RO1GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)
 RO1HD-06936-02 Cardiovascular function in fetal and neonatal animals (lambs)
 RO1HL-03290-17 Controls of cardiac and vascular smooth muscles
 RO1HL-07139-13 Cardiology and metabolism of congestive failure (human, dogs)
 PO1HL-08805-10 0028 Cardiovascular and pulmonary performance - Ultrastructural pathology of experimental cardiomyopathy (hamsters)
 PO1HL-11306-08 0080 Cardiovascular research program - Ultrastructural basis of contractility (cats)
 ** PO1HL-11306-08 0085 Cardiovascular research program - Physiology of activation in intact and fragmented cells
 PO1HL-11307-08 0003 Biophysical studies in pediatric cardiology - Cellular biophysics
 ** PO1HL-11351-08 Molecular, cellular, and physiological investigations
 PO1HL-12373-06 0001 Cardiopulmonary physiology and pathophysiology - Mechanics of myocardial contraction (dogs)
 PO1HL-12373-06 0002 Cardiopulmonary physiology and pathophysiology - Mechanisms of adaptation in the whole heart (human)
 PO1HL-12738-06 0079 Physiologic pharmacology and its clinical applications - Microscopic studies on ventricular structure (human, dogs)
 PO1HL-13517-04 0005 Circulatory performance and prediction - Myocardial mechanics determined by ventricular fiber geometry (human, animal)
 PO1HL-13517-04 0006 Circulatory performance and prediction - Cardiac muscle performance dynamics of component fibers (cats, rats, rabbits)
 PO1HL-13517-04 0015 Circulatory performance and prediction - Cardiovascular pathology care facility
 RO1HL-14117-03 Mechanism of heart failure (Syrian hamsters)
 PO1HL-15835-01 0007 Pennsylvania Muscle Institute - Structure and function of *Limulus* striated and cardiac muscle
 PO1HL-15835-01 0011 Pennsylvania Muscle Institute - Energetics and mechanism of muscle contraction (frogs, rabbits)
 PO1HL-15835-01 0023 Pennsylvania Muscle Institute - Cellular basis of the Frank-Starling curve (frogs)
 RO1HL-16010-12 Cellular basis of cardiac contractility (frogs)
 ** RO1HL-16606-07 Force, velocity and sarcomere length in muscle (frogs)
 RO1NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)

MUSCLE CELLS, SARCOPLASMIC RETICULUM

- RO1AM-11295-08 Physical studies of biological macromolecules
 RO1AM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
 RO1AM-14632-11 Membranes and organelles-Structure and function (human, rats)
 RO1AM-16528-03 The activation mechanism of skeletal muscle (frogs)
 ** RO1AM-16922-02 Structure and function of sarcoplasmic reticulum (rabbits)
 P17AM-17026-01 0025 Vanderbilt University Diabetes-Endocrinology Center - Mechanism of sodium-potassium ion transport ATPase (guinea pigs)

- ** RO1AM-17081-01 CA02 release from sarcoplasmic reticulum (frogs)
 ** RO1AM-17476-01 Physiologic regulation of lipid metabolism (rats)
 RO1AM-17574-01 Fluxes across biomembranes and peptide hormone action (rats)
 RO1CA-12540-03 Electro-optic instrumentation and applications in biology
 RO1GM-12006-11 Proteins in solutions interfaces and solids
 PO1GM-12202-11 Cellular energy metabolism
 RO1GM-12847-10 0025 Molecular biology of membrane systems - Energy coupling in mitochondria and other bioenergetics systems
 RO1GM-14628-09 Phospholipid bilayer membranes (bacteria, mammals non-human)
 RO1GM-14907-07 Membrane excitation and contraction coupling in muscle (crayfish)
 P11GM-15759-08 0039 Clinical pharmacology in rheumatic and muscular diseases - Types of skeletal muscle and their subcellular fractions (human, animals)
 RO1GM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
 ** RO1GM-20804-01 Molecular structure of sarcoplasmic reticulum (rodents, rabbits, chicken, frog)
 RO1HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
 PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
 RO1HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
 ** RO1HD-06203-03 Biochemical changes in developing and aging muscles (rabbits, rats, chicken)
 ** PO1HD-06267-03 0002 Role of biological membranes in aging processes - Changes in sarcoplasmic reticulum (rats)
 PO1HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)
 RO1HL-02875-16 Mechanism of the action of cardiac glycosides (dogs)
 RO1HL-04801-14 Cardiac conduction and cardiac contraction (dogs)
 PO1HL-05435-14 0023 Cardiovascular research and training program - Cell biophysics-myocardial biology (human, animals)
 ** RO1HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
 ** PO1HL-06285-14 0177 Cardiovascular-respiratory physiology and biochemistry - Calcium transport in sarcoplasmic membranes (dogs, rabbits)
 PO1HL-06308-14 0025 Mechanisms and therapy of circulatory disease - Subcellular calcium pools and arrhythmias (animals)
 RO1HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)
 RO1HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
 RO1HL-11119-13 Amine acid analyzer for biochemical research (bacteria, mammals nonhuman)
 PO1HL-11306-08 0108 Cardiovascular research program - Myocardial organelle lipid structure and function
 RO1HL-12186-06 Drugs and mechanical properties of striated muscle
 RO1HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)
 ** RO1HL-12486-06 Structure-function correlation in the atrium (animals)
 RO1HL-12521-06 Mechanisms of arterial damage in hypertension (rabbits)
 ** RO1HL-12978-05 Sarcoplasmic reticulum ultrastructure and function (rabbits, chickens, lobsters)
 ** RO1HL-13010-05 Properties of the sarcotubular system (frogs)
 ** RO1HL-13191-04 Actions of drugs and ions on cardiac membranes (human, rabbits, guinea pigs)
 RO1HL-13619-05 Mitochondrial electron transport
 ** RO1HL-13636-04 Effects of pharmacologic agents on heart metabolism (human, dogs, rats, cattle)
 ** RO1HL-13870-04 Control of myocardial sarcotubular calcium stores (dogs)
 RO1HL-14117-03 Mechanism of heart failure (Syrian hamsters)
 P17HL-14159-04 0007 Specialized center of research in hypertension - Energy conservation in the hearts of spontaneously hypertensive rats
 P17HL-14177-04 0014 Center for prevention and treatment of atherosclerosis - Sudden death (swine)
 RO1HL-14461-03 Cardiac metabolism in heart failure (rats, guinea pigs)
 ** RO1HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
 RO1HL-14717-02 Hemodynamics and heart structure-Ventricular overload (human, dogs)
 PO1HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
 PO1HL-14780-02 0024 Mechanisms and treatment of cardiovascular diseases - C-AMP and protein kinase in cardiac contraction and heart failure (cats, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-15393-01 Structure and function of sarcoplasmic reticulum
 R01HL-15498-02 Effects of physical training on heart (rats)
 R01HL-15645-02 Fluorescence and excitation-contraction in heart (rabbits)
 R01HL-15764-01 C-AMP dependent protein kinase in cardiac contraction
 R01HL-15829-01 Regulation of vascular smooth muscle contractility
 R01HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
 R01HL-15835-01 0019 Pennsylvania Muscle Institute - Vascular smooth muscle-Electron microscopy, excitation coupling (rats, rabbits)
 R01HL-15835-01 0021 Pennsylvania Muscle Institute - Fast kinetic studies in muscle subcellular organelles (rodents, rabbits, frogs)
 R01HL-15835-01 0023 Pennsylvania Muscle Institute - Cellular basis of the Frank-Starling curve (frogs)
 R01HL-15888-01 Comparative sternology of the myocardium (birds, mammals)
 ** R01HL-16010-12 Cellular basis of cardiac contractility (frogs)
 R01HL-16082-01 Tension regulation in heart and skeletal muscle
 R01HL-16117-01 0002 ion movements and membranes in cardiovascular control - Fluorescence and excitation-contraction in heart (frogs)
 R01HL-16117-01 0003 ion movements and membranes in cardiovascular control - Fast kinetic study of calcium membrane interactions
 R01HL-16117-01 0004 ion movements and membranes in cardiovascular control - Optical studies of excitation-contraction coupling (frogs)
 R01HL-16607-01 0001 Calcium ion and control of cardiovascular function - Electrical and chemical control of calcium fluxes through model membrane systems
 ** R01HL-16607-01 0002 Calcium ion and control of cardiovascular function - Structure and function in sarcoplasmic membranes
 ** R01HL-16607-01 0003 Calcium ion and control of cardiovascular function - Calcium transport in sarcoplasmic membranes (animals)
 ** R01HL-16607-01 0005 Calcium ion and control of cardiovascular function - Chemical modifications of the sarcoplasmic reticulum ATPase
 R01HL-16956-01 Structure-function pathology of isolated heart cells (mice, rats)
 R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
 R01HV-12493-04 Myocardial repair (mammals nonhuman)
 R01NS-03321-13 Electrolytes in nerve and muscle function (frogs)
 R01NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
 R01NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
 R01NS-07180-12 Functional relationships in vitamin E-deficiency (guinea pigs)
 R01NS-07474-07 Electrical and contractile properties of muscle (squid)
 R01NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
 ** R01NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
 R01NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
 ** R01NS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
 ** R01NS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
 R01NS-10175-03 0004 Neuromuscular disease research center - Myotonia- β -lipid, protein and fatty acid composition of SR (goats)
 R01NS-10175-03 0010 Neuromuscular disease research center - Cholinesterase inhibitor on membrane calcium transport in rat and skeletal muscle
 ** R01NS-10175-03 0022 Neuromuscular disease research center - Myotonia-isolation of sarcolemma and the sarcoplasmic reticulum (goats)
 ** R01NS-10175-03 0023 Neuromuscular disease research center - Myotonia-sialic acid composition of sarcoplasmic reticulum (goats)
 ** R01NS-10175-03 0024 Neuromuscular disease research center - Myotonia-calcium content and uptake by SR (goats)
 R01NS-10175-03 0025 Neuromuscular disease research center - Myotonia-DPNH oxidase studies (goats)
 R01NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
 R01NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
 R01NS-10722-01 Calcium transport in the sarcoplasmic reticulum (rabbits)
 R01NS-10919-02 Calcium movements during E-c coupling in muscle (barnacles)
 ** R01NS-10981-02 0001 Control of activity in excitable tissues - Studies on internal muscle fiber membranes (spiders, frog, fish)
 P01NS-10981-02 0005 Control of activity in excitable tissues - Studies on neuromuscular transmission (frogs)
 P01NS-10981-02 0008 Control of activity in excitable tissues - Radial spread of activation in single muscle fibers (frogs)
 P01NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
 R01NS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
 R01NS-12038-01 Excitation contraction coupling in skeletal muscle (mytilus)
 P07RR-00007-11 0307 Computer processing in biomedical systems - Mathematical modelling
- MUSCLE CONTRACTION**
 SEE MUSCLE FUNCTION, MUSCLE CONTRACTION
- MUSCLE FUNCTION**
 R01AM-00338-01 Effects of ethyl alcohol on striated muscle (human, rats)
 ** R01AM-02001-17 Factors that modify insulin action (rats)
 ** R01AM-02809-16 Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid)
 P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
 R01AM-06958-11 Coordination of visceral smooth muscle activity (cats, rabbits)
 R01AM-14704-04 Protein turnover in protein and calorie deprivation (rats, swine)
 ** R01AM-15272-03 Metabolism of perfused hind limb (rats)
 ** R01AM-15533-03 Function of the glycocalyx in muscle (rats)
 ** R01AM-15876-03 Myofibril lattice-Morphology and function (decapods)
 R01AM-16280-02 Physiologic characteristics of the pyloric sphincter (human)
 M R01AM-16716-01 Pathophysiological bases of muscle diseases
 R01AM-16716-01 0012 Pathophysiological bases of muscle diseases - The active state of normal and dystrophic muscle (mice)
 R01AM-16716-01 0013 Pathophysiological bases of muscle diseases - Characteristics of the myoelectric signal (human, animals)
 ** R01AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
 ** R01AM-17008-01 Structure and function of creatine kinase (rabbits, chicken)
 P17AM-17624-01 0007 Obesity center - Role of ketone bodies in energy metabolism in lean and obese men
 ** R01AM-17666-01 Adaptations induced by exercise training (rats)
 ** R01DA-00684-01 Striatal mechanisms in morphine actions
 P01DE-01697-12 0001 Interdisciplinary studies in cleft palate - Larynx (human)
 P01DE-01697-12 0002 Interdisciplinary studies in cleft palate - Velopharyngeal valving mechanism (human)
 P01DE-01697-12 0003 Interdisciplinary studies in cleft palate - Tongue (human)
 ** P01DE-01697-12 0017 Interdisciplinary studies in cleft palate - Function of the middle ear muscles (human)
 P01DE-03610-08 0008 Cranio-facial growth and development - Functional adaptation during growth of cranio-facial complex (human)
 ** R01GM-07884-13 3-Phosphoglycerate dehydrogenase (chickens)
 P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
 P01GM-09069-12 0075 Research in anesthesiology - Distribution of cardiac output during anesthesia and induced hypertension (dogs)
 P01GM-09069-12 0121 Research in anesthesiology - Anesthetics and smooth muscle function
 P01GM-10402-12 0020 Zoophysiology in Alaska - Effects of marathon run on untrained person
 ** P11GM-15759-08 0039 Clinical pharmacology in rheumatic and muscular diseases - Types of skeletal muscle and their subcellular fractions (human, animals)
 ** P11GM-15759-08 0040 Clinical pharmacology in rheumatic and muscular diseases - Adaptation of muscle to exercise (human, mammals)
 ** P11GM-15759-08 0042 Clinical pharmacology in rheumatic and muscular diseases - Electrophysiological studies of human skeletal muscle and effects of drugs
 P01HD-03352-07 0023 Wisconsin center on mental retardation - Respiratory physiology during speech production (children)
 ** R01HD-05751-04 Brain mechanisms of reproductive behavior (rats, other vertebrates)
 ** R01HD-05979-03 Regulation of smooth muscle of reproductive organs (goats, pigs, rabbits)
 ** P01HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and medular proteins (rats)
 R01HL-05883-14 Reflex control of resistance and capacitance vessels
 ** R01HL-06285-14 0174 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Myosin light chains
- ** P01HL-06285-14 0175 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Tropomyosin and troponin
 ** P01HL-06285-14 0176 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Kinetics of ATPase reaction
 P01HL-10539-09 0042 Pathophysiology of circulation - Tolerance of isolated cardiac muscle to hypoxia
 P01HL-10539-09 0045 Pathophysiology of circulation - Effect of fluorocarbon on isolated cardiac muscle (rats)
 ** P01HL-11310-08 0030 Mechanisms of cardiovascular disease - Cardiac muscle (cats, rabbits)
 ** P17HL-15088-03 0011 Diffuse granulomatous and fibrotic pulmonary disease - Role of respiratory muscles in respiratory failure (human)
 R01HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
 M R01HL-16607-01 Calcium ion and control of cardiovascular function
 R01HL-16607-01 0005 Calcium ion and control of cardiovascular function - Chemical modifications of the sarcoplasmic reticulum ATPase
 R01HL-16683-01 Function and growth of cardiac and skeletal muscle (mammals)
 ** R23HL-17103-01 Control of active expiration (cats)
 M R01MR-16127-06 Muscle enzyme release in the acute psychoses
 R01MR-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
 R01MR-16127-06 0008 Muscle enzyme release in the acute psychoses - Failure of phencyclidine to enhance PCPK levels following stress (rats)
 ** P01NS-05820-09 0005 Research center for cerebral vascular diseases - Training in hemiplegia recovery (human, primates)
 P01NS-07464-07 0022 Laboratory of neurobiology - Myoepithelial cells of styli primateculis
 P01NS-09764-04 0023 Developmental neurology - Receptive field organization of primate somatosensory cortex
 P01NS-09764-04 0038 Developmental neurology - Receptive field organization of primate somatosensory cortex
 R01NS-10137-03 Upper and lower motoneurons (Boa constrictor)
 ** P01NS-10175-03 0009 Neuromuscular disease research center - Reactivation rates of CHE for endplate and muscle (rats)
 R01NS-10247-01 Physiological dynamics during speech production (human)
 R01NS-11436-01 Prednisone in myasthenia gravis (human)
 P01NS-11631-01 0046 Clinical center for research on Parkinson's and allied diseases - Intracellular response of motor neuron to lase
 P07RR-00007-11 0328 Computer processing in biomedical systems - Closed loop techniques
 ** P07RR-00015-12 0034 Medical school computer facility - Computation of propagated action potentials
 P07RR-00015-12 0085 Medical school computer facility - Force-velocity characteristics of smooth muscle (opossum)
 P07RR-00711-02 0006 High frequency NMR biotechnology resource - Regulatory protein of carp white muscle
- MUSCLE FUNCTION, ELECTROMYOGRAPHY***
 ** R01AM-15564-03 0002 Secretion and hormonal integration of endocrine organs - Integrative action of GI hormones on motor function (human, guinea pigs)
 ** R01AM-16716-01 0013 Pathophysiological bases of muscle diseases - Characteristics of the myoelectric signal (human, animals)
 R01DA-01050-01 EEG REM sleep and imipramine in morphine addiction (rats)
 R01DA-04139-00 Use of biofeedback with opiate addicts (human)
 P01DE-01774-13 Research program on dynamics of speech articulation (human)
 ** P13DE-02668-08 0001 Dental research center - Mechanisms of vocalization (human)
 R01FD-00686-01 Ocular pathology from electromagnetic radiation
 ** R01HL-14735-02 Electromyography in the study of ventilatory control (dogs, human)
 ** P01NS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)
 R01NS-05811-10 Peripheral neuropathy in man
 R01NS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
 R01NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
 R01NS-08692-05 Motor control system (human)
 R01NS-09462-02 Objective measurements of neuromotor spasticity (human)
 R01NS-09656-04 Speech breathing mechanics (human)
 R01NS-09960-03 Biophysics of muscular exercise (human)
 P01NS-10175-03 0016 Neuromuscular disease research center - Neostigmine in the treatment of Duchenne muscular dystrophy (human)
 ** P01NS-10727-02 0002 The pathologies of sleep-A clinical program - Experimental studies in animals (cats)

(contd)

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**Oriented significantly to above subject.

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MUSCLE FUNCTION, MUSCLE CONTRACTION

- SEE ALSO CARDIOVASCULAR FUNCTION, VASOMOTION
SEE ALSO GASTROINTESTINAL PRESSURE-MOTILITY
SEE ALSO HEART FUNCTION, HEART CONTRACTION
SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR TRANSMISSION
SEE ALSO RESPIRATORY FUNCTION, BRONCHOMOTION
- R01AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
- ** R01AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
- R01AM-05195-14 Interaction of ATP analogs with myosin
- R01AM-07462-11 0066 Hormonal regulation of metabolism - Vasoreactive agents and cyclic nucleotide levels in pig coronary arteries
- R01AM-07902-11 Structure and function of enzymes (rabbits, rats, microorganisms, dogfish)
- ** R01AM-09001-10 0048 Biochemistry and immunology of blood diseases - Electrophysiology and sarcomeres (annelids)
- R01AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
- R01AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
- ** R01AM-10532-08 Intracellular reactions in contracting muscles (amphibians, barnacles)
- ** R01AM-10551-09 Analysis of cellular calcium compartments in muscle (rabbits)
- R01AM-11242-08 Regulation of lower esophageal sphincter (opossum)
- ** R01AM-12768-06 Intestinal motility-Myogenicity neural control (cats, guinea pigs, rabbits)
- ** R01AM-12803-16 Structural basis of cellular function (animals, microorganisms)
- ** R01AM-13687-18 Energy source for contraction of muscle (frogs)
- R01AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
- ** R01AM-14485-03 Work and muscle energetics (frogs)
- ** R01AM-14589-04 Muscle contraction and macromolecular conformation
- ** R01AM-14728-03 Structure-function studies on actin and myosin (rabbits, cattle)
- ** R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- ** R01AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
- R01AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
- R01AM-15876-03 Myofibrillar lattice-Morphology and function (decapods)
- R01AM-15886-03 Gastric peristalsis, emptying and the muscular barrier (dogs)
- ** R01AM-15963-09 Regulation in muscles (scallop, limulus, chicken, rabbits, mice)
- ** R01AM-16253-03 Structure and function of troponin (carp, chicken)
- ** R01AM-16315-19 Muscular contraction (rats, frogs)
- ** R01AM-16528-03 The activation mechanism of skeletal muscle (frogs)
- R01AM-16623-01 Metabolic adaptation of muscle and the need for creatine (rodents, chickens)
- ** R01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
- ** R01AM-16716-01 0008 Pathophysiological bases of muscle diseases - Neuromuscular system in task performance and its damage in MD (chickens)
- ** R01AM-16716-01 0012 Pathophysiological bases of muscle diseases - The active state of normal and dystrophic muscle (mice)
- R01AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
- ** R01AM-16716-01 0018 Pathophysiological bases of muscle diseases - Contractile proteins in slow and fast twitch muscle (fish, chickens, mice)
- R01AM-16728-02 Structure and function of muscle regulatory proteins (rabbit, carp)
- ** R01AM-16736-01 Myosin ATPase mechanism and energy transduction (rabbits, swine)
- ** R01AM-17062-01 Regulation of muscular contraction-A comparative study
- R01AM-17081-01 CaO₂ release from sarcoplasmic reticulum (frogs)
- ** R01AM-17163-01 Viscoelastic properties of muscle (frogs)
- ** R01AM-17293-01 Laxative effects on dog intestinal motility
- ** R01AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
- ** R01AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
- R01AM-17492-02 Cytoplasmic streaming and contractile proteins (fungi)
- ** R01AM-17559-01 Molecular mechanism of muscle contraction
- R01AM-17616-01 Interactions of the intestinal starting forces
- ** R01CA-06081-13 0009 Ultrastructural pathology - Re-investigation of muscle contraction (rabbits, fish)
- R01CA-07175-11 0018 Cancer research at the McArdle laboratory - Cell motility and adhesion (chick embryo)
- P01ES-00354-07 0002 Human responses to thermal environment - Regulation of circulation, respiration and body temperature (human, rabbits)
- ** P01ES-00454-06 0017 Biological effects of environmental agents - Effect of CO and low O₂ on muscle performance (cats, mice)
- R01EY-01297-01 Physiology and pharmacology of extracellular muscles
- P01GM-12847-10 0025 Molecular biology of membrane systems - Energy coupling in mitochondria and other bioenergetics systems
- ** R01GM-14907-07 Membrane excitation and contraction coupling in muscle (crayfish)
- R01GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- R01GM-15904-07 0009 Anesthesiology center for research and teaching - Anesthetics and mechanical properties of heart muscle
- P01GM-15991-06 0006 Anesthesia research center - Regional anesthesia in managing abnormal uterine contraction (human)
- R01GM-18752-03 Solid-phase peptide synthesis (animals)
- ** R01GM-18854-03 Biological movement processes (terrestrial, fresh water and marine organisms)
- ** R01GM-19627-01 Contractile mechanism of vertebrate smooth muscle (children)
- ** R01GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)
- ** R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
- R01HD-00047-10 Control of cell differentiation in culture (chick embryo)
- R01HD-00378-17 Bioelectric properties of uterine smooth muscle (rats, cats, frogs)
- ** R01HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
- P01HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- R01HD-02798-07 Primate uterine physiology (monkeys)
- R01HD-04189-05 Physiology of the mammalian oviduct
- R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- ** R01HD-05935-03 Anesthetic and myometrial contractility (human, rats)
- R01HD-05948-01 Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human)
- ** R01HD-06074-01 Contraction of uterine and intestinal smooth muscle
- R01HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
- ** R01HD-06212-03 Ovarian steroid control of muscle of reproductive tract (rats)
- ** P01HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
- P01HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
- ** P01HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)
- ** R01HD-06406-03 Regulation of uterine blood flow (monkeys)
- R01HD-06963-09 Properties of smooth muscle (rats)
- ** R01HD-07693-01 Hormonal interactions in uterus (cattle)
- R01HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- R01HD-08406-01 Mechanism of action of oxytocin on the uterus (swine, rats)
- R01HL-02953-17 Autonomic and cardiovascular pharmacology (rats, rabbits, dogs, guinea pigs)
- R01HL-03290-17 Controls of cardiac and vascular smooth muscles
- R01HL-03756-17 Vascular changes in hypertension (swine)
- R01HL-04385-15 Distribution and function of the isopeptide bond
- ** P01HL-05435-14 0023 Cardiovascular research and training program - Cell biophysics-Myocardial biology (human, animals)
- ** R01HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
- M P01HL-06285-14 Cardiovascular-respiratory physiology and biochemistry
- ** P01HL-06285-14 0173 Cardiovascular-respiratory physiology and biochemistry - Skeletal and cardiac muscle function
- P01HL-06285-14 0177 Cardiovascular-respiratory physiology and biochemistry - Calcium transport in sarcoplasmic membranes (dogs, rabbits)
- P01HL-06308-14 0025 Mechanisms and therapy of circulatory disease - Subcellular calcium pools and arrhythmias (animals)
- R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- M P01HL-08682-11 Regulation of the cardiovascular system
- P01HL-08682-11 0005 Regulation of the cardiovascular system - Mechanical properties of blood vessels (dogs)
- ** P01HL-08896-11 0046 Radiology-physiology cardiovascular research - Forearm angiography during isometric hand-grip contractions (human)
- ** R01HL-09489-09 0003 Myocardial lipid metabolism and regulation - Adult cardiac cell viability and contractility
- ** R01HL-09544-09 Biochemistry of contractile proteins (animals)
- ** P01HL-10342-09 0013 Cardiovascular, pulmonary, and behavioral studies - Hypercapnia, serum phosphorus, and muscle performance (dogs, rats)
- P01HL-10436-09 0010 Congenital heart disease - Electron microscopy in early embryogenesis (chick embryo)
- ** R01HL-10061-08 Microvascular research (rats, rabbits)
- ** P01HL-11306-08 0034 Cardiovascular research program - Cardiac muscle mechanics (mammals nonhuman)
- ** P01HL-11306-08 0080 Cardiovascular research program - Ultrastructural basis of contractility (cats)
- P01HL-11306-08 0085 Cardiovascular research program - Physiology of activation in intact and fragmented cells
- P01HL-11306-08 0092 Cardiovascular research program - Physiology of coronary blood flow (animals)
- ** P01HL-11306-08 0104 Cardiovascular research program - Myocardial contractility-Interactions between calcium and hydrogen ions (cats)
- ** P01HL-11306-08 0105 Cardiovascular research program - Dobutamine and contractility of isolated heart muscle
- ** P01HL-11306-08 0106 Cardiovascular research program - Biochemistry of excitation-contraction coupling
- ** P01HL-11351-08 Molecular, cellular, and physiological investigations
- R01HL-12186-06 Drugs and mechanical properties of striated muscle
- R01HL-12494-06 Continuum mechanics in biophysics (frogs, cats, rabbits)
- ** R01HL-12556-06 Comparative cardiovascular physiology (animals)
- R01HL-12703-05 Vascular control mechanisms in skeletal muscle (dogs, cats)
- ** P01HL-12738-06 0063 Physiologic pharmacology and its clinical applications - Effects of calcium blockers on skeletal and cardiac muscle (frogs)
- R01HL-12978-05 Sarcoplasmic reticulum ultrastructure and function (rabbits, chickens, lobsters)
- R01HL-13010-05 Properties of the sarcotubular system (frogs)
- P01HL-13330-05 0044 Mechanical circulatory support - Mechanical circulatory assistances (dogs)
- P01HL-13517-04 0006 Circulatory performance and prediction - Cardiac muscle performance dynamics of component fibers (cats, rats, rabbits)
- R01HL-13870-04 Control of myocardial sarcotubular calcium stores (dogs)
- P17HL-14217-04 0015 Specialized center of research in thrombosis - Pharmacological studies on platelet and vascular smooth muscle
- R01HL-14316-03 Mathematical modeling of left ventricular function (human)
- ** R01HL-14516-03 Dynamics of metabolic control of muscle blood flow (dogs)
- ** R01HL-14523-04 Generation and regulation of force in smooth muscle (animals)
- R01HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
- R01HL-14651-03 Mechanical behavior of left ventricle (dogs, rats)
- ** R01HL-14775-03 Mechanisms of drug action in vascular smooth muscle (dog, rabbits)
- R01HL-14806-15 Regulation of oxygen use by mammalian skeletal muscle (dogs)
- R01HL-14874-02 Spontaneous vascular tone during renal hypertension (rats)
- ** R01HL-15048-02 Contractile system of human blood platelets (and rabbits)
- ** R01HL-15051-02 Contractile and control sites of actomyosin (rats)
- ** P17HL-15088-03 0007 Diffuse granulomatous and fibrotic pulmonary disease - Performance of the diaphragm in diffuse pulmonary granulomatous disease (dogs)
- ** R01HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
- ** R01HL-15391-02 Nucleotide induced changes of conformation in myosin
- R01HL-15393-01 Structure and function of sarcoplasmic reticulum
- R01HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
- R01HL-15580-02 Humoral control of pulmonary and systemic circulation (dogs)
- ** R01HL-15692-02 Control of force development in heart and muscle (frogs)
- ** R01HL-15829-01 Regulation of vascular smooth muscle contractility
- M P01HL-15835-01 Pennsylvania Muscle Institute
- ** P01HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
- P01HL-15835-01 0002 Pennsylvania Muscle Institute - Proteins from cardiac and vascular smooth muscle (rabbits, salamanders)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01HL-15835-01 0004 Pennsylvania Muscle Institute - Actomyosin systems and cell motility (slime molds, human)
- P01HL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
- ** P01HL-15835-01 0007 Pennsylvania Muscle Institute - Structure and function of Limulus striated and cardiac muscle
- ** P01HL-15835-01 0011 Pennsylvania Muscle Institute - Energetics and mechanism of muscle contraction (frogs, rabbits)
- ** P01HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
- P01HL-15835-01 0018 Pennsylvania Muscle Institute - Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs)
- ** P01HL-15835-01 0019 Pennsylvania Muscle Institute - Vascular smooth muscle-Electron microscopy, excitation coupling (rats, rabbits)
- ** P01HL-15835-01 0021 Pennsylvania Muscle Institute - Fast kinetic studies in muscle subcellular organelles (rodents, rabbits, frogs)
- ** R01HL-15985-02 Metabolic and hormonal control of cardiac contraction
- R01HL-16003-04 Sources and roles of calcium in smooth muscle excitation
- ** R01HL-16010-12 Cellular basis of cardiac contractility (frogs)
- R01HL-16037-01 Molecular properties of cardiac adrenergic receptors
- ** P01HL-16117-01 0003 Ion movements and membranes in cardiovascular control - Fast kinetic study of calcium membrane interactions
- P01HL-16117-01 0006 Ion movements and membranes in cardiovascular control - Neuroreceptors and cellular excitation (fish)
- ** P01HL-16117-01 0008 Ion movements and membranes in cardiovascular control - Arterial smooth muscle calcium fluxes and contractility (cattle, guinea pigs)
- R01HL-16152-01 Electrophysiology of prenatal to adult mammal and frog heart
- ** R01HL-16606-07 Force, velocity and sarcomere length in muscle (frogs)
- ** P01HL-16607-01 0004 Calcium ion and control of cardiovascular function - Contractile effects of calcium ionophores (animals)
- R01HL-16746-01 Design of ion-selective molecules
- R01HL-17684-01 Adrenergic mechanisms in cardiac muscle (rabbits, cats)
- M01HV-12493-04 Myocardial repair (mammals nonhuman)
- ** R01NS-02567-15 Problems of nerve cell physiology (human, cats, monkeys)
- ** R01NS-03321-13 Electrolytes in nerve and muscle function (frogs)
- ** P01NS-03354-13 0003 Neurosensory center - Neurophysiology (rats)
- R01NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
- R01NS-03728-11 Generation and role of bioelectric activity (animals)
- R01NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
- ** R01NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- R01NS-05785-09 0009 Causes of deafness - Electrophysiology laboratory (guinea pigs)
- R01NS-05910-08 Cell physiology correlated with ultrastructure (crayfish)
- R01NS-06232-09 Formation and function of synapses (animals)
- R01NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
- ** R01NS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
- R01NS-06782-07 Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats)
- ** R01NS-07474-07 Electrical and contractile properties of muscle (squid)
- R01NS-07495-07 Comparative cytology of nerve and muscle tissues (animals)
- ** R01NS-07681-07 Physiology of muscle function (frogs, amoeba)
- R01NS-07758-06 NMR studies of cell excitation (frogs, rats)
- R01NS-07888-08 Neural aspects of posture and locomotion (cats)
- ** R01NS-07907-07 Vertebrate muscle receptors (mammals, reptiles)
- ** R01NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
- R01NS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
- ** R01NS-08281-04 Correlation of structure and function in muscle (squid, shrimp)
- R01NS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)
- ** R01NS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
- R01NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
- ** P01NS-09199-04 0005 Effect of L-dopa on synthesis of amines in brain (human, animals) - Peripheral manifestations of Parkinson's (human)
- R01NS-09627-04 Physiological bases of dysarthria (human)
- R01NS-09801-01 Nerves system regeneration in the paraplegic (rats, cats)
- ** R01NS-09960-03 Biophysics of muscular exercise (human)
- R01NS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
- R01NS-10183-03 Cortical neuronal mechanisms of motor control (primates)
- R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- R01NS-10319-03 Monosynaptic transmission in spiral neurons (cats)
- ** R01NS-10327-03 Stimulus-response coupling in contractile cells (frogs, crabs, protozoa)
- R01NS-10336-03 Components controlling behavior (coelenterates, insects)
- R01NS-10349-03 Neurotrophic influence on muscle (rabbits)
- R01NS-10399-02 Regulatory mechanisms in auditory perception (cats, monkeys)
- R01NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
- R01NS-10417-02 Basic causes of nerve-muscle excitability dysfunction (human, rats, mice)
- ** R01NS-10423-01 Significance of muscle fiber types (guinea pigs, cats, bushbaby)
- R01NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
- R01NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
- R01NS-10705-02 Cerebral cortical control of movement (cats, monkeys)
- R01NS-10716-01 Muscular dystrophy-Alterations mediated by exercise (hamsters)
- ** R01NS-10919-02 Calcium movements during E-c coupling in muscle (barnacles)
- ** R01NS-10957-01 Ache nerve-muscle interactions and muscular dystrophy (chickens, chick embryo)
- P01NS-10981-02 0008 Control of activity in excitable tissues - Radial spread of activation in single muscle fibers (frogs)
- P01NS-10981-02 0010 Control of activity in excitable tissues - Extracellular volume and myoplasmic Ca ion concentration during activity (toads)
- P01NS-10981-02 0012 Control of activity in excitable tissues - Extrinsic fluorescence in sartorius muscles (frogs)
- ** P01NS-10981-02 0013 Control of activity in excitable tissues - Activation of contraction in single short muscle fibers (frogs)
- ** R01NS-11165-01 Contractile mechanisms and myogenesis (rabbits, mice)
- R01NS-11190-01 Histochemical studies of neural influences (rabbits)
- ** R01NS-11252-01 Function of a brain calcium-binding protein (rats, mice)
- R01NS-11259-01 RNA transport in normal and regenerating nerves (fish)
- R01NS-11518-01 Motor unit organization during locomotion (cats)
- R01NS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)
- ** P01NS-11766-01 0013 Clinical research center for neuromuscular disease - Pathophysiology of dystrophic muscle (human)
- R01NS-11815-04 Defective ion movement in muscular dystrophy (mice, rat, hamster, chicken, human)
- ** R01NS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- ** R01NS-12038-01 Excitation contraction coupling in skeletal muscle (mytilus)
- R01NS-12063-01 Muscle reinnervation and neurotrophic influence (rats, chickens)
- ** M01NS-22314-02 Intramuscular stimulation of paralyzed muscle (human)
- P07RR-00007-11 0300 Computer processing in biomedical systems - A model for cardiac cells
- P07RR-00007-11 0311 Computer processing in biomedical systems - Modelling of multiple binding processes
- M01RR-00051-13 0155 General clinical research center - Muscle contractility in man
- P07RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)
- ** M01RR-00847-01 0027 Clinical research centers - Examination of human uterus for diurnal contraction variation
- MUSCLE FUNCTION, MUSCLE RELAXATION**
- SEE ALSO MUSCLE RELAXANTS
- SEE ALSO MUSCLE RELAXING FACTOR
- R01AM-13687-18 Energy source for contraction of muscle (frogs)
- R01AM-14485-03 Work and muscle energetics (frogs)
- R01AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
- R01GM-18854-03 Biological movement processes (terrestrial, fresh water and marine organisms)
- P01HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
- R01HL-12978-05 Sarcolemmal reticulum ultrastructure and function (rabbits, chickens, lobsters)
- P17HL-14217-04 0015 Specialized center of research in thrombosis - Pharmacological studies on platelet and vascular smooth muscle
- R01HL-15048-02 Contractile system of human blood platelets (and rabbits)
- P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- R01HL-15692-02 Control of force development in heart and muscle (frogs)
- ** R01HL-16606-07 Force, velocity and sarcomere length in muscle (frogs)
- R01MH-23628-02 Psychophysics of muscle tension in mental patients
- R01MH-24070-01 Biofeedback and habituation rates in chronic anxiety
- R01MH-24222-02 Behavior therapy and relaxation training in asthma (human)
- ** R01NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- R01NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
- R01NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
- R01NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
- ** R01NS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- M01RR-00036-14 0002 General clinical research center - Spasticity with upper motor neuron lesions (human)
- ** M01RR-00076-12 0073 General clinical research center - Oxygen consumption during wakeful, hypometabolic state (human)
- ** M01RR-00076-12 0075 General clinical research center - Measurement of elicitation of a wakeful hypometabolic state (human)
- MUSCLE FUNCTION, MUSCLE STRESS**
- R01AM-13687-18 Energy source for contraction of muscle (frogs)
- ** R01AM-16047-03 Urteral pathophysiology (dogs)
- R01AM-17083-01 Muscle water and electrolytes during dehydration (human)
- P01HL-12373-06 0001 Cardiopulmonary physiology and pathophysiology - Mechanics of myocardial contraction (dogs)
- P01HL-12373-06 0002 Cardiopulmonary physiology and pathophysiology - Mechanisms of adaptation in the whole heart (human)
- P01HL-12373-06 0007 Cardiopulmonary physiology and pathophysiology - Contractility in normal and failing myocardium (rabbits, guinea pigs)
- P01NS-06828-08 0034 Neurophysiology-Sensory systems and cerebral cortex - Regulatory properties of autogenetic reflex
- P01NS-06828-08 0035 Neurophysiology-Sensory systems and cerebral cortex - Alpha-gamma coupling
- MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)**
- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- P01AM-16716-01 0012 Pathophysiological bases of muscle diseases - The active state of normal and dystrophic muscle (mice)
- R01EY-00745-03 Neurophysiological studies of the oculomotor system (monkeys)
- R01GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
- R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
- P01HL-06285-14 0191 Cardiovascular-respiratory physiology and biochemistry - Control of respiration in early life (human)
- ** R01HL-13623-05 Atrial receptors (dogs)
- ** P01HL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
- R01HL-15004-02 Baroreceptor regulation in cardiovascular disease (dogs)
- R01HL-15605-01 Site of airway obstruction and control of ventilation (dogs)
- R01HL-16177-01 Contractile and elastic properties of cardiac muscle (cats)
- R23HL-17103-01 Control of active expiration (cats)
- P01NS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
- R01NS-02567-15 Problems of nerve cell physiology (human, cats, monkeys)
- R01NS-02957-14 Suprasagittal influences on spinal motoneurons (baboons)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-05666-10 Schemoreceptor activity of carotid body (frogs, crayfishes)
- ** POINS-06828-08 0034 Neurophysiology-Sensory systems and cerebral cortex - Regulatory properties of autogenetic reflex
- ** POINS-06828-08 0035 Neurophysiology-Sensory systems and cerebral cortex - Alpha-gamma coupling
- ROINS-07888-08 Neural aspects of posture and locomotion (cats)
- ** ROINS-07907-07 Vertebrate muscle receptors (mammals, reptiles)
- POINS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapods, cats)
- ROINS-10368-01 Receptive field organization of somatosensory cortex (primates)
- ** ROINS-10457-03 Ultrastructure and function of nerve and muscle (crayfish)
- POINS-10920-02 0001 Development and regeneration in the nervous system - Tropic effect of acetylcholine on developing muscle receptors (rat)
- ** ROINS-10969-01 Electron microscopy of human muscle spindles
- ** ROINS-11026-01 An analysis of reinnervated muscle spindles (cats)
- ** ROINS-11648-01 Influence of neurons upon muscle spindle development (rats)
- ** ROINS-11695-01 Factors in reflex motor control (cats)
- ROINS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)

MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

SEE ALSO SKELETAL MOVEMENT, POSTURE

- ROIAM-13687-18 Energy source for contraction of muscle (frogs)
- POIHD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- ROIHD-07826-01 Respiratory loading in sudden infant death (human)
- POIHL-06285-14 0180 Cardiovascular-respiratory physiology and biochemistry - Vagal C-fibers and their influence on visceral and somatic function (animals)
- ** ROIHL-13623-05 Atrial receptors (dogs)
- ** POIHL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
- ROINS-02289-15 Studies in cerebellar physiology (monkeys, cats)
- ROINS-02944-14 Neural organization in ganglia (crayfish)
- ** POINS-06828-08 0033 Neurophysiology-Sensory systems and cerebral cortex - Supraspinal control of autogenetic reflexes (cats)
- ** POINS-06828-08 0034 Neurophysiology-Sensory systems and cerebral cortex - Regulatory properties of autogenetic reflex
- POINS-06828-08 0036 Neurophysiology-Sensory systems and cerebral cortex - Postural reactions of the intact animal
- ** ROINS-08608-05 Examination of dynamic aspects of motor control (cats, frogs)
- ROINS-09196-04 Discharge patterns of motoneurons (cats, frogs)

MUSCLE FUNCTION, MUSCLE TENSION

- ** ROIAM-13687-18 Energy source for contraction of muscle (frogs)
- ROIAM-14485-03 Work and muscle energetics (frogs)
- ROIAM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- ROIAM-16047-03 Uteral pathophysiology (dogs)
- POIAM-16716-01 0012 Pathophysiological bases of muscle diseases - The active state of normal and dystrophic muscle (mice)
- P13DE-02600-08 0033 Planning of a research center in oral biology - Relaxation vs relaxation tension training (human)
- POIEY-00299-09 0003 Neurophysiology of the visual apparatus - Innervation and the resulting developmental muscle forces (human)
- POIEY-00299-09 0021 Neurophysiology of the visual apparatus - Coordinates of extraocular muscles in steady state (cat)
- POIEY-00299-09 0023 Neurophysiology of the visual apparatus - Pharmacological weakening of extraocular muscles (monkeys)
- ROIGM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)
- ROIHD-08963-09 Properties of smooth muscle (rats)
- ROIHL-04385-15 Distribution and function of the isopeptide bond
- ** POIHL-10539-09 0041 Pathophysiology of circulation - Tension density and hill critical radius in cardiac muscle
- POIHL-10539-09 0042 Pathophysiology of circulation - Tolerance of isolated cardiac muscle to hypoxia
- POIHL-10539-09 0044 Pathophysiology of circulation - Effect of calcium on hypoxic heart muscle
- POIHL-11307-08 0003 Biophysical studies in pediatric cardiology - Cellular biophysics
- POIHL-12373-06 0002 Cardiopulmonary physiology and pathophysiology - Mechanisms of adaptation in the whole heart (human)

- POIHL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
- ROIHL-12556-06 Comparative cardiovascular physiology (animals)
- POIHL-13517-04 0015 Circulatory performance and prediction - Cardiovascular pathology care facility
- ROIHL-14523-04 Generation and regulation of force in smooth muscle (animals)
- P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- POIHL-15833-01 0001 Pharmacologic and physiologic basis of cardiac therapy - Drug effects on heart cell in tissue culture (rats, chick embryo)
- ** POIHL-15835-01 0011 Pennsylvania Muscle Institute - Energetics and mechanism of muscle contraction (frogs, rabbits)
- ** POIHL-15835-01 0023 Pennsylvania Muscle Institute - Cellular basis of the Frank-Starling curve (frogs)
- ROIHL-16010-12 Cellular basis of cardiac contractility (frogs)
- ** ROIHL-16082-01 Tension regulation in heart and skeletal muscle
- POIHL-16117-01 0005 Ion movements and membranes in cardiovascular control - Properties of isolated cell membranes (rabbits, cats)
- POIHL-16607-01 0004 Calcium ion and control of cardiovascular function - Contractile effects of calcium ionophores (animals)
- ROIHL-17689-02 Neurophysiologic studies of respiratory control (cats)
- ROIHM-19152-04 Cognitive control of pain
- ** ROIHM-23628-02 Psychophysics of muscle tension in mental patients
- ROIHM-24908-01 Schizophrenia and EEG signal analysis
- ROINS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
- ROINS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)
- ROINS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
- ROINS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
- ROINS-09960-03 Biophysics of muscular exercise (human)
- ** ROINS-10183-03 Cortical neuronal mechanisms of motor control (primates)
- ** ROINS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
- ROINS-11055-02 Control of mammalian muscle during reinnervation (rat)

MUSCLE FUNCTION, MUSCLE TONE

- P11GM-16216-06 0030 Toxicological problems of drugs (placental transfer, lactation) - Meperidine (human infants)
- ROIHD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- POIHD-06267-03 0002 Role of biological membranes in aging processes - Changes in sarcoplasmic reticulum (rats)
- POIHL-10342-09 0009 Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
- ** POIHL-11414-07 0020 Thrombosis and atherosclerosis program - Bronchial muscular tone during cardiopulmonary bypass (dogs)
- ROIHL-12342-06 Prostaglandins in vascular homeostasis (frogs, rats)
- POIHL-14388-03 0004 Regulation of the circulation in pathological states - Sympathetic innervation to vascular smooth muscle in hypertension (animal)
- ** POIHL-14874-02 Spontaneous vascular tone during renal hypertension (rats)
- ROIHM-22803-02 Social-affective development in infancy (human)
- ** RO3MN-25880-01 Relation of basal ganglia to muscle tone (crocodilians)

MUSCLE FUNCTION, MUSCLE TONE, HYPERMYOTONIA

- SEE ALSO CARDIOVASCULAR DISORDERS, HYPERTENSION (SYSTEMIC)
- SEE ALSO NEUROMOTOR DISORDERS, RIGIDITY NEUROMOTOR
- SEE ALSO NEUROMOTOR DISORDERS, TETANY
- POINS-11631-01 0044 Clinical center for research on Parkinson's and allied diseases - Motor neuron response to natural stimuli (monkeys)
- ** MOIRR-00069-12 0076 General clinical research center, children - High risk infant stimulation project

MUSCLE FUNCTION, MUSCLE TONE, HYPOMYOTONIA

- SEE ALSO CARDIOVASCULAR DISORDERS, HYPOTENSION
- SEE ALSO METABOLIC DISORDERS INBORN, PRADER-WILLI SYNDROME
- P11GM-16216-06 0031 Toxicological problems of drugs (placental transfer, lactation) - Diazepam (human)
- POIHM-11668-09 0005 Psychosocial factors in health and disease - Conservation-withdrawal

MUSCLE HYPERTROPHY

- ** ROIAM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)

- ** POIAM-16716-01 0029 Pathophysiological bases of muscle diseases - Muscles in normals, dystrophies, spontaneous hypertension (chicken, rodents, cat)
- POIAM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- POIHL-06285-14 0173 Cardiovascular-respiratory physiology and biochemistry - Skeletal and cardiac muscle function
- POIHL-16683-01 Function and growth of cardiac and skeletal muscle (mammals)
- ROINS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
- ROINS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)

MUSCLE NECROSIS

SEE MUSCULAR DISORDERS, MUSCLE NECROSIS

MUSCLE NEOPLASMS, LEIOMYOSARCOMA

- R10CA-10186-08 Western cancer study group
- R10CA-12477-04 Gynecological oncology group

MUSCLE NEOPLASMS, RHABDOMYOSARCOMA

- R10CA-02649-18 Childrens cancer study group A
- R10CA-02971-18 Childrens cancer study group A
- R10CA-03526-17 Childrens cancer study group A
- R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
- R10CA-03750-17 Childrens cancer study group A
- R10CA-03888-17 Childrens cancer study group A
- R10CA-05436-14 Childrens cancer study group A
- ** PO2CA-05826-13 0008 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
- PO2CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- PO2CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
- PO2CA-06294-13 0015 Radiotherapy research - Pediatric tumors
- PO2CA-06519-12 0036 Radiation therapy and biology research program - Experimental radiation therapy of solid tumors (rats)
- PO2CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
- R10CA-07306-11 Childrens cancer study group A
- R10CA-07439-11 Childrens cancer study group A
- R10CA-07757-10 Acute leukemia group B (human)
- R10CA-07918-10 Chemotherapy of acute leukemia
- PO2CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
- R10CA-10198-07 Childrens cancer study group A (human)
- R10CA-10382-08 Childrens cancer study group A
- R10CA-10456-07 Acute leukemia group B operations office
- R10CA-11075-06 Childrens cancer study group A
- R10CA-11174-06 Childrens cancer study group A
- R10CA-11233-06 Southwestern cooperative chemotherapy study group
- R10CA-11796-05 Childrens cancer study group A
- ** PO2CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)
- PO2CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
- R10CA-12260-03 Radiation therapy oncology group
- PO1CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
- R10CA-12637-03 Childrens cancer study group A
- ** PO2CA-13053-03 0053 Clinical cancer radiation therapy research center - Adjunctive chemotherapy in primary rhabdomyosarcoma (human)
- R10CA-13457-02 Radiation therapy oncology group
- R10CA-13809-02 Childrens cancer study group A
- PO1CA-14536-01 0087 Cancer Institute core proposal - Pediatric cancer center
- R10CA-14557-01 Childrens cancer study group A
- R10CA-15525-01 Southwest Cancer Chemotherapy Study Group
- R10CA-15857-01 Clinical chemotherapy and pharmacology

MUSCLE PHOSPHOFRUCTOKINASE DEFICIENCY

SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE VII

MUSCLE PHOSPHORYLASE DEFICIENCY

SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE V

MUSCLE PROTEINS

- SEE ALSO HEMOPROTEINS, MYOGLOBIN
- SEE ALSO MUSCLE RELAXING FACTOR
- ** ROIAM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
- ** ROIAM-02809-16 Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid)
- ** ROIAM-06165-10 Physical chemistry of contractile proteins (human, dogs, rabbits, fish)
- ROIAM-09520-09 Nutritive value of proteins (rats, monkeys)
- ROIAM-10948-05 Endocrine regulation of muscle growth (chickens)
- ** ROIAM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-12842-06 Regulatory enzymes of glycogen metabolism (rabbits, rats)
- R01AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- R01AM-15857-03 Acetylated proteins in muscular dystrophy (mice, rabbits, chickens)
- ** R01AM-15963-09 Regulation in muscles (scallop, limulus, chicken, rabbits, mice)
- ** R01AM-16445-01 Active sites of contractile proteins
- R01AM-16582-02 Lanthanide ions as probes of protein structure
- M R01AM-16654-02 Nutrition and muscle protein turnover by new methods
- ** R01AM-16654-02 0002 Nutrition and muscle protein turnover by new methods - Effect of various physiological and pathological conditions (rats, mice, dogs)
- ** R01AM-16654-02 0003 Nutrition and muscle protein turnover by new methods - Studies with human subjects
- P01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
- ** P01AM-16716-01 0018 Pathophysiological bases of muscle diseases - Contractile proteins in slow and fast twitch muscle (fish, chickens, mice)
- ** P01AM-16716-01 0020 Pathophysiological bases of muscle diseases - Muscles in normals, dystrophies, spontaneous hypertension (chicken, rodents, cat)
- R01AM-16922-02 Structure and function of sarcoplasmic reticulum (rabbits)
- R01AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
- R01AM-17559-01 Molecular mechanism of muscle contraction
- R01CA-12540-03 Electro-optic instrumentation and applications in biology
- P01CA-14733-02 0012 Control of gene expression, virus replication and cell growth - Muscle development (chick embryo)
- R01EY-00422-06 Fluorescent derivatives of tyrosine in cataract lens (human, rabbits)
- ** R01FD-00097-07 Changes in muscle proteins caused by microbial growth (bacteria, swine, cattle)
- R01GM-14237-09 Electron microscopy of macromolecular systems (mammals, E coli)
- P11GM-15759-08 0039 Clinical pharmacology in rheumatic and muscular diseases - Types of skeletal muscle and their subcellular fractions (human, animals)
- R01GM-20064-02 Properties of alpha-helix-forming substances
- ** R01GM-20141-02 Studies on biological motility (slime mold)
- R01GM-20168-02 Structural kinetic studies by nuclear magnetic resonance
- R01HD-00189-21 Mechanisms in differentiation of mesodermal tissues (chick embryo, xenopus)
- R01HD-04189-05 Physiology of the mammalian oviduct
- ** R01HL-01803-20 0004 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins in nerves (human, chick embryo)
- ** R01HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
- M P01HL-06285-14 Cardiovascular-respiratory physiology and biochemistry
- R01HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
- ** R01HL-14547-06 Contractile proteins of muscle (cats, swine)
- P01HL-14780-02 0024 Mechanisms and treatment of cardiovascular diseases - C-AMP and protein kinase in cardiac contraction and heart failure (cats, rats)
- P01HL-14810-03 0002 Cornell thrombosis research center - Endothelial cell culture (human, rabbits)
- R01HL-15462-02 Z-discs from heart and skeletal muscle (human, animal)
- ** R01HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)
- R01HL-15692-02 Control of force development in heart and muscle (frogs)
- ** P01HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
- ** P01HL-15835-01 0002 Pennsylvania Muscle Institute - Proteins from cardiac and vascular smooth muscle (rabbits, salamanders)
- ** P01HL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
- ** P01HL-15835-01 0007 Pennsylvania Muscle Institute - Structure and function of Limulus striated and cardiac muscle
- P01HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
- P01HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
- R01HL-16205-01 Control of reactions of coordinated ligands
- ** R01HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
- R01NS-07413-07 Metabolic relationships of selenium in myopathies (sheep)
- R01NS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
- ** R01NS-09283-05 Polyribosomes in human dystrophic
- ** R01NS-09420-04 Long-term nerve-muscle interactions (rats)
- R01NS-10382-01 Hereditary defects of muscle membrane composition (goats and rats)
- R01NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)

MUSCLE PROTEINS, ACTIN

- ** R01AI-08732-05 Immunological studies of actin-like proteins (rabbits, molds)
- R01AI-10639-04 Lymphatic system in health and in inflammation (mammals)
- ** R01AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
- R01AM-06165-10 Physical chemistry of contractile proteins (human, dogs, rabbits, fish)
- R01AM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)
- ** R01AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
- R01AM-12803-16 Structural basis of cellular function (animals, microorganisms)
- R01AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
- R01AM-14589-04 Muscle contraction and macromolecular conformation
- ** R01AM-14728-03 Structure-function studies on actin and myosin (rabbits, cattle)
- ** R01AM-14776-03 Disassembly of the I-Z-I bands of striated myofibrils (rabbits)
- R01AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
- P01AM-15671-04 0050 The biology of skeletal and other connective tissues - Morphological and cytochemical investigations on the osteoclast clear zone (mice)
- ** R01AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
- R01AM-16466-01 Cell differentiation (chick embryo)
- ** R01AM-16648-01 Hormonal control of muscle protein degradation (rats)
- ** R01AM-16654-02 0001 Nutrition and muscle protein turnover by new methods - 3-methylhistidine studies (rats)
- R01AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
- R01AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
- R01AM-17483-01 Rapid kinetic studies of myosin adenosinetriphosphatase (rabbit)
- ** R01AM-17492-02 Cytoplasmic streaming and contractile proteins (fungi)
- R01AM-17559-01 Molecular mechanism of muscle contraction
- P01CA-07175-11 0018 Cancer research at the McArdle laboratory - Cell motility and adhesion (chick embryo)
- P01CA-12708-03 0012 Studies of normal and malignant growth - Molecular mechanisms of movement in non-muscle (human tissue culture)
- ** R01CA-15229-01 Actin and tubulin in cancer cells (human)
- R01DE-03469-03 Teratogens on cleft palate formation (mice)
- R01GM-18854-03 Biological movement processes (terrestrial, fresh water and marine organisms)
- R01GM-19654-02 Molecular mechanism of cellular motility (amoebae, human)
- R01GM-20141-02 Studies on biological motility (slime mold)
- R01GM-20582-01 Control of calcium levels in fibroblast motility (human)
- ** R01HD-06010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
- P01HD-02528-08 0084 Research center in mental retardation - Energy flow in nervous tissue
- R01HD-03316-06 Protein synthesis in muscle differentiation (chick embryo)
- P01HD-05221-05 0016 Center grant in mental retardation - Contractile proteins and neurite formation (mice)
- P01HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
- R01HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
- P01HL-06285-14 0175 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Tropomyosin and troponin
- ** P01HL-11351-08 Molecular, cellular, and physiological investigations
- R01HL-14938-02 Contractile proteins of heart muscle (dogs, rabbits, chickens)
- R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- R01HL-15048-02 Contractile system of human blood platelets (and rabbits)
- R01HL-15051-02 Contractile and control sites of actomyosin (rats)
- R01HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)

MUSCLE PROTEINS, ALPHA-ACTININ

- ** P01NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)

MUSCLE PROTEINS, ACTOMYOSIN

- SEE ALSO NERVE PROTEINS, NEURIN, NEUROSTEININ AND STEVIN
- R01AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
- R01AM-05195-14 Interaction of ATP analogs with myosin
- R01AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
- P01AM-16716-01 0019 Pathophysiological bases of muscle diseases - Protein synthesis in experimental ventricular hypertrophy (guinea pig, cat, dog)
- R01AM-16728-02 Structure and function of muscle regulatory proteins (rabbit, carp)
- R01GM-20141-02 Studies on biological motility (slime mold)
- R01GM-21433-01 Somatic cell genetics of differentiated phenotypes (human)
- P01HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
- R01HD-07375-02 Molecular basis of neuromuscular development (nematodes)
- ** R01HL-01803-20 0002 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins smooth muscle, muscle-like structure (human, rabbits, goats)
- ** R01HL-01803-20 0003 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins of muscle and muscle-like structures (human, rabbits, goats)
- R01HL-03290-17 Controls of cardiac and vascular smooth muscles
- ** R01HL-04385-15 Distribution and function of the isopeptide bond
- P01HL-06835-13 0005 Cardiovascular disease - Thrombosis and arteriosclerosis
- P01HL-13262-02 0011 Arterial wall in atherosclerosis - Role of hypertension in atherosclerosis (human, animals)
- R01HL-13742-04 Morphogenesis of hypertensive vascular disease (rats)
- R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- R01HL-15048-02 Contractile system of human blood platelets (and rabbits)
- ** R01HL-15051-02 Contractile and control sites of actomyosin (rats)
- R01HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
- R01HL-15391-02 Nucleotide induced changes of conformation in myosin
- R01HL-15498-02 Effects of physical training on heart (rats)
- ** P01HL-15835-01 0004 Pennsylvania Muscle Institute - Actomyosin systems and cell motility (slime molds, human)
- R01HL-16915-01 Phosphorylation of myocardial regulatory protein (dogs)
- ** R01NS-04064-12 Amino acids and protein in brain structure and function (animals)
- R01NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
- R01NS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
- R01NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
- ** R01NS-11824-01 Amino acids and protein in brain structure and function (animals)

MUSCLE PROTEINS, MEROMYOSIN

- R01AM-14728-03 Structure-function studies on actin and myosin (rabbits, cattle)
- R01GM-19289-03 Microfilaments, morphogenesis, and cytodifferentiation
- R01GM-19464-03 Ultrastructure and biochemistry of contractile ring (plants, animals, human)
- R01HD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
- R01HD-06203-03 Biochemical changes in developing and aging muscles (rabbits, rats, chicken)
- R01HL-15391-02 Nucleotide induced changes of conformation in myosin
- P01HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
- R01NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

MUSCLE PROTEINS, MYOGEN

- ** RO1GM-17743-04 Myogenic lizard cells (lizards)

MUSCLE PROTEINS, MYOSIN

SEE ALSO PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

- RO1AA-00316-01 Effects of alcohol on skeletal and cardiac muscle (human, primates)
 RO1AJ-08054-07 Variations in antibody affinity (rabbits, bullfrogs)
 RO1AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
 ** RO1AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
 ** RO1AM-05195-14 Interaction of ATP analogs with myosin
 RO1AM-06165-10 Physical chemistry of contractile proteins (human, dogs, rabbits, fish)
 RO1AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
 RO1AM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)
 ** RO1AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
 RO1AM-12803-16 Structural basis of cellular function (animals, microorganisms)
 ** RO1AM-13238-06 Protein synthesis in muscle (chick embryos)
 RO1AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
 RO1AM-14589-04 Muscle contraction and macromolecular conformation
 ** RO1AM-14728-03 Structure-function studies on actin and myosin (rabbits, cattle)
 ** RO1AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
 ** RO1AM-15658-03 Regulation of skeletal metabolism (rats)
 ** RO1AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
 RO1AM-16194-03 Structure and function of phosphofruktokinase (rabbits, chickens, human)
 RO1AM-16315-19 Muscular contraction (rats, frogs)
 RO1AM-16445-01 Active sites of contractile proteins
 RO1AM-16466-01 Cell differentiation (chick embryo)
 ** RO1AM-16648-01 Hormonal control of muscle protein degradation (rats)
 ** RO1AM-16654-02 0001 Nutrition and muscle protein turnover by new methods - 3-methylhistidine studies (rats)
 ** RO1AM-16716-01 0018 Pathophysiological bases of muscle diseases - Contractile proteins in slow and fast twitch muscle (fish, chickens, mice)
 RO1AM-16716-01 0022 Pathophysiological bases of muscle diseases - Immune response in polymyositis and muscular dystrophy (mice, guinea pig, human)
 RO1AM-16736-01 Myosin ATPase mechanism and energy transduction (rabbits, swine)
 RO1AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
 ** RO1AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
 ** RO1AM-17483-01 Rapid kinetic studies of myosin adenosinetriphosphatase (rabbit)
 ** RO1AM-17492-02 Cytoplasmic streaming and contractile proteins (fungi)
 RO1AM-17559-01 Molecular mechanism of muscle contraction
 RO1CA-06081-13 0009 Ultrastructural pathology - Re-investigation of muscle contraction (rabbits, fish)
 PO1CA-07175-11 0018 Cancer research at the McArdle laboratory - Cell motility and adhesion (chick embryo)
 RO1CA-12540-03 Electro-optic instrumentation and applications in biology
 RO1DE-03469-03 Teratogens on cleft palate formation (mice)
 ** PO1GM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
 RO1GM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
 RO1GM-18854-03 Biological movement processes (terrestrial, fresh water and marine organisms)
 ** RO1GM-19627-01 Contractile mechanism of vertebrate smooth muscle (children)
 RO1GM-19654-02 Molecular mechanism of cellular motility (amoebae, human)
 RO1GM-20141-02 Studies on biological motility (slime mold)
 RO1GM-20582-01 Control of calcium levels in fibroblast motility (human)
 ** RO1HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
 RO1HD-03316-06 Protein synthesis in muscle differentiation (chick embryo)
 RO1HD-04669-04 Muscle differentiation in embryonic chick limb buds
 PO1HD-05221-05 0016 Center grant in mental retardation - Contractile proteins and neurite formation (mice)
 ** RO1HD-06203-03 Biochemical changes in developing and aging muscles (rabbits, rats, chicken)
 PO1HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)

- ** RO1HD-07796-02 Control of myosin synthesis during muscle differentiation (rats, quail)
 RO1HD-08641-01 Aging and metabolism in skeletal muscle (rats)
 ** RO1HD-08679-01 Study of fetal myosin (mice)
 ** RO1HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
 ** PO1HL-06285-14 0174 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Myosin light chains
 ** PO1HL-06285-14 0175 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Tropomyosin and troponin
 ** PO1HL-06285-14 0176 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Kinetics of ATPase reaction
 ** RO1HL-06924-12 Humoral and metabolic aspects of cardiac function (rats, human)
 ** RO1HL-09544-09 Biochemistry of contractile proteins (animals)
 PO1HL-11351-08 Molecular, cellular, and physiological investigations
 ** PO1HL-11414-07 0011 Thrombosis and atherosclerosis program - Contractile proteins in cardiac hypertrophy (rabbits)
 RO1HL-11534-07 Mechanism of cardiac hypertrophy (rats)
 RO1HL-12147-07 Histochemistry of early arteriosclerotic lesions
 RO1HL-12147-07 0005 Histochemistry of early arteriosclerotic lesions - Conventional fluorescence microscopy
 ** RO1HL-13317-04 Cellular mechanisms in cardiac hypertrophy (rabbits, calves)
 RO1HL-14623-02 Multiphase chemistry of human heart muscle (and dogs)
 RO1HL-14938-02 Contractile proteins of heart muscle (dogs, rabbits, chickens)
 RO1HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
 RO1HL-15048-02 Contractile system of human blood platelets (and rabbits)
 RO1HL-15051-02 Contractile and control sites of actomyosin (rats)
 P17HL-15062-03 0011 Study of lipoproteins, artery wall, and atherosclerosis - Immunohistochemistry of components in atherosclerosis (human, monkeys, rabbits)
 ** RO1HL-15391-02 Nucleotide induced changes of conformation in myosin
 RO1HL-15498-02 Effects of physical training on heart (rats)
 PO1HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
 PO1HL-15835-01 0002 Pennsylvania Muscle Institute - Proteins from cardiac and vascular smooth muscle (rabbits, salamanders)
 PO1HL-15835-01 0004 Pennsylvania Muscle Institute - Actomyosin systems and cell motility (slime molds, human)
 ** PO1HL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
 PO1HL-15835-01 0007 Pennsylvania Muscle Institute - Structure and function of Limulus striated and cardiac muscle
 PO1HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
 ** RO1HL-16596-01 Structure and function of cardiac myosin (dogs, human)
 RO1HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
 RO1HL-16853-01 The contractile apparatus in cardiac hypertrophy (rabbits)
 ** RO1NS-04064-12 Amino acids and protein in brain structure and function (animals)
 RO1NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
 ** RO1NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
 RO1NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
 RO1NS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
 RO1NS-11165-01 Contractile mechanisms and myogenesis (rabbits, mice)
 RO1NS-11190-01 Histochemical studies of neural influences (rabbits)
 RO1NS-11329-01 mRNA metabolism in differentiating cells (mice)
 ** RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
 PO1NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)
 ** RO1NS-11824-01 Amino acids and protein in brain structure and function (animals)

MUSCLE PROTEINS, PARAMYOSIN

- RO1AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
 RO1GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)

- PO1HL-15835-01 0007 Pennsylvania Muscle Institute - Structure and function of Limulus striated and cardiac muscle

MUSCLE PROTEINS, TROPOMYOSIN

- SEE ALSO MUSCLE PROTEINS, TROPONIN
 RO1AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
 RO1AM-10551-09 Analysis of cellular calcium compartments in muscle (rabbits)
 RO1AM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)
 ** RO1AM-14776-03 Disassembly of the I-Z-I bands of striated myofibrils (rabbits)
 RO1AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
 RO1AM-16253-03 Structure and function of troponin (carp, chicken)
 RO1AM-16728-02 Structure and function of muscle regulatory proteins (rabbit, carp)
 RO1AM-17062-01 Regulation of muscular contraction-A comparative study
 RO1AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
 RO1GM-20141-02 Studies on biological motility (slime mold)
 ** RO1HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
 RO1HD-03316-06 Protein synthesis in muscle differentiation (chick embryo)
 PO1HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
 ** RO1HL-01803-20 0003 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins of muscle and muscle-like structures (human, rabbits, goats)
 ** PO1HL-06285-14 0175 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Tropomyosin and troponin
 PO1HL-06835-13 0005 Cardiovascular disease - Thrombosis and arteriosclerosis
 RO1HL-09544-09 Biochemistry of contractile proteins (animals)
 RO1HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
 PO1HL-14810-03 0009 Cornell thrombosis research center - Contractile proteins of cardiovascular smooth muscle and platelets (human)
 RO1HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
 ** RO1HL-15048-02 Contractile system of human blood platelets (and rabbits)
 RO1HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
 RO1HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)
 PO1HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
 PO1HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
 ** RO1HL-16915-01 Phosphorylation of myocardial regulatory protein (dogs)
 RO1NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
 RO1NS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
 RO1NS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
 RO1NS-10582-02 Actin and other filaments in the growing neuron (chickens, rats)
 ** PO7RR-00711-02 0006 High frequency NMR biotechnology resource - Regulatory protein of carp white muscle

MUSCLE PROTEINS, TROPONIN

- RO1AM-06165-10 Physical chemistry of contractile proteins (human, dogs, rabbits, fish)
 RO1AM-10551-09 Analysis of cellular calcium compartments in muscle (rabbits)
 RO1AM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)
 ** RO1AM-13238-06 Protein synthesis in muscle (chick embryos)
 ** RO1AM-14776-03 Disassembly of the I-Z-I bands of striated myofibrils (rabbits)
 RO1AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
 ** RO1AM-16253-03 Structure and function of troponin (carp, chicken)
 PO1AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
 PO1AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
 RO1AM-16728-02 Structure and function of muscle regulatory proteins (rabbit, carp)
 RO1AM-17062-01 Regulation of muscular contraction-A comparative study
 RO1AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

† Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
- R01GM-19654-02 Molecular mechanism of cellular motility (amoebae, human)
- R01GM-20141-02 Studies on biological motility (slime mold)
- ** R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
- PO1HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
- PO1HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)
- ** R01HL-01803-20 0003 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins of muscle and muscle-like structures (human, rabbits, goats)
- R01HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
- ** PO1HL-06285-14 0174 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Myosin light chains
- ** PO1HL-06285-14 0175 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Tropomyosin and troponin
- ** PO1HL-06285-14 0176 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Kinetics of ATPase reaction
- ** R01HL-09544-09 Biochemistry of contractile proteins (animals)
- R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- R01HL-15048-02 Contractile system of human blood platelets (and rabbits)
- ** R01HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
- PO1HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
- PO1HL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
- R01HL-16915-01 Phosphorylation of myocardial regulatory protein (dogs)
- R01NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
- R01NS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
- R01NS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
- R01NS-11252-01 Function of a brain calcium-binding protein (rats, mice)

MUSCLE RELAXANTS

- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- R01CA-13119-02 Colchicine derivatives as antileukemic agents
- P02CA-13696-02 0043 Clinical cancer research center - Radiodiagnostic techniques-Reflux pancreatography (cats)
- ** PO1GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
- ** PO1GM-09069-12 0113 Research in anesthesiology - Radioimmunoassays of pancuronium and gallamine (rabbits)
- PO1GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
- PO1GM-15571-06 0071 Anesthesia research-Program project - Neuromuscular blocking agents (human)
- P11GM-15956-07 0039 Factors affecting the responses to drugs - Effects of aluminum ions on gastrointestinal smooth muscle (rats, guinea pigs)
- ** PO1GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
- PO1GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- PO1GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- P11GM-16216-06 0037 Toxicological problems of drugs (placental transfer, lactation) - Intravenous alcohol (human)
- R01GM-20357-01 Glycol derivatives-Absolute configuration of drugs
- R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- R01HD-06963-09 Properties of smooth muscle (rats)
- PO1HL-05435-14 0022 Cardiovascular research and training program - Anesthesia research laboratory (human)
- PO1HL-06296-14 0005 Human adaptation to environmental and exercise stress - Regulation of ventricular performance (animals)
- PO1HL-06336-14 0025 Cardiovascular program project - Acute myocardial infarction (human)
- ** PO1HL-06664-13 0030 Cardiopulmonary function in remediable vascular disease - Inotropic actions of antiarrhythmic drugs and drug combinations (mice, cats)
- R01HL-09914-09 Myocardial function and metabolism disease (dogs)
- PO1HL-10539-09 0006 Pathophysiology of circulation - Acute myocardial infarction (dogs, baboons)

- PO1HL-10539-09 0037 Pathophysiology of circulation - Electro-mechanical activity of isolated heart muscle (rats, guinea pigs)
- R01HL-10869-08 Response of the denervated heart to drugs (rats, dogs)
- ** PO1HL-11306-08 0102 Cardiovascular research program - Chronic dobutamine infusion in left ventricle failure
- PO1HL-11307-08 0003 Biophysical studies in pediatric cardiology - Cellular biophysics
- R01HL-12426-06 Voltage clamp of cardiac muscle (frogs)
- R01HL-12774-05 Depolarization-contraction relation-Heart muscle (cats, frogs)
- R01HL-13776-04 Cyclic nucleotides and cardiac function (chick embryo)
- ** PO1HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
- PO1HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dysrhythmia (human)
- PO1HL-14780-02 0025 Mechanisms and treatment of cardiovascular diseases - Left ventricular contractility (human, dogs)
- PO1HL-14780-02 0026 Mechanisms and treatment of cardiovascular diseases - Assessment of right ventricular contractility (human)
- R01HL-15764-01 C-AMP dependent protein kinase in cardiac contraction
- PO1HL-15833-01 0001 Pharmacologic and physiologic basis of cardiac therapy - Drug effects on heart cell in tissue culture (rats, chick embryo)
- PO1HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
- ** R01HL-16179-01 Action of vascular and other smooth muscle inhibitors
- R01MH-07995-11 0005 Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
- R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- R01NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)

MUSCLE RELAXANTS, ANTISPASMODICS

- R01AM-11835-06 Physiology and treatment of gastroesophageal incompetence (human, dogs, cats)
- R01AM-14047-06 Biological control of scar tissue (rats, dogs)
- R01HL-16179-01 Action of vascular and other smooth muscle inhibitors
- R01MH-22340-02 New method for studying drug effects on learning (pigeons)

MUSCLE RELAXANTS, NEUROMUSCULAR BLOCKING AGENTS

- R01AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
- R01EY-00091-08 Neuromuscular effects of anesthetic agents (cats)
- ** PO1GM-09069-12 0024 Research in anesthesiology - Pharmacokinetics of tubocurarine (human)
- ** PO1GM-09069-12 0030 Research in anesthesiology - Clinical pharmacology of pancuronium (human)
- PO1GM-09069-12 0053 Research in anesthesiology - W19053, local anesthetic (rodents)
- PO1GM-09069-12 0068 Research in anesthesiology - Neuromuscular transmission and blockade in vitro (anurans)
- ** PO1GM-09069-12 0072 Research in anesthesiology - Neuromuscular blocking agents in infants and children (human, mice)
- ** PO1GM-09069-12 0107 Research in anesthesiology - Pyridostigmine as an antagonist of pancuronium
- PO1GM-09069-12 0108 Research in anesthesiology - Electromyographic effects of pancuronium and succinylcholine
- ** PO1GM-09069-12 0110 Research in anesthesiology - Action of pancuronium and toxiferine (mice)
- PO1GM-09069-12 0114 Research in anesthesiology - Dose-response curve of D-tubocurarine (human)
- PO1GM-09069-12 0115 Research in anesthesiology - Effect of enflurane and cyclopropane on neuromuscular transmission
- ** PO1GM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue
- PO1GM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)
- ** PO1GM-15571-06 0071 Anesthesia research-Program project - Neuromuscular blocking agents (human)
- PO1GM-15571-06 0072 Anesthesia research-Program project - Comparative pharmacology of inhaled anesthetics
- PO1GM-15904-07 0007 Anesthesiology center for research and teaching - Anesthetics and evoked potentials in sympathetic ganglion cells
- PO1GM-15904-07 0008 Anesthesiology center for research and teaching - New ester quaternary ammonium compounds (rats, rabbits, cats)
- PO1GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)

- R01GM-16031-13 Amphibian toxins-Chemistry and pharmacology (frogs, fish, cats)
- ** PO1GM-19599-02 0007 Surveillance and predictive diagnosis in surgical patients - Neuromuscular junction studies (human, cats)
- R01GM-20633-02 Cell membrane transport during shock (frogs, human, primates)
- R01HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
- R01HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
- ** R01NS-04618-11 Drug-receptor interactions (animals)
- ** R01NS-08427-06 Stereochemical requirements for NMJ blockade (cats)
- ** R01NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
- R01NS-10349-03 Neurotrophic influence on muscle (rabbits)
- R01NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
- ** MO1RR-00645-03 0055 Clinical research center - Neuromuscular blocking agents and their antagonists (human)

MUSCLE RELAXANTS, NEUROMUSCULAR BLOCKING AGENTS DEPOLARIZING

- R23OE-03612-02 Inflammation and mandibular block anesthesia
- PO1GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
- PO1HL-13480-04 0020 Cardiac electrophysiology - Barnacle photoreceptor cells
- R01NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ** R01NS-04988-11 Cholinergic receptor activation and desensitization (frogs)
- PO1NS-07464-07 0016 Laboratory of neurobiology - SH reagents and sensitivity of the cholinergic end-plate receptors
- R01NS-07474-07 Electrical and contractile properties of muscle (squid)
- R01NS-07540-07 Sympathetic ganglia following conditioning (frogs)
- R01NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
- R01NS-09871-03 Anesthesia and the nervous system (cats)
- MO1RR-00075-11 0066 General clinical research center for children - Immune parameters in juvenile myasthenia gravis

MUSCLE RELAXATION

SEE MUSCLE FUNCTION, MUSCLE RELAXATION

MUSCLE RELAXING FACTOR

- R01AM-16315-19 Muscular contraction (rats, frogs)
- R01HL-01803-20 0003 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins of muscle and muscle-like structures (human, rabbits, goats)
- R01HL-15048-02 Contractile system of human blood platelets (and rabbits)
- R01NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
- PO1NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)

MUSCLE STIMULANTS

- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- ** R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)
- R01GM-16811-05 Role of cyclic GMP and cyclic AMP (animals)
- R01HD-06963-09 Properties of smooth muscle (rats)
- PO1HL-06296-14 0001 Human adaptation to environmental and exercise stress - Dimensional analysis of ventricular function (dogs)
- PO1HL-06296-14 0005 Human adaptation to environmental and exercise stress - Regulation of ventricular performance (animals)
- ** PO1HL-06308-14 0023 Mechanisms and therapy of circulatory disease - Polypeptides and heart mitochondrial structure and function (rats)
- PO1HL-06336-14 0007 Cardiovascular program project - Abnormalities of myocardial contractility in coronary heart disease (human)
- PO1HL-10539-09 0037 Pathophysiology of circulation - Electro-mechanical activity of isolated heart muscle (rats, guinea pigs)
- ** PO1HL-10539-09 0043 Pathophysiology of circulation - Sustained inotropism during hypoxia
- PO1HL-10539-09 0045 Pathophysiology of circulation - Effect of fluorocarbon on isolated cardiac muscle (rats)
- R01HL-10897-09 Effects of hormones on cardiac electrogenesis (rabbits, guinea pigs)
- ** PO1HL-11306-08 0102 Cardiovascular research program - Chronic dobutamine infusion in left ventricle failure (cont)

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- PO1HL-11307-08 0003 Biophysical studies in pediatric cardiology - Cellular biophysics
- PO1HL-11414-07 0023 Thrombosis and atherosclerosis program - Cyclic AMP system controlling myocardial function (hamster)
- PO1HL-13517-04 0020 Circulatory performance and production - Factors influencing the rate of onset of cardiotoxic steroid action (rabbits)
- RO1HL-13776-04 Cyclic nucleotides and cardiac function (chick embryo)
- RO1HL-14412-03 Cardiac toxicity of aerosol propellants (human, mammals)
- ** PO1HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
- PO1HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dysrhythmia (human)
- PO1HL-14780-02 0024 Mechanisms and treatment of cardiovascular diseases - C-AMP and protein kinase in cardiac contraction and heart failure (cats, rats)
- PO1HL-14780-02 0025 Mechanisms and treatment of cardiovascular diseases - Left ventricular contractility (human, dogs)
- PO1HL-14780-02 0026 Mechanisms and treatment of cardiovascular diseases - Assessment of right ventricular contractility (human)
- PO1HL-14780-02 0027 Mechanisms and treatment of cardiovascular diseases - Abnormalities, heart function and compensatory mechanisms in heart disease
- P17HL-15062-03 0016 Study of lipoproteins, artery wall, and atherosclerosis - Circulatory and contractile responses in atherosclerotic monkeys
- RO1HL-15232-02 Myocardial conversion of angiotensin I (dogs, rabbits)
- PO1HL-15833-01 0002 Pharmacologic and physiologic basis of cardiac therapy - Drug action on isolated embryonic avian and rat heart
- PO1HL-15833-01 0004 Pharmacologic and physiologic basis of cardiac therapy - Mechanism of drug action in myocardial infarction (dogs)
- PO1HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
- ** RO1HL-15991-01 Evaluation of heart stimulants in sea anemones
- ** RO1HL-16052-01 Cardiac glycosides-Mechanism of inotropic action (dogs, sheep)
- PO1HL-16117-01 0007 Ion movements and membranes in cardiovascular control - Physiological and molecular properties of ionophores (dogs, rabbits)
- PO1HL-16607-01 0003 Calcium ion and control of cardiovascular function - Calcium transport in sarcoplasmic membranes (animals)
- PO1HL-16607-01 0004 Calcium ion and control of cardiovascular function - Contractile effects of calcium ionophores (animals)
- RO1HL-16656-01 Left ventricular function in emaciated (dogs)
- RO1HL-17684-01 Adrenergic mechanisms in cardiac muscle (rabbits, cats)
- ** RO1HL-17688-01 Inotropic actions of corticosteroids (cats, dogs)
- RO1NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- MO1RR-00044-14 0073 General clinical research center - Cardiac conduction abnormalities in myotonic dystrophy (human)
- MUSCLE STRESS**
SEE MUSCLE FUNCTION, MUSCLE STRESS
- MUSCLE STRETCH RECEPTORS**
SEE MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)
- MUSCLE STRETCH REFLEX**
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
- MUSCLE TENSION**
SEE MUSCLE FUNCTION, MUSCLE TENSION
- MUSCLE TONE**
SEE MUSCLE FUNCTION, MUSCLE TONE
- MUSCLE TRANSPLANTATION**
PO1AM-16716-01 0010 Pathophysiological bases of muscle diseases - AChE, membrane enzymes and trophic effects of nerves (chickens, mammals, human)
- MUSCLES**
SEE ALSO HEART, MYOCARDIUM
SEE ALSO HEART, PAPILLARY MUSCLES
SEE ALSO NEUROMOTOR SYSTEM
SEE ALSO REPRODUCTIVE SYSTEM FEMALE, UTERUS, MYOMETRIUM
SEE ALSO RESPIRATORY MUSCLES
SEE ALSO SKELETAL SYSTEM, TENDONS
PO1AM-00002-28 0003 Metabolic and hereditary disorders - ATP transphosphorylases (human, rabbits, calves, yeast)
- RO1AM-06011-13 0006 Diet control of lipid metabolism - Effect of dietary lipids on lipogenesis in fish
- RO1AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
- RO1AM-11410-08 Allosteric properties of phosphofructokinase (rabbits)
- RO1AM-12443-06 Renal ammonia metabolism during development (rats)
- RO1AM-13332-06 Metabolic regulation and interacting enzyme systems (cattle, rats)
- RO1AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- RO1AM-14702-04 0004 Mechanism of insulin antagonism - Growth hormone and the glucose fatty acid cycle (rats)
- RO1AM-15191-04 Physiology, pathology and biochemistry of diabetes (human, rats)
- RO1AM-15533-03 Function of the glycoclyx in muscle (rats)
- RO1AM-15855-03 Branched amino acid metabolism in altered nutrition (human, rats)
- RO1AM-15893-01 Regulation of lipid metabolism in human adipose tissue (human)
- RO1AM-16396-02 Mechanisms of fat and steroid absorption by gut (mammals)
- PO1AM-16716-01 0016 Pathophysiological bases of muscle diseases - Phosphate binding sites of muscle glycolytic enzymes (rabbits)
- P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
- ** P17AM-17026-01 0038 Vanderbilt University Diabetes-Endocrinology Center - Regulation of skeletal muscle glycogen synthetase kinase and phosphatase
- RO1AM-17323-02 Active site of creatine kinase from rabbit muscle
- RO1AM-17574-01 Fluxes across biomembranes and peptide hormone action (rats)
- PO1CA-13526-03 0004 Correlated study of metabolic regulation in neoplasia - Isozyme pattern and control of key glycolytic enzymes (rats)
- RO1CA-16912-01 Thio and seleno sugar esters of group V acids
- ** PO1DE-01850-11 0039 Fluoride metabolism - Fluoride content of muscle (rabbits)
- ** PO1DE-01850-11 0043 Fluoride metabolism - Calcium content of muscle
- P13DE-02668-08 0002 Dental research center - Growth mechanisms (rats)
- PO1DE-02848-06 0019 Biology of connective tissue, bones and teeth - Vascularization and avascularization (chick embryo, rabbits, hamsters)
- RO1DE-03368-03 Submandibular gland growth factors and oral tissues (rats, mice)
- PO1GM-16436-06 0031 Bioengineering program project - Optical and ultrasonic propagation analysis in tissue
- PO1GM-16934-06 0007 Sulfonamides and carbonic anhydrase-Basis for therapy - New substrates for carbonic anhydrase-New approaches to analysis
- RO1GM-17959-03 Preservation of organs by freezing (human, rodents, rabbits, frogs)
- PO1GM-18470-03 0021 Trauma center - Calcium flux in skeletal muscle in hemorrhagic shock (human)
- RO1GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
- RO1GM-20412-02 Biochemistry of inherited variations in drug response (mice)
- PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- RO1HO-07707-02 Pediatric parenteral alimentation--Metabolic studies
- RO1HO-08034-01 Reproductive function and gonadal steroid dynamics (human, monkeys)
- RO1HL-01813-20 Regulation of metabolism by drugs and hormones (rats)
- PO1HL-08805-10 0018 Cardiovascular and pulmonary performance - Gas stores and ventilation in normal and obstructed breathing (geats, dogs, huma)
- RO1HL-09773-09 Circulatory distribution and energy metabolism (human, belones)
- RO1HL-10406-09 Synthesis, metabolism and function of lipids (rats, bacteria)
- RO1HL-10935-06 Vasopressor action during hemorrhage and hyponatremia (human, dogs)
- RO1HL-14822-03 Regulation of blood flow (fish)
- RO1HL-15766-02 Synthesis and mechanisms of membrane-active drugs
- M PO1HL-15835-01 Pennsylvania Muscle Institute
- RO1HL-16348-01 ion transport thru membranes and cell acid-base state
- ** R13HL-16410-01 Gordon conference on cardiac and skeletal muscle
- RO1HL-17080-01 Localization of pore systems in capillary walls (rats)
- RO1NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
- RO1NS-03321-13 Electrolytes in nerve and muscle function (frogs)
- RO1NS-04096-13 Normal, degenerating and dystrophic guinea pigs, cats)
- ** RO1NS-07758-06 NMR studies of cell excitation (frogs, rats)
- ** RO1NS-08336-14 ion fluxes in nerve and muscle (squid, barnacles)
- RO1NS-08990-04 Metabolism of sphingosine and beta-ecdysone (crayfish)
- ** PO1NS-10175-03 0018 Neuromuscular disease research center - Theophylline on normal and denervated muscle (rats)
- ** PO1NS-10175-03 0019 Neuromuscular disease research center - Effect of imidazole on normal muscle (rats)
- ** RO1NS-11055-02 Control of mammalian muscle during reinnervation (rat)
- PO1NS-11766-01 0007 Clinical research center for neuromuscular disease - Protein components in excitable membrane fragments (electric eel, mammals)
- MO1RR-00036-14 0150 General clinical research center - Factors contributing to muscle capillary basement membrane thickness (human)
- ** MO1RR-00039-14 0081 General clinical research center - Carriers of Duchenne dystrophy
- MO1RR-00056-13 0028 General Clinical Research Center - Normal end diseased human muscle
- MUSCLES, EAR MUSCLES**
** PO1DE-01697-12 0017 Interdisciplinary studies in cleft palate - Function of the middle ear muscles (human)
- RO1MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- RO1NS-10787-01 The stapedius reflex as an index of hearing loss
- MUSCLES, EAR MUSCLES, TENSOR TYMPANI**
SEE ALSO EAR, MIDDLE EAR, TYMPANUM
RO1NS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)
- MUSCLES, EXTRAOCULAR MUSCLES**
RO1AA-00311-03 0013 Metabolic and psychological factors in alcoholism - REM changes and hallucinations in relation to extraocular potentials (human)
- RO1AM-10763-07 Ocular control systems for orthotics (human)
- ** PO1EY-00299-09 0003 Neurophysiology of the visual apparatus - Innervation and the resulting developmental muscle forces (human)
- ** PO1EY-00299-09 0008 Neurophysiology of the visual apparatus - Structural and functional correlation in extraocular muscle (end cats)
- ** PO1EY-00299-09 0017 Neurophysiology of the visual apparatus - Muscle force patterns responsible for eye movements (human)
- PO1EY-00299-09 0018 Neurophysiology of the visual apparatus - Motor units in the phases and type of eye movements (human)
- PO1EY-00299-09 0020 Neurophysiology of the visual apparatus - Model of eye movement control
- ** PO1EY-00299-09 0021 Neurophysiology of the visual apparatus - Coordinates of extraocular muscles in steady state (cat)
- ** PO1EY-00299-09 0023 Neurophysiology of the visual apparatus - Pharmacological weakening of extraocular muscles (monkeys)
- ** RO1EY-00309-09 Fine structure of normal and pathologic ocular muscle (rabbits, monkeys, rats)
- ** RO1EY-00519-05 Normal and diseased extraocular muscle (human, primates)
- RO1EY-00592-06 Oculomotor control (monkeys)
- ** RO1EY-00799-03 Ocular dystrophies and extraocular muscles (human, cats)
- ** RO1EY-00848-03 Motoneuron and motor unit control of eye movements (monkeys, cats)
- RO1EY-00955-03 Alert primate oculomotor system
- ** PO1EY-01186-02 0001 The visual science research center grant - Human oculomotor physiology (and cats, monkeys, dogs)
- ** PO1EY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
- ** RO1EY-01297-01 Physiology and pharmacology of extraocular muscles
- R23EY-01391-01 Cause and time course of accommodative miosis (human)
- ** RO1NS-08335-07 Experimental studies on vestibular mechanism (cats, rabbits)
- MUSCLES, FACIAL MUSCLES**
RO1DE-02309-08 Comparative anatomy of feeding organs (mammals, reptiles)
- ** P13DE-02731-08 0007 Development support for dental research institute - Oral histology (primates, mice, rats)
- PO1DE-03610-08 0008 Cranio-facial growth and development - Functional adaptation during growth of cranio-facial complex (human)
- PO1NS-11780-01 0003 Neuromuscular mechanisms underlying speech production - Facial and mandibular motor reflexes
- PO1NS-11780-01 0004 Neuromuscular mechanisms underlying speech production - Voluntary control (primates, human and nonhuman)
- MUSCLES, GASTROCNEMIUS MUSCLE**
RO1GM-17743-04 Myogenic lizard cells (lizards)
- PO1NS-11631-01 0071 Clinical center for research on Parkinson's and allied diseases - Conduction velocity of motor nerve fibers (rats)
- MUSCLES, MYOFIBRILS**
RO1AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)

(contd)

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- ** R01AM-02809-16 Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid)
 R01AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
 R01AM-05195-14 Interaction of ATP analogs with myosin
 R01AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
 ** R01AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
 R01AM-12803-16 Structural basis of cellular function (animals, microorganisms)
 R01AM-13238-06 Protein synthesis in muscle (chick embryos)
 ** R01AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
 R01AM-14589-04 Muscle contraction and macromolecular conformation
 ** R01AM-14776-03 Disassembly of the I-Z-I bands of striated myofibrils (rabbits)
 R01AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
 ** R01AM-15876-03 Myofilament lattice-Morphology and function (decapods)
 ** R01AM-15963-09 Regulation in muscles (scallop, limulus, chicken, rabbits, mice)
 R01AM-16293-01 Constitutive equations for soft tissues (rats)
 R01AM-16528-03 The activation mechanism of skeletal muscle (frogs)
 ** P01AM-16716-01 0001 Pathophysiological bases of muscle diseases - Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters)
 P01AM-16716-01 0008 Pathophysiological bases of muscle diseases - Neuromuscular system in task performance and its damage in MD (chickens)
 P01AM-16716-01 0013 Pathophysiological bases of muscle diseases - Characteristics of the myoelectric signal (human, animals)
 P01AM-16716-01 0020 Pathophysiological bases of muscle diseases - Muscles in normals, dystrophies, spontaneous hypertension (chicken, rodents, cat)
 R01AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
 R01AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
 R01AM-17559-01 Molecular mechanism of muscle contraction
 R01AM-17666-01 Adaptations induced by exercise training (rats)
 P01EY-00299-09 0008 Neurophysiology of the visual apparatus - Structural and functional correlation in extracellular muscle (and cats)
 R01EY-00309-09 Fine structure of normal and pathologic ocular muscle (rabbits, monkeys, rats)
 P01EY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
 R01FD-00097-07 Changes in muscle proteins caused by microbial growth (bacteria, swine, cattle)
 P01GM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
 R01GM-18854-03 Biological movement processes (terrestrial, fresh water and marine organisms)
 R01GM-19627-01 Contractile mechanism of vertebrate smooth muscle (children)
 R01HD-00047-10 Control of cell differentiation in culture (chick embryo)
 R01HD-07083-02 Control of proliferation during muscle development (quail)
 R01HL-03290-17 Controls of cardiac and vascular smooth muscles
 ** R01HL-04385-15 Distribution and function of the isopeptide bond
 R01HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
 R01HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
 P01HL-10436-09 0010 Congenital heart disease - Electron microscopy in early embryogenesis (chick embryo)
 R01HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
 ** R01HL-12147-07 Histochemistry of early arteriosclerotic lesions
 ** R01HL-12147-07 0001 Histochemistry of early arteriosclerotic lesions - Neutral premethylated dyes
 R01HL-12147-07 0005 Histochemistry of early arteriosclerotic lesions - Conventional fluorescence microscopy
 R01HL-12147-07 0007 Histochemistry of early arteriosclerotic lesions - Polarization microscopy of stained myofibrils
 R01HL-13010-05 Properties of the sarcotubular system (frogs)
 R01HL-13321-04 Effect of drugs on Purkinje and ventricular fibers (dogs, guinea pigs)
 R01HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
 P01HL-13517-04 0006 Circulatory performance and prediction - Cardiac muscle performance dynamics of component fibers (cats, rats, rabbits)
 R01HL-13810-03 Simultaneous measurement of cell pH by two methods (rats)
 P17HL-14138-04 0005 Center for research on atherosclerosis - Metabolic ultrastructural correlations (pigs)
 R01HL-14938-02 Contractile proteins of heart muscle (dogs, rabbits, chickens)
 R01HL-15462-02 Z-discs from heart and skeletal muscle (human, animal)
 R01HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)
 R01HL-15692-02 Control of force development in heart and muscle (frogs)
 R01HL-15829-01 Regulation of vascular smooth muscle contractility
 P01HL-15835-01 0002 Pennsylvania Muscle Institute - Proteins from cardiac and vascular smooth muscle (rabbits, salamanders)
 P01HL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
 P01HL-15835-01 0007 Pennsylvania Muscle Institute - Structure and function of Limulus striated and cardiac muscle
 P01HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
 P01HL-16117-01 0002 Ion movements and membranes in cardiovascular control - Fluorescence and excitation-contraction in heart (frogs)
 R01HL-16596-01 Structure and function of cardiac myosin (dogs, human)
 R01HL-16606-07 Force, velocity and sarcomere length in muscle (frogs)
 R01HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
 P01NS-03354-13 0003 Neurosensory center - Neurophysiology (rats)
 R01NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
 R01NS-05910-08 Cell physiology correlated with ultrastructure (crayfish)
 R01NS-06277-09 Electron microscopy of myopathies (human, rats)
 P01NS-07464-07 0021 Laboratory of neurobiology - Membrane sealing in skeletal muscle fibers (frogs)
 P01NS-07464-07 0023 Laboratory of neurobiology - Excitation miniature end-plate potentials (crustaceans)
 R01NS-07662-08 Structure of nerve endings (rats, chickens)
 R01NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
 ** P01NS-10175-03 0004 Neuromuscular disease research center - Myotonia-lipid, protein and fatty acid composition of SR (goats)
 ** P01NS-10175-03 0007 Neuromuscular disease research center - Muscle fiber typing-Dorsal rhizotomy (cats)
 ** P01NS-10175-03 0008 Neuromuscular disease research center - Muscle fiber typing-Cerebral lesions (cats)
 R01NS-10327-03 Stimulus-response coupling in contractile cells (frogs, crabs, protozoa)
 R01NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
 R01NS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
 R01NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
 R01NS-10716-01 Muscular dystrophy-Alterations mediated by exercise (hamsters)
 R01NS-10792-02 Physiology of synapses developing in vivo (salamanders)
 ** P01NS-10981-02 0001 Control of activity in excitable tissues - Studies on internal muscle fiber membranes (spiders, frog, fish)
 ** P01NS-10981-02 0005 Control of activity in excitable tissues - Studies on neuromuscular transmission (frogs)
 ** P01NS-10981-02 0008 Control of activity in excitable tissues - Radial spread of activation in single muscle fibers (frogs)
 ** P01NS-10981-02 0010 Control of activity in excitable tissues - Extracellular volume and myoplasmic Ca ion concentration during activity (toads)
 ** P01NS-10981-02 0012 Control of activity in excitable tissues - Extrinsic fluorescence in sartorius muscles (frogs)
 R01NS-11165-01 Contractile mechanisms and myogenesis (rabbits, mice)
 R01NS-11190-01 Histochemical studies of neural influences (rabbits)
 ** R01NS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)
 ** P01NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)
 P07RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)
MUSCLES, MYOGENESIS
 R01A-08732-05 Immunological studies of actin-like proteins (rabbits, molds)
 ** R01AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
 ** R01AM-10948-05 Endocrine regulation of muscle growth (chickens)
 R01AM-13238-06 Protein synthesis in muscle (chick embryos)
 R01AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
 ** R01AM-16466-01 Cell differentiation (chick embryo)
 P01AM-16716-01 0001 Pathophysiological bases of muscle diseases - Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters)
 R01AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
 R01CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)
 ** R01DE-02852-07 Development of the palate and lip (mice, rats, rabbits)
 P01GM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
 ** R01GM-18269-04 Studies in regeneration (lizards)
 ** R01GM-19079-03 0005 One MEV scanning transmission electron microscope - In situ analysis of organelle assembly
 ** R01GM-20373-01 Genetic control of myogenesis in Drosophila
 ** R01GM-20607-01 Genetic control of myogenesis in Drosophila
 ** R01HD-00047-10 Control of cell differentiation in culture (chick embryo)
 ** R01HD-00189-21 Mechanisms in differentiation of mesodermal tissues (chick embryo, newt)
 R01HD-00380-16 Analysis of chondrogenesis (ascidians, chick embryo, human)
 ** R01HD-01026-10 0002 Cytology of mammalian differentiation - Skeletal muscle (rats)
 ** R01HD-03316-06 Protein synthesis in muscle differentiation (chick embryo)
 ** R01HD-04669-04 Muscle differentiation in embryonic chick limb buds
 R01HD-06203-03 Biochemical changes in developing and aging muscles (rabbits, rats, chicken)
 ** R01HD-06392-03 Microenvironmental control of myogenesis (chick embryo)
 ** R01HD-06447-02 Regulation of development of skeletal muscle (chick embryo)
 ** R01HD-07083-02 Control of proliferation during muscle development (quail)
 ** R01HD-07090-02 Metabolic regulation of growth and development (pigs, chickens, rodents)
 ** R01HD-07138-02 Cortical steroid regulation of muscle development (chick embryo)
 P01HD-08658-01 0011 Developmental neurobiology in primates - Teratogenic effects of thalidomide on early limb development (nonhuman primates)
 R01HD-08679-01 Study of fetal myosin (mice)
 P01HL-04885-15 0016 Comparative cardiovascular studies - Mitotic cycle and cardiac myoblasts (chick embryo)
 ** P01HL-10436-09 0010 Congenital heart disease - Electron microscopy in early embryogenesis (chick embryo)
 R01HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
 ** P01HL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
 ** R01HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
 ** R01HL-15798-02 Determinants of fetal lamb cardiovascular development
 ** P01HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
 R01NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
 P01NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
 ** R01NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
 R01NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
 R01NS-10460-01 Neurophysiology of excitable cells in vitro
 ** R01NS-10665-02 Human skeletal muscle in tissue culture
 ** P01NS-10920-02 0001 Development and regeneration in the nervous system - Tropic effect of acetylcholine on developing muscle receptors (rat)
 ** R01NS-11165-01 Contractile mechanisms and myogenesis (rabbits, mice)
 ** R01NS-11648-01 Influence of neurons upon muscle spindle development (rats)
 ** P01NS-11766-01 0012 Clinical research center for neuromuscular disease - Regeneration of dystrophic muscle (human, mice, rabbits)
MUSCLES, SARCOLEMMMA
 R01AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
 R01AM-17081-01 CaO2 release from sarcoplasmic reticulum (frogs)
 R01AM-17325-02 The structure of glycoproteins (human, cattle, mollusks, annelids, rats, mice)
 R01FD-00097-07 Changes in muscle proteins caused by microbial growth (bacteria, swine, cattle)
 P11GM-15759-08 0039 Clinical pharmacology in rheumatic and muscular diseases - Types of skeletal muscle and their subcellular fractions (human, animals)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)
 R01HL-09234-10 Amino acids of contractile proteins of falling hearts (dogs, hamsters)
 R01HL-12147-07 0002 Histochemistry of early arteriosclerotic lesions - Fluorescent brightening agents
 R01HL-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
 R01HL-14117-03 Mechanism of heart failure (Syrian hamsters)
 R01HL-15829-01 Regulation of vascular smooth muscle contractility
 ** P01HL-16117-01 0005 Ion movements and membranes in cardiovascular control - Properties of isolated cell membranes (rabbits, cats)
 R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
 R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
 R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
 R01MH-16127-06 0010 Muscle enzyme release in the acute psychoses - Release of CPK from skeletal muscle by cold restraint (rats)
 R01NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
 R01NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
 R01NS-08533-06 Muscle-Fine structural basis of abnormal permeability (rats, mice)
 R01NS-09003-05 Structure, function, and assembly of nerve membranes (rats)
 R01NS-09569-02 Mod-myopathy-A new hereditary myopathy (mice)
 ** P01NS-10175-03 0022 Neuromuscular disease research center - Myotonia-isolation of sarcolemma and the sarcoplasmic reticulum (goats)
 ** R01NS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
 R01NS-10382-01 Hereditary defects of muscle membrane composition (goats and rats)
 ** R01NS-10633-01 Analysis of changes in muscles caused by denervation (rat, guinea pig, and rabbit)
 P01NS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)
 ** R01NS-11609-01 Muscle membranes and muscle disease (human)
 P01NS-11766-01 0001 Clinical research center for neuromuscular disease - Muscle membranes and muscle disease (human)
 P07RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)
- MUSCLES, SMOOTH MUSCLE**
 SEE ALSO MUSCLE CELLS, MYOEPIHELIAL CELLS
 SEE ALSO SLOW REACTING SUBSTANCES
 P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 ** R01AM-02809-16 Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid)
 ** R01AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
 ** R01AM-06958-11 Coordination of visceral smooth muscle activity (cats, rabbits)
 P01AM-08445-10 0016 Biology of skin of man and other primates - Ontogenic differentiation of skin
 R01AM-11242-08 Regulation of lower esophageal sphincter (opossum)
 R01AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
 ** R01AM-12768-06 Intestinal motility-Myogenicity neural control (cats, guinea pigs, rabbits)
 R01AM-13970-13 Wound repair and inflammation (human, rabbits, guinea pigs)
 R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
 R01AM-15963-09 Regulation in muscles (scallop, limulus, chicken, rabbits, mice)
 R01AM-16047-03 Urteral pathophysiology (dogs)
 R01AM-16280-02 Physiologic characteristics of the pyloric sphincter (human)
 P17AM-17026-01 0030 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic GMP
 P17AM-17026-01 0042 Vanderbilt University Diabetes-Endocrinology Center - Diabetes and biosynthesis of collagen
 ** R01AM-17238-01 Gastrics, neurotransmitters and antral smooth muscle (human, mammals)
 ** R01AM-17293-01 Laxative effects on dog intestinal motility
 R01AM-17632-01 Neurophysiological control of GI motility (guinea pigs, rats, rabbits)
 R01CA-06734-12 Mechanisms of solute transport in animal cells (rats)
 R01ES-00396-06 Tolerance to cholinesterase inhibitors (rats)
 ** P01GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
 P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
- ** P01GM-09069-12 0121 Research in anesthesiology - Anesthetics and smooth muscle function
 P01GM-13543-09 0009 Cellular and molecular pathology - Influence of hormones on wound healing in humans (rats)
 P01GM-13543-09 0014 Cellular and molecular pathology - Vascular repair (human, rats)
 ** R01GM-19627-01 Contractile mechanism of vertebrate smooth muscle (children)
 ** R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
 R01HD-00378-17 Bioelectric properties of uterine smooth muscle (rats, cats, frogs)
 R01HD-03752-05 0015 Mammalian reproduction - Hormonal influence of catecholamine-containing nerve fibers of the rabbit oviduc
 P01HD-04872-04 0008 Metabolism and aging - Atherosclerosis and lipoprotein disorders in adults
 ** R01HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
 P01HD-05796-03 0004 Aging in connective tissue, brain and auditory system - Connective tissue proteins (dogs, rats, chickens)
 ** R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
 R01HD-05948-01 Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human)
 R01HD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)
 R01HD-06074-01 Contraction of uterine and intestinal smooth muscle
 P01HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)
 ** R01HD-06645-03 0028 Center for population research - Uterus physiology, smooth muscle of male and female reproductive tract
 ** R01HD-06963-09 Properties of smooth muscle (rats)
 ** P01HD-07110-02 0019 Biomedical center for population research - Effects of pharmacologic agents on smooth muscle (human)
 ** P01HD-07110-02 0023 Biomedical center for population research - Smooth muscle (human, rats)
 ** R01HD-32774-03 Physiology of the oviduct (rabbits)
 R01HL-01646-24 Lungs in head injury-Regional brain blood flow and Po₂ (mammals)
 R01HL-01770-23 Fine structure of kidney, lung, and intestine (rats)
 ** R01HL-01803-20 0002 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins smooth muscle, muscle-fiber structure (human, rabbits, goats)
 ** R01HL-01803-20 0003 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins of muscle and muscle-fiber structures (human, rabbits, goats)
 P01HL-03174-19 0007 Mechanisms of acute vascular reaction to injury - Basement lamina-function in vascular tissue maintenance and repair (rabbits)
 R01HL-03290-17 Controls of cardiac and vascular smooth muscles
 R01HL-03693-15 Anaphylaxis in the isolated heart (rabbits, guinea pigs)
 R01HL-03756-17 Vascular changes in hypertension (swine)
 P01HL-04885-15 0016 Comparative cardiovascular studies - Mitotic cycle and cardiac myoblasts (chick embryo)
 ** P01HL-06285-14 0187 Cardiovascular-respiratory physiology and biochemistry - Regulation of airway smooth muscle (dogs)
 P01HL-06285-14 0188 Cardiovascular-respiratory physiology and biochemistry - Physiology and pharmacology in regulation of airways-hyperirritability (animals)
 ** P01HL-08195-12 0023 Circulatory physiology - Cyclic nucleotides in vascular tissues
 P01HL-08214-11 0021 Chemical and biological properties of lipids - Clinical studies of lipid function (human, rats)
 R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
 ** P01HL-08682-11 0005 Regulation of the cardiovascular system - Mechanical properties of blood vessels (dogs)
 P01HL-08682-11 0013 Regulation of the cardiovascular system - Local regulation of blood flow (animals)
 R01HL-09544-09 Biochemistry of contractile proteins (animals)
 P01HL-10098-10 0032 Primates in cardiovascular research - Blood substitute and tissue culture
 R01HL-10861-08 Microvascular research (bats, rabbits)
 R01HL-10933-09 Fat metabolism and experimental atherosclerosis (rabbits, rats)
 R01HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
 ** R01HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)
 ** R01HL-12462-05 Pharmacologic studies on vascular smooth muscle (dogs, rats)
 R01HL-12494-06 Continuum mechanics in biophysics (frogs, cats, rabbits)
 R01HL-12521-06 Mechanisms of arterial damage in hypertension (rabbits)
 R01HL-12557-06 Effects of steroids and pregnancy on arteries and veins (guinea pigs)
 R01HL-12792-05 Local control of the microcirculation (hamsters, rats)
- P01HL-13262-02 0012 Arterial wall in atherosclerosis - Characterization of connective tissue components (animals)
 R01HL-13908-04 Aortic function (dogs)
 P01HL-13979-04 0013 Cardio-pulmonary-renal program - Cytochemical and ultrastructural studies of intracellular phenomena (human)
 R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
 ** P17HL-14138-04 0005 Center for research on atherosclerosis - Metabolic ultrastructural correlations (pigs)
 P17HL-14177-04 0005 Center for prevention and treatment of atherosclerosis - DNA synthesis in arterial cells in high cholesterol-triglyceride diets (swine)
 P17HL-14177-04 0006 Center for prevention and treatment of atherosclerosis - Nucleic acid synthesis in hyperlipemia (swine)
 P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding
 ** P17HL-14217-04 0002 Specialized center of research in thrombosis - Biochemical studies of platelets and vascular smooth muscle (human)
 ** P17HL-14217-04 0015 Specialized center of research in thrombosis - Pharmacological studies on platelet and vascular smooth muscle
 ** P17HL-14217-04 0036 Specialized center of research in thrombosis - Vascular smooth muscle
 R01HL-14295-03 Experimental renal and neurogenic hypertension (human, dogs)
 P01HL-14322-03 0006 Interdisciplinary program in biomaterials science - Transport mechanisms in synthetic membranes and biologic tissues (frogs, toads)
 ** P01HL-14388-03 0004 Regulation of the circulation in pathological states - Sympathetic innervation to vascular smooth muscle in hypertension (animal)
 ** R01HL-14523-04 Generation and regulation of force in smooth muscle (animals)
 R01HL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
 R01HL-14547-06 Contractile proteins of muscle (cats, swine)
 R01HL-14548-16 Control of activity in cardiac and smooth muscle (frogs)
 ** R01HL-14681-01 Responsiveness of vascular smooth muscle (rats, rabbits)
 R01HL-14775-03 Mechanisms of drug action in vascular smooth muscle (dog, rabbits)
 P01HL-14780-02 0002 Mechanisms and treatment of cardiovascular diseases - Peripheral circulation in health and disease-Regional blood flow (human)
 P01HL-14780-02 0003 Mechanisms and treatment of cardiovascular diseases - Control of peripheral circulation-Function of venous systems (human)
 P01HL-14810-03 0002 Cornell thrombosis research center - Endothelial cell culture (human, rabbits)
 ** P01HL-14810-03 0009 Cornell thrombosis research center - Contractile proteins of cardiovascular smooth muscle and platelets (human)
 ** R01HL-14823-03 Arterial smooth muscle cell in atherosclerosis (pigtail monkeys)
 R01HL-14874-02 Spontaneous vascular tone during renal hypertension (rats)
 ** R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
 ** P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
 P17HL-15062-03 0012 Study of lipoproteins, artery wall, and atherosclerosis - The pathology of atherosclerosis (monkeys, rabbits)
 P17HL-15103-03 0012 Specialized center of research-arteriosclerosis - Cellular responses in atherosclerosis in tissue culture (monkeys)
 R01HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
 R01HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)
 R01HL-15697-02 Circulatory system effects of angiotensin analogs (rats)
 ** R01HL-15829-01 Regulation of vascular smooth muscle contractility
 P01HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
 ** P01HL-15835-01 0002 Pennsylvania Muscle Institute - Proteins from cardiac and vascular smooth muscle (rabbits, salamanders)
 P01HL-15835-01 0004 Pennsylvania Muscle Institute - Actomyosin systems and cell motility (slime molds, human)
 P01HL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
 P01HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
 P01HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
 P01HL-15835-01 0011 Pennsylvania Muscle Institute - Energetics and mechanism of muscle contraction (frogs, rabbits)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** P01HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
- P01HL-15835-01 0018 Pennsylvania Muscle Institute - Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs)
- ** P01HL-15835-01 0019 Pennsylvania Muscle Institute - Vascular smooth muscle-Electron microscopy, excitation coupling (rats, rabbits)
- P01HL-15835-01 0021 Pennsylvania Muscle Institute - Fast kinetic studies in muscle subcellular organelles (rodents, rabbits, frogs)
- ** P01HL-15835-01 0025 Pennsylvania Muscle Institute - Cellular biology of vascular smooth muscle (mammals)
- ** R01HL-16003-04 Sources and roles of calcium in smooth muscle excitation
- P01HL-16117-01 0001 Ion movements and membranes in cardiovascular control - Developmental studies of contractile cell junctions (rats, guinea pigs)
- P01HL-16117-01 0006 Ion movements and membranes in cardiovascular control - Neuroreceptors and cellular excitation (fish)
- ** P01HL-16117-01 0008 Ion movements and membranes in cardiovascular control - Arterial smooth muscle calcium fluxes and contractility (cattle, guinea pigs)
- ** R01HL-16179-01 Action of vascular and other smooth muscle inhibitors
- ** R01HL-16328-02 Membrane electrical properties of vascular muscle (human, animals)
- ** R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
- R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
- R01MH-26236-01 Interaction of alcohol, barbiturates and narcotics
- R01NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
- R01NS-05188-11 Ion movements and permeability of axon membranes (annelids, frogs, rats)
- P01NS-06663-08 0016 Cerebrovascular clinical research center - Humoral responses of rabbit arterial smooth muscle
- R01NS-06856-08 Storage disease-Intracellular transport and digestion (human, animals, plants)
- R01NS-07436-07 Neural control of gastrointestinal activity (rats, mice, rabbits)
- ** R01NS-07495-07 Comparative cytology of nerve and muscle tissues (animals)
- R01NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
- P01NS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
- R01NS-08300-06 Mechanisms of hypersensitivity to drugs (mammals)
- R01NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
- R01NS-11576-01 Development of sympathetic junctions in culture (rats)
- ** P07RR-00015-12 0085 Medical school computer facility - Force-velocity characteristics of smooth muscle (opossum)
- M01RR-00722-02 0012 General Clinical Research Center - Antimitochondrial antibodies in drug related hepatitis (human)
- M01RR-00722-02 0013 General Clinical Research Center - Antimitochondrial and smooth muscle antibodies in relatives of cirrhosis patient
- MUSCLES, STRIATED MUSCLE**
- ** R01AA-00316-01 Effects of alcohol on skeletal and cardiac muscle (human, primates)
- R01AA-00338-01 Effects of ethyl alcohol on striated muscle (human, rats)
- R01AJ-08732-05 Immunological studies of actin-filament proteins (rabbits, molds)
- R01AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)
- R01AM-03524-15 Role of vitamin B6 in metabolism (mice)
- R01AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
- P01AM-09001-10 0017 Biochemistry and immunology of blood diseases - Glycogen phosphorylase of platelets (human)
- P01AM-09001-10 0048 Biochemistry and immunology of blood diseases - Electrophysiology and sarcomers (annelids)
- ** R01AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
- ** R01AM-10948-05 Endocrine regulation of muscle growth (chickens)
- R01AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
- ** R01AM-13238-06 Protein synthesis in muscle (chick embryos)
- ** R01AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
- R01AM-14485-03 Work and muscle energetics (frogs)
- R01AM-14650-04 Immunological studies of myoglobin (human)
- R01AM-14776-03 Disassembly of the I-ZI bands of striated myofibrils (rabbits)
- ** R01AM-15272-03 Metabolism of perfused hind limb (rats)
- ** R01AM-15658-03 Regulation of skeletal metabolism (rats)
- R01AM-15807-02 Mathematical models of membrane processes (frogs, asclies)
- R01AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
- R01AM-15876-03 Myofibrillar lattice-Morphology and function (decapods)
- R01AM-15963-09 Regulation in muscles (scallop, limulus, chicken, rabbits, mice)
- ** R01AM-16102-01 0001 Regulation of luteal metabolism - Free fatty acids, acetoacetate and beta-hydroxybutyrate of muscle (rats, human)
- R01AM-16466-01 Cell differentiation (chick embryo)
- ** R01AM-16528-03 The activation mechanism of skeletal muscle (frogs)
- ** R01AM-16623-01 Metabolic adaptation of muscle and the need for creatine (rodents, chickens)
- R01AM-16654-02 0003 Nutrition and muscle protein turnover by new methods - Studies with human subjects
- ** P01AM-16716-01 0001 Pathophysiological bases of muscle diseases - Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters)
- ** P01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
- P01AM-16716-01 0009 Pathophysiological bases of muscle diseases - Tropic effects of neurons on skeletal muscle (rats)
- ** P01AM-16716-01 0012 Pathophysiological bases of muscle diseases - The active state of normal and dystrophic muscle (mice)
- ** P01AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
- ** P01AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)
- ** P01AM-16716-01 0020 Pathophysiological bases of muscle diseases - Muscles in normals, dystrophies, spontaneous hypertension (chicken, rodents, cat)
- P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- R01AM-16831-01 Physical exercise and lipoprotein lipase activity (rats)
- R01AM-16896-01 Decreased insulin sensitivity in diabetes and other disorders (human)
- R01AM-16922-02 Structure and function of sarcoplasmic reticulum (rabbits)
- R01AM-17083-01 Muscle water and electrolytes during dehydration (human)
- R01AM-17092-01 Influence of stress on gastric mucosal energy metabolism (rabbits, rats)
- R01AM-17357-01 Effect of exercise on adipose tissue cellularity (rats)
- P17AM-17624-01 0007 Obesity center - Role of ketone bodies in energy metabolism in lean and obese men
- R01AM-17666-01 Adaptations induced by exercise training (rats)
- R01AM-17793-04 Relation of potassium, metabolism, hormones in cell pH (rats)
- R01CA-06081-13 0009 Ultrastructural pathology - Re-investigation of muscle contraction (rabbits, fish)
- R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- ** P01DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
- R01DA-00684-01 Striatal mechanisms in morphine actions
- R01DE-02852-07 Development of the palate and lip (mice, rats, rabbits)
- R23DE-03486-03 Growing capillaries-Basal lamina and permeability (guinea pigs)
- R01GM-05428-16 Evaluation of saline solutions in therapy of shock (dogs, rats, primates)
- ** R01GM-07261-14 Enzymatic, chemical reaction adenosine triphosphate (rats, cattle)
- R01GM-09587-13 Enzyme structure and action on macromolecules (E coli, rabbits, lobsters)
- P01GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
- ** P11GM-15759-08 0039 Clinical pharmacology in rheumatic and muscular diseases - Types of skeletal muscle and their subcellular fractions (human, animals)
- P11GM-15759-08 0042 Clinical pharmacology in rheumatic and muscular diseases - Electrophysiological studies of human skeletal muscle and effects of drugs
- R01GM-19079-03 0006 One MEV scanning transmission electron microscopy - Formation and final configuration of intercellular junction in embryonic tissue
- ** R01GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)
- R01GM-20633-02 Cell membrane transport during shock (frogs, human, primates)
- R01GM-21725-01 Evaluation of saline solutions in therapy of shock (dogs, rats, primates)
- P01GM-21797-01 0001 The traumatized patient - Shock (human, baboons)
- R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
- R01HD-00143-15 Cytology of growing and differentiating cells (animals)
- ** R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- P01HD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)
- R01HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
- ** R01HD-06203-03 Biochemical changes in developing and aging muscles (rabbits, rats, chicken)
- R01HD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
- R01HD-06447-02 Regulation of development of skeletal muscle (chick embryo)
- R01HD-07003-02 Control of proliferation during muscle development (quail)
- R01HD-07796-02 Control of myosin synthesis during muscle differentiation (rats, quail)
- R01HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
- ** R01HD-08641-01 Aging and metabolism in skeletal muscle (rats)
- ** R01HL-00062-25 Clinical and experimental research in respiration (barnacle, rats)
- R01HL-02953-17 Autonomic and cardiovascular pharmacology (rats, rabbits, dogs, guinea pigs)
- R01HL-04881-15 Gas exchange during anesthesia and thoracic surgery (human, dogs)
- P01HL-06285-14 0173 Cardiovascular-respiratory physiology and biochemistry - Skeletal and cardiac muscle function
- P01HL-06285-14 0174 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and tropoin in muscle-Myoisn light chains
- ** P01HL-06285-14 0202 Cardiovascular-respiratory physiology and biochemistry - Electrophysiology of skeletal and cardiac muscle in thyroid disorders (rats)
- R01HL-07723-11 Cardiac function and venous pressure control in sheek (dogs)
- R01HL-08068-12 Hypotension from polymers and hypertonic solutions (dogs)
- ** P01HL-08682-11 0013 Regulation of the cardiovascular system - Local regulation of blood flow (animals)
- P01HL-08805-10 0031 Cardiovascular and pulmonary performance - Impairment of oxygen delivery on aerobic metabolism of brain and skeletal muscle
- ** P01HL-08886-11 0060 Radiology-physiology cardiovascular research - Exercise and high altitude acclimatization on muscle performance (rats)
- R01HL-09544-09 Biochemistry of contractile proteins (animals)
- R01HL-10099-09 Energy metabolism in blood platelets (rats)
- R01HL-10331-09 Carbon monoxide production and body CO stores (human, dogs)
- R01HL-10384-08 Blood flow and nucleotide metabolism in the heart (dogs, rabbits)
- R01HL-10861-08 Microvascular research (rats, rabbits)
- R01HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
- R01HL-11153-08 Blood flow in small tubes and the microcirculation (cats)
- R01HL-11551-07 RNA and protein synthesis in repair of heart injury (mice)
- P01HL-11662-07 0004 Regulation of fluid, electrolyte and acid-base balance - Measurement of intracellular pH (rats, barnacles, frogs, dogs)
- ** R01HL-12186-06 Drugs and mechanical properties of striated muscle
- R01HL-12231-06 Intracellular response to acid-base changes (dogs, rats)
- P01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- R01HL-12556-06 Comparative cardiovascular physiology (animals)
- ** R01HL-12703-05 Vascular control mechanisms in skeletal muscle (dogs, cats)
- ** P01HL-12738-06 0061 Physiologic pharmacology and its clinical applications - Left ventricular analogues powered by skeletal muscle (dogs)
- R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- R01HL-12978-05 Sarcoplasmic reticulum ultrastructure and function (rabbits, chickens, lobsters)
- R01HL-13317-04 Cellular mechanisms in cardiac hypertrophy (rabbits, calves)
- P01HL-13480-04 0010 Cardiac electrophysiology - Measurement of intracellular electrolytes (cats, barnacles, aphasia)
- ** R01HL-13872-16 0002 Body composition and metabolic care in surgery - Muscle surface cationic electrometry (human)
- R01HL-14102-03 Physiology at 17,500 feet in mountain environment (human, rats)
- P17HL-14230-04 0045 Lipids, atherosclerosis and thrombosis - Cholesterol in adipose tissue and skeletal muscle (human)
- R01HL-14516-03 Dynamics of metabolic control of muscle blood flow (dogs)
- R01HL-14541-03 Significance of peripheral vascular volume change (dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** RO1HL-14547-06 Contractile proteins of muscle (cats, swine)
 RO1HL-14563-03 Efferent nerve impulse traffic in hemorrhagic shock (dogs)
 PO1HL-14780-02 0002 Mechanisms and treatment of cardiovascular diseases - Peripheral circulation in health and disease-Regional blood flow (human)
 ** RO1HL-14806-15 Regulation of oxygen use by mammalian skeletal muscle (dogs)
 RO1HL-14938-02 Contractile proteins of heart muscle (dogs, rabbits, chickens)
 RO1HL-15048-02 Contractile system of human blood platelets (and rabbits)
 RO1HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
 RO1HL-15390-08 Regulation of blood flow in the microcirculation
 RO1HL-15391-02 Nucleotide induced changes of conformation in myosin
 ** RO1HL-15462-02 Z-discs from heart and skeletal muscle (human, animal)
 ** RO1HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
 RO1HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)
 PO1HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
 PO1HL-15835-01 0006 Pennsylvania Muscle Institute - Ultrastructural and chemical studies of muscle (rabbits, goats, chickens)
 ** PO1HL-15835-01 0007 Pennsylvania Muscle Institute - Structure and function of Limulus striated and cardiac muscle
 ** PO1HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
 ** PO1HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
 PO1HL-15835-01 0011 Pennsylvania Muscle Institute - Energetics and mechanism of muscle contraction (frogs, rabbits)
 ** PO1HL-15835-01 0018 Pennsylvania Muscle Institute - Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs)
 PO1HL-15835-01 0021 Pennsylvania Muscle Institute - Fast kinetic studies in muscle subcellular organelles (rodents, rabbits, frogs)
 PO1HL-15835-01 0023 Pennsylvania Muscle Institute - Cellular basis of the Frank-Starling curve (frogs)
 ** RO1HL-16010-12 Cellular basis of cardiac contractility (frogs)
 RO1HL-16363-01 Hypolipemic drug study-Ultrastructure and chemistry
 RO1HL-16596-01 Structure and function of cardiac myosin (dogs, human)
 RO1HL-16606-07 Force, velocity and sarcomere length in muscle (frogs)
 ** PO1HL-16683-01 Function and growth of cardiac and skeletal muscle (mammals)
 RO1HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
 ** RO1MH-16127-06 0010 Muscle enzyme release in the acute psychoses - Release of CPK from skeletal muscle by cold restraint (rats)
 RO1MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
 PO1NS-03354-13 0003 Neurosensory center - Neurophysiology (rats)
 RO1NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
 ** PO1NS-04513-11 0002 Coordinated basic and clinical brain research program - Neurophysiological studies of striated muscle innervation, (cats)
 ** PO1NS-04513-11 0010 Coordinated basic and clinical brain research program - Muscle biopsy studies (human, rabbits)
 ** PO1NS-04553-10 0006 Neuropharmacology and neurochemistry program research - Biochemical pharmacology of CNS muscle and other tissues (animals)
 RO1NS-06232-09 Formation and function of synapses (animals)
 ** RO1NS-06782-07 Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats)
 ** PO1NS-07464-07 0021 Laboratory of neurobiology - Membrane sealing in skeletal muscle fibers (frogs)
 ** RO1NS-07474-07 Electrical and contractile properties of muscle (squid)
 ** RO1NS-07495-07 Comparative cytology of nerve and muscle tissues (animals)
 PO1NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
 RO1NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
 RO1NS-07626-13 Tracer fluxes and net fluxes across cell membranes (squid)
 RO1NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
 ** RO1NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
 PO1NS-07938-06 0009 Peripheral and central nerves system - Intracellular activities of ions (barnacles, frogs, aplysia and mammals)
 ** RO1NS-08045-04 Cytochemical studies of skeletal muscle mitochondria (human, rodents)
 RO1NS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
 ** RO1NS-08281-04 Correlation of structure and function in muscle (squid, shrimp)
 ** RO1NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
 ** RO1NS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)
 RO1NS-08533-06 Muscle-Fine structural basis of abnormal permeability (rats, mice)
 RO1NS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
 RO1NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
 RO1NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
 PO1NS-10175-03 0007 Neuromuscular disease research center - Muscle fiber typing-Dorsal rhizotomy (cats)
 PO1NS-10175-03 0008 Neuromuscular disease research center - Muscle fiber typing-Carotid lesions (cats)
 ** PO1NS-10175-03 0010 Neuromuscular disease research center - Cholinesterase inhibitor on membrane calcium transport in rat and skeletal muscle
 ** PO1NS-10175-03 0015 Neuromuscular disease research center - Neostigmine on acetylcholinesterase in skeletal muscle (rats)
 ** RO1NS-10207-03 Neuromuscular synapse in cell culture (frogs, rats)
 ** RO1NS-10327-03 Stimulus-response coupling in contractile cells (frogs, crabs, protozoa)
 ** RO1NS-10349-03 Neurotrophic influence on muscle (rabbits)
 ** RO1NS-10382-01 Hereditary defects of muscle membrane composition (goats and rats)
 RO1NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
 ** RO1NS-10423-01 Significance of muscle fiber types (guinea pigs, cats, bushbaby)
 ** RO1NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
 ** RO1NS-10457-03 Ultrastructure and function of nerve and muscle (crayfish)
 RO1NS-10460-01 Neurophysiology of excitable cells in vitro
 RO1NS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
 RO1NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
 ** RO1NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
 ** RO1NS-10665-02 Human skeletal muscle in tissue culture
 RO1NS-10716-01 Muscular dystrophy-Alterations mediated by exercise (hamsters)
 RO1NS-10919-02 Calcium movements during E-c coupling in muscle (barnacles)
 ** PO1NS-10981-02 0001 Control of activity in excitable tissues - Studies on internal muscle fiber membranes (spiders, frog, fish)
 PO1NS-10981-02 0008 Control of activity in excitable tissues - Radial spread of activation in single muscle fibers (frogs)
 PO1NS-10981-02 0010 Control of activity in excitable tissues - Extracellular volume and myoplasmic Ca ion concentration during activity (leeds)
 PO1NS-10981-02 0011 Control of activity in excitable tissues - Metabolic pathways in resting frog sartorius muscles
 PO1NS-10981-02 0012 Control of activity in excitable tissues - Extrinsic fluorescence in sartorius muscles (frogs)
 ** PO1NS-10981-02 0013 Control of activity in excitable tissues - Activation of contraction in single short muscle fibers (frogs)
 ** PO1NS-10981-02 0014 Control of activity in excitable tissues - Sodium influx in sartorius muscles at rest and during activity
 ** PO1NS-10981-02 0015 Control of activity in excitable tissues - Effect of catecholamine and related agents on Na-ion transport in muscle (frogs)
 ** PO1NS-10981-02 0016 Control of activity in excitable tissues - Morphology of glycerol treated muscle fibers (frogs)
 ** RO1NS-11190-01 Histochemical studies of neural influences (rabbits)
 RO1NS-11252-01 Function of a brain calcium-binding protein (rats, mice)
 RO1NS-11431-01 Fine structure of synapses and their modification (animals)
 ** PO1NS-11766-01 0001 Clinical research center for neuromuscular disease - Muscle membranes and muscle disease (human)
 ** PO1NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
 RO1NS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
 RO1NS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
 ** RO1NS-12038-01 Excitation contraction coupling in skeletal muscle (mytilus)
 RO1NS-12063-01 Muscle reinnervation and neurotrophic influence (rats, chickens)
 NO1NS-22314-02 Intramuscular stimulation of paralyzed muscle (human)
 PO7RR-08007-11 0303 Computer processing in biomedical systems - Model permitting substrate inhibition
 ** PO7RR-00015-12 0034 Medical school computer facility - Computation of propagated action potentials
 MO1RR-00064-10 0039 General clinical research center - Evaluation of skeletal muscle in muscular dystrophy (human)
 ** MO1RR-00533-06 0028 General clinical research center, adult - Electrolyte metabolism in forearm muscle (human)
 ** MO1RR-00533-06 0037 General clinical research center, adult - Aldosterone on skeletal muscle potassium metabolism (human)
- MUSCULAR ATROPHY, FAMILIAL PROGRESSIVE SPINAL**
 SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, SPINAL MUSCULAR ATROPHY PROGRESSIVE
MUSCULAR ATROPHY (PERONEAL)
 SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY, PERONEAL MUSCULAR ATROPHY
MUSCULAR ATROPHY PROGRESSIVE (MOTOR SYSTEM DISEASE DEGENERATIVE)
 SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, MOTOR SYSTEM DISEASE DEGENERATIVE
MUSCULAR ATROPHY PROGRESSIVE NEURAL, HEREDITARY
 SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY
MUSCULAR DISORDERS
 SEE ALSO CONGENITAL ABNORMALITIES, NEUROMOTOR, AMYOTONIA CONGENITA
 SEE ALSO HEART DISORDERS, MYOCARDITIS
 SEE ALSO METABOLIC DISORDERS INBORN, FAMILIAL PERIODIC PARALYSIS
 SEE ALSO METABOLIC DISORDERS INBORN, MUSCULAR DYSTROPHY
 SEE ALSO METABOLIC DISORDERS INBORN, MYOTONIA CONGENITA
 SEE ALSO MUSCLE FUNCTION, MUSCLE TONE, HYPERMYOTONIA
 SEE ALSO MUSCLE FUNCTION, MUSCLE TONE, HYPOMYOTONIA
 SEE ALSO NEUROMOTOR DISORDERS
 SEE ALSO NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)
 SEE ALSO SKELETAL DISORDERS, CONTRACTURE, DUPUYTREN'S
 RO1AA-00316-01 Effects of alcohol on skeletal and cardiac muscle (human, primates)
 ** RO1AA-00338-01 Effects of ethyl alcohol on striated muscle (human, rats)
 M PO1AM-00002-28 Metabolic and hereditary disorders
 RO1AM-14650-04 Immunological studies of myoglobin (human)
 ** RO1AM-14728-03 Structure-function studies on actin and myosin (rabbits, cattle)
 RO1AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
 RO1AM-16530-03 Chemical pathology of amine acid deficiencies (rats)
 RO1AM-16623-01 Metabolic adaptation of muscle and the need for creatine (rodents, chickens)
 M PO1AM-16716-01 Pathophysiological bases of muscle diseases
 ** PO1AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
 ** PO1AM-16716-01 0010 Pathophysiological bases of muscle diseases - AChE, membrane enzymes and trophic effects of nerves (chickens, mammals, human)
 PO1AM-16716-01 0014 Pathophysiological bases of muscle diseases - Potential contribution of motor neuron lesions to M.S. (chickens, human)
 ** PO1AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
 PO1AM-16716-01 0018 Pathophysiological bases of muscle diseases - Contractile proteins in slow and fast twitch muscle (fish, chickens, mice)
 PO1AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
 RO1DE-02852-07 Development of the palate and lip (mice, rats, rabbits)
 RO1DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)
 M PI1GM-15759-08 Clinical pharmacology in rheumatic and muscular diseases
 ** PI1GM-15759-08 0039 Clinical pharmacology in rheumatic and muscular diseases - Types of skeletal muscle and their subcellular fractions (human, animals)
 PI1GM-15759-08 0040 Clinical pharmacology in rheumatic and muscular diseases - Adaptation of muscle to exercise (human, mammals)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** P11GM-15759-08 0042 Clinical pharmacology in rheumatic and muscular diseases - Electrophysiological studies of human skeletal muscle and effects of drugs
- ** P01HD-05894-04 0011 Genetic childhood diseases and aging - Immunoenzymology of acetylcholinesterase (catfish, human)
- P01HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
- P17HL-14192-04 0002 Specialized center of research in hypertension - Renal artery stenosis in atherosclerosis and fibromuscular dysplasia (human)
- R01HL-15462-02 Z-discs from heart and skeletal muscle (human, animal)
- ** P01HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
- ** R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- ** R01NS-06277-09 Electron microscopy of myopathies (human, rats)
- ** R01NS-06782-07 Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats)
- ** R01NS-07413-07 Metabolic relationships of selenium in myopathies (sheep)
- ** R01NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
- ** R01NS-08045-04 Cytochemical studies of skeletal muscle mitochondria (human, rodents)
- R01NS-08533-06 Muscle-Fine structural basis of abnormal permeability (rats, mice)
- R01NS-09960-03 Biophysics of muscular exercise (human)
- R01NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
- ** R01NS-10175-03 0012 Neuromuscular disease research center - Myopathy secondary to excessive acetylcholine release (rats)
- ** R01NS-10175-03 0013 Neuromuscular disease research center - Histology of paraquat-induced myopathy (rats)
- ** R01NS-10175-03 0017 Neuromuscular disease research center - Study of Isaac's syndrome (human)
- R01NS-10175-03 0019 Neuromuscular disease research center - Effect of imidazole on normal muscle (rats)
- ** R01NS-10175-03 0020 Neuromuscular disease research center - Catecholamines-pargyline myopathy in rat
- ** R01NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
- ** R01NS-10665-02 Human skeletal muscle in tissue culture
- M01RR-00031-14 0061 General clinical research center - McArdle's disease with unusual enzyme abnormalities (human)
- M01RR-00032-14 0067 General clinical research center - Action and metabolism of thyroid hormones (human)
- ** M01RR-00055-13 0044 General clinical research center - Therapy of cardiac and skeletal myopathies (human)
- ** M01RR-00056-13 0028 General Clinical Research Center - Normal and diseased human muscle
- ** M01RR-00071-11 0059 General clinical research center - Pathogenesis and treatment of alcohol induced diseases (human)
- M01RR-00123-11 0037 General clinical research center - Children - Hematologic disorders
- ** M01RR-00585-03 0025 General clinical research center - Lipid storage myopathy (human)
- ** M01RR-00865-01 0005 General clinical research center - Congenital nonprogressive myopathies (human)
- ** S01RR-05579-10 General research support (muscular disorders)

MUSCULAR DISORDERS, MUSCLE NECROSIS

SEE ALSO HEART DISORDERS, CORONARY, MYOCARDIAL INFARCT

- P01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- R01FD-00014-07 Neutralizing snake venom toxicity by chemical agents (mice)
- R01GM-15591-07 Hemorrhagic and necrotic toxins in snake venoms (mice)
- R01GM-19172-03 See snake venoms and toxins (mice)
- R01NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)

MUSCULAR DISORDERS, MYOSITIS

- P11GM-15759-08 0036 Clinical pharmacology in rheumatic and muscular diseases - Cytosin production and its inhibition by drugs (human, rats)
- ** M01RR-00042-14 0049 General clinical research center - Myositis ossificans progressiva and other ectopic calcification disorders (human)
- ** M01RR-00865-01 0001 General clinical research center - Possible pathogenetic mechanisms of muscle inflammatory diseases (human)
- M01RR-00865-01 0006 General clinical research center - Evaluation of viral theory of inflammatory myopathies (human)

MUSCULAR DISORDERS, MYOSITIS, DERMATOMYOSITIS

SEE ALSO CONNECTIVE TISSUE DISORDERS, SCLERODERMA

- P01AM-12225-01 0003 Immunopathology and clinical immunology - Clinical significance of antibodies to nuclear antigens (human)
- P02AM-04501-13 0021 Metabolic disease research center - Calcification studies (human)
- ** P01AM-09989-09 0001 Immunological and other aspects of rheumatic diseases - Cytoblasts in dermatomyositis and polymyositis (human)
- R01AM-16030-01 EBV and other viruses in connective tissue diseases
- ** P11GM-15759-08 0022 Clinical pharmacology in rheumatic and muscular diseases - Methotrexate in corticosteroid resistant polymyositis and dermatomyositis
- M01RR-00036-14 0103 General clinical research center - Treatment of ectopic calcification with diphosphonate (human)
- M01RR-00056-13 0048 General Clinical Research Center - Sclerosis (scleroderma) and other systemic disorders of connective tissue (human)
- ** M01RR-00060-13 0056 General clinical research center - Dermatomyositis with severe calcinosis universalis (human)
- ** M01RR-00128-10 0036 General clinical research center for children - Immunosuppressive therapy in collagen diseases
- ** M01RR-00199-10 0062 General clinical research center for children - Dermatomyositis
- ** M01RR-00334-08 0037 General clinical research center - Dermatomyositis (human)
- M01RR-00865-01 0001 General clinical research center - Possible pathogenetic mechanisms of muscle inflammatory diseases (human)
- ** M01RR-00865-01 0006 General clinical research center - Evaluation of viral theory of inflammatory myopathies (human)

MUSCULAR DISORDERS, MYOSITIS, POLYMYOSITIS

- ** P01AM-09989-09 0001 Immunological and other aspects of rheumatic diseases - Cytoblasts in dermatomyositis and polymyositis (human)
- ** P01AM-16716-01 0021 Pathophysiological bases of muscle diseases - Role of immune complexes and cell mediated immunity in polymyositis (human)
- ** P01AM-16716-01 0022 Pathophysiological bases of muscle diseases - Immune response in polymyositis and muscular dystrophy (mice, guinea pig, human)
- P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
- ** P11GM-15759-08 0022 Clinical pharmacology in rheumatic and muscular diseases - Methotrexate in corticosteroid resistant polymyositis and dermatomyositis
- R01NS-10969-01 Electron microscopy of human muscle spindles
- ** R01NS-11766-01 0004 Clinical research center for neuromuscular disease - Possible viral etiology of polymyositis (human, mice)
- M01RR-00043-14 0048 General clinical research center - Neuromuscular disease (human)
- M01RR-00047-14 0104 General clinical research center - Mild neuromuscular disorders in children and families
- M01RR-00056-13 0048 General Clinical Research Center - Sclerosis (scleroderma) and other systemic disorders of connective tissue (human)
- M01RR-00071-11 0024 General clinical research center - Pathological anatomy and physiology of neuromuscular junction (human)
- M01RR-00287-08 0060 General clinical research center - Mixed connective tissue disease (human)
- ** M01RR-00722-02 0004 General Clinical Research Center - Immunosuppressive therapy in connective tissue disease (human)
- M01RR-00865-01 0001 General clinical research center - Possible pathogenetic mechanisms of muscle inflammatory diseases (human)
- ** M01RR-00865-01 0006 General clinical research center - Evaluation of viral theory of inflammatory myopathies (human)

MUSCULAR DISORDERS, MYOSITIS OSSIFICANS PROGRESSIVA

- ** M01RR-00030-13 0116 General clinical research center - Effect of sodium etidronate in diseases of ectopic calcification (human)
- ** M01RR-00036-14 0081 General clinical research center - Polyphosphonate therapy of myositis ossificans progressiva (human)
- M01RR-00096-14 0054 Clinical research center - Therapy of Paget's disease of bone (human)
- ** M01RR-00109-11 0011 General clinical research center - Collagen metabolism in Ehlers-Danlos syndrome (human)

MUSCULAR DYSTROPHY
SEE METABOLIC DISORDERS INBORN, MUSCULAR DYSTROPHY**MUSCULOSKELETAL SYSTEM (GENERAL)**
SEE SKELETAL SYSTEM (GENERAL)**MUSIC**
SEE ARTS, MUSIC**MUSSEL POISON**
SEE TOXICOLOGY, PROTOZOAL TOXINS, SAXITOXIN**MUSTARDS, NITROGEN**
SEE HALOALKYLAMINES, NITROGEN MUSTARDS**MUSTARDS, PHOSPHORUS**
SEE PHOSPHORUS MUSTARDS**MUSTARDS, SULFUR**
SEE SULFUR MUSTARDS**MUTAGENS**
SEE GENETICS, MUTAGENS**MUTANTS**
SEE GENETICS, MUTATION, MUTANTS***MUTAROTASE**
SEE ISOMERASES, MUTAROTASE**MUTATION**
SEE GENETICS, MUTATION**MUTATION, RADIATION INDUCED**
SEE GENETICS, RADIATION GENETICS**MVM VIRUS**
SEE VIRUSES, PICORNAVIRUSES, MINUTE VIRUS OF MICE**MYAMBUTOL**
SEE AMINES, ETHYLENEDIAMINES, ETHAMBUTOL**MYASTHENIA GRAVIS**
SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, MYASTHENIA GRAVIS**MYCELIANAMIDE**
SEE ANTIBIOTICS, MYCELIANAMIDE**MYCELIUM**
SEE FUNGUS COMPONENTS, MYCELIUM**MYCETOZOA**
SEE FUNGI, SLIME MOLDS***MYCORACTERIA ATYPICAL**
SEE ACTINOMYCETALES, MYCOBACTERIA ATYPICAL***MYCOBACTERIUM**
SEE ACTINOMYCETALES, MYCOBACTERIUM***MYCOBACTERIUM AVIUM**
SEE ACTINOMYCETALES, MYCOBACTERIUM AVIUM***MYCORACTERIUM BOVIS, BCG STRAIN**
SEE ACTINOMYCETALES, BACILLUS CALMETTE-GUERIN***MYCORACTERIUM LEPRAE**
SEE ACTINOMYCETALES, MYCOBACTERIUM LEPRAE***MYCOBACTERIUM LEPRAE MURIUM**
SEE ACTINOMYCETALES, MYCOBACTERIUM LEPRAE MURIUM***MYCOBACTERIUM TUBERCULOSIS**
SEE ACTINOMYCETALES, MYCOBACTERIUM TUBERCULOSIS***MYCOLIC ACID**
SEE FATTY ACIDS, MYCOLIC ACID**MYCOPHENOLIC ACID**
SEE ANTIBIOTICS, MYCOPHENOLIC ACID**MYCOPLASMA**
SEE BACTERIA, MYCOPLASMATALES, MYCOPLASMA***MYCOPLASMA PNEUMONIAE**
SEE BACTERIA, MYCOPLASMATALES, MYCOPLASMA PNEUMONIAE***MYCOPLASMA PNEUMONIA**
SEE RESPIRATORY DISORDERS, PNEUMONIA MYCOPLASMAL (PPL)**MYCOPLASMATALES**
SEE BACTERIA, MYCOPLASMATALES***MYCOSES (GENERAL)**
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIFUNGAL

- R01AI-08651-06 Sex factors in susceptibility to infectious diseases (mice)
- ** R01AI-10547-03 Resistance to opportunistic fungal infections (human)
- R22AM-16206-02 Malnutrition, infection, and human leukocyte metabolism
- ** P02CA-08480-09 0015 Childhood cancer research center - Ecology of microbial flora in leukemia patients
- R01ES-00650-02 Biochemistry of insect cuticle
- R01FD-00685-01 Furanoterpenoids in sweet potato-ethylene mediation
- P01HD-05894-04 0007 Genetic childhood diseases and aging - Nature and clinical use of transfer factor (human)
- R01HL-11688-07 Vascular factors in hemodynamic regulation (human)
- M01RR-00034-14 0066 General clinical research center - Modification of cellular immunity in neoplasia (human)
- ** M01RR-00065-12 0026 General clinical research center - Systemic mycoses (human)
- M01RR-00128-10 0037 General clinical research center for children - Metabolic studies of 1125 and 1131 labeled proteins

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** S06RR-08074-03 Hampton Institute biomedical support program

MYCOSES, ASPERGILLOSIS

SEE ALSO FUNGI, ASCOMYCETES, ASPERGILLUS*

- ** P15AI-11403-02 0003 Allergic diseases center grant - Radioimmunoassay in diagnosis of hypersensitivity lung disease (human)
- ** R01ES-00585-04 Carcinogenic implications of aspergillotoxicosis (rats)
- P17HL-14212-04 0005 Correlated studies of pulmonary disease - Immunology and microbiology of diffuse idiopathic fibrosis (human)
- ** R01OH-00398-01 Pathogenesis of allergic pulmonary aspergillosis (human, monkeys, rodents)
- M01RR-00080-12 0091 General clinical research center - Immunological test for immediate allergen hypersensitivity (human)
- ** M01RR-00109-11 0043 General clinical research center - Aerosol antigen challenge in allergic bronchopulmonary aspergillosis

MYCOSES, BLASTOMYCOSIS

- ** R07AI-10050-14 0003 International center for medical research - Infectious diseases and epidemiology (bacteria, fungi, human)
- ** R01AI-11610-01 Isolation of a skin test antigen for blastomycosis (guinea pigs)

MYCOSES, COCCIDIOIDOMYCOSIS

- SEE ALSO FUNGI, PHYCOMYCETES, COCCIDIOIDES IMMITIS*
- R01AI-10686-02 Transfer factor therapy (human, rabbits, guinea pigs)
- ** R01AI-12158-01 Lymphocytes in immunity to coccidioidomycosis (mice)
- P01HD-05894-04 0007 Genetic childhood diseases and aging - Nature and clinical use of transfer factor (human)
- ** R23HL-17144-01 Transfer factor effect on course of coccidioidomycosis (human)

MYCOSES, CRYPTOCOCCOSIS

- SEE ALSO FUNGI, YEASTS, CRYPTOCOCCUS*
- R01AI-10600-03 Human phagocyte function in health and disease (else animal)

MYCOSES, DERMATOMYCOSES

- SEE ALSO FUNGI, DERMATOPHYTES*
- SEE ALSO MYCOSES, TINEA
- ** R07AI-10050-14 0003 International center for medical research - Infectious diseases and epidemiology (bacteria, fungi, human)
- P15AI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)

MYCOSES, HISTOPLASMOSIS

- SEE ALSO FUNGI, YEASTS, HISTOPLASMA*
- R01AM-11685-07 Biologically oriented organic sulfur chemistry
- R01EY-00318-06 Lasers in ophthalmic diseases (human, monkeys)
- ** P15EY-00338-09 0004 A study of macular disease - Follow-up study of patients with the presumed ocular histoplasmosis syndrome
- P17HL-14212-04 0005 Correlated studies of pulmonary disease - Immunology and microbiology of diffuse idiopathic fibrosis (human)
- ** R01HL-16327-01 Immunologic mechanism of pulmonary cavitation (rhesus monkeys)

MYCOSES, MONILIASIS

- SEE ALSO FUNGI, YEASTS, CANDIDA*
- R01AI-06931-09 Host reactions to microorganisms in chronic disease (human)
- P15AI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
- R01AI-10686-02 Transfer factor therapy (human, rabbits, guinea pigs)
- R22AI-10921-03 Macrophage activation and cellular immunity
- ** P01DE-01770-12 0004 Oral pathology - Candida albicans infections (human)
- ** P01GM-19443-03 0035 Problems in clinical genetics - Cell-mediated immune defects in chronic mucocutaneous candidiasis (human)
- P01HD-00668-16 0009 Aging and the aged - Immunologic studies of older humans
- ** M01RR-00032-14 0015 General clinical research center - Pathogenesis of human candidiasis
- ** M01RR-00036-14 0141 General clinical research center - Treatment of systemic fungal infection (human)
- ** M01RR-00036-14 0190 General clinical research center - Smad dose IV amphotericin B for candida infection (human)
- ** M01RR-00044-14 0076 General clinical research center - Abnormal host-defense relationship in family susceptible to moniliasis
- ** M01RR-00046-14 0028 General clinical research center - Immunologic status of disseminated cutaneous candidiasis (human)
- ** M01RR-00062-12 0052 Clinical research center, children - Evaluation of dialyzable transfer factor in mucocutaneous candidiasis

- M01RR-00071-11 0055 General clinical research center - Therapeutic transfer factor in cell-mediated immune deficiency diseases (human)
- ** M01RR-00075-11 0034 General clinical research center for children - Candidiasis-Endocrinopathy syndrome
- ** M01RR-00084-12 0028 General clinical research center-children - Therapeutic approaches to candidiasis
- ** M01RR-00284-08 0035 General clinical research center-pediatric - Treatment of mucocutaneous moniliasis
- ** M01RR-00628-04 0062 General clinical research center for children - Thymic transplant in mucocutaneous candidiasis

MYCOSES, TINEA

- P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)

MYCOSIS FUNGOIDES

SEE BLOOD AND RE NEOPLASMS, LYMPHOMA, MYCOSIS FUNGOIDES

MYCOTICIN

SEE ANTIBIOTICS, MYCOTICIN

MYCOTOXINS

SEE TOXICOLOGY, MYCOTOXINS

MYDRIATICS AND CYCLOPLEGICS

SEE EYEDROPS AND MEDICATIONS, MYDRIATICS AND CYCLOPLEGICS

MYELIN

SEE NERVOUS SYSTEM, MYELIN

MYELIN DEGENERATION

SEE NERVOUS DISORDERS, DEMYELINATION

MYELINATION

SEE NERVOUS SYSTEM, MYELINATION

MYELITIS

SEE NERVOUS DISORDERS CENTRAL, MYELITIS

MYELOBLASTOSIS VIRUS AVIAN

SEE VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

MYELOBLASTS

SEE BLOOD CELLS, MYELOBLASTS

MYELOCYTES

SEE BLOOD CELLS, MYELOCYTES

MYELOCYTIC, MYELOGENOUS, MYELOID

SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MYELOID

MYELOFIBROSIS

SEE BLOOD AND RE DISORDERS, BONE MARROW, MYELOPROLIFERATIVE, MYELOFIBROSIS

MYELOGRAPHY

SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD VISUALIZATION, MYELOGRAPHY*

MYELOMA GLOBULINS

SEE GLOBULINS, MYELOMA GLOBULINS

MYELOPEROXIDASE

SEE PEROXIDASES, MYELOPEROXIDASE

MYELOPROLIFERATIVE DISORDERS (BONE MARROW)

SEE BLOOD AND RE DISORDERS, BONE MARROW, MYELOPROLIFERATIVE

MYELOSIS BONE MARROW

SEE BLOOD AND RE DISORDERS, BONE MARROW, MYELOPROLIFERATIVE

MYLERAN

SEE SULFONATES, BUSULFAN

MYOBLASTS

SEE MUSCLE CELLS, MYOBLASTS

MYOCARDIAL AUGMENTATION, BALLOON PUMPING AORTIC

SEE HEART PROSTHESIS, AUXILIARY, AORTIC BALLOON PUMPING

MYOCARDIAL DEPRESSANTS

SEE CARDIOVASCULAR AGENTS, ANTIARRHYTHMIC AGENTS

MYOCARDIAL DISORDERS

SEE HEART DISORDERS, MYOCARDIAL DISORDERS

MYOCARDIAL INFARCT

SEE HEART DISORDERS, CORONARY, MYOCARDIAL INFARCT

MYOCARDIAL ISCHEMIA AND HYPOXIA

SEE HEART DISORDERS, CORONARY, MYOCARDIAL ISCHEMIA AND HYPOXIA

MYOCARDIAL REVASCULARIZATION

SEE HEART REVASCULARIZATION

MYOCARDITIS

SEE HEART DISORDERS, MYOCARDITIS

MYOCARDIUM

SEE HEART, MYOCARDIUM

MYOCARDIUM INTERCALATED DISCS

SEE HEART, MYOCARDIUM INTERCALATED DISCS

MYOCARDIOSIS

SEE HEART DISORDERS, MYOCARDIAL DISORDERS

MYOCLONUS

SEE NEUROMOTOR DISORDERS, MYOCLONUS

MYOEPIHELIAL CELLS

SEE MUSCLE CELLS, MYOEPIHELIAL CELLS

MYOFASCIAL PAIN-DYSFUNCTION SYNDROME

SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MYOFIBRILS

SEE MUSCLES, MYOFIBRILS

MYOGEN

SEE MUSCLE PROTEINS, MYOGEN

MYOGENESIS

SEE MUSCLES, MYOGENESIS

MYOGLOBIN

SEE HEMOPROTEINS, MYOGLOBIN

MYOGLOBINURIA

SEE HEMOPROTEINS, MYOGLOBINURIA

MYOGRAPHY, ELECTROMYOGRAPHY

SEE MUSCLE FUNCTION, ELECTROMYOGRAPHY*

MYOKINASE

SEE PHOSPHOTRANSFERASES, ATP-AMP PHOSPHOTRANSFERASE

MYOMETRIUM

SEE REPRODUCTIVE SYSTEM FEMALE, UTERUS, MYOMETRIUM

MYONEURAL JUNCTION

SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

MYOPIA

SEE EYE REFRACTIVE DISORDERS, MYOPIA

MYOSIN

SEE MUSCLE PROTEINS, MYOSIN

MYOSITIS

SEE MUSCULAR DISORDERS, MYOSITIS

MYOSITIS OSSIFICANS PROGRESSIVA

SEE MUSCULAR DISORDERS, MYOSITIS OSSIFICANS PROGRESSIVA

MYOTATIC RECEPTORS

SEE MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)

MYOTATIC REFLEX

SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

MYOTONIA ATROPHICA

SEE METABOLIC DISORDERS INBORN, MYOTONIA ATROPHICA

MYOTONIA CONGENITA

SEE METABOLIC DISORDERS INBORN, MYOTONIA CONGENITA

MYOTONIC DYSTROPHY

SEE METABOLIC DISORDERS INBORN, MYOTONIA ATROPHICA

MYRINGOPLASTY

SEE EAR SURGERY, MYRINGOPLASTY

MYXEDEMA

SEE THYROID GLAND DISORDERS, HYPOTHYROIDISM, MYXEDEMA

MYXEDEMA, CONGENITAL

SEE THYROID GLAND DISORDERS, HYPOTHYROIDISM, CRETINISM

MYXEDEMA, FAMILIAL

SEE THYROID GLAND DISORDERS, HYPOTHYROIDISM FAMILIAL

MYXOBACTERIALES

SEE BACTERIA, MYXOBACTERIALES*

MYXOCOCCUS

SEE BACTERIA, MYXOBACTERIALES, MYXOCOCCUS*

MYXOGASTRALES

SEE FUNGI, SLIME MOLDS, MYXOGASTRALES*

MYXOMA

SEE NEOPLASMS, MYXOMA

MYXOMYCETES (SLIME MOLDS)

SEE FUNGI, SLIME MOLDS*

MYXOVIRUS (AND RELATED VIRUS INFECTIONS)

SEE VIRUS DISEASES, MYXOVIRUS (AND RELATED INFECTIONS)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

MYXOVIRUSES

SEE VIRUSES, MYXOVIRUSES (INCLUDING RELATED VIRUSES)

NADASE

SEE N-GLYCOSYLHYDROLASES, NAD NUCLEOSIDASE

NAD KINASE

SEE PHOSPHOTRANSFERASES, ATP-NAD 2'-PHOSPHOTRANSFERASE

NAD LINKED ENZYMES

- R01AA-00239-06 0002 Effects of alcohol on liver and intestine - Adaptive and drug-induced alterations in ethanol metabolism (rats, human)
- R01AA-00279-04 Specific activators of liver alcohol dehydrogenase (horses, human, rats)
- R01AI-05637-12 Mechanisms of oxidative energy generation in bacteria
- R01AI-07241-09 Biosynthesis and metabolism of deoxysugars (bacteria)
- R01AI-08173-07 Leukocyte oxidase activity and susceptibility to infection (human)
- R01AI-09504-05 Mechanisms of leukocyte bactericidal activity (human)
- R01AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- R01AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)
- R01AM-12789-06 Metal ion catalysis in enzymic reactions
- R01AM-15404-04 Regulation of pathways of intermediary metabolism (cattle)
- ** P01CA-08748-09 5732 Research program of Sloan-Kettering Institute - Inactivation of microsomal NADase by NAD in Ehrlich ascites
- R01CA-10250-08 Glycerol-P dehydrogenase in differentiation and cancer (rodents, rabbits, rats)
- ** R01CA-11820-03 Potentially therapeutically useful NAD antagonists
- R01GM-16767-06 Reconstitution of mitochondrial respiratory chain
- R01GM-18405-04 0002 Regulation and mechanism of cell surface synthesis - Mechanism of sugar transformation (E coli)
- R01GM-19388-03 Chemical and immunological studies of membrane ATPase (Bacillus megaterium)
- R01GM-19636-02 Subcellular respiratory functions of cardiac muscle (cattle)
- R01GM-21161-01 Protein structure modification and oxidation
- R01GM-21200-01 Affinity labels of nucleotide sites in dehydrogenases (cattle)
- R01HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
- P01HL-06285-14 0178 Cardiovascular-respiratory physiology and biochemistry - Biochemical regulation of hypertrophy (rats, rabbits)
- R01HL-07449-12 0003 Formation and survival of red blood cells - Red cell metabolism
- R01HL-16111-01 Integrated regulation of myocardial energy metabolism (rats, guinea pigs)
- R01NS-11619-01 Respiratory energy metabolism in brain explants (rats)
- ** R01NS-11905-01 Brain DPN-specific isocitric dehydrogenase (swine)
- NAD NUCLEOSIDASE**
SEE N-GLYCOSYLHYDROLASES, NAD NUCLEOSIDASE
- NAD SYNTHETASE**
SEE CARBON-NITROGEN LIGASES, DEAMIDO-NAD-L-GLUTAMINE AMIDO-LIGASE (AMP)
- NAD (H2)**
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)
- NAD (H2) ANALOGS**
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2) ANALOGS
- NADH2 DIAPHORASE**
SEE OXIDOREDUCTASES, NADH2 DIAPHORASE
- NADH2 OXIDASE DEFICIENCY OF LEUKOCYTES**
SEE METABOLIC DISORDERS (INBORN), CHRONIC GRANULOMATOUS DISEASE (OF CHILDREN)
- NAD(P) TRANSHYDROGENASE**
SEE OXIDOREDUCTASES, NAD(P) TRANSHYDROGENASE
- NADPH-CYTOCHROME REDUCTASE**
SEE OXIDOREDUCTASES, NADPH2 CYTOCHROME C REDUCTASE
- NADPH-FERRICYTOCHROME OXIDOREDUCTASE**
SEE OXIDOREDUCTASES, NADPH2 CYTOCHROME C REDUCTASE
- NADP (H2)**
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

NADPH2 CYTOCHROME C REDUCTASE

SEE OXIDOREDUCTASES, NADPH2 CYTOCHROME C REDUCTASE

NADP LINKED ENZYMES

- R01AM-00546-23 Sugars and synthesis of amine acids (bacteria, yeast)
- ** R01AM-05222-14 (rabbits, rats) Production and excretion of bile acids
- R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- R22AM-16206-02 Malnutrition, infection, and human leukocyte metabolism
- R01AM-16729-01 Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs)
- ** R01CA-15979-01 0001 Cholesterol metabolism in normal and malignant liver - Hydroxymethylglutaryl Co A reductase characterization (rats)
- R01CA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
- ** P01GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- R01GM-10935-12 Lipid aberrations in mutant strains of neurospora
- R01GM-11061-12 Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria)
- R01GM-19163-01 Applications and mechanisms of bacterial bioluminescence
- R01GM-19526-03 Active sites of enzymes (rabbits, fungi)
- R01GM-21015-01 Ribonucleoside diphosphate reductase (E coli mutants)
- R01GM-21226-14 Oxidations in mitochondria and microsomes (bacteria, mammals, spinach)
- R01HL-12758-13 Regulation of aldosterone secretion (human, rats)
- R01HL-14483-04 Ion transport and oxidative phosphorylation (cattle)
- NADPH2:NAD OXIDOREDUCTASE**
SEE OXIDOREDUCTASES, NAD(P) TRANSHYDROGENASE
- NADP(H2):NITRATE OXIDOREDUCTASE**
SEE OXIDOREDUCTASES, NITRATE REDUCTASE
- NAEGLERIA**
SEE PROTOZOA, SARCODINA, NAEGLERIA
- NAIL DISORDERS**
SEE SKIN DISORDERS, NAIL
- NAIL-PATELLA SYNDROME**
SEE CONGENITAL ABNORMALITIES, SKELETAL, NAIL-PATELLA SYNDROME
- NAILS**
SEE SKIN DERIVATIVES, NAILS
- NALORPHINE**
SEE ALKALOIDS, MORPHINES, NALORPHINE
- NALOXONE**
SEE ALKALOIDS, MORPHINES, NALOXONE
- NALTREXONE**
SEE ALKALOIDS, MORPHINANS, NALTREXONE
- NANDROLONE**
SEE ESTRANE SERIES, 19-NORTESTOSTERONE
- NANIRNAVIRUSES**
SEE VIRUSES, PICORNAVIRUSES
- NAPHTHALENES**
SEE ALSO PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, ALDRIN
SEE ALSO PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, DIELDRIN
SEE ALSO PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, ENDRIN
- R01A-09902-04 Microsomal mixed-function oxidases (flies)
- R01AM-17281-01 Bile salts as atypical surfactants and solubilizers
- R01CA-12115-04 Unsaturated polyolefins and hydrocarbon carcinogenesis
- R26CA-15315-02 0001 Control of bladder cancer - Method for environmental carcinogen detection (dogs, monkeys, rodents, bacteria)
- ** R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- R01ES-00537-04 Enzymatic oxygen fixation into aromatic hydrocarbons (bacteria)
- R01ES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)
- R01GM-07487-13 Photochemistry of organic molecules
- R01GM-19566-06 Synthesis of lignans and related products
- R01NS-08116-07 Excitations in condensed molecular aggregates
- NAPHTHALENES, HYDRONAPHTHALENES**
R01GM-10224-12 Conformational analysis by NMR

NAPHTHALENES, METHYLENEDIOXY-,**PODOPHYLLIN**

- R01AM-16327-02 Microtubules and filaments in action of vasopressin (frogs)
- P01CA-08748-09 5613 Research program of Sloan-Kettering Institute - Chemotherapy trials on transplanted gliomas in mice
- P01CA-08748-09 6202 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in children
- P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
- P01CA-13330-03 0002 Cancer research program - Cancer therapy evaluation programs (human)
- P01CA-13330-03 0048 Cancer research program - Biochemical pharmacology of anti-tumor drugs
- ** R01CA-13996-02 Podophyllum components and analogs-antimitotics
- NAPHTHALENES, HYDRONAPHTHALENES**
R01CA-12107-10 Synthesis of antitumor natural products
- NAPHTHOLS**
P01ES-00040-10 0004 Environmental toxicology of pesticides - Comparative metabolism of chemical toxicants (plants, rats)
- R01ES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)
- NAPHTHOQUINONES**
SEE ALSO VITAMIN K
SEE ALSO VITAMIN K1
SEE ALSO VITAMIN K2
- R01AI-05637-12 Mechanisms of oxidative energy generation in bacteria
- ** R01AI-11819-01 Naphthoquinone metabolism in plants and bacteria
- R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- ** P07RR-00273-09 0004 Mass spectrometric facility for biomedical research - Mollisin biosynthesis (mollisia caesia)
- NAPHTHYLAMINES**
R01CA-05449-13 Mechanism of bladder cancer (dogs, rats)
- R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- R01CA-14387-02 Organ cultures and carcinogens (human, animals)
- ** R26CA-14927-02 Environmental bladder carcinogens (human)
- R26CA-15033-02 Hamster model for human bladder cancer
- R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
- R01HL-13619-05 0001 Microsomal electron transport - Liver electron transport (pigs)
- NAPHTHYLAMINES, HYDRONAPHTHYLAMINES**
R01DA-00117-04 Stereochemistry of 2-aminotetralin analgesics
- ** R01DA-01048-01 2-aminotetralins as narcotic-antagonists (monkeys, mice)
- R01NS-01396-17 Structure activity relationships to autonomic agents
- NAPHTHYLAMINES, PRONETHALOL**
R01AI-09957-04 Ontogeny of endotoxin pyrogenicity (guinea pigs)
- NAPHTHYLAMINES, PROPRANOLOL**
R01AA-00190-02 Beta-adrenergic blockade in alcoholism treatment (human)
- ** R01AA-00199-03 Beta adrenergic blocking agents in treatment of alcoholism (human)
- R01AA-00312-03 0005 Acute and chronic gastric mucosal injury due to alcohol - Prevention by anti-inflammatory and vasodepressive drugs. (rats)
- ** R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic
- P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
- P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
- P02AM-13430-05 0011 Research and heredity clinic - Hypertension (human)
- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- R01AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
- R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
- R01AM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
- R01AM-17125-01 The secretion of pepsin (dogs)
- ** P17AM-17624-01 0010 Obesity center - Thyroid hormones and beta adrenergic blockade in obesity treatment (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01DA-00895-01 Clinical pharmacology of narcotic antagonists (human)
- ** N01DA-30193-00 Clinical pharmacology of propranolol in opiate addiction
- R01DE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)
- R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
- R01EY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
- P11GM-14270-08 0049 Human drug metabolism and toxicology - Cardiovascular drugs - Antihypertensives and heart rate (human)
- ** P11GM-14270-08 0050 Human drug metabolism and toxicology - Renal physiology and pharmacology - Propranolol (human)
- P11GM-14270-08 0051 Human drug metabolism and toxicology - Renal physiology and pharmacology - Blood flow (human)
- ** P11GM-14270-08 0053 Human drug metabolism and toxicology - Renal physiology and pharmacology - Propranolol and blood flow (animals)
- ** P11GM-15431-08 0010 Research center for clinical pharmacology and drug toxicology - Disposition of propranolol - Hepatic uptake and storage (rats)
- ** P11GM-15431-08 0011 Research center for clinical pharmacology and drug toxicology - Therapeutic effects of beta-adrenergic blockade (human)
- P11GM-15431-08 0012 Research center for clinical pharmacology and drug toxicology - Therapeutic effects of beta-adrenergic blockade in angina (human)
- P11GM-15431-08 0031 Research center for clinical pharmacology and drug toxicology - Renin and aldosterone release (human)
- P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)
- P11GM-15431-08 0039 Research center for clinical pharmacology and drug toxicology - Influence of age upon drug disposition and elimination (human)
- ** P11GM-15431-08 0040 Research center for clinical pharmacology and drug toxicology - Plasma binding of drugs - Importance in plasma efficacy relationship
- P11GM-15431-08 0043 Research center for clinical pharmacology and drug toxicology - The influence of hepatic blood flow on drug disposition (rats, monkeys, human)
- P11GM-15559-07 0035 Clinical pharmacology - Drugs and release of pancreatic hormones in women
- P11GM-15559-07 0043 Clinical pharmacology - Drug therapy of cardiac damage and arrhythmias (human, cats)
- ** P11GM-15956-07 0048 Factors affecting the responses to drugs - Effect of propranolol on amphetamine tolerance in rats
- P01GM-17366-04 0001 Biochemical and physiologic response to trauma - Endocrine aspects of shock and trauma (human, monkeys)
- ** P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- ** P11GM-20387-02 0001 Multidisciplinary research program in pharmacology-toxicology - Metabolism of propranolol in man
- ** P11GM-20387-02 0004 Multidisciplinary research program in pharmacology-toxicology - Hypotensive effects and metabolism of propranolol (human)
- P11GM-20387-02 0005 Multidisciplinary research program in pharmacology-toxicology - Pharmacological activity of metabolites of beta-blocking drugs (mammals, human)
- P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
- ** P11GM-20387-02 0007 Multidisciplinary research program in pharmacology-toxicology - Antiarrhythmic efficacy and metabolism of propranolol and practolol (human)
- P11GM-20387-02 0008 Multidisciplinary research program in pharmacology-toxicology - Stable isotopes in clinical pharmacology and toxicology (animals, human)
- P11GM-20387-02 0010 Multidisciplinary research program in pharmacology-toxicology - Improved methodology for isolation of polar drugs and metabolites (human)
- P11GM-20387-02 0013 Multidisciplinary research program in pharmacology-toxicology - Support program in synthetic organic chemistry
- R01HD-00371-20 Hormonal function in growth and development in childhood (human)
- ** P01HD-00668-16 0011 Aging and the aged - Learning and psychophysiological parameters in aged (human)
- R01HD-02798-07 Primate uterine physiology (monkeys)
- R01HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- R01HD-07722-01 Neural regulation of prolactin secretion in the rat
- R01HL-05806-14 Analysis of antiarrhythmic agents (dogs, rabbits)
- P01HL-06285-14 0154 Cardiovascular-respiratory physiology and biochemistry - Function and viability of critically ischemic myocardium (dogs)
- P01HL-06285-14 0158 Cardiovascular-respiratory physiology and biochemistry - Myocardial contractility (dogs)
- ** P01HL-06285-14 0170 Cardiovascular-respiratory physiology and biochemistry - Effect of propranolol on hemodynamics in hypertensive patients
- P01HL-06835-13 0001 Cardiovascular disease - Mechanisms of hypertension (human, dogs)
- P01HL-06945-13 0002 Psychogenic factors in cardiovascular functions - Cardiovascular responses to behavioral stress (baboons, dogs)
- P01HL-07299-13 0072 Hypertension, shock and circulatory failure - Neurogenic factors in blood pressure regulation (human)
- R01HL-08311-11 Effects of drugs upon myocardial hypoxia (dogs, turtles)
- R01HL-08729-11 Myocardial cell injury (dogs)
- R01HL-08845-10 Electrophysiology of the denervated heart (dogs, rabbits)
- R01HL-09932-09 Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs)
- P01HL-10342-09 0019 Cardiovascular, pulmonary, and behavioral studies - Cerebral circulation (dogs)
- ** P01HL-10539-09 0036 Pathophysiology of circulation - Effects of quinidine and propranolol on ventricular arrhythmias (human)
- R01HL-10914-08 Renal sodium transport in experimental aldosteronism (dogs)
- R01HL-11015-07 Renin and angiotensin in hypertension and renal disease (rabbits, rats, human)
- R01HL-11432-06 Hemodynamic factors in cardiac development (turtles, chick embryo)
- P01HL-11662-07 0006 Regulation of fluid, electrolyte and acid-base balance - Patient studies
- ** P01HL-11662-07 0007 Regulation of fluid, electrolyte and acid-base balance - Minoxidil study (human)
- P01HL-12373-06 0013 Cardiopulmonary physiology and pathophysiology - Effects of cardiovascular drugs on left ventricular function (dogs)
- R01HL-12426-06 Voltage clamp of cardiac muscle (frogs)
- R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- R01HL-12777-05 Mechanisms in cardiac performance (dogs, cats)
- P01HL-13108-05 0022 Clinical heart transplantation - Circadian rhythms in the human transplanted heart
- ** R01HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
- R01HL-13321-04 Effect of drugs on Purkinje and ventricular fibers (dogs, guinea pigs)
- P01HL-13517-04 0001 Circulatory performance and prediction - Exercise and ECG cardiovascular mechanisms of anaerobic impairment (human)
- P01HL-13517-04 0008 Circulatory performance and prediction - Relationship of venous return to circulatory performance (dogs)
- R01HL-13595-04 Renin and vascular hyper-reactivity in hypertension (human)
- R01HL-13625-05 Radionuclide study of regional myocardial blood flow (dogs, human)
- R01HL-13666-03 Pharmacologic studies on the genesis of cardiac rhythmicity (rabbits, cats)
- R01HL-13917-15 Secretion and effects of adrenal hormones (human, rabbits, sheep)
- P17HL-14141-04 0006 SCOR for atherosclerosis in childhood - Effect of stress upon plasma lipids in childhood
- P17HL-14150-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (monkeys)
- P17HL-14150-04 0014 Specialized center of research in hypertension - Clinical trial of minoxidil in hypertensive outpatients
- ** P17HL-14150-04 0016 Specialized center of research in hypertension - Quantitation of incidence of adverse reactions to hypertensive drugs
- P17HL-14159-04 0014 Specialized center of research in hypertension - Primary aldosteronism (human, guinea pigs, dogs)
- P17HL-14242-04 0001 Specialized center of research in hypertension - Clinical study of malignant hypertension
- R01HL-14362-03 Acute renal failure (dogs, cats, rats, guinea pigs)
- P01HL-14388-03 0023 Regulation of the circulation in pathological states - Lipid deposition in blood vessels (monkeys)
- R01HL-14534-03 Air pollutants - Lung physiology and lung biochemistry (human, guinea pigs)
- R01HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
- R01HL-14602-03 Ventricular arrhythmias in coronary heart disease (human)
- P01HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dysrhythmia (human)
- P01HL-14780-02 0020 Mechanisms and treatment of cardiovascular diseases - Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat)
- P01HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
- P17HL-15063-03 0012 SCOR diffuse infiltrate in lung disease - Autonomic regulation of the tracheobronchial tree (human)
- P01HL-15833-01 0010 Pharmacologic and physiologic basis of cardiac therapy - Mechanisms of drug action in specific cardiac syndromes (human)
- R01HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
- R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- R01HL-16489-01 Renal prostaglandins - Synthesis and function (human, dogs, rats)
- R01HL-16531-01 0005 Clinical cardiology - Emphasis hypertension - Hypertension induced by oral contraceptives
- R01HV-22984-04 Protecting ischemic myocardium (mammals)
- R01HV-22969-02 Lethal arrhythmias in coronary heart disease
- R01MH-11299-10 Emotion and pulmonary function in asthma (human)
- P01MH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- R01MH-16128-06 Early clinical drug evaluation unit
- R03MH-25399-01 Operant conditioning of cardiac contractility in man
- P01MS-09287-04 0012 Baylor center for cerebrovascular research - Cerebral energy metabolism following acute infarction (monkeys, baboons)
- R01MS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- R01MS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- R01MS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
- R01MS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- M01RR-00031-14 0009 General clinical research center - Coronary insufficiency, myocardial metabolism and cardiac function (human)
- M01RR-00031-14 0035 General clinical research center - Renal vascular state and reactivity in hypertension (human)
- M01RR-00031-14 0037 General clinical research center - Hemodynamics and endocrine patterns in hypertension (human)
- M01RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- M01RR-00042-14 0030 General clinical research center - Hemolysis in Starr-Edwards prosthetic aortic valves, effect of drugs (human)
- ** M01RR-00047-14 0085 General clinical research center - Propranolol treatment of essential tremor (human)
- ** M01RR-00050-13 0046 Wilson's disease - Propranolol in treatment of hypertension (human)
- M01RR-00051-13 0002 General clinical research center - Beta blockers in hypertension and angina (human)
- M01RR-00051-13 0051 General clinical research center - Therapeutic efficacy of minoxidil (human)
- M01RR-00052-13 0030 General clinical research center for children - Endocrinology - Growth hormone
- M01RR-00054-13 0050 General clinical research center - Effect of assisted circulation on myocardial infarct, angina pectoris (human)
- ** M01RR-00055-13 0102 General clinical research center - Metabolic and antihypertensive effects of propranolol (human)
- M01RR-00056-13 0050 General Clinical Research Center - U-10,585 (minoxidil) in clinical research unit (human)
- ** M01RR-00059-13 0055 General clinical research center - Effects of propranolol, methylglucoside and placebo in thyrotropic patients
- ** M01RR-00060-13 0024 General clinical research center - Evaluation of propranolol in hyperthyroid man
- M01RR-00060-13 0035 General clinical research center - Renin activity and sodium intake in hypertension (human)
- ** M01RR-00076-12 0074 General clinical research center - Quinidine and propranolol for ventricular irritability of exercise (human)
- ** M01RR-00076-12 0104 General clinical research center - Propranolol in treatment of alcohol abstinence syndrome (human)
- ** M01RR-00082-12 0096 General clinical research center - Stimulation of growth hormone by propranolol glucagon administration (human)
- ** M01RR-00095-14 0074 General clinical research center - Propranolol for Duchenne muscular dystrophy (human)
- ** M01RR-00096-14 0061 Clinical research center - Effects of propranolol on aldosterone production with salt restriction (human)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
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- MO1RR-00125-11 0186 General clinical research center-adult-child - Prognostic diagnostic value of propranolol lowering of serum renin
- MO1RR-00229-09 0048 General clinical research center - Role of bradykinin in a new postural syndrome (human)
- ** MO1RR-00229-09 0059 General clinical research center - Propranolol treatment of renovascular hypertension (human)
- MO1RR-00240-10 0108 General clinical research center-Children - Propranolol therapy for growth retardation
- ** MO1RR-00240-10 0119 General clinical research center-Children - Effect of propranolol on Bartter's syndrome
- MO1RR-00287-08 0004 General clinical research center - Adrenergic receptor sites in regulation of fat mobilization (human)
- MO1RR-00334-08 0024 General clinical research center - Naloxone therapy for opiate dependence
- ** MO1RR-00336-08 0063 General clinical research center - Propranolol and hydralazine in labial hypertension (human)
- MO1RR-00400-06 0053 General clinical research center-adult - Prospective study of Graves disease (human)
- MO1RR-00425-06 0034 General clinical research center - Luteolytic activity of prostaglandins F2 and thromboxan U-14, 583E (human)
- ** MO1RR-00626-02 0073 General clinical research center - Effect of maternal propranolol on newborn (human)
- ** MO1RR-00626-02 0077 General clinical research center - Metabolic effects of propranolol in thyrotoxicosis (human)
- MO1RR-00827-01 0010 General clinical research center - Circulatory and pharmacologic studies in cardiac disease (human)
- ** MO1RR-00828-01 0002 General clinical research center - Effect of propranolol on bone turnover in hyperthyroidism (human)
- 1-NAPHTHYL-N-METHYL-CARBAMATE**
SEE PESTICIDES, INSECTICIDES, CARBAMATE INSECTICIDES, SEVIN
- NARCOLEPSY**
SEE NEUROLOGIC MANIFESTATION, SLEEP DISORDERS, NARCOLEPSY
- NARCOSIS**
SEE SENSORY DEPRESSION, ELECTRONARCOSIS
- NARCOSIS, INERT GAS**
SEE INJURIES, DYSBARISM, INERT GAS NARCOSIS
- NARCOTIC ADDICTION AND DRUG ABUSE REVIEW COMMITTEE**
- R01DA-00007-04 Hallucinogenic and narcotic drug immune systems
- R01DA-00014-15 Studies on opium and the opium poppy
- R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
- R01DA-00016-12 Factors in tolerance to the narcotic analgesics (rats)
- R01DA-00017-10 Effects of morphine and analogues on cell metabolism (bacteria, mammals, squid)
- R01DA-00019-07 Biochemistry of opium and tobacco alkaloids
- R01DA-00021-08 Syntheses of marijuana constituents (microorganisms, monkeys)
- R01DA-00022-08 Narcotic addiction and brain protein metabolism (mice)
- R01DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
- R01DA-00026-07 Biochemical mechanisms in drug addiction (guinea pigs, mice)
- R01DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
- R01DA-00033-06 Effects of marijuana on perception and cognition (human)
- R01DA-00037-06 Narcotic tolerance and physical dependence mechanisms (mice)
- R01DA-00043-05 A study of teen-age drug behavior
- R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- R01DA-00048-04 Epidemiologic field team for drug dependence (Chicago)
- R01DA-00053-02 Amphetamine, nervous stimulation and brain amines (mice)
- R01DA-00054-03 Student drug use and its personality correlates
- R01DA-00055-04 Therapeutic explorations with adolescents-Project community
- R01DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)
- R01DA-00061-04 Disposition and metabolism of tritiated DL-methadone (humans, dogs, rats)
- R01DA-00054-03 Family processes in adolescent drug use
- R01DA-00065-04 Drugs and personality (children)
- R01DA-00007-04 Marijuana effects on lung and electroencephalogram (human)
- R01DA-00069-04 Toxicology of marijuana in animals and man
- R01DA-00073-04 Opiate effects on brain function and behavior (human)
- R01DA-00083-04 Addiction careers of San Antonio addicts
- R01DA-00084-02 Effects of long term drug dependence (human)
- R01DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
- R01DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)
- R01DA-00093-04 Ultramicrodetermination of marijuana metabolites
- R01DA-00094-04 Drug use surveillance-San Mateo County Schools
- R01DA-00096-03 Effects of the abuse drug, marijuana, on human chromosomes
- R01DA-00097-03 Childrens drug use-Educational and other correlates
- R01DA-00099-03 Marijuana and personality (university students)
- R01DA-00105-03 Neuronal and social factors in the abuse of marijuana (rats)
- R01DA-00106-03 Immunoassay of THC in the study of drug abuse (human, rat, rabbits)
- R01DA-00109-03 Morphine tolerance and high sensitivity measurement (rats)
- R01DA-00110-03 Studies in control of morphine dependence (monkeys, rats, mice)
- R01DA-00111-02 Chronic THC-Effects of brain development (mice)
- R01DA-00113-03 Contingency contracting for treatment for drug abuse
- R01DA-00114-03 Effect of narcotic agents on brain metabolism (rats)
- R01DA-00115-03 Effects of opiate withdrawal on learning (rats)
- R01DA-00116-03 Cellular sites of action of marijuana constituents (rats)
- R01DA-00119-03 Soc-psych profiles on drug abusers in therapeutic community
- R01DA-00120-03 Immunological studies on heroin addiction (human, mice)
- R01DA-00121-01 Construction of a causal model of student drug use
- R01DA-00122-03 Methadone fate in the pregnant subject, fetus and newborn (rats, sheep)
- R01DA-00123-03 Drug preference and multiple addiction in the primate
- R01DA-00124-03 Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats)
- R01DA-00125-02 Immunologic effects of morphine (animals)
- R01DA-00126-03 Cerebrovascular injury in experimental drug abuse (monkeys)
- R01DA-00127-02 A study of chronic marijuana inhalation (dogs)
- R01DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
- R01DA-00134-03 Orally effective narcotic antagonists (human)
- R01DA-00135-03 THC and LSD-Residual effects on social behavior (monkeys)
- R01DA-00137-03 Drug use related to college and career achievement
- R01DA-00139-03 Experimental drug abuse (monkeys)
- R01DA-00140-02 Psychosocial effects of chronic marijuana use (human)
- R01DA-00154-09 Psychopharmacology of drug dependence (monkeys)
- M R01DA-00250-03 Research center-Studies of drug dependence and abuse
- M R01DA-00254-03 Drug abuse basic research center
- M R01DA-00257-03 Center for behavioral studies in addictions
- M R01DA-00259-03 Drug abuse research center
- R01DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
- M R01DA-00266-03 Johns Hopkins drug abuse research center
- R01DA-00276-07 Effects of prenatal malnutrition on drug sensitivity
- R01DA-00289-02 Mechanism of narcotic action tolerance and dependence
- R01DA-00290-02 Effects of LSD upon embryonic and maturing brain (mice)
- R01DA-00291-02 History of opiate dependence
- R01DA-00296-01 Effects of acute and chronic methadone treatment (rats)
- R01DA-00298-02 Metabolism of marijuana IN (human, rabbits)
- R01DA-00308-02 Immunology of drug action and neutralization (rabbits)
- ** R01DA-00319-01 ACh turnover-Role in morphine and amphetamine activity (rats)
- ** R01DA-00322-01 Physical dependence on barbiturates (mice)
- R01DA-00323-01 Biochemical effects of perinatal narcotic addiction
- R01DA-00325-02 Narcotic addiction during pregnancy and its sequelae (human)
- ** R01DA-00346-01 Anticonvulsant properties of marijuana and surrogates (rats, mice)
- R01DA-00348-01 Marijuana and morphine effects on cultured neurons (animals)
- R01DA-00351-02 Mechanisms of narcotic tolerance and dependence (guinea pigs, rats, dogs, mice)
- R01DA-00355-02 Marijuana and behavior-Long-term interactions (rats, monkeys)
- ** R01DA-00367-01 Morphine-CNS sites of analgesia and addiction (rats)
- ** R01DA-00388-01 Evaluation of sustained methadone ingestion (mammals)
- R01DA-00393-03 Biological effects of antibodies against morphine (human, cattle, mice, rabbits)
- R01DA-00397-03 Narcotic agonist antagonist relationship in brain (mice)
- R01DA-00407-02 Drug rehabilitation-Counter-culture religious cults
- R01DA-00415-03 Studies of selected agonists and antagonist
- R01DA-00433-02 Novel approach for amphetamine antagonism (rats)
- ** R01DA-00451-01 Metabolism-response to naloxone and naloxone
- R01DA-00532-02 Biochemical psychopharmacology of abused drugs (rats)
- ** R01DA-00538-01 Thiamine deficiency (rats, mice)
- ** R01DA-00555-01 Abuse drugs-disposition, metabolism and receptors (rodents)
- R01DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
- ** R01DA-00565-01 Physiologic mechanisms of narcotic withdrawal (rats)
- R01DA-00566-02 Biological effect of marijuana on lung
- ** R01DA-00568-01 Effects of drugs on neural reinforcement processes
- ** R01DA-00584-01 EEG and neurophysiological studies of covert drug abuse
- R01DA-00605-01 Cyclic AMP-antidote to hypnotic drug overdose
- ** R01DA-00612-01 Antagonism of orally self administered drugs effects
- ** R01DA-00640-01 Mutagenicity studies with 9-tetrahydrocannabinol (rats, mice, monkeys)
- ** R01DA-00666-01 Epidemiologic studies of heroin addicts
- R01DA-00667-02 Abuse liability and potential toxicity of 9 8 THC
- ** R01DA-00670-01 Cognitive dissonance effects on drug attitudes
- ** R01DA-00684-01 Striatal mechanisms in morphine actions
- ** R01DA-00687-01 Evaluation of method for drugs analyses
- ** R01DA-00695-01 Subjective effects of nitrous oxide
- R03DA-00696-01 Early development of narcotics addicted infants
- ** R01DA-00697-01 Biochemical mechanisms of narcotic analgesic action (rats)
- ** R01DA-00700-01 Abused drugs and social behavior
- ** R01DA-00710-01 Role of RNA and protein metabolism in addiction
- ** R01DA-00721-01 Acute and chronic methadone effects on brain activity (monkeys, cats)
- ** R01DA-00722-01 9-Tetrahydrocannabinol and aggression
- ** R03DA-00737-01 Antidotal study of amphetamine intoxication
- ** R01DA-00729-01 Analysis of pharmacologic agents in biologic specimens
- ** R01DA-00730-01 Action of drugs on cell membranes
- ** R01DA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)
- ** R01DA-00732-01 Methadone dose-plasma level-effect relations in man
- ** R01DA-00738-01 Psycho-social precursors of heroin use in Puerto Rico
- ** R01DA-00741-01 Physiologic factors in oral drug therapy of addiction
- ** R01DA-00742-01 Opioids and antagonists-neurophysiological studies (cats, rats)
- ** R01DA-00743-01 Analyses and pharmacokinetics of drugs of abuse
- ** R01DA-00744-01 Narcotic addiction in relation to hormone action
- ** R01DA-00748-01 New assays for cannabinoids
- ** R01DA-00755-01 Chronic pentobarbital or methadone-CNS biochemistry (rats)
- ** R01DA-00770-01 Quantum chemical studies of opiate narcotics
- ** R01DA-00784-01 Narcotic effects on nerve impulse activity in the brain
- R01DA-00787-01 Mental health and drug use in adolescence
- ** R01DA-00793-01 Identification of cannabinoid retained (rats)
- ** R01DA-00795-01 Cocaine stimulation-Biochemical correlates
- ** R01DA-00796-01 Effects of narcotics and barbiturates on brain ACh (rats)
- ** R01DA-00799-01 The electroencephalogram-Cocaine mechanisms
- ** R01DA-00800-01 The worlds of work and drugs
- ** R01DA-00801-01 Central and peripheral narcotic drug actions (mammals nonhuman)
- ** R01DA-00803-01 Mechanism narcotic addiction
- ** R01DA-00810-01 Determinants of stimulant self administration
- ** R01DA-00813-01 A systems approach to the study of drug use
- ** R01DA-00815-01 Effects of narcotics on brain phosphatides and cytology

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01DA-00826-01 Pituitary-adrenal function and narcotic addiction (rats, mice)
 ** R01DA-00828-01 Psychobiological causes of opiate addiction (mice)
 ** R01DA-00830-01 Cholinergic mechanisms in narcotic dependence (rats, monkey)
 ** R01DA-00831-01 Psychologic and socio-demographic profiles of addicts
 ** R01DA-00847-01 Drug use and abuse in women
 ** R01DA-00852-01 Predicting drug use by Harlem youth-feasibility study
 ** R01DA-00853-01 Legal and extralegal factors in drug law enforcement
 ** R01DA-00854-01 Abused drugs and human information processing
 ** R01DA-00866-02 Long-acting narcotic antagonist for addiction (dogs, rats)
 ** R01DA-00879-01 Cannabis-human memory, timing, perception and aggression
 ** R01DA-00884-01 Reducing intravenous drug self-administration
 ** R01DA-00886-01 Street and clinic experiences of Black opiate users
 ** R01DA-00890-01 Hepatotoxic potential of solvent and amphetamine abuse
 ** R01DA-00895-01 Clinical pharmacology of narcotic antagonists (human)
 ** R01DA-00896-01 Effects of 9-THC on behavioral development
 ** R01DA-00903-01 Computer interviews for drug abuse risk prediction
 ** R01DA-00904-01 Marijuana-Pulmonary bacterial susceptibility
 ** R01DA-00915-01 Maternal narcotic addiction and child development
 ** R01DA-00918-01 Female criminal involvement and narcotics addiction
 ** R01DA-00919-01 Human metabolism of commonly abused psychoactive drugs
 ** R01DA-00923-01 Methadone temporary support using LAAM and naltrexone
 ** R01DA-00926-01 Mechanisms of narcotic addiction
 ** R01DA-00928-01 Investigation of alkaloids in Cannabis sativa L
 ** R01DA-00932-01 Tetrahydrocannabinol effect on the immune response
 ** R01DA-00934-01 Brain chromatin-its role in analgesic tolerance
 ** R25DA-00935-01 Community education project for Mexican-American
 ** R01DA-00939-01 Experimental studies of sedative abuse (human)
 ** R01DA-00942-01 Pharmacokinetics of methadone
 ** R01DA-00944-01 Establishment and elimination of oral drug dependence
 ** R01DA-00948-01 Mechanisms of barbiturate tolerance and dependence
 ** R01DA-00956-01 Dipstick for morphine in urine (human)
 ** R01DA-00962-01 Cardiovascular effects of l-alpha acetylmethadol (LAAM)
 ** R01DA-00972-01 Biochemical mechanism in drug addiction (mice, guinea pig)
 ** R01DA-00974-01 Psychosocial study of Qat use in North Yemen
 ** R01DA-00975-01 Treatment for substance abuse program dropouts
 ** R13DA-00980-01 Conference-Schedule controlled drug-taking behavior
 ** R01DA-00981-01 Morphology and cannabinoid localization in cannabis
 ** R01DA-00990-01 Disposition of drugs of abuse in man
 ** R01DA-00991-01 Chronic cardiovascular effects of marijuana (dogs)
 ** R01DA-00995-01 Treatment of narcotic addiction by inhibition of craving (human)
 ** R01DA-01001-01 Marijuana constituents on brain acetylcholine (rats, monkeys)
 ** R01DA-01002-01 Pharmacodynamics of stimulant self-administration (monkeys)
 ** R01DA-01004-01 Effect of abuse drugs on efficacy of naltrexone
 ** R01DA-01006-01 Narcotic addiction and neuroendocrine function (cats, rats)
 ** R01DA-01015-01 Behavioral pharmacology of narcotics and narcotic antagonists (human)
 ** R01DA-01022-01 Experimental alteration of sedative/stimulant abuse (human)
 ** R01DA-01028-01 Relationship between drug addiction and crime
 ** R01DA-01032-01 Addicting drugs and brain function in humans
 ** R01DA-01035-01 Neuro-psychopharmacology of methaqualone (human)
 ** R01DA-01037-01 Narcotic antagonists-Correlation study
 ** R01DA-01044-01 Neuro-behavioral mechanisms of drug addiction (rats)
 ** R01DA-01046-01 Temporal parameters of stimulant drug reinforcement
 ** R01DA-01048-01 2-aminotetralins as narcotic-antagonists (monkeys, mice)

- ** R01DA-01049-01 Morphine and the medial forebrain bundle system (rats)
 R01DA-01050-01 EEG REM sleep and imipramine in morphine addiction (rats)
 ** R01DA-01053-01 Community variations in Chicano ex-addict adaptations
 ** R01DA-01054-01 Drug abuse among Indian adolescents
 M R01DA-01057-01 Drugs of abuse-Pharmacokinetics, metabolism and response
 ** R01DA-01059-01 Behavior therapy and naltrexone for narcotic addiction
 ** R01DA-01061-01 Analysis of a three year adolescent drug-use survey
 ** P01DA-01070-01 Adolescent drug abuse etiologies
 ** P01DA-01073-01 Center, theoretical social research on drug abuse
 ** P01DA-01080-01 Psychosocial investigation of drug abuse in industry
 ** R01DA-01095-01 Kinetics of heroin, morphine and biogenic amines
 M P01DA-01097-01 Center for socio-cultural research on drug use
 ** R18DA-01103-01 Ethnicity, socialization and multiple drug use
 ** R01DA-01119-01 Family characteristics and therapy of heroin addict
 ** R01DA-01120-01 Vietnam veterans three years later
 ** R01DA-01121-01 A study of drug use among young American males

NARCOTIC CONTROL

SEE DRUG AND NARCOTIC CONTROL

NARCOTICS

SEE PSYCHOPHARMACOLOGICAL AGENTS, NARCOTICS

NARCOTICS ADDICTION CHEMOTHERAPY

SEE DRUGS ABUSE, DRUGS ADDICTION TREATMENT AND REHABILITATION, CHEMOTHERAPY

NASAL (INCLUDES NOSE, OLFACTION AND PARANASAL SINUSES)

- ** P17HL-15098-03 0008 Special center of research-Environmental lung disease - Histo- and cytopathology of nasal and pharyngeal tissues (monkeys)
 P01NS-06225-09 0004 Cerebral localization - Neural mechanisms of temperature and studies on the mediadorsal nucleus (animals)
 ** R01NS-09570-10 Blood flow changes in otic and nasal tissue (human, dogs)

NASAL NOSE

- SEE ALSO NASAL DISORDERS, NOSE DISORDERS
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, OLFACTION
 ** P10ES-00002-12 0013 Occupational and environmental health - Uptake of gases by the human nose
 ** P01ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
 R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
 ** R01HD-03484-08 0003 Developmental studies on the turtle - Removal of embryonic nasal placodes
 P01HD-03803-06 0001 Control mechanism in reproduction and development - Organogenesis and embryonic induction (amphibians, Drosophila)
 P01HD-08658-01 0007 Developmental neurobiology in primates - Placodes and caudal proliferation center (Macaca mulatta)
 N01HD-42869-01 Development of mucosal sensory receptors (human, monkeys)
 R01NS-11713-01 Functional studies of the vomeronasal system (snakes)
 R01OH-00340-05 0001 Respiratory effects of inhaled gases and aerosols - Respiratory uptakes of ozone in dogs

NASAL, PARANASAL SINUSES

- N01DE-42435-00 Development of improved materials for extraoral maxillofacial prosthesis

NASAL AIRFLOW MEASUREMENTS

SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*

NASAL DECONGESTANTS

SEE RESPIRATORY DRUGS, DECONGESTANTS, NASAL

NASAL DISORDERS, EPISTAXIS

- R01HD-07300-02 Hemostasis and hemorrhagic disease in children (human)

NASAL DISORDERS, NOSE DISORDERS

- SEE ALSO HYPERSENSITIVITY, RESPIRATORY HYPERSENSITIVITY, HAY FEVER
 R01ES-00741-02 Interaction of SO₂ and virus on respiratory mucosa (chickens)
 N01LM-44726-00 Purchase educational film to be circulated on free loan
 R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)

NASAL DISORDERS, RHINITIS

- ** P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)

- P15AI-12029-01 0001 Allergic diseases center grant-Mechanisms in asthma - Natural history of bronchial asthma (human)
 P02AM-05577-13 0010 Clinical research unit in rheumatic diseases - Chemical mediators in acute inflammatory states (rabbits)
 R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 R01NS-09570-10 Blood flow changes in otic and nasal tissue (human, dogs)

NASAL DISORDERS, SINUSITIS

- P02CA-05837-12 0004 Cancer clinical research - Epidemiologic oncology (human)

NASAL GROWTHS AND NEOPLASMS

SEE ALSO ORAL-PHARYNGEAL NEOPLASMS, NASOPHARYNGEAL NEOPLASMS

- R01CA-11606-05 American Joint Committee
 P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
 P10ES-00260-12 0022 Research in the environmental health sciences - Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether
 P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)

NASAL SALT GLAND

SEE BODY FLUID BALANCE, IONIC, SALT GLAND

NASOPHARYNGEAL HYPERPLASIA

SEE ORAL-PHARYNGEAL HYPERPLASIA, NASOPHARYNGEAL HYPERPLASIA

NASOPHARYNGEAL NEOPLASMS

SEE ORAL-PHARYNGEAL NEOPLASMS, NASOPHARYNGEAL NEOPLASMS

NASOPHARYNX

SEE ORAL-PHARYNGEAL, NASOPHARYNX

NATIONAL GROUPS

SEE SOCIAL GROUPS, NATIONAL GROUPS

NATRIURESIS

SEE KIDNEY FUNCTION, SALURESIS

NATURAL

SEE AZO COMPOUNDS, HYDRAZINES, PROCARBAZINE

NATURAL PRODUCTS

SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION
 SEE ALSO PLANTS EXTRACTS

- R01AI-08143-06 Carbon-13 labeled substrates in biosynthetic studies (plants)
 ** R01AI-08687-06 Natural product syntheses
 ** R01AI-10187-04 Studies on antihormones (insects, plants)
 R01AI-11607-01 Synthesis of macrocyclic lactones
 R01AI-11662-01 Approaches to the synthesis of the sesquiterpenes
 R01AI-11978-01 Synthesis of epidithiopyperazineidione antibiotics
 R01AM-00709-21 Ultraviolet irradiation of natural products
 R01AM-03787-15 Steroid and terpenoid synthesis
 R01AM-10849-08 Approaches to structurally modified steroids
 ** N01AM-42226-00 Iron chelating agents in treatment of Cooley's anemia (microorganisms, synthesis)
 ** N01AM-50032-12 Steroid collection for medical research
 P01CA-08748-09 5407 Research program of Sloan-Kettering Institute - Effect of natural products on cancer growth (mice)
 ** R01CA-10849-06 The synthesis of natural products for chemotherapy
 R01CA-11033-05 Physiologically active compounds from marine organisms
 R01CA-11326-06 Photochemical synthesis of antineoplastic substances
 R01CA-11388-06 High resolution mass spectra of bioorganic compounds
 ** R01CA-11572-05 Structural and biological studies of natural products (plants, animals)
 ** R01CA-11718-05 Chemistry of tumor-inhibitory natural products
 ** R01CA-12059-05 Chemistry of biologically active natural products (plants)
 P01CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)
 R01CA-12360-04 Studies in medicinal chemistry-Antitumor agents
 ** R01CA-13121-16 Studies in phytochemistry (compositae)
 R01CA-13278-06 Synthesis of ergolines and related compounds (rats, mice)
 ** P01CA-13343-02 0001 Environmental cancer - Natural product carcinogens (plants, rats)
 ** R01CA-13648-02 Antitumor agents from natural sources (plants, mammals)
 ** R01CA-13786-01 Microbial transformations-Natural antitumor agents
 P02CA-13943-02 0007 Clinical pharmacology immunology cancer research center - Antitumor agents from marine organisms and algae

(contd)

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**Oriented significantly to above subject.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P02CA-13943-02 0008** Clinical pharmacology immunology cancer research center - Cell culture studies of synthetics and natural products
R01CA-15230-01 Antineoplastic principles (mice)
R01CA-15590-01 Antitumor agents from West African plants
P01CA-16038-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids
**** R01CA-16049-01** Naturally occurring antineoplastic agents (marine animals, arthropods, plants)
R01CA-16068-01 Total synthesis of crotoposide, an anti-tumor compound
R01CA-16616-01 Synthesis of macrocyclic natural products
R13CA-16893-01 Workshop on marine bioactive substances research
**** N01CM-12098-11** Analysis, testing and evaluation of anti-cancer agents (mammal, nonhuman)
N01CM-12259-06 New agent screening for chemotherapy cancer use (mice)
**** N01CM-12308-05** Isolate antitumor agents from natural products
**** N01CM-22078-04** Develop active antitumor agents from natural sources
N01CM-23705-03 Collecting chemical compounds and drugs for antitumor testing
N01CM-23707-05 Preparation of bulk chemicals and drugs
N01CM-23708-04 Preparation of bulk chemicals and drugs
N01CM-33720-01 Collection and screening of antineoplastic agents (mammals)
**** N01CM-43756-00** Analysis, testing and evaluation of anti-cancer agents (mammals, non-human)
N01CM-50035-14 Development of antitumor agents
N01CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
**** R01ES-00712-02** Antibiotic mucor oncology of mycotic hepatomagenesis (ducks)
R01FD-00382-04 N-nitrosamines in foods (marine, fish, rats)
**** R01GM-04229-20** The chemistry of natural products
**** R01GM-05147-17** Synthesis of natural products
**** R01GM-09686-13** Chemistry of natural products
R01GM-13000-09 Applications of ESR spectroscopy
R01GM-13598-09 Steroids, prostaglandins-synthetic designs
R01GM-15994-06 Ion-molecule mass spectra in structure elucidation
R01GM-20003-01 Structure determination by mass spectrometry
**** R01GM-20500-01** Biogenetic C-13 enrichment of natural product drugs
R01NS-08947-05 Metabolic studies on neurotoxins (rodents, plants)
R01NS-09831-03 Synthesis of the CNS stimulant dendrobine
P07RR-00665-01 Regional biomedical mass spectrometry resource
- NEARSIGHTEDNESS**
 SEE EYE REFRACTIVE DISORDERS, MYOPIA
- NECK AND HEAD INJURIES**
 SEE INJURIES, HEAD AND NECK
- NECK NEOPLASMS**
 SEE NEOPLASMS, HEAD AND NECK
- NECROCYTOSIS**
 SEE CELL DEATH
- NECROSINS**
 SEE TOXINS, NECROSINS
- NECROSIS**
 SEE DISEASES, PATHOLOGIC PROCESSES, NECROSIS
- NEGROES**
 SEE SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS
- NEGROID RACE**
 SEE SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE
- NEISSERIA**
 SEE BACTERIA, NEISSERIACEAE, NEISSERIA*
- NEISSERIA CATARRHALIS**
 SEE BACTERIA, NEISSERIACEAE, NEISSERIA CATARRHALIS*
- NEISSERIA MENINGITIDIS**
 SEE BACTERIA, NEISSERIACEAE, NEISSERIA MENINGITIDIS*
- NEMATOCYSTS**
 SEE COELENTERATES, NEMATOCYSTS*
- NEMATODES**
 SEE HELMINTHS, NEMATODES
- NEMATOSPIROIDES**
 SEE HELMINTHS, NEMATODES, NEMATOSPIROIDES
- NEOMYCIN**
 SEE ANTIBIOTICS, NEOMYCIN
- NEON**
 SEE GAS ELEMENTS, NEON

NEONATAL MORTALITY

SEE INFANT MORTALITY

NEONATAL MORTALITY, ANIMAL

SEE INFANT MORTALITY ANIMAL

NEOPLASMS

- SEE ALSO BILIARY TRACT NEOPLASMS
 SEE ALSO BLOOD AND RE NEOPLASMS, BONE MARROW NEOPLASMS
 SEE ALSO BLOOD AND RE NEOPLASMS, LEUKEMIA
 SEE ALSO BRAIN NEOPLASMS
 SEE ALSO CANCER CLINICAL INVESTIGATION REVIEW COMMITTEE
 SEE ALSO CANCER PROGRAM PROJECT COMMITTEE
 SEE ALSO CANCER SPECIAL PROGRAM ADVISORY COMMITTEE
 SEE ALSO CARDIOVASCULAR NEOPLASMS
 SEE ALSO CONNECTIVE TISSUE NEOPLASMS
 SEE ALSO DENTAL TISSUE NEOPLASMS
 SEE ALSO ENDOCRINOLOGY, ENDOCRINE NEOPLASMS
 SEE ALSO EYE NEOPLASMS
 SEE ALSO EYELID NEOPLASMS
 SEE ALSO GASTROINTESTINAL NEOPLASMS
 SEE ALSO GLOBULINS, MYELOMA GLOBULINS
 SEE ALSO HEALTH SCIENCES PROFESSIONS, NURSING ONCOLOGY
 SEE ALSO KIDNEY NEOPLASMS
 SEE ALSO LIVER NEOPLASMS
 SEE ALSO NASAL GROWTHS AND NEOPLASMS
 SEE ALSO NERVOUS NEOPLASMS
 SEE ALSO ORAL-PHARYNGEAL NEOPLASMS
 SEE ALSO PANCREAS NEOPLASMS
 SEE ALSO PARATHYROID NEOPLASMS
 SEE ALSO PIGMENT CELL NEOPLASMS, MELANOMA
 SEE ALSO PLANTS NEOPLASMS
 SEE ALSO PREGNANCY, PLACENTAL NEOPLASMS
 SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS
 SEE ALSO RESPIRATORY NEOPLASMS
 SEE ALSO SKELETAL NEOPLASMS
 SEE ALSO SKIN NEOPLASMS
 SEE ALSO URINARY TRACT NEOPLASMS
 SEE ALSO VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)
- ** N01AA-30116-00** Alcohol beverages in etiology of certain cancers in man
**** R01AI-10883-03** Herpes virus replication in synchronized cell cultures
**** R01AI-10961-02** Immunologic aspects of aging and neoplasia (rats)
P01AI-12225-01 0001 Immunopathology and clinical immunology - Leukotactic abnormalities in human
R01AM-16622-02 Pbrins in clinical patients
R01AM-16740-02 Glycerol-3-P dehydrogenase-Role in lipid metabolism (birds, mice)
**** R01CA-02075-20** Polysaccharides in neoplastic disease (human, cattle, rabbits)
**** R10CA-03526-17** Childrens cancer study group A
M R01CA-04679-15 Biology of normal and malignant melanocytes
**** R10CA-05587-14** Southwest cancer chemotherapy study group (human)
M P02CA-05834-13 Cancer clinical research center
**** P02CA-05834-13 0033** Cancer clinical research center - Pre-treatment patient evaluation
P02CA-06516-12 0009 Cancer center support grant-Comprehensive - Clinical microbiology and infectious disease
P02CA-06516-12 0011 Cancer center support grant-Comprehensive - Blood products and supportive care (human, rats)
P02CA-06516-12 0032 Cancer center support grant-Comprehensive - Characterization of endogenous Herpes virus (hamster)
P02CA-06551-11 0003 Cancer clinical research - Relation of inherited antigens to cancer susceptibility in man
P02CA-06973-12 0014 Integrated clinical cancer research program - Multiple myeloma (human)
R10CA-07190-12 Eastern cooperative oncology group
R10CA-07306-11 Childrens cancer study group A
P02CA-08023-10 0068 Cancer clinical research center - Methods of geocoding health data
**** P02CA-08023-10 0069** Cancer clinical research center - Missouri cooperative tumor registry
R01CA-08231-10 0002 Radiobiology research program - Low-dose capillary damage revealed by microangiography (mice)
P02CA-08480-09 0021 Childhood cancer research center - Antibiotic therapy in fulminating bacterial infections (human)
**** P02CA-08480-09 0029** Childhood cancer research center - Dental problems in children with cancer
**** P02CA-08480-09 0030** Childhood cancer research center - Varicella-Zoster and herpesvirus infections in children with cancer
**** R01CA-08494-09** Mechanisms of viral infection in relation to cancer
R01CA-08723-06 Polarographic kinetic protein waves (bovine serum)
**** R01CA-08725-06** Effect of leukemia viruses on hematopoiesis

- P01CA-08748-09 5611** Research program of Sloan-Kettering Institute - Calcium mobilizing materials from nonparathyroid neoplasms (human, cattle)
P01CA-08748-09 6905 Research program of Sloan-Kettering Institute - Oncogenic transformation by hamster sarcoma virus
M P02CA-08832-08 An integrated study of advanced malignant diseases
P02CA-08832-08 0070 An integrated study of advanced malignant diseases - HL-A phenotypes in lymphoreticular malignancies
P02CA-08832-08 0072 An integrated study of advanced malignant diseases - Non-Hodgkin's lymphomas in bone marrow (human)
P02CA-08832-08 0073 An integrated study of advanced malignant diseases - Multivariate analysis of prognostic factors in lymphomas (human)
P02CA-08832-08 0079 An integrated study of advanced malignant diseases - Pulmonary manifestations of lymphoma (human)
P02CA-08832-08 0107 An integrated study of advanced malignant diseases - Cell-mediated immunity in malignant teratoma (human)
**** P02CA-08832-08 0123** An integrated study of advanced malignant diseases - Malignancy in family due to childhood radiation
R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
P01CA-10372-07 Radiobiology-oncology research program
**** P02CA-10438-08 0033** Clinical radiation therapy research center - Immunological enhancement of human malignant tumors
**** R01CA-10586-07** tRNA methylases in normal and neoplastic tissue
**** P02CA-11067-05 0021** Clinical cancer research center - Computerized cancer data retrieval system
R10CA-11109-06 Eastern cooperative oncology group
R01CA-11430-09 0030 Biomathematics and computing in a cancer institute - Planning and analysis of clinical studies
**** P01CA-11531-05** Core program in biometrics of cancer epidemiology
R01CA-11850-04 Comparative enzymology of the glyoxalase system
R01CA-11861-05 Control of viral RNA synthesis in herpes virus infection
P02CA-11911-04 0007 Clinical cancer center - Intravascular coagulation-Fibrinolysis syndrome in cancer
P02CA-11911-04 0008 Clinical cancer center - Analgesics and narcotics in patients with advanced cancer
R10CA-12001-09 Leukemia center (platelet) program
R01CA-12109-04 0023 Trophoblastic disease - Effects of neoplastic disease on carbohydrate metabolism
R01CA-12164-03 The biological function of selenium
**** P02CA-12197-03 0033** Multidisciplinary oncology research center - Tumor registry
**** R01CA-12208-03** Oxford survey of childhood cancers
**** P02CA-12247-03 0001** Pediatric oncology center - Epidemiology
P02CA-12247-03 0003 Pediatric oncology center - Platelet kinetics (human)
**** P01CA-12376-03 0005** Environmental carcinogenesis - Rare cancer sites (human)
P01CA-12376-03 0009 Environmental carcinogenesis - Foreign investigation
P01CA-12376-03 0012 Environmental carcinogenesis - Different types of cigarettes and various tobacco-related cancers (human)
P01CA-12376-03 0019 Environmental carcinogenesis - Riboflavin deficiency in epithelial neoplasm (mice)
**** R01CA-12538-03** Cancer-Cell regulation and DNA repair (human, cattle, bacteria)
**** R01CA-12646-03** Abnormal metabolism of cancer patients
**** P01CA-12707-03 0005** Cancer epidemiology program grant - Surveillance (human)
**** P01CA-12707-03 0006** Cancer epidemiology program grant - Record linking (human)
R01CA-12786-03 Modification of cellular immunity to neoplasia in man
**** R01CA-12870-04** Pathological cells from human tumors
**** P01CA-12922-02** Exploratory study for clinical oncology center
**** P02CA-13053-03 0080** Clinical cancer radiation therapy research center - ICRF 159 chemotherapy in solid tumors and acute leukemia (children)
P02CA-13053-03 0092 Clinical cancer radiation therapy research center - BCNU and amphotericin B in human neoplasia
R01CA-13134-03 Cell-mediated immunity in avian leukosis (chickens)
**** P02CA-13148-03 0056** Pilot cancer center - Model cancer epidemiological service
**** P02CA-13148-03 0052** Pilot cancer center - Role of DNA repair in cancer biology (human)
**** P01CA-13162-03** Exploratory studies in cancer research (human)
**** R01CA-13184-03** Registry of canine and feline neoplasms (Tulsa County, Okla)
**** R01CA-13190-02** Human tumor-Specific immunity
**** P01CA-13317-02** Exploratory study for a cancer institute

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- P01CA-13326-03 Exploratory studies for cancer research
P01CA-13330-03 0065 Cancer research program - Tumor registry
- R01CA-13369-03 Sterol biosynthesis in cancer (animals, human, peas)
- R01CA-13592-05 Ribosomal mapping with carbocyclic penicillin analogs (bacteria)
- ** P01CA-13694-01 Exploratory studies for cancer research (human)
- P02CA-13696-02 0001 Clinical cancer research center - Leukemia, lymphoma and myeloma (human)
- ** P02CA-13696-02 0047 Clinical cancer research center - Psychiatric liaison with surgery service (human)
- ** P02CA-13696-02 0049 Clinical cancer research center - Psychiatric liaison with cancer research unit (human)
- ** P02CA-13696-02 0050 Clinical cancer research center - Psychiatric study of children with terminal illness (human)
- ** P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
- ** P02CA-13696-02 0052 Clinical cancer research center - Reactions of cancer patients to nursing intervention (human)
- ** P02CA-13696-02 0054 Clinical cancer research center - Preparation of specialist in cancer nursing
- ** P02CA-13696-02 0056 Clinical cancer research center - Central tumor tissue facility (human)
- P02CA-13696-02 0066 Clinical cancer research center - Electron microscopy studies of normal and abnormal tissues (human)
- ** P02CA-13696-02 0069 Clinical cancer research center - Environment and cancer mortality in New York (human, animals)
- ** P02CA-13696-02 0071 Clinical cancer research center - Computer-based case tracing and graphic presentation
- ** P02CA-13696-02 0072 Clinical cancer research center - Data processing and statistical services
- ** P01CA-13698-02 Cancer research and clinical exploratory grant (human)
- ** P01CA-13704-02 Exploratory studies for cancer research (human)
- ** P01CA-13705-02 Exploratory studies for cancer research
- R01CA-13718-02 Aberrant gene expression during chemotherapy (rats, mice)
- ** P01CA-13749-02 Exploratory studies for cancer research (human)
- ** P01CA-13750-02 Exploratory studies for cancer research (human)
- ** P01CA-13799-02 Exploratory studies for cancer research (human)
- R01CA-13811-02 Disability and mortality as measures of cancer (human)
- P02CA-13943-02 0032 Clinical pharmacology immunology cancer research center - Inflammation and cancer (human, mice)
- ** R01CA-14011-02 Cell lines from persons with high risk of cancer
- ** R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
- ** R01CA-14047-02 Methylations in tumors (rabbits, chickens, anurans, bacteria)
- ** P01CA-14089-01 0038 Pilot multidisciplinary cancer research program - Pediatric oncology support services
- ** P01CA-14093-02 Exploratory studies in cancer research
- ** P01CA-14095-02 Exploratory studies for cancer research (human)
- R01CA-14104-02 Suicide and other coping behavior of cancer patients
- R01CA-14121-02 Interventive family therapy in dying and bereavement
- ** P01CA-14131-02 Exploratory studies in cancer research (human)
- ** R01CA-14235-02 Neoplasia-predisposing genes in man
- ** P01CA-14236-01 Comprehensive cancer center support grant
- ** P01CA-14271-02 Exploratory studies in cancer research (human)
- ** P01CA-14289-02 Exploratory studies in cancer research
- ** P01CA-14293-02 Exploratory studies in cancer research (human)
- ** R01CA-14346-02 Human tumor-Associated molecular expressions-CEA
- P01CA-14395-02 0003 Cancer research center of Greater Miami - Computerized tumor registry in Southern Florida
- R10CA-14472-02 Western cancer study group
- ** P01CA-14493-01 Exploratory studies in cancer research (human)
- ** P01CA-14499-02 Exploratory studies in cancer research (human)
- P01CA-14536-01 0085 Cancer institute core proposal - Computer science methodology
- ** P01CA-14720-02 Exploratory studies in cancer research (human)
- R01CA-14815-01 Purification and characterization tumor specific antigen (human, mice)
- ** P01CA-14878-01 Exploratory studies in cancer research
- ** R26CA-14907-02 Synchronization of cells in vivo (mice)
- ** R01CA-14916-02 Animal neoplasm registry
- M R01CA-14969-02 Radionuclide studies of tumors and growth
- ** P01CA-15065-01 Planning for an Oregon cancer center program
- P02CA-15083-01 0001 Cancer Center Support Grant-Mayo Foundation - Statistical center
- P02CA-15083-01 0004 Cancer Center Support Grant-Mayo Foundation - Cancer rehabilitation
- M P02CA-15145-01 Cancer center support grant
- P02CA-15145-01 0022 Cancer center support grant - Blood component support for leukemic and tumor patients
- P02CA-15145-01 0030 Cancer center support grant - Thrombotic diathesis in cancer patients
- P02CA-15145-01 0046 Cancer center support grant - Rapid detection of infection in cancer patients
- ** P02CA-15145-01 0054 Cancer center support grant - Cancer rehabilitation
- R01CA-15423-02 Polar corticoids in guinea pigs and cancer (also human, rats, mice)
- R10CA-15457-01 Western Cancer Study Group
- ** R01CA-15516-01 ABO(H) blood groups and blood group enzymes in cancer (human, seeds)
- ** R01CA-15629-01 Pathogenesis of anemia in malignancy (human, rodents)
- P01CA-15655-01 0001 Cancer center support grant - Immunological model of Marek's disease (chickens)
- P01CA-15655-01 0002 Cancer center support grant - Cellular level of immunosuppression (mice)
- ** P01CA-15704-01 0029 Cancer center support grant - Pathology-Electron microscopy
- P01CA-15704-01 0030 Cancer center support grant - Visiting scientists
- P01CA-15704-01 0031 Cancer center support grant - Surgical transplant program
- P01CA-15704-01 0032 Cancer center support grant - Biostatistics-epidemiology
- P01CA-15704-01 0033 Cancer center support grant - Library services and information
- ** P01CA-15704-01 0034 Cancer center support grant - Rehabilitation
- ** P01CA-15704-01 0035 Cancer center support grant - Northwest cooperative cancer study group
- ** P01CA-15704-01 0037 Cancer center support grant - Pediatric oncology
- ** P01CA-15704-01 0044 Cancer center support grant - Regional cancer council
- ** R01CA-15733-01 Mitochondrial polyadenylation in neoplasia (rats)
- ** R01CA-15739-01 Nature of pyruvate kinase isozyme change in neoplasia (human)
- P01CA-15820-01 0003 Comparative Oncology Research Program - Statistical analysis
- ** P01CA-15925-01 Exploratory studies in cancer research (human)
- ** P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
- ** P01CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
- P01CA-15936-01 0014 Specialized Cancer Center - Donor selection for platelet and granulocyte transfusions (human)
- ** P01CA-15936-01 0015 Specialized Cancer Center - Psychological aspects of cancer (human)
- ** P01CA-15936-01 0017 Specialized Cancer Center - Biochemical diagnosis (membranes, human)
- P01CA-15936-01 0018 Specialized Cancer Center - Research ward staffing
- P01CA-15936-01 0019 Specialized Cancer Center - Research clinic equipment and staffing
- P01CA-15936-01 0020 Specialized Cancer Center - Microcluster beds staffing
- P01CA-15936-01 0021 Specialized Cancer Center - Social service staffing
- R13CA-15961-01 Workshops in techniques of cancer research
- P01CA-16058-01 Cancer center support grant
- ** P01CA-16067-01 Exploratory studies in cancer research (human)
- ** P01CA-16209-01 Exploratory studies in cancer research
- ** P01CA-16245-01 Exploratory studies in cancer research
- R01CA-16292-01 Glycosyltransferases and contact inhibition (mice)
- M P01CA-16359-01 Cancer center support grant
- P01CA-16359-01 0058 Cancer center support grant - Cancer related clinical activities
- R13CA-16369-01 Conference-Magnetic resonance in biology and medicine
- R18CA-16400-01 Cancer control development grant
- ** R18CA-16400-01 0005 Cancer control development grant - Tumor registry (human)
- ** R18CA-16400-01 0006 Cancer control development grant - Education and training projects (human)
- R18CA-16401-01 0003 University of Chicago cancer control center - Psychological aspects of cancer
- R18CA-16401-01 0006 University of Chicago cancer control center - Prototype clinical data center program in cancer control
- ** R18CA-16404-01 0005 Cancer control development grant - Regional cancer council
- R18CA-16404-01 0011 Cancer control development grant - Cancer rehabilitation
- ** R18CA-16408-01 Cancer control developmental grant
- M R18CA-16409-01 Cancer control developmental grant
- ** R18CA-16409-01 0006 Cancer control developmental grant - Tumor conference system
- R18CA-16409-01 0007 Cancer control developmental grant - Model state control program
- R18CA-16409-01 0008 Cancer control developmental grant - Whole system
- ** R18CA-16409-01 0009 Cancer control developmental grant - Coordination, planning and implementation
- ** R18CA-16409-01 0010 Cancer control developmental grant - Administration
- ** R18CA-16413-01 Cancer control developmental grant
- R13CA-16892-01 Conference-Suppression of the malignant phenotype
- R01CB-23879-02 Establishment and maintenance of blood serum bank (human)
- ** R01CB-23896-02 Facility for supplying immune related cell lines (mice)
- ** R01CB-33871-01 Evaluation of National Cancer Institute services
- ** R01CB-33915-01 Collection of sera from populations with high cancer risk (human)
- ** R01CB-43862-00 Procurement of blood specimens from cancer patients and controls
- R01CB-43877-00 Immunotherapy-Mechanism of action of immunopotentiators (mice)
- ** R01CB-43883-00 Human peripheral blood mononuclear cell
- R01CB-43913-00 Support for division of cancer research resources and centers, NCI
- ** R01CB-43915-00 NCI human histocompatibility typing center
- ** R01CB-44001-00 Nature and function of immune-related cells in tumor masses
- ** R01CM-23707-05 Preparation of bulk chemicals and drugs
- ** R01CM-33732-02 Administrative and technical support services
- R01CN-33745-01 oncology group
- R01CN-33748-01 animals
- R01CN-43731-00 interaction of anticancer agents at the cellular level
- ** R01CN-23294-13 Cancer research center
- ** R01CN-35030-01 National cancer consultative programs for hospitals
- ** R01CN-35031-06 National survey of cancer control
- ** R01CN-35032-01 Demonstration of a cancer rehabilitation facility (human)
- ** R01CN-35033-01 Telephone cancer information service
- ** R01CN-45034-02 integrated cancer rehabilitation services
- R01CN-45038-00 Training of professional teams in cancer rehabilitation
- ** R01CN-45039-00 Demonstration of a cancer rehabilitation facility
- ** R01CN-45041-00 Review and evaluation of methods of public education in cancer
- R01CN-45044-00 Cancer training programs for physical/occupational therapists
- R01CN-45045-00 Cancer training programs for physical/occupational therapists
- ** R01CN-45115-00 Oncology nursing program in cancer centers
- ** R01CN-45116-00 Identification of education material resources for cancer control
- ** R01CN-45117-00 A survey of cancer control law
- ** R01CN-45121-00 Cancer training programs for physical or occupational therapists
- ** R01CN-45123-00 Oncology nursing programs in cancer centers
- R01CN-45125-00 Cancer training programs for physical or occupational therapists
- ** R01CN-45127-01 Oncology nursing programs in cancer centers
- ** R01CN-45128-01 Oncology nursing programs in cancer centers
- R01CN-45134-00 Effectiveness of cancer rehabilitation systems
- ** R01CN-45135-00 Oncology nursing programs in community hospitals
- R01CN-45136-00 Effectiveness of cancer rehabilitation systems
- ** R01CN-45144-00 Rehabilitation and continuing care
- ** R01CN-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- R01CO-35407-08 National cancer program management systems requirements
- R01CO-45056-00 Development of administrative and fiscal profiles for cancer institutes
- ** R01CO-45404-00 Publication of cancer committee books
- ** R01CO-45408-00 National cancer program-management information system
- R01CO-45417-00 Preliminary planning for a cancer access information system for the Denver regio
- ** R01CO-45419-00 Technical writing services in support of cancer related public inquiries
- R01CP-02076-14 Seroprevalence studies on nasopharyngeal carcinoma (human)
- ** R01CP-23266-03 Collection of blood specimens and solid-tumor materials (human)
- R01CP-33221-01 Maintenance of pathogen-free white leghorn chickens
- R01CP-33235-02 Establish Connecticut cancer epidemiology program

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** N01CP-33246-02 Center for epidemiologic investigation of cancer
 ** N01CP-33258-02 Replication of oncogenic RNA viruses and relation to human cancer
 N01CP-33306-01 Evaluation of methods for isolation of virus from human neoplasia
 ** N01CP-33310-02 Herpesvirus and its role in human cancer
 N01CP-33313-01 Response of peripheral blood monocytes to chemotactic factors
 ** N01CP-33325-01 Conducting cancer mortality studies
 ** N01CP-33344-03 Develop population based cancer registry
 N01CP-33350-01 Data on cancer incidence and prevalence
 ** N01CP-33351-01 Cancer incidence study and registry assessment
 ** N01CP-33353-02 Study of cancer in Japanese migrants
 N01CP-33402-03 Literature search, retrieval and compilation for PHS-149 series and indexes
 ** N01CP-43203-00 Cancer end results evaluation
 N01CP-43205-00 Abstract and code statistical data on cancer cases
 N01CP-43209-00 Viruses in cancer etiology (human, mammals nonhuman)
 N01CP-43210-00 Continuation of cancer end results project
 ** N01CP-43244-00 Human tumor cell culture and mycoplasma activity (also mammals nonhuman)
 ** N01CP-43259-00 Finnish statistical data on cancer cases
 ** N01CP-43262-00 Louisiana Tumor Registry
 N01CP-43296-00 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
 ** N01CP-43335-00 Human materials for transmissible agents in tumors
 ** N01CP-43344-00 Supply of fresh human materials from neoplastic patients
 ** N01CP-43345-00 Supply of fresh human materials from neoplastic patients
 N01CP-43351-00 Biological resources management information system support services
 N01CP-43379-00 Cervical neoplasia and human herpes simplex virus type 2
 ** N01CP-43386-00 Cancer survey in the Puerto Rico area
 ** N01CP-43392-00 Supply of blood and tissue specimens from neoplastic patients
 ** N01CP-45624-00 Conference for support
 ** N01CP-90072-08 Cancer survey in the Puerto Rico area
 P13DE-02668-08 0013 Dental research center - Immunological mechanisms (hamsters, mice, rats)
 R01DE-03553-03 Malocclusion on speech performance
 P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
 ** P10ES-00928-01 0004 Environmental agents-Relation to human health effects - Less common cancers in asbestos workers-Multipia factor etiology
 ** P10ES-00928-01 0006 Environmental agents-Relation to human health effects - Exposure to titanium dioxide-Cancer risk in humans
 ** P10ES-00928-01 0007 Environmental agents-Relation to human health effects - Cancer risk due to occupational exposure to carbon black
 P10ES-00928-01 0009 Environmental agents-Relation to human health effects - Benzpyrene metabolism in man
 ** P10ES-00928-01 0023 Environmental agents-Relation to human health effects - Asbestos lung burden in environmental mesothelioma (human)
 ** P10ES-00928-01 0026 Environmental agents-Relation to human health effects - Mesothelioma in U.S. shippers
 ** P10ES-00928-01 0027 Environmental agents-Relation to human health effects - Mesothelioma in New Jersey, 1973-1975 (human)
 R01GM-09933-12 Ultrasonics and dielectrics of biomaterial (plants, cattle, chickens, bacteria)
 P01GM-13543-09 0008 Cellular and molecular pathology - RNA transcription and cell proliferation
 P01GM-13543-09 0017 Cellular and molecular pathology - Immunological factors in response of tissues to injury
 M P01GM-14231-09 Natural history of heart, cancer, stroke in a population
 ** P01GM-14231-09 0024 Natural history of heart, cancer, stroke in a population - Appendectomy and subsequent malignancy
 P01GM-15253-08 0004 Genetics in medicine-Gene action in man - Blood, serum and enzyme population
 P01GM-15253-08 0019 Genetics in medicine-Gene action in man - Immunologic aberrations
 P01GM-15253-08 0038 Genetics in medicine-Gene action in man - Immunoclinical studies in autoimmunity in chromosomal syndromes
 P01GM-15253-08 0039 Genetics in medicine-Gene action in man - Autoimmunity and gonadal dysgenesis
 ** P01GM-15253-08 0041 Genetics in medicine-Gene action in man - Families of subjects with chromosomal abnormalities
 M R01GM-15508-07 Cell regulation and fetal proteins in neoplasia
 ** R01GM-15508-07 0002 Cell regulation and fetal proteins in neoplasia - Role of fetal protein in neoplasia (human, rats)
 P11GM-15759-08 0046 Clinical pharmacology in rheumatic and muscular diseases - Tests of oncologic potentials of anti-rheumatic and immuno-suppressive drugs
 P11GM-15956-07 0017 Factors affecting the responses to drugs - Pharmacokinetics (rats, human)
 ** P11GM-15956-07 0045 Factors affecting the responses to drugs - Tumors potentiating catecholamine-induced hypertension (rats)
 P11GM-15956-07 0047 Factors affecting the responses to drugs - Effect of malignancy on antipyrine metabolism in man
 P01GM-16492-06 0005 Design of chemotherapeutic agents - Pharmacological activities of synthetic analogues (rats, yeast, E coli)
 ** P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
 ** R01GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
 R01GM-21368-01 Role of lysosomal L-tartrate inhibitable phosphatase (rats, fungi)
 N01HB-02214-06 Studies to improve methods of platelet preservation (human)
 P01HD-03110-07 0032 Child development and mental retardation - Clinical and biochemical genetics (human)
 P01HD-05221-05 0031 Center grant in mental retardation - Toxicology and genetics (mice, hamsters, rats, primates)
 ** R01HD-05297-04 Morphogenesis in embryonic and pathological systems (chick embryo, mice)
 R01HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
 P01HM-08214-11 0021 Chemical and biological properties of lipids - Clinical studies of lipid function (human, rats)
 ** P01HM-08214-11 0036 Chemical and biological properties of lipids - Lipid metabolism in normal and neoplastic tissues (mammals)
 ** P01HM-08214-11 0038 Chemical and biological properties of lipids - Unusual lipids in cancer tissues (mammals)
 R01HS-00408-05 Improvement of methodology for clinical evaluations
 ** R01LM-02058-01 Historical study of neoplasms
 ** R01OH-00448-01 Cohort study of cancer mortality in virologists
 P07RR-00003-13 0036 Medical data processing research - Cancer status
 ** P07RR-00007-11 0286 Computer processing in biomedical systems - Clinical chest radiographs for early cancer detection
 ** M01RR-00034-14 0078 General clinical research center - Sipple syndrome, medullary thyroid Ca, pheochromocytomas (human)
 ** M01RR-00036-14 0132 General clinical research center - Secretion of prostaglandin by tumors (human)
 M01RR-00039-14 0063 General clinical research center - Abnormal orosomucoid in plasma
 M01RR-00049-13 0034 General clinical research center - Platelet survival in patients with thrombocytosis and neoplasia
 M01RR-00049-13 0036 General clinical research center - Study of adriamycin in solid tumor patients (human)
 ** M01RR-00050-13 0060 Wilson's disease - Bioactive and other antitumor agents in lymphoma and other neoplasms (human)
 ** M01RR-00051-13 0025 General clinical research center - Fibrinogen metabolism and platelet survival in cancer (human)
 M01RR-00051-13 0129 General clinical research center - Purification and estimation of cancer thrombogenic factor (human)
 M01RR-00053-13 0017 Clinical research center - Altered androgen metabolism in illness (human)
 ** M01RR-00063-12 0069 General clinical research center - 5-Azacytidine in advanced cancer (human)
 ** M01RR-00063-12 0073 General clinical research center - CCNU in lymphomas and solid tumors (human)
 ** M01RR-00063-12 0082 General clinical research center - Platinum salts for solid tumors (human)
 ** M01RR-00064-10 0017 General clinical research center - Leukemia and malignant diseases in children
 M01RR-00064-10 0053 General clinical research center - Treatment of solid tumor and lymphoma with 5-azacytidine (NSC-102816) (human)
 ** M01RR-00076-12 0087 General clinical research center - Herpes virus nucleic acids in human tumors
 ** M01RR-00080-12 0080 General clinical research center - Oral methyl CCNU in lymphomas and solid tumors (human)
 ** M01RR-00080-12 0083 General clinical research center - Vincristine, imidazole carboxamide and adriamycin in solid tumors and leukemia
 ** M01RR-00080-12 0084 General clinical research center - Treatment of solid tumors and refractory lymphomas (human)
 ** M01RR-00229-09 0060 General clinical research center - Renal handling of uric acid in malignant disease (human)
 ** M01RR-00336-08 0046 General clinical research center - Leukocyte transfusion in neoplasia and neutropenic states (human)
 ** M01RR-00425-06 0056 General clinical research center - Effect of daunorubicin on acute leukemia and solid tumors (human)
 ** M01RR-00425-06 0057 General clinical research center - Chemotherapy of disseminated malignancy (human)
 ** M01RR-00633-02 0005 General clinical research center - Effect of cancer on cholesterol metabolism (human)
 ** M01RR-00645-03 0026 Clinical research center - Biochemical, metabolic studies of leukemias, lymphomas and solid tumors (human)
 M01RR-00722-02 0025 General Clinical Research Center - Pathogenesis, Immunology, management of skin diseases and solid tumors (human)
 S01RR-05526-12 General research support (neoplasms)
 S01RR-05529-12 General research support (neoplasms)
 ** S01RR-05539-12 General research support (cancer research institute)
 S01RR-05618-08 General research support (neoplasms)
 ** S01RR-05690-04 General research support (cancer research institute)
 M01RR-00044-16 0011 - MEDICAL FOLLOW-UP STUDIES
NEOPLASMS, ABDOMINAL
 P02CA-08832-06 0118 An integrated study of advanced malignant diseases - Dosage of moving-strip 10MV x-ray abdominal radiation
 ** M01RR-00082-12 0051 General clinical research center - Postoperative assessment of abdominal sarcoma in children
 M01RR-00262-09 0004 General clinical research center - Exploratory laparotomy in staging of malignant lymphoma (human)
 ** M01RR-00865-01 0032 General clinical research center - Protection of kidney during radiation therapy for abdominal neoplasms (human)
NEOPLASMS, ADENOCARCINOMA
 SEE ALSO KIDNEY NEOPLASMS, LUCKE RENAL ADENOCARCINOMA
 SEE ALSO NEOPLASTIC CELLS, HELA CELLS
 R01AM-16596-01 Hepatic reticulum cells as surgical immune adjuvants (mice)
 R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
 R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
 R10CA-05186-14 Western cancer study group
 P02CA-06516-12 0022 Cancer center support grant-Comprehensive - Mechanism of SV40 protection (mice)
 R10CA-06800-12 Western cooperative cancer chemotherapy group
 P01CA-06927-12 0008 Biological and biochemical program in cancer research - Relationship of acid-fast organisms to growth of experimental tumors (human, mic)
 P02CA-06973-12 0029 Integrated clinical cancer research program - Cell metabolism-Prostatic growth and effects of acidic polymers (rats, mice)
 R10CA-07585-11 Western conference cancer chemotherapy group
 P01CA-08748-09 5415 Research program of Sloan-Kettering Institute - Remission of rat mammary adenocarcinomas by selected drugs
 P01CA-08748-09 5636 Research program of Sloan-Kettering Institute - Production of adenocarcinoma of the colon (mice)
 P02CA-08832-06 0101 An integrated study of advanced malignant diseases - Radiation for adenocarcinoma of the rectum (human)
 R10CA-10186-08 Western cancer study group
 ** R01CA-10286-06 Hormone dependent urogenital tumors in rodents (mammals, hamsters)
 P02CA-11051-06 0054 Clinical radiation research center - Radiopathology-cytokinesis studies of human neoplasms
 R01CA-11605-06 Immunological reactivity in special circumstances (mice)
 R01CA-11736-05 Metabolic patterns in proneoplasia and neoplasia (mice)
 R10CA-11796-05 Childrens cancer study group A
 R01CA-12076-03 Cell kinetics in irradiated tumors of different growth (mice)
 R01CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
 R10CA-12252-03 Radiation therapy oncology group
 R10CA-12260-03 Radiation therapy oncology group
 R10CA-12282-04 Central Oncology Group
 P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
 P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
 R01CA-12631-03 Immunology and immunochemistry of tumor antigens (human)
 P01CA-13095-03 0002 Virology, immunobiology and biochemistry of renal cancer - Tumor immunology (human)
 R01CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
 R01CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
 P01CA-13330-03 0007 Cancer research program - Cell kinetic studies (human, mice)
 R01CA-13678-02 Blood group substances and gastrointestinal neoplasia (human)
 P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
 R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
 R01CA-14380-02 Pancreatic ductal versus duodenal secretions (human)
 R01CA-14872-01 Embryonic components in cancer and pathologic tissues (human, rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- R26CA-14976-01 Cancer of the colon and rectum in Puerto Rico (human)
- P02CA-15145-01 0020 Cancer center support grant - Prostate-neoplastic and normal growth (human, dog)
- P02CA-15145-01 0048 Cancer center support grant - Mammary adenocarcinoma-Cell glycoprotein coat (mice, human)
- R01CA-15185-02 Establishment and use of animal lymphocyte lines (mice, rats)
- ** R01CA-15225-01 Cancer radiochemotherapy with 7-trifluorotriacetyl (rats, human)
- ** R26CA-15434-02 Antigenic stimulus in human colon carcinoma immunity
- R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
- R26CA-15639-01 Transplantable chemically induced colon cancer in rats
- R26CA-15803-01 Automation of bladder cancer cytology by TICAS (human)
- P01CA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinoma (human, hamsters)
- R01CA-16014-01 Preclinical evaluation of uricetin (mice)
- R01CA-16065-01 Chemical carcinogenesis in the colon (mice)
- R26CA-16077-01 Drug development for prostatic carcinoma (human, hamsters)
- P01CA-16127-01 0023 Cancer Research and Treatment Center Program - Pi meson radiotherapy of esophagus carcinoma (human)
- P01CA-16127-01 0029 Cancer Research and Treatment Center Program - Pi meson radiotherapy of adenocarcinoma of the pancreas
- P01CA-16127-01 0031 Cancer Research and Treatment Center Program - Pi meson radiotherapy of rectum adenocarcinoma
- P01CA-16127-01 0032 Cancer Research and Treatment Center Program - Pi meson radiotherapy of stomach adenocarcinoma
- P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- P01CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)
- P01CA-16247-01 0007 Immunologic aspects of cancer - Development of a radio-immunoassay (mice)
- P01CA-16359-01 0057 Cancer center support grant - Epidemiology of esophagus and kidney cancer
- P01CA-16359-01 0059 Cancer center support grant - Medical oncology
- R26CA-16371-01 Evaluation stimulation of colon cancer (human)
- R26CA-16373-01 Tissue culture of colon cancer-Human immunity (also mice)
- R26CA-16426-01 Antigenic components of human prostatic adenocarcinoma (mice)
- R26CA-16724-01 Familial polyposis-A clinical and immunological study
- NO1CB-33910-02 Biochemical means by which effector molecules bind to mammary cell (human)
- NO1CB-43891-00 Animal models for circulating tumor associated antigens (Holtzman rats)
- NO1CB-43914-00 Predictable transplantable mammary tumor model (animals)
- NO1CM-02066-08 Investigation of new drugs on treatment of gastrointestinal cancers (human)
- NO1CN-45122-00 Incidence and natural history of genital tract anomalies and cancer
- NO1CP-22046-02 Isolation and chemical characterization of specific antigens (human, goats)
- ** NO1CP-23284-03 Enhanced induction of guinea pig pancreatic adenocarcinoma
- ** NO1CP-23287-02 Induction of adenocarcinoma of the prostate
- NO1CP-33359-01 Procuring fibroblast cultures and human tumors
- ** NO1CP-43232-00 Site of origin of human pancreatic adenocarcinoma
- P13DE-02731-08 0006 Development support for dental research institute - Dental research experimental pathology (human, rats, mice, rabbits)
- P01GM-15253-08 0046 Genetics in medicine-Gene action in man - SV40 transformation of fibroblasts from subjects at risk to develop malignancy
- R01OH-00342-04 Effects of environmental pollutants in rodents (rats)
- MO1RR-00050-13 0047 Wilson's disease - Therapy of lung cancer (human)
- NEOPLASMS, ADENOFIBROMA**
- R01CA-13028-03 Identification of breast cancer isoenzymes (human)
- NEOPLASMS, ADENOMA**
- P02AM-08657-10 0001 Clinical metabolic research unit - Mechanisms regulating adrenal secretion in man
- R01AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
- R01AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- R01CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
- P02CA-11051-06 0029 Clinical radiation research center - Evaluation of pituitary adenoma irradiation (human)
- R26CA-15639-01 Transplantable chemically induced colon cancer in rats
- P01CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)
- P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- P17HL-14242-04 0004 Specialized center of research in hypertension - Renomedullary antihypertensive function and renomedullary lipid (rats, rabbits)
- R23HL-17161-01 Hormone-mediated differentiation of mouse lung cells
- PO1NS-11642-01 0015 Basic and clinical neuroendocrinology - Hormonal secretion in human pituitary cell culture
- ** MO1RR-00030-13 0031 General clinical research center - Genetic and metabolic nature of multiple endocrine adenomas (human)
- MO1RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- MO1RR-00034-14 0087 General clinical research center - Relationship of multiple adenomas to GI pathology (human)
- ** MO1RR-00049-13 0025 General clinical research center - Case study-Multiple endocrine adenomatosis (human)
- ** MO1RR-00073-12 0024 General clinical research center - Families with multiple endocrine adenomatosis
- MO1RR-00079-12 0100 General clinical research center - Use of streptozotocin in endocrine adenomatosis (human)
- MO1RR-00083-12 0004 General clinical research center - Localization of aldosterone-producing adenoma (human)
- MO1RR-00083-12 0039 General clinical research center - Period following removal of aldosterone producing adenoma (human)
- ** MO1RR-00095-14 0065 General clinical research center - Family with multiple adenomatosis
- MO1RR-00211-10 0039 General clinical research center - Clinical and biochemical studies of patients with islet cell adenoma
- NEOPLASMS, ASCITES TUMORS**
- SEE ALSO NEOPLASMS, CARCINOMA, EHRLICH TUMOR
- P02AJ-06320-10 0010 Transplantation immunology center - Splenic influence in tumor immunity (mice)
- R01AM-08823-10 Biosynthetic processes in mitochondria (yeast, ascites tumor, cattle)
- R01AM-16865-02 Isolation of proinsulin mRNA (hamsters)
- ** P02CA-05826-13 0044 Clinical cancer research center - Medical and metabolic studies-malignant ascites
- P01CA-06927-12 0022 Biological and biochemical program in cancer research - Nature and properties of aminopeptidases and dipeptidases (rabbits, mice)
- ** P01CA-06927-12 0025 Biological and biochemical program in cancer research - Glycolysis in human red blood cells and rat ascites tumor cells
- ** P01CA-06927-12 0031 Biological and biochemical program in cancer research - Regulation of intermediary metabolism in neoplastic cells (mice)
- P01CA-08748-09 5409 Research program of Sloan-Kettering Institute - Effect of adrenergic agonists on growth and DNA synthesis in taper liver (mice)
- P01CA-08748-09 5733 Research program of Sloan-Kettering Institute - Nicotinamide adenine dinucleotide glycohydrolase (mice)
- P01CA-08748-09 5734 Research program of Sloan-Kettering Institute - NAD- pyrophosphorylase activity and ATP synthesis (mice)
- P01CA-08748-09 5741 Research program of Sloan-Kettering Institute - Effects of bacterial NADase on Ehrlich ascites cells
- P02CA-10438-08 0034 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (mice)
- R01CA-10641-08 RNA synthesis in animal cells infected with ME virus
- R01CA-10735-07 Population kinetics of tumors in vivo
- P01CA-10748-07 0006 Cancer chemotherapy program - Effects of nucleotides and analogs on IMP dehydrogenase (rats, dogs, human)
- P01CA-10815-06 0020 Consolidated basic cancer research program - Enhancement of lymphoblast tumor growth in DBA/2 mice
- R01CA-11186-06 Asparagine transport in normal and neoplastic cells (human, bacteria, mice)
- R01CA-11853-03 Polycytidylate polymerase from tumor cells (mice)
- P01CA-12174-04 0026 Growth and cell control processes - Control mechanisms concerned with chromosome replications (animals)
- R01CA-12301-03 Ribonucleoprotein particles of the cell nucleus (rats)
- P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- R01CA-12504-04 Suppression of malignancy in cell hybrids (mice)
- R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
- ** R01CA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
- R01CA-12920-03 Molecular basis of intercellular adhesion (mice, chick embryo)
- P02CA-13148-03 0042 Pilot cancer center - Mechanisms of rejection and immunologic enhancement
- R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- ** R01CA-13271-06 Automated cancer cell diagnosis by the TICAS method
- R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
- R01CA-13596-03 Directed protein synthesis in mammalian cells (rabbits, mice, HeLa cells)
- ** R01CA-13610-02 Control of the adenine nucleotides in ascites tumors
- R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
- R01CA-14030-02 Regulation of metabolism by purine interconverters (rats, mice)
- ** R01CA-14049-02 Cell-mediated immunity to ascites tumors (mice)
- R01CA-14078-02 Development of new anticancer agents (mice, rats)
- R01CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
- P01CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
- R01CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
- R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
- R01CA-14713-02 Adrenal cyclase in normal and cancer cells (mammals)
- P01CA-14723-02 0003 Experimental cancer immunology - Specific histocompatibility linked IR genes on specific tumor immunity (mice)
- R01CA-14854-01 Cancer cell surface glycoproteins (mice, human)
- R01CA-15086-01 Nuclear synthesis and modification of RNA (rats)
- ** R01CA-15735-01 Metabolism and reducing equivalents in ascites tumor (mice)
- R01CA-16253-01 Respiratory inhibitors as antineoplastic agents
- NO1CB-43858-00 Nature of interactions between tumor cells and immunoglobins
- NO1CB-44005-03 Biochemistry of normal and tumor-cell surface antigens
- NO1CM-12188-04 Biochemical screening for anti-cancer agents (mammals)
- NO1CM-43718-00 Development of an in vivo method for the precise enumeration of tumor cells
- NO1CM-43730-00 Cancer chemotherapeutic drugs and in-vivo cell population
- P11GM-15477-08 0006 Drug metabolism and biochemical pharmacology - Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice)
- R01GM-16501-06 Computer modeling of cardiac and hepatic metabolism (rats, mice)
- R01GM-17973-04 Role of nucleic acids in cell differentiation (mice, rats, rabbits, E coli)
- P01GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)
- R01GM-19481-02 Gene transfer in cultured mammalian cells (human, mice)
- R01GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
- R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
- R01HL-14781-03 Lipid deposition in mammalian cells (human)
- R01NS-10546-08 Brain and tumor phosphotransferases (cattle, mice)
- NEOPLASMS, CARCINOMA**
- SEE ALSO LIVER NEOPLASMS, HEPATOMA
- SEE ALSO NEOPLASMS, ADENOCARCINOMA
- SEE ALSO NEOPLASTIC CELLS, KB CELLS
- SEE ALSO RESPIRATORY NEOPLASMS, LUNG NEOPLASMS, BRONCHOGENIC CARCINOMA
- SEE ALSO RESPIRATORY NEOPLASMS, OAT CELL CARCINOMA
- R01AM-04899-14 Action of adrenocorticotropic (mice)
- R01AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
- R01AM-10558-09 0015 Peptide hormones affecting calcium metabolism - Pentagastrin test for medullary thyroid carcinoma (human)
- R01AM-15663-03 Basement membrane-Structure, function, pathology (mice)
- ** R01AM-16638-02 Studies of uremia and exchanges of ions and water
- R01AM-16729-01 Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs)
- R01AM-16769-02 Control and action of cyclic AMP (beets, rats, dogs)
- R01AM-16781-02 Ferritin synthesis in normal and malignant cells (rats, human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-02332-20 0006 Clinical and laboratory studies of normal and abnormal growth - Molecular hybridization (mammals)
- R01CA-02478-20 Chemotherapy of cancer-Experimental and clinical
- R10CA-03359-17 Cooperative breast cancer group
- R10CA-03360-17 Cooperative breast cancer group
- R10CA-03364-17 Cooperative breast cancer group
- R10CA-03764-16 Cooperative breast cancer group
- R10CA-04326-16 Acute leukemia group B
- R01CA-06145-13 0006 Chemotherapy of intracranial neoplasms - Transplantation of brain tumor cells (mice, hamsters)
- P02CA-06518-11 0032 Radiation and radiobiology research center - Invasive carcinoma of the cervix (human)
- P02CA-06519-12 0043 Radiation therapy and biology research program - Preoperative radiation in carcinoma of the rectum (human)
- P02CA-06519-12 0056 Radiation therapy and biology research program - Radiation therapy for carcinoma of cervix
- P02CA-06519-12 0092 Radiation therapy and biology research program - Radio- and chemotherapy for carcinoma of pancreas
- ** P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- P01CA-07304-11 0017 Steroid hormone production and metabolism in cancer - Estrogen biosynthesis in feminizing adrenal carcinoma
- ** R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
- ** R01CA-08518-07 0004 Lysosomal enzymes in x-irradiated tumor cells - Hormonally-induced involution of prostatic cells (rats)
- R10CA-10186-08 Western cancer study group
- R01CA-10537-05 RES function, tumor induction and growth (mice)
- R01CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
- P02CA-10895-06 0003 Adult leukemia research center - High dose cyclophosphamide therapy (human)
- R01CA-10978-06 Enzyme control mechanisms in chemical carcinogenesis (mice, rats)
- ** P02CA-11051-06 0045 Clinical radiation research center - Radiation pathology-Carcinoma response to x-rays (hamsters)
- P02CA-11051-06 0047 Clinical radiation research center - Radiation pathology-Vasculature in cheek pouch chamber (hamsters)
- P02CA-11051-06 0048 Clinical radiation research center - Radiation pathology-Tumor microvasculature response (hamsters)
- P02CA-11051-06 0052 Clinical radiation research center - Radiation pathology-Pulmonary irradiation and metastasis (mice)
- P02CA-11265-05 0032 General clinical cancer research center - Cryosurgery for cervical cancer
- R01CA-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
- P02CA-11911-04 0011 Clinical cancer center - Five-fluorouracil, bis(chloroethyl)nitrosourea in gastric and pancreatic carcinoma
- ** R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
- ** P02CA-12178-04 0002 Radiotherapy-oncology center - Combined surgery, chemotherapy and radiotherapy in ovarian carcinoma
- ** P02CA-12178-04 0003 Radiotherapy-oncology center - Carcinoma of endometrium
- ** P02CA-12178-04 0004 Radiotherapy-oncology center - Carcinoma of the cervix
- ** P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
- R10CA-12252-03 Radiation therapy oncology group
- R10CA-12279-04 Central oncology group
- R01CA-12336-04 Embryonal tumors (mice, calves, human)
- ** P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- P01CA-12662-03 0012 Cancer research center - Murine ovarian carcinoma
- R01CA-12686-02 Differentiation during progression to malignancy (rabbits)
- ** P02CA-12924-03 0031 Tufts cancer research center - Medullary carcinoma of the thyroid
- R01CA-13028-03 Identification of breast cancer isoenzymes (human)
- P01CA-13038-03 0038 Experimental therapeutics and cancer drug program - Antitumor activity of new drugs and combinations
- ** R01CA-13041-02 Lymphocyte metabolism in cancer patients
- R01CA-13077-03 CEA characterization and radioimmunoassay (human, mammals nonhuman)
- R01CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)
- R01CA-13186-02 Chemical blockade of iodine-Mammary gland responses (rats)
- ** R01CA-13223-02 Endocrine metabolic influence in endometrial carcinoma (human)
- R01CA-13246-03 Interaction of anticancer drugs with macromolecules (human, hamsters)
- R01CA-13288-01 Carcinogen potential of the pyrrolizidine alkaloids
- R01CA-13289-02 Role of regional lymph nodes in cancer surgery (human)
- P01CA-13330-03 0011 Cancer research program - Studies in radiotherapy (human)
- R01CA-13336-02 Proliferative abnormalities in carcinoma of colon (human)
- R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
- ** R01CA-13447-02 Circulating thyroidal proteins in thyroid carcinoma (human)
- ** R01CA-13453-03 Antigens from human cancer tissue
- R01CA-13777-02 Potential of ergot alkaloids in control of breast cancer (mice, rats)
- R10CA-13887-02 Gynecologic oncology group
- R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- R01CA-13915-02 Liver cell differentiation and carcinogenesis (rats)
- R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- P01CA-14043-01 0006 Radiation therapy clinical and research center - Immunology of primary murine tumors
- R26CA-14135-02 Immunology of bladder tumors (human, rats)
- ** R26CA-14136-02 Cytopathology of urinary bladder carcinoma (human)
- R01CA-14296-02 Androgen-estrogen production rates in breast cancer (human)
- R01CA-14447-02 Cell membrane interrelationships in human cancer (and mice)
- ** R10CA-14571-02 Surgical adjuvant renal cell carcinoma (human)
- R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- R01CA-14705-01 Radioiodine uptake and imaging in the bladder (human)
- R01CA-14904-02 The role of the hyperplastic liver nodule in carcinogenesis (rats)
- ** R26CA-14924-02 Immunity to colonic carcinomas in rats and man
- R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer
- ** R01CA-14991-02 Renewal of premalignant and malignant intestinal cells (human, hamsters)
- R01CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
- R26CA-15107-02 Chemotherapy for national prostatic cancer project (human)
- ** R26CA-15108-02 Chemotherapy of advanced prostatic cancer (human)
- R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
- P02CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems
- P02CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)
- P02CA-15145-01 0030 Cancer center support grant - Thrombotic diathesis in cancer patients
- R26CA-15263-01 Immune status of gastrointestinal tumor-Colon (human)
- ** R26CA-15284-02 Chemotherapy for patients with prostatic cancer
- ** R13CA-15298-01 Radiation and host immune defense mechanisms in malignancy (Arizona)
- ** R26CA-15407-02 Chemotherapy of prostatic cancer
- ** R26CA-15417-02 Viruses and virus-like particles in prostatic tumors (human)
- R26CA-15438-02 Oncogenic viruses in human prostate cancer
- R26CA-15442-01 Specificity of cell membrane antigens in prostatic cancer (human, rodents)
- R26CA-15448-01 Characterization of prostatic carcinoma among blacks
- ** R26CA-15479-02 LDH isozymes and chromosomes in bladder carcinoma (rats, human)
- R26CA-15502-01 Virogen in prostatic tissue and fluids (human)
- R01CA-15556-01 Antigens and immunity in bronchogenic carcinoma (human)
- ** R01CA-15648-01 Steroid dynamics in human, endometrial cancer (human)
- P02CA-15688-01 0015 Program in medical oncology - Adjuvant chemotherapy, carcinoma of the breast
- R01CA-15691-01 Immunotherapy in lung carcinoma with autologous tumor (mice, human)
- ** R01CA-15775-01 Epigenetic processes in thyroid carcinoma (human, rats)
- R01CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
- ** R01CA-15796-01 Steroid hormonal effects on renal carcinoma (hamsters)
- R26CA-15803-01 Automation of bladder cancer cytology by TICAS (human)
- R26CA-15804-01 Histological grading of prostatic carcinoma (human)
- P01CA-16038-01 0006 Program on the molecular basis of viral transformation - Host and viral factors in oncogenesis by EB virus (human, mammals)
- P01CA-16127-01 0013 Cancer Research and Treatment Center Program - Immune function in gastritis and gastric carcinoma
- P01CA-16127-01 0022 Cancer Research and Treatment Center Program - Pi meson radiotherapy of uterine cervix carcinoma (human)
- P01CA-16127-01 0030 Cancer Research and Treatment Center Program - Pi meson radiotherapy of prostate carcinoma
- R01CA-16342-01 Immunoprophylaxis and immunotherapy of lung cancer
- P01CA-16359-01 0035 Cancer center support grant - Effects of chronic graft-versus-host disease (mice)
- P01CA-16359-01 0057 Cancer center support grant - Epidemiology of esophagus and kidney cancer
- P01CA-16359-01 0060 Cancer center support grant - Diagnostic radiology-Lung carcinoma protocol (human, dogs)
- R18CA-16400-01 0001 Cancer control development grant - Screening (human)
- R18CA-16401-01 0005 University of Chicago cancer control center - Hormonal screening for endometrial carcinoma
- M R18CA-16405-01 Development of regional cancer control program
- R18CA-16405-01 0005 Development of regional cancer control program - WCCC regional program facilities and communication network
- R26CA-16430-01 Carcinoma of the prostate (human)
- R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
- R26CA-16736-01 Enzymes in diagnosis and staging of prostatic cancer (human)
- R26CA-16764-01 Carcinoma of the colon (human)
- ** R26CA-16769-01 CEA in urogenital carcinomas (human)
- ** R26CA-16886-01 National bladder cancer collaborative group A (human)
- R01CA-16898-01 Activated lymphocytes for immunotherapy of neoplasms (human)
- ** R26CA-16899-01 Evaluation of management of patients with bladder carcinoma
- R13CA-16917-01 USA-USSE comprehensive cancer center conference
- N01CB-23854-02 Usefulness of carcinoembryonic antigen in diagnosis of bowel carcinoma
- ** N01CB-23864-02 The prevention of metastasis in mammary cancer (rats)
- N01CB-33865-01 Experimental systems for carcinoembryonic antigen (hamsters)
- N01CB-43853-00 Assays for immune depression in cancer patients
- N01CB-43860-00 Development of immunodiagnostic tests for cancer
- ** N01CB-43871-00 Fibrocystic disease of the female breast and mammary carcinoma
- ** N01CB-43882-00 Antibodies to carcinoma in experimental animals
- N01CB-43893-00 Migration inhibition assays (mice, human)
- N01CB-43903-00 Hormone markers for the detection and diagnosis of cancer (human)
- N01CB-43904-00 Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman)
- N01CB-43916-00 Hormone therapy plus chemotherapy in patients with breast cancer
- ** N01CB-43917-00 Therapy of carcinoma of the breast (human)
- N01CB-43921-00 Human tumor associated antigens and corresponding antibodies
- N01CB-43953-00 Immunofluorescent techniques of antibodies against autologous human tumor cells
- N01CB-43958-00 New human tumor associated antigens of the GI tract
- ** N01CB-43962-00 Staining gynecologic cytopathologic specimens (human)
- N01CB-43967-00 Hapten treatment of cancer (rats)
- ** N01CB-43990-00 Therapy of carcinoma of breast (human)
- N01CM-12185-05 Research on carcinoma of the breast (human)
- N01CM-33725-02 Exocrine and endocrine function in carcinoma of the pancreas
- ** N01CM-43714-00 Therapy of patients with testicular carcinoma
- N01CM-43715-00 Therapy of patients with testicular carcinoma
- N01CM-43716-00 Therapy of patients with testicular carcinoma
- ** N01CM-43782-00 Therapy of patients with gastric carcinoma
- ** N01CM-43783-00 Therapy of patients with gastric carcinoma
- ** N01CM-43795-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43797-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43798-00 Therapy of patients with pancreatic carcinoma (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** N01CM-43799-00 Therapy of patients with pancreatic carcinoma
 N01CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
 N01CM-45050-00 Cancer training programs for physical and/or occupational therapists
 ** N01CM-45052-00 Demonstration of cancer rehabilitation facilities and/or departments
 N01CM-45118-00 Integrated cancer rehabilitation services
 ** N01CP-02076-14 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
 N01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)
 N01CP-33345-01 Herpesvirus antigens and viruses in human cervix carcinoma
 N01CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
 ** N01CP-43290-00 Mucosal-associated microorganisms and their relationship to cancer (human)
 ** N01CP-43296-00 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
 ** N01CP-43309-00 Screening method to determine smoking hazards (human)
 N01CP-43370-00 Immunological studies on breast carcinoma (human, mice)
 R23DE-03875-01 Membrane-coating granules-isolation and biochemistry
 P01GM-14231-09 0025 Natural history of heart, cancer, stroke in a population - Carcinoma of kidney and ureter
 ** P01GM-14231-09 0026 Natural history of heart, cancer, stroke in a population - Carcinoma of urinary bladder
 ** P01GM-14231-09 0027 Natural history of heart, cancer, stroke in a population - Pancreatic carcinoma
 P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
 R01HD-04753-05 Factors in youth predisposing to chronic diseases
 P01HD-05797-04 0020 Population and reproductive biology - Macromolecular conformation in collagen (human, mice)
 N01HD-42850-01 Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human)
 N01HY-51003-13 Data collection in clinical pathology and morbid anatomy
 R01OH-00525-01 Association of leukemia with agriculture occupation
 M01RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
 ** M01RR-00050-13 0056 Wilson's disease - Treatment in patients with metastatic carcinoma of colon and rectum (human)
 ** M01RR-00063-12 0088 General clinical research center - Methotrexate with folic acid for epidermoid carcinoma of neck and head (human)
 P07RR-00259-08 0092 Computational research center program - Statistical research (human)
 M01RR-00334-08 0013 General clinical research center - Adrenalectomy and hypophysectomy in breast carcinoma
 M01RR-00334-08 0014 General clinical research center - Effect of hormones on estrogen receptor activity in tissue culture (human)
 M01RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)
 M01RR-00722-02 0041 General Clinical Research Center - Out-patient studies of patients with medullary carcinoma of thyroid gland
 M01RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
NEOPLASMS, CARCINOMA, EHRLICH TUMOR
 R01CA-02568-20 0001 Free amino acids in normal and neoplastic tissues - Nitrogen metabolism of tumor cells
 R01CA-02568-20 0002 Free amino acids in normal and neoplastic tissues - Cells in tissue culture (hamsters)
 R01CA-02568-20 0003 Free amino acids in normal and neoplastic tissues - Imidazole compounds (ocean fish, mice)
 ** R01CA-02568-20 0004 Free amino acids in normal and neoplastic tissues - Tumor therapy (mice)
 R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
 ** R01CA-05295-14 0001 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA biosynthesis (mice)
 ** R01CA-05295-14 0003 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on RNA biosynthesis (mice)
 ** R01CA-05295-14 0004 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on membrane systems (mice)
 ** R01CA-05295-14 0005 Chemical basis of nitrogen mustard activity - CIS-PT II complexes (mice)
 R01CA-05295-14 0006 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on repair mechanisms in sensitive and resistant cells
 R01CA-06734-12 Mechanisms of solute transport in animal cells (rats)
 P01CA-06927-12 0030 Biological and biochemical program in cancer research - Factors involved in spontaneous tumors (mice)
 R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells

- P01CA-08748-09 5407 Research program of Sloan-Kettering Institute - Effect of natural products on cancer growth (mice)
 P01CA-08748-09 5555 Research program of Sloan-Kettering Institute - Distribution of injected Sc-47 in mice
 P01CA-08748-09 5733 Research program of Sloan-Kettering Institute - Nicotinamide adenine dinucleotide glycohydrolase (mice)
 P01CA-08748-09 5734 Research program of Sloan-Kettering Institute - NAD-pyrophosphatase activity and ATP synthesis (mice)
 ** P01CA-08748-09 5741 Research program of Sloan-Kettering Institute - Effects of bacterial NADase on Ehrlich ascites cells
 P01CA-08748-09 6305 Research program of Sloan-Kettering Institute - Colloidal phosphorus and gold in treating ascitic tumors in mice
 R01CA-10735-07 Population kinetics of tumors in vivo
 ** R01CA-10917-06 Phosphate transport and metabolism in carcinoma cells (mice)
 R01CA-11811-09 Pharmacology of derivatives of natural compounds (mice, rats)
 R01CA-12084-03 B12 analogues as chemotherapeutic agents
 R01CA-12504-04 Suppression of malignancy in cell hybrids (mice)
 R01CA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
 R01CA-12791-03 Pharmacology of platinum compounds (mice)
 P02CA-13148-03 0049 Pilot cancer center - Engineering biophysics core facility
 R01CA-13449-02 Antitumor components from animal venoms (mice)
 R01CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
 R01CA-14405-02 Mechanism of anti-tumor effects of poly nucleotides
 R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer
 R01CA-14445-02 Carcinostatic treatment according to spectrum of rhythms(mice)
 P01CA-14599-01 0013 University of Chicago Cancer Research Center - Ribonucleoprotein complexes in cell nuclei (mice)
 P02CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems
 P01CA-15655-01 0007 Cancer center support grant - Chemotherapy of Rauscher leukemia and transplanted tumors (mice)
 R01CA-16253-01 Respiratory inhibitors as antineoplastic agents
 ** R01CA-16904-01 Microbial metabolite inhibition of tumor B12 binding (tissue culture)
 R01CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
 R01GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)
 R01HD-06538-03 Carbamyl enzymes and differentiation (bacteria, rats)
 ** R01HL-14781-03 Lipid deposition in mammalian cells (human)
 R01HL-15991-01 Evaluation of heart stimulants in sea anemones

NEOPLASMS, CARCINOMA 256, WALKER

- ** R01CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
 P01CA-08748-09 5402 Research program of Sloan-Kettering Institute - Protein-lipid complexes of protolepid type in malignancy (human, rats, mice)
 P01CA-08748-09 5407 Research program of Sloan-Kettering Institute - Effect of natural products on cancer growth (mice)
 P01CA-08748-09 7412 Research program of Sloan-Kettering Institute - Inhibition of proteins biosynthesis by catabolizing enzyme (mice, rats)
 P02CA-08832-08 0113 An integrated study of advanced malignant diseases - Early vascular changes in x-irradiated Walker carcinoma 256 in rats
 P01CA-11491-05 0001 Irradiation and tissue-localization response - Relationship of interferon induction to growth and metastases (rats, mice)
 R01CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
 P02CA-12197-03 0021 Multidisciplinary oncology research center - Drug research laboratories objectives and requirements
 P01CA-13038-03 0049 Experimental therapeutics and cancer drug program - Drug metabolism in tumor-bearing animals
 R01CA-13353-02 Vascularity and reoxygenation in x-irradiated tumors (rats)
 P02CA-13943-02 0012 Clinical pharmacology immunology cancer research center - Animal tumor studies and toxicology (mice, rats)
 R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
 ** P01CA-14043-01 0012 Radiation therapy clinical and research center - Tumor model for evaluating dose-time relationships

- R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer

NEOPLASMS, CARCINOMA BASAL CELL

- R01AM-12129-07 0002 Collagenases and collagen remodeling - Collagenase and its relation to neoplasia (rats)
 R01AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
 P01CA-11536-05 0012 Cell control in integumental cancer - Malignant cell behavior and morphology (mice)
 R01CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
 P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)

NEOPLASMS, CARCINOMA BASOSQUAMOUS

- R01CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)

NEOPLASMS, CARCINOMA EPIDERMAL

- SEE ALSO NEOPLASTIC CELLS, WSH CELLS
 SEE ALSO SKIN NEOPLASMS, PAPILLOMA SHOPE
 R01AM-12129-07 0002 Collagenases and collagen remodeling - Collagenase and its relation to neoplasia (rats)
 R01AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
 R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
 ** P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
 ** P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
 ** P02CA-06519-12 0090 Radiation therapy and biology research program - Treatment of advanced epidermoid carcinoma of head and neck
 R10CA-10186-08 Western cancer study group
 R01CA-10844-06 Comparative histogenesis of hair and squamate skin (reptiles, cyclostomes, mice)
 R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
 R01CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
 P02CA-12247-03 0037 Pediatric oncology center - Radiation responses of spontaneous oncology (dogs)
 R10CA-12252-03 Radiation therapy oncology group
 R10CA-12282-04 Central Oncology Group
 R01CA-13001-02 Characterization of anti-tumor principles from plants
 ** R01CA-13007-03 Human wart virus as an oncogenic agent
 R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
 R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
 R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
 R10CA-15578-01 Southeastern Cancer Study Group
 R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
 R01CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)
 P01CA-15820-01 0004 Comparative Oncology Research Program - Therapeutic studies-Radiation dose response assays
 R01CA-15857-01 Clinical chemotherapy and pharmacology
 P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
 P01CA-16127-01 0022 Cancer Research and Treatment Center Program - Pi meson radiotherapy of uterine cervix carcinoma (human)
 P01CA-16127-01 0023 Cancer Research and Treatment Center Program - Pi meson radiotherapy of esophagus carcinoma (human)
 P01CA-16127-01 0024 Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
 P01CA-16127-01 0025 Cancer Research and Treatment Center Program - Pi meson radiotherapy of hypopharynx carcinoma (human)
 P01CA-16127-01 0027 Cancer Research and Treatment Center Program - Pi meson radiotherapy or oropharynx epidermoid carcinoma
 P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
 N01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
 P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (hamsters)
 P13DE-02731-08 0006 Development support for dental research institute - Dental research experimental pathology (human, rats, mice, rabbits)
 P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
 R01EY-00891-03 Treatment of intraocular tumors (human, cattle)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01EY-01294-01 Experimental cryotherapy of ophthalmic malignancies (cattle)
 R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
 M01RR-00050-13 0047 Wilson's disease - Therapy of lung cancer (human)
 ** M01RR-00034-08 0016 General clinical research center - Bleomycin and bleomycin-CMU cancer chemotherapy
 M01RR-00065-01 0024 General clinical research center - Intra-arterial chemotherapy infusion for carcinoma of cervix (human)

NEOPLASMS, CELLULAR LEVEL STUDIES

- SEE ALSO NEOPLASMS, MOLECULAR LEVEL STUDIES
 P02CA-15145-01 0001 Cancer center support grant - Studies on glycoproteins and cell surface antigens
 P02CA-15145-01 0035 Cancer center support grant - Radiation therapy-radiation oncology component
 P01CA-15655-01 0001 Cancer center support grant - Immunological model of Marek's disease (chickens)
 P01CA-15655-01 0002 Cancer center support grant - Cellular level of immunosuppression (mice)
 P01CA-15655-01 0012 Cancer center support grant - Molecular and cell biology
 R01CA-15716-01 Genetic studies of RNA tumor viruses (birds, chick embryo)
 P01CA-16359-01 0001 Cancer center support grant - Disaggregation of solid tissues using electronic cell sorter (mice, animals)
 P01CA-16359-01 0002 Cancer center support grant - Isolation of lymphocytes using electronic cell sorter
 P01CA-16359-01 0003 Cancer center support grant - Isolation of T and B lymphocytes using electronic cell sorter
 P01CA-16359-01 0004 Cancer center support grant - Genetic control of cell membrane antigen expression
 P01CA-16359-01 0011 Cancer center support grant - Photosensitization of enzymes concerned with the biosynthesis of DNA
 R01CA-17049-01 Recognition of tumor cells by T lymphocytes (mice, chickens)
 R01CA-17050-01 Glycoprotein agglutinins of normal and transformed cells (mice)
 N01CB-43932-00 Mechanisms for cell-mediated destruction of tumor cells
 ** N01CM-43731-00 Interaction of anticancer agents at the cellular level

NEOPLASMS, CHOLESTEATOMA

- ** P01AM-03564-15 0009 Mesenchymal tissues and their diseases - Collagenase in human cholesteatoma
 ** R01NS-10608-02 Pathogenesis and bone resorption in aural cholesteatoma (human, guinea pigs)

NEOPLASMS, EMBRYONIC

- SEE ALSO CONGENITAL ABNORMALITIES, SKIN, NEVUS
 SEE ALSO KIDNEY NEOPLASMS, NEPHROBLASTOMA
 SEE ALSO NEOPLASMS, ENDOMETRIOSIS
 SEE ALSO NEOPLASMS, HAMARTOMA
 SEE ALSO PREGNANCY, PLACENTAL NEOPLASMS
 SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS, GERM CELL NEOPLASMS
 ** R01CA-12336-04 Embryonal tumors (mice, calves, human)
 P01CA-15823-01 0001 Program in developmental biology of cancer - Developmental studies of transformed cells
 R01CA-15857-01 Clinical chemotherapy and pharmacology

NEOPLASMS, EMBRYONIC, CHORDOMA

- R01HD-05297-04 Morphogenesis in embryonic and pathological systems (chick embryo, mice)

NEOPLASMS, EMBRYONIC, CRANIOPHARYNGEOMA

- ** M01RR-00084-12 0038 General clinical research center - children - Prolactin and somatomedin in hypopituitarism after surgery for craniopharyngioma
 M01RR-00086-12 0004 General clinical research center - children - Effect of human growth hormone on hypopituitary dwarfs

NEOPLASMS, EMBRYONIC, TERATOMA

- ** R01AI-09288-05 Subcellular components of bacterial and animal cells (mice)
 ** R01CA-02662-19 Investigations on teratocarcinogenesis (mice)
 P02CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
 ** P02CA-08832-08 0107 An integrated study of advanced malignant diseases - Cell-mediated immunity in malignant teratoma (human)
 R10CA-10186-08 Western cancer study group
 R10CA-11075-06 Childrens cancer study group A
 R10CA-11796-05 Childrens cancer study group A
 ** P02CA-12247-03 0024 Pediatric oncology center - Germinal tumors of the gonads, pineal and sacrococcygeum (human, mice)
 R10CA-12478-04 Gynecologic oncology group
 ** R01CA-13548-02 Controlled differentiation of tumor cells (mice)
 ** R01CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)

- R01CA-14676-01 Regulation of cancer cell development (mice)
 ** P01CA-15823-01 0001 Program in developmental biology of cancer - Developmental studies of transformed cells
 R01ES-00677-03 Methyl mercury teratogenesis (mice, monkeys)
 R23EY-01360-01 Teratogenic induction of coloboma (humans)
 R01HD-01646-15 Gene control of mammalian development and disease (mice)
 P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 ** R01HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)

NEOPLASMS, ENDOMETRIOSIS

- R01CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)
 R01CA-15648-01 Steroid dynamics in human, endometrial cancer (human)
 R18CA-16400-01 0001 Cancer control development grant - Screening (human)
 P01GM-13901-08 0004 Analytical biochemistry for human studies - Mass spectrometry of prostaglandins (human)
 ** M01RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia

NEOPLASMS, EPITHELIOMA

- SEE ALSO NEOPLASMS, CARCINOMA
 ** R01CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
 ** R01CA-12109-04 0005 Trophoblastic disease - Albert Mathieu chorionepithelioma registry
 ** R01CA-12109-04 0008 Trophoblastic disease - HLA markers in chorionepithelioma
 R01CA-12710-03 Relation of bloodgroup and human tumor-antigens
 R01CA-14447-02 Cell membrane interrelationships in human cancer (and mice)

NEOPLASMS, FIBROMA

- SEE ALSO NERVOUS NEOPLASMS, NEUROFIBROMA
 SEE ALSO VIRUSES, POXVIRUSES, FIBROMA VIRUS
 SEE ALSO VIRUSES, POXVIRUSES, SHOPE FIBROMA VIRUS
 R01CA-13028-03 Identification of breast cancer isoenzymes (human)
 ** N01CB-43871-00 Fibrocystic disease of the female breast and mammary carcinoma

NEOPLASMS, FIBROSARCOMA

- P01AI-11378-02 0003 Cell biology and chemistry of lymphocytes and lymphocyte products - Isolation and characterization of cell surface antigens (human, mice)
 R01AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
 R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
 P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
 P01CA-07175-11 0003 Cancer research at the McArdle laboratory - Carcinogenesis in organ culture (mice)
 R10CA-11796-05 Childrens cancer study group A
 P02CA-13053-03 0038 Clinical cancer radiation therapy research center - Cell and immunoglobulin mediated immunity (mice)
 R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
 R01CA-13449-02 Antitumor components from animal venoms (mice)
 R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
 R01CA-15334-01 Cellular mechanism in tumor-specific immunity (mice)
 N01CP-33229-03 Study carcinogenicity of heavy metals (rats)
 ** P01DE-02849-06 0004 Mechanism and treatment of periodontal disease - Bone resorption from fibrosarcoma (mice)
 ** P11GM-15956-07 0025 Factors affecting the responses to drugs - Warfarin treatment of transplanted fibrosarcoma (rats)
 P11GM-15956-07 0029 Factors affecting the responses to drugs - Blood pressure response to norepinephrine in patients with malignancy (also rats)

NEOPLASMS, HAMARTOMA

- R10CA-14557-01 Children's cancer study group A

NEOPLASMS, HAMARTOMA, CHORISTOMA

- SEE ALSO NEOPLASMS, ENDOMETRIOSIS
 ** P02CA-08341-09 0048 Clinical pharmacology and cancer chemotherapy - Classification of ectopic hormone producing tumors

NEOPLASMS, HEAD AND NECK

- SEE ALSO BRAIN NEOPLASMS
 SEE ALSO EYE NEOPLASMS
 SEE ALSO ORAL-PHARYNGEAL NEOPLASMS
 SEE ALSO PITUITARY NEOPLASMS

SEE ALSO THYROID NEOPLASMS

- R10CA-02599-20 Acute leukemia group B (human)
 R10CA-02822-19 Eastern cooperative oncology group (human)
 R01CA-05654-14 Evaluation of supervoltage therapy (human)
 ** P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
 P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
 P02CA-06294-13 0009 Radiotherapy research - High LET radiation therapy (human, dogs)
 P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
 P02CA-06294-13 0017 Radiotherapy research - Computer program
 ** P02CA-06294-13 0018 Radiotherapy research - Dental program (human, monkeys)
 ** P02CA-06519-12 0090 Radiation therapy and biology research program - Treatment of advanced epidermoid carcinoma of head and neck
 R10CA-06594-12 Eastern cooperative oncology group
 R10CA-07190-12 Eastern cooperative oncology group
 ** P02CA-08023-10 0049 Cancer clinical research center - Intra-arterial chemotherapy of the head and neck
 P02CA-08023-10 0065 Cancer clinical research center - Maxillofacial prosthetics
 P02CA-08023-10 0072 Cancer clinical research center - Leucovorin as a systemic antagonist for methotrexate
 R10CA-08025-10 Acute leukemia group B
 ** P02CA-08341-09 0038 Clinical pharmacology and cancer chemotherapy - Head and neck neoplasms chemotherapy
 P02CA-10438-08 0029 Clinical radiation therapy research center - Radiologic physics
 R10CA-10572-06 Eastern cooperative oncology group
 R10CA-10548-06 Eastern cooperative oncology group
 P02CA-11051-06 0019 Clinical radiation research center - Carbon breathing during radiation therapy (human)
 P02CA-11051-06 0023 Clinical radiation research center - Computer analysis of radiation experience
 P02CA-11051-06 0027 Clinical radiation research center - Iridium implantation boost technique (human)
 ** R10CA-11083-07 Eastern cooperative oncology group (human)
 R10CA-11109-06 Eastern cooperative oncology group
 ** P02CA-12178-04 0001 Radiotherapy-oncology center - Split course therapy of advanced head and neck tumors
 P02CA-12178-04 0012 Radiotherapy-oncology center - Thyroid function after neck irradiation
 R10CA-12256-03 Radiation therapy oncology group
 R10CA-12252-03 Radiation therapy oncology group
 R10CA-12255-02 Radiation therapy oncology group
 R10CA-12258-03 Radiation therapy oncology group
 R10CA-12261-03 Radiation therapy oncology group
 R10CA-12271-04 Central oncology group
 R10CA-12272-04 Central oncology group
 R10CA-12273-04 Central oncology group
 R10CA-12275-04 Central oncology group
 R10CA-12277-04 Central oncology group
 R10CA-12283-04 Central oncology group
 R10CA-12285-04 The central oncology group
 R10CA-12286-04 Central oncology group
 R10CA-12287-04 Central oncology group
 R10CA-12285-04 Central oncology group
 R10CA-12289-04 Central oncology group
 R10CA-12294-04 Central oncology group
 R10CA-12285-04 Central oncology group
 P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
 P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
 P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
 P01CA-12582-04 0007 Multidisciplinary cancer diagnosis and therapy - Non-specific immunotherapy
 P01CA-12662-03 0009 Cancer research center - Physical aspects of proton therapy (human)
 ** P02CA-13053-03 0068 Clinical cancer radiation therapy research center - Randomized study-Preoperative radiation for head and neck tumors (human)
 P02CA-13053-03 0072 Clinical cancer radiation therapy research center - Participation in radiation therapy oncology group
 R10CA-13237-03 Southeastern cancer study group
 P01CA-13330-03 0002 Cancer research program - Cancer therapy evaluation programs (human)
 P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
 P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
 R10CA-13457-02 Radiation therapy oncology group
 R10CA-13613-02 Eastern cooperative oncology group
 R10CA-13643-02 Southwest cancer chemotherapy study group
 R10CA-13650-02 Eastern Cooperative Oncology Group
 P01CA-14043-01 0011 Radiation therapy clinical and research center - Alternative lymphatic drainage of pharynx and larynx
 R10CA-14058-01 Radiation Therapy Oncology Group

(cont'd)

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- PO1CA-14599-01 0041 University of Chicago Cancer Research Center - Fast neutron radiation therapy of cancer (human, dogs, mini-swine, hamster)
- R10CA-14963-01 Central oncology group
- R01CA-15115-01 Local immune response against cancer (human)
- ** PO2CA-15145-01 0044 Cancer center support grant - Reconstitution and rerouting of cerebral circulation (dogs)
- PO1CA-15192-01 Cancer Center Support Grant Specialized
- R10CA-15467-01 Southwest Oncology Group
- R10CA-15488-01 Eastern Cooperative Oncology Group
- R10CA-15578-01 Southeastern Cancer Study Group
- R01CA-15857-01 Clinical chemotherapy and pharmacology
- PO1CA-15936-01 0007 Specialized Cancer Center - Activity trials (human)
- R10CA-15938-01 Radiation Therapy Oncology Group
- PO1CA-16127-01 0004 Cancer Research and Treatment Center Program - Cancer chemotherapy evaluation
- PO1CA-16359-01 0059 Cancer center support grant - Medical oncology
- R18CA-16401-01 0008 University of Chicago cancer center - Maxillofacial rehabilitation
- N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- ** N01CN-45101-00 Training programs for maxillofacial prosthodontists and dental technicians
- ** N01CN-45113-00 Training programs for maxillofacial prosthodontists and dental technicians
- N01CN-45114-00 Training programs for maxillofacial prosthodontists and maxillofacial technician
- ** N01CN-45130-00 Demonstration project for head and neck cancer (human)
- ** N01CN-45132-00 Demonstration project for head and neck cancer
- N01CN-45154-00 Comprehensive network demonstration project for head and neck cancer
- ** N01CN-45155-00 Demonstration project for head and neck cancer (human)
- ** N01CN-45159-00 Demonstration project for head and neck cancer
- PI0ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
- R01HL-15781-02 Guided vascular obliteration of CNS vascular lesions (human)
- PO1MH-11668-09 0096 Psychosocial factors in health and disease - Psychology of the cancer patient
- ** M01RR-00063-12 0074 General clinical research center - Bleomycin in neoplasms (human)
- ** M01RR-00063-12 0088 General clinical research center - Methotrexate with folic acid for epidermoid carcinoma of neck and head (human)
- ** M01RR-00336-08 0055 General clinical research center - Methotrexate, BCG, and INH in treatment of head and neck cancer (human)
- NEOPLASMS, HOST-NEOPLASM**
- ** N01AM-32212-02 Hyperlipidemia and atherogenesis (rats)
- PO2CA-05826-13 0055 Clinical cancer research center - Nutritional influences on therapeutic responses
- PO1CA-08748-09 5412 Research program of Sloan-Kettering Institute - Effect of immunological status on purine N-oxide carcinogenesis in rats
- PO1CA-08748-09 5414 Research program of Sloan-Kettering Institute - Effect of chemotherapy on host immunity in tumor-bearing mice
- ** PO1CA-08748-09 5416 Research program of Sloan-Kettering Institute - Effect of age on host-tumor-drug relationships (mice)
- R01CA-10129-08 Immunological enhancement of sarcoma I tumor cells (mice)
- ** R01CA-10296-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
- R01CA-10537-05 RES function, tumor induction and growth (mice)
- ** PO1CA-10815-06 0061 Consolidated basic cancer research program - Hybridization between tumor and normal host cells
- R01CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- R01CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
- R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- ** R01CA-12089-04 Immunology of chemically modified cancer cell (mice)
- R01CA-12131-03 Viral transformation genetics, and leukemia risk (human)
- ** R01CA-12456-04 Analysis of the mechanisms of cancer metastasis (mice, dogs)
- ** R01CA-12779-02 Leukocyte regulatory mechanisms (human, mice, rats)
- ** R01CA-13214-03 Metabolism by normal and leukemic leukocytes (human)
- R01CA-13216-03 Detection and modification of tumor immunity (human, mice)
- R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- PO1CA-13330-03 0010 Cancer research program - Immunologic role of lymphocytes in neoplasms
- ** R01CA-13333-03 Murine myeloma tumor studies
- R01CA-13339-02 Host defenses against lymphoblastic leukemia (human, mice)
- PO1CA-13343-02 0003 Environmental cancer - Etiology in carcinogenesis-Chemical and viral agents in cell culture systems
- PO1CA-13343-02 0008 Environmental cancer - Mutagenicity of environmental carcinogens (mice T4)
- R01CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
- ** PO2CA-13696-02 0060 Clinical cancer research center - Response of host to tumor and to therapy (human)
- ** R01CA-13746-02 Role recognition factors and macrophages in neoplasia (human, rats)
- R01CA-13806-02 Immunocompetence in radiation therapy patients
- ** PO2CA-13943-02 0021 Clinical pharmacology immunology cancer research center - Specific host defenses in human patients against solid tumor antigens
- PO2CA-13943-02 0022 Clinical pharmacology immunology cancer research center - Circulating tumor antigen in human cancer patients
- PO2CA-13943-02 0032 Clinical pharmacology immunology cancer research center - Inflammation and cancer (human, mice)
- PO2CA-13943-02 0033 Clinical pharmacology immunology cancer research center - Effect of mammary tumor virus (MTV) infection on immunocompetence (mice)
- ** PO2CA-13943-02 0044 Clinical pharmacology immunology cancer research center - Nonspecific defense responses in cancer patients
- PO2CA-13943-02 0069 Clinical pharmacology immunology cancer research center - Response genito-urinary tumors (human, hamsters, rats)
- R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
- ** R01CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
- ** R01CA-14297-02 Immuno-diagnosis of ovarian carcinoma (human, rabbits)
- R01CA-14370-02 Specificity in normal and cancer cell interactions
- ** R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer
- ** PO2CA-14520-02 0012 Wisconsin Clinical Cancer Center - Clinical investigation of therapy for solid tumors
- PO1CA-14599-01 0021 University of Chicago Cancer Research Center - Pathology evaluation of breast (human)
- PO1CA-14599-01 0022 University of Chicago Cancer Research Center - Immune status of patients with breast cancer
- PO1CA-14599-01 0023 University of Chicago Cancer Research Center - Human autologous regional lymphocyte-Breast cancer interaction
- ** R01CA-14670-02 Host functions related to tumor virus infection
- ** R01CA-14694-02 An immunologic approach to trophoblastic neoplasia (human)
- ** R01CA-14730-01 Virus induced leukemic stem cells in mice
- ** R01CA-14777-01 Analysis of host response to tumor oncogenesis (mice)
- ** R01CA-14782-02 Antigenic strength of nonviral tumors (mice)
- R01CA-15000-01 Effect of tumor growth on the immune response (rats)
- R01CA-15072-01 Pathology of lymphoid neoplasms derived from T and B cells (mice)
- PO2CA-15145-01 0048 Cancer center support grant - Mammary adenocarcinoma-Cell glycoprotein coat (mice, human)
- ** R01CA-15182-01 0002 In vitro characterization of Hodgkin's disease cells - Isolation and characterization of tumor associated antigens (human, hamsters)
- ** R26CA-15263-01 Immune status of gastrointestinal tumor-Colon (human)
- ** R13CA-15298-01 Radiation and host immune defense mechanisms in malignancy (Arizona)
- ** R01CA-15333-01 Rheumatoid factor and tumor-host interaction (human)
- R01CA-15372-01 Immunotherapy of cancer with lymphoid extracts (human, mice, guinea pigs)
- ** R01CA-15373-01 Cancer
- R01CA-15500-01 Immunologically induced tumors (mice)
- R26CA-15503-01 Prostatic human tumors in conditioned animals and in culture (mice)
- ** R01CA-15565-01 Macrophage and tumor cell interactions (mice)
- ** R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
- ** R01CA-15630-01 Surface glycoproteins of normal and transformed cells (chick embryo, viruses)
- R01CA-15679-01 SV40 potentiation of immune responsiveness to tumors (mice)
- R01CA-15788-01 Mechanisms of immunoblocking versus tumor immunity (mice, rats)
- ** R01CA-15811-01 Host resistant to cancer (human, mice)
- R01CA-15813-01 Lipid transport, synthesis and metabolism in cancers (mice)
- ** R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
- ** R01CA-15988-01 Immune surveillance and cancer (mice)
- ** R01CA-16011-01 Opsonic and phagocytic activity during tumor growth (rats)
- R01CA-16063-01 Etiology of canine transmissible sarcoma
- ** R01CA-16096-01 Host-neoplasia interactions in gliomas (human)
- R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
- N01CB-33069-01 Cell synergy in cell bound immune reactions (mice)
- N01CB-43874-00 Circulating tumor antigens in immunotherapy (rats)
- N01CB-43904-00 Effects of nucleic acid preparations on mammary carcinomas (mammas nonhuman)
- N01CB-43930-00 Mechanisms by which tumors avoid immune destruction (mice C57 BU/6)
- R01HD-00384-16 Ontogeny of immune mechanisms (mice, rats)
- ** M01RR-00334-08 0032 General clinical research center - Host-tumor interrelationships (human)
- NEOPLASMS, LATENT CANCER**
- ** PO2CA-14520-02 0006 Wisconsin Clinical Cancer Center - Genetic and epidemiologic factors in high risk cancer (human)
- NEOPLASMS, LIPOSARCOMA**
- R18CA-10382-08 Childrens cancer study group A
- PO1CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
- NEOPLASMS, MOLECULAR LEVEL STUDIES**
- SEE ALSO NEOPLASMS GENETICS
- R01CA-11050-07 Molecular pharmacology of the cell cycle
- R01CA-15905-01 Ribosomal RNA synthesis in normal and cancer cells
- R01CA-17037-01 Serum protein synthesis by mouse hepatoma cells
- R01CA-17049-01 Recognition of tumor cells by T lymphocytes (mice, chickens)
- R01GM-08933-12 Chemical kinetics studied by spectrometry
- R01HD-05297-04 Morphogenesis in embryonic and pathological systems (chick embryo, mice)
- NEOPLASMS, MULTIPLE PRIMARY**
- ** R01CA-08857-09 Urinary bladder carcinogenesis in man and animal (rabbits)
- ** M01RR-00030-13 0031 General clinical research center - Genetic and metabolic nature of multiple endocrine adenomas (human)
- M01RR-00034-14 0087 General clinical research center - Relationship of multiple adenomas to GI pathology (human)
- M01RR-00073-12 0024 General clinical research center - Families with multiple endocrine adenomatosis
- M01RR-00079-12 0100 General clinical research center - Use of streptozotocin in endocrine adenomatosis (human)
- ** M01RR-00095-14 0065 General clinical research center - Family with multiple adenomatosis
- M01RR-00714-02 0012 General clinical research center - Multiple endocrine neoplasm survey (human)
- NEOPLASMS, MYXOMA**
- ** PO1AM-05996-13 0027 Biochemistry of connective tissues - Diagnosis of atrial myxoma (human)
- NEOPLASMS, PAGET'S DISEASE**
- M01RR-00046-14 0036 General clinical research center - Calcitonin in disorders of calcium and skeletal metabolism (human)
- NEOPLASMS, PEDIATRIC**
- ** R01AJ-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
- ** R10CA-02649-18 Childrens cancer study group A
- ** R10CA-02971-18 Childrens cancer study group A
- R10CA-03161-17 Southwest cancer chemotherapy cooperative study group
- ** R10CA-03526-17 Childrens cancer study group A
- ** R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
- ** R10CA-03750-17 Childrens cancer study group A
- ** R10CA-03888-17 Childrens cancer study group A
- R01CA-05096-13 Programme of the International Union Against Cancer
- ** R10CA-05436-14 Childrens cancer study group A
- ** PO2CA-05826-13 0086 Clinical cancer research center - Pediatric oncology-hemangioma
- ** PO2CA-05826-13 0087 Clinical cancer research center - Pediatric oncology-neuroblastoma
- ** PO2CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
- ** PO2CA-05826-13 0089 Clinical cancer research center - Pediatric oncology-Ewing's sarcoma
- ** PO2CA-05826-13 0090 Clinical cancer research center - Pediatric oncology-osteogenic sarcoma
- ** PO2CA-05826-13 0091 Clinical cancer research center - Pediatric oncology-Hodgkin's disease
- ** PO2CA-05826-13 0092 Clinical cancer research center - Pediatric oncology-psychopathological family constellations
- PO2CA-05831-13 0038 Cancer clinical research - Biochemical basis of varying drug toxicity (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-05831-13 0041 Cancer clinical research - Medical social service
 P02CA-05838-13 0005 Clinical radiotherapy cancer research center - Non-Hodgkin's lymphoma
 ** P02CA-05838-13 0024 Clinical radiotherapy cancer research center - Supportive care techniques-Children
 ** P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
 ** P02CA-06294-13 0015 Radiotherapy research - Pediatric tumors
 ** P02CA-06516-12 Cancer center support grant-Comprehensive
 P02CA-06516-12 0001 Cancer center support grant-Comprehensive - Development of a program in human cytogenetics
 ** P02CA-06516-12 0006 Cancer center support grant-Comprehensive - Pediatric neoplasms
 P02CA-06516-12 0011 Cancer center support grant-Comprehensive - Blood products and supportive care (human, rats)
 P02CA-06516-12 0012 Cancer center support grant-Comprehensive - Cancer epidemiology
 P02CA-06551-11 0003 Cancer clinical research - Relation of inherited antigens to cancer susceptibility in man
 ** P02CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
 ** P02CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
 ** R10CA-07306-11 Childrens cancer study group A
 M P02CA-07357-10 Special children's cancer center program
 ** P02CA-07357-10 0001 Special children's cancer center program - Role of viruses in etiology of acute leukemia (human, primates nonhuman)
 ** P02CA-07357-10 0010 Special children's cancer center program - Rad blood cell changes in acute leukemia
 ** P02CA-07357-10 0014 Special children's cancer center program - Periodic reinforcement therapy in children with acute leukemia
 ** P02CA-07357-10 0017 Special children's cancer center program - Immune responsiveness in patients with cancer
 ** P02CA-07357-10 0018 Special children's cancer center program - Microflora in leukemic and immunodeficient patients and laboratory animals
 ** P02CA-07357-10 0021 Special children's cancer center program - Study of tumor specific antigens (human)
 ** R10CA-07431-11 Childrens cancer group A
 R10CA-07439-11 Childrens cancer study group A
 ** P02CA-08480-09 Childhood cancer research center
 ** P02CA-08480-09 0008 Childhood cancer research center - Immuno-competent cells in acute lymphocytic leukemia (children)
 ** P02CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
 ** P02CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
 ** P02CA-08480-09 0024 Childhood cancer research center - Cardiovascular and pulmonary problems with sepsis and pneumonia (children)
 ** P02CA-08480-09 0026 Childhood cancer research center - Hodgkin's disease in children
 ** P02CA-08480-09 0028 Childhood cancer research center - Immunological aspects of childhood leukemia
 ** P02CA-08480-09 0029 Childhood cancer research center - Dental problems in children with cancer
 ** P02CA-08480-09 0030 Childhood cancer research center - Varicella-Zoster and herpesvirus infections in children with cancer
 ** P01CA-08748-09 6202 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in children
 ** P02CA-08832-08 0102 An integrated study of advanced malignant diseases - Acute lymphoblastic and undifferentiated leukemia of childhood
 ** P02CA-08832-08 0123 An integrated study of advanced malignant diseases - Malignancy in family due to childhood radiation
 ** P02CA-08832-08 0130 An integrated study of advanced malignant diseases - Radiation therapy for childhood acute lymphoblastic leukemia
 ** R10CA-08855-08 Procurement of fresh blood platelets for clinical use (human, rats)
 ** R10CA-10198-07 Childrens cancer study group A (human)
 ** R10CA-10382-08 Childrens cancer study group A
 ** R10CA-11075-06 Childrens cancer study group A
 ** R10CA-11174-06 Childrens cancer study group A
 ** R10CA-11722-06 National Wilms tumor study (children)
 ** R10CA-11796-05 Childrens cancer study group A
 ** R10CA-11844-17 Pediatric malignancies-Southwest Oncology Group
 ** R10CA-11984-18 Leukemia center (platelet) program-CCA
 ** R10CA-12001-09 Leukemia center (platelet) program
 ** R10CA-12113-04 Genetics of X chromosomes and malignant hybridization (humans)
 ** R10CA-12131-03 Viral transformation genetics, and leukemia risk (human)
 M P02CA-12247-03 Pediatric oncology center
 ** P02CA-12247-03 0001 Pediatric oncology center - Epidemiology
 ** P02CA-12247-03 0002 Pediatric oncology center - Leukopoeitic factors in acute lymphatic leukemia (human, mammals nonhuman)
 ** P02CA-12247-03 0004 Pediatric oncology center - Bone marrow histopathology (human)
 ** P02CA-12247-03 0005 Pediatric oncology center - Tumor characterization (human)
 ** P02CA-12247-03 0006 Pediatric oncology center - Skin testing and clinical immunology
 P02CA-12247-03 0007 Pediatric oncology center - Acute leukemia (human)
 P02CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)
 ** P02CA-12247-03 0009 Pediatric oncology center - Neuroblastoma (human)
 ** P02CA-12247-03 0010 Pediatric oncology center - Hepatic cancer of childhood
 ** P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
 ** P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
 P02CA-12247-03 0014 Pediatric oncology center - Pediatric medical records automation
 P02CA-12247-03 0015 Pediatric oncology center - Infectious disease control (human)
 P02CA-12247-03 0020 Pediatric oncology center - HLA antigens in acute leukemia (human)
 P02CA-12247-03 0021 Pediatric oncology center - Platelet biochemistry (dogs, human)
 P02CA-12247-03 0023 Pediatric oncology center - Skin testing and clinical immunology II
 P02CA-12247-03 0024 Pediatric oncology center - Germinal tumors of the gonads, pineal and sacrococcygeum (human, mice)
 P02CA-12247-03 0025 Pediatric oncology center - Acute non-lymphocytic leukemia (human)
 P02CA-12247-03 0026 Pediatric oncology center - Chemotherapy of malignant brain tumors (human, mice)
 ** R10CA-12637-03 Childrens cancer study group A
 P01CA-12662-03 0006 Cancer research center - Tumor specific antigen in Hodgkins disease and lymphosarcoma (human, rabbits, mi)
 ** R01CA-12787-03 Immunocompetent cells in acute lymphocytic leukemia (human)
 ** R01CA-13050-03 Combination therapy of childhood leukemia
 ** P02CA-13053-03 0007 Clinical cancer radiation therapy research center - Wilms tumor protocol (human)
 P02CA-13053-03 0056 Clinical cancer radiation therapy research center - Chemotherapy and radiation therapy in primary Hodgkin's disease (human)
 ** P02CA-13053-03 0057 Clinical cancer radiation therapy research center - Combination chemotherapy in children with primary osteosarcoma
 ** P02CA-13053-03 0058 Clinical cancer radiation therapy research center - Combination chemotherapy of histiocytosis X in children
 ** P02CA-13053-03 0061 Clinical cancer radiation therapy research center - Fluorouracil in pediatric solid tumors
 ** P02CA-13053-03 0062 Clinical cancer radiation therapy research center - Combination chemotherapy with procarbazine in childhood histiocytosis-x
 P02CA-13053-03 0069 Clinical cancer radiation therapy research center - Participation in Southwest cancer chemotherapy group
 ** P02CA-13053-03 0074 Clinical cancer radiation therapy research center - Human granulopoietic progenitor cells (tissue culture)
 P02CA-13053-03 0075 Clinical cancer radiation therapy research center - Combined pulmonary irradiation and fluorouracil therapy in lung tumors (human)
 ** P02CA-13053-03 0076 Clinical cancer radiation therapy research center - Chemotherapy of metastatic solid tumors with DIC and adriamycin (children)
 P02CA-13053-03 0077 Clinical cancer radiation therapy research center - Chemotherapy following surgery and radiotherapy in brain tumors (children)
 P02CA-13053-03 0078 Clinical cancer radiation therapy research center - Osteogenic sarcoma chemotherapy with methotrexate-cytovorum factor (children)
 P02CA-13053-03 0079 Clinical cancer radiation therapy research center - Osteogenic sarcoma-Methotrexate chemotherapy and radiotherapy (children)
 P02CA-13053-03 0080 Clinical cancer radiation therapy research center - ICRF 159 chemotherapy in solid tumors and acute leukemia (children)
 P02CA-13053-03 0081 Clinical cancer radiation therapy research center - Chemotherapy of histiocytosis X with chlorambucil (children)
 P02CA-13053-03 0082 Clinical cancer radiation therapy research center - Hodgkin's disease-Chemotherapy with MOPP plus bleomycin (children)
 ** R01CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
 ** P02CA-13148-03 0013 Pilot cancer center - Treatment of childhood leukemia and lymphosarcoma
 ** P02CA-13148-03 0016 Pilot cancer center - Daunomycin in childhood leukemia
 ** R01CA-13451-02 The biology of human neuroblastoma
 P01CA-13472-02 Investigation of childhood leukemia
 ** P01CA-13472-02 0001 Investigation of childhood leukemia - Treatment of leukemic patients
 ** R01CA-13534-03 Plasma membrane proteins in normal and cancer cells (human)
 ** R10CA-13539-02 Children's cancer study group A
 P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
 ** P02CA-13696-02 0050 Clinical cancer research center - Psychiatric study of children with terminal illness (human)
 ** R18CA-13809-02 Children's cancer study group A
 ** R01CA-13907-02 Growth hormone and sulfation in acute leukemia (children, rats)
 ** P01CA-14089-01 0038 Pilot multidisciplinary cancer research program - Pediatric oncology support services
 ** P01CA-14536-01 0087 Cancer institute core proposal - Pediatric cancer center
 R10CA-14557-01 Children's cancer study group A
 ** P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
 ** P01CA-14599-01 0036 University of Chicago Cancer Research Center - Childhood leukemia studies
 ** P01CA-14599-01 0037 University of Chicago Cancer Research Center - Neoplasia in childhood-Cell susceptibility to transformation
 R01CA-14658-02 Murine model for neuroblastoma chemotherapy in man
 ** P01CA-14801-02 0007 Chemotherapy and regulation of oncogenic viruses - EMI of virus in witch's milk from nursing infants (human, monkeys)
 ** R01CA-14992-01 An epidemiological study of children's tumours
 ** R01CA-15039-01 Cytogenetic diagnosis and etiology of human cancer
 ** P02CA-15083-01 0004 Cancer Center Support Grant-Mayo Foundation - Cancer rehabilitation
 ** P02CA-15083-01 0012 Cancer Center Support Grant-Mayo Foundation - Management of pediatric cancer
 ** P02CA-15145-01 0041 Cancer center support grant - Children's cancer study group A
 ** R01CA-15469-02 Psychological effects of cranial irradiation (human)
 ** R10CA-15525-01 Southwest Cancer Chemotherapy Study Group
 ** R01CA-15564-01 Leukocyte bactericidal power in leukemia (human)
 R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
 R01CA-15611-01 Monocyte and T-lymphocyte receptors in malignancy (children)
 ** P01CA-15704-01 0037 Cancer center support grant - Pediatric oncology
 R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
 R01CA-15857-01 Clinical chemotherapy and pharmacology
 R10CA-15995-01 Southwest cancer chemotherapy study group
 R18CA-16400-01 0006 Cancer control development grant - Education and training projects (human)
 ** R18CA-16402-01 0001 Cancer control development grant - Model referral system for cancer therapy (adults, children)
 R18CA-16404-01 0013 Cancer control development grant - Cancer education
 ** R18CA-16405-01 0003 Development of regional cancer control program - Childhood cancer control (human)
 ** N01CN-35019-02 Prototype clinical chemotherapy program in cancer control
 ** N01CP-33245-01 Pediatric Tumor Resource
 ** N01CP-33400-01 Specimens from pediatric oncology patients and families
 ** N01CP-43201-00 Mortality experience of children inoculated with SV40
 ** N01CP-43321-00 Epidemiology of childhood cancer
 N01CP-43336-00 Epidemiologic studies in etiology of cancer in veterans
 P10ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
 P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
 ** P01HD-05894-04 0009 Genetic childhood diseases and aging - Significance of alpha-1 glycoprotein in cerebral tumors of infancy
 ** R01HD-06894-02 Study of NBT test in selected childhood disorders
 ** P01HD-07256-03 0010 Child health and development studies - Morbidity in childhood (human)
 ** M01RR-00047-14 0103 General clinical research center - Childrens cancer study group A
 ** M01RR-00062-12 0034 Clinical research center, children - Evaluation of chemotherapy in malignancies-Influence of leukemic serum
 ** M01RR-00063-12 0081 General clinical research center - Total therapy in children, young adults with acute lymphatic leukemia (human)
 ** M01RR-00064-10 0017 General clinical research center - Leukemia and malignant diseases in children
 ** M01RR-00069-12 0054 General clinical research center, children - Use of 5-fluorouracil entry into malignant brain tumors
 M01RR-00075-11 0060 General clinical research center for children - Immunotherapy of malignancy

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00081-12 0035 General clinical research center, premature infants - Insulin suppression test for islet hyperplasia or islet cell adenoma
- ** MO1RR-00082-12 0051 General clinical research center - Postoperative assessment of abdominal sarcoma in children
- ** MO1RR-00123-11 0025 General clinical research center - Children - Transfer factor in therapy of leukemia, immune deficiency diseases
- MO1RR-00125-11 0199 General clinical research center - adult-child - Combination chemotherapy and CNS prophylaxis for acute lymphoblastic leukemia
- MO1RR-00125-11 0200 General clinical research center - adult-child - L-asparaginase therapy for acute lymphoblastic leukemia
- MO1RR-00125-11 0201 General clinical research center - adult-child - Adriamycin therapy in acute leukemia and solid neoplasms
- MO1RR-00125-11 0202 General clinical research center - adult-child - Antileukemia effectiveness of combined methotrexate and L-asparaginase
- MO1RR-00125-11 0203 General clinical research center - adult-child - Carbonylpeptidase G1 in leukemia
- MO1RR-00125-11 0208 General clinical research center - adult-child - Transfer factor treatment in impaired cellular immunity
- MO1RR-00125-11 0229 General clinical research center - adult-child - Evaluation of chemotherapy for medulloblastoma
- ** MO1RR-00188-10 0067 General clinical research center for children - Immunologic deficiency state in Hodgkin's disease
- ** MO1RR-00240-10 0086 General clinical research center - Children - Zollinger-Ellison syndrome
- ** MO1RR-00318-08 0061 General clinical research center - Endocrine function in chemotherapy for cancer in children
- ** MO1RR-00400-06 0005 General clinical research center - adult - Cyclic leukocytosis in chronic myelogenous leukemia (children)

NEOPLASMS, PELVIS NEOPLASMS

- ** P02CA-05838-13 0004 Clinical radiotherapy cancer research center - Advanced pelvic neoplasms
- P02CA-06294-13 0006 Radiotherapy research - Genitourinary tract (human)
- P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- R10CA-12272-04 Central oncology group
- R10CA-12273-04 Central oncology group
- R10CA-12275-04 Central oncology group
- R10CA-12277-04 Central oncology group
- R10CA-12283-04 Central oncology group
- R10CA-12285-04 The central oncology group
- R10CA-12286-04 Central oncology group
- R10CA-12287-04 Central oncology group
- R10CA-12288-04 Central oncology group
- R10CA-12289-04 Central oncology group
- R10CA-12294-04 Central oncology group
- R10CA-12295-04 Central oncology group
- ** P02CA-13148-03 0001 Pilot cancer center - Gynecologic oncology
- ** P02CA-13148-03 0002 Pilot cancer center - Hormone assays in gynecologic tumors
- P02CA-13148-03 0004 Pilot cancer center - Application of ultrasound to gynecological tumors (human)
- P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
- R10CA-15241-02 Central oncology group

NEOPLASMS, RADIATION INDUCED

- SEE ALSO BLOOD AND RE NEOPLASMS, LEUKEMIA RADIATION INDUCED
- ** R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- ** P02CA-11051-06 0059 Clinical radiation research center - Effect of whole lung irradiation on occult metastases (mice)
- ** P02CA-13053-03 0087 Clinical cancer radiation therapy research center - X-ray induced malignant cell transformation (mice)
- P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ** P01CA-13343-02 0012 Environmental cancer - Experimental radiation skin carcinogenesis (rats, mice)
- P01CA-13343-02 0014 Environmental cancer - Assay of genetic damage and cellular proliferation (rodents)
- ** P01CA-13343-02 0017 Environmental cancer - Evaluating exposure of miners to radon with lead - 210
- ** P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- ** R01CA-14228-02 Role of immunosuppression in radiation induced leukemia (mice)
- ** P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
- R01CA-14828-01 0005 Molecular mechanisms in carcinogenesis - RNA-instructed DNA polymerases and other nucleic acid polymerases (rats)
- R01CA-14876-02 Cell mediated immunological defects in man after irradiation
- R01CA-14955-02 Follow-up study of thorotrast patients

- ** R01CA-16343-01 Mechanism of action of the photoreactivating enzyme
- P10ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
- ** P10ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)
- ** R01FD-00634-11 Neoplasms in irradiated human populations
- ** MO1RR-00055-13 0116 General clinical research center - Thyroid carcinoma and radiation (human)

NEOPLASMS, SARCOMA

- SEE ALSO BLOOD AND RE NEOPLASMS, BONE MARROW NEOPLASMS, EWING'S SARCOMA
- SEE ALSO BLOOD AND RE NEOPLASMS, LEUKOSIS-SARCOMA AVIAN
- SEE ALSO BLOOD AND RE NEOPLASMS, LYMPHOSARCOMA
- SEE ALSO BLOOD AND RE NEOPLASMS, RETICULUM CELL SARCOMA
- SEE ALSO CARDIOVASCULAR NEOPLASMS, ANGIOSARCOMA
- SEE ALSO CARDIOVASCULAR NEOPLASMS, KAPOSI SARCOMA
- SEE ALSO KIDNEY NEOPLASMS, NEPHROBLASTOMA
- SEE ALSO MUSCLE NEOPLASMS, LEIOMYOSARCOMA
- SEE ALSO MUSCLE NEOPLASMS, RHABDOMYOSARCOMA
- SEE ALSO NEOPLASMS, FIBROSARCOMA
- SEE ALSO NEOPLASMS, LIPOSARCOMA
- SEE ALSO NEOPLASTIC CELLS, L CELLS
- SEE ALSO SKELETAL NEOPLASMS, OSTEOGENIC SARCOMA
- SEE ALSO VIRUSES, ONCOGENIC, VENEREAL SARCOMA VIRUS CANINE
- P01AM-10824-08 0009 Cellular immunity - Adoptive immunity to tumors (mice)
- P01AM-10824-08 0010 Cellular immunity - RNA mediated transfer of tumor immunity (mice, guinea pigs)
- ** P01AM-17110-07 0014 Program project in biomaterials calcified tissue - Effect of ICRF 159 on murine osteosarcoma (mice)
- ** R01CA-03353-17 Experimental radiotherapy - Cellular responses in vivo (mice)
- R01CA-05790-13 Cytology of viral neoplasms in fish
- P02CA-05826-13 0037 Clinical cancer research center - Cancer immunobiology-immunovirology of human cancer
- P02CA-05838-13 0019 Clinical radiotherapy cancer research center - Combined radio- and chemotherapy - Osteogenic sarcomas
- P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- R10CA-06594-12 Eastern cooperative oncology group
- ** P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- P02CA-06973-12 0022 Integrated clinical cancer research program - Neoplasia-Clonal proliferation or recruitment (human, mice)
- ** P02CA-08023-10 0076 Cancer clinical research center - Adriamycin in treatment of nonlymphomatous sarcomas
- P02CA-08341-09 0035 Clinical pharmacology and cancer chemotherapy - Adriamycin
- ** P02CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
- ** R01CA-08518-07 0002 Lysosomal enzymes in x-irradiated tumor cells - Schmidt-Ruppin sarcoma RR-1022 (rats)
- R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenylyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
- R01CA-10712-07 Foreign body tumorigenesis (mice)
- R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
- ** P01CA-10815-06 0037 Consolidated basic cancer research program - Isolate viruses from human sarcomas and leukemias
- R10CA-10948-06 Eastern cooperative oncology group
- ** P02CA-11051-06 0037 Clinical radiation research center - Radiation in uterine sarcoma management (human)
- ** P02CA-11051-06 0044 Clinical radiation research center - Radiation pathology - Sarcoma response to x-rays (hamsters)
- ** P02CA-11051-06 0046 Clinical radiation research center - Radiation pathology - Sarcoma immunology (hamsters)
- P02CA-11051-06 0048 Clinical radiation research center - Radiation pathology - Tumor microvasculature response (hamsters)
- R10CA-11083-07 Eastern cooperative oncology group (human)
- P01CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
- P01CA-12582-04 0010 Multidisciplinary cancer diagnosis and therapy - Combination chemo-immunotherapy
- R01CA-12689-03 Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, huma)
- P01CA-12707-03 0004 Cancer epidemiology program grant - Leukemia-lymphoma-multiple myeloma (human)
- P02CA-13053-03 0069 Clinical cancer radiation therapy research center - Participation in Southwest cancer chemotherapy group
- P02CA-13053-03 0076 Clinical cancer radiation therapy research center - Chemotherapy of metastatic solid tumors with DIC and adriamycin (children)
- R01CA-13086-03 Identification of viruses associated with human cancer (human, mice, guinea pigs)
- R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)

- R01CA-13176-03 Adenylyl cyclase in malignant cells (mammals, human)
- R01CA-13192-02 Cell-mediated immunologic destruction of tumor cells (human, guinea pigs, mice)
- R01CA-13289-02 Role of regional lymph nodes in cancer surgery (human)
- P01CA-13330-03 0002 Cancer research program - Cancer therapy evaluation programs (human)
- P01CA-13330-03 0006 Cancer research program - Eastern Cooperative Oncology Group
- R10CA-13612-01 Southwest Cancer Chemotherapy Study Group
- ** P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
- ** P01CA-14043-01 0005 Radiation therapy clinical and research center - Effect of BCG and radiation on Hodgkin's-like sarcoma (mice)
- R01CA-14228-02 Role of immunosuppression in radiation induced leukemia (mice)
- R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
- R01CA-14432-02 Tumor cell proliferation (rats)
- R01CA-14792-02 Radioimmunoassay of mammalian oncornavirus antigens (human, rodents)
- P01CA-14801-02 0006 Chemotherapy and regulation of oncogenic viruses - Control of oncornavirus expression (human, mice)
- R01CA-14984-01 Immunological aspects of cancer prognosis
- R01CA-15240-01 Non-specific resistance to syngeneic tumors (mice)
- R10CA-15241-02 Central oncology group
- R01CA-15270-01 Metabolic characteristics of chemical carcinogenesis (rats)
- P02CA-15688-01 0012 Program in medical oncology - Combination radio-chemotherapy of testis neoplasms
- R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- P01CA-15822-01 0001 Immunobiology of normal and neoplastic lymphocytes - Immunobiology of T lymphocytes (rats)
- R01CA-15833-01 Radiofrequency heat for cancer therapy (cats, dogs, mice)
- R01CA-16898-01 Activated lymphocytes for immunotherapy of neoplasms (human)
- N01CB-23878-03 Immune responses of mice and rats to tumor associated antigens (also hamsters)
- N01CB-43853-00 Assays for immune depression in cancer patients
- N01CB-43858-00 Nature of interactions between tumor cells and immunoglobins
- N01CB-43876-00 Hybrid tumor cells - An immunotherapeutic agent
- ** N01CB-43878-00 Transfer factor therapy of sarcoma (human)
- N01CB-43921-00 Human tumor associated antigens and corresponding antibodies
- N01CM-33726-01 Evaluate antitumor properties of streptovirin (mice)
- N01CM-43748-00 Programs involving combination drug and combined modalities treatment of cancer
- ** N01CP-33242-02 Comparative leukemia and sarcoma virus studies (human, monkeys, gibbons)
- N01CP-33304-03 Relationship of viruses to human leukemia, lymphoma and breast cancer
- N01CP-33306-01 Evaluation of methods for isolation of virus from human neoplasia
- N01CP-33316-01 Herpes-type virus in etiology of human cancer
- N01CP-43244-00 Human tumor cell culture and mycoplasma activity (also mammals nonhuman)
- N01CP-81030-11 Etiology and epidemiology of human cancer
- ** N01CP-92061-10 Tumor-specified transplantation antigens in solid tumors (human, mammals)
- P01GM-15253-08 0046 Genetics in medicine - Gene action in man - SV40 transformation of fibroblasts from subjects at risk to develop malignancy
- ** MO1RR-00030-13 0096 General clinical research center - Immunology of sarcomas, melanomas and colon CA (human)
- ** MO1RR-00042-14 0065 General clinical research center - Plasma levels of combined adriamycin and methotrexate in sarcoma (human)
- ** MO1RR-00082-12 0051 General clinical research center - Postoperative assessment of abdominal sarcoma in children
- MO1RR-00334-08 0005 General clinical research center - Organ infusion (human)

NEOPLASMS, SARCOMA I

- ** P02AI-06320-10 0009 Transplantation immunology center - Biological activities of purified fractions against murine sarcoma
- ** R01CA-10129-08 Immunological enhancement of sarcoma I tumor cells (mice)
- R01CA-14459-02 Cellular immunity - Use of a tumor model (human, mice)
- ** MO1RR-00049-13 0047 General clinical research center - DIC, NSC 123127 and vincristine in sarcoma (human)

(contd)

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**Oriented significantly to above subject.

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NEOPLASMS, SARCOMA 180

- ** R01CA-04175-16 Cell culture studies on drugs and antimetabolites
- P01CA-06927-12 0008 Biological and biochemical program in cancer research - Relationship of acid-fast organisms to growth of experimental tumors (human, mic)
- R01CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
- P01CA-08748-09 7805 Research program of Sloan-Kettering Institute - Induction of increased immunological reactivity in mice
- R01CA-12084-03 B12 analogues as chemotherapeutic agents
- P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- P02CA-13943-02 0014 Clinical pharmacology immunology cancer research center - Nucleotide patterns in animal tumor cells and human leukemic cells
- ** P02CA-13943-02 0015 Clinical pharmacology immunology cancer research center - Methylmercaptol and methylselenopyrine analogues on purine metabolism (mammals)
- R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
- R01CA-14405-02 Mechanism of anti-tumor effects of polynucleotides
- R01CA-14405-02 DNA-dependent RNA polymerases in normal and malignant cells, (mice)
- R01GM-17973-04 Role of nucleic acids in cell differentiation (mice, rats, rabbits, E coli)

NEOPLASMS CLASSIFICATION

- P02CA-05826-13 0086 Clinical cancer research center - Pediatric oncology-hemangioma
- ** P02CA-05834-13 0035 Cancer clinical research center - Subcellular morphological diagnosis of acute leukemia
- ** P02CA-05838-13 0029 Clinical radiotherapy cancer research center - Surgical pathology laboratory
- ** P02CA-08341-09 0048 Clinical pharmacology and cancer chemotherapy - Classification of ectopic hormone producing tumors
- ** R01CA-08575-09 Atlas of tumor pathology
- ** R10CA-08970-08 Pathology center for lymphoma clinical trial studies (human)
- ** P02CA-11051-06 0025 Clinical radiation research center - Uniform staging of cancer
- ** P02CA-11051-06 0058 Clinical radiation research center - Uniform staging of cancer
- ** R01CA-11606-05 American Joint Committee
- P02CA-11911-04 0003 Clinical cancer center - Evaluation of plasma cell proliferative disorders
- P02CA-12178-04 0001 Radiotherapy-oncology center - Split course therapy of advanced head and neck tumors
- ** P02CA-12178-04 0007 Radiotherapy-oncology center - Lymphoma and Hodgkins disease
- ** P01CA-12582-04 0002 Multidisciplinary cancer diagnosis and therapy - Antigenic specificity of different histologic types of neoplasms (human)
- P01CA-12800-03 0002 Immune functions and cancer - Tumor immunology (human, rats)
- ** R01CA-13184-03 Registry of canine and feline neoplasms (Tulsa County, Okla)
- R10CA-13669-02 Malignant melanoma group
- P02CA-13696-02 0003 Clinical cancer research center - Human leukemic cell differentiation
- P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
- R26CA-13859-03 Administration of the National Bladder Cancer Project
- P01CA-14089-01 0027 Pilot multidisciplinary cancer research program - Lymphoma-leukemia program
- ** P01CA-14089-01 0050 Pilot multidisciplinary cancer research program - Clinical investigation of selected tumor systems
- P01CA-14599-01 0021 University of Chicago Cancer Research Center - Pathology evaluation of breast (human)
- ** R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- ** R01CA-14782-02 Antigenic strength of nonviral tumors (mice)
- R10CA-15474-01 Colo-rectal pathology reference center
- R26CA-15477-02 Establishment of cell cultures of human tumor epithelium
- R26CA-15490-01 Central cytology and pathology laboratory
- R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- R01CA-15775-01 Epigenetic processes in thyroid carcinoma (human, rats)
- ** R26CA-15798-01 Histopathological grading of carcinoma of prostate (human)
- ** R26CA-15804-01 Histological grading of prostatic carcinoma (human)
- R18CA-15978-01 Clinical and research radiation therapy in cancer care (US, Puerto Rico survey)
- P01CA-16127-01 0001 Cancer Research and Treatment Center Program - Core morphology research and patient care resource
- R26CA-16769-01 CEA in urogenital carcinomas (human)
- ** N01CB-23860-02 Documentation of human breast cancer in tissue culture

- ** N01CB-33874-01 Registry of tumors in lower animals
- ** N01CB-90033-10 Study of mammary tumors in dogs
- ** N01CN-40044-04 0059 - SUPPORT FOR INTL COUNCIL OF SOCIETIES OF PATHOLOGY
- N01CO-35407-08 National cancer program management systems requirements
- ** N01CP-12050-05 OCR processing of Third National Cancer Survey
- N01CP-33254-03 Computing services for Third National Cancer Survey
- ** N01CP-33261-02 Demographic cancer research and training in Hawaii
- ** N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
- ** N01CP-33321-01 Study on breast lesions (human)
- ** N01CP-33343-01 Maintenance of an irradiated monkey colony
- ** N01CP-43200-00 Third National Cancer Survey
- ** N01CP-43200-00 Cancer and results evaluation program
- ** N01CP-43247-00 Shifts in cancer risks among Norwegian migrants
- N01CP-43268-00 Animal pathology support
- ** N01CP-90040-08 Dallas-Fort Worth Cancer Survey
- ** N01CP-90041-13 Third National Cancer Survey
- ** N01CP-90043-10 Third National Cancer Survey
- ** N01CP-90047-11 Third National Cancer Survey
- ** N01CP-90049-09 Third National Cancer Survey
- ** N01NS-42336-00 Incidence, prevalence and costs of intracranial neoplasms

NEOPLASMS DIAGNOSIS

- SEE ALSO NEOPLASMS RADIODIAGNOSIS
- SEE ALSO NEOPLASMS RADIOISOTOPE DIAGNOSIS
- SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS, MAMMOGRAPHY
- P02AM-04501-13 0004 Metabolic disease research center - Immunossay of thyrocalcitonin (salmon, sheep, swine, human, dogs)
- ** R01AM-10558-09 0015 Peptide hormones affecting calcium metabolism - Pentagastrin test for medullary thyroid carcinoma (human)
- P01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- P17AM-17328-01 0012 Peptic ulcer center - Zollinger-Ellison syndrome (human)
- R01CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)
- ** P01CA-04486-15 0001 Pathology of the digestive tract mucous membrane - Clinical and morphologic studies of CEA
- P01CA-04486-15 0002 Pathology of the digestive tract mucous membrane - Immunochemical studies of CEA (human, rats)
- P01CA-04486-15 0003 Pathology of the digestive tract mucous membrane - Studies of cell-mediated immunity (human)
- ** P02CA-05826-13 0039 Clinical cancer research center - Cancer immunobiology-immunological diagnosis of human cancer
- P02CA-05826-13 0041 Clinical cancer research center - Medical and metabolic studies-normal and malignant gastrointestinal cells in man
- ** P02CA-05826-13 0049 Clinical cancer research center - Medical and metabolic studies-tumor-localizing radionuclides in man
- P02CA-05826-13 0068 Clinical cancer research center - Gastrointestinal manifestations of malignant lymphoma
- P02CA-05826-13 0085 Clinical cancer research center - Endocrine profile in prostatic cancer (human)
- P02CA-05826-13 0087 Clinical cancer research center - Pediatric oncology-neuroblastoma
- P02CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
- P02CA-05826-13 0091 Clinical cancer research center - Pediatric oncology-Hodgkin's disease
- P02CA-05831-13 0002 Cancer clinical research - Family study of medullary carcinoma of the thyroid
- P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
- P02CA-05831-13 0004 Cancer clinical research - Hormona producing non-endocrine tumors (human)
- P02CA-05831-13 0015 Cancer clinical research - Serum tyrosinase in patients with malignant melanoma
- ** P02CA-05831-13 0019 Cancer clinical research - Early detection of familial breast cancer
- ** P02CA-05834-13 0033 Cancer clinical research center - Pre-treatment patient evaluation
- ** P02CA-05834-13 0035 Cancer clinical research center - Subcellular morphological diagnosis of acute leukemia
- P02CA-05837-12 0005 Cancer clinical research - Hematology (human)
- ** P02CA-05838-13 0001 Clinical radiotherapy cancer research center - Diagnostic oncologic radiology
- ** P02CA-05838-13 0005 Clinical radiotherapy cancer research center - Non-Hodgkin's lymphoma
- P02CA-05838-13 0012 Clinical radiotherapy cancer research center - Prostate protocol
- ** P02CA-05838-13 0014 Clinical radiotherapy cancer research center - Radiogallium
- ** P02CA-05838-13 0015 Clinical radiotherapy cancer research center - Bone scanning with radiofluorine and technetium

- P02CA-05838-13 0023 Clinical radiotherapy cancer research center - Hodgkin's disease
- P02CA-05838-13 0029 Clinical radiotherapy cancer research center - Surgical pathology laboratory
- ** R01CA-06263-13 Computer analysis of tumor roentgenograms (human)
- ** P02CA-06516-12 0005 Cancer center support grant-Comprehensive - Evaluation of diagnostic techniques (human)
- P02CA-06519-12 0053 Radiation therapy and biology research program - Studies on the spread of Hodgkins disease
- ** P02CA-06519-12 0056 Radiation therapy and biology research program - Radiation therapy for carcinoma of cervix
- ** P02CA-06551-11 0013 Cancer clinical research - Cancer detection (human)
- R01CA-07339-10 Cytochemical substrates and anti-cancer agents (human, rats)
- ** P01CA-07368-11 0001 Interrelationships of normal and cancer cells - Differential brain tumor diagnosis (human, rats)
- ** P01CA-07368-11 0010 Interrelationships of normal and cancer cells - Electropathology-basic electrophysiology and electroimmunology
- ** P02CA-08023-10 0009 Cancer clinical research center - Cancer detection module
- ** P02CA-08023-10 0012 Cancer clinical research center - Chemical methodology for breast tumor detection
- ** P02CA-08341-09 0047 Clinical pharmacology and cancer chemotherapy - Multiple endocrine neoplasia-family study
- ** P01CA-08748-09 5411 Research program of Sloan-Kettering Institute - Serum high density lipoprotein-2 in cancer patients
- P01CA-08748-09 5542 Research program of Sloan-Kettering Institute - N-13 labeled ammonia as scanning agent (dogs)
- ** P01CA-08748-09 5543 Research program of Sloan-Kettering Institute - Localization of gallium-67 citrate in tissues (human)
- ** P01CA-08748-09 5554 Research program of Sloan-Kettering Institute - Organ uptake of radioactive tracers
- ** P01CA-08748-09 7808 Research program of Sloan-Kettering Institute - Carcinoembryonic antigen in blood of cancer patients
- R10CA-08968-07 Hodgkins disease protocol
- ** R10CA-08970-08 Pathology center for lymphoma clinical trial studies (human)
- ** P01CA-10372-07 Radiobiology-oncology research program
- ** P02CA-10438-08 0024 Clinical radiation therapy research center - CEA antigen (human)
- P02CA-10438-08 0025 Clinical radiation therapy research center - Blocking factors in immune-surveillance of lung neoplasms
- ** P02CA-10438-08 0030 Clinical radiation therapy research center - Urinary cholesterol as a diagnostic tool
- P01CA-10815-06 0051 Consolidated basic cancer research program - Effects of radiolabeled thioracil on survival of melanoma cells (hamsters)
- P02CA-11051-06 0025 Clinical radiation research center - Uniform staging of cancer
- P02CA-11051-06 0058 Clinical radiation research center - Uniform staging of cancer
- ** P02CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
- P02CA-11198-06 0006 Cancer research center - Detection of pancreas and other gastrointestinal neoplasms (rabbits, goats)
- P01CA-11405-06 0008 Core program on etiology of cancer - Characterization of mammary tumor virus in human milk and tissues
- ** P01CA-11536-05 0011 Cell control in integumental cancer - Early diagnosis of cancers and precancers
- ** R01CA-11858-05 Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters)
- ** R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
- R01CA-12109-04 0017 Trophoblastic disease - Early detection and therapy of choriocarcinoma with non-molar gestation
- R01CA-12109-04 0018 Trophoblastic disease - Early detection of choriocarcinoma and invasive mole with hydralid mole
- ** R01CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
- P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
- ** P02CA-12178-04 0006 Radiotherapy-oncology center - Bronchogenic carcinoma
- P02CA-12178-04 0008 Radiotherapy-oncology center - Whole lung irradiation
- P02CA-12247-03 0004 Pediatric oncology center - Bone marrow histopathology (human)
- P02CA-12247-03 0010 Pediatric oncology center - Hepatic cancer of childhood
- P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- R10CA-12271-04 Central oncology group
- R10CA-12272-04 Central oncology group
- R10CA-12275-04 Central oncology group
- R10CA-12277-04 Central oncology group

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 If Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- R10CA-12279-04 Central oncology group
 R10CA-12280-04 Central oncology group
 R10CA-12282-04 Central Oncology Group
 R10CA-12283-04 Central oncology group
 R10CA-12284-04 Central oncology group
 R10CA-12285-04 The central oncology group
 R10CA-12288-04 Central oncology group
 R10CA-12294-04 Central oncology group
 R10CA-12483-04 Gynecologic oncology group
 R10CA-12485-04 Gynecologic oncology group (human)
 R10CA-12534-04 Gynecologic oncology group
 M P01CA-12582-04 Multidisciplinary cancer diagnosis and therapy
- ** R01CA-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
 ** R01CA-12852-03 Tumor detection by nuclear magnetic resonance (rats, mice, human)
 R01CA-12869-04 Kansas breast study (human)
 P02CA-12924-03 0031 Tufts cancer research center - Medullary carcinoma of the thyroid
 ** R01CA-12934-03 Tumorigenic potential in chromosome aberrations (human)
 R01CA-12977-03 Release of fetoglobulin by primary hepatoma (rats)
 ** R01CA-13028-03 Identification of breast cancer isoenzymes (human)
 ** R01CA-13032-03 In vitro system for detection of premalignant carcinoma (mice)
 ** R01CA-13056-03 Characterization of biological tissues by NMR (rats)
 ** R01CA-13077-03 CEA characterization and radioimmunoassay (human, mammals nonhuman)
 P01CA-13095-03 0002 Virology, immunobiology and biochemistry of renal cancer - tumor immunology (human)
 P02CA-13148-03 0002 Pilot cancer center - Hormone assays in gynecologic tumors
 P02CA-13148-03 0004 Pilot cancer center - Application of ultrasound to gynecological tumors (human)
 ** P02CA-13148-03 0005 Pilot cancer center - Colposcopy clinic
 ** P02CA-13148-03 0049 Pilot cancer center - Engineering biophysics core facility
 P02CA-13148-03 0056 Pilot cancer center - Ultrasound in computerized radiation therapy treatment planning
 P02CA-13148-03 0072 Pilot cancer center - Early indicators of endometrial cancer (human)
 ** R01CA-13211-03 Carcinoembryonic antigen and cancer detection (human)
 ** R01CA-13271-06 Automated cancer cell diagnosis by the ticas method
 ** R01CA-13306-02 Early diagnosis of cancer and of cancer metastases (human)
 ** R01CA-13312-02 Field ion mass spectrometry applied to cancer therapy (rats)
 P01CA-13330-03 0008 Cancer research program - Immunology of breast cancer (human, rabbits)
 P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
 P01CA-13343-02 0008 Environmental cancer - Mutagenicity of environmental carcinogens (mice T4)
 ** P01CA-13343-02 0014 Environmental cancer - Assay of genetic damage and cellular proliferation (rodents)
 ** P01CA-13343-02 0022 Environmental cancer - Use of aerosols for lung cancer diagnosis and screening surveys (donkeys, human)
 R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
 ** P01CA-13419-01 Program project in basic oncology
 ** R01CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
 ** R10CA-13446-01 Gynecologic Oncology Group
 R01CA-13451-02 The biology of human neuroblastoma
 ** R01CA-13453-03 Antigens from human cancer tissue
 P02CA-13525-03 0002 Program for treatment of malignant brain tumors - Immunological approach to murine gliomas (rats, mice)
 ** R01CA-13533-03 Ectopic placental proteins in cancer (human)
 ** R10CA-13539-02 Children's cancer study Group A
 P01CA-13556-03 Core program-geometrical epidemiology of cancer
 ** P01CA-13576-02 Exploratory studies in cancer research
 R10CA-13607-03 Hodgkin's disease cooperative study
 R10CA-13631-02 Gynecologic oncology group
 R10CA-13632-03 Gynecologic oncology group
 R10CA-13633-03 Gynecologic oncology group
 R10CA-13641-03 Gynecologic oncology group
 ** R10CA-13651-02 Malignant melanoma group
 ** R10CA-13662-02 Malignant melanoma group
 ** R10CA-13669-02 Malignant melanoma group
 ** R10CA-13671-02 Malignant melanoma group
 P01CA-13694-01 Exploratory studies for cancer research (human)
 M P02CA-13696-02 Clinical cancer research center
 P02CA-13696-02 0001 Clinical cancer research center - Leukemia, lymphoma and myeloma (human)
 ** P02CA-13696-02 0002 Clinical cancer research center - Multiple myeloma and related plasma cell dyscrasia (human)
 P02CA-13696-02 0019 Clinical cancer research center - Immunohistochemical studies of colorectal cancer (human)
 P02CA-13696-02 0027 Clinical cancer research center - Neuroanatomy of CNS tumors-Angiographic morphology and morphometry (human)
 P02CA-13696-02 0030 Clinical cancer research center - Educational programs on diagnosis and treatment of patients with CNS tumors
 ** P02CA-13696-02 0033 Clinical cancer research center - Polyamine metabolism in relation to CNS tumor growth and detection (human)
 ** P02CA-13696-02 0034 Clinical cancer research center - Retinoblastoma (human)
 ** P02CA-13696-02 0039 Clinical cancer research center - Electron microscopy of orbital and adnexal tumors (human)
 ** P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
 ** P02CA-13696-02 0042 Clinical cancer research center - Radiodiagnostic technique-Angiography, arteriography, pancreatography (human)
 ** P02CA-13696-02 0043 Clinical cancer research center - Radiodiagnostic techniques-Retro pancreatography (cats)
 ** P02CA-13696-02 0044 Clinical cancer research center - Evaluation of cancer diagnosis by an ultrasonic imaging system (human)
 ** P02CA-13696-02 0064 Clinical cancer research center - Fluorescent antibody studies (human)
 R01CA-13700-02 Parathyroid hormone and cancer (human)
 R01CA-13746-02 Role recognition factors and macrophages in neoplasia (human, rats)
 P01CA-13750-02 Exploratory studies for cancer research (human)
 ** R01CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
 ** R26CA-13859-03 Administration of the National Bladder Cancer Project
 R10CA-13887-02 Gynecologic oncology group
 ** P02CA-13943-02 0043 Clinical pharmacology immunology cancer research center - Immunological detection of cancer
 ** P02CA-13943-02 0061 Clinical pharmacology immunology cancer research center - Clinical evaluation of patients with CEA antigen without disease
 ** P02CA-13943-02 0062 Clinical pharmacology immunology cancer research center - Mass screening of patients at high risk for carcinoma of stomach
 P02CA-13943-02 0066 Clinical pharmacology immunology cancer research center - Clinical gynecology program
 ** P02CA-13943-02 0067 Clinical pharmacology immunology cancer research center - Immunologic detection and assessment in patients with gynecologic malignancies
 ** R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
 P01CA-14043-01 0007 Radiation therapy clinical and research center - Breast cancer antigens and antibodies in human sera
 P01CA-14089-01 0013 Pilot multidisciplinary cancer research program - Extracellular substances in Wilms' and other tumors (human)
 ** P01CA-14089-01 0043 Pilot multidisciplinary cancer research program - Gynecologic oncology program
 ** P01CA-14089-01 0053 Pilot multidisciplinary cancer research program - Cooperative regional radiotherapy network research
 ** P01CA-14089-01 0059 Pilot multidisciplinary cancer research program - Scintigraphic differentiation of focal hepatic lesions
 ** P01CA-14089-01 0060 Pilot multidisciplinary cancer research program - Regional blood flow in hepatic lesions (human)
 P01CA-14093-02 Exploratory studies in cancer research
 ** R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
 ** R26CA-14135-02 Immunology of bladder tumors (human, rats)
 ** R26CA-14136-02 Cytopathology of urinary bladder carcinoma (human)
 ** R26CA-14137-03 Bladder cancer in meniscus gradient tissue culture (human)
 R26CA-14140-02 Administration of the National Colorectal Cancer Project
 ** R01CA-14189-02 Bronchogenic carcinoma-Early detection and etiology (human)
 P01CA-14236-01 Comprehensive cancer center support grant
 R01CA-14326-02 Host-mediated detection of mutagens with murine cells (mice)
 R01CA-14380-02 Pancreatic ductal versus duodenal secretions (human)
 ** R01CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
 R01CA-14420-02 Blood-group antigens on tumor cell membranes (human, mice, guinea pigs)
 ** R01CA-14464-02 Program on etiology and diagnosis of cancer (human, mammals)
 R01CA-14491-01 Novel transport proteins in hepatoma (human, rabbits)
 P01CA-14499-02 Exploratory studies in cancer research (human)
 R01CA-14502-02 Heteroantiserum to human leukemia-associated antigens (mice)
 ** P02CA-14520-02 0014 Wisconsin Clinical Cancer Center - Quantitative measurements of lung tumors in vivo
 ** P01CA-14599-01 0021 University of Chicago Cancer Research Center - Pathology evaluation of breast (human)
 P01CA-14599-01 0030 University of Chicago Cancer Research Center - Cancer vulnerability in ulcerative and granulomatous colitis (human)
 P01CA-14599-01 0031 University of Chicago Cancer Research Center - Distribution of CEA in diagnostic and immunologic studies (human, rodents)
 P01CA-14599-01 0032 University of Chicago Cancer Research Center - Immunological studies in ulcerative colitis (human)
 P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
 P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
 P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
 P01CA-14599-01 0040 University of Chicago Cancer Research Center - Management of ovarian carcinoma (human)
 R10CA-14678-02 Central Oncology Group
 R01CA-14705-01 Radioiodine uptake and imaging in the human breast
 ** R26CA-14716-02 National prostatic cancer project
 P01CA-14723-02 0005 Experimental cancer immunology - Isolation of Hodgkin's disease tumor-associated antigen (human)
 ** R01CA-14775-02 Tumor immunity related to clinical course and therapy (human)
 ** R01CA-14783-02 Polyamine metabolism in cancer and cancer chemotherapy (mice)
 ** R01CA-14817-02 Cancer diagnosis by magnetic resonance (humans, mice)
 R01CA-14854-01 Cancer cell surface glycoproteins (mice, human)
 ** R26CA-14906-02 Enzymes of normal and malignant intestinal mucosa (rats, human)
 R01CA-14914-01 Lipids in carcinogenesis (rats)
 R26CA-14925-02 Families at high risk of colorectal cancer
 R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer
 R01CA-15039-01 Cytogenetic diagnosis and etiology of human cancer
 ** P02CA-15083-01 0008 Cancer Center Support Grant-Mayo Foundation - Management of breast cancer (human)
 ** P02CA-15083-01 0013 Cancer Center Support Grant-Mayo Foundation - Management of lymphoma (human)
 P02CA-15083-01 0015 Cancer Center Support Grant-Mayo Foundation - Acute leukemia in adults
 R26CA-15126-02 Acid and alkaline phosphatases in prostatic cancer (human)
 P02CA-15145-01 0007 Cancer center support grant - Early detection of choriocarcinoma and invasive mole (human)
 P02CA-15145-01 0011 Cancer center support grant - Chemotherapy of choriocarcinoma and invasive mole (human)
 ** P02CA-15145-01 0012 Cancer center support grant - Detection of choriocarcinoma and invasive mole
 P02CA-15145-01 0019 Cancer center support grant - Cell surface changes during in vitro carcinogenesis
 ** P02CA-15145-01 0053 Cancer center support grant - Breast cancer task force
 ** P02CA-15145-01 0055 Cancer center support grant - Clinical cancer training program
 R01CA-15169-01 Neoproliferation associated with malignant tumors (human, rodents)
 M R01CA-15182-01 In vitro characterization of Hodgkin's disease cells
 ** P01CA-15192-01 Cancer Center Support Grant Specialized
 R01CA-15209-01 X-ray microtomography of various organ systems
 ** R01CA-15256-01 A radioimmunoassay for ovarian cancer (human)
 ** R26CA-15259-02 Iodine 111-anti-CEA for external detection of colonic tumors (mammals, nonhuman)
 ** R26CA-15261-02 Enzymatic tests for carcinoembryonic antigen (human)
 R01CA-15290-01 Cancer spreading factors as a target for zinc therapy
 ** R01CA-15300-01 Application of NMR zeugmatography in cancer research
 ** R01CA-15332-01 Cancer of the endocrine pancreas (human)
 ** R26CA-15412-02 Diagnosis and treatment of bladder cancer in mice
 ** R26CA-15429-01 Detection of early colon cancer (human)
 R26CA-15437-01 Carcino-fetal antigens in prostatic cancers (human)
 ** R26CA-15442-01 Specificity of cell membrane antigens in prostatic cancer (human, rodents)
 ** R26CA-15455-01 Evaluation of extended radiotherapy for prostate neoplasm (human)
 R10CA-15467-01 Southwest Oncology Group
 R10CA-15488-01 Eastern Cooperative Oncology Group
 R26CA-15492-01 Evaluation and management of bladder carcinoma

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- RO1CA-15516-01 ABO(H) blood groups and blood group enzymes in cancer (human, seeds)
- ** R26CA-15553-01 Tumor-specific immunity in bladder cancer (human)
- RO1CA-15556-01 Antigens and immunity in bronchogenic carcinoma (human)
- ** R10CA-15584-01 Southeastern Cancer Study Group
- ** RO1CA-15586-01 Enhancement and cellular injury in tumor systems (rats, human)
- RO1CA-15587-01 Immune surveillance?—Studies on a human cancer model
- ** RO1CA-15619-01 Normal and malignant hematopoietic cell replication (human, rabbits)
- ** PO1CA-15655-01 0035 Cancer center support grant - Early diagnosis of skin cancer by ultraviolet video techniques (human)
- ** PO1CA-15655-01 0037 Cancer center support grant - D-amine acid oxidase and glutathione peroxidase (human)
- ** PO1CA-15655-01 0038 Cancer center support grant - Immunodiagnosis and immunotherapy of cancer (human)
- ** PO1CA-15704-01 0040 Cancer center support grant - Extramural pathology
- ** PO1CA-15704-01 0041 Cancer center support grant - Breast cancer detection
- ** PO1CA-15704-01 0042 Cancer center support grant - Uterine cancer
- ** PO1CA-15704-01 0043 Cancer center support grant - Gynecology
- PO1CA-15704-01 0044 Cancer center support grant - Regional cancer council
- ** PO1CA-15704-01 0045 Cancer center support grant - Affiliated American cancer society programs
- R26CA-15798-01 Histopathological grading of carcinoma of prostate (human)
- ** R26CA-15803-01 Automation of bladder cancer cytology by TCAS (human)
- PO1CA-15820-01 0001 Comparative Oncology Research Program - Animal patient management
- ** PO1CA-15820-01 0002 Comparative Oncology Research Program - Histologic and ultrastructural studies (dogs)
- PO1CA-15822-01 0007 Immunobiology of normal and neoplastic lymphocytes - Surface receptors on human lymphocytes
- RO1CA-15902-01 Computerized roentgenologic /clinical diagnostic methods (human)
- PO1CA-15925-01 Exploratory studies in cancer research (human)
- ** R26CA-15934-01 National Bladder Cancer Collaborative Group A
- M PO1CA-15936-01 Specialized Cancer Center
- ** PO1CA-15936-01 0012 Specialized Cancer Center - Blood component therapy—Platelets (human)
- ** R26CA-15937-01 National Bladder Cancer Collaborative Group A
- ** R26CA-15944-01 Evaluation of bladder cancer patients management
- ** R26CA-15973-01 Genetic studies of heritable colorectal cancer (human)
- R10CA-15975-01 Gynecologic oncology group
- R10CA-15977-01 Gynecologic Oncology Group
- R18CA-15978-01 Clinical and research radiation therapy in cancer care (US, Puerto Rico survey)
- M RO1CA-15979-01 Cholesterol metabolism in normal and malignant liver
- ** RO1CA-15979-01 0003 Cholesterol metabolism in normal and malignant liver - Cholesterol feedback system in vivo (rats, guinea pigs, human)
- R10CA-16020-02 Mycosis fungoides cooperative study
- RO1CA-16071-01 Double HLA antigens in sera of cancer patients
- RO1CA-16096-01 Host-neoplasia interactions in gliomas (human)
- PO1CA-16127-01 0001 Cancer Research and Treatment Center Program - Core morphology research and patient care resource
- ** PO1CA-16127-01 0007 Cancer Research and Treatment Center Program - Immunodiagnosis of cancer-tumor-specific antigens (rabbits, human)
- ** PO1CA-16127-01 0008 Cancer Research and Treatment Center Program - Rosetta-forming cells in neoplasia
- PO1CA-16127-01 0016 Cancer Research and Treatment Center Program - Parathyroid hormone produced by nonparathyroid malignancies (human, mice)
- PO1CA-16127-01 0018 Cancer Research and Treatment Center Program - Isozyme distribution of glyoxalase-I in normal and abnormal tissues (rats)
- RO1CA-16201-01 Lung cancer model for surgical research (dogs)
- RO1CA-16309-01 Carcino fetal isoferitins (human)
- ** RO1CA-16316-01 Melanoma detection with radiopharmaceuticals
- ** RO1CA-16328-01 Polyamine radioimmunoassay in cancer (rabbits, human)
- ** PO1CA-16359-01 0045 Cancer center support grant - Immunoelectrophoretic analysis of human sera
- ** PO1CA-16359-01 0061 Cancer center support grant - Cancer diagnosis—Pulmonary metastases protocol
- ** R18CA-16400-01 0001 Cancer control development grant - Screening (human)
- M R18CA-16401-01 University of Chicago cancer control center
- R18CA-16401-01 0001 University of Chicago cancer control center - Cancer control center coordinating office
- ** R18CA-16401-01 0004 University of Chicago cancer control center - Gynecologic cancer detection and control
- R18CA-16401-01 0007 University of Chicago cancer control center - Early detection and management of gastrointestinal carcinoma
- M R18CA-16402-01 Cancer control development grant
- ** R18CA-16402-01 0001 Cancer control development grant - Model referral system for cancer therapy (adults, children)
- ** R18CA-16402-01 0002 Cancer control development grant - Medical education and communications (medical and allied personnel)
- M R18CA-16404-01 Cancer control development grant
- R18CA-16404-01 0001 Cancer control development grant - Social epidemiology of cancer care delivery and control
- ** R18CA-16404-01 0002 Cancer control development grant - Health behavior and community health education
- ** R18CA-16404-01 0003 Cancer control development grant - Affiliated American Cancer Society programs in prevention and detection
- ** R18CA-16404-01 0006 Cancer control development grant - GYNE-Corps demonstration project for cancer screening and control
- ** R18CA-16404-01 0007 Cancer control development grant - Library service and information program
- R18CA-16404-01 0008 Cancer control development grant - Northwest cooperative cancer study group
- R18CA-16404-01 0009 Cancer control development grant - Cancer committee chairman
- R18CA-16404-01 0010 Cancer control development grant - Prototype chemotherapy program
- ** R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
- M R18CA-16405-01 Development of regional cancer control program
- R18CA-16405-01 0001 Development of regional cancer control program - Endocrine studies in breast cancer screening (human)
- ** R18CA-16405-01 0002 Development of regional cancer control program - Colposcopy program (human)
- R18CA-16405-01 0003 Development of regional cancer control program - Childhood cancer control (human)
- R18CA-16405-01 0004 Development of regional cancer control program - Regional affiliation for cooperative studies of hematological malignancy (human)
- R18CA-16408-01 Cancer control developmental grant
- ** R18CA-16409-01 0001 Cancer control developmental grant - Satellite colposcopy clinics for cancer detection
- ** R18CA-16409-01 0004 Cancer control developmental grant - OB-GYN nurse practitioner program
- ** R18CA-16409-01 0005 Cancer control developmental grant - Mist program
- R18CA-16419-01 Evaluation of impact of cancer control programs
- R26CA-16436-01 National head and neck cancer project
- ** R26CA-16723-01 Radioiodinated antiserum to carcinoembryonic antigen (human)
- R26CA-16724-01 Familial polyposis—A clinical and immunological study
- ** R26CA-16736-01 Enzymes in diagnosis and staging of prostatic cancer (human)
- R26CA-16769-01 CEA in urogenital carcinomas (human)
- ** RO1CA-17089-01 Early diagnosis of cancer and of cancer metastases (human)
- NO1CB-22000-07 Detection and localization of bronchogenic carcinoma
- ** NO1CB-23858-02 Diagnostic characterization of mammary tumors (human)
- NO1CB-23872-05 Ultrasound mammography
- ** NO1CB-23890-03 Syngenic cell, immunologic technique, inducing factors for leukemia cell (mice)
- ** NO1CB-33862-02 Slit-scan technique for cancer detection in cytology
- ** NO1CB-33875-03 Immunodiagnosis of human malignancy
- ** NO1CB-43859-00 Biochemistry and diagnostic use of human tumor antigens
- ** NO1CB-43860-00 Development of immunodiagnostic tests for cancer
- ** NO1CB-43869-00 Mass screening for breast cancer (human)
- NO1CB-43878-00 Transfer factor therapy of sarcoma (human)
- ** NO1CB-43887-00 Evaluation of assay for circulating tumor associated antigens (human)
- ** NO1CB-43889-00 New human tumor-associated antigens of the GI tract
- ** NO1CB-43891-00 Animal models for circulating tumor associated antigens (Holtzman rats)
- ** NO1CB-43897-00 Steroid sulfate as diagnostic parameters in breast cancer
- ** NO1CB-43898-00 Steroid sulfate as diagnostic parameters in breast cancer
- ** NO1CB-43902-00 Biochemical markers or enzyme changes that presage the presence of cancer (human)
- ** NO1CB-43903-00 Hormone markers for the detection and diagnosis of cancer (human)
- NO1CB-43911-00 Nuclear magnetic resonance in neoplastic and non-neoplastic tissues
- ** NO1CB-43976-00 Early detection of pancreatic cancer (human)
- ** NO1CB-43977-00 Biochemical markers or enzyme changes that presage the presence of cancer (human)
- ** NO1CB-43979-00 NMR studies in neoplastic and non-neoplastic tissues
- NO1CB-43992-00 Clinical application of electron radiography
- NO1CB-44011-00 Xeromammography versus film mammography (human)
- NO1CB-44012-00 Xeromammography versus film mammography (human)
- ** NO1CM-33716-01 Computerized medical information system (human)
- ** NO1CN-35004-02 Demonstration project on earlier detection of breast cancer
- ** NO1CN-35012-04 Demonstration project on earlier detection of breast cancer (human)
- ** NO1CN-35016-02 Breast cancer detection demonstration project
- NO1CN-35018-02 Breast cancer detection demonstration project
- ** NO1CN-35020-03 Breast cancer detection demonstration project
- ** NO1CN-35022-03 Programs to achieve early detection of breast cancer
- ** NO1CN-35024-01 Breast cancer detection demonstration project
- ** NO1CN-35026-02 Breast cancer detection demonstration project
- NO1CN-35027-02 Evaluation of thermography in mass screening for breast cancer (human)
- ** NO1CN-35029-01 Breast cancer detection demonstration project
- ** NO1CN-45007-01 Effect of early detection and treatment on survival from lung cancer
- NO1CN-45037-00 Lung cancer control—Detection and therapy
- ** NO1CN-45046-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45047-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45049-00 Demonstration project on the earlier detection of breast cancer
- ** NO1CN-45059-00 A critical evaluation of mass screening for uterine cancer (human)
- ** NO1CN-45062-00 Early detection of breast cancer (human)
- ** NO1CN-45064-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45065-00 Demonstration project on the earlier detection of breast cancer
- ** NO1CN-45067-00 Breast cancer detection demonstration project
- ** NO1CN-45068-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45074-00 Expansion Connecticut's cervical cancer screening program
- ** NO1CN-45076-00 Cervical cancer screening program (human)
- ** NO1CN-45077-00 Expansion of Oklahoma's cervical cancer screening program
- ** NO1CN-45078-00 Cervical cancer screening program (human)
- ** NO1CN-45079-00 Ohio Department of Health cervical cancer screening program
- ** NO1CN-45080-00 Louisiana state cervical cancer screening program
- ** NO1CN-45081-00 Nebraska state cervical cancer screening program
- ** NO1CN-45083-00 Expansion of Kentucky cervical cancer screening program
- NO1CN-45084-00 Expansion of South Carolina's cervical cancer screening program
- ** NO1CN-45085-00 Establishing a Tennessee cervical cancer screening program
- ** NO1CN-45086-00 Expansion Mississippi's cervical cancer screening program
- ** NO1CN-45091-00 Expansion of New York's cervical cancer screening program
- ** NO1CN-45096-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45103-00 Cervical cancer screening program (human)
- NO1CN-45104-00 Planning for a cervical cancer screening program
- NO1CN-45105-00 Planning for a cervical cancer screening program
- NO1CN-45106-00 Planning for a cervical cancer screening center
- NO1CN-45107-00 Planning for a cervical cancer screening program
- NO1CN-45108-00 Planning for a cervical cancer screening program
- NO1CN-45109-00 Planning for a cervical cancer screening center
- NO1CN-45110-00 Planning for a cervical cancer screening program
- NO1CN-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)
- NO1CN-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)
- NO1CN-45133-01 Demonstration of cancer rehabilitation facilities and/or departments (human)
- NO1CO-45425-01 Resources analysis and planning for NCP

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- NO1CP-33215-01 Epidemiologic study of colon cancer in blacks
 NO1CP-33229-03 Study carcinogenicity of heavy metals (rats)
 NO1CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
 NO1CP-33344-03 Develop population based cancer registry
 NO1CP-33380-02 Fecal flora studies
 NO1CP-33398-01 Immunologic responses of breast cancer
 NO1CP-43202-00 Atomic bomb casualty commission study
 NO1CP-43282-00 Incidence of colon cancer among blacks, Spanish Americans and whites
 NO1CP-43287-00 Correlation of molecular virology to diagnosis of breast cancer
 NO1CP-43325-00 Relationship of embryonic antigens to virus-induced tumor antigens (mammals)
 NO1CP-43364-00 Biomedical computing services in clinical and diagnostic trials program
 NO1CP-43370-00 Immunological studies on breast carcinoma (human, mice)
 ROIDE-03969-01 Infrared emissivity of tooth and intraoral mucosa
 ROIEY-01212-01 Ultrasonic evaluation of ocular tissues (human)
 ROIEY-01218-01 Ultrasonic evaluation of ocular tissues (human)
 RO1GM-10797-09 0005 Pattern recognition in clinical medical laboratories - Papanicolaou smears
 RO1GM-10797-09 0006 Pattern recognition in clinical medical laboratories - Lung X-rays
 RO1GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
 RO1GM-17367-05 Automated cell sorting-Clinical and biological uses (human, mammals nonhuman)
 PO1GM-18940-02 0005 Study of radiologic images - Development of new radionuclide imaging agents and procedures (human, mice)
 PO1GM-19100-03 0030 Genetics research center - Chromosomal aberrations in acute and chronic leukemia (human)
 PO1GM-19428-03 0002 Computer aided biomedical pattern recognition - Differential cell identification of white cells (human)
 PO1GM-19428-03 0003 Computer aided biomedical pattern recognition - Adhesiveness of white blood cells (human)
 PO1GM-19443-03 0009 Problems in clinical genetics - Cytogenetics
 PO1GM-19443-03 0038 Problems in clinical genetics - Radioimmunoassay
 PO1GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
 PO1GM-19513-03 0015 Human genetics - Genetics of malignant cells (human, mice)
 PO1GM-19513-03 0019 Human genetics - Nature of germinal and somatic mutations in cancer
 RO1GM-20901-01 Flow systems-Cell preparation, cytochemistry, pathology (human, animals)
 RO1HL-16775-01 Cystic disease of the kidney (rats)
 PO1MH-11668-09 0036 Psychosocial factors in health and disease - Behavioral correlations of carcinomatous changes in cervix
 PO1MH-11668-09 0096 Psychosocial factors in health and disease - Psychology of the cancer patient
 PO1MH-11668-09 0097 Psychosocial factors in health and disease - Evaluating the coping patterns of cancer patients
 RO1NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
 RO1NS-10551-08 Cancer of the larynx by serial sections (human)
 NO1NS-22301-02 Cytologic and immunologic studies of herpes virus induction of cancer (monkeys)
 MO1RR-00030-13 0127 General clinical research center - Familial endocrine neoplasia
 MO1RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
 MO1RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
 MO1RR-00034-14 0091 General clinical research center - Inherited medullary carcinoma of the thyroid (human)
 MO1RR-00042-14 0024 General clinical research center - Methioquin iodine 131 therapy in malignant melanoma (human)
 MO1RR-00042-14 0036 General clinical research center - Nineteen-iodine 125-iodocholesterol scanning of adrenal gland (human)
 MO1RR-00048-13 0006 Clinical center - Chemotherapy and choriocarcinoma (human)
 MO1RR-00051-13 0080 General clinical research center - Polycystic kidney study (human)
 MO1RR-00053-13 0067 Clinical research center - Steroid metabolism in breast cancer (human)
 MO1RR-00054-13 0037 General clinical research center - Medullary carcinoma of thyroid (human)
 MO1RR-00065-12 0030 General clinical research center - Lipid metabolism of cancer patients
 MO1RR-00065-12 0047 General clinical research center - Conversion of 14C tripalmitate to 14CO₂ by cancer patients
 MO1RR-00081-12 0035 General clinical research center, premature infants - Insulin suppression test for islet hyperplasia or islet cell adenoma
 MO1RR-00083-12 0004 General clinical research center - Localization of aldosterone-producing adenoma (human)
 MO1RR-00096-14 0065 Clinical research center - Thyroid echography (human)
 MO1RR-00189-10 0083 General clinical research center for children - Nuclear magnetic resonance spectroscopy of neoplastic tissues
 MO1RR-00262-09 0004 General clinical research center - Exploratory laparotomy in staging of malignant lymphoma (human)
 MO1RR-00334-08 0042 General clinical research center - Modularity carcinoma of the thyroid (human)
 MO1RR-00425-06 0051 General clinical research center - Thoracic surgical clinical research project (human)
 PO7RR-00719-01 Biomedical, clinical mass spectrometry research
 MO1RR-00722-02 0020 General Clinical Research Center - Hereditary polyposis of the bowel (human)
 MO1RR-00065-01 0010 General clinical research center - Circulating thyroglobulin in thyroid carcinoma (human)
- NEOPLASMS DIAGNOSIS, SPECIFIC RED CELL ADHERENCE TEST**
 R26CA-14906-02 Enzymes of normal and malignant intestinal mucosa (rats, human)
- NEOPLASMS EPIDEMIOLOGY**
 SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
- NEOPLASMS GENETICS**
 SEE ALSO NEOPLASMS, MOLECULAR LEVEL STUDIES
 RO1AI-10136-03 Pathology and pathogenesis of host versus graft disease (mice)
 PO1AM-00002-28 0013 Metabolic and hereditary disorders - Chromosomal disorders (human)
 RO1AM-11234-07 Genetics of murine plasmacytomas and autoimmunity
 RO1AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
 RO1CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)
 R10CA-05186-14 Western cancer study group
 RO1CA-05387-12 Tumor initiation in vitro (crown gall tumor, bean leaves)
 PO2CA-05831-13 0019 Cancer clinical research - Early detection of familial breast cancer
 PO2CA-05831-13 0042 Cancer clinical research - Genetic variation in enzymes which modify chemical carcinogens
 M PO2CA-06516-12 Cancer center support grant-Comprehensive
 PO2CA-06516-12 0001 Cancer center support grant-Comprehensive - Development of a program in human cytogenetics
 RO1CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
 R10CA-10572-06 Eastern cooperative oncology group
 RO1CA-11224-06 0001 Neurooncogenesis by reosptive carcinogens - Interactions of N-nitrosoureas with cellular components (rats)
 RO1CA-12141-04 Phenotypic analysis of chemical carcinogenesis (rats)
 RO1CA-12152-04 Immunoglobulin synthesis by malignant plasma cells (mice, human)
 RO1CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
 RO1CA-12906-03 Benzpyrene hydroxylase and carcinogenesis (mice)
 RO1CA-12934-03 Tumorigenic potential in chromosome aberrations (human)
 RO1CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
 M PO1CA-13330-03 Cancer research program
 PO1CA-13330-03 0018 Cancer research program - Murine normal lymphoid and tumor cells
 PO1CA-13330-03 0020 Cancer research program - Somatic cell genetics of immunoglobulin production (human, mice)
 PO1CA-13330-03 0044 Cancer research program - Genetic and immunologic factors in viral leukemogenesis (mice)
 RO1CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
 RO1CA-13333-03 Murine myeloma tumor studies
 PO1CA-13343-02 0004 Environmental cancer - Cytogenetics of carcinogenesis, mutagenesis and tumor reversion (mice)
 PO1CA-13343-02 0014 Environmental cancer - Assay of genetic damage and cellular proliferation (rodents)
 RO1CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
 RO1CA-14054-02 Malignant behavior and cellular antigen expression (mice, human)
 PO1CA-14195-01 0018 Core grant-Regulation, the cell membrane and cancer - Genetic defects in immunological defenses (mice)
 PO1CA-14195-01 0022 Core grant-Regulation, the cell membrane and cancer - Modification of response of T and B cells to TSTA
 RO1CA-14278-01 Growth and maturation of hematopoietic stem cells (human, animals)
 PO1CA-14599-01 0030 University of Chicago Cancer Research Center - Cancer vulnerability in ulcerative and granulomatous colitis (human)
- PO1CA-14599-01 0031 University of Chicago Cancer Research Center - Distribution of CEA in diagnostic and immunologic studies (human, rodents)
 PO1CA-14599-01 0037 University of Chicago Cancer Research Center - Neoplasia in childhood-Cell susceptibility to transformation
 RO1CA-15018-01 Human hematopoietic and cancer cells
 RO1CA-15044-01 Pathogenetic determinants of human CNS tumors
 PO2CA-15083-01 0006 Cancer Center Support Grant-Mayo Foundation - Basic science in cancer
 PO2CA-15083-01 0015 Cancer Center Support Grant-Mayo Foundation - Acute leukemia in adults
 PO2CA-15145-01 0036 Cancer center support grant - Translation phenomena in normal and neoplastic cells
 RO1CA-15207-01 Neoplasia-predisposing genes in cell culture (human)
 RO1CA-15208-01 Somatic mutation and chemical carcinogenesis (hamsters)
 RO1CA-15222-01 Chemistry and metabolism of hepatoma alpha fetoprotein (rats)
 RO1CA-15389-01 Fate of RNA in malignant and normal cells (mice, Xenopus)
 R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
 R10CA-15467-01 Southwest Oncology Group
 PO1CA-15655-01 0005 Cancer center support grant - Virus etiology in neoplasms in ethnic in Hawaii
 PO1CA-15655-01 0009 Cancer center support grant - Genetic studies in cancer (human, animals)
 PO1CA-15655-01 0033 Cancer center support grant - Cytogenetic screening-Hematologic disorders (human)
 PO1CA-15655-01 0034 Cancer center support grant - Cytogenetic screening-Endometrial disorders (human)
 RO1CA-15716-01 Genetic studies of RNA tumor viruses (birds, chick embryo)
 PO1CA-15822-01 0006 Immunobiology of normal and neoplastic lymphocytes - Genetic aspects of immune surveillance (mice)
 R26CA-15973-01 Genetic studies of heritable colorectal cancer (human)
 RO1CA-16063-01 Etiology of canine transmissible sarcoma
 M PO1CA-16127-01 Cancer Research and Treatment Center Program
 PO1CA-16127-01 0005 Cancer Research and Treatment Center Program - Hereditary antigenic determinants in monoclonal proteins (human)
 PO1CA-16127-01 0009 Cancer Research and Treatment Center Program - Relationships between immunoglobulin allotypic markers and cancer (human)
 RO1CA-16207-01 Characterization of malignant cell variants
 RO1CA-16227-01 Factors influencing leukemic transformation in vivo (mice, *Gress virus*)
 PO1CA-16246-01 0004 Integrated tumor biology program - Genetics of tumor induction by Rous virus (mice)
 PO1CA-16247-01 0003 Immunologic aspects of cancer - Genetic control of the response to plasma cytoma antigens (mice)
 RO1CA-16251-01 Mouse leukemia and autoimmunity-Host-virus relations (mice)
 RO1CA-16309-01 Carcino fetal isoferritins (human)
 RO1CA-16327-01 Human biochemical genetics-Transfer RNA in leukemia
 PO1CA-16368-01 Control of differentiation of erythroleukemic cells (human, mice)
 R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
 R26CA-16724-01 Familial polyposis-A clinical and immunological study
 NO1CB-43939-00 Aryl hydrocarbon and 16d hydroxylase in high and low risk breast cancer (human)
 NO1CB-43972-00 Genetic control of immune response to cancer
 NO1CB-43973-00 Familiality of breast cancer in Iceland
 NO1CB-44002-00 Biochemical and physiological investigations in familial genetic patterns
 NO1CB-44004-00 Genetic polymorphism in high and low risk breast cancer families
 NO1CM-33728-02 Chemotherapy, drug distribution and genetic center
 NO1CP-33368-01 Immunogenetic studies on breast cancer and leukemia (mice, human)
 NO1CP-43211-02 Viruses, genetics and immunity in the etiology of human cancer
 NO1CP-43306-00 Electron microscopic studies of tumor virus nucleic studies
 NO1CP-43336-00 Epidemiologic studies in etiology of cancer in veterans
 RO1ES-00505-08 Correlation of carcinogenicity and mutagenicity (yeast, viruses, rodents, human)
 PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
 RO1GM-17995-03 Embryonic chromosomal proteins and their RNA templates (sea urchins)
 RO1GM-18012-04 Biochemical and genetic studies of DNA synthesis (viruses and bacteria)
 PO1GM-19100-03 0012 Genetics research center - Attempts to correct genetic defects in somatic cells (human, mice)
 PO1GM-19100-03 0016 Genetics research center - Immunogenetics (mice, viruses)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01GM-19100-03 0027 Genetics research center - Somatic cell genetics (mice, hamsters, chickens, human)
- ** P01GM-19100-03 0028 Genetics research center - Genetic differentiation of erythroleukemia cells (mice, human)
- P01GM-19100-03 0030 Genetics research center - Chromosomal aberrations in acute and chronic leukemia (human)
- P01GM-19443-03 0038 Problems in clinical genetics - Radioimmunoassay
- ** P01GM-19513-03 0019 Human genetics - Nature of germinal and somatic mutations in cancer
- R01GM-20535-01 Gene regulation during cell cycle by acidic nuclear prot (human)
- R01HD-04134-06 Cytological studies in human genetics
- P01HD-05523-04 0005 Analysis of genetic effects on aging - Life span shortening effects of mutant alleles at the W locus (mice)
- ** R01HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)
- ** M01RR-00034-14 0091 General clinical research center - Inherited medullary carcinoma of the thyroid (human)
- M01RR-00054-13 0037 General clinical research center - Medullary carcinoma of thyroid (human)
- ** M01RR-00827-01 0002 General clinical research center - Fetal gene expression in cancer-prone families
- ** M01RR-00833-01 0022 General clinical research center - Quantitative expression of HLA antigen on leukocytes of leukemia patients

NEOPLASMS IMMUNIZATION (IMMUNOTHERAPY)

- P02AI-06320-10 0009 Transplantation immunology center - Biological activities of purified fractions against murine sarcoma
- P01AI-07007-09 0002 Immunopathologic studies - Tumor immunology, cellular immunology
- R01AI-10630-03 Cell cooperation in immune responses (guinea pigs)
- ** P01AM-10824-08 0009 Cellular immunity - Adoptive immunity to tumors (mice)
- ** P01AM-10824-08 0010 Cellular immunity - RNA mediated transfer of tumor immunity (mice, guinea pigs)
- ** P01AM-10824-08 0011 Cellular immunity - Mechanism of RNA mediated transfer of immunity (mammals)
- R10CA-03013-18 Southeastern cancer chemotherapy study group
- R10CA-03227-18 Southeastern cancer study group
- R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
- R10CA-03754-17 Southwest cancer chemotherapy study group-Data management
- R10CA-04457-15 Acute leukemia group B
- P01CA-04486-15 0001 Pathology of the digestive tract mucous membrane - Clinical and morphologic studies of CEA
- ** R10CA-05436-14 Childrens cancer study group A
- ** P02CA-05826-13 0034 Clinical cancer research center - Cancer Chemotherapy Central Clinical Facility
- ** P02CA-05826-13 0040 Clinical cancer research center - Cancer immunobiology-immunotherapy of human cancer
- P02CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
- P02CA-05826-13 0090 Clinical cancer research center - Pediatric oncology-osteogenic sarcoma
- P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- ** P02CA-05831-13 0016 Cancer clinical research - Immunological studies of patients with solid tumors
- P02CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)
- P02CA-08831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
- ** P02CA-05834-13 0037 Cancer clinical research center - Immunotherapy studies-Leukemia (human)
- ** P02CA-05837-12 0003 Cancer clinical research - Immunotherapy (human)
- R01CA-05949-13 Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice)
- ** R01CA-05985-13 0002 Stages of carcinogenesis of the cervix uteri in mice - Arrest of Hodgkins-like tumors by immunotherapy (mice SJL/J)
- R01CA-05985-13 0003 Stages of carcinogenesis of the cervix uteri in mice - Action of steel alleles in susceptibility to viral leukemogenesis (mice)
- ** P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
- P02CA-06516-12 0022 Cancer center support grant-Comprehensive - Mechanism of SV40 protection (mice)
- ** P02CA-06516-12 0024 Cancer center support grant-Comprehensive - Investigation of immune response in cancer patients
- P02CA-06516-12 0025 Cancer center support grant-Comprehensive - Heterotransplantation approaches to human leukemia and lymphoma (hamsters, rats)
- P02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
- P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- P02CA-06973-12 0017 Integrated clinical cancer research program - Malignant melanoma (human)

- P02CA-06973-12 0025 Integrated clinical cancer research program - Transplantation biology (human)
- ** R01CA-07191-11 Lymphoblastin in cell-mediated tumor immunity (human, mice)
- P02CA-07357-10 0017 Special children's cancer center program - Immune responsiveness in patients with cancer
- ** P01CA-07368-11 0003 Interrelationships of normal and cancer cells - Chemo-immunotherapy (mice, rabbits)
- R10CA-07439-11 Childrens cancer study group A
- ** P02CA-08341-09 0042 Clinical pharmacology and cancer chemotherapy - IBM cell separator program
- R01CA-08593-06 Immune responses to tumor grafts (mice, sheep)
- P01CA-08748-09 5927 Research program of Sloan-Kettering Institute - HL-A antigens in women with trophoblastic neoplasms
- ** P01CA-08748-09 6808 Research program of Sloan-Kettering Institute - Mixed bacterial toxins as immunopotentiators in cancer therapy (dogs, cats)
- P02CA-08832-08 0107 An integrated study of advanced malignant diseases - Cell-mediated immunity in malignant teratoma (human)
- ** P02CA-08832-08 0138 An integrated study of advanced malignant diseases - Medial systems of immunotherapy in the mouse
- ** P02CA-08832-08 0143 An integrated study of advanced malignant diseases - Medial systems for in vitro immunization for immunotherapy
- ** P02CA-08832-08 0144 An integrated study of advanced malignant diseases - Clinical immunotherapy of solid tumors
- R10CA-08859-08 Leukemia center (platelets) program-SWG
- R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- ** R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- P01CA-10372-07 Radiobiology-oncology research program
- ** R10CA-10382-08 Childrens cancer study group A
- ** P02CA-10438-08 0026 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (also human, tissue culture)
- ** P02CA-10438-08 0034 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (mice)
- P01CA-10748-07 0011 Cancer chemotherapy program - Immunosuppression by antimetabolites and tumor immunology (human, rats, mice)
- P01CA-10815-06 0069 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncornavirus (mice)
- P01CA-10815-06 0010 Consolidated basic cancer research program - Immunization with fetal tissue (hamsters)
- ** P01CA-10815-06 0017 Consolidated basic cancer research program - Immunotherapeutic and immunoprophylactic techniques in canine and murine tumors
- P01CA-10893-06 0019 Cancer Research Center - Cancer immunology-Approaches with SV40-induced tumors (mice, hamsters, human)
- P02CA-10895-06 0001 Adult leukemia research center - Bone marrow transplantation (human)
- ** P02CA-10895-06 0008 Adult leukemia research center - Immunotherapy studies (human)
- R10CA-11028-07 Acute leukemia group B
- ** P02CA-11067-05 0016 Clinical cancer research center - Adoptive immunotherapy in patients with advanced cancer
- R10CA-11174-06 Childrens cancer study group A
- R01CA-11224-06 0003 Neurooncogenesis by repressive carcinogens - Immunologic rejection of brain tumors (rats)
- R10CA-11233-06 Southwestern cooperative chemotherapy study group
- R10CA-11263-06 Southeastern group statistical services
- P02CA-11265-05 0033 General clinical cancer research center - Blood cell separator (human, rabbits, monkeys, chimpanzees)
- R10CA-11488-05 Eortic coordinating agency and data center
- ** P01CA-11536-05 0010 Cell control in integumental cancer - Cancer chemotherapy and immunotherapy (mice)
- ** R01CA-11605-06 Immunological reactivity in special circumstances (mice)
- R01CA-11650-03 Immunochemical isolation of tumor specific antigens (hamsters, SV40 virus)
- ** R10CA-11844-17 Pediatric malignancies-Southwest Oncology Group
- ** R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- ** R01CA-12089-04 Immunology of chemically modified cancer cell (mice)
- ** R01CA-12243-03 Immunologic stimulation in lymphoma and leukemia (human)
- ** R10CA-12272-04 Central oncology group
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*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- P01CA-14043-01 0005 Radiation therapy clinical and research center - Effect of BCG and radiation on Hodgkin's-like sarcoma (mice)
- ** P01CA-14043-01 0006 Radiation therapy clinical and research center - Immunology of primary murine tumors
- ** R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- ** R01CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
- ** R01CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
- ** R01CA-14125-01 A mathematical model for quantitation of cancer cells (mice)
- ** P01CA-14195-01 0013 Core grant-Regulation, the cell membrane and cancer - Live cell immunogens for tumor rejection (rats)
- ** P01CA-14195-01 0021 Core grant-Regulation, the cell membrane and cancer - Synthetic tumor antigens
- ** R01CA-14327-02 Transfer factor immunotherapy of cancer
- ** R01CA-14460-01 Immunotherapy combined with surgery and chemotherapy
- R01CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- R01CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)
- R01CA-14502-02 Heteroantiserum to human leukemia-associated antigens (mice)
- R10CA-14557-01 Children's cancer study group A
- ** R01CA-14562-02 Immunomodification of immune response and tumor growth (mice, rabbits)
- ** P01CA-14599-01 0005 University of Chicago Cancer Research Center - Immunity and neoplastic disease (mice, chickens, human)
- ** P01CA-14599-01 0006 University of Chicago Cancer Research Center - Approach to immunotherapy of lung cancer (human)
- P01CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
- P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
- R01CA-14651-01 Immunohistochemistry of glial brain tumor cells (rats, rabbits, human)
- ** R10CA-14678-02 Central Oncology Group
- ** R01CA-14692-02 Cancer cell survival and mechanisms of cytotoxicity (human, mice)
- ** R01CA-14693-02 RNA mediated abrogation of lung cancer induced energy (human, guinea pigs)
- ** R01CA-14697-02 Specific anti-tumor activity by 'armed' lymphoid cells (mice)
- R26CA-14716-02 National prostatic cancer project
- ** P01CA-14723-02 0004 Experimental cancer immunology - Non-specific augmentation of tumor-specific immunity (rats, mice, hamsters)
- ** P01CA-14723-02 0007 Experimental cancer immunology - Role of mononuclear phagocytes in tumor immunity (mice)
- ** R01CA-14782-02 Antigenic strength of nonviral tumors (mice)
- P01CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- ** P01CA-14801-02 0012 Chemotherapy and regulation of oncogenic viruses - Antiviral agents and immunotherapy in murine leukemia
- ** R01CA-14839-01 Induction of specific cell mediated immunity to neoplasia (guinea pigs)
- ** R01CA-14846-02 Mechanism of action of antitumor immune RNA (rodents)
- ** R01CA-14864-01 Leukocyte transfusions and immunotherapy in leukemia
- ** R26CA-14924-02 Immunity to colonic carcinomas in rats and man
- R01CA-14939-02 Biology of SV40 specific transplantation antigen (mice, hamsters)
- ** R10CA-14963-01 Central oncology group
- ** R01CA-14984-01 Immunological aspects of cancer prognosis
- R01CA-15009-01 Cell-associated tumor immunity in acute leukemia
- P02CA-15083-01 0013 Cancer Center Support Grant-Mayo Foundation - Management of lymphoma (human)
- P02CA-15145-01 0011 Cancer center support grant - Chemotherapy of choriocarcinoma and invasive mole (human)
- ** P02CA-15145-01 0029 Cancer center support grant - Immunologic approach to trophoblastic disease (human)
- P02CA-15145-01 0041 Cancer center support grant - Children's cancer study group A
- P02CA-15145-01 0046 Cancer center support grant - Rapid detection of infection in cancer patients
- R01CA-15182-01 0002 In vitro characterization of Hodgkin's disease cells - Isolation and characterization of tumor associated antigens (human, hamsters)
- ** R01CA-15240-01 Non-specific resistance to syngeneic tumors (mice)
- ** R10CA-15241-02 Central oncology group
- ** R01CA-15372-01 Immunotherapy of cancer with lymphoid extracts (human, mice, guinea pigs)
- R01CA-15373-01 Circulating immune complexes in human cancer
- R10CA-15457-01 Western Cancer Study Group
- ** R26CA-15458-01 Adjuvant immunotherapy to surgery in colorectal cancer
- ** R10CA-15467-01 Southwest Oncology Group
- R10CA-15578-01 Southeastern Cancer Study Group
- ** P02CA-15688-01 0017 Program in medical oncology - Chemotherapy-immunotherapy of malignant melanoma
- ** R01CA-15691-01 Immunotherapy in lung carcinoma with autologous tumor (mice, human)
- P01CA-15704-01 0001 Cancer center support grant - Tumor immunology (rats, human, mice)
- ** R01CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
- R01CA-15811-01 Host resistant to cancer (human, mice)
- ** R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
- ** P01CA-15848-01 New approaches to tumor immunotherapy
- R01CA-15860-01 Program for development of new antitumor enzymes (mice)
- R01CA-15865-01 Inhibition of melanomas by cell walls and lipids (mycobacterium, mice)
- M P01CA-15936-01 Specialized Cancer Center
- P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
- ** P01CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
- ** R01CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)
- ** R01CA-15960-01 Immunotherapy of memory tumors (mice)
- R01CA-16011-01 Opsonic and phagocytic activity during tumor growth (rats)
- ** R01CA-16089-01 Immunotherapy and dynamics of the metastatic process (mice)
- M P01CA-16127-01 Cancer Research and Treatment Center Program
- ** P01CA-16127-01 0010 Cancer Research and Treatment Center Program - Transfer factor therapy in osteogenic sarcoma
- R01CA-16128-01 Interferon and the immune response in cancer patients
- ** P01CA-16247-01 0006 Immunologic aspects of cancer - Transfer factor and other potential mediators of tumor immunity (human, mice)
- ** P01CA-16247-01 0008 Immunologic aspects of cancer - Treatment with transfer factor and immune response (human)
- ** P01CA-16247-01 0012 Immunologic aspects of cancer - Specific immunotherapy (rabbits, human)
- R26CA-16276-01 National program for pancreatic cancer
- ** R01CA-16342-01 Immunoproliferation and immunotherapy of lung cancer
- P01CA-16359-01 0002 Cancer center support grant - Isolation of lymphocytes using electronic cell sorter
- P01CA-16359-01 0032 Cancer center support grant - Extended use of B and T-lymphocyte markers (human)
- ** P01CA-16359-01 0044 Cancer center support grant - Immunization of mice with dinitrophenylated tumor (mice)
- R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
- ** R26CA-16426-01 Antigenic components of human prostatic adenocarcinoma (mice)
- ** R26CA-16880-01 Bladder cancer-immunology, immunotherapy, and virology (mammals, nonhuman)
- ** R01CA-16898-01 Activated lymphocytes for immunotherapy of neoplasms (human)
- ** R01CA-17025-01 Mode of action of a stimulator of tumor resistance
- ** R01CA-17104-01 RNA-associated transfer factors in tumor immunity
- N01CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
- ** N01CB-23890-03 Syngenic cell, immunologic technique, inducing factors for leukemia cell (mice)
- ** N01CB-33866-01 T-lymphocytes in tumor associated immunity (mice)
- ** N01CB-33896-02 Tumor immunity and immunotherapy of rat mammary tumor
- ** N01CB-43852-00 Human melanoma-evaluation of BCG immunotherapy
- ** N01CB-43864-00 Immunotherapy-Animal models to evaluate therapy with neuraminidase
- ** N01CB-43865-00 Immunotherapy-Animal models for neuraminidase therapy evaluation
- ** N01CB-43874-00 Circulating tumor antigens in immunotherapy (rats)
- ** N01CB-43876-00 Hybrid tumor cells-An immunotherapeutic agent
- ** N01CB-43878-00 Transfer factor therapy of sarcoma (human)
- ** N01CB-43879-00 Chemoimmunotherapy of acute myelocytic leukemia (human)
- N01CB-43917-00 Therapy of carcinoma of the breast (human)
- N01CB-43930-00 Mechanisms by which tumors avoid immune destruction (mice C57 B/6)
- ** N01CB-43932-00 Mechanisms for cell-mediated destruction of tumor cells
- ** N01CB-43949-00 Subcellular fraction in immunotherapy-Tumor specific immunity with RNA
- N01CB-43930-00 Therapy of carcinoma of breast (human)
- N01CB-43994-00 Humoral or cellular immunologic responses (mice)
- ** N01CM-12127-03 Antitumor resistance by extract of tubercle bacilli (human, mice)
- ** N01CM-33738-02 Therapy of bronchogenic carcinoma (human)
- N01CM-43781-00 Therapy of patients with gastric carcinoma
- N01CM-43782-00 Therapy of patients with gastric carcinoma
- N01CM-43783-00 Therapy of patients with gastric carcinoma
- N01CM-43795-00 Therapy of patients with pancreatic carcinoma
- N01CM-43797-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43798-00 Therapy of patients with pancreatic carcinoma (human)
- N01CM-43799-00 Therapy of patients with pancreatic carcinoma
- N01CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
- N01CP-23205-02 Research on the transfer of tumor immunity (monkeys, guinea pigs)
- ** N01CP-33248-02 Immunoprevention of spontaneously occurring neoplasms
- P01GM-19513-03 0015 Human genetics - Genetics of malignant cells (human, mice)
- ** M01RR-00030-13 0096 General clinical research center - Immunology of sarcomas, melanomas and colon CA (human)
- M01RR-00030-13 0102 General clinical research center - Treatment of lymphocytic and lymphoblastic leukemia with immune plasma
- ** M01RR-00034-14 0066 General clinical research center - Modification of cellular immunity in neoplasia (human)
- ** M01RR-00034-14 0067 General clinical research center - Lymphocyte transfer factor in treatment of acute leukemia (human)
- ** M01RR-00037-14 0130 General clinical research center - Chemoimmunotherapy of acute leukemia in adults
- ** M01RR-00055-13 0037 General clinical research center - Immunotherapy of thyroid cancer (human)
- ** M01RR-00062-12 0034 Clinical research center, children - Evaluation of chemotherapy in malignancies-Influence of leukemic serum
- ** M01RR-00075-11 0060 General clinical research center for children - Immunotherapy of malignancy
- ** M01RR-00079-12 0103 General clinical research center - BCG treatment of malignant melanoma (human)
- ** M01RR-00082-12 0002 General clinical research center - Passive transfer of white cells vs osteosarcoma (human, rabbits)
- ** M01RR-00096-14 0044 Clinical research center - Treatment of melanoma with transfer factor (human)
- M01RR-00125-11 0208 General clinical research center-adult-child - Transfer factor treatment in impaired cellular immunity
- ** M01RR-00322-08 0029 General clinical research center - Cancer immunotherapy (human)
- ** M01RR-00322-08 0031 General clinical research center - Cancer immunotherapy with L-phenylalanine mustard as a hapten (human)
- M01RR-00334-08 0005 General clinical research center - Organ infusion (human)
- ** M01RR-00334-08 0029 General clinical research center - Fate of radiolabeled horse antimelanoma globulin in malignant melanoma (human)
- ** M01RR-00336-08 0055 General clinical research center - Methotrexate, BCG, and IWI in treatment of head and neck cancer (human)
- ** M01RR-00633-02 0055 General clinical research center - Tumor immunity in metastatic neoplasia (human)
- M01RR-00722-02 0025 General Clinical Research Center - Pathogenesis, immunology, management of skin diseases and solid tumors (human)
- ** M01RR-00749-02 0051 General clinical research center - Adjuvant immunotherapy with muramidase prepared vaccine
- ** M01RR-00828-01 0033 General clinical research center - Combined radiation therapy and immunotherapy for lung carcinoma (human)
- ** M01RR-00828-01 0034 General clinical research center - Combined radiation therapy and immunotherapy for CA of esophagus (human)
- ** M01RR-00828-01 0035 General clinical research center - Combined radiation therapy and immunotherapy for pancreas CA (human)
- ** M01RR-00828-01 0036 General clinical research center - Combined chemotherapy and immunotherapy for CA of ovary and colon (human)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NEOPLASMS IMMUNOLOGY

SEE ALSO NEOPLASMS DIAGNOSIS, SPECIFIC RED CELL ADHERENCE TEST

SEE ALSO NEOPLASMS IMMUNIZATION (IMMUNOTHERAPY)

- R01A1-02566-15 Chemical and biological studies of complement (mice, guinea pigs)
- R01A1-05875-10 Antibody synthesis (mice)
- ** P02A1-06320-10 0010 Transplantation immunology center - Splenic influence in tumor immunity (mice)
- R01A1-06544-10 Genetics and regulation of antibody formation (mice)
- R01A1-06706-07 0001 Cellular immunity in viral diseases - Immunocompetency in granulomatous and neoplastic diseases (human)
- ** P01A1-07007-09 0002 Immunopathologic studies - Tumor immunology, cellular immunology
- P01A1-07007-09 0013 Immunopathologic studies - Autoimmunogenic properties of SLV (mice)
- ** P01A1-07007-09 0014 Immunopathologic studies - Immunologic injury in tumor cells (mice)
- R01A1-07118-09 Biochemical basis of delayed hypersensitivity (guinea pigs)
- R01A1-07757-08 Genetic control of the immune response (mice, human)
- R22A1-08608-06 Cutaneous hypersensitivity (guinea pigs, rabbits)
- R01A1-09807-05 Cellular basis of delayed type hypersensitivity (human, rodents)
- R01A1-10136-03 Pathology and pathogenesis of host versus graft disease (mice)
- R01A1-10496-03 Basophilic leukocytes in human allergic disease
- P01A1-10702-03 0002 Cell biology of lymphoid cells - Cell replication, immunoglobulins, transplantation antigens (human, mice)
- ** R01A1-10873-03 Immunobiologic studies of human complement (and rabbits)
- ** R01A1-10967-02 Regulation of the immune response (mice, rabbits)
- R01A1-11625-01 Medical significance of anti-Ig immunosuppression
- ** P01A1-01431-18 0004 Rheumatic diseases - Cell biology (human, mice)
- ** P01A1-08445-10 0008 Biology of skin of man and other primates - Immunological study (mice)
- ** P01A1-10824-08 0009 Cellular immunity - Adoptive immunity to tumors (mice)
- ** R01A1-11234-07 Genetics of murine plasmacytomas and autoimmunity
- R01A1-12274-07 Ultrastructure of leukocytes and platelets (human)
- P02A1-13430-05 0012 Research and heredity clinic - Human cancer
- ** R01A1-16596-01 Hepatic reticulum cells as surgical immune adjuvants (mice)
- R01A1-16872-01 0002 Immunopathology of chronic renal failure - Induction and growth of tumors in uremia (rats)
- R01A1-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
- ** R01A1-32212-02 Hyperlipidemia and atherogenesis (rats)
- ** R01A1-01594-23 Immunology of cancer (mice)
- R01A1-01786-20 0002 Blood proteins - Alpha-fetoglobulin (human, rats)
- M P01CA-02357-20 Autoimmune responses to normal and malignant tissues
- R10CA-02822-19 Eastern cooperative oncology group (human)
- ** R01CA-02918-18 Symptomatic hemolytic anemia in malignant disease (human)
- R10CA-02971-18 Childrens cancer study group A
- R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- R10CA-03177-18 Southeastern cancer study group
- R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- R10CA-03359-17 Cooperative breast cancer group
- R10CA-03364-17 Cooperative breast cancer group
- R10CA-03526-17 Childrens cancer study group A
- R10CA-03664-16 Cooperative breast cancer group
- R10CA-03740-16 Cooperative breast cancer group (human)
- R10CA-03750-17 Childrens cancer study group A
- R10CA-04457-15 Acute leukemia group B
- P01CA-04486-15 0001 Pathology of the digestive tract mucous membrane - Clinical and morphologic studies of CEA
- P01CA-04486-15 0002 Pathology of the digestive tract mucous membrane - Immunochemical studies of CEA (human, rats)
- ** P01CA-04486-15 0003 Pathology of the digestive tract mucous membrane - Studies of cell-mediated immunity (human)
- ** R01CA-04798-16 Determination of specific antigens for tumor tissues (human, rabbits)
- P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- ** R01CA-05660-14 The maternal-fetal allograft relation (mice)
- ** P02CA-05826-13 0035 Clinical cancer research center - Cancer immunobiology-correlation between immunological deficiency and incidence

- ** P02CA-05826-13 0038 Clinical cancer research center - Cancer immunobiology-cell-mediated immune reactions to human cancer
- ** P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- ** P02CA-05831-13 0013 Cancer clinical research - Interrelationship of neoplastic disease and immune response (human)
- ** P02CA-05831-13 0016 Cancer clinical research - Immunological studies of patients with solid tumors
- ** P02CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)
- P02CA-05831-13 0039 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
- P02CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
- ** P02CA-05831-13 0034 Cancer clinical research - Immunological reactivity in carcinoma patients receiving radiotherapy
- ** P02CA-05834-13 0039 Cancer clinical research center - Acute myelocyte leukemia (human)
- P02CA-05834-13 0052 Cancer clinical research center - Cancer therapy with cytosine (human)
- P02CA-05834-13 0053 Cancer clinical research center - Cancer therapy with crystalline antibiotic (human)
- ** P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
- ** P02CA-05838-13 0027 Clinical radiotherapy cancer research center - Activated macrophages in tumor immunity (human)
- ** P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
- M P02CA-06516-12 Cancer center support grant-Comprehensive
- ** P02CA-06516-12 0017 Cancer center support grant-Comprehensive - Immunology-adjuvant-melanoma-bone marrow (rabbits, mice, guinea pigs)
- ** P02CA-06516-12 0020 Cancer center support grant-Comprehensive - Cellular and antibody immune responses (human, mice)
- P02CA-06516-12 0023 Cancer center support grant-Comprehensive - Measurements of cell mediated immunity in man
- P02CA-06518-11 0020 Radiation and radiobiology research center - Delayed hypersensitivity response in cancer (human)
- P02CA-06519-12 0083 Radiation therapy and biology research program - Determination of radiobiologic parameters of individual human tumors
- ** P02CA-06551-11 0001 Cancer clinical research - Immunologic basis for susceptibility to cancer in man
- ** P02CA-06551-11 0003 Cancer clinical research - Relation of inherited antigens to cancer susceptibility in man
- ** P02CA-06551-11 0004 Cancer clinical research - Human and animal antisera to detect leukemia-related antigens (human, rabbits)
- ** P01CA-06927-12 0024 Biological and biochemical program in cancer research - Tumor cell antigenicity and resistance to carcinogens (mice, monkeys)
- P02CA-06973-12 0001 Integrated clinical cancer research program - Therapy of acute leukemia of the adult (human, mice)
- ** P02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
- P02CA-06973-12 0016 Integrated clinical cancer research program - Plasma cell dyscrasia (human)
- ** P02CA-06973-12 0023 Integrated clinical cancer research program - Immunochemistry-Plasma cell dyscrasia (human)
- P02CA-06973-12 0025 Integrated clinical cancer research program - Transplantation biology (human)
- R01CA-07000-10 Acquired hemolytic anemia of lymphocytic leukemia (human)
- R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- ** R01CA-07160-10 Possible neoplastic effects of non-neoplastic viruses (mice)
- P01CA-07175-11 0013 Cancer research at the McArdle laboratory - Theory of carcinogenesis (rats)
- ** P01CA-07175-11 0019 Cancer research at the McArdle laboratory - Immunology of oncogenic RNA viruses
- ** P02CA-07177-11 0013 Clinical cancer research center - Immunoassay for carcinoembryonic antigen (human)
- ** P02CA-07177-11 0016 Clinical cancer research center - Clinical support-infectious disease program (mice)
- R10CA-07190-12 Eastern cooperative oncology group
- R01CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)
- R01CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
- R10CA-07306-11 Childrens cancer study group A
- ** P02CA-07357-10 0017 Special childrens cancer center program - Immune responsiveness in patients with cancer
- ** P01CA-07368-11 0003 Interrelationships of normal and cancer cells - Chemo-immunotherapy (mice, rabbits)
- P01CA-07368-11 0010 Interrelationships of normal and cancer cells - Electropathology-basic electrophysiology and electroimmunology
- R01CA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- R01CA-07868-09 Defective Friend virus and its pseudotypes (mice)
- R01CA-07973-09 Role of transplantation antigens in malignant cells (mice)
- ** P02CA-08341-09 0011 Clinical pharmacology and cancer chemotherapy - Tumor immunology (human, mice)
- R01CA-08418-09 Glycoproteins from cancer cells (mice, guinea pigs)
- ** P02CA-08480-09 0008 Childhood cancer research center - Immunocompetent cells in acute lymphocytic leukemia (children)
- ** P02CA-08480-09 0028 Childhood cancer research center - Immunological aspects of childhood leukemia
- R01CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
- R01CA-08593-08 Immune responses to tumor grafts (mice, sheep)
- R01CA-08731-09 Viral carcinogenesis with special reference to SV40
- ** P01CA-08748-09 5412 Research program of Sloan-Kettering Institute - Effect of immunological status on perine N-nitroso carcinogenesis in rats
- ** P01CA-08748-09 5414 Research program of Sloan-Kettering Institute - Effect of chemotherapy on host immunity in tumor-bearing mice
- P01CA-08748-09 5639 Research program of Sloan-Kettering Institute - Resistance to intracerebral inoculation of cancer cells (mice)
- ** P01CA-08748-09 6801 Research program of Sloan-Kettering Institute - Protein components of avian and mammalian C-viruses (rabbits)
- ** P01CA-08748-09 6803 Research program of Sloan-Kettering Institute - Cytoplasmic antigens of herpesvirus in cancer cells (human)
- ** P01CA-08748-09 6810 Research program of Sloan-Kettering Institute - Production of serum antibody to epidermal cell surface antigens in mice
- ** P01CA-08748-09 7801 Research program of Sloan-Kettering Institute - Tumor-specific antigens in guinea pig tumors
- P01CA-08748-09 7803 Research program of Sloan-Kettering Institute - In vitro assay of transfer factor activity (human)
- ** P01CA-08748-09 7805 Research program of Sloan-Kettering Institute - Induction of increased immunological reactivity in mice
- ** P01CA-08748-09 7808 Research program of Sloan-Kettering Institute - Carcinoembryonic antigen in blood of cancer patients
- ** P02CA-08832-08 0139 An integrated study of advanced malignant diseases - Preparation of cell free antigen extracts
- ** R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
- R01CA-08975-08 Effect of tumor virus on antigen constitution of cells (monkeys, human)
- R01CA-10097-07 Cellular antigens of normal and malignant rat tissues
- ** R01CA-10126-08 Mechanisms of transformation by oncogenic viruses
- ** R01CA-10129-08 Immunological enhancement of sarcoma I tumor cells (mice)
- ** R01CA-10130-09 Catalase isozymes in normal and neoplastic tissues (human, quails)
- ** R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
- R10CA-10382-08 Childrens cancer study group A
- ** P02CA-10438-08 0024 Clinical radiation therapy research center - CEA antigen (human)
- ** P02CA-10438-08 0025 Clinical radiation therapy research center - Blocking factors in immuno-surveillance of lung neoplasms
- ** P02CA-10438-08 0031 Clinical radiation therapy research center - Tumor immunotherapy with in vitro armed macrophages (human)
- P02CA-10438-08 0033 Clinical radiation therapy research center - Immunological enhancement of human malignant tumors
- R01CA-10537-05 RES function, tumor induction and growth (mice)
- R10CA-10572-06 Eastern cooperative oncology group
- R01CA-10671-07 Catalase-C-reactive protein biochemistry in cancer (human, mice, rabbits)
- R01CA-10697-08 Specificity of avian myeloblastosis virus
- R01CA-10712-07 Foreign body tumorigenesis (mice)
- ** P01CA-10748-07 0011 Cancer chemotherapy program - Immunosuppression by antimetabolites and tumor immunology (human, rats, mice)
- ** R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
- ** P01CA-10893-06 0019 Cancer Research Center - Cancer immunology-Approaches with SV40-induced tumors (mice, hamsters, human)
- ** P01CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
- P02CA-10895-06 0001 Adult leukemia research center - Bone marrow transplantation (human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P02CA-10895-06 0007 Adult leukemia research center - Immunological evaluation (human)
- ** P02CA-10895-06 0012 Adult leukemia research center - Immunogenetics
- P02CA-10895-06 0018 Adult leukemia research center - Data processing
- P01CA-10896-03 Exploratory studies in cancer research (human, laboratory animals)
- ** R01CA-10903-07 Immunological studies of malignant tumors (human, rodents)
- R10CA-10948-06 Eastern cooperative oncology group
- P02CA-11051-06 0046 Clinical radiation research center - Radiation pathology-Sarcoma immunology (hamsters)
- ** P02CA-11067-05 0020 Clinical cancer research center - Pulmonary immune functions (dogs)
- R10CA-11109-06 Eastern cooperative oncology group
- ** R01CA-11224-06 0003 Neurooncogenesis by resective carcinomas - Immunologic rejection of brain tumors (rats)
- ** P02CA-11265-05 0022 General clinical cancer research center - Immunological studies of melanoma patients
- ** P02CA-11265-05 0036 General clinical cancer research center - Leukemia-specific antigens
- P01CA-11405-06 0012 Core program on etiology of cancer - Immunology of human mammary tumor virus
- R01CA-11427-05 Virus in relation to C57BL mouse thymoma
- ** R01CA-11437-03 Magnesium deficiency, leukocytosis, lymphoma, leukemia (rodents)
- ** R10CA-11488-05 EORTC coordinating agency and data center
- ** P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
- ** R01CA-11605-06 Immunological reactivity in special circumstances (mice)
- ** R01CA-11634-05 Regulation of immunity (mice)
- ** R01CA-11650-03 Immunological isolation of tumor specific antigens (hamsters, SV40 virus)
- R01CA-11703-05 Cervical cancer epidemiology and genital infections (human)
- R10CA-11796-05 Childrens cancer study group A
- R10CA-11844-17 Pediatric malignancies-Southwest Oncology Group
- ** R01CA-11898-04 Brain tumors-Virological and immunological studies (hamsters, rabbits)
- R01CA-11982-04 Influence of central nervous system on oncogenesis (rats)
- R10CA-11988-18 Leukemia center (platelet) program-CCA
- R01CA-12056-03 Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats)
- ** R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- R01CA-12089-04 Immunology of chemically modified cancer cell (mice)
- M P01CA-12093-04 Immunobiology of cancer
- P01CA-12093-04 0004 Immunobiology of cancer - Immunological enhancement and tolerance (mice)
- ** R01CA-12102-04 Surgical management of the regional lymph node in cancer (mice, hamsters)
- R01CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
- R01CA-12152-04 Immunoglobulin synthesis by malignant plasma cells (mice, human)
- P02CA-12197-03 0023 Multidisciplinary oncology research center - Studies in cellular immunity (human, mammals nonhuman)
- ** P02CA-12197-03 0027 Multidisciplinary oncology research center - Immunological studies of gynecological malignancies (human)
- R10CA-12223-03 Southeastern cancer study group
- R01CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
- ** P02CA-12247-03 0006 Pediatric oncology center - Skin testing and clinical immunology
- P02CA-12247-03 0015 Pediatric oncology center - Infectious disease control (human)
- P02CA-12247-03 0019 Pediatric oncology center - Immunology study-Lymphotaxin production (human)
- ** P02CA-12247-03 0023 Pediatric oncology center - Skin testing and clinical immunology II
- ** P02CA-12247-03 0028 Pediatric oncology center - Antibody response to immunization in Hodgkin's disease (human)
- P02CA-12247-03 0035 Pediatric oncology center - Tumor specific antibodies (mice)
- R10CA-12279-04 Central oncology group
- R01CA-12318-03 in vitro lymphocyte responses in Hodgkins disease (human)
- ** R01CA-12404-04 Oncolysis by tumor antibody-diphtheria toxin conjugates (mice, guinea pig, human)
- ** R01CA-12456-04 Analysis of the mechanisms of cancer metastasis (mice, dogs)
- ** R01CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
- R01CA-12473-03 Model system for the study of tumor associated antigen (rats, guinea pigs)
- R01CA-12504-04 Suppression of malignancy in cell hybrids (mice)
- ** P01CA-12582-04 0001 Multidisciplinary cancer diagnosis and therapy - Monitoring immunologic competence of cancer patients
- ** P01CA-12582-04 0002 Multidisciplinary cancer diagnosis and therapy - Antigenic specificity of different histologic types of neoplasms (human)
- ** P01CA-12582-04 0004 Multidisciplinary cancer diagnosis and therapy - Correlation of immune response with clinical course
- R01CA-12626-03 Cytotoxic antitumor antibodies (rabbits, mice, humans)
- R01CA-12631-03 Immunology and immunochemistry of tumor antigens (human)
- ** R01CA-12635-03 Pathogenesis of plasma cell tumors (mice)
- R10CA-12639-03 Southeastern cancer study group
- R10CA-12640-03 Southeastern cancer study group
- ** P01CA-12662-03 0006 Cancer research center - Tumor specific antigen in Hodgkins disease and lymphosarcoma (human, rabbits, mi)
- ** R01CA-12663-03 Genetics of immune response to tumor antigens (mice)
- ** R01CA-12779-02 Leukocyte regulatory mechanisms (human, mice, rats)
- R01CA-12788-03 Immunogenetic mechanisms and cancer in congenic mice
- M P01CA-12800-03 Immune functions and cancer
- ** P01CA-12800-03 0002 Immune functions and cancer - Tumor immunology (human, rats)
- P01CA-12800-03 0007 Immune functions and cancer - Humoral and immune cell interrelations (human, mice, rats)
- P01CA-12800-03 0013 Immune functions and cancer - Immune response to virus-induced lymphoma (rats)
- ** R01CA-12869-04 Kansas breast study (human)
- R10CA-12800-03 Eastern cooperative oncology group
- ** P02CA-12924-03 0032 Tufts cancer research center - Immunologic activation of leukemia viruses
- ** R01CA-12929-03 Interrelationship between malignancy and immunity (mice)
- ** R01CA-12989-01 Immunological studies of experimental brain tumors (rats)
- R01CA-13007-03 Human wart virus as an oncogenic agent
- ** P02CA-13053-03 0037 Clinical cancer radiation therapy research center - Quantitation of cellular responses to specific antigens (mice, human)
- ** P02CA-13053-03 0038 Clinical cancer radiation therapy research center - Cell and immunoglobulin mediated immunity (mice)
- P02CA-13053-03 0065 Clinical cancer radiation therapy research center - Colony formation of peritoneal exudate cells in culture (mice)
- ** P02CA-13053-03 0064 Clinical cancer radiation therapy research center - Irradiation and chemotherapy-immunosuppression of 6C3HED lymphosarcoma
- ** P02CA-13053-03 0086 Clinical cancer radiation therapy research center - Combined effects of amphotericin B and BCNU in leukemic mice
- ** R01CA-13054-03 Antigens of human renal cancer
- R01CA-13061-03 Problems of membrane biology and oncogenesis
- ** R01CA-13070-03 Active immunity to human and experimental brain tumors (hamsters)
- R01CA-13075-03 Hypercalcemic factor of VX-2 carcinoma (rabbits)
- ** P01CA-13095-03 0002 Virology, immunobiology and biochemistry of renal cancer - Tumor immunology (human)
- ** R01CA-13134-03 Cell-mediated immunity in avian leukemia (chickens)
- R01CA-13141-03 Granulopoiesis in malignant and benign human diseases (human)
- P02CA-13148-03 0008 Pilot cancer center - Surgical immunology
- ** P02CA-13148-03 0042 Pilot cancer center - Mechanisms of rejection and immunologic enhancement
- ** P02CA-13148-03 0067 Pilot cancer center - Separation of immune cells from solid tumors (human, mice)
- R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
- ** R01CA-13190-02 Human tumor-Specific immunity
- R01CA-13213-03 Interactions between avian tumor viruses and their hosts
- ** R01CA-13216-03 Detection and modification of tumor immunity (human, mice)
- R01CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
- R10CA-13238-03 Southwest cancer chemotherapy study group
- ** R01CA-13261-03 Virus induction of nonviral mammary tumor antigens (mice)
- R01CA-13264-02 Effect on tumor growth of removing enhancing antibody (mice)
- R01CA-13302-02 Vitamin B6, steroids and energy in cancer patients
- R01CA-13306-02 Early diagnosis of cancer and of cancer metastases (human)
- M P01CA-13330-03 Cancer research program
- P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
- ** P01CA-13330-03 0010 Cancer research program - Immunologic role of lymphocytes in neoplasms
- ** P01CA-13330-03 0060 Cancer research program - Role of lymphocytes in tumor immunity (human, mice)
- ** R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
- ** R01CA-13395-03 Antigens on cell surface of gastrointestinal neoplasms (humans)
- ** R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (herpes virus, human, hamsters)
- ** R01CA-13451-02 The biology of human neuroblastoma
- ** R01CA-13453-03 Antigens from human cancer tissue
- R01CA-13468-02 Growth potential of single lymphoma cells in mice
- P01CA-13472-02 Investigation of childhood leukemia
- ** P01CA-13472-02 0005 Investigation of childhood leukemia - Effect of cell fusion on immunogenicity of tumor antigens (mice)
- R01CA-13548-02 Controlled differentiation of tumor cells (mice)
- P01CA-13556-03 Core program-genetical epidemiology of cancer
- R10CA-13650-02 Eastern Cooperative Oncology Group
- R10CA-13651-02 Malignant melanoma group
- R10CA-13662-02 Malignant melanoma group
- R10CA-13809-02 Malignant melanoma group
- R10CA-13671-02 Malignant melanoma group
- R01CA-13678-02 Blood group substances and gastrointestinal neoplasia (human)
- M P02CA-13696-02 Clinical cancer research center
- P02CA-13696-02 0009 Clinical cancer research center - Organ culture of breast cancer tissue (human)
- P02CA-13696-02 0011 Clinical cancer research center - Immunological studies of breast tissue antigens (human, rabbits, hamsters)
- ** P02CA-13696-02 0012 Clinical cancer research center - Lymphocyte reaction in cancer (human, rats, mice)
- ** P02CA-13696-02 0032 Clinical cancer research center - Virologic and immunologic studies of human brain tumors
- ** P02CA-13696-02 0040 Clinical cancer research center - Basal cell carcinoma (human)
- ** P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
- P02CA-13696-02 0060 Clinical cancer research center - Response of host to tumor and to therapy (human)
- P02CA-13696-02 0061 Clinical cancer research center - Interferon-induced, immune-mediated oncolysis (human, mice, cats)
- P02CA-13696-02 0064 Clinical cancer research center - Fluorescent antibody studies (human)
- R01CA-13701-02 Mechanisms of immunity in leukemia (mice)
- P01CA-13704-02 Exploratory studies for cancer research (human)
- ** R01CA-13746-02 Role recognition factors and macrophages in neoplasia (human, rats)
- ** R01CA-13806-02 Immunocompetence in radiation therapy patients
- ** R01CA-13822-02 Effects of cancer and therapy on infection and immunity (hamsters, mice, rabbits)
- ** R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
- R26CA-13859-03 Administration of the National Bladder Cancer Project
- R01CA-13862-02 Genetic studies on cancer control (mice)
- M P02CA-13943-02 Clinical pharmacology immunology cancer research center
- P02CA-13943-02 0020 Clinical pharmacology immunology cancer research center - Detection of immune responses in tumor cell antigens of solid tumors
- P02CA-13943-02 0021 Clinical pharmacology immunology cancer research center - Specific host defenses in human patients against solid tumor antigens
- P02CA-13943-02 0024 Clinical pharmacology immunology cancer research center - Effect of soluble antigen on antitumor immunity to mouse mammary cancer
- P02CA-13943-02 0030 Clinical pharmacology immunology cancer research center - Measurement of complement in cancer
- ** P02CA-13943-02 0031 Clinical pharmacology immunology cancer research center - Macrophage activity in cancer (mammals)
- ** P02CA-13943-02 0041 Clinical pharmacology immunology cancer research center - Measurement of immune responses to tumors in cancer patients
- ** P02CA-13943-02 0042 Clinical pharmacology immunology cancer research center - Control of immune responses to tumors in cancer patients
- ** P02CA-13943-02 0043 Clinical pharmacology immunology cancer research center - Immunological detection of cancer
- ** P02CA-13943-02 0044 Clinical pharmacology immunology cancer research center - Nonspecific defense responses in cancer patients
- P02CA-13943-02 0061 Clinical pharmacology immunology cancer research center - Clinical evaluation of patients with CEA antigen without disease
- P02CA-13943-02 0062 Clinical pharmacology immunology cancer research center - Mass screening of patients at high risk for carcinoma of stomach
- ** P02CA-13943-02 0067 Clinical pharmacology immunology cancer research center - Immunologic detection and assessment in patients with gynecologic malignancies
- ** P02CA-13943-02 0069 Clinical pharmacology immunology cancer research center - Response genito-urinary tumors (human, hamsters, rats)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- ** P02CA-13943-02 0071 Clinical pharmacology immunology cancer research center - Detection of immune responses to breast tumor antigens (human)
- ** R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- ** P01CA-14043-01 0007 Radiation therapy clinical and research center - Breast cancer antigens and antibodies in human sera
- ** R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
- ** R01CA-14049-02 Cell-mediated immunity to ascites tumors (mice)
- ** R01CA-14054-02 Malignant behavior and cellular antigen expression (mice, human)
- ** R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- P01CA-14089-01 0027 Pilot multidisciplinary cancer research program - Lymphoma-leukemia program
- P01CA-14089-01 0055 Pilot multidisciplinary cancer research program - Abnormal human blood factors following radiotherapy
- ** R01CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
- ** R01CA-14113-02 Tumor immunity (mice)
- R26CA-14140-02 Administration of the National Colorectal Cancer Project
- R10CA-14144-02 Eastern cooperative oncology group
- ** P01CA-14193-02 0008 Comparative leukemia studies unit - Immunological factors in growth of RadLV lymphoma (rats)
- ** P01CA-14195-01 0006 Core grant-Regulation, the cell membrane and cancer - Blocking of tumor immunity (mice)
- P01CA-14195-01 0018 Com grant-Regulation, the cell membrane and cancer - Genetic defects in immunological defenses (mice)
- ** P01CA-14195-01 0021 Core grant-Regulation, the cell membrane and cancer - Synthetic tumor antigens
- ** P01CA-14195-01 0022 Core grant-Regulation, the cell membrane and cancer - Modification of response of T and B cells to TSTA
- ** R01CA-14270-02 Immune surveillance in radiation carcinogenesis (mice)
- R01CA-14323-02 Neuraminidase and cell-mediated immunity (human, mice)
- ** R01CA-14364-02 Selective stimulation of cell mediated cancer immunity (mice, guinea pigs)
- M R01CA-14374-02 Effect of radiotherapy on host immune reactions
- ** R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
- ** R01CA-14374-02 0003 Effect of radiotherapy on host immune reactions - A new class of immune adjuvants-polyclonals (mice)
- ** P01CA-14395-02 0037 Cancer research center of Greater Miami - Medical oncology program
- ** R01CA-14409-02 Control of immunity in mice to L1210/MTX leukemia
- R10CA-14438-02 Western cancer study group
- R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
- ** R01CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- R01CA-14508-01 The role of interferon in human immunity to tumors
- ** P02CA-14520-02 0006 Wisconsin Clinical Cancer Center - Genetic and epidemiologic factors in high risk cancer (human)
- ** P02CA-14520-02 0008 Wisconsin Clinical Cancer Center - Tumor cells and lymphocytes-immunodetection and therapy (human, mice)
- P02CA-14520-02 0012 Wisconsin Clinical Cancer Center - Clinical investigation of therapy for solid tumors
- M P01CA-14536-01 Cancer institute core proposal
- ** R26CA-14556-02 Human bladder tumors and papovaviruses
- M P01CA-14599-01 University of Chicago Cancer Research Center
- P01CA-14599-01 0021 University of Chicago Cancer Research Center - Pathology evaluation of breast (human)
- ** P01CA-14599-01 0022 University of Chicago Cancer Research Center - Immune status of patients with breast cancer
- P01CA-14599-01 0023 University of Chicago Cancer Research Center - Human autologous regional lymphocyte-Breast cancer interaction
- P01CA-14599-01 0024 University of Chicago Cancer Research Center - Hormonal milieu in breast cancer (human)
- P01CA-14599-01 0030 University of Chicago Cancer Research Center - Cancer vulnerability in ulcerative and granulomatous colitis (human)
- ** P01CA-14599-01 0031 University of Chicago Cancer Research Center - Distribution of CEA in diagnostic and immunologic studies (human, rodents)
- ** P01CA-14599-01 0032 University of Chicago Cancer Research Center - Immunological studies in ulcerative colitis (human)
- P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
- P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
- M P01CA-14723-02 Experimental cancer immunology
- P01CA-14723-02 0001 Experimental cancer immunology - Enhancing cellular immunity to transplantation antigen (guinea pigs, rats, mice)
- ** P01CA-14723-02 0003 Experimental cancer immunology - Specific histocompatibility linked IR genes on specific tumor immunity (mice)
- ** R01CA-14768-01 Immunological parameters of spontaneous murine cancer (mice)
- ** R01CA-14775-02 Tumor immunity related to clinical course and therapy (human)
- R01CA-14777-01 Analysis of host response to tumor oncogenesis (mice)
- ** R01CA-14782-02 Antigenic strength of nonviral tumors (mice)
- ** P01CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- ** R01CA-14922-01 Transplantation and genetic expression (mice)
- ** R01CA-14972-01 Surgical removal of primary tumors, immunity and metastases (mice)
- ** R13CA-14973-01 Gordon conference on tumor immunology
- R26CA-14975-02 Carcinogenesis of large bowel cancer in animals
- ** R01CA-14993-01 Effect of immunologic factors on metastasis (mice)
- R01CA-15018-01 Human hematopoietic and cancer cells
- R01CA-15044-01 Pathogenetic determinants of human CNS tumors
- ** R01CA-15054-01 Cellular immunity and thymic radiation in human cancers
- P02CA-15083-01 0006 Cancer Center Support Grant-Mayo Foundation - Basic science in cancer
- P02CA-15083-01 0013 Cancer Center Support Grant-Mayo Foundation - Management of lymphoma (human)
- ** R01CA-15115-01 Local immune response against cancer (human)
- R01CA-15129-01 A serum immunosuppressive factor in cancer (human, mice)
- ** R01CA-15136-01 Basophil/mast cell function in the control of cancer (guinea pigs, mice, rats)
- P02CA-15145-01 0001 Cancer center support grant - Studies on glycoproteins and cell surface antigens
- P02CA-15145-01 0048 Cancer center support grant - Mammary adenocarcinoma-Cell glycoprotein coat (mice, human)
- R01CA-15146-02 Genetic control of the immune response (mice, rats)
- ** R01CA-15167-01 Immunologic responses in neoplastic growth (mice)
- ** R01CA-15173-01 Immunoproteins from plasma cell tumors (human)
- R01CA-15182-01 0001 In vitro characterization of Hodgkin's disease cells - Isolation and characterization (human, hamsters)
- ** R01CA-15202-01 Immunological studies in patients with breast cancer
- ** R26CA-15263-01 Immune status of gastrointestinal tumor - Colon (human)
- ** R13CA-15298-01 Radiation and host immune defense mechanisms in malignancy (Arizona)
- ** R01CA-15322-01 Oncogenesis in congenitally athymic mice
- ** R01CA-15334-01 Cellular mechanism in tumor-specific immunity (mice)
- R01CA-15372-01 Immunotherapy of cancer with lymphoid extracts (human, mice, guinea pigs)
- ** R01CA-15373-01 Circulating immune complexes in human cancer
- ** R01CA-15385-01 Mechanism of antitumor effect of portacaval shunt
- R26CA-15405-01 Transmissible murine colonic hyperplasia
- R26CA-15412-02 Diagnosis and treatment of bladder cancer in mice
- ** R01CA-15420-01 Aging, immunity and cancer (rats)
- R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
- R26CA-15442-01 Specificity of cell membrane antigens in prostatic cancer (human, rodents)
- ** R01CA-15472-01 Immunity to myeloma tumors (mice)
- ** R01CA-15486-01 Cancer and macroglobulinemia (NZ mice, human)
- ** R01CA-15496-04 Mechanism of immunosuppression by mouse plasmacytomas
- ** R01CA-15500-01 Immunologically induced tumors (mice)
- R01CA-15516-01 ABO(H) blood groups and blood group enzymes in cancer (human, seeds)
- R26CA-15551-01 Virology and immunology of cancer of the human urothelium
- ** R26CA-15553-01 Tumor-specific immunity in bladder cancer (human)
- ** R01CA-15565-01 Macrophage and tumor cell interactions (mice)
- ** R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
- R01CA-15581-01 Immune response to tumor cell surface antigens (mice)
- R10CA-15584-01 Southeastern Cancer Study Group
- R01CA-15585-01 Soluble mediator of tumor induced immunosuppression (mice)
- ** R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
- R01CA-15600-01 Viral and other antigens of murine plasmacytomas
- R01CA-15604-02 Mestocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- ** R01CA-15611-01 Monocyte and T-lymphocyte receptors in malignancy (children)
- ** R01CA-15643-01 Leukemogenesis and cellular immunity (viruses, mice)
- ** P01CA-15655-01 0001 Cancer center support grant - Immunological model of Marek's disease (chickens)
- ** P01CA-15655-01 0002 Cancer center support grant - Cellular level of immunosuppression (mice)
- ** P01CA-15655-01 0003 Cancer center support grant - Experimental manipulation of tumor immunity (mice)
- ** P01CA-15655-01 0013 Cancer center support grant - Acceptance or rejection of malignant cell invasion (rats)
- R01CA-15679-01 SV40 potentiation of immune responsiveness to tumors (mice)
- ** P01CA-15704-01 0001 Cancer center support grant - Tumor immunology (rats, human, mice)
- ** R01CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
- ** R01CA-15788-01 Mechanisms of immunoblocking versus tumor immunity (mice, rats)
- R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
- M P01CA-15822-01 Immunobiology of normal and neoplastic lymphocytes
- P01CA-15822-01 0001 Immunobiology of normal and neoplastic lymphocytes - Immunobiology of T lymphocytes (rats)
- P01CA-15822-01 0005 Immunobiology of normal and neoplastic lymphocytes - Lymphocytes and transplantation immunology (hamsters, rats, mice)
- R26CA-15945-01 Studies on experimental bladder tumors (rats)
- R10CA-15947-01 Eastern Cooperative Oncology Group
- ** R01CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)
- ** R01CA-15964-01 T-T cell collaboration and tumor cell destruction
- ** R01CA-15965-01 Regulatory events in cell-mediated immune response (mice)
- ** R01CA-15968-01 Immune surveillance and cancer (mice)
- ** R01CA-16011-01 Opsonic and phagocytic activity during tumor growth (rats)
- R10CA-16020-02 Mycosis fungoides cooperative study
- ** R01CA-16039-01 In vitro assay of tumor immunity (mice)
- R01CA-16063-01 Etiology of canine transmissible sarcoma
- ** R01CA-16071-01 Double HLA antigens in sera of cancer patients
- ** R01CA-16096-01 Host-neoplasia interactions in gliomas (human)
- R01CA-16108-01 Type and reactivity of cells released from lymphomas (human)
- R01CA-16112-01 Early immunodeficiency and late oncogenesis (mice)
- M P01CA-16127-01 Cancer Research and Treatment Center Program
- P01CA-16127-01 0004 Cancer Research and Treatment Center Program - Cancer chemotherapy evaluation
- ** P01CA-16127-01 0007 Cancer Research and Treatment Center Program - Immunodiagnosis of cancer-tumor-specific antigens (rabbits, human)
- P01CA-16127-01 0008 Cancer Research and Treatment Center Program - Rosette-forming cells in neoplasia
- P01CA-16127-01 0009 Cancer Research and Treatment Center Program - Relationships between immunoglobulin allotypic markers and cancer (human)
- ** R01CA-16172-01 Neoplasia in nude (athymic) mice
- R01CA-16201-01 Lung cancer model for surgical research (dogs)
- M P01CA-16246-01 Integrated tumor biology program
- ** P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- ** P01CA-16246-01 0005 Integrated tumor biology program - Immune response to Rous sarcoma in mice
- M P01CA-16247-01 Immunologic aspects of cancer
- P01CA-16247-01 0002 Immunologic aspects of cancer - Effect of parasitic infection on tumor growth and antibody production
- P01CA-16247-01 0004 Immunologic aspects of cancer - Suppressive effect of plasmacytomas (mice)
- ** R01CA-16271-01 Antibody, lymphoid and tumor cell interaction (mice)
- R01CA-16278-01 Characterization of fetal antigens in tumors (hamsters, mice)
- ** R01CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- P01CA-16359-01 0025 Cancer center support grant - Suppressor thymus lymphocytes
- P01CA-16359-01 0026 Cancer center support grant - Mechanisms of lymphocyte stimulation
- P01CA-16359-01 0027 Cancer center support grant - Response of vascular endothelium to stimulated lymphocytes
- P01CA-16359-01 0028 Cancer center support grant - Characterization of sensitized lymphocytes (rats, mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-16359-01 0029 Cancer center support grant - Continuous lymphocytic cell lines
 PO1CA-16359-01 0030 Cancer center support grant - Gastro-intestinal lymphoid tissues (rabbits, E coli)
 PO1CA-16359-01 0031 Cancer center support grant - Regulatory mechanisms in cell-mediated immunity (guinea pigs, mice, dogs, human)
 ** PO1CA-16359-01 0033 Cancer center support grant - Variations delayed in time reactions (guinea pigs, mice)
 PO1CA-16359-01 0034 Cancer center support grant - Development of immune responses
 ** PO1CA-16359-01 0035 Cancer center support grant - Effects of chronic graft-versus-host disease (mice)
 PO1CA-16359-01 0036 Cancer center support grant - Lymphoid populations in spontaneous leukemia (mice)
 PO1CA-16359-01 0037 Cancer center support grant - Lymphocyte trapping in early immune response
 PO1CA-16359-01 0038 Cancer center support grant - Suppressor T-lymphocytes
 PO1CA-16359-01 0039 Cancer center support grant - Modification of lymphocyte surface membrane (mice)
 PO1CA-16359-01 0040 Cancer center support grant - Effect of splenectomy on immunologic function (guinea pigs, mice)
 PO1CA-16359-01 0041 Cancer center support grant - Immunosuppressive and tumoricidal drugs
 PO1CA-16359-01 0059 Cancer center support grant - Medical oncology
 ** R26CA-16365-01 Etiology of prostate tumors (human, rabbits)
 ** R26CA-16373-01 Tissue culture of colon cancer-Human immunity (also mice)
 R18CA-16404-01 0013 Cancer control development grant - Cancer education
 ** R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
 ** R26CA-16724-01 Familial polyposis-A clinical and immunological study
 ** R26CA-16880-01 Bladder cancer-Immunology, immunotherapy, and virology (mammals, nonhuman)
 R01CA-17049-01 Recognition of tumor cells by T lymphocytes (mice, chickens)
 R01CA-17050-01 Glycoprotein agglutinins of normal and transformed cells (mice)
 R01CA-17089-01 Early diagnosis of cancer and of cancer metastases (human)
 ** R01CA-17099-01 Factors in canine mast tumor implantation and growth (beagles)
 N01CB-23227-03 Measurement of immunological reactivity to human cancer
 N01CB-23854-02 Usefulness of carcinoembryonic antigen in diagnosis of bowel carcinoma
 N01CB-23869-01 Establish tissue culture lines from human breast cancer
 ** N01CB-23877-04 Purified carcinoembryonic antigen and antisera
 ** N01CB-23878-03 Immune responses of mice and rats to tumor associated antigens (also hamsters)
 ** N01CB-31146-27 Immunological characterization studies of rat strains and their neoplasms
 ** N01CB-33868-01 Cell synergy in cell bound immune reactions (mice)
 ** N01CB-33870-01 Effector mechanisms in tumor associated immune reactions (mice, human)
 ** N01CB-33875-03 Immunodiagnosis of human malignancy
 ** N01CB-33896-02 Tumor immunity and immunotherapy of rat mammary tumor
 ** N01CB-43853-00 Assays for immune depression in cancer patients
 N01CB-43873-00 Role of macrophages in the immune response
 N01CB-43885-00 Improvement of assays for cell-mediated immunity
 N01CB-43924-00 Detection of antigen-binding activity of transplantable T-cell tumors
 ** N01CB-43928-00 Lymphocytes and macrophages
 ** N01CB-43930-00 Mechanisms by which tumors avoid immune destruction (mice C57 Bl/6)
 N01CB-43936-00 Detection and development of genetic strains
 ** N01CB-43943-00 Detection of abnormal cervical cells
 ** N01CB-43948-00 Macrophages in tumor immunology (human, mice)
 ** N01CB-43949-00 Subcutaneous fraction in immunotherapy-Tumor specific immunity with RNA
 N01CB-43986-00 Biochemistry of normal and tumor cell surface antigens
 ** N01CB-44001-00 Nature and function of immune-related cells in tumor masses
 ** N01CB-92176-09 Hypersensitivity to antigens on malignant and non-malignant cells (human)
 N01GM-12127-03 Antitumor resistance by extract of tubercle bacilli (human, mice)
 N01GM-33713-01 Development of staging system for multiple myeloma patients
 ** N01CP-22020-04 Cell biology facilities and tumor immunology (human, mammals nonhuman)
 N01CP-22046-02 Isolation and chemical characterization of specific antigens (human, goats)
 ** N01CP-23221-02 Mycobacteria as inhibitors of tumor cell growth (mammals)
 ** N01CP-33204-02 Immunopathologic study of leukemia (human, mice)
 N01CP-33234-04 Production of viruses and human-virus cancer cell lines
 ** N01CP-33236-01 Immunological and transplantation studies on dogs with cancer
 ** N01CP-33250-03 Isolation and characterization of transplantation antigens (human, hamsters)
 ** N01CP-33257-03 Viral etiology of human malignancies (monkeys)
 ** N01CP-33290-01 Immunologic and epidemiologic studies on Japanese patients with cancer
 N01CP-33316-01 Herpes-type virus in etiology of human cancer
 ** N01CP-33337-01 Antitumor reactivity in patients with leukemia and lymphoma
 N01CP-33339-02 Human milk and mammary tumors (chickens)
 N01CP-33352-01 Immunologic study of RNA tumor (type C) viruses (mice, cats, human)
 ** N01CP-33357-01 Tumor viruses in immunological deficiency diseases (human)
 ** N01CP-33368-01 Immunogenetic studies on breast cancer and leukemia (mice, human)
 ** N01CP-33372-01 Demonstrate tumor specific transplantation antigens (human, mammals nonhuman)
 ** N01CP-33373-02 Application of immunotherapy to malignant diseases (human)
 N01CP-33396-02 Humoral and cellular immunity in herpes virus (primates)
 ** N01CP-33398-01 Immunologic responses of breast cancer
 ** N01CP-43207-00 Spontaneous and virus induced neoplastic transformation (human, cats)
 N01CP-43222-00 Activation of C-particles and induction of cancer
 N01CP-43228-00 Research of Hodgkins disease and other human malignant lymphomas
 N01CP-43244-00 Human tumor cell culture and mycoplasma activity (also mammals nonhuman)
 N01CP-43252-00 SVCP back-up laboratory
 N01CP-43335-00 Human materials for transmissible agents in tumors
 N01CP-43375-00 Immunologic study of RNA tumor (type C) viruses (mice, cats, human)
 N01CP-45618-00 Conference for physical and chemical
 ** N01CP-81030-11 Etiology and epidemiology of human cancer
 P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
 R01ES-00826-02 Function of lead in tumorigenesis (mice, rats)
 M P01GM-15991-06 Anesthesia research center
 ** P01GM-15991-06 0097 Anesthesia research center - Effect of anesthesia on cytotoxic activity of lymphoid cells against tumor (mice)
 P01GM-19100-03 0012 Genetics research center - Attempts to correct genetic defects in somatic cells (human, mice)
 ** P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
 ** P01GM-19513-03 0015 Human genetics - Genetics of malignant cells (human, mice)
 R01HD-00384-16 Ontogeny of immune mechanisms (mice, rats)
 ** P01HD-03015-08 0024 Program for developmental biology - Cellular interactions in the immune response
 P01HD-05894-04 0004 Genetic childhood diseases and aging - Developmental biology of lymphocyte receptors for corticoids (mice, human)
 ** P01HD-05894-04 0009 Genetic childhood diseases and aging - Significance of alpha-1 glycoprotein in cerebral tumors of infancy
 R01HD-08957-01 Ontogeny of the humoral and cellular immune response (piglets)
 ** P01HL-09011-11 0013 A research and resource program in blood - Study of tumor enhancement in mice
 R01HM-15976-05 0001 Stress and mechanisms of immunity - Cellular and humoral aspects of antibody formation and graft vs host response (r
 R01NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
 N01NS-22301-02 Cytologic and immunologic studies of herpes virus induction of cancer (monkeys)
 ** M01RR-00030-13 0132 General clinical research center - Immunological competence of brain tumor patients
 M01RR-00034-14 0091 General clinical research center - Inherited medullary carcinoma of the thyroid (human)
 ** M01RR-00059-13 0150 General clinical research center - Immunological evaluation of malignancies by skin testing (human)
 M01RR-00060-13 0050 General clinical research center - Chemotherapy and immunology of malignant gliomas (human)
 ** M01RR-00065-12 0055 General clinical research center - Immunochemical studies of hematopoietic malignancies (human)
 M01RR-00069-12 0074 General clinical research center, children - Psychological evaluation of osteogenesis imperfecta
 ** M01RR-00082-12 0105 General clinical research center - Cell mediated and humoral immunity in sarcoidosis (human)
 ** M01RR-00261-09 0085 General clinical research center - To enhance tumor rejection by immune lymphocytes (human)
 M01RR-00262-09 0001 General clinical research center - Splenectomy in malignant lymphoma (human)
 M01RR-00262-09 0002 General clinical research center - Splenectomy in chronic myelocytic leukemia (human)
 M01RR-00645-03 0026 Clinical research center - Biochemical, metabolic studies of leukemias, lymphomas and solid tumors (human)
 ** M01RR-00722-02 0025 General Clinical Research Center - Pathogenesis, immunology, management of skin diseases and solid tumors (human)
 M01RR-00833-01 0009 General clinical research center - Prolactin secretion in man
 M01RR-00833-01 0022 General clinical research center - Quantitative expression of HLA antigen on leukocytes of leukemia patients
NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES
 R01AI-01178-18 Mechanisms in the acquired cellular immune response (guinea pigs)
 P01AI-07007-09 0015 Immunopathologic studies - H-2 antigens (mice)
 P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
 P02CA-06516-12 0014 Cancer center support grant-Comprehensive - Bio organic synthesis (human, rodent)
 P02CA-06516-12 0020 Cancer center support grant-Comprehensive - Cellular and antibody immune responses (human, mice)
 P02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
 P01CA-07368-11 0010 Interrelationships of normal and cancer cells - Electropathology-basic electrophysiology and electroimmunology
 P01CA-07368-11 0019 Interrelationships of normal and cancer cells - Boron-slow neutron capture therapy-development of binding compounds
 P02CA-08832-08 0140 An integrated study of advanced malignant diseases - Immune capacity of patients in general cancer therapy
 P02CA-08832-08 0141 An integrated study of advanced malignant diseases - Immune capacity of patients to their own tumors
 P02CA-08832-08 0142 An integrated study of advanced malignant diseases - Antibody response to tumors by cytotoxicity of antibody and complement (human)
 P01CA-10815-06 0006 Consolidated basic cancer research program - Nature of immunogenetic interrelationships (mice)
 P01CA-10815-06 0020 Consolidated basic cancer research program - Enhancement of lymphoblast tumor growth in DBA/2 mice
 ** P01CA-10893-06 0002 Cancer Research Center - Clinical Research Section
 P01CA-10893-06 0015 Cancer Research Center - Study of human papilloma
 R01CA-11113-06 Tumor inhibitory enzymes (human, mice, guinea pigs)
 R01CA-12089-04 Immunology of chemically modified cancer cell (mice)
 ** P02CA-12247-03 0035 Pediatric oncology center - Tumor specific antibodies (mice)
 P01CA-12582-04 0003 Multidisciplinary cancer diagnosis and therapy - Isolation and purification of human tumor antigens
 ** R01CA-12626-03 Cytotoxic antitumor antibodies (rabbits, mice, humans)
 P02CA-13053-03 0038 Clinical cancer radiation therapy research center - Cell and immunoglobulin mediated immunity (mice)
 ** R01CA-13190-02 Human tumor-Specific immunity
 R01CA-13192-02 Cell-mediated immunologic destruction of tumor cells (human, guinea pigs, mice)
 R01CA-13264-02 Effect on tumor growth of removing enhancing antibody (mice)
 R01CA-13366-02 Evaluation of tumor antigen-detection systems (rats, rabbits, goats)
 P02CA-13696-02 0032 Clinical cancer research center - Virologic and immunologic studies of human brain tumors
 ** R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
 ** R01CA-13986-01 Immunologic prevention of chemically-induced cancer (rats)
 ** P01CA-14051-02 0003 Center for cancer biology at MIT - Tumor immunology (mice)
 ** P01CA-14089-01 0011 Pilot multidisciplinary cancer research program - Tumor antigens and antibodies in G I and bronchogenic cancer (human)
 ** R01CA-14125-01 A mathematical model for quantitation of cancer cells (mice)
 ** R26CA-14135-02 Immunology of bladder tumors (human, rats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-14193-02 0005 Comparative leukemia studies unit - Immunologic and genetic factors in bovine leukemogenesis
- ** PO1CA-14195-01 0002 Com grant-Regulation, the cell membrane and cancer - Murine antibody synthesis-immune related tumors-immunobiology
- ** R01CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)
- R26CA-14556-02 Human bladder tumors and papovaviruses
- PO1CA-14599-01 0022 University of Chicago Cancer Research Center - Immune status of patients with breast cancer
- ** R01CA-15009-01 Cell-associated tumor immunity in acute leukemia
- ** PO2CA-15145-01 0023 Cancer center support grant - Natural antibody profile of sera from cancer patients
- ** R26CA-15259-02 Iudium 111-anti-CEA for external detection of colonic tumors (mammals, nonhuman)
- ** R01CA-15556-01 Antigens and immunity in bronchogenic carcinoma (human)
- R01CA-15656-01 Carcinogenic action of estrogens in primates
- R26CA-15799-01 A model for colonic cancer-associated antigens (human, hamsters)
- PO1CA-15848-01 New approaches to tumor immunotherapy
- PO1CA-15936-01 0012 Specialized Cancer Center - Blood component therapy-Platelets (human)
- R01CA-16039-01 In vitro assay of tumor immunity (mice)
- PO1CA-16127-01 0006 Cancer Research and Treatment Center Program - Monoclonal immunoglobulin occurring in neoplasia (human)
- PO1CA-16127-01 0010 Cancer Research and Treatment Center Program - Transfer factor therapy in osteogenic sarcoma
- ** PO1CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- ** PO1CA-16247-01 0002 Immunologic aspects of cancer - Effect of parasitic infection on tumor growth and antibody production
- ** PO1CA-16247-01 0009 Immunologic aspects of cancer - Immune complexes in lymphocyte-mediated cytotoxicity (human, mice)
- PO1CA-16247-01 0012 Immunologic aspects of cancer - Specific immunotherapy (rabbits, human)
- R26CA-16365-01 Etiology of prostate tumors (human, rabbits)
- R26CA-16880-01 Bladder cancer-immunology, immunotherapy, and virology (mammals, nonhuman)
- ** R01CA-17025-01 Mode of action of a stimulator of tumor resistance
- R01CA-17050-01 Glycoprotein agglutinins of normal and transformed cells (mice)
- N01CB-33870-01 Effector mechanisms in tumor associated immune reactions (mice, human)
- ** N01CB-43881-00 Antibodies to human tumor cells
- ** N01CB-43882-00 Antibodies to carcinoma in experimental animals
- ** N01CB-43921-00 Human tumor associated antigens and corresponding antibodies
- ** N01CB-43953-00 Immunofluorescent techniques of antibodies against autologous human tumor cells
- N01CP-33345-01 Herpesvirus antigens and virions in human cervix carcinoma
- R01ES-00826-02 Function of lead in tumorigenesis (mice, rats)
- ** P01GM-06965-15 0060 Basic experimental biology - Sequence determination of two identical myeloma antibody molecules
- R01GM-20964-01 Genetic control of antibody structure (mice)
- M01RR-00071-11 0042 General clinical research center - Immunochemical study of human gamma globulins
- NEOPLASMS IMMUNOLOGY, TUMOR ANTIGENS**
- SEE ALSO IMMUNOLOGY, ANTIGENS APP
- SEE ALSO IMMUNOLOGY, ANTIGENS CARCINOEMBRYONAL
- R01AI-01725-17 Biochemistry of animal virus multiplication
- ** R01AI-10265-03 Synthetic tumor antigens (rabbits, rats, mice)
- R01AI-10686-02 Transfer factor therapy (human, rabbits, guinea pigs)
- R01AI-10947-03 0001 Metabolism of cells infected with nuclear DNA viruses - Nonstructural sulfated glycoproteins
- PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- R01AM-15663-03 Basement membrane-Structure, function, pathology (mice)
- R01AM-16596-01 Hepatic reticulum cells as surgical immune adjuvants (mice)
- ** N01AM-32212-02 Hyperlipidemia and atherogenesis (rats)
- ** R01CA-04798-16 Determination of specific antigens for tumor tissues (human, rabbits)
- PO2CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)
- PO2CA-05834-13 0037 Cancer clinical research center - Immunotherapy studies-Leukemia (human)
- PO2CA-05838-13 0023 Clinical radiotherapy cancer research center - Hodgkin's disease
- R01CA-05895-13 0002 Stages of carcinogenesis of the cervix uteri in mice - Arrest of Hodgkins-like tumors by immunotherapy (mice S.H./J)
- PO2CA-06516-12 0024 Cancer center support grant-Comprehensive - Investigation of immune response in cancer patients
- PO2CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
- PO2CA-07177-11 0013 Clinical cancer research center - Immunotherapy for carcinoma-embryonic antigen (human)
- ** PO2CA-07177-11 0015 Clinical cancer research center - The role of tumor specific antigens in malignancy of breast cancer (human)
- PO2CA-07357-10 0001 Special children's cancer center program - Role of viruses in etiology of acute leukemia (human, primates nonhuman)
- ** PO2CA-07357-10 0021 Special children's cancer center program - Study of tumor specific antigens (human)
- PO1CA-07368-11 0008 Interrelationships of normal and cancer cells - Identification of tumor antigens in human astrocytoma
- ** PO1CA-08748-09 5928 Research program of Sloan-Kettering Institute - Viral associated antigens in gynecologic cancers (human)
- PO1CA-08748-09 6811 Research program of Sloan-Kettering Institute - Linkage relationship of genes specifying cell surface components (mice)
- ** PO1CA-08748-09 6814 Research program of Sloan-Kettering Institute - Antigen markers in characterizing and separating nerve cells (mammals)
- R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
- R01CA-08975-08 Effect of tumor virus on antigen constitution of cells (monkeys, human)
- R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
- ** R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- PO2CA-10438-08 0031 Clinical radiation therapy research center - Tumor immunotherapy with in vitro armed macrophages (human)
- ** PO1CA-10815-06 0002 Consolidated basic cancer research program - Purify mouse histocompatibility antigens
- PO1CA-10815-06 0006 Consolidated basic cancer research program - Nature of immunogenetic interrelationships (mice)
- PO1CA-10815-06 0008 Consolidated basic cancer research program - Isolate and characterize T antigen (human, hamsters, mice)
- PO1CA-10815-06 0010 Consolidated basic cancer research program - Immunization with fetal tissue (hamsters)
- ** PO1CA-10815-06 0016 Consolidated basic cancer research program - Characterize immune response to tumor-associated virus (amphibians, fish)
- PO1CA-10815-06 0020 Consolidated basic cancer research program - Enhancement of lymphoblast tumor growth in DBA/2 mice
- PO1CA-10815-06 0027 Consolidated basic cancer research program - Functions of viral genome in SV40 transformed cells (human, monkeys)
- ** PO1CA-10815-06 0038 Consolidated basic cancer research program - Viruses in cells from canine tumors
- PO1CA-10815-06 0045 Consolidated basic cancer research program - Oncogenic viruses and embryogenesis (mice)
- PO1CA-10815-06 0062 Consolidated basic cancer research program - Expression of cell surface antigens in hybrid cells (human, mice)
- PO1CA-10893-06 0014 Cancer Research Center - Viral genes involved in cell transformation (monkeys, mice, hamsters)
- PO1CA-10893-06 0015 Cancer Research Center - Study of human papilloma
- PO1CA-10893-06 0019 Cancer Research Center - Cancer immunology-Approaches with SV40-induced tumors (mice, hamsters, human)
- ** PO1CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
- R01CA-10941-06 Proliferation and differentiation of stem cells (mice)
- R01CA-11224-06 0004 Neurooncogenesis by reosptive carcinogens - N-nitrosoureas as possible activators of C type viruses (rats)
- ** R01CA-11896-04 Brain tumors-Virological and immunological studies (hamsters, rabbits)
- ** R01CA-12473-03 Model system for the study of tumor associated antigen (rats, guinea pigs)
- R10CA-12535-04 Gynecologic oncology group
- ** PO1CA-12582-04 0003 Multidisciplinary cancer diagnosis and therapy - Isolation and purification of human tumor antigens
- PO1CA-12582-04 0004 Multidisciplinary cancer diagnosis and therapy - Correlation of immune response with clinical course
- PO1CA-12582-04 0009 Multidisciplinary cancer diagnosis and therapy - Adoptive immunotherapy
- ** PO1CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
- ** PO1CA-12662-03 0006 Cancer research center - Tumor specific antigen in Hodgkins disease and lymphosarcoma (human, rabbits, mi)
- ** R01CA-12710-03 Relation of bloodgroup and human tumor-antigens
- ** PO1CA-12800-03 0019 Immune functions and cancer - Immunology of human tumors
- R01CA-12850-03 Retinal cells in tissue culture (human, rabbits, rodents)
- ** R01CA-12851-03 Embryonic and virally induced tumor cell membrane antigens (chickens, human)
- ** PO2CA-12924-03 0017 Tufts cancer research center - A malignant melanoma antigen phenotype (rats)
- R01CA-13007-03 Human wart virus as an oncogenic agent
- PO1CA-13038-03 0073 Experimental therapeutics and cancer drug program - Antigenic expression of murine lymphoma L1210
- PO2CA-13053-03 0038 Clinical cancer radiation therapy research center - Cell and immunoglobulin mediated immunity (mice)
- PO2CA-13053-03 0067 Clinical cancer radiation therapy research center - Immunological reactivity of patients with gynecological malignancy
- ** R01CA-13077-03 CEA characterization and radioimmunoassay (human, mammals nonhuman)
- PO1CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
- PO2CA-13148-03 0062 Pilot cancer center - Hodgkin's disease
- R01CA-13192-02 Cell-mediated immunologic destruction of tumor cells (human, guinea pigs, mice)
- ** R01CA-13261-03 Virus induction of nonviral mammary tumor antigens (mice)
- R01CA-13264-02 Effect on tumor growth of removing enhancing antibody (mice)
- R01CA-13269-02 Role of regional lymph nodes in cancer surgery (human)
- ** PO1CA-13330-03 0008 Cancer research program - Immunology of breast cancer (human, rabbits)
- ** PO1CA-13330-03 0016 Cancer research program - Lymphocyte cell-mediated immunity in cancer (human, mice)
- ** PO1CA-13330-03 0044 Cancer research program - Genetic and immunologic factors in viral leukemogenesis (mice)
- ** PO1CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
- ** R01CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
- ** R01CA-13333-03 Murine myeloma tumor studies
- ** R01CA-13339-02 Host defenses against lymphoblastic leukemia (human, mice)
- ** R01CA-13366-02 Evaluation of tumor antigen-detection systems (rats, rabbits, goats)
- R01CA-13467-02 Immunotherapy of mouse lymphomas
- R10CA-13662-02 Malignant melanoma group
- ** PO2CA-13696-02 0011 Clinical cancer research center - Immunochemical studies of breast tissue antigens (human, rabbits, hamsters)
- ** PO2CA-13696-02 0019 Clinical cancer research center - Immunocellular studies of colorectal cancer (human)
- ** PO2CA-13696-02 0063 Clinical cancer research center - Immunologic monitoring of treatment impact-Tumor antigen (human)
- ** PO2CA-13696-02 0064 Clinical cancer research center - Fluorescent antibody studies (human)
- ** R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
- ** R01CA-13844-02 Isolation of tumor antigens of human melanoma
- ** PO2CA-13943-02 0020 Clinical pharmacology immunology cancer research center - Detection of immune responses to tumor cell antigens of solid tumors
- ** PO2CA-13943-02 0021 Clinical pharmacology immunology cancer research center - Specific host defenses in human patients against solid tumor antigens
- ** PO2CA-13943-02 0022 Clinical pharmacology immunology cancer research center - Circulating tumor antigen in human cancer patients
- ** PO2CA-13943-02 0024 Clinical pharmacology immunology cancer research center - Effect of soluble antigen on antitumor immunity to mouse mammary cancer
- ** PO2CA-13943-02 0028 Clinical pharmacology immunology cancer research center - Immune responses to tumor cell antigens of leukemia and lymphoma (human)
- ** PO2CA-13943-02 0061 Clinical pharmacology immunology cancer research center - Clinical evaluation of patients with CEA antigen without disease
- PO2CA-13943-02 0069 Clinical pharmacology immunology cancer research center - Response genito-urinary tumors (human, hamsters, rats)
- PO2CA-13943-02 0071 Clinical pharmacology immunology cancer research center - Detection of immune responses to breast tumor antigens (human)
- ** PO1CA-14051-02 0003 Center for cancer biology at MIT - Tumor immunology (mice)
- ** R01CA-14054-02 Malignant behavior and cellular antigen expression (mice, human)
- ** PO1CA-14089-01 0011 Pilot multidisciplinary cancer research program - Tumor antigens and antibodies in G I and bronchogenic cancer (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- P01CA-14089-01 0052 Pilot multidisciplinary cancer research program - Basic research projects-radiation oncology
- P01CA-14089-01 0055 Pilot multidisciplinary cancer research program - Abnormal human blood factors following radiotherapy
- R01CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
- P01CA-14193-02 0005 Comparative leukemia studies unit - immunologic and genetic factors in bovine leukemogenesis
- P01CA-14193-02 0008 Comparative leukemia studies unit - immunological factors in growth of RadLV lymphoma (rats)
- P01CA-14193-02 0009 Comparative leukemia studies unit - Detection of RadLV or genome in lymphoma (tissue culture, rats)
- P01CA-14195-01 0002 Com grant-Regulation, the cell membrane and cancer - Murine antibody synthesis-immune related tumors-immunobiology
- P01CA-14195-01 0010 Com grant-Regulation, the cell membrane and cancer - Regulation and function of cell surface antigens (mice)
- P01CA-14195-01 0013 Com grant-Regulation, the cell membrane and cancer - Live cell immunogens for tumor rejection (rats)
- R01CA-14297-02 Immuno-diagnosis of ovarian carcinoma (human, rabbits)
- R01CA-14346-02 Human tumor-Associated molecular expressions-CEA
- ** R01CA-14364-02 Selective stimulation of cell mediated cancer immunity (mice, guinea pigs)
- ** R01CA-14374-02 0002 Effect of radiotherapy on host immune reactions - Release of tumor specific antigen following local irradiation (rats, mice)
- ** P01CA-14395-02 0012 Cancer research center of Greater Miami - Antigens from genital tumors (human)
- ** R01CA-14420-02 Blood-group antigens on tumor cell membranes (human, mice, guinea pigs)
- R01CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)
- R01CA-14502-02 Heteroantiseria to human leukemia-associated antigens (mice)
- R26CA-14556-02 Human bladder tumors and papovaviruses
- P01CA-14599-01 0005 University of Chicago Cancer Research Center - Immunity and neoplastic disease (mice, chickens, human)
- ** P01CA-14599-01 0006 University of Chicago Cancer Research Center - Approach to immunotherapy of lung cancer (human)
- R01CA-14692-02 Cancer cell survival and mechanisms of cytotoxicity (human, mice)
- ** R01CA-14694-02 An immunologic approach to trophoblastic neoplasia (human)
- P01CA-14723-02 0001 Experimental cancer immunology - Enhancing cellular immunity to transplantation antigen (guinea pigs, rats, mice)
- ** P01CA-14723-02 0004 Experimental cancer immunology - Non-specific augmentation of tumor-specific immunity (rats, mice, hamsters)
- ** P01CA-14723-02 0005 Experimental cancer immunology - Isolation of Hodgkin's disease tumor-associated antigen (human)
- P01CA-14723-02 0007 Experimental cancer immunology - Role of mononuclear phagocytes in tumor immunity (mice)
- ** P01CA-14723-02 0008 Experimental cancer immunology - Tumor-specific immunity in vitro (mice)
- ** R01CA-14782-02 Antigenic strength of nonviral tumors (mice)
- ** R01CA-14815-01 Purification and characterization tumor specific antigen (human, mice)
- ** R01CA-14854-01 Cancer cell surface glycoproteins (mice, human)
- ** R01CA-14872-01 Embryonic components in cancer and pathologic tissues (human, rabbits)
- ** R26CA-14924-02 Immunity to colonic carcinomas in rats and man
- R01CA-15009-01 Cell-associated tumor immunity in acute leukemia
- R01CA-15071-01 Translation products of the RNA tumor virus genome
- P02CA-15145-01 0004 Cancer center support grant - Immunologic approach to trophoblastic disease
- P02CA-15145-01 0040 Cancer center support grant - Antigenic reactions of normal and leukemic cells (human)
- R01CA-15167-01 Immunologic responses in neoplastic growth (mice)
- ** R01CA-15182-01 0002 In vitro characterization of Hodgkin's disease cells - Isolation and characterization of tumor associated antigens (human, hamsters)
- R01CA-15202-01 Immunological studies in patients with breast cancer
- ** R01CA-15222-01 Chemistry and metabolism of hepatoma alpha fetoprotein (rats)
- ** R01CA-15256-01 A radioimmunoassay for ovarian cancer (human)
- R26CA-15263-01 Immune status of gastrointestinal tumor - Colon (human)
- R01CA-15277-01 Immunocompetent cells in experimental leukemia (mice)
- R01CA-15306-01 Mechanisms of immunosuppression of murine myeloma
- ** R01CA-15334-01 Cellular mechanism in tumor-specific immunity (mice)
- R01CA-15373-01 Circulating immune complexes in human cancer
- R26CA-15429-01 Detection of early colon cancer (human)
- ** R26CA-15434-02 Antigenic stimulus in human colon carcinoma immunity
- ** R26CA-15437-01 Carcino-fetal antigens in prostatic cancers (human)
- R26CA-15438-02 Oncogenic viruses in human prostate cancer
- ** R26CA-15442-01 Specificity of cell membrane antigens in prostatic cancer (human, rodents)
- R26CA-15553-01 Tumor-specific immunity in bladder cancer (human)
- R01CA-15581-01 Immune response to tumor cell surface antigens (mice)
- ** R01CA-15586-01 Enhancement and cellular injury in tumor systems (rats, human)
- ** P01CA-15655-01 0038 Cancer center support grant - Immunodiagnosis and immunotherapy of cancer (human)
- ** R01CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)
- P02CA-15688-01 0003 Program in medical oncology - Separation of hematopoietic stem cells and immunocytes
- R01CA-15691-01 Immunotherapy in lung carcinoma with autologous tumor (mice, human)
- R01CA-15751-01 Function of tumor virus specific non-virion proteins
- R01CA-15788-01 Mechanisms of immunoblocking versus tumor immunity (mice, rats)
- ** R26CA-15799-01 A model for colonic cancer-associated antigens (human, hamsters)
- ** P01CA-15822-01 0002 Immunobiology of normal and neoplastic lymphocytes - B-cell immunology
- ** R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
- P01CA-15848-01 New approaches to tumor immunotherapy
- ** R01CA-15926-01 Immune reagents for tumor research and immunotherapy (mice)
- R01CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)
- R01CA-15988-01 Immune surveillance and cancer (mice)
- ** R01CA-16032-01 Binding site mutants of mouse plasmacytomas
- P01CA-16127-01 0007 Cancer Research and Treatment Center Program - Immunodiagnosis of cancer-tumor-specific antigens (rabbits, human)
- ** P01CA-16127-01 0011 Cancer Research and Treatment Center Program - Tumor-associated antigens in immunity and enhancement (mice)
- ** P01CA-16127-01 0013 Cancer Research and Treatment Center Program - Immune function in gastritis and gastric carcinoma
- ** P01CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)
- P01CA-16246-01 0004 Integrated tumor biology program - Genetics of tumor induction by Rous virus (mice)
- P01CA-16247-01 0003 Immunologic aspects of cancer - Genetic control of the response to plasma cytochrome antigens (mice)
- P01CA-16247-01 0007 Immunologic aspects of cancer - Development of a radio-immunoassay (mice)
- P01CA-16247-01 0008 Immunologic aspects of cancer - Treatment with transfer factor and immune response (human)
- ** P01CA-16247-01 0009 Immunologic aspects of cancer - Immune complexes in lymphocyte-mediated cytotoxicity (human, mice)
- P01CA-16247-01 0012 Immunologic aspects of cancer - Specific immunotherapy (rabbits, human)
- ** R01CA-16278-01 Characterization of fetal antigens in tumors (hamsters, mice)
- ** R01CA-16309-01 Carcino fetal isoferritins (human)
- R01CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- R26CA-16365-01 Etiology of prostate tumors (human, rabbits)
- ** R26CA-16426-01 Antigenic components of human prostatic adenocarcinoma (mice)
- ** R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
- ** R26CA-16732-01 Glucoprotein antigens in experimental large bowel cancer (rats)
- R01CA-17025-01 Mode of action of a stimulator of tumor resistance
- R01CA-17049-01 Recognition of tumor cells by T lymphocytes (mice, chickens)
- R01CA-17099-01 Factors in canine mast tumor implantation and growth (beagles)
- ** N01CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
- ** N01CB-23871-04 Purification of an antigen from human mammary carcinoma
- ** N01CB-23878-03 Immune responses of mice and rats to tumor associated antigens (also hamsters)
- N01CB-33870-01 Effector mechanisms in tumor associated immune reactions (mice, human)
- N01CB-43858-00 Nature of interactions between tumor cells and immunoglobulins
- ** N01CB-43859-00 Biochemistry and diagnostic use of human tumor antigens
- ** N01CB-43860-00 Development of immunodiagnostic tests for cancer
- ** N01CB-43874-00 Circulating tumor antigens in immunotherapy (rats)
- ** N01CB-43881-00 Antibodies to human tumor cells
- N01CB-43882-00 Antibodies to carcinoma in experimental animals
- ** N01CB-43858-00 New human tumor-associated antigens of the GI tract
- ** N01CB-43858-00 Search for new human tumor associated antigens in carcinoma of the lung
- ** N01CB-43891-00 Animal models for circulating tumor associated antigens (Holtzman rats)
- N01CB-43893-00 Migration inhibition assays (mice, human)
- N01CB-43915-00 NCI human histocompatibility typing center
- ** N01CB-43920-00 Biochemistry of normal and tumor cell surface antigens
- ** N01CB-43921-00 Human tumor associated antigens and corresponding antibodies
- ** N01CB-43933-00 Sensitization of human lymphocytes
- ** N01CB-43942-00 Immunocytochemistry of tumor angiogenesis factor (rabbits)
- ** N01CB-43946-00 Immunotherapy-Role of circulating tumor antigens (mice)
- N01CB-43948-00 Macrophages in tumor immunology (human, mice)
- ** N01CB-43858-00 New human tumor associated antigens of the GI tract
- ** N01CB-43965-00 Improvements of assays for cell-mediated immunity (mice)
- ** N01CB-43972-00 Genetic control of immune response to cancer
- ** N01CB-43985-00 Normal and tumor cell surface antigens
- ** N01CB-43994-00 Humoral or cellular immunologic responses (mice)
- ** N01CB-43997-00 Humoral or cellular immunologic responses
- ** N01CB-44009-00 Biochemistry of normal and tumor cell surface antigens (mice)
- N01CB-43702-00 Canine bone marrow transplantation and immunotherapy studies
- N01CP-22020-04 Cell biology facilities and tumor immunology (human, mammals nonhuman)
- ** N01CP-33218-02 Cellular immunity in breast cancer (mice)
- N01CP-33314-01 Role of herpes simplex virus in human malignancies
- N01CP-33337-01 Antitumor reactivity in patients with leukemia and lymphoma
- N01CP-33345-01 Herpesvirus antigens and virions in human cervix carcinoma
- ** N01CP-43211-02 Viruses, genetics and immunity in the etiology of human cancer
- ** N01CP-43225-00 Immunity to virus associated and tumor associated antigens (mice, human)
- ** N01CP-43325-00 Relationship of embryonic antigens to virus-induced tumor antigens (mammals)
- ** N01CP-43330-00 Cellular immunity to herpes simplex antigens in cancer patients and controls
- ** N01CP-43333-00 Immunological assay for DNA and RNA virus
- N01CP-43335-00 Human materials for transmissible agents in tumors
- ** N01CP-43358-00 Immunological studies on animal breast carcinoma (mice)
- ** N01CP-43370-00 Immunological studies on breast carcinoma (human, mice)
- ** N01CP-43394-00 Relationship of embryonic antigens to virus-induced tumor antigens (mammals)
- P01GM-19527-03 0001 Human genetics - Genetic defects affecting development (mice, sheep)
- R01HD-07642-01 Aging and immune response to transplants and tumors (mice)
- R01HL-10980-08 Ultrastructural renal pathology (human, rats)
- M01RR-00833-01 0022 General clinical research center - Quantitative expression of HL-A antigen on leukocytes of leukemia patients

NEOPLASMS IMMUNOLOGY, TUMOR ANTIGENS, SYNTHETIC

- ** R01AI-10265-03 Synthetic tumor antigens (rabbits, rats, mice)
- ** P01CA-14195-01 0021 Com grant-Regulation, the cell membrane and cancer - Synthetic tumor antigens

NEOPLASMS INVASIVENESS

SEE ALSO NEOPLASMS METASTASIS

- ** P02CA-06518-11 0032 Radiation and radiobiology research center - Invasive carcinoma of the cervix (human)
- ** P02CA-06519-12 0053 Radiation therapy and biology research program - Studies on the spread of Hodgkins disease
- ** P02CA-06519-12 0055 Radiation therapy and biology research program - Radiation therapy of carcinoma of prostate

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*Excludes murine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-07177-11 0015 Clinical cancer research center - The role of tumor specific antigens in malignancy of breast cancer (human)
- ** P02CA-11051-06 0054 Clinical radiation research center - Radiopathology-cytokinesis studies of human neoplasms
- P01CA-11491-05 0001 Irradiation and tissue-localization response - Relationship of interferon induction to growth and metastases (rats, mice)
- P02CA-11911-04 0019 Clinical cancer center - Surgery and chemotherapy for stage III and IV ovarian cancer
- ** R01CA-12109-04 0013 Trophoblastic disease - Hydatid mole
- R01CA-12109-04 0014 Trophoblastic disease - Choriocarcinoma and invasive mole-Height of initial HCG titer
- R01CA-12109-04 0018 Trophoblastic disease - Early detection of choriocarcinoma and invasive mole with hydatid mole
- R01CA-12109-04 0020 Trophoblastic disease - Earliest effectiveness of cancer chemotherapy
- R01CA-12109-04 0021 Trophoblastic disease - Chemotherapy of patients with choriocarcinoma and invasive mole
- R10CA-12476-04 Gynecologic oncology group
- R10CA-12477-04 Gynecologic oncology group
- R10CA-12478-04 Gynecologic oncology group
- R10CA-12482-04 Gynecologic oncology group
- R10CA-12483-04 Gynecologic oncology group
- R10CA-12484-04 Gynecologic oncology group (human)
- R10CA-12485-04 Gynecologic oncology group (human)
- R10CA-12534-04 Gynecologic oncology group
- P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
- P02CA-13696-02 0058 Clinical cancer research center - Neoplasia-Related project in progress (human)
- ** R01CA-14766-02 Studies in tumor angiogenesis and invasiveness (hamster cheek pouch)
- P02CA-15145-01 0007 Cancer center support grant - Early detection of choriocarcinoma and invasive mole (human)
- P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
- ** P02CA-15145-01 0011 Cancer center support grant - Chemotherapy of choriocarcinoma and invasive mole (human)
- ** P02CA-15145-01 0012 Cancer center support grant - Detection of choriocarcinoma and invasive mole
- R01CA-15290-01 Cancer spreading factors as a target for zinc therapy
- R26CA-15491-01 National Bladder Cancer Collaborative Group A
- ** R01CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)
- R26CA-15937-01 National Bladder Cancer Collaborative Group A
- P01CA-16127-01 0020 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bladder carcinoma (human)
- ** R01CA-16231-01 Role of protoysis in malignant growth (human, rodents, viruses)
- N01CB-43874-00 Circulating tumor antigens in immunotherapy (rats)
- N01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)
- N01CP-43379-00 Cervical neoplasia and human herpes simplex virus type 2
- R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
- ** M01RR-00051-13 0128 General clinical research center - Handling and fate of tissue I 125 fibrinogen (rabbits, human)
- M01RR-00125-11 0199 General clinical research center-adult-child - Combination chemotherapy and CNS prophylaxis for acute lymphoblastic leukemia
- NEOPLASMS METASTASIS**
- SEE ALSO NEOPLASMS INVASIVENESS
- R01AM-15810-03 Studies of thyroid hormone metabolism (human)
- R01AM-16596-01 Hepatic reticulum cells as surgical immuno adjuvants (mice)
- ** P01AM-17433-01 0014 Cardiovascular, metabolic aspects of membrane transport - Erythrocyte transport defect in cancer (human)
- R10CA-02599-20 Acute leukemia group B (human)
- R10CA-02649-18 Childrens cancer study group A
- R10CA-02822-19 Eastern cooperative oncology group (human)
- R10CA-02824-19 Eastern cooperative oncology group
- R10CA-02971-18 Childrens cancer study group A
- R10CA-03357-17 Cooperative study of breast cancer
- R10CA-03358-17 Cooperative breast cancer group
- R10CA-03526-17 Childrens cancer study group A
- R10CA-03664-16 Cooperative breast cancer group
- R10CA-03740-16 Cooperative breast cancer group (human)
- P01CA-04486-15 0001 Pathology of the digestive tract mucous membrane - Clinical and morphologic studies of CEA
- ** R01CA-05197-15 Endocrine factors influencing tumor growth in man
- R10CA-05588-14 Eastern cooperative oncology group
- P02CA-05826-13 0045 Clinical cancer research center - Medical and metabolic studies-thyrotropin releasing hormone in thyroid cancer
- P02CA-05826-13 0047 Clinical cancer research center - Medical and metabolic studies-growth hormone peptides in man
- P02CA-05826-13 0048 Clinical cancer research center - Medical and metabolic studies-effect of calcitonin on hypercalcemia
- ** P02CA-05826-13 0059 Clinical cancer research center - Calcium metabolism in cancer and metabolic bone disease
- ** P02CA-05826-13 0069 Clinical cancer research center - Classification of neurological complications of cancer
- P02CA-05826-13 0074 Clinical cancer research center - Fast and slow radiotherapy of metastatic brain tumors (human)
- P02CA-05826-13 0075 Clinical cancer research center - Radiation therapy versus surgery for cord compression (human)
- ** P02CA-05826-13 0076 Clinical cancer research center - Radiation, CCNU and steroids for malignant melanoma (human)
- ** P02CA-05826-13 0077 Clinical cancer research center - Surgery versus radiation therapy for single metastases (human)
- P02CA-05826-13 0078 Clinical cancer research center - Chemotherapy of primary and metastatic tumors (human)
- P02CA-05826-13 0080 Clinical cancer research center - Endometrial and breast cancer (human)
- P02CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
- P02CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
- P02CA-05831-13 0012 Cancer clinical research - Chronic thoracic duct fistula (human)
- P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
- ** P02CA-05838-13 0008 Clinical radiotherapy cancer research center - Combined chemo- and radiotherapy of brain tumors
- P02CA-05838-13 0012 Clinical radiotherapy cancer research center - Prostate protocol
- ** R01CA-05949-13 Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice)
- P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
- P02CA-06294-13 0013 Radiotherapy research - Medication in radiation therapy techniques (human)
- P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
- P02CA-06518-11 0008 Radiation and radiobiology research center - Effect of hyperthermia on radiosensitivity (mice)
- P02CA-06518-11 0020 Radiation and radiobiology research center - Delayed hypersensitivity response in cancer (human)
- P02CA-06518-11 0032 Radiation and radiobiology research center - Invasive carcinoma of the cervix (human)
- ** P02CA-06518-11 0035 Radiation and radiobiology research center - Metastases at elevated temperature (mice)
- P02CA-06518-11 0038 Radiation and radiobiology research center - DNCC study
- P02CA-06519-12 0043 Radiation therapy and biology research program - Preoperative radiation in carcinoma of the rectum (human)
- ** R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- R10CA-07190-12 Eastern cooperative oncology group
- ** P02CA-07357-10 0020 Special children's cancer center program - Natural history of acute leukemia
- R10CA-08025-10 Acute leukemia group B
- ** R01CA-08231-10 0003 Radiobiology research program - Tumor bed damage and metastasis (mice)
- ** P01CA-08748-09 5536 Research program of Sloan-Kettering Institute - Calcium deposition in bone lesions following radiotherapy (human)
- P01CA-08748-09 5634 Research program of Sloan-Kettering Institute - Effect of cancer on calcium-47 kinetics (human)
- P01CA-08748-09 7804 Research program of Sloan-Kettering Institute - Resistance to cancer and delayed hypersensitivity (human)
- P02CA-08832-08 0147 An integrated study of advanced malignant diseases - Chemotherapy of carcinoma of colon and rectum
- P02CA-08832-08 0150 An integrated study of advanced malignant diseases - Four and five drug combination therapy in metastatic breast cancer (human)
- P02CA-08832-08 0157 An integrated study of advanced malignant diseases - Imidazole carbonamide for melanoma (human)
- R10CA-10379-06 Southwest cancer chemotherapy study group
- P02CA-10438-08 0011 Clinical radiation therapy research center - Kinetics of lymphocytes in human tumors
- P02CA-10438-08 0024 Clinical radiation therapy research center - CEA antigen (human)
- R10CA-10572-06 Eastern cooperative oncology group
- R10CA-10948-06 Eastern cooperative oncology group
- P02CA-11051-06 0024 Clinical radiation research center - Time-dose studies in central nervous system metastases (human)
- P02CA-11051-06 0027 Clinical radiation research center - Iridium implantation boost technique (human)
- ** P02CA-11051-06 0052 Clinical radiation research center - Radiation pathology-Pulmonary irradiation and metastasis (mice)
- ** P02CA-11051-06 0059 Clinical radiation research center - Effect of whole lung irradiation on occult metastases (mice)
- P02CA-11067-05 0008 Clinical cancer research center - Cooperative study of potential anticancer drugs (mice)
- R10CA-11109-06 Eastern cooperative oncology group
- ** P01CA-11491-05 0001 Irradiation and tissue-localization response - Relationship of interferon induction to growth and metastases (rats, mice)
- P01CA-11491-05 0002 Irradiation and tissue-localization response - Antilocalization and hyaluronidase (mammals nonhuman)
- ** P01CA-11491-05 0003 Irradiation and tissue-localization response - Pharmacological approach to antilocalization study (human, mammals nonhuman)
- P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
- P02CA-11911-04 0015 Clinical cancer center - Sensitivity of radioisotope liver scanning in metastases
- P02CA-11911-04 0020 Clinical cancer center - Palliation of disseminated malignant melanoma
- R01CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
- R01CA-12109-04 0008 Trophoblastic disease - HL-A markers in chorionin epithelioma
- P02CA-12178-04 0004 Radiotherapy-oncology center - Carcinoma of the cervix
- P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
- R10CA-12252-03 Radiation therapy oncology group
- R10CA-12258-03 Radiation therapy oncology group
- R10CA-12260-03 Radiation therapy oncology group
- R10CA-12261-03 Radiation therapy oncology group
- R10CA-12271-04 Central oncology group
- R10CA-12272-04 Central oncology group
- ** R10CA-12273-04 Central oncology group
- R10CA-12275-04 Central oncology group
- ** R10CA-12277-04 Central oncology group
- R10CA-12279-04 Central oncology group
- R10CA-12280-04 Central oncology group
- ** R10CA-12283-04 Central oncology group
- ** R10CA-12284-04 Central oncology group
- ** R10CA-12285-04 The central oncology group
- R10CA-12280-04 Central oncology group
- ** R10CA-12287-04 Central oncology group
- ** R10CA-12283-04 Central oncology group
- ** R10CA-12289-04 Central oncology group
- R10CA-12290-04 Central oncology group
- R10CA-12294-04 Central oncology group
- ** R10CA-12295-04 Central oncology group
- ** R01CA-12456-04 Analysis of the mechanisms of cancer metastasis (mice, dogs)
- R10CA-12483-04 Gynecologic oncology group
- R10CA-12534-04 Gynecologic oncology group
- P01CA-12582-04 0005 Multidisciplinary cancer diagnosis and therapy - Immunotherapy experiments in animal (tumor host systems)
- P01CA-12582-04 0010 Multidisciplinary cancer diagnosis and therapy - Combination chemo-immunotherapy
- ** R01CA-12764-03 Selective inhibitors of cancer metastasis (mice, rats)
- ** P01CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- ** P01CA-12923-02 0020 A correlated study on the biology of neoplasia - Cellular populations evolving in neoplastic progression (human)
- R01CA-13028-03 Identification of breast cancer isoenzymes (human)
- P01CA-13038-03 0041 Experimental therapeutics and cancer drug program - Evaluation of model systems for tumor metastasis treatment
- P02CA-13053-03 0007 Clinical cancer radiation therapy research center - Wilms tumor protocol (human)
- P02CA-13053-03 0052 Clinical cancer radiation therapy research center - Chemotherapy in management of primary Ewing's sarcoma (human)
- P02CA-13053-03 0053 Clinical cancer radiation therapy research center - Adjuvant chemotherapy in primary rhabdomyosarcoma (human)
- P02CA-13053-03 0061 Clinical cancer radiation therapy research center - Fluorouracil in pediatric solid tumors
- ** P02CA-13053-03 0075 Clinical cancer radiation therapy research center - Combined pulmonary irradiation and fluorouracil therapy in lung tumors (human)
- P02CA-13053-03 0079 Clinical cancer radiation therapy research center - Osteogenic sarcoma-Methotrexate chemotherapy and radiotherapy (children)
- R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- ** R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Original significantly to above subject.
 III Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01CA-13306-02 Early diagnosis of cancer and of cancer metastases (human)
 P01CA-13330-03 0008 Cancer research program - Immunology of breast cancer (human, rabbits)
 R01CA-13435-02 Effects of therapeutic radiation on lymphocyte response (human)
 R10CA-13446-01 Gynecologic Oncology Group
 R01CA-13447-02 Circulating thyroidal proteins in thyroid carcinoma (human)
 R01CA-13451-02 The biology of human neuroblastoma
 R10CA-13631-02 Gynecology oncology group
 R10CA-13632-03 Gynecologic oncology group
 R10CA-13633-03 Gynecologic oncology group
 R10CA-13641-03 Gynecologic oncology group
 P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
 P02CA-13696-02 0016 Clinical cancer research center - Colorectal cancer-Adjuvantive chemotherapy (human)
 ** P02CA-13696-02 0022 Clinical cancer research center - Tumorigenesis in primate ovaries and testes
 P02CA-13696-02 0023 Clinical cancer research center - Chemotherapy of nervous system tumors-Clinical studies (human)
 R10CA-13887-02 Gynecologic oncology group
 R10CA-14058-01 Radiation Therapy Oncology Group
 R10CA-14060-02 Radiation therapy oncology group
 R01CA-14296-02 Androgen-estrogen production rates in breast cancer (human)
 R01CA-14374-02 0003 Effect of radiotherapy on host immune reactions - A new class of immune adjuvants-polyocations (mice)
 P01CA-14395-02 0031 Cancer research center of Greater Miami - DNA biosynthesis and drug effects in skin cancer (human)
 P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
 P01CA-14599-01 0016 University of Chicago Cancer Research Center - Development and aging of canine prostate-Induction of prostatic carcinoma
 P01CA-14599-01 0021 University of Chicago Cancer Research Center - Pathology evaluation of breast (human)
 P01CA-14599-01 0022 University of Chicago Cancer Research Center - Immune status of patients with breast cancer
 P01CA-14599-01 0024 University of Chicago Cancer Research Center - Hormonal milieu in breast cancer (human)
 P01CA-14599-01 0025 University of Chicago Cancer Research Center - Estrogen receptors and breast cancer response to endocrine therapy (human)
 P01CA-14599-01 0026 University of Chicago Cancer Research Center - Localization of estradiol receptor in human breast neoplasm
 ** P01CA-14599-01 0028 University of Chicago Cancer Research Center - Use of cesium-131 in choice of therapy for metastatic cancer (human)
 ** P01CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
 ** P01CA-14599-01 0033 University of Chicago Cancer Research Center - Comprehensive therapy of metastatic colon and rectal cancer (human)
 R01CA-14775-02 Tumor immunity related to clinical course and therapy (human)
 R01CA-14904-02 The role of the hyperplastic liver nodule in carcinogenesis (rats)
 ** R01CA-14972-01 Surgical removal of primary tumors, immunity and metastases (mice)
 R01CA-14985-02 5-Bromo-deoxyuridine effects on marrow and tumor cells (mice, rats)
 ** R01CA-14993-01 Effect of immunologic factors on metastasis (mice)
 P02CA-15083-01 0008 Cancer Center Support Grant-Mayo Foundation - Management of breast cancer (human)
 ** R01CA-15122-01 Cell surface properties of metastatic tumors (cell lines)
 P02CA-15145-01 0006 Cancer center support grant - Combination chemotherapy of high risk choriocarcinoma and invasive mole (human)
 R26CA-15284-02 Chemotherapy for patients with prostatic cancer
 R10CA-15294-01 Western Cancer Study Group
 R01CA-15332-01 Cancer of the endocrine pancreas (human)
 R01CA-15516-01 ABO(H) blood groups and blood group enzymes in cancer (human, seeds)
 R01CA-15619-01 Normal and malignant hematopoietic cell replication (human, rabbits)
 P02CA-15688-01 0012 Program in medical oncology - Combination radio-chemotherapy of testis neoplasms
 P02CA-15688-01 0015 Program in medical oncology - Adjuvant chemotherapy, carcinoma of the breast
 ** R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
 R01CA-15775-01 Epigenetic processes in thyroid carcinoma (human, rats)
 R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
 R01CA-15924-01 Treatment of brain edema due to metastatic cancer (dogs)
 R10CA-15938-01 Radiation Therapy Oncology Group
 R10CA-15975-01 Gynecologic oncology group
 R10CA-15977-01 Gynecologic Oncology Group
 ** R01CA-16019-01 Lymph node metastasis-Angiographic and isotopic studies (rabbits)
 ** R01CA-16089-01 Immunotherapy and dynamics of the metastatic process (mice)
 P01CA-16127-01 0002 Cancer Research and Treatment Center Program - Human radiobiology studies with pions
 P01CA-16127-01 0004 Cancer Research and Treatment Center Program - Cancer chemotherapy evaluation
 P01CA-16127-01 0020 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bladder carcinoma (human)
 P01CA-16127-01 0030 Cancer Research and Treatment Center Program - Pi meson radiotherapy of prostate carcinoma
 P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
 R01CA-16342-01 Immunoprophylaxis and immunotherapy of lung cancer
 ** P01CA-16359-01 0061 Cancer center support grant - Cancer diagnosis-Pulmonary metastases protocol
 R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)
 R26CA-16426-01 Antigenic components of human prostatic adenocarcinoma (mice)
 R26CA-16723-01 Radioiodinated antiserum to carcinoembryonic antigen (human)
 R26CA-16732-01 Glucoprotein antigens in experimental large bowel cancer (rats)
 R01CA-16898-01 Activated lymphocytes for immunotherapy of neoplasms (human)
 ** R01CA-17089-01 Early diagnosis of cancer and of cancer metastases (human)
 R01CA-17117-01 Protective environment in intensive cancer therapy (human)
 ** N01CB-23864-02 The prevention of metastasis in mammary cancer (rats)
 ** N01CB-33903-01 Cell kinetics of breast cancer (human)
 N01CB-43859-00 Biochemistry and diagnostic use of human tumor antigens
 N01CB-43975-00 Early diagnosis of pancreatic cancer, prior to the presence of metastases (human)
 N01CB-43992-00 Clinical application of electron radiography
 N01CP-33200-03 Induction of malignant melanomas in guinea pigs
 N01CP-33301-01 Establish human immunity to Rauscher leukemia virus
 R01ES-00712-02 Antibiotic mucor oncology of mycotic hepatomagenesis (ducks)
 R01EY-00891-03 Treatment of intraocular tumors (human, cattle)
 R01EY-01294-01 Experimental cryotherapy of ophthalmic malignancies (cattle)
 ** P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
 R01GM-19241-03 Developmental genetics of the dog
 R01GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
 P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
 ** P01MH-11668-09 0066 Psychosocial factors in health and disease - Psychosocial factors in long term survival in neoplasia
 P01NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
 R01NS-10551-08 Cancer of the larynx by serial sections (human)
 M01RR-00030-13 0096 General clinical research center - Immunology of sarcomas, melanomas and colon CA (human)
 M01RR-00032-14 0052 General clinical research center - Effect of alpha-methyl-para-tyrosine on metastatic pheochromocytoma
 M01RR-00039-14 0027 General clinical research center - Metabolic effects of methotrexate (human)
 ** M01RR-00039-14 0085 General clinical research center - Plasma clearance and 14C-labeled 5-azacytidine in advanced cancer (human)
 M01RR-00042-14 0009 General clinical research center - Leucine and sulfonyleurea induced hypoglycemia (human)
 ** M01RR-00044-14 0050 General clinical research center - Metabolic changes in cancer (human)
 M01RR-00047-14 0074 General clinical research center - Iodine depletion for tumor uptake of radioiodine in thyroid carcinoma (human)
 M01RR-00050-13 0056 Wilson's disease - Treatment in patients with metastatic carcinoma of colon and rectum (human)
 ** M01RR-00050-13 0072 Wilson's disease - Evaluation of new treatment in patients with metastatic breast cancer
 M01RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
 M01RR-00053-13 0022 Clinical research center - Growth hormone in breast cancer (human)
 M01RR-00055-13 0070 General clinical research center - Evaluation of cancer treatment measurement of cesium 131 uptake
 ** M01RR-00063-12 0086 General clinical research center - Twice weekly azacytidine infusion for metastatic solid tumors (human)
 M01RR-00076-12 0080 General clinical research center - Streptozotocin in treatment of metastatic carcinoma tumor (human)
 M01RR-00080-12 0022 General clinical research center - Metastatic and metabolic bone disease (human)
 M01RR-00080-12 0066 General clinical research center - Adriamycin in metastatic breast cancer (human)
 ** M01RR-00080-12 0067 General clinical research center - Human prolactin studies
 M01RR-00082-12 0002 General clinical research center - Passive transfer of white cells vs osteosarcoma (human, rabbits)
 M01RR-00095-14 0029 General clinical research center - Porto-systemic venous shunts for portal hypertension (human)
 M01RR-00095-14 0067 General clinical research center - Vasoactive substances in carcinoid syndrome (human)
 M01RR-00262-09 0004 General clinical research center - Exploratory laparotomy in staging of malignant lymphoma (human)
 M01RR-00334-08 0005 General clinical research center - Organ infusion (human)
 M01RR-00425-06 0051 General clinical research center - Thoracic surgical clinical research project (human)
 ** M01RR-00425-06 0067 General clinical research center - Chemotherapy of metastatic breast cancer (human)
 ** M01RR-00633-02 0055 General clinical research center - Tumor immunity in metastatic neoplasia (human)
 M01RR-00827-01 0004 General clinical research center - Effect of ACTH and cyclic AMP on adrenal cancer
 M01RR-00865-01 0010 General clinical research center - Circulating thyroglobulin in thyroid carcinoma (human)
 ** S06RR-08067-03 CUPR biomedical research program (Catholic Univ Puerto Rico)
- ### NEOPLASMS ONCOLYSIS
- SEE ALSO NEOPLASTIC THERAPY
 SEE ALSO VIRUSES, ONCOLYTIC
 ** R01AM-16596-01 Hepatic reticulum cells as surgical immune adjuvants (mice)
 P02CA-05837-12 0005 Cancer clinical research - Hematology (human)
 R01CA-12404-04 Oncolysis by tumor antibody-diphtheria toxin conjugates (mice, guinea pig, human)
 ** P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
 ** P02CA-13148-03 0026 Pilot cancer center - Pathology (dogs, mice, hamsters)
 ** P02CA-13696-02 0061 Clinical cancer research center - Interferon-induced, immune-mediated oncolysis (human, mice, cats)
 P01CA-14718-01 Howard University cancer core grant
 P01CA-16359-01 0059 Cancer center support grant - Medical oncology
 N01CM-81021-10 Screening chemical agents against animal tumors (mice)
 ** N01CN-45138-00 Oncology nursing programs in medical centers
 ** N01CN-45153-01 Oncology nursing programs in community hospitals
 R01EY-00616-03 Diagnosis and etiology of intra-ocular tumor (human, rabbits)
- ### NEOPLASMS PHARMACOLOGY
- SEE ALSO ANTIBIOTICS, ANTINEOPLASTIC ANTIBIOTICS (GENERAL)
 SEE ALSO NEOPLASTIC THERAPY, ANTINEOPLASTIC AGENTS
 SEE ALSO NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
 R10CA-07190-12 Eastern cooperative oncology group
 R01CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of antitumor drugs
 R01CA-11050-07 0013 Molecular pharmacology of the cell cycle - Cancer chemotherapy models
 R10CA-11109-06 Eastern cooperative oncology group
 R01CA-12411-04 Post-transcriptional control in eukaryotic cells (rats)
 R01CA-14495-01 Base sites of antitumor antibiotic DNA binding by CD
 R01CA-15733-01 Mitochondrial polyadenylate in neoplasia (rats)
 R01CA-16201-01 Lung cancer model for surgical research (dogs)
 R01CA-16292-01 Glycosyltransferases and contact inhibition (mice)
 P01CA-16359-01 0011 Cancer center support grant - Photosensitization of enzymes concerned with the biosynthesis of DNA
 P01CA-16359-01 0012 Cancer center support grant - Chemical structure and possible antitumor activity of acridines
 P01CA-16359-01 0013 Cancer center support grant - Nonenzyme and enzyme-catalyzed transmethylation
 P01CA-16359-01 0014 Cancer center support grant - Arginyl-tRNA protein transferase

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- P01CA-16359-01 0015 Cancer center support grant - Action of folate antagonists and 812-folate (human)
 P01CA-16359-01 0016 Cancer center support grant - L-Asparaginase
 P01CA-16359-01 0017 Cancer center support grant - Estrogen binding proteins
 P01CA-16359-01 0018 Cancer center support grant - Hepatic mitochondria in hepatic endoplasmic reticulum oxidation
 P01CA-16359-01 0019 Cancer center support grant - Antitumor activity of 5-hydroxy-2-formylpyridine thiosemicarbazone
 P01CA-16359-01 0020 Cancer center support grant - The hepatocarcinogen urethan
 P01CA-16359-01 0059 Cancer center support grant - Medical oncology
 R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
 ** N01CM-43784-00 Biochemistry and molecular biology of antitumor drugs (tissue culture, mammals)
 ** N01CM-43786-00 Characterization of antitumor drugs; effects on polynucleotide metabolism
 ** N01CM-43788-00 Antitumor drugs-Drug uptake and membrane transport processes
 N01CM-43801-00 Phase I studies of new anticancer agents (human)
 ** N01CM-43802-00 Phase I studies of new anticancer agents (human)
 ** N01CM-43804-00 Phase I studies of new anticancer agents (human)
 R01HD-08924-01 Role of brain monoamines in gonadotropin release (rats)

NEOPLASMS RADIODIAGNOSIS

- ** P02CA-06518-11 0004 Radiation and radiobiology research center - Patient localization verification
 P02CA-06518-11 0032 Radiation and radiobiology research center - Invasive carcinoma of the cervix (human)
 P02CA-06518-11 0038 Radiation and radiobiology research center - DNCB study
 ** P01CA-07368-11 0001 Interrelationships of normal and cancer cells - Differential brain tumor diagnosis (human, rats)
 P01CA-10896-03 Exploratory studies in cancer research (human, laboratory animals)
 ** P02CA-13148-03 0055 Pilot cancer center - Radiation biology
 R01CA-14955-02 Follow-up study of thorotrast patients
 ** R01CA-15413-01 Radiologic oncology teaching materials development
 R26CA-15455-01 Evaluation of extended radiotherapy for prostate neoplasm (human)
 ** R01CA-15882-01 Transverse section x-ray camera (human)
 ** P01CA-16359-01 0060 Cancer center support grant - Diagnostic radiology-Lung carcinoma protocol (human, dogs)
 R18CA-16400-01 0001 Cancer control development grant - Screening (human)
 ** N01CB-43918-00 Proton beam in tissue densitometry (human)
 N01CB-43976-00 Early detection of pancreatic cancer (human)
 ** N01CB-43980-00 Tomography in diagnosis of brain tumors
 ** N01CB-43981-00 Tomography in diagnosis of brain tumors
 ** N01CN-45057-00 Cancer control radiologic physics centers
 ** N01CN-45148-00 Cancer control radiologic physics centers
 ** N01CN-45152-00 Cancer control physics center
 ** N01CN-45158-00 Cancer control radiologic physics centers
 ** N01CN-45162-00 Coordinating committee for cancer control radiologic physics center
 ** P01GM-18674-03 0011 Diagnostic radiology research and training center - Responsiveness of normal and neoplastic vessels in liver (rabbits)

NEOPLASMS RADIOISOTOPE DIAGNOSIS

- R01AM-17484-01 An evaluation of XRF scanning in thyroid disease (human)
 ** P02CA-05838-13 0014 Clinical radiotherapy cancer research center - Radiogallium
 P02CA-06516-12 0005 Cancer center support grant- Comprehensive - Evaluation of diagnostic techniques (human)
 ** P01CA-07368-11 0017 Interrelationships of normal and cancer cells - Radioisotopic brain scanning (human)
 R01CA-11189-05 Cell kinetics of human tumors (human, rats)
 P02CA-13148-03 0054 Pilot cancer center - In vitro localization of gallium 67 (mice)
 R10CA-13612-01 Southwest Cancer Chemotherapy Study Group
 ** P01CA-14043-01 0004 Radiation therapy clinical and research center - Radio-pharmaceuticals for tumor and organ visualization
 ** P01CA-14599-01 0028 University of Chicago Cancer Research Center - Use of cesium-131 in choice of therapy for metastatic cancer (human)
 R01CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)
 R26CA-15429-01 Detection of early colon cancer (human)
 ** R26CA-15501-01 Potential prostate cancer screening agent-194-DHT (rats, dogs, human)

- N01CB-43910-00 Computerized transaxial tomography in diagnosing brain tumors (human)
 N01CB-43976-00 Early detection of pancreatic cancer (human)
 N01CB-43983-00 Computerized transaxial tomography in the diagnosis of brain tumors (human)
 ** N01CN-45057-00 Cancer control radiologic physics centers
 ** N01CN-45162-00 Coordinating committee for cancer control radiologic physics center
 ** R01GM-16188-05 Detection and measurement of radionuclide (phantom models)
 R01GM-16248-16 Quantitative section scanning in brain tumor and stroke
 P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)

NEOPLASMS RECURRENCE

- P02CA-05826-13 0078 Clinical cancer research center - Chemotherapy of primary and metastatic tumors (human)
 P02CA-05826-13 0080 Clinical cancer research center - Endometrial and breast cancer (human)
 P02CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
 P02CA-05834-13 0037 Cancer clinical research center - Immunotherapy studies-Leukemia (human)
 P02CA-05838-13 0004 Clinical radiotherapy cancer research center - Advanced pelvic neoplasms
 P02CA-05838-13 0009 Clinical radiotherapy cancer research center - Preoperative radiotherapy in bladder cancer
 P02CA-06294-13 0003 Radiotherapy research - Carcinoma of the breast (human)
 P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
 ** P02CA-06518-11 0021 Radiation and radiobiology research center - Psychological factors affecting recovery from malignant tumors
 P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
 ** P02CA-07177-11 0010 Clinical cancer research center - Metabolism of estrone sulfate in treatment of recurrent breast cancer (human)
 P02CA-07177-11 0015 Clinical cancer research center - The role of tumor specific antigens in malignancy of breast cancer (human)
 R10CA-08025-10 Acute leukemia group B
 P02CA-10895-06 0003 Adult leukemia research center - High dose cyclophosphamide therapy (human)
 R10CA-11789-05 Acute leukemia cooperative group B
 P02CA-12178-04 0001 Radiotherapy-oncology center - Split course therapy of advanced head and neck tumors
 P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
 P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
 R10CA-12476-04 Gynecologic oncology group
 R10CA-12477-04 Gynecologic oncology group
 R10CA-12482-04 Gynecologic oncology group
 R10CA-12483-04 Gynecologic oncology group
 R10CA-12484-04 Gynecologic oncology group (human)
 R10CA-12485-04 Gynecologic oncology group (human)
 R10CA-12534-04 Gynecologic oncology group
 P01CA-12582-04 0008 Multidisciplinary cancer diagnosis and therapy - Passive immunotherapy with antitumor sera
 R01CA-12869-04 Kansas breast study (human)
 P02CA-13053-03 0056 Clinical cancer radiation therapy research center - Chemotherapy and radiation therapy in primary Hodgkin's disease (human)
 P02CA-13053-03 0074 Clinical cancer radiation therapy research center - Human granulopoietic progenitor cells (tissue culture)
 R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
 R01CA-13435-02 Effects of therapeutic radiation on lymphocyte response (human)
 R10CA-13446-01 Gynecologic Oncology Group
 R10CA-13630-03 Gynecologic oncology group
 R10CA-13631-02 Gynecologic oncology group
 R10CA-13632-03 Gynecologic oncology group
 R10CA-13633-03 Gynecologic oncology group
 R10CA-13641-03 Gynecologic oncology group
 P02CA-13696-02 0013 Clinical cancer research center - Lymphocyte reaction in cancer (human)
 P02CA-13696-02 0016 Clinical cancer research center - Colorectal cancer-Adjuvant chemotherapy (human)
 R10CA-13887-02 Gynecologic oncology group
 R01CA-14775-02 Tumor immunity related to clinical course and therapy (human)
 R26CA-15437-01 Carcino-fetal antigens in prostatic cancers (human)
 R26CA-15491-01 National Bladder Cancer Collaborative Group A
 R26CA-15934-01 National Bladder Cancer Collaborative Group A
 R26CA-15937-01 National Bladder Cancer Collaborative Group A
 R10CA-15975-01 Gynecologic oncology group
 R10CA-15977-01 Gynecologic Oncology Group
 P01CA-16127-01 0028 Cancer Research and Treatment Center Program - Pi meson radiotherapy of osteogenic sarcoma of the extremity

- R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
 P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
 R26CA-16886-01 National bladder cancer collaborative group A (human)
 N01CB-43852-00 Human melanoma-evaluation of BCG immunotherapy
 N01CB-43900-00 Steroid sulfation and estrogen binding in human breast cancer
 ** P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
 M01RR-00865-01 0024 General clinical research center - Intra-arterial chemotherapy infusion for carcinoma of cervix (human)

NEOPLASMS REGRESSION

- SEE ALSO NEOPLASTIC THERAPY
 R01AI-06544-10 Genetics and regulation of antibody formation (mice)
 ** P01AI-07007-09 0014 Immunopathologic studies - Immunologic injury in tumor cells (mice)
 R01CA-05197-15 Endocrine factors influencing tumor growth in man
 R01CA-05310-14 Mechanism of action of beta-3TA (mice)
 P02CA-05834-13 0035 Cancer clinical research center - Subcellular morphological diagnosis of acute leukemia
 ** P02CA-06973-12 0001 Integrated clinical cancer research program - Therapy of acute leukemia of the adult (human, mice)
 P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
 ** P02CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
 P02CA-06973-12 0024 Integrated clinical cancer research program - Malignant lymphomas (human)
 R01CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)
 ** R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
 ** R01CA-08518-07 0005 Lysosomal enzymes in x-irradiated tumor cells - Mechanism of action of Trypan Blue
 ** R01CA-10064-12 Hormonally sensitive tumors (mice, rats)
 ** R01CA-10419-06 Different responses of cells to glucocorticoids (rats, mice, human)
 ** R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
 R01CA-11605-06 Immunological reactivity in special circumstances (mice)
 R01CA-12102-04 Surgical management of the regional lymph node in cancer (mice, hamsters)
 ** R01CA-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
 R01CA-12903-03 Human uterus receptors and responses to steroids
 R01CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
 P02CA-13053-03 0053 Clinical cancer radiation therapy research center - Adjuvant chemotherapy in primary rhabdomyosarcoma (human)
 P02CA-13053-03 0074 Clinical cancer radiation therapy research center - Human granulopoietic progenitor cells (tissue culture)
 P02CA-13053-03 0082 Clinical cancer radiation therapy research center - Hodgkin's disease-Chemotherapy with MOPP plus bleomycin (children)
 P01CA-13343-02 0004 Environmental cancer - Cytogenetics of carcinogenesis, mutagenesis and tumor reversion (mice)
 ** R01CA-13759-02 Growth of Merris hepatomas in vitamin-B6 deficiency (rats)
 R01CA-13806-02 Immunocompetence in radiation therapy patients
 R01CA-13940-02 Immunogenetic study of a herpesvirus induced lymphoma (chickens, turkeys)
 R01CA-14003-02 Lipid control of growth of normal and tumorigenic cells (mice, human)
 R01CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
 R01CA-14165-02 Optimization of radiation therapy (mice)
 ** R01CA-14730-01 Virus induced leukemic stem cells in mice
 ** R01CA-14987-01 Mechanism of cortisol-induced lymphoma regression
 R01CA-15306-01 Mechanisms of immunosuppression of murine myeloma
 R01CA-15372-01 Immunotherapy of cancer with lymphoid extracts (human, mice, guinea pigs)
 R01CA-16063-01 Etiology of canine transmissible sarcoma
 R01CA-16071-01 Double HL-A antigens in sera of cancer patients
 R18CA-16405-01 0004 Development of regional cancer control program - Regional affiliation for cooperative studies of hematological malignancy (human)
 ** N01CB-23862-03 Biochemical mechanism of endocrine induced cancer regression (human, rats)
 N01CB-23873-02 Breast cancer (rats)
 N01CB-43874-00 Circulating tumor antigens in immunotherapy (rats)
 N01CB-43914-00 Predictable transplantable mammary tumor model (animals)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (hamsters)
- ** R01ES-00712-02 Antibiotic mucor oncology of mycotic hepatomagenesis (ducks)
- R01ES-00826-02 Function of lead in tumorigenesis (mice, rats)
- P01HD-05894-04 0009 Genetic childhood diseases and aging - Significance of alpha-1 glycoprotein in cerebral tumors of infancy
- ** M01RR-00051-13 0075 General clinical research center - Excretion of methylated purine as indices of neoplasm (human)
- M01RR-00322-08 0031 General clinical research center - Cancer immunotherapy with L-phenylalanine mustard as a hapten (human)
- NEOPLASMS RELATED INTEREST, GRANULOMA**
SEE ALSO BLOOD AND RE DISORDERS, HISTIOCYTOSIS X
SEE ALSO BLOOD AND RE NEOPLASMS, HODGKIN'S DISEASE
SEE ALSO CONNECTIVE TISSUE DISORDERS, WEGENER'S GRANULOMATOSIS
SEE ALSO METABOLIC DISORDERS (INBORN), CHRONIC GRANULOMATOUS DISEASE (OF CHILDREN)
SEE ALSO RESPIRATORY DISORDERS, PULMONARY FIBROSIS AND GRANULOMAS
- ** R01AI-06706-07 0001 Cellular immunity in viral diseases - Immunocompetency in granulomatous and neoplastic diseases (human)
- R22AI-08163-07 Immunopathogenesis of schistosomiasis (rodents)
- R22AI-10034-04 Immunopathologic model for granulomatous diseases (human, mice, rats)
- ** R01AI-10898-03 Formation of granulomata by a parasite (mice)
- P01AM-01431-18 0006 Rheumatic diseases - Clinical pharmacology
- R01AM-06206-12 Regulation of chronic inflammation (human, rodents, rabbits)
- ** R01AM-07939-12 Granulomatous hypersensitivity (human, guinea pigs)
- R01AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- R01AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- R01AM-16063-01 Collagen synthesis in connective tissue disease (tissue culture, rats)
- R01AM-16216-03 Anti-inflammatory steroids and collagen synthesis (rats)
- P02CA-12197-03 0023 Multidisciplinary oncology research center - Studies in cellular immunity (human, mammals nonhuman)
- R01CA-14955-02 Follow-up study of thorotrast patients
- R01CA-16342-01 Immunoprophylaxis and immunotherapy of lung cancer
- P13DE-02600-08 0015 Planning of a research center in oral biology - Control of collagen synthesis and degradation
- N01HD-32717-01 Immunopathologic consequences of vasectomy (human, guinea pigs, rats)
- P17HL-14169-04 0008 Pulmonary disease center - Pulmonary pathology (human)
- P01HL-16769-01 0003 Pathobiologic and host defense reactions in the lung - Pathobiologic mechanisms of delayed sensitivity reactions in the lung (animals)
- P01HL-16769-01 0005 Pathobiologic and host defense reactions in the lung - Kveim reactive material and clinical features of the sarcoid syndrome (human)
- ** P01HL-16769-01 0006 Pathobiologic and host defense reactions in the lung - Mononuclear and/or epithelioid cells from patients with sarcoidosis
- ** M01RR-00134-10 0052 General clinical research center - Granulomatous liver disease in rheumatoid arthritis (human)
- ** M01RR-00722-02 0011 General Clinical Research Center - Corticosteroid and immunosuppressive therapy in hepatic sarcoidosis (human)
- NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS**
SEE ALSO GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
SEE ALSO GROWTH ABNORMAL, METAPLASIA
SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS PRENEOPLASTIC STATES
SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE PRENEOPLASTIC STATES
- R01CA-02758-19 Steroid metabolism in tumors and normal tissues (mice)
- ** P01CA-05388-15 0002 Biology of mammary neoplasia - Non-viral mammary cancer (mice)
- ** R01CA-05945-11 Macromolecules in liver carcinogenesis (rats, mice)
- P02CA-08341-09 0048 Clinical pharmacology and cancer chemotherapy - Classification of ectopic hormone producing tumors
- ** R01CA-10712-07 Foreign body tumorigenesis (mice)
- P01CA-10893-06 0006 Cancer Research Center - Preneoplastic mammary lesions (mice)
- R01CA-10978-06 Enzyme control mechanisms in chemical carcinogenesis (mice, rats)
- ** R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- P02CA-11911-04 0003 Clinical cancer center - Evaluation of plasma cell proliferative disorders
- R01CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
- R01CA-12513-04 Regulatory role of estrogen in hamster tumors
- ** R01CA-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
- R01CA-12763-03 Mutation repair and environmental carcinogens
- ** R01CA-12779-02 Leukocyte regulatory mechanisms (human, mice, rats)
- R01CA-12934-03 Tumorigenic potential in chromosome aberrations (human)
- P02CA-13148-03 0005 Pilot cancer center - Colonoscopy clinic
- P02CA-13148-03 0072 Pilot cancer center - Early indicators of endometrial cancer (human)
- R01CA-13271-06 Automated cancer cell diagnosis by the ticas method
- P01CA-13343-02 0013 Environmental cancer - Experimental liver neoplasms (rats)
- R01CA-13678-02 Blood group substances and gastrointestinal neoplasia (human)
- P02CA-13696-02 0058 Clinical cancer research center - Neoplasia-Related project in progress (human)
- ** P02CA-13943-02 0019 Clinical pharmacology immunology cancer research center - Biology of preneoplastic livers and liver tumors (mice)
- ** R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
- P01CA-14599-01 0030 University of Chicago Cancer Research Center - Cancer vulnerability in ulcerative and granulomatous colitis (human)
- ** P01CA-14599-01 0032 University of Chicago Cancer Research Center - Immunological studies in ulcerative colitis (human)
- ** P01CA-14599-01 0037 University of Chicago Cancer Research Center - Neoplasia in childhood-Cell susceptibility to transformation
- ** R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- R01CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- R01CA-14914-01 Lipids in cancerogenesis (rats)
- R01CA-15103-01 The platelet line in myeloproliferative malignancies (human)
- R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
- R01CA-15332-01 Cancer of the endocrine pancreas (human)
- R26CA-15405-01 Transmissible murine colonic hyperplasia
- R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
- R01CA-15619-01 Normal and malignant hematopoietic cell replication (human, rabbits)
- R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
- ** R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
- R01CA-15664-01 Cholesterol metabolism in hepatic neoplasms
- R01CA-15917-01 Nitrogen metabolism and plant neoplastic state
- R26CA-15973-01 Genetic studies of heritable colorectal cancer (human)
- R10CA-16020-02 Mycosis fungoides cooperative study
- R01CA-16065-01 Chemical carcinogenesis in the colon (mice)
- ** R01CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- N01CB-33880-01 Isoenzymes in normal, preneoplastic and neoplastic breast tissues
- ** N01CB-33921-01 Chronic mastopathy and breast cancer
- N01CB-43891-00 Animal models for circulating tumor associated antigens (Holtzman rats)
- N01CB-43907-00 Stroma in growth of neoplastic lesions of mammary gland (mice)
- ** N01CB-43908-00 Preneoplastic lesions of the human mammary gland
- ** N01CB-43930-00 Mechanisms by which tumors avoid immune destruction (mice C57 B1/6)
- N01CB-44003-00 Biochemical and physiological investigations based on familial genetic patterns
- N01CP-12324-04 Premalignant lesions in the large intestine
- N01CP-23206-02 Histogenesis of renal carcinoma (human, mammals)
- ** N01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)
- ** N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
- ** N01CP-43281-00 Premalignant lesions in the large intestine
- ** N01CP-43290-00 Mucosal-associated microorganisms and their relationship to cancer (human)
- ** P01DE-01770-12 0005 Oral pathology - Tissue culture of oral tumors (human)
- ** P13DE-02731-08 0004 Development support for dental research institute - Dental pharmacology (human, rats, mice)
- R23DE-03655-02 Keratinization of normal and altered epithelium
- ** P10ES-00260-12 0008 Research in the environmental health sciences - Tumorigenic response to ionizing radiation and chemical carcinogens (rats, mice)
- ** P01GM-15253-08 0046 Genetics in medicine-Gene action in man - SV40 transformation of fibroblasts from subjects at risk to develop malignancy
- P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- P01GM-19513-03 0019 Human genetics - Nature of germinal and somatic mutations in cancer
- R01HD-04164-05 Aging of mammary epithelium (mice)
- P01HD-06323-03 0006 Cellular senescence and control of cell proliferation - Transformation studies (human SV40)
- ** P01HL-16769-01 0005 Pathobiologic and host defense reactions in the lung - Kveim reactive material and clinical features of the sarcoid syndrome (human)
- ** M01RR-00722-02 0020 General Clinical Research Center - Hereditary polyposis of the bowel (human)
- NEOPLASMS RELATED INTEREST, SARCOIDOSIS**
SEE ALSO VIRUSES, HERPESVIRUSES, EB VIRUS
- R01AI-01254-18 Cellular immune response-Nature of transfer factor (human, mice)
- R01AI-06706-07 0001 Cellular immunity in viral diseases - Immunocompetency in granulomatous and neoplastic diseases (human)
- R01AI-08731-04 Pharyngeal excretion of EB virus (human)
- R01AI-10023-04 Effect of poly I:C on delayed hypersensitivity (human, guinea pigs)
- P01AM-10824-08 0016 Cellular immunity - Immunoassay for circulating immunoregulatory alpha globulin (human, rabbits)
- R01AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- R01AM-14750-03 Vitamin D metabolism in humans (also chickens, rats, dogs)
- R01AM-16768-03 Radioimmunoassay of parathyroid hormone in man
- P02CA-12197-03 0017 Multidisciplinary oncology research center - Response in chronic lymphocytic leukemia to phytohemagglutinin (human)
- P01HD-00668-16 0009 Aging and the aged - Immunologic studies of older humans
- R01HL-13853-15 Fractionation of Nickerson-Kveim tissue suspensions (human, mice)
- P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
- P17HL-14179-04 0017 Center for the study of lung disease - Serum enzyme profiles in lung disease (human, dogs)
- ** R01HL-16651-01 Evaluation of steroid therapy in sarcoidosis
- P01HL-16748-01 0001 Cellular and immunologic bases of pulmonary diseases - Mechanisms of alveolar macrophage function and dysfunction (human, rabbits)
- P01HL-16748-01 0003 Cellular and immunologic bases of pulmonary diseases - Alveolar macrophages and opportunistic microorganisms (human, guinea pigs)
- ** P01HL-16748-01 0006 Cellular and immunologic bases of pulmonary diseases - Sarcoidosis-Studies with bronchial lavage (human)
- M P01HL-16769-01 Pathobiologic and host defense reactions in the lung
- ** P01HL-16769-01 0006 Pathobiologic and host defense reactions in the lung - Mononuclear and/or epithelioid cells from patients with sarcoidosis
- ** P01HL-16769-01 0007 Pathobiologic and host defense reactions in the lung - Immunogenetic factors in sarcoidosis (human)
- ** M01HR-42955-00 In vitro test for sarcoidosis (human)
- ** N01HR-42956-00 In vitro test for sarcoidosis (human)
- ** M01HR-42957-00 In vitro test for sarcoidosis
- ** M01HR-42958-00 In vitro tests for sarcoidosis (human)
- ** M01HR-42959-00 In vitro test for sarcoidosis (human)
- ** M01RR-00046-14 0051 General clinical research center - Diagnosis of sarcoidosis, effects of corticosteroids on lung sarcoidosis (human)
- ** M01RR-00082-12 0105 General clinical research center - Cell mediated and humoral immunity in sarcoidosis (human)
- ** M01RR-00722-02 0011 General Clinical Research Center - Corticosteroid and immunosuppressive therapy in hepatic sarcoidosis (human)
- ** M01RR-00722-02 0024 General Clinical Research Center - Corticosteroids and immunosuppressive agents in pulmonary sarcoidosis (human)
- NEOPLASMS RELATED INTEREST, SARCOIDOSIS, KVEIM FACTOR**
- ** R01HL-13853-15 Fractionation of Nickerson-Kveim tissue suspensions (human, mice)
- M P01HL-16769-01 Pathobiologic and host defense reactions in the lung

(contd)

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**Oriented significantly to above subject.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- **** P01M-16769-01 0005 Pathobiologic and host defense reactions in the lung - Kvoin reactive material and clinical features of the sarcoid syndrome (human)
 P01M-16769-01 0006 Pathobiologic and host defense reactions in the lung - Monocuclear and/or epithelial cells from patients with sarcoidosis
****** N01HR-42955-00 In vitro test for sarcoidosis (human)
****** N01HR-42957-00 In vitro test for sarcoidosis
****** N01HR-42958-00 In vitro tests for sarcoidosis (human)
****** N01HR-42959-00 In vitro test for sarcoidosis (human)
- NEOPLASMS SURGERY**
 N01AM-32212-02 Hyperlipidemia and atherogenesis (rats)
 R10CA-02599-20 Acute leukemia group B (human)
 R10CA-02649-18 Childrens cancer study group A
****** R10CA-02822-19 Eastern cooperative oncology group (human)
 R10CA-03364-17 Cooperative breast cancer group
 R10CA-03526-17 Childrens cancer study group A
 R10CA-05186-14 Western cancer study group
****** R10CA-05436-14 Childrens cancer study group A
 R10CA-05654-14 Evaluation of supervoltage therapy (human)
 P02CA-05826-13 0070 Clinical cancer research center - Monitoring intracranial pressure (human)
****** P02CA-05826-13 0077 Clinical cancer research center - Surgery versus radiation therapy for single metastases (human)
 P02CA-05826-13 0083 Clinical cancer research center - Clinical hepatic transplantation for cancer
 P02CA-05826-13 0087 Clinical cancer research center - Pediatric oncology-neuroblastoma
 P02CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
 P02CA-05826-13 0089 Clinical cancer research center - Pediatric oncology-Ewing's sarcoma
 P02CA-05826-13 0090 Clinical cancer research center - Pediatric oncology-osteogenic sarcoma
 P02CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)
 P02CA-05834-13 0049 Cancer clinical research center - Osteosarcoma (human)
 P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
****** P02CA-05838-13 0010 Clinical radiotherapy cancer research center - Hypopharynx protocol
 P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
 P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
 P02CA-06294-13 0003 Radiotherapy research - Carcinoma of the breast (human)
 P02CA-06294-13 0006 Radiotherapy research - Genito-urinary tract (human)
****** P02CA-06294-13 0011 Radiotherapy research - Bronchogenic carcinoma (human)
 P02CA-06519-12 0043 Radiation therapy and biology research program - Preoperative radiation in carcinoma of the rectum (human)
 P02CA-06519-12 0053 Radiation therapy and biology research program - Studies on the spread of Hodgkins disease
 P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
 R10CA-07190-12 Eastern cooperative oncology group
 R10CA-07431-11 Childrens cancer group A
 R10CA-07439-11 Childrens cancer study group A
 R10CA-08223-08 Southwest cancer chemotherapy study group
 P01CA-08748-09 6808 Research program of Sloan-Kettering Institute - Mixed bacterial toxins as immunopotentiators in cancer therapy (dogs, cats)
 P02CA-08832-08 0099 An integrated study of advanced malignant diseases - Circadian chronotherapeutic index
 P02CA-08832-08 0101 An integrated study of advanced malignant diseases - Radiation for adenocarcinoma of the rectum (human)
 P02CA-08832-08 0133 An integrated study of advanced malignant diseases - Surgery, chemotherapy and pulmonary radiation in osteosarcoma (human)
 P02CA-08832-08 0137 An integrated study of advanced malignant diseases - Antiplasma cell serum (mice)
 P02CA-08832-08 0138 An integrated study of advanced malignant diseases - Model systems of immunotherapy in the mouse
 P02CA-08832-08 0139 An integrated study of advanced malignant diseases - Preparation of cell free antigen extracts
 P02CA-08832-08 0140 An integrated study of advanced malignant diseases - Immune capacity of patients in general cancer therapy
 P02CA-08832-08 0141 An integrated study of advanced malignant diseases - Immune capacity of patients to their own tumors
 P02CA-08832-08 0142 An integrated study of advanced malignant diseases - Antibody response to tumors by cytotoxicity of antibody and complement (human)
 P02CA-08832-08 0143 An integrated study of advanced malignant diseases - Model systems for in vitro immunization for immunotherapy
- P02CA-08832-08 0144 An integrated study of advanced malignant diseases - Clinical immunotherapy of solid tumors
 P02CA-08832-08 0145 An integrated study of advanced malignant diseases - Phase II evaluation of BCNU-MSC-409562 in patients
 P02CA-08832-08 0146 An integrated study of advanced malignant diseases - Diagnostic and surgical aspects of leiuceloma
 P02CA-08832-08 0148 An integrated study of advanced malignant diseases - 5-Fu as adjuvant therapy to surgery
 P02CA-08832-08 0149 An integrated study of advanced malignant diseases - Evaluation of azaserine in the treatment of advanced solid tumors
 P02CA-08832-08 0150 An integrated study of advanced malignant diseases - Four and five drug combination therapy in metastatic breast cancer (human)
 P02CA-08832-08 0151 An integrated study of advanced malignant diseases - CCNU for advanced solid tumors (human)
 P02CA-08832-08 0152 An integrated study of advanced malignant diseases - Adriamycin for a variety of solid tumors (human)
 P02CA-08832-08 0153 An integrated study of advanced malignant diseases - 5-Fu for advanced breast and colorectal cancer (human)
 P02CA-08832-08 0154 An integrated study of advanced malignant diseases - Hexamethylmelamine, dibromodulcitol, and cyclophosphamide for lung cancer
 P02CA-08832-08 0155 An integrated study of advanced malignant diseases - Imidazole carboxamide as adjuvant to surgery for melanoma (human)
 P02CA-08832-08 0156 An integrated study of advanced malignant diseases - Combination chemotherapy for pancreatic carcinoma
 P02CA-08832-08 0157 An integrated study of advanced malignant diseases - Imidazole carboxamide for melanoma (human)
 R10CA-10378-08 Gynecologic oncology group statistical service
****** R01CA-10661-07 Surgical treatment of colo-rectal cancer, new technique (human)
 R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
 R10CA-11028-07 Acute leukemia group B
 P02CA-11051-06 0022 Clinical radiation research center - Radiation response and uterine cancer (human)
 R10CA-11233-06 Southwestern cooperative chemotherapy study group
 P02CA-11265-05 0015 General clinical cancer research center - Protocol for malignant glioma of brain
 R10CA-11722-06 National Wilms tumor study (children)
 R10CA-12027-04 Headquarters-Surgical adjuvant breast group
 R10CA-12028-04 National surgical adjuvant breast project
 R10CA-12029-04 National surgical adjuvant breast project
 R10CA-12033-04 National surgical adjuvant breast project
****** R10CA-12037-04 Primary breast cancer therapy group (NSABP)
****** R10CA-12039-04 National surgical adjuvant breast project
 R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
 P02CA-12178-04 0006 Radiotherapy-oncology center - Bronchogenic carcinoma
 P02CA-12178-04 0007 Radiotherapy-oncology center - Lymphoma and Hodgkins disease
 P02CA-12178-04 0015 Radiotherapy-oncology center - Post-mastectomy cobalt 60 radiation dosimetry
 P02CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)
****** P02CA-12247-03 0009 Pediatric oncology center - Neuroblastoma (human)
****** P02CA-12247-03 0010 Pediatric oncology center - Hepatic cancer of childhood
 R10CA-12250-03 Radiation therapy oncology group
 R10CA-12261-03 Radiation therapy oncology group
 R10CA-12271-04 Central oncology group
****** R10CA-12272-04 Central oncology group
****** R10CA-12273-04 Central oncology group
****** R10CA-12274-04 Central oncology group
****** R10CA-12275-04 Central oncology group
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****** R10CA-12277-04 Central oncology group
****** R10CA-12279-04 Central oncology group
****** R10CA-12280-04 Central oncology group
****** R10CA-12282-04 Central Oncology Group
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****** R10CA-12294-04 Central oncology group
****** R10CA-12295-04 Central oncology group
 R10CA-12476-04 Gynecologic oncology group
 R10CA-12477-04 Gynecologic oncology group
 R10CA-12482-04 Gynecologic oncology group
 R10CA-12483-04 Gynecologic oncology group
- R10CA-12484-04 Gynecologic oncology group (human)
 R10CA-12485-04 Gynecologic oncology group (human)
 R10CA-12534-04 Gynecologic oncology group
 R10CA-12535-04 Gynecologic oncology group
M P01CA-12582-04 Multidisciplinary cancer diagnosis and therapy
 P01CA-12582-04 0005 Multidisciplinary cancer diagnosis and therapy - Immunotherapy experiments in animal (tumor host systems)
****** P01CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
****** R10CA-12637-03 Childrens cancer study group A
 R01CA-12869-04 Kansas breast study (human)
 R01CA-13028-03 Identification of breast cancer isoenzymes (human)
 P01CA-13038-03 0041 Experimental therapeutics and cancer drug program - Evaluation of model systems for tumor metastasis treatment
 P02CA-13053-03 0007 Clinical cancer radiation therapy research center - Wilms tumor protocol (human)
 P02CA-13053-03 0008 Clinical cancer radiation therapy research center - Radiation therapy in early cervix carcinoma (human)
 P02CA-13053-03 0057 Clinical cancer radiation therapy research center - Combination chemotherapy in children with primary osteosarcoma
 P02CA-13053-03 0067 Clinical cancer radiation therapy research center - Immunological reactivity of patients with gynecological malignancy
 P02CA-13053-03 0068 Clinical cancer radiation therapy research center - Randomized study-Preoperative radiation for head and neck tumors (human)
 P02CA-13053-03 0070 Clinical cancer radiation therapy research center - Participation in national surgical adjuvant breast group study
****** P02CA-13053-03 0077 Clinical cancer radiation therapy research center - Chemotherapy following surgery and radiotherapy in brain tumors (children)
 R10CA-13237-03 Southeastern cancer study group
 R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
 R10CA-13314-02 Eastern Cooperative Oncology Group
M P01CA-13330-03 Cancer research program
 P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
 P01CA-13330-03 0050 Cancer research program - Role of lymphocytes in tumor immunity (human, mice)
****** R10CA-13446-01 Gynecologic Oncology Group
****** R10CA-13539-02 Childrens cancer study group A
****** R10CA-13650-02 Eastern Cooperative Oncology Group
 R10CA-13651-02 Malignant melanoma group
 R10CA-13662-02 Malignant melanoma group
 R10CA-13669-02 Malignant melanoma group
 R10CA-13671-02 Malignant melanoma group
 P01CA-13704-02 Exploratory studies for cancer research (human)
 R26CA-13859-03 Administration of the National Bladder Cancer Project
 R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
 P01CA-14089-01 0011 Pilot multidisciplinary cancer research program - Tumor antigens and antibodies in G I and bronchogenic cancer (human)
 P01CA-14089-01 0050 Pilot multidisciplinary cancer research program - Clinical investigation of selected tumor systems
 R26CA-14140-02 Administration of the National Colorectal Cancer Project
 R01CA-14460-01 Immunotherapy combined with surgery and chemotherapy
 P02CA-14520-02 0012 Wisconsin Clinical Cancer Center - Clinical investigation of therapy for solid tumors
****** R10CA-14557-01 Childrens cancer study group A
****** P02CA-14626-01 Vincent T Lombardi cancer research center
****** R10CA-14678-02 Central Oncology Group
 R01CA-14775-02 Tumor immunity related to clinical course and therapy (human)
 R26CA-14924-02 Immunity to colonic carcinomas in rats and man
 R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer
****** R10CA-14963-01 Central oncology group
****** R01CA-14972-01 Surgical removal of primary tumors, immunity and metastases (mice)
 R01CA-14974-01 Prognostic factors in lung cancer
 R01CA-14964-01 Immunological aspects of cancer prognosis
 P02CA-15083-01 0008 Cancer Center Support Grant-Mayo Foundation - Management of breast cancer (human)
 P02CA-15145-01 0014 Cancer center support grant - Ovarian cancer-Gynecologic oncology group
 P02CA-15145-01 0043 Cancer center support grant - Adjuvant cancer chemotherapy trials in treatment of colon and lung cancer (human)
 P02CA-15145-01 0044 Cancer center support grant - Reconstitution and rerouting of cerebral circulation (dogs)
 P02CA-15145-01 0055 Cancer center support grant - Clinical cancer training program
****** P01CA-15192-01 Cancer Center Support Grant Specialized (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-15202-01 Immunological studies in patients with breast cancer
- ** R10CA-15241-02 Central oncology group
R26CA-15263-01 Immune status of gastrointestinal tumor - Colon (human)
- R26CA-15421-02 Chemotherapy for advanced prostatic cancer (human)
- R26CA-15492-01 Evaluation and management of bladder carcinoma
- ** R10CA-15525-01 Southwest Cancer Chemotherapy Study Group
- R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
- R10CA-15584-01 Southeastern Cancer Study Group
- R01CA-15587-01 Immune surveillance? - Studies on a human cancer model
- R01CA-15629-01 Pathogenesis of anemia in malignancy (human, rodents)
- P02CA-15688-01 0016 Program in medical oncology - Intensive combination therapy, ovarian carcinoma
- R01CA-15811-01 Host resistant to cancer (human, mice)
- R01CA-15833-01 Radiofrequency heat for cancer therapy (cats, dogs, mice)
- R26CA-15934-01 National Bladder Cancer Collaborative Group A
- P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
- R26CA-15944-01 Evaluation of bladder cancer patients management
- R10CA-15975-01 Gynecologic oncology group
- R10CA-15977-01 Gynecologic Oncology Group
- R10CA-16020-02 Mycosis fungoides cooperative study
- P01CA-16127-01 0003 Cancer Research and Treatment Center Program - Cancer radiotherapy evaluation
- P01CA-16127-01 0024 Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
- R01CA-16201-01 Lung cancer model for surgical research (dogs)
- P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- R01CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- P01CA-16359-01 0059 Cancer center support grant - Medical oncology
- ** R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)
- R26CA-16886-01 National bladder cancer collaborative group A (human)
- M01CB-23230-02 Provide patient input for primary breast cancer study
- ** M01CB-23231-02 Provide patient input for primary breast cancer study
- M01CB-23232-02 Patient input for primary breast cancer study
- M01CB-23876-02 Primary breast cancer therapy group (NSABP)
- M01CB-33886-01 Cell kinetics of breast cancer (human)
- M01CB-43991-00 Animal models for circulating tumor associated antigens (Holtzman rats)
- M01CB-43917-00 Therapy of carcinoma of the breast (human)
- M01CB-43990-00 Therapy of carcinoma of breast (human)
- M01CM-02028-07 Experimental chemotherapy of brain tumors (human)
- ** M01CM-33738-02 Therapy of bronchogenic carcinoma (human)
- M01CM-43782-00 Therapy of patients with gastric carcinoma
- M01CM-43783-00 Therapy of patients with gastric carcinoma
- M01CM-43795-00 Therapy of patients with pancreatic carcinoma
- M01CM-43797-00 Therapy of patients with pancreatic carcinoma
- ** M01CM-43798-00 Therapy of patients with pancreatic carcinoma (human)
- M01CM-43799-00 Therapy of patients with pancreatic carcinoma
- M01CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
- M01RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
- M01RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
- M01RR-00047-14 0103 General clinical research center - Childrens cancer study group A
- M01RR-00053-13 0024 Clinical research center - Paradoxical estrogen response to dexamethasone (human)
- M01RR-00056-13 0041 General Clinical Research Center - Pre- and post-operative study of patients with pituitary tumor
- M01RR-00059-13 0095 General clinical research center - Effect of catecholamines on ventilation in carotid body chemodectomas (human)
- M01RR-00065-12 0049 General clinical research center - Pituitary function after vision trans-sphenoidal hypophyseal surgery (human)
- M01RR-00083-12 0039 General clinical research center - Period following removal of aldosterone producing adenoma (human)
- M01RR-00084-12 0038 General clinical research center - children - Prolactin and somatomedin in hypopituitarism after surgery for craniopharyngioma
- M01RR-00095-14 0016 General clinical research center - Recovery of function after removal of islet cell tumor (human)
- M01RR-00125-11 0146 General clinical research center - adult-child - Acromegaly
- M01RR-00125-11 0229 General clinical research center - adult-child - Evaluation of chemotherapy for medulloblastoma
- M01RR-00262-09 0004 General clinical research center - Exploratory laparotomy in staging of malignant lymphoma (human)
- M01RR-00334-08 0005 General clinical research center - Organ infusion (human)
- M01RR-00334-08 0013 General clinical research center - Adrenalectomy and hypophysectomy in breast carcinoma
- M01RR-00749-02 0034 General clinical research center - Does emphysema improve survival after lung cancer surgery? (human)
- NEOPLASMS TRANSPLANTATION**
- P01A-07007-09 0014 Immunopathologic studies - Immunologic injury in tumor cells (mice)
- R01A-11471-02 Antigen expression on tumor cells (mice)
- ** P01AM-10824-08 0009 Cellular immunity - Adoptive immunity to tumors (mice)
- P01AM-10824-08 0010 Cellular immunity - RNA mediated transfer of tumor immunity (mice, guinea pigs)
- R01AM-16872-01 0002 Immunopathology of chronic renal failure - Induction and growth of tumors in uremia (rats)
- ** R01CA-01594-23 Immunology of cancer (mice)
- P01CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
- R01CA-02662-19 Investigations on teratocarcinogenesis (mice)
- R01CA-05191-15 Some endocrine aspects of neoplasia (mice)
- R01CA-05660-14 The maternal-fetal allograft relation (mice)
- R01CA-05873-13 Biochemistry of pigmentation and inherited disorders (mice)
- ** P02CA-06518-11 0009 Radiation and radiobiology research center - Fractionated response to hyperthermia and x-radiation (mice)
- P02CA-06518-11 0035 Radiation and radiobiology research center - Metastases at elevated temperature (mice)
- P02CA-06519-12 0036 Radiation therapy and biology research program - Experimental radiation therapy of solid tumors (rats)
- R01CA-06656-12 Biochemical aspects of viral carcinogenesis
- P01CA-06927-12 0030 Biological and biochemical program in cancer research - Factors involved in spontaneous tumors (mice)
- ** P02CA-06973-12 0012 Integrated clinical cancer research program - Cell biology - Kinetics of transplanted cells (mice)
- ** P02CA-06973-12 0022 Integrated clinical cancer research program - Neoplasia - Clonal proliferation or recruitment (human, mice)
- R01CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
- R01CA-07617-12 Liver and hepatoma dehydrogenases (rats)
- ** R01CA-07973-09 Role of transplantation antigens in malignant cells (mice)
- P02CA-08341-09 0045 Clinical pharmacology and cancer chemotherapy - Experimental tumor chemotherapy (mice)
- R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
- ** R01CA-08593-08 Immune responses to tumor grafts (mice, sheep)
- R01CA-08731-09 Viral carcinogenesis with special reference to SV40
- P01CA-08748-09 5416 Research program of Sloan-Kettering Institute - Effect of age on host-tumor-drug relationships (mice)
- P01CA-08748-09 5639 Research program of Sloan-Kettering Institute - Resistance to intracerebral inoculation of cancer cells (mice)
- P01CA-08748-09 5739 Research program of Sloan-Kettering Institute - Glycogen sparing effect in slow growing hepatomas in rats
- P01CA-08748-09 6523 Research program of Sloan-Kettering Institute - Intracytoplasmic type A particles concentrated from mammary carcinoma (mice)
- P01CA-08748-09 7004 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies of neuroblastoma (human)
- P01CA-08748-09 7205 Research program of Sloan-Kettering Institute - Effect of natural products on mouse leukemia
- P01CA-08748-09 7801 Research program of Sloan-Kettering Institute - Tumor-specific antigens in guinea pig tumors
- P01CA-08748-09 7805 Research program of Sloan-Kettering Institute - Induction of increased immunological reactivity in mice
- ** P02CA-08832-08 0094 An integrated study of advanced malignant diseases - Synchronous growth of two transplanted tumors in mice
- ** R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
- R01CA-10018-08 Transplantation disease and leukemia (mice, viruses)
- ** R01CA-10129-08 Immunological enhancement of sarcoma I tumor cells (mice)
- R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
- R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- R01CA-10401-06 Immunologic studies of canine neoplasia
- R01CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
- ** P02CA-10438-08 0026 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (also human, tissue culture)
- P02CA-10438-08 0031 Clinical radiation therapy research center - Tumor immunotherapy with in vitro armed macrophages (human)
- R01CA-10515-07 Kinetics of cell turnover in leukemia (human, mice)
- R01CA-10537-05 RES function, tumor induction and growth (mice)
- R01CA-10729-07 Induction-Characterization-Minimal deviation hepatomas (rats)
- R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
- P01CA-10815-06 0007 Consolidated basic cancer research program - Characterize antigens of virus transformed cells (human, laboratory animals)
- P01CA-10815-06 0061 Consolidated basic cancer research program - Hybridization between tumor and normal host cells
- ** P01CA-10893-06 0006 Cancer Research Center - Prenoepithelial mammary lesions (mice)
- ** P01CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
- ** P02CA-11051-06 0051 Clinical radiation research center - Radiation pathology - Cell proliferation kinetics (hamsters)
- ** P02CA-11051-06 0055 Clinical radiation research center - Oxygen tension in tumors (hamsters)
- ** P02CA-11198-06 0002 Cancer research center - Tumor biology and bank (mice)
- M R01CA-11224-06 Neurooncogenesis by resorptive carcinogens
- ** R01CA-11224-06 0002 Neurooncogenesis by resorptive carcinogens - In vitro transformation of glial cells by MNNU and EMU (rats)
- ** R01CA-11224-06 0004 Neurooncogenesis by resorptive carcinogens - N-nitrosoureas as possible activators of C type viruses (rats)
- P01CA-11491-05 0001 Irradiation and tissue-localization response - Relationship of interferon induction to growth and metastases (rats, mice)
- R01CA-11634-05 Regulation of immunity (mice)
- R01CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- R01CA-11944-04 Chemical carcinogenesis of mouse mammary glands (mice)
- ** R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- P01CA-12093-04 0005 Immunobiology of cancer - Thymus studies (mice)
- ** P01CA-12093-04 0008 Immunobiology of cancer - Tumor immunology (mice, hamsters)
- R01CA-12141-04 Phenotypic analysis of chemical carcinogenesis (rats)
- R01CA-12370-04 Cellular function in cancer and viral transformation (mice)
- ** P01CA-12376-03 0016 Environmental carcinogenesis - Transplantable mammary tumors (rats)
- R01CA-12473-03 Model system for the study of tumor associated antigen (rats, guinea pigs)
- P01CA-12582-04 0005 Multidisciplinary cancer diagnosis and therapy - Immunotherapy experiments in animal (tumor host systems)
- R01CA-12643-03 Genetically controlled malignant neoplasms (Drosophila)
- P01CA-12662-03 0012 Cancer research center - Murine ovarian carcinoma
- R01CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
- R01CA-12733-03 Anti-leukemic narcissus althoid
- P01CA-12800-03 0014 Immune functions and cancer - Responses to murine plasmacytomas
- R01CA-12844-03 Controls of proliferation specific for leukemias (mice)
- P02CA-12924-03 0017 Tufts cancer research center - A malignant melanoma antigen phenotype (rats)
- R01CA-12929-03 Interrelationship between malignancy and immunity (mice)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01CA-13038-03 0077 Experimental therapeutics and cancer drug program - Fast and slow growing transplantable tumor
- P02CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)
- P02CA-13053-03 0032 Clinical cancer radiation therapy research center - Effect of antineoplastic agents on murine lymphosarcoma 6C3HED
- P02CA-13053-03 0036 Clinical cancer radiation therapy research center - Serum levels of anticancer agents (mice)
- P02CA-13053-03 0038 Clinical cancer radiation therapy research center - Cell and immunoglobulin mediated immunity (mice)
- ** P02CA-13053-03 0073 Clinical cancer radiation therapy research center - Action and interaction of anticancer agents at the cellular level (mice)
- P02CA-13053-03 0087 Clinical cancer radiation therapy research center - X-ray induced malignant cell transformation (mice)
- P02CA-13148-03 0066 Pilot cancer center - Comparison of hepatocytes and malignant cells from hepatomas (mice)
- R01CA-13188-03 Cancer immunotherapy by bulk LATCH culture (dogs, mice)
- ** R01CA-13216-03 Detection and modification of tumor immunity (human, mice)
- R01CA-13264-02 Effect on tumor growth of removing enhancing antibody (mice)
- P01CA-13330-03 0007 Cancer research program - Cell kinetic studies (human, mice)
- R01CA-13467-02 Immunotherapy of mouse lymphomas
- R01CA-13468-02 Growth potential of single lymphoma cells in mice
- P01CA-13472-02 0005 Investigation of childhood leukemia - Effect of cell fusion on immunogenicity of tumor antigens (mice)
- R01CA-13548-02 Controlled differentiation of tumor cells (mice)
- R01CA-13625-03 0003 Myeloma tumors in cell culture - Control or modulation of tumor growth in vivo (mice)
- R01CA-13625-03 0004 Myeloma tumors in cell culture - Effect of exogenous viruses on myeloma cells (mice)
- R01CA-13625-03 0005 Myeloma tumors in cell culture - Etiological significance of viral particles in myeloma cells (mice)
- R01CA-13664-03 Cancer immunotherapy by reducing feedback antibody (rats, rabbits, sheep)
- P02CA-13696-02 0012 Clinical cancer research center - Lymphocyte reaction in cancer (human, rats, mice)
- R01CA-13701-02 Mechanisms of immunity in leukemia (mice)
- R01CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
- R01CA-13881-02 Radiation in vitro-Mammary cell survival-Neoplasia (rats)
- R01CA-13915-02 Liver cell differentiation and carcinogenesis (rats)
- R01CA-13940-02 Immunogenetic study of a herpesvirus induced lymphoma (chickens, turkeys)
- R01CA-14003-02 Lipid control of growth of normal and tumorigenic cells (mice, human)
- R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
- P01CA-14052-02 Pion beam diagnostics control, dosimetry, and operation (human, mammals)
- R01CA-14188-02 Anti-tumor effect of cyclophosphamide (hamsters)
- R01CA-14318-01 Lysophospholipid metabolism of neoplasias (tissue culture)
- ** R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer
- ** R01CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- ** R01CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)
- R01CA-14676-01 Regulation of cancer cell development (mice)
- ** R01CA-14708-02 Fine structural analysis of androgenic tumor cells (mice)
- P01CA-14723-02 0004 Experimental cancer immunology - Non-specific augmentation of tumor-specific immunity (rats, mice, hamsters)
- P01CA-14723-02 0009 Experimental cancer immunology - Specialized functions of neoplastic hamster lymphoid cells
- R01CA-14730-01 Virus induced leukemic stem cells in mice
- R01CA-14768-01 Immunological parameters of spontaneous murine cancer (mice)
- R01CA-14828-01 0005 Molecular mechanisms in carcinogenesis - RNA-instructed DNA polymerases and other nucleic acid polymerases (rats)
- R01CA-14839-01 Induction of specific cell mediated immunity to neoplasia (guinea pigs)
- R01CA-14922-01 Transplantation and genetic expression (mice)
- R01CA-14987-01 Mechanism of cortisol-induced lymphoma regression
- ** R01CA-14993-01 Effect of immunologic factors on metastasis (mice)
- R01CA-15084-01 Immunosuppressive factors in hepatoma and cord blood (human, rats)
- R01CA-15142-01 Cancer chemotherapy and immunologic effects
- R01CA-15225-01 Cancer radiochemotherapy with 7-trifluorotriacetyluracil (rats, human)
- R01CA-15240-01 Non-specific resistance to syngeneic tumors (mice)
- R01CA-15306-01 Mechanisms of immunosuppression of murine myeloma
- ** R01CA-15322-01 Oncogenesis in congenitally athymic mice
- R01CA-15385-01 Mechanism of antitumor effect of portacaval shunt (rats)
- R26CA-15412-02 Diagnosis and treatment of bladder cancer in mice
- R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
- ** R26CA-15441-01 Hormonal dependence of prostate cancer (human, rats)
- ** R01CA-15462-01 Cell interactions in the rejection of tumor transplants (mice)
- R01CA-15472-01 Immunity to myeloma tumors (mice)
- R01CA-15500-01 Immunologically induced tumors (mice)
- ** R26CA-15503-01 Prostatic human tumors in conditioned animals and in culture (mice)
- R01CA-15565-01 Macrophage and tumor cell interactions (mice)
- R01CA-15594-01 Effects of radiation on replicating endothelial cells (mice)
- R01CA-15600-01 Viral and other antigens of murine plasmacytomas
- ** R01CA-15639-01 Transplantable chemically induced colon cancer in rats
- P01CA-15655-01 0003 Cancer center support grant - Experimental manipulation of tumor immunity (mice)
- ** P01CA-15655-01 0007 Cancer center support grant - Chemotherapy of Rauscher leukemia and transplanted tumors (mice)
- ** P01CA-15655-01 0013 Cancer center support grant - Acceptance or rejection of malignant cell invasion (rats)
- R01CA-15769-01 Chemotherapy-Cytotoxicity, repair and its inhibition (tissue culture, mice)
- P01CA-15822-01 0001 Immunobiology of normal and neoplastic lymphocytes - Immunobiology of T lymphocytes (rats)
- P01CA-15822-01 0005 Immunobiology of normal and neoplastic lymphocytes - Lymphocytes and transplantation immunology (hamsters, rats, mice)
- P01CA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinoma (human, hamsters)
- R01CA-15926-01 Immune reagents for tumor research and immunotherapy (mice)
- P01CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
- R26CA-15945-01 Studies on experimental bladder tumors (rats)
- R01CA-15951-01 Cellular immune responses in graft reaction systems (mice)
- R26CA-15962-01 Effects of sex on colon carcinogenesis (mice)
- ** P01CA-16127-01 0011 Cancer Research and Treatment Center Program - Tumor-associated antigens in immunity and enhancement (mice)
- P01CA-16246-01 0005 Integrated tumor biology program - Immune response to Rous sarcoma in mice
- P01CA-16247-01 0001 Immunologic aspects of cancer - Growth requirements of lymphoid tumors of B-cell origin (mice)
- P01CA-16247-01 0003 Immunologic aspects of cancer - Genetic control of the response to plasma cytoma antigens (mice)
- P01CA-16247-01 0007 Immunologic aspects of cancer - Development of a radio-immunoassay (mice)
- P01CA-16247-01 0008 Immunologic aspects of cancer - Treatment with transfer factor and immune response (human)
- R01CA-16274-01 Non-histone chromosomal proteins and hepatoma growth (rats)
- P01CA-16359-01 0041 Cancer center support grant - Immunosuppressive and tumoricidal drugs
- R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)
- R26CA-16732-01 Glucoprotein antigens in experimental large bowel cancer (rats)
- R01CA-17025-01 Mode of action of a stimulator of tumor resistance
- ** R01CA-17099-01 Factors in canine mast tumor implantation and growth (beagles)
- R01CA-17104-01 RNA-associated transfer factors in tumor immunity
- ** N01CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
- ** N01CB-33856-02 Study breast cancer transplantability in nude athymic mice (human)
- N01CB-43908-00 Preneoplastic lesions of the human mammary gland
- ** N01CB-43914-00 Predictable transplantable mammary tumor model (animals)
- N01CB-43998-00 Selective stimulation or suppression of immunologic responses
- N01CB-92142-13 Transplantation and preservation of plasma cell tumors in mice
- ** N01CM-02035-05 Iso-antigen typing of mouse strains and tumors
- N01CM-12098-11 Analysis, testing and evaluation of anti-cancer agents (mammal, nonhuman)
- ** N01CM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
- N01CM-43736-00 Model system development and agent collection (mice)
- N01CM-43756-00 Analysis, testing and evaluation of anti-cancer agents (mammals, non-human)
- N01CM-43791-00 Combined use of radiotherapy and clinically established antitumor drugs
- N01CM-81021-10 Screening chemical agents against animal tumors (mice)
- N01CP-22020-04 Cell biology facilities and tumor immunology (human, mammals nonhuman)
- N01CP-23206-02 Histogenesis of renal carcinoma (human, mammals)
- N01CP-33200-03 Induction of malignant melanomas in guinea pigs
- ** N01CP-33236-01 Immunological and transplantation studies on dogs with cancer
- N01CP-33372-01 Demonstrate tumor specific transplantation antigens (human, mammals nonhuman)
- N01CP-43237-00 Normal and malignant tracheobronchial epithelium in humans (hamsters)
- N01CP-43274-00 Carcinogenesis in human bronchial tissues
- N01CP-43358-00 Immunological studies on animal breast carcinoma (mice)
- ** N01CP-92083-07 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- ** P01DE-02849-06 0004 Mechanism and treatment of periodontal disease - Bone resorption from fibrosarcoma (mice)
- R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
- P01GM-19100-03 0027 Genetics research center - Somatic cell genetics (mice, hamsters, chickens, human)
- R01HD-07642-01 Aging and immune response to transplants and tumors (mice)
- N01HI-92245-11 Production of cells from neuroblastomas (human, mammals, non-human)
- M01RR-00082-12 0051 General clinical research center - Postoperative assessment of abdominal sarcoma in children
- S06RR-08067-03 CUPR biomedical research program (Catholic Univ Puerto Rico)
- NEOPLASMS VASCULAR SUPPLY**
- ** P02CA-08832-08 0113 An integrated study of advanced malignant diseases - Early vascular changes in x-irradiated Walker carcinoma 256 in rats
- ** P02CA-08832-08 0114 An integrated study of advanced malignant diseases - Fractionated radiation and tumor vasculatures
- P02CA-08832-08 0115 An integrated study of advanced malignant diseases - Vascular changes in neuroblastoma of mice from x-irradiation
- R01CA-14303-02 Ferromagnetic silicone vascular occlusion in neoplasms (dogs, human)
- R01CA-16089-01 Immunotherapy and dynamics of the metastatic process (mice)
- ** R01NS-09789-03 Fine structure of viral induced brain tumors (dogs)
- NEOPLASMS VASCULAR SUPPLY, CANCER THROMBOGENIC FACTOR**
- ** M01RR-00051-13 0129 General clinical research center - Purification and estimation of cancer thrombogenic factor (human)
- NEOPLASMS VASCULAR SUPPLY, TUMOR ANGIOGENESIS FACTOR**
- ** R01CA-14766-02 Studies in tumor angiogenesis and invasiveness (hamster cheek pouch)
- ** P02CA-15145-01 0032 Cancer center support grant - The role of tumor angiogenesis factor(s) in brain neoplasms (human, animals)
- ** N01CB-43942-00 Immunochemistry of tumor angiogenesis factor (rabbits)
- P01DE-02848-06 0019 Biology of connective tissue, bones and teeth - Vascularization and avascularization (chick embryo, rabbits, hamsters)
- R01HL-08251-11 0001 Pathophysiology of vascular injury - Endothelial regeneration (rats, rabbits)
- NEOPLASMS XYZ FACTORS**
- P01CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- NEOPLASTIC ANTIBODIES**
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES
- NEOPLASTIC ANTIGENS**
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIGENS
- NEOPLASTIC CELLS**
SEE ALSO NEOPLASMS, CELLULAR LEVEL STUDIES

(contd)

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- R01AI-00957-19 RNA function in viral infected and uninfected cells
- R01AI-01725-17 Biochemistry of animal virus multiplication
- R01AI-05231-10 Synthesis of viral and gammaglobulin proteins
- R01AI-06918-09 Transplantation immunology (rats, mice)
- R01AI-01080-04 Biologic properties and chemical structure of HLA antigens
- P01AI-11132-03 0004 Prevention or control of arbovirus infections - Serological and biological properties of Congo virus (mice)
- ** R01AI-11471-02 Antigen expression on tumor cells (mice)
- R01AI-11493-02 Immunoglobulin synthesis in myeloma cells
- R01AM-00803-20 Methionine-tRNA synthetase (cattle, rats, rabbits, human)
- ** R01AM-08823-10 Biosynthetic processes in mitochondria (yeast, ascites tumor, cattle)
- R01AM-10733-08 Control of phospholipid metabolism (dogs, rats)
- R01AM-10833-08 Structure of collagen (bacteria, mice, human)
- ** R01AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
- R01AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- R01AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
- R01AM-15172-10 Alkyl and alkenyl glyceryl ethers and derivatives (human, rats, mice)
- R01AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
- R01AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
- R01AM-16194-03 Structure and function of phosphofructokinase (rabbits, chickens, human)
- R01AM-17307-01 Hormone production in cultured endocrine cells (rats)
- ** R01AM-17320-11 Carbohydrate metabolism in rod blood and tumor cells (human)
- ** R01CA-02758-19 Steroid metabolism in tumors and normal tissues (mice)
- R01CA-03353-17 Experimental radiotherapy—Cellular responses in vivo (mice)
- R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- ** R01CA-04464-16 Biosynthesis and role of deoxynucleotides (hamster, rats, human, E coli)
- ** R01CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- R01CA-04464-16 Relationship of repair and recovery in mammalian cells (hamsters)
- ** R01CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)
- R10CA-05186-14 Western cancer study group
- R01CA-05262-14 Iododeoxyuridine, iodo-DNA and biological activity (mice)
- P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- ** P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- P02CA-05834-13 0007 Cancer clinical research center - Bone marrow culture (human, mice)
- ** P02CA-05834-13 0034 Cancer clinical research center - Assays for drug sensitivity before and after chemotherapy
- P02CA-06516-12 0016 Cancer center support grant—Comprehensive - Preclinical evaluation of antitumor agents
- ** P02CA-06516-12 0028 Cancer center support grant—Comprehensive - Cell culture and cell physiology (human)
- P02CA-06518-11 0037 Radiation and radiobiology research center - Studies of proton and neutron beams (plants, tissue culture, human)
- R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
- ** P02CA-06973-12 0012 Integrated clinical cancer research program - Cell biology—Kinetics of transplanted cells (mice)
- ** P02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
- ** P02CA-06973-12 0021 Integrated clinical cancer research program - Cell biology—Cell surface studies with plant agglutinins (human, mice)
- ** P02CA-06973-12 0027 Integrated clinical cancer research program - Cell biology—normal and neoplastic cells (mice)
- P02CA-07357-10 0020 Special children's cancer center program - Natural history of acute leukemia
- R01CA-07489-11 Biochemical studies on lysosomes and related enzymes (rats, protozoa)
- ** R01CA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- ** R01CA-07973-09 Role of transplantation antigens in malignant cells (mice)
- R01CA-08290-09 Chemotherapeutic deoxynucleosides and other agents
- P02CA-08341-09 0043 Clinical pharmacology and cancer chemotherapy - Thiopurine resistance
- R01CA-08395-09 Control factors for DNA synthesis (bacteria, human, mammals sub-human)
- ** R01CA-08418-09 Glycoproteins from cancer cells (mice, guinea pigs)
- ** P02CA-08480-09 0004 Childhood cancer research center - Cyclic AMP in normal and cancer tissues (rats)
- M R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
- R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
- R01CA-08518-07 0005 Lysosomal enzymes in x-irradiated tumor cells - Mechanism of action of Trypan Blue
- P01CA-08748-09 5513 Research program of Sloan-Kettering Institute - Effect of cell density on radiation sensitivity (human, mice)
- P01CA-08748-09 6521 Research program of Sloan-Kettering Institute - Morphology of herpes simplex and cytomegalovirus in WI38 cells
- P01CA-08748-09 6704 Research program of Sloan-Kettering Institute - Nucleic acids, proteins biosynthesis in virus-transformed cells (mice, hamsters)
- ** P01CA-08748-09 6912 Research program of Sloan-Kettering Institute - Search for human cancer viruses
- P01CA-08748-09 7410 Research program of Sloan-Kettering Institute - Biochemical mechanism of resistance to P815 neoplasms (mice)
- P01CA-08748-09 7415 Research program of Sloan-Kettering Institute - Distribution of leukemic cells and effect of antiolate therapy (mice)
- P01CA-08748-09 7701 Research program of Sloan-Kettering Institute - Tumor-specific embryonal antigens (mice, rabbits)
- R01CA-08793-08 Chemistry and pharmacology of vitamin B6 antagonists
- ** R01CA-08800-08 Mechanisms of drug inhibition of human leukemic cells (rats, human)
- P02CA-08832-08 0100 An integrated study of advanced malignant diseases - Membrane glycosphingolipid hydrolases in leukemic cells
- P02CA-08832-08 0104 An integrated study of advanced malignant diseases - Acute lymphoblastic leukemia cells with T lymphocyte markers
- ** P02CA-08832-08 0112 An integrated study of advanced malignant diseases - Cytolytic effect of x-radiation and cell-mediated immune reactions on neoplasias
- ** R01CA-08964-08 Energy metabolism in normal and tumor cells (cattle, plants, microorganisms)
- R01CA-10000-08 Filterable agents and tumor induction in mice
- ** R01CA-10097-07 Cellular antigens of normal and malignant rat tissues
- M R01CA-10337-08 Spin labeling and membrane structure
- R01CA-10337-08 0003 Spin labeling and membrane structure - Effect of osmium tetroxide on motion along fatty acid drains (lobster, mice)
- ** R01CA-10337-08 0007 Spin labeling and membrane structure - Fluidity of membranes of cells transformed by oncogenic viruses (mice)
- ** R01CA-10367-06 Cell properties related to mitotic control in vitro
- P02CA-10438-08 0034 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (mice)
- R01CA-10515-07 Kinetics of cell turnover in leukemia (human, mice)
- R01CA-10002-07 Synthesis in normal virus-infected and tumor cells (human, mice)
- P01CA-10815-06 0013 Consolidated basic cancer research program - Primary response to transplantation antigens (laboratory animals)
- P01CA-10815-06 0037 Consolidated basic cancer research program - Isolate viruses from human sarcomas and leukemias
- P01CA-10815-06 0038 Consolidated basic cancer research program - Viruses in cells from canine tumors
- P01CA-10815-06 0051 Consolidated basic cancer research program - Effects of radiolabeled thiouracil on survival of melanoma cells (hamsters)
- P01CA-10815-06 0064 Consolidated basic cancer research program - Tumor promoters effect on normal and transformed cells (human)
- R01CA-10871-07 Structure and function of chromosomal nucleohistone (animals, bacteria)
- P01CA-10893-06 0001 Cancer Research Center - RNA section (human, rats)
- ** P01CA-10893-06 0003 Cancer Research Center - Nuclear Protein Section (cattle, rats)
- ** P01CA-10893-06 0004 Cancer Research Center - Low molecular weight nuclear RNA
- ** P01CA-10893-06 0005 Cancer Research Center - Electron microscopy of nucleoli and nuclei of cancer cells (human, rats)
- ** P01CA-10893-06 0007 Cancer Research Center - High molecular weight RNA
- ** P01CA-10893-06 0008 Cancer Research Center - Synthesis and maturation of ribosome precursors (rats)
- ** P01CA-10893-06 0013 Cancer Research Center - Structural analysis of nucleic acids (human, rats)
- ** R01CA-10909-07 Immunospecific glycolipids of normal and cancer cells (human)
- ** R01CA-10916-13 Metabolism of normal and neoplastic tissues
- ** R01CA-10922-06 Metabolism of animal cell ribosomes (human)
- ** R01CA-10935-12 Steroid hormone metabolism and tumorigenic action (mice)
- R01CA-10951-06 Control of enzymatic phosphate transfer in mitochondria (rats)
- ** R01CA-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
- R01CA-11113-06 Tumor inhibitory enzymes (human, mice, guinea pigs)
- ** R01CA-11114-06 Cell junctions during growth and differentiation (mice)
- ** R01CA-11176-06 Factors required for mammalian cell division
- ** R01CA-11186-06 Asparagine transport in normal and neoplastic cells (human, bacteria, mice)
- ** R01CA-11189-05 Cell kinetics of human tumors (human, rats)
- P01CA-11405-06 0002 Com program on etiology of cancer - Morphogenesis of MTV in cell culture (human)
- R01CA-11447-06 Effect of hypoxemia on normal and neoplastic cells (dogs, mice, human)
- R01CA-11472-04 Homeoplastic control mechanisms (mice)
- R01CA-11524-04 Control of replication in human lymphocytes
- P01CA-11536-05 0012 Cell control in integumental cancer - Malignant cell behavior and morphology (mice)
- ** R01CA-11685-05 Tumor cell synthesis and secretion of peptide hormones (human, mice)
- ** R01CA-11705-05 Studies on DNA synthesis (bacteria, human, mammals)
- ** R01CA-11766-04 Ion transport and metabolic regulation in neoplasms (rats)
- ** R01CA-11818-04 Adenylate kinase in normal and neoplastic tissues (rats, mice)
- ** R01CA-11853-03 Polycytidylylase polymerase from tumor cells (mice)
- ** R01CA-11858-05 Concentration of radionuclides by malignant neoplasias (rats, mice, hamsters)
- R01CA-11881-05 Research with enzymes as antitumor agents (human, mice, animals)
- ** R01CA-11949-05 Biosynthetic mechanisms for ether bonds in lipids (rats)
- ** R01CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- ** R01CA-12067-04 Electron microscopy and cytochemical studies of DNA (human, rats)
- ** R01CA-12076-03 Cell kinetics in irradiated tumors of different growth (mice)
- R01CA-12109-04 0010 Trophoblastic disease - Cytotoxic serum factors in choriocarcinoma (human)
- ** R01CA-12150-04 Unusual lipids in cancer tissue (mice, rats, human)
- ** R01CA-12188-03 0007 Mechanisms of enhanced asparagine therapy - Evaluating tumor tissue for amino acid dependencies
- P02CA-12197-03 0002 Multidisciplinary oncology research center - Research and teaching functions of the oncology center
- ** P02CA-12197-03 0021 Multidisciplinary oncology research center - Drug research laboratory objectives and requirements
- R01CA-12210-14 Cellular control mechanisms (mammals)
- P02CA-12247-03 0019 Pediatric oncology center - Immunology study—Lymphotaxin production (human)
- ** P02CA-12247-03 0022 Pediatric oncology center - Tissue culture of neoplastic cells
- ** P02CA-12247-03 0024 Pediatric oncology center - Germinal tumors of the gonads, pineal and sacrococcygium (human, mice)
- R01CA-12334-03 Action of aminonucleoside on normal and cancer cells
- ** R01CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
- R01CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
- R01CA-12504-04 Suppression of malignancy in cell hybrids (mice)
- ** P01CA-12536-04 0010 Effects of small doses of ionizing radiation - Relationship of intracellular cyclic AMP and radiosensitivity (rat, hamster)
- R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
- R01CA-12557-03 SV40—Genetic analysis and oncogenic transformation
- R01CA-12574-04 Modification of NH2-terminal region of proteins (E coli, mice, chickens)
- ** R01CA-12589-03 Cell electrophoresis for cancer diagnosis (mammals)
- R01CA-12691-02 in vitro assay of human cancer chemical radiosensitization (also mice)
- R01CA-12712-03 Protein turnover in normal and transformed animal cells (rats)
- ** R01CA-12718-03 Membrane properties of normal and tumor cells (human)
- R01CA-12765-03 Role of nuclear proteins in the neoplastic process (mice, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01CA-12800-03 0006 Immune functions and cancer - Glycolipid components of lymphocyte and tumor cells
P01CA-12800-03 0012 Immune functions and cancer - Tumor cell destruction by lymphoid cells (human, mice, rats)
- P01CA-12800-03 0020 Immune functions and cancer - Adjuvant and specific immunotherapy
R01CA-12853-03 Membranes of leukemic and normal human leukocytes
- ** R01CA-12870-04 Pathological cells from human tumors
R01CA-12892-02 Reticuloendothelial function in the leukemic rat
R01CA-12895-01 Molecular mechanisms in neoplasia (chickens)
- ** R01CA-12920-03 Molecular basis of intercellular adhesion (mice, chick embryo)
** R01CA-12956-03 Permeability of leukocyte and neoplastic cell (human)
- P01CA-13038-03 0072 Experimental therapeutics and cancer drug program - Specific glucocorticoid binding in human hemopoietic cells and neoplastic tissue
P01CA-13038-03 0080 Experimental therapeutics and cancer drug program - Deoxynucleotide polymerizing enzymes from human cells
P01CA-13038-03 0081 Experimental therapeutics and cancer drug program - Polynucleotides, streptovaricins and deoxynucleotide polymerizing enzymes
P02CA-13053-03 0041 Clinical cancer research center - Mathematical modelling in malignant diseases (mice)
- R01CA-13061-03 Problems of membrane biology and oncogenesis
** R01CA-13074-02 Exploitable differences in tumor cell metabolism
- ** P01CA-13095-03 0004 Virology, immunobiology and biochemistry of renal cancer - Establish tissue and serum bank (human, mammals nonhuman)
** R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
- P02CA-13148-03 0026 Pilot cancer center - Pathology (dogs, mice, hamsters)
P02CA-13148-03 0054 Pilot cancer center - In vitro localization of gallium 67 (mice)
P02CA-13148-03 0055 Pilot cancer center - Radiation biology
P02CA-13148-03 0062 Pilot cancer center - Hodgkin's disease
- ** P02CA-13146-03 0065 Pilot cancer center - Disaggregation of human solid tumors
P02CA-13148-03 0066 Pilot cancer center - Comparison of hepatocytes and malignant cells from hepatomas (mice)
** P02CA-13148-03 0067 Pilot cancer center - Separation of immune cells from solid tumors (human, mice)
- ** R01CA-13188-03 Cancer immunotherapy by bulk LATCH culture (dogs, mice)
** R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)
- ** R01CA-13220-03 Membrane biochemistry of neoplastic cells
** R01CA-13220-03 0001 Membrane biochemistry of neoplastic cells - Electrokinetic and biochemical nature of 3T3 cells (chick embryo)
** R01CA-13220-03 0002 Membrane biochemistry of neoplastic cells - Biochemical analysis of membranes of neoplastic cells
** R01CA-13220-03 0003 Membrane biochemistry of neoplastic cells - Synthesis and degradation of surface membranes
R01CA-13259-02 Enzyme injections and tumor growth (human, mice)
** R01CA-13287-03 Genetic basis of antigenic variation (mice)
- ** P01CA-13330-03 0022 Cancer research program - Effect of pH on cellular growth and function (human, mice, hamsters)
P01CA-13330-03 0028 Cancer research program - Repetitive DNA sequences in mammalian chromosomes (human, animals)
P01CA-13330-03 0029 Cancer research program - Cyclic AMP in normal and malignant cells (rabbits, monkeys, human)
P01CA-13330-03 0032 Cancer research program - Cyclic AMP and protein kinase (hamsters, cattle, bacteria)
- ** R01CA-13400-02 Macromolecular events in synchronized tumor cells
** R01CA-13412-03 Role of phospholipase in neoplasia (rats)
R01CA-13434-03 Plasma membrane DNA in neoplastic and normal cells (human, monkeys, rodents)
** R01CA-13444-03 Regulation of adenylyl cyclase (neoplastic cells)
R01CA-13494-02 Cell analysis of some virus-associated tumors of man
** R01CA-13513-03 Surface properties of virally transformed and revertant cells (mice)
P01CA-13526-03 0003 Correlated study of metabolic regulation in neoplasia - Phosphodiesterase activity in cyclic AMP homeostasis (rats)
** R01CA-13529-02 Amino acid transport in normal and neoplastic cells (rats)
- R01CA-13533-03 Ectopic placental proteins in cancer (human)
R01CA-13534-03 Plasma membrane proteins in normal and cancer cells (human)
- ** R01CA-13537-03 Cyclic AMP system in normal and neoplastic cells (3T3 cells, cattle)
R01CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
** R01CA-13603-03 Clinicopathologic study of ocular and orbital cancer (human)
- ** R01CA-13605-03 Determinants of malignant and embryonic cell behavior (chordates, ctenophores)
R01CA-13625-03 0002 Myeloma tumors in cell culture - Control or modulation of differentiated function (mice)
R01CA-13657-05 Control of ribonucleotide reduction in eukaryotes (yeasts, mammals)
** R01CA-13658-03 Effects of lymphokines on tumor cells (human, rats, guinea pigs)
- ** P02CA-13696-02 0005 Clinical cancer research center - Regulation of enzyme induction in normal and neoplastic cells
** P02CA-13696-02 0057 Clinical cancer research center - Organelle defects in cancer
** P02CA-13696-02 0059 Clinical cancer research center - Use of clinical tumor material for viral study (human)
** P02CA-13696-02 0061 Clinical cancer research center - Interferon-induced, immune-mediated oncology (human, cats)
** P02CA-13696-02 0062 Clinical cancer research center - Methods in enzymology
- ** R01CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
** R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
R01CA-13840-02 Structural studies on dihydrofolate reductase (bacteria, cattle)
** R01CA-13845-02 Replication of wet cancer cell surfaces
R01CA-13851-02 Hybrid cell studies of malignancy (mice, rabbits)
- ** P02CA-13943-02 0013 Clinical pharmacology immunology cancer research center - Purine metabolism in human and animal tumor cells
** P02CA-13943-02 0014 Clinical pharmacology immunology cancer research center - Nucleotide patterns in animal tumor cells and human leukemic cells
P02CA-13943-02 0020 Clinical pharmacology immunology cancer research center - Detection of immune responses to tumor cell antigens of solid tumors
** P02CA-13943-02 0053 Clinical pharmacology immunology cancer research center - Endocrinology-Adenylyl cyclase in neoplastic tissue (human, mammals)
** P02CA-13943-02 0054 Clinical pharmacology immunology cancer research center - Endocrinology-Phosphodiesterase isozymes in neoplastic tissue (human, mammals)
** P02CA-13943-02 0056 Clinical pharmacology immunology cancer research center - Purine metabolism in human and animal tumor cells
- M R01CA-13992-02 Surface membranes of normal and cancer cells
** R01CA-13992-02 0001 Surface membranes of normal and cancer cells - Sialyl transferase in virus-transformed cells (hamsters, ducks)
** R01CA-13992-02 0002 Surface membranes of normal and cancer cells - Distribution of the fucose-sialyl glycoprotein within the cell
** R01CA-13992-02 0003 Surface membranes of normal and cancer cells - Presence of the fucose-sialyl glycoprotein in various types of cells (human)
** R01CA-13992-02 0004 Surface membranes of normal and cancer cells - When and where is the fucose-sialyl glycoprotein made
** R01CA-13992-02 0005 Surface membranes of normal and cancer cells - Purification of large early-eluting component
** R01CA-13992-02 0006 Surface membranes of normal and cancer cells - Disc gel electrophoresis
** R01CA-14003-02 Lipid control of growth of normal and tumorigenic cells (mice, human)
R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
P01CA-14051-02 0002 Center for cancer biology at MIT - Cellular biology of cancer (animals)
P01CA-14089-01 0042 Pilot multidisciplinary cancer research program - Clinical and molecular pharmacology
R01CA-14113-02 Tumor immunity (mice)
** R01CA-14125-01 A mathematical model for quantitation of cancer cells (mice)
P01CA-14193-02 0003 Comparative leukemia studies unit - Production purification and detection of BLV (human, cattle, rats)
P01CA-14195-01 0006 Core grant-Regulation, the cell membrane and cancer - Blocking of tumor immunity (mice)
** P01CA-14195-01 0008 Core grant-Regulation, the cell membrane and cancer - Control of growth of mammalian cells
P01CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
** P01CA-14195-01 0010 Core grant-Regulation, the cell membrane and cancer - Regulation and function of cell surface antigens (mice)
- P01CA-14195-01 0013 Core grant-Regulation, the cell membrane and cancer - Live cell immunogens for tumor rejection (rats)
** P01CA-14195-01 0015 Core grant-Regulation, the cell membrane and cancer - Topography of normal, embryonic and neoplastic cell surfaces (mice, hamsters)
P01CA-14195-01 0021 Core grant-Regulation, the cell membrane and cancer - Synthetic tumor antigens
R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
R01CA-14312-01 Hepatocellular growth-in vitro system (rats)
R01CA-14345-01 Membrane turnover and repair in normal and malignant cells (frogs, mammals)
** R01CA-14346-02 Human tumor-Associated molecular expressions-CEA
** R01CA-14370-02 Specificity in normal and cancer cell interactions
** R01CA-14384-02 Rotating frame relaxation in malignant mice tissue
** R01CA-14406-02 DNA-dependent RNA polymerases in normal and malignant cells, (mice)
R01CA-14431-02 Cell adhesion of normal and malignant liver cells (rats)
** R01CA-14432-02 Tumor cell proliferation (rats)
** R01CA-14447-02 Cell membrane interrelationships in human cancer (and mice)
** R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
R01CA-14464-02 Program on etiology and diagnosis of cancer (human, mammals)
** P02CA-14520-02 0008 Wisconsin Clinical Cancer Center - Tumor cells and lymphocytes-immunodetection and therapy (human, mice)
** P02CA-14520-02 0032 Wisconsin Clinical Cancer Center - In-situ factors affecting the differentiation of malignant mammary cells
** P01CA-14536-01 0041 Cancer institute core proposal - Activation of helper activity in human neoplastic tissue
R01CA-14551-02 Penetration of macromolecules into mammalian cells
P01CA-14599-01 0008 University of Chicago Cancer Research Center - Cell surface and cellular interaction in growth and differentiation (mammals)
P01CA-14599-01 0009 University of Chicago Cancer Research Center - DNA replication in normal and transformed cells (mice, Drosophila)
P01CA-14599-01 0014 University of Chicago Cancer Research Center - Morphogenesis of cell surfaces (chick embryo)
P01CA-14599-01 0023 University of Chicago Cancer Research Center - Human autologous regional lymphocyte-Breast cancer interaction
** R01CA-14609-02 Adhesion of normal and malignant mammalian cells (hamsters)
R01CA-14656-02 Polyenes as antitumor agents (mice)
R01CA-14674-02 Involvement of bacterial RNA polymerase in crown gall (broad bean)
R01CA-14692-02 Cancer cell survival and mechanisms of cytotoxicity (human, mice)
** R01CA-14697-02 Specific anti-tumor activity by 'armed' lymphoid cells (mice)
** R01CA-14700-01 Lipolytic activity in tumor cells (rats Walker 256 ascites tumor)
** R01CA-14710-02 Irreversibility of latent tumor cells (mice)
** R01CA-14713-02 Adrenal cyclase in normal and cancer cells (mammals)
** P01CA-14723-02 0002 Experimental cancer immunology - Cytotoxicity of malignant target cells (mice)
P01CA-14723-02 0006 Experimental cancer immunology - Macromolecules on cell surfaces (mice)
** R01CA-14729-02 Detoxication pathways in normal and neoplastic tissues (rats)
** R01CA-14730-01 Virus induced leukemic stem cells in mice
P01CA-14733-02 0023 Control of gene expression, virus replication and cell growth - Protein-nucleic acid interactions (mammals)
** R01CA-14774-01 Buoyant density studies on leukemic cells
R01CA-14777-01 Analysis of host response to tumor oncogenesis (mice)
R01CA-14797-01 Epithelial basement membrane components (mice)
R01CA-14817-02 Cancer diagnosis by magnetic resonance (humans, mice)
** R01CA-14821-02 Steroid hormone control of tumor cell growth in vitro (hamsters)
R01CA-14828-01 0002 Molecular mechanisms in carcinogenesis - Cell cycle analysis of normal and malignant cells
R01CA-14828-01 0003 Molecular mechanisms in carcinogenesis - Membrane properties of normal and malignant cells
R01CA-14828-01 0004 Molecular mechanisms in carcinogenesis - Metabolic regulation in normal and malignant cells
** R01CA-14835-02 DNA polymerases in normal and neoplastic human cells
R01CA-14846-02 Mechanism of action of antitumor immune RNA (rodents)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-14881-02 Regulation of tyrosine synthesis in hepatoma cells (rats)
- R26CA-14917-02 Pyrimidine synthesis and cellular proliferation in colon (mammals, nonhuman)
- ** R01CA-14953-01 Malignancy in mouse germ cell-Cancer cell hybrids
- ** R01CA-14991-02 Renewal of premalignant and malignant intestinal cells (human, hamsters)
- ** R01CA-14993-01 Effect of immunologic factors on metastasis (mice)
- R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
- ** R01CA-15018-01 Human hematopoietic and cancer cells
- ** R01CA-15047-01 O-alkyl lipids in surface membranes of tumor cells (rats, dogs, human)
- ** R01CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
- ** R01CA-15087-01 Growth control of SV40 virus transformed 3T3 cells
- ** R01CA-15114-01 Plasma membrane of normal and cancer cells
- R01CA-15115-01 Local immune response against cancer (human)
- PO2CA-15145-01 0005 Cancer center support grant - Tissue culture of choriocarcinoma and hydatid mole
- PO2CA-15145-01 0016 Cancer center support grant - Control of cell division (tissue culture)
- ** PO2CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems
- PO2CA-15145-01 0019 Cancer center support grant - Cell surface changes during in vitro carcinogenesis
- PO2CA-15145-01 0027 Cancer center support grant - Metabolism and differentiation of neuroblastoma cells (mice)
- PO2CA-15145-01 0036 Cancer center support grant - Transition phenomena in normal and neoplastic cells
- ** PO2CA-15145-01 0052 Cancer center support grant - Correlates in drug sensitive and resistant leukemia
- ** R01CA-15161-01 Biochemistry of normal and malignant cell surfaces (mouse cell lines)
- ** R01CA-15187-01 DNA synthesis-Regulation in normal and cancer cells (rat liver)
- ** R01CA-15229-01 Actin and tubulin in cancer cells (human)
- ** R01CA-15236-01 Monoclonal detection of the human cancer cell surface
- ** R01CA-15305-01 Effect of malignancy on cell growth requirements (rabbit)
- ** R01CA-15330-01 Electron diffraction of cancer cell membranes (human)
- ** R01CA-15339-01 Pattern of molecules on normal and neoplastic cells
- R01CA-15389-01 Fate of RNA in malignant and normal cells (mice, Xenopus)
- ** R01CA-15543-01 Structure of glycolipids in oncogenic cells (mice)
- ** R01CA-15544-02 Effect of microtubular proteins on cell surfaces (human)
- ** R01CA-15549-01 Neoplastic-normal cell coaggregates (mice)
- ** R26CA-15551-01 Virology and immunology of cancer of the human urothelium
- R01CA-15565-01 Macrophage and tumor cell interactions (mice)
- ** R01CA-15581-01 Immune response to tumor cell surface antigens (mice)
- R01CA-15585-01 Soluble mediator of tumor induced immunosuppression (mice)
- R01CA-15644-01 Control mechanisms of the G0 phase of the cell (tissue culture)
- R01CA-15683-01 Phosphoproteins and phosphorylating enzymes in neoplasia (human, cell lines)
- R01CA-15694-01 Membrane phospholipid metabolism in tumors (human)
- ** P01CA-15704-01 0002 Cancer center support grant - Biochemical oncology
- R01CA-15722-01 Viral genes in malignant transformation
- R01CA-15796-01 Steroid hormonal effects on renal carcinoma (hamsters)
- R01CA-15811-01 Host resistant to cancer (human, mice)
- ** R01CA-15813-01 Lipid transport, synthesis and metabolism in cancers (mice)
- ** P01CA-15823-01 0008 Program in developmental biology of cancer - Neoplastic membranes (human)
- R01CA-15826-01 Metal binding to polynucleotides-Probes and drugs
- ** R01CA-15858-01 Control of growth of malignant cells by serum factors (mouse fibroblast)
- R01CA-15891-01 Mechanism of lysozyme action on mammalian cells (human, chicken)
- ** R01CA-15895-01 Neoplastic and normal lymphocytes-Membrane structure
- R01CA-15905-01 Ribosomal RNA synthesis in normal and cancer cells
- ** R01CA-15926-01 Immune reagents for tumor research and immunotherapy (mice)
- R01CA-15928-01 Pathophysiology of Hodgkin's disease (human)
- P01CA-15936-01 0001 Specialized Cancer Center - Preclinical chemotherapy (mammals, human)
- ** R01CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)
- ** R01CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)
- R01CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
- ** R01CA-15997-01 Spin-labeling receptors on normal and malignant cells
- R01CA-16032-01 Binding site mutants of mouse plasmacytomas
- R01CA-16178-01 In vitro thermal enhancement of radiosensitivity
- R01CA-16206-01 Ricin-A plant agglutinin with antitumor properties
- ** P01CA-16228-01 0002 Cell membrane in proliferation and oncogenesis - Glycosylated macromolecules and cell proliferation (mice)
- ** P01CA-16228-01 0005 Cell membrane in proliferation and oncogenesis - Antigen binding and triggering on lymphocyte membranes (human, mice)
- ** P01CA-16228-01 0006 Cell membrane in proliferation and oncogenesis - Transport systems and regulation of growth (mice, rats)
- ** P01CA-16228-01 0009 Cell membrane in proliferation and oncogenesis - Cell junction formation and role in cell proliferation (rats)
- ** R01CA-16231-01 Role of proteolysis in malignant growth (human, rodents, viruses)
- R01CA-16253-01 Respiratory inhibitors as antineoplastic agents
- ** R01CA-16271-01 Antibody, lymphoid and tumor cell interaction (mice)
- ** R01CA-16278-01 Characterization of fetal antigens in tumors (hamsters, mice)
- ** R01CA-16279-01 Cyclic AMP levels in tumor cells (mice)
- M R01CA-16301-01 What distinguishes water in cancer and normal tissues?
- ** R01CA-16301-01 0001 What distinguishes water in cancer and normal tissues? - Influence of extracellular water on NMR signals (mice)
- ** R01CA-16301-01 0002 What distinguishes water in cancer and normal tissues? - Thermal extension of water at near zero degrees (mice, rats)
- ** R01CA-16301-01 0003 What distinguishes water in cancer and normal tissues? - Distribution of non-metabolizable sugars (chicks, rabbit, frog, human)
- R01CA-16318-01 Molecular mechanisms in resistance to folate analogues (mice)
- P01CA-16359-01 0039 Cancer center support grant - Modification of lymphocyte surface membrane (mice)
- R26CA-16371-01 Evaluation stimulation of colon cancer (human)
- ** R26CA-16373-01 Tissue culture of colon cancer-Human immunity (also mice)
- ** R01CA-16377-01 Ultrastructure of experimental tumor cell surface (rats, mice)
- R01CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- ** R01CA-16425-01 Colchicine derivatives as antitumor agents (mice)
- ** R26CA-16763-01 Antitumor agents on human colon carcinoma cells
- ** R13CA-16821-01 1975 Annual Symposium of fundamental cancer research
- R01CA-16914-01 RNA modifying enzymes in normal and neoplastic cells (rats, yeast)
- ** R01CA-16961-01 Membrane biosynthesis in normal and neoplastic cells (mouse myeloma)
- ** R01CA-17049-01 Recognition of tumor cells by T lymphocytes (mice, chickens)
- N01CB-23227-03 Measurement of immunological reactivity to human cancer
- ** N01CB-23866-03 The in vitro cell and mammary cancer (human, rats)
- N01CB-33859-01 Purified cells and antibodies in cell mediated lysis (chick, human, mice)
- ** N01CB-43854-00 Isolation and tissue culture of human tumor cells
- ** N01CB-43858-00 Mature of interactions between tumor cells and immunoglobins
- N01CB-43893-00 Migration inhibition assays (mice, human)
- ** N01CB-43906-00 Growth alteration of mammary neoplastic cells (human, animals)
- N01CB-43922-00 Organization and dynamics of cell surface membrane components
- N01CB-43931-00 Nature and function of immune-related cells in tumor masses (mice)
- ** N01CB-43933-00 Sensitization of human lymphocytes
- ** N01CB-43937-00 Vaginal-cervical cell sample sources for cytology automation
- ** N01CB-43978-00 NMR studies in neoplastic and non-neoplastic tissues
- ** N01CB-43979-00 NMR studies in neoplastic and non-neoplastic tissues
- ** N01CB-43985-00 Normal and tumor cell surface antigens
- ** N01CB-43986-00 Biochemistry of normal and tumor cell surface antigens
- ** N01CB-92176-09 Hypersensitivity to antigens on malignant and non-malignant cells (human)
- N01CM-02271-06 Human hematopoietic tissue culture cell lines
- N01CM-12340-07 Develop new approaches to cancer chemotherapy (human)
- N01CM-22044-03 Improving radioautographic emulsions and processing methods (mammals)
- N01CM-23717-02 Chemotherapeutic response of tumors and the granulocyte system (mammals nonhuman)
- N01CM-43702-00 Canine bone marrow transplantation and immunotherapy studies
- ** N01CM-43718-00 Development of an in vivo method for the precise enumeration of tumor cells
- N01CP-02068-09 Viruses and chemicals in the etiology of cancer (rodents, dogs, cats, human)
- ** N01CP-33201-01 Maintenance of low-temperature repository for cell lines from human tumors
- N01CP-33224-01 Collection of human specimens for virologic and immunologic studies
- ** N01CP-33308-02 Expression of the RNA tumor virus genome in malignant cells (human, mammals)
- ** N01CP-33333-02 Identification of cancer cell in vitro
- ** N01CP-33405-01 Carcinogenesis and control of the cell cycle
- ** N01CP-43238-00 Selection and propagation of haploid and partial monosomic cell lines (mice)
- ** N01CP-43355-00 Conduct studies of nonsense suppressor of 3T3 cells (mice)
- N01CP-43381-00 Isolation of human oncoviral viruses (tissue culture)
- ** P13DE-02731-08 0004 Development support for dental research institute - Dental pharmacology (human, rats, mice)
- R01GM-14013-06 Structure of carbohydrate prosthetic groups (rats)
- P01GM-15003-13 0006 The biological functions of metals - Metallothionein (human, rats, rabbits, monkeys, dogs)
- R01GM-17239-05 Control of gene expression in mammalian cells (rats)
- R01GM-18006-03 Membranes of bacteria and tumor cells (E coli)
- P01GM-18153-04 0013 Gene control of mammalian cell differentiation - Chromosomes of formation of soluble blood group substances (human, horses)
- R01GM-18974-03 Biochemistry and function of intercellular junctions (mice)
- R01GM-19079-03 0007 One MEV scanning transmission electron microscope - Distribution of specific functional sites on the surface of mammalian cells
- P01GM-19100-03 0012 Genetics research center - Attempts to correct genetic defects in somatic cells (human, mice)
- ** R01GM-19198-01 Active transport mechanisms in normal and tumor cells (bacteria, cell lines)
- R01GM-19494-03 Molecular basis of gene expression in eukaryotes (viruses, cattle)
- P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- P01GM-19513-03 0019 Human genetics - Nature of germinal and somatic mutations in cancer
- P01GM-19527-03 0003 Human genetics - Genetic regulation of mammalian purine metabolism
- ** R01GM-19871-02 Gene-Enzyme control in normal and cancer cells (mammals, microorganisms)
- R01GM-20101-03 Growth control by serum factors in liver cells (rats)
- R01GM-20111-02 Role of transfer RNA in the control of cell division (rats)
- ** R01GM-20113-01 Structure and function in low resistance junctions (crayfish, rats, mice)
- R01GM-20272-02 Attachment of ribosomes to microsomal membranes (rats)
- R01GM-20306-02 Molecular biology of cellular interactions
- ** R01GM-20396-02 Organization of normal and transformed cell membranes
- R01GM-20866-01 Regulation of intra and intercellular communication
- ** R01GM-21151-01 Recognition of normal and neoplastic (tRNA by ribosomes (rats, yeast, E coli)
- P01HD-02080-09 Cell biology of developmental anomalies (human, mammals nonhuman)
- R01HD-04699-05 Temporal order and aging in cultured somatic cells (rats, hamster)
- R01HD-05506-04 Hormonal regulation of growth and differentiation (rats, human)
- P01HD-05797-04 0020 Population and reproductive biology - Macromolecular conformation in collagen (human, mice)
- P01HD-05797-04 0035 Population and reproductive biology - Reproductive genetics (human, rabbits, mice)
- R01HD-06737-03 Antigenicity of the mouse ovum and early embryo
- R01HD-07478-02 Effect of rat alpha-2 macroglobulin on cell adhesion (rats, chick embryo)
- P01HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)
- P01HD-07495-02 0023 Center for population research, studies in reproductive biology - Cell hybridization (human, mice)
- R01HL-15226-02 Interaction of cells with polymerizing fibrin (human, pigs, rabbits)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-15619-02 Regulation of prothrombin synthesis in cultured cells (human, rats)
- ** P01NS-10293-03 0026 Biophysical and biochemical studies of cellular membranes - EM of membrane contract between killer lymphocytes and target tumor cells
- ** M01NS-22330-02 Effects of lipids on human and bacterial cells
- ** P07RR-00273-09 0017 Mass spectrometric facility for biomedical research - Biochemical roles of lipids in normal and malignant tissue (E coli, cattle)
- ** M01RR-00334-08 0014 General clinical research center - Effect of hormones on estrogen receptor activity in tissue culture (human)
- ** M01RR-00400-06 0056 General clinical research center - Immunotherapy of human malignancy

NEOPLASTIC CELLS, CIRCULATING

- R01CA-12456-04 Analysis of the mechanisms of cancer metastasis (mice, dogs)

NEOPLASTIC CELLS, HELA CELLS

- R01AI-00957-19 RNA function in viral infected and uninfected cells
- ** P01AM-07462-11 0054 Hormonal regulation of metabolism - Cyclic AMP in HeLa cells
- R01AM-12104-07 Regulation of coenzymes in biological systems (bacteria, rats, HeLa cells)
- R01AM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)
- R01CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- R01CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)
- ** R01CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
- P02CA-06518-11 0019 Radiation and radiobiology research center - In vitro studies on hyperthermia and radiation (human)
- ** P02CA-06519-12 0063 Radiation therapy and biology research program - Oxygen tension and tumor radiosensitivity
- R01CA-06833-11 Factors influencing lymphoma cells (mice)
- P01CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
- ** R01CA-08000-10 Protein biosynthesis (rabbits, tunicates, HeLa cells)
- R01CA-08315-10 Steroid induced changes in cultured malignant cells
- ** R01CA-08373-09 Factors controlling cellular proliferation (mice)
- P01CA-08748-09 5514 Research program of Sloan-Kettering Institute - Effect of neutrons on hypoxic HeLa cells
- P01CA-08748-09 5515 Research program of Sloan-Kettering Institute - Effect of chloroquine on radiation repair in tumor cells (human, mice)
- P01CA-08748-09 5548 Research program of Sloan-Kettering Institute - Effect of californium-252 neutrons on hypoxic HeLa cells (human)
- P01CA-08748-09 5551 Research program of Sloan-Kettering Institute - Characterization of chronically hypoxic cells (HeLa cells)
- P01CA-08748-09 7502 Research program of Sloan-Kettering Institute - Intracellular oxygen diffusion in irradiated cells (human)
- P01CA-08748-09 7512 Research program of Sloan-Kettering Institute - Recovery from sub-lethal radiation damage (HeLa cells)
- R01CA-10052-09 Cartilage and bone formation induced by FL cells (mice, rats, chick embryo)
- R01CA-10337-08 Spin labeling and membrane structure
- R01CA-10628-07 Structure and function of ribosomes (mammals, yeast)
- ** R01CA-10993-06 Processing of ribosomal RNA in human cancer (HeLa cells)
- R01CA-11050-07 0008 Molecular pharmacology of the cell cycle - Continuous tissue culture lines (hamster)
- R01CA-11463-05 Regulation of histone biosynthesis in heteroploid cells (HeLa cells)
- R01CA-11637-04 DNA replication in normal and tumor cells (rats)
- R01CA-12113-04 Genetics of X chromosomes and malignant hybridization (humans)
- P01CA-12174-04 0016 Growth and cell control processes - Structure of replication forks (human, Drosophila, slime molds)
- ** P01CA-12174-04 0021 Growth and cell control processes - Products of nuclear RNA polymerases in HeLa cells (human)
- P01CA-12174-04 0022 Growth and cell control processes - Messenger RNA metabolism (human, animals)
- ** P01CA-12174-04 0024 Growth and cell control processes - Adenovirus metabolism (human)
- ** P01CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)
- P01CA-12227-04 0004 Core program in carcinogenesis - HeLa S-3 cell histone messenger RNA

- P01CA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
- P01CA-12227-04 0019 Core program in carcinogenesis - Metabolism of nuclear proteins in dividing cells (human, mice)
- ** R01CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
- R01CA-12668-03 Pathology of the nucleus and chromosomes in cancer (human)
- ** P01CA-12708-03 0006 Studies of normal and malignant growth - Regulation of DNA synthesis in normal and cancer cells (human, rats)
- ** P01CA-12708-03 0010 Studies of normal and malignant growth - Chromatin structure in eukaryotic cells (human)
- P01CA-12708-03 0012 Studies of normal and malignant growth - Molecular mechanisms of movement in non-muscle (human tissue culture)
- P01CA-12923-02 0009 A correlated study on the biology of neoplasia - Time sequence of nuclear pore formation in HeLa cell cycle
- ** P02CA-13053-03 0043 Clinical cancer radiation therapy research center - Use of in vitro colonies as a model for solid tumors (human, mice, hamsters)
- P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
- R01CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)
- R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
- P01CA-13330-03 0023 Cancer research program - Virus-host cell interaction
- P01CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)
- P01CA-13330-03 0030 Cancer research program - Biochemical cytology of normal and malignant cells (human, animals)
- P01CA-13330-03 0031 Cancer research program - Diploid cell aging and transformation in culture (human, chick embryo)
- P01CA-13330-03 0037 Cancer research program - Cell structure and metabolism (human, tissue culture)
- P01CA-13330-03 0041 Cancer research program - Adenovirus DNA and protein synthesis (human)
- P01CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
- P01CA-13330-03 0048 Cancer research program - Biochemical pharmacology of anti-tumor drugs
- P01CA-13330-03 0054 Cancer research program - Role of RNA-DNA hybrids in DNA synthesis and repair (human)
- P01CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)
- R01CA-13533-03 Ectopic placental proteins in cancer (human)
- R01CA-13638-03 Cyclic nucleotides in HeLa cell growth
- R01CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
- R01CA-14675-02 Mitosis in normal and neoplastic cells (human, rodents, birds, insects)
- P01CA-14733-02 0006 Control of gene expression, virus replication and cell growth - Measurements of the secondary structure of RNA
- R01CA-15923-01 Nonhistone proteins of reactivated erythrocyte nuclei (chick, HeLa cells)
- P01CA-16247-01 0006 Immunologic aspects of cancer - Transfer factor and other potential mediators of tumor immunity (human, mice)
- R01CA-16309-01 Carcino fetal isoferritins (human)
- R01GM-14582-08 Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters)
- P01GM-15253-08 0035 Genetics in medicine - Gene action in man - Possible variation in normal cell strains to overgrowth by malignant cell lines
- P07RR-00273-09 0009 Mass spectrometric facility for biomedical research - Effect of valine deprivation on the small molecule metabolism of HeLa cells

NEOPLASTIC CELLS, HTC CELLS

- P01CA-14599-01 0013 University of Chicago Cancer Research Center - Ribonucleoprotein complexes in cell nuclei (mice)

NEOPLASTIC CELLS, KB CELLS

- R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
- P01CA-12708-03 0005 Studies of normal and malignant growth - Effect of nitrosourea derivatives on DNA polymerases in rat liver
- ** P01CA-12708-03 0006 Studies of normal and malignant growth - Regulation of DNA synthesis in normal and cancer cells (human, rats)
- R01CA-12765-03 Role of nuclear proteins in the neoplastic process (mice, rats)
- P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
- P01CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)

- P01CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
- R01CA-13533-03 Ectopic placental proteins in cancer (human)
- R01CA-13992-02 0094 Surface membranes of normal and cancer cells - When and where is the fucose-sialyl glycoprotein made
- P01CA-15655-01 0007 Cancer center support grant - Chemotherapy of Rauscher leukemia and transplanted tumors (mice)
- R01GM-13434-09 Transcription and translation in mammalian cells

NEOPLASTIC CELLS, L CELLS

- ** R01AI-01594-18 The psittacosis group of organisms
- ** R01AI-02032-17 Nucleic acids of herpesvirus infected cells (hamsters)
- R01AI-06264-10 Cellular resistance to virus infections
- R01AI-08697-06 The role of mononuclear leucocytes in viral immunity (human, mice, rabbits)
- ** P01CA-06927-12 0023 Biological and biochemical program in cancer research - Relationship of ribosomes to protein biosynthesis
- R01CA-10641-00 RNA synthesis in animal cells infected with ME virus
- ** P01CA-10815-06 0049 Consolidated basic cancer research program - Macromolecular synthesis as a function of nutrient levels (human)
- P01CA-10815-06 0050 Consolidated basic cancer research program - Protein initiation in reovirus mRNA (human cells)
- ** P01CA-10815-06 0063 Consolidated basic cancer research program - Properties of macrophage growth factor derived from L cells (human)
- P01CA-10815-06 0066 Consolidated basic cancer research program - Enzymatic reduction of cholesterol precursors (human, mouse cells)
- P01CA-10815-06 0068 Consolidated basic cancer research program - Role of sterols in membrane synthesis of RNA viruses
- P02CA-13053-03 0036 Clinical cancer radiation therapy research center - Serum levels of anticancer agents (mice)
- ** P02CA-13053-03 0043 Clinical cancer radiation therapy research center - Use of in vitro colonies as a model for solid tumors (human, mice, hamsters)
- P02CA-13053-03 0083 Clinical cancer radiation therapy research center - Effects of anticancer agents on synchronized mammalian cells
- P01CA-13330-03 0040 Cancer research program - Reovirus and friend leukemia (mice, rats)
- R01CA-13992-02 0008 Surface membranes of normal and cancer cells - Sialic acid from glycolipids (L cells)
- R01CA-13992-02 0009 Surface membranes of normal and cancer cells - Phagocytosis (L cells)
- R01CA-14396-02 Repair of DNA crosslinks in bacteria and animal cells
- P01CA-14733-02 0015 Control of gene expression, virus replication and cell growth - Protein synthesis in virus-infected cells (human)
- P01CA-14733-02 0016 Control of gene expression, virus replication and cell growth - Mengovirus proteins from large precursor polypeptides (human)
- P01CA-14733-02 0022 Control of gene expression, virus replication and cell growth - Mechanisms of interferon action and viral protein synthesis
- P01CA-16038-01 0005 Program on the molecular basis of viral transformation - Isolation and purification of interferon (mice)
- P11GM-15759-08 0036 Clinical pharmacology in rheumatic and muscular diseases - Cytotoxin production and its inhibition by drugs (human, rats)
- R01GM-20767-01 Messenger RNA end and differentiation of animal cells (mice, sea urchins)
- R01HD-06390-03 Role of the cell surface in cancer and embryology (human, chick embryo, mice)
- R01HL-09103-10 Sterol metabolism in tissue culture cells (human, rabbits)

NEOPLASTIC CELLS, WISH CELLS

- R01CA-10619-06 Synchronized cells - Controls in growth and division (hamsters)
- P01CA-10815-06 0060 Consolidated basic cancer research program - Production of abnormal proteins in hybrid cells (human, mice)
- P01CA-12227-04 0003 Core program in carcinogenesis - Cellular proliferation in mammalian cells
- P01CA-12227-04 0025 Core program in carcinogenesis - Inhibition of RNA synthesis by ethionine in rat liver (also human)

NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

- R01CA-05096-13 Programme of the International Union Against Cancer
- ** P02CA-05837-12 0004 Cancer clinical research - Epidemiologic oncology (human)
- P02CA-05838-13 0023 Clinical radiotherapy cancer research center - Hodgkin's disease
- ** P02CA-06516-12 0012 Cancer center support grant - Comprehensive - Cancer epidemiology

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**Ortinal significance to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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- ** P02CA-06973-12 0031 Integrated clinical cancer research program 2 Epidemiology and statistics
 P01CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)
 P01CA-10896-03 Exploratory studies in cancer research (human, laboratory animals)
 ** P01CA-11428-04 Epidemiology of cancer (human)
 ** P01CA-11489-05 Program of epidemiological research in cancer
 P02CA-12247-03 0001 Pediatric oncology center - Epidemiology
 P02CA-12247-03 0014 Pediatric oncology center - Pediatric medical records automation
 ** P02CA-12247-03 0020 Pediatric oncology center - HLA antigens in acute leukemia (human)
 R10CA-12483-04 Gynecologic oncology group
 ** P01CA-12707-03 Cancer epidemiology program grant
 P01CA-12707-03 0001 Cancer epidemiology program grant - Prostate cancer (human)
 M P01CA-13343-02 Environmental cancer
 ** P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
 R01CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
 ** R01CA-13675-01 Determinants of fatal skin tumors (human)
 P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
 ** R26CA-13859-03 Administration of the National Bladder Cancer Project
 P01CA-14093-02 Exploratory studies in cancer research
 P01CA-14131-02 Exploratory studies in cancer research (human)
 R01CA-14189-02 Bronchogenic carcinoma—Early detection and etiology (human)
 P01CA-14499-02 Exploratory studies in cancer research (human)
 M P01CA-14536-01 Cancer Institute core proposal
 P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
 ** R01CA-14703-01 Epidemiology of cancer in Adventists—A low risk group (human)
 R01CA-14705-01 Radioiodine uptake and imaging in the human breast
 ** R26CA-14716-02 National prostatic cancer project
 P01CA-14878-01 Exploratory studies in cancer research
 R26CA-14925-02 Families at high risk of colorectal cancer
 ** R01CA-14941-01 Epidemiologic study of primary cancer of the ovary (human)
 R01CA-14955-02 Follow-up study of thorotrast patients
 ** R26CA-14976-01 Cancer of the colon and rectum in Puerto Rico (human)
 P01CA-15065-01 Planning for an Oregon cancer center program
 R26CA-15429-01 Detection of early colon cancer (human)
 ** R26CA-15448-01 Characterization of prostatic carcinoma among blacks
 M P01CA-15655-01 Cancer center support grant
 ** P01CA-15655-01 0005 Cancer center support grant - Virus etiology in neoplasms in ethnic in Hawaii
 ** P01CA-15655-01 0006 Cancer center support grant - Relationship between frequency of antibody and cancer (human)
 P01CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)
 ** P01CA-15655-01 0033 Cancer center support grant - Cytogenetic screening—Hematologic disorders (human)
 P01CA-15655-01 0034 Cancer center support grant - Cytogenetic screening—Endometrial disorders (human)
 P01CA-15655-01 0038 Cancer center support grant - Immunodiagnosis and immunotherapy of cancer (human)
 ** R01CA-15686-01 Cancer epidemiology—Statistical methods (human)
 ** P01CA-15820-01 0009 Comparative Oncology Research Program - Epidemiology
 ** R26CA-15933-01 Primary urinary bladder neoplasms (human)
 ** P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
 R26CA-16276-01 National program for pancreatic cancer
 P01CA-16359-01 0056 Cancer center support grant - Cohort mortality with emphasis in cancer mortality
 ** P01CA-16359-01 0057 Cancer center support grant - Epidemiology of esophagus and kidney cancer
 ** R26CA-16382-01 Metabolic epidemiology of colon cancer (human)
 R18CA-16400-01 0001 Cancer control development grant - Screening (human)
 ** R18CA-16400-01 0004 Cancer control development grant - Epidemiology (human)
 R18CA-16401-01 0006 University of Chicago cancer control center - Prototype clinical data center program in cancer control
 R18CA-16402-01 0001 Cancer control development grant - Model referral system for cancer therapy (adults, children)
 R18CA-16404-01 0004 Cancer control development grant - Biostatistics-epidemiology cancer surveillance system
 ** R18CA-16405-01 0005 Development of regional cancer control program - WCCC regional program facilities and communication network
 R18CA-16408-01 Cancer control development grant - Evaluation of impact of cancer control programs
 R26CA-16436-01 National head and neck cancer project
 R26CA-16768-01 International bladder cancer study—Planning phase (human)
 ** N01CB-22000-07 Detection and localization of bronchogenic carcinoma
 ** N01CB-33885-01 Overweight in breast cancer epidemiology (human)
 N01CB-33921-01 Chronic mastopathy and breast cancer
 N01CB-43869-00 Mass screening for breast cancer (human)
 ** N01CB-43939-00 Aryl hydrocarbon and 16 α hydroxylase in high and low risk breast cancer (human)
 ** N01CB-44004-00 Genetic polymorphism in high and low risk breast cancer families
 N01CN-35004-02 Demonstration project on earlier detection of breast cancer
 N01CN-35012-04 Demonstration project on earlier detection of breast cancer (human)
 N01CN-45007-01 Effect of early detection and treatment on survival from lung cancer
 N01CN-45037-00 Lung cancer control—Detection and therapy
 N01CN-45046-00 Breast cancer detection demonstration project (human)
 N01CN-45047-00 Breast cancer detection demonstration project (human)
 N01CN-45059-00 A critical evaluation of mass screening for uterine cancer (human)
 N01CN-45062-00 Early detection of breast cancer (human)
 N01CN-45064-00 Breast cancer detection demonstration project (human)
 N01CN-45067-00 Breast cancer detection demonstration project
 N01CN-45068-00 Breast cancer detection demonstration project (human)
 ** N01CA-45092-01 Genital tract anomalies and cancer in offspring exposed in utero to estrogens
 ** N01CN-45157-00 Genital tract anomalies in humans exposed in utero to synthetic estrogens
 ** N01CO-45425-01 Resources analysis and planning for NCP
 ** N01CP-23213-03 Shifts in cancer risks among Japanese migrants
 N01CP-33215-01 Epidemiologic study of colon cancer in blacks
 ** N01CP-33216-01 Japan-Hawaii cancer study
 N01CP-33235-02 Establish Connecticut cancer epidemiology program
 ** N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
 ** N01CP-33290-01 Immunologic and epidemiologic studies on Japanese patients with cancer
 ** N01CP-33326-03 Epidemiology and etiology of breast cancer
 N01CP-33344-03 Develop population based cancer registry
 N01CP-43202-00 Atomic bomb casualty commission study
 N01CP-43203-00 Cancer end results evaluation
 N01CP-43211-02 Viruses, genetics and immunity in the etiology of human cancer
 ** N01CP-43264-00 Detroit SSMA population-based cancer registry
 N01CP-43278-00 Study of value of mammography
 N01CP-43282-00 Incidence of colon cancer among blacks, Spanish Americans and whites
 ** N01CP-43264-00 Incidence of esophageal cancer in specific geographic regions
 ** N01CP-43292-00 International investigation on the epidemiology of lymphomas
 N01CP-43296-00 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
 ** N01CP-43301-00 Epidemiology of cancer—Current awareness system
 N01CP-43321-00 Epidemiology of childhood cancer
 ** N01CP-43336-00 epidemiologic studies in etiology of cancer in veterans
 ** N01CP-43342-00 Etiology of esophageal cancer in the Caspian Littoral of Iran
 N01CP-43379-00 Cervical neoplasia and human herpes simplex virus type 2
 ** N01CP-43382-00 Epidemiological investigation of cancer in Utah
 ** N01CP-43386-00 Cancer survey in the Puerto Rico area
 ** N01CP-43396-00 A review of skin cancer statistics
 ** N01CP-81030-11 Etiology and epidemiology of human cancer
 ** P10ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
 P10ES-00260-12 0022 Research in the environmental health sciences - Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether
 ** P10ES-00260-12 0029 Research in the environmental health sciences - Breast cancer after postpartum mastitis
 ** P01HD-07256-03 0010 Child health and development studies - Morbidity in childhood (human)
 N01HD-42850-01 Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human)
 ** N01INS-42336-00 Incidence, prevalence and costs of intracranial neoplasms
 ** M01RR-00059-13 0127 General clinical research center - Pathophysiology of human breast cancer epidemiology
 M01RR-00073-12 0024 General clinical research center - Families with multiple endocrine adenomatosis
 ** M01RR-00076-12 0090 General clinical research center - Case control study of laryngeal cancer (human)
 ** P07RR-00259-08 0092 Computational research center program - Statistical research (human)
 ** M01RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)
 NEOPLASTIC GROWTH
 ** P02AI-06320-10 0010 Transplantation immunology center - Splenic influence in tumor immunity (mice)
 ** R01AM-00567-21 Regulation of tyrosine and tryptophan metabolism (rats, human)
 R01AM-11234-07 Genetics of murine plasmacytomas and autoimmunity
 R01AM-11670-06 Serum factor in compensatory renal growth (human, rats, monkeys)
 R01AM-12708-05 Histidine biosynthesis in animal development (human, mammals, chickens)
 R01AM-12950-06 Electron microscopic studies of parietal cells (rats)
 R01AM-17415-01 Regulation of supply of utilizable perines by liver (rabbits, rats E coli K12)
 ** R01CA-01393-24 Patterns of steroid metabolism in cancer (human, mice)
 ** R01CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)
 M P01CA-02332-20 Clinical and laboratory studies of normal and abnormal growth
 ** R01CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
 R01CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)
 ** R01CA-05197-15 Endocrine factors influencing tumor growth in man
 P01CA-05388-15 0002 Biology of mammary neoplasia - Non-viral mammary cancer (mice)
 ** R01CA-05671-14 0011 Glucocorticoid receptors in normal and malignant tissue - Cyclic AMP (rats)
 R01CA-05790-13 Cytology of viral neoplasms in fish
 P02CA-05826-13 0042 Clinical cancer research center - Medical and metabolic studies-nutritional problems
 P02CA-05826-13 0054 Clinical cancer research center - Oral phosphate administration for altered calcium metabolism (human)
 ** P02CA-05826-13 0073 Clinical cancer research center - Kinetic behavior of brain tumor cells (human)
 P02CA-05826-13 0075 Clinical cancer research center - Radiation therapy versus surgery for cord compression (human)
 P02CA-05826-13 0085 Clinical cancer research center - Endocrine profile in prostatic cancer (human)
 P02CA-05831-13 0029 Cancer clinical research - Cellular chemotherapy and kinetics (human)
 R01CA-05949-13 Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice)
 ** R01CA-06833-11 Factors influencing lymphoma cells (mice)
 ** P01CA-06927-12 0008 Biological and biochemical program in cancer research - Relationship of acid-fast organisms to growth of experimental tumors (human, mic)
 ** P01CA-06927-12 0024 Biological and biochemical program in cancer research - Tumor cell antigenicity and resistance to carcinogens (mice, monkeys)
 ** P01CA-06927-12 0030 Biological and biochemical program in cancer research - Factors involved in spontaneous tumors (mice)
 ** P01CA-06927-12 0031 Biological and biochemical program in cancer research - Regulation of intermediary metabolism in neoplastic cells (mice)
 P02CA-06973-12 0012 Integrated clinical cancer research program - Cell biology—Kinetics of transplanted cells (mice)
 ** P02CA-06973-12 0022 Integrated clinical cancer research program - Neoplasia—Clonal proliferation or recruitment (human, mice)
 P02CA-07177-11 0007 Clinical cancer research center - Hormonal requirements for breast tumor growth in organ culture (human)
 R01CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
 ** P01CA-07368-11 0005 Interrelationships of normal and cancer cells - Cell membrane and junction studies (human)
 ** R01CA-08676-10 Regulation of mammalian enzyme synthesis (rats)
 ** P01CA-08748-09 5409 Research program of Sloan-Kettering Institute - Effect of adrenergic agonists on growth and DNA synthesis in taper liver (mice)
 P01CA-08748-09 5543 Research program of Sloan-Kettering Institute - Localization of gallium-67 citrate in tissues (human)
 ** P01CA-08748-09 5614 Research program of Sloan-Kettering Institute - Growth kinetics in murine gliomas relating to drug dosage
 P01CA-08748-09 5616 Research program of Sloan-Kettering Institute - Uptake of drugs in brain tumors in mice

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-08748-09 5638 Research program of Sloan-Kettering Institute - Effect of calcitonin on hypercalcemia of cancer patients
- ** PO1CA-08748-09 5639 Research program of Sloan-Kettering Institute - Resistance to intracerebral inoculation of cancer cells (mice)
- PO1CA-08748-09 5706 Research program of Sloan-Kettering Institute - Dissociation of rat liver ribosomes
- PO1CA-08748-09 5739 Research program of Sloan-Kettering Institute - Glycogen sparing effect in slow growing hepatomas in rats
- PO1CA-08748-09 5802 Research program of Sloan-Kettering Institute - Thymidine kinase in DNA synthesis of malignancy (human, rats)
- PO1CA-08748-09 6208 Research program of Sloan-Kettering Institute - Proliferation of human lymphoblastoid cells related to therapy
- ** PO1CA-06748-09 6212 Research program of Sloan-Kettering Institute - Proliferation of leukemic cells in cerebrospinal fluid of man
- PO1CA-08748-09 7414 Research program of Sloan-Kettering Institute - Reduced oncogenic potential associated with acquired drug resistance (mice)
- ** PO1CA-08748-09 7415 Research program of Sloan-Kettering Institute - Distribution of leukemic cells and effect of antifolate therapy (mice)
- ** PO1CA-08748-09 7609 Research program of Sloan-Kettering Institute - Culturability of cells treated in vivo with carcinogens (rats)
- ** PO1CA-08748-09 7706 Research program of Sloan-Kettering Institute - Reversal of abnormal growth patterns in tumors (mice)
- ** PO1CA-08748-09 7804 Research program of Sloan-Kettering Institute - Resistance to cancer and delayed hypersensitivity (human)
- PO1CA-08748-09 7808 Research program of Sloan-Kettering Institute - Carcinoembryonic antigen in blood of cancer patients
- P02CA-08632-08 0094 An integrated study of advanced malignant diseases - Synchronous growth of two transplanted tumors in mice
- ** Y01CA-10005-00 Chemical profile of body fluids (human)
- RO1CA-10052-09 Cartilage and bone formation induced by FL cells (mice, rats, chick embryo)
- ** RO1CA-10064-12 Hormonally sensitive tumors (mice, rats)
- RO1CA-10129-08 Immunological enhancement of sarcoma I tumor cells (mice)
- ** P02CA-10438-08 0026 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (also human, tissue culture)
- ** RO1CA-10537-05 RES function, tumor induction and growth (mice)
- PO1CA-10748-07 0004 Cancer chemotherapy program - GAMP in neural tumors (tissue culture)
- ** RO1CA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
- RO1CA-10810-07 Statistical models of biomedical phenomena
- ** PO1CA-10815-06 0020 Consolidated basic cancer research program - Enhancement of lymphoblast tumor growth in DBA/2 mice
- ** PO1CA-10815-06 0064 Consolidated basic cancer research program - Tumor promoters effect on normal and transformed cells (human)
- ** PO1CA-10815-06 0069 Consolidated basic cancer research program - Senescence and transformation in steroid-influenced cell growth (cell culture)
- RO1CA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)
- P02CA-11051-06 0047 Clinical radiation research center - Radiation pathology-Vasculature in cheek pouch chamber (hamsters)
- P02CA-11067-05 0005 Clinical cancer research center - Renal tubular function (human)
- ** P02CA-11067-05 0018 Clinical cancer research center - Kinetics of monoclonal neoplasia-multiple myeloma (human)
- RO1CA-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
- RO1CA-11113-06 Tumor inhibitory enzymes (human, mice, guinea pigs)
- ** RO1CA-11176-06 Factors required for mammalian cell division
- RO1CA-11189-05 Cell kinetics of human tumors (human, rats)
- RO1CA-11322-06 Nucleic acid function in relation to cancer (E. coli, animals)
- ** PO1CA-11428-04 Epidemiology of cancer (human)
- RO1CA-11446-06 Tryptophan hematology and neoplastic disease (human, mice, brown recluse spider)
- ** RO1CA-11472-04 Hemopoietic control mechanisms (mice)
- ** PO1CA-11491-05 0001 Irradiation and tissue-localization response - Relationship of interferon induction to growth and metastases (rats, mice)
- PO1CA-11491-05 0002 Irradiation and tissue-localization response - Anticalcification and hyaluronidase (mammals nonhuman)
- RO1CA-11526-05 The tumor-inducing substance of *Agrobacterium tumefaciens*
- ** RO1CA-11637-04 DNA replication in normal and tumor cells (rats)
- ** RO1CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- P02CA-11911-04 0017 Clinical cancer center - Carcinoma of the prostate
- RO1CA-11978-04 Role of vitamin B12 in deoxyribothymidine biosynthesis (viruses, bacteria, rats)
- PO1CA-12093-04 0004 Immunobiology of cancer - Immunological enhancement and tolerance (mice)
- PO1CA-12093-04 0008 Immunobiology of cancer - Tumor immunology (mice, hamsters)
- RO1CA-12124-02 The optimization of drug treatment schedules (human)
- ** P02CA-12197-03 0001 Multidisciplinary oncology research center - Ultrasonic effects upon normal and neoplastic tissue (mammals nonhuman)
- ** P02CA-12197-03 0024 Multidisciplinary oncology research center - Effects of oxygen tension and ultrasound on oxidative metabolism (rats)
- ** RO1CA-12226-04 Studies on protein methylation in neoplastic tissues (rats, frogs)
- ** PO1CA-12227-04 0011 Core program in carcinogenesis - Methylation and acetylation of nuclear proteins (frogs)
- P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- P02CA-12247-03 0033 Pediatric oncology center - Growth regulation of neuroblastoma cells (human, mice)
- PO1CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- ** RO1CA-12563-04 Mechanisms of enzyme induction by cyclic nucleotides (rats)
- ** RO1CA-12600-04 Incorporation of BUdR into DNA and neoplastic growth (Drosophila)
- ** RO1CA-12689-03 Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, human)
- RO1CA-12758-02 Modification of tumor growth in hepatomas by radiation (rats)
- ** RO1CA-12781-03 Brain tumor culture, electron microscopy and polyamines (human)
- ** RO1CA-12788-03 Immunogenetic mechanisms and cancer in congenic mice
- ** RO1CA-12870-04 Pathological cells from human tumors
- ** RO1CA-12907-03 NAD regulation of neoplastic growth (rats)
- ** PO1CA-12923-02 0020 A correlated study on the biology of neoplasia - Cellular populations evolving in neoplastic progression (human)
- ** RO1CA-12967-02 Serum and cancer growth factors (rats, mice)
- RO1CA-13041-02 Lymphocyte metabolism in cancer patients
- ** RO1CA-13047-03 Control mechanisms of differentiation and malignancy
- ** P02CA-13053-03 0032 Clinical cancer radiation therapy research center - Effect of antineoplastic agents on murine lymphosarcoma GC3HED
- P02CA-13053-03 0041 Clinical cancer radiation therapy research center - Mathematical modelling in malignant diseases (mice)
- P02CA-13053-03 0086 Clinical cancer radiation therapy research center - Combined effects of amphotericin B and BCNU in leukemic mice
- ** PO1CA-13095-03 0003 Virology, immunobiology and biochemistry of renal cancer - Biochemistry (human)
- RO1CA-13107-03 Macroregulation-A model for cancer (Neurospora)
- RO1CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- RO1CA-13259-02 Enzyme injections and tumor growth (human, mice)
- PO1CA-13330-03 0007 Cancer research program - Cell kinetic studies (human, mice)
- PO1CA-13330-03 0060 Cancer research program - Role of lymphocytes in tumor immunity (human, mice)
- ** PO1CA-13330-03 0064 Cancer research program - Genetic regulation of malignancy (mice)
- ** RO1CA-13336-02 Proliferative abnormalities in carcinoma of colon (human)
- ** RO1CA-13402-03 Surface membranes in normal and cancer cells (human)
- RO1CA-13467-02 Immunotherapy of mouse lymphomas
- RO1CA-13468-02 Growth potential of single lymphoma cells in mice
- M PO1CA-13526-03 Correlated study of metabolic regulation in neoplasia
- ** PO1CA-13526-03 0002 Correlated study of metabolic regulation in neoplasia - Role of cyclic AMP in regulation of metabolism in neoplastic tissues
- ** PO1CA-13526-03 0005 Correlated study of metabolic regulation in neoplasia - Regulation of DNA metabolism in normal and cancer cells (human, birds, rodents)
- RO1CA-13548-02 Controlled differentiation of tumor cells (mice)
- ** RO1CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)
- ** RO1CA-13625-03 0001 Myeloma tumors in cell culture - Loss of oncogenicity (mice)
- ** RO1CA-13625-03 0002 Myeloma tumors in cell culture - Control or modulation of differentiated function (mice)
- RO1CA-13625-03 0003 Myeloma tumors in cell culture - Control or modulation of tumor growth in vivo (mice)
- RO1CA-13625-03 0004 Myeloma tumors in cell culture - Effect of oncoviruses on myeloma cells (mice)
- RO1CA-13625-03 0005 Myeloma tumors in cell culture - Etiological significance of viral particles in myeloma cells (mice)
- RO1CA-13625-03 0006 Myeloma tumors in cell culture - Human myeloma cells
- RO1CA-13669-02 Malignant melanoma group
- ** P02CA-13696-02 0033 Clinical cancer research center - Polyamine metabolism in relation to CNS tumor growth and detection (human)
- ** P02CA-13696-02 0039 Clinical cancer research center - Electron microscopy of orbital and adrenal tumors (human)
- ** P02CA-13696-02 0042 Clinical cancer research center - Radiodiagnostic technique-Angiotomography, arteriography, pancreatography (human)
- ** RO1CA-13808-02 Transformation and recovery of crown gall tumor cells
- R26CA-13859-03 Administration of the National Bladder Cancer Project
- ** RO1CA-13953-02 Control of myeloma tumor growth (mice)
- RO1CA-14040-01 Influence of portacaval shunt on tumor growth (rats)
- RO1CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
- PO1CA-14089-01 0052 Pilot multidisciplinary cancer research program - Basic research projects-radiation oncology
- RO1CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
- RO1CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
- RO1CA-14165-02 Optimization of radiation therapy (mice)
- ** RO1CA-14180-02 New aspects of neoplastic tissue lipid analysis (mammals)
- ** PO1CA-14193-02 0008 Comparative leukemia studies unit - Immunological factors in growth of RadLV lymphoma (rats)
- M PO1CA-14195-01 Core grant-Regulation, the cell membrane and cancer
- PO1CA-14195-01 0013 Core grant-Regulation, the cell membrane and cancer - Live cell immunogens for tumor rejection (rats)
- PO1CA-14195-01 0020 Core grant-Regulation, the cell membrane and cancer - Characterization of neurological tumors in mice and rats
- RO1CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
- RO1CA-14312-01 Hepatocellular growth-In vitro system (rats)
- ** PO1CA-14395-02 0008 Cancer research center of Greater Miami - Therapy and pyrimidine catabolism, radiation and repair (mammals)
- PO1CA-14395-02 0036 Cancer research center of Greater Miami - Programmed chemotherapy and cell kinetics in genetic cancer
- ** RO1CA-14408-02 Role of cancer factor in thrombosis and tumor growth (human)
- ** RO1CA-14441-02 Copper and ceruloplasmin metabolism in cancer
- RO1CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)
- ** P02CA-14520-02 0001 Wisconsin Clinical Cancer Center - Developmental interactions in control of tumors (human, mice)
- R26CA-14523-02 Urinary bladder carcinogenesis by brachion fern (cattle, rats, mice)
- ** RO1CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
- ** RO1CA-14562-02 Immunomodification of immune response and tumor growth (mice, rabbits)
- ** PO1CA-14599-01 0018 University of Chicago Cancer Research Center - Biochemical control of cell growth (rats, mice)
- PO1CA-14599-01 0022 University of Chicago Cancer Research Center - Immune status of patients with breast cancer
- ** RO1CA-14676-01 Regulation of cancer cell development (mice)
- ** RO1CA-14708-02 Fine structural analysis of androgenic tumor cells (mice)
- RO1CA-14710-02 Irreversibility of latent tumor cells (mice)
- ** RO1CA-14770-01 Human tumor cell kinetics-Effect of treatment
- ** RO1CA-15000-01 Effect of tumor growth on the immune response (rats)
- ** RO1CA-15129-01 A serum immunosuppressive factor in cancer (human, mice)
- P02CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems
- P02CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)
- ** P02CA-15145-01 0021 Cancer center support grant - Steroid 5 alpha-reductase activity in human brain tumors (rats)
- ** P02CA-15145-01 0042 Cancer center support grant - Regulation of growth in normal and neoplastic tissues (human, rats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P02CA-15145-01 0053 Cancer center support grant - Breast cancer task force
- ** R01CA-15167-01 Immunologic responses in neoplastic growth (mice)
- ** R01CA-15278-01 Antibody immunosuppression on tumor growth (mice)
- ** R01CA-15322-01 Oncogenesis in congenitally athymic mice
- ** R01CA-15385-01 Mechanism of antitumor effect of portacaval shunt (rats)
- ** R01CA-15388-01 Characterization of serum factors inducing mitosis (human, mice)
- R26CA-15441-01 Hormonal dependence of prostate cancer (human, rats)
- R01CA-15644-01 Control mechanisms of the G0 phase of the cell (tissue culture)
- P02CA-15688-01 0019 Program in medical oncology - Interacting effects of anticancer and other drugs (mice)
- ** R01CA-15796-01 Steroid hormonal effects on renal carcinoma (hamsters)
- M P01CA-15820-01 Comparative Oncology Research Program
- P01CA-15822-01 0006 Immunobiology of normal and neoplastic lymphocytes - Genetic aspects of immune surveillance (mice)
- R01CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
- ** R01CA-15917-01 Nitrogen metabolism and plant neoplastic state
- ** P01CA-15936-01 0006 Specialized Cancer Center - Kinetics (human)
- R01CA-16011-01 Opsonic and phagocytic activity during tumor growth (rats)
- ** R01CA-16033-01 Resurgent fetal gene products in neoplastic tissue (rats, viruses)
- R01CA-16053-02 Determinants of drug response in neoplastic cells (mice, bacteria)
- P01CA-16127-01 0006 Cancer Research and Treatment Center Program - Monoclonal immunoglobulin occurring in neoplasia (human)
- P01CA-16127-01 0018 Cancer Research and Treatment Center Program - Isozyme distribution of glycocalyx-I in normal and abnormal tissues (rats)
- ** R01CA-16231-01 Role of proteolysis in malignant growth (human, rodents, viruses)
- ** P01CA-16247-01 0001 Immunologic aspects of cancer - Growth requirements of lymphoid tumors of B-cell origin (mice)
- ** P01CA-16247-01 0002 Immunologic aspects of cancer - Effect of parasitic infection on tumor growth and antibody production
- P01CA-16247-01 0007 Immunologic aspects of cancer - Development of a radio-immunoassay (mice)
- R01CA-16274-01 Non-histone chromosomal proteins and hepatoma growth (rats)
- ** R01CA-16308-01 Free amino acids in normal and tumor-bearing mice
- P01CA-16359-01 0037 Cancer center support grant - Lymphocyte trapping in early immune response
- R26CA-16370-01 Chemical carcinogenesis of the colon (rats)
- R26CA-16375-01 Role of bile acids in etiology of large bowel cancer (mammals)
- R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)
- ** R18CA-16404-01 0013 Cancer control development grant - Cancer education
- R26CA-16732-01 Glucoprotein antigens in experimental large bowel cancer (rats)
- M01CB-23858-02 Diagnostic characterization of mammary tumors (human)
- M01CB-31146-27 Immunological characterization studies of rat strains and their neoplasms
- M01CB-33856-02 Study breast cancer transplantability in nude athymic mice (human)
- ** M01CB-33898-02 Cultivation of normal and malignant human mammary cells
- M01CB-33905-01 Effect of molecule binding to mammary cell surfaces
- M01CB-33912-01 Biochemical means by which effector molecules bind to mammary cell (human)
- M01CB-33919-02 Role of prostaglandins in mammary gland neoplasia (mice)
- ** M01CB-43861-00 Procurement of tumor and serum from cancer patients
- ** M01CB-43899-00 New techniques for the study of cell kinetics of breast cancer
- ** M01CB-43906-00 Growth alteration of mammary neoplastic cells (human, animals)
- M01CB-43907-00 Stroma in growth of neoplastic lesions of mammary gland (mice)
- M01CB-43997-00 Humoral or cellular immunologic responses
- M01CM-12185-05 Research on carcinoma of the breast (human)
- M01CM-12186-04 Development of inhibitors to RNA methylation (mammals nonhuman)
- M01CM-60029-20 Biochemical problems related to cancer chemotherapy
- M01CP-23221-02 Mycobacteria as inhibitors of tumor cell growth (mammals)
- ** M01CP-43237-00 Normal and malignant tracheobronchial epithelium in humans (hamsters)
- ** M01CP-43251-00 Viral transformation and chromosomal aberrations in human tumors
- ** M01CP-43359-01 Study of oncogenesis
- M01CP-81030-11 Etiology and epidemiology of human cancer
- R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
- ** P01GM-15253-08 0020 Genetics in medicine - Gene action in man - Genetics in neoplasia (human, primates)
- ** R01GM-17019-05 Differentiated cell cultures (rats)
- R01GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- R01GM-20401-02 Genetic control of development (Drosophila)
- R01GM-20427-02 Genetics and biochemistry of ribosome biosynthesis (E coli)
- ** R01HD-01646-15 Gene control of mammalian development and disease (mice)
- R01HD-04164-05 Aging of mammary epithelium (mice)
- R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
- ** R01HL-11492-07 Vasoactive regulators in tumor tissue (human, rodents, dogs)
- R01NS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
- ** P07RR-00003-13 0052 Medical data processing research - Tumorigenesis and endocrine environment (rats)
- M01RR-00039-14 0074 General clinical research center - Amino acid metabolism in cancer (human)
- ** M01RR-00051-13 0128 General clinical research center - Handling and fate of tissue I 125 fibrinogen (rabbits, human)
- ** M01RR-00065-12 0023 General clinical research center - Cell proliferating pool of solid tumors by infusion tritiated thymidine (human)
- M01RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)
- NEOPLASTIC THERAPY**
- SEE ALSO NEOPLASMS IMMUNIZATION (IMMUNOTHERAPY)
- SEE ALSO NEOPLASMS ONCOLYSIS
- SEE ALSO NEOPLASMS REGRESSION
- R01CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)
- P02CA-05826-13 0048 Clinical cancer research center - Medical and metabolic studies-effect of calcitonin on hypercalcemia
- ** P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- P02CA-05831-13 0036 Cancer clinical research - Parenteral hyperalimentation in the cancer patient (also rats)
- M P02CA-05834-13 Cancer clinical research center
- P02CA-05834-13 0036 Cancer clinical research center - Patient data-Collection and analysis
- P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
- P02CA-06294-13 0003 Radiotherapy research - Carcinoma of the breast (human)
- P02CA-06294-13 0005 Radiotherapy research - Electron beam therapy (human)
- P02CA-06516-12 0012 Cancer center support grant- Comprehensive - Cancer epidemiology
- ** P02CA-06519-12 0036 Radiation therapy and biology research program - Experimental radiation therapy of solid tumors (rats)
- ** P02CA-06519-12 0054 Radiation therapy and biology research program - Natural history of lymphosarcoma and role of radical and palliative therapy
- ** P02CA-06519-12 0081 Radiation therapy and biology research program - National renal cell carcinoma cooperative preoperative radiation protocol
- P02CA-06519-12 0091 Radiation therapy and biology research program - Treatment of non-Hodgkin's lymphoma
- ** P02CA-06573-12 0025 Integrated clinical cancer research program - Transplantation biology (human)
- P02CA-07357-10 0015 Special children's cancer center program - Transient diabetes mellitus secondary to L-asparaginase in acute leukemia
- ** P02CA-07357-10 0019 Special children's cancer center program - Bone marrow transplantation in identical twins
- ** P02CA-08023-10 0008 Cancer clinical research center - Staging methods for cancer therapy
- P02CA-08341-09 0005 Clinical pharmacology and cancer chemotherapy - Methotrexate-asparaginase
- P02CA-08341-09 0011 Clinical pharmacology and cancer chemotherapy - Tumor immunology (human, mice)
- M P02CA-08480-09 Childhood cancer research center
- ** P02CA-08480-09 0017 Childhood cancer research center - Total therapy of acute lymphocytic leukemia (human)
- ** P02CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
- ** P02CA-08480-09 0019 Childhood cancer research center - Treatment of acute myelocytic leukemia (human)
- P01CA-08748-09 5524 Research program of Sloan-Kettering Institute - Biomedical computer research project
- P01CA-08748-09 5536 Research program of Sloan-Kettering Institute - Calcium deposition in bone lesions following radiotherapy (human)
- P01CA-08748-09 7806 Research program of Sloan-Kettering Institute - Immunopotentiators on cancer growth in man
- M P02CA-08832-08 An integrated study of advanced malignant diseases
- ** R10CA-08970-08 Pathology center for lymphoma clinical trial studies (human)
- R01CA-09247-22 Partial subsidy for the journal Cancer Research
- P01CA-10748-07 0001 Cancer chemotherapy program - Pharmacological and therapeutic aspects of L-asparaginase (human, mice)
- P01CA-10797-02 Establishment of a clinical radiation therapy research unit
- M P02CA-10895-06 Adult leukemia research center
- ** P01CA-10896-03 Exploratory studies in cancer research (human, laboratory animals)
- ** P02CA-11051-06 0026 Clinical radiation research center - Game and decision theory in oncology
- P02CA-11067-05 0016 Clinical cancer research center - Adoptive immunotherapy in patients with advanced cancer
- R01CA-11189-05 Cell kinetics of human tumors (human, rats)
- ** P02CA-11190-06 0002 Cancer research center - Tumor biology and bank (mice)
- ** R10CA-11816-14 Leukemia center platelet program
- ** R10CA-11845-16 Leukemia treatment-Acute leukemia cooperative group B
- P02CA-11911-04 0013 Clinical cancer center - 5-Fluorouracil and radiation adjuncts to surgery of gastric cancer
- ** R01CA-12102-04 Surgical management of the regional lymph node in cancer (mice, hamsters)
- R01CA-12122-02 Vitamin A acid localization in the heratocanthoma (rabbits)
- R01CA-12188-03 0009 Mechanisms of enhanced asparaginase therapy - Peritoneal dialysis and hemodialysis for free amino acid depletion
- R01CA-12188-03 0010 Mechanisms of enhanced asparaginase therapy - Handling by isolated organs of amino acids and enzymes (dogs)
- ** R01CA-12243-03 Immunologic stimulation in lymphoma and leukemia (human)
- P02CA-12247-03 0027 Pediatric oncology center - Cooperative Hodgkin's disease study
- ** R10CA-12397-03 Leukemia center (platelet) program
- M P01CA-12582-04 Multidisciplinary cancer diagnosis and therapy
- ** R01CA-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
- R10CA-12721-03 Cancer clinical investigation coordinating center A
- R01CA-13028-03 Identification of breast cancer isoenzymes (human)
- ** R01CA-13041-02 Lymphocyte metabolism in cancer patients
- M P02CA-13053-03 Clinical cancer radiation therapy research center
- ** P02CA-13053-03 0041 Clinical cancer radiation therapy research center - Mathematical modeling in malignant diseases (mice)
- ** P02CA-13148-03 0009 Pilot cancer center - Effects of heat on cancer
- R01CA-13228-03 Gonadal hormone receptors and human prostatic cancer (human)
- ** R01CA-13289-02 Role of regional lymph nodes in cancer surgery (human)
- R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
- ** P01CA-13419-01 Program project in basic oncology
- ** P01CA-13576-02 Exploratory studies in cancer research
- ** R10CA-13607-03 Hodgkin's disease cooperative study
- ** P01CA-13635-02 Planning for cancer research program
- P01CA-13694-01 Exploratory studies for cancer research (human)
- ** P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
- P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
- P02CA-13696-02 0013 Clinical cancer research center - Lymphocyte reaction in cancer (human)
- P02CA-13696-02 0016 Clinical cancer research center - Colorectal cancer-Adjuvant chemotherapy (human)
- P02CA-13696-02 0027 Clinical cancer research center - Neuroradiology of CNS tumors-Angiographic morphology and morphometry (human)
- ** P02CA-13696-02 0028 Clinical cancer research center - Neuroradiology of CNS tumors-Superselective catheterization (dogs, human)
- P02CA-13696-02 0030 Clinical cancer research center - Educational programs on diagnosis and treatment of patients with CNS tumors
- P02CA-13696-02 0031 Clinical cancer research center - Tissue banks for tumors of the nervous system (human)
- P02CA-13696-02 0033 Clinical cancer research center - Polyamine metabolism in relation to CNS tumor growth and detection (human)
- ** P02CA-13696-02 0034 Clinical cancer research center - Retinoblastoma (human)
- ** P02CA-13696-02 0038 Clinical cancer research center - Angiomatous tumors (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
- P02CA-13696-02 0047 Clinical cancer research center - Psychiatric liaison with surgery service (human)
- P02CA-13696-02 0060 Clinical cancer research center - Response of host to tumor and to therapy (human)
- ** P02CA-13696-02 0063 Clinical cancer research center - Immunologic monitoring of treatment impact-Tumor antigen (human)
- P02CA-13696-02 0064 Clinical cancer research center - Fluorescent antibody studies (human)
- ** P01CA-13741-02 Exploratory studies in cancer research
- R01CA-13746-02 Role recognition factors and macrophages in neoplasia (human, rats)
- P01CA-13750-02 Exploratory studies for cancer research (human)
- ** R01CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
- R26CA-13859-03 Administration of the National Bladder Cancer Project
- ** P02CA-13943-02 0038 Clinical pharmacology immunology cancer research center - Clinical studies with extracorporeal chemical reactor (human)
- P02CA-13943-02 0041 Clinical pharmacology immunology cancer research center - Measurement of immune responses to tumors in cancer patients
- P02CA-13943-02 0044 Clinical pharmacology immunology cancer research center - Nonspecific defense responses in cancer patients
- ** P02CA-13943-02 0051 Clinical pharmacology immunology cancer research center - Endocrinology-Endocrine function in cancer patients
- P02CA-13943-02 0052 Clinical pharmacology immunology cancer research center - Endocrinology cyclic AMP
- ** P02CA-13943-02 0059 Clinical pharmacology immunology cancer research center - Enhancement of granulocyte procurement with pyrazal
- P02CA-13943-02 0060 Clinical pharmacology immunology cancer research center - Chemotherapy of infections (human)
- P02CA-13943-02 0066 Clinical pharmacology immunology cancer research center - Clinical gynecology program
- P02CA-13943-02 0068 Clinical pharmacology immunology cancer research center - Relation of tryptophan metabolite excretion to bladder tumor (human)
- ** P02CA-13943-02 0074 Clinical pharmacology immunology cancer research center - Collaborative clinical trials
- ** R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- ** R01CA-14040-01 Influence of portacaval shunt on tumor growth (rats)
- R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
- R10CA-14058-01 Radiation Therapy Oncology Group
- ** P01CA-14089-01 0043 Pilot multidisciplinary cancer research program - Gynecologic oncology program
- P01CA-14089-01 0050 Pilot multidisciplinary cancer research program - Clinical investigation of selected tumor systems
- P01CA-14093-02 Exploratory studies in cancer research (human)
- ** P01CA-14094-02 Exploratory studies for cancer research (human)
- R01CA-14189-02 Bronchogenic carcinoma-Early detection and etiology (human)
- P01CA-14271-02 Exploratory studies in cancer research (human)
- P01CA-14293-02 Exploratory studies in cancer research (human)
- ** R01CA-14303-02 Ferromagnetic silicone vascular occlusion in neoplasms (dogs, human)
- P01CA-14499-02 Exploratory studies in cancer research (human)
- P02CA-14520-02 0013 Wisconsin Clinical Cancer Center - Vitamin B6, steroid hormones and energy (human)
- ** P02CA-14520-02 0025 Wisconsin Clinical Cancer Center - Computerized program for treatment and care-gynecologic oncology
- M P01CA-14599-01 University of Chicago Cancer Research Center
- P01CA-14599-01 0008 University of Chicago Cancer Research Center - Cell surface and cellular interaction in growth and differentiation (mammals)
- P01CA-14599-01 0022 University of Chicago Cancer Research Center - Immune status of patients with breast cancer
- P01CA-14599-01 0024 University of Chicago Cancer Research Center - Hormonal milieu in breast cancer (human)
- ** P01CA-14599-01 0027 University of Chicago Cancer Research Center - Treatment of non-metastatic breast cancer (human)
- ** P01CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- ** P01CA-14599-01 0033 University of Chicago Cancer Research Center - Comprehensive therapy of metastatic colon and rectal cancer (human)
- ** P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
- ** P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
- ** P01CA-14599-01 0040 University of Chicago Cancer Research Center - Management of ovarian carcinoma (human)
- R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- ** R26CA-14716-02 National prostatic cancer project
- ** R01CA-14770-01 Human tumor cell kinetics-Effect of treatment
- R01CA-14775-02 Tumor immunity related to clinical course and therapy (human)
- R13CA-14973-01 Gordon conference on tumor immunology
- P02CA-15083-01 0015 Cancer Center Support Grant-Mayo Foundation - Acute leukemia in adults
- P02CA-15145-01 0030 Cancer center support grant - Thrombotic diathesis in cancer patients
- P02CA-15145-01 0053 Cancer center support grant - Breast cancer task force
- P02CA-15145-01 0055 Cancer center support grant - Clinical cancer training program
- ** R10CA-15294-01 Western Cancer Study Group
- ** R10CA-15457-01 Western Cancer Study Group
- R26CA-15497-01 Statistical Center for National Bladder Cancer Project
- R01CA-15556-01 Antigens and immunity in bronchogenic carcinoma (human)
- P01CA-15655-01 0032 Cancer center support grant - Acupuncture treatment for relief of pain (human)
- R01CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
- P01CA-15820-01 0003 Comparative Oncology Research Program - Statistical analysis
- P01CA-15925-01 Exploratory studies in cancer research (human)
- ** P01CA-15936-01 0008 Specialized Cancer Center - Extended clinical trials (human)
- R01CA-15960-01 Immunotherapy of mammary tumors (mice)
- P01CA-16067-01 Exploratory studies in cancer research (human)
- R01CA-16071-01 Double HLA antigens in sera of cancer patients
- R01CA-16096-01 Host-neoplasia interactions in gliomas (human)
- P01CA-16127-01 0014 Cancer Research and Treatment Center Program - Cancer patient laboratory data analysis system
- M R18CA-16401-01 University of Chicago cancer control center
- R18CA-16401-01 0001 University of Chicago cancer control center - Cancer control center coordinating office
- R18CA-16401-01 0002 University of Chicago cancer control center - Planning, implementation and evaluation of a program in oncology nursing
- R18CA-16401-01 0007 University of Chicago cancer control center - Early detection and management of gastrointestinal carcinoma
- M R18CA-16402-01 Cancer control development grant
- ** R18CA-16402-01 0001 Cancer control development grant - Model referral system for cancer therapy (adults, children)
- R18CA-16402-01 0002 Cancer control development grant - Medical education and communications (medical and allied personnel)
- M R18CA-16404-01 Cancer control development grant
- R18CA-16404-01 0001 Cancer control development grant - Social epidemiology of cancer care delivery and control
- R18CA-16404-01 0009 Cancer control development grant - Cancer committee chairman
- M R18CA-16405-01 Development of regional cancer control program
- R18CA-16405-01 0003 Development of regional cancer control program - Childhood cancer control (human)
- R18CA-16408-01 Cancer control developmental grant
- ** R18CA-16412-01 Cooperative clinical research in community hospitals
- R18CA-16419-01 Evaluation of impact of cancer control programs
- R26CA-16436-01 National head and neck cancer project
- R26CA-16769-01 CEA in urogenital carcinomas (human)
- ** R26CA-16886-01 National bladder cancer collaborative group A (human)
- ** R26CA-16899-01 Evaluation of management of patients with bladder carcinoma
- M01CB-43942-00 factor (rabbits)
- N01CB-50573-16 groups
- ** N01CM-33716-01 Computerized medical information system (human)
- N01CM-33732-02 Administrative and technical support services
- ** N01CM-43720-00 Cancer therapy abstracts
- N01CM-43722-00 Drug research and development chemical information system
- ** N01CM-43782-00 Therapy of patients with gastric carcinoma
- ** N01CM-43783-00 Therapy of patients with gastric carcinoma
- ** N01CM-43795-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43797-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43799-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
- ** N01CM-51021-19 Registry of NCI cancer chemotherapy
- ** N01CM-45007-01 Effect of early detection and treatment on survival from lung cancer
- ** N01CM-45119-00 Integrated cancer rehabilitation services (human)
- ** N01CM-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)
- ** N01CM-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)
- ** N01CM-45133-01 Demonstration of cancer rehabilitation facilities and/or department (human)
- ** N01CM-45141-00 Oncology nursing programs in medical centers
- N01CO-45425-01 Resources analysis and planning for NCP
- ** N01CP-33373-02 Application of immunotherapy to malignant diseases (human)
- N01CP-33402-03 Literature search, retrieval and compilation for PHS-149 series and indexes
- ** N01CP-43204-00 Abstracting and coding of data on cancer cases
- N01CP-43205-00 Abstract and code statistical data on cancer cases
- ** N01CP-43206-00 Cancer end results evaluation program
- ** N01CP-43210-00 Continuation of cancer end results project
- ** N01CP-43258-00 Cancer end results project
- N01CP-43259-00 Furnish statistical data on cancer cases
- ** N01CP-43364-00 Biomedical computing services in clinical and diagnostic trials program
- R01EY-00616-03 Diagnosis and etiology of intra-ocular tumor (human, rabbits)
- R01GM-21084-01 Immobilized enzyme systems for use in cancer research
- P01MH-11668-09 0066 Psychosocial factors in health and disease - Psychosocial factors in long term survival in neoplasia
- ** P01MH-11668-09 0096 Psychosocial factors in health and disease - Psychology of the cancer patient
- P01MH-11668-09 0097 Psychosocial factors in health and disease - Evaluating the coping patterns of cancer patients
- ** P07RR-00003-13 0035 Medical data processing research - Cancer therapy model
- M01RR-00030-13 0100 General clinical research center - Use of blood cell separator (human)
- M01RR-00030-13 0129 General clinical research center - Treatment of malignant brain glioma-Phase II (human)
- ** M01RR-00047-14 0103 General clinical research center - Childrens cancer study group A
- M01RR-00051-13 0001 General clinical research center - Organ transplantation-Liver homotransplantation
- M01RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
- M01RR-00051-13 0029 General clinical research center - Cryoprophsectomy in treatment of pituitary tumors (human)
- M01RR-00053-13 0022 Clinical research center - Growth hormone in breast cancer (human)
- M01RR-00053-13 0067 Clinical research center - Steroid metabolism in breast cancer (human)
- M01RR-00055-13 0037 General clinical research center - Immunotherapy of thyroid cancer (human)
- ** M01RR-00060-13 0031 General clinical research center - Initial treatment for malignant lymphomas (human)
- M01RR-00062-12 0028 Clinical research center, children - Bone marrow transplantation
- ** M01RR-00063-12 0092 General clinical research center - Blood cell separator (human)
- ** M01RR-00068-12 0045 General clinical research center - Excretion of polyamines during neoplastic therapy (human)
- ** M01RR-00076-12 0103 General clinical research center - Stereotactic relief of pain in terminal cancer (human)
- M01RR-00096-14 0043 Clinical research center - Plasmaphoresis-Effect on myeloma (human)
- M01RR-00125-11 0146 General clinical research center-adult-child - Acromegaly
- M01RR-00125-11 0184 General clinical research center-adult-child - Therapy for melanoma
- M01RR-00262-09 0001 General clinical research center - Splenectomy in malignant lymphoma (human)
- M01RR-00262-09 0002 General clinical research center - Splenectomy in chronic myelocytic leukemia (human)
- M01RR-00262-09 0048 General clinical research center - Phase II study of treatment of renal cell carcinoma (human)
- ** M01RR-00287-08 0008 General clinical research center - Malignant carcinoid syndrome (human)
- ** M01RR-00645-03 0029 Clinical research center - Clinical applications of antibodies to artificial antigens (human, sheep, dogs)
- M01RR-00827-01 0004 General clinical research center - Effect of ACTH and cyclic AMP on adrenal cancer
- ** S01RR-05753-02 General research support (cancer hospital)

(contd)

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NEOPLASTIC THERAPY, ANTINEOPLASTIC AGENTS

- SEE ALSO ANTIBIOTICS, ANTINEOPLASTIC ANTIBIOTICS (GENERAL)
SEE ALSO NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
SEE ALSO NEOPLASTIC THERAPY, CARCINOGENESIS INHIBITORS
- R01AI-05875-10 Antibody synthesis (mice)
R01AI-10188-04 Properties of sulfur alkaloids (human)
R01AI-10214-04 Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture)
R01AI-10389-03 Photolysis of amino-diones-A synthesis of penicillin
R01AI-11233-02 Antibiotics from pyrenomyces
R0IAM-00803-20 Methionine-tRNA synthetase (cattle, rats, rabbits, human)
R0IAM-02767-14 Evaluation of adrenocortical inhibitors (human, dogs)
R0IAM-07719-11 Polyhydroxycycloalkanes
R0IAM-11662-06 Biosynthesis of ergot alkaloids (fungi)
R0IAM-13660-04 0002 Pathology of biomedical disorders in vitro - Purine analog resistance in hyperuricemia and leukemia patients
R0IAM-14887-07 0002 Pathophysiology and chemotherapy in psoriasis and cancer - Topical chemotherapy (human)
R0IAM-15280-04 Stromal control of hemopoiesis-normal and diseased (mice)
R0IAM-15641-03 Biochemistry of 5-thio-D-glucose (rats)
R0IAM-16262-02 Epidermal macromolecular metabolism
R01CA-01393-24 Patterns of steroid metabolism in cancer (human, mice)
R01CA-02075-20 Polysaccharides in neoplastic disease (human, cattle, rabbits)
R01CA-02332-20 0037 Clinical and laboratory studies of normal and abnormal growth - Molecular aspects of cancer chemotherapy
R01CA-02478-20 Chemotherapy of cancer-Experimental and clinical
R01CA-02817-18 Biochemical pharmacology of antineoplastic agents (human, dogs, bacteria)
R10CA-02822-19 Eastern cooperative oncology group (human)
R01CA-02931-17 Studies in heterocyclic synthesis
R01CA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
R01CA-03287-16 Chemotherapy of experimental mouse tumors
R01CA-03528-17 Nucleic acid studies in cancer chemotherapy (human, rats)
R01CA-03983-16 Free radicals in physiological and pathological processes (rats)
R01CA-04065-16 Cyclopropyl radicals and studies in asymmetric syntheses
R01CA-04175-16 Cell culture studies on drugs and antimetabolites
R01CA-04284-16 Preparation of modified steroids and sesquiterpenes
R01CA-04474-16 Synthesis and reactions of steroid-heterocycles
R01CA-04536-16 Organic sulfur chemistry and cancer chemotherapy
R01CA-04542-16 Modification of radiation response in vitro (mammals)
R01CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
R01CA-05262-14 Iododeoxyuridine, iodo-DNA and biological activity (mice)
R01CA-05295-14 0001 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA biosynthesis (mice)
R01CA-05295-14 0002 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA polymerase (bacteria)
R01CA-05295-14 0003 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on RNA biosynthesis (mice)
R01CA-05295-14 0004 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on membrane systems (mice)
R01CA-05295-14 0005 Chemical basis of nitrogen mustard activity - CIS-PT II complexes (mice)
R01CA-05310-14 Mechanism of action of beta-3TA (mice)
R01CA-05507-14 Organophosphorus compounds for anticancer screening
R01CA-05513-14 Water-soluble organoboron compounds
R01CA-05672-13 Drug resistance in mouse cells cultured in vitro
R02CA-05826-13 0034 Clinical cancer research center - Cancer Chemotherapy Central Clinical Facility
R02CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)
R02CA-05831-13 0027 Cancer clinical research - Pharmacology of new cancer chemotherapy agents
R02CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
R02CA-05831-13 0038 Cancer clinical research - Biochemical basis of varying drug toxicity (human)
R02CA-05834-13 0031 Cancer clinical research center - Cancer therapy with epipodophylotoxin (human)
R02CA-05834-13 0050 Cancer clinical research center - Cancer therapy with platinum complexes (human)

- R02CA-05834-13 0052 Cancer clinical research center - Cancer therapy with cytembena (human)
R02CA-05834-13 0053 Cancer clinical research center - Cancer therapy with crystalline antibiotic (human)
R01CA-06145-13 0005 Chemotherapy of intracranial neoplasms - Corticosteroids (human)
R02CA-06516-12 0003 Cancer center support grant-Comprehensive - Chemotherapy-New agents and combinations (human)
R02CA-06516-12 0004 Cancer center support grant-Comprehensive - Clinical pharmacology
R02CA-06516-12 0007 Cancer center support grant-Comprehensive - Adult solid tumors
R02CA-06516-12 0008 Cancer center support grant-Comprehensive - Hematologic malignancies
R02CA-06516-12 0014 Cancer center support grant-Comprehensive - Bio organic synthesis (human, rodent)
R02CA-06516-12 0015 Cancer center support grant-Comprehensive - Chemical characterization of neocarcinostatin
R02CA-06516-12 0016 Cancer center support grant-Comprehensive - Preclinical evaluation of antitumor agents
R02CA-06516-12 0019 Cancer center support grant-Comprehensive - Development of radioimmunoassays for chemotherapeutic agents
R02CA-06516-12 0025 Cancer center support grant-Comprehensive - Heterotransplantation approaches to human leukemia and lymphoma (hamsters, rats)
R02CA-06519-12 0083 Radiation therapy and biology research program - Determination of radiobiologic parameters of individual human tumors
R02CA-06551-11 0014 Cancer clinical research - Drug metabolism (human, rats, mice)
R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
R01CA-06734-12 Mechanisms of solute transport in animal cells (rats)
R01CA-06833-11 Factors influencing lymphoma cells (mice)
R01CA-06838-11 Syntheses related to polymers of anti-cancer activity
R01CA-06927-12 0006 Biological and biochemical program in cancer research - Synthesis of cancer chemotherapeutic agents (rabbits, mice, rats)
R01CA-06927-12 0010 Biological and biochemical program in cancer research - Study of molecular biology
R02CA-06973-12 0001 Integrated clinical cancer research program - Therapy of acute leukemia of the adult (human, mice)
R02CA-06973-12 0012 Integrated clinical cancer research program - Cell biology-Kinetics of transplanted cells (mice)
R02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
R02CA-06973-12 0027 Integrated clinical cancer research program - Cell biology-normal and neoplastic cells (mice)
R02CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
R01CA-07175-11 0004 Cancer research at the McArdle laboratory - Studies with pyrimidine analogs (rats, mice)
R02CA-07177-11 0010 Clinical cancer research center - Metabolism of estrone sulfate in treatment of recurrent breast cancer (human)
R02CA-07177-11 0012 Clinical cancer research center - Clinical therapeutic study-Improved combination chemotherapy
R02CA-07177-11 0016 Clinical cancer research center - Clinical support-Infectious disease program (mice)
R01CA-07182-11 Heterocyclic compounds containing phosphorus
R01CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)
R01CA-07304-11 0016 Steroid hormone production and metabolism in cancer - Effect of calusterone on estradiol metabolism (human)
R01CA-07339-10 Cytochemical substrates and anti-cancer agents (human, rats)
R01CA-07340-11 0001 Coenzymes containing purine and pyrimidine analogs - Polyphosphate nucleotide synthesis and degradation (human)
R01CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
R02CA-07357-10 0010 Special children's cancer center program - Red blood cell changes in acute leukemia
R02CA-07357-10 0014 Special children's cancer center program - Periodic reinforcement therapy in children with acute leukemia
R01CA-07368-11 0003 Interrelationships of normal and cancer cells - Chemo-immunotherapy (mice, rabbits)
R01CA-07368-11 0006 Interrelationships of normal and cancer cells - Model systems (human, rats, mice)
R01CA-07368-11 0013 Interrelationships of normal and cancer cells - Radiation biology of astrocytoma
R01CA-07368-11 0014 Interrelationships of normal and cancer cells - Steroid derivatives for glioma therapy
R01CA-07394-10 Synthesis and separation of carcinogenic compounds
R01CA-07522-10 Cofactor inhibition of thymidylate synthase
R01CA-07541-10 Antigenic reactions of normal and leukemic cells
- R01CA-07803-11 Biologically-active fatty acid derivatives
R01CA-08010-10 Mechanism of action of folate antagonists (human, mice, dogs, guinea pigs)
R02CA-08023-10 0046 Cancer clinical research center - Hepatic infusion chemotherapy in liver carcinoma
R02CA-08023-10 0082 Cancer clinical research center - Research in new cancer chemotherapy agents
R01CA-08128-09 Effects of alkylation on DNA (bacteria)
R01CA-08290-09 Chemotherapeutic deoxynucleosides and other agents
R02CA-08341-09 0020 Clinical pharmacology and cancer chemotherapy - Phase I studies with carboxypeptidase G-1
R02CA-08341-09 0032 Clinical pharmacology and cancer chemotherapy - Baker's soluble anti-fol (Triazine, TZT) (human)
R02CA-08341-09 0033 Clinical pharmacology and cancer chemotherapy - D-Tetrandrine
R02CA-08341-09 0036 Clinical pharmacology and cancer chemotherapy - CAM in solid tumors
R02CA-08341-09 0037 Clinical pharmacology and cancer chemotherapy - CAM in acute leukemia
R02CA-08341-09 0038 Clinical pharmacology and cancer chemotherapy - Head and neck neoplasms chemotherapy
R02CA-08341-09 0045 Clinical pharmacology and cancer chemotherapy - Experimental tumor chemotherapy (mice)
R02CA-08341-09 0046 Clinical pharmacology and cancer chemotherapy - Studies of folate antagonists (human, rats, mice, dogs)
R01CA-08348-10 Biochemistry of procarbazine and related hydrazines (rats)
R01CA-08349-09 Potential tumor or organ imaging agents
R01CA-08416-09 Control of transcription and translation in mammalian cells
R02CA-08480-09 0014 Childhood cancer research center - Ultrastructural studies on microtubules (human, hamsters)
R02CA-08480-09 0015 Childhood cancer research center - Ecology of microbial flora in leukemia patients
R02CA-08480-09 0025 Childhood cancer research center - Effect of alkylating agents and irradiation on DNA repair mechanisms
R01CA-08495-09 Fused heterocycles as potential anticancer agents
R01CA-08736-09 Selective myelotoxic effect of antitumor drugs (mice)
R01CA-08748-09 5407 Research program of Sloan-Kettering Institute - Effect of natural products on cancer growth (mice)
R01CA-08748-09 5413 Research program of Sloan-Kettering Institute - Combination and single agents-survival of myeloma-bearing mice
R01CA-08748-09 5414 Research program of Sloan-Kettering Institute - Effect of chemotherapy on host immunity in tumor-bearing mice
R01CA-08748-09 5415 Research program of Sloan-Kettering Institute - Remission of rat mammary adenocarcinomas by selected drugs
R01CA-08748-09 5416 Research program of Sloan-Kettering Institute - Effect of age on host-tumor-drug relationships (mice)
R01CA-08748-09 5616 Research program of Sloan-Kettering Institute - Uptake of drugs in brain tumors in mice
R01CA-08748-09 5925 Research program of Sloan-Kettering Institute - Non-steroidal anti-androgen effect on glandular element of prostate (dogs, cats)
R01CA-08748-09 5934 Research program of Sloan-Kettering Institute - Immunosuppressive effects of cytotoxic drugs (rats)
R01CA-08748-09 6201 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in adults
R01CA-08748-09 6208 Research program of Sloan-Kettering Institute - Proliferation of human lymphoblastoid cells related to therapy
R01CA-08748-09 6404 Research program of Sloan-Kettering Institute - Anhydro-ara-FC analogs synthesis
R01CA-08748-09 7201 Research program of Sloan-Kettering Institute - Inhibitors of RNA-directed DNA polymerase on mouse leukemia and Burkitt's tumor
R01CA-08748-09 7202 Research program of Sloan-Kettering Institute - Comparison of activity of pyrimidine derivatives with ARA-C (human, mice)
R01CA-08748-09 7203 Research program of Sloan-Kettering Institute - Effect of ribonucleotide reductase inhibitors on mouse leukemia
R01CA-08748-09 7212 Research program of Sloan-Kettering Institute - Effect of inorganic platinum compounds on leukemic cells (mice)
R01CA-08748-09 7213 Research program of Sloan-Kettering Institute - Synthesis of purine derivatives as antitumor agents
R01CA-08748-09 7214 Research program of Sloan-Kettering Institute - Synthesis of enzymatic inhibitors as antitumor agents
R01CA-08748-09 7215 Research program of Sloan-Kettering Institute - Synthesis of purine-protein conjugates as antitumor agents
R01CA-08748-09 7404 Research program of Sloan-Kettering Institute - Decreased oncogenic potential in resistant mouse leukemia

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- ** R01CA-08748-09 7417 Research program of Sloan-Kettering Institute - Microbiological assay of chemotherapeutic agents
 R01CA-08748-09 7418 Research program of Sloan-Kettering Institute - Cytotoxicity of antifolate drugs for leukemia cells (mice)
 R01CA-08748-09 7420 Research program of Sloan-Kettering Institute - Microbial enzymes capable of destroying folate coenzyme activity and antifolates
 ** R01CA-08748-09 7601 Research program of Sloan-Kettering Institute - Preclinical pharmacology of antitumor agents (dogs, rats, rabbits)
 R01CA-08748-09 7603 Research program of Sloan-Kettering Institute - Autophagic necrosis induced by antitumor agents in intestinal epithelium (mice)
 ** R01CA-08793-08 B6 antagonists
 R01CA-08800-08 Mechanisms of drug inhibition of human leukemic cells (rats, human)
 ** R01CA-10250-08 Glycerol-P dehydrogenase in differentiation and cancer (rodents, rabbits, rats)
 ** R01CA-10298-06 Binding of antitumor agents to DNA
 R01CA-10372-07 Radiobiology-oncology research program
 R01CA-10494-07 Chemical studies of potential anticancer agents
 R01CA-10537-05 RES function, tumor induction and growth (mice)
 R10CA-10572-06 Eastern cooperative oncology group
 ** R01CA-10628-07 Structure and function of ribosomes (mammals, yeast)
 M R01CA-10666-07 Molecular pharmacology of tumor and virus inhibitors
 ** R01CA-10666-07 0002 Molecular pharmacology of tumor and virus inhibitors - Camptothecin (viruses, mammals)
 ** R01CA-10666-07 0003 Molecular pharmacology of tumor and virus inhibitors - Ricin
 R01CA-10748-07 0002 Cancer chemotherapy program - Mechanism of action of folate antagonists (human, mice)
 R01CA-10748-07 0007 Cancer chemotherapy program - Synthesis of antineoplastic agents
 R01CA-10748-07 0008 Cancer chemotherapy program - Enzyme-catalyzed and non-enzymic methylation reactions
 ** R01CA-10748-07 0011 Cancer chemotherapy program - Immunosuppression by antimetabolites and tumor immunology (human, rats, mice)
 ** R01CA-10748-07 0012 Cancer chemotherapy program - Metabolism (rats)
 ** R01CA-10748-07 0013 Cancer chemotherapy program - Investigation of asparaginase and asparagina analogs (tissue culture, mice)
 ** R01CA-10748-07 0014 Cancer chemotherapy program - Synthesis of asparagine analogs
 ** R01CA-10819-06 Synthesis and study of antitumor and endocrine agents (rats)
 R01CA-10849-06 The synthesis of natural products for chemotherapy
 ** R01CA-10893-06 0010 Cancer Research Center - Pharmacokinetics metabolism of anticancer agents (rats, human)
 ** R01CA-10904-06 Biochemical studies in cancer (mice, rats)
 ** R01CA-10906-07 Molecular structures of steroids
 R01CA-10914-06 Studies on homotolic acid derivatives (bacteria)
 ** R01CA-10925-25 Application of crystallographic techniques
 ** R01CA-10944-06 X-ray studies of compounds of biological interest
 ** R01CA-10965-05 Alkaloid analogs as potential antineoplastic agents
 ** R01CA-10979-06 Glyoxalase inhibitors as potential anticancer agents (bacteria, mice)
 ** R01CA-11033-05 Physiologically active compounds from marine organisms
 ** R01CA-11045-06 New syntheses of cyclophosphamide and TEPA analogs
 R01CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of antitumor drugs
 ** P02CA-11067-05 0008 Clinical cancer research center - Cooperative study of potential anticancer drugs (mice)
 ** P02CA-11067-05 0009 Clinical cancer research center - Normal growth regulating mechanisms (mice)
 ** P02CA-11067-05 0014 Clinical cancer research center - Pharmacologic inhibition of transcriptase activity, oncogenesis of RNA tumor vir
 ** P02CA-11067-05 0019 Clinical cancer research center - Drug interaction studies with mouse spleen colony system
 ** R01CA-11089-12 Synthesis of tumor inhibitory lactones
 R01CA-11095-06 Biosynthesis and biogenetic synthesis of indole alkaloids (vinca)
 ** R01CA-11113-06 Tumor inhibitory enzymes (human, mice, guinea pigs)
 ** R01CA-11147-06 Thiazolo- and oxazolo 5, 4-d pyrimidine nucleosides
 ** R01CA-11161-06 Enzymes of glutamine metabolism (E coli, chickens)
 R01CA-11185-06 Synthesis and chemistry of diazo compounds
 R01CA-11186-06 Asparagine transport in normal and neoplastic cells (human, bacteria, mice)
 ** R01CA-11196-06 Chemistry and enzymology of anticancer perine analogs
 P02CA-11265-05 0015 General clinical cancer research center - Protocol for malignant glioma of brain
 ** P02CA-11265-05 0035 General clinical cancer research center - D.D.M.P. for meningial leukemia
 P02CA-11265-05 0037 General clinical cancer research center - BCNU, CCNU and isocyanate derivatives
 ** R01CA-11271-06 Biochemical studies of hepatoma production by ethionine
 R01CA-11277-06 Synthetic approaches to the azulene sesquiterpenes
 ** R01CA-11326-06 Photochemical synthesis of antineoplastic substances
 ** R01CA-11349-06 Platinum compounds-A new class of anti-tumor agents (mice)
 ** R01CA-11389-05 Potential drugs related to araC
 R01CA-11421-09 Antitumor activity of synthetic trimetycin analogs
 ** R01CA-11445-06 Benzylisoquinoline alkaloid studies
 R01CA-11445-06 Tryptophan hematology and neoplastic disease (human, mice, brown recluse spider)
 R01CA-11449-05 New antagonists of amethopterin-resistant leukemia (human bacteria, mice)
 ** R01CA-11450-04 A search for anti-cancer drugs (plants)
 ** R01CA-11472-04 Hemopoietic control mechanisms (mice)
 R10CA-11488-05 Eortic coordinating agency and data center
 P01CA-11491-05 0003 Irradiation and tissue-localization response - Pharmacological approach to antileukalization study (human, mammals nonhuman)
 R01CA-11507-05 Chemical study of plants of pharmacological interest
 ** R01CA-11603-05 Hormone-induced regression of cancers (rats)
 ** R01CA-11605-06 Immunological reactivity in special circumstances (mice)
 R01CA-11627-08 Actinomycins-Conformation and activity
 ** R01CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
 R01CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
 R01CA-11692-03 Molecular studies of regulators in granulopoiesis (human, mice)
 ** R01CA-11714-03 Potential inhibitors of asparagine biosynthesis (rats, human)
 ** R01CA-11715-03 Isolation and synthesis of potential tumor inhibitors (plants)
 ** R01CA-11718-05 Chemistry of tumor-inhibitory natural products
 ** R10CA-11722-06 National Wilms tumor study (children)
 ** R01CA-11760-04 Ex-ray determinations of structure of tumor inhibitors (plants)
 ** R01CA-11811-09 Pharmacology of derivatives of natural compounds (mice, rats)
 R10CA-11845-16 Leukemia treatment-Acute leukemia cooperative group B
 ** R01CA-11879-03 Fluorinated amino acids as potential cancerostatics
 ** R01CA-11880-03 The synthesis of polyfunctional tumor inhibitor
 ** R01CA-11881-05 Research with enzymes as antitumor agents (human, mice animals)
 ** R01CA-11935-05 Synthesized polynucleotides as tumor and virus inhibitors
 R01CA-11967-10 Properties of cyclic P CPDS-potential carcinostats
 ** R01CA-12008-06 Synthesis of sesquiterpenoid antitumor agents
 ** R01CA-12020-03 Synthesis of actinobolamine and related molecules (streptomycetes)
 R01CA-12025-03 Structural chemistry of borano anion complexes
 R01CA-12043-03 Biophysical and clinical studies of melanoma (human, mice)
 R01CA-12059-05 Chemistry of biologically active natural products (plants)
 R01CA-12067-04 Electron microscopic and cytochemical studies of DNA (human, rats)
 R01CA-12080-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
 ** R01CA-12084-03 B12 analogues as chemotherapeutic agents
 P01CA-12093-04 0005 Immunobiology of cancer - Thymosin studies (mice)
 ** R01CA-12107-10 Synthesis of antitumor natural products
 R01CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
 R01CA-12141-04 Phenotypic analysis of chemical carcinogenesis (rats)
 R01CA-12149-03 Synthesis of the anticancer agent, Camptothecin
 ** R01CA-12159-03 Crystal structure of purine and pyrimidine analogues
 ** R01CA-12186-04 Studies of potential anti-cancer agents
 ** R01CA-12188-03 0006 Mechanisms of enhanced asparaginase therapy - New enzymes with antitumor potentials
 ** R01CA-12188-03 0008 Mechanisms of enhanced asparaginase therapy - Obtaining anti-tumor enzymes from solid matrices
 R01CA-12193-08 Photochemical synthesis of sesquiterpenes
 P02CA-12197-03 0002 Multidisciplinary oncology research center - Research and teaching functions of the oncology center
 P02CA-12197-03 0004 Multidisciplinary oncology research center - Metabolism of leukocytes in myeloproliferative disorders (human)
 P02CA-12197-03 0008 Multidisciplinary oncology research center - Nucleic acid methylases in normal and neoplastic human tissues
 P02CA-12197-03 0013 Multidisciplinary oncology research center - Evaluation of liver function and hepatic fibrosis in leukemic patients
 ** P02CA-12197-03 0021 Multidisciplinary oncology research center - Drug research laboratories objectives and requirements
 ** R01CA-12205-03 Preparation and properties of showdownin analogs
 ** R01CA-12231-03 Synthetic macromolecules as anti-tumor agents
 ** P02CA-12247-03 0003 Pediatric oncology center - Platelet kinetics (human)
 P02CA-12247-03 0015 Pediatric oncology center - Infectious disease control (human)
 R01CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
 ** R01CA-12317-03 Antitumor agents from plants (mice, rats)
 ** R01CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
 ** R01CA-12334-03 Action of aminonucleoside on normal and cancer cells
 ** R01CA-12359-03 Tree sap extracts for cancer chemotherapy screening
 ** R01CA-12360-04 Studies in medicinal chemistry-Antitumor agents
 ** R01CA-12361-03 Synthesis of homologs of anticancer alkaloids
 R01CA-12383-03 Asparagine analogs effects of allograft, leukemia (mice)
 R01CA-12404-04 Oncolysis by tumor antibody-diphtheria toxin conjugates (mice, guinea pig, human)
 R01CA-12422-03 Nucleosides of biosugars
 R01CA-12429-03 Molecular mechanisms of drug action (Bacillus subtilis)
 ** R01CA-12462-04 Magnetic resonance studies of biological interactions
 R01CA-12404-04 Immune reactivity and oncogenic virus infections (mice)
 R01CA-12491-03 Viral induction of thymic lymphosarcomas in rats (also mice)
 ** R01CA-12528-03 Hydroxylamine derivatives
 ** R01CA-12568-04 Chemical studies on potential antitumor agents
 ** R01CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
 R01CA-12591-03 Synthesis of new ribonucleoside 3, 5 cyclic phosphates
 ** R01CA-12617-03 Synthesis of isoprenoid anti-tumor compounds
 ** R01CA-12618-01 Cancer inhibitors from asclepias
 ** R01CA-12626-03 Cytotoxic antitumor antibodies (rabbits, mice, humans)
 R01CA-12642-03 Inhibitors of asparagine synthesis (mice, rats, human, pigs)
 R01CA-12657-03 Synthesis of streptonigrin and related compounds
 ** R01CA-12658-03 Total synthesis of a potential anti-tumor lactone
 P01CA-12662-03 0004 Cancer research center - Proliferation and differentiation of stem cells (mice, rabbits)
 ** R01CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
 ** R01CA-12733-03 Anti-leukemic narcissus alkaloid
 R01CA-12736-02 Leucogenol and basic compounds of the adrenals (rat)
 R01CA-12763-03 Mutation repair and environmental carcinogens
 ** R01CA-12764-03 Selective inhibitors of cancer metastasis (mice, rats)
 ** R01CA-12791-03 Pharmacology of platinum compounds (mice)
 P01CA-12800-03 0011 Immune functions and cancer - Preclinical immunotherapy (mice)
 ** R01CA-12816-07 Cyclic aminimides as alkylating agents (bacteria)
 ** R01CA-12823-03 Pyrrodo 2, 3-D pyrimidine nucleosides as antitumor agents
 R01CA-12827-03 Immunotherapy of acute leukemia (humans)
 ** R01CA-12831-03 Plant tumor inhibitors
 R01CA-12876-03 Chemical and biochemical studies of pteridines (bacteria, animals)
 R10CA-12880-03 Eastern cooperative oncology group (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-12924-03 0026 Tufts cancer research center - Cyclophosphamide activating enzymes
- ** R01CA-12938-03 chemotherapy New alkylating agents for cancer
- R01CA-12940-02 Methods of synthesis of indoles and indole alkaloids
- ** R01CA-12951-02 Mechanisms of binding of chromomycins to DNA
- ** R01CA-12961-03 and peristylane Tumor inhibitors from dodecahedrane
- ** R01CA-12984-03 Glyoxalase I mechanism - Tumor growth inhibitors
- ** R01CA-13001-02 Characterization of anti-tumor principles from plants
- ** P01CA-13038-03 0038 Experimental therapeutics and cancer drug program - Antitumor activity of new drugs and combinations
- P01CA-13038-03 0039 Experimental therapeutics and cancer drug program - Reversal of methotrexate by allopurinol
- ** P01CA-13038-03 0042 Experimental therapeutics and cancer drug program - Preliminary evaluation of new drugs in mice
- ** P01CA-13038-03 0043 Experimental therapeutics and cancer drug program - Preclinical toxicological study of 3-deazaauridine (dogs)
- ** P01CA-13038-03 0044 Experimental therapeutics and cancer drug program - Toxicity of pyrimidine antineoplastic agents on rats
- P01CA-13038-03 0045 Experimental therapeutics and cancer drug program - Estimation of guanazole in plasma or blood
- P01CA-13038-03 0051 Experimental therapeutics and cancer drug program - Meperidine interaction with anesthetics and anticancer agents
- P01CA-13038-03 0060 Experimental therapeutics and cancer drug program - Intestinal toxicity prevention by testosterone (mice)
- P01CA-13038-03 0061 Experimental therapeutics and cancer drug program - Methylglyoxal-bis(guanyldiazotane) and spermidine
- P01CA-13038-03 0062 Experimental therapeutics and cancer drug program - Structure-activity relationships among guanyldiazotanes
- P01CA-13038-03 0063 Experimental therapeutics and cancer drug program - Biochemistry of guanazole action on mouse leukemia L1210
- P01CA-13038-03 0066 Experimental therapeutics and cancer drug program - Incorporation of plasma membrane precursors
- P01CA-13038-03 0067 Experimental therapeutics and cancer drug program - L1210 cells in tissue culture
- ** P02CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)
- ** P02CA-13053-03 0032 Clinical cancer radiation therapy research center - Effect of antineoplastic agents on murine lymphosarcoma 6C3HED
- ** P02CA-13053-03 0036 Clinical cancer radiation therapy research center - Serum levels of anticancer agents (mice)
- P02CA-13053-03 0041 Clinical cancer radiation therapy research center - Mathematical modelling in malignant diseases (mice)
- ** P02CA-13053-03 0043 Clinical cancer radiation therapy research center - Use of in vitro colonies as a model for solid tumors (human, mice, hamsters)
- ** P02CA-13053-03 0063 Clinical cancer radiation therapy research center - Repopulation of stem cells following chemotherapy (mice)
- P02CA-13053-03 0065 Clinical cancer radiation therapy research center - Colony formation of peritoneal exudate cells in culture (mice)
- ** P02CA-13053-03 0073 Clinical cancer radiation therapy research center - Action and interaction of anticancer agents at the cellular level (mice)
- ** P02CA-13053-03 0083 Clinical cancer radiation therapy research center - Effects of anticancer agents on synchronized mammalian cells
- P02CA-13053-03 0085 Clinical cancer radiation therapy research center - Growth properties in cell population kinetics of murine tumors
- P02CA-13053-03 0086 Clinical cancer radiation therapy research center - Combined effects of amphotericin B and BCMJ in leukemic mice
- R01CA-13068-03 Interferon inducers and mammalian cell division (mice, rats)
- ** R01CA-13099-03 Investigation of the antitumor activity of CuKTS
- P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
- R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
- R01CA-13118-03 Preparation of L-3-amino-nucleosides and nucleotides
- ** R01CA-13119-02 Colchicine derivatives as antileukemic agents
- R01CA-13120-03 Maleimide derivatives as cancer chemotherapeutics
- ** R01CA-13121-16 Studies in phytochemistry (compositae)
- ** R01CA-13123-03 Hydrazo, nitroso and adamantly phosphorus oncotics
- R01CA-13145-03 Glycolipid metabolism and tumorigenesis (human, mammals, birds, fish)
- P02CA-13148-03 0016 Pilot cancer center - Daunomycin in childhood leukemia
- ** P02CA-13148-03 0017 Pilot cancer center - Cytosine arabinoside leukemia therapy
- P02CA-13148-03 0046 Pilot cancer center - Adult acute leukemia
- ** P02CA-13148-03 0008 Pilot cancer center - Antineoplastic properties of histidase and arginine decarboxylase (human, mice)
- ** R01CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
- R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
- R01CA-13188-03 Cancer immunotherapy by bulk LATCH culture (dogs, mice)
- R01CA-13190-02 Human tumor-specific immunity
- ** R01CA-13192-02 Cell-mediated immunologic destruction of tumor cells (human, guinea pigs, mice)
- ** R01CA-13199-03 Synthesis and reactions of alkylating agents
- ** R01CA-13201-03 Potential carcinostatic sulfinyl derivatives
- R01CA-13206-03 Pharmacology of repressible mixed-function oxidases (rats, guinea pigs)
- ** R01CA-13246-03 Interaction of anticancer drugs with macromolecules (human, hamsters)
- ** R01CA-13259-02 Enzyme injections and tumor growth (human, mice)
- ** R01CA-13268-03 A search for tumor inhibitors from sarracenia (angiosperms)
- R01CA-13278-06 Synthesis of ergolines and related compounds (rats, mice)
- ** R10CA-13290-03 Clinical pharmacology (dogs, rodents, human)
- ** P01CA-13330-03 0005 Cancer research program - Drug metabolism and pharmacology
- P01CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)
- ** P01CA-13330-03 0048 Cancer research program - Biochemical pharmacology of anti-tumor drugs
- R01CA-13401-03 5-BUDR effects on polyoma and SV40 transformed cells (mice)
- ** R01CA-13449-02 Antitumor components from animal venoms (mice)
- R01CA-13592-05 Ribosomal mapping with carbocyclic puromycin analogs (bacteria)
- ** R01CA-13616-02 Metabolism of naturally occurring antitumor compounds
- ** R01CA-13625-03 0001 Myeloma tumors in cell culture - Loss of oncogenicity (mice)
- ** R01CA-13648-02 Antitumor agents from natural sources (plants, mammals)
- R01CA-13657-05 Control of ribonucleotide reduction in eukaryotes (yeasts, mammals)
- R01CA-13685-02 Total synthesis of cephalotaxine
- ** R01CA-13689-02 Tumor inhibitors-synthesis of vernolepin
- P02CA-13696-02 0004 Clinical cancer research center - Effects of viruses on hemopoietic cells (mice, human)
- R01CA-13712-02 Effect of asparaginase on sensitivity to other drugs (mice, human)
- ** R01CA-13715-02 Amelioration of enhanced toxicity of antitumor drugs (mice)
- ** R01CA-13776-02 S-adenosylmethionine analogs as antitumor agents (mice, rats)
- ** R01CA-13786-01 Microbial transformations-Natural antitumor agents
- ** R01CA-13802-02 Analogs of decorynine as potential antitumor agents
- ** R01CA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
- R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
- ** R01CA-13862-02 Genetic studies on cancer control (mice)
- ** R01CA-13907-02 Growth hormone and sulfation in acute leukemia (children, rats)
- ** R01CA-13911-02 Synthesis of CNS antitumor agents
- ** P02CA-13943-02 0001 Clinical pharmacology immunology cancer research center - Synthesis of 5'-substituted purine ribosides
- ** P02CA-13943-02 0002 Clinical pharmacology immunology cancer research center - Synthesis of ARA-6-seleno purino and derivatives
- ** P02CA-13943-02 0003 Clinical pharmacology immunology cancer research center - Synthesis of 2- and 4-seleno uridylic acid
- ** P02CA-13943-02 0004 Clinical pharmacology immunology cancer research center - Nitrogen mustard analog of cytosine
- ** P02CA-13943-02 0005 Clinical pharmacology immunology cancer research center - Preparing 75 SE-labeled selenium compounds
- ** P02CA-13943-02 0006 Clinical pharmacology immunology cancer research center - Synthesis of potential CNS antitumor agents
- ** P02CA-13943-02 0007 Clinical pharmacology immunology cancer research center - Antitumor agents from marine organisms and algae
- ** P02CA-13943-02 0008 Clinical pharmacology immunology cancer research center - Cell culture studies of synthetics
- ** P02CA-13943-02 0009 Clinical pharmacology immunology cancer research center - Predictive tests in culture of human leukemic cells
- ** P02CA-13943-02 0010 Clinical pharmacology immunology cancer research center - Combination chemotherapy
- P02CA-13943-02 0011 Clinical pharmacology immunology cancer research center - Inhibition of RNA and protein synthesis
- ** P02CA-13943-02 0012 Clinical pharmacology immunology cancer research center - Animal tumor studies and toxicology (mice, rats)
- ** P02CA-13943-02 0018 Clinical pharmacology immunology cancer research center - Prediction of clinical toxicity due to chemotherapy (rats, human)
- P02CA-13943-02 0025 Clinical pharmacology immunology cancer research center - Assay procedure for measuring immune response in balanced immune reactions (mice)
- P02CA-13943-02 0035 Clinical pharmacology immunology cancer research center - Rational drug combinations
- P02CA-13943-02 0036 Clinical pharmacology immunology cancer research center - Combination chemotherapy with intracerebral L-asparaginase (human, mice)
- ** P02CA-13943-02 0037 Clinical pharmacology immunology cancer research center - Drug metabolism in combination chemotherapy (human)
- ** P02CA-13943-02 0040 Clinical pharmacology immunology cancer research center - Drug biotransformation and disposition (human, mammals)
- P02CA-13943-02 0041 Clinical pharmacology immunology cancer research center - Measurement of immune responses to tumors in cancer patients
- P02CA-13943-02 0055 Clinical pharmacology immunology cancer research center - Leukemia-lymphoma research project (human)
- ** P02CA-13943-02 0058 Clinical pharmacology immunology cancer research center - Evaluation of neutrophil phagocytic function in patients
- ** P02CA-13943-02 0065 Clinical pharmacology immunology cancer research center - Cellular immunity in bronchogenic carcinoma (human)
- P02CA-13943-02 0069 Clinical pharmacology immunology cancer research center - Response genito-urinary tumors (human, hamsters, rats)
- ** R01CA-13963-02 Synthetic and physical studies of anticancer agents
- ** R01CA-13964-02 Tetrahydropyridines in cancer chemotherapy
- ** R01CA-13968-02 Electrostereochemical properties of cyclic carcinostats
- ** R01CA-13986-01 Immunologic prevention of chemically-induced cancer (rats)
- R01CA-13996-02 Podophyllin components and analogs-antimitotics
- R01CA-14003-02 Lipid control of growth of normal and tumorigenic cells (mice, human)
- ** R01CA-14014-02 Synthesis of antitumor agent harringtonine
- R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
- R10CA-14028-01 Southwest Cancer Chemotherapy Study Group
- R01CA-14030-02 Regulation of metabolism by purine interconversions (rats, mice)
- ** R01CA-14078-02 Development of new anticancer agents (mice, rats)
- ** P01CA-14089-01 0020 Pilot multidisciplinary cancer research program - Pharmacokinetics of antineoplastic agents (mammals)
- ** P01CA-14089-01 0023 Pilot multidisciplinary cancer research program - Optimization of cancer chemotherapy using radiopharmaceutical (mammals)
- ** P01CA-14089-01 0042 Pilot multidisciplinary cancer research program - Clinical and molecular pharmacology
- ** P01CA-14089-01 0062 Pilot multidisciplinary cancer research program - Advanced therapeutics
- ** P01CA-14089-01 0064 Pilot multidisciplinary cancer research program - Radiopharmaceutical and radiochemical support
- R01CA-14102-03 Kinetics of monoclonal plasma cell neoplasia of man
- ** R01CA-14126-02 Myeloma-induced inhibitor of lymphocyte function (mice)
- R01CA-14153-01 Cyclosporine and cycloglutamine RNA synthetic patterns as a biochemical test in leukemia (human)
- R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
- ** R01CA-14188-02 Anti-tumor effect of cyclophosphamide (hamsters)
- ** P01CA-14195-01 0019 Core grant-Regulation, the cell membrane and cancer - Synthesis and chemotherapy of nucleic acid analogs
- ** R01CA-14223-02 Measurement of cell response to anticancer drugs
- ** R01CA-14237-02 Synthesis of antitumor indole alkaloids
- ** R01CA-14322-02 Anticancer action and mechanism of nucleotide analogs

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**Oriented significantly to above subject.

† Grant has subprojects describing specific research aspects.

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- R01CA-14343-01 Heterosteroids-Anticancer agent potentiators (mice rats)
- R01CA-14378-05 Biosynthesis of the mitomycin antibiotics
- P01CA-14395-02 0031 Cancer research center of Greater Miami - DNA synthesis and drug effects in skin cancer (human)
- ** R01CA-14403-02 Practical total synthesis of cephalotaxine
- ** R01CA-14405-02 Mechanism of anti-tumor effects of polyacetylenes
- R01CA-14432-02 Tumor cell proliferation (rats)
- ** R01CA-14460-01 Immunotherapy combined with surgery and chemotherapy
- ** R01CA-14477-02 Potential anti-tumor agents and esterase inhibitors
- ** R01CA-14500-02 Biologically significant polycyclic derivatives
- ** R01CA-14511-02 Photosynthesis of antiviral and antitumor drugs
- ** P02CA-14520-02 0012 Wisconsin Clinical Cancer Center - Clinical investigation of therapy for solid tumors
- R01CA-14532-02 Pathophysiology of leukemia in guinea pigs
- ** R01CA-14538-02 L-asparaginase enzymology-Side effects of chemotherapy (bacteria)
- R01CA-14615-01 Synthesis and evaluation of new folate antagonists
- ** R01CA-14656-02 Polyenes as antitumor agents (mice)
- ** R01CA-14697-02 Specific anti-tumor activity by "armed" lymphoid cells (mice)
- ** R01CA-14750-02 Cytotoxic selectivity of anticancer drugs (mice, hamsters, rats)
- R01CA-14821-02 Steroid hormone control of tumor cell growth in vitro (hamsters)
- R01CA-14825-02 Topical nitrosoureas in mycosis fungoides (mice)
- R01CA-14828-01 0005 Molecular mechanisms in carcinogenesis - RNA-instructed DNA polymerases and other nucleic acid polymerases (rats)
- ** R01CA-14832-02 Antitumor complexes
- R01CA-14914-01 Lipids in carcinogenesis (rats)
- R01CA-14969-02 0003 Radionuclide studies of tumors and growth - Production of radionuclides for studying inorganic antitumor agents
- ** R01CA-14969-02 0004 Radionuclide studies of tumors and growth - Cis-dichlorodiammine platinum as an antitumor agent (human, dogs, rabbits)
- ** R01CA-14969-02 0005 Radionuclide studies of tumors and growth - Molecular basis of action of cis-dichlorodiammine platinum (mammals nonhuman)
- ** R01CA-14986-01 Inhibitors of normal and malignant lymphoid tissue
- ** R01CA-15004-01 Syntheses of potential antitumor and antiviral agents
- ** R01CA-15005-01 Rational modification of some antitumor agents (human)
- ** R01CA-15029-01 Synthesis of septacidin analogs as antitumor drugs
- R01CA-15036-02 A phosphoribosyltransferase from leukemic cells
- ** R01CA-15056-01 Antineoplastic peptides from urine
- ** R01CA-15061-01 Synthesis of the potent antileukemic agent adriamycin
- P02CA-15083-01 0006 Cancer Center Support Grant-Mayo Foundation - Basic science in cancer
- P02CA-15083-01 0013 Cancer Center Support Grant-Mayo Foundation - Management of lymphoma (human)
- R01CA-15086-01 Nuclear synthesis and modification of RNA (rats)
- ** R01CA-15087-01 Growth control of SV40 virus transformed 3T3 cells
- R01CA-15142-01 Cancer chemotherapy and immunologic effects
- R01CA-15143-01 Bisquarylhydrazones, polyamines and cell proliferation (mice)
- P02CA-15145-01 0016 Cancer center support grant - Control of cell division (tissue culture)
- P02CA-15145-01 0039 Cancer center support grant - Quantitative electron microscopy of leukemic cells (human)
- P02CA-15145-01 0043 Cancer center support grant - Adjuvant cancer chemotherapy trials in treatment of colon and lung cancer (human)
- ** R01CA-15171-01 Structures of antitumor azapurines and azapyrimidines
- R01CA-15185-02 Establishment and use of animal lymphocyte lines (mice, rats)
- ** R01CA-15192-01 Cancer Center Support Grant Specialized Antineoplastic principles (mice)
- ** R01CA-15230-01 Double intercalators as anticancer agents (mice)
- ** R01CA-15325-01 Antitumor active components of BCG cell walls
- R01CA-15396-01 Bone marrow transplantation program in human disease
- ** R26CA-15416-02 Prostatic DNA synthesis-A screen for cancer chemotherapeutic agents (rats)
- R01CA-15423-02 Polar corticoids in guinea pigs and cancer (also human, rats, mice)
- R01CA-15435-02 0001 Pharmacokinetics of brain tumor chemotherapy - Precise anatomic localization of rat glioma (monkeys)
- ** R26CA-15436-01 Test systems for drugs against prostatic cancer (rats, dogs, baboons)
- R10CA-15485-01 Eastern Cooperative Oncology Group
- ** R01CA-15529-01 Antitumor agents-New compounds and new syntheses
- R01CA-15535-01 Specific inhibition of dihydrofolate reductase
- R01CA-15549-01 Neoplastic-normal cell coaggregates (mice)
- ** R01CA-15577-01 Tumor cell inhibition by nucleotide aldehyde analogs (LIZO)
- ** R01CA-15583-01 New approaches to cancer chemotherapy (mice)
- R01CA-15590-01 Antitumor agents from West African plants
- ** R01CA-15605-01 Chemotherapeutic agents and ultraviolet carcinogenesis (mice)
- R01CA-15616-01 DNA synthesis and antitumor drugs
- ** R01CA-15628-01 Pyrrole derivatives as anticancer agents
- R01CA-15655-01 0026 Cancer center support grant - Tissue proteinases and inhibitors in cell growth (mammals)
- ** R01CA-15655-01 0029 Cancer center support grant - Cancer chemotherapeutic agents from marine organisms (conulariaria)
- ** R01CA-15655-01 0031 Cancer center support grant - Marine environment program
- ** R01CA-15674-01 Chemical modification of antitumor enzymes
- ** R01CA-15675-01 Design and evaluation of antitumor nucleoside analogs
- ** R01CA-15687-01 CAMP analogs as growth regulators in hepatoma cells
- ** P02CA-15688-01 0004 Program in medical oncology - Vitamin B12 antagonists as anti-cancer agents
- P02CA-15688-01 0006 Program in medical oncology - Defective leukocyte syndromes (human)
- P02CA-15688-01 0009 Program in medical oncology - Chemotherapy and autologous marrow transplantation (monkeys, mice)
- P02CA-15688-01 0018 Program in medical oncology - Interaction of chemotherapeutic agents (mice)
- P02CA-15688-01 0019 Program in medical oncology - Interacting effects of anticancer and other drugs (mice)
- ** P02CA-15688-01 0020 Program in medical oncology - Myeloma kinetics (human)
- R01CA-15704-01 0004 Cancer center support grant - Oncologic organic chemistry
- R01CA-15704-01 0028 Cancer center support grant - Oncologic pharmacology (human)
- ** R01CA-15736-01 Synthesis of tumor inhibitory sesquiterpenoids
- ** R01CA-15759-01 Synthesis of the antileukemic lignan steganacin
- R01CA-15769-01 Chemotherapy-Cytotoxicity, repair and its inhibition (tissue culture, mice)
- ** R01CA-15771-01 Potential carconostatic trihiazines
- R01CA-15820-01 0005 Comparative Oncology Research Program - Therapeutic studies-Normal tissue response
- ** R01CA-15824-01 Synthesis of antileukemic analogs of quassin
- R01CA-15848-01 New approaches to tumor immunotherapy
- R01CA-15858-01 Control of growth of malignant cells by serum factors (mouse fibroblast)
- ** R01CA-15865-01 Inhibition of melanomas by cell walls and lipids (mycobacterium, mice)
- ** R01CA-15874-01 Enzymatically generated singlet oxygen in carcinogenesis
- ** R01CA-15879-01 Stereochemical principles for anti-cancer drugs
- ** R01CA-15883-01 Agents inhibiting phosphodiesterases of cancer cells (mice, human)
- R01CA-15891-01 Mechanism of lysozyme action on mammalian cells (human, chicken)
- ** R01CA-15898-01 Cytotoxic agents affecting cell membrane biogenesis
- M R01CA-15909-01 Drug development-human leukemia growth factors
- ** R01CA-15909-01 0001 Drug development-human leukemia growth factors - Human leukemic cells and anticancer agents in culture
- ** R01CA-15909-01 0002 Drug development-human leukemia growth factors - Drug combination studies (mice, human)
- ** R01CA-15909-01 0003 Drug development-human leukemia growth factors - Cell culture studies of synthetic and natural products (mice, human)
- ** R01CA-15909-01 0004 Drug development-human leukemia growth factors - Animal tumor studies and toxicology (mice, rats)
- R26CA-15933-01 Primary urinary bladder neoplasms (human)
- ** P01CA-15936-01 0001 Specialized Cancer Center - Preclinical chemotherapy (mammals, human)
- ** P01CA-15936-01 0002 Specialized Cancer Center - Potato phenylalanine ammonia-lyase antitumor activity (human, mice)
- ** P01CA-15936-01 0003 Specialized Cancer Center - Early clinical trial (human)
- ** P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
- ** P01CA-15936-01 0005 Specialized Cancer Center - Drugs (dog, monkey, human)
- P01CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
- R10CA-15947-01 Eastern Cooperative Oncology Group
- R10CA-15977-01 Gynecologic Oncology Group
- ** R01CA-15980-01 Treatment of malignant disease of brain (monkeys)
- R01CA-15991-01 Melanin synthesis in human melanomas
- ** R01CA-16003-01 Enzyme loading of red blood cells (rats)
- ** R01CA-16014-01 Preclinical evaluation of ericitin (mice)
- R01CA-16034-01 Mitosis promotion in lymphoma cells and chemotherapy
- P01CA-16038-01 0013 Program on the molecular basis of viral transformation - Regulation of cell division and DNA synthesis by parvovirus structural proteins
- ** R01CA-16049-01 Naturally occurring antineoplastic agents (marine animals, arthropods, plants)
- ** R01CA-16053-02 Determinants of drug response in neoplastic cells (mice, bacteria)
- ** R01CA-16068-01 Total synthesis of crotoposide, an antitumor compound
- ** R01CA-16070-01 Vincristine and vinblastine derivatives and models
- ** R26CA-16077-01 Drug development for prostatic carcinoma (human, hamsters)
- P01CA-16127-01 0004 Cancer Research and Treatment Center Program - Cancer chemotherapy evaluation
- R01CA-16147-01 Regulation of the hemopoietic stem cell
- ** R01CA-16153-01 Basic approach to improved antifolate cancer therapy
- ** R01CA-16154-01 D-glucosamine-Potentiator in cancer chemotherapy
- ** R01CA-16156-01 Metals and antitumor activity of thiosemicarbazones
- R01CA-16157-01 Pharmacology of the vinca alkaloids (tissue culture)
- ** R01CA-16158-01 Synthesis and stereochemistry of new anticancer drugs
- ** R01CA-16206-01 Ricin-A plant agglutinin with antitumor properties
- ** R01CA-16219-01 Potential antiviral and antineoplastic agents (mice)
- ** R01CA-16220-01 Potential anti-carcinogenic alkylating agents
- R01CA-16225-01 RNA polymerase from chicken and human leukemic cells
- ** R01CA-16237-01 Crystallographic studies on the enzyme L-asparaginase (*Proteus vulgaris*)
- ** R01CA-16253-01 Respiratory inhibitors as antineoplastic agents
- ** R01CA-16267-01 Chemical investigation of Hawaiian marine algae
- R01CA-16318-01 Molecular mechanisms in resistance to folate analogues (mice)
- P01CA-16359-01 0002 Cancer center support grant - Isolation of lymphocytes using electronic cell sorter
- P01CA-16359-01 0012 Cancer center support grant - Chemical structure and possible antitumor activity of acridines
- ** P01CA-16359-01 0016 Cancer center support grant - L-Asparaginase
- ** P01CA-16359-01 0019 Cancer center support grant - Antitumor activity of 5-hydroxy-2-formylpyridine thiosemicarbazone
- P01CA-16359-01 0020 Cancer center support grant - The hepatocarcinogen urethan
- ** R26CA-16418-01 Steroids with cytotoxic effects on the prostate (rats)
- ** R01CA-16425-01 Colchicine derivatives as antitumor agents (mice)
- R01CA-16616-01 Synthesis of macrocyclic natural products
- ** R26CA-16763-01 Antitumor agents on human colon carcinoma cells
- R01CA-16890-01 Chemotherapeutic deoxyribonucleosides
- R13CA-16893-01 Workshop on marine bioactive substances research
- R01CA-16903-01 Vinyl trifluoromethanesulfonate chemistry
- ** R01CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
- R01CA-16912-01 Thio and seleno sugar esters of group V acids
- R01CA-16967-01 Vincristine and vinblastine derivatives and models
- R01CA-16968-01 Influence of metal complexes on DNA
- ** N01CB-02208-04 Pre-clinical studies on tumor protective activity of MER (mice, guinea pigs)
- N01CB-43877-00 Immunotherapy-Mechanism of action of immunopotentiators (mice)
- N01CB-43906-00 Growth alteration of mammary neoplastic cells (human, animals)
- N01CB-43932-00 Mechanisms for cell-mediated destruction of tumor cells
- ** N01CB-60968-14 Automated methods for steroid hormone metabolites
- ** N01CM-02055-13 Preclinical evaluation of compounds (mice, rats, dogs, monkeys)
- ** N01CM-02083-12 Pharmacology of anti-leukemic and other anticancer drugs (monkeys, dogs, rodents)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- NO1CM-02136-05 Pharmacology of new antitumor agents (human, mammals, nonhuman)
- ** NO1CM-02225-07 Test for cytotoxicity of chemical agents
- ** NO1CM-12098-11 Analysis, testing and evaluation of anti-cancer agents (mammal, nonhuman)
- ** NO1CM-12099-07 Extraction of tumor inhibitors
- ** NO1CM-12127-03 Antitumor resistance by extract of tubercle bacilli (human, mice)
- NO1CM-12139-04 Prepare oral dosage forms
- NO1CM-12162-04 Preparation of radiolabeled chemicals and drugs
- ** NO1CM-12165-04 Preparation of bulk chemicals and drugs
- ** NO1CM-12184-04 Pharmacokinetics of anticancer drugs
- ** NO1CM-12185-05 Research on carcinoma of the breast (human)
- ** NO1CM-12188-04 Biochemical screening for anti-cancer agents (mammals)
- NO1CM-12192-04 Toxicology of antineoplastic agents (mammals)
- ** NO1CM-12259-06 New agent screening for chemotherapy cancer use (mice)
- ** NO1CM-12308-05 Isolate antitumor agents from natural products
- NO1CM-12309-04 Synthesis of coordination compounds as potential antitumor agents
- ** NO1CM-12314-04 Operate a synthesis laboratory
- ** NO1CM-12339-05 Biochemical screening for anticancer agents
- ** NO1CM-12340-07 Develop new approaches to cancer chemotherapy (human)
- ** NO1CM-22002-05 Provision of commercially unobtainable compounds
- NO1CM-22042-02 Preparation and testing of vitamin B12 analogs (mice)
- NO1CM-22053-04 Liaison office for cancer chemotherapy
- NO1CM-22054-04 Establish cancer liaison office in Japan
- ** NO1CM-22078-04 Develop active antitumor agents from natural sources
- ** NO1CM-23200-03 Metabolism of antineoplastic agents (rats)
- ** NO1CM-23201-04 Metabolism of antineoplastic agents (mammals)
- ** NO1CM-23203-05 Synthesis of cancer chemotherapy compounds
- ** NO1CM-23223-03 Synthesis of vinblastine, vincristine and related anti-tumor agents
- ** NO1CM-23241-04 Distribution, disposition, and metabolism of antineoplastic agents
- ** NO1CM-23242-02 Distribution, disposition and metabolism of antineoplastic agents
- ** NO1CM-23257-04 DR and D chemotherapy biological data processing system
- ** NO1CM-23704-03 Screening agents for cancer chemotherapy (rodents)
- ** NO1CM-23705-03 Collecting chemical compounds and drugs for antitumor testing
- NO1CM-23707-05 Preparation of bulk chemicals and drugs
- NO1CM-23708-04 Preparation of bulk chemicals and drugs
- ** NO1CM-23710-03 Synthesis of potential antiviral-anticancer purine nucleosides
- ** NO1CM-23712-03 Effects of anticancer agents on reproduction (rats, mice, rabbits)
- ** NO1CM-23717-02 Chemotherapeutic response of tumors and the granulocyte system (mammals nonhuman)
- NO1CM-23719-03 Synthesis of CNS-antitumor agents
- NO1CM-33706-05 DR&D biological data processing system
- ** NO1CM-33706-03 Pharmacologic and carcinogenic studies in neonatal primates (mice)
- ** NO1CM-33709-02 Resynthesis of drugs and chemicals
- ** NO1CM-33711-01 Selection and design of promising anticancer agents
- ** NO1CM-33712-03 Synthesis of potential anticancer agents
- NO1CM-33714-01 Clinical trials for breast and gastrointestinal cancer and brain tumors
- ** NO1CM-33720-01 Collection and screening of antineoplastic agents (mammals)
- ** NO1CM-33724-01 Synthesis of derivatives of 3-formylrifamycin-SV
- ** NO1CM-33726-01 Evaluate antitumor properties of streptovaricin (mice)
- ** NO1CM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
- ** NO1CM-33728-02 Chemotherapy, drug distribution and genetic center
- ** NO1CM-33733-01 Bioautographic studies of cytotoxic samples from plants (mammals)
- ** NO1CM-33742-02 Synthesis of potential anti-cancer agents
- ** NO1CM-33743-02 Synthesis of unique compounds for cancer chemotherapy studies
- ** NO1CM-33747-02 Collection of indigenous and exotic plants
- NO1CM-33748-01 Human dihydrofolate reductase (human, animals)
- ** NO1CM-33750-01 Collection, fractionation and purification of plant extracts
- ** NO1CM-43701-00 Development and production of antitumor agents
- NO1CM-43703-00 Chemotherapy of ovarian carcinoma (human)
- ** NO1CM-43705-00 Intrathecal toxicity of antineoplastic agents (Rhesus monkeys)
- ** NO1CM-43707-00 Preparation of plant extracts
- ** NO1CM-43730-00 Cancer chemotherapeutic drugs and in-vivo cell population
- ** NO1CM-43731-00 Interaction of anticancer agents at the cellular level
- ** NO1CM-43736-00 Model system development and agent collection (mice)
- ** NO1CM-43746-00 Protocol toxicology prime contractor
- NO1CM-43753-01 Drug research, development, evaluation and screening
- ** NO1CM-43755-00 Services in support of primary drug screening program
- ** NO1CM-43756-00 Analysis, testing and evaluation of anti-cancer agents (mammals, non-human)
- ** NO1CM-43759-00 Antineoplastic compounds using transformations and co-oxidations
- NO1CM-43760-00 Maintenance of virus diagnostic laboratory (mice, rats, hamsters)
- ** NO1CM-43761-00 Synthesis of unique compounds for cancer chemotherapy
- ** NO1CM-43762-00 Synthesis of potential anticancer agents
- ** NO1CM-43778-00 Synthesis of nitrogen heterocycle compounds as potential antitumor agents
- ** NO1CM-43779-00 Synthesis of nitrogen heterocycle compounds as potential antitumor agents
- ** NO1CM-43780-00 Pharmacological studies of antitumor agents (animals)
- ** NO1CM-43784-00 Biochemistry and molecular biology of antitumor drugs (tissue culture, mammals)
- ** NO1CM-43785-00 Characterization of antitumor drugs—Profile of drug interactions
- ** NO1CM-43786-00 Characterization of antitumor drugs; effects on polynucleotide metabolism
- ** NO1CM-43787-00 Antitumor drugs and effects on protein synthesis (mammals)
- ** NO1CM-43790-00 Antitumor drugs—Effects on folate metabolism
- ** NO1CM-43791-00 Combined use of radiotherapy and clinically established antitumor drugs
- NO1CM-43793-00 Storage and distribution of chemicals and drugs used in cancer chemotherapy
- ** NO1CM-43801-00 Phase I studies of new anticancer agents (human)
- ** NO1CM-43802-00 Phase I studies of new anticancer agents (human)
- ** NO1CM-43803-00 Studies of new anticancer agents
- ** NO1CM-43804-00 Phase I studies of new anticancer agents (human)
- NO1CM-50654-21 Distribution of antileukemic drugs
- ** NO1CM-60029-20 Biochemical problems related to cancer chemotherapy
- ** NO1CM-60494-17 Screening of synthetic materials
- NO1CM-60506-15 Synthetic and biochemical approaches to cancer chemotherapy
- ** NO1CM-61156-13 Studies of antitumor agents
- ** NO1CM-70747-10 Preparation of plant extracts
- NO1CM-71343-12 Development of a lymphoma treatment center
- ** NO1CM-81021-10 Screening chemical agents against animal tumors (mice)
- ** NO1CM-81300-08 Experimental cancer chemotherapeutic agents preparation laboratory
- ** NO1CM-90035-14 Development of antitumor agents
- NO1CM-92004-10 Synthesis of new nitrogen heterocyclic compounds
- ** NO1CM-92019-09 Tumor inhibitory substances in plants
- NO1CM-95015-03 Prototypic clinical chemotherapy program in cancer control
- NO1CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- ** NO1CO-45422-00 International conference for anti-tumor drugs
- NO1CP-23221-02 Mycobacteria as inhibitors of tumor cell growth (mammals)
- ** NO1CP-33214-03 Carcinogenicity of chemotherapeutic agents and related chemicals (rats, mice)
- NO1CP-33287-01 Definition of sensitivity of carcinogenesis bioassay systems (mice)
- NO1CP-43251-00 Viral transformation and chromosomal aberrations in human tumors
- NO1CP-45600-00 Determining the effect of chronic immunosuppression (mice)
- P13DE-02731-08 0005 Development support for dental research institute - Dental research (rats, cattle, human)
- RO1GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- ** RO1GM-06635-14 Characterization and specificity of enzyme systems
- RO1GM-09686-13 Chemistry of natural products
- RO1GM-10366-11 Biosisoteres of biologically active indoles
- RO1GM-10848-17 NMR spectroscopy of biologically important compounds (human)
- RO1GM-13598-09 Steroids, prostaglandins-synthetic designs
- ** P11GM-14270-08 0045 Human drug metabolism and toxicology - Cancer drugs-Azacitidine (human)
- ** P11GM-14270-08 0046 Human drug metabolism and toxicology - Cancer drugs-Methotrexate
- ** P11GM-15477-08 0005 Drug metabolism and biochemical pharmacology - Metabolism of cyclophosphamide and separation of metabolites (rats, mice)
- ** P11GM-15477-08 0006 Drug metabolism and biochemical pharmacology - Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice)
- ** P11GM-15477-08 0007 Drug metabolism and biochemical pharmacology - Selective toxicity of cyclophosphamide (rats)
- ** P11GM-15477-08 0119 Drug metabolism and biochemical pharmacology - Principles of drug biotransformation (rats)
- ** P11GM-15477-08 0125 Drug metabolism and biochemical pharmacology - L-cysteine and sodium thiosulfate effect on cyclophosphamide metabolites
- ** P11GM-15477-08 0126 Drug metabolism and biochemical pharmacology - Coadministration of noncytotoxic agent and cytotoxic drug (cell culture)
- P11GM-15559-07 0032 Clinical pharmacology - Metal-containing compounds with cancer chemotherapeutic potential
- ** P11GM-15956-07 0025 Factors affecting the responses to drugs - Warfarin treatment of transplanted fibrosarcoma (rats)
- ** P11GM-15956-07 0047 Factors affecting the responses to drugs - Effect of malignancy on antipyrine metabolism in man
- RO1GM-15997-06 Organic syntheses
- PO1GM-16492-06 0004 Design of chemotherapeutic agents - Synthesis of methionine analogues
- ** PO1GM-16492-06 0005 Design of chemotherapeutic agents - Pharmacological activities of synthetic analogues (rats, yeast, E. coli)
- PO1GM-16492-06 0012 Design of chemotherapeutic agents - Mass spectrometry-Cyclophosphamide (human, mice)
- ** PO1GM-16496-06 0052 Clinical pharmacology-Pharmacokinetics - Anti-cancer drugs in multiple myeloma (human)
- ** PO1GM-16496-06 0053 Clinical pharmacology-Pharmacokinetics - Spleen-colony assay system for bone marrow and leukemia stem cells (mice)
- RO1GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- RO1GM-18595-04 Synthesis of unsubstituted chains of polysaccharides
- PO1GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)
- RO1GM-18796-03 Genetic code, protein synthesis in mammalian systems (rabbits)
- RO1GM-19103-03 Investigations of metabolic systems (plants)
- ** RO1GM-19220-03 Biosynthesis of anti-leukemic Cephalotaxus alkaloids (yeast)
- RO1GM-19775-02 Activation of molecular oxygen by metal peptides
- ** RO1GM-19786-02 Feedback inhibition of indole alkaloid biosynthesis
- RO1GM-20443-02 Construction of biologically important lactones (plants)
- PO1GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
- RO1GM-21182-07 Synthesis of alkaloidal medicinal agents
- RO1GM-21248-01 0001 New applications of mass spectrometry in pharmacology - Metabolism and mode of action of cyclophosphamide (human)
- ** RO1GM-21350-01 Steroids and other biologically active substances in plants (fungi, ferns)
- PO1HD-05221-05 0029 Center grant in mental retardation - Pathologic embryology (rats, monkeys)
- RO1HD-05263-04 Sperm-specific enzymes and male fertility (human, pigeons, mice)
- PO1HD-05797-04 0030 Population and reproductive biology - Estaroproteases and cell growth in tissue culture
- RO1HD-06282-03 Macromolecular interactions during nuclear differentiation (animals)
- RO1HL-07502-10 Phytochemistry of the genus thalictrum (dogs, plants)
- RO1HL-11489-07 Structural investigations on glycosaminoglycans
- RO1HL-12971-12 Reactions of alkaloids and their analogs
- RO1HL-15991-01 Evaluation of heart stimulants in sea anemones
- RO1RS-08620-04 Mechanisms of peripheral nerve dysfunction (human, rats)
- RO1RS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
- RO1RS-10884-01 Prevention of peripheral neuromas with triamcinolone (monkeys, hamster)
- ** RO1RS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
- MO1RR-00030-13 0130 General clinical research center - 4-diamino-5-(3',4'-dichlorophenyl)-6-methyl pyrimidine for leukemia
- ** MO1RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
- MO1RR-00034-14 0031 General clinical research center - Cancer chemotherapy (human)
- ** MO1RR-00039-14 0085 General clinical research center - Plasma clearance and 14C-labeled 5-azacitidine in advanced cancer (human)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** M01RR-00044-14 0086 General clinical research center - Parachlorophenylalanine treatment of patients with malignant carcinoid syndrome
- ** M01RR-00046-14 0044 General clinical research center - Treating multiple myeloma (human)
- M01RR-00047-14 0103 General clinical research center - Childrens cancer study group A
- ** M01RR-00050-13 0060 Wilson's disease - Bicomylin and other antitumor agents in lymphoma and other neoplasms (human)
- ** M01RR-00050-13 0067 Wilson's disease - Evaluation of adriamycin in combination with cyclophosphamide
- ** M01RR-00050-13 0071 Wilson's disease - Evaluation of new agents in patients with lymphoma
- M01RR-00050-13 0072 Wilson's disease - Evaluation of new treatment in patients with metastatic breast cancer
- M01RR-00051-13 0152 General clinical research center - Cancer chemotherapy in solid tumors with poor prognosis (human)
- ** M01RR-00055-13 0113 General clinical research center - Treatment of adrenal cancer with ortho-p DDO (human)
- M01RR-00063-12 0067 General clinical research center - Effectiveness of methotrexate folic acid (human)
- M01RR-00063-12 0068 General clinical research center - L-Asparaginase in acute leukemia (human)
- M01RR-00063-12 0069 General clinical research center - 5-Azacytidine in advanced cancer (human)
- M01RR-00063-12 0071 General clinical research center - BCNU, cytosin and prednisone in myeloma (human)
- M01RR-00063-12 0072 General clinical research center - BCNU, cytosin, vincristine in sarcoma and lymphoma (human)
- ** M01RR-00063-12 0075 General clinical research center - Antineoplastic agents in breast cancer (human)
- ** M01RR-00063-12 0076 General clinical research center - Therapy in Hodgkin's disease (human)
- ** M01RR-00063-12 0078 General clinical research center - Antineoplastic agents in multiple myeloma (human)
- ** M01RR-00063-12 0079 General clinical research center - COAP in acute myelocytic leukemia (human)
- ** M01RR-00063-12 0081 General clinical research center - Total therapy in children, young adults with acute lymphatic leukemia (human)
- M01RR-00063-12 0082 General clinical research center - Platinum salts for solid tumors (human)
- M01RR-00063-12 0083 General clinical research center - CCNU prednisone in multiple myeloma resistant to other modes of therapy (human)
- M01RR-00063-12 0084 General clinical research center - Guanosine in the treatment of acute leukemia (human)
- ** M01RR-00063-12 0085 General clinical research center - Total therapy of chronic granulocytic leukemia (human)
- ** M01RR-00063-12 0087 General clinical research center - Therapy of previously untreated acute lymphocytic leukemia (human, clinical)
- M01RR-00063-12 0088 General clinical research center - Methotrexate with folic acid for epidermoid carcinoma of neck and head (human)
- ** M01RR-00063-12 0089 General clinical research center - Treatment of non-Hodgkin's lymphomas (human)
- M01RR-00063-12 0090 General clinical research center - 5-Fluorouracil for inoperable malignancies of the GI tract (human)
- M01RR-00063-12 0091 General clinical research center - Thioguanine, cytosine arabinoside, daunomycin in lymphatic leukemia (human)
- M01RR-00064-10 0021 General clinical research center - Cytosine arabinoside in treatment of acute leukemia (human)
- M01RR-00064-10 0053 General clinical research center - Treatment of solid tumor and lymphoma with 5-azacytidine (NSC-102816) (human)
- ** M01RR-00064-10 0073 General clinical research center - Florafur for advanced malignant disease (human)
- M01RR-00076-12 0080 General clinical research center - Streptozotocin in treatment of metastatic carcinoid tumor (human)
- M01RR-00076-12 0081 General clinical research center - Streptozotocin in treatment of endocrine tumors (human)
- M01RR-00080-12 0075 General clinical research center - Hodgkin's disease-Comparison of treatment (human)
- M01RR-00080-12 0080 General clinical research center - Oral methyl CCNU in lymphomas and solid tumors (human)
- M01RR-00086-12 0030 General clinical research center - children - Pharmacology of selected antitumor agents
- ** M01RR-00095-14 0064 General clinical research center - Evaluation of antineoplastic therapy for pheochromocytoma (human)
- M01RR-00125-11 0199 General clinical research center - adult-child - Combination chemotherapy and CNS prophylaxis for acute lymphoblastic leukemia
- M01RR-00125-11 0200 General clinical research center - adult-child - L-Asparaginase therapy for acute lymphoblastic leukemia
- M01RR-00125-11 0202 General clinical research center - adult-child - Antileukemia effectiveness of combined methotrexate and L-asparaginase
- M01RR-00125-11 0203 General clinical research center - adult-child - Carboxypeptidase G1 in leukemia
- M01RR-00125-11 0229 General clinical research center - adult-child - Evaluation of chemotherapy for medulloblastoma
- P06RR-00130-11 Animal resource support for bio-medical research
- ** M01RR-00261-09 0100 General clinical research center - Psoriasis and cancer (human)
- M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)
- ** M01RR-00262-09 0037 General clinical research center - Use of oral estracyl in prostate carcinoma (human)
- M01RR-00262-09 0038 General clinical research center - New steroidal allylating agent-LEO 1031 (human)
- M01RR-00262-09 0039 General clinical research center - Simultaneous metabolism of C14 estradiol and H3 estracyl in man
- ** M01RR-00262-09 0046 General clinical research center - N6-benzyladenosine in chemotherapy (human)
- ** M01RR-00262-09 0047 General clinical research center - Phase I study of a cytotoxic analog-isophosphamide (human)
- M01RR-00262-09 0049 General clinical research center - Use of imidazole carboxamide, dimethyl triazine in malignant melanoma (human)
- ** M01RR-00262-09 0050 General clinical research center - Methyl CCNU streptozotocin, 5-FU, cyclophosphamide in pancreatic cancer (human)
- ** M01RR-00262-09 0051 General clinical research center - Streptozotocin in treatment of islet cell carcinoma (human)
- ** M01RR-00262-09 0055 General clinical research center - Triflucytosine (NSC 83265) metabolism (dogs)
- ** M01RR-00262-09 0056 General clinical research center - Phase I study of diglycolaldehyde (human)
- P07RR-00267-09 0131 Biomedical data processing unit - Transport properties of the membrane
- P07RR-00273-09 0014 Mass spectrometric facility for biomedical research - Gamma irradiation of sugar
- ** P07RR-00273-09 0015 Mass spectrometric facility for biomedical research - Potential inhibitors of asparagine biosynthesis (rats)
- M01RR-00322-08 0024 General clinical research center - Chemotherapeutic program in lymphoproliferative neoplasms (human)
- M01RR-00322-08 0027 General clinical research center - Chemotherapy of chronic lymphocytic leukemia (human)
- ** M01RR-00334-08 0005 General clinical research center - Organ infusion (human)
- ** M01RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)
- M01RR-00425-06 0057 General clinical research center - Chemotherapy of disseminated malignancy (human)
- ** M01RR-00425-06 0067 General clinical research center - Chemotherapy of metastatic breast cancer (human)
- M01RR-00425-06 0068 General clinical research center - Intravenous procarbazine (human)
- M01RR-00626-02 0074 General clinical research center - Medical treatment of malignant Insuloma (human)
- ** M01RR-00633-02 0039 General clinical research center - Metabolic fate of cancer chemotherapeutic agents (human)
- P07RR-00636-02 0005 Special resource for NMR studies in biomolecules - Drug-receptor interactions
- ** P07RR-00636-02 0017 Special resource for NMR studies in biomolecules - Complex formed by an anti-tumor agent
- M01RR-00828-01 0036 General clinical research center - Combined chemotherapy and immunotherapy for CA of ovary and colon (human)
- M01RR-00833-01 0022 General clinical research center - Quantitative expression of HLA-A antigen on leukocytes of leukemia patients
- M01RR-00865-01 0024 General clinical research center - Intra-arterial chemotherapy infusion for carcinoma of cervix (human)
- S06RR-08060-03 Porphyrins, carcinogenic agents and air pollution (South Carolina State College)
- ** S06RR-08111-02 Nucleoside analogs with antitumor activity (university)

NEOPLASTIC THERAPY, CANCER

CHEMOTHERAPY

- R01AM-02767-14 Evaluation of adrenocortical inhibitors (human, dogs)
- R01AM-04784-14 Control of secretion of hypothalamic hormones
- ** R01AM-15634-03 Inhibitors of enzyme synthesis
- P01AM-17110-07 0014 Program project in biomaterials calcified tissue - Effect of ICRF 159 on murine osteosarcoma (mice)
- P17AM-17328-01 0012 Peptic ulcer center - Zollinger-Elison syndrome (human)
- ** R01CA-02478-20 Chemotherapy of cancer-Experimental and clinical
- ** R01CA-02568-20 0004 Free amine acids in normal and neoplastic tissues - Tumor therapy (mice)
- ** R10CA-02599-20 Acute leukemia group B (human)
- ** R10CA-02649-18 Childrens cancer study group A
- R01CA-02662-19 Investigations on teratocarcinogens (mice)
- ** R10CA-02822-19 Eastern cooperative oncology group
- ** R10CA-02824-19 Eastern cooperative oncology group
- ** R10CA-02971-18 Childrens cancer study group A
- ** R10CA-03013-18 Southeastern cancer chemotherapy study group
- ** R10CA-03096-17 Southwest cancer chemotherapy cooperative study group
- ** R10CA-03161-17 Southwest cancer chemotherapy cooperative study group
- ** R10CA-03177-18 Southeastern cancer study group
- ** R10CA-03195-17 Southwest cancer chemotherapy study group
- ** R10CA-03227-18 Southeastern cancer study group
- ** R01CA-03287-16 Chemotherapy of experimental mouse tumors
- ** R10CA-03357-17 Cooperative study of breast cancer
- R10CA-03358-17 Cooperative breast cancer group
- R10CA-03359-17 Cooperative breast cancer group
- R10CA-03358-17 Cooperative breast cancer group
- R10CA-03364-17 Cooperative breast cancer group
- ** R10CA-03376-18 Southeastern cancer study group
- ** R10CA-03389-16 Southwest cancer chemotherapy cooperative study group
- ** R10CA-03392-17 Southwestern cooperative chemotherapy study
- ** R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
- ** R10CA-03526-17 Childrens cancer study group A
- ** R10CA-03664-16 Cooperative breast cancer group
- ** R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
- ** R10CA-03735-17 Acute leukemia group B
- R10CA-03740-16 Cooperative breast cancer group (human)
- ** R10CA-03750-17 Childrens cancer study group A
- ** R10CA-03754-17 Southwest cancer chemotherapy study group-Data management
- R10CA-03764-16 Cooperative breast cancer group
- R10CA-03888-17 Childrens cancer study group A
- ** R10CA-03927-17 Acute leukemia group B (human)
- ** R10CA-04326-16 Acute leukemia group B
- ** R10CA-04457-15 Acute leukemia group B
- P01CA-04486-15 0001 Pathology of the digestive tract mucosa membrane - Clinical and morphologic studies of CEA
- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
- R10CA-04594-14 Cooperative breast cancer group
- ** R10CA-04646-15 Acute leukemia group B
- ** R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
- ** R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
- R10CA-04920-15 Southwestern cooperative chemotherapy study group
- ** R10CA-05186-14 Western cancer study group
- ** R01CA-05197-15 Endocrine factors influencing tumor growth in man
- ** R01CA-05298-14 Cellular pharmacology of folate antagonists (human, rats, mice)
- ** R10CA-05436-14 Childrens cancer study group A
- ** R10CA-05462-14 Acute leukemia cooperative study group B
- ** R10CA-05587-14 Southwest cancer chemotherapy study group (human)
- ** R10CA-05588-14 Eastern cooperative oncology group
- ** R10CA-05634-14 Southeastern cancer study group
- R10CA-05641-14 Southeastern cancer study group
- R01CA-05654-14 Evaluation of supravoltage therapy (human)
- ** P02CA-05826-13 0034 Clinical cancer research center - Cancer Chemotherapy Central Clinical Facility
- P02CA-05826-13 0043 Clinical cancer research center - Dietary control of enteric organisms in acute leukemia (human)
- P02CA-05826-13 0070 Clinical cancer research center - Monitoring intracranial pressure (human)
- P02CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
- P02CA-05826-13 0082 Clinical cancer research center - Amenorrhea in chemotherapy (human)
- P02CA-05826-13 0087 Clinical cancer research center - Pediatric oncology-neuroblastoma
- P02CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
- P02CA-05826-13 0089 Clinical cancer research center - Pediatric oncology-Ewing's sarcoma
- ** P02CA-05826-13 0090 Clinical cancer research center - Pediatric oncology-osteogenic sarcoma
- P02CA-05826-13 0091 Clinical cancer research center - Pediatric oncology-Hodgkin's disease
- P02CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
- P02CA-05831-13 0013 Cancer clinical research - Interrelationship of neoplastic disease and immune response (human)
- ** P02CA-05831-13 0014 Cancer clinical research - Treatment of advanced melanoma
- P02CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-05831-13 0029 Cancer clinical research - Cellular chemotherapy and kinetics (human)
- P02CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
- P02CA-05834-13 0034 Cancer clinical research center - Assays for drug sensitivity before and after chemotherapy
- P02CA-05834-13 0035 Cancer clinical research center - Subcellular morphological diagnosis of acute leukemia
- P02CA-05834-13 0037 Cancer clinical research center - Immunotherapy studies-Leukemia (human)
- ** P02CA-05834-13 0038 Cancer clinical research center - Pharmacology of cancer drugs
- ** P02CA-05834-13 0039 Cancer clinical research center - Acute myelocyte leukemia (human)
- ** P02CA-05834-13 0040 Cancer clinical research center - Acute lymphocytic leukemia (human)
- ** P02CA-05834-13 0041 Cancer clinical research center - Multiple myeloma (human)
- ** P02CA-05834-13 0042 Cancer clinical research center - Lymphoma (human)
- ** P02CA-05834-13 0043 Cancer clinical research center - Carcinoma of the breast (human)
- ** P02CA-05834-13 0044 Cancer clinical research center - Lung cancer (human)
- ** P02CA-05834-13 0045 Cancer clinical research center - Gastrointestinal cancer (human)
- ** P02CA-05834-13 0046 Cancer clinical research center - Malignant melanoma
- ** P02CA-05834-13 0047 Cancer clinical research center - Central nervous system neoplasms (human)
- ** P02CA-05834-13 0048 Cancer clinical research center - Gynecologic cancers (human)
- ** P02CA-05834-13 0049 Cancer clinical research center - Osteosarcoma (human)
- ** P02CA-05834-13 0051 Cancer clinical research center - Cancer therapy with nitrosourea-imidazole carboxamide combination (human)
- P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
- P02CA-05837-12 0002 Cancer clinical research - 5-Fluorouracil (human)
- P02CA-05837-12 0006 Cancer clinical research - Hydroxyurea and cytosine arabinoside (human)
- P02CA-05837-12 0007 Cancer clinical research - Bone marrow ultrastructure in myelogenous leukemia with multiple myeloma (human)
- P02CA-05837-12 0008 Cancer clinical research - Social work associated with cancer outpatients
- ** P02CA-05838-13 0003 Clinical radiotherapy cancer research center - Combined therapy of glioblastoma
- P02CA-05838-13 0004 Clinical radiotherapy cancer research center - Advanced pelvic neoplasms
- P02CA-05838-13 0005 Clinical radiotherapy cancer research center - Non-Hodgkin's lymphoma
- P02CA-05838-13 0010 Clinical radiotherapy cancer research center - Hypopharynx protocol
- ** P02CA-05838-13 0019 Clinical radiotherapy cancer research center - Combined radio- and chemotherapy-Osteogenic sarcomas
- P02CA-05838-13 0023 Clinical radiotherapy cancer research center - Hodgkin's disease
- ** P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
- R01CA-05949-13 Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice)
- ** R01CA-05953-13 0001 Human tumors in vitro - Biochemical studies with human tumors
- ** R01CA-05953-13 0002 Human tumors in vitro - Immunological studies with human tumors (dogs)
- ** R01CA-05985-13 0002 Stages of carcinogenesis of the cervix uteri in mice - Arrest of Hodgkins-like tumors by immunotherapy (mice SJL/J)
- M R01CA-06145-13 Chemotherapy of intracranial neoplasms
- R01CA-06145-13 0001 Chemotherapy of intracranial neoplasms - Culturing brain and brain tumor cells (human)
- R01CA-06145-13 0002 Chemotherapy of intracranial neoplasms - Application of brain cell culture
- R01CA-06145-13 0003 Chemotherapy of intracranial neoplasms - Biocharacteristics of brain and glioma cells (human)
- ** R01CA-06145-13 0004 Chemotherapy of intracranial neoplasms - Sensitivity of glial cells to chemotherapeutic drugs (human)
- R01CA-06145-13 0005 Chemotherapy of intracranial neoplasms - Corticosteroids (human)
- R01CA-06145-13 0006 Chemotherapy of intracranial neoplasms - Transplantation of brain tumor cells (mice, hamsters)
- ** R01CA-06145-13 0007 Chemotherapy of intracranial neoplasms - Clinical studies
- P02CA-06294-13 0004 Radiotherapy research - Lymphomas (human)
- P02CA-06294-13 0006 Radiotherapy research - Genitourinary tract (human)
- ** P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- ** P02CA-06294-13 0011 Radiotherapy research - Bronchogenic carcinoma (human)
- ** P02CA-06294-13 0012 Radiotherapy research - Carcinoma of the esophagus (human)
- ** P02CA-06294-13 0015 Radiotherapy research - Pediatric tumors
- M P02CA-06516-12 Cancer center support grant-Comprehensive
- ** P02CA-06516-12 0003 Cancer center support grant-Comprehensive - Chemotherapy-New agents and combinations (human)
- ** P02CA-06516-12 0006 Cancer center support grant-Comprehensive - Pediatric neoplasms
- ** P02CA-06516-12 0007 Cancer center support grant-Comprehensive - Adult solid tumors
- ** P02CA-06516-12 0008 Cancer center support grant-Comprehensive - Hematologic malignancies
- P02CA-06516-12 0011 Cancer center support grant-Comprehensive - Blood products and supportive care (human, rats)
- P02CA-06516-12 0028 Cancer center support grant-Comprehensive - Cell culture and cell physiology (human)
- ** P02CA-06519-12 0048 Radiation therapy and biology research program - Chemotherapy and low dose radiotherapy in Hodgkin's disease (human)
- ** P02CA-06519-12 0079 Radiation therapy and biology research program - Treatment of advanced epidermoid carcinoma of head and neck region
- P02CA-06519-12 0092 Radiation therapy and biology research program - Radio- and chemotherapy for carcinoma of pancreas
- R01CA-06522-13 Folate coenzymes-Mechanism of action and transport
- ** P02CA-06551-11 0015 Cancer clinical research - Chemotherapy (human)
- ** R10CA-06594-12 Eastern cooperative oncology group
- R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
- ** R10CA-06800-12 Western cooperative cancer chemotherapy group
- ** R10CA-06807-12 Southeastern cancer chemotherapy cooperative study group
- M P02CA-06973-12 Integrated clinical cancer research program
- ** P02CA-06973-12 0001 Integrated clinical cancer research program - Therapy of acute leukemia of the adult (human, mice)
- ** P02CA-06973-12 0002 Integrated clinical cancer research program - Therapy of lymphosarcoma-reticulum cell sarcoma
- P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- ** P02CA-06973-12 0016 Integrated clinical cancer research program - Plasma cell dyscrasia (human)
- ** P02CA-06973-12 0017 Integrated clinical cancer research program - Malignant melanoma (human)
- ** P02CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
- ** P02CA-06973-12 0024 Integrated clinical cancer research program - Malignant lymphomas (human)
- P02CA-06973-12 0029 Integrated clinical cancer research program - Cell metabolism-Prostatic growth and effects of acidic polymers (rats, mice)
- ** P02CA-07177-11 0012 Clinical cancer research center - Clinical therapeutic study-Improved combination chemotherapy
- ** P02CA-07177-11 0014 Clinical cancer research center - Immunosuppressive effects of systemic chemotherapy (human)
- ** R10CA-07190-12 Eastern cooperative oncology group
- P02CA-07357-10 0014 Special children's cancer center program - Periodic reinforcement therapy in children with acute leukemia
- ** P02CA-07357-10 0016 Special children's cancer center program - Independent chemotherapy studies (human)
- ** P01CA-07368-11 0003 Interrelationships of normal and cancer cells - Chemo-immunotherapy (mice, rabbits)
- R10CA-07431-11 Childrens cancer group A
- ** R10CA-07439-11 Childrens cancer study group A
- ** R10CA-07585-11 Western conference cancer chemotherapy group
- ** R10CA-07757-10 Acute leukemia group B (human)
- ** R10CA-07918-10 Chemotherapy of acute leukemia
- ** R10CA-07961-10 Southeastern cancer study group
- ** R10CA-07968-10 Leukemia lymphoma and myeloma
- ** P02CA-08023-10 0046 Cancer clinical research center - Hepatic infusion chemotherapy in liver carcinoma
- ** P02CA-08023-10 0049 Cancer clinical research center - Intra-arterial chemotherapy of the head and neck
- ** P02CA-08023-10 0050 Cancer clinical research center - Intra-arterial chemotherapy with bleomycin
- ** P02CA-08023-10 0076 Cancer clinical research center - Adriamycin in treatment of nonlymphomatous sarcomas
- ** R10CA-08025-10 Acute leukemia group B
- ** R10CA-08223-08 Southwest cancer chemotherapy study group
- ** R01CA-08318-07 Radiation effect on protein and nucleic acid metabolism (rats)
- M P02CA-08341-09 Clinical pharmacology and cancer chemotherapy
- P02CA-08341-09 0020 Clinical pharmacology and cancer chemotherapy - Phase I studies with carboxypeptidase G-I
- P02CA-08341-09 0039 Clinical pharmacology and cancer chemotherapy - Hodgkin's disease-chemotherapy and radiotherapy
- ** P02CA-08480-09 0013 Childhood cancer research center - Response of leukemic cells to encolytic drugs (human)
- ** P02CA-08480-09 0017 Childhood cancer research center - Total therapy of acute lymphocytic leukemia (human)
- P02CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
- ** P02CA-08480-09 0023 Childhood cancer research center - Combination chemotherapy in acute lymphocytic leukemia (human)
- ** R01CA-08518-07 0001 Lysosomal enzymes in x-irradiated tumor cells - L-1210 leukemia (asches) in vivo and in vitro (mice)
- ** R01CA-08518-07 0002 Lysosomal enzymes in x-irradiated tumor cells - Schmidt-Ruppin sarcoma RR-1022 (rats)
- ** R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (haman, mice, rats)
- ** R01CA-08518-07 0004 Lysosomal enzymes in x-irradiated tumor cells - Hormonally-induced involution of prestatic cells (rats)
- ** R01CA-08518-07 0005 Lysosomal enzymes in x-irradiated tumor cells - Mechanism of action of Trypan Blue
- R01CA-08725-06 Effect of leukemia viruses on hematopoiesis
- ** P01CA-08748-09 5118 Research program of Sloan-Kettering Institute - Optimization of cell cycle specific drug treatment
- ** P01CA-08748-09 5613 Research program of Sloan-Kettering Institute - Chemotherapy trials on transplanted gliomas in mice
- ** P01CA-08748-09 6201 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in adults
- ** P01CA-08748-09 6202 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in children
- P01CA-08748-09 6208 Research program of Sloan-Kettering Institute - Proliferation of human lymphoblastoid cells related to therapy
- ** P01CA-08748-09 6211 Research program of Sloan-Kettering Institute - Mathematical models in developing leukemia treatment
- P01CA-08748-09 6808 Research program of Sloan-Kettering Institute - Mixed bacterial toxins as immunopotentiators in cancer therapy (dogs, cats)
- P01CA-08748-09 7401 Research program of Sloan-Kettering Institute - Activity and toxicity of 2, 4-diaminoquinazolinones (mice, hamsters)
- ** P01CA-08748-09 7415 Research program of Sloan-Kettering Institute - Distribution of leukemic cells and effect of antifolate therapy (mice)
- ** P02CA-08832-08 0060 An integrated study of advanced malignant diseases - Therapy-induced neutropenia (human)
- ** P02CA-08832-08 0061 An integrated study of advanced malignant diseases - Neutropenia of cancer chemotherapy (human)
- P02CA-08832-08 0067 An integrated study of advanced malignant diseases - Effects of granulocyte transfusions on acute leukemia patients
- ** P02CA-08832-08 0074 An integrated study of advanced malignant diseases - Combination chemotherapy for advanced Hodgkin's disease
- ** P02CA-08832-08 0075 An integrated study of advanced malignant diseases - Chemotherapy for acute myelogenous leukemia (human)
- ** P02CA-08832-08 0080 An integrated study of advanced malignant diseases - Chemotherapy for lymphoma and Hodgkin's disease (human)
- ** P02CA-08832-08 0081 An integrated study of advanced malignant diseases - Chemotherapy for non-lymphocytic leukemia (human)
- P02CA-08832-08 0083 An integrated study of advanced malignant diseases - Radiation vs chemical therapy for stage III Hodgkin's
- P02CA-08832-08 0085 An integrated study of advanced malignant diseases - Sequential therapy of acute lymphatic leukemia in adults
- P02CA-08832-08 0086 An integrated study of advanced malignant diseases - Therapy of adult acute myelogenous leukemia
- ** P02CA-08832-08 0087 An integrated study of advanced malignant diseases - Daunomycin-prednisone therapy in erythroleukemia (human)
- ** P02CA-08832-08 0093 An integrated study of advanced malignant diseases - Combination chemotherapy in multiple myeloma (human)
- P02CA-08832-08 0096 An integrated study of advanced malignant diseases - Survival of patients with glioblastoma multiforme
- P02CA-08832-08 0099 An integrated study of advanced malignant diseases - Circadian chronotherapeutic index
- P02CA-08832-08 0103 An integrated study of advanced malignant diseases - Acute lymphoblastic leukemia
- P02CA-08832-08 0106 An integrated study of advanced malignant diseases - 5-Azacytidine-New agent for treating acute leukemia

*Excludes marine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-08832-08 0107 An integrated study of advanced malignant diseases - Cell-mediated immunity in malignant teratoma (human)
- P02CA-08832-08 0109 An integrated study of advanced malignant diseases - Radiation and chemical therapy of acute lymphoblastic leukemia (human)
- P02CA-08832-08 0125 An integrated study of advanced malignant diseases - Vincristine-Radiation synergism (human)
- P02CA-08832-08 0133 An integrated study of advanced malignant diseases - Surgery, chemotherapy and pulmonary radiation in osteosarcoma (human)
- P02CA-08832-08 0140 An integrated study of advanced malignant diseases - Immune capacity of patients in general cancer therapy
- P02CA-08832-08 0145 An integrated study of advanced malignant diseases - Phase II evaluation of BCNU-NSC-409962 in patients
- ** P02CA-08832-08 0147 An integrated study of advanced malignant diseases - Chemotherapy of carcinoma of colon and rectum
- P02CA-08832-08 0148 An integrated study of advanced malignant diseases - 5-Fu as adjuvant therapy to surgery
- P02CA-08832-08 0149 An integrated study of advanced malignant diseases - Evaluation of azaserine in the treatment of advanced solid tumors
- ** P02CA-08832-08 0150 An integrated study of advanced malignant diseases - Four and five drug combination therapy in metastatic breast cancer (human)
- ** P02CA-08832-08 0151 An integrated study of advanced malignant diseases - CCNU for advanced solid tumors (human)
- P02CA-08832-08 0152 An integrated study of advanced malignant diseases - Adriamycin for a variety of solid tumors (human)
- P02CA-08832-08 0153 An integrated study of advanced malignant diseases - 5-Fu for advanced breast and colorectal cancer (human)
- P02CA-08832-08 0154 An integrated study of advanced malignant diseases - Hexamethylmelamine, dibromodulcitol, and cyclophosphamide for lung cancer
- P02CA-08832-08 0155 An integrated study of advanced malignant diseases - Imidazole carboxamide as adjuvant to surgery for melanoma (human)
- ** P02CA-08832-08 0156 An integrated study of advanced malignant diseases - Combination chemotherapy for pancreatic carcinoma
- P02CA-08832-08 0157 An integrated study of advanced malignant diseases - Imidazole carboxamide for melanoma (human)
- R10CA-08855-08 Procurement of fresh blood platelets for clinical use (human, rats)
- R10CA-08859-08 Leukemia center (platelets) program-SWG
- R10CA-08976-08 Folate reductase induction, suppression, therapeutics (human, rabbits, bacteria)
- R10CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- ** R10CA-10042-07 Protected environment and cancer chemotherapy (human, dogs)
- ** R10CA-10044-08 Chemotherapy of man in a protected environment (human)
- ** R10CA-10186-08 Western cancer study group
- ** R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
- R10CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
- ** R10CA-10198-07 Childrens cancer study group A (human)
- R10CA-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
- ** P01CA-10372-07 Radiobiology-oncology research program
- ** R10CA-10376-07 Southwest cancer chemotherapy study group
- R10CA-10378-08 Gynecologic oncology group statistical service
- ** R10CA-10379-06 Southwest cancer chemotherapy study group
- ** R10CA-10382-08 Childrens cancer study group A
- R10CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
- R10CA-10419-06 Different responses of cells to glucocorticoids (rats, mice, human)
- P02CA-10438-08 0024 Clinical radiation therapy research center - CEA antigen (human)
- R10CA-10456-07 Acute leukemia group B operations office
- ** R10CA-10495-07 New frameworks for chemotherapeutic design
- ** R10CA-10515-07 Kinetics of cell turnover in leukemia (human, mice)
- ** R10CA-10572-06 Eastern cooperative oncology group
- R10CA-10661-07 Surgical treatment of colo-rectal cancer, new technique (human)
- R10CA-10728-07 Polycythemia vera study group central office
- R10CA-10735-07 Population kinetics of tumors in vivo
- M P01CA-10748-07 Cancer chemotherapy program
- ** P01CA-10815-06 0051 Consolidated basic cancer research program - Effects of radiolabeled thiouracil on survival of melanoma cells (hamsters)
- ** P01CA-10893-06 0002 Cancer Research Center - Clinical Research Section
- P02CA-10895-06 0001 Adult leukemia research center - Bone marrow transplantation (human)
- P02CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)
- ** P02CA-10895-06 0003 Adult leukemia research center - High dose cyclophosphamide therapy (human)
- P02CA-10895-06 0004 Adult leukemia research center - Hodgkins disease, lymphoma program (human)
- P02CA-10895-06 0005 Adult leukemia research center - Treatment of acute leukemia (human)
- P02CA-10895-06 0006 Adult leukemia research center - Platelet and bleeding studies (human)
- P02CA-10895-06 0007 Adult leukemia research center - Immunological evaluation (human)
- P02CA-10895-06 0009 Adult leukemia research center - Laminar air flow (human)
- P02CA-10895-06 0011 Adult leukemia research center - Genetics (dogs, human)
- P02CA-10895-06 0014 Adult leukemia research center - Hormones (human)
- P02CA-10895-06 0017 Adult leukemia research center - Enzyme therapy (human, mammals nonhuman)
- P02CA-10895-06 0018 Adult leukemia research center - Data processing
- ** R10CA-10948-06 Eastern cooperative oncology group
- R10CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- ** R10CA-11028-07 Acute leukemia group B
- R10CA-11050-07 0011 Molecular pharmacology of the cell cycle - Stem cells (mice, human)
- ** R10CA-11050-07 0013 Molecular pharmacology of the cell cycle - Cancer chemotherapy models
- ** P02CA-11051-06 0050 Clinical radiation research center - Radiation pathology-Response to vasoactive and chemotherapeutic agents (hamster)
- ** P02CA-11067-05 0013 Clinical cancer research center - Brain tumor chemotherapy (human, rats)
- P02CA-11067-05 0018 Clinical cancer research center - Kinetics of monoclonal neoplasia-multiple myeloma (human)
- ** R10CA-11075-06 Childrens cancer study group A
- ** R10CA-11083-07 Eastern cooperative oncology group (human)
- ** R10CA-11109-06 Eastern cooperative oncology group
- ** R10CA-11174-06 Childrens cancer study group A
- M P02CA-11198-06 Cancer research center
- ** P02CA-11198-06 0001 Cancer research center - Influence of synthetic progestins on canine mammary glands & organ cultures
- ** P02CA-11198-06 0002 Cancer research center - Tumor biology and bank (mice)
- P02CA-11198-06 0004 Cancer research center - Biochemical characteristics of neoplasms (rodents, dogs, human)
- ** P02CA-11198-06 0005 Cancer research center - Dihydrofolate reductase and pyrimidine phosphoribosyl transferase (human)
- ** P02CA-11198-06 0007 Cancer research center - Drug action (mice)
- R10CA-11220-06 Mapping of active sites and effective chemotherapy
- ** R10CA-11233-06 Southwestern cooperative chemotherapy study group
- ** R10CA-11263-06 Southeastern group statistical services
- P02CA-11265-05 0015 General clinical cancer research center - Protocol for malignant glioma of brain
- P02CA-11265-05 0034 General clinical cancer research center - Beta-deoxythioguanosine in refractory acute leukemia
- R10CA-11305-06 Leukemia and humoral regulators of WBC production (human)
- ** R10CA-11430-09 0037 Biomathematics and computing in a cancer institute - Synchrony strategies in cancer chemotherapy
- ** R10CA-11446-06 Tryptophan hematologic and neoplastic disease (human, mice, brown recluse spider)
- R10CA-11488-05 Eortic coordinating agency and data center
- ** R10CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
- ** P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
- ** P01CA-11536-05 0010 Cell control in integumental cancer - Cancer chemotherapy and immunotherapy (mice)
- R10CA-11684-05 Mechanisms of drug action in normal and tumor cells (mice, human, rats)
- R10CA-11704-04 Prolactin (human)
- R10CA-11722-06 National Wilms tumor study (children)
- ** R10CA-11789-05 Acute leukemia cooperative group B
- ** R10CA-11796-05 Childrens cancer study group A
- R10CA-11844-17 Pediatric malignancies-Southwest Oncology Group
- ** P02CA-11911-04 0017 Clinical cancer center - Carcinoma of the prostate
- P02CA-11911-04 0018 Clinical cancer center - Hyperphormia
- R10CA-11929-04 Leukocyte turnover in acute leukemia and leukopenias (human)
- R10CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
- R10CA-11987-20 Leukemia center platelets program-ALB
- ** R10CA-11996-11 Leukemia center (platelet) program-CCA
- R10CA-12011-03 Acute leukemia group B
- ** R10CA-12014-05 Southwest Cancer Chemotherapy Study Group-Statistical
- ** R10CA-12045-04 Acute leukemia group B
- R10CA-12080-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
- ** R10CA-12080-04 Immunology of chemically modified cancer cell (mice)
- R10CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
- ** R10CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
- R10CA-12109-04 0001 Trophoblastic disease - Carbohydrate metabolism in choriocarcinoma
- R10CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
- ** R10CA-12109-04 0004 Trophoblastic disease - Chemotherapy of trophoblastic disease
- R10CA-12109-04 0013 Trophoblastic disease - Hydatid mole
- R10CA-12109-04 0017 Trophoblastic disease - Early detection and therapy of choriocarcinoma with non-molar gestation
- ** R10CA-12109-04 0019 Trophoblastic disease - Chemotherapy of choriocarcinoma in high risk patients
- ** R10CA-12109-04 0020 Trophoblastic disease - Earliest effectiveness of cancer chemotherapy
- R10CA-12109-04 0021 Trophoblastic disease - Chemotherapy of patients with choriocarcinoma and invasive mole
- ** R10CA-12124-02 The optimization of drug treatment schedules (human)
- R10CA-12166-02 Brain tumor micro-chemistry and chemotherapy
- P02CA-12178-04 0002 Radiotherapy-oncology center - Combined surgery, chemotherapy and radiotherapy in ovarian carcinoma
- P02CA-12178-04 0006 Radiotherapy-oncology center - Bronchogenic carcinoma
- ** R10CA-12188-03 Mechanisms of enhanced asparaginase therapy
- R10CA-12188-03 0001 Mechanisms of enhanced asparaginase therapy - Impairment of host exogenous enzymes removal from blood by LDH-virus (mice)
- ** R10CA-12188-03 0003 Mechanisms of enhanced asparaginase therapy - Significance of concomitant glutamine depletion in asparaginase tumor therapy
- ** R10CA-12188-03 0004 Mechanisms of enhanced asparaginase therapy - Alterations of free amino acids during EC-2 L-asparaginase therapy
- ** R10CA-12188-03 0005 Mechanisms of enhanced asparaginase therapy - Enhancement of asparaginase tumor therapy by LDH-virus
- R10CA-12188-03 0007 Mechanisms of enhanced asparaginase therapy - Evaluating tumor tissue for amino acid dependencies
- ** P02CA-12197-03 0029 Multidisciplinary oncology research center - Oncology statistics center
- ** R10CA-12213-03 Southwest cancer chemotherapy study group
- ** R10CA-12223-03 Southeastern cancer study group
- ** R10CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
- P02CA-12247-03 0004 Pediatric oncology center - Bone marrow histopathology (human)
- P02CA-12247-03 0006 Pediatric oncology center - Skin testing and clinical immunology
- ** P02CA-12247-03 0007 Pediatric oncology center - Acute leukemia (human)
- P02CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)
- ** P02CA-12247-03 0009 Pediatric oncology center - Neuroblastoma (human)
- ** P02CA-12247-03 0010 Pediatric oncology center - Hepatic cancer of childhood
- P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- ** P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
- P02CA-12247-03 0021 Pediatric oncology center - Platelet biochemistry (dogs, human)
- ** P02CA-12247-03 0025 Pediatric oncology center - Acute non-lymphocytic leukemia (human)
- ** P02CA-12247-03 0026 Pediatric oncology center - Chemotherapy of malignant brain tumors (human, mice)
- P02CA-12247-03 0027 Pediatric oncology center - Cooperative Hodgkin's disease study
- P02CA-12247-03 0034 Pediatric oncology center - Cytosine arabinoside and adenine arabinoside methodology (human)
- R10CA-12250-03 Radiation therapy oncology group
- R10CA-12258-03 Radiation therapy oncology group
- R10CA-12261-03 Radiation therapy oncology group
- ** R10CA-12271-04 Central oncology group
- ** R10CA-12272-04 Central oncology group
- ** R10CA-12273-04 Central oncology group
- ** R10CA-12274-04 Central oncology group
- ** R10CA-12275-04 Central oncology group
- ** R10CA-12276-03 Central Oncology Group
- ** R10CA-12277-04 Central oncology group
- ** R10CA-12279-04 Central oncology group

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R10CA-12280-04 Central oncology group
 ** R10CA-12282-04 Central Oncology Group
 ** R10CA-12283-04 Central oncology group
 ** R10CA-12284-04 Central oncology group
 ** R10CA-12285-04 The central oncology group
 ** R10CA-12286-04 Central oncology group
 ** R10CA-12287-04 Central oncology group
 ** R10CA-12288-04 Central oncology group
 ** R10CA-12289-04 Central oncology group
 ** R10CA-12290-04 Central oncology group
 ** R10CA-12294-04 Central oncology group
 ** R10CA-12295-04 Central oncology group
 ** R10CA-12290-04 Cancer chemotherapy with Eastern
 Oncology Group
 ** R01CA-12318-03 In vitro lymphocyte responses in
 Hodgkins disease
 R01CA-12351-04 Describenclosures of tumor nuclei
 (human, animals)
 R01CA-12359-03 Tree sap extracts for cancer
 chemotherapy screening
 R01CA-12414-03 Hormonal control of prostatic carcinoma
 (human)
 R10CA-12443-04 Veterans administration cooperative
 urological research groups
 ** R01CA-12443-04 Effect of progesterone on prostate size
 and morphology (human)
 ** R10CA-12449-04 Acute leukemia group B-Boston group
 R10CA-12476-04 Gynecologic oncology group
 ** R10CA-12477-04 Gynecologic oncology group
 ** R10CA-12478-04 Gynecologic oncology group
 ** R10CA-12481-04 Gynecologic oncology group
 ** R10CA-12482-04 Gynecologic oncology group
 ** R10CA-12483-04 Gynecologic oncology group
 ** R10CA-12484-04 Gynecologic oncology group (human)
 ** R10CA-12485-04 Gynecologic oncology group (human)
 ** R10CA-12534-04 Gynecologic oncology group
 ** R10CA-12535-04 Gynecologic oncology group
 M P01CA-12582-04 Multidisciplinary cancer diagnosis and
 therapy
 P01CA-12582-04 0005 Multidisciplinary cancer diagnosis
 and therapy - Immunotherapy experiments in animal (tumor
 host systems)
 ** P01CA-12582-04 0010 Multidisciplinary cancer diagnosis
 and therapy - Combination chemo-immunotherapy
 R01CA-12586-02 Lymphocyte metabolism and therapy of
 viral leukemia
 ** R01CA-12635-03 Pathogenesis of plasma cell tumors
 (mice)
 ** R10CA-12637-03 Childrens cancer study group A
 ** R10CA-12639-03 Southeastern cancer study group
 ** R10CA-12640-03 Southeastern cancer study group
 ** R10CA-12644-03 Southwest cancer chemotherapy study
 group
 P01CA-12662-03 0012 Cancer research center - Murine
 ovarian carcinoma
 R01CA-12689-03 Interferon antagonists in tumors and
 embryonic tissues (chick embryo, mice, huma
 in vitro assay of human cancer chemical
 radiosensitization (also mice)
 ** R01CA-12758-02 Modification of tumor growth in
 hepatomas by radiation (rats)
 R01CA-12786-03 Modification of cellular immunity to
 neoplasia in man
 R01CA-12827-03 Immunotherapy of acute leukemia
 (humans)
 R01CA-12870-04 Pathological cells from human tumors
 ** R10CA-12880-03 Eastern cooperative oncology group
 ** R10CA-12886-03 Acute leukemia group B
 R01CA-12903-03 Human uterus receptors and responses
 to steroids
 P02CA-12924-03 0031 Tufts cancer research center -
 Medullary carcinoma of the thyroid
 ** R01CA-12945-03 Development of oxygen producing
 radiation sensitizers (mice, bacteria, human)
 ** R01CA-12960-02 Synthesis and chemotherapy of nucleic
 acid analogs
 R01CA-12967-02 Serum and cancer growth factors (rats,
 mice)
 ** R10CA-12985-03 Western cooperative cancer chemotherapy
 group
 ** R01CA-12990-03 Inhibition of androgen action in prostatic
 neoplasms (human, rat)
 ** P01CA-13038-03 0036 Experimental therapeutics and
 cancer drug program - Degree of similarity between
 chemotherapeutic agents
 P01CA-13038-03 0041 Experimental therapeutics and
 cancer drug program - Evaluation of model systems for
 tumor metastasis treatment
 ** R01CA-13050-03 Combination therapy of childhood
 leukemia
 ** P02CA-13053-03 0004 Clinical cancer radiation therapy
 research center - Combined irradiation and chemotherapy-
 Malignant brain gliomas (human)
 ** P02CA-13053-03 0007 Clinical cancer radiation therapy
 research center - Wilms tumor protocol (human)
 ** P02CA-13053-03 0052 Clinical cancer radiation therapy
 research center - Chemotherapy in management of primary
 Ewing's sarcoma (human)
 ** P02CA-13053-03 0053 Clinical cancer radiation therapy
 research center - Adjuvantive chemotherapy in primary
 rhabdomyosarcoma (human)
 ** P02CA-13053-03 0056 Clinical cancer radiation therapy
 research center - Chemotherapy and radiation therapy in
 primary Hodgkin's disease (human)
 ** P02CA-13053-03 0057 Clinical cancer radiation therapy
 research center - Combination chemotherapy in children
 with primary osteosarcoma
 ** P02CA-13053-03 0058 Clinical cancer radiation therapy
 research center - Combination chemotherapy of
 histiocytosis X in children
 ** P02CA-13053-03 0061 Clinical cancer radiation therapy
 research center - Fluorouracil in pediatric solid tumors
 P02CA-13053-03 0062 Clinical cancer radiation therapy
 research center - Combination chemotherapy with
 procarbazine in childhood histiocytosis-x
 P02CA-13053-03 0067 Clinical cancer radiation therapy
 research center - Immunological reactivity of patients with
 gynecological malignancy
 P02CA-13053-03 0069 Clinical cancer radiation therapy
 research center - Participation in Southwest cancer
 chemotherapy group
 P02CA-13053-03 0072 Clinical cancer radiation therapy
 research center - Participation in radiation therapy oncology
 group
 ** P02CA-13053-03 0075 Clinical cancer radiation therapy
 research center - Combined pulmonary irradiation and
 fluorouracil therapy in lung tumors (human)
 ** P02CA-13053-03 0076 Clinical cancer radiation therapy
 research center - Chemotherapy of metastatic solid tumors
 with DIC and adriamycin (children)
 ** P02CA-13053-03 0077 Clinical cancer radiation therapy
 research center - Chemotherapy following surgery and
 radiotherapy in brain tumors (children)
 ** P02CA-13053-03 0078 Clinical cancer radiation therapy
 research center - Osteogenic sarcoma chemotherapy with
 methotrexate-citrovorum factor (children)
 ** P02CA-13053-03 0079 Clinical cancer radiation therapy
 research center - Osteogenic sarcoma-methotrexate
 chemotherapy and radiotherapy (children)
 ** P02CA-13053-03 0080 Clinical cancer radiation therapy
 research center - ICRF 159 chemotherapy in solid tumors
 and acute leukemia (children)
 ** P02CA-13053-03 0081 Clinical cancer radiation therapy
 research center - Chemotherapy of histiocytosis X with
 chlorambucil (children)
 ** P02CA-13053-03 0082 Clinical cancer radiation therapy
 research center - Hodgkin's disease-Chemotherapy with
 MOPP plus bleomycin (children)
 P02CA-13053-03 0084 Clinical cancer radiation therapy
 research center - Irradiation and chemotherapy-
 immunosuppression of 6C3HED lymphosarcoma
 ** P02CA-13053-03 0092 Clinical cancer radiation therapy
 research center - BCNU and amphotericin B in human
 neoplasia
 ** R10CA-13057-03 Acute leukemia cooperative group B
 R01CA-13074-02 Exploitable differences in tumor cell
 metabolism
 R01CA-13102-02 Chemotherapeutic agents and hepatomas
 ** R01CA-13103-03 Metabolism and inhibition of prostate
 cancer (hamsters, dogs, rats)
 ** R01CA-13105-03 Chemotherapy and tumor-specific
 immunity (human)
 ** R01CA-13120-03 Maleimide derivatives as cancer
 chemotherapeutics
 R01CA-13141-03 Granulopoiesis in malignant and benign
 human diseases (human)
 P02CA-13148-03 0013 Pilot cancer center - Treatment of
 childhood leukemia and lymphosarcoma
 ** P02CA-13148-03 0044 Pilot cancer center - BCNU
 combination protocol for gastrointestinal cancer
 P02CA-13148-03 0045 Pilot cancer center - Combination
 therapy and chemotherapy in Hodgkin's disease
 P02CA-13148-03 0052 Pilot cancer center - Role of DNA
 repair in cancer biology (human)
 ** P02CA-13148-03 0055 Pilot cancer center - Radiation
 biology
 P02CA-13148-03 0056 Pilot cancer center - Ultrasound in
 computerized radiation therapy treatment planning
 ** R01CA-13222-04 Cell population kinetics as factor in
 tumor therapy (mice)
 ** R10CA-13236-03 Southwestern cancer chemotherapy study
 group
 ** R10CA-13237-03 Southeastern cancer study group
 ** R10CA-13238-03 Southwest cancer chemotherapy study
 group
 R10CA-13239-02 Acute leukemia cooperative group B
 R01CA-13246-03 Interaction of anticancer drugs with
 macromolecules (human, hamsters)
 ** R10CA-13249-03 Southeastern cancer study group
 ** R01CA-13285-03 Pancreatic effects of cancer
 chemotherapeutic agents (mice)
 R01CA-13296-02 Selective activation of pyrimidine
 antimetabolites (mice)
 R01CA-13299-02 Cure of advanced mouse lymphoma by
 total body x-ray
 R01CA-13312-02 Field ion mass spectrometry applied to
 cancer therapy (rats)
 ** R10CA-13314-02 Eastern Cooperation Oncology Group
 M R01CA-13330-03 Cancer research program
 ** P01CA-13330-03 0002 Cancer research program - Cancer
 therapy evaluation programs (human)
 P01CA-13330-03 0006 Cancer research program -
 Radiotherapy of cancer patients
 P01CA-13330-03 0060 Cancer research program - Role of
 lymphocytes in tumor immunity (human, mice)
 ** P01CA-13330-03 0066 Cancer research program - Eastern
 Cooperative Oncology Group
 R01CA-13344-03 Repair synthesis of DNA in precancerous
 rat liver
 ** R01CA-13351-02 Selection of cancer therapy by uptake of
 cesium 131 (human)
 R01CA-13372-03 Prevention and treatment of trophoblastic
 disease
 ** R10CA-13446-01 Gynecologic Oncology Group
 R01CA-13449-02 Antitumor components from animal
 venoms (mice)
 R01CA-13451-02 The biology of human neuroblastoma
 R10CA-13457-02 Radiation therapy oncology group
 P01CA-13472-02 Investigation of childhood leukemia
 ** P01CA-13472-02 0004 Investigation of childhood leukemia
 - Targets of chemotherapy and localization of transforming
 virus genes (human)
 P02CA-13525-03 0004 Program for treatment of malignant
 brain tumors - Kinetics of gliomas in cell culture (human)
 P02CA-13525-03 0005 Program for treatment of malignant
 brain tumors - Kinetics of marine gliomas in vivo (rats)
 P02CA-13525-03 0006 Program for treatment of malignant
 brain tumors - Kinetics of human glioblastomas in vivo
 P02CA-13525-03 0007 Program for treatment of malignant
 brain tumors - Enzyme histochemical analysis of cultured
 brain tumors (human)
 ** P02CA-13525-03 0008 Program for treatment of malignant
 brain tumors - Experimental chemotherapy of brain tumors
 (mammals)
 P02CA-13525-03 0009 Program for treatment of malignant
 brain tumors - Sterol analysis of brain tumors (rats)
 P02CA-13525-03 0010 Program for treatment of malignant
 brain tumors - Aldolase C in brain tumors (human)
 P02CA-13525-03 0011 Program for treatment of malignant
 brain tumors - Immunology of central nervous system
 tumors (human)
 ** P02CA-13525-03 0014 Program for treatment of malignant
 brain tumors - Ultrastructure of methyl nitrosourea-induced
 rat glioma
 R01CA-13533-03 Ectopic placental proteins in cancer
 (human)
 ** R10CA-13539-02 Children's cancer study Group A
 ** R10CA-13611-02 Eastern cooperative oncology group
 ** R10CA-13612-01 Southwest Cancer Chemotherapy Study
 Group
 ** R10CA-13613-02 Eastern cooperative oncology group
 ** R10CA-13630-03 Gynecologic oncology group
 ** R10CA-13631-02 Gynecologic oncology group
 ** R10CA-13632-03 Gynecologic oncology group
 ** R10CA-13633-03 Gynecologic oncology group
 ** R10CA-13641-03 Gynecologic oncology group
 ** R10CA-13643-02 Southwest cancer chemotherapy study
 group
 ** R10CA-13650-02 Eastern Cooperative Oncology Group
 ** R01CA-13687-01 Treatment of cancer by inhibition of
 gluconeogenesis
 P02CA-13696-02 0001 Clinical cancer research center -
 Leukemia, lymphoma and myeloma (human)
 P02CA-13696-02 0002 Clinical cancer research center -
 Multiple myeloma and related plasma cell dyscrasia
 (human)
 P02CA-13696-02 0096 Clinical cancer research center -
 Human prolactin in breast cancer
 P02CA-13696-02 0007 Clinical cancer research center -
 Epidemiological studies of breast cancer (human)
 P02CA-13696-02 0015 Clinical cancer research center -
 Colorectal cancer-Adjuvantive radiotherapy (human)
 ** P02CA-13696-02 0016 Clinical cancer research center -
 Colorectal cancer-Adjuvantive chemotherapy (human)
 ** P02CA-13696-02 0023 Clinical cancer research center -
 Chemotherapy of nervous system tumors-Clinical studies
 (human)
 ** P02CA-13696-02 0024 Clinical cancer research center -
 Chemotherapy of nervous system tumors-Laboratory studies
 (human)
 P02CA-13696-02 0025 Clinical cancer research center -
 Nervous neoplasms-Isotope concentration in tumor
 response (dogs)
 ** P02CA-13696-02 0028 Clinical cancer research center -
 Neurobiology of CNS tumors-Superselective catarization
 (dogs, human)
 P02CA-13696-02 0029 Clinical cancer research center -
 Neurobiology of CNS tumors-Measuring blood flow and
 cerebral edema (human)
 P02CA-13696-02 0034 Clinical cancer research center -
 Retinoblastoma (human)
 ** P02CA-13696-02 0036 Clinical cancer research center -
 Retinoblastoma-Chemotherapeutic research (human)
 P02CA-13696-02 0037 Clinical cancer research center -
 Malignant melanoma of the UVEA (human)
 ** P02CA-13696-02 0068 Clinical cancer research center -
 Polyamine metabolism in the nervous system (human)
 R01CA-13700-02 Parathyroid hormone and cancer (human)
 R01CA-13701-02 Mechanisms of immunity in leukemia
 (mice)

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**Oriented significantly to above subject.

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- PO1CA-13704-02 Exploratory studies for cancer research (human)
- ** R01CA-13718-02 Aberrant gene expression during chemotherapy (rats, mice)
- R01CA-13777-02 Potential of ergot alkaloids in control of breast cancer (mice, rats)
- ** R10CA-13809-02 Children's cancer study group A
- R01CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
- ** R01CA-13822-02 Effects of cancer and therapy on infection and immunity (hamsters, mice, rabbits)
- ** R01CA-13832-02 Enzymatic prediction of response to anticancer drugs (human)
- ** R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
- R26CA-13859-03 Administration of the National Bladder Cancer Project
- ** R10CA-13887-02 Gynecologic oncology group
- ** R01CA-13897-02 Brain tumor chemotherapy with semipermeable membranes (dogs)
- M P02CA-13943-02 Clinical pharmacology immunology cancer research center
- P02CA-13943-02 0009 Clinical pharmacology immunology cancer research center - Predictive tests in culture of human leukemic cells
- ** P02CA-13943-02 0010 Clinical pharmacology immunology cancer research center - Combination chemotherapy
- P02CA-13943-02 0018 Clinical pharmacology immunology cancer research center - Prediction of clinical toxicity due to chemotherapy (rats, human)
- ** P02CA-13943-02 0035 Clinical pharmacology immunology cancer research center - Rational drug combinations
- ** P02CA-13943-02 0036 Clinical pharmacology immunology cancer research center - Combination chemotherapy with extracorporeal L-asparaginase (human, mice)
- ** P02CA-13943-02 0037 Clinical pharmacology immunology cancer research center - Drug metabolism in combination chemotherapy (human)
- ** P02CA-13943-02 0048 Clinical pharmacology immunology cancer research center - Solid tumors (human, mice)
- ** P02CA-13943-02 0049 Clinical pharmacology immunology cancer research center - Solid tumors (mice)
- ** P02CA-13943-02 0050 Clinical pharmacology immunology cancer research center - Dermatology
- ** P02CA-13943-02 0055 Clinical pharmacology immunology cancer research center - Leukemia-lymphoma research project (human)
- P02CA-13943-02 0058 Clinical pharmacology immunology cancer research center - Evaluation of neutrophil phagocytic function in patients
- ** P02CA-13943-02 0063 Clinical pharmacology immunology cancer research center - Chemotherapy of lung carcinoma (human)
- ** P02CA-13943-02 0069 Clinical pharmacology immunology cancer research center - Response gonito-urinary tumors (human, hamsters, rats)
- ** P02CA-13943-02 0070 Clinical pharmacology immunology cancer research center - Chemotherapy of metastatic breast cancer (human)
- R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
- ** R01CA-14019-02 Antiangiogenesis—New method of therapy of solid tumors
- ** R01CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
- ** R10CA-14028-01 Southwest Cancer Chemotherapy Study Group
- ** R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- M R01CA-14088-02 Decision-aiding methodology for leukemia chemotherapy
- R01CA-14088-02 0001 Decision-aiding methodology for leukemia chemotherapy - Leukemia/therapy simulator (human)
- R01CA-14088-02 0002 Decision-aiding methodology for leukemia chemotherapy - Toxicity modifier (human)
- R01CA-14088-02 0003 Decision-aiding methodology for leukemia chemotherapy - Morbidity/mortality predictor (human)
- R01CA-14088-02 0004 Decision-aiding methodology for leukemia chemotherapy - Value calculator (human)
- R01CA-14088-02 0005 Decision-aiding methodology for leukemia chemotherapy - Explorer/optimizer (human)
- R26CA-14140-02 Administration of the National Colorectal Cancer Project
- ** R10CA-14144-02 Eastern cooperative oncology group
- ** R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
- ** R10CA-14215-02 Eastern cooperative oncology group
- R01CA-14223-02 Measurement of cell response to anticancer drugs
- R01CA-14231-03 Role of metabolism in biliary excretion of drugs (rats)
- P01CA-14236-01 Comprehensive cancer center support grant
- ** R01CA-14266-03 Chemotherapy with inhibitors of protein synthesis (E. coli, rats)
- ** R10CA-14299-03 Southeastern cancer study group
- ** R01CA-14365-02 Cell cycle in relation to cancer
- R01CA-14386-01 Toxicity of anti-tumor drugs (mice)
- ** R01CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
- ** P01CA-14395-02 0036 Cancer research center of Greater Miami - Programmed chemotherapy and cell kinetics in gynecologic cancer
- ** P01CA-14395-02 0037 Cancer research center of Greater Miami - Medical oncology program
- ** R18CA-14415-02 Western cancer study group
- ** R10CA-14438-02 Western cancer study group
- ** R10CA-14442-02 Western Cancer Study Group
- ** R10CA-14443-02 Western cancer study group
- R01CA-14443-02 Carcinostatic treatment according to spectrum of rhythms(mice)
- ** R10CA-14449-02 Western cancer study group
- ** R10CA-14450-02 Western cancer study group
- R01CA-14460-01 Immunotherapy combined with surgery and chemotherapy
- ** R10CA-14472-02 Western cancer study group
- ** R10CA-14485-02 Western cancer study group
- ** R10CA-14488-02 Western cancer study group
- ** R10CA-14506-02 Western cancer study group
- R10CA-14518-02 Western cancer study group
- P02CA-14520-02 0012 Wisconsin Clinical Cancer Center - Clinical investigation of therapy for solid tumors
- P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
- ** R01CA-14527-01 Enzyme therapy of neoplasia (mice)
- ** R01CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
- M P01CA-14536-01 Cancer institute core proposal
- P01CA-14536-01 0087 Cancer institute core proposal - Pediatric cancer center
- R01CA-14538-02 L-asparaginase enzymology—Side effects of chemotherapy (bacteria)
- ** R10CA-14557-01 Children's cancer study group A
- ** R10CA-14562-02 Western cancer study group
- ** R01CA-14571-02 Surgical adjuvant renal cell carcinoma (human)
- ** P01CA-14590-01 0025 University of Chicago Cancer Research Center - Estrogen receptors and breast cancer response to endocrine therapy (human)
- P01CA-14599-01 0028 University of Chicago Cancer Research Center - Use of cesium-131 in choice of therapy for metastatic cancer (human)
- P01CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- P01CA-14599-01 0033 University of Chicago Cancer Research Center - Comprehensive therapy of metastatic colon and rectal cancer (human)
- P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
- P01CA-14599-01 0040 University of Chicago Cancer Research Center - Management of ovarian carcinoma (human)
- ** R01CA-14658-02 Murine model for neuroblastoma chemotherapy in man
- ** R10CA-14678-02 Central Oncology Group
- R01CA-14759-02 Cytotoxic selectivity of anticancer drugs (mice, hamsters, rats)
- R01CA-14768-01 Immunological parameters of spontaneous murine cancer (mice)
- R01CA-14770-01 Human tumor cell kinetics—Effect of treatment
- R01CA-14774-01 Buoyant density studies on leukemic cells
- ** R01CA-14783-02 Polyamine metabolism in cancer and cancer chemotherapy (mice)
- M P01CA-14801-02 Chemotherapy and regulation of oncogenic viruses
- P01CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- R01CA-14821-02 Steroid hormone control of tumor cell growth in vitro (hamsters)
- ** R01CA-14894-01 Drugs preventing oncornavirus cancers—Anthracyclines
- R01CA-14896-01 Growth hormones—Regulatory effects in animals
- R26CA-14924-02 Immunity to colonic carcinomas in rats and man
- ** R10CA-14963-01 Central oncology group
- ** R01CA-14969-02 0004 Radionuclide studies of tumors and growth - Cis-dichlorodiammine platinum as an antitumor agent (human, dogs, rabbits)
- R01CA-14984-01 Immunological aspects of cancer prognosis
- R01CA-15009-01 Cell-associated tumor immunity in acute leukemia
- R01CA-15036-02 A phosphoribosyltransferase from leukemic cells
- R01CA-15039-01 human cancer
- P02CA-15083-01 0003 Cancer Center Support Grant—Mayo Foundation - Medical oncology
- P02CA-15083-01 0008 Cancer Center Support Grant—Mayo Foundation - Management of breast cancer (human)
- P02CA-15083-01 0012 Cancer Center Support Grant—Mayo Foundation - Management of pediatric cancer
- P02CA-15083-01 0013 Cancer Center Support Grant—Mayo Foundation - Management of lymphoma (human)
- ** R01CA-15093-01 Brain tumor chemotherapy screening model (human, rats)
- ** R26CA-15107-02 Chemotherapy for national prostatic cancer project (human)
- ** R26CA-15108-02 Chemotherapy of advanced prostatic cancer (human)
- R01CA-15115-01 Local immune response against cancer (human)
- ** R26CA-15126-02 Acid and alkaline phosphatases in prostatic cancer (human)
- R01CA-15129-01 A serum immunosuppressive factor in cancer (human, mice)
- ** R01CA-15142-01 Cancer chemotherapy and immunologic effects
- R01CA-15143-01 Bisguanhydrazones, polyamines and cell proliferation (mice)
- ** P02CA-15145-01 0006 Cancer center support grant - Combination chemotherapy of high risk choriocarcinoma and invasive mole (human)
- P02CA-15145-01 0007 Cancer center support grant - Early detection of choriocarcinoma and invasive mole (human)
- ** P02CA-15145-01 0008 Cancer center support grant - Tailoring therapy
- P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
- ** P02CA-15145-01 0011 Cancer center support grant - Chemotherapy of choriocarcinoma and invasive mole (human)
- P02CA-15145-01 0014 Cancer center support grant - Ovarian cancer—Gynecologic oncology group
- P02CA-15145-01 0015 Cancer center support grant - Metabolism of murine L-1210 leukemic cells
- P02CA-15145-01 0020 Cancer center support grant - Prostate—Neoplastic and normal growth (human, dog)
- P02CA-15145-01 0039 Cancer center support grant - Quantitative electron microscopy of leukemic cells (human)
- P02CA-15145-01 0041 Cancer center support grant - Children's cancer study group A
- ** P02CA-15145-01 0043 Cancer center support grant - Adjuvant cancer chemotherapy trials in treatment of colon and lung cancer (human)
- P02CA-15145-01 0046 Cancer center support grant - Rapid detection of infection in cancer patients
- ** P01CA-15192-01 Cancer Center Support Grant Specialized
- ** R01CA-15201-01 Experimental radiotherapy—Basis and modification (mice)
- R01CA-15225-01 Cancer radiochemotherapy with 7-trifluorotriacetyl (rats, human)
- ** R10CA-15241-02 Central oncology group
- R26CA-15263-01 Immune status of gastrointestinal tumor—Colon (human)
- ** R26CA-15284-02 Chemotherapy for patients with prostatic cancer
- ** R01CA-15290-01 Cancer spreading factors as a target for zinc therapy
- R13CA-15293-01 Annual symposium on fundamental cancer research
- R10CA-15294-01 Western Cancer Study Group
- ** R26CA-15315-02 0003 Control of bladder cancer - Prevention of bladder cancer by promotion inhibitors (rats)
- R01CA-15317-01 Double mifalators as anticancer agents (mice)
- ** R13CA-15367-01 Symposium on New Ideas in Cancer Chemotherapy 1973 (California)
- R01CA-15397-02 Drug sensitivity of mammalian cells in plateau phase
- ** R26CA-15407-02 Chemotherapy of prostatic cancer
- ** R26CA-15412-02 Diagnosis and treatment of bladder cancer in mice
- ** R26CA-15416-02 Prostatic DNA synthesis—A screen for cancer chemotherapeutic agents (rats)
- ** R26CA-15421-02 Chemotherapy for advanced prostatic cancer (human)
- ** R01CA-15435-02 0002 Pharmacokinetics of brain tumor chemotherapy - Therapeutic efficiency of 5-fluorouracil (rats, monkeys)
- R26CA-15436-01 Test systems for drugs against prostatic cancer (rats, dogs, baboons)
- ** R10CA-15457-01 Western Cancer Study Group
- ** R10CA-15467-01 Southwest Oncology Group
- ** R10CA-15485-01 Eastern Cooperative Oncology Group
- ** R26CA-15491-01 National Bladder Cancer Collaborative Group A
- R26CA-15492-01 Evaluation and management of bladder carcinoma
- R01CA-15500-01 Immunologically induced tumors (mice)
- R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)
- ** R10CA-15525-01 Southwest Cancer Chemotherapy Study Group
- R01CA-15564-01 Leukocyte bactericidal power in leukemia (human)
- R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
- R10CA-15578-01 Southeastern Cancer Study Group
- R01CA-15583-01 New approaches to cancer chemotherapy (mice)
- ** R10CA-15584-01 Southeastern Cancer Study Group

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-15594-01 Effects of radiation on replicating endothelial cells (mice)
- R01CA-15605-01 Chemotherapeutic agents and ultraviolet carcinogenesis (mice)
- ** R01CA-15611-01 Monocyte and T-lymphocyte receptors in malignancy (children)
- ** R01CA-15615-01 Effects of hydrazines on RNA and polyamines (rats)
- R01CA-15627-01 Leukemia chemotherapy and neutrophilic dysfunction
- R01CA-15629-01 Pathogenesis of anemia in malignancy (human, rodents)
- ** R26CA-15638-01 Inhibition of neoplasia of the large bowel (rats)
- ** P01CA-15655-01 0007 Cancer center support grant - Chemotherapy of Rauscher leukemia and transplanted tumors (mice)
- P01CA-15655-01 0033 Cancer center support grant - Cytogenetic screening-Hematologic disorders (human)
- P01CA-15655-01 0038 Cancer center support grant - Immunodiagnosis and immunotherapy of cancer (human)
- ** P01CA-15655-01 0040 Cancer center support grant - Neoplastic response to 5-fluorouracil therapy (human)
- ** R01CA-15659-01 Inhibition of pteridine enzymes in cancer chemotherapy (rats, human)
- ** P01CA-15665-01 Curing of leukemic mice with amphotericin B and BCNU
- ** P02CA-15688-01 0010 Program in medical oncology - Combination radio-chemotherapy for Hodgkin's disease
- ** P02CA-15688-01 0011 Program in medical oncology - Combination radio-chemotherapy for non-Hodgkin's lymphoma
- ** P02CA-15688-01 0012 Program in medical oncology - Combination radio-chemotherapy of testis neoplasms
- ** P02CA-15688-01 0013 Program in medical oncology - Remission induction in adult non-lymphocytic leukemia
- ** P02CA-15688-01 0014 Program in medical oncology - Combination radio and chemotherapy of oat cell lung carcinoma
- ** P02CA-15688-01 0015 Program in medical oncology - Adjuvant chemotherapy, carcinoma of the breast
- ** P02CA-15688-01 0016 Program in medical oncology - Intensive combination therapy, ovarian carcinoma
- ** P02CA-15688-01 0017 Program in medical oncology - Chemotherapy-immunotherapy of malignant melanoma
- P01CA-15704-01 0036 Cancer center support grant - Therapeutic radiology
- ** R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- ** R01CA-15757-01 Plasma membrane recognition in tumor chemotherapy (rats)
- ** R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
- R01CA-15811-01 Host resistant to cancer (human, mice)
- R01CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
- ** R01CA-15837-01 Chalcones and cancer chemotherapy
- ** R01CA-15857-01 Clinical chemotherapy and pharmacology
- ** R01CA-15860-01 Program for development of new antitumor enzymes (mice)
- R01CA-15909-01 0002 Drug development-human leukemia growth factors - Drug combination studies (mice, human)
- R26CA-15933-01 Primary urinary bladder neoplasms (human)
- ** R26CA-15934-01 National Bladder Cancer Collaborative Group A
- M P01CA-15936-01 Specialized Cancer Center
- ** P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
- ** P01CA-15936-01 0005 Specialized Cancer Center - Drugs (dog, monkey, human)
- ** P01CA-15936-01 0007 Specialized Cancer Center - Activity trials (human)
- P01CA-15936-01 0008 Specialized Cancer Center - Extended clinical trials (human)
- P01CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
- P01CA-15936-01 0016 Specialized Cancer Center - Immunological research (human, mice)
- R26CA-15937-01 National Bladder Cancer Collaborative Group A
- ** R26CA-15944-01 Evaluation of bladder cancer patients management
- ** R10CA-15947-01 Eastern Cooperative Oncology Group
- R01CA-15956-01 Leukokinetics in acute leukemia with DFP32
- ** R10CA-15975-01 Gynecologic oncology group
- ** R10CA-15977-01 Gynecologic Oncology Group
- ** R10CA-15995-01 Southwest cancer chemotherapy study group
- R01CA-16020-02 Mycosis fungoides cooperative study
- R01CA-16034-01 Mitosis promotion in lymphoma cells and chemotherapy
- ** R01CA-16045-01 Polynucleotides and streptoviricins in cancer chemotherapy
- R01CA-16048-01 Cancer chemotherapy-Gammaglutamates of methotrexate (mice)
- R01CA-16073-01 Fetal isoenzymes as biologic markers (human)
- ** R26CA-16077-01 Drug development for prostatic carcinoma (human, hamsters)
- ** R10CA-16118-01 Acute leukemia group B-operations office
- P01CA-16127-01 0003 Cancer Research and Treatment Center Program - Cancer radiotherapy evaluation
- ** P01CA-16127-01 0004 Cancer Research and Treatment Center Program - Cancer chemotherapy evaluation
- P01CA-16127-01 0021 Cancer Research and Treatment Center Program - Pi meson radiotherapy of brain glioma (human)
- R01CA-16149-01 Role of prolactin in breast and prostate cancer (human)
- ** R01CA-16191-01 5-Substituted pyrimidines and cancer chemotherapy
- R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
- P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- P01CA-16247-01 0005 Immunologic aspects of cancer - Nutritional requirement of plasma cell tumors (human, mice)
- R01CA-16274-01 Non-histone chromosomal proteins and hepatoma growth (rats)
- R26CA-16276-01 National program for pancreatic cancer
- R01CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- R01CA-16357-01 Prevention of death from radio- or chemotherapy (mice)
- P01CA-16359-01 0015 Cancer center support grant - Action of folate antagonists and B12-folate (human)
- ** P01CA-16359-01 0041 Cancer center support grant - Immunosuppressive and tumoricidal drugs
- P01CA-16359-01 0059 Cancer center support grant - Medical oncology
- R01CA-16379-01 Experimental cancer chemotherapy of neuroblastoma
- ** R18CA-16400-01 0002 Cancer control development grant - Treatment (human)
- ** R18CA-16404-01 0010 Cancer control development grant - Prototype chemotherapy program
- R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
- R18CA-16405-01 0004 Development of regional cancer control program - Regional affiliation for cooperative studies of hematological malignancy (human)
- R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
- R26CA-16886-01 National bladder cancer collaborative group A (human)
- R01CA-16904-01 Microbial metabolite inhibition of tumor B12 binding (tissue culture)
- ** R01CA-17117-01 Protective environment in intensive cancer therapy (human)
- ** N01CB-33886-01 Cell kinetics of breast cancer (human)
- ** N01CB-33899-01 Chemotherapy utilizing 5-FU, cytosol and prednisone (human)
- N01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
- ** N01CB-43879-00 Chemoimmunotherapy of acute myelocytic leukemia (human)
- ** N01CB-43881-00 Antibodies to human tumor cells
- N01CB-43891-00 Animal models for circulating tumor associated antigens (Holtzman rats)
- N01CB-43899-00 New techniques for the study of cell kinetics of breast cancer
- N01CB-43914-00 Predictable transplantable mammary tumor model (animals)
- ** N01CB-43916-00 Hormone therapy plus chemotherapy in patients with breast cancer
- N01CB-43917-00 Therapy of carcinoma of the breast (human)
- N01CB-43953-00 Immunofluorescent techniques of antibodies against autologous human tumor cells
- ** N01CB-43967-00 Hapten treatment of cancer (rats)
- N01CB-43990-00 Therapy of carcinoma of breast (human)
- ** N01CB-43991-00 Hormone therapy plus chemotherapy in patients with breast cancer
- N01CM-02028-07 Experimental chemotherapy of brain tumors (human)
- ** N01CM-02030-07 Cooperative studies in brain tumor chemotherapy
- ** N01CM-02066-08 Investigation of new drugs on treatment of gastrointestinal cancers (human)
- N01CM-12094-03 Role of protected environment in therapy of acute leukemia
- ** N01CM-12181-03 Brain tumor chemotherapy (human)
- ** N01CM-12185-05 Research on carcinoma of the breast (human)
- ** N01CM-22053-04 Liaison office for cancer chemotherapy
- ** N01CM-22054-04 Establish cancer liaison office in Japan
- ** N01CM-22072-04 Clinical trials of carcinoma of the breast
- ** N01CM-22074-06 Services for research and experimentation on breast carcinoma
- N01CM-23703-06 Therapy evaluation against spontaneous mammary cancer (mice)
- N01CM-23707-05 Preparation of bulk chemicals and drugs
- ** N01CM-23711-05 Biomedical engineering research services
- ** N01CM-33703-01 Structural properties of cancer therapeutic agents
- N01CM-33705-01 Determinative and diagnostic microbiological services
- N01CM-33713-01 Development of staging system for multiple myeloma patients
- N01CM-33714-01 Clinical trials for breast and gastrointestinal cancer and brain tumors
- ** N01CM-33719-01 Chemical information processing system
- N01CM-33728-02 Chemotherapy, drug distribution and genetic cancer
- ** N01CM-33734-01 Therapy of patients with bronchogenic carcinoma
- ** N01CM-33735-02 Therapy of patients with bronchogenic carcinoma
- ** N01CM-33738-02 Therapy of bronchogenic carcinoma (human)
- N01CM-33739-02 Processing of clinical patient research data
- ** N01CM-43703-00 Chemotherapy of ovarian carcinoma
- ** N01CM-43705-00 Intrathecal toxicity of antineoplastic agents (Rhesus monkeys)
- ** N01CM-43706-00 Cooperative studies in brain tumor chemotherapy
- ** N01CM-43714-00 Therapy of patients with testicular carcinoma
- N01CM-43715-00 Therapy of patients with testicular carcinoma
- N01CM-43716-00 Therapy of patients with testicular carcinoma
- ** N01CM-43727-00 Trials in gastrointestinal cancer (human)
- N01CM-43731-00 Interaction of anticancer agents at the cellular level
- ** N01CM-43743-00 Development and production of parenteral dosage forms for clinical investigation
- ** N01CM-43748-00 Programs involving combination drug and combined modalities treatment of cancer
- ** N01CM-43764-00 Phase II chemotherapy studies (human)
- N01CM-43781-00 Therapy of patients with gastric carcinoma
- N01CM-43782-00 Therapy of patients with gastric carcinoma
- N01CM-43783-00 Therapy of patients with gastric carcinoma
- N01CM-43794-00 Therapy of patients with pancreatic carcinoma
- N01CM-43795-00 Therapy of patients with pancreatic carcinoma
- N01CM-43796-00 Therapy of patients with pancreatic carcinoma
- N01CM-43797-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43798-00 Therapy of patients with pancreatic carcinoma (human)
- N01CM-43799-00 Therapy of patients with pancreatic carcinoma
- N01CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
- ** N01CM-43801-00 Phase I studies of new anticancer agents (human)
- N01CM-43803-00 Studies of new anticancer agents
- ** N01CM-43806-00 Synthesis of nucleosides and related derivatives for cancer chemotherapy
- ** N01CM-50654-21 Distribution of antileukemic drugs
- ** N01CM-51021-19 Registry of NCI cancer chemotherapy
- ** N01CM-71173-12 Studies in brain tumor chemotherapy (human)
- ** N01CM-71174-12 Chemotherapy of patients with brain tumors
- ** N01CM-71175-09 Experimental chemotherapy on brain tumor (human, rats)
- ** N01CM-71343-12 Development of a lymphoma treatment center
- ** N01CM-80950-10 Brain tumor chemotherapy (human)
- ** N01CM-35009-03 Clinical chemotherapy in cancer control (human)
- N01CM-35013-03 Clinical chemotherapy in cancer control (human) I
- ** N01CM-35014-03 Prototype clinical chemotherapy program in cancer
- ** N01CM-35015-03 Prototype clinical chemotherapy program in cancer control
- ** N01CM-35017-02 Prototype clinical chemotherapy program in cancer control
- ** N01CM-35019-02 Prototype clinical chemotherapy program in cancer control
- ** N01CM-35025-02 Clinical chemotherapy in cancer control (human)
- N01CM-35027-02 Evaluation of thermography in mass screening for breast cancer (human)
- P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (hamsters)
- P13DE-02731-08 0004 Development support for dental research institute - Dental pharmacology (human, rats, mice)
- P10ES-00267-07 0012 Center for environmental toxicology - Basic proteins of Elapid venoms-Mechanism of action (rats, mice)
- P11GM-15956-07 0025 Factors affecting the responses to drugs - Warfarin treatment of transplanted fibrosarcoma (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P11GM-15956-07 0029 Factors affecting the responses to drugs - Blood pressure response to norepinephrine in patients with malignancy (also rats)
- P11GM-15956-07 0047 Factors affecting the responses to drugs - Effect of malignancy on antipyrine metabolism in man
- PO1GM-16496-06 0052 Clinical pharmacology-Pharmacokinetics - Anti-cancer drugs in multiple myeloma (human)
- PO1GM-18674-03 0011 Diagnostic radiology research and training center - Responsiveness of normal and neoplastic vessels in liver (rabbits)
- RO1GM-19719-02 Control of cell division (human, mice)
- ** P11GM-20852-01 0011 Clinical pharmacokinetics and biopharmaceutics - Kinetics of differential cytotoxicity
- RO1GM-21165-01 Analysis of lectins in tropical rainforest plants
- RO1HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
- RO1HL-06241-13 Structure-function relations in blood cell membranes (human, rats)
- PO1HL-06374-14 0006 Expansion of research in a hematologic center - Relationship of reticuloendothelial system to erythropoiesis (human, mice)
- P17HL-14179-04 0015 Center for the study of lung disease - Macrophages and phagocytosis-Drugs and lung disease (human)
- RO1NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- ** RO1NS-10072-02 Interactive computer graphics
- RO1NS-10551-08 Cancer of the larynx by serial sections (human)
- PO7RR-00003-13 0074 Medical data processing research - Clinical laboratory program
- MO1RR-00030-13 0031 General clinical research center - Genetic and metabolic nature of multiple endocrine adenomas (human)
- ** MO1RR-00030-13 0094 General clinical research center - Evaluation of regional cancer chemotherapy (human)
- ** MO1RR-00030-13 0095 General clinical research center - Irradiation and 1,3-bis (2-chloroethyl)-1-nitrosourea for brain glioma (human)
- ** MO1RR-00030-13 0097 General clinical research center - Treatment of acute myeloblastic leukemia (human)
- MO1RR-00030-13 0102 General clinical research center - Treatment of lymphocytic and lymphoblastic leukemia with immune plasma
- ** MO1RR-00030-13 0104 General clinical research center - Study of platinum, diaminedichloro, CIS (human)
- ** MO1RR-00030-13 0130 General clinical research center - 2, 4-diamino-5-(3',4'-dichlorophenyl)-6-methyl pyrimidine for leukemia
- MO1RR-00030-13 0131 General clinical research center - Acute leukemia treated by beta-deoxythioguanosine (human)
- MO1RR-00030-13 0133 General clinical research center - Effect of cytosine arabinoside and thioguanine in granulocytic leukemia (human)
- MO1RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
- ** MO1RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
- MO1RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- MO1RR-00032-14 0052 General clinical research center - Effect of alpha-methyl-para-tyrosine on metastatic pheochromocytoma
- MO1RR-00034-14 0021 General clinical research center - Use of streptozotocin in pancreatic tumors (human)
- ** MO1RR-00034-14 0031 General clinical research center - Cancer chemotherapy (human)
- MO1RR-00034-14 0066 General clinical research center - Modification of cellular immunity in neoplasia (human)
- ** MO1RR-00035-14 0112 General clinical research centers - Chemotherapy of neoplastic disease
- MO1RR-00036-14 0023 General clinical research center - Cancer chemotherapy (human)
- ** MO1RR-00036-14 0032 General clinical research center - Toxicology and pharmacology of cancer chemotherapy agents (human)
- ** MO1RR-00036-14 0203 General clinical research center - Use of chemotherapeutic drug as an adjunct to radiation therapy (human)
- ** MO1RR-00037-14 0071 General clinical research center - Islet cell hyperfunction (human)
- MO1RR-00037-14 0129 General clinical research center - Allogeneic marrow transplantation (human)
- ** MO1RR-00037-14 0130 General clinical research center - Chemoinmunotherapy of acute leukemia in adults
- ** MO1RR-00039-14 0027 General clinical research center - Metabolic effects of methotrexate (human)
- MO1RR-00042-14 0009 General clinical research center - Leucine and sulfonurea induced hypoglycemia (human)
- ** MO1RR-00042-14 0024 General clinical research center - Methioquin iodine 131 therapy in malignant melanoma (human)
- MO1RR-00042-14 0065 General clinical research center - Plasma levels of combined adriamycin and methotrexate in sarcoma (human)
- MO1RR-00043-14 0078 General clinical research center - Effects of salmon and human calcitonin in man
- ** MO1RR-00044-14 0090 General clinical research center - Absorption and excretion of calusterone (human)
- MO1RR-00047-14 0103 General clinical research center - Childrens cancer study group A
- MO1RR-00048-13 0006 Clinical center - Chemotherapy and choriocarcinoma (human)
- ** MO1RR-00049-13 0004 General clinical research center - Combination drug chemotherapy of non-Hodgkins lymphoma (human)
- ** MO1RR-00049-13 0014 General clinical research center - Cytosine arabinoside and hydroxyurea in acute leukemia (human)
- ** MO1RR-00049-13 0035 General clinical research center - Treatment of disseminated melanoma (human)
- ** MO1RR-00049-13 0036 General clinical research center - Study of adriamycin in solid tumor patients (human)
- ** MO1RR-00049-13 0037 General clinical research center - Induction and maintenance with Guanazole in adult leukemia (human)
- ** MO1RR-00049-13 0038 General clinical research center - Adriamycin in adult acute leukemia (human)
- ** MO1RR-00049-13 0039 General clinical research center - COAP, DOAP, OAP - chemotherapy for adult acute leukemia (human)
- ** MO1RR-00049-13 0040 General clinical research center - Chemotherapy of Hodgkins disease (human)
- ** MO1RR-00049-13 0041 General clinical research center - Chemotherapy of myeloblastic leukemia (human)
- ** MO1RR-00049-13 0042 General clinical research center - Combination chemotherapy programs in melanoma (human)
- ** MO1RR-00049-13 0047 General clinical research center - DIC, NSC 123127 and vincristine in sarcoma (human)
- ** MO1RR-00050-13 0047 Wilson's disease - Therapy of lung cancer (human)
- MO1RR-00050-13 0049 Wilson's disease - Acute leukemia (human)
- MO1RR-00050-13 0056 Wilson's disease - Treatment in patients with metastatic carcinoma of colon and rectum (human)
- MO1RR-00051-13 0012 General clinical research center - Leucopoietin assay in acute leukemia (human)
- ** MO1RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
- ** MO1RR-00051-13 0075 General clinical research center - Excretion of methylated purine as indices of neoplasm (human)
- ** MO1RR-00051-13 0152 General clinical research center - Cancer chemotherapy in solid tumors with poor prognosis (human)
- MO1RR-00054-13 0056 General clinical research center - Osteogenic sarcoma (human)
- ** MO1RR-00055-13 0070 General clinical research center - Evaluation of cancer treatment measurement of cesium 131 uptake
- MO1RR-00055-13 0113 General clinical research center - Treatment of adrenal cancer with ortho-p' DDD (human)
- ** MO1RR-00058-13 0050 General clinical research center - Levodopa induced hypotension in Parkinsonism patients (human)
- MO1RR-00059-13 0157 General clinical research center - Alpha-methyl-para-tyrosine in pheochromocytoma (human)
- MO1RR-00060-13 0050 General clinical research center - Chemotherapy and immunology of malignant gliomas (human)
- ** MO1RR-00060-13 0057 General clinical research center - Combination therapy in acute leukemia (human)
- MO1RR-00062-12 0034 Clinical research center, children - Evaluation of chemotherapy in malignancies-Influence of leukemic serum
- ** MO1RR-00062-12 0040 Clinical research center, children - Cancer chemotherapy in adults
- ** MO1RR-00062-12 0044 Clinical research center, children - Pneumatosis cystoides intestinalis in lymphoma and acute leukemia
- ** MO1RR-00063-12 0040 General clinical research center - Chemotherapy of leukemias, lymphomas and related tumors
- ** MO1RR-00063-12 0080 General clinical research center - Chemotherapy and irradiation of Hodgkin's disease (human)
- MO1RR-00064-10 0017 General clinical research center - Leukemia and malignant diseases in children
- MO1RR-00064-10 0021 General clinical research center - Cytosine arabinoside in treatment of acute leukemia (human)
- MO1RR-00064-10 0034 General clinical research center - Daunomycin-leukemia (human)
- ** MO1RR-00064-10 0053 General clinical research center - Treatment of solid tumor and lymphoma with 5-azacytidine (NSC-102816) (human)
- MO1RR-00064-10 0073 General clinical research center - Forafur for advanced malignant disease (human)
- MO1RR-00068-12 0049 General clinical research center - Kinetics of testosterone in treatment with progestins and estrogens (human)
- MO1RR-00069-12 0054 General clinical research center, children - Use of 5-fluorouracil entry into malignant brain tumors
- ** MO1RR-00070-12 0026 General clinical research center - Manipulation of GI environment in small bowel lymphoma (human)
- ** MO1RR-00070-12 0039 General clinical research center - Therapy in acute myelogenous leukemia (human)
- MO1RR-00070-12 0058 General clinical research center - CCNU in malignant brain tumors (human)
- MO1RR-00075-11 0060 General clinical research center for children - Immunotherapy of malignancy
- MO1RR-00076-12 0080 General clinical research center - Streptozotocin in treatment of metastatic carcinoid tumor (human)
- MO1RR-00076-12 0081 General clinical research center - Streptozotocin in treatment of endocrine tumors (human)
- MO1RR-00079-12 0100 General clinical research center - Use of streptozotocin in endocrine adenomatosis (human)
- MO1RR-00080-12 0060 General clinical research center - Adriamycin in metastatic breast cancer (human)
- MO1RR-00080-12 0067 General clinical research center - Human prolactin studies
- ** MO1RR-00080-12 0075 General clinical research center - Hodgkin's disease-Comparison of treatment (human)
- MO1RR-00080-12 0079 General clinical research center - Treatment of myeloblastic leukemia (human)
- MO1RR-00080-12 0080 General clinical research center - Oral methyl CCNU in lymphomas and solid tumors (human)
- ** MO1RR-00080-12 0081 General clinical research center - Five drug therapy in breast carcinoma (human)
- ** MO1RR-00080-12 0083 General clinical research center - Vincristine, imidazole carboxamide and adriamycin in solid tumors and leukemia
- ** MO1RR-00080-12 0084 General clinical research center - Treatment of solid tumors and refractory lymphomas (human)
- MO1RR-00080-12 0030 General clinical research center - childran - Pharmacology of selected antitumor agents
- MO1RR-00095-14 0064 General clinical research center - Evaluation of antineoplastic therapy for pheochromocytoma (human)
- ** MO1RR-00109-11 0045 General clinical research center - Combination chemotherapy in malignant melanoma (human)
- ** MO1RR-00123-11 0025 General clinical research center - Children - Transfer factor in therapy of leukemia, immune deficiency diseases
- ** MO1RR-00125-11 0199 General clinical research center - adult-child - Combination chemotherapy and CNS prophylaxis for acute lymphoblastic leukemia
- MO1RR-00125-11 0200 General clinical research center - adult-child - L-asparaginase therapy for acute lymphoblastic leukemia
- MO1RR-00125-11 0201 General clinical research center - adult-child - Adriamycin therapy in acute leukemia and solid neoplasms
- ** MO1RR-00125-11 0202 General clinical research center - adult-child - Antileukemia effectiveness of combined methotrexate and L-asparaginase
- ** MO1RR-00125-11 0203 General clinical research center - adult-child - Carboxypeptidase G1 in leukemia
- ** MO1RR-00125-11 0229 General clinical research center - adult-child - Evaluation of chemotherapy for medulloblastoma
- MO1RR-00134-10 0001 General clinical research center - Serotonin metabolism (human)
- MO1RR-00261-09 0100 General clinical research center - Psoriasis and cancer (human)
- MO1RR-00262-09 0037 General clinical research center - Use of oral estracty in prostate carcinoma (human)
- MO1RR-00262-09 0038 General clinical research center - New steroidal alkylating agent-LEO 1031 (human)
- MO1RR-00262-09 0039 General clinical research center - Simultaneous metabolism of C14 estradiol and H3 estracty in man
- ** MO1RR-00262-09 0044 General clinical research center - Anticoagulation as an adjunct to chemotherapy (human)
- ** MO1RR-00262-09 0045 General clinical research center - Evaluation of new compounds in colonic cancer
- MO1RR-00262-09 0046 General clinical research center - N6-benzyladenosine in chemotherapy (human)
- MO1RR-00262-09 0047 General clinical research center - Phase I study of a cytozoan analog-isophosphamide (human)
- MO1RR-00262-09 0049 General clinical research center - Use of imidazole carboxamide, dimethyl triazino in malignant melanoma (human)
- MO1RR-00262-09 0050 General clinical research center - Methyl CCNU streptozotocin, 5-FU, cyclophosphamide in pancreatic cancer (human)
- MO1RR-00262-09 0051 General clinical research center - Streptozotocin in treatment of islet cell carcinoma (human)
- MO1RR-00262-09 0056 General clinical research center - Phase I study of diglycoaldehyde (human)
- MO1RR-00287-08 0008 General clinical research center - Malignant carcinoid syndrome (human)
- ** MO1RR-00287-08 0037 General clinical research center - Acute leukemia group B cancer chemotherapy protocol (human)
- ** MO1RR-00318-08 0061 General clinical research center - Endocrine function in chemotherapy for cancer in children
- ** MO1RR-00322-08 0013 General clinical research center - Hyperalimentation and CA therapy (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** M01RR-00322-08 0024 General clinical research center - Chemotherapeutic program in lymphoproliferative neoplasms (human)
- ** M01RR-00322-08 0027 General clinical research center - Chemotherapy of chronic lymphocytic leukemia (human)
- M01RR-00334-08 0005 General clinical research center - Organ infusion (human)
- ** M01RR-00334-08 0016 General clinical research center - Bleomycin and bleomycin-CCNU cancer chemotherapy
- M01RR-00334-08 0022 General clinical research center - Cardiac function during adriamycin therapy
- M01RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)
- ** M01RR-00336-08 0050 General clinical research center - Chemotherapy for malignant brain tumor (human)
- ** M01RR-00336-08 0055 General clinical research center - Methotrexate, BCG, and IMH in treatment of head and neck cancer (human)
- ** M01RR-00336-08 0066 General clinical research center - Chemotherapy for malignant brain tumor patients
- M01RR-00336-08 0070 General clinical research center - Treatment of malignant brain gliomas-Phase II (human)
- ** M01RR-00336-08 0071 General clinical research center - Treatment of malignant brain gliomas-Phase III (human)
- M01RR-00400-06 0005 General clinical research center - adult - Cyclic leukocytosis in chronic myelogenous leukemia (children)
- M01RR-00425-06 0056 General clinical research center - Effect of daunorubicin on acute leukemia and solid tumors (human)
- ** M01RR-00425-06 0057 General clinical research center - Chemotherapy of disseminated malignancy (human)
- M01RR-00425-06 0067 General clinical research center - Chemotherapy of metastatic breast cancer (human)
- M01RR-00425-06 0068 General clinical research center - Intravenous procarbazine (human)
- M01RR-00626-02 0074 General clinical research center - Medical treatment of malignant insulinoma (human)
- ** M01RR-00626-02 0082 General clinical research center - Cancer chemotherapy (human)
- M01RR-00633-02 0039 General clinical research center - Metabolic fate of cancer chemotherapeutic agents (human)
- M01RR-00645-03 0026 Clinical research center - Biochemical, metabolic studies of leukemias, lymphomas and solid tumors (human)
- M01RR-00722-02 0025 General Clinical Research Center - Pathogenesis, immunology, management of skin diseases and solid tumors (human)
- M01RR-00827-01 0003 General clinical research center - Assessment of leukemic cell burden in acute leukemia (human)
- ** M01RR-00828-01 0036 General clinical research center - Combined chemotherapy and immunotherapy for CA of ovary and colon (human)
- M01RR-00833-01 0022 General clinical research center - Quantitative expression of HL-A antigen on leukocytes of leukemia patients
- ** M01RR-00865-01 0024 General clinical research center - Intra-arterial chemotherapy infusion for carcinoma of cervix (human)

NEOPLASTIC THERAPY, CANCER RADIOISOTOPE THERAPY

- P02CA-06294-13 0006 Radiotherapy research - Genitourinary tract (human)
- ** P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
- P02CA-06518-11 0033 Radiation and radiobiology research center - Radiation hepatitis
- ** P01CA-07368-11 0018 Interrelationships of normal and cancer cells - Boron slow neutron therapy-preclinical (human, laboratory animals)
- R01CA-10735-07 Population kinetics of tumors in vivo
- R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
- ** R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- P01CA-14043-01 0001 Radiation therapy clinical and research center - Documentation of radiation therapy computer programs
- R01CA-14303-02 Ferromagnetic silicone vascular occlusion in neoplasms (dogs, human)
- ** R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
- P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
- P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
- ** P01CA-14599-01 0041 University of Chicago Cancer Research Center - Fast neutron radiation therapy of cancer (human, dogs, mini-swine, hamster)
- R01CA-15225-01 Cancer radiochemotherapy with 7-tritiothiouracil (rats, human)
- ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)
- R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)

- P01CA-16359-01 0006 Cancer center support grant - Radioisotope facility
- ** R10CA-16402-01 0003 Cancer control development grant - Radiation dosimetry center (regional service)
- ** R10CA-16409-01 0003 Cancer control developmental grant - Regional radiation dosimetry service
- ** N01CN-45057-00 Cancer control radiologic physics centers
- ** N01CN-45162-00 Coordinating committee for cancer control radiologic physics center
- P01MH-11668-09 0056 Psychosocial factors in health and disease - Psychology of the cancer patient
- ** P07RR-00003-13 0047 Medical data processing research - Implantation therapy

NEOPLASTIC THERAPY, CANCER RADIOISOTOPE THERAPY

- R10CA-02599-20 Acute leukemia group B (human)
- R10CA-02649-18 Childrens cancer study group A
- ** R10CA-02822-19 Eastern cooperative oncology group (human)
- R10CA-02971-18 Childrens cancer study group A
- R10CA-03013-18 Southeastern cancer chemotherapy study group
- R10CA-03195-17 Southwest cancer chemotherapy study group
- R10CA-03227-18 Southeastern cancer study group
- ** R01CA-03353-17 Experimental radiotherapy-Cellular responses in vivo (mice)
- R10CA-03358-17 Cooperative breast cancer group
- R10CA-03359-17 Cooperative breast cancer group
- R10CA-03364-17 Cooperative breast cancer group
- R10CA-03389-16 Southwest cancer chemotherapy cooperative study group
- R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
- ** R10CA-03526-17 Childrens cancer study group A
- R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
- R10CA-03750-17 Childrens cancer study group A
- R10CA-03754-17 Southwest cancer chemotherapy study group-Data management
- R10CA-03888-17 Childrens cancer study group A
- R10CA-04457-15 Acute leukemia group B
- ** R01CA-04542-16 Modification of radiation response in vitro (mammals)
- R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
- R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
- R10CA-04920-15 Southwestern cooperative chemotherapy study group
- R10CA-05186-14 Western cancer study group
- ** R10CA-05436-14 Childrens cancer study group A
- R10CA-05587-14 Southwest cancer chemotherapy study group (human)
- ** R01CA-05654-14 Evaluation of supervoltage therapy (human)
- P02CA-05826-13 0059 Clinical cancer research center - Calcium metabolism in cancer and metabolic bone disease
- P02CA-05826-13 0066 Clinical cancer research center - Liquid diet for malabsorption in cancer
- ** P02CA-05826-13 0074 Clinical cancer research center - Fast and slow radiotherapy of metastatic brain tumors (human)
- ** P02CA-05826-13 0075 Clinical cancer research center - Radiation therapy versus surgery for cord compression (human)
- ** P02CA-05826-13 0076 Clinical cancer research center - Radiation, CCNU and steroids for malignant melanoma (human)
- ** P02CA-05826-13 0077 Clinical cancer research center - Surgery versus radiation therapy for single metastases (human)
- P02CA-05826-13 0078 Clinical cancer research center - Chemotherapy of primary and metastatic tumors (human)
- P02CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
- ** P02CA-05826-13 0081 Clinical cancer research center - Reproductive function in females with Hodgkin's disease
- P02CA-05826-13 0087 Clinical cancer research center - Pediatric oncology-neuroblastoma
- P02CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
- P02CA-05826-13 0089 Clinical cancer research center - Pediatric oncology-Ewing's sarcoma
- P02CA-05826-13 0091 Clinical cancer research center - Pediatric oncology-Hodgkin's disease
- P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
- P02CA-05831-13 0014 Cancer clinical research - Treatment of advanced melanoma
- P02CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)
- P02CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
- ** P02CA-05831-13 0034 Cancer clinical research - Immunological reactivity in carcinoma patients receiving radiotherapy
- ** P02CA-05834-13 0044 Cancer clinical research center - Lung cancer (human)
- P02CA-05837-12 0002 Cancer clinical research - 5-Fluorouracil (human)

- M P02CA-05838-13 Clinical radiotherapy cancer research center
- ** P02CA-05838-13 0003 Clinical radiotherapy cancer research center - Combined therapy of glioblastoma
- ** P02CA-05838-13 0004 Clinical radiotherapy cancer research center - Advanced pelvic neoplasms
- P02CA-05838-13 0005 Clinical radiotherapy cancer research center - Non-Hodgkin's lymphoma
- P02CA-05838-13 0008 Clinical radiotherapy cancer research center - Combined chemo- and radiotherapy of brain tumors
- ** P02CA-05838-13 0009 Clinical radiotherapy cancer research center - Preoperative radiotherapy in bladder cancer
- P02CA-05838-13 0010 Clinical radiotherapy cancer research center - Hypopharynx protocol
- ** P02CA-05838-13 0012 Clinical radiotherapy cancer research center - Prostate protocol
- ** P02CA-05838-13 0018 Clinical radiotherapy cancer research center - Mucosa fungoides protocol
- ** P02CA-05838-13 0019 Clinical radiotherapy cancer research center - Combined radio- and chemotherapy-Osteogenic sarcomas
- ** P02CA-05838-13 0021 Clinical radiotherapy cancer research center - Testicular tumors
- P02CA-05838-13 0023 Clinical radiotherapy cancer research center - Hodgkin's disease
- ** P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
- P02CA-05838-13 0026 Clinical radiotherapy cancer research center - Negative P1 meson beam radiotherapy
- P02CA-05838-13 0030 Clinical radiotherapy cancer research center - Radiotherapy physics
- ** R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- R01CA-06145-13 0007 Chemotherapy of intracranial neoplasms - Clinical studies
- P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
- ** P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
- P02CA-06294-13 0003 Radiotherapy research - Carcinoma of the breast (human)
- P02CA-06294-13 0004 Radiotherapy research - Lymphomas (human)
- P02CA-06294-13 0005 Radiotherapy research - Electron beam therapy (human)
- P02CA-06294-13 0096 Radiotherapy research - Genitourinary tract (human)
- ** P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
- P02CA-06294-13 0010 Radiotherapy research - Radiation physics (human, mammals nonhuman)
- ** P02CA-06294-13 0011 Radiotherapy research - Bronchogenic carcinoma (human)
- ** P02CA-06294-13 0012 Radiotherapy research - Carcinoma of the esophagus (human)
- ** P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)
- ** P02CA-06294-13 0014 Radiotherapy research - Treatment with the electron beam
- ** P02CA-06294-13 0015 Radiotherapy research - Pediatric tumors
- ** P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
- ** P02CA-06294-13 0017 Radiotherapy research - Computer program
- P02CA-06294-13 0018 Radiotherapy research - Dental program (human, monkeys)
- P02CA-06516-12 0006 Cancer center support grant-Comprehensive - Pediatric neoplasms
- M P02CA-06518-11 Radiation and radiobiology research center
- ** P02CA-06518-11 0004 Radiation and radiobiology research center - Patient localization verification
- ** P02CA-06518-11 0008 Radiation and radiobiology research center - Effect of hyperthermia on radiosensitivity (mice)
- ** P02CA-06518-11 0009 Radiation and radiobiology research center - Fractionated response to hyperthermia and x-radiation (mice)
- ** P02CA-06518-11 0020 Radiation and radiobiology research center - Delayed hypersensitivity response in cancer (human)
- P02CA-06518-11 0021 Radiation and radiobiology research center - Psychological factors affecting recovery from malignant tumors
- P02CA-06518-11 0028 Radiation and radiobiology research center - Psychological factors after remission following radiotherapy
- ** P02CA-06518-11 0032 Radiation and radiobiology research center - Invasive carcinoma of the cervix (human)
- P02CA-06518-11 0033 Radiation and radiobiology research center - Radiation hepatitis
- P02CA-06519-12 0036 Radiation therapy and biology research program - Experimental radiation therapy of solid tumors (rats)
- ** P02CA-06519-12 0043 Radiation therapy and biology research program - Preoperative radiation in carcinoma of the rectum (human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont)

- P02CA-06519-12 0045 Radiation therapy and biology research program - Laparotomy and splenectomy in management of Hodgkin's disease (human)
- ** P02CA-06519-12 0048 Radiation therapy and biology research program - Chemotherapy and low dose radiotherapy in Hodgkin's disease (human)
- ** P02CA-06519-12 0052 Radiation therapy and biology research program - Followup on radiotherapy of Hodgkin's disease
- ** P02CA-06519-12 0055 Radiation therapy and biology research program - Radiation therapy of carcinoma of prostate
- ** P02CA-06519-12 0057 Radiation therapy and biology research program - Evaluation of radiotherapy in carcinoma of the endometrium (human)
- ** P02CA-06519-12 0062 Radiation therapy and biology research program - Integration of radiotherapy treatment simulator and digital computer
- ** P02CA-06519-12 0079 Radiation therapy and biology research program - Treatment of advanced epidermoid carcinoma of head and neck region
- ** P02CA-06519-12 0082 Radiation therapy and biology research program - Mathematical models in radiation therapy
- ** P02CA-06519-12 0083 Radiation therapy and biology research program - Determination of radiobiologic parameters of individual human tumors
- P02CA-06519-12 0087 Radiation therapy and biology research program - Determination of high energy x-ray spectra by photouclear reactions
- ** P02CA-06519-12 0089 Radiation therapy and biology research program - Radiation therapy of malignant melanoma
- P02CA-06519-12 0090 Radiation therapy and biology research program - Treatment of advanced epidermoid carcinoma of head and neck
- P02CA-06519-12 0092 Radiation therapy and biology research program - Radio- and chemotherapy for carcinoma of pancreas
- R10CA-06594-12 Eastern cooperative oncology group
- P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- ** P02CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
- ** P02CA-06973-12 0026 Integrated clinical cancer research program - Radiation therapy (human)
- R10CA-07190-12 Eastern cooperative oncology group
- R10CA-07306-11 Childrens cancer study group A
- P01CA-07368-11 0013 Interrelationships of normal and cancer cells - Radiation biology of astrocytoma
- P01CA-07368-11 0015 Interrelationships of normal and cancer cells - Glioblastoma-cell sensitivity to Bragg peak protons
- R10CA-07431-11 Childrens cancer group A
- ** R10CA-07439-11 Childrens cancer study group A
- R10CA-07585-11 Western conference cancer chemotherapy group
- R10CA-07757-10 Acute leukemia group B (human)
- R10CA-08025-10 Acute leukemia group B
- R10CA-08223-08 Southwest cancer chemotherapy study group
- R01CA-08231-10 0002 Radiobiology research program - Low-dose capillary damage revealed by microangiography (mice)
- ** R01CA-08318-07 Radiation effect on protein and nucleic acid metabolism (rats)
- P02CA-08341-09 0039 Clinical pharmacology and cancer chemotherapy - Hodgkin's disease-chemotherapy and radiotherapy
- ** P02CA-08480-09 0017 Childhood cancer research center - Total therapy of acute lymphocytic leukemia (human)
- P02CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
- P02CA-08480-09 0025 Childhood cancer research center - Effect of alkylating agents and irradiation on DNA repair mechanisms
- ** R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
- ** R01CA-08518-07 0005 Lysosomal enzymes in x-irradiated tumor cells - Mechanism of action of Trypan Blue
- P01CA-08748-09 5536 Research program of Sloan-Kettering Institute - Calcium deposition in bone lesions following radiotherapy (human)
- P01CA-08748-09 5548 Research program of Sloan-Kettering Institute - Effect of californium-252 neutrons on hypoxic HeLa cells (human)
- P01CA-08748-09 6310 Research program of Sloan-Kettering Institute - Gonadal radiation and spermatogenesis in cancer patients
- ** P01CA-08748-09 6312 Research program of Sloan-Kettering Institute - Dose-response curves of skin lesions to electron beam radiation (human)
- P02CA-08832-08 0096 An integrated study of advanced malignant diseases - Survival of patients with glioblastoma multiforme
- ** P02CA-08832-08 0101 An integrated study of advanced malignant diseases - Radiation for adenocarcinoma of the rectum (human)
- P02CA-08832-08 0109 An integrated study of advanced malignant diseases - Radiation and chemical therapy of acute lymphoblastic leukemia (human)
- P02CA-08832-08 0112 An integrated study of advanced malignant diseases - Cytolytic effect of x-radiation and cell-mediated immune reactions on neoplasms
- P02CA-08832-08 0113 An integrated study of advanced malignant diseases - Early vascular changes in x-irradiated Walker carcinoma 256 in rats
- ** P02CA-08832-08 0114 An integrated study of advanced malignant diseases - Fractionated radiation and tumor vasculatures
- P02CA-08832-08 0116 An integrated study of advanced malignant diseases - Physical aspect of whole-body electron radiation (human)
- ** P02CA-08832-08 0118 An integrated study of advanced malignant diseases - Dosage of moving-strip 10MV x-ray abdominal radiation
- ** P02CA-08832-08 0120 An integrated study of advanced malignant diseases - Computer applications in radiation therapy
- ** P02CA-08832-08 0121 An integrated study of advanced malignant diseases - Treating Hodgkin's disease with extended field radiation
- P02CA-08832-08 0125 An integrated study of advanced malignant diseases - Vincristine-Radiation synergism (human)
- ** P02CA-08832-08 0126 An integrated study of advanced malignant diseases - Results of radiation of gonito-urinary tract in leukemia
- ** P02CA-08832-08 0127 An integrated study of advanced malignant diseases - Radiation effect on cell mediated cytotoxicity
- ** P02CA-08832-08 0128 An integrated study of advanced malignant diseases - Role of radiation therapy for neuroblastoma
- ** P02CA-08832-08 0129 An integrated study of advanced malignant diseases - Brain necrosis after radiation for acute lymphoblastic leukemia (human)
- ** P02CA-08832-08 0130 An integrated study of advanced malignant diseases - Radiation therapy for childhood acute lymphoblastic leukemia
- ** P02CA-08832-08 0131 An integrated study of advanced malignant diseases - Radiation of hypophysis in prostate cancer (human)
- ** P02CA-08832-08 0132 An integrated study of advanced malignant diseases - High-dose preoperative radiation of osteosarcoma (human)
- P02CA-08832-08 0133 An integrated study of advanced malignant diseases - Surgery, chemotherapy and pulmonary radiation in osteosarcoma (human)
- P02CA-08832-08 0134 An integrated study of advanced malignant diseases - Total body radiotherapy
- ** P02CA-08832-08 0135 An integrated study of advanced malignant diseases - LDH changes in patients receiving pulmonary radiation
- ** P02CA-08832-08 0136 An integrated study of advanced malignant diseases - Palliative radiotherapy for cancer of pancreas
- P02CA-08832-08 0140 An integrated study of advanced malignant diseases - Immune capacity of patients in general cancer therapy
- R10CA-08970-08 Pathology center for lymphoma clinical trial studies (human)
- R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
- R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
- R01CA-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
- ** P01CA-10372-07 Radiobiology-oncology research program
- R10CA-10378-08 Gynecologic oncology group statistical service
- R10CA-10379-06 Southwest cancer chemotherapy study group
- ** R10CA-10382-08 Childrens cancer study group A
- M P02CA-10438-08 Clinical radiation therapy research center
- ** P02CA-10438-08 0029 Clinical radiation therapy research center - Radiologic physics
- R10CA-10456-07 Acute leukemia group B operations office
- ** R10CA-10572-06 Eastern cooperative oncology group
- R10CA-10728-07 Polycythemia vera study group central office
- P02CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)
- P02CA-10895-06 0004 Adult leukemia research center - Hodgkins disease, lymphoma program (human)
- P02CA-10895-06 0006 Adult leukemia research center - Platelet and bleeding studies (human)
- P02CA-10895-06 0007 Adult leukemia research center - Immunological evaluation (human)
- P02CA-10895-06 0011 Adult leukemia research center - Genetics (dogs, human)
- P02CA-10895-06 0016 Adult leukemia research center - Extracorporeal irradiation of blood (human)
- P01CA-10896-03 Exploratory studies in cancer research (human, laboratory animals)
- R10CA-10948-06 Eastern cooperative oncology group
- ** R10CA-10953-06 The Radiological Physics Center
- R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- R10CA-11028-07 Acute leukemia group B
- ** P02CA-11051-06 0019 Clinical radiation research center - Carbon breathing during radiation therapy (human)
- ** P02CA-11051-06 0020 Clinical radiation research center - Hodgkin's disease and lymphomas (human)
- ** P02CA-11051-06 0022 Clinical radiation research center - Radiation response and uterine cancer (human)
- ** P02CA-11051-06 0023 Clinical radiation research center - Computer analysis of radiation experience
- P02CA-11051-06 0027 Clinical radiation research center - Iridium implantation boost techniques (human)
- ** P02CA-11051-06 0029 Clinical radiation research center - Evaluation of pituitary adenoma irradiation (human)
- P02CA-11051-06 0032 Clinical radiation research center - Mouse model of Hodgkins disease
- ** P02CA-11051-06 0034 Clinical radiation research center - Hypospermia and aspermia after radiation therapy (human)
- ** P02CA-11051-06 0035 Clinical radiation research center - Histiocytosis X (human)
- ** P02CA-11051-06 0037 Clinical radiation research center - Radiation in uterine sarcoma management (human)
- ** P02CA-11051-06 0038 Clinical radiation research center - Radiation physics-Field separation (human)
- P02CA-11051-06 0039 Clinical radiation research center - Radiation physics-Computerized treatment planning
- ** P02CA-11051-06 0040 Clinical radiation research center - Radiation physics-Total body dosimetry
- ** P02CA-11051-06 0042 Clinical radiation research center - Radiation physics-Immobilization devices (human)
- ** P02CA-11051-06 0043 Clinical radiation research center - Radiation physics-Esophagus treatment planning and dosimetry (human)
- ** P02CA-11051-06 0044 Clinical radiation research center - Radiation pathology-Sarcoma response to x-rays (hamsters)
- ** P02CA-11051-06 0045 Clinical radiation research center - Radiation pathology-Carcinoma response to x-rays (hamsters)
- ** P02CA-11051-06 0046 Clinical radiation research center - Radiation pathology-Sarcoma immunology (hamsters)
- ** P02CA-11051-06 0048 Clinical radiation research center - Radiation pathology-Tumor microvasculature response (hamsters)
- ** P02CA-11051-06 0049 Clinical radiation research center - Radiation pathology-Tumor parenchymal and endothelial cells (hamsters)
- ** P02CA-11051-06 0052 Clinical radiation research center - Radiation pathology-Pulmonary irradiation and metastasis (mice)
- ** P02CA-11051-06 0057 Clinical radiation research center - Clinical investigative radiation pathology
- P02CA-11051-06 0059 Clinical radiation research center - Effect of whole lung irradiation on occult metastases (mice)
- ** R10CA-11083-07 Eastern cooperative oncology group (human)
- R10CA-11109-06 Eastern cooperative oncology group
- R01CA-11138-06 Radiobiology of normal tissues (mice)
- R10CA-11233-06 Southwestern cooperative chemotherapy study group
- ** R10CA-11263-06 Southeastern group statistical services
- P02CA-11265-05 0015 General clinical cancer research center - Protocol for malignant glioma of brain
- ** R01CA-11430-09 0032 Biomathematics and computing in a cancer institute - Radiation dosimetry for implants and external beam therapy
- ** R01CA-11430-09 0033 Biomathematics and computing in a cancer institute - Computer dose distributions from external x-and gamma-ray sources
- ** R01CA-11430-09 0034 Biomathematics and computing in a cancer institute - First scatter to off-axis points and the Clarkson method
- ** R01CA-11430-09 0036 Biomathematics and computing in a cancer institute - Dose rate factors influencing radiation strategy
- ** R01CA-11430-09 0043 Biomathematics and computing in a cancer institute - Radiation therapy patient information system
- R01CA-11430-09 0044 Biomathematics and computing in a cancer institute - Elemental concentrations in blood serum from x-ray data
- R10CA-11488-05 EORTC coordinating agency and data center
- P01CA-11491-05 0001 Irradiation and tissue-localization response - Relationship of interferon induction to growth and metastases (rats, mice)
- P01CA-11491-05 0003 Irradiation and tissue-localization response - Pharmacological approach to anticalcification study (human, mammals nonhuman)
- M P02CA-11602-05 Research and clinical radiation center
- R10CA-11722-06 National Wilms tumor study (children)
- ** R01CA-11857-03 Computer automated radiation therapy system
- ** P01CA-11998-02 Regional plan for meson radiotherapy of cancer
- R10CA-12011-03 Acute leukemia group B
- ** R10CA-12027-04 Headquarters-Surgical adjuvant breast group
- R10CA-12028-04 National surgical adjuvant breast project (cont'd)

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**Oriented significantly to above subject.

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R10CA-12029-04 National surgical adjuvant breast project
 ** R10CA-12030-04 National surgical adjuvant breast project
 ** R10CA-12031-04 National surgical adjuvant breast project
 R10CA-12032-03 Primary breast cancer therapy group
 ** R10CA-12033-04 National surgical adjuvant breast project
 ** R10CA-12036-04 National surgical adjuvant breast project
 ** R10CA-12039-04 National surgical adjuvant breast project
 R10CA-12040-04 National surgical adjuvant breast project
 ** R10CA-12041-04 National surgical adjuvant breast project
 R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
 R01CA-12102-04 Surgical management of the regional lymph node in cancer (mice, hamsters)
 ** P02CA-12178-04 0001 Radiotherapy-oncology center - Split course therapy of advanced head and neck tumors
 ** P02CA-12178-04 0002 Radiotherapy-oncology center - Combined surgery, chemotherapy and radiotherapy in ovarian carcinoma
 P02CA-12178-04 0003 Radiotherapy-oncology center - Carcinoma of endometrium
 P02CA-12178-04 0004 Radiotherapy-oncology center - Carcinoma of the cervix
 P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
 ** P02CA-12178-04 0006 Radiotherapy-oncology center - Bronchogenic carcinoma
 ** P02CA-12178-04 0008 Radiotherapy-oncology center - Whole lung irradiation
 P02CA-12178-04 0009 Radiotherapy-oncology center - Lysosomal enzyme levels in tumor homogenates (human)
 P02CA-12178-04 0010 Radiotherapy-oncology center - Cooperative study of isoenzymes in therapeutic radiology
 ** P02CA-12178-04 0011 Radiotherapy-oncology center - Whole body irradiation
 ** P02CA-12178-04 0012 Radiotherapy-oncology center - Thyroid function after neck irradiation
 ** P02CA-12178-04 0014 Radiotherapy-oncology center - Physics division
 ** R01CA-12180-03 Cyclotron and retinoblastoma (monkeys, swine)
 P02CA-12197-03 0017 Multidisciplinary oncology research center - Response in chronic lymphocytic leukemia to phytohemagglutinin (human)
 R10CA-12213-03 Southwest cancer chemotherapy study group
 ** R10CA-12223-03 Southeastern cancer study group
 ** R01CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
 P02CA-12247-03 0004 Pediatric oncology center - Bone marrow histopathology (human)
 ** P02CA-12247-03 0007 Pediatric oncology center - Acute leukemia (human)
 P02CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)
 ** P02CA-12247-03 0009 Pediatric oncology center - Neuroblastoma (human)
 P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
 P02CA-12247-03 0025 Pediatric oncology center - Acute non-lymphocytic leukemia (human)
 P02CA-12247-03 0026 Pediatric oncology center - Chemotherapy of malignant brain tumors (human, mice)
 P02CA-12247-03 0027 Pediatric oncology center - Cooperative Hodgkin's disease study
 ** P02CA-12247-03 0037 Pediatric oncology center - Radiation responses of spontaneous oncology (dogs)
 ** R10CA-12248-03 Radiation therapy oncology group
 ** R10CA-12250-03 Radiation therapy oncology group
 ** R10CA-12252-03 Radiation therapy oncology group
 ** R10CA-12255-02 Radiation therapy oncology group
 ** R10CA-12258-03 Radiation therapy oncology group
 ** R10CA-12260-03 Radiation therapy oncology group
 ** R10CA-12261-03 Radiation therapy oncology group
 ** R10CA-12262-03 Radiation therapy oncology group
 ** R10CA-12272-04 Central oncology group
 ** R10CA-12273-04 Central oncology group
 ** R10CA-12274-04 Central oncology group
 ** R10CA-12275-04 Central oncology group
 ** R10CA-12276-03 Central Oncology Group
 ** R10CA-12277-04 Central oncology group
 ** R10CA-12279-04 Central oncology group
 ** R10CA-12280-04 Central Oncology Group
 ** R10CA-12282-04 Central Oncology Group
 ** R10CA-12283-04 Central oncology group
 ** R10CA-12284-04 Central oncology group
 ** R10CA-12285-04 The central oncology group
 ** R10CA-12286-04 Central oncology group
 ** R10CA-12287-04 Central oncology group
 ** R10CA-12288-04 Central oncology group
 ** R10CA-12289-04 Central oncology group
 ** R10CA-12294-04 Central oncology group
 ** R10CA-12295-04 Central oncology group
 R01CA-12318-03 In vitro lymphocyte responses in Hodgkins disease (human)
 R01CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
 M P01CA-12441-04 Fast neutron beam radiotherapy
 ** P01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
 ** P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
 ** P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
 ** P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
 R10CA-12476-04 Gynecologic oncology group
 R10CA-12477-04 Gynecologic oncology group
 R10CA-12478-04 Gynecologic oncology group
 ** R10CA-12481-04 Gynecologic oncology group
 R10CA-12482-04 Gynecologic oncology group
 ** R10CA-12483-04 Gynecologic oncology group
 R10CA-12484-04 Gynecologic oncology group (human)
 R10CA-12485-04 Gynecologic oncology group (human)
 ** R10CA-12534-04 Gynecologic oncology group
 ** R10CA-12535-04 Gynecologic oncology group
 ** P01CA-12542-03 0001 Fast neutron therapy with TAMVEC cyclotron - Physics
 P01CA-12542-03 0002 Fast neutron therapy with TAMVEC cyclotron - Cellular radiobiology (human, hamsters)
 ** P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
 ** P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
 M P01CA-12582-04 Multidisciplinary cancer diagnosis and therapy
 ** R10CA-12637-03 Childrens cancer study group A
 ** R10CA-12639-03 Southeastern cancer study group
 ** R10CA-12640-03 Southeastern cancer study group
 P01CA-12662-03 0009 Cancer research center - Physical aspects of proton therapy (human)
 ** P01CA-12662-03 0011 Cancer research center - Radiation response and the intestinal bacterial flora
 P01CA-12662-03 0012 Cancer research center - Murine ovarian carcinoma
 ** R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
 ** R01CA-12758-02 Modification of tumor growth in hepatomas by radiation (rats)
 ** R01CA-12825-03 Enhancing antineoplastic effect of germ-cell tumors (mice, human)
 R10CA-12880-03 Eastern cooperative oncology group
 R10CA-12886-03 Acute leukemia group B
 ** R01CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
 ** P02CA-13053-03 0004 Clinical cancer radiation therapy research center - Combined irradiation and chemotherapy-Malignant brain gliomas (human)
 ** P02CA-13053-03 0006 Clinical cancer radiation therapy research center - Radiation therapy in prostate carcinoma (human)
 ** P02CA-13053-03 0007 Clinical cancer radiation therapy research center - Wilms tumor protocol (human)
 ** P02CA-13053-03 0008 Clinical cancer radiation therapy research center - Radiation therapy in early cervix carcinoma (human)
 P02CA-13053-03 0026 Clinical cancer radiation therapy research center - Data accession retrieval and analysis system
 P02CA-13053-03 0033 Clinical cancer radiation therapy research center - AKR-lymphoma model of childhood acute lymphoblastic leukemia
 ** P02CA-13053-03 0048 Clinical cancer radiation therapy research center - Computer calculation of dose distributions in radiation therapy
 ** P02CA-13053-03 0052 Clinical cancer radiation therapy research center - Chemotherapy in management of primary Ewing's sarcoma (human)
 P02CA-13053-03 0053 Clinical cancer radiation therapy research center - Adjuvant chemotherapy in primary rhabdomyosarcoma (human)
 ** P02CA-13053-03 0056 Clinical cancer radiation therapy research center - Chemotherapy and radiation therapy in primary Hodgkin's disease (human)
 P02CA-13053-03 0066 Clinical cancer radiation therapy research center - High LET radiation beams for therapy
 P02CA-13053-03 0067 Clinical cancer radiation therapy research center - Immunological reactivity of patients with gynecological malignancy
 P02CA-13053-03 0068 Clinical cancer radiation therapy research center - Randomized study-Preoperative radiation for head and neck tumors (human)
 ** P02CA-13053-03 0069 Clinical cancer radiation therapy research center - Participation in Southwest cancer chemotherapy group
 ** P02CA-13053-03 0070 Clinical cancer radiation therapy research center - Participation in national surgical adjuvant breast group study
 ** P02CA-13053-03 0071 Clinical cancer radiation therapy research center - Participation in Southeastern cancer study group
 ** P02CA-13053-03 0072 Clinical cancer radiation therapy research center - Participation in radiation therapy oncology group
 ** P02CA-13053-03 0075 Clinical cancer radiation therapy research center - Combined pulmonary irradiation and fluorouracil therapy in lung tumors (human)
 ** P02CA-13053-03 0077 Clinical cancer radiation therapy research center - Chemotherapy following surgery and radiotherapy in brain tumors (children)
 ** P02CA-13053-03 0079 Clinical cancer radiation therapy research center - Osteogenic sarcoma-Methotrexate chemotherapy and radiotherapy (children)
 P02CA-13053-03 0082 Clinical cancer radiation therapy research center - Hodgkin's disease-Chemotherapy with MOPP plus bleomycin (children)
 P02CA-13053-03 0084 Clinical cancer radiation therapy research center - Irradiation and chemotherapy-Immunosuppression of 6C3HED lymphosarcoma
 ** P02CA-13053-03 0093 Clinical cancer radiation therapy research center - Development of techniques and apparatus to improve radiation therapy
 P02CA-13053-03 0094 Clinical cancer radiation therapy research center - Surface dose, buildup curve and patient cutaneous-subcutaneous reaction
 R10CA-13057-03 Acute leukemia cooperative group B
 ** R01CA-13127-03 Effects of intracavitary irradiation with CF-252 (swine)
 P02CA-13148-03 0013 Pilot cancer center - Treatment of childhood leukemia and lymphosarcoma
 P02CA-13148-03 0043 Pilot cancer center - Universal radiation treatment simulator
 P02CA-13148-03 0045 Pilot cancer center - Combination therapy and chemotherapy in Hodgkin's disease
 ** P02CA-13148-03 0055 Pilot cancer center - Radiation biology
 ** P02CA-13148-03 0056 Pilot cancer center - Ultrasound in computerized radiation therapy treatment planning
 R01CA-13212-03 Initiation and development of radiotherapy studies
 R01CA-13216-03 Detection and modification of tumor immunity (human, mice)
 ** R10CA-13237-03 Southeastern cancer study group
 ** R10CA-13238-03 Southwest cancer chemotherapy study group
 R10CA-13239-02 Acute leukemia cooperative group B
 R10CA-13249-03 Southeastern cancer study group
 ** R01CA-13252-03 Irradiation of tumor membranes and chromosomes (human, primates, rodents, plants)
 ** R01CA-13299-02 Cure of advanced mouse lymphoma by total body x-ray
 ** R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
 ** R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
 ** R01CA-13312-02 Field ion mass spectrometry applied to cancer therapy (rats)
 ** R10CA-13314-02 Eastern Cooperative Oncology Group
 M P01CA-13330-03 Cancer research program
 ** P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
 ** P01CA-13330-03 0011 Cancer research program - Studies in radiotherapy (human)
 ** P01CA-13330-03 0012 Cancer research program - Combined irradiation and lincanthone therapy (human)
 P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
 ** R01CA-13353-02 Vascularity and reoxygenation in x-irradiated tumors (rats)
 ** R01CA-13371-02 Preclinical study of radiobiology of negative pions (mice)
 ** R01CA-13435-02 Effects of therapeutic radiation on lymphocyte response (human)
 ** R10CA-13446-01 Gynecologic Oncology Group
 R01CA-13456-02 Human immune response to malignancy during immunotherapy
 ** R10CA-13457-02 Radiation therapy oncology group
 ** R01CA-13469-02 Neutron radiation cancer therapy source
 P01CA-13472-02 Investigation of childhood leukemia
 P01CA-13472-02 0001 Investigation of childhood leukemia - Treatment of leukemic patients
 ** R10CA-13539-02 Children's cancer study group A
 P01CA-13576-02 Exploratory studies in cancer research
 R10CA-13607-03 Hodgkin's disease cooperative study
 ** R10CA-13611-02 Eastern cooperative oncology group
 R10CA-13612-01 Southwest Cancer Chemotherapy Study Group
 ** R10CA-13613-02 Eastern cooperative oncology group
 ** R10CA-13630-03 Gynecologic oncology group
 ** R10CA-13631-02 Gynecologic oncology group
 ** R10CA-13632-03 Gynecologic oncology group
 ** R10CA-13633-03 Gynecologic oncology group
 ** P01CA-13637-02 Exploratory study in cancer research
 ** R10CA-13641-03 Gynecologic oncology group
 ** R10CA-13650-02 Eastern Cooperative Oncology Group
 P02CA-13696-02 0001 Clinical cancer research center - Leukemia, lymphoma and myeloma (human)
 P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
 P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
 ** P02CA-13696-02 0015 Clinical cancer research center - Colorectal cancer-Adjuvant radiotherapy (human)
 P02CA-13696-02 0023 Clinical cancer research center - Chemotherapy of nervous system tumors-Clinical studies (human)
 P02CA-13696-02 0025 Clinical cancer research center - Nervous neoplasms-Isotope concentration in tumor response (dogs)
 P02CA-13696-02 0029 Clinical cancer research center - Neuroradiology of CNS tumors-Measuring blood flow and cerebral edema (human)
 P02CA-13696-02 0034 Clinical cancer research center - Retinoblastoma (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-13696-02 0037 Clinical cancer research center - Malignant melanoma of the UVEA (human)
- P02CA-13696-02 0040 Clinical cancer research center - Basal cell carcinoma (human)
- ** P02CA-13696-02 0045 Clinical cancer research center - Arterial perfusion with vasoconstrictors in radiotherapy (human, dogs)
- ** P02CA-13696-02 0046 Clinical cancer research center - Fast neutrons in cancer radiotherapy (human)
- ** P02CA-13696-02 0048 Clinical cancer research center - Psychiatric liaison with radiotherapy department (human)
- P01CA-13704-02 Exploratory studies for cancer research (human)
- ** R01CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
- ** R01CA-13806-02 Immunocompetence in radiation therapy patients
- ** R01CA-13822-02 Effects of cancer and therapy on infection and immunity (hamsters, mice, rabbits)
- ** R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
- ** R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
- R26CA-13859-03 Administration of the National Bladder Cancer Project
- ** R10CA-13887-02 Gynecologic oncology group
- R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- R10CA-14028-01 Southwest Cancer Chemotherapy Study Group
- M P01CA-14043-01 Radiation therapy clinical and research center
- ** P01CA-14043-01 0003 Radiation therapy clinical and research center - Experimental check of Paterson-Parke rules
- ** P01CA-14043-01 0005 Radiation therapy clinical and research center - Effect of BCG and radiation on Hodgkin's-like sarcoma (mice)
- ** P01CA-14043-01 0008 Radiation therapy clinical and research center - Anergy secondary to mediastinal radiation
- P01CA-14043-01 0009 Radiation therapy clinical and research center - Effect of radiation on carcinoembryonic antigen titer (humans)
- P01CA-14043-01 0010 Radiation therapy clinical and research center - Chlorpromazine and analogs in malignant melanoma
- P01CA-14043-01 0013 Radiation therapy clinical and research center - Thanatology research in radiation therapy
- ** P01CA-14052-02 Pion beam diagnostics control, dosimetry, and operation (human, mammals)
- ** R10CA-14058-01 Radiation Therapy Oncology Group
- ** R10CA-14060-02 Radiation therapy oncology group
- ** P01CA-14089-01 0049 Pilot multidisciplinary cancer research program - Program support in radiation oncology
- ** P01CA-14089-01 0052 Pilot multidisciplinary cancer research program - Basic research projects-radiation oncology
- ** P01CA-14089-01 0053 Pilot multidisciplinary cancer research program - Cooperative regional radiotherapy network research
- ** P01CA-14089-01 0054 Pilot multidisciplinary cancer research program - Educational research project
- ** P01CA-14089-01 0055 Pilot multidisciplinary cancer research program - Abnormal human blood factors following radiotherapy
- P01CA-14089-01 0057 Pilot multidisciplinary cancer research program - Lymphocyte sensitization to irradiated tissues (human, laboratory animals)
- P01CA-14089-01 0061 Pilot multidisciplinary cancer research program - In-vivo radiation tolerance of human liver
- ** R01CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
- R26CA-14140-02 Administration of the National Colorectal Cancer Project
- ** R01CA-14165-02 Optimization of radiation therapy (mice)
- P01CA-14236-01 Comprehensive cancer center support grant
- M R01CA-14374-02 Effect of radiotherapy on host immune reactions
- ** R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
- ** R01CA-14374-02 0002 Effect of radiotherapy on host immune reactions - Release of tumor specific antigen following local irradiation (rats, mice)
- ** R01CA-14434-02 Molecular basis for radiation sensitization
- ** R10CA-14442-02 Western Cancer Study Group
- R01CA-14460-01 Immunotherapy combined with surgery and chemotherapy
- P02CA-14520-02 0012 Wisconsin Clinical Cancer Center - Clinical investigation of therapy for solid tumors
- ** P02CA-14520-02 0014 Wisconsin Clinical Cancer Center - Quantitative measurements of lung tumors in vivo
- P02CA-14520-02 0022 Wisconsin Clinical Cancer Center - Nursing role in care and rehabilitation
- ** P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
- ** R01CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
- ** R18CA-14557-01 Children's cancer study group A
- ** R10CA-14571-02 Surgical adjuvant renal cell carcinoma (human)
- P01CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- P01CA-14599-01 0033 University of Chicago Cancer Research Center - Comprehensive therapy of metastatic colon and rectal cancer (human)
- P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
- P01CA-14599-01 0040 University of Chicago Cancer Research Center - Management of ovarian carcinoma (human)
- P01CA-14599-01 0041 University of Chicago Cancer Research Center - Fast neutron radiation therapy of cancer (human, dogs, mini-swine, hamster)
- R01CA-14658-02 Murine model for neuroblastoma chemotherapy in man
- R01CA-14668-01 Radiation protectors as adjunct to radiotherapy (rabbits)
- ** R10CA-14678-02 Central Oncology Group
- P01CA-14718-01 Howard University cancer core grant
- M R01CA-14722-02 Pion cancer therapy
- ** R01CA-14722-02 0001 Pion cancer therapy - Quality of meson fields
- R01CA-14722-02 0002 Pion cancer therapy - Multiwire proportional counters for treatment volume visualization
- R01CA-14770-01 Human tumor cell kinetics-Effect of treatment
- R01CA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
- R26CA-14924-02 Immunity to colonic carcinomas in rats and man
- ** R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer
- R01CA-14955-02 Follow-up study of therastrast patients
- ** R01CA-14960-01 Computer control of radiation therapy cancer treatment
- ** R10CA-14963-01 Central oncology group
- ** P01CA-15013-01 Cancer center support grant-specialized
- ** R01CA-15054-01 Cellular immunity and thymic radiation in human cancers
- ** P02CA-15083-01 0002 Cancer Center Support Grant-Mayo Foundation - Therapeutic radiology
- P02CA-15083-01 0006 Cancer Center Support Grant-Mayo Foundation - Basic science in cancer
- P02CA-15083-01 0008 Cancer Center Support Grant-Mayo Foundation - Management of breast cancer (human)
- P02CA-15083-01 0013 Cancer Center Support Grant-Mayo Foundation - Management of lymphoma (human)
- R01CA-15115-01 Local immune response against cancer (human)
- R01CA-15129-01 A serum immunosuppressive factor in cancer (human, mice)
- ** R01CA-15139-01 Dose-rate dependence of tumor cure in radiotherapy (mice)
- P02CA-15145-01 0014 Cancer center support grant - Ovarian cancer-gynecology oncology group
- ** P02CA-15145-01 0022 Cancer center support grant - Blood component support for leukemic and tumor patients
- ** P02CA-15145-01 0035 Cancer center support grant - Radiation therapy-radiation oncology component
- P02CA-15145-01 0043 Cancer center support grant - Adjuvant cancer chemotherapy trials in treatment of colon and lung cancer (human)
- ** P01CA-15184-01 Pretherapeutic use of accelerated heavy ions (mammals)
- ** P01CA-15192-01 Cancer Center Support Grant Specialized
- ** R01CA-15201-01 Experimental radiotherapy-Basis and modification (mice)
- R01CA-15203-01 Brain tumor therapy-Radiation, DNA damage and repair (rats)
- ** R10CA-15241-02 Central oncology group
- R26CA-15263-01 Immune status of gastrointestinal tumor - Colon (human)
- R01CA-15317-01 Double intercalators as anticancer agents (mice)
- R01CA-15341-01 Photodynamic therapy of malignant tumors
- R26CA-15407-02 Chemotherapy of prostatic cancer
- R26CA-15421-02 Chemotherapy for advanced prostatic cancer (human)
- ** R26CA-15455-01 Evaluation of extended radiotherapy for prostate neoplasm (human)
- ** R10CA-15457-01 Western Cancer Study Group
- ** R01CA-15459-02 Psychological effects of cranial irradiation (human)
- ** R10CA-15467-01 Southwest Oncology Group
- R10CA-15474-01 Colo-rectal pathology reference center
- R10CA-15488-01 Eastern Cooperative Oncology Group
- ** R26CA-15491-01 National Bladder Cancer Collaborative Group A
- R26CA-15492-01 Evaluation and management of bladder carcinoma
- ** R01CA-15511-01 Radiotherapy planning based on cell kinetics (mice)
- ** R10CA-15525-01 Southwest Cancer Chemotherapy Study Group
- R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
- R10CA-15578-01 Southeastern Cancer Study Group
- R10CA-15584-01 Southeastern Cancer Study Group
- R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
- ** R01CA-15611-01 Monocyte and T-lymphocyte receptors in malignancy (children)
- ** P01CA-15655-01 0039 Cancer center support grant - Radiation therapy (human)
- ** P01CA-15667-01 Exploratory studies in cancer research (human)
- R01CA-15670-01 Effects of x-irradiation on the phagocytic response (human, nonhuman)
- ** P02CA-15688-01 0010 Program in medical oncology - Combination radio-chemotherapy for Hodgkin's disease
- ** P02CA-15688-01 0011 Program in medical oncology - Combination radio-chemotherapy for non-Hodgkin's lymphoma
- ** P02CA-15688-01 0012 Program in medical oncology - Combination radio-chemotherapy of testis neoplasms
- P02CA-15688-01 0013 Program in medical oncology - Remission induction in adult non-lymphocytic leukemia
- ** P02CA-15688-01 0014 Program in medical oncology - Combination radio and chemotherapy of oat cell lung carcinoma
- ** P02CA-15688-01 0016 Program in medical oncology - Intensive combination therapy, ovarian carcinoma
- ** P01CA-15704-01 0036 Cancer center support grant - Therapeutic radiology
- ** R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
- R01CA-15811-01 Host resistant to cancer (human, mice)
- ** P01CA-15820-01 0004 Comparative Oncology Research Program - Therapeutic studies-Radiation dose response assays
- ** P01CA-15820-01 0006 Comparative Oncology Research Program - Therapeutic studies-Radiation and adriamycin in osteogenic sarcoma (dogs)
- P01CA-15848-01 New approaches to tumor immunotherapy
- R01CA-15857-01 Clinical chemotherapy and pharmacology
- ** R01CA-15901-01 Mutants and altered radiosensitivity of cells and tumors (mice)
- R26CA-15933-01 Primary urinary bladder neoplasms (human)
- ** R26CA-15934-01 National Bladder Cancer Collaborative Group A
- P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
- R26CA-15937-01 National Bladder Cancer Collaborative Group A
- ** R10CA-15938-01 Radiation Therapy Oncology Group
- ** R26CA-15944-01 Evaluation of bladder cancer patients management
- ** R10CA-15947-01 Eastern Cooperative Oncology Group
- ** R10CA-15975-01 Gynecologic oncology group
- ** R10CA-15977-01 Gynecologic Oncology Group
- R18CA-15978-01 Clinical and research radiation therapy in cancer care (US, Puerto Rico survey)
- R10CA-16020-02 Mycosis fungoides cooperative study
- ** R01CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
- M P01CA-16127-01 Cancer Research and Treatment Center Program
- ** P01CA-16127-01 0002 Cancer Research and Treatment Center Program - Human radiobiology studies with pions
- P01CA-16127-01 0003 Cancer Research and Treatment Center Program - Cancer radiotherapy evaluation
- ** P01CA-16127-01 0020 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bladder carcinoma (human)
- P01CA-16127-01 0021 Cancer Research and Treatment Center Program - Pi meson radiotherapy of brain glioma (human)
- ** P01CA-16127-01 0022 Cancer Research and Treatment Center Program - Pi meson radiotherapy of uterine cervix carcinoma (human)
- ** P01CA-16127-01 0023 Cancer Research and Treatment Center Program - Pi meson radiotherapy of esophagus carcinoma (human)
- ** P01CA-16127-01 0024 Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
- P01CA-16127-01 0025 Cancer Research and Treatment Center Program - Pi meson radiotherapy of hypopharynx carcinoma (human)
- ** P01CA-16127-01 0026 Cancer Research and Treatment Center Program - Pi meson radiotherapy of oral cavity carcinoma (human)
- ** P01CA-16127-01 0027 Cancer Research and Treatment Center Program - Pi meson radiotherapy or oropharynx epidermoid carcinoma
- ** P01CA-16127-01 0028 Cancer Research and Treatment Center Program - Pi meson radiotherapy of osteogenic sarcoma of the extremity
- ** P01CA-16127-01 0029 Cancer Research and Treatment Center Program - Pi meson radiotherapy of adenocarcinoma of the pancreas

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01CA-16127-01 0030 Cancer Research and Treatment Center Program - Pi meson radiotherapy of prostate carcinoma
- ** P01CA-16127-01 0031 Cancer Research and Treatment Center Program - Pi meson radiotherapy of rectum adenocarcinoma
- ** P01CA-16127-01 0032 Cancer Research and Treatment Center Program - Pi meson radiotherapy of stomach adenocarcinoma
- ** P01CA-16127-01 0033 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bronchogenic carcinoma
- ** R01CA-16178-01 In vitro thermal enhancement of radiosensitivity
P01CA-16246-01 0001 integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- ** R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
- R01CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- R01CA-16357-01 Prevention of death from radio-or-chemotherapy (mice)
- P01CA-16359-01 0021 Cancer center support grant - DNA repair in bacteria and mammalian cells
- P01CA-16359-01 0034 Cancer center support grant - Development of immune responses
- P01CA-16359-01 0059 Cancer center support grant - Medical oncology
- ** R18CA-16400-01 0002 Cancer control development grant - Treatment (human)
- ** R18CA-16402-01 0003 Cancer control development grant - Radiation dosimetry center (regional service)
- R18CA-16405-01 0004 Development of regional cancer control program - Regional affiliation for cooperative studies of hematological malignancy (human)
- R26CA-16886-01 National bladder cancer collaborative group A (human)
- ** R13CA-16886-01 5th International conference-Computers in radiotherapy
- ** R01CA-17117-01 Protective environment in intensive cancer therapy (human)
- ** R10CA-17125-01 Radiotherapy for cancer of the prostate
- ** N01CB-12087-05 Conduct radiation therapy treatment
- N01CB-23876-02 Primary breast cancer therapy group (NSABP)
- N01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
- N01CB-43891-00 Animal models for circulating tumor associated antigens (Holtzman rats)
- ** N01CM-12181-03 Brain tumor chemotherapy (human)
- ** N01CM-33738-02 Therapy of bronchogenic carcinoma (human)
- ** N01CM-43714-00 Therapy of patients with testicular carcinoma
- N01CM-43715-00 Therapy of patients with testicular carcinoma
- N01CM-43716-00 Therapy of patients with testicular carcinoma
- N01CM-43731-00 Interaction of anticancer agents at the cellular level
- ** N01CM-43748-00 Programs involving combination drug and combined modalities treatment of cancer
- N01CM-43781-00 Therapy of patients with gastric carcinoma
- N01CM-43782-00 Therapy of patients with gastric carcinoma
- N01CM-43783-00 Therapy of patients with gastric carcinoma
- ** N01CM-43791-00 Combined use of radiotherapy and clinically established antitumor drugs
- N01CM-43794-00 Therapy of patients with pancreatic carcinoma
- N01CM-43795-00 Therapy of patients with pancreatic carcinoma
- N01CM-43796-00 Therapy of patients with pancreatic carcinoma
- N01CM-43797-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43798-00 Therapy of patients with pancreatic carcinoma (human)
- N01CM-43799-00 Therapy of patients with pancreatic carcinoma
- N01CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
- ** N01CM-45057-00 Cancer control radiologic physics centers
- ** N01CM-45148-00 Cancer control radiologic physics center
- ** N01CM-45152-00 Cancer control physics center
- ** N01CM-45158-00 Cancer control radiologic physics centers
- ** N01CM-45162-00 Coordinating committee for cancer control radiologic physics center
- ** P01EY-00396-07 0021 Basic ophthalmic research program - The evaluation and treatment of ocular cancer (human)
- R01GM-06920-15 Molecular structure of biologically active molecules
- P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)
- P01MH-11668-09 0096 Psychosocial factors in health and disease - Psychology of the cancer patient
- R01NS-10551-08 Cancer of the larynx by serial sections (human)
- ** P07RR-00015-12 0089 Medical school computer facility - Radiation therapy calculation (human)
- ** M01RR-00030-13 0094 General clinical research center - Evaluation of regional cancer chemotherapy (human)
- ** M01RR-00030-13 0095 General clinical research center - Irradiation and 1,3-bis (2-chloroethyl)-1-nitrosourea for brain glioma (human)
- M01RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
- ** M01RR-00031-14 0058 General clinical research center - Clinical and pathological staging of Hodgkin's disease (human)
- M01RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
- ** M01RR-00036-14 0203 General clinical research center - Use of chemotherapeutic drug as an adjunct to radiation therapy (human)
- M01RR-00037-14 0129 General clinical research center - Allogeneic marrow transplantation (human)
- ** M01RR-00042-14 0024 General clinical research center - Methioquin iodine 131 therapy in malignant melanoma (human)
- ** M01RR-00046-14 0044 General clinical research center - Treating multiple myeloma (human)
- ** M01RR-00047-14 0074 General clinical research center - Iodine depletion for tumor uptake of radiiodine in thyroid carcinoma (human)
- M01RR-00047-14 0103 General clinical research center - Childrens cancer study group A
- ** M01RR-00050-13 0065 General clinical research center - Fast neutron therapy for tumors (human)
- ** M01RR-00063-12 0080 General clinical research center - Chemotherapy and irradiation of Hodgkin's disease (human)
- ** M01RR-00070-12 0026 General clinical research center - Manipulation of GI environment in small bowel lymphoma (human)
- M01RR-00070-12 0058 General clinical research center - CCNU in malignant brain tumors (human)
- M01RR-00125-11 0146 General clinical research center - adult-child - Acromegaly
- M01RR-00125-11 0199 General clinical research center - adult-child - Combination chemotherapy and CNS prophylaxis for acute lymphoblastic leukemia
- M01RR-00125-11 0229 General clinical research center - adult-child - Evaluation of chemotherapy for medulloblastoma
- M01RR-00134-10 0001 General clinical research center - Serotonin metabolism (human)
- ** M01RR-00229-09 0040 General clinical research center - Development of hypopituitarism after yttrium 90 pituitary implant (human)
- P07RR-00267-09 0131 Biomedical data processing unit - Transport properties of the membrane
- M01RR-00334-08 0005 General clinical research center - Organ infusion (human)
- ** M01RR-00828-01 0033 General clinical research center - Combined radiation therapy and immunotherapy for lung carcinoma (human)
- ** M01RR-00828-01 0034 General clinical research center - Combined radiation therapy and immunotherapy for CA of esophagus (human)
- ** M01RR-00828-01 0035 General clinical research center - Combined radiation therapy and immunotherapy for pancreas CA (human)
- ** M01RR-00865-01 0032 General clinical research center - Protection of kidney during radiation therapy for abdominal neoplasms (human)
- NEOPLASTIC THERAPY, CARCINOGENESIS INHIBITORS**
- ** P01AM-08445-10 0013 Biology of skin of man and other primates - New inhibitor for melanoma cells (mice)
- R01AM-17434-01 Hemopoietic stem cell surface characters (mice, rats)
- R01CA-09599-16 0002 Histochemical and quantitative studies of neoplasia - Induction of polycyclic hydrocarbon hydroxylase and carcinogenesis (mice)
- R01CA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice)
- ** R01CA-11939-03 Chemical carcinogenesis and mammalian DNA replication (mice, hamsters)
- R01CA-12370-04 Cellular function in cancer and viral transformation (mice)
- P01CA-12376-03 0017 Environmental carcinogenesis - Aryl hydrocarbon hydroxylase and skin carcinogenesis (mice)
- ** R01CA-12795-03 Nonspecific resistance to viral-induced tumors (mice)
- P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- ** P01CA-13343-02 0007 Environmental cancer - Inhibition of cancer by protease inhibitors and steroid hormones (rodents)
- ** R01CA-14146-02 Inhibition of chemical carcinogenesis by antioxidants (mice)
- R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
- ** R01CA-14200-02 Tumor inhibition by prolactin inhibiting factor (animals)
- ** R01CA-14445-02 Carcinostatic treatment according to spectrum of rhythms (mice)
- ** R01CA-14500-02 Biologically significant polycyclic derivatives
R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
- ** R01CA-15287-01 Effect of selenium on chemical carcinogenicity (rats)
- ** R26CA-15315-02 0003 Control of bladder cancer - Prevention of bladder cancer by promotion inhibitors (rats)
- ** R26CA-15638-01 Inhibition of neoplasia of the large bowel (rats)
- R01CA-15988-01 Immune surveillance and cancer (mice)
- ** R26CA-16765-01 Biochemical mechanisms in experimental bladder cancer (rats, rabbits)
- ** P10ES-00260-12 0001 Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
- ** P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
- R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
- ** R01ES-00712-02 Antibiotic mucor ecology of mycotic hepatomagenesis (ducks)
- ** R01GM-15597-07 Genetic and comparative studies of enzymes (human, microorganisms)
- NEOPLASTIC THERAPY, PALLIATIVE TREATMENT**
- R01AM-15634-03 Inhibitors of enzyme synthesis
- ** P02CA-08832-08 0136 An integrated study of advanced malignant diseases - Palliative radiotherapy for cancer of pancreas
- P01CA-14599-01 0033 University of Chicago Cancer Research Center - Comprehensive therapy of metastatic colon and rectal cancer (human)
- R10CA-15938-01 Radiation Therapy Oncology Group
- NEOPLASTIC THERAPY, THERMOTHERAPY**
- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- ** R01CA-15833-01 Radiofrequency heat for cancer therapy (cats, dogs, mice)
- ** R01CA-16111-01 Local ultrasonic hyperthermia for tumor therapy (cats)
- R01CA-16178-01 in vitro thermal enhancement of radiosensitivity
- NEOPLASTIC TRANSFORMATION**
- SEE ALSO NEOPLASMS, LATENT CANCER
- ** R01AI-00957-19 RNA function in viral infected and uninfected cells
- R01AI-01725-17 Biochemistry of animal virus multiplication
- R01AI-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
- R01AI-03231-15 Structural basis of antibody specificity (mice, rabbits)
- R01AI-05875-10 Antibody synthesis (mice)
- P01AI-11378-02 0002 Cell biology and chemistry of lymphocytes and lymphocyte products - Mitogenesis and cell surface mapping
- ** R01AI-11519-02 Bacterial and mammalian DNA replication
- ** R01AM-04784-14 Control of secretion of hypothalamic hormones
- R01AM-15051-03 Molecular structure of thyroactive compounds
- ** R01AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
- R01AM-16013-03 Enzyme regulation in the hemopoietic system (human)
- R01AM-16272-03 Regulation of hemoglobin synthesis and hematopoiesis (rats, rabbits)
- R01AM-16999-02 Molecular biology of erythroid cell differentiation (mice, rabbits, rats)
- P01CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
- P01CA-02332-20 0034 Clinical and laboratory studies of normal and abnormal growth - Changes in tRNA during differentiation and neoplasia (rats, yeast)
- ** R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- ** R01CA-04670-15 Hybridization, DNA function, mutation in cell culture (human, rodents)
- ** P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- ** R01CA-05619-12 Interactions in normal and malignant cell populations
- ** P02CA-05826-13 0035 Clinical cancer research center - Cancer immunobiology-correlation between immunological deficiency and incidence
- ** P02CA-05826-13 0041 Clinical cancer research center - Medical and metabolic studies-normal and malignant gastrointestinal cells in man
- ** P02CA-05826-13 0062 Clinical cancer research center - Gastrointestinal mucosa in premalignant and malignant states

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
- P02CA-05831-13 0040 Cancer clinical research - Growth kinetics of plasma cell tumors (human)
- ** R01CA-06145-13 0006 Chemotherapy of intracranial neoplasms - Transplantation of brain tumor cells (mice, hamsters)
- R01CA-06420-13 Karyotype and phenotype of malignant cells (human, rats, hamsters)
- P02CA-06516-12 0025 Cancer center support grant-Comprehensive - Heterotransplantation approaches to human leukemia and lymphoma (hamsters, rats)
- P02CA-06516-12 0026 Cancer center support grant-Comprehensive - Detection of sub infections RNA tumor virus gene expression
- P02CA-06516-12 0029 Cancer center support grant-Comprehensive - Immunocytochemistry and human chromosome identification (*Drosophila*, human)
- P02CA-06516-12 0031 Cancer center support grant-Comprehensive - EM investigation of macromolecular components (mammals)
- P02CA-06516-12 0033 Cancer center support grant-Comprehensive - Poly A metabolism in normal and tumor cells (hamsters)
- R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
- ** R01CA-06654-12 Virus-induced neoplastic conversions
- ** P01CA-06927-12 0024 Biological and biochemical program in cancer research - Tumor cell antigenicity and resistance to carcinogens (mice, monkeys)
- ** P02CA-06973-12 0023 Integrated clinical cancer research program - Immunocytochemistry-Plasma cell dyscrasia (human)
- ** R01CA-06999-11 Metabolic changes induced by tumor virus (human)
- ** R01CA-07139-11 Biochemical studies in polyoma transformed cells
- P01CA-07175-11 0012 Cancer research at the McArdle laboratory - Gene expression in liver and hepatoma (rats)
- P02CA-07357-10 0001 Special children's cancer center program - Role of viruses in etiology of acute leukemia (human, primates nonhuman)
- ** R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
- ** P02CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Lucke tumor (frogs)
- R01CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
- ** R01CA-08725-06 Effect of leukemia viruses on hematopoiesis
- P01CA-08748-09 5641 Research program of Sloan-Kettering Institute - Growth in normal, benign and malignant gastrointestinal mucosa (human)
- ** P01CA-08748-09 6905 Research program of Sloan-Kettering Institute - Oncogenic transformation by hamster sarcoma virus
- ** P01CA-08748-09 7706 Research program of Sloan-Kettering Institute - Reversal of abnormal growth patterns in tumors (mice)
- P02CA-08832-08 0109 An integrated study of advanced malignant diseases - Radiation and chemical therapy of acute lymphoblastic leukemia (human)
- P02CA-08832-08 0111 An integrated study of advanced malignant diseases - Effect of radiation on PHA induced lymphocyte transformation and replication
- ** R01CA-08975-08 Effect of tumor virus on antigen constitution of cells (monkeys, human)
- ** R01CA-10095-07 Gene action and cellular differentiation in culture (mice, human)
- ** R01CA-10467-07 Biochemical events after tumor virus infection
- R01CA-10594-07 Regulatory processes in tumor virus-infected cells
- R01CA-10729-07 Induction-Characterization-Minimal deviation hepatomas (rats)
- P01CA-10815-06 0008 Consolidated basic cancer research program - Isolate and characterize T antigen (human, hamsters, mice)
- P01CA-10815-06 0011 Consolidated basic cancer research program - Cell-free SV40-induced transplantation antigen (hamsters)
- ** P01CA-10815-06 0028 Consolidated basic cancer research program - Selection of lethal mutants of SV40 (mammals)
- ** P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poliothermic vertebrate cells or viruses
- ** P01CA-10815-06 0044 Consolidated basic cancer research program - Effects of chemical carcinogens on tumor viruses (rodents)
- ** P01CA-10815-06 0045 Consolidated basic cancer research program - Oncogenic viruses and embryogenesis (mice)
- ** P01CA-10815-06 0052 Consolidated basic cancer research program - Melanotic differentiation in normal and malignant pigment cells
- ** P01CA-10815-06 0054 Consolidated basic cancer research program - Growth, differentiation and tumorigenesis of neuronal elements (mice)
- P01CA-10815-06 0062 Consolidated basic cancer research program - Expression of cell surface antigens in hybrid cells (human, mice)
- P01CA-10815-06 0064 Consolidated basic cancer research program - Tumor promoters effect on normal and transformed cells (human)
- P01CA-10815-06 0065 Consolidated basic cancer research program - Significance of stanol precursors accumulation by glioblastomas (mice)
- ** P01CA-10815-06 0069 Consolidated basic cancer research program - Senescence and transformation in steroid-influenced cell growth (cell culture)
- ** P01CA-10815-06 0070 Consolidated basic cancer research program - Structure-function relationships of lysosomes (mammals)
- ** P01CA-10815-06 0072 Consolidated basic cancer research program - Clone cell properties-virus and chemical transformation (human, hamsters)
- P01CA-10893-06 0012 Cancer Research Center - Mitochondrial function in tumor growth (rats, rabbits)
- ** P01CA-10893-06 0014 Cancer Research Center - Viral genes involved in cell transformation (monkeys, mice, hamsters)
- P01CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
- P02CA-10895-06 0010 Adult leukemia research center - Molecular biology (human, dogs, birds)
- R01CA-10909-07 Immunospecific glycolipids of normal and cancer cells (human)
- ** R01CA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)
- ** P02CA-11051-06 0051 Clinical radiation research center - Radiation pathology-Cell proliferation kinetics (hamsters)
- R01CA-11113-06 Tumor inhibitory enzymes (human, mice, guinea pigs)
- ** R01CA-11151-06 Maturation of RNA and DNA in tumor virus infection
- P01CA-11405-06 0009 Core program on etiology of cancer - Effect of human milk on structure of mouse B particles
- ** P01CA-11405-06 0018 Core program on etiology of cancer - Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human)
- ** R01CA-11437-03 Magnesium deficiency, leukocytosis, lymphoma, leukemia (rodents)
- R01CA-11603-05 Hormone-induced regression of cancers (rats)
- ** R01CA-11613-05 Yaba virus oncogenesis-Immunologic and viral factors (monkeys, rabbits)
- R01CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
- ** R01CA-11797-05 mRNA translation in normal and neoplastic cells (mammals, microorganisms, beans)
- R01CA-11898-04 Brain tumors-Virological and immunological studies (hamsters, rabbits)
- R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
- ** R01CA-12078-03 Surface antigens of RNA tumor virus-infected cells (chickens, rabbits)
- ** P01CA-12093-04 0007 Immunobiology of cancer - Viral oncology and immunology (hamster, human, chick embryo)
- ** R01CA-12113-04 Genetics of X chromosomes and malignant hybridization (humans)
- ** R01CA-12131-03 Viral transformation genetics, and leukemia risk (human)
- ** P01CA-12174-04 0019 Growth and cell control processes - Glycoproteins of transformed cells (mice)
- ** P01CA-12174-04 0020 Growth and cell control processes - Turnover of surface components in normal and transformed cells (chickens)
- ** P02CA-12197-03 0022 Multidisciplinary oncology research center - Thermoregulation of animal virus-cell interaction (frogs)
- P02CA-12197-03 0031 Multidisciplinary oncology research center - Herpes viruses, Lucke renal adenocarcinoma and cervical cancer (human, anurans)
- ** R01CA-12303-03 Structure function relationships in plasma membranes (human)
- ** R01CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
- R01CA-12370-04 Cellular function in cancer and viral transformation (mice)
- ** R01CA-12386-03 Development of lymphoma in the thymus (mice)
- ** R01CA-12426-03 Membrane changes caused by tumor virus transformation (cell lines)
- ** R01CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
- ** R01CA-12467-04 Early cell-surface changes in oncogenesis (chick embryo, viruses)
- ** R01CA-12503-04 Neoplastic growth and cell cycle control (mice)
- R01CA-12504-04 Suppression of malignancy in cell hybrids (mice)
- ** P01CA-12536-04 0003 Effects of small doses of ionizing radiation - Malignant transformation of mammalian cells (hamsters)
- P01CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
- R01CA-12586-02 Lymphocyte metabolism and therapy of viral leukemia
- ** R01CA-12600-04 Incorporation of BUdR into DNA and neoplastic growth (*Drosophila*)
- P01CA-12662-03 0001 Cancer research center - Regulation of thymidine kinase in relation to cell division (mice)
- P01CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
- ** R01CA-12712-03 Protein turnover in normal and transformed animal cells (rats)
- ** R01CA-12753-03 Cell surfaces and transformation
- R01CA-12765-03 Role of nuclear proteins in the neoplastic process (mice, rats)
- R01CA-12784-03 Circular DNA-Implications for cancer and drug resistance
- ** R01CA-12808-03 Protein turnover during neoplasia (rats)
- ** R01CA-12810-03 Proteases as growth stimulators of animal cells (mice)
- ** R01CA-12818-03 DNA polymerases in normal and leukemic lymphocytes (human)
- R01CA-12858-03 Biogenesis of lysosomes-Normal and neoplastic tissue (rats)
- ** R01CA-13032-03 In vitro system for detection of preinvasive carcinoma (mice)
- ** P02CA-13053-03 0087 Clinical cancer radiation therapy research center - X-ray induced malignant cell transformation (mice)
- ** P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
- P02CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
- P02CA-13148-03 0053 Pilot cancer center - Mechanisms and regulation of protein synthesis (human, bacteria)
- ** R01CA-13175-03 RNA processing in tumor and transformed cells (rats, mice, cats)
- ** R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
- ** R01CA-13178-03 Oncogenic and hormonal control of RNA methylation (mice, rats)
- R01CA-13231-03 Effects of tumorigenic adenoviruses on cells
- ** P01CA-13330-03 0021 Cancer research program - Cell membranes in normal and cancer cells (human)
- ** P01CA-13330-03 0029 Cancer research program - Cyclic AMP in normal and malignant cells (rabbits, monkeys, human)
- ** P01CA-13330-03 0030 Cancer research program - Biochemical cytology of normal and malignant cells (human, animals)
- ** P01CA-13330-03 0031 Cancer research program - Diploid cell aging and transformation in culture (human, chick embryo)
- ** P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
- ** P01CA-13330-03 0042 Cancer research program - Avian myeloblastosis reverse transcriptase (mice, human)
- P01CA-13330-03 0046 Cancer research program - Replication of VSV in Friend virus-infected mouse cells
- R01CA-13333-03 Murine myeloma tumor studies
- R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
- R01CA-13401-03 5-BudR effects on polyoma and SV40 transformed cells (mice)
- R01CA-13402-03 Surface membranes in normal and cancer cells (human)
- ** R01CA-13414-03 Replicon control in normal and transforming cells (hamsters)
- R01CA-13431-03 Herpes virus nucleic acids in human tumors
- P01CA-13472-02 Investigation of childhood leukemia
- P01CA-13472-02 0003 Investigation of childhood leukemia - Clonal selection of leukemic cells (mice, human)
- R01CA-13494-02 Cell analysis of some virus-associated tumors of man
- ** R01CA-13506-03 Characterization of virus genomes in transformed cells
- ** R01CA-13515-02 Genetic study of animal viruses (monkeys)
- ** R01CA-13538-03 Neuroblastoma model of benign-malignant neoplasm phases (mice)
- ** P02CA-13696-02 0001 Clinical cancer research center - Leukemia, lymphoma and myeloma (human)
- ** P02CA-13696-02 0018 Clinical cancer research center - Pathological aspects of colorectal cancer (human)
- P02CA-13696-02 0059 Clinical cancer research center - Use of clinical tumor material for viral study (human)
- ** P02CA-13696-02 0066 Clinical cancer research center - Electron microscopy studies of normal and abnormal tissues (human)
- R01CA-13718-02 Aberrant gene expression during chemotherapy (rats, mice)
- ** P01CA-13741-02 Exploratory studies in cancer research
- ** R01CA-13763-02 Chromosomal variants of cells converted by viruses (human, hamsters)
- ** R01CA-13808-02 Transformation and recovery of crown gall tumor cells
- ** R01CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
- ** R01CA-13884-02 Viral gene functions and regulation of cell growth
- R01CA-13915-02 Liver cell differentiation and carcinogenesis (rats)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01CA-13978-02 Mammalian cell transformation by oncogenic viruses
 R01CA-13992-02 0003 Surface membranes of normal and cancer cells - Presence of the fucose-sialyl glycoprotein in various types of cells (human)
 ** R01CA-14037-01 Membrane structure related to oncogenesis and cell division (cell lines)
 ** P01CA-14051-02 0002 Center for cancer biology at MIT - Cellular biology of cancer (animals)
 ** R01CA-14054-02 Malignant behavior and cellular antigen expression (mice, human)
 R01CA-14084-02 Role of carcinogen in nucleic acid metabolism (rats)
 P01CA-14089-01 0003 Pilot multidisciplinary cancer research program - Transport of nucleosides in mammalian cells
 ** P01CA-14097-02 0011 Cancer research program-Viruses: control mechanisms - Tumor virus transformation-Tissue homeostasis (mammals)
 ** R01CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
 ** R01CA-14142-12 Cell surface biochemistry of transformed animal cells (hamsters)
 ** R01CA-14162-01 Carcinogen interactions in regenerating liver (rats)
 P01CA-14195-01 0005 Core grant-Regulation, the cell membrane and cancer - Viral gene functions and cell growth regulation (tissue culture)
 P01CA-14195-01 0007 Core grant-Regulation, the cell membrane and cancer - Membrane structure and function (tissue culture)
 ** P01CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
 P01CA-14195-01 0010 Core grant-Regulation, the cell membrane and cancer - Regulation and function of cell surface antigens (mice)
 ** P01CA-14195-01 0016 Core grant-Regulation, the cell membrane and cancer - Serum factor requirements of fetal rat liver cells and transformed fibroblasts
 ** P01CA-14195-01 0023 Core grant-Regulation, the cell membrane and cancer - Viral gene functions involved in transformation (tissue culture)
 P01CA-14195-01 0024 Core grant-Regulation, the cell membrane and cancer - Cell surface proteins of polyoma virus and SV40 transformed cells (hamsters)
 ** R01CA-14226-02 Malignant transformation of DNA inhibitors (mice)
 ** R01CA-14274-02 Sugar transport and malignant transformation (mice)
 R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
 ** R01CA-14312-01 Hepatocellular growth-In vitro system (rats)
 ** R01CA-14313-02 Interaction of lectins with cell membranes (human)
 R01CA-14319-02 Glycosphingolipid biochemistry in transformed cells (human, hamsters, cattle)
 R01CA-14327-02 Transfer factor immunotherapy of cancer
 R01CA-14387-02 Organ cultures and carcinogens (human, animals)
 R01CA-14408-02 Role of cancer factor in thrombosis and tumor growth (human)
 R01CA-14466-02 Mechanism of aminoazo dyes carcinogenesis (rats)
 P02CA-14520-02 0006 Wisconsin Clinical Cancer Center - Genetic and epidemiologic factors in high risk cancer (human)
 R01CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
 R01CA-14551-02 Penetration of macromolecules into mammalian cells
 R01CA-14576-02 Energy metabolism and leukemic lymphocytes (human)
 P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
 P01CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Abnormal viral DNA replication
 P01CA-14599-01 0003 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Lymphocyte growth potential
 P01CA-14599-01 0008 University of Chicago Cancer Research Center - Cell surface and cellular interaction in growth and differentiation (mammals)
 ** P01CA-14599-01 0009 University of Chicago Cancer Research Center - DNA replication in normal and transformed cells (mice, Drosophila)
 P01CA-14599-01 0010 University of Chicago Cancer Research Center - Induction of erythropoiesis by murine erythroblastosis virus (mice)
 P01CA-14599-01 0011 University of Chicago Cancer Research Center - DNA metabolism and DNA binding proteins of yeast meiosis
 P01CA-14599-01 0012 University of Chicago Cancer Research Center - Control of temporal order of eukaryote DNA synthesis (slime molds)
 P01CA-14599-01 0019 University of Chicago Cancer Research Center - Organization of lipids in plasma membranes (rats)
 P01CA-14599-01 0037 University of Chicago Cancer Research Center - Neoplasia in childhood-Cell susceptibility to transformation
 R01CA-14630-02 Turnover of ribosomal RNA in virus transformed cells
 R01CA-14670-02 Host functions related to tumor virus infection
 P01CA-14723-02 0007 Experimental cancer immunology - Role of mononuclear phagocytes in tumor immunity (mice)
 ** P01CA-14723-02 0009 Experimental cancer immunology - Specialized functions of neoplastic hamster lymphoid cells
 ** R01CA-14730-01 Virus induced leukemic stem cells in mice
 R01CA-14780-02 Transport by membrane vesicles of cultured tumor cells
 ** R01CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncoviruses
 P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
 P01CA-14801-02 0003 Chemotherapy and regulation of oncogenic viruses - Friend virus and murine erythroid precursor cell differentiation (mice)
 ** P01CA-14801-02 0008 Chemotherapy and regulation of oncogenic viruses - Chromosomal protein-Changes associated with oncovirus infection
 P01CA-14801-02 0010 Chemotherapy and regulation of oncogenic viruses - Cellular control of production of RNA tumor viruses
 R01CA-14885-01 Simian virus 40 DNA replication and transformation
 R01CA-14898-02 Transformation of human cells (rats, hamsters)
 R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
 ** R01CA-15044-01 Pathogenetic determinants of human CNS tumors
 R01CA-15072-01 Pathology of lymphoid neoplasms derived from T and B cells (mice)
 R01CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
 ** R01CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
 ** R01CA-15141-01 Control of nuclear events in normal and neoplastic cells (human, mice)
 P02CA-15145-01 0019 Cancer center support grant - Cell surface changes during in vitro carcinogenesis
 P02CA-15145-01 0032 Cancer center support grant - The role of tumor angiogenesis factor(s) in brain neoplasms (human, animals)
 P02CA-15145-01 0036 Cancer center support grant - Translation phenomena in normal and neoplastic cells
 ** R01CA-15205-01 Hydrocarbon-Induced malignant transformation in vitro
 ** R01CA-15330-01 Electron diffraction of cancer cell membranes (human)
 R01CA-15339-01 Pattern of molecules on normal and neoplastic cells
 ** R01CA-15365-01 Surface changes in virus transformed cells (SV40, viruses, monkey, HeLa cells)
 R01CA-15388-01 Characterization of serum factors inducing mitosis (human, mice)
 ** R01CA-15544-02 Effect of microtubular proteins on cell surfaces (human)
 R01CA-15567-01 Kinetic modeling of rat liver and Morris tumors
 ** R01CA-15630-01 Surface glycoproteins of normal and transformed cells (chick embryo, viruses)
 ** R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
 ** P01CA-15655-01 0004 Cancer center support grant - Host variables in response to herpes and mitogens (human)
 P01CA-15655-01 0012 Cancer center support grant - Molecular and cell biology
 P01CA-15655-01 0014 Cancer center support grant - Interaction of aggregation factor with cell surface (sponge)
 P01CA-15655-01 0015 Cancer center support grant - Cell surface molecules in contact inhibition (slime molds)
 ** P01CA-15655-01 0017 Cancer center support grant - Cell surface fluctuations and contact phenomena (mice)
 ** P01CA-15655-01 0018 Cancer center support grant - Cell surface receptors
 P01CA-15655-01 0020 Cancer center support grant - Fatty acid phospholipid composition and DNA synthesis (bacteria)
 P01CA-15655-01 0021 Cancer center support grant - Visualization of regulatory proteins bound to DNA (E coli)
 P01CA-15655-01 0022 Cancer center support grant - Growth regulation and rRNA synthesis (sea urchins)
 P01CA-15655-01 0023 Cancer center support grant - rRNA metabolism during contact inhibition (sea urchins)
 P01CA-15655-01 0024 Cancer center support grant - mRNA sequences in nuclear RNA (rabbits)
 P01CA-15655-01 0025 Cancer center support grant - Enzymic control of division cycle (protozoan)
 P01CA-15655-01 0026 Cancer center support grant - Tissue proteinases and inhibitors in cell growth (mammals)
 P01CA-15655-01 0027 Cancer center support grant - Cyclic nucleotides and cell division control (mice)
 P01CA-15655-01 0028 Cancer center support grant - Orientation of coupling factors (mammals)
 P01CA-15655-01 0030 Cancer center support grant - Influence of egg cortex factors on differentiation (squid)
 ** P01CA-15655-01 0031 Cancer center support grant - Marine environment program
 ** P01CA-15655-01 0038 Cancer center support grant - Immunodiagnosis and immunotherapy of cancer (human)
 ** R01CA-15683-01 Phosphoproteins and phosphorylating enzymes in neoplasia (human, cell lines)
 P01CA-15704-01 0002 Cancer center support grant - Biochemical oncology
 ** R01CA-15744-01 Primary events in regulation cell multiplication (chick embryo)
 ** R01CA-15751-01 Function of tumor virus specific non-virion proteins
 ** R01CA-15773-01 Hormone-membrane interaction in neoplasia (human)
 ** P01CA-15820-01 0002 Comparative Oncology Research Program - Histologic and ultrastructural studies (dogs)
 M P01CA-15823-01 Program in developmental biology of cancer
 P01CA-15823-01 0001 Program in developmental biology of cancer - Developmental studies of transformed cells
 ** P01CA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinomas (human, hamsters)
 P01CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)
 P01CA-15823-01 0008 Program in developmental biology of cancer - Neoplastic membranes (human)
 ** P01CA-15823-01 0009 Program in developmental biology of cancer - Membrane changes in neoplastic transformation (hamsters)
 ** R01CA-15889-01 Cell surface changes in viral oncogenesis (mice)
 ** R01CA-15917-01 Nitrogen metabolism and plant neoplastic state
 R01CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
 R01CA-15979-01 0001 Cholesterol metabolism in normal and malignant liver - Hydroxymethylglutaryl Co A reductase characterization (rats)
 R01CA-15980-01 Treatment of malignant disease of brain (monkeys)
 R01CA-16006-01 RNA and growth control in animal cells
 ** R01CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
 ** R01CA-16033-01 Resurgent fetal gene products in neoplastic tissue (rats, viruses)
 M P01CA-16038-01 Program on the molecular basis of viral transformation
 ** P01CA-16038-01 0004 Program on the molecular basis of viral transformation - Viral genetic information in SV-40 transformed cells (human, monkeys, mice)
 ** P01CA-16038-01 0006 Program on the molecular basis of viral transformation - Host and viral factors in oncogenesis by EB virus (human, mammals)
 ** R01CA-16123-01 Esterases and amidases in oncogenic transformation (mammals, viruses)
 ** P01CA-16127-01 0012 Cancer Research and Treatment Center Program - Cell surface in oncogenic virus-transformed mammalian cells
 ** R01CA-16172-01 Neoplasia in nude (athymic) mice
 R01CA-16207-01 Characterization of malignant cell variants
 M P01CA-16228-01 Cell membrane in proliferation and oncogenesis
 ** P01CA-16228-01 0001 Cell membrane in proliferation and oncogenesis - Membrane in transformation (mammals)
 ** P01CA-16228-01 0002 Cell membrane in proliferation and oncogenesis - Glycosylated macromolecules and cell proliferation (mice)
 ** P01CA-16228-01 0003 Cell membrane in proliferation and oncogenesis - Membrane events and cell function (hamsters, human)
 ** P01CA-16228-01 0005 Cell membrane in proliferation and oncogenesis - Antigen binding and triggering on lymphocyte membranes (human, mice)
 ** P01CA-16228-01 0006 Cell membrane in proliferation and oncogenesis - Transport systems and regulation of growth (mice, rats)
 ** P01CA-16228-01 0007 Cell membrane in proliferation and oncogenesis - Intramembranous particles-Glycoproteins-Growth control (mice)
 M P01CA-16239-01 Biosynthesis in normal and virus-transformed cells
 ** P01CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
 R01CA-16262-01 Subunit structure and function of oncovirus RNA
 ** R01CA-16266-01 Mechanism of AMV transcriptase inhibitors
 P01CA-16359-01 0004 Cancer center support grant - Genetic control of cell membrane antigen expression
 ** P01CA-16359-01 0022 Cancer center support grant - Viral gene expression and transformation
 ** R01CA-16368-01 Control of differentiation of erythroleukemic cells (human, mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** R26CA-16375-01 Role of bile acids in etiology of large bowel cancer (mammals)
- R26CA-16430-01 Carcinoma of the prostate (human)
- R26CA-16732-01 Glycoprotein antigens in experimental large bowel cancer (rats)
- ** R01CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)
- R26CA-16764-01 Carcinoma of the colon (human)
- ** R01CA-17050-01 Glycoprotein agglutinins of normal and transformed cells (mice)
- ** N01CB-23865-02 Basic biological events in the pathogenesis of mammary cancer (rats)
- ** N01CB-23873-02 Breast cancer (rats)
- ** N01CB-43904-00 Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman)
- N01CB-43930-00 Mechanisms by which tumors avoid immune destruction (mice C57 Bl/6)
- N01CM-33708-03 Pharmacologic and carcinogenic studies in neonatal primates (mice)
- N01CM-43791-00 Combined use of radiotherapy and clinically established antitumor drugs
- ** N01CP-22006-06 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- ** N01CP-22047-02 Interaction between chemical and viral carcinogens (human, hamsters)
- N01CP-22064-02 Organ culture assay of vitamin A analogs (mice, chickens)
- N01CP-23205-02 Research on the transfer of tumor immunity (monkeys, guinea pigs)
- ** N01CP-33211-02 Molecular events in transformation by RNA oncogenic viruses (human, animals)
- ** N01CP-33290-01 Immunologic and epidemiologic studies on Japanese patients with cancer
- N01CP-33321-01 Study on breast lesions (human)
- ** N01CP-33332-01 Hormonal control of gene expression (mammals nonhuman)
- N01CP-33357-01 Tumor viruses in immunological deficiency diseases (human)
- ** N01CP-43207-00 Spontaneous and virus induced neoplastic transformation (human, cats)
- ** N01CP-43216-00 Spontaneous and virus induced neoplastic transformation studies (human)
- ** N01CP-43236-00 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- ** N01CP-43252-00 SVCP back-up laboratory
- ** N01CP-43276-00 Interaction between chemical and viral carcinogens (human, rodents)
- ** N01CP-43307-00 Studies of mammalian cell transport systems
- ** N01CP-43318-00 Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals)
- N01CP-43355-00 Conduct studies of nonsense suppressor of 3T3 cells (mice)
- ** N01CP-43365-00 RNA tumor virus transformation of skin fibroblast cells
- ** R23DE-03582-02 Glycoproteins of transformed salivary glands (rats)
- P10ES-00210-07 0019 Center for environmental management - Environmental chemicals and tumor virus expression-induction (rabbits)
- R01EY-00238-13 Reaction of corneal cells to injury (rabbits)
- P01EY-00785-03 0006 Vision research center - RNA dependent DNA polymerase in ocular tumors (human, animals)
- R01GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
- R01GM-10717-12 Nucleic acid metabolism of mammalian cells in culture
- P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- P01GM-11301-12 0008 Structure, function and biosynthesis of macromolecules - Control of gene expression and metabolic pathways (chick embryo)
- ** P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
- P01GM-15253-08 0042 Genetics in medicine-Gene action in man - SV40 transformation of fibroblasts from mothers of Downs syndrome subjects
- P01GM-15253-08 0043 Genetics in medicine-Gene action in man - Effect of lymphocyte lysate on transformation of allogenic fibroblasts
- ** P01GM-15253-08 0045 Genetics in medicine-Gene action in man - Effect of antilymphocyte serum on lymphocyte mitoses (dogs)
- ** P01GM-15253-08 0046 Genetics in medicine-Gene action in man - SV40 transformation of fibroblasts from subjects at risk to develop malignancy
- P01GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- R01GM-15508-07 0002 Cell regulation and fetal proteins in neoplasia - Role of fetal protein in neoplasia (human, rats)
- R01GM-18006-03 Membranes of bacteria and tumor cells (E coli)
- P01GM-18153-04 0005 Gene control of mammalian cell differentiation - Cytogenic studies and gene function (human, mice, rats, monkeys)
- P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- ** P01GM-19513-03 0015 Human genetics - Genetics of malignant cells (human, mice)
- R01GM-19719-02 Control of cell division (human, mice)
- R01GM-19807-02 0007 Membrane permeability as a regulatory element - Effect of ethylene on glycolysis (mammals)
- R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
- R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
- R01GM-21361-01 Biologic role of cyclic nucleotide phosphodiesterase (rodents, chick embryo)
- P01HD-02147-08 0007 Extracellular growth and development - Development and differentiation of leukocytes (human)
- ** P01HD-04583-06 0023 Mental retardation research center - Cell transformation by murine sarcoma virus (human, mice)
- ** P01HD-05797-04 0020 Population and reproductive biology - Macromolecular conformation in collagen (human, mice)
- P01HD-05875-04 0004 Aging mechanisms of in vitro human cell systems - Morphology of aging cells (WI-38)
- P01HD-06323-03 0005 Cellular senescence and control of cell proliferation - Genetic factors and aging of cultured somatic cells (human)
- ** P01HD-06323-03 0006 Cellular senescence and control of cell proliferation - Transformation studies (human SV40)
- ** R01HD-06390-03 Role of the cell surface in cancer and embryology (human, chick embryo, mice)
- ** R01HD-07137-01 Contact behavior of developing and transformed cells (mice, fundulus)
- P01HL-08214-11 0038 Chemical and biological properties of lipids - Unusual lipids in cancer tissues (mammals)
- R01HL-14960-06 Control of gene expression in differentiating cells (human, sheep)
- ** R01NS-06610-08 In vitro biology of brain cellular species (rats, mice)
- R01NS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
- ** R01NS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
- ** R01NS-09789-03 Fine structure of viral induced brain tumors (dogs)
- N01NS-22330-02 Effects of lipids on human and bacterial cells
- N01RR-00827-01 0002 General clinical research center - Fetal gene expression in cancer-prone families

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS

- R01AI-01650-17 Genetic mechanisms and gene action (bacteria, human)
- R01AI-03445-15 Virus induced alterations in animal cells
- R01AI-10216-04 Studies of cell and virus protein
- R01AI-12170-01 Therapy of herpes infection-S-HALO-CDR and THU
- R01AM-09131-10 Effect of amino acid analogs on protein synthesis (yeasts, rats)
- ** R01AM-13969-06 Factors controlling graft-host interactions (mice)
- R01AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
- ** R01AM-16872-01 0002 Immunopathology of chronic renal failure - Induction and growth of tumors in uremia (rats)
- ** N01AM-32212-02 Hyperlipidemia and atherogenesis (rats)
- ** R01CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)
- ** R01CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
- ** R01CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)
- ** P01CA-02332-20 0046 Clinical and laboratory studies of normal and abnormal growth - AAF carcinogenesis
- ** P01CA-02332-20 0047 Clinical and laboratory studies of normal and abnormal growth - Molecular aspects of chemical carcinogenesis
- ** P01CA-02332-20 0048 Clinical and laboratory studies of normal and abnormal growth - Chemical carcinogenesis in tissue culture (rats)
- ** R01CA-02662-19 Investigations on teratocarcinogenesis (mice)
- ** R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- R01CA-03983-16 Free radicals in physiological and pathological processes (rats)
- ** R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
- R01CA-04571-16 Viruses in the pathogenesis of human tumors
- ** R01CA-05191-15 Some endocrine aspects of neoplasia (mice)
- ** R01CA-05206-14 Latency and viral neoplasia (human, cell culture)
- R01CA-05449-13 Mechanism of bladder cancer (dogs, rats)
- ** R01CA-05490-14 Chemical carcinogenesis (rats)

- P02CA-05826-13 0085 Clinical cancer research center - Endocrine profile in prostatic cancer (human)
- R01CA-05945-11 Macromolecules in liver carcinogenesis (rats, mice)
- M R01CA-05985-13 Stages of carcinogenesis of the cervix uteri in mice
- R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- ** P02CA-06516-12 0030 Cancer center support grant-Comprehensive - Experimental leucomogenesis (rats, mice, human)
- ** R01CA-06656-12 Biochemical aspects of viral carcinogenesis
- ** P01CA-06927-12 0002 Biological and biochemical program in cancer research - Australian antigen, hepatitis virus and its relation to leukemia (rabbits)
- ** P01CA-06927-12 0029 Biological and biochemical program in cancer research - Relationship of protein binding to carcinogenesis (rats)
- R01CA-07055-12 Lucke tumor associated viruses (frogs)
- R01CA-07110-11 Highly strained nitrogen heterocyclics
- ** R01CA-07160-10 Possible neoplastic effects of non-neoplastic viruses (mice)
- ** P01CA-07175-11 0001 Cancer research at the McArdle laboratory - Mechanism of mouse tumor skin formation
- ** P01CA-07175-11 0083 Cancer research at the McArdle laboratory - Carcinogenesis in organ culture (mice)
- ** P01CA-07175-11 0008 Cancer research at the McArdle laboratory - Reactions involved in carcinogenesis by chemicals (rats)
- ** P01CA-07175-11 0013 Cancer research at the McArdle laboratory - Theory of carcinogenesis (rats)
- ** P01CA-07175-11 0016 Cancer research at the McArdle laboratory - Carcinogenesis by RNA viruses (rats, mice, chickens)
- ** R01CA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- ** R01CA-07868-09 Defective Friend virus and its pseudotypes (mice)
- ** R01CA-07883-10 Metabolic interrelationships (pyruvate kinase in mammals)
- ** R01CA-08306-09 Protein biosynthesis in neoplasia (rats)
- P02CA-08341-09 0031 Clinical pharmacology and cancer chemotherapy - Molecular interaction of estrogens, androgens and progestins (mammals)
- R01CA-08348-10 Biochemistry of procarbazine and related hydrazines (rats)
- R01CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
- R01CA-08515-09 Tissue culture studies of the mammary tumor virus (human, mice)
- R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
- ** R01CA-08627-08 Antigenic changes in mouse leucomogenesis (mice, rabbits)
- ** R01CA-08731-09 Viral carcinogenesis with special reference to SV40
- R01CA-08740-08 Etiological studies of mammary carcinoma (human, mice)
- ** P01CA-08748-09 5412 Research program of Sloan-Kettering Institute - Effect of immunological status on purine N-oxide carcinogenesis in rats
- ** P01CA-08748-09 5636 Research program of Sloan-Kettering Institute - Production of adenocarcinoma of the colon (mice)
- ** P01CA-08748-09 5920 Research program of Sloan-Kettering Institute - Bladder tumors-Influence of dietary factors (rats)
- ** P01CA-08748-09 5922 Research program of Sloan-Kettering Institute - Kidney tumors-Influence of dietary factors (rats)
- P01CA-08748-09 6213 Research program of Sloan-Kettering Institute - Proliferation of hematopoietic precursors in acute leukemia, preleukemia (human)
- ** P01CA-08748-09 6513 Research program of Sloan-Kettering Institute - Xanthine-3-N-oxide-induced rat liver disorders
- ** P01CA-08748-09 6522 Research program of Sloan-Kettering Institute - Concentration and purification of murine leukemia virus (Friend virus)
- ** P01CA-08748-09 7604 Research program of Sloan-Kettering Institute - Proliferation in rat liver induced by xanthine 3-N-oxide
- ** P01CA-08748-09 7709 Research program of Sloan-Kettering Institute - Carcinogenesis in genetically impaired liver cells (rats)
- ** R01CA-08851-11 Viral carcinogenesis and latency
- ** R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
- ** R01CA-08857-09 Urinary bladder carcinogenesis in man and animal (rabbits)
- ** R01CA-08893-07 Protein synthesis in normal and malignant cells (rats)
- R01CA-08930-06 Morphological conversion with leukemia viruses (mice)
- R01CA-09247-22 Partial subsidy for the journal Cancer Research
- M R01CA-09599-16 Histochemical and quantitative studies of neoplasia

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** R01CA-10000-08 Filterable agents and tumor induction in mice
- ** R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- ** R01CA-10018-08 Transplantation disease and leukemia (mice, viruses)
- R01CA-10055-08 Interaction of viruses with host chromosomes
- ** R01CA-10126-08 Mechanisms of transformation by oncogenic viruses
- ** R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
- ** R01CA-10197-08 Tumor induction by avian myeloblastosis virus
- ** R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- R01CA-10367-06 Cell properties related to mitotic control in vitro
- ** R01CA-10401-06 Immunologic studies of canine neoplasia
- R01CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
- ** R01CA-10697-08 Specificity of avian myeloblastosis virus
- R01CA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
- ** PO1CA-10815-06 0042 Consolidated basic cancer research program - Phylogenetic limits of oncogenesis (mammals, birds, reptiles, fish, insects)
- PO1CA-10893-06 0009 Cancer Research Center - Modifications of mammalian DNA (rats)
- PO1CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)
- PO1CA-10893-06 0017 Cancer Research Center - Herpesvirus and cervical cancer
- ** PO1CA-10893-06 0018 Cancer Research Center - RNA viruses (rats, mice)
- R01CA-10903-07 Immunochemical studies of malignant tumors (human, rodents)
- ** R01CA-10904-06 Biochemical studies in cancer (mice, rats)
- ** R01CA-10977-10 ESR studies of biological free radical mechanisms (rodents)
- ** R01CA-10978-06 Enzyme control mechanisms in chemical carcinogenesis (mice, rats)
- R01CA-11049-06 DNA replication in SV40 infected cells
- ** R01CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
- ** R01CA-11224-06 0001 Neurooncogenesis by resorptive carcinogens - Interactions of N-nitrosoureas with cellular components (rats)
- ** R01CA-11224-06 0005 Neurooncogenesis by resorptive carcinogens - Virus-chemical cocarcinogenesis (rats)
- ** R01CA-11271-06 Biochemical studies of hepatoma production by ethionine
- ** PO1CA-11405-06 0010 Core program on etiology of cancer - Detection of tumorigenicity of mammary tumor virus (human)
- ** R01CA-11427-05 Virus in relation to C57BL mouse thymoma
- ** R01CA-11479-05 Nucleolar pathology and molecular carcinogenesis (mice)
- PO1CA-11531-05 Core program in biometrics of cancer epidemiology
- PO1CA-11536-05 0011 Cell control in integumental cancer - Early diagnosis of cancers and precancers
- PO1CA-11536-05 0012 Cell control in integumental cancer - Malignant cell behavior and morphology (mice)
- ** R01CA-11605-06 Immunological reactivity in special circumstances (mice)
- R01CA-11647-05 The replication of viruses
- R01CA-11692-03 Molecular studies of regulators in granulopoiesis (human, mice)
- ** R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- ** R01CA-11799-04 Pathology of the nucleolus in experimental carcinogenesis (rats)
- ** R01CA-11893-05 Cellular and viral control of oncogenic transformation (mice, hamsters)
- ** R01CA-11901-04 Pathology of tumorigenesis in developing embryos (frogs)
- ** R01CA-11944-04 Chemical carcinogenesis of mouse mammary glands (mice)
- ** R01CA-11946-05 Carcinogenicity and metabolism of 5-nitrofurans (rats, mice, hamsters)
- ** R01CA-11982-04 Influence of central nervous system on oncogenesis (rats)
- R01CA-12053-03 The mechanism of action of SH activated cathepsins
- ** R01CA-12056-03 Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats)
- R01CA-12068-03 Integration of SV40 DNA into mouse cell chromosomes
- ** R01CA-12073-04 Chromatin in normal and pathological liver cells (rats)
- ** R01CA-12115-04 Unsaturated polyolefins and hydrocarbon carcinogenesis
- ** R01CA-12130-04 Polyploidy in analysis of variation and tumorigenesis (hamsters, frogs)
- ** R01CA-12141-04 Phenotypic analysis of chemical carcinogenesis (rats)
- PO2CA-12197-03 0028 Multidisciplinary oncology research center - Time-radiation dose relationship to biologic damage (rats)
- ** R01CA-12218-04 Pathogenesis of liver cancer (rats, guinea pigs)
- ** PO1CA-12227-04 0006 Core program in carcinogenesis - Carcinogenic process in the liver (rats, guinea pigs, mice)
- ** PO1CA-12227-04 0009 Core program in carcinogenesis - Sequential metabolic activation in carcinogenesis by aromatic amines and amides
- PO1CA-12227-04 0021 Core program in carcinogenesis - DNA replication (human, rats)
- ** PO1CA-12227-04 0022 Core program in carcinogenesis - Transfer of RNA methylation in carcinogenesis (rats)
- ** R01CA-12235-09 Nucleic acid methylating enzymes (mammals, human, E coli, viruses)
- ** R01CA-12338-03 Somatic cell genetics-Mutations and carcinogenesis (human, rodents)
- ** R01CA-12338-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
- ** R01CA-12340-03 Mechanism of transformation by oncogenic RNA viruses
- M PO1CA-12376-03 Environmental carcinogenesis
- ** PO1CA-12376-03 0002 Environmental carcinogenesis - Division of environmental toxicology
- PO1CA-12376-03 0004 Environmental carcinogenesis - Cancer of the kidney (human)
- PO1CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)
- PO1CA-12376-03 0006 Environmental carcinogenesis - Prostate cancer in Negroes
- PO1CA-12376-03 0007 Environmental carcinogenesis - Papillomas of the bladder (human)
- PO1CA-12376-03 0008 Environmental carcinogenesis - Large bowel polyps (human)
- PO1CA-12376-03 0009 Environmental carcinogenesis - Foreign investigation
- PO1CA-12376-03 0010 Environmental carcinogenesis - Breast and gynecological cancers (human)
- PO1CA-12376-03 0011 Environmental carcinogenesis - Relationship of exogenous estrogens to breast and genital cancers (human)
- PO1CA-12376-03 0012 Environmental carcinogenesis - Different types of cigarettes and various tobacco-related cancers (human)
- PO1CA-12376-03 0013 Environmental carcinogenesis - Estrogens and mammary cancer (human)
- PO1CA-12376-03 0014 Environmental carcinogenesis - Mammary receptor sites (rats)
- PO1CA-12376-03 0015 Environmental carcinogenesis - Dietary mammary cancer promotional factors (human)
- PO1CA-12376-03 0016 Environmental carcinogenesis - Transplantable mammary tumors (rats)
- PO1CA-12376-03 0017 Environmental carcinogenesis - Aryl hydrocarbon hydroxylase and skin carcinogenesis (mice)
- PO1CA-12376-03 0018 Environmental carcinogenesis - Reduced tumorigenicity of cigarette smoke (hamsters)
- PO1CA-12376-03 0019 Environmental carcinogenesis - Riboflavin deficiency in epithelial neoplasm (mice)
- ** PO1CA-12376-03 0020 Environmental carcinogenesis - Mammary gland carcinogenesis (rats)
- PO1CA-12376-03 0021 Environmental carcinogenesis - Tumor promoters (mice)
- ** PO1CA-12376-03 0022 Environmental carcinogenesis - Alkylated chrysenes and benzo (a) pyrenes
- PO1CA-12376-03 0023 Environmental carcinogenesis - Quantitative analysis of insecticides in adipose tissue (human)
- ** PO1CA-12376-03 0024 Environmental carcinogenesis - Role of smog in carcinogenesis (human, horses)
- R01CA-12410-04 Role of mitochondria and cancer (yeast, E coli)
- ** R01CA-12411-04 Post-transcriptional control in eukaryotic cells (rats)
- ** R01CA-12428-04 DNA repair and its relationship to carcinogenesis
- ** R01CA-12472-03 Molecular mechanism of viral (SV 40) carcinogenesis
- R01CA-12491-03 Viral induction of thymic lymphosarcomas in rats (also mice)
- ** R01CA-12513-04 Regulatory role of estrogen in hamster tumors
- ** PO1CA-12536-04 0001 Effects of small doses of ionizing radiation - Radiation carcinogenesis (rats)
- ** R01CA-12557-03 SV40-Genetic analysis and oncogenic transformation
- ** R01CA-12643-03 Genetically controlled malignant neoplasms (*Drosophila*)
- ** R01CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
- ** R01CA-12686-02 Differentiation during progression to malignancy (rabbits)
- R01CA-12699-03 Manipulation of proleukemic change in whole-body irradiated mice
- ** R01CA-12705-03 Replication and cellular transformation (chickens)
- ** R01CA-12711-03 Soluble mammalian RNA polymerase (mice, friend virus)
- ** R01CA-12759-03 Effect of environmental factors on ultraviolet injury (mice, rabbits)
- ** R01CA-12794-03 Viral gene function in malignant transformation (human)
- R01CA-12851-03 Embryonic and virally induced tumor cell membrane antigens (chickens, human)
- ** R01CA-12857-03 Function and interactions of mammary carcinoma cells (rats)
- R01CA-12859-03 Biological C-methylation reactions (Penicillium chrysium)
- ** R01CA-12906-03 Benzopyrene hydroxylase and carcinogenesis (mice)
- PO1CA-12923-02 0002 A correlated study on the biology of neoplasin - Stimulation of DNA synthesis by SV-40 (mice)
- ** PO1CA-12923-02 0020 A correlated study on the biology of neoplasin - Cellular populations evolving in neoplastic progression (human)
- PO2CA-12924-03 0034 Tufts cancer research center - DNA-dependent RNA polymerases in normal and malignant cells
- ** R01CA-12928-03 Epoxide hydrolase-Drug toxicity and carcinogenicity (guinea pigs, rats)
- R01CA-12929-03 Interrelationship between malignancy and immunity (mice)
- R01CA-12934-03 Tumorigenic potential in chromosome aberrations (human)
- R01CA-12948-03 Host range mutants of simian virus 40
- R01CA-12973-03 Tumor lipids-Metabolism and structural studies
- ** R01CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
- R01CA-13047-03 Control mechanisms of differentiation and malignancy
- R01CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- PO2CA-13053-03 0038 Clinical cancer radiation therapy research center - Cell and immunoglobulin mediated immunity (mice)
- ** R01CA-13061-03 Problems of membrane biology and oncogenesis
- ** R01CA-13066-03 Identification of viruses associated with human cancer (human, mice, guinea pigs)
- ** R01CA-13094-03 Oncogenic transformation and the cell envelope
- ** R01CA-13145-03 Glycolipid metabolism and tumorigenesis (human, mammals, birds, fish)
- ** PO2CA-13148-03 0021 Pilot cancer center - Possible role of coinheritance in cancer production
- ** PO2CA-13148-03 0022 Pilot cancer center - Silent chronic congenital infections in cancer production (humans)
- PO2CA-13148-03 0052 Pilot cancer center - Role of DNA repair in cancer biology (human)
- PO2CA-13148-03 0057 Pilot cancer center - Lymphoid leukemia model of malignancy (chickens)
- ** R01CA-13155-03 Early and critical events in chemical carcinogenesis (mice, rats)
- R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
- R01CA-13179-03 Role of altered nucleic acid in carcinogenesis (rats)
- R01CA-13208-03 Bladder cancer in Schistosomiasis haematobia (monkeys, hamsters, snails)
- R01CA-13213-03 Interactions between avian tumor viruses and their hosts
- ** R01CA-13253-03 The mechanism of tumorigenesis by A. tumefaciens
- R01CA-13261-03 Virus induction of nonviral mammary tumor antigens (mice)
- ** R01CA-13297-03 Drug-induced oncogenesis in autoimmune NZB/NZW mice
- M PO1CA-13330-03 Cancer research program
- ** PO1CA-13330-03 0044 Cancer research program - Genetic and immunologic factors in viral leukemogenesis (mice)
- ** PO1CA-13330-03 0047 Cancer research program - Role of viral infection and 3-methylcholanthrene in neoplastic response (mice)
- R01CA-13339-02 Host defenses against lymphoblastic leukemia (human, mice)
- ** PO1CA-13343-02 0004 Environmental cancer - Cytogenetics of carcinogenesis, mutagenesis and tumor reversion (mice)
- PO1CA-13343-02 0007 Environmental cancer - Inhibition of cancer by protease inhibitors and steroid hormones (rodents)
- ** PO1CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ** PO1CA-13343-02 0012 Environmental cancer - Experimental radiation skin carcinogenesis (rats, mice)
- ** R01CA-13347-03 Influence of the immune system on viral tumorigenesis (chickens)
- ** R01CA-13362-03 RSV functions involved in transformation
- ** R01CA-13370-03 RSV study on hydrocarbon radicals and carcinogenesis
- ** R01CA-13376-02 Hepatocarcinogenesis in culture (rats, human)
- ** R01CA-13394-02 Mechanism of viral carcinogenesis (human)
- ** R01CA-13408-03 Carcinogenesis and histone methylation (rats)
- R01CA-13437-02 Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals)
- ** R01CA-13478-03 Investigation of SV40-related infections of man

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01CA-13540-03 Cancer of the thyroid and its hormonal identity (human rats)
R01CA-13548-02 Controlled differentiation of tumor cells (mice)
- ** R01CA-13598-03 Interactions between DNA and skin-sensitizing coumarins (*Bacillus subtilis*)
- ** R01CA-13600-02 Pathology of chemical carcinogenesis (rats)
- ** R01CA-13609-03 Senescence, malignancy and membrane destabilization (human, mice, rats)
R01CA-13639-03 Biochemistry of chromosome function in man
- M P02CA-13696-02 Clinical cancer research center
** P02CA-13696-02 0001 Clinical cancer research center - Leukemia, lymphoma and myeloma (human)
P02CA-13696-02 0012 Clinical cancer research center - Lymphocyte reaction in cancer (human, rats, mice)
P02CA-13696-02 0013 Clinical cancer research center - Lymphocyte reaction in cancer (human)
** P02CA-13696-02 0020 Clinical cancer research center - Role of bacterial flora of intestine in carcinogenesis (human)
** P02CA-13696-02 0022 Clinical cancer research center - Tumorigenesis in primate ovaries and testes
P02CA-13696-02 0058 Clinical cancer research center - Neoplasia-Related project in progress (human)
P02CA-13696-02 0064 Clinical cancer research center - Fluorescent antibody studies (human)
** P02CA-13696-02 0065 Clinical cancer research center - Chromosomes and carcinogenesis (rats)
** P02CA-13696-02 0067 Clinical cancer research center - Carcinogenicity of dietary fats (rats)
- ** R01CA-13713-02 Transformation of cells in vitro (rats)
R01CA-13777-02 Potential of ergot alkaloids in control of breast cancer (mice, rats)
R01CA-13821-02 Carcinogen induced chromosome changes and transformation (rats)
- ** R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
R26CA-13859-03 Administration of the National Bladder Cancer Project
- ** R01CA-13881-02 Radiation in vitro-Mammary cell survival-Neoplasia (rats)
- ** R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- ** R01CA-13915-02 Liver cell differentiation and carcinogenesis (rats)
- ** R01CA-14036-02 Lymphoproliferation, reticulum cell hyperplasia, and genes
R01CA-14040-01 Influence of portacaval shunt on tumor growth (rats)
R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
** R01CA-14061-02 Chicken lymphocyte alloantigens and viral oncogenesis
** R01CA-14084-02 Role of carcinogen in nucleic acid metabolism (rats)
R01CA-14100-02 The viral etiology of cancer (mice, rats)
R26CA-14140-02 Administration of the National Colorectal Cancer Project
** R01CA-14146-02 Inhibition of chemical carcinogenesis by antioxidants (mice)
- ** R01CA-14158-02 Oximes and amine-mediated carcinogenesis (rabbits, rats)
R01CA-14170-02 Electronic aspects of carcinostatic mechanisms
- M P01CA-14193-02 Comparative leukemia studies unit
** P01CA-14193-02 0005 Comparative leukemia studies unit - Immunologic and genetic factors in bovine leukemogenesis
P01CA-14193-02 0006 Comparative leukemia studies unit - Leukemogenic activity of BLV
P01CA-14193-02 0008 Comparative leukemia studies unit - Immunological factors in growth of RadLV lymphoma (rats)
- M P01CA-14195-01 Core grant-Regulation, the cell membrane and cancer
P01CA-14195-01 0002 Core grant-Regulation, the cell membrane and cancer - Murine antibody synthesis-immune related tumors-immunobiology
P01CA-14195-01 0020 Core grant-Regulation, the cell membrane and cancer - Characterization of neurological tumors in mice and rats
R01CA-14228-02 Role of immunosuppression in radiation induced leukemia (mice)
R26CA-14241-02 Artificial sweeteners in bladder cancer (human)
- ** R01CA-14270-02 Immune surveillance in radiation carcinogenesis (mice)
R01CA-14318-01 Lysophospholipid metabolism of neoplasias (tissue culture)
- ** R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer
** R01CA-14466-02 Mechanism of aminoazo dyes carcinogenesis (rats)
R01CA-14496-02 Metal ion function in concanavalin A (beans)
** R01CA-14516-02 Genetics and biochemistry of tumor induction (bacteria, plants)
- P02CA-14520-02 0012 Wisconsin Clinical Cancer Center - Clinical investigation of therapy for solid tumors
** R26CA-14523-02 Urinary bladder carcinogenesis by bracken fern (cattle, rats, mice)
- ** R26CA-14524-02 Metabolic factors involved in bladder carcinogenesis (monkeys, rabbits, dogs, ro
M P01CA-14536-01 Cancer Institute core proposal
P01CA-14536-01 0041 Cancer Institute core proposal - Activation of helper activity in human neoplastic tissue
P01CA-14599-01 0032 University of Chicago Cancer Research Center - Immunological studies in ulcerative colitis (human)
R01CA-14617-01 Thiamine mediated formation of hydrazamic acids
** R26CA-14649-02 Role of indole in urinary bladder carcinogenesis (hamsters)
R01CA-14650-01 Experimental brain tumors-Developmental studies (rats)
- ** R01CA-14661-02 Actions of hydrocarbon carcinogens on cultured cells
** R01CA-14680-01 Role of mutagenesis in chemical carcinogenesis
R01CA-14680-01 Repair and replication of liver DNA in chemical carcinogenesis
** R26CA-14716-02 National prostatic cancer project
** R01CA-14777-01 Analysis of host response to tumor oncogenesis (mice)
** R01CA-14826-02 Quantitative study of carcinogenesis by hydrocarbons (mice)
** R01CA-14827-01 The effects of thymectomy in oncogenesis in humans
M R01CA-14828-01 Molecular mechanisms in carcinogenesis
** R01CA-14828-01 0001 Molecular mechanisms in carcinogenesis - in vitro transformation of mammary cells
** R01CA-14904-02 The role of the hyperplastic liver nodule in carcinogenesis (rats)
** R26CA-14905-02 Glycoprotein metabolism in colonic neoplasia (human, rats)
** R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
** R01CA-14914-01 Lipids in cancerogenesis (rats)
R26CA-14919-02 The etiology of large bowel cancer (human, rats)
** R01CA-14935-02 Cellular alteration induced by Rous sarcoma virus
** R01CA-14955-02 Follow-up study of thorotrast patients
** R01CA-14668-01 Synthesis of polynuclear aromatic hydrocarbons
** R01CA-14991-02 Renewal of premalignant and malignant intestinal cells (human, hamsters)
** R01CA-15006-01 Chemistry of nonbenzenoid aromatic molecules
** R01CA-15030-01 Mode of action of chemical carcinogenesis
** R01CA-15082-01 Metabolism of potential carcinogens
** R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
R01CA-15089-01 Chemical carcinogenesis in vitro (hamsters, human, mice)
** R01CA-15095-01 Cocarcinogenic agents in chemical carcinogenesis (mice)
R01CA-15111-01 Pharmacology and biochemistry of the oncogen, diacene
R01CA-15135-01 Histones in cell differentiation and carcinogenesis (mice, rats, human)
** R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
- ** P02CA-15145-01 0019 Cancer center support grant - Cell surface changes during in vitro carcinogenesis
P02CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)
** P02CA-15145-01 0028 Cancer center support grant - Molecular mechanisms of chemical carcinogenesis at nuclear level (rats)
** R01CA-15162-01 Mechanisms of hydrocarbon carcinogenesis in rats
P01CA-15184-01 Pretherapeutic use of accelerated heavy ions (mammals)
** R01CA-15189-01 DNA repair and carcinogenesis (rodents)
R01CA-15205-01 Hydrocarbon-induced malignant transformation in vitro
** R01CA-15208-01 Somatic mutation and chemical carcinogenesis (hamsters)
R01CA-15222-01 Chemistry and metabolism of hepatoma alpha fetoprotein (rats)
** R01CA-15233-01 An in vitro model of carcinogenesis of pancreas (organ culture)
** R01CA-15270-01 Metabolic characteristics of chemical carcinogenesis (rats)
** R01CA-15274-01 Mechanism of oncogenesis by purine derivatives
** R01CA-15281-01 Oncogenicity of Epstein-Barr virus (human, monkeys)
** R01CA-15322-01 Oncogenesis in congenitally athymic mice
** R01CA-15338-01 Membrane specificities related to neoplasia (mice)
R01CA-15362-01 Polyamine metabolism in mammary
- ** R01CA-15369-01 Immunobiology of viral leukemia and its treatment (mice)
R01CA-15372-01 Immunotherapy of cancer with lymphoid extracts (human, mice, guinea pigs)
** R26CA-15400-02 Mechanism of action of colon carcinogenesis (rodents)
R26CA-15405-01 Transmissible murine colonic hyperplasia
R01CA-15423-02 Polar corticoids in guinea pigs and cancer (also human, rats, mice)
** R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
R26CA-15479-02 LDH isozymes and chromosomes in bladder carcinoma (rats, human)
R01CA-15512-01 RNA tumor virus structure and biogenesis
** R26CA-15563-01 Tumor-specific immunity in bladder cancer (human)
R01CA-15574-01 Hypothalamic-pituitary function and mammary neoplasia
** R01CA-15579-01 Tumor virus DNA replication-A probe into oncogenesis
** R01CA-15605-01 Chemotherapeutic agents and ultraviolet carcinogenesis (mice)
** R01CA-15622-01 Endocrinology of experimental ovarian tumors (parabiotic rats)
** R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
R26CA-15639-01 Transplantable chemically induced colon cancer in rats
R26CA-15640-01 Urinary bladder tumorigenesis (dogs, rabbits, human)
** R01CA-15643-01 Leukemogenesis and cellular immunity (viruses, mice)
** P01CA-15655-01 0009 Cancer center support grant - Genetic studies in cancer (human, animals)
** P01CA-15655-01 0010 Cancer center support grant - Metal carcinogenesis in model plant systems
** P01CA-15655-01 0011 Cancer center support grant - Nitrite and secondary amine levels in Japanese diets
** R01CA-15656-01 Carcinogenic action of estrogens in primates
** P01CA-15704-01 0003 Cancer center support grant - Chemical carcinogenesis (rats, tissue culture)
** R01CA-15722-01 Viral genes in malignant transformation
R01CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
** R01CA-15784-01 Human macrophages and other cells in carcinogenesis (human)
** R01CA-15785-01 Metabolic activation of chemical carcinogens
** R01CA-15808-01 Genetic markers, leukemogenesis and thymic function (mice, rabbits)
P01CA-15823-01 0005 Program in developmental biology of cancer - Lysis of basement membranes in neoplastic tissues (mice)
** R01CA-15859-01 Cellular events in chemical carcinogenesis (rats, xenopus laevis)
R01CA-15865-01 Inhibition of melanomas by cell walls and lipids (mycobacterium, mice)
** R01CA-15874-01 Enzymatically generated singlet oxygen in carcinogenesis
** R01CA-15905-01 Ribosomal RNA synthesis in normal and cancer cells
R01CA-15911-01 Nutrition and chemical carcinogenesis (rats)
R26CA-15945-01 Studies on experimental bladder tumors (rats)
** R26CA-15962-01 Effects of sex on colon carcinogenesis (mice)
** R26CA-15969-01 Hydrocarbon metabolizing enzymes and colon cancer (human, rats)
** R01CA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
** R01CA-16065-01 Chemical carcinogenesis in the colon (mice)
** R01CA-16149-01 Role of prolactin in breast and prostate cancer (human)
** R01CA-16182-01 Chemical carcinogenesis-Cause and prevention
** R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
** P01CA-16246-01 0004 Integrated tumor biology program - Genetics of tumor induction by Rous virus (mice)
** R01CA-16265-01 Cytochrome P450 in carcinogenesis and steroid synthesis (rats, cattle)
** R01CA-16299-01 Mutagenic alterations in nucleic acid structure
** R01CA-16311-01 Membrane fucosylglycolipids in virus-induced cancer (mice)
** R01CA-16319-01 Method for examining viral DNA changes for mutagenic and carcinogenic effects
** R01CA-16352-01 Methylchrysenes-New probes for mechanism of carcinogen
P01CA-16359-01 0024 Cancer center support grant - Mammary developmental biology
** R26CA-16370-01 Chemical carcinogenesis of the colon (rats)
** R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- R18CA-16400-01 0004 Cancer control development grant - Epidemiology (human)
- ** R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
- ** R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
- ** R26CA-16765-01 Biochemical mechanisms in experimental bladder cancer (rats, rabbits)
- R01CA-16936-01 Relationship between tRNA modification and cell growth (E coli, rats)
- R01CA-16946-01 Defective DNA in Fanconi's anemia (human)
- R01CA-17099-01 Factors in canine mast tumor implantation and growth (beagles)
- ** NO1CB-02320-07 Immunological studies of murine RNA oncogenic viruses (rats)
- NO1CB-33920-02 Determine role of prostaglandins in normal and abnormal mammary glands (mice)
- NO1CB-43997-00 Humoral or cellular immunologic responses
- ** NO1CB-92142-13 Transplantation and preservation of plasma cell tumors in mice
- ** NO1CM-22062-05 Procurement of embryonic cell lines with variable growth rates (mice, rats)
- ** NO1CN-45124-03 Genital tract anomalies and cancer in fetus to synthetic estrogens (human)
- NO1CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- ** NO1CP-02068-09 Viruses and chemicals in the etiology of cancer (rodents, dogs, cats, human)
- ** NO1CP-02199-08 Services in support of carcinogenesis bioassays (rodents)
- ** NO1CP-02210-08 Carcinogenesis bioassay of pesticides (mice, rats)
- NO1CP-02217-04 Aspects of enzyme induction relative to lung cancer (human, hamsters, mice)
- NO1CP-12148-03 Develop lung tumor model with large wild hamsters
- ** NO1CP-12164-08 Interaction between chemical and viral carcinogens (hamsters)
- ** NO1CP-12310-06 Colon carcinogenesis (rodents)
- ** NO1CP-12324-04 Premalignant lesions in the large intestine
- ** NO1CP-22063-03 Preparation and examination of experimental biological material (rats)
- ** NO1CP-23206-02 Histogenesis of renal carcinoma (human, mammals)
- ** NO1CP-23234-02 Development of a tissue culture transformation system (rats)
- NO1CP-23238-03 Effects of uptake and excretion of carcinogens on the prostate (rats, dogs)
- ** NO1CP-23252-04 Carcinogenic bioassay of environmental chemicals (mice, rats)
- ** NO1CP-23253-01 Carcinogenesis bioassay of environmental chemicals (rats)
- ** NO1CP-23278-04 Bioassay of environmental chemicals
- ** NO1CP-23284-03 Enhanced induction of guinea pig pancreatic adenocarcinoma
- ** NO1CP-23286-03 Study of late effects of cancer therapy
- ** NO1CP-23287-02 Induction of adenocarcinoma of the prostate
- ** NO1CP-23297-03 Carcinogenesis of the pancreas (dogs, rabbits)
- ** NO1CP-23302-06 Carcinogenesis bioassay data system support
- ** NO1CP-23303-04 Temperature sensitive mutants in vitro carcinogenesis
- ** NO1CP-33200-03 Induction of malignant melanomas in guinea pigs
- ** NO1CP-33214-03 Carcinogenicity of chemotherapeutic agents and related chemicals (rats, mice)
- NO1CP-33224-01 Collection of human specimens for virologic and immunologic studies
- ** NO1CP-33238-02 Interactions between diet and chemical carcinogenesis (rats)
- ** NO1CP-33247-04 Oncogenesis of herpesvirus and C-type viruses (human, mammals nonhuman)
- NO1CP-33255-02 Natural occurrence of RNA tumor viruses-genomes (mice)
- ** NO1CP-33260-04 Studies on pulmonary carcinogenesis (rats, hamsters)
- ** NO1CP-33262-01 Biochemical and morphological components of hepatic carcinogenesis
- ** NO1CP-33273-01 Factor influencing experimental respiratory carcinogenesis (mammals nonhuman)
- ** NO1CP-33283-02 Search for hybridizable tumor virus DNA in tissues from cancer patients
- ** NO1CP-33287-01 Definition of sensitivity of carcinogenesis bioassay systems (mice)
- NO1CP-33307-01 Etiology of medulloblastoma and other brain tumors (mice, rats)
- ** NO1CP-33311-02 Molecular basis of viral carcinogenesis (chick embryo, human, mammals)
- NO1CP-33326-03 Epidemiology and etiology of breast cancer
- ** NO1CP-33364-01 Polycyclic hydrocarbon metabolism in respiratory tract
- NO1CP-33405-01 Carcinogenesis and control of the cell cycle
- ** NO1CP-43209-00 Viruses in cancer etiology (human, mammals nonhuman)
- ** NO1CP-43218-00 Cancer and chronic diseases virologic laboratory workers
- ** NO1CP-43222-00 Activation of C-particles and induction of cancer
- ** NO1CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
- ** NO1CP-43229-00 Carcinogenesis by radiation plus estrogen (rats)
- ** NO1CP-43241-00 Virus-induced tumor specific transplantation antigens (mice)
- ** NO1CP-43253-00 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- ** NO1CP-43257-00 Carcinogenesis bioassay data system operational support
- NO1CP-43265-01 Toxicity and carcinogenicity associated with fungus growth on food stuffs
- ** NO1CP-43267-00 Carcinogenesis bioassay of pesticides (mice, rats)
- ** NO1CP-43271-00 UV photocarcinogenesis (mice)
- ** NO1CP-43274-00 Carcinogenesis in human bronchial tissues
- ** NO1CP-43281-00 Premalignant lesions in the large intestine
- ** NO1CP-43288-00 Animal pathology support
- ** NO1CP-43300-00 Animal pathology support
- ** NO1CP-43302-00 Carcinogenesis bioassay dose response study
- ** NO1CP-43317-00 Definition of sensitivity of carcinogenesis bioassay systems (mice)
- ** NO1CP-43320-00 Mouse dermal bioassays of cigarette smoke condensates
- ** NO1CP-43350-02 Bioassay prime contract
- ** NO1CP-43378-00 Colon carcinogenesis (rodents)
- ** NO1CP-45600-00 Determining the effect of chronic immunosuppression (mice)
- ** NO1CP-45615-01 In vitro interaction between chemical and viral carcinogens
- ** NO1CP-45618-00 Conference for physical and chemical carcinogenesis
- ** NO1CP-45623-00 Development and application of methods of N-nitroso compounds
- ** NO1CP-51029-14 Carcinogenicity of fungal mycotoxins
- NO1CP-81030-11 Etiology and epidemiology of human cancer
- ** NO1CP-92014-07 Virus-induced tumor specific transplantation antigens (mice)
- ** NO1CP-92083-07 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- ** P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (hamsters)
- P13DE-02623-08 0024 Center for oral health research - Replication of herpes simplex virus (type 1 oral) in synchronized mammalian cell
- ** R01DE-03565-01 Oral carcinogenic actions of betel nut and tobacco
- ** R01DE-71475-10 Study of betel quid carcinogenesis (baboons)
- ** P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
- ** P10ES-00260-12 0024 Research in the environmental health sciences - Dose-response and kinetics of tumor formation (mice)
- R01ES-00263-09 Biological and toxic effects of cyclopropanols (fish, rats, mice)
- P01ES-00269-08 0003 Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
- ** P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- R01ES-00463-05 Carcinogenic activity of toxigenic Panichium (rodents, fungi)
- R01ES-00505-08 Correlation of carcinogenicity and mutagenicity (yeast, viruses, rodents, human)
- ** R01ES-00826-02 Function of lead in tumorigenesis (mice, rats)
- ** P10ES-00928-01 0010 Environmental agents-Relation to human health effects - Surface interactions between Gross leukemia virus and asbestos
- ** P10ES-00928-01 0011 Environmental agents-Relation to human health effects - Carcinogenicity of isoniazid (human)
- P10ES-00928-01 0022 Environmental agents-Relation to human health effects - Low-level trace metal and carcinogenic hazard in humans
- R13ES-01071-01 Conference of toxicity of environmental chemicals
- ** R01FD-00634-11 Neoplasms in irradiated human populations
- R01GM-10525-11 and biology
- R01GM-12862-10 Effects of structure on biological mechanisms
- ** R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
- P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
- R01GM-17421-05 Role of tRNA in cell regulatory mechanisms (bacteria, mammals)
- P01GM-17702-05 0010 Human biochemical genetics - Transformation and transfection of mammalian cells in vitro
- ** R01GM-18684-03 Genetic analysis of complex infirmitates (mice, human)
- ** R01GM-19331-01 Chromosome and gene activity in Sciaridae (gnats)
- P01GM-19513-03 0017 Human genetics - Fish-hybrid melanoma control, a cancer genetics model (platyfish, swordtail)
- P01GM-19513-03 0019 Human genetics - Nature of germinal and somatic mutations in cancer
- R01GM-19807-02 0001 Membrane permeability as a regulatory element - Glycolytic control (plants, fungi)
- R01GM-19807-02 0002 Membrane permeability as a regulatory element - Ripening triggers in relation to ethylene production (plants)
- R01GM-19807-02 0007 Membrane permeability as a regulatory element - Effect of ethylene on glycolysis (mammals)
- R01GM-20080-02 Photooxidation in model biological systems
- R01GM-20111-02 Role of transfer RNA in the control of cell division (rats)
- P01HD-05797-04 0018 Population and reproductive biology - Alterations of nucleolar and extranucleolar RNA polymerase (rats, chickens)
- ** R01HD-07708-01 Immune system stem cells-in ontogenesis and aging (mice)
- ** NO1HD-42800-00 Study risks for cancer among users of oral contraceptives
- R01MS-11457-02 Pathogenesis of CNS autoimmune disorders (human, mice)
- ** NO1MS-22306-03 Herpes virus induction of cervical cancer in the Cebus monkey
- R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
- R01OH-00465-03 Current trends in survivorship of radiologists (human)
- P06RR-00165-14 Support of the Yerkes Regional Primate Research Center
- P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- ** S06RR-08061-03 Biomedical research improvement program (Texas Southern University) (human)
- S06RR-08073-03 Growth control of cells, fundamental biologic studies (Univ Hawaii)

NEOPLASTIC TRANSFORMATION, CARCINOGENS

- SEE ALSO GENETICS, MUTAGENS
SEE ALSO NEOPLASMS, RADIATION INDUCED
SEE ALSO PLANTS EXTRACTS
SEE ALSO VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)
- R01AI-09807-05 Cellular basis of delayed type hypersensitivity (human, rodents)
- R01AI-11471-02 Antigen expression on tumor cells (mice)
- R01AI-11516-01 Frameshift mutagenesis in Salmonella typhimurium
- P01AI-11576-02 0003 Lymphocyte biology - Genetic and serologic aspects of virus-lymphocyte interactions (mice)
- R01AM-03846-15 Structure and function in liver injury (human, rats)
- R01AM-10339-09 Kinases, desaturases, and hydroxylases (bacteria, yeast, rabbits)
- R01AM-13195-05 Carbon tetrachloride hepatotoxicity (rats, guinea pigs)
- ** R01AM-13531-05 Metabolism of cortisol in liver (rats)
- R01AM-16737-12 Hemolytic anemias in childhood (human, animals)
- P17AM-17702-01 0011 Hepatitis cirrhosis center - Hepatic disposition of drugs and other xenobiotics (rats)
- M R01CA-02571-20 Mechanism of action of carcinogenic aromatic amines
- ** R01CA-02571-20 0005 Mechanism of action of carcinogenic aromatic amines - Protein modification by activated carcinogens
- ** R01CA-02571-20 0006 Mechanism of action of carcinogenic aromatic amines - Tritiation of carbon atom-9 fluorenylhydrazonic acids
- ** R01CA-02571-20 0007 Mechanism of action of carcinogenic aromatic amines - Liquid-liquid chromatography of N-hydroxy-2-FAA (rats)
- R01CA-02931-17 Studies in heterocyclic synthesis
- ** R01CA-03983-16 Free radicals in physiological and pathological processes (rats)
- R01CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- ** R01CA-05310-14 Mechanism of action of beta-3TA (mice)
- P01CA-05388-15 0002 Biology of mammary neoplasia - Non-viral mammary cancer (mice)
- R01CA-05671-14 0015 Glucocorticoid receptors in normal and malignant tissue - Carcinogens and glucocorticoid receptors in liver
- ** R01CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
- P02CA-05826-13 0087 Clinical cancer research center - Pediatric oncology-neuroblastoma

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- P02CA-05831-13 0042 Cancer clinical research - Genetic variation in enzymes which modify chemical carcinogens
- ** R01CA-05985-13 0001 Stages of carcinogenesis of the cervix uteri in mice - Promoting effect of enovid on cervical carcinoma (mice)
- R01CA-06081-13 0001 Ultrastructural pathology - Exocrine pancreas differentiation (rats)
- R01CA-06081-13 0006 Ultrastructural pathology - Effect of urethane on cell proliferation in mouse lung
- R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- P01CA-06927-12 0006 Biological and biochemical program in cancer research - Synthesis of cancer chemotherapeutic agents (rabbits, mice, rats)
- ** P02CA-06973-12 0019 Integrated clinical cancer research program - Biochemical virology-Viral detection studies (human, mice)
- P01CA-07175-11 0003 Cancer research at the McArdle laboratory - Carcinogenesis in organ culture (mice)
- P01CA-07175-11 0008 Cancer research at the McArdle laboratory - Reactions involved in carcinogenesis by chemicals (rats)
- ** R01CA-07394-10 Synthesis and separation of carcinogenic compounds
- ** R01CA-07803-11 Biologically-active fatty acid derivatives
- R01CA-08128-09 Effects of alkylation on DNA (bacteria)
- R01CA-08231-10 0006 Radiobiology research program - Ozone as a mutagen in vivo and in vitro (hamsters)
- ** P01CA-08748-09 5403 Research program of Sloan-Kettering Institute - Oncogenic effect and structure of purine N-oxides (rats)
- P01CA-08748-09 5702 Research program of Sloan-Kettering Institute - Chemical studies of N-hydroxypurines
- ** P01CA-08748-09 5703 Research program of Sloan-Kettering Institute - Photochemistry of purine N-oxides in oncogenesis
- ** P01CA-08748-09 6913 Research program of Sloan-Kettering Institute - Effect of non-viral oncogenic agents on cells (hamsters)
- P01CA-08748-09 7409 Research program of Sloan-Kettering Institute - Mutagenesis by purine-N-oxide derivatives on *Bacillus subtilis* DNA
- ** P01CA-08748-09 7602 Research program of Sloan-Kettering Institute - Hepatoma induced by methylazoxymethanol acetate (rats)
- ** P01CA-08748-09 7608 Research program of Sloan-Kettering Institute - Mechanisms of malignant transformation by chemical agents (rats, mice)
- P01CA-08748-09 7609 Research program of Sloan-Kettering Institute - Culturability of cells treated in vivo with carcinogens (rats)
- ** R01CA-08936-08 Effect of chemical carcinogens on cells in vitro (human, rodents, viruses)
- R01CA-09599-16 0001 Histochemical and quantitative studies of neoplasia - Benzpyrene hydroxylase activity after chronic exposure to benzpyrene (mice)
- ** R01CA-09599-16 0002 Histochemical and quantitative studies of neoplasia - Induction of polycyclic hydrocarbon hydroxylase and carcinogenesis (mice)
- ** R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- R01CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- R01CA-10537-05 RES function, tumor induction and growth (mice)
- ** R01CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
- R01CA-10729-07 Induction-Characterization-Minimal deviation hepatomas (rats)
- P01CA-10748-07 0012 Cancer chemotherapy program - Metabolism (rats)
- P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poikilothermic vertebrate cells or viruses
- ** P01CA-10815-06 0041 Consolidated basic cancer research program - Identify carcinogenic metabolites of chemical carcinogens (mammals)
- ** P01CA-10815-06 0043 Consolidated basic cancer research program - Interrelationship between chemical carcinogens and RNA tumor viruses (rats, mice)
- P01CA-10815-06 0044 Consolidated basic cancer research program - Effects of chemical carcinogens on tumor viruses (rodents)
- ** P01CA-10893-06 0006 Cancer Research Center - Preneoplastic mammary lesions (mice)
- ** R01CA-10935-12 Steroid hormone metabolism and tumorigenic action (mice)
- R01CA-10977-10 ESR studies of biological free radical mechanisms (rodents)
- R01CA-11185-06 Synthesis and chemistry of diazo compounds
- R01CA-11322-06 Nucleic acid function in relation to cancer (E cell, animals)
- R01CA-11479-05 Nuclear pathology and molecular carcinogenesis (mice)
- ** R01CA-11526-05 The tumor-inducing substance of *Agrobacterium tumefaciens*
- R01CA-11537-04 Molecular structure of biological interest compounds
- ** R01CA-11603-05 Hormone-induced regression of cancers (rats)
- ** R01CA-11939-03 Chemical carcinogenesis and mammalian DNA replication (mice, hamsters)
- ** R01CA-11944-04 Chemical carcinogenesis of mouse mammary glands (mice)
- ** R01CA-11948-03 The relation of tRNA to oncogenesis
- R01CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- R01CA-12122-02 Vitamin A acid localization in the keratocanthoma (rabbits)
- R01CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
- P01CA-12227-04 0008 Core program in carcinogenesis - Enzymatic induction by corticosteroids (rats)
- ** P01CA-12227-04 0012 Core program in carcinogenesis - Ultrastructural study of hepatic cell nucleoli (rats, guinea pigs)
- ** P01CA-12227-04 0013 Core program in carcinogenesis - Synthesis of carcinogenic compounds
- P01CA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
- P01CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
- R01CA-12316-04 Alkylation of polynucleotides in vitro and in vivo
- R01CA-12338-03 Somatic cell genetics-Mutations and carcinogenesis (human, rodents)
- R01CA-12411-04 Post-transcriptional control in eukaryotic cells (rats)
- R01CA-12428-04 DNA repair and its relationship to carcinogenesis
- R01CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
- R01CA-12538-03 Cancer-Cell regulation and DNA repair (human, cattle, bacteria)
- P01CA-12707-03 0006 Cancer epidemiology program grant - Record linking (human)
- ** R01CA-12717-03 The interaction of 4NQO and DNA (*Bacillus subtilis*)
- ** R01CA-12763-03 Mutation repair and environmental carcinogens
- R01CA-12765-03 Role of nuclear proteins in the neoplastic process (mice, rats)
- R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- ** R01CA-13007-03 Human wart virus as an oncogenic agent
- P01CA-13038-03 0046 Experimental therapeutics and cancer drug program - 3-methylcholanthrene and glucuronide synthesis in perfused rat liver
- R01CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- ** R01CA-13058-03 Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)
- ** R01CA-13080-03 Comparative carcinogenicity of tritium (mice)
- ** R01CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
- R01CA-13141-03 Granulopoiesis in malignant and benign human diseases (human)
- ** R01CA-13206-03 Pharmacology of repressible mixed-function oxidases (rats, guinea pigs)
- R01CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
- R01CA-13288-01 Carcinogen potential of the pyrrolizidine alkaloids
- ** P01CA-13330-03 0027 Cancer research program - Hepatic excretion mechanisms for drugs and carcinogens
- P01CA-13330-03 0047 Cancer research program - Role of viral infection and 3-methylcholanthrene in neoplastic response (mice)
- ** P01CA-13343-02 0001 Environmental cancer - Natural product carcinogens (plants, rats)
- ** P01CA-13343-02 0002 Environmental cancer - Comparative metabolic studies of carcinogens (rodents, monkeys)
- ** P01CA-13343-02 0003 Environmental cancer - Etiology in carcinogenesis-Chemical and viral agents in cell culture systems
- ** P01CA-13343-02 0005 Environmental cancer - Interactions of carcinogens and cocarcinogens with cell membranes (mammals)
- P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- ** P01CA-13343-02 0008 Environmental cancer - Mutagenicity of environmental carcinogens (mice T4)
- ** P01CA-13343-02 0009 Environmental cancer - Mitoch, DNA as test system for chemical carcinogens and mutagens (rats, yeasts)
- ** P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
- ** P01CA-13343-02 0013 Environmental cancer - Experimental liver neoplasms (rats)
- P01CA-13343-02 0014 Environmental cancer - Assay of genetic damage and cellular proliferation (rodents)
- ** P01CA-13343-02 0015 Environmental cancer - Toxicology-Mouse population studies
- ** P01CA-13343-02 0016 Environmental cancer - Biomathematics-Kinetics of tumor formation (mice)
- ** P01CA-13343-02 0020 Environmental cancer - Computer model for calculating lung tissue dose from inhaled carcinogens (human)
- ** P01CA-13343-02 0021 Environmental cancer - Toxicology-Dosimetry and particulate carcinogens (human)
- R01CA-13344-03 Repair synthesis of DNA in precancerous rat liver
- ** R01CA-13377-02 Immunological prevention of leukemia induction (mice)
- R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
- R01CA-13408-03 Carcinogenesis and histone methylation (rats)
- R01CA-13464-03 Photochemical reactions related to skin cancer (mice)
- P02CA-13525-03 0013 Program for treatment of malignant brain tumors - Isolation and purification of virus-like particles (hamsters)
- ** P02CA-13525-03 0014 Program for treatment of malignant brain tumors - Ultrastructure of methyl nitrosourea-induced rat glioma
- P02CA-13596-02 0009 Clinical cancer research center - Organ culture of breast cancer tissue (human)
- R01CA-13776-02 S-adenosylmethionine analogs as antitumor agents (mice, rats)
- ** R01CA-13784-02 Effect of cocarcinogens on cellular membranes
- ** R01CA-13811-02 Disability and mortality as measures of cancer (human)
- ** R01CA-13821-02 Carcinogen induced chromosome changes and transformation (rats)
- ** R01CA-13986-01 Immunologic prevention of chemically-induced cancer (rats)
- R01CA-14084-02 Role of carcinogen in nucleic acid metabolism (rats)
- ** R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
- ** R01CA-14162-01 Carcinogen interactions in regenerating liver (rats)
- P01CA-14193-02 0009 Comparative leukemia studies unit - Detection of RadLV or genome in lymphoma (tissue culture, rats)
- P01CA-14195-01 0012 Core grant-Regulation, the cell membrane and cancer - Hepatocellular growth regulation by serum factors (cattle, rats)
- P01CA-14195-01 0020 Core grant-Regulation, the cell membrane and cancer - Characterization of neurological tumors in mice and rats
- ** R01CA-14211-01 Interaction on oncogenic agents with cell membranes (rats)
- R01CA-14231-03 Role of metabolism in biliary excretion of drugs (rats)
- R26CA-14241-02 Artificial sweeteners in bladder cancer (human)
- R01CA-14260-02 Carcinogenic mycotoxin formation in refrigerated food
- ** R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- R01CA-14312-01 Hepatocellular growth-In vitro system (rats)
- ** R01CA-14387-02 Organ cultures and carcinogens (human, animals)
- ** R01CA-14397-02 Carcinogen-transfer RNA interactions
- R01CA-14447-02 Cell membrane interrelationships in human cancer (and mice)
- ** R01CA-14500-02 Biologically significant polycyclic derivatives
- ** R26CA-14523-02 Urinary bladder carcinogenesis by bracken fern (cattle, rats, mice)
- ** R26CA-14524-02 Metabolic factors involved in bladder carcinogenesis (monkeys, rabbits, dogs, ro)
- P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
- P01CA-14599-01 0039 University of Chicago Cancer Research Center - CNS carcinogenesis and development of animal models (rats, mice)
- ** R26CA-14649-02 Role of indole in urinary bladder carcinogenesis (hamsters)
- R01CA-14710-02 Irreversibility of latent tumor cells (mice)
- ** R01CA-14784-01 Carcinogen effects on nuclear proteins (rats)
- R01CA-14799-01 Role of a human cell endonuclease in repair of DNA
- R01CA-14828-01 0001 Molecular mechanisms in carcinogenesis - In vitro transformation of mammalian cells
- R01CA-14828-01 0005 Molecular mechanisms in carcinogenesis - RNA-instructed DNA polymerases and other nucleic acid polymerases (rats)
- R01CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- ** R01CA-14874-01 Pulmonary carcinogenesis in fetal and neonatal lung (mice)
- R26CA-14906-02 Enzymes of normal and malignant intestinal mucosa (rats, human)
- R01CA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
- R01CA-14912-09 Syntheses of elaiomyacin and other azoxyalkanes

(contd)

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- ** R01CA-14920-02 Acidic chromatin proteins and carcinogens (rats, chickens)
 ** R01CA-14922-01 Transplantation and genetic expression (mice)
 ** R26CA-14927-02 Environmental bladder carcinogens (human)
 R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
 R26CA-14957-02 Immunology of urinary bladder cancer of the dog
 ** R01CA-14988-01 Polycyclic carcinogen-nucleic acid interactions
 R01CA-15010-01 Bioassay-in vitro models of human chemo-oncogenesis (human, rodents)
 ** R01CA-15028-01 Electrochemical analysis for carcinogenic nitrosamines
 R26CA-15033-02 Hamster model for human bladder cancer
 R01CA-15044-01 Pathogenetic determinants of human CNS tumors
 ** R01CA-15050-01 Potential carcinogenicity of cannabis (mice, rats)
 ** R01CA-15064-01 Immunochemical studies on carcinogenic mycotoxins (rodents)
 ** R01CA-15095-01 Cocarcinogenic agents in chemical carcinogenesis (mice)
 ** R01CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
 R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
 ** P02CA-15145-01 0025 Cancer center support grant - Hemoprotein-oxygen interactions-Mechanism chemical carcinogen activation
 ** P02CA-15145-01 0037 Cancer center support grant - Role of indole in urinary bladder carcinogenesis (hamsters)
 R01CA-15189-01 DNA repair and carcinogenesis (rodents)
 ** R01CA-15260-01 Carcinogen metabolism by host intestinal bacteria (rats)
 ** R01CA-15276-01 Induction and culture of EGF-dependent skin tumors (mice)
 R01CA-15287-01 Effect of colomoni on chemical carcinogenicity (rats)
 R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
 ** R26CA-15315-02 0001 Control of bladder cancer - Method for environmental carcinogen detection (dogs, monkeys, rodents, bacteria)
 R01CA-15322-01 Oncogenesis in congenitally athymic mice
 ** R01CA-15344-01 Pulmonary metabolism of benzo(a)pyrene (rabbits)
 R01CA-15372-01 Immunotherapy of cancer with lymphoid extracts (human, mice, guinea pigs)
 R01CA-15385-01 Mechanism of antitumor effect of portacaval shunt (rats)
 R26CA-15400-02 Mechanism of action of colon carcinogenesis (rodents)
 R26CA-15405-01 Transmissible murine colonic hyperplasia
 ** R01CA-15408-01 Report on current plant remedies of Middle America
 R26CA-15412-02 Diagnosis and treatment of bladder cancer in mice
 R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
 R01CA-15450-02 0001 Mutation in diploid human somatic cells - In vitro mutant somatic cell detection (human)
 R26CA-15479-02 LDH isozymes and chromosomes in bladder carcinoma (rats, human)
 R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
 R26CA-15638-01 Inhibition of neoplasia of the large bowel (rats)
 R26CA-15639-01 Transplantable chemically induced colon cancer in rats
 ** R26CA-15640-01 Urinary bladder tumorigenesis (dogs, rabbits, human)
 ** P01CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)
 P01CA-15655-01 0016 Cancer center support grant - ESR studies of membrane organization
 ** P01CA-15704-01 0003 Cancer center support grant - Chemical carcinogenesis (rats, tissue culture)
 ** P01CA-15704-01 0004 Cancer center support grant - Oncologic organic chemistry
 ** R01CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
 ** R01CA-15785-01 Metabolic activation of chemical carcinogens
 R01CA-15802-01 Crystalline complexes of RNA with small molecules (yeast)
 P01CA-15822-01 0001 Immunobiology of normal and neoplastic lymphocytes - Immunobiology of T lymphocytes (rats)
 P01CA-15823-01 0009 Program in developmental biology of cancer - Membrane changes in neoplastic transformation (hamsters)
 ** R01CA-15897-01 Aryl hydrocarbon hydroxylase induction in rat kidney
 ** R26CA-15945-01 Studies on experimental bladder tumors (rats)
 R26CA-15950-01 Case-control bladder tumor morbidity study (human)
 R26CA-15969-01 Hydrocarbon metabolizing enzymes and colon cancer (human, rats)
 R01CA-15988-01 Immuno surveillance and cancer (mice)
 ** R01CA-16031-01 Binding of chemical carcinogens in the lung (rats, human)
 ** P01CA-16127-01 0017 Cancer Research and Treatment Center Program - Metabolism of benzo(a)pyrene (human, laboratory animals)
 R01CA-16164-07 Anti-tumor immunity in agammaglobulinemic inbred fowl (chickens)
 R01CA-16201-01 Lung cancer model for surgical research (dogs)
 R01CA-16299-01 Mutagenic alterations in nucleic acid structure
 R01CA-16311-01 Membrane fucosylglycolipids in virus-induced cancer (mice)
 P01CA-16359-01 0018 Cancer center support grant - Hepatic mitochondria in hepatic endoplasmic reticulum oxidation
 ** P01CA-16359-01 0020 Cancer center support grant - The hepatocarcinogen urethan
 P01CA-16359-01 0035 Cancer center support grant - Effects of chronic graft-versus-host disease (mice)
 P01CA-16359-01 0037 Cancer center support grant - Lymphocyte trapping in early immune response
 R26CA-16370-01 Chemical carcinogenesis of the colon (rats)
 R01CA-16377-01 Ultrastructure of experimental tumor cell surface (rats, mice)
 R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)
 ** R26CA-16762-01 Pathogenesis of asbestos related bowel cancer (human, rats)
 R26CA-16765-01 Biochemical mechanisms in experimental bladder cancer (rats, rabbits)
 R01CA-16946-01 Defective DNA in Fanconi's anemia (human)
 ** R01CA-16954-01 Hemoprotein-catalyzed oxygenations of carcinogens
 ** N01CB-33898-02 Cultivation of normal and malignant human mammary cells
 N01CB-43907-00 Stromal growth of neoplastic lesions of mammary gland (mice)
 ** N01CB-43939-00 Aryl hydrocarbon and 16d hydroxytose in high and low risk breast cancer (human)
 N01CM-23203-05 Synthesis of cancer chemotherapy compounds
 ** N01CM-33708-03 Pharmacologic and carcinogenic studies in neonatal primates (mice)
 ** N01CP-02068-09 Viruses and chemicals in the etiology of cancer (rodents, dogs, cats, human)
 N01CP-02199-08 Services in support of carcinogenesis bioassays (rodents)
 ** N01CP-12020-05 Study of alkylating agents as carcinogens (rats, mice)
 ** N01CP-12164-08 Interaction between chemical and viral carcinogens (hamsters)
 ** N01CP-12166-07 Study chemical carcinogens and other chemicals (rats)
 ** N01CP-22022-05 Induce neoplasia in vivo and in vitro (mice, rats)
 ** N01CP-22047-02 Interaction between chemical and viral carcinogens (human, hamsters)
 ** N01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)
 ** N01CP-23243-03 Production and detection of antibodies to carcinogens (human, rabbits)
 ** N01CP-23252-04 Carcinogenic bioassay of environmental chemicals (mice, rats)
 ** N01CP-23255-03 Carcinogenic bioassay of environmental chemicals (rats, mice)
 N01CP-23278-04 Bioassay of environmental chemicals
 N01CP-23284-03 Enhanced induction of guinea pig pancreatic adenocarcinoma
 ** N01CP-33202-01 Carcinogenic properties of industrial chemicals (hamsters, mice)
 ** N01CP-33220-01 Alteration in translation of genetic messages by viruses and carcinogens
 ** N01CP-33225-04 Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents)
 ** N01CP-33229-03 Study carcinogenicity of heavy metals (rats)
 ** N01CP-33232-04 Pulmonary tumors in mice for carcinogenic bioassay
 N01CP-33238-02 Interactions between diet and chemical carcinogenesis (rats)
 N01CP-33239-02 Virological studies of breast cancer (human, mammals)
 ** N01CP-33241-02 Carcinogenesis principles of processed tobacco and tobacco smoke (human, mammals)
 N01CP-33249-02 Immunological and genetic factors in viral leukemogenesis (mice)
 N01CP-33262-01 Biochemical and morphological components of hepatic carcinogenesis
 ** N01CP-33266-02 Investigation of potential carcinogens from plants
 ** N01CP-33285-03 Selection and ranking of environmental chemicals
 ** N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
 N01CP-33296-02 Particulate materials for respiratory carcinogenesis
 ** N01CP-33305-02 Evaluation of carcinogenic agents (mice)
 N01CP-33307-01 Etiology of medulloblastoma and other brain tumors (mice, rats)
 ** N01CP-33315-01 Environmental occurrence of N-nitroso compounds
 ** N01CP-33327-01 Group testing for screening carcinogens (mammals nonhuman)
 ** N01CP-33334-01 Comparative focal floral studies (human)
 ** N01CP-33358-01 Hormonal factors on induction of breast tumors (monkeys, breast rats, human)
 ** N01CP-33376-02 Enhanced delivery of chemical carcinogens
 ** N01CP-33382-02 Tobacco research program (mice)
 ** N01CP-33384-01 Microbiological synthesis of carcinogenic polycyclic hydrocarbons
 ** N01CP-33385-02 Synthesis of carcinogenic polycyclic hydrocarbons
 ** N01CP-33386-01 Synthesis of carcinogenic polycyclic hydrocarbons
 ** N01CP-33392-02 Lymphoma cells and bioassay as a prescreen for carcinogens (mice)
 N01CP-33395-01 Microbial mutagenicity as a prescreen (mice)
 N01CP-33402-03 Literature search, retrieval and compilation for PHS-149 series and indexes
 ** N01CP-33403-01 Relation fetoglobulins to induction of hepatoma by chemical carcinogen (rodent)
 N01CP-43224-00 Oncogenic activity of virus preparations in primates
 N01CP-43238-00 Selection and propagation of haploid and partial monosomic cell lines (mice)
 ** N01CP-43240-00 Roles of viruses and chemical in the etiology of cancer
 ** N01CP-43245-00 Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents)
 ** N01CP-43248-00 Research on preparation of polymers containing carcinogenic moieties
 N01CP-43270-00 Non-histone DNA binding proteins (rats)
 ** N01CP-43272-00 Study of combined effects of chemical carcinogens (rats)
 N01CP-43276-00 Interaction between chemical and viral carcinogens (human, rodents)
 ** N01CP-43289-00 Supply of hamsters treated with respiratory carcinogens
 ** N01CP-43297-00 Carcinogenic bioassay of environmental chemicals (rats, mice)
 N01CP-43338-00 N-nitroso compounds and their precursors in the environment
 N01CP-43342-00 Etiology of esophageal cancer in the Caspian Littoral of Iran
 ** N01CP-43349-02 Carcinogenic bioassay of environmental chemicals (mice, rats)
 ** N01CP-43353-00 Detection of immunologic reactivity to chemical carcinogens (guinea pigs)
 ** N01CP-43354-00 Specific immunological unresponsiveness to chemical carcinogens (guinea pigs)
 N01CP-45600-00 Determining the effect of chronic immunosuppression (mice)
 ** N01CP-45600-00 The evaluation of carcinogenic risk of chemicals to man
 ** N01CP-45612-00 In vitro synthesis of complement components (human, guinea pigs)
 N01CP-45615-01 In vitro interaction between chemical and viral carcinogens
 P01DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
 P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (hamsters)
 R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
 P10ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
 P10ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)
 P01ES-00040-10 0004 Environmental toxicology of pesticides - Comparative metabolism of chemical toxicants (plants, rats)
 P10ES-00210-07 0015 Center for environmental management - Skin cancer and arsenic in Lane County, Oregon
 ** R01ES-00256-08 Mycotoxin toxicity and carcinogenesis in trout
 ** P10ES-00260-12 0001 Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
 ** P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
 ** P10ES-00260-12 0008 Research in the environmental health sciences - Tumorigenic response to ionizing radiation and chemical carcinogens (rats, mice)
 ** P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
 P10ES-00260-12 0022 Research in the environmental health sciences - Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether

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- R01ES-00263-09 Biological and toxic effects of cycle propanoids (fisho rats, mice)
- P01ES-00269-08 0002 Biological effects of environmental radiation - Photochemistry of photoactive agents (rats, human)
- R01ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
- ** P01ES-00454-06 0023 Biological effects of environmental agents - Mutagens, carcinogens, nucleic acids and cell transformation (hamsters)
- ** P01ES-00454-06 0024 Biological effects of environmental agents - Repair mechanisms in genetic damage and influence of environmental agents (human)
- ** R01ES-00463-05 Carcinogenic activity of toxigenic *Penicillium* (rodents, fungi)
- R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
- ** R01ES-00505-08 Correlation of carcinogenicity and mutagenicity (yeast, viruses, rodents, human)
- ** R01ES-00507-15 Toxicologic interactions of insecticides (rats, mice)
- ** R01ES-00541-04 Metabolism and carcinogenicity of aflatoxins (rats, mice, trout)
- ** R01ES-00550-04 Metabolism and cocarcinogenicity of cyclopropanes (trout, rats, mice)
- ** R01ES-00585-04 Carcinogenic implications of aspergillotoxicosis (rats)
- P01ES-00597-04 0001 Food-borne environmental toxicants - Nitrosation reaction products (yeast)
- ** P01ES-00597-04 0005 Food-borne environmental toxicants - In-vivo alkylation of environmental agents (rats)
- P01ES-00597-04 0006 Food-borne environmental toxicants - Extrahepatic induction of microsomal enzymes by BHT in the neonate rat
- ** P01ES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals
- ** P01ES-00597-04 0010 Food-borne environmental toxicants - In vitro biological responses
- ** P01ES-00597-04 0011 Food-borne environmental toxicants - Aminoacylation and methylation of tRNA in chemical carcinogenesis (rats)
- ** P01ES-00597-04 0012 Food-borne environmental toxicants - Influence of diet and environmental factors on responses to chemical agents (rat)
- R01ES-00612-04 Biogenesis of the aflatoxins (*Aspergillus*, bacteria, mammals)
- R01ES-00640-01 Aflatoxin metabolism by human liver
- ** R01ES-00674-01 Carcinogenicity of environmental mycotoxins (rats)
- R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
- ** R01ES-00701-01 Effects of piperonyl butoxide on chemical carcinogenesis (rats)
- ** R01ES-00713-03 Nitrosocarcosine, an environmental hazard (mice)
- M P10ES-00928-01 Environmental agents-Relation to human health effects
- P10ES-00928-01 0016 Environmental agents-Relation to human health effects - Diethyl stilbestrol exposure in males (human)
- R01EY-00108-05 Histopathologic study of pigmented ocular tumors (human, dogs, cats)
- ** R01FD-00382-04 N-nitrosamines in foods (marine, fish, rats)
- ** R01FD-00521-01 Host-Mediated studies of carcinogenic and mutagenic compounds (yeast)
- R01FD-00610-01 Photolysis in nitrite or nitrate treated foods
- R01FD-00640-06 Time-radiation dose relationship to biologic damage (rats)
- R01GM-06983-15 Genetic studies with cultivated mammalian cells (human, mice)
- ** R01GM-07816-15 The mode of action of chemical mutagens (bacteria, mammals)
- ** P11GM-12675-10 0057 Biochemical toxicology and pharmacology - Chemical carcinogens and polysome association with endoplasmic reticulum (rats)
- ** R01GM-12702-10 Genetic control of cytochrome C in yeast
- P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
- ** P11GM-15477-08 0063 Drug metabolism and biochemical pharmacology - Nature of hepatic and extrahepatic benzopyrene hydroxylase (rats, human)
- P11GM-16216-06 0047 Toxicological problems of drugs (placental transfer, lactation) - Molecular basis of toxicity
- R01GM-19261-03 Repair of damaged DNA and mutagenesis in yeast
- P01GM-19513-03 0019 Human genetics - Nature of germinal and somatic mutations in cancer
- R01GM-21311-01 Photoelectron spectroscopy of drugs and carcinogens
- R01GM-21350-01 Steroids and other biologically active substances in plants (fungi, ferns)
- R01HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
- ** P01HD-05797-04 0017 Population and reproductive biology - Changes in the deoxyribonucleoproteins (chickens, rats)
- P01HD-05874-04 0003 Biochemical regulation of aging processes - Hormone binding macromolecules during development and aging (rats, human)
- P01HD-06321-02 0003 Genetic aspects of human fetal development - Cytogenetics and prenatal development (human)
- R01HD-07213-02 Role of ions in activation of the egg (sea urchins)
- R01HL-13619-05 0001 Microsomal electron transport - Liver electron transport (pigs)
- R23HL-17134-01 Metabolism of xenobiotic compounds in lung (rats, hamsters)
- R01NS-10072-02 Interactive computer graphics
- R01NS-22011-02 Cytologic and immunologic studies of herpes virus induction of cancer (monkeys)
- ** S06RR-08005-03 Environmental carcinogens (Federal City College)(human, hamsters)
- S06RR-08060-03 Porphyrins, carcinogenic agents and air pollution (South Carolina State College)
- NEOSTIGMINE**
SEE PHENYLLAMINES, NEOSTIGMINE
- NEOSYNEPHRINE**
SEE PHENOLIC AMINES, NEOSYNEPHRINE
- NEOTENIN**
SEE ENDOCRINOLOGY INVERTEBRATE, JUVENILE HORMONE
- NEPHRECTOMY**
SEE KIDNEY SURGERY, NEPHRECTOMY
- NEPHRECTOMY BILATERAL**
SEE KIDNEY SURGERY, NEPHRECTOMY BILATERAL
- NEPHRITIS**
SEE KIDNEY DISORDERS, NEPHRITIS
- NEPHRITIS INTERSTITIAL**
SEE KIDNEY DISORDERS, NEPHRITIS INTERSTITIAL
- NEPHROBLASTOMA**
SEE KIDNEY NEOPLASMS, NEPHROBLASTOMA
- NEPHROCALCINOSIS**
SEE KIDNEY DISORDERS, NEPHROCALCINOSIS
- NEPHRON**
SEE KIDNEY, RENAL TUBULES
- NEPHROSCLEROSIS**
SEE KIDNEY DISORDERS, NEPHROSCLEROSIS
- NEPHROSCLEROSIS (ARTERIOLAR)**
SEE KIDNEY DISORDERS, NEPHROSCLEROSIS
- NEPHROSIS**
SEE KIDNEY DISORDERS, NEPHROSIS
- NEPHROSIS LIPOID**
SEE KIDNEY DISORDERS, NEPHROSIS LIPOID
- NEPHROTIC SYNDROME**
SEE KIDNEY DISORDERS, NEPHROTIC SYNDROME
- NEPHROTOXINS**
SEE KIDNEY TOXINS, NEPHROTOXINS
- NERVE CELLS**
SEE NERVOUS SYSTEM, NEUROGLIA
SEE NERVOUS SYSTEM, NEURONS
- NERVE DECOMPRESSION**
SEE NEUROSURGERY, NERVE DECOMPRESSION
- NERVE ENDINGS (GENERAL)**
SEE NERVOUS SYSTEM, NERVE ENDINGS (GENERAL)
- NERVE GROWTH FACTOR**
SEE ALSO NEUROSURGERY, SYMPATHECTOMY, IMMUNOSYMPATHECTOMY
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- ** P01AM-03564-15 0012 Mesenchymal tissues and their diseases - Role of nerve in organogenesis
- R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
- ** R01CA-13603-03 Clinicopathologic study of ocular and orbital cancer (human)
- ** P13DE-02731-08 0007 Development support for dental research institute - Oral histology (primates, mice, rats)
- ** P01GM-19489-03 0028 Study of human genetics - The role of nerve growth factor in familial dysautonomia
- ** P01HD-03015-08 0013 Program for developmental biology - Dissociated and cultured nerve cells-Growth factors (mice, chickens)
- R01MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
- R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- ** R01NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- ** R01NS-04270-12 Molecular neurobiology-Proteins of the nervous system (rodents, snakes)
- P01NS-04553-10 0009 Neuropharmacology and neurochemistry program research - Maturation of the central nervous system
- ** R01HD-07606-06 Dissociated neural cell nerve growth factor (human, mice, chick embryo)
- ** R01NS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
- R01NS-10259-03 Regulation of neuronal growth and development (mice, rats)
- ** R01NS-11211-02 Neural differentiation-Nerve growth factor proteins (snakes, chickens, mice)
- R01NS-11299-01 Studies of nerve development (chick embryo)
- R01NS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
- ** R01NS-11650-01 Morphology of collateral nerve sprouting (cats)
- NERVE IMPULSE FACILITATION**
SEE NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION
- NERVE IMPULSE INHIBITION**
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION
- NERVE IMPULSE INITIATION**
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION
- NERVE PROTEINS, NEURIN, NEUROSTENIN AND STENIN**
SEE ALSO MUSCLE PROTEINS, ACTOMYOSIN
- ** R01AM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)
- R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- NERVE REGENERATION**
SEE NERVOUS SYSTEM REGENERATION
- NERVE SHEATH NEOPLASMS**
SEE NERVOUS NEOPLASMS, NERVE SHEATH
- NERVE THRESHOLDS**
SEE NEUROPHYSIOLOGY, NERVE THRESHOLDS
- NERVES (GENERAL)**
SEE NERVOUS SYSTEM, NERVES (GENERAL)
- NERVES DEGENERATION**
SEE NERVOUS DISORDERS, NERVES DEGENERATION
- NERVOUS DISORDERS (GENERAL)**
SEE ALSO BRAIN DISORDERS
SEE ALSO NEUROLOGIC MANIFESTATIONS
SEE ALSO NEUROMOTOR DISORDERS
SEE ALSO SENSORY/PERCEPTUAL DISORDERS, SENSORY DISORDERS
- R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- R01AI-03998-12 0005 Cellular regulatory mechanisms at the molecular level - Membrane excitation and regulation of synaptic properties (electric fish, mice)
- R01AM-02448-16 Physiological functions and metabolism of thiamine (rats)
- P02AM-05577-13 0002 Clinical research unit in rheumatic diseases - Delayed hypersensitivity in vitro (Guinea pigs, human)
- P01AM-06741-12 0028 Dialysis in treatment of chronic uremia - Evolution of the middle molecule hypothesis (human)
- P01AM-16716-01 0014 Pathophysiological bases of muscle diseases - Potential contribution of motor neuron lesions to M.S. (chickens, human)
- R01AM-18064-01 Growth hormone and steroid release in sleep (human)
- N01AM-22200-04 Uremic polyneuropathy investigations (human)
- ** P02CA-05826-13 0069 Clinical cancer research center - Classification of neurological complications of cancer
- N01CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
- P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)
- ** R01EY-00215-14 Neuropathology and clinical ophthalmological diagnosis (human)
- ** R01FD-00690-01 Hezachlorophene-Neuropathological and biochemical studies (rats)
- P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
- R01GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
- ** R01GM-21106-01 Neurological mutants of *Drosophila melanogaster*
- ** N01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- ** P01HD-01799-09 0005 Mental retardation research center - Neuropathological processes in development and aging (human)
- ** P01HD-02274-08 0014 Mental retardation and child development - Neuropathology (human, monkeys, rats)
- ** P01HD-02274-08 0034 Mental retardation and child development - Neuropathology membrane mechanisms of repetitive firing (cats, monkeys)
- ** R01HD-02296-09 Sensory evoked EEG and behavioral responses in children (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** PO1HD-02528-08 0060 Research center in mental retardation - Early detection of degenerative diseases (human)
 ** PO1HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)
 ** PO1HD-03110-07 0028 Child development and mental retardation - Pediatric neurology
 ** PO1HD-05894-04 0011 Genetic childhood diseases and aging - Immunoenzymology of acetylcholinesterase (cattle, human)
 M PO1HD-06276-03 Mental retardation research program
 ** PO1HD-06276-03 0048 Mental retardation research program - Role of rectal biopsy in diagnosis of pediatric neurologic disorders
 PO1HD-06276-03 0065 Mental retardation research program - Cerebellar development in mutant mice
 M PO1HD-06576-01 Molecular aspects of mental retardation
 PO1HD-06576-01 0002 Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
 RO1HD-08182-05 Virus effects on the fetal nervous system (mice, swine, guinea pigs)
 ** NO1HD-32776-05 Diagnostic and intervention studies of high risk infants
 ** RO1HL-13607-04 Role of catecholamines in hypertension (human)
 RO1HL-16325-01 Breathing patterns in man
 ** RO1MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h
 R10MH-04669-14 0009 Controlled drug evaluation - Antagonism of amphetamine-induced symptomatology by neuroleptics (dogs)
 PO1MH-08667-10 0003 A longitudinal epidemiology of impaired competence - Mental retardates-Phi measurement through optokinetic nystagmus (human)
 ** PO1MH-17565-03 0006 Genetics of the XY phenomena in man - Neurological evaluation of XY patients
 RO1MH-18075-05 A comprehensive study of 47, XYY male offenders (human)
 RO1MH-22840-02 Deviant development of infants of schizophrenics
 M PO1NS-03356-14 Neurological clinical research center
 PO1NS-03356-14 0029 Neurological clinical research center - Acrylamide neuropathy (cats)
 PO1NS-03360-14 0012 Neurological clinical research center-Epilepsy - Reflex epilepsy (human)
 PO1NS-03856-12 0001 Auditory communication and its disorders - Electroencephalography (human)
 ** RO1NS-06239-09 Chemical cytology and pathology of nervous tissue (fish, bullfrogs)
 ** PO1NS-06833-08 0008 Interdisciplinary stroke program - Neuropathologic studies of patients with sickle hemoglobin
 ** PO1NS-07377-05 0007 Clinical head injury research - Neuropathology of human brains
 RO1NS-07657-07 Coenzyme binding and nervous disorders
 ** RO1NS-08106-06 Human brain sterols in aging and disease (and rats)
 ** PO1NS-08711-04 0008 Fundamental studies relating to multiple sclerosis - Blood-brain barrier abnormalities (human, rabbits)
 ** PO1NS-09287-04 0018 Baylor center for cerebrovascular research - Neuropathology-Cerebral ischemia and recoverability in cerebral tissue (monkeys)
 RO1NS-09677-04 Motoneuron repetitive firing mechanisms (cats)
 RO1NS-10238-03 Otoneurological evaluation of infants and children
 RO1NS-10531-02 Corticospinal tract in developing motor function (rats)
 ** RO1NS-10648-02 Experimental neuropathology in tissue culture
 RO1NS-10681-02 Structural neuroanatomy of myelin (human, fish, earthworm, shrimp, mice)
 RO1NS-10885-02 Chemical pathology of neurological disorders (human, dogs)
 PO1NS-11066-01 0005 Fundamental studies in spinal cord injury - Clinical electrophysiological studies in spinal cord injury (human)
 ** RO1NS-11386-01 Experimental neuropathies-Correlative studies (cat)
 RO1NS-11513-01 Neural mechanism of mutant phenotypes (Drosophila)
 ** RO1NS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
 ** NO1NS-22300-01 Establishment of clinical neurology information center
 ** NO1NS-80004-12 Research in pregnancy factors and resultant child outcome
 ** NO1NS-80006-10 Research in pregnancy factors and resultant child outcome
 ** NO1NS-80007-10 Perinatal research project
 ** NO1NS-80009-12 Perinatal research project
 ** NO1NS-80010-08 Perinatal research project
 ** NO1NS-80011-11 Perinatal research project
 ** NO1NS-80012-13 Perinatal research project
 ** NO1NS-80013-08 Perinatal research project
 ** NO1NS-80014-08 Perinatal research project
 ** NO1NS-80017-12 Pregnancy factors and resultant child outcome
 MO1RR-00035-14 0076 General clinical research centers - Rare recessive disorders in a genetic isolate (human)
 ** MO1RR-00051-13 0061 General clinical research center - Hyperuricemia and neurologic deficits (human)
 ** MO1RR-00051-13 0156 General clinical research center - Pyridinol carbamate in neurological diseases (human)
 MO1RR-00053-13 0035 Clinical research center - Neurologic mechanism controlling growth hormone secretion relative to sleep (hum
 MO1RR-00062-12 0012 Clinical research center, children - Prader-Willi syndrome
 ** MO1RR-00070-12 0095 General clinical research center - Vitamin B12 absorption in severe neurological deficiency (human)
 ** MO1RR-00123-11 0003 General clinical research center-Children - Glycolysis in children with neurologic symptoms
 MO1RR-00229-09 0026 General clinical research center - Catecholamine metabolism and neural maturation in children
 MO1RR-00261-09 0097 General clinical research center - Neurological abnormalities in rudimentary testes syndrome (human)
 MO1RR-00261-09 0102 General clinical research center - Cyclic oculomotor paralysis (human)
 MO1RR-00722-02 0032 General Clinical Research Center - Studies of special senses (human)
NERVOUS DISORDERS, DEMYELINATION
 SEE ALSO LIPOGRANULOMATOSSES, CEREBROTENDINOUS XANTHOMATOSIS
 SEE ALSO METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES
 SEE ALSO METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS
 R03AA-00840-01 Cholesterol metabolism in developing brain (miniature swine)
 RO1CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
 ** PO1ECS-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
 RO1EY-00013-08 Experimental optic neuropathies (rats)
 ** RO1FD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
 PO1HD-01799-09 0005 Mental retardation research center - Neuropathological processes in development and aging (human)
 ** PO1HD-03352-07 0011 Wisconsin center on mental retardation - Myelin in hyperaminoacidemias and nutritional deficiencies (mammals)
 PO1HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
 ** PO1HD-04612-06 0004 Mental retardation research center - Lipid distribution and metabolism in demyelating conditions
 ** PO1HD-05342-04 0002 Mental retardation and brain development - Hyperaminoacidemia nutrition and myelin deposition (rats)
 ** PO1HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 PO1HD-05796-03 0001 Aging in connective tissue, brain and auditory system - Organization of chromatin proteins and RNA (mice, dogs)
 PO1HD-06276-03 0008 Mental retardation research program - Epidemiology of white matter abnormalities in infants (human)
 PO1HD-06276-03 0037 Mental retardation research program - Abnormalities in sterol ester metabolism in brain diseases (human, monkeys)
 PO1HD-06276-03 0046 Mental retardation research program - Cholesterol in developing and regenerating nervous system (rats, mice)
 ** RO1HD-06599-03 Inhibition of myelinogenesis in genetic diseases (rats, mice, human)
 ** RO1NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
 ** RO1NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
 RO1NS-03114-13 Tissue culture of nervous tissue (mammals, human)
 ** RO1NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
 PO1NS-03346-13 0009 Research center for cerebrovascular disease - Biochemical effects of ischemia (gerbils, rats)
 RO1NS-05572-10 0001 Ultrastructural basis of neuropsychiatric disease - Experimental allergic encephalomyelitis (rats, guinea pigs)
 RO1NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
 RO1NS-05811-10 Peripheral neuropathy in man
 ** RO1NS-06448-09 Pathogenesis of heredity neurological disorders (mice)
 RO1NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 ** RO1NS-06756-07 Developmental nervous disorders-Krabbes disease (dogs)
 RO1NS-07541-07 Experimental hypertrophic neuropathy (rats, rabbits, cats)
 RO1NS-07701-08 Genetically-determined neurological diseases (human, dogs, rabbits)
 ** RO1NS-08291-04 Myelin biosynthesis and turnover (human, mice)
 PO1NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
 PO1NS-08711-04 0004 Fundamental studies relating to multiple sclerosis - Histochemical studies of EAE (human, animals)
 PO1NS-08711-04 0005 Fundamental studies relating to multiple sclerosis - GABA transaminase (mice, rats)
 PO1NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
 PO1NS-08711-04 0008 Fundamental studies relating to multiple sclerosis - Blood-brain barrier abnormalities (human, rabbits)
 ** PO1NS-08711-04 0009 Fundamental studies relating to multiple sclerosis - Breakdown of blood-brain barrier (rabbits)
 ** PO1NS-08711-04 0010 Fundamental studies relating to multiple sclerosis - Clinical neurophysiology
 PO1NS-08711-04 0012 Fundamental studies relating to multiple sclerosis - Pathogenesis of herpetic disease in the nervous system of mice
 RO1NS-08719-06 Biochemical studies of myelinization (human, cats, rats)
 ** RO1NS-08838-05 Demyelinating disease caused by virus (mice)
 M RO1NS-08952-06 EM cytopathology of organized CNS and PNS cultures
 ** RO1NS-08952-06 0001 EM cytopathology of organized CNS and PNS cultures - Serum factors (human, rabbits, mice)
 ** RO1NS-08952-06 0002 EM cytopathology of organized CNS and PNS cultures - Cellular factors (human, rabbits, mice)
 ** RO1NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
 ** RO1NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
 ** RO1NS-08997-05 0002 Fine structural alterations in CNS viral disease - Virus induced demyelinating disease (hepatitis virus, mice)
 ** RO1NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
 ** RO1NS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
 ** PO1NS-09704-04 0026 Developmental neurology - Models of human perinatal telencephalic leukoencephalopathy (rats)
 RO1NS-09909-03 Ether and ketone containing lipids during brain development (rats)
 ** RO1NS-10221-02 Biochemical aspects of myelination (rats, mice)
 ** RO1NS-10344-01 Myelin constituents in murine leukodystrophy (mice)
 ** RO1NS-10442-03 Defective myelination-Role of lipid metabolism (rats)
 M RO1NS-10473-03 Brain lipids in diffuse demyelinating disease
 RO1NS-10648-02 Experimental neuropathology in tissue culture
 ** RO1NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
 RO1NS-10763-06 Myelin synthesis in normals and diabetics (mice, human, dog, cat, rabbit, rat)
 ** RO1NS-10803-03 Experimental pathology of developing nervous system (rodents)
 ** RO1NS-10861-02 Clonal lines of nervous system cells in tissue culture (human, rats)
 PO1NS-10920-02 0005 Development and regeneration in the nervous system - Development of neuronal cell body (rats, dogs)
 ** PO1NS-10920-02 0018 Development and regeneration in the nervous system - Remyelination after experimental demyelination (mice)
 RO1NS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)
 RO1NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
 M PO1NS-11418-01 Studies in demyelinating diseases
 ** RO1NS-11551-01 Demyelination and the optic nerve (human)
 RO1NS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
 RO1NS-12044-01 Myelin constituents in murine leukodystrophy
 MO1RR-00051-13 0156 General clinical research center - Pyridinol carbamate in neurological diseases (human)
 MO1RR-00075-11 0043 General clinical research center for children - Degenerative central nervous system disease
NERVOUS DISORDERS, DEMYELINATION, ENCEPHALITIS PERIAXIALIS
 ** RO1HD-04252-06 Tissue culture in hereditary disorders (human)
 PO1HD-06276-03 0084 Mental retardation research program - Examination of human tissues
 RO1NS-09547-04 Viral subacute and chronic nervous system disease (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NERVOUS DISORDERS, DEMYELINATION, ENCEPHALOMYELITIS ALLERGIC-AUTOMUNE

- ** R01AJ-09022-06 Model of parainfectious demyelinating encephalitis (dogs)
- ** R01AJ-10495-03 Cellular immunity in allergic encephalitis (human, guinea pigs)
- R01CA-15146-02 Genetic control of the immune response (mice, rats)
- P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
- P11GM-15759-08 0035 Clinical pharmacology in rheumatic and muscular diseases - In vitro studies in animal models (rats, human)
- ** P01HD-02274-08 0056 Mental retardation and child development - Mechanisms in primary demyelination (mammals)
- ** R01HD-05204-04 Malnutrition and the nervous system (rats)
- P01HD-06276-03 0070 Mental retardation research program - Immunocytological identification of brain cell surface components (mice)
- R01NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
- R01NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- ** R01NS-03147-14 Experimental allergic encephalomyelitis (guinea pigs, rats, rabbits, bacteria)
- R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- ** R01NS-05572-10 0001 Ultrastructural basis of neuropsychiatric disease - Experimental allergic encephalomyelitis (rats, guinea pigs)
- ** R01NS-06262-10 Immune basis of disease-Allergic encephalomyelitis (rats, rabbits, cats)
- R01NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
- ** R01NS-06985-07 Encephalitogenic nature of altered brain preparation (guinea pigs, rats)
- ** P01NS-08711-04 0004 Fundamental studies relating to multiple sclerosis - Histochemical studies of EAE (human, animals)
- P01NS-08711-04 0005 Fundamental studies relating to multiple sclerosis - GABA transaminase (mice, rats)
- ** P01NS-08711-04 0007 Fundamental studies relating to multiple sclerosis - Tissue culture of EAE and MS (human, rats)
- P01NS-08711-04 0009 Fundamental studies relating to multiple sclerosis - Breakdown of blood-brain barrier (rabbits)
- R01NS-08952-06 0001 EM cytopathology of organized CNS and PNS cultures - Serum factors (human, rabbits, mice)
- R01NS-08952-06 0002 EM cytopathology of organized CNS and PNS cultures - Cellular factors (human, rabbits, mice)
- R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
- R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
- R01NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- R01NS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- ** R01NS-09973-03 Mechanisms involved in primary demyelination (rats)
- ** R01NS-10721-02 Immune function in EAE and multiple sclerosis (human, rats)
- R01NS-11231-02 Immunological markers in developmental brain disease (mice)
- ** P01NS-11418-01 0001 Studies in demyelinating diseases - Structure and metabolism of myelin proteins (human, animals)
- ** P01NS-11418-01 0002 Studies in demyelinating diseases - Induction of tolerance in EAE (human, monkeys)
- ** P01NS-11418-01 0004 Studies in demyelinating diseases - Immune function in EAE and multiple sclerosis (human, rats, mice)
- ** R01NS-11457-02 Pathogenesis of CNS autoimmune disorders (human, mice)
- R01NS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
- ** R01NS-11719-01 T and B cells in experimental allergic encephalitis (rats)
- R01NS-11867-01 Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits)
- NERVOUS DISORDERS, DEMYELINATION, HYPOMYELINATION**
- R01NS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
- NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHIES VIRAL**
- SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, SCRAPIE
- SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, VISHA
- SEE ALSO VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV), HER STRAIN
- R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- ** R01AI-09476-06 Slow virus infections-immunologic and viral studies (mink, mice)
- R01AI-09628-04 Slow virus infections of human (monkeys)
- R01AI-11217-02 A new human papova virus (hamsters, guinea pigs, rabbits)
- P01HD-06276-03 0084 Mental retardation research program - Examination of human tissues
- R01NS-06989-08 Cellular effects of neurotropic viruses (sheep)
- P01NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
- P01NS-08711-04 0008 Fundamental studies relating to multiple sclerosis - Blood-brain barrier abnormalities (human, rabbits)
- R01NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
- R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
- P01NS-10920-02 0011 Development and regeneration in the nervous system - Fetal and mature CNS cells and their interaction with viruses (human, mice)
- M01RR-00722-02 0034 General Clinical Research Center - Multiple sclerosis (human)
- NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHY TELENCEPHALIC**
- ** P01HD-06276-03 0008 Mental retardation research program - Epidemiology of white matter abnormalities in infants (human)
- ** P01HD-06276-03 0049 Mental retardation research program - Perinatal telencephalic leukoencephalopathy (human)
- ** P01HD-06276-03 0085 Mental retardation research program - Susceptibility of neonatal feline telencephalic white matter to endotoxin
- NERVOUS DISORDERS, DEMYELINATION, MULTIPLE SCLEROSIS**
- R01AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- P02AI-06320-10 0002 Transplantation immunology center - Tissue typing (human)
- R01AI-09628-04 Slow virus infections of human (monkeys)
- R01AI-10495-03 Cellular immunity in allergic encephalitis (human, guinea pigs)
- ** R01AI-10591-03 Immune mechanisms in humans receiving azathioprine
- R01AM-02375-16 HL-A antigens in diseases (human)
- P02AM-05577-13 0002 Clinical research unit in rheumatic diseases - Delayed hypersensitivity in vitro (guinea pigs, human)
- P01AM-10824-08 0016 Cellular immunity - Immunoassay for circulating immunoregulatory alpha globulin (human, rabbits)
- P02AM-13083-06 0004 Organ transplantation - Immunosuppression by anti-human lymphoblast globulin (human)
- R01HD-04575-05 Glial and myelin lipids in developing and mature brain (rats, cattle)
- P01HL-08214-11 0021 Chemical and biological properties of lipids - Clinical studies of lipid function (human, rats)
- R01HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
- ** P01MH-11668-09 0034 Psychosocial factors in health and disease - Psychological adaptation in multiple sclerosis
- ** P01MH-11668-09 0039 Psychosocial factors in health and disease - Conversion as a prelude to multiple sclerosis
- R01MH-25259-01 Orthomolecular psychiatry-Diagnosis and therapy
- R01NS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
- R01NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
- ** R01NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
- ** P01NS-03356-14 0040 Neurological clinical research center - Ganglioside changes in disease (chimpanzees)
- R01NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
- R01NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
- R01NS-06985-07 Encephalitogenic nature of altered brain preparation (guinea pigs, rats)
- R01NS-08291-04 Myelin biosynthesis and turnover (human, mice)
- M P01NS-08711-04 Fundamental studies relating to multiple sclerosis
- ** P01NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- ** P01NS-08711-04 0002 Fundamental studies relating to multiple sclerosis - Tissue culture studies of amyotrophic lateral and multiple sclerosis (human)
- ** P01NS-08711-04 0003 Fundamental studies relating to multiple sclerosis - Myelin and white matter glial cells (human, cattle)

- P01NS-08711-04 0004 Fundamental studies relating to multiple sclerosis - Histochemical studies of EAE (human, animals)
- ** P01NS-08711-04 0005 Fundamental studies relating to multiple sclerosis - GABA transaminase (mice, rats)
- ** P01NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
- ** P01NS-08711-04 0007 Fundamental studies relating to multiple sclerosis - Tissue culture of EAE and MS (human, rats)
- ** P01NS-08711-04 0011 Fundamental studies relating to multiple sclerosis - Electrophysiology (human)
- ** R01NS-08811-05 Auditory aberrations of multiple sclerosis (human)
- ** R01NS-08952-06 0001 EM cytopathology of organized CNS and PNS cultures - Serum factors (human, rabbits, mice)
- ** R01NS-08952-06 0002 EM cytopathology of organized CNS and PNS cultures - Cellular factors (human, rabbits, mice)
- ** R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
- ** R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
- R01NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
- ** R01NS-10590-02 Relationship of multiple sclerosis and vaccinia (human)
- ** R01NS-10721-02 Immune function in EAE and multiple sclerosis (human, rats)
- ** R01NS-10931-01 Brain glycolipids in MS and virus diseases (human, monkeys)
- R01NS-11231-02 Immunological markers in developmental brain disease (mice)
- ** P01NS-11418-01 0002 Studies in demyelinating diseases - Induction of tolerance in EAE (human, monkeys)
- ** P01NS-11418-01 0003 Studies in demyelinating diseases - Sequence of multiple sclerosis myelin basic protein (human)
- ** P01NS-11418-01 0004 Studies in demyelinating diseases - Immune function in EAE and multiple sclerosis (human, rats, mice)
- ** P01NS-11418-01 0005 Studies in demyelinating diseases - Viral culture of lymph node and CNS tissue (human)
- R01NS-11443-01 Computational investigations of problems in neurology
- ** R01NS-11551-01 Demyelination and the optic nerve (human)
- ** R01NS-11698-01 Multiple sclerosis (human)
- R01NS-11782-01 Replication of the slow virus virus
- ** R01NS-42308-00 Ultracentrifugation and affinity chromatography in multiple sclerosis (human)
- ** R01NS-42309-00 Detection of viral genomes in human neurological diseases
- R01NS-42321-00 Study of multiple sclerosis in Scotland
- ** R01NS-42335-01 Incidence, prevalence and costs of multiple sclerosis (human)
- ** M01RR-00039-14 0089 General clinical research center - Immunological and viral studies of lymph nodes in multiple sclerosis (human)
- ** M01RR-00039-14 0090 General clinical research center - Prednisone therapy in multiple sclerosis (human)
- M01RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)
- ** M01RR-00722-02 0034 General Clinical Research Center - Multiple sclerosis (human)
- ** M01RR-00749-02 0052 General clinical research center - Cerebrospinal fluid complement in multiple sclerosis (human)
- NERVOUS DISORDERS, DEMYELINATION, SUBACUTE NECROTIZING ENCEPHALOMYELOPATHY**
- ** R01HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
- M01RR-00047-14 0096 General clinical research center - Treatment of subacute necrotizing encephalomyelopathy (human)
- ** M01RR-00084-12 0035 General clinical research center-children - Leigh's disease-Carrier state
- NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS**
- R01AI-06864-09 Molecular basis of measles pathogenesis and immunity
- ** R01AI-09022-06 Model of parainfectious demyelinating encephalitis (dogs)
- R01AI-09628-04 Slow virus infections of human (monkeys)
- R01CA-06145-13 0002 Chemotherapy of intracranial neoplasms - Application of brain cell culture
- R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
- ** R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
- R01NS-10309-02 Masked and latent viruses in brain (human, monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00036-14 0198 General clinical research center - Treatment of subacute sclerosing panencephalitis (human)
 ** MO1RR-00075-11 0040 General clinical research center for children - Studies in subacute sclerosing panencephalitis
 ** MO1RR-00188-10 0055 General clinical research center for children - Amantadine in subacute sclerosing panencephalitis
 ** MO1RR-00211-10 0029 General clinical research center - Subacute sclerosing panencephalitis (human)
- NERVOUS DISORDERS, GLIOSIS**
 RO1NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
 RO1NS-11793-01 Neurotransmitter influence of neuroglia and gliosis (rats, rabbits)
- NERVOUS DISORDERS, NERVES DEGENERATION**
 RO1AM-09432-10 Fine structure and localization of cholesterol (mice, rats, human)
 PO1CA-13330-03 0040 Cancer research program - Rous virus and friend leukemia (mice, rats)
 RO1EY-00154-04 Organization of the vertebrate visual system
 PO1EY-00227-13 0007 The posterior segment of the eye - Regeneration of retinal nonmyelinated fibers (dogs)
 RO1EY-00376-07 Effect of visual deprivation on vision (rats, cats)
 RO1EY-00607-09 Visual and non-visual cortical efferents (rabbits)
 RO1EY-01174-01 An experimental study of developing visual system (cats)
 RO1EY-01202-02 New gene delaying blindness in retinal dystrophy (rats, mice)
 ** RO1EY-01244-02 Neurofibrillar degeneration in cone dysfunction (dogs)
 RO1FD-00041-05 Biochemical mechanisms for hexachlorophene toxicity (rats)
 RO1GM-10292-12 Studies in fine structure (animals)
 P11GM-15956-07 0016 Factors affecting the responses to drugs - Genetic nervous disorders (human)
 PO1HD-02274-08 0042 Mental retardation and child development - Fine structure of deafferentation (cat, rats)
 ** PO1HD-02274-08 0146 Mental retardation and child development - Degeneration in cervical dorsal columns and lateral cuneate nucleus (cats)
 RO1HD-04248-06 Function of electrical coupling in embryonic tissues (marine fish, crayfish)
 PO1HD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
 ** PO1HD-04583-06 0019 Mental retardation research center - Organization of monoamine neuron systems (rats)
 ** PO1HD-04583-06 0021 Mental retardation research center - Pathology of late infantile lipidosis (human)
 PO1HD-04583-06 0022 Mental retardation research center - Synaptic architecture in the brain (rats)
 ** PO1HD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
 ** PO1HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
 PO1HD-06276-03 0046 Mental retardation research program - Cholesterol in developing and regenerating nervous system (rats, mice)
 RO1HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)
 RO1NS-00682-20 Alterations of cochlear potentials (cats)
 RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
 RO1NS-03114-13 Tissue culture of nervous tissue (mammals, human)
- M** PO1NS-04053-12 Epilepsy
 ** PO1NS-04053-12 0001 Epilepsy - Neuroanatomy - Degeneration of synapses and deafferentation (rats, cats)
 ** PO1NS-04053-12 0002 Epilepsy - Effect of seizures on chronic brain degeneration (monkeys)
 PO1NS-04053-12 0016 Epilepsy - Degeneration in experimental epileptic foci (monkeys)
 RO1NS-04119-11 Plasticity of synaptic mechanisms (cats)
 RO1NS-04131-12 Thalamo-cortical connections in brain (monkeys)
 RO1NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 RO1NS-05270-11 Fractionation of brain proteins (cattle, rabbits, octopus)
 RO1NS-05721-10 Neurogenesis and development of behavior (chick embryos)
 PO1NS-06225-09 0003 Cerebral localization - Neuroanatomical studies (mammals)
 ** RO1NS-06594-08 Morphological aspects of neuronal injury (animals)
 RO1NS-06662-08 Architectonic and synaptic organization in the brain (animals)
 RO1NS-06716-08 Cortical-thalamic relationships (cats, rats)
 RO1NS-07016-08 Structure and organization of the cerebral cortex (cats)
 RO1NS-07662-08 Structure of nerve endings (rats, chickens)
 RO1NS-07666-07 Sites of callosal thalamic and associational synapses (rats, monkeys)
- RO1NS-08000-07 Biochemistry of prominent structures of the cochlea (rats, cats)
 RO1NS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
 RO1NS-08451-06 Efferent projections of the vestibular nuclei (cats)
 RO1NS-08626-06 Development of central nervous tissue in culture (mice)
 ** RO1NS-08735-06 Enzyme histochemistry of axon injury (cats)
 RO1NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
 RO1NS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
 RO1NS-09037-04 Anatomy of experimental seizures (human, monkeys)
 RO1NS-09378-04 Neurological mutants (mice)
 RO1NS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
 ** RO1NS-09614-03 Regeneration in nervous system (crustaceans)
 ** RO1NS-09678-04 Fine structure of deafferentation (rats, cats)
 RO1NS-09760-04 Studies in aging of the brain (human)
 RO1NS-10137-03 Upper and lower moloneroses (Boa constrictor)
 RO1NS-10140-03 Olfactory discrimination (rats)
 ** PO1NS-10162-03 0003 Management of spinal cord injury - Basic research program (human, cats, ferrets)
 ** RO1NS-10371-02 in CNS (cats)
 RO1NS-10427-02 Structure and biochemistry of cerebellum (mice)
 RO1NS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
 RO1NS-10536-02 Organization of the striato cortex (monkeys)
 RO1NS-10579-02 Development of synaptic knobs and behavior (rats)
 RO1NS-10803-03 Experimental pathology of developing nervous system (rodents)
 RO1NS-10884-01 Prevention of peripheral neuromas with triamcinolone (monkeys, human)
 PO1NS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
 RO1NS-10972-02 Basal forebrain organization (rats, sharks)
 RO1NS-10978-02 Brain stem sensory connections (human, animals)
 RO1NS-11006-02 Evolution of the telencephalon (amphibians, lungfish)
 RO1NS-11145-01 Neurogenesis - Cytoarchitecture and growth of axons (rats, chick embryos)
 RO1NS-11237-02 Brain development in normal and mutants (mice)
 RO1NS-11272-01 Lateral line projections of amphibia
 RO1NS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
 RO1NS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
 RO1NS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
 ** PO1NS-11631-01 0039 Clinical center for research on Parkinson's and allied diseases - Hallevorden-Spatz disease (human)
 ** PO1NS-11631-01 0050 Clinical center for research on Parkinson's and allied diseases - Analysis of effects of 6-OH dopamine into the mesencephalic tegmentum (cats)
 ** RO1NS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
 RO1NS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)
 MO1RR-00075-11 0043 General clinical research center for children - Degenerative central nervous system disease
 MO1RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)
- NERVOUS DISORDERS, NERVES DEGENERATION, AXON REACTION**
 RO1FD-00687-01 Effects of light on the retina (monkeys)
 RO1NS-04656-11 Protein synthesizing machinery (frogs)
 RO1NS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
 RO1NS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
 ** RO1NS-08735-06 Enzyme histochemistry of axon injury (cats)
 RO1NS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)
 PO1NS-10162-03 0003 Management of spinal cord injury - Basic research program (human, cats, ferrets)
 RO1NS-10371-02 Degenerative and regenerative changes in CNS (cats)
 ** RO1NS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
 ** PO1NS-10920-02 0015 Development and regeneration in the nervous system - Studies of chromatolysis (frogs)
- PO1NS-10920-02 0016 Development and regeneration in the nervous system - Studies of axoplasmic transport (rats, frogs)
 PO1NS-10920-02 0017 Development and regeneration in the nervous system - The response of non-neuronal cells to axotomy (amphibians)
 ** RO1NS-11644-01 Generation and degeneration of axons (fish, rats)
 RO1NS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
- NERVOUS DISORDERS, NERVES DEGENERATION, WALLERIAN**
 RO1NS-04656-11 Protein synthesizing machinery (frogs)
 RO1NS-06756-07 Developmental nervous disorders - Krabbes disease (dogs)
 ** RO1NS-10371-02 in CNS (cats)
 RO1NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
- NERVOUS DISORDERS, REFLEX, ABNORMAL**
 ** PO1NS-11766-01 0010 Clinical research center for neuromuscular disease - H reflexes in high risk newborns
 ** PO1NS-11766-01 0011 Clinical research center for neuromuscular disease - Clinical neurophysiology
- NERVOUS DISORDERS AUTONOMIC (GENERAL)**
 SEE ALSO CONGENITAL ABNORMALITIES, NEUROLOGICAL, DYSAUTONOMIA FAMILIAL
 SEE ALSO EYE DISORDERS, HORNER'S SYNDROME
 PO1HM-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)
 RO1HM-14560-03 Hypertension produced by sympathetic dysfunction (human, rats)
 ** RO1HM-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
 RO1HM-16148-01 Neural control of renal function (dogs)
 MO1RR-00044-14 0069 General clinical research center - Effects of 2-deoxyglucose on lipid and carbohydrate metabolism (human)
 ** MO1RR-00055-13 0097 General clinical research center - Renin-angiotensin-aldosterone responses in autonomic insufficiency (human)
 MO1RR-00065-12 0018 General clinical research center - Circulatory and hormonal abnormalities in orthostatic hypotension (human)
 ** MO1RR-00210-10 0032 General clinical research center - Maternal-child - Crib death and development of autonomic reflexes
- NERVOUS DISORDERS CENTRAL (GENERAL)**
 SEE ALSO BRAIN DISORDERS
 SEE ALSO METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES
 SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES
 SEE ALSO NERVOUS DISORDERS, DEMYELINATION
 SEE ALSO NEUROMOTOR DISORDERS
 ** RO1AA-00302-02 0001 Alcohol, tolerance and memory - Systematic metabolic rebound during alcohol and barbiturate withdrawal (rats)
 PO1AI-07007-09 0011 Immunopathologic studies - Complement enzyme studies (human, mice)
 RO1AM-15736-03 Physiology of operations for portal hypertension (human, dogs)
 PO1CA-14599-01 0039 University of Chicago Cancer Research Center - CNS carcinogenesis and development of animal models (rats, mice)
 ** RO1ES-00620-03 Pesticide induced changes in central nervous function (cats)
 ** RO1ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
 RO1ES-01077-09 Synthesis and localization of biogenic amines in brain (rats)
 RO1EY-00519-05 Normal and diseased extraocular muscle (human, primates)
 RO1FD-00680-01 Diagnostic ultrasound - Injury thresholds and mechanisms (cats)
 ** P11GM-15956-07 0016 Factors affecting the responses to drugs - Genetic nervous disorders (human)
 ** PO1HD-02274-08 0057 Mental retardation and child development - Subcellular fractionation of postmortem tissues (human)
 PO1HD-03352-07 0037 Wisconsin center on mental retardation - Genetic research (human)
 ** PO1HD-04147-06 0011 Research in mental retardation - Morphogenic anomalies (human, mice, rats)
 PO1HD-04335-06 0002 Brain-behavior relationships in mental retardation - Neonatal and follow-up studies of high-risk human neonates
 RO1HD-05080-04 Clinical and chromosomal variation in 1900 children
 RO1HD-05084-04 Clinical and chromosomal variation in 1300 children
 PO1HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 ** PO1HD-06276-03 0009 Mental retardation research program - Postnatal maturation of neurons in infants (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HD-06276-03 0031 Mental retardation research program - The phenomenon of unrelatedness (children)
- ** PO1HD-06276-03 0055 Mental retardation research program - Effect of convulsants on CNS regional permeability and biochemistry (cats)
- ** RO1HD-06278-04 Neuropsychological assessments of child development
- ** RO1HD-07070-02 Cytomegalovirus in the development of the CNS (human)
- RO1HD-07460-02 Sleep apnea and the sudden infant death syndrome
- ** PO1HD-08240-01 0001 Developmental processes in children at risk for MR - The orienting response and its habituation
- RO1HL-06128-14 Relationships between coagulability and thrombosis (human, rabbits, monkeys)
- P17HL-15061-03 0014 Response of lung to injury - Safe limits for elevated inspired oxygen concentrations in infants and children
- ** P18HL-15170-03 0011 Comprehensive sickle cell disease center - Development of central nervous system complications and sequelae (human)
- RO1LM-01655-02 Toxic plants of the Caribbean
- M RO1MH-05286-12 Psychophysiology of perception
- ** PO1MH-16674-06 0012 A program of psychiatry-oriented biological research - False neurotransmitters in altered functioning of nervous system (rats)
- ** PO1MH-16674-06 0014 A program of psychiatry-oriented biological research - Dihydroxylated tryptamines in rat brain
- RO3MH-25349-01 Physiological sleep patterns after open-heart surgery (human)
- ** RO1NS-01847-16 Lipid composition of brain in pathological states (human, mice)
- RO1NS-05096-11 0001 New amino acid disorders in cerebral disease - Homocystinuria due to methylenetetrahydrofolate reductase deficiency (children)
- RO1NS-05096-11 0003 New amino acid disorders in cerebral disease - Hyperglycinemias (children)
- ** RO1NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
- PO1NS-07376-07 0006 Univ Chicago head injury center - Immunohistochemical studies on synaptic membranes (cats, rabbits)
- PO1NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
- RO1NS-08997-05 0002 Fine structural alterations in CNS viral disease - Virus induced demyelinating disease (hepatitis virus, mice)
- ** RO1NS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- RO1NS-09568-04 Immune tissue injury-Mechanism and clinical relevance (human)
- PO1NS-09649-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)
- ** RO1NS-09933-04 Immunobiology of age dependent CNS disease (mice)
- RO1NS-10427-02 Structure and biochemistry of cerebellum (mice)
- ** RO1NS-10442-03 Defective myelination-Role of lipid metabolism (rats)
- RO1NS-10967-02 Human gangliosidosis (cats)
- RO1NS-11554-01 Behavioral analysis of central hearing mechanisms (primates, hedgehog)
- RO1NS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
- ** MO1RR-00034-14 0082 General clinical research center - Lactulose study in portal systemic encephalopathy (human)
- MO1RR-00036-14 0076 General clinical research center - Turnover rates of radiolabeled proteins in subdural effusions (human)
- MO1RR-00036-14 0096 General clinical research center - CSF formation and absorption in varied clinical states (human)
- ** MO1RR-00036-14 0197 General clinical research center - Responses to CNS injection in viral and bacterial CNS diseases (human)
- MO1RR-00039-14 0033 General clinical research center - Capacity to synthesize urea in cirrhosis (human)
- ** MO1RR-00047-14 0084 General clinical research center - Treatment of Gilles de la Tourette syndrome (human)
- ** MO1RR-00047-14 0095 General clinical research center - Tetrabenazine for Gilles De La Tourette syndrome (human)
- MO1RR-00052-13 0009 General clinical research center for children - Degenerative diseases of central nervous system
- ** MO1RR-00069-12 0058 General clinical research center, children - Biochemical CNS degenerative diseases
- ** MO1RR-00075-11 0043 General clinical research center for children - Degenerative central nervous system disease
- ** MO1RR-00079-12 0127 General clinical research center - Hypothalamic-pituitary regulatory mechanisms in CNS abnormalities (human)
- ** MO1RR-00084-12 0036 General clinical research center-children - Neurologic deficit and growth acceleration in cerebral gigantism
- MO1RR-00084-12 0040 General clinical research center-children - Studies with thyrotropin releasing hormone
- ** MO1RR-00096-14 0047 Clinical research center - Progressive deterioration of central nervous system (human)
- ** MO1RR-00261-09 0086 General clinical research center - Uric acid metabolism and central nervous system dysfunction (human)
- ** MO1RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)
- ** MO1RR-00585-03 0007 General clinical research center - Investigational use of 3-O-methyl dopa (human)
- ** MO1RR-00749-02 0012 General clinical research center - Uremic encephalopathy (human)
- MO1RR-00749-02 0023 General clinical research center - Neurologic and endocrinologic evaluation of young offenders with XYY karyotypes
- ** MO1RR-00828-01 0028 General clinical research center - Familial neurodegenerative disease
- ** MO1RR-00865-01 0021 General clinical research center - Metabolic studies of degenerative neurological diseases (human)
- NERVOUS DISORDERS CENTRAL, DISTEMPER, CANINE**
SEE ALSO VIRUSES, MYXOVIRUSES, DISTEMPER VIRUS CANINE
- RO1NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- RO1NS-09573-01 Fine structure of myelinogenesis and myelin disease (dogs)
- NERVOUS DISORDERS CENTRAL, ENCEPHALITIS**
SEE ALSO NERVOUS DISORDERS, DEMYELINATION, ENCEPHALITIS PERIAXIALIS
SEE ALSO NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHIES VIRAL
SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGOENCEPHALITIS EOSINOPHILIC
- RO1AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- ** RO1ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
- PO1HD-02528-08 0083 Research center in mental retardation - Detection of brain destruction by serum isocitric dehydrogenase (human)
- PO1HD-06276-03 0084 Mental retardation research program - Examination of human tissues
- ** RO1NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
- RO1NS-08278-06 Structure, metabolism and function of myelin proteins (animals)
- RO1NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
- RO1NS-11455-05 Herpesvirus hominis encephalitis (human, rabbits, mice)
- PO1NS-11631-01 0006 Clinical center for research on Parkinson's and allied diseases - Influenza virus (mice, monkeys)
- PO1NS-11631-01 0040 Clinical center for research on Parkinson's and allied diseases - Pathology of Parkinson's disease (human, monkeys)
- ** MO1RR-00047-14 0094 General clinical research center - Treatment of herpes simplex encephalitis with cytosine arabinoside (human)
- ** MO1RR-00064-10 0072 General clinical research center - Treatment of herpes simplex encephalitis, infection in immunosuppression (human)
- MO1RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)
- PO6RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
- ** MO1RR-00047-14 0010 Clinical research centers - IDU and Ara-A in herpes virus hominis encephalitis (human)
- NERVOUS DISORDERS CENTRAL, ENCEPHALITIS EPIDEMIC, WESTERN**
PO1ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
- ** RO1NS-10901-01 Fetal infection with western encephalitis virus (human)
- NERVOUS DISORDERS CENTRAL, ENCEPHALOMYELITIS**
SEE ALSO NERVOUS DISORDERS, DEMYELINATION, ENCEPHALOMYELITIS ALLERGIC-AUTOMMUNE
SEE ALSO NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHIES VIRAL
SEE ALSO NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS ACUTE IDIOPATHIC
- RO1AI-09608-05 Differentiation of neuropathic Acanthamoeba (mice)
- NO1HD-32717-01 Immunopathologic consequences of vasectomy (human, guinea pigs, rats)
- RO1NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
- ** RO1NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
- RO1NS-11231-02 Immunological markers in developmental brain disease (mice)
- ** MO1RR-00047-14 0096 General clinical research center - Treatment of subacute necrotizing encephalomyelopathy (human)
- ** MO1RR-00425-06 0076 General clinical research center - Necrotizing encephalomyelopathy in a child with cystathioninuria
- NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM**
SEE ALSO VIRUSES, NEUROTROPIC, TME VIRUS
- RO1AI-09628-04 Slow virus infections of human (monkeys)
- ** PO1HD-00668-16 0007 Aging and the aged - Organic approaches to dementia (human)
- RO1NS-00361-19 Quantitative histochemical studies upon cerebral cortex (human)
- ** PO1NS-03356-14 0040 Neurological clinical research center - Ganglioside changes in disease (chimpanzees)
- RO1NS-06938-09 Metabolic diseases of the brain (human, rats)
- RO1NS-09547-04 Viral subacute and chronic nervous system disease (human)
- NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, KURU**
RO1CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- ** PO1NS-03356-14 0040 Neurological clinical research center - Ganglioside changes in disease (chimpanzees)
- NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, SCRAPIE**
** RO1AI-09476-06 Slow virus infections-immunology and viral studies (mink, mice)
- ** RO1AI-11250-02 Transmissible spongiform encephalopathies (mice, monkeys)
- RO1CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, VISNA**
RO1CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- ** RO1NS-06989-08 Cellular effects of neurotropic viruses (sheep)
- ** RO1NS-11451-01 Immunopathogenesis of visna (sheep)
- ** RO1NS-11782-01 Replication of the slow virus visna
- NERVOUS DISORDERS CENTRAL, HYPOGLYCORRHACHIA**
** MO1RR-00633-02 0043 General clinical research center - Hypoglycorrhachia observed in granulomatous meningitis (human)
- NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE**
RO1AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- RO1AI-09323-05 Immunogenesis in animal parasites in gnotobiotics (chickens)
- RO1AM-06850-12 Nutritional needs as influenced by genetic variation (chickens)
- PO1CA-02332-20 0001 Clinical and laboratory studies of normal and abnormal growth - Detection of leukemia viruses (mice, human)
- ** RO1CA-06709-12 Avian leukosis complex (poultry)
- RO1CA-08494-09 Mechanisms of viral infection in relation to cancer
- ** RO1CA-13272-03 Defense mechanisms to Marek's disease (chickens)
- RO1CA-13865-02 Immune mechanisms in tumor protection (chickens)
- ** RO1CA-13940-02 Immunogenetic study of a herpesvirus induced lymphoma (chickens, turkeys)
- RO1CA-14061-02 Chicken lymphocyte alloantigens and viral oncogenesis
- ** RO1CA-14944-02 Alterations of lymphocytes in Marek's disease (chickens)
- ** RO1CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- ** PO1CA-15655-01 0001 Cancer center support grant - Immunological model of Marek's disease (chickens)
- ** MO1CP-33205-01 Study Marek's disease Herpes virus
- RO1NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- NERVOUS DISORDERS CENTRAL, MENINGITIS (GENERAL)**
PO1GM-16593-06 0010 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hypersensitivity reactions to radiopaque contrast media (human, guinea pigs)
- PO1NS-09704-04 0033 Developmental neurology - Cerebral solute transport and blood-brain barriers
- MO1RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)
- NERVOUS DISORDERS CENTRAL, MENINGITIS, LYMPHOCYTIC CHORIOMENINGITIS**
SEE ALSO VIRUSES, ARENAVIRUSES, LCM
- ** RO1AI-09484-05 Chronic neurologic disorders caused by persistent viral infection (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NERVOUS DISORDERS CENTRAL, MENINGITIS BACTERIAL

SEE ALSO BACTERIA, NEISSERiaceae, NEISSERIA MENINGITIDIS*

- ** R01AI-12239-01 Diagnosis of systemic infections by antigen detection (children)
- ** P01GM-14231-09 0018 Natural history of heart, cancer, stroke in a population - Bacterial meningitis (human)
- P01HD-02528-08 0083 Research center in mental retardation - Detection of brain destruction by serum isocitric dehydrogenase (human)
- ** P01HD-06276-03 0061 Mental retardation research program - CSF during meningitis (rabbits, rats)
- M01RR-00211-10 0051 General clinical research center - RISA cisternography (human)
- ** M01RR-00633-02 0043 General clinical research center - Hypoglycarrachia observed in granulomatous meningitis (human)

NERVOUS DISORDERS CENTRAL, MENINGITIS VIRAL

SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGITIS, LYMPHOCYTIC CHORIO-MENINGITIS

- ** P01HD-02274-08 0154 Mental retardation and child development - Follow-up of children with viral meningitis
- R01NS-05024-10 Spinal fluid proteins and blood CSF barrier (cats)
- R01NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
- M01RR-00211-10 0051 General clinical research center - RISA cisternography (human)

NERVOUS DISORDERS CENTRAL, MENINGOENCEPHALITIS EOSINOPHILIC

R01AI-09251-05 Amebic (Acanthamoeba) meningoencephalitis (human, mice)

NERVOUS DISORDERS CENTRAL, MYELITIS

SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALOMYELITIS

P01NS-11066-01 0002 Fundamental studies in spinal cord injury - Physiological studies in spinal cord injury (monkeys)

NERVOUS DISORDERS CENTRAL, RABIES

SEE ALSO VIRUSES, RHABDOVIRUSES, RABIES

- ** R01AI-09706-04 Rabies and rabies virus antigens (rodents)
- ** R22AI-11253-02 Epidemiological studies of latent rabies infections (rodents, carnivores)
- ** R22AI-12017-01 Rabies-pathogenesis, interference, abortive infection

NERVOUS DISORDERS CENTRAL, SPINAL CORD DISORDERS (GENERAL)

SEE ALSO CONGENITAL ABNORMALITIES, FUSION FAILURES, MENINGOMYELOCELE

SEE ALSO CONGENITAL ABNORMALITIES, FUSION FAILURES, SPINA BIFIDA

SEE ALSO CONGENITAL ABNORMALITIES, NEUROMOTOR, AMYOTONIA CONGENITA

SEE ALSO NERVOUS DISORDERS CENTRAL, MYELITIS

SEE ALSO NEUROMOTOR DISORDERS, NEUROMUSCULAR, MOTOR SYSTEM DISEASE DEGENERATIVE

- ** R01AM-00289-25 Histopathology of amino acid deficiencies (rats)
 - ** P01GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
 - P01HD-08658-01 0011 Developmental neurobiology in primates - Teratogenic effects of thalidomide on early limb development (nonhuman primates)
 - ** M01RR-00080-12 0046 General clinical research center - Vitamin C requirements in myelodysplasia (human)
 - ** M01RR-00400-06 0043 General clinical research center - adult - Metabolic bone studies in adolescent kyphosis and Turners syndrome (human)
 - M01RR-00865-01 0021 General clinical research center - Metabolic studies of degenerative neurological diseases (human)
- ### NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES
- SEE ALSO NEUROMOTOR DISORDERS, PARALYSIS, HEMIPLEGIA
- SEE ALSO NEUROMOTOR DISORDERS, PARALYSIS, PARAPLEGIA
- SEE ALSO URINARY TRACT DISORDERS, URINARY BLADDER NEUROGENIC
- P02CA-11911-04 0002 Clinical cancer center - Surgical versus conservative management of extradural lymphoma
 - P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
 - R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
 - P01GM-14267-09 0014 Microelectronics laboratory for biomedical science - Implant stimulators for the disabled (cats, human)
 - P01GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia

- ** P01GM-19489-03 0014 Study of human genetics - Delineation and management of atlanto-axial subluxation in skeletal dysplasias
 - P01HD-03352-07 0024 Wisconsin center on mental retardation - Physiological parameters of phonological development (children)
 - P01HD-06276-03 0082 Mental retardation research program - Delay of myelination proximal to axonal transection in neonates (human)
 - R01HD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)
 - R01NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
 - ** P01NS-07376-07 0001 Univ Chicago head injury center - Brain serotonin studies (rats)
 - ** P01NS-07376-07 0013 Univ Chicago head injury center - Mechanism of action of dimethyl sulfoxide
 - ** P01NS-07376-07 0015 Univ Chicago head injury center - Brain and spinal cord distribution of dimethyl sulfoxide
 - ** R01NS-07755-06 Plasticity of the transected human spinal cord
 - R01NS-07888-08 Neural aspects of posture and locomotion (cats)
 - ** R01NS-08970-04 Pathology of acute, experimental spinal cord injury (monkeys, cats)
 - M P01NS-10162-03 Management of spinal cord injury
 - ** P01NS-10162-03 0001 Management of spinal cord injury - Establishment of a clinical research center
 - ** P01NS-10162-03 0003 Management of spinal cord injury - Basic research program (human, cats, ferrets)
 - M R01NS-10163-03 Acute spinal cord injury center
 - ** R01NS-10163-03 0001 Acute spinal cord injury center - Norepinephrine metabolism in spinal cord injury - Hemorrhagic necrosis (cats)
 - ** R01NS-10163-03 0002 Acute spinal cord injury center - Norepinephrine metabolism in spinal cord injury - Neurological deficits (cats)
 - ** R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
 - R01NS-10163-03 0004 Acute spinal cord injury center - Anatomic norepinephrine pathways (cats)
 - ** R01NS-10163-03 0006 Acute spinal cord injury center - Enzymatic studies (cats)
 - ** R01NS-10163-03 0007 Acute spinal cord injury center - Anti-norepinephrine treatment of severe spinal injuries (cats, monkeys)
 - M P01NS-10164-02 Regional spinal cord trauma center grant
 - ** P01NS-10164-02 0001 Regional spinal cord trauma center grant - Clinical studies (human)
 - ** P01NS-10164-02 0002 Regional spinal cord trauma center grant - Epidemiological research (human)
 - ** P01NS-10164-02 0003 Regional spinal cord trauma center grant - Training in emergency care and transport (human)
 - ** P01NS-10164-02 0004 Regional spinal cord trauma center grant - Statistical analysis
 - M P01NS-11066-01 Fundamental studies in spinal cord injury
 - ** P01NS-11066-01 0001 Fundamental studies in spinal cord injury - Electrophysiological studies in spinal cord injury (cats)
 - ** P01NS-11066-01 0002 Fundamental studies in spinal cord injury - Physiological studies in spinal cord injury (monkeys)
 - ** P01NS-11066-01 0003 Fundamental studies in spinal cord injury - Pharmacological studies in spinal cord injury (cats, monkeys)
 - ** P01NS-11066-01 0004 Fundamental studies in spinal cord injury - Neuropathological studies of spinal cord injuries (human, animals)
 - ** P01NS-11066-01 0005 Fundamental studies in spinal cord injury - Clinical electrophysiological studies in spinal cord injury (human)
 - M P01NS-11132-01 Neural basis of effects produced by spinal cord damage
 - P01NS-11132-01 0006 Neural basis of effects produced by spinal cord damage - Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles)
 - ** P01NS-11132-01 0008 Neural basis of effects produced by spinal cord damage - Neural effects on renal function-dependence upon spinal mechanisms (mammals)
 - ** R13NS-11830-01 Spinal cord injury workshop
 - R01NS-11921-01 Somatosensory systems-Central pain (macaques)
 - ** M01NS-42334-00 Head and spinal cord injury (human)
- ### NERVOUS DISORDERS CENTRAL, SPINAL SHOCK
- ** P01NS-11132-01 0001 Neural basis of effects produced by spinal cord damage - Spinal shock (cats)
 - P01NS-11132-01 0002 Neural basis of effects produced by spinal cord damage - Posttransectional hyperreflexia (frogs)
 - ** R01NS-11268-01 Mechanism of spinal shock (cats)
- ### NERVOUS DISORDERS CENTRAL, SPINAL SHOCK
- SEE ALSO NEUROMOTOR DISORDERS, CHEMOTHERAPY
- SEE ALSO NEUROPHARMACOLOGY
- R01AM-17454-01 Hormone metabolizing and binding proteins (human)
 - R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)

- P11GM-15431-08 0053 Research center for clinical pharmacology and drug toxicology - Investigation of primidone C14 in man
- ** P11GM-15956-07 0016 Factors affecting the responses to drugs - Genetic nervous disorders (human)
- P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
- P01GM-16496-06 0048 Clinical pharmacology-Pharmacokinetics - Absorption, distribution and elimination of carbamazepine
- ** P11GM-20852-01 0005 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of anticonvulsant drugs (human)
- P01HD-02274-08 0040 Mental retardation and child development - Fircrest research laboratories (human)
- P01HD-05027-05 0013 Developmental psychology - Development of attention
- R01HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)
- R01MH-11894-09 0001 Comprehensive behavioral studies - Depression (Rhesus monkeys)
- R01MH-11894-09 0005 Comprehensive behavioral studies - Social deprivation (Rhesus monkeys)
- ** R01MH-14432-07 Early screening and long-term drug therapy of children
- ** R01MH-17039-05 Psychophysiological studies in hyperactive children
- ** P01MH-17565-03 0007 Genetics of the XYY phenomena in man - Psychiatric investigations of XYY patients
- ** R01NS-08185-06 Cerebral edema with protein markers (mice)
- M P01NS-08711-04 Fundamental studies relating to multiple sclerosis
- ** R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- ** R01NS-10163-03 0007 Acute spinal cord injury center - Anti-norepinephrine treatment of severe spinal injuries (cats, monkeys)
- ** P01NS-10164-02 0001 Regional spinal cord trauma center grant - Clinical studies (human)
- R01NS-10238-03 Otoneurological evaluation of infants and children
- ** R01NS-10442-03 Defective myelination-Role of lipid metabolism (rats)
- M P01NS-10727-02 The pathologies of sleep-A clinical program
- P01NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** R01NS-10884-01 Prevention of peripheral neuromas with triamcinolone (monkeys, human)
- P01NS-11131-01 0017 Extrapyramidal and related behavioral disorders - Cerebrospinal fluid in treated parkinsonian patients
- M01RR-00036-14 0201 General clinical research center - Use of steroids in treatment of idiopathic polyneuropathies (human)
- M01RR-00037-14 0006 General clinical research center - Effect of isosorbide in reduction of increased intracranial pressure (human)
- ** M01RR-00039-14 0090 General clinical research center - Prednisone therapy in multiple sclerosis (human)
- M01RR-00042-14 0051 General clinical research center - Effects of L-tryptophan loading and cholinergic mechanism in Huntington's chorea
- M01RR-00044-14 0086 General clinical research center - Parachlorophenylalanine treatment of patients with malignant carcinoid syndrome
- ** M01RR-00047-14 0084 General clinical research center - Treatment of Gilles de la Tourette syndrome (human)
- M01RR-00047-14 0085 General clinical research center - Propranolol treatment of essential tremor (human)
- M01RR-00047-14 0095 General clinical research center - Tetrabenazine for Gilles De La Tourette syndrome (human)
- M01RR-00047-14 0105 General clinical research center - Treatment of children with intractable seizures
- M01RR-00047-14 0106 General clinical research center - Influence of drugs and hormones and metabolism in children
- M01RR-00048-13 0031 Clinical center - Pharmacokinetics of diphenhydantoin (human)
- M01RR-00051-13 0156 General clinical research center - Pyridinol carbamate in neurological diseases (human)
- M01RR-00054-13 0063 General clinical research center - Bell's palsy (human)
- M01RR-00060-13 0049 General clinical research center - Pharmacologic studies of anticonvulsants (human)
- M01RR-00060-13 0051 General clinical research center - Dimethoxymethyl phenobarbital-A new anticonvulsant (human)
- M01RR-00062-12 0025 Clinical research center, children - Relationship of sleep and growth hormone secretion
- M01RR-00064-10 0061 General clinical research center - Effect of ketamine anesthesia on epilepsy (human)
- M01RR-00070-12 0008 General clinical research center - Pathophysiology of epilepsy (human)
- M01RR-00070-12 0037 General clinical research center - 5-hydroxytryptophan in insomnia induced by myoclonic movements (human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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- ** M01RR-00080-12 0088 General clinical research center - Monevamines metabolism in juvenile Huntington's disease (human)
- M01RR-00082-12 0063 General clinical research center - Oral vs IM DHP plasma kinetic and metabolic study (human)
- M01RR-00082-12 0098 General clinical research center - Dosage of ethosuximide for petit mal epilepsy (human)
- M01RR-00107-11 0054 General clinical research center - Kinetic studies in rapid diazepam metabolism (human)
- M01RR-00109-11 0046 General clinical research center - Clinical evaluation of dimethoxymethyl phenobarbital
- M01RR-00125-11 0153 General clinical research center - adult-child - Anticonvulsant therapy, with folic acid
- M01RR-00125-11 0154 General clinical research center - adult-child - Anticonvulsant action of dimethoxymethyl phenobarbital
- M01RR-00125-11 0178 General clinical research center - adult-child - Lactulose treatment of portal-systemic encephalopathy
- M01RR-00128-10 0072 General clinical research center for children - CSF dynamics in hydrocephalus
- M01RR-00188-10 0051 General clinical research center for children - Nutritional requirements of hyperkinetic children
- M01RR-00188-10 0055 General clinical research center for children - Amantadine in subacute sclerosing panencephalitis
- M01RR-00240-10 0117 General clinical research center - Children - Ketones as anti-convulsants
- M01RR-00284-08 0011 General clinical research center - pediatric - Effect of vitamin A on metachromic and globoid leucodystrophy
- ** M01RR-00336-08 0065 General clinical research center - SCH12041 and diazepam (human)
- M01RR-00585-03 0007 General clinical research center - Investigational use of 3-O-methyl dopa (human)
- M01RR-00828-01 0016 General clinical research center - Relationship of serotonin metabolism to headache (human)
- ** M01RR-00847-01 0025 Clinical research centers - Clonazepam treatment of absence petit mal epilepsy (human)

NERVOUS DISORDERS CONGENITAL

SEE CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)

NERVOUS DISORDERS EPIDEMIOLOGY

- R01NS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
- M01NS-42335-01 Incidence, prevalence and costs of multiple sclerosis (human)

NERVOUS DISORDERS INFECTIOUS

SEE ALSO NERVOUS DISORDERS, DEMYELINATION, ENCEPHALOMYELITIS ALLERGIC-AUTONNUNE

SEE ALSO NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHIES VIRAL

SEE ALSO NERVOUS DISORDERS, DEMYELINATION, SUBACUTE NECROTIZING ENCEPHALOMYELOPATHY

SEE ALSO NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS

SEE ALSO NERVOUS DISORDERS CENTRAL, DISTEMPER, CANINE

SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALITIS

SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALOMYELITIS

SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM

SEE ALSO NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE

SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGITIS (GENERAL)

SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGOENCEPHALITIS EOSINOPHILIC

SEE ALSO NERVOUS DISORDERS CENTRAL, MYELITIS

SEE ALSO NERVOUS DISORDERS CENTRAL, RABIES

SEE ALSO NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS ACUTE IDIOPATHIC

SEE ALSO VIRUSES, NEUROTROPIC

- R01NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
- M R01NS-08997-05 Fine structural alterations in CNS viral disease
- ** R01NS-08997-05 0001 Fine structural alterations in CNS viral disease - Viral teratogenesis (hamsters, Kilham rat virus, bluetongue virus)
- ** R01NS-08997-05 0002 Fine structural alterations in CNS viral disease - Virus induced demyelinating disease (hepatitis virus, mice)
- ** R01NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
- ** R01NS-11393-01 Neurological lesions during African trypanosomiasis (voles)

NERVOUS DISORDERS PERIPHERAL

SEE ALSO EYE MOVEMENT AND COORDINATION DISORDERS, EYE MOVEMENT DISORDERS

SEE ALSO METABOLIC DISORDERS (NBORN), DIABETIC NEUROPATHIES

- ** M01AM-12119-07 Study of peripheral neuropathy (human)

- P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- ** P01ES-00481-03 0009 Subcellular pathology of heavy metals - Methyl mercury intoxication (rats)
- P01GM-15991-06 0108 Anesthesia research center - Trigeminal nerve hyperactivity in relation to pain-line states (cats)
- R01MH-21413-03 Enzyme induction and transport in adrenergic nerves (human, animals)
- R01NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
- ** R01NS-08620-04 Mechanisms of peripheral nerve dysfunction (human, rats)
- P01NS-09199-04 0005 Effect of L-dopa on synthesis of amines in brain (human, animals) - Peripheral manifestations of Parkinsons (human)
- R01NS-10884-01 Prevention of peripheral neuromas with triamcinolone (monkeys, human)
- R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
- M01RR-00030-13 0066 General clinical research center - Olivocerebellar ataxias (human)
- ** M01RR-00032-14 0072 General clinical research center - Myoinositol metabolism in uremia (human)
- ** M01RR-00828-01 0028 General clinical research center - Familial neurodegenerative disease

NERVOUS DISORDERS PERIPHERAL, FACIAL PARALYSIS

- R01NS-07715-06 Recorded body sway in evaluation of equilibrium (human)
- R01NS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
- P01NS-10940-02 0002 Otophysiology and otopathology program project - Human cochlear and vestibular function
- ** M01RR-00054-13 0063 General clinical research center - Bell's palsy (human)

NERVOUS DISORDERS PERIPHERAL, NEURITIS

SEE ALSO NERVOUS DISORDERS PERIPHERAL, OPTIC NEURITIS

SEE ALSO NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS

SEE ALSO NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS ACUTE IDIOPATHIC

- P01NS-08711-04 0012 Fundamental studies relating to multiple sclerosis - Pathogenesis of herpetic disease in the nervous system of mice
- R01NS-08952-06 0001 EM cytopathology of organized CNS and PNS cultures - Serum factors (human, rabbits, mice)
- R01NS-08952-06 0002 EM cytopathology of organized CNS and PNS cultures - Cellular factors (human, rabbits, mice)
- R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
- ** R01NS-11867-01 Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits)

NERVOUS DISORDERS PERIPHERAL, OPTIC NERVE DISORDERS

- SEE ALSO EYE DISORDERS, VISION DISORDERS, BLINDNESS
- ** R01EY-00013-08 Experimental optic neuropathies (rats)
- ** R01EY-00031-05 Experimental pathology of the optic nerve (monkeys)
- R01EY-00093-08 Experimental fluorescein angiography (monkeys)
- ** P15EY-00492-08 Ophthalmic OPD clinical research project (human)
- ** P01EY-00523-13 0002 Sensory disease clinical research center (eye disorders) - Acquired color vision defects in macular and optic nerve diseases (human)
- ** P01EY-00523-13 0018 Sensory disease clinical research center (eye disorders) - Dominant optic atrophy and congenital tritanopia (human)
- R01EY-00936-01 Changes in the optic disc in patients with glaucoma

NERVOUS DISORDERS PERIPHERAL, OPTIC NEURITIS

- P02AJ-06320-10 0002 Transplantation immunology center - Tissue typing (human)
- ** R01NS-11551-01 Demyelination and the optic nerve (human)

NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS

- P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)

NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS ACUTE IDIOPATHIC

- P02AM-05577-13 0002 Clinical research unit in rheumatic diseases - Delayed hypersensitivity in vitro (guinea pigs, human)
- P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- R01NS-08952-06 0001 EM cytopathology of organized CNS and PNS cultures - Serum factors (human, rabbits, mice)

- R01NS-08952-06 0002 EM cytopathology of organized CNS and PNS cultures - Cellular factors (human, rabbits, mice)
- R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
- R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
- R01NS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)

NERVOUS DISORDERS PERIPHERAL, SCIATICA

- ** P01NS-08711-04 0012 Fundamental studies relating to multiple sclerosis - Pathogenesis of herpetic disease in the nervous system of mice

NERVOUS DISORDERS PERIPHERAL, SENSORY NEUROPATHY

- R01NS-10969-01 Electron microscopy of human muscle spindles

NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

- P01GM-16496-06 0048 Clinical pharmacology - Pharmacokinetics - Absorption, distribution and elimination of carbamazepine

NERVOUS DISORDERS PERIPHERAL HEREDITARY

SEE ALSO BRAIN DISORDERS, CEREBELLAR DEGENERATION HEREDITARY

- ** P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- ** R01NS-05811-10 Peripheral neuropathy in man

NERVOUS DISORDERS PERIPHERAL HEREDITARY, HYPERTROPHIC INTERSTITIAL NEUROPATHY

- R01NS-05811-10 Peripheral neuropathy in man
- ** R01NS-07541-07 Experimental hypertrophic neuropathy (rats, rabbits, cats)

NERVOUS DISORDERS PERIPHERAL HEREDITARY, PERONEAL MUSCULAR ATROPHY

- ** R01HD-07378-02 UV-absorbing components in urine
- R01NS-05811-10 Peripheral neuropathy in man
- R01NS-10969-01 Electron microscopy of human muscle spindles

NERVOUS DISORDERS PERIPHERAL HEREDITARY, REFSUM'S SYNDROME

- P01EY-00227-13 0013 The posterior segment of the eye - Retinal detachment and related conditions (human)
- ** R01NS-08246-06 Metabolic error in Refsum's syndrome (human, rats)

NERVOUS NEOPLASMS

SEE ALSO BRAIN NEOPLASMS

- P01AM-05996-13 0017 Biochemistry of connective tissues - Mucopolysaccharides and glycosphingolipids of nervous system cells (rats, mice)
- R01AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
- R10CA-04326-16 Acute leukemia group B
- ** P02CA-05826-13 0072 Clinical cancer research center - Methotrexate in central nervous system cancer (human)
- ** P02CA-05834-13 0047 Cancer clinical research center - Central nervous system neoplasms (human)
- R01CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
- ** P02CA-11051-06 0024 Clinical radiation research center - Time-dose studies in central nervous system metastases (human)
- ** R01CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- R10CA-12262-03 Radiation therapy oncology group
- R10CA-13237-03 Southeastern cancer study group
- ** P02CA-13525-03 0011 Program for treatment of malignant brain tumors - Immunology of central nervous system tumors (human)
- R01CA-13661-02 Cytogenetics of human tumors
- ** P02CA-13696-02 0023 Clinical cancer research center - Chemotherapy of nervous system tumors - Clinical studies (human)
- P02CA-13696-02 0024 Clinical cancer research center - Chemotherapy of nervous system tumors - Laboratory studies (human)
- P02CA-13696-02 0025 Clinical cancer research center - Nervous neoplasms - Isotope concentration in tumor response (dogs)
- P02CA-13696-02 0026 Clinical cancer research center - Nervous neoplasms - Effect of contrast media at brain cellular level (human)
- P02CA-13696-02 0030 Clinical cancer research center - Educational programs on diagnosis and treatment of patients with CNS tumors
- P02CA-13696-02 0031 Clinical cancer research center - Tissue banks for tumors of the nervous system (human)
- P02CA-13696-02 0033 Clinical cancer research center - Polyamine metabolism in relation to CNS tumor growth and detection (human)
- P02CA-13696-02 0053 Clinical cancer research center - Assigning nurses long-term responsibility for nervous neoplasms (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01CA-07368-11 0019 Interrelationships of normal and cancer cells - Boron-slow neutron capture therapy-development of binding compounds
- P02CA-11067-05 0013 Clinical cancer research center - Brain tumor chemotherapy (human, rats)
- R01CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- ** R01CA-11898-04 Brain tumors-Virological and immunological studies (hamsters, rabbits)
- R10CA-12252-03 Radiation therapy oncology group
- ** P02CA-13053-03 0004 Clinical cancer radiation therapy research center - Combined irradiation and chemotherapy-Malignant brain gliomas (human)
- R01CA-14319-02 Glycosphingolipid biochemistry in transformed cells (human, hamsters, cattle)
- ** P01CA-16127-01 0021 Cancer Research and Treatment Center Program - Pi meson radiotherapy of brain glioma (human)
- R01HD-07464-01 Regulation of fatty acid synthesis during development (mice, rats)
- ** N01H-92245-11 Production of cells from neuroblastomas (human, mammals, non-human)
- R01NS-03101-14 Phospholipids of the nervous system (animals)
- ** R01NS-08436-04 Metabolic regulation in glioma cells (rats)
- P01NS-09199-04 0008 Effect of L-dopa on synthesis of amines in brain (human, animals) - Cyclic AMP in basal ganglia function (rats)
- R01NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- R01NS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
- NERVOUS NEOPLASMS, MENINGIOMA**
- R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
- M01RR-00030-13 0002 General clinical research center - Intracranial extracellular lesions on endocrine function (human)
- NERVOUS NEOPLASMS, NERVE SHEATH**
SEE ALSO NERVOUS NEOPLASMS, NEUROFIBROMA
- ** R01NS-10884-01 Prevention of peripheral neuromas with triamcinolone (monkeys, human)
- P01NS-11647-01 0009 Peripheral and central auditory mechanisms - Human VIII nerve action potential studies (adults, children)
- ** M01RR-00400-06 0050 General clinical research center-adult - Multiple mucosal neuroma (human)
- NERVOUS NEOPLASMS, NEURAL CANAL, EPENDYMOMA**
- P01CA-07368-11 0003 Interrelationships of normal and cancer cells - Chemo-immunotherapy (mice, rabbits)
- ** P02CA-13053-03 0077 Clinical cancer radiation therapy research center - Chemotherapy following surgery and radiotherapy in brain tumors (children)
- R01CA-13897-02 Brain tumor chemotherapy with semipermeable membranes (dogs)
- NERVOUS NEOPLASMS, NEUROBLASTOMA**
- R01AI-06448-10 EM studies of microtubular elements and a rickettsia (helminths, mice, crustace)
- R01AI-09288-05 Subcellular components of bacterial and animal cells (mice)
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- R01AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
- R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
- R10CA-02971-18 Childrens cancer study group A
- R10CA-03526-17 Childrens cancer study group A
- R10CA-03750-17 Childrens cancer study group A
- R10CA-03888-17 Childrens cancer study group A
- R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
- R10CA-05436-14 Childrens cancer study group A
- ** P02CA-05826-13 0087 Clinical cancer research center - Pediatric oncology-neuroblastoma
- P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
- P02CA-06516-12 0006 Cancer center support grant-Comprehensive - Pediatric neoplasms
- P02CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
- R10CA-07306-11 Childrens cancer study group A
- ** P02CA-07357-10 0017 Special children's cancer center program - Immune responsiveness in patients with cancer
- R10CA-07431-11 Childrens cancer group A
- R10CA-07439-11 Childrens cancer study group A
- R10CA-07757-10 Acute leukemia group B (human)
- R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
- ** P02CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
- ** P01CA-08748-09 6302 Research program of Sloan-Kettering Institute - Cystathionine and vanillylmandelic excretion in neuroblastoma (human)
- ** P01CA-08748-09 6814 Research program of Sloan-Kettering Institute - Antigen markers in characterizing and separating nerve cells (mammals)
- ** P01CA-08748-09 7004 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies of neuroblastoma (human)
- ** P01CA-08748-09 7419 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies on neuroblastoma cell lines (human)
- ** P02CA-08832-08 0115 An integrated study of advanced malignant diseases - Vascular changes in neuroblastoma of mice from x-irradiation
- P02CA-08832-08 0128 An integrated study of advanced malignant diseases - Role of radiation therapy for neuroblastoma
- R10CA-10198-07 Childrens cancer study group A (human)
- R10CA-10382-08 Childrens cancer study group A
- ** P01CA-10748-07 0004 Cancer chemotherapy program - GAMP in neural tumors (tissue culture)
- ** P01CA-10815-06 0054 Consolidated basic cancer research program - Growth, differentiation and tumorigenesis of neuronal elements (mice)
- R10CA-11075-06 Childrens cancer study group A
- R10CA-11174-06 Childrens cancer study group A
- R10CA-11233-06 Southwestern cooperative chemotherapy study group
- R01CA-11449-05 New antagonists of amethopterin-resistant leukemia (human bacteria, mice)
- R01CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- R10CA-11789-05 Acute leukemia cooperative group B
- R10CA-11796-05 Childrens cancer study group A
- ** P02CA-12247-03 0009 Pediatric oncology center - Neuroblastoma (human)
- P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
- ** P02CA-12247-03 0033 Pediatric oncology center - Growth regulation of neuroblastoma cells (human, mice)
- R10CA-12260-03 Radiation therapy oncology group
- R10CA-12449-04 Acute leukemia group B-Boston group
- R10CA-12637-03 Childrens cancer study group A
- R10CA-12643-03 Genetically controlled malignant neoplasms (Drosophila)
- R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
- P02CA-13053-03 0061 Clinical cancer radiation therapy research center - Fluorouracil in pediatric solid tumors
- R10CA-13057-03 Acute leukemia cooperative group B
- ** R01CA-13451-02 The biology of human neuroblastoma
- R10CA-13457-02 Radiation therapy oncology group
- ** R01CA-13538-03 Neuroblastoma model of benign-malignant neoplasm phases (mice)
- R10CA-13809-02 Childrens cancer study group A
- R01CA-13844-02 Isolation of tumor antigens of human melanoma
- R01CA-14319-02 Glycosphingolipid biochemistry in transformed cells (human, hamsters, cattle)
- P01CA-14536-01 0087 Cancer institute cere proposal - Pediatric cancer center
- R10CA-14557-01 Children's cancer study group A
- ** P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
- ** R01CA-14658-02 Murine model for neuroblastoma chemotherapy in man
- ** R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
- ** P02CA-15145-01 0027 Cancer center support grant - Metabolism and differentiation of neuroblastoma cells (mice)
- R01CA-15161-01 Biochemistry of normal and malignant cell surfaces (mouse cell lines)
- R01CA-15549-01 Neoplastic-normal cell coaggregates (mice)
- ** R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
- P01CA-15655-01 0028 Cancer center support grant - Orientation of coupling factors (mammals)
- P01CA-15704-01 0001 Cancer center support grant - Tumor immunology (rats, human, mice)
- R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- ** R01CA-16379-01 Experimental cancer chemotherapy of neuroblastoma
- R01CA-16425-01 Colchicine derivatives as antitumor agents (mice)
- ** R01CA-16927-01 Membrane lipids in neuroblastoma differentiation (mice)
- ** R01DA-00017-10 Effects of morphine and analogues on cell metabolism (bacteria, mammals, squid)
- ** P01DA-00266-03 0002 Johns Hopkins drug abuse research center - Interactions of drugs of abuse and mouse neuroblastoma in tissue culture
- R01GM-14642-07 Synthesis and assembly of microtubules (algae)
- R01GM-19813-02 Anesthetic alternation of cell structure and function (mice, decapods)
- R01GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)
- P01HD-04583-06 0001 Mental retardation research center - Biosynthesis of mucopolysaccharides by neuroblastoma and glial cells in vitro
- ** P01HD-05894-04 0009 Genetic childhood diseases and aging - Significance of alpha-1 glycoprotein in cerebral tumors of infancy
- R01HD-06390-03 Role of the cell surface in cancer and embryology (human, chick embryo, mice)
- R01HD-06426-03 Glycosphingolipid metabolism and mental retardation (human)
- R01HD-07464-01 Regulation of fatty acid synthesis during development (mice, rats)
- ** N01H-92245-11 Production of cells from neuroblastomas (human, mammals, non-human)
- R01MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- ** R01MH-03372-15 0044 Neural mechanisms in behavior - Interaction between protein S 100 and neuroblastoma in culture
- R01MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- P01NS-02253-15 0002 Neurophysiological and neurochemical studies - Studies of fibroblasts and neurons in tissue culture
- R01NS-03304-13 0001 Proteins in excitable membranes - Acetylcholinesterase (electric eel, mammals)
- P01NS-03354-13 0001 Neurosensory center - Neuro-ophthalmology
- R01NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- ** R01NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- R01NS-05572-10 0003 Ultrastructural basis of neuropsychiatric disease - Immunocellular methods for cell surface and intracellular labeling
- ** R01NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
- R01NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- R01NS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
- R01NS-08527-05 Chemical reactions in transmission of nerve impulses
- ** R01NS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
- ** R01NS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- ** R01NS-10907-01 Differentiation of nerve tumor cells in tissue culture (mice)
- R01NS-11061-01 Regulation of adrenergic metabolism (rats)
- R01NS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
- ** R01NS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
- R01NS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)
- R01NS-11549-01 Synapse formation in cloned cell lines (mice, rats)
- R01NS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
- M01NS-22330-02 Effects of lipids on human and bacterial cells
- ** M01RR-00075-11 0060 General clinical research center for children - Immunotherapy of malignancy
- ** M01RR-00125-11 0208 General clinical research center-adult-child - Transfer factor treatment in impaired cellular immunity
- NERVOUS NEOPLASMS, NEUROFIBROMA**
SEE ALSO NERVOUS NEOPLASMS, NERVE SHEATH
- P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- R10CA-11796-05 Childrens cancer study group A
- P02CA-13525-03 0012 Program for treatment of malignant brain tumors - Virus-like particles in human schwannoma
- ** P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
- P01GM-15253-08 0046 Genetics in medicine-Gene action in man - SV40 transformation of fibroblasts from subjects at risk to develop malignancy
- P01HD-05894-04 0009 Genetic childhood diseases and aging - Significance of alpha-1 glycoprotein in cerebral tumors of infancy
- M01RR-00722-02 0031 General Clinical Research Center - Dizziness and vestibular function in posterior fossa lesions (human)
- NERVOUS NEOPLASMS, PARAGANGLIA NEOPLASMS**
- ** M01RR-00059-13 0095 General clinical research center - Effect of catecholamines on ventilation in carotid body chemodectomas (human)
- NERVOUS NEOPLASMS, PARAGANGLIA NEOPLASMS, PHEOCHROMOCYTOMA**
SEE ALSO ADRENAL MEDULLA NEOPLASMS
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1AM-10206-08 Peptide hormones affecting mineral metabolism (human swine, fish)
- RO1AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
- PO2CA-08341-09 0047 Clinical pharmacology and cancer chemotherapy - Multiple endocrine neoplasia-family study
- ** P1SEY-00493-06 0004 Corneal research clinic - Pheochromocytoma, thyroid carcinoma, multiple mucosal neuroma syndrome (human)
- RO1HL-11046-08 Renin, angiotensin, steroids, ions and blood pressure (human, sheep, rabbits)
- RO1HL-12648-05 Catecholamine metabolism in hypertensive diseases (human, rats)
- RO1HL-13607-04 Role of catecholamines in hypertension (human)
- PO1NS-03354-13 0001 Neurosensory center - Neuro-ophthalmology
- RO1NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- ** MO1RR-00032-14 0052 General clinical research center - Effect of alpha-methyl-para-tyrosine on metastatic pheochromocytoma
- MO1RR-00034-14 0078 General clinical research center - Sjogren syndrome, medullary thyroid Ca, pheochromocytomas (human)
- MO1RR-00054-13 0037 General clinical research center - Medullary carcinoma of thyroid (human)
- ** MO1RR-00059-13 0157 General clinical research center - Alpha-methyl-para-tyrosine in pheochromocytoma (human)
- ** MO1RR-00095-14 0064 General clinical research center - Evaluation of antineoplastic therapy for pheochromocytoma (human)
- ** MO1RR-00211-10 0032 General clinical research center - Carbohydrate and catecholamine metabolism in pheochromocytoma (human)
- MO1RR-00400-06 0050 General clinical research center - adult - Multiple mucosal neuroma (human)
- MO1RR-00425-06 0030 General clinical research center - Glucose homeostasis (human)
- ** MO1RR-00749-02 0003 General clinical research center - Kindred with pheochromocytoma, thyroid CA, hyperparathyroidism, Cushing's disease
- ** MO1RR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
- NERVOUS NEOPLASMS, SPINAL CORD**
- MO1RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)
- NERVOUS SYSTEM**
- SEE ALSO BRAIN
SEE ALSO NEUROMOTOR SYSTEM
SEE ALSO SENSE ORGANS
- PO1ES-00049-10 0004 Mode of action and metabolism of organic toxicants - Pyrethroids mode of action (milkweed bugs)
- RO1FD-00665-02 Ultrasonic toxicity study
- PO1HD-02274-08 0081 Mental retardation and child development - Initiation of breathing (sheep)
- ** PO1HD-08658-01 0008 Developmental neurobiology in primates - Ontogenesis of acetylcholinesterase isoenzymes (*Macaca mulatta*)
- RO1HL-10612-08 0001 Humoral factors in experimental heart failure - Effects of catecholamines and renal nerve stimulation on renin release (dogs)
- RO1HL-10612-08 0004 Humoral factors in experimental heart failure - Renin release during sodium depletion (dogs)
- RO1HL-15231-02 Mechanisms of hemodynamic changes during digestion (dogs)
- RO1NS-06262-10 Immune basis of disease-Allergic encephalomyelitis (rats, rabbits, cats)
- ** RO1NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)
- RO1NS-10336-03 Components controlling behavior (coelenterates, insects)
- ** RO1NS-10509-03 Functional analysis of the nervous system (helminths)
- RO1NS-10861-02 Clonal lines of nervous system cells in tissue culture (human, rats)
- NERVOUS SYSTEM, AFFERENT NERVES**
- RO1AM-14952-04 Hemodynamic control of adrenal corticoid secretion (cats)
- PO1AM-16716-01 0006 Pathophysiological bases of muscle diseases - Sensory input and motor activity (cats)
- PO1CA-07368-11 0026 Interrelationships of normal and cancer cells - Relief of cancer pain by neurostimulus
- RO1EY-00828-03 Anatomy and physiology of visusomotor systems (cats, fish)
- ** RO1EY-00909-03 Anatomical correlates of subcortical visual function (animals)
- ** RO1EY-01286-01 Physiology of visual afferent pathways (monkeys)
- PO1GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- PO1HD-01799-09 0001 Mental retardation research center - Development of inter-neuronal communication processes
- PO1HD-01799-09 0003 Mental retardation research center - Developmental morphophysiology of immature mammalian brain
- ** PO1HD-02274-08 0042 Mental retardation and child development - Fine structure of deafferentation (cat, rats)
- ** PO1HD-02274-08 0047 Mental retardation and child development - Hyperactivity in sensory systems (human)
- ** PO1HD-02274-08 0145 Mental retardation and child development - Effects of deafferentation upon lateral cuneate nucleus (cats)
- RO1HD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)
- PO1HL-06285-14 0182 Cardiovascular-respiratory physiology and biochemistry - Structure and function of vascular chemoreceptors (cats, rats)
- RO1HL-13187-05 0003 Central neural control of cardiovascular function - Modulation of baroreceptor reflexes (cats)
- RO1HL-13427-04 Neural control of blood volume (dogs)
- ** RO1HL-13616-05 Morphology of refluogenic zones of heart (cats, monkeys)
- RO1HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
- RO1HL-13888-12 Regulation of respiratory activity (human, dogs)
- RO1HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
- ** RO1HL-14563-03 Efferent nerve impulse traffic in hemorrhagic shock (dogs)
- ** RO1HL-14843-01 Respiratory muscle afferents in respiratory control (cats)
- RO1HL-16657-01 Innervation of coronary arteries and heart (cats, Aplysia)
- ** RO1HM-18856-04 Control of the subjective intensity of sensation (human)
- ** RO3MH-24416-01 Motor skills of neonatally deafferented monkeys
- ** RO1NS-00405-19 Experimental studies of sensory pathways (cats, rats)
- RO1NS-02957-14 Suprasagittal influences on spinal motoneurons (baboons)
- PO1NS-03358-13 0007 Sensory disease clinical research center - Vestibular physiology (human, monkeys)
- RO1NS-03989-12 Comparative study of nerve ultrastructure (animals)
- PO1NS-04053-12 0001 Epilepsy - Neuroanatomy - Degeneration of synapses and deafferentation (rats, cats)
- PO1NS-04053-12 0020 Epilepsy - Deafferentation of the external cuneate nucleus (cats)
- ** RO1NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- ** RO1NS-04989-11 Integration of sensory input (clams, crayfish)
- ** RO1NS-05264-10 Significance of neuronal discharge parameters (mollusks, fish)
- PO1NS-06225-09 0004 Cerebral localization - Neural mechanisms of temperature and studies on the mediodorsal nucleus (animals)
- RO1NS-06624-09 CNS control of fluid and electrolyte metabolism (cats)
- RO1NS-06658-09 Central vestibular mechanisms (cats)
- RO1NS-06716-08 Cortical-thalamic relationships (cats, rats)
- ** PO1NS-06828-08 0028 Neurophysiology-Sensory systems and cerebral cortex - Afferent input evoked by a noxious stimulus (monkeys)
- RO1NS-07505-06 Neural correlates of skin sensibility (cats)
- ** PO1NS-07512-06 0023 Neuronal development, interaction and organization - Thalamo-cortical afferents and organization of primary projection cortex (cats)
- PO1NS-07512-06 0025 Neuronal development, interaction and organization - Development of raphe and pontomesencephalic reticular elements (cats)
- PO1NS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
- RO1NS-07720-07 Structure and projections of the cochlear nuclei (cats)
- ** RO1NS-07730-06 Physiology of CNS efferent pathways (cats)
- RO1NS-07888-08 Neural aspects of posture and locomotion (cats)
- ** PO1NS-07938-06 0007 Peripheral and central nervous system - Somatic sensory pathway (mammals)
- PO1NS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)
- RO1NS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)
- RO1NS-08996-05 Peripheral and central studies of neural organization (insects)
- RO1NS-09211-04 Connections of cerebral cortex (primates)
- RO1NS-09404-04 Central control of sensory interneurons (insects, mollusks)
- RO1NS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
- RO1NS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)
- RO1NS-09603-04 The biochemical effects of sensory deprivation (chicks)
- ** RO1NS-09692-04 Semicircular canal afferent responses (teleosts)
- RO1NS-09743-05 Synaptic connections of spinal cord neurons (animals)
- RO1NS-09746-04 Vagal effects on cortical PT-neuron activity (cats)
- PO1NS-09889-04 0015 Investigation of agents which damage the ear - Multi-unit recording related research (cats, guinea pigs)
- RO1NS-09957-03 Postural regulation of loaded crayfish abdomen
- RO1NS-09971-02 Use and disuse of spinal pathways (cats, rats)
- RO1NS-10150-03 Neural systems of ingestive behavior (rats)
- ** RO1NS-10368-01 Receptive field organization of somatosensory cortex (primates)
- RO1NS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- RO1NS-10420-03 Electrophysiology of the genital sensory system (cats)
- ** RO1NS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
- RO1NS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
- RO1NS-10783-03 Segmental reflexes mediated by joint afferent neurons (cats)
- RO1NS-10943-02 Neuronal specificity in the hippocampus (rats)
- ** RO1NS-10978-02 Brain stem sensory connections (human, animals)
- RO1NS-11026-01 An analysis of reinnervated muscle spindles (cats)
- RO1NS-11042-01 Axoplasmic flow in cerebellar afferent systems (cats)
- RO1NS-11080-01 Transduction mechanisms in lateral line organs (amphibians)
- PO1NS-11132-01 0002 Neural basis of effects produced by spinal cord damage - Posttranssectional hyperreflexia (frogs)
- ** PO1NS-11132-01 0006 Neural basis of effects produced by spinal cord damage - Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles)
- RO1NS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
- RO1NS-11237-02 Brain development in normal and mutants (mice)
- PO1NS-11647-01 0007 Peripheral and central auditory mechanisms - Search for the afferent transmitter substance (guinea pig, cat, rat)
- RO1NS-11686-01 Evolution of structure and connections of neocortex (mammals, lizards)
- RO1NS-11695-01 Factors in reflex motor control (cats)
- RO1NS-11751-01 Synaptic integration in a bimodal sensory interneuron
- RO1NS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
- NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES**
- PO1HL-08682-11 0008 Regulation of the cardiovascular system - Spinal regulation of vasomotor and sudomotor outflows (human, dogs, cats)
- RO1HM-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
- ** RO1NS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
- ** RO1NS-04755-11 Parameters of cutaneous communication (human)
- RO1NS-05685-10 Comparative studies of somatic afferent projection (rats, cats, primates)
- ** PO1NS-06828-08 0025 Neurophysiology-Sensory systems and cerebral cortex - Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb
- PO1NS-06828-08 0027 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of warmth sensibility (human, monkeys)
- PO1NS-06828-08 0028 Neurophysiology-Sensory systems and cerebral cortex - Afferent input evoked by a noxious stimulus (monkeys)
- RO1NS-07072-08 Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils)
- ** RO1NS-07505-06 Neural correlates of skin sensibility (cats)
- PO1NS-07938-06 0002 Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)
- PO1NS-07938-06 0007 Peripheral and central nervous system - Somatic sensory pathway (mammals)
- PO1NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
- ** RO1NS-08769-06 Receptors and somatic sensory pathways (cats)
- ** RO1NS-09196-04 Discharge patterns of motoneurons (cats, frogs)
- RO1NS-09472-04 Response of dorsal column nuclei to natural inputs (cats)
- ** RO1NS-09783-04 Parameters of cutaneous coding and pattern perception (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-09809-04 Temperature and pain in CNS (cats, monkeys)
- ROINS-09864-04 Tactile peripheral nerve recordings and psychophysics (human)
- ROINS-09940-03 Responses to suprathreshold vibratory stimulation (human)
- ** ROINS-09970-02 Organization of cutaneous neurons in dorsal horn (cats)
- ROINS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
- ROINS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
- ROINS-10474-01 Tactile perception of speech (human)
- ROINS-11384-01 Central processing of temperature information (monkeys)
- ** ROINS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)
- NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES**
- POIHD-06276-03 0043 Mental retardation research program - Corticofugal influence on ventral posterior nucleus activity (cats)
- POIHD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)
- POIHL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
- ROINS-00847-19 Mechanism of function of higher integrative center (cats, dogs)
- ** ROINS-05685-10 Comparative studies of somatic afferent projection (rats, cats, primates)
- ** ROINS-05982-09 Development of afferent neural centers (opossum)
- ** ROINS-06225-09 0002 Cerebral localization - Comparative studies of brain specialization in mammals (raccoons, rats, cats)
- ROINS-06371-08 Neural correlates of somatic sensibility (monkeys, racoons, opossum)
- ** ROINS-08769-06 Receptors and somatic sensory pathways (cats)
- ** ROINS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- ** POINS-09704-04 0023 Developmental neurology - Receptive field organization of primate somatosensory cortex
- POINS-09704-04 0038 Developmental neurology - Receptive field organization of primate somatosensory cortex
- ROINS-09809-04 Temperature and pain in CNS (cats, monkeys)
- ** ROINS-10865-02 Functional organization of the somatosensory cortex (primates)
- ROINS-11529-01 Spinoreticular mechanism in pain sensation (cats, macaque)
- ROINS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
- ** ROINS-11921-01 Somatosensory systems-Central pain (macaques)
- NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES**
- ** POIHL-06285-14 0180 Cardiovascular-respiratory physiology and biochemistry - Vagal C-fibers and their influence on visceral and somatic function (animals)
- POIHL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
- ** ROINS-07710-06 Sensory and motor aspects of respiration (cats)
- POINS-07938-06 0002 Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)
- ** ROINS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- NERVOUS SYSTEM, CRANIAL NERVES**
- POIDE-02918-06 0007 Oral-facial growth and development in primates - Mastication (M nemestrina)
- ROIHD-07277-02 Development of the nervous system (human)
- ROINS-08335-07 Experimental studies on vestibular mechanism (cats, rabbits)
- ROINS-10019-03 Nerve triphosphoinositol function (cats)
- ROINS-10978-02 Brain stem sensory connections (human, animals)
- NERVOUS SYSTEM, CRANIAL NERVES, ACOUSTIC NERVE**
- SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, COCHLEAR NERVE
- SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, VESTIBULAR NERVE
- ** ROIHM-03831-15 Auditory electrophysiology and behavior (cats, human)
- ROINS-05437-09 Response plasticity during increased synaptic use (cats)
- ROINS-06730-08 Stimulus-related DC potentials of the cochlea (guinea pigs)
- ROINS-07498-07 Peripheral auditory mechanisms (cats)
- PISNS-07791-06 Outpatient research center for sensorineural deafness
- ROINS-08635-05 Cochlear distortion and the role of CM in hearing (guinea pigs)
- ROINS-11000-01 Signal transmission in the auditory system (cats, lizards)
- ROINS-11272-01 Lateral line projections of amphibian
- POINS-11647-01 0003 Peripheral and central auditory mechanisms - Effects of sound deprivation on the maturation of the auditory system (mice)
- POINS-11647-01 0005 Peripheral and central auditory mechanisms - Pharmacological and surgical intervention in the cochlea (cats, guinea pigs)
- POINS-11647-01 0006 Peripheral and central auditory mechanisms - Origin and course of the olivocochlear bundle (mice)
- POINS-11647-01 0007 Peripheral and central auditory mechanisms - Search for the afferent transmitter substance (guinea pig, cat, rat)
- ** POINS-11647-01 0009 Peripheral and central auditory mechanisms - Human VII nerve action potential studies (adults, children)
- ROINS-11804-01 Intracochlear stimulation and prosthesis (human, cats)
- MOIRR-00722-02 0031 General Clinical Research Center - Dizziness and vestibular function in posterior fossa lesions (human)
- NERVOUS SYSTEM, CRANIAL NERVES, CHORDA TYMPANI**
- ROIDE-02152-09 0019 Dental physiology and biophysics - Neurophysiology of taste and chemosensation (mammals, fish)
- ROIES-00880-02 Taste of water-Effects of solutes and adaptation (human, rats)
- ROINS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- NERVOUS SYSTEM, CRANIAL NERVES, COCHLEAR NERVE**
- ** ROINS-07498-07 Peripheral auditory mechanisms (cats)
- ROINS-08193-06 Experimental studies on cochlear mechanisms (guinea pigs, frogs)
- ROINS-08813-05 Structure and function of the inner ear (birds, guinea pigs)
- POINS-09889-04 0014 Investigation of agents which damage the ear - Development of multi-unit recording (cats, guinea pig)
- ROINS-11272-01 Lateral line projections of amphibian
- POINS-11631-01 0047 Clinical center for research on Parkinson's and allied diseases - Evoked and single unit activity to vestibular nerve stimulation
- POINS-11647-01 0001 Peripheral and central auditory mechanisms - Auditory systems in desert rodents (kangaroo rats, pocket mice)
- ** POINS-11647-01 0004 Peripheral and central auditory mechanisms - Morphology of the spiral ganglion cells (mice, cats)
- NERVOUS SYSTEM, CRANIAL NERVES, FACIAL NERVE**
- SEE ALSO BRAIN, PONS, FACIAL NERVE MOTOR NUCLEUS
- SEE ALSO NERVOUS DISORDERS PERIPHERAL, FACIAL PARALYSIS
- SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, CHORDA TYMPANI
- ** P13DE-02731-08 0007 Development support for dental research institute - Oral histology (primates, mice, rats)
- ROIDE-03764-01 Atypical facial pain and disturbed oral sensation (human)
- ROINS-10814-01 Bulbar trigeminal pain mechanisms (monkey)
- NERVOUS SYSTEM, CRANIAL NERVES, HYPOGLOSSAL NERVE**
- ** POIDE-01697-12 0019 Interdisciplinary studies in cleft palate - Morphology of the hypoglossal nerve (human)
- ROIHM-18343-04 Neural lateralization of vocal control (birds)
- NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES**
- ** POIDE-01697-12 0018 Interdisciplinary studies in cleft palate - Innervation of the human larynx
- ROINS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
- ROINS-08728-05 Neuromuscular mechanisms of larynx (monkeys)
- ** ROINS-10154-03 Swallowing in the developing and mature nervous system (cats, primates)
- NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE**
- POIDE-02918-06 0007 Oral-facial growth and development in primates - Mastication (M nemestrina)
- ** R23DE-03612-02 Inflammation and mandibular block anesthesia
- NERVOUS SYSTEM, CRANIAL NERVES, OCULOMOTOR NERVE**
- ** ROIEY-00215-14 Neuropathology and clinical ophthalmological diagnosis (human)
- ** POIEY-00299-09 0006 Neurophysiology of the visual apparatus - Oculomotor integration (decapods)
- POIEY-00299-09 0017 Neurophysiology of the visual apparatus - Muscle force patterns responsible for eye movements (human)
- ** POIEY-00299-09 0018 Neurophysiology of the visual apparatus - Motor units in the phases and type of eye movements (human)
- POIEY-00299-09 0021 Neurophysiology of the visual apparatus - Coordinates of extraocular muscles in steady state (cat)
- ** ROIEY-00592-06 Oculomotor control (monkeys)
- ** ROIEY-00745-03 Neurophysiological studies of the oculomotor system (monkeys)
- ** ROIEY-00955-03 Alert primate oculomotor system
- ROIEY-01049-02 Eye-position information processed in frontal cortex (monkeys)
- ** ROIEY-01074-02 Eye movement-Physiological organization (cats)
- ** POIEY-01186-02 0001 The visual science research center grant - Human oculomotor physiology (and cats, monkeys, dogs)
- ** POIEY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
- ROIHM-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
- ** ROINS-00294-20 Oculomotor system and body postural mechanisms (human, monkeys, cats)
- POINS-03354-13 0007 Neurosensory center - Laboratory of neuropsychology (human)
- POINS-07512-06 0016 Neuronal development, interaction and organization - Neural control of synchronized effector systems (fish)
- ** ROINS-08040-05 Neurophysiology of oculomotor-visual integration (cats)
- ROINS-08335-07 Experimental studies on vestibular mechanism (cats, rabbits)
- ** ROINS-09343-04 Eye-head coordination (monkeys)
- POINS-09823-04 0001 Communicative disorders clinical research center - Vestibular mechanisms in human
- ** POINS-09823-04 0004 Communicative disorders clinical research center - Vestibulo-ocular physiology (human, cats, rabbits)
- ** POINS-10940-02 0003 Otophysiology and otopathology program project - Animal vestibular laboratory (monkeys, cats)
- POINS-11417-01 0005 Core program project in communicative disorders - Vestibular and oculomotor function in aged
- NERVOUS SYSTEM, CRANIAL NERVES, OLFACTORY NERVE**
- SEE ALSO EYE, OPTIC DISC
- ROIEM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)
- POIHD-04147-06 0011 Research in mental retardation - Morphogenic anomalies (human, mice, rats)
- ** ROIHM-06686-12 Correlation of EEG and behavior (cats, rabbits)
- POINS-04053-12 0001 Epilepsy - Neuroanatomy-Degeneration of synapses and deafferentation (rats, cats)
- ** ROINS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
- ROINS-08814-05 Relation of neural responses to odor properties (turtles, frogs, birds, mammals)
- ROINS-09678-04 Fine structure of deafferentation (rats, cats)
- ROINS-11456-02 Axonal glycoproteins and glycosaminoglycans (goldfish, garfish)
- NERVOUS SYSTEM, CRANIAL NERVES, OPTIC NERVE**
- ROIEY-00008-13 Analysis of flicker retinal action potentials (spiders, crabs)
- POIEY-00227-13 0020 The posterior segment of the eye - Human visual evoked responses
- ROIEY-00254-10 Auto and iso-immune response to ocular tissues (guinea pigs)
- ROIEY-00330-08 Ocular pharmacology (human, animals)
- POIEY-00331-08 0005 Retinal morphology, function and clinical characteristics - Morphology and function (human, rats, rabbits)
- ** POIEY-00336-08 0003 CLINICAL STUDENT OF GLAUCOMA - Cup/disk ratio and vertical elongation (human)
- ** POIEY-00336-08 0004 CLINICAL STUDENT OF GLAUCOMA - Cup volume measurements (human)
- POIEY-00336-08 0011 CLINICAL STUDENT OF GLAUCOMA - Fluorescein studies (human)
- ** POIEY-00336-08 0013 CLINICAL STUDENT OF GLAUCOMA - Effect of diphenhydantoin on glaucomatous field loss (human)
- ** POIEY-00336-08 0016 CLINICAL STUDENT OF GLAUCOMA - Unilateral field loss (human)
- POIEY-00336-08 0019 CLINICAL STUDENT OF GLAUCOMA - Small dose hyperosmotic agents and central mechanisms (human)
- ROIEY-00392-07 Functional morphology of the limbus visual system
- POIEY-00523-13 0005 Sensory disease clinical research center (eye disorders) - Low tension glaucoma (human)
- ROIEY-00530-12 A study of structure and function of retinal neurons (monkeys, cat)
- ROIEY-00680-03 Vision-Spatial, temporal and adapting effects (cats, human, monkeys)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01EY-00692-04 Comparative study of glaucoma (monkeys, cats)
 ** R01EY-00792-03 Factors affecting optic papilla oxygenation (cats, primates)
 ** R01EY-00896-03 Mathematical analysis of the optic nerve head (human)
 R01EY-00936-01 Changes in the optic disc in patients with glaucoma
 R01EY-01117-02 Optic tectum—A combined structural and functional study (frogs)
 ** P01EY-01186-02 0005 The visual science research center grant - Clinical and experimental glaucoma (rabbits, monkeys)
 ** R01EY-01248-01 Computer mapping of the optic nerve head (human)
 R01EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
 R01EY-01311-01 Protein transport in retinal photoreceptors and axons (animals)
 P01GM-15991-06 0050 Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)
 R01HD-02138-12 Central nervous system regulation of reproduction (rats)
 R01NS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
 R01NS-10559-02 Myelin sheath structure (mice, rats, chicks)
 R01NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
 R01NS-11237-02 Brain development in normal and mutants (mice)
 R01NS-11259-01 RNA transport in normal and regenerating nerves (fish)
 R01NS-11456-02 Axonal glycoproteins and glycosaminoglycans (goldfish, garfish)

NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE

SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE

- R01DE-02152-09 0012 Dental physiology and biophysics - Neurophysiology of the tooth
 ** R01DE-02152-09 0016 Dental physiology and biophysics - Interaction of noxious and vibratory stimuli (human)
 ** P13DE-02600-08 0031 Planning of a research center in oral biology - Axonal transport in the trigeminal nerve (rats)
 ** P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
 ** P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)
 ** P13DE-02668-08 0016 Dental research center - Fine structure of the trigeminal ganglion (chickens, primates, rodents, human)
 ** P13DE-02668-08 0017 Dental research center - Structure and function of the oral sensory apparatus (human)
 R01DE-03764-01 Atypical facial pain and disturbed oral sensation (human)
 R01ES-00592-03 Odor psychophysics—Intensity, adaptation and masking (human)
 R01EY-00858-01 Herpes simplex of the eye—Pathogenesis and treatment (human, rabbits)
 R01EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
 ** P01GM-15991-06 0108 Anesthesia research center - Trigeminal nerve hyperactivity in relation to pain-like states (cats)
 P01HD-02274-08 0042 Mental retardation and child development - Fine structure of deafferentation (cat, rats)
 R01HD-05835-03 Perinatal immersion effects (sheep)
 P01HD-08658-01 0001 Developmental neurobiology in primates - Development of the nervous system in staged embryos (human)
 P01HD-08658-01 0007 Developmental neurobiology in primates - Placodes and caudal proliferation center (Macaca mulatta)
 R01MH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)
 R01MH-08366-11 Neural control of avian feeding behavior (pigeons)
 P01NS-04053-12 0001 Epilepsy - Neuroanatomy—Degeneration of synapses and deafferentation (rats, cats)
 ** R01NS-08596-06 Neural processes in somatic movement (monkeys)
 R01NS-09678-04 Fine structure of deafferentation (rats, cats)
 ** R01NS-10814-01 Bulbar trigeminal pain mechanisms (monkey)
 R01NS-10978-02 Brain stem sensory connections (human, animals)
 R01NS-11384-01 Central processing of temperature information (monkeys)
 R01NS-11616-02 Study of olfaction in the rat
 R01NS-12078-01 Anatomical organization of the brain (chicks)
 R01OH-00367-03 Respiratory tract irritants—Mechanisms and tolerance (mice, rabbits)

NERVOUS SYSTEM, CRANIAL NERVES, VAGUS

- R01AA-00194-03 0001 Effects of alcohol on gastric mucosa - Topical alcohol on chronic dogs
 R01AM-02015-16 0011 Motor and electrical activity of the alimentary canal - Vagal control of interdigestive myoelectric complex
 ** R01AM-09260-09 Vagal control of gastric secretion (human, chickens, dogs, amphibians)
 ** R01AM-14563-04 Vagal release of gastrin (cats, rhesus monkeys)
 R01AM-16488-02 Autonomic neural control of intestinal contractility (rats, rabbits)
 R01AM-16598-01 Dissection of gastric secretory control (miniature pig)
 R01AM-17082-01 Neural regulation of insulin secretion rate (dogs)
 ** P17AM-17328-01 0004 Peptic ulcer center - Measurement of 'vagal tone' in duodenal ulcer (dogs, human)
 R01AM-17668-01 Factors controlling and modifying insulin secretion (rats, hamsters)
 P01GM-10402-12 0011 Zoophysiology in Alaska - Heterothermous operations of nerves (squirrels, marmots, whaias)
 P01GM-15571-06 0046 Anesthesia research—Program project - Neural regulation (cats, rabbits)
 P01GM-15991-06 0050 Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)
 P01GM-15991-06 0051 Anesthesia research center - Binding of lidocaine in nerves and other tissues (rabbits)
 P01GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
 P01HD-02274-08 0078 Mental retardation and child development - Biochemical mechanisms of anesthetic action (mammals)
 R01HD-06314-03 Crib death and development of cardio-pulmonary reflexes (human)
 R01HD-07377-01 Mechanisms of fetal cerebral vascular control (sheep)
 R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
 R01HL-04512-15 Ultrastructural studies of capillary permeability (rats, mice, dogs)
 ** P01HL-06285-14 0180 Cardiovascular-respiratory physiology and biochemistry - Vagal C-fibers and their influence on visceral and somatic function (animals)
 ** P01HL-06285-14 0181 Cardiovascular-respiratory physiology and biochemistry - Regulation of respiration—Role of vagus nerves (dogs)
 P01HL-06285-14 0188 Cardiovascular-respiratory physiology and biochemistry - Physiology and pharmacology in regulation of airways-hyperirritability (animals)
 P01HL-06285-14 0189 Cardiovascular-respiratory physiology and biochemistry - Physiology, pharmacology in regulation of airways—Mucociliary (animals)
 P01HL-06336-14 0011 Cardiovascular program project - Cardiovascular regulation in myocardial infarction (human)
 ** P01HL-06664-13 0022 Cardiopulmonary function in remediable vascular disease - Effects of myocardial ischemia on control systems in cardiac function (dogs)
 P01HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
 R01HL-10951-07 Reflex control of ventricular contractility (human, dogs)
 R01HL-12564-05 Control of respiration and blood gases (human)
 ** P01HL-13108-05 0013 Clinical heart transplantation - Vagal tone in the decerebrate patient
 R01HL-13187-05 0003 Central neural control of cardiovascular function - Modulation of baroreceptor reflexes (cats)
 ** R01HL-13187-05 0008 Central neural control of cardiovascular function - Central organization of cardiac vagal reflex pathway (cats)
 ** R01HL-13187-05 0009 Central neural control of cardiovascular function - Brain stem sympathetic and cardiac vagal reflex pathways (cats)
 ** P01HL-13480-04 0024 Cardiac electrophysiology - Vagal effects on hemodynamic state
 ** R01HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
 R01HL-13888-12 Regulation of respiratory activity (human, dogs)
 P17HL-14152-04 0003 Pulmonary specialized center of research - Cellular synthesis of surface-active material in RDS (rats, monkeys)
 P17HL-14251-04 0003 Pathophysiology and management of respiratory insufficiency - Hypoxia, hypercapnia and CNS-induced cardiac arrhythmias (cats)
 P01HL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
 R01HL-14901-02 Experimental pulmonary transplantation (baboons)
 P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)

- R01HL-16657-01 Innervation of coronary arteries and heart (cats, Aplysia)
 P01HL-16910-01 0005 Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
 R23HL-17103-01 Control of active expiration (cats)
 R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
 R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)
 R01NS-04656-12 Chemosensors of the nervous system (cats)
 P01NS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)
 R01NS-07436-07 Neural control of gastrointestinal activity (rats, mice, rabbits)
 R01NS-07687-07 Hunger, thirst and water metabolism (rabbits)
 R01NS-08440-06 Metabolic basis of neural function (animals)
 R01NS-09746-04 Vagal effects on cortical PT-neuron activity (cats)
 R01NS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
 P01NS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)
 M01RR-00036-14 0134 General clinical research center - Role of vagolytic drugs in reactive hypoglycemia (human)
 M01RR-00036-14 0188 General clinical research center - Role of vagolytic drugs in reactive hypoglycemia (human)
 ** M01RR-00040-14 0085 General clinical research center - Role of vagus in suppression of premature ventricular contractions (human)

NERVOUS SYSTEM, CRANIAL NERVES, VESTIBULAR NERVE

SEE ALSO BRAIN, VESTIBULAR PATHWAYS

- R01EY-00956-03 Tin effects on orientation selectivity of visual cells (cats)
 R01NS-01330-18 Physiology of vestibular system (monkeys)
 R01NS-02619-15 Studies on motor control (cats)
 ** R01NS-06563-08 Evaluation of some central and peripheral vestibular mechanisms (human, monkeys)
 P01NS-06890-07 0014 Sensory processes - Electrophysiological studies of auditory system (fish)
 R01NS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
 P01NS-09889-04 0014 Investigation of agents which damage the ear - Development of multi-unit recording (cats, guinea pig)
 ** P01NS-10940-02 0002 Otophysiology and otopathology program project - Human cochlear and vestibular function
 ** P01NS-10940-02 0003 Otophysiology and otopathology program project - Animal vestibular laboratory (monkeys, cats)
 R01NS-11272-01 Lateral line projections of amphibia
 ** P01NS-11631-01 0043 Clinical center for research on Parkinson's and allied diseases - Neurophysiological evidence of vestibular projections (cats)
 ** P01NS-11631-01 0047 Clinical center for research on Parkinson's and allied diseases - Evoked and single unit activity to vestibular nerve stimulation
 P01NS-11647-01 0004 Peripheral and central auditory mechanisms - Morphology of the spiral ganglion cells (mice, cats)
 ** M01RR-00053-13 0063 Clinical research center - Vestibular stimulation during sleep in young adults

NERVOUS SYSTEM, EFFERENT NERVES

SEE ALSO NERVOUS SYSTEM, NEUROEFFECTORS

SEE ALSO NEUROMOTOR SYSTEM

- R01AM-14563-04 Vagal release of gastrin (cats, rhesus monkeys)
 P17AM-17047-01 0002 Diabetes-endocrinology research center - Physiological studies in the baboon
 R01EY-00392-07 Functional morphology of the limulus visual system
 ** R01EY-00607-09 Visual and non-visual cortical efferents (rabbits)
 R01EY-00828-03 Anatomy and physiology of visuomotor systems (cats, fish)
 ** R01EY-00909-03 Anatomical correlates of subcortical visual function (animals)
 P01HD-01799-09 0001 Mental retardation research center - Development of inter-neuronal communication processes
 ** R01HL-14563-03 Efferent nerve impulse traffic in hemorrhagic shock (dogs)
 R01HL-15357-02 Etiologic mechanisms of renal hypertension (dogs)
 R01MH-13581-06 Olfaction in behavioral functions of limbic system (rats)
 P01MH-25515-01 0001 Collaborative biological research on schizophrenia - Neuroanatomy (monkeys)
 R01NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
 ** R01NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
 R01NS-02957-14 Suprasegmental influences on spinal motoneurons (baboons)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-03970-12 Neural basis of respiratory and vasomotor activity (cats)
- ROINS-03989-12 Comparative study of nerve ultrastructure (animals)
- ROINS-04082-12 Anatomy of basal ganglia and related nuclei (monkeys)
- ROINS-05016-11 Electro-anatomy of the cochlea (guinea pigs)
- POINS-06828-08 0021 Neurophysiology-Sensory systems and cerebral cortex - Parietal areas 5 and 7 of cerebral cortex of the monkey
- ROINS-07410-07 A comparative study of the extrapyramidal system (opossum)
- POINS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)
- ** ROINS-08451-06 Efferent projections of the vestibular nuclei (cats)
- ROINS-09196-04 Discharge patterns of motoneurons (cats, frogs)
- ROINS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
- ** POINS-09704-04 0035 Developmental neurology - Hippocampal efferents using autoradiographic techniques
- ROINS-09957-03 Postural regulation of loaded crayfish abdomen
- ROINS-10137-03 Upper and lower motoneurons (Boa constrictor)
- ROINS-10371-02 Degenerative and regenerative changes in CNS (cats)
- ROINS-10783-03 Segmental reflexes mediated by joint afferent neurons (cats)
- ROINS-10806-01 Connections of auditory cortex (monkeys)
- ROINS-10806-01 Connections of identifiable neurons during maturation (lamprey)
- ROINS-10978-02 Brain stem sensory connections (human, animals)
- ROINS-11006-02 Evolution of the telencephalon (amphibians, lungfish)
- ROINS-11026-01 An analysis of reinnervated muscle spindles (cats)
- ROINS-11589-01 Integrative neuroanatomy (rats, mice)
- ROINS-11686-01 Evolution of structure and connections of neocortex (mammals, lizards)
- ROINS-12078-01 Anatomical organization of the brain (chicks)
- NERVOUS SYSTEM, GANGLIA**
SEE ALSO EYE, RETINAL GANGLION
SEE ALSO NERVOUS NEOPLASMS, GANGLIONEUROMA
SEE ALSO NERVOUS SYSTEM, PARAGANGLIA
SEE ALSO NERVOUS SYSTEM AUTONOMIC, AUTONOMIC GANGLIA
- ROIES-00814-05 Mode of action of insecticides (American cockroach, flies)
- ROLEY-00392-47 Functional morphology of the limulus visual system
- POIHD-03015-08 0011 Program for developmental biology - Development of neuronal pathways (lobsters)
- ** POIHD-03015-08 0013 Program for developmental biology - Dissociated and cultured nerve cells-Growth factors (mice, chickens)
- ** POIHD-03015-08 0031 Program for developmental biology - Stomatogastric, stellate and cardiac ganglions (squids, lobsters)
- ROIHL-04512-15 Ultrastructural studies of capillary permeability (rats, mice, dogs)
- POIHL-06682-11 0011 Regulation of the cardiovascular system - Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits)
- ** POIHL-13480-04 0019 Cardiac electrophysiology - Pacemaker cells of abdominal ganglion (Aplysia)
- ROIHM-19691-04 Interrelations between chemical and behavioral plasticity (Aplysia, rats)
- ** ROIHM-19795-03 Learning mechanisms in abdominal ganglion of Aplysia
- ROIMH-24382-01 Neural control of feeding (crayfish)
- POINS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
- ** ROINS-02944-14 Neural organization in ganglia (crayfish)
- ** POINS-03356-14 0028 Neurological clinical research center - Measles infection of cultured dorsal root ganglion (hamster)
- POINS-03627-12 0009 Cerebral and related systems - Insect nervous system studies (fly, honeybee)
- ROINS-04989-11 Integration of sensory input (clams, crayfish)
- ROINS-07606-06 Dissociated neural cell nerve growth factor (human, mice, chick embryo)
- ROINS-07778-07 Neural development (crickets)
- ROINS-08443-06 Peripheral and central modulation of specific neurons (Aplysia)
- ROINS-08996-05 Peripheral and central studies of neural organization (insects)
- ** ROINS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
- ROINS-09330-04 Development of neurons and related cells in vitro (Drosophila)
- ROINS-09339-04 Chemistry of plastic changes in neurons (Aplysia)
- ROINS-09361-04 Plasticity of the simplest neuronal pathways (animals)
- ROINS-09418-03 Anatomic and physiologic correlation in the neuropil (crayfish)
- ** ROINS-09474-04 Integrative mechanisms in ganglia (decapods)
- ROINS-09836-03 Cholinergic nerve ending particles
- ROINS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- ** ROINS-10393-03 General anesthetics and sympathetic ganglia
- ROINS-10485-03 Local anesthetics, nerves and bilayers
- ROINS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
- ** ROINS-10614-02 Neurochemistry of ganglion in culture (lobsters)
- ROINS-10629-02 Interactive computer graphic
- ROINS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
- ROINS-10677-02 Cholinomimetic compounds in digestive gland (mollusks)
- POINS-11255-01 0009 Comparative neurobiology (Aplysia, fish, sea lions) - Unmyelinated fibers in the ventral root (cats)
- ROINS-11353-01 Energy requirements for neuronal activity (cockroaches)
- ROINS-11519-01 The regulation of neuronal protein synthesis (Aplysia)
- ROINS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
- ROINS-11751-01 Synaptic integration in a bimodal sensory interneuron
- ROINS-11804-01 Intracochlear stimulation and prosthesis (human, cats)
- ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
- ROINS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
- NERVOUS SYSTEM, GANGLIA, PREGANGLIONIC FIBERS**
- ** ROINS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- NERVOUS SYSTEM, GANGLIA, SPINAL GANGLIA**
- POIHD-03015-08 0014 Program for developmental biology - Growth regulation in individual nerve cells (chick embryo)
- ROIHM-20142-03 Mechanism of action of psychotomimetic drugs (rats, frogs)
- ROINS-03756-12 Histogenesis in normal and abnormal brain (mice)
- ** ROINS-03989-12 Comparative study of nerve ultrastructure (animals)
- ROINS-05982-09 Development of afferent neural centers (opossum)
- POINS-06827-08 0003 Integrated approaches to neurobiological problems - Morphological studies with EM (axolotl)
- ROINS-07541-07 Experimental hypertrophic neuropathy (rats, rabbits, cats)
- POINS-08711-04 0012 Fundamental studies relating to multiple sclerosis - Pathogenesis of herpetic disease in the nervous system of mice
- ** ROINS-08770-04 Neuromuscular relations in organotypic cultures (mice, rats)
- ROINS-10648-02 Experimental neuropathology in tissue culture
- ROINS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
- ROINS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
- NERVOUS SYSTEM, GANGLIOTYPES**
- POIHD-03352-07 0004 Wisconsin center on mental retardation - Developmental neurophysiology (rodents, cats, raccoons)
- POIHD-06276-03 0051 Mental retardation research program - Later gestational changes in the brain (human)
- NERVOUS SYSTEM, MYELIN**
SEE ALSO NERVOUS DISORDERS, DEMYELINATION
- POIAM-09001-10 0049 Biochemistry and immunology of blood diseases - Membrane systems of rat lung (rats)
- ** ROIAM-09432-10 Fine structure and localization of cholesterol (mice, rats, human)
- ROIAM-11295-08 Physical studies of biological macromolecules
- ROIAM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)
- ROIAM-16186-02 0002 Inhibition of scars in tendon and nerve injury - Nerve studies (rats)
- ROIAM-08676-10 Regulation of mammalian enzyme synthesis (rats)
- P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)
- ** ROIES-00412-06 0008 Mechanisms of insecticide resistance - Myelin structure (fish)
- ROIES-00840-01 Cellular studies of vertebrate insecticide resistance (mosquitofish)
- ROIHD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
- POIGM-12847-10 0020 Molecular biology of membrane systems - Fusion of biological membranes
- ROIEM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)
- ROIEM-18921-03 Phospholipid-protein interactions and membrane function
- ROIHD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- ** POIHD-04147-06 0018 Research in mental retardation - Metabolic stability of myelin (rats)
- POIHD-04147-06 0021 Research in mental retardation - Polyzsomer-Merzbacher disease (human)
- ROIHD-04575-05 Glial and myelin lipids in developing and mature brain (rats, cattle)
- POIHD-05342-04 0013 Mental retardation and brain development - Lipid analysis of brain subcellular fractions during development (rats)
- POIHD-05796-03 0001 Aging in connective tissue, brain and auditory system - Organization of chromatin proteins and RNA (mice, dogs)
- ** POIHD-06276-03 0006 Mental retardation research program - Prunella glial cell (Macaca)
- ROIHD-07340-01 Membranogenesis in cretinism and hyperthyroidism
- ROINS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- ROINS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- ** ROINS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
- ROINS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- ROINS-03101-14 Phospholipids of the nervous system (animals)
- ROINS-03114-13 Tissue culture of nervous tissue (mammals, human)
- ROINS-03147-14 Experimental allergic encephalomyelitis (guinea pigs, rats, rabbits, bacteria)
- ** ROINS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- ** POINS-03356-14 0009 Neurological clinical research center - Developmental study of CNS myelin (mice)
- ** POINS-03356-14 0032 Neurological clinical research center - Other studies with CNS myelin (rats)
- POINS-03356-14 0045 Neurological clinical research center - Cholesterol esterifying enzymes (rats)
- ROINS-05188-11 Ion movements and permeability of axon membranes (annelids, frogs, rats)
- ** ROINS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
- ROINS-08174-06 Molecular properties of ionic permeability in nerve (frogs)
- ** ROINS-08278-06 Structure, metabolism and function of myelin proteins (animals)
- ** ROINS-08291-04 Myelin biosynthesis and turnover (human, mice)
- ROINS-08409-06 Ionic conductance in nerve at low temperatures (squid)
- ** POINS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- ** POINS-08711-04 0002 Fundamental studies relating to multiple sclerosis - Tissue culture studies of amyotrophic lateral and multiple sclerosis (human)
- ** POINS-08711-04 0003 Fundamental studies relating to multiple sclerosis - Myelin and white matter glial cells (human, cattle)
- ROINS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
- ROINS-09003-05 Structure, function, and assembly of nerve membranes (rats)
- ROINS-09639-04 Enzyme systems in the brain (cattle, human)
- ** ROINS-10237-03 Glial cell membranes and myelin (rodents, rabbits)
- ** POINS-10299-03 0018 Biophysical and biochemical studies of cellular membranes - Low temperatures and cryoprotective agents on myelin and retinal rod structure
- ROINS-10344-01 Myelin constituents in murine leukodystrophy (mice)
- ** ROINS-10437-03 Assembly of cerebral myelin membranes (rats)
- ** ROINS-10465-01 Comparison of myelin and oligodendrocyte membrane (rats, cattle)
- ** ROINS-10559-02 Myelin sheath structure (mice, rats, chicks)
- ** ROINS-10681-02 Structural neuroanatomy of myelin (human, fish, earthworm, shrimp, mice)
- ** ROINS-10763-06 Myelin synthesis in normals and diabetics (mice, human, dog, cat, rabbit, rat)
- ** ROINS-10821-02 Chemistry and metabolism of CNS myelin-free axons (cattle, rat)
- ** ROINS-10837-01 Model studies of myelin stability
- ROINS-10861-02 Clonal lines of nervous system cells in tissue culture (human, rats)
- ** POINS-10920-02 0002 Development and regeneration in the nervous system - Comparison of oligodendrocytes and myelin (calves, rats)
- POINS-10920-02 0003 Development and regeneration in the nervous system - Maturing oligodendrocytes in developing brain (rats)

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(cont'd)

- ROINS-10931-01 Brain glycolipids in MS and virus diseases (human, monkeys)
- ROINS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)
- ** POINS-11418-01 0001 Studies in demyelinating diseases - Structure and metabolism of myelin proteins (human, animals)
- POINS-11418-01 0002 Studies in demyelinating diseases - Induction of tolerance in EAE (human, monkeys)
- ** POINS-11418-01 0003 Studies in demyelinating diseases - Sequence of multiple sclerosis myelin basic protein (human)
- ROINS-11425-01 Development in vitro and mutant CNS (mice)
- ROINS-11451-01 Immunopathogenesis of virus (sheep)
- ** ROINS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
- ** ROINS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
- ROINS-11670-01 Developmental regulation of brain sterol synthesis
- ** ROINS-11867-01 Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits)
- ** ROINS-12044-01 Myelin constituents in murine leucodystrophy
- NOINS-60940-13 Cytomyelo and dendritic-architecture of the monkey brain
- PO7RR-00639-01 0002 Interdepartmental-NMR facility health center - Chemical basis of anesthesia
- MO1RR-00722-02 0034 General Clinical Research Center - Multiple sclerosis (human)
- NEUROUS SYSTEM, MYELINATION**
- ROIAM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)
- ROIAM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
- ROIDE-02863-07 Differentiation of embryonic tooth rudiments in vitro (mice)
- POIES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)
- ** POIES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- ROIEY-01281-01 Developmental analysis of retinal synaptic organization (animals)
- ROIFD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
- POIGM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
- ROIHD-05285-03 Experimental phenylketonuria (rats)
- ** POIHD-05874-04 0004 Biochemical regulation of aging processes - Biochemistry of nerve tissue maturation (mice, rats)
- ** POIHD-06276-03 0009 Mental retardation research program - Postnatal maturation of neurons in infants (human)
- POIHD-06276-03 0037 Mental retardation research program - Abnormalities in sternal arbor metabolism in brain diseases (human, monkeys)
- ** POIHD-06276-03 0046 Mental retardation research program - Cholesterol in developing and regenerating nervous system (rats, mice)
- ** POIHD-06276-03 0047 Mental retardation research program - Effect of demyelinization on myelination in developing rat (electron microscopy)
- POIHD-06276-03 0049 Mental retardation research program - Perinatal telencephalic leucoencephalopathy (human)
- POIHD-06276-03 0050 Mental retardation research program - Effects of irradiation upon myelinating telencephalon (rats)
- ** POIHD-06276-03 0082 Mental retardation research program - Delay of myelination proximal to axonal transection in neonates (human)
- POIHD-06276-03 0083 Mental retardation research program - Growth of myelin sheath and axon in sciatic nerve of undernourished rats
- ** POIHD-06576-01 0007 Molecular aspects of mental retardation - Sterol esters in CNS in relation to myelination - Ketone bodies in metabolism
- ROIHL-02477-18 Biosynthesis and function of lipids (microorganisms)
- ROIHL-09744-10 Experimental vascular sclerosis (monkeys)
- ** ROIHL-11552-07 Lipids and proteins in coagulation and myelination (human, rats, cattle)
- ** ROINS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- ROINS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
- ** ROINS-06239-09 Chemical cytology and pathology of nervous tissue (fish, bullfrogs)
- ** ROINS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
- ** ROINS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)
- POINS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- ** ROINS-08719-06 Biochemical studies of myelination (human, cats, rats)
- ROINS-03989-12 Brain function during altitude acclimatization (rats)
- ROINS-08997-05 0002 Fine structural alterations in CNS viral disease - Virus induced demyelinating disease (hepatitis virus, mice)
- ** ROINS-09378-04 Neurological mutants (mice)
- ROINS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- ** ROINS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
- ** ROINS-09944-03 Biochemistry of the developing brain (mice)
- ROINS-09990-01 Undernutrition and the immature nervous system (rats)
- ROINS-10013-02 Phospholipid biosynthesis in developing brain (rats, pigs)
- ** ROINS-10221-02 Biochemical aspects of myelination (rats, mice)
- ** ROINS-10344-01 Myelin constituents in murine leucodystrophy (mice)
- ** ROINS-10559-02 Myelin sheath structure (mice, rats, chicks)
- ROINS-10648-02 Experimental neuropathology in tissue culture
- ** ROINS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
- ** POINS-10920-02 0004 Development and regeneration in the nervous system - Alteration of myelin in culture (rats)
- ** POINS-10920-02 0018 Development and regeneration in the nervous system - Remyelination after experimental demyelination (mice)
- ROINS-11237-02 Brain development in normal and mutants (mice)
- POINS-11255-01 0009 Comparative neurobiology (aphasia, fish, sea lions) - Unmyelinated fibers in the ventral root (cats)
- ROINS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
- ROINS-12047-04 0001 Role of lipids and lipoproteins in membranes - Brain polyphosphoinositides (rats)
- ROINS-12113-01 Pentose phosphate pathway in neural tissue (rats)
- NEUROUS SYSTEM, NERVE ENDINGS (GENERAL)**
- POIAM-08445-10 0011 Biology of skin of man and other primates - Comparative morphological investigations (human, mole, opossum)
- POIAM-16716-01 0009 Pathophysiological bases of muscle diseases - Trophic effects of neurons on skeletal muscle (rats)
- ROIAM-16879-01 Neuro-endocrine studies in cell culture system (mice)
- ** POIDA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
- ROIDA-00538-01 Thiamine deficiency (rats, mice)
- POIES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)
- ROIEY-00184-21 Functional development of eye (human, monkey, rabbits)
- ROIHD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- POIHD-04147-06 0008 Research in mental retardation - Neuroendocrinology
- ROIHL-11114-07 Electron microscopy of the jugtaglomular apparatus (rats, rabbits)
- POIMH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues-Effect of cations (rats)
- POIMH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum
- ROIMH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
- ROIMH-20686-03 Psychotropic agents and aminergic receptors
- ROINS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ** ROINS-03304-13 0004 Proteins in excitable membranes - Monocellular electroplax and membrane excitability studies
- ** ROINS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- ROINS-04656-11 Protein synthesizing machinery (frogs)
- ** ROINS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
- ROINS-07436-07 Neural control of gastrointestinal activity (bats, mice, rabbits)
- ** ROINS-07662-08 Structure of nerve endings (rats, chickens)
- ROINS-07918-06 Cations and brain glycolytic enzymes (human)
- POINS-07938-06 0001 Peripheral and central nervous system - Chemoreceptor receptors (cats, frogs)
- POINS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)
- ROINS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
- ROINS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
- ROINS-08674-05 Choline and acetylcholine transport and metabolism (mice)
- ** ROINS-09836-03 Cholinergic nerve ending particles
- ROINS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
- ROINS-10124-03 Drug effects on membrane-bound enzyme cholinesterase (cats, rats, frogs)
- ROINS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- ** ROINS-10320-02 Transmitter release by nerve terminals
- ROINS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
- ROINS-10832-01 Trophic interactions at synapses (chickens)
- ROINS-10883-01 Transmitter release at the nerve-muscle junction (frogs)
- ROINS-10906-01 Connections of identifiable neurons during maturation (lamprey)
- ROINS-10969-01 Electron microscopy of human muscle spindles
- ROINS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
- ROINS-11026-01 An analysis of innervated muscle spindles (cats)
- ** ROINS-11177-01 Neural role in muscular dystrophy (chickens)
- ** ROINS-11254-01 Projections of midbrain reticular formation (cats)
- POINS-11255-01 0009 Comparative neurobiology (aphasia, fish, sea lions) - Unmyelinated fibers in the ventral root (cats)
- ROINS-11272-01 Lateral line projections of amphibia
- ROINS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
- ROINS-11386-01 Experimental neuropathies-Correlative studies (cat)
- ROINS-11589-01 Integrative neuroanatomy (rats, mice)
- ** ROINS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)
- POINS-11647-01 0007 Peripheral and central auditory mechanisms - Search for the afferent transmitter substance (guinea pig, cat, rat)
- ROINS-11666-01 Genetics of neuronal growth and development (mice)
- ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
- ROINS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
- MO1RR-00069-12 0024 General clinical research center, children - Pseudohypoparathyroidism
- NEUROUS SYSTEM, NERVE ENDINGS, SYNAPSES**
- ROIAA-00368-01 Alcohol dependence-Synaptic neurotransmitter uptake
- ** ROIAA-03998-12 0005 Cellular regulatory mechanisms at the molecular level - Membrane excitation and regulation of synaptic properties (electric fish, mice)
- ROIAM-17632-01 Neurophysiological control of GI motility (guinea pigs, rats, rabbits)
- ROICA-11322-06 Nucleic acid function in relation to cancer (E coli, animals)
- ** POICA-14097-02 0014 Cancer research program-Viruses; control mechanisms - Neuronal connections, synaptic function and plasticity (mammals)
- POIDA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
- ROIDA-00803-01 Mechanism narcotic addiction
- ** ROIES-00649-03 Lead and mercury ions and chemical synapse (frogs)
- ROIES-00814-05 Mode of action of insecticides (American cockroach, flies)
- ROIEY-00017-08 Electric sign of single photoreceptors (fish, lizards, turtles)
- ROIEY-00097-12 Development and organization of visual pathways (rabbits)
- ROIEY-00258-11 Cytology and physiology of the retina (animals)
- ** ROIEY-00379-06 Functional organization of the retina (rats, skate)
- ROIEY-00392-07 Functional morphology of the limulus visual system
- ROIEY-00395-06 Maturation of metabolism in normal and dystrophic retina (mice)
- ** POIEY-00396-07 0025 Basic ophthalmic research program - Factors affecting the excitability of retinal neurons
- ** ROIEY-00561-05 Intracellular studies of retina function (Necturus)
- ROIEY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
- ROIEY-00599-05 Morphological studies of the visual system (animals)
- ROIEY-00624-04 Experimental analysis of retinal development (amphibians)
- ** ROIEY-00683-04 Cytology, cytochemistry and synapses of dog retina
- ** ROIEY-00777-03 Neural interactions of the retina (dragonflies)
- ROIEY-00811-03 Anatomy of the visual system (animals) (contd)

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- ROIEY-00824-04 Structure and function of vertebrate visual systems (animals)
- ROIEY-00848-03 Motoneuron and motor unit control of eye movements (monkeys, cats)
- ROIEY-00888-03 The developing and adult visual system (human, animals)
- ROIEY-00973-02 Electrophysiology of retinal amacrine cells in vision (mind peeples)
- ROIEY-00998-02 Receptive field organization in visual system (cats)
- ROIEY-01018-02 Structure and development of the visual system (mice, human)
- ROIEY-01063-02 Correlation of structure and function in retina (dogfish)
- ROIEY-01086-02 Structure and development of visual cortex (primates)
- ROIEY-01098-02 Teratogenic and toxic effects of ophthalmic drugs (rats)
- ROIEY-01117-02 Optic tectum—A combined structural and functional study (frogs)
- ROIEY-01188-02 Neural mechanisms in processing visual information (harmacies)
- ROIEY-01190-02 Pathways for color vision in retinas (goldfish)
- ** ROIEY-01281-01 Developmental analysis of retinal synaptic organization (animals)
- ROIEY-01331-01 Development studies of the visual system (cats)
- ROIEY-01362-01 Mechanisms of vision (fishes, limulus)
- ROIEY-01398-01 Serial section analysis of developing mouse retina
- ROIGM-08285-13 Thiamine function in nerve tissue (chick embryo)
- ROIGM-10797-09 0011 Pattern recognition in clinical medical laboratories - Electron micrograph of brain tissue
- ROIGM-11754-11 Autoradiographic studies of receptors and enzymes (monkeys, rodents, chickens)
- POIGM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
- PIIGM-15190-08 0015 Center for toxicological research and training - Drugs affecting autonomic nervous system (rats, human)
- POIGM-15571-06 0046 Anesthesia research—Program project - Neural regulation (cats, rabbits)
- POIGM-15991-06 0100 Anesthesia research center - General anesthetics—Central targets (cats, monkeys)
- POIGM-16437-06 0003 Biomedical engineering program project - Neural systems (frogs, mollusks)
- ROIGM-19582-02 Chromosome structure and meiotic mechanism (starch)
- POIHD-01799-09 0001 Mental retardation research center - Development of inter-neuronal communication processes
- POIHD-01799-09 0003 Mental retardation research center - Developmental morphophysiology of immature mammalian brain
- ** POIHD-01799-09 0012 Mental retardation research center - Synaptic function-subcellular fractionation techniques
- POIHD-02274-08 0015 Mental retardation and child development - Ophthalmology (human, primates, rats)
- POIHD-02274-08 0042 Mental retardation and child development - Fine structure of deafferentation (cat, rats)
- POIHD-02274-08 0067 Mental retardation and child development - Effects of vinblastine sulfate on retina (rabbits)
- ** POIHD-03015-08 0031 Program for developmental biology - Stomatogastric, stellate and cardiac ganglions (squids, lobsters)
- ROIHD-04248-06 Function of electrical coupling in embryonic tissues (marine fish, crayfish)
- POIHD-05342-04 0013 Mental retardation and brain development - Lipid analysis of brain subcellular fractions during development (rats)
- POIHD-05796-03 0005 Aging in connective tissue, brain and auditory system - Changes in the auditory cortex (rats)
- POIHD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
- POIHD-05958-03 0007 Neurophysiology and neuropsychology in mental retardation - Electrophysiology and response plasticity of neurons (human, cats)
- ROIHD-06862-02 Environmental effects on rat brain synapses
- ROIHD-07340-01 Membranogenesis in cretinism and hyperthyroidism
- POIHD-08658-01 0001 Developmental neurobiology in primates - Development of the nervous system in staged embryos (human)
- POIHD-08658-01 0003 Developmental neurobiology in primates - Commissural plate and pyramidal tracts in fetuses (human)
- ROIHL-13187-05 0008 Central neural control of cardiovascular function - Central organization of cardiac vagal reflex pathway (cats)
- ROIHL-13616-05 Morphology of reflexogenic zones of heart (cats, monkeys)
- POIHL-16117-01 0006 Ion movements and membranes in cardiovascular control - Neuroreceptors and cellular excitation (fish)
- ROIHM-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
- ROIHM-14110-07 0021 Neural modulation and transmission - Aromatic neuroamino acids
- POIMH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- ROIHM-16841-06 0010 Effect of central nervous system lesions on drug action - Characteristics of evoked potentials from isolated olfactory cortex (guinea pigs)
- ROIHM-16841-06 0012 Effect of central nervous system lesions on drug action - Specific decreases in glutamate and aspartate
- ROIHM-17387-05 Anti-psychotic drugs—Role of cyclic AMP (human, mice)
- ROIHM-19691-04 Interrelations between chemical and behavioral plasticity (Aplysia, rats)
- ROIHM-19795-03 Learning mechanisms in abdominal ganglion of Aplysia
- ROIHM-20142-03 Mechanism of action of psychotomimetic drugs (rats, frogs)
- ROIHM-21042-03 Folic acid and behavior
- ROIHM-21730-03 Role of metal chelates in biogenic amine activity
- ** ROIHM-21875-03 Biochemical studies of brain synapse regions (rats)
- ROIHS-00282-22 Neurohumoral transmitters and related drugs (animals)
- ROIHS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
- ** ROIHS-00884-18 Synaptic transmission in autonomic ganglia (frogs)
- ROIHS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ROIHS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- ROIHS-01687-16 Neuropharmacology of the postsynaptic membrane (aplasia)
- ** POIHS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, necturus)
- ** POIHS-02253-15 0002 Neurophysiological and neurochemical studies - Studies of fibroblasts and neurons in tissue culture
- ** POIHS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
- ROIHS-02944-14 Neural organization in ganglia (crayfish)
- ROIHS-03273-13 Studies on cell interconnections (rats, mice)
- ROIHS-03659-13 Fine structure of the nervous system (rats, mollusks)
- ROIHS-03728-11 Generation and role of bioelectric activity (animals)
- ROIHS-04064-12 Amino acids and protein in brain structure and function (animals)
- ** ROIHS-04119-11 Plasticity of synaptic mechanisms (cats)
- ROIHS-04270-12 Molecular neurobiology—Proteins of the nervous system (rodents, snakes)
- POIHS-04513-11 0009 Coordinated basic and clinical brain research program - Development of nerve terminals in explants of cerebellum (mice)
- ** ROIHS-05264-10 Significance of neuronal discharge parameters (mollusks, fish)
- ** ROIHS-05437-09 Response plasticity during increased synaptic use (cats)
- ROIHS-05572-10 0002 Ultrastructural basis of neuropsychiatric disease - Neuropathology of the neonatal rat
- ROIHS-05606-10 Interactions between neurons (cats, crayfish, rabbits)
- ** ROIHS-05611-10 Spinal synaptic transmission and biogenic amines (cats)
- ** ROIHS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- ROIHS-05638-10 Central neural regulation of body fluids (animals)
- ** ROIHS-05721-10 Neurogenesis and development of behavior (chick embryos)
- ** ROIHS-06115-10 Anatomy of the auditory system (cats, rats)
- ** ROIHS-06232-09 Formation and function of synapses (animals)
- ** ROIHS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- ROIHS-06537-08 Neurophysiological study of neuroendocrine activity (rats, frogs)
- ** ROIHS-06551-09 Anatomical analyses of cortical systems (turtles, mammals)
- ** ROIHS-06662-08 Architectonic and synaptic organization in the brain (animals)
- ROIHS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
- ROIHS-06809-08 Comparative studies of the vestibular system (animals)
- ** ROIHS-06820-07 Pharmacology of synaptic transmission in brain (cats)
- ** POIHS-06827-08 0003 Integrated approaches to neurobiological problems - Morphological studies with EM (axolotl)
- ROIHS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
- ROIHS-06925-09 The fine structure of the nervous system (monkeys)
- ROIHS-06948-09 Pallidal inhibition of brainstem activity (cats)
- ROIHS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- ROIHS-07065-06 Properties of isolated acetylcholine receptor (electric fish)
- ** ROIHS-07154-07 Calcium actions on central nervous system neurons (animals)
- ** POIHS-07376-07 0006 Univ Chicago head injury center - Immunocytochemical studies on synaptic membranes (cats, rabbits)
- ** ROIHS-07442-08 Physiology of synapses in normal and mutants
- ROIHS-07472-05 Fine structure of taste buds and related receptors (rabbits, insects)
- ** POIHS-07512-06 0017 Neuronal development, interaction and organization - Morphophysiology of electronic junctions (fish)
- ** POIHS-07512-06 0018 Neuronal development, interaction and organization - Chemical transmission at a vertebrate central synapse (fish)
- ** POIHS-07512-06 0022 Neuronal development, interaction and organization - Plasticity of synaptic reorganization in relation to central neurons (cats)
- POIHS-07512-06 0023 Neuronal development, interaction and organization - Thalamo-cortical afferents and organization of primary projection cortex (cats)
- POIHS-07512-06 0025 Neuronal development, interaction and organization - Development of raphe and pontomesencephalic reticular elements (cats)
- ** POIHS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
- POIHS-07512-06 0028 Neuronal development, interaction and organization - Interactions between neural and endocrine integrative centers (insects)
- ** POIHS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
- POIHS-07512-06 0030 Neuronal development, interaction and organization - Inhibitory activities of thalamic neurons (cats)
- POIHS-07512-06 0031 Neuronal development, interaction and organization - Developmental alterations in brains of cretinoid rats
- POIHS-07512-06 0032 Neuronal development, interaction and organization - Development of melanoblasts and pigmented cells of brain and meninges (amphibian)
- ROIHS-07609-07 Integrative mechanisms of cortical neurons (rabbits, frogs)
- ROIHS-07662-08 Structure of nerve endings (rats, chickens)
- ** ROIHS-07666-07 Sites of callosal thalamic and associational synapses (rats, monkeys)
- ROIHS-07681-07 Physiology of muscle function (frogs, amoeba)
- ROIHS-07778-07 Neural development (crickets)
- ROIHS-07825-07 Development of the hypothalamus (rats)
- ** ROIHS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- ROIHS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
- ** ROIHS-07872-08 Biochemical studies of synapse membrane (rats, chickens)
- ROIHS-07907-07 Vertebrate muscle receptors (mammals, reptiles)
- ** POIHS-07938-06 0003 Peripheral and central nervous system - Quantum hypothesis and spinal motoneurons
- ** POIHS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
- POIHS-07938-06 0007 Peripheral and central nervous system - Somatic sensory pathway (mammals)
- ROIHS-07945-04 Aerobic mitochondrial regulatory processes (rabbits, rats)
- ** ROIHS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
- ** ROIHS-08108-07 Escape reflex—Physiology of habituation (crayfish)
- ROIHS-08137-06 Membrane activity theory
- ROIHS-08153-04 Parameters of ontogenesis of cortical neurons (dogs, ferret)
- ROIHS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
- ROIHS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
- ** ROIHS-08346-07 Long-term interactions of neurons and glia (neoturus, crustaceans)
- ROIHS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)
- ROIHS-08440-06 Metabolic basis of neural function (animals)
- ROIHS-08443-06 Peripheral and central modulation of specific neurons (Aplysia)
- ** ROIHS-08444-06 Post-synaptic electroplaque membrane (eel)
- ** ROIHS-08597-06 Synaptic membrane structure and function (rats)
- ROIHS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
- ROIHS-08603-05 Autoradiography of intracellularly applied chemicals (cats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** ROINS-08669-05 Ontogenesis of visual synaptic neuropiles (files)
 ROINS-08769-06 Receptors and somatic sensory pathways (cats)
 ROINS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
 ROINS-08997-05 0001 Fine structural alterations in CNS viral disease - Viral teratogenesis (hamsters, Kilham rat virus, bluetongue virus)
 ROINS-09015-05 Growth of axons in development of the nervous system (rats, cats)
 ** ROINS-09042-05 Presynaptic basis of neuromuscular transmission (rats)
 ROINS-09051-05 Drugs on release of biogenic amines and behavior (rats)
 ROINS-09082-03 Studies of neural proteins (rats)
 ** ROINS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
 ROINS-09196-04 Discharge patterns of motoneurons (cats, frogs)
 ROINS-09211-04 Connections of cerebral cortex (primates)
 ** ROINS-09228-02 Isolation of proteins from synaptic membranes (rabbits, cats)
 ROINS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
 ROINS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
 ROINS-09330-04 Development of neurons and related cells in vitro (*Drosophila*)
 ROINS-09361-04 Plasticity of the simplest neuronal pathways (animals)
 ROINS-09367-04 Organization of primitive spinal cord (lamprey)
 ROINS-09404-04 Central control of sensory interneurons (insects, mollusks)
 ROINS-09420-04 Long-term nerve-muscle interactions (rats)
 ROINS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
 ROINS-09474-04 Integrative mechanisms in ganglia (decapods)
 ROINS-09475-04 Transport and membrane circulation in nervous tissue (animals)
 ROINS-09518-04 Studies on the fine structure of the olfactory system (cats, rats)
 ROINS-09578-05 Spinal cord development (mice)
 ** ROINS-09614-03 Regeneration in nervous system (crustaceans)
 ROINS-09623-04 Structure and function of neocortex (animals)
 ** ROINS-09632-03 Transmitter release in a central nervous system (sea lamprey)
 ROINS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
 ** ROINS-09654-04 Genetic variants of synaptic proteins (nematodes)
 ** ROINS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
 ** ROINS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)
 ROINS-09661-05 Organization of the nervous system (lamprey)
 ** ROINS-09678-04 Fine structure of deafferentation (rats, cats)
 ** ROINS-09743-05 Synaptic connections of spinal cord neurons (animals)
 ROINS-09784-03 Effect of epileptogenic drugs on membrane properties (squid)
 ROINS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
 ROINS-09823-04 0005 Communicative disorders clinical research center - Fine structure anatomy (bullfrogs, toads)
 ROINS-09885-02 Transmitted release and metabolism by 3H-DNF assay (frogs)
 ** ROINS-09904-03 Developmental morphology and synaptogenesis (animals)
 ROINS-09923-04 Cytological studies of developing and mature neurons (rats)
 ** ROINS-09955-03 Biochemical studies in identified neurons (Aplysia)
 ** ROINS-09970-02 Organization of cutaneous neurons in dorsal horn (cats)
 ROINS-09971-02 Use and disuse of spinal pathways (cats, rats)
 ROINS-10108-03 Brain phosphoinositides—Relevance to prostaglandins (human)
 ROINS-10137-03 Upper and lower motoneurons (Boe constrictor)
 ** ROINS-10161-04 Individual neurons in a single nervous system (leeches)
 ** ROINS-10207-03 Neuromuscular synapse in cell culture (frogs, rats)
 ROINS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
 ROINS-10259-03 Regulation of neuronal growth and development (mice, rats)
 ** ROINS-10277-02 Mechanisms of variable synaptic efficacy (frogs)
 ** ROINS-10294-03 Neurochemistry and kinetics of synaptic transmission
 ** ROINS-10319-03 Monosynaptic transmission in spiral neurons (cats)
 ROINS-10332-02 Miniature postsynaptic potentials of epileptogenic cortex (monkeys, cats)
 ** ROINS-10338-03 Ganglionic synaptic transmission (birds)
 ROINS-10384-03 Drug actions on CNS metabolism (cats)
 ROINS-10427-02 Structure and biochemistry of cerebellum (mice)
 ROINS-10434-03 Neurohemeral events in cells ending in median eminence (rats)
 ** ROINS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
 ** ROINS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
 ** ROINS-10457-03 Ultrastructure and function of nerve and muscle (crayfish)
 ROINS-10492-03 Computer analysis of neuron structure and function (frogs)
 ROINS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
 ROINS-10509-03 Functional analysis of the nervous system (helminths)
 ** ROINS-10526-02 Synaptic relations in sensory systems (carnivores, monkeys)
 ROINS-10536-02 Organization of the striate cortex (monkeys)
 ** ROINS-10578-01 Regulation of enzyme development in neurons (rats)
 ROINS-10579-02 Development of synaptic knobs and behavior (rats)
 ROINS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
 ROINS-10614-02 Neurochemistry of ganglion in culture (lobsters)
 ** ROINS-10615-02 Biochemistry and physiology of neurons (mice, chickens)
 ** ROINS-10657-01 Undernutrition and synapse development (mice)
 ROINS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
 ROINS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
 ** ROINS-10792-02 Physiology of synapses developing in vivo (salamanders)
 ROINS-10803-03 Experimental pathology of developing nervous system (rodents)
 ROINS-10806-01 Connections of auditory cortex (monkeys)
 ** ROINS-10832-01 Trophic interactions at synapses (chickens)
 ROINS-10857-01 Organization of the motoneuron-pool and its inputs (cats)
 ROINS-10883-01 Transmitter release at the nerve-muscle junction (frogs)
 ROINS-10906-01 Connections of identifiable neurons during maturation (lamprey)
 POINS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
 ROINS-11027-01 Cellular interaction in neuronal tissue culture
 ROINS-11080-01 Transduction mechanisms in lateral line organs (amphibians)
 POINS-11132-01 0001 Neural basis of effects produced by spinal cord damage - Spinal shock (cats)
 POINS-11132-01 0003 Neural basis of effects produced by spinal cord damage - Enduring changes in synaptic efficacy (cats)
 ** ROINS-11160-02 Synapse formation in low-density culture (chick embryo)
 ROINS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 ROINS-11175-02 ACH and CNS thermoregulation processes (monkeys)
 POINS-11255-01 Comparative neurobiology (Aplysia, fish, sea lions)
 ROINS-11259-01 RNA transport in normal and regenerating nerves (fish)
 ROINS-11264-01 Amino acids as neurotransmitters (cats)
 ** ROINS-11268-01 Mechanism of spinal shock (cats)
 ROINS-11295-01 Mechanisms of interneuronal communications in culture (rats)
 ROINS-11310-01 Neurotransmitter biosynthesis (cattle)
 ROINS-11313-01 Neuronal interaction and electrogenesis (fish)
 ** ROINS-11325-01 Morphology and cytophysics of synaptic transmission (cats)
 ROINS-11364-02 Cytological localization of serotonin (rabbits, chicks)
 ** ROINS-11383-01 Synaptic connectivity in motor systems (crayfish)
 ROINS-11384-01 Central processing of temperature information (monkeys)
 ROINS-11425-01 Development in vitro and mutant CNS (mice)
 ** ROINS-11431-01 Fine structure of synapses and their modification (animals)
 ROINS-11456-02 Axonal glycoproteins and glycosaminoglycans (goldfish, garfish)
 ROINS-11468-01 Development of rhythmic processes in neonatal thalamus (cats)
 ROINS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
 ** ROINS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
 ROINS-11544-01 Integration and regeneration in the nervous system (leeches)
 ** ROINS-11549-01 Synapse formation in cloned cell lines (mice, rats)
 ** ROINS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
 ROINS-11555-01 Synaptic organization of identified neural network (mollusks)
 ROINS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
 ** ROINS-11576-01 Development of sympathetic junctions in culture (rats)
 ROINS-11588-01 Bio-assay of nerve trophic substances
 ROINS-11589-01 Integrative neuroanatomy (rats, mice)
 ** ROINS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
 POINS-11631-01 0051 Clinical center for research on Parkinson's and allied diseases - Electrophysiological analysis and administration of L-dopa (monkeys)
 ** POINS-11631-01 0053 Clinical center for research on Parkinson's and allied diseases - Electrophysiological analysis of intra VL synaptic organization
 POINS-11631-01 0056 Clinical center for research on Parkinson's and allied diseases - Electrophysiology of the mesencephalic roots of corticohelical fibers
 ROINS-11644-01 Generation and degeneration of axons (fish, rats)
 ROINS-11666-01 Genetics of neuronal growth and development (mice)
 ROINS-11669-01 Development and plasticity in a visual system (rabbits)
 ROINS-11699-01 Long-term changes in neurons (guinea pig)
 ** ROINS-11751-01 Synaptic integration in a bimodal sensory interneuron
 ** ROINS-11788-01 Nervous system development and synapse formation (*Drosophila*)
 ROINS-11834-01 Fine structure of spinal cord (monkeys, cats)
 ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
 ROINS-12030-01 Central interactions with somatosensory neurons (cats)
 ** ROINS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)
 ** ROINS-12066-01 Biochemical studies in identified neurons (Aplysia)

NERVOUS SYSTEM, NERVE ENDINGS, SYNAPTIC VESICLES

- ROIAA-00193-02 An approach to the action of alcohol in the CNS (squid, rats)
 ROIDA-00697-01 Biochemical mechanisms of narcotic analgesic action (rats)
 ROIES-00901-14 Mechanisms of insecticide selectivity (housefly, electric fish)
 ROIEY-01344-01 Freeze-fracture studies of the retina (monkeys, rabbits, turtles)
 POIGM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
 ** POIHO-04583-06 0022 Mental retardation research center - Synaptic architecture in the brain (rats)
 ROIHL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
 ROIM-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
 POIMH-08618-10 0004 Biological studies of psychotic disorders - Mechanism of action of mescaline (rats)
 ROINS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
 ROINS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
 ROINS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
 POINS-04053-12 0001 Epilepsy - Neuroanatomy - Degeneration of synapses and deafferentation (rats, cats)
 ** ROINS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
 POINS-07512-06 0018 Neuronal development, interaction and organization - Chemical transmission at a vertebrate central synapse (fish)
 POINS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
 ROINS-08674-05 Choline and acetylcholine transport and metabolism (mice)
 ROINS-09418-03 Anatomic and physiologic correlation in the neuropil (crayfish)
 ROINS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
 ** ROINS-10216-03 Processing of acetylcholine by synaptic vesicles (guinea pigs)
 ** ROINS-10287-19 Metabolism of serine and related compounds (rats, swine)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
 R01NS-11445-01 Transmitter release from the neuromuscular junction (frogs)

NERVOUS SYSTEM, NERVE ENDINGS, SYNAPTOSOMES

- R01AA-00188-03 Ethanol-induced changes in brain mitochondria (rats)
 R01DA-00697-01 Biochemical mechanisms of narcotic analgesic action (rats)
 P11GM-15559-07 0033 Clinical pharmacology - Drugs at the cellular and sub-cellular level (rats)
 P01HD-04147-06 0015 Research in mental retardation - Origin of synaptosomal gangliosides (mice)
 P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
 P01MH-06618-10 0040 Biological studies of psychotic disorders - Possible role of DMPFA and NADMPFA in brain function (rats)
 R10MH-11468-09 0020 Psychopharmacology research center - Antagonism of antihypertensive effect of guanethidine by neuroleptic drugs (rats)
 R10MH-11468-09 0023 Psychopharmacology research center - PCA and the synaptosomal uptake of catecholamine and 5HT (rats)
 P01MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)
 P01MH-16674-06 0006 A program of psychiatry-oriented biological research - Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates
 ** P01MH-16674-06 0009 A program of psychiatry-oriented biological research - Release of neurotransmitters from synaptosomes (rats)
 ** P01MH-16674-06 0010 A program of psychiatry-oriented biological research - Effects of drugs on osmotic sensitivity of synaptosomes (rats)
 P01MH-16674-06 0012 A program of psychiatry-oriented biological research - False neurotransmitters in altered functioning of nervous system (rats)
 ** P01MH-16674-06 0013 A program of psychiatry-oriented biological research - Uptake and release of choline by nerve endings (rats)
 P01MH-16674-06 0033 A program of psychiatry-oriented biological research - Translational control of protein synthesis in the CNS (rats)
 R01MH-16841-06 0008 Effect of central nervous system lesions on drug action - Uptake of serotonin by telencephalon and cerebellum
 R01MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
 ** P01MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
 ** P01MH-25515-01 0006 Collaborative biological research on schizophrenia - Actions of neuroleptic drugs on synaptic membranes (rats)
 R01NS-05424-10 Energy-utilizing process in the CNS (guinea pigs)
 R01NS-05572-10 0003 Ultrastructural basis of neuropsychiatric disease - Immunocellular methods for cell surface and intracellular labeling
 P01NS-06225-09 0006 Cerebral localization - Stimulation of neurons and sensory end organs
 R01NS-07457-06 Brain function and the metabolism of macromolecules (mice)
 R01NS-07918-06 Cations and brain glycolytic enzymes (human)
 R01NS-08597-06 Synaptic membrane structure and function (rats)
 R01NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
 R01NS-08829-06 ACH turnover and choline metabolism in the CNS (rats, guinea pigs)
 ** P01NS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
 R01NS-09299-04 Macromolecular control of neuronal function (squid, *Muscola*, rats)
 R01NS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
 R01NS-09471-02 Folic acid deficiency and brain development (mice, rats)
 R01NS-10618-02 Mechanisms of neurotransmitter release (rats)
 R01NS-10931-01 Brain glycolipids in MS and virus diseases (human, monkeys)
 R01NS-11137-02 Neurochemical correlates of experimental cretinism (rats)
 R01NS-11362-01 The epilepsies- Na and K pump within brain synapses (cats)
 ** P01NS-11631-01 0067 Clinical center for research on Parkinson's and allied diseases - Proteins in the synaptosomes of the rat brain
 R01NS-11824-01 Amino acids and protein in brain structure and function (animals)
 R01NS-12047-04 0001 Role of lipids and lipoproteins in membranes - Brain polyphospholipolites (rats)

NERVOUS SYSTEM, NERVES (GENERAL)

- ** P01AM-03564-15 0012 Mesenchymal tissues and their diseases - Role of nerve in organogenesis
 M R01AM-16186-02 Inhibition of scars in tendon and nerve injury
 R01AM-16186-02 0002 Inhibition of scars in tendon and nerve injury - Nerve studies (rats)
 R01CA-04679-15 0001 Biology of normal and malignant melanocytes - Melanocytes (frogs)
 ** R01DE-01604-11 Role of nerves in dentinogenesis
 P130E-02668-08 0017 Dental research center - Structure and function of the oral sensory apparatus (human)
 R01HD-03752-05 0015 Mammalian reproduction - Hormonal influence of catecholamine-containing nerve fibers of the rabbit ovine
 ** R01HL-01803-20 0004 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins in nerves (human, chick embryo)
 P01HL-06312-13 0033 Surgical cardiology - Organ preservation-Cryopreservation (dogs, rats)
 R01NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
 R01NS-07758-06 NMR studies of cell excitation (frogs, rats)
 R01NS-08990-04 Metabolism of sphingosine and butyrylcholine (crayfish)
 ** R01NS-09329-04 Molecular structure of nerve and photoreceptors (frogs)
 ** R01NS-09331-05 Ion permeation through carriers, channels and nerve
 ** R01NS-10485-03 Local anesthetics, nerves and bilayers
 R01NS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)
 M01IR-00039-14 0078 General clinical research center - Neurologic effects of hypo-osmolality

NERVOUS SYSTEM, NERVES, INNERVATION (GENERAL)

- R01AM-14563-04 Vagal release of gastrin (cats, rhesus monkeys)
 R01AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
 R01AM-16814-01 Effect of vagotomy on hepatic regeneration (rats)
 R01CA-08231-10 0001 Radiobiology research program - Radiation effect on taste (mice, human)
 P01DE-02848-06 0016 Biology of connective tissue, bones and teeth
 P01EY-00299-09 0003 Neurophysiology of the visual apparatus - Innervation and the resulting developmental muscle forces (human)
 ** P01EY-00299-09 0008 Neurophysiology of the visual apparatus - Structural and functional correlation in extraocular muscle (and cats)
 ** P01EY-00299-09 0017 Neurophysiology of the visual apparatus - Muscle force patterns responsible for eye movements (human)
 P01EY-00299-09 0018 Neurophysiology of the visual apparatus - Motor units in the phases and type of eye movements (human)
 P01EY-00299-09 0020 Neurophysiology of the visual apparatus - Model of eye movement control
 R01EY-00309-09 Fine structure of normal and pathologic ocular muscle (rabbits, monkeys, rats)
 R01EY-00519-05 Normal and diseased extraocular muscle (human, primates)
 ** R01EY-00799-03 Ocular dystrophies and extraocular muscles (human, cats)
 P01EY-01186-02 0001 The visual science research center grant - Human oculomotor physiology (and cats, monkeys, dogs)
 P01EY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
 ** R01EY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
 R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
 P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 R01HD-06203-03 Biochemical changes in developing and aging muscles (rabbits, rats, chicken)
 ** R01HD-07277-02 Development of the nervous system (human)
 P01HL-08805-10 0005 Cardiovascular and pulmonary performance - Autonomic nervous control of the pulmonary circulation (dogs)
 ** R01HL-11114-07 Electron microscopy of the jugular apparatus (rats, rabbits)
 R01HL-12322-06 Extrinsic factors influencing myocardial performance (dogs)
 P01HL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
 R01HL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)
 ** R01HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
 ** P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
 R01HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
 R01HL-16276-01 Ultrastructure of the conduction system of the heart
 R01HL-16466-01 Histogenesis and biochemistry of embryonic lung (chickens)
 ** R01HL-16657-01 (cats, Aplysia)
 ** R03MH-25690-01 Axonal plasticity in superior colliculus (rabbits)
 R01NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
 R01NS-01330-18 Physiology of vestibular system (monkeys)
 R01NS-02108-15 Hypo- and hypervitaminosis A (rats)
 R01NS-02957-14 Suprasagittal influences on spinal motoneurons (baboons)
 P01NS-03354-13 0006 Neurosensory center - Ophthalmic pathology (human, rabbits)
 P01NS-03358-13 0007 Sensory disease clinical research center - Vestibular physiology (human, monkeys)
 R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 P01NS-04513-11 0002 Coordinated basic and clinical brain research program - Neurophysiological studies of striated muscle innervation, (cats)
 R01NS-04656-11 Protein synthesizing machinery (frogs)
 R01NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
 R01NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
 R01NS-07072-06 Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils)
 R01NS-07662-08 Structure of nerve endings (rats, chickens)
 R01NS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
 ** R01NS-08813-05 Structure and function of the inner ear (birds, guinea pigs)
 R01NS-09361-04 Plasticity of the simplest neuronal pathways (animals)
 R01NS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
 P01NS-09649-04 0008 Research in parkinsonism - Regeneration in central aminergic systems (monkeys, cats, rats)
 R01NS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
 P01NS-09823-04 0005 Communicative disorders clinical research center - Fine structure anatomy (bullfrogs, toads)
 ** R01NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
 R01NS-10137-03 Upper and lower motoneurons (Boa constrictor)
 ** P01NS-10175-03 0007 Neuromuscular disease research center - Muscle fiber typing-Dorsal rhizotomy (cats)
 ** P01NS-10175-03 0008 Neuromuscular disease research center - Muscle fiber typing-Cerebral lesions (cats)
 R01NS-10319-03 Monosynaptic transmission in spiral neurons (cats)
 R01NS-10338-03 Ganglionic synaptic transmission (birds)
 ** R01NS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
 R01NS-10353-02 Olfactory projection field (birds)
 R01NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
 R01NS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
 ** R01NS-10460-01 Neurophysiology of excitable cells in vitro
 R01NS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
 R01NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
 ** R01NS-10600-02 Role of pineal organ in brain function (fish)
 ** R01NS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
 R01NS-10792-02 Physiology of synapses developing in vivo (salamanders)
 R01NS-10957-01 Ache nerve-muscle interactions and muscular dystrophy (chickens, chick embryo)
 ** R01NS-10978-02 Brain stem sensory connections (human, animals)
 ** R01NS-11026-01 An analysis of reinnervated muscle spindles (cats)
 R01NS-11175-02 ACH and CNS thermoregulation processes (monkeys)
 ** P01NS-11255-01 0009 Comparative neurobiology (aplysia, fish, sea lions) - Unmyelinated fibers in the ventral root (cats)
 R01NS-11364-02 Cytological localization of serotonin (rabbits, chicks)
 ** R01NS-11481-01 Neurotrophic influences on developing muscle
 R01NS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
 R01NS-11549-01 Synapse formation in cloned cell lines (mice, rats)
 ** P01NS-11631-01 0060 Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline in sympathetically innervated tissues (rats)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)
- ** ROINS-11635-01 Molecular basis of membrane excitation (electric fish)
- ROINS-11636-02 Electron microscopy and histochemistry of the inner ear (animals)
- ROINS-11648-01 Influence of neurons upon muscle spindle development (rats)
- ** ROINS-11699-01 Long-term changes in neurons (guinea pig)
- POINS-11766-01 0013 Clinical research center for neuromuscular disease - Pathophysiology of dystrophic muscle (human)
- ROINS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
- ** ROINS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)
- NERVOUS SYSTEM, NERVES, PERINEURIUM**
- P13DE-02668-08 0017 Dental research center - Structure and function of the oral sensory apparatus (human)
- ROINS-10884-01 Prevention of peripheral neuromas with triamcinolone (monkeys, human)
- NERVOUS SYSTEM, NEURILEMMA**
- POZCA-11051-06 0047 Clinical radiation research center - Radiation pathology-Vasculature in cheek pouch chamber (hamsters)
- POZCA-11051-06 0048 Clinical radiation research center - Radiation pathology-Tumor microvasculature response (hamsters)
- POZCA-11051-06 0049 Clinical radiation research center - Radiation pathology-Tumor parenchymal and endothelial cells (hamsters)
- POZCA-11051-06 0050 Clinical radiation research center - Radiation pathology-Response to vasoactive and chemotherapeutic agents (hamster)
- NERVOUS SYSTEM, NEUROEFFECTORS**
- SEE ALSO FISH, ELECTRIC ORGAN*
- SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
- ** ROIAM-15347-04 False neurotransmitters and hepatic failure (humans, rabbits, rats)
- ROIHL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- ROIHL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
- ROIHL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- ** POINS-07512-06 0016 Neuronal development, interaction and organization - Neural control of synchronized effector systems (fish)
- ROINS-09955-03 Biochemical studies in identified neurons (Aplysia)
- ** ROINS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
- ** POINS-11132-01 0004 Neural basis of effects produced by spinal cord damage - Interactions between neurons and effector organs (mammals)
- ROINS-12066-01 Biochemical studies in identified neurons (Aplysia)
- NERVOUS SYSTEM, NEUROGENESIS**
- SEE ALSO NERVOUS SYSTEM REGENERATION
- ROIAA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
- ROICA-08676-10 Regulation of mammalian enzyme synthesis (rats)
- ROICA-14650-01 Experimental brain tumors-Developmental studies (rats)
- ** ROIDA-00290-02 Effects of LSD upon embryonic and maturing brain (mice)
- ** POIES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- ROIES-00820-02 Toxicity of organic mercury for the fetus and newborn (human, monkeys)
- ** ROIEY-00097-12 Development and organization of visual pathways (rabbits)
- ROIEY-00125-05 Superior colliculus and the control of eye movements (monkeys, cats)
- ROIEY-00395-06 Maturation of metabolism in normal and dystrophic retina (mice)
- ** POIEY-00396-07 0019 Basic ophthalmic research program - Casual factors regulating growth in the visual system (frogs)
- ** ROIEY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
- ROIEY-00599-05 Morphological studies of the visual system (animals)
- ** ROIEY-00606-10 Visual system (cats, monkeys)
- ROIEY-00691-14 Neurology of learning and vision (cats, rabbits, rats)
- ROIEY-00742-03 Studies of binocular vision (human, cats)
- ROIEY-00784-03 Cellular basis of visual integration (arthropods, crustaceans)
- ** ROIEY-00789-03 Eye development (fish)
- ** ROIEY-01018-02 Structure and development of the visual system (mice, human)
- ** ROIEY-01071-02 Visual restoration (salamanders)
- ** ROIEY-01085-02 Neural mechanisms of developing vision (cats, shrew)
- ** ROIEY-01086-02 Structure and development of visual cortex (primates)
- ** ROIEY-01122-01 Development of the mammalian visual system (cats)
- ** ROIEY-01174-01 An experimental study of developing visual system (cats)
- ** ROIEY-01208-01 Development of primate retina and visual thalamus (primates)
- ROIEY-01255-01 Quantitative anatomical studies of visual deprivation (monkeys, mice)
- ** ROIEY-01268-02 Development and functions of visual cortex (cats)
- ** ROIEY-01287-01 Development of optic pathway during embryogenesis (chick)
- ** POIEY-01319-01 0007 Visual science research center support - Development in the visual system (mammals)
- ** ROIEY-01331-01 Development studies of the visual system (cats)
- ** ROIEY-01398-01 Serial section analysis of developing mouse retina
- ** ROIGM-10292-12 Studies in fine structure (animals)
- ** POIGM-15423-07 0053 Molecular basis of control mechanisms - Development of nervous system thru mutant strains (zbrafish)
- ROIGM-17096-05 Genetic change in developing cells of Drosophila
- ** ROIGM-20109-01 Microtubule and microfilament structure and function (amphibians)
- ROIGM-21106-01 Neurological mutants of Drosophila melanogaster
- ROIHD-00189-21 Mechanisms in differentiation of mesodermal tissues (chick embryo, xenopus)
- ** ROIHD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)
- ** POIHD-02274-08 0002 Mental retardation and child development - Neuroembryology (human)
- ** POIHD-02274-08 0015 Mental retardation and child development - Ophthalmology (human, primates, rats)
- POIHD-02274-08 0034 Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)
- ** POIHD-03015-08 0020 Program for developmental biology - Morphogens in retino-tactal connections (toads)
- ** POIHD-03015-08 0032 Program for developmental biology - Mitotic activity during early neurogenesis (chickens, mice)
- M POIHD-03352-07 Wisconsin center on mental retardation
- ** POIHD-03352-07 0001 Wisconsin center on mental retardation - Developmental neuroembryology (rabbits, mice, opossum, marmosets)
- ** POIHD-03352-07 0002 Wisconsin center on mental retardation - Experimental neuroembryology (monkeys)
- POIHD-03352-07 0003 Wisconsin center on mental retardation - Developmental endocrine neuroanatomy (mice, rats)
- ** POIHD-03352-07 0004 Wisconsin center on mental retardation - Developmental neurophysiology (rodents, cats, racoons)
- ** POIHD-03352-07 0014 Wisconsin center on mental retardation - Lipid analysis of brain subcellular fractions during development
- POIHD-03803-06 0001 Control mechanism in reproduction and development - Organogenesis and embryonic induction (amphibians, Drosophila)
- POIHD-04147-06 0002 Research in mental retardation - Change of nonhydroxy fatty acids to 2-hydroxy fatty acids by brain enzyme (rats)
- POIHD-04147-06 0010 Research in mental retardation - Neuropathology (human, rats, monkeys)
- POIHD-04147-06 0011 Research in mental retardation - Morphogenic anomalies (human, mice, rats)
- POIHD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
- ** POIHD-04147-06 0015 Research in mental retardation - Origin of synaptosomal gangliosides (mice)
- ROIHD-04364-12 A developmental study of the stress response (rats)
- ** ROIHD-04575-05 Glial and myelin lipids in developing and mature brain (rats, cattle)
- ** POIHD-04612-06 0001 Mental retardation research center - Nutritional factors in deficient brain development
- POIHD-04612-06 0002 Mental retardation research center - Effect of hormones on brain cell differentiation
- ROIHD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
- ** POIHD-05342-04 0001 Mental retardation and brain development - Brain protein synthesis in hyperaminoacidemias (rats)
- ** POIHD-05342-04 0013 Mental retardation and brain development - Lipid analysis of brain subcellular fractions during development (rats)
- ** ROIHD-05394-04 Amino acids and prenatal brain development (rats)
- ** ROIHD-05395-04 Migration and differentiation of neural crest cells (mice, chick embryo)
- ** POIHD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)
- ** POIHD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
- ** POIHD-05615-04 0005 Developmental biology in mental retardation - Postnatal brain development (rabbits)
- POIHD-06276-03 0051 Mental retardation research program - Later gestational changes in the brain (human)
- ** POIHD-06276-03 0064 Mental retardation research program - Histogenesis in the fetal monkey CNS
- ** POIHD-06276-03 0065 Mental retardation research program - Cerebellar development in mutant mice
- ** POIHD-06276-03 0068 Mental retardation research program - Culture of dispersed cerebellar neurons
- ** POIHD-06276-03 0069 Mental retardation research program - Intracellular communication proteins in developing mouse brain
- POIHD-06276-03 0071 Mental retardation research program - Retinal development and disease (rodents)
- ** POIHD-06276-03 0083 Mental retardation research program - Growth of myelin sheath and axon in sciatic nerve of undernourished rats
- ** POIHD-06276-03 0006 Mental retardation research program - Proliferin glial cell (Macaca)
- ** ROIHD-06446-03 Cell adhesiveness as a parameter in neurulation (frogs, newts, chick embryo)
- POIHD-06576-01 0002 Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
- POIHD-06576-01 0007 Molecular aspects of mental retardation - Sterol esters in CNS in relation to myelination-ketone bodies in metabolism
- ** ROIHD-06712-03 Regulation of enzyme levels in brain (mice)
- ** ROIHD-06862-02 Environmental effects on rat brain synapses
- ROIHD-07054-01 Developmental aspects of passive avoidance learning (rats)
- ** ROIHD-07277-02 Development of the nervous system (human)
- ** ROIHD-07340-01 Membranogenesis in cretinism and hyperthyroidism
- ROIHD-07382-03 Development of cell shape in embryonic epithelia (marine fish, salamanders)
- ** ROIHD-07389-01 Regulation of sympathetic neuroblast differentiation
- ROIHD-07483-01 Functional development of the gustatory sense (sheep)
- ROIHD-07844-02 Cytology of thyroxine-induced strobilation (jelly fish)
- ROIHD-08157-01 Normal and thyroid-induced cerebellar maturation (frogs)
- ROIHD-08184-10 Virus-cell interaction replication and differentiation (mice)
- ** ROIHD-08194-01 Prenatal protein malnutrition and brain sterols
- M POIHD-08315-01 Biochemical, genetic and other studies in retardation
- ** POIHD-08315-01 0001 Biochemical, genetic and other studies in retardation - Hypoglycemia and brain development (rats)
- ** POIHD-08315-01 0002 Biochemical, genetic and other studies in retardation - Brain development in offspring following supplementation of maternal diet (rats)
- ** POIHD-08315-01 0003 Biochemical, genetic and other studies in retardation - Specific nutrient deficiencies and brain development (rats)
- ROIHD-08362-01 Environmental stimulation, hormones and CNS development (rats)
- ** ROIHD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)
- M POIHD-08658-01 Developmental neurobiology in primates
- ** POIHD-08658-01 0001 Developmental neurobiology in primates - Development of the nervous system in staged embryos (human)
- ** POIHD-08658-01 0002 Developmental neurobiology in primates - Skull and vertebral column development in staged embryos (human)
- ** POIHD-08658-01 0003 Developmental neurobiology in primates - Commissural plate and pyramidal tracts in fetuses (human)
- ** POIHD-08658-01 0004 Developmental neurobiology in primates - Spinal cord and vertebral column in fetuses (human)
- POIHD-08658-01 0006 Developmental neurobiology in primates - Catecholamines and serotonin in the nervous system development (rhesus monkeys)
- ** POIHD-08658-01 0007 Developmental neurobiology in primates - Plicodes and caudal proliferation center (Macaca mulatta)
- ROIHL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- ** POIHL-08214-11 0037 Chemical and biological properties of lipids - Phospholipid biosynthesis in developing brain (rats)
- ROIHL-11552-07 Lipids and proteins in coagulation and myelination (human, rats, cattle)
- ** POIHM-13002-06 0041 Clinical and laboratory studies of affective disorder - Modifications of developing CNS with amino acids and psychotropic drugs (monkeys)

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- ** RO1MH-16598-06 Neuroembryology of behavior (birds, opossum)
 ** RO1MH-16733-06 Developmental neuropsychology (rats)
 RO1MH-16955-05 Neural conditioning and development (mice)
 RO1MH-17384-05 Physiological bases of social behavior (chickens)
 RO1MH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
 ** RO1MH-19734-04 Isozymes of monoamine oxidase in developing brain (human, chick embryo)
 RO1MH-19795-03 Learning mechanisms in abdominal ganglion of *Aplysia*
 RO1MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
 ** RO3MH-23426-01 Steroid hormones and RNA synthesis in neural culture (chick embryo)
 RO3MH-25946-01 Neurophysiological studies of mutant cerebellar cultures (mice)
 RO1NS-00682-20 Alterations of cochlear potentials (cats)
 RO1NS-06702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
 ** RO1NS-02267-14 Genetics and biochemistry of neurological mutants (mice)
 ** RO1NS-03273-13 Studies on cell interconnections (rats, mice)
 PO1NS-03346-13 0017 Research center for cerebrovascular disease - Experimental central neurogenic hypertension (cats)
 ** PO1NS-03356-14 0069 Neurological clinical research center - Developmental study of CNS myelin (mice)
 ** PO1NS-03360-14 0039 Neurological clinical research center-Epilepsy - Tissue culture of CNS-Development of organ of Corti (mice)
 ** RO1NS-03756-12 Histogenesis in normal and abnormal brain (mice)
 RO1NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
 RO1NS-03909-13 Biochemistry and histopathology of cytosin toxicity (rats)
 RO1NS-04270-12 Molecular neurobiology-Proteins of the nervous system (rodents, snakes)
 M PO1NS-04513-11 Coordinated basic and clinical brain research program
 PO1NS-04513-11 0009 Coordinated basic and clinical brain research program - Development of nerve terminals in explants of cerebellum(mice)
 M PO1NS-04553-10 Neuropharmacology and neurochemistry program research
 PO1NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
 ** PO1NS-04553-10 0009 Neuropharmacology and neurochemistry program research - Maturation of the central nervous system
 RO1NS-04555-11 Influence of thyroxin upon neurons (frogs, rats)
 ** RO1NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
 RO1NS-05270-11 Fractionation of brain proteins (cattle, rabbits, octopus)
 RO1NS-05572-10 0002 Ultrastructural basis of neuropsychiatric disease - Neuropathology of the neonatal rat
 ** RO1NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
 ** RO1NS-05721-10 Neurogenesis and development of behavior (chick embryos)
 ** RO1NS-05982-09 Development of afferent neural centers (opossum)
 RO1NS-06115-10 Anatomy of the auditory system (cats, rats)
 RO1NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
 ** RO1NS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
 PO1NS-06225-09 0003 Cerebral localization - Neuroanatomical studies (mammals)
 ** RO1NS-06232-09 Formation and function of synapses (animals)
 RO1NS-06448-09 Pathogenesis of heredity neurological disorders (mice)
 RO1NS-06542-09 Forebrain organization and anatomical plasticity (cats, rats)
 ** RO1NS-06545-09 Biophysical cytology of cultured neural tissues (human, mice, chick embryo)
 RO1NS-06551-09 Anatomical analyses of cortical systems (turtles, mammals)
 ** RO1NS-06594-08 Morphological aspects of neuronal injury (animals)
 RO1NS-06662-08 Architectonic and synaptic organization in the brain (animals)
 RO1NS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
 RO1NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 ** PO1NS-06827-08 0003 Integrated approaches to neurobiological problems - Morphological studies with EM (axolotl)
 RO1NS-06938-09 Metabolic diseases of the brain (human, rats)
 RO1NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
 ** RO1NS-07016-08 Structure and organization of the cerebral cortex (cats)
 RO1NS-07080-08 Gene expression in nervous tissue (rats)
 ** RO1NS-07441-03 Morphological and enzymatic studies of neurogenesis (chick embryo, rats)
 RO1NS-07495-07 Comparative cytology of nerve and muscle tissues (animals)
 M PO1NS-07512-06 Neuronal development, interaction and organization
 PO1NS-07512-06 0023 Neuronal development, interaction and organization - Thalamo-cortical afferents and organization of primary projection cortex (cats)
 ** PO1NS-07512-06 0025 Neuronal development, interaction and organization - Development of raphe and ponto-mesencephalic reticular elements (cats)
 ** PO1NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
 ** PO1NS-07512-06 0027 Neuronal development, interaction and organization - Influence of thyroid hormones on CNS development (frogs)
 PO1NS-07512-06 0030 Neuronal development, interaction and organization - Inhibitory activities of thalamic neurons (cats)
 ** RO1NS-07606-06 Dissociated neural cell nerve growth factor (human, mice, chick embryo)
 ** RO1NS-07778-07 Neural development (crickets)
 ** RO1NS-07825-07 Development of the hypothalamus (rats)
 RO1NS-07869-09 Regulation of cerebral protein synthesis (rats)
 RO1NS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
 PO1NS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
 ** PO1NS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
 PO1NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
 RO1NS-08106-06 Human brain sterols in aging and disease (and rats)
 ** RO1NS-08153-04 Parameters of ontogenesis of cortical neurons (dogs, ferret)
 RO1NS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)
 ** RO1NS-08391-06 Regulation of protein synthesis in neural development (mice)
 RO1NS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)
 ** RO1NS-08626-06 Development of central nervous tissue in culture (mice)
 RO1NS-08669-05 Ontogenesis of visual synaptic neuropiles (flies)
 RO1NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
 ** RO1NS-08653-05 Specific cell interactions in histogenesis of brain (mice, chick embryo)
 ** RO1NS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
 RO1NS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
 RO1NS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)
 RO1NS-08989-12 Brain function during altitude acclimatization (rats)
 ** RO1NS-08996-05 Peripheral and central studies of neural organization (insects)
 RO1NS-09003-05 Structure, function, and assembly of nerve membranes (rats)
 ** RO1NS-09015-05 Growth of axons in development of the nervous system (rats, cats)
 ** RO1NS-09050-04 Neuronal control of locomotion and neuronal ontogeny (animals)
 ** RO1NS-09074-05 Generation of neuronal output patterns (crickets)
 RO1NS-09156-04 CNS ultrastructure, drugs and development (human, rodents, monkeys)
 ** RO1NS-09161-18 Biochemistry of neural development (insects)
 RO1NS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
 ** RO1NS-09330-04 Development of neurons and related cells in vitro (*Drosophila*)
 ** RO1NS-09331-04 Cytology and function of adrenergic neurons in brain (toads)
 RO1NS-09335-04 Drug interactions with brain microtubule (human, chick embryos)
 RO1NS-09420-04 Long-term nerve-muscle interactions (rats)
 RO1NS-09471-02 Folic acid deficiency and brain development (mice, rats)
 ** RO1NS-09578-05 Spinal cord development (mice)
 ** RO1NS-09603-04 The biochemical effects of sensory deprivation (chicks)
 ** RO1NS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
 RO1NS-09654-04 Genetic variants of synaptic proteins (nematodes)
 RO1NS-09659-04 Physiology of nerve, glial, and muscle cell lines (rats)
 RO1NS-09678-04 Fine structure of deafferentation (rats, cats)
 RO1NS-09696-04 Neural control of discrete behavioral processes (snails)
 PO1NS-09704-04 0031 Developmental neurology - Development of neutral amino acid transport
 RO1NS-09808-02 Seizures, ketosis and cerebral metabolism (rats)
 ** RO1NS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
 ** RO1NS-09820-04 Effects of environmental stresses on brain development (rats)
 ** RO1NS-09821-04 Neural development genetic and environmental control (crustaceans)
 RO1NS-09904-03 Developmental morphology and synaptogenesis (animals)
 ** RO1NS-09909-03 Ether and ketone containing lipids during brain development (rats)
 ** RO1NS-09923-04 Cytological studies of developing and mature neurons (rats)
 ** RO1NS-09944-03 Biochemistry of the developing brain (mice)
 ** RO1NS-09990-01 Undernutrition and the immature nervous system (rats)
 ** RO1NS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
 RO1NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
 ** RO1NS-10117-01 Ontogeny of neural control of bodily functions (chickens, cats)
 ** RO1NS-10118-03 Biochemistry of CNS development of thyroid insufficiency (rats)
 ** RO1NS-10154-03 Swallowing in the developing and mature nervous system (cats, primates)
 RO1NS-10207-03 Neuromuscular synapses in cell culture (frogs, rats)
 RO1NS-10221-02 Biochemical aspects of myelination (rats, mice)
 RO1NS-10238-03 Otoneurological evaluation of infants and children
 RO1NS-10244-03 Structure of the somatosensory SI neocortex (rats, mice)
 ** RO1NS-10259-03 Regulation of neuronal growth and development (mice, rats)
 RO1NS-10338-03 Ganglionic synaptic transmission (birds)
 ** RO1NS-10429-03 Microtubule protein in the developing nervous system (chickens)
 ** RO1NS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
 ** RO1NS-10531-02 Corticospinal tract in developing motor function (rats)
 ** RO1NS-10579-02 Development of synaptic knobs and behavior (rats)
 RO1NS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
 ** RO1NS-10657-01 Undernutrition and synapse development (mice)
 ** RO1NS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
 ** RO1NS-10714-02 Neural cell recognition factors in brain histogenesis (mice, chick embryo)
 ** RO1NS-10792-02 Physiology of synapses developing in vivo (salamanders)
 RO1NS-10857-01 Organization of the motoneuron-pool and its inputs (cats)
 ** RO1NS-10907-01 Differentiation of nerve tumor cells in tissue culture (mice)
 M PO1NS-10920-02 Development and regeneration in the nervous system
 ** PO1NS-10920-02 0003 Development and regeneration in the nervous system - Maturing oligodendrocytes in developing brain (rats)
 ** PO1NS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
 ** PO1NS-10920-02 0008 Development and regeneration in the nervous system - Development of auditory system in man (and animals)
 PO1NS-10920-02 0015 Development and regeneration in the nervous system - Studies of chromatolysis (frogs)
 RO1NS-10943-02 Neuronal specificity in the hippocampus (rats)
 ** RO1NS-11010-01 Neurobiology of insect development and metamorphosis (lepidoptera)
 RO1NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
 RO1NS-11137-02 Neurochemical correlates of experimental cretinism (rats)
 ** RO1NS-11145-01 Neurogenesis-Cytoarchitecture and growth of axons (rats, chick embryos)
 ** RO1NS-11160-02 Synapse formation in low-density culture (chick embryo)
 ** RO1NS-11211-02 Neural differentiation-Nerve growth factor proteins (snakes, chickens, mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL IV (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** ROINS-11233-02 Neurogenetic processes in fetal brain (human, monkeys)
 ** ROINS-11237-02 Brain development in normal and mutants (mice)
 POINS-11255-01 Comparative neurobiology (aphysia, fish, sea lions)
 ROINS-11295-01 Mechanisms of introneuronal communications in culture (rats)
 ** ROINS-11299-01 Studies of nerve development (chick embryo)
 ROINS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
 ROINS-11364-02 Cytological localization of serotonin (rabbits, chicks)
 ROINS-11383-01 Synaptic connectivity in motor systems (crayfish)
 ** ROINS-11425-01 Development in vitro and mutant CNS (mice)
 ** ROINS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
 ** ROINS-11468-01 Development of rhythmic processes in neonatal thalamus (cats)
 ROINS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
 ** ROINS-11545-01 Endogenous electrical controls of neurite growth (chickens)
 ** ROINS-11549-01 Synapse formation in cloned cell lines (mice, rats)
 ROINS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
 ** ROINS-11576-01 Development of sympathetic junctions in culture (rats)
 ** ROINS-11619-01 Respiratory energy metabolism in brain explants (rats)
 ROINS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
 ROINS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
 ROINS-11641-19 Biological effects of steroids (mice, rats, monkeys)
 ** ROINS-11666-01 Genetics of neuronal growth and development (mice)
 ** ROINS-11669-01 Development and plasticity in a visual system (rabbits)
 ** ROINS-11788-01 Nervous system development and synapse formation (Drosophila)
 ** ROINS-12043-01 Effects of anticonvulsants on motoneuron development
 ROINS-12044-01 Myelin constituents in murine leucodystrophy
 ** R13MS-12049-01 Workshops on growth and regeneration in the CNS
 ROINS-12113-01 Pentose phosphate pathway in neural tissue (rats)
 ROINS-60940-13 Cytochrome and dendritic-architecture of the monkey brain
- NERVOUS SYSTEM, NEUROGLIA**
 SEE ALSO NERVOUS DISORDERS, GLOSSIS
 SEE ALSO NERVOUS NEOPLASMS, GLIOBLASTOMA MULTIFORME
 SEE ALSO NERVOUS NEOPLASMS, GLIOMA
 POIAM-05996-13 0017 Biochemistry of connective tissues - Mucopolysaccharides and glycosphingolipids of nervous system cells (rats, mice)
 POICA-07368-11 0010 Interrelationships of normal and cancer cells - Electropathology-basic electrophysiology and electroimmunology
 ** ROICA-11224-06 0002 Neurooncogenesis by reosptive carcinogens - In vitro transformation of glial cells by MNu and EMU (rats)
 ROICA-12166-02 Brain tumor micro-chemistry and chemotherapy
 ROICA-15549-01 Neoplastic-normal cell coaggregates (mice)
 ** POIDA-00254-03 0004 Drug abuse basic research center - Biological transport and biochemical effects of CNS drugs (animals)
 POIDA-00259-03 0002 Drug abuse research center - Effects of morphine on brain protein synthesis (rats)
 ** POIDA-00259-03 0004 Drug abuse research center - Ultrastructural changes during chronic morphine treatment (rats)
 ** ROIEY-01281-01 Developmental analysis of retinal synaptic organization (animals)
 ROIFD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
 POIHD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
 POIHD-02274-08 0034 Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)
 POIHD-03352-07 0002 Wisconsin center on mental retardation - Experimental neuroembryology (monkeys)
 POIHD-04583-06 0001 Mental retardation research center - Biosynthesis of mucopolysaccharides by neuroblastoma and glial cells in vitro
 ROIHD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
 POIHD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)
 POIHD-05615-04 0004 Developmental biology in mental retardation - Hypoxia and hypothyroidism in neuropil differentiation (mice)
 POIHD-05796-03 0005 Aging in connective tissue, brain and auditory system - Changes in the auditory cortex (mice)
 POIHD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
 POIHD-05874-04 0004 Biochemical regulation of aging processes - Biochemistry of nerve tissue maturation (mice, rats)
 ** POIHD-06276-03 0037 Mental retardation research program - Abnormalities in sterol ester metabolism in brain diseases (human, monkeys)
 ROIH-11552-07 Lipids and proteins in coagulation and myelination (human, rats, cattle)
 ROIMH-21584-03 Modification of cAMP response in nerves and glia (rats)
 ROIMH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
 ROIMH-23426-01 Steroid hormones and RNA synthesis in neural culture (chick embryo)
 ** ROIMH-24244-01 Effects of psychotropic drugs on brain nuclear RNA (rats)
 ** ROINS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
 ** ROINS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
 POINS-03346-13 0014 Research center for cerebrovascular disease - Coupling of cerebral blood flow and metabolism (mice)
 ROINS-03659-13 Fine structure of the nervous system (rats, monkeys)
 ** POINS-04053-12 0004 Epilepsy - Electrophysiology of neuroglia (cats, monkeys)
 ** POINS-04513-11 0013 Coordinated basic and clinical brain research program - Glial contributions to steady potentials (cats)
 POINS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
 ROINS-04555-11 Influence of thyroxin upon neurons (frogs, rats)
 ROINS-04761-11 Radiation induced changes in neonatal nervous system (rats)
 ROINS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
 ROINS-06294-07 Cerebral enzymes in normal and convulsive states (rats, rabbits)
 ROINS-06448-09 Pathogenesis of heredity neurological disorders (mice)
 ** ROINS-06594-08 Morphological aspects of neuronal injury (animals)
 POINS-06663-08 0022 Cerebrovascular clinical research center - Nerve chemical changes in cerebral ischemia (rabbits)
 ROINS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 ** ROINS-06947-08 Bioelectric studies of cerebral cortex (human, racoons)
 POINS-07226-06 0010 Neurosensory interdisciplinary research program - Brain cell separation
 POINS-07512-06 0027 Neuronal development, interaction and organization - Influence of thyroid hormones on CNS development (frogs)
 POINS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
 ROINS-07945-04 Aerobic mitochondrial regulatory processes (rabbits, rats)
 ROINS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
 ** ROINS-08346-07 Long-term interactions of neurons and glia (nocturnus, crustaceans)
 ROINS-08409-06 Ionic conductance in nerve at low temperatures (squid)
 ROINS-08436-04 Metabolic regulation in glioma cells (rats)
 ROINS-08626-06 Development of central nervous tissue in culture (mice)
 POINS-08711-04 0003 Fundamental studies relating to multiple sclerosis - Myelin and white matter glial cells (human, cattle)
 ROINS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
 ROINS-08949-05 Cell proliferation in injured nervous tissue (mice)
 ROINS-09025-05 Pathogenesis of hydrocephalus mutants (human, mice)
 ** POINS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)
 ROINS-09578-05 Spinal cord development (mice)
 ROINS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
 ROINS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
 ROINS-09789-03 Fine structure of viral induced brain tumors (dogs)
 ** ROINS-09990-01 Undernutrition and the immature nervous system (rats)
 ROINS-10193-03 Role of cyclic AMP and cyclic GMP in nerves and glia (tissue culture)
 ROINS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
 ROINS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
 ROINS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
 ROINS-10366-03 Mechanism of formation of cerebral cortical edema (primates)
 ROINS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
 ** ROINS-10622-02 Neuronal and glial glutamate decarboxylases (mice, calves)
 ROINS-10648-02 Experimental neuropathology in tissue culture
 ROINS-10657-01 Undernutrition and synapse development (mice)
 ROINS-10805-01 Impairment of cerebral perfusion following ischemia (rabbits)
 ROINS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
 ROINS-11027-01 Cellular interaction in neuronal tissue culture
 ROINS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
 ROINS-11233-02 Neurogenetic processes in fetal brain (human, monkeys)
 ROINS-11237-02 Brain development in normal and mutants (mice)
 ROINS-11239-02 Mechanism of neoplastic flow (cattle)
 ** POINS-11255-01 0005 Comparative neurobiology (aphysia, fish, sea lions) - Neuronal and glial tissue culture models of intercellular communication
 ** ROINS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
 ROINS-11362-01 The epilepsies-Ma and K pump within brain synapses (cats)
 ** ROINS-11453-01 Ionic movements across nerve cell body membranes (Aphysia)
 ROINS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
 ** ROINS-11544-01 Integration and regeneration in the nervous system (leeches)
 ROINS-11549-01 Synapse formation in cloned cell lines (mice, rats)
 ** ROINS-11626-01 Physiology of neuroglia in the brain (cats)
 ROINS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
 ROINS-11644-01 Generation and degeneration of axons (fish, rats)
 ROINS-11650-01 Morphology of collateral nerve sprouting (cats)
 ** ROINS-11793-01 Neurotransmitter influence of neuroglia and gliosis (rats, rabbits)
 ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
 ** P07RR-00679-02 0012 Biotechnology resource in electronprobe analysis - Composition of glial cells and neurons
- NERVOUS SYSTEM, NEUROGLIA, ASTROCYTES**
 SEE ALSO NERVOUS NEOPLASMS, GLIOMA, ASTROCYTOMA
 ** ROICA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
 POIHD-02274-08 0043 Mental retardation and child development - Degeneration associated with epileptic foci (monkeys)
 POIHD-06276-03 0049 Mental retardation research program - Perinatal telencephalic leucoencephalopathy (human)
 ROINS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
 ROINS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
 POINS-04053-12 0002 Epilepsy - Effect of seizures on chronic brain degeneration (monkeys)
 ROINS-05591-10 Electron microscopy of cerebral tissue (rats, monkeys, gerbils)
 POINS-06208-09 0017 Epilepsy research program - Ultrastructural study of cerebral changes (cats, rats)
 ROINS-06610-08 In vitro biology of brain cellular species (rats, mice)
 ROINS-08949-05 Cell proliferation in injured nervous tissue (mice)
 ROINS-09037-04 Anatomy of experimental seizures (human, monkeys)
 ROINS-10465-01 Comparison of myelin and oligodendrocyte membrane (rats, cattle)
 ROINS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
 ** POINS-10920-02 0011 Development and regeneration in the nervous system - Fetal and mature CNS cells and their interaction with viruses (human, mice)
 ** ROINS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
 ROINS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)
 ROINS-11626-01 Physiology of neuroglia in the brain (cats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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NERVOUS SYSTEM, NEUROGLIA, MICROGLIA

- ** P01NS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
- P01NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
- RO1NS-08949-05 Cell proliferation in injured nervous tissue (mice)
- RO1NS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
- ** P01NS-10920-02 0017 Development and regeneration in the nervous system - The response of non-neuronal cells to axotomy (amphibians)
- ** RO1NS-11831-01 Control mechanisms in regeneration and polarity (annelids)

NERVOUS SYSTEM, NEUROGLIA, OLIGODENDROGLIA

- RO1CA-14319-02 Glycosphingolipid biochemistry in transformed cells (human, hamsters, cattle)
- RO1CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- ** RO1HD-04575-05 Glial and myelin lipids in developing and mature brain (rats, cattle)
- RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- RO1NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- RO1NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- RO1NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
- P01NS-07226-06 0010 Neurosensory interdisciplinary research program - Brain cell separation
- RO1NS-08291-04 Myelin biosynthesis and turnover (human, mice)
- ** P01NS-08711-04 0003 Fundamental studies relating to multiple sclerosis - Myelin and white matter glial cells (human, cattle)
- RO1NS-08719-06 Biochemical studies of myelination (human, cats, rats)
- RO1NS-08838-05 Demyelinating disease caused by virus (mice)
- RO1NS-08997-05 0002 Fine structural alterations in CNS viral disease - Virus induced demyelinating disease (hepatitis virus, mice)
- RO1NS-09673-01 Fine structure of myelination and myelin disease (dogs)
- RO1NS-09973-03 Mechanisms involved in primary demyelination (rats)
- RO1NS-10221-02 Biochemical aspects of myelination (rats, mice)
- RO1NS-10437-03 Assembly of cerebral myelin membranes (rats)
- ** RO1NS-10465-01 Comparison of myelin and oligodendrocyte membrane (rats, cattle)
- RO1NS-10802-01 Hydroxylation of long chain fatty acids of brain (rats)
- RO1NS-10803-03 Experimental pathology of developing nervous system (rodents)
- RO1NS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
- RO1NS-10861-02 Clonal lines of nervous system cells in tissue culture (human, rats)
- ** P01NS-10920-02 0002 Development and regeneration in the nervous system - Comparison of oligodendrocytes and myelin (calves, rats)
- ** P01NS-10920-02 0004 Development and regeneration in the nervous system - Alteration of myelin in culture (rats)
- ** P01NS-10920-02 0011 Development and regeneration in the nervous system - Fetal and mature CNS cells and their interaction with viruses (human, mice)
- P01NS-10920-02 0018 Development and regeneration in the nervous system - Remyelination after experimental demyelination (mice)
- RO1NS-11425-01 Development in vitro and mutant CNS (mice)
- RO1NS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)

NERVOUS SYSTEM, NEURONS

- SEE ALSO BRAIN, CEREBELLAR CORTEX, PURKINJE CELLS
SEE ALSO BRAIN, CEREBRAL PYRAMIDAL CELLS
SEE ALSO EYE, RETINAL BIPOLAR NEURONS
SEE ALSO EYE, RETINAL CONES
SEE ALSO EYE, RETINAL RODS
SEE ALSO NERVOUS SYSTEM, GANGLIOCYTES
SEE ALSO NERVOUS SYSTEM, NERVE ENDINGS (GENERAL)
SEE ALSO NEUROMOTOR SYSTEM, MOTOR NEURONS
- RO1AA-00193-02 An approach to the action of alcohol in the CNS (squid, rats)
- RO1AA-00322-01 Ethanol-intracellular effects on in vitro (CNS) (mice)
- RO1AA-00334-01 Effects of alcohol on electrical activity of brain (cats)
- RO1A-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- RO1AM-03984-17 Neuroendocrine relationships in insects

- P01AM-06704-12 0005 Neural and humoral control of endocrine function - Pituitary-adrenal response to stress in protein deprived animals
- RO1AM-13725-06 Morphology of absorption and malabsorption (human)
- ** P01AM-16716-01 0009 Pathophysiological bases of muscle diseases - Tropic effects of neurons on skeletal muscle (rats)
- RO1AM-16813-01 Congenital megacolon (mice)
- P01CA-07368-11 0024 Interrelationships of normal and cancer cells - Convergence of somatic inputs on posterior thalamus (monkeys)
- P01CA-08748-09 0814 Research program of Sloan-Kettering Institute - Antigen markers in characterizing and separating nerve cells (mammals)
- P01CA-10815-06 0054 Consolidated basic cancer research program - Growth, differentiation and tumorigenesis of neuronal elements (mice)
- P01CA-14195-01 0007 Core grant-Regulation, the cell membrane and cancer - Membrane structure and function (tissue culture)
- RO1CA-15549-01 Neoplastic-normal cell coaggregates (mice)
- RO1DA-00114-03 Effect of narcotic agents on brain metabolism (rats)
- P01DA-00250-03 0001 Research center-Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of drugs of abuse-Psychotomimetics
- P01DA-00250-03 0002 Research center-Studies of drug dependence and abuse - Neurochemistry and pharmacology of morphine and opiates (rats, primates)
- P01DA-00250-03 0006 Research center-Studies of drug dependence and abuse - Autoradiography of psychopharmacological agents (rats, mice)
- P01DA-00254-03 0003 Drug abuse basic research center - Effects of drugs on synthesis of neuro-humoral transmitters (monkeys)
- P01DA-00259-03 0002 Drug abuse research center - Effects of morphina on brain protein synthesis (rats)
- ** P01DA-00259-03 0004 Drug abuse research center - Ultrastructural changes during chronic morphine treatment (rats)
- P01DA-00266-03 0003 Johns Hopkins drug abuse research center - Central cholinergic neurons and interaction with opiates (rats)
- RO1DA-00348-01 Marijuana and morphine effects on cultured neurons (animals)
- RO1DA-00972-01 Biochemical mechanism in drug addiction (mice, guinea pig)
- ** RO3DA-00993-01 Morphine-Direct effects on neurons (rats)
- P01DE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)
- RO1DE-02863-07 Differentiation of embryonic teeth rudiments in vitro (mice)
- R23DE-03746-02 Neural mechanisms of temporomandibular joint kinesiesthesia (cats)
- RO1ES-00814-05 Mode of action of insecticides (American cockroach, flies)
- RO1EY-00154-04 Organization of the vertebrate visual system
- ** RO1EY-00293-09 Integrative mechanism of neurons (crayfish)
- ** RO1EY-00530-12 A study of structure and function of retinal neurons (monkeys, cat)
- RO1EY-00561-05 Intracellular studies of retina function (Necturus)
- RO1EY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
- RO1EY-00607-09 Visual and non-visual cortical efferents (rabbits)
- RO1EY-00667-04 Functional organization of the visual system (horseshoe crabs)
- RO1EY-00824-04 Structure and function of vertebrate visual systems (animals)
- RO1EY-00844-03 Glial contributions to retinal function (amphibians, rabbits)
- RO1EY-00888-03 The developing and adult visual system (human, animals)
- ** RO1EY-00888-03 Function of neuron networks in vertebrate visual system (catfish)
- RO1EY-00927-03 Properties of the cortico-geniculate projection (monkeys)
- RO1EY-00953-03 Selective mechanisms in vision (human, cats)
- RO1EY-00956-03 Tilt effects on orientation selectivity of visual cells (cats)
- RO1EY-00998-02 Receptive field organization in visual system (cats)
- RO1EY-01051-01 Neuronal basis of visual perception in eye movements (primates)
- RO1EY-01086-02 Structure and development of visual cortex (primates)
- RO1EY-01117-02 Optic tactum-A combined structural and functional study (frogs)
- RO1EY-01122-01 Development of the mammalian visual system (cats)
- RO1EY-01149-02 Physiology and psychology of vision (anurans)
- ** RO1EY-01189-02 Eye movement-The role of brain stem neurons (monkeys)

- RO1EY-01215-01 Visual receptive fields by a new method (frogs)
- RO1EY-01221-01 Ionic mechanisms for retinal neuron potentials (mice)
- RO1EY-01241-01 Neuropsychology (cats)
- RO1EY-01255-01 Quantitative anatomical studies of visual deprivation (monkeys, mice)
- RO1EY-01268-02 Development and functions of visual cortex (cats)
- RO1EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
- RO1EY-01285-01 Quantitative determination of retinal function (locusts, crickets)
- RO1EY-01316-01 Organization of striate cortex (cats)
- RO1EY-01331-01 Development studies of the visual system (cats)
- RO1EY-01352-01 Adrenergic physiology of the eye (rabbits, monkeys)
- RO1EY-01370-01 Brainstem pathways for adduction of the cat eye
- RO1FD-00680-01 Diagnostic ultrasound-injury thresholds and mechanisms (cats)
- P01GM-15430-07 0024 Research in anesthesia - Medullary integration of chemoreceptor information (cats)
- P01GM-15904-07 0006 Anesthesiology center for research and teaching - Drug-nerve interactions (squid)
- RO1HD-00143-15 Cytology of growing and differentiating cells (animals)
- ** RO1HD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
- RO1HD-01799-09 0012 Mental retardation research center - Synaptic function-subcellular fractionation techniques
- ** RO1HD-02274-08 0044 Mental retardation and child development - Neurophysiology-Firing patterns of epileptic neurons in primates
- RO1HD-02274-08 0047 Mental retardation and child development - Hyperactivity in sensory systems (human)
- ** RO1HD-02274-08 0062 Mental retardation and child development - Neurophysiology of epileptic foci (cats, sea slugs)
- RO1HD-02274-08 0072 Mental retardation and child development - The prime visual system
- ** RO1HD-02274-08 0074 Mental retardation and child development - Neuronal development of the visual cortex (monkeys, rats)
- RO1HD-02528-08 0084 Research center in mental retardation - Energy flow in nervous tissue
- RO1HD-02528-08 0085 Research center in mental retardation - Chemical communication in nervous tissue
- ** RO1HD-03015-08 0011 Program for developmental biology - Development of neuronal pathways (lobsters)
- RO1HD-03015-08 0012 Program for developmental biology - Microtubular protein synthesis (chick embryo)
- ** RO1HD-03015-08 0013 Program for developmental biology - Dissociated and cultured nerve cells-Growth factors (mice, chickens)
- ** RO1HD-03015-08 0014 Program for developmental biology - Growth regulation in individual nerve cells (chick embryo)
- RO1HD-03352-07 0039 Wisconsin center on mental retardation - Auditory cortex (monkeys)
- ** RO1HD-05342-04 0014 Mental retardation and brain development - Isolation of a calcium-binding protein from brain (swine, goats, electric fish)
- RO1HD-05796-03 0001 Aging in connective tissue, brain and auditory system - Organization of chromatin proteins and RNA (mice, dogs)
- RO1HD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
- RO1HD-05958-03 0007 Neurophysiology and neuropsychology in mental retardation - Electrophysiology and response plasticity of neurons (human, cats)
- RO1HD-06267-03 0004 Role of biological membranes in aging processes - Function of the neural cell membrane (rats)
- RO1HD-06276-03 0009 Mental retardation research program - Postnatal maturation of neurons in infants (human)
- ** RO1HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
- RO1HD-06276-03 0068 Mental retardation research program - Culture of dispersed cerebellar neurons
- RO1HD-06276-03 0069 Mental retardation research program - Intracellular communication proteins in developing mouse brain
- RO1HD-06276-03 0081 Mental retardation research program - GABA transport by nerve ending fractions of cat brain
- RO1HD-07464-01 Regulation of fatty acid synthesis during development (mice, rats)
- ** RO1HD-07495-02 0027 Center for population research, studies in reproductive biology - Progesterone interactions with brain neurons
- ** RO1HD-07547-01 Age changes in the neuronal microenvironment (rats)
- RO1HD-08181-01 0006 Cell biology of aging - Morphology (caenorhabditis)
- RO1HD-08350-01 Age-related changes in chromatin proteins (rats)
- ** RO1HL-08893-10 Interactions between biological macromolecules (human, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1HL-12647-05 0001 Norepinephrine in vascular tissue - Inactivation of norepinephrine in vascular tissue (rabbits)
- PO1HL-13480-04 0010 Cardiac electrophysiology - Measurement of intracellular electrolytes (cats, barnacles, aplysia)
- RO1LM-02281-01 Critical review of neuron biophysics
- RO1MH-03372-15 0044 Neural mechanisms in behavior - Interaction between protein S 100 and neuroblastoma in culture
- RO1MH-04151-14 0004 Psychology and physiology of sleep - Effect of sleep deprivation on unit activity in reticular formation (rats)
- RO1MH-06686-12 Correlation of EEG and behavior (cats, rabbits)
- RO1MH-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
- RO1MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- RO1MH-14092-07 Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle)
- PO1MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues - Effect of cations (rats)
- PO1MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)
- PO1MH-16674-06 0006 A program of psychiatry-oriented biological research - Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates
- PO1MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum
- PO1MH-16674-06 0014 A program of psychiatry-oriented biological research - Dihydroxylated tryptamines in rat brain
- PO1MH-16674-06 0016 A program of psychiatry-oriented biological research - Serotonergic receptors of single molluscan neuron (land snail)
- ** RO1MH-17871-05 Psychotogenic drug action on chemically defined neurons (rats)
- RO1MH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
- RO1MH-19691-04 Interrelations between chemical and behavioral plasticity (Aplysia, rats)
- RO1MH-20059-02 Neural mechanisms of memory readout (cats)
- RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- RO1MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- ** RO1MH-23254-01 Neuronal substrates of choice and ionizing (gastropods)
- RO3MH-23426-01 Steroid hormones and RNA synthesis in neural culture (chick embryo)
- ** RO1MH-23433-02 Role of the amygdala in behavior - Unit studies (cats)
- ** RO1MH-24069-02 Cellular organization of memory (cats)
- RO1MH-24244-01 Effects of psychotropic drugs on brain nuclear RNA (rats)
- RO3MH-24382-01 Neural control of feeding (crayfish)
- RO1MH-24604-01 Toxicity of psychotropic drugs on aminergic neurons
- RO1MH-25075-01 Ontogenetic behavior effects of drugs (rats)
- ** RO3MH-25252-01 Role of nerve cells in behavior and development (hydra)
- RO3MH-25361-01 Action of amphetamine on cells of the brain (snails)
- RO1MH-25504-01 Neuroleptics and antidepressants on central MAO neurons
- PO1MH-25515-01 0007 Collaborative biological research on schizophrenia - Studies of central serotonin-neurons with dihydroxylated tryptamines (rats, cats)
- RO1NS-00396-21 Single unit analysis in the somatosensory system (primates, cats)
- ** RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- ** RO1NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- RO1NS-00847-19 Mechanism of function of higher integrative center (cats, dogs)
- RO1NS-01330-18 Physiology of vestibular system (monkeys)
- RO1NS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- ** PO1NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, neoturus)
- ** RO1NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- RO1NS-03266-13 Neural mechanisms of sensory modalities (cats, rats)
- PO1NS-03358-13 0007 Sensory disease clinical research center - Vestibular physiology (human, monkeys)
- RO1NS-03641-08 Comparative studies on nervous system (mammals)
- RO1NS-03659-13 Fine structure of the nervous system (rats, monkeys)
- RO1NS-03756-12 Histogenesis in normal and abnormal brain (mice)
- ** RO1NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- RO1NS-03970-12 Neural basis of respiratory and vasomotor activity (cats)
- PO1NS-04053-12 0006 Epilepsy - Single neurons in motor cortex (monkeys)
- ** PO1NS-04053-12 0018 Epilepsy - Simulation of neuron networks
- ** RO1NS-04119-11 Plasticity of synaptic mechanisms (cats)
- ** RO1NS-04513-11 0009 Coordinated basic and clinical brain research program - Development of nerve terminals in explants of cerebellum (mice)
- ** RO1NS-04555-11 Influence of thyroxin upon neurons (frogs, rats)
- RO1NS-04744-11 Neural mechanisms of postural control (dogs)
- RO1NS-05136-11 High-speed data acquisition and computer analysis (primates, cats)
- RO1NS-05237-11 Physiology of auditory and vestibular systems (monkeys)
- RO1NS-05264-10 Significance of neuronal discharge parameters (mollusks, fish)
- RO1NS-05437-09 Response plasticity during increased synaptic use (cats)
- ** RO1NS-05606-10 Interactions between neurons (cats, crayfish, rabbits)
- RO1NS-05638-10 Central neural regulation of body fluids (animals)
- RO1NS-05934-09 Basic neural mechanisms (slugs)
- RO1NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
- PO1NS-06225-09 0006 Cerebral localization - Simulation of neurons and sensory end organs
- RO1NS-06477-09 Cellular mechanisms in focal epileptogenesis (cats)
- ** RO1NS-06542-09 Forebrain organization and anatomical plasticity (cats, rats)
- RO1NS-06545-09 Biophysical cytology of cultured neural tissues (human, mice, chick embryo)
- RO1NS-06658-09 Central vestibular mechanisms (cats)
- ** RO1NS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
- RO1NS-06701-08 New methods for the study of amine transmitters (rodents, chickens)
- PO1NS-06828-08 0021 Neurophysiology - Sensory systems and cerebral cortex - Parietal areas 5 and 7 of cerebral cortex of the monkey
- PO1NS-06828-08 0022 Neurophysiology - Sensory systems and cerebral cortex - Visual neurons of area 7
- PO1NS-06828-08 0023 Neurophysiology - Sensory systems and cerebral cortex - Neurons of parietal area 5 in relation to movement
- PO1NS-06828-08 0025 Neurophysiology - Sensory systems and cerebral cortex - Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb
- PO1NS-06828-08 0030 Neurophysiology - Sensory systems and cerebral cortex - Neuronal activity in patterns during fixation (jaws) (monkeys)
- PO1NS-06828-08 0031 Neurophysiology - Sensory systems and cerebral cortex - Neuronal activity in controlled eye movements
- ** PO1NS-06828-08 0032 Neurophysiology - Sensory systems and cerebral cortex - Neuronal activity and pattern perception
- RO1NS-06947-08 Bioelectric studies of cerebral cortex (human, racoons)
- RO1NS-06948-09 Pallidal inhibition of brainstem activity (cats)
- RO1NS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
- ** RO1NS-07080-08 Gene expression in nervous tissue (rats)
- RO1NS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
- PO1NS-07226-06 0010 Neurosensory interdisciplinary research program - Brain cell separation
- M PO1NS-07512-06 Neuronal development, interaction and organization
- PO1NS-07512-06 0016 Neuronal development, interaction and organization - Neural control of synchronized effector systems (fish)
- PO1NS-07512-06 0025 Neuronal development, interaction and organization - Development of raphe and pontomesencephalic reticular elements (cats)
- PO1NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
- PO1NS-07512-06 0027 Neuronal development, interaction and organization - Influence of thyroid hormones on CNS development (frogs)
- PO1NS-07512-06 0028 Neuronal development, interaction and organization - Interactions between neural and endocrine integrative centers (insects)
- ** RO1NS-07609-07 Integrative mechanisms of cortical neurons (rabbits, frogs)
- RO1NS-07666-07 Sites of callosal thalamic and associational synapses (rats, monkeys)
- RO1NS-07720-07 Structure and projections of the cochlear nuclei (cats)
- RO1NS-07778-07 Neural development (crickets)
- RO1NS-07825-07 Development of the hypothalamus (rats)
- RO1NS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- RO1NS-07925-03 Binaural neurophysiology (kangaroo rats)
- ** PO1NS-07938-06 0084 Peripheral and central nervous system - Movement of ions and molecules through membranes (Aplysia)
- PO1NS-07938-06 0006 Peripheral and central nervous system - Membrane mechanism of electrical phenomena (barnacles, Aplysia)
- PO1NS-07938-06 0008 Peripheral and central nervous system - Development end lesions of nervous system (amphibians, rabbits, cats)
- PO1NS-07938-06 0009 Peripheral and central nervous system - Intracellular activities of ions (barnacles, frogs, aplysia and mammals)
- RO1NS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
- RO1NS-08153-04 Parameters of ontogenesis of cortical neurons (dogs, ferret)
- ** RO1NS-08346-07 Long-term interactions of neurons and glia (neoturus, crustaceans)
- ** RO1NS-08437-06 Optical studies of neuron activity and organization (leech)
- ** RO1NS-08443-06 Peripheral and central modulation of specific neurons (Aplysia)
- RO1NS-08453-06 Pathways subserving proprioception (rats, amphibians)
- ** RO1NS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- RO1NS-08610-04 Neural activity and behavior (barnacles)
- RO1NS-08732-04 Communication during behavior (crickets, gulls)
- ** RO1NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
- RO1NS-08862-05 Metabolism of cells and parts of cells in nervous tissue (mammals)
- ** RO1NS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
- RO1NS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
- RO1NS-09012-05 Microneurophysiology (animals)
- RO1NS-09037-04 Anatomy of experimental seizures (human, monkeys)
- RO1NS-09074-05 Generation of neuronal output patterns (crickets)
- RO1NS-09168-05 Electrophysiological studies of the gustatory system (animals)
- ** RO1NS-09264-03 Relation of protein synthesis to neuronal function (rabbits)
- RO1NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
- RO1NS-09299-04 Macromolecular control of neuronal function (squid, Mytilus, rats)
- ** RO1NS-09315-05 Functional ultrastructure of nervous system (cockroach, mica)
- ** RO1NS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
- RO1NS-09330-04 Development of neurons and related cells in vitro (Drosophila)
- RO1NS-09331-04 Cytology and function of adrenergic neurons in brain (toads)
- RO1NS-09339-04 Chemistry of plastic changes in neurons (Aplysia)
- RO1NS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
- RO1NS-09474-04 Integrative mechanisms in ganglia (decapods)
- ** RO1NS-09475-04 Transport and membrane circulation in nervous tissue (animals)
- RO1NS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- RO1NS-09744-05 Stochastic models of neural systems
- RO1NS-09746-04 Vagal effects on cortical PT-neuron activity (cats)
- ** RO1NS-09784-03 Effect of epileptogenic drugs on membrane properties (squid)
- RO1NS-09809-04 Temperature and pain in CNS (cats, monkeys)
- RO1NS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
- RO1NS-09884-03 Timing and coding of cerebellar output (monkeys)
- ** RO1NS-09914-03 Phylogeny and ontogeny of hormone neurons in brain (animals)
- RO1NS-09923-04 Cytological studies of developing and mature neurons (rats)
- ** RO1NS-09955-03 Biochemical studies in identified neurons (Aplysia)
- RO1NS-09970-02 Organization of cutaneous neurons in dorsal horn (cats)
- RO1NS-09985-03 Isolation and reconstitution of excitable membranes (cattle)
- RO1NS-10027-03 0005 Neuroendocrine and behavioral correlates of aging - Karyometrics after administration of steroid hormones during development (rats)
- RO1NS-10027-03 0006 Neuroendocrine and behavioral correlates of aging - Influence of exposure to ovarian hormones prepuberally (rats)
- RO1NS-10027-03 0007 Neuroendocrine and behavioral correlates of aging - Aging effects of nuclear volume of hypothalamic neurons (rats)
- RO1NS-10033-04 Neural membrane activity - Related structural changes (snails)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** ROINS-10111-03 In vitro DNA-directed synthesis of neuronal protein (chicks)
ROINS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)
- ** ROINS-10183-03 Cortical neuronal mechanisms of motor control (primates)
ROINS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
ROINS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
ROINS-10207-03 Neuromuscular synapse in cell culture (frogs, rats)
ROINS-10244-03 Structure of the somatosensory SI neocortex (bats, mice)
ROINS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
- ** ROINS-10259-03 Regulation of neuronal growth and development (mice, rats)
ROINS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
ROINS-10311-03 Cerebellar cerebral interactions (monkeys)
ROINS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
ROINS-10371-02 Degenerative and regenerative changes in CNS (cats)
ROINS-10405-03 Neural coding of taste-quality information (rats)
ROINS-10414-03 Organization of central auditory system (cats, monkeys)
ROINS-10420-03 Electrophysiology of the genital sensory system (cats)
- ** ROINS-10434-03 Neurohumoral events in cells ending in median eminence (rats)
ROINS-10459-03 Psychotropic mechanisms of catechol amine acids (rats, mice)
ROINS-10460-01 Neurophysiology of excitable cells in vitro
ROINS-10465-01 Comparison of myelin and oligodendrocyte membrane (rats, cattle)
- ** ROINS-10469-02 Regulation of synchronous neuronal discharge (cats)
ROINS-10500-02 Biochemical probes of excitable membranes (crayfish)
- ** ROINS-10507-02 Visual discrimination and receptive fields of neurons (tree shrews)
- ** ROINS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
ROINS-10509-03 Functional analysis of the nervous system (helminths)
ROINS-10541-03 Biochemistry of lipids of brain and other tissues (rats)
ROINS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
ROINS-10582-02 Actin and other filaments in the growing neuron (chickens, rats)
ROINS-10613-01 Neuronal cell specificity of glycolipid patterns (mice)
ROINS-10615-02 Biochemistry and physiology of neurons (mice, chickens)
ROINS-10622-02 Neuronal and glial glutamate decarboxylases (mice, calves)
ROINS-10628-02 Computer based analysis of histological data
ROINS-10629-02 Interactive computer graphic
ROINS-10638-02 Molecular control of excitability of muscle membrane (mice)
ROINS-10648-02 Experimental neuropathology in tissue culture
- ** ROINS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
- ** ROINS-10714-02 Neural cell recognition factors in brain histogenesis (mice, chick embryo)
ROINS-10757-03 Behavioral and neural analysis of learning (Aphasia)
ROINS-10759-02 Determinants of somatic sensory neuronal responses (monkeys)
ROINS-10777-02 Development of brain monoamines and seizures (mice, rats)
ROINS-10781-01 Models of neural networks
ROINS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)
ROINS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
ROINS-10825-01 Growth of identified neurons—Effect of deprivation
- ** ROINS-10854-01 Neurophysiology of single vestibular neurons (monkeys)
- ** ROINS-10906-01 Connections of identifiable neurons during maturation (lamprey)
- ** ROINS-10917-01 Dynamics in neural populations
- ** POINS-10920-02 0005 Development and regeneration in the nervous system - Development of neuronal cell body (rats, dogs)
POINS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
POINS-10920-02 0008 Development and regeneration in the nervous system - Development of auditory system in man (and animals)
- ** POINS-10920-02 0011 Development and regeneration in the nervous system - Fetal and mature CNS cells and their interaction with viruses (human, mice)
POINS-10920-02 0014 Development and regeneration in the nervous system - Disorders of neuronal development (cats)
- ** ROINS-10943-02 Neuronal specificity in the hippocampus (rats)
ROINS-10970-02 Limbic neurons (rats)
ROINS-11010-01 Neurobiology of insect development and metamorphosis (lepidoptera)
ROINS-11027-01 Cellular interaction in neuronal tissue culture
ROINS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
ROINS-11061-01 Regulation of adrenergic metabolism (rats)
ROINS-11069-01 Effect of centrophenone on lipofuscin pigment (guinea pigs, rats, mice)
ROINS-11087-01 Purified choline acetyltransferase (guinea pig)
POINS-11132-01 0006 Neural basis of effects produced by spinal cord damage - Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles)
ROINS-11149-01 Regulatory physiology and biochemistry in nerve cells (Aphasia)
ROINS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
ROINS-11175-02 ACH and CNS thermoregulation processes (monkeys)
ROINS-11186-01 Regional cerebral metabolism and blood flow (primates)
- ** ROINS-11219-02 Interrelationships to sensorimotor neurons (cats)
ROINS-11233-02 Neurogenetic processes in fetal brain (human, monkeys)
ROINS-11239-02 Mechanism of neuroplasmic flow (cattle)
ROINS-11254-01 Projections of midbrain reticular formation (cats)
ROINS-11284-01 Drug effects on vestibular neurones (cats)
- ** ROINS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
ROINS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
ROINS-11362-01 The epilepsies-Na and K pump within brain synapses (cats)
ROINS-11429-01 Metabolic regulation of membrane permeability (mollusks)
- ** ROINS-11453-01 Ionic movements across nerve cell body membranes (Aphasia)
ROINS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
ROINS-11491-01 Interlimb aspects of neural control of locomotion (cat)
- ** ROINS-11519-01 The regulation of neuronal protein synthesis (Aphasia)
ROINS-11522-01 Neural-corticosteroid interaction and brain function (cats, rats)
ROINS-11544-01 Integration and regeneration in the nervous system (leeches)
ROINS-11550-01 Behavioral pharmacology and transmitter metabolism (primates, birds, rodents)
ROINS-11555-01 Synaptic organization of identified neural network (mollusks)
ROINS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
ROINS-11588-01 Bio-assay of nerve trophic substances
ROINS-11589-01 Integrative neuroanatomy (rats, mice)
ROINS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
- ** ROINS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
POINS-11631-01 0003 Clinical center for research on Parkinson's and allied diseases - Electron microscopy studies (animals)
POINS-11631-01 0039 Clinical center for research on Parkinson's and allied diseases - Hallelvorden-Spatz disease (human)
POINS-11631-01 0041 Clinical center for research on Parkinson's and allied diseases - Histofluorescence laboratory (rats)
POINS-11631-01 0042 Clinical center for research on Parkinson's and allied diseases - Intrinsic links of caudate-neurons (cats)
POINS-11631-01 0051 Clinical center for research on Parkinson's and allied diseases - Electrophysiological analysis and administration of L-dopa (monkeys)
- ** ROINS-11635-01 Molecular basis of membrane excitation (electric fish)
POINS-11642-01 0004 Basic and clinical neuroendocrinology - Cytoarchitectonics in the developing endocrine hypothalamus (rats)
POINS-11642-01 0007 Basic and clinical neuroendocrinology - Monosodium glutamate induced lesion of the arcuate nucleus
POINS-11642-01 0011 Basic and clinical neuroendocrinology - Monoamine distribution and neuroendocrine function (animals)
- ** ROINS-11648-01 Influence of neurons upon muscle spindle development (rats)
- ROINS-11650-01 Morphology of collateral nerve sprouting (cats)
ROINS-11667-01 Signal generating mechanisms in olfactory epithelium (frogs)
ROINS-11668-01 The biological basis for olfactory behavior (pigeons)
ROINS-11670-01 Developmental regulation of brain sterol synthesis
ROINS-11695-01 Factors in reflex motor control (cats)
ROINS-11699-01 Long-term changes in neurons (guinea pig)
ROINS-11704-01 Thermoregulatory and osmoregulatory responses (fish, reptiles, birds, dogs)
ROINS-11773-01 Regulation of glycolysis in brain (rats)
ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
ROINS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
ROINS-12030-01 Central interactions with somatosensory neurons (cats)
ROINS-12031-01 Functional organization of CNS vasomotor system (cats)
ROINS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)
ROINS-12066-01 Biochemical studies in identified neurons (Aphasia)
ROINS-12075-01 Biochemical studies on monoamine containing neurons
- ** P07RR-00003-13 0032 Medical data processing research - Evoked potentials in artificial neural nets
P07RR-00003-13 0033 Medical data processing research - Electromagnetic fields generated from neuronal activity
P07RR-00003-13 0040 Medical data processing research - Parkinsonian behavior in artificial neural nets
P07RR-00003-13 0041 Medical data processing research - EEG model from randomly connected neural nets
P07RR-00015-12 0091 Medical school computer facility - Cardiovascular control by neuron and hormonal mechanisms
P07RR-00015-12 0094 Medical school computer facility - Protein synthesis and neuronal function in aphasia
P07RR-00015-12 0098 Medical school computer facility - Discharge patterns in cortical neurons
P07RR-00679-02 0012 Biotechnology resource in electronprobe analysis - Composition of glial cells and neurons

NERVOUS SYSTEM, NEURONS, AXONS

SEE ALSO NERVOUS DISORDERS, NERVES DEGENERATION, AXON REACTION

- RO1AA-00193-02 An approach to the action of alcohol in the CNS (squid, rats)
- ** RO1AA-00262-04 Action of alcohol and related substances on nerve (invertebrates)
RO1AI-06448-10 EM studies of microtubular elements and a richlettsia (helminths, mice, crustace)
RO1AM-02809-16 Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid)
PO1AM-09650-10 0010 Hormonal and ionic control of metabolism - Biochemistry of mitochondria using the axoplasm (squids)
RO1AM-14993-04 Structure and function in transporting epithelia (squid)
RO1AM-16186-02 0002 Inhibition of scars in tendon and nerve injury - Nerve studies (rats)
RO1CA-16927-01 Membrane lipids in neuroblastoma differentiation (mice)
- ** P13DE-02600-08 0031 Planning of a research center in oral biology - Axonal transport in the trigeminal nerve (rats)
RO1EY-00236-13 Visual coupling reactions (Limulus)
RO1EY-00330-08 Ocular pharmacology (human, animals)
RO1EY-00599-05 Morphological studies of the visual system (animals)
RO1EY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
RO1EY-01086-02 Structure and development of visual cortex (primates)
- ** PO1EY-01186-02 0005 The visual science research center grant - Clinical and experimental glaucoma (rabbits, monkeys)
RO1EY-01255-01 Quantitative anatomical studies of visual deprivation (monkeys, mice)
RO1EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
RO1EY-01287-01 Development of optic pathway during embryogenesis (chick)
RO1EY-01311-01 Protein transport in retinal photoreceptors and axons (animals)
RO1EY-01370-01 Brainstem pathways for adduction of the cat eye
RO1EY-01398-01 Serial section analysis of developing mouse retina
PO1GM-15904-07 0006 Anesthesiology center for research and teaching - Drug-nerve interactions (squid)
PO1GM-15991-06 0050 Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)
RO1GM-19813-02 Anesthetic alternation of cell structure and function (mice, decapods)
RO1GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)

(contd)

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**Oriented significantly to above subject.

|| Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01HD-02274-08 0078 Mental retardation and child development - Biochemical mechanisms of anesthetic action (mammals)
 P01HD-03015-08 0011 Program for developmental biology - Development of neuronal pathways (lobsters)
 P01HD-04147-06 0016 Research in mental retardation - Effect of colchicine on axonal transport in brain (mice)
 P01HD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
 P01HD-05796-03 0005 Aging in connective tissue, brain and auditory system - Changes in the auditory cortex (rats)
 ** P01HD-06276-03 0002 Mental retardation research program - The hippocampal-fornical system as model of CNS axonal transport (cats)
 P01HD-06276-03 0083 Mental retardation research program - Growth of myelin sheath and axon in sciatic nerve of undernourished rats
 P01HD-08658-01 0003 Developmental neurobiology in primates - Commissural plate and pyramidal tracts in fetuses (human)
 ** R01HL-01974-20 Ion-pump in the erythrocyte (rabbits, guinea pigs)
 P01HL-13480-04 0010 Cardiac electrophysiology - Measurement of intracellular electrolytes (cats, barnacles, aphasia)
 R01MH-20686-03 Psychotropic agents and aminergic receptors
 R01MH-21413-03 Enzyme induction and transport in adrenergic nerves (human, animals)
 R03MH-25690-01 Axonal plasticity in superior colliculus (rabbits)
 P01NS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
 R01NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
 P01NS-03356-14 0029 Neurological clinical research center - Acrylamide neuropathy (cats)
 P01NS-04513-11 0001 Coordinated basic and clinical brain research program - Cerebellar anatomy and physiology (monkeys, raccoons)
 P01NS-04513-11 0002 Coordinated basic and clinical brain research program - Neurophysiological studies of striated muscle innervation, (cats)
 ** R01NS-04656-11 Protein synthesizing machinery (frogs)
 ** R01NS-05188-11 Ion movements and permeability of axon membranes (annelids, frogs, rats)
 R01NS-05721-10 Neurogenesis and development of behavior (chick embryos)
 ** R01NS-06239-09 Chemical cytology and pathology of nervous tissue (fish, bullfrogs)
 ** R01NS-06477-09 Cellular mechanisms in focal epileptogenesis (cats)
 R01NS-06716-08 Cortical-thalamic relationships (cats, rats)
 R01NS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
 R01NS-07016-08 Structure and organization of the cerebral cortex (cats)
 P01NS-07468-07 Sensory biology research center
 ** P01NS-07512-06 0017 Neuronal development, interaction and organization - Morphophysiology of electronic junctions (fish)
 ** R01NS-07595-06 Structure and function in peripheral nerve (lobsters, garfish)
 R01NS-07720-07 Structure and projections of the cochlear nuclei (cats)
 ** R01NS-07734-06 Electrical excitation in giant axons (electric fish, squid)
 R01NS-07848-07 Synaptic chemistry in the nervous system (lobsters)
 ** P01NS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
 P01NS-07938-06 0009 Peripheral and central nervous system - Intracellular activities of ions (barnacles, frogs, aphasia and mammals)
 P01NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
 R01NS-07945-04 Aerobic mitochondrial regulatory processes (rabbits, rats)
 R01NS-08137-06 Membrane activity theory
 ** R01NS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
 ** R01NS-08336-14 Ion fluxes in nerve and muscle (squid, barnacles)
 R01NS-08409-06 Ionic conductance in nerve at low temperatures (squid)
 R01NS-08437-06 Optical studies of neuron activity and organization (leech)
 R01NS-08569-06 Development and cytodifferentiation of inner ear (chick embryo)
 ** R01NS-08626-06 Development of central nervous tissue in culture (mice)
 ** R01NS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
 ** R01NS-08951-06 Permeability mechanisms in excitable membranes (squid)
 R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinomas (human, rats, mice, rabbits)
 ** R01NS-09003-05 Structure, function, and assembly of nerve membranes (rats)
 ** R01NS-09015-05 Growth of axons in development of the nervous system (rats, cats)
 ** R01NS-09040-05 Photosensitization of giant axons (lobsters)
 R01NS-09082-03 Studies of neural proteins (rats)
 R01NS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
 R01NS-09299-04 Macromolecular control of neuronal function (squid, Myxocela, rats)
 R01NS-09518-04 Studies on the fine structure of the olfactory system (cats, rats)
 R01NS-09603-04 The biochemical effects of sensory deprivation (chicks)
 R01NS-09608-05 Biochemical aspects of nerve function (rats)
 ** R01NS-09632-03 Transmitter release in a control nervous system (sea lamprey)
 R01NS-09661-05 Organization of the nervous system (lamprey)
 R01NS-09904-03 Developmental morphology and synaptogenesis (animals)
 ** R01NS-09955-03 Biochemical studies in identified neurons (Aplysia)
 R01NS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
 R01NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
 R01NS-10489-03 Nerve excitation-Molecular mechanisms (squid)
 R01NS-10536-02 Organization of the striate cortex (monkeys)
 R01NS-10614-02 Neurochemistry of ganglion in culture (lobsters)
 ** R01NS-10648-02 Experimental neuropathology in tissue culture
 R01NS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
 ** R01NS-10821-02 Chemistry and metabolism of CNS myelin-free axons (cattle, rat)
 ** R01NS-10864-02 Axon regeneration in the spinal cord (rats)
 P01NS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
 ** P01NS-10920-02 0016 Development and regeneration in the nervous system - Studies of axoplasmic transport (rats, frogs)
 ** P01NS-10920-02 0017 Development and regeneration in the nervous system - The response of non-neuronal cells to axotomy (amphibians)
 R01NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
 R01NS-10978-02 Brain stem sensory connections (human, animals)
 ** P01NS-10981-02 0002 Control of activity in excitable tissues - Studies on gating phenomena in nerve (squid, crayfish)
 ** P01NS-10981-02 0003 Control of activity in excitable tissues - Chemical modification and ultrastructural changes in axon membranes (animals)
 ** P01NS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)
 P01NS-11132-01 0006 Neural basis of effects produced by spinal cord damage - Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles)
 ** R01NS-11145-01 Neurogenesis-Cytoarchitecture and growth of axons (rats, chick embryos)
 R01NS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 R01NS-11223-02 Regulation of ionic specificity of the sodium pump (squid)
 R01NS-11239-02 Mechanism of neuroplasmic flow (cattle)
 R01NS-11254-01 Projections of midbrain reticular formation (cats)
 P01NS-11255-01 0009 Comparative neurobiology (aphasia, fish, sea lions) - Unmyelinated fibers in the ventral root (cats)
 R01NS-11272-01 Lateral line projections of amphibia
 R01NS-11313-01 Neuronal interaction and electrogenesis (fish)
 R01NS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
 R01NS-11425-01 Development in vitro and mutant CNS (mice)
 ** R01NS-11456-02 Axonal glycoproteins and glycosaminoglycans (goldfish, garfish)
 ** R01NS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)
 R01NS-11589-01 Integrative neuroanatomy (rats, mice)
 R01NS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
 P01NS-11631-01 0056 Clinical center for research on Parkinson's and allied diseases - Electrophysiology of the mesencephalic route of corticothalamic fibers
 ** R01NS-11644-01 Generation and degeneration of axons (fish, rats)
 R01NS-11669-01 Development and plasticity in a visual system (rabbits)
 R01NS-11676-01 Time dependent phenomena in claimed excitable membranes
 R01NS-11699-01 Long-term changes in neurons (guinea pig)
 R01NS-11764-02 Fluctuation phenomena and ion movements in membranes (squid)
 R01NS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
 ** R01NS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
 R01NS-12043-01 Effects of anticonvulsants on metoneuron development
 ** R01NS-12066-01 Biochemical studies in identified neurons (aphasia)
 P07RR-00015-12 0002 Medical school computer facility - X-ray diffraction analysis of natural and artificial membrane systems
NERVOUS SYSTEM, NEURONS, AXOPLASM
 R01NS-09299-04 Macromolecular control of neuronal function (squid, Myxocela, rats)
NERVOUS SYSTEM, NEURONS, AXOPLASMIC FLOW
 P01AM-16716-01 0009 Pathophysiological bases of muscle diseases - Trophic effects of neurons on skeletal muscle (rats)
 R01EY-00031-05 Experimental pathology of the optic nerve (monkeys)
 ** P01HD-06276-03 0067 Mental retardation research program - Retrograde intraxonal transport and organ culture (rats, primates)
 R01HD-07338-01 Aging and biosynthesis in non-dividing cells (mice)
 P01HL-06312-13 0026 Surgical cardiology - Patterns of cardiac denervation (dogs)
 M P01NS-04513-11 Coordinated basic and clinical brain research program
 ** P01NS-04513-11 0017 Coordinated basic and clinical brain research program - Axoplasmic flow in cerebellar mossy and climbing fibers (cats)
 R01NS-04677-12 Central mechanism in diurnal rhythm regulation (rats)
 R01NS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
 R01NS-08620-04 Mechanisms of peripheral nerve dysfunction (human, rats)
 ** R01NS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
 R01NS-08735-06 Enzyme histochemistry of axon injury (cats)
 ** R01NS-09082-03 Studies of neural proteins (rats)
 R01NS-09603-04 The biochemical effects of sensory deprivation (chicks)
 ** P01NS-09704-04 0035 Developmental neurology - Hippocampal efferents using autoradiographic techniques
 R01NS-09955-03 Biochemical studies in identified neurons (Aplysia)
 R01NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
 R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
 R01NS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
 R01NS-10907-01 Differentiation of nerve tumor cells in tissue culture (mice)
 ** R01NS-11042-01 Axoplasmic flow in cerebellar afferent systems (cats)
 R01NS-11299-01 Studies of nerve development (chick embryo)
 R01NS-11441-01 Neural basis of epileptiform activity (rats, rabbits)
 ** R01NS-11559-01 Pathological aspects of neuroplasmic flow (mice)
 R01NS-11589-01 Integrative neuroanatomy (rats, mice)
 ** P01NS-11642-01 0009 Basic and clinical neuroendocrinology - Ultrastructural localization of neural hormones
 R01NS-11644-01 Generation and degeneration of axons (fish, rats)
 ** R01NS-11755-01 Neurotrophic regulation of muscle protein synthesis (rats)
 R01NS-12066-01 Biochemical studies in identified neurons (aphasia)
NERVOUS SYSTEM, NEURONS, DENDRITES
 R01EY-00929-03 Neural organization of the visual system (squirrels, shrews, cats)
 R01EY-01086-02 Structure and development of visual cortex (primates)
 R01EY-01255-01 Quantitative anatomical studies of visual deprivation (monkeys, mice)
 R01EY-01398-01 Serial section analysis of developing mouse retina
 P01HD-05796-03 0005 Aging in connective tissue, brain and auditory system - Changes in the auditory cortex (rats)
 P01HD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1HD-06862-02 Environmental effects on rat brain synapses
- RO1NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- PO1NS-02808-13 0024 Special clinical research project in neurophysiology - Neuropathological studies on resection specimens (human)
- RO1NS-07016-08 Structure and organization of the cerebral cortex (cats)
- PO1NS-07464-07 0024 Laboratory of neurobiology - Central nervous system of the nurse shark
- PO1NS-07512-06 0022 Neuronal development, interaction and organization - Plasticity of synaptic reorganization in relation to central neurons (cats)
- PO1NS-07512-06 0031 Neuronal development, interaction and organization - Developmental alterations in brains of cretinoid rats
- ** RO1NS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
- RO1NS-07945-04 Aerobic mitochondrial regulatory processes (rabbits, rats)
- RO1NS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
- RO1NS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- RO1NS-08996-05 Peripheral and central studies of neural organization (insects)
- RO1NS-09677-04 Motoneuron repetitive firing mechanisms (cats)
- RO1NS-09904-03 Developmental morphology and synaptogenesis (animals)
- RO1NS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
- ** RO1NS-10492-03 Computer analysis of neuron structure and function (frogs)
- RO1NS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
- RO1NS-10825-01 Growth of identified neurons—Effect of deprivation
- RO1NS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
- RO1NS-11559-01 Pathological aspects of neuroplasmic flow (mice)
- RO1NS-11589-01 Integrative neuroanatomy (rats, mice)
- RO1NS-11751-01 Synaptic integration in a bimodal sensory interneuron
- RO1NS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
- RO1NS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)
- ** RO1NS-60940-13 Cytomyelo and dendritic-architecture of the monkey brain
- NERVOUS SYSTEM, NEURONS, INTERNEURONS**
- PO1AM-16716-01 0006 Pathophysiological bases of muscle diseases - Sensory input and motor activity (cats)
- RO1EY-00621-04 Functional organization of the visual system (mice)
- RO1EY-00784-03 Cellular basis of visual integration (arthropods, crustaceans)
- RO1EY-00906-03 Integration in the visual system (Decapods)
- RO1EY-00998-02 Receptive field organization in visual system (cats)
- RO1NH-19515-04 Substrates of elementary behavioral plasticity (rats)
- RO1NH-21114-03 Circadian rhythms and the central nervous system (crayfish, insects, hamsters)
- ** RO1NS-02944-14 Neural organization in ganglia (crayfish)
- ** RO1NS-03273-13 Studies on cell interconnections (rats, mice)
- PO1NS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)
- ** RO1NS-05423-10 Neural basis of behavior (crayfish)
- ** PO1NS-07512-06 0030 Neuronal development, interaction and organization - Inhibitory activities of thalamic neurons (cats)
- ** RO1NS-07778-07 Neural development (crickets)
- ** RO1NS-08108-07 Escape reflex—Physiology of habituation (crayfish)
- RO1NS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)
- RO1NS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- ** RO1NS-09050-04 Neuronal control of locomotion and neuronal ontogeny (animals)
- ** RO1NS-09196-04 Discharge patterns of motoneurons (cats, frogs)
- RO1NS-09367-04 Organization of primitive spinal cord (lamprey)
- ** RO1NS-09404-04 Central control of sensory interneurons (insects, mollusks)
- RO1NS-09474-04 Integrative mechanisms in ganglia (decapods)
- ** RO1NS-09632-03 Transmitter release in a central nervous system (sea lamprey)
- RO1NS-09696-04 Neural control of discrete behavioral processes (snails)
- RO1NS-09971-02 Use and disuse of spinal pathways (cats, rats)
- ** RO1NS-10161-04 Individual neurons in a single nervous system (leeches)
- PO1NS-10299-03 0008 Biophysical and biochemical studies of cellular membranes - Octopus central nervous system
- ** RO1NS-10304-02 Spinal tract projections to ventral horn interneurons (cats)
- RO1NS-10825-01 Growth of identified neurons—Effect of deprivation
- ** RO1NS-10972-02 Basal forebrain organization (rats, sharks)
- ** RO1NS-11295-01 Mechanisms of interneuronal communications in culture (rats)
- RO1NS-11383-01 Synaptic connectivity in motor systems (crayfish)
- RO1NS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
- RO1NS-11555-01 Synaptic organization of identified neural network (mollusks)
- PO1NS-11631-01 0053 Clinical center for research on Parkinson's and allied diseases - Electrophysiological analysis of intra VL synaptic organization
- ** RO1NS-11751-01 Synaptic integration in a bimodal sensory interneuron
- NERVOUS SYSTEM, NEURONS, MAUTHER'S NEURONS**
- RO1NS-11313-01 Neuronal interaction and electrogenesis (fish)
- NERVOUS SYSTEM, NEURONS, NEUROFIBRILS**
- ** RO1EY-01244-02 Neurofibrillar degeneration in cone dysfunction (dogs)
- ** RO1EY-01249-01 Evaluation of the retinal nerve fiber layer (human)
- PO1HD-01799-09 0005 Mental retardation research center - Neuropathological processes in development and aging (human)
- PO1HL-06285-14 0180 Cardiovascular-respiratory physiology and biochemistry - Vagal C-fibers and their influence on visceral and somatic function (animals)
- ** RO1HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
- RO1NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- PO1NS-04513-11 0002 Coordinated basic and clinical brain research program - Neurophysiological studies of striated muscle innervation, (cats)
- PO1NS-04513-11 0009 Coordinated basic and clinical brain research program - Development of nerve terminals in explants of cerebellum(mice)
- ** RO1NS-06239-09 Chemical cytology and pathology of nervous tissue (fish, bullfrogs)
- ** RO1NS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
- ** RO1NS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)
- RO1NS-09760-04 Studies in aging of the brain (human)
- RO1NS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- RO1NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
- RO1NS-10821-02 Chemistry and metabolism of CNS myelin-free axons (cattle, rat)
- PO1NS-10981-02 0002 Control of activity in excitable tissues - Studies on gating phenomena in nerve (squid, crayfish)
- ** PO1NS-10981-02 0006 Control of activity in excitable tissues - Conductance of single open sodium channel (lobsters)
- RO1NS-11026-01 An analysis of reinnervated muscle spindles (cats)
- ** RO1NS-11239-02 Mechanism of neuroplasmic flow (cattle)
- RO1NS-11254-01 Projections of midbrain reticular formation (cats)
- RO1NS-11386-01 Experimental neuropathies—Correlative studies (cat)
- ** PO1NS-11631-01 0071 Clinical center for research on Parkinson's and allied diseases - Conduction velocity of motor nerve fibers (cats)
- NERVOUS SYSTEM, NEURONS, NEUROFIL**
- ** PO1HD-05615-04 0004 Developmental biology in mental retardation - Hypoxia and hypothyroidism in neuropil differentiation (mice)
- ** PO1HD-05796-03 0005 Aging in connective tissue, brain and auditory system - Changes in the auditory cortex (rats)
- PO1HD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
- RO1NS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- RO1NS-03659-13 Fine structure of the nervous system (rats, nonkeys)
- ** RO1NS-08669-05 Ontogenesis of visual synaptic neuropiles (flies)
- RO1NS-09330-04 Development of neurons and related cells in vitro (*Drosophila*)
- ** RO1NS-09418-03 Anatomic and physiologic correlation in the neuropil (crayfish)
- ** RO1NS-10567-02 Structural-functional studies of neuropil modules (cats)
- RO1NS-10657-01 Undernutrition and synapse development (mice)
- RO1NS-11468-01 Development of rhythmic processes in neonatal thalamus (cats)
- NERVOUS SYSTEM, NEURONS, NODES OF RANVIER**
- ** PO1NS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)
- NERVOUS SYSTEM, NEURONS, SCHWANN CELLS**
- ** PO2CA-13525-03 0012 Program for treatment of malignant brain tumors - Virus-like particles in human schwannoma
- RO1GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)
- RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- RO1NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- RO1NS-04656-11 Protein synthesizing machinery (frogs)
- RO1NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotaxins (human, rats, mice, rabbits)
- RO1NS-09673-01 Fine structure of myelination and myelin disease (dogs)
- RO1NS-10861-02 Clonal lines of nervous system cells in tissue culture (human, rats)
- PO1NS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)
- RO1NS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
- RO1NS-12043-01 Effects of anticonvulsants on motoneuron development
- NERVOUS SYSTEM, PARAGANGLIA**
- SEE ALSO ADRENAL MEDULLA
SEE ALSO NEUROUS NEOPLASMS, PARAGANGLIA NEOPLASMS
SEE ALSO NEUROSURGERY, GLOMECTOMY
- RO1AM-05427-13 Biochemistry of the adrenal medulla (cats, rabbits, guinea pigs)
- ** RO1AM-17212-01 Life cycle of adrenal medulla chromaffin granules
- RO1GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)
- RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- ** RO1NS-09137-05 Stimulus-secretion coupling and chromaffin cells (rodents, cats)
- RO1NS-09331-04 Cytology and function of adrenergic neurons in brain (toads)
- NERVOUS SYSTEM, PARAGANGLIA, AORTIC BODY**
- PO1ES-00454-06 0021 Biological effects of environmental agents - Neural reflexes in cardiovascular response to CO and hypoxic hypoxia (dogs)
- ** RO1HL-13926-04 Coronary blood supply and function of aortic bodies (dogs)
- NERVOUS SYSTEM, PARAGANGLIA, CAROTID BODY**
- PO1ES-00454-06 0021 Biological effects of environmental agents - Neural reflexes in cardiovascular response to CO and hypoxic hypoxia (dogs)
- PO1GM-15571-06 0001 Anesthesia research—Program project - Control of respiration in hyperpnea of exercise (dogs, human)
- PO1GM-15571-06 0045 Anesthesia research—Program project - Peripheral chemoreceptors and cardiovascular response to isovolemic anemia (cats)
- PO1GM-15571-06 0053 Anesthesia research—Program project - Effect of chronic metabolic alkalosis and acidosis on ventilation and CSF HC03
- ** PO1GM-18715-02 0003 Biochemical effects and chemical reactions of drugs - Effects of hypoxia and cyanide on pH of gliomus cells
- RO1HL-04512-15 Ultrastructural studies of capillary permeability (rats, mice, dogs)
- ** PO1HL-06285-14 0182 Cardiovascular-respiratory physiology and biochemistry - Structure and function of vascular chemoreceptors (cats, rats)
- ** PO1HL-08905-10 0024 Cardiovascular and pulmonary performance - Patterns of blood flow and vascular characteristics of the carotid body (cats)
- ** PO1HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
- RO1HL-11907-06 Mechanisms of physiological responses to exercise (human, dogs)
- RO1HL-12564-05 Control of respiration and blood gases (human)
- RO1HL-13134-04 Mechanism of chemoreceptor discharge (cats)
- P17HL-14152-04 0007 Pulmonary specialized center of research - Adaptation of the lung to birth and the onset of respiration (lambs)
- PO1HL-14388-03 0003 Regulation of the circulation in pathological states - Patterns of baroreceptor afferents in response to pressure (dogs)
- PO1HL-14388-03 0030 Regulation of the circulation in pathological states - Autonomic innervation and reactivity of coronary vessels (dogs)

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*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-15659-01 Dynamic isolation studies of control of respiration (human, computer models)
 ** R01HL-16239-01 Carotid body control of ventilation (cats)
 ** R01NS-05666-10 SChemoreceptor activity of carotid body (frogs, crayfishes)
 R01NS-07662-08 Structure of nerve endings (rats, chickens)
 ** P01NS-07938-06 0001 Peripheral and central nervous system - Chemoreceptor receptors (cats, frogs)
 P01NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapods, cats)
 ** P01NS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)
 ** M01RR-00059-13 0095 General clinical research center - Effect of catecholamines on ventilation in carotid body chemodectomas (human)

NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)

- SEE ALSO NERVOUS DISORDERS PERIPHERAL
 R01AM-09432-10 Fine structure and localization of cholesterol (mice, rats, human)
 R01AM-14952-04 Hemodynamic control of adrenal corticoid secretion (cats)
 R01AM-16186-02 0002 Inhibition of scars in tendon and nerve injury - Nerve studies (rats)
 P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
 R01DE-03022-06 Blood flow in normal and diseased gingiva (dogs)
 R01ES-00814-05 Mode of action of insecticides (American cockroach, flies)
 ** P01GM-10402-12 0011 Zoophysiology in Alaska - Heterothermous operations of nerves (squirrels, marmots, whales)
 P01GM-10402-12 0023 Zoophysiology in Alaska - Function of nerves in cyclic population "crash" of snowshoe hares
 ** P01GM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue
 P01GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)
 P01HD-06276-03 0046 Mental retardation research program - Cholesterol in developing and regenerating nervous system (rats, mice)
 P01HD-06276-03 0048 Mental retardation research program - Role of rectal biopsy in diagnosis of podiatric neurologic disorders
 R01HL-15311-02 Development of Hering-Brouer reflexes (opossum)
 R23HL-17103-01 Control of active expiration (cats)
 R01MH-14110-07 0015 Neural modulation and transmission - Convulsions and antiepileptic drugs (earthworms)
 P01MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
 P01MS-03356-14 0029 Neurological clinical research center - Acrylamide neuropathy (cats)
 ** R01NS-03989-12 Comparative study of nerve ultrastructure (animals)
 R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 R01NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
 R01NS-06624-09 CNS control of fluid and electrolyte metabolism (cats)
 ** R01NS-07595-06 Structure and function in peripheral nerve (lobsters, garfish)
 ** R01NS-07730-06 Physiology of CNS afferent pathways (cats)
 M P01NS-07938-06 Peripheral and central nervous system
 P01NS-07938-06 0003 Peripheral and central nervous system - Quantum hypothesis and spinal motoneurons
 P01NS-07938-06 0007 Peripheral and central nervous system - Somatic sensory pathway (mammals)
 R01NS-08440-06 Metabolic basis of neural function (animals)
 ** R01NS-08453-06 Pathways subserving proprioception (rats, amphibians)
 R01NS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
 R01NS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
 P01NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
 P01NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
 R01NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
 R01NS-08829-06 ACH turnover and choline metabolism in the CNS (rats, guinea pigs)
 R01NS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
 R01NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotoxins (human, rats, mice, rabbits)
 R01NS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)

- R01NS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)
 P01NS-10175-03 0020 Neuromuscular disease research center - Catecholamines-pargyline myopathy in rat
 R01NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
 ** R01NS-10559-02 Myelin sheath structure (mice, rats, chicks)
 R01NS-10666-02 Developmental and trophic neural interactions (chicks embryo, frogs)
 R01NS-10681-02 Structural neuroanatomy of myelin (human, fish, earthworm, shrimp, mice)
 R01NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
 ** R01NS-10763-06 Myelin synthesis in normals and diabetics (mice, human, dog, cat, rabbit, rat)
 P01NS-11066-01 0001 Fundamental studies in spinal cord injury - Electrophysiological studies in spinal cord injury (cats)
 R01NS-11239-02 Mechanism of neuroplasmic flow (cattle)
 R01NS-11364-02 Cytological localization of serotonin (rabbits, chicks)
 ** R01NS-11544-01 Integration and regeneration in the nervous system (leeches)
 R01NS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
 R01NS-11650-01 Morphology of collateral nerve sprouting (cats)
 R01NS-12031-01 Functional organization of CNS vasomotor system (cats)

NERVOUS SYSTEM, SPINAL NERVES

- ** P01HL-08682-11 0008 Regulation of the cardiovascular system - Spinal regulation of vasomotor and sudomotor outflows (human, dogs, cats)
 ** R01NS-03989-12 Comparative study of nerve ultrastructure (animals)
 R01NS-09677-04 Motoneuron repetitive firing mechanisms (cats)
 ** R01NS-10319-03 Monosynaptic transmission in spiral neurons (cats)
 R01NS-10492-03 Computer analysis of neuron structure and function (frogs)

NERVOUS SYSTEM, SPINAL NERVES, LUMBAR PLEXUS

- R01HL-13187-05 0003 Central neural control of cardiovascular function - Modulation of baroreceptor reflexes (cats)

NERVOUS SYSTEM, SPINAL NERVES, PHRENIC NERVE

- P01GM-10402-12 0011 Zoophysiology in Alaska - Heterothermous operations of nerves (squirrels, marmots, whales)
 R01HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
 R01HL-04651-15 Remote stimulation by radio-frequency transmission (dogs, human)
 P01HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
 ** P01HL-10342-09 0012 Cardiovascular, pulmonary, and behavioral studies - Phrenic nerve-tidal volume studies (dogs, cats)
 P01HL-10342-09 0014 Cardiovascular, pulmonary, and behavioral studies - Carbon dioxide transport (dogs)
 ** P17HL-14179-04 0010 Center for the study of lung disease - Electrophrenic respiration (human)
 R01HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
 R01HL-14735-02 Electromyography in the study of ventilatory control (dogs, human)
 R01HL-17689-02 Neurophysiologic studies of respiratory control (cats)
 P01NS-10175-03 0009 Neuromuscular disease research center - Reactivation rates of CHE for endplate and muscle (rats)
 R01NS-11458-01 Neurophysiologic studies of respiratory control (mammals)

NERVOUS SYSTEM, SPINAL NERVES, SACRAL PLEXUS

- R01NS-10304-02 Spinal tract projections to ventral horn interneurons (cats)

NERVOUS SYSTEM AUTONOMIC

- SEE ALSO NERVOUS DISORDERS AUTONOMIC (GENERAL)
 R01AL-08106-06 Autonomic function in asthma (human, rats, mice)
 P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 R01AM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
 R01AM-14952-04 Hemodynamic control of adrenal corticoid secretion (cats)
 R01AM-15258-05 Physiological regulation of small gut secretion (dogs)
 ** R01AM-15834-03 Autonomic effects on glucagon and insulin secretion (ducks, dogs)

- R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
 ** R01AM-16488-02 Autonomic neural control of intestinal contractility (rats, rabbits)
 R01AM-16520-03 Inhibition of gastric secretion by fat (dogs)
 ** P17AM-17026-01 0001 Vanderbilt University Diabetes-Endocrinology Center - Autonomic control over metabolic homeostasis (rats)
 ** P17AM-17026-01 0043 Vanderbilt University Diabetes-Endocrinology Center - Autonomic modification of substrate and hormonal responses to glucose in man
 R01AM-17082-01 Neural regulation of insulin secretion rate (dogs)
 R01AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)
 R01EY-00692-04 Comparative study of glaucoma (monkeys, cats)
 R01EY-00863-03 Neurohumoral control of intraocular pressure (rabbits)
 R01EY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
 P11GM-15190-08 0015 Center for toxicological research and training - Drugs affecting autonomic nervous system (rats, human)
 ** P01HD-00668-16 0011 Aging and the aged - Learning and psychophysiological parameters in aged (human)
 R01HD-04189-05 Physiology of the mammalian oviduct
 R01HD-05948-01 Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human)
 R01HD-06936-02 Cardiovascular function in fetal and neonatal animals (lambs)
 R01HD-07277-02 Development of the nervous system (human)
 R01HD-07681-01 Fetal cardiovascular response to asphyxia (sheep)
 R01HD-07755-01 Learning and psychophysiological studies in the aged
 R01HL-02953-17 Autonomic and cardiovascular pharmacology (rats, rabbits, dogs, guinea pigs)
 R01HL-04457-16 Cellular aspects of active transport (fish)
 P01HL-06285-14 0125 Cardiovascular-respiratory physiology and biochemistry - Myocardial function in the fetal and neonatal lamb
 ** P01HL-06285-14 0187 Cardiovascular-respiratory physiology and biochemistry - Regulation of airway smooth muscle (dogs)
 P01HL-06285-14 0189 Cardiovascular-respiratory physiology and biochemistry - Physiology, pharmacology in regulation of airways-mucociliary (animals)
 P01HL-06285-14 0208 Cardiovascular-respiratory physiology and biochemistry - Composition, properties and turnover of pulmonary surfactant (human, animals)
 P01HL-06312-13 0025 Surgical cardiology - Effect of denervation on arrhythmias and function with coronary occlusion (dogs)
 P01HL-06312-13 0028 Surgical cardiology - Coronary flow in the transplanted denervated heart (dogs)
 ** P01HL-06664-13 0023 Cardiopulmonary function in remediable vascular disease - Adrenergic effects on cardiac function during physiologic stress (dogs)
 P01HL-06945-13 0001 Psychogenic factors in cardiovascular functions - Environmental and behavioral influences on coronary function (dogs)
 R01HL-07047-13 Comparative study of cardiac conduction system (human, birds, mammals)
 ** R01HL-08659-11 Myocardial performance and metabolism in the newborn (sheep)
 P01HL-08682-11 0001 Regulation of the cardiovascular system - Regulation of the cardiodynamic mechanisms (human, animals)
 P01HL-08805-10 0008 Cardiovascular and pulmonary performance - Renal blood flow in experimental cardiogenic shock (dogs)
 R01HL-10869-08 Response of the denervated heart to drugs (rats, dogs)
 R01HL-10912-09 Development of the conduction system of the heart (chickens, mice)
 P01HL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
 R01HL-12607-06 Blood flow impedance in regional vascular beds (dogs)
 R01HL-12648-05 Catecholamine metabolism in hypertensive diseases (human, rats)
 ** P01HL-12738-06 0066 Physiologic pharmacology and its clinical applications - CNS and fatal arrhythmia after coronary occlusions (dogs)
 ** P01HL-12738-06 0085 Physiologic pharmacology and its clinical applications - The autonomic nervous system in the asthmatic child
 ** R01HL-12827-05 Regulation of sodium excretion (dogs, rats)
 ** R01HL-13033-05 Neural cardiovascular control (dogs, monkeys)
 P01HL-13517-04 0014 Circulatory performance and prediction - Baroreceptor reflexes in man (and animals)
 ** R01HL-13927-03 Autonomic regulation of regional blood flow (dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01HL-14388-03 0030 Regulation of the circulation in pathological states - Autonomic innervation and reactivity of coronary vessels (dogs)
- ** P01HL-14388-03 0033 Regulation of the circulation in pathological states - Reactivity of coronary vessels in chronic congestive failure (animals)
- R01HL-14412-03 Cardiac toxicity of aerosol propellants (human, mammals)
- P01HL-14414-03 0010 Cardiorespiratory performance and environmental factors - Cardiac effects of high pressure (dogs)
- R01HL-14563-03 Efferent nerve impulse traffic in hemorrhagic shock (dogs)
- R01HL-14828-03 Cardiac adaptation to physical training (dogs)
- R01HL-15011-02 Altered adrenergic function in essential hypertension (human, rats)
- ** P17HL-15063-03 0012 SCOR diffuse infiltrate vs lung disease - Autonomic regulation of the tracheobronchial tree (human)
- R01HL-15467-02 Normal and abnormal regulation of sodium secretion (dogs)
- ** R01HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
- R01HL-16656-01 Left ventricular function in exercise (dogs)
- R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
- ** R01MH-00623-21 Psychophysiology of the autonomic nervous system (human, cats, monkeys)
- R01MH-19497-03 Memory processes and retention (rats, mice)
- ** R01MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
- R03MH-24551-01 Autonomic and cortical responses to affective stimuli (human)
- R01MH-24949-01 Drugs, behavior and the cholinergic nervous system
- ** P01NS-03346-13 0011 Research center for cerebrovascular disease - Regulation of cerebral blood flow in idiopathic autonomic insufficiency (human)
- R01NS-03641-08 Comparative studies on nervous system (mammals)
- ** R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- ** R01NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
- R01NS-06701-08 New methods for the study of amine transmitters (rodents, chickens)
- R01NS-07687-07 Hunger, thirst and water metabolism (rabbits)
- P01NS-09287-04 0005 Baylor center for cerebrovascular research - Hemispheric blood flow and metabolism in cerebrovascular disease (human)
- R01NS-11364-02 Cytological localization of serotonin (rabbits, chicks)
- P01NS-11642-01 0014 Basic and clinical neuroendocrinology - Pituitary function and nervous system

NERVOUS SYSTEM AUTONOMIC, AUTONOMIC GANGLIA

SEE ALSO NERVOUS SYSTEM AUTONOMIC, CILIARY GANGLION
SEE ALSO NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA

- R01NS-00282-22 Neurohumoral transmitters and related drugs (animals)
- ** R01NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)
- ** P01NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, neoturus)
- R01NS-03756-12 Histogenesis in normal and abnormal brain (mice)
- ** R01NS-07540-07 Sympathetic ganglia following conditioning (frogs)
- ** R01NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
- ** R01NS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)

NERVOUS SYSTEM AUTONOMIC, AUTONOMIC REFLEXES

- R01AM-11242-08 Regulation of lower esophageal sphincter (opossum)
- R01AM-17112-02 Neural control of insulin secretion (rats, dogs)
- ** R01DA-00801-01 Central and peripheral narcotic drug actions (mammals nonhuman)
- R01DA-00826-01 Pituitary-adrenal function and narcotic addiction (rats, mice)
- ** R01HD-06314-03 Crib death and development of cardiopulmonary reflexes (human)
- ** R01HL-04741-15 Central nervous control of cardiovascular function (primates)
- P01HL-06336-14 0011 Cardiovascular program project - Cardiovascular regulation in myocardial infarction (human)
- P01HL-06349-13 0008 Cardiovascular disease clinical program project - Angiotensin and renin secretion in prehypertensive adolescents
- ** R01HL-10951-07 Reflex control of ventricular contractility (human, dogs)

- R01HL-11962-06 Mechanisms of cardiovascular response to anoxia (dogs)
- R01HL-12614-06 Microcirculatory control mechanisms and hypertension (bats, rats)
- R01HL-12964-11 Neurogenic regulation of vascular resistance (dogs, rats)
- ** P01HL-13517-04 0014 Circulatory performance and prediction - Baroreceptor reflexes in man (and animals)
- ** R01HL-13616-05 Morphology of reflexogenic zones of heart (cats, monkeys)
- P17HL-15103-03 0006 Specialized center of research-arteriosclerosis - Begalusa family studies-Behavioral stress factors (human)
- R01HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
- R01HL-16149-01 Ventricular baroreceptors in circulatory control (dogs)
- R01HL-16376-01 Coronary circulation control (dogs)
- P01HL-16910-01 0002 Regulation of the peripheral circulation - Coronary circulation (dogs)
- R01MH-03916-15 Perceptual factors in emotional conditioning (human)
- ** R01MH-08853-10 Instrumental properties of human autonomic functions
- R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
- ** R01NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
- ** R01NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
- ** R01NS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
- ** R01NS-11458-01 Neurophysiologic studies of respiratory control (mammals)
- ** M01RR-00080-12 0007 General clinical research center - Development of autonomic reflexes (human)
- M01RR-00095-14 0021 General clinical research center - Adrenergic pharmacology (human)
- ** M01RR-00210-10 0032 General clinical research center - Maternal-child - Crib death and development of autonomic reflexes

NERVOUS SYSTEM AUTONOMIC, CILIARY GANGLION

- R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- P01NS-03354-13 0001 Neurosensory center - Neuro-ophthalmology
- R01NS-07662-08 Structure of nerve endings (rats, chickens)
- ** P01NS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
- R01NS-09904-03 Developmental morphology and synaptogenesis (animals)
- R01NS-10338-03 Ganglionic synaptic transmission (birds)
- R01NS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
- R01NS-10832-01 Trophic interactions at synapses (chickens)

NERVOUS SYSTEM AUTONOMIC, HEART INNervation

- SEE ALSO HEART, CONDUCTION SYSTEM
- R01DA-00124-03 Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats)
- R01ES-00814-05 Mode of action of insecticides (American cockroach, flies)
- P01GM-10402-12 0011 Zoophysiology in Alaska - Heterothermous operations of nerves (squirrels, marmots, whales)
- ** P01HD-03015-08 0031 Program for developmental biology - Stomatogastric, stellate and cardiac ganglions (squids, lobsters)
- ** P01HD-06267-03 0001 Role of biological membranes in aging processes - Changes in cardiac membrane properties (rats)
- R01HD-07277-02 Development of the nervous system (human)
- M P01HL-06312-13 Surgical cardiology
- ** P01HL-06312-13 0023 Surgical cardiology - Cardiac innervation-Effect of denervation on atherosclerosis (animals)
- ** P01HL-06312-13 0025 Surgical cardiology - Effect of denervation on arrhythmias and function with coronary occlusion (dogs)
- ** P01HL-06312-13 0026 Surgical cardiology - Patterns of cardiac denervation (dogs)
- P01HL-06312-13 0027 Surgical cardiology - Regional blockade to attain temporary cardiac denervation (dogs)
- P01HL-06945-13 0004 Psychogenic factors in cardiovascular functions - Environmental-behavioral influences on cardiac contractility (monkeys)
- R01HL-07047-13 Comparative study of cardiac conduction system (human, birds, mammals)
- P01HL-08203-12 0002 Renal homotransplantation in man - Cardiac transplantation (human, dogs)
- M P01HL-08682-11 Regulation of the cardiovascular system
- P01HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)

- ** P01HL-00682-11 0011 Regulation of the cardiovascular system - Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits)
- R01HL-08696-10 0008 Orthotopic heart transplantation - Cardiac output during exercise in cardiac denervated and reinnervated dog
- ** R01HL-08845-10 (dogs, rabbits)
- R01HL-09315-11 Coronary insufficiency and myocardial revascularization (human, dogs)
- ** R01HL-10869-08 Response of the denervated heart to drugs (rats, dogs)
- ** P01HL-13108-05 0018 Clinical heart transplantation - Effect of heart rate on cardiac output in the denervated heart (human)
- ** P01HL-13108-05 0019 Clinical heart transplantation - Isoproterenol and cardiac output in the denervated transplanted heart (human)
- P01HL-13108-05 0024 Clinical heart transplantation - Catecholamine hypersensitivity in the longterm transplant survivor (human)
- ** P01HL-13108-05 0031 Clinical heart transplantation - Circulatory response to hypoxia in the denervated transplanted heart (human)
- P01HL-13480-04 0022 Cardiac electrophysiology - Stimulating cardiac nerves and cardiac rhythm
- ** R01HL-13616-05 Morphology of reflexogenic zones of heart (cats, monkeys)
- R01HL-13666-03 Pharmacologic studies on the genesis of cardiac rhythmicity (rabbits, cats)
- P01HL-13737-04 0027 Assisted circulation - Optimization of cardiac assistance
- R01HL-13920-03 Expanding the role of surgery of atrial dysrhythmias (dogs)
- R01HL-13927-03 Autonomic regulation of regional blood flow (dogs)
- ** P01HL-14388-03 0030 Regulation of the circulation in pathological states - Autonomic innervation and reactivity of coronary vessels (dogs)
- ** P01HL-14388-03 0035 Regulation of the circulation in pathological states - Heart response to stimuli in infarction and ventricular failure (animals)
- P01HL-14388-03 0036 Regulation of the circulation in pathological states - Physical training and the coronary circulation (dogs)
- R01HL-14673-03 Parasympathetic control of cardiac lipid metabolism (dogs)
- ** P01HL-15833-01 0015 Pharmacologic and physiologic basis of cardiac therapy - Changes induced in the denervated transplanted human heart
- P01HL-15833-01 0016 Pharmacologic and physiologic basis of cardiac therapy - Electrophysiologic studies in patients heart block and cardiac denervation
- R01HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
- ** R01HL-16657-01 Innervation of coronary arteries and heart (cats, Aplysia)
- P01HL-16910-01 0002 Regulation of the peripheral circulation - Coronary circulation (dogs)
- P01NS-06890-07 0017 Sensory processes - Crustacean heart as integrating system role of sensory feedback

NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM

SEE ALSO DRUGS RECEPTORS, CHOLINERGIC RECEPTORS
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES

- SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, VAGUS
- P15AI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- R01AM-12829-06 Dogs)
- R01AM-14362-04 Regulation of purine metabolism in human cells
- P01ES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)
- ** R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- ** R01HD-06406-03 Regulation of uterine blood flow (monkeys)
- ** R01HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
- ** R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- R01HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
- P01HL-08682-11 0011 Regulation of the cardiovascular system - Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits)
- P01HL-10342-09 0021 Cardiovascular, pulmonary, and behavioral studies - Regulation of systemic, pulmonary, and coronary circulation (dogs)
- ** P01HL-13108-05 0013 Clinical heart transplantation - Vagal tone in the decerebrate patient
- P17HL-14150-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-14201-04 0006 Pulmonary disease research center - Development of lung stability (human, animals)
- P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
- ** R01HL-14673-03 Parasympathetic control of cardiac lipid metabolism (dogs)
- ** P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- ** R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)
- R01NS-00847-19 Mechanism of function of higher integrative center (cats, dogs)
- R01NS-07685-06 Vestibular control of sensory mechanisms (cats)
- R01NS-09733-04 Biochemical characterization of habituation (protozoa)
- R01NS-10259-03 Regulation of neuronal growth and development (mice, rats)
- R01NS-10792-02 Physiology of synapses developing in vivo (salamanders)
- R01NS-11087-01 Purified choline acetyltransferase (guinea pig)
- R01NS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
- R01NS-12043-01 Effects of anticonvulsants on motoneuron development
- NERVOUS SYSTEM AUTONOMIC, SPANCHNIC NERVES**
- R01AM-17082-01 Neural regulation of insulin secretion rate (dogs)
- ** P01GM-09069-12 0073 Research in anesthesiology - Splanchnic circulatory control (cats)
- P01GM-09069-12 0116 Research in anesthesiology - Cyclopropane and splanchnic nerve discharge (cats)
- R01HL-13187-05 0003 Central neural control of cardiovascular function - Modulation of baroreceptor reflexes (cats)
- R01NS-03970-12 Neural basis of respiratory and vasomotor activity (cats)
- R01NS-09918-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- R01NS-12031-01 Functional organization of CNS vasomotor system (cats)
- NERVOUS SYSTEM AUTONOMIC, SUPERIOR CERVICAL GANGLION**
- R01AM-15776-01 Neural pathways involved with ACTH secretion (rats)
- P01EY-00336-08 0021 CLINICAL STUDENT OF GLAUCOMA - Tyrosine hydroxylase (rabbits)
- R01NS-08440-06 Metabolic basis of neural function (animals)
- R01NS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
- R01NS-11576-01 Development of sympathetic junctions in culkuro (rats)
- R01NS-11666-01 Genetics of neuronal growth and development (mice)
- ** R01NS-11699-01 Long-term changes in neurons (guinea pig)
- NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA**
- SEE ALSO NERVOUS SYSTEM, PARAGANGLIA
SEE ALSO NERVOUS SYSTEM AUTONOMIC, SUPERIOR CERVICAL GANGLION
- P01GM-15904-07 0007 Anesthesiology center for research and teaching - Anesthetics and evoked potentials in sympathetic ganglion cells
- ** P01HD-03015-08 0013 Program for developmental biology - Dissociated and cultured nerve cells - Growth factors (mice, chickens)
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- R01HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
- ** R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- ** P01NS-02253-15 0002 Neurophysiological and neurochemical studies - Studies of fibroblasts and neurons in tissue culture
- ** R01NS-03989-12 Comparative study of nerve ultrastructure (animals)
- ** R01NS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
- ** R01NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- ** R01NS-07540-07 Sympathetic ganglia following conditioning (frogs)
- ** R01NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
- R01NS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
- R01NS-10259-03 Regulation of neuronal growth and development (mice, rats)
- R01NS-10578-01 Regulation of enzyme development in neurons (rats)
- R01NS-11299-01 Studies of nerve development (chick embryo)
- ** R01NS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
- ** P01NS-11631-01 0003 Clinical center for research on Parkinson's and allied diseases - Electron microscopy studies (animals)
- P01NS-11631-01 0040 Clinical center for research on Parkinson's and allied diseases - Pathology of Parkinson's disease (human, monkeys)
- P01NS-11631-01 0064 Clinical center for research on Parkinson's and allied diseases - Effects of drugs on catecholamines (chicken)
- ** R01NS-11666-01 Genetics of neuronal growth and development (mice)
- NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM**
- SEE ALSO DRUGS RECEPTORS, ADRENERGIC RECEPTORS
SEE ALSO NERVOUS SYSTEM AUTONOMIC, SPANCHNIC NERVES
SEE ALSO NERVOUS SYSTEM AUTONOMIC, SUPERIOR CERVICAL GANGLION
- R01AA-01387-01 Catecholamine-derived alkaloids in alcoholism (rats)
- P15AM-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
- R01AM-12221-01 Mechanisms of toxicity of bacterial endotoxin (sheep, mice)
- P01AM-06704-12 0002 Neural and humoral control of endocrine function - Regulation of renin secretion (dogs)
- ** R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
- R01AM-12829-06 Regulation of insulin secretion (human, dogs)
- R01AM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
- R01AM-14702-04 0002 Mechanism of insulin antagonism - Infection (rats)
- R01AM-15843-03 Role of the renal nerves in sodium retaining states (dogs)
- R01AM-16420-01 Adrenergic pharmacology and thyroid metabolism (mammals)
- R01AM-16488-02 Autonomic neural control of intestinal contractility (rats, rabbits)
- P17AM-17047-01 0002 Diabetes-endocrinology research center - Physiological studies in the baboon
- R01AM-17632-01 Neurophysiological control of GI motility (guinea pigs, rats, rabbits)
- R01DA-00124-03 Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats)
- R01DE-02934-05 Variability in chemical constituents of oral fluids (human)
- P01ES-00454-06 0003 Biological effects of environmental agents - Carbon monoxide hypoxic hypoxia and drug response in vivo (rats, human)
- P01ES-00454-06 0015 Biological effects of environmental agents - Comparative effects of hypoxic hypoxia and CO hypoxia on the heart (dogs)
- ** P01ES-00454-06 0021 Biological effects of environmental agents - Neural reflexes in cardiovascular response to CO and hypoxic hypoxia (dogs)
- R01EY-00476-08 Regulation of the intraocular pressure (human, monkeys)
- ** R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- P01GM-10402-12 0025 Zoophysiology in Alaska - Sympathoadrenal responses in seasonal acclimatization to cold
- R01GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
- ** R01HD-06406-03 Regulation of uterine blood flow (monkeys)
- ** R01HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
- ** R01HD-07389-01 Regulation of sympathetic neuroblast differentiation
- R01HD-08477-04 Sympathetic responses of the uterine circulation (sheep)
- R01HL-01646-24 Lungs in head injury - Regional brain blood flow and Po₂ (mammals)
- ** R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- R01HL-02644-18 Venomotor responses to circulatory alterations (human, dogs, hamsters)
- R01HL-03290-17 Controls of cardiac and vascular smooth muscles
- R01HL-04741-15 Central nervous control of cardiovascular function (primates)
- R01HL-04801-14 Cardiac conduction and cardiac contraction (dogs)
- R01HL-05883-14 Reflex control of resistance and capacitance vessels
- ** P01HL-06285-14 0183 Cardiovascular-respiratory physiology and biochemistry - Neural control of norepinephrine secretion by the adrenal medulla (dogs)
- ** P01HL-06285-14 0184 Cardiovascular-respiratory physiology and biochemistry - Regulation of renin secretion (dogs)
- ** P01HL-06285-14 0185 Cardiovascular-respiratory physiology and biochemistry - Catecholamine receptors (rabbits)
- P01HL-06664-13 0027 Cardiopulmonary function in remediable vascular disease - Factors controlling pulmonary perfusion in the reimplanted lung (dogs)
- ** P01HL-06835-13 0007 Cardiovascular disease - Mechanisms of experimental renal hypertension
- R01HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
- P01HL-08203-12 0002 Renal homotransplantation in man - Cardiac transplantation (human, dogs)
- ** R01HL-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- R01HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
- R01HL-08559-11 Myocardial performance and metabolism in the newborn (sheep)
- P01HL-08682-11 0008 Regulation of the cardiovascular system - Spinal regulation of vasomotor and sudomotor outflows (human, dogs, cats)
- P01HL-08682-11 0011 Regulation of the cardiovascular system - Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits)
- ** P01HL-08805-10 0005 Cardiovascular and pulmonary performance - Autonomic nervous control of the pulmonary circulation (dogs)
- P01HL-08805-10 0020 Cardiovascular and pulmonary performance - Ventilatory response to hypoxia with reflex control of circulation (human)
- P01HL-08805-10 0022 Cardiovascular and pulmonary performance - Relationships between cerebral blood flow and regulation of ventilation in goats
- ** R01HL-09332-09 Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs)
- P01HL-10342-09 0021 Cardiovascular, pulmonary, and behavioral studies - Regulation of systemic, pulmonary, and coronary circulation (dogs)
- P01HL-10539-09 0023 Pathophysiology of circulation - Meditatorial states and their application to disease states (human)
- ** P01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- R01HL-12647-05 0001 Norepinephrine in vascular tissue - Inactivation of norepinephrine in vascular tissue (rabbits)
- R01HL-12703-05 Vascular control mechanisms in skeletal muscle (dogs, cats)
- ** R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- R01HL-12827-05 Regulation of sodium excretion (dogs, rats)
- ** R01HL-13187-05 0007 Central neural control of cardiovascular function - Central sympathetic nervous inhibition (cats)
- R01HL-13187-05 0009 Central neural control of cardiovascular function - Brain stem sympathetic and cardiac vagal reflex pathways (cats)
- P01HL-13330-05 0048 Mechanical circulatory support - Cardiac sympathetic involvement in myocardial infarction
- P01HL-13330-05 0049 Mechanical circulatory support - Neural equivalents of angina pectoris
- P01HL-13330-05 0050 Mechanical circulatory support - Renal sympathetic flow
- R01HL-13427-04 Neural control of blood volume (dogs)
- ** P01HL-13480-04 0018 Cardiac electrophysiology - Cardiac sympathetic nerve activity (rabbits)
- ** R01HL-13607-04 Role of catecholamines in hypertension (human)
- R01HL-14117-03 Mechanism of heart failure (Syrian hamsters)
- P17HL-14150-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (monkeys)
- ** P17HL-14159-04 0018 Specialized center of research in hypertension - Sympathetic nervous system in development of hypertension (rats)
- P17HL-14104-04 0024 Arteriosclerosis research center - Core laboratories of physiology (monkeys)
- R01HL-14295-03 Experimental renal and neurogenic hypertension (human, dogs)
- R01HL-14329-03 Circulation in adipose tissue (dogs)
- ** P01HL-14388-03 0004 Regulation of the circulation in pathological states - Sympathetic innervation to vascular smooth muscle in hypertension (animal)
- ** P01HL-14388-03 0008 Regulation of the circulation in pathological states - Sympathetic nervous system in development of hypertension (rats)
- ** P01HL-14388-03 0009 Regulation of the circulation in pathological states - Prostaglandins, adrenergic transmission, arterial pressure regulation (dogs)
- P01HL-14388-03 0010 Regulation of the circulation in pathological states - Hypertension produced by central administration of angiotensin (dogs)
- P01HL-14388-03 0011 Regulation of the circulation in pathological states - Effects of dietary sodium on blood pressure and vascular reactivity in man

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01HL-14388-03 0012** Regulation of the circulation in pathological states - Role of active reflex vasodilation in hypertension in man
- ** P01HL-14388-03 0013** Regulation of the circulation in pathological states - Angiotensin and sympathetic stimulation in man
- ** P01HL-14388-03 0017** Regulation of the circulation in pathological states - Neurogenic vasoconstriction in heart failure (dogs)
- P01HL-14388-03 0028** Regulation of the circulation in pathological states - Vasoconstrictor responses of collateral vessels in man
- P01HL-14388-03 0035** Regulation of the circulation in pathological states - Heart response to stimuli in infarction and ventricular failure (animals)
- P01HL-14388-03 0036** Regulation of the circulation in pathological states - Physical training and the coronary circulation (dogs)
- ** R01HL-14560-03** Hypertension produced by sympathetic dysfunction (human, rats)
- ** R01HL-14588-03** Sympathetic nervous system in renal hypertension (rats)
- R01HL-14969-01** Post-traumatic pulmonary insufficiency (dogs)
- R01HL-15004-02** Baroreceptor regulation in cardiovascular disease (dogs)
- R01HL-15011-02** Altered adrenergic function in essential hypertension (human, rats)
- ** P17HL-15061-03 0005** Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- ** R01HL-15210-02** Sympathetic nervous system influences on atherosclerosis (rabbits)
- R01HL-15357-02** Etiologic mechanisms of renal hypertension (dogs)
- R01HL-15392-02** Sympathomimetic and circulations of anesthetics (mammals)
- R01HL-15416-02** Cardiovascular control in normal and disease states (dogs)
- R01HL-15580-02** Humoral control of pulmonary and systemic circulation (dogs)
- R01HL-15758-02** Catecholamine release in the heart (dogs)
- R01HL-15802-01** Digitalis-Mechanism of cardiac sympathetic effects (cats)
- R01HL-15995-02** Developmental aspects of autonomic receptor function (chick embryo)
- R01HL-16022-01** Determinants of the ventilatory response to hypoxia (goats, cats)
- R01HL-16148-01** Neural control of renal function (dogs)
- R01HL-16239-01** Carotid body control of ventilation (cats)
- R01HL-16657-01** Innervation of coronary arteries and heart (cats, Aplysia)
- P01HL-16910-01 0004** Regulation of the peripheral circulation - Circulation to bone (dogs)
- P01HL-16910-01 0005** Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
- ** R23HL-17186-01** Catecholamines in neurogenic pulmonary edema (dog)
- R23HL-17200-01** Control of hypoxic pulmonary vasoconstriction (dogs)
- R23HL-17226-01** Autonomic control of lung mucociliary transport (dogs)
- R01MH-07995-11 0001** Heart rate conditioning - Hypertensives exposed to stress reaction time tasks (human)
- ** R01MH-07995-11 0006** Heart rate conditioning - Sympathetic influences on heart rate during stress (human)
- R01MH-21413-03** Enzyme induction and transport in adrenergic nerves (human, animals)
- R01MH-24604-01** Toxicity of psychotropic drugs on aminergic neurons
- R01NS-00847-19** Mechanism of function of higher integrative center (cats, dogs)
- ** R01NS-03777-11** Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- R01NS-03970-12** Neural basis of respiratory and vasomotor activity (cats)
- R01NS-07755-06** Plasticity of the transected human spinal cord
- R01NS-07927-07** Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- ** R01NS-09174-09** Role of catecholamines in drug toxicity (rats, mice)
- P01NS-09649-04 0008** Research in parkinsonism - Regeneration in central aminergic systems (monkeys, cats, rats)
- R01NS-10019-03** Nerve triphosphoinositol function (cats)
- ** R01NS-10195-15** Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- R01NS-10206-02** Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
- ** R01NS-10260-02** Role of cholinergic agents in adrenergic transmission (animals)
- ** R01NS-10393-03** General anesthetics and sympathetic ganglia
- R01NS-11027-01** Cellular interaction in neuronal tissue culture
- ** R01NS-11061-01** Regulation of adrenergic metabolism (rats)
- R01NS-11505-01** Synaptic transmission in autonomic ganglion cells (salamanders)
- R01NS-11576-01** Development of sympathetic junctions in culture (rats)
- P01NS-11631-01 0058** Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline
- ** P01NS-11631-01 0060** Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline in sympathetically innervated tissues (rats)
- R01NS-12031-01** Functional organization of CNS vasomotor system (cats)
- ** R02NU-00390-03** Sympathetic responses of the uterine circulation (sheep, guinea pigs)
- MO1RR-00037-14 0085** General clinical research center - Control of glucagon secretion in man
- MO1RR-00071-11 0025** General clinical research center - Biochemistry of catecholamines in emotional disorders (human)
- MO1RR-00080-12 0071** General clinical research center - Evaluation of beta-adrenergic theory of bronchial asthma (human)
- ** MO1RR-00065-01 0012** General clinical research center - Effect of sympathetic nervous system on sodium secretion during starvation
- NERVOUS SYSTEM CENTRAL**
- SEE ALSO BRAIN
- SEE ALSO NERVOUS DISORDERS CENTRAL (GENERAL)
- ** P01AA-00212-06 0004** Oklahoma center for alcohol related studies - Effects of ethanol on behavior and the CNS (rats, cats)
- R01AA-00226-07** Effects of alcohol on biogenic amine metabolism (rodents, human)
- ** R01AA-00322-01** Ethanol-intracellular effects on in vitro (CNS (mice))
- R01AA-11490-01** Polycondensed alicyclics and their antiviral role
- R01AM-10866-08** Regulation of substrates in diabetes and obesity (baboons)
- R01AM-12861-06** Structure and activity of growth hormone (shark, cattle)
- R01AM-14952-04** Hemodynamic control of adrenal corticoid secretion (cats)
- R01AM-16305-02** Control of esophageal peristalsis (opossum)
- P01AM-16716-01 0006** Pathophysiological bases of muscle diseases - Sensory input and motor activity (cats)
- R01AM-16747-01** Blood brain barrier and carbohydrate metabolism (dogs, rabbits)
- P17AM-17026-01 0001** Vanderbilt University Diabetes-Endocrinology Center - Autonomic control over metabolic homeostasis (rats)
- ** P17AM-17046-01 0006** Diabetes endocrinology center - CNS effects on insulin and glucagon secretion (human)
- R01AM-17113-01** 5-Oxoproline, aminoacidurias and mental retardation (human, rats, mice, dogs)
- ** R01AM-17347-02** Insulin sensitive glucoregulator in the CNS (rats, dogs, mice)
- R01AM-17668-01** Factors controlling and modifying insulin secretion (rats, hamsters)
- ** R01AM-22201-04** Pathophysiology of dialysis disequilibrium syndrome (dogs)
- P02CA-05826-13 0072** Clinical cancer research center - Methotrexate in central nervous system cancer (human)
- ** P02CA-05834-13 0047** Cancer clinical research center - Central nervous system neoplasms (human)
- ** R01CA-11982-04** Influence of central nervous system on oncogenesis (rats)
- P01CA-12376-03 0014** Environmental carcinogenesis - Mammary receptor sites (rats)
- R01CA-13050-03** Combination therapy of childhood leukemia
- P02CA-13053-03 0071** Clinical cancer radiation therapy research center - Participation in Southeastern cancer study group
- R10CA-13057-03** Acute leukemia cooperative group B
- P02CA-13148-03 0013** Pilot cancer center - Treatment of childhood leukemia and lymphosarcoma
- ** P02CA-13525-03 0011** Program for treatment of malignant brain tumors - Immunology of central nervous system tumors (human)
- R10CA-13809-02** Children's cancer study group A
- P02CA-13943-02 0039** Clinical pharmacology immunology cancer research center - Azarabine metabolism and CNS toxicity in man
- R01CA-15203-01** Brain tumor therapy-Radiation, DNA damage and repair (rats)
- ** R01CM-23719-03** Synthesis of CNS-antitumor agents
- R01DA-00367-01** Morphine-CNS sites of analgesia and addiction (rats)
- R01DA-00564-02** Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
- R01DA-00991-01** Chronic cardiovascular effects of marihuana (dogs)
- NO1DA-40107-00** Scientific information re legal decisions for control of drugs (human, animals)
- R01DE-02152-09 0013** Dental physiology and biophysics - Response characteristics of pulp activated cortical cells (monkeys)
- R01DE-02152-09 0019** Dental physiology and biophysics - Neurophysiology of taste and chemosensation (mammals, fish)
- P10ES-00159-09 0018** Center for study of the human environment - Effects of lead and mercury on spinal reflex transmission (cats)
- P10ES-00159-09 0020** Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
- P10ES-00159-09 0021** Center for study of the human environment - Toxic metals and specific brain structures (rabbits)
- ** R01ES-00620-02** Toxicity of organic mercury for the fetus and newborn (human, monkeys)
- P01EY-00396-07 0014** Basic ophthalmic research program - Biotransport of prostaglandins (animals)
- R01EY-01370-01** Brainstem pathways for adduction of the cat eye
- ** R01EY-01390-01** Serial section analysis of developing mouse retina
- R01FD-00646-05** Quantitative effects of EM energy on human tissues (and cats)
- R01FD-00649-03** Effects of microwaves on CNS liver, and heart (hamsters)
- P01GM-09069-12 0090** Research in anesthesiology - Turnover of biogenic amines in central nervous system (human)
- ** P01GM-09069-12 0123** Research in anesthesiology - Central nervous system toxicity of hyperbaric oxygen
- P01GM-12527-10 0001** Anesthetic and related drugs - Uptake, distribution and metabolism (human, animals)
- ** P01GM-15253-08 0013** Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
- M P01GM-15430-07** Research in anesthesia
- P01GM-15430-07 0003** Research in anesthesia - Anesthetic effects (human)
- P11GM-15477-08 0011** Drug metabolism and biochemical pharmacology - Diphenhydantoin in the human
- ** P11GM-15477-08 0012** Drug metabolism and biochemical pharmacology - Drug transfer into the central nervous system and across the placenta (rats)
- P11GM-15559-07 0033** Clinical pharmacology - Drugs at the cellular and sub-cellular level (rats)
- P01GM-15571-06 0070** Anesthesia research-Program project - Interaction of anesthetics with drugs that alter CNS monoamines (human, dogs)
- P11GM-16216-06 0048** Toxicological problems of drugs (placental transfer, lactation) - Clinical use of drugs in the fetal and neonatal period (rats, guinea pigs)
- P01GM-18715-02 0002** Biochemical effects and chemical reactions of drugs - Effects of drugs and metabolic disturbances on pH and brain ions (rats)
- R01GM-19631-11** Reaction kinetics at amphipathic surfaces
- R01HD-01253-16** Cellular and molecular controls in neurodifferentiation (mice)
- ** P01HD-01799-09 0011** Mental retardation research center - Development of movement control systems in primates
- ** P01HD-02274-08 0002** Mental retardation and child development - Neuroembryology (human)
- P01HD-02274-08 0034** Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)
- P01HD-02274-08 0119** Mental retardation and child development - Effect of stimulation on premature infants
- ** P01HD-03015-08 0026** Program for developmental biology - Maternal stress and fetal lung maturity (human)
- ** P01HD-03352-07 0009** Wisconsin center on mental retardation - Embryo-uterine interrelationship (rats, monkeys)
- R01HD-04064-06** Role of steroid sulfates in gonadal tissue (human, sheep, rats)
- ** R01HD-04364-12** A developmental study of the stress response (rats)
- R01HD-06009-03** Passive narcotic addiction in the human newborn
- P01HD-06276-03 0002** Mental retardation research program - The hippocampal-forniceal system as model of CNS axonal transport (cats)
- P01HD-06276-03 0067** Mental retardation research program - Retrograde intraaxonal transport and organ culture (rats, primates)
- P01HD-06276-03 0070** Mental retardation research program - Immunocytological identification of brain cell surface components (mice)
- P01HD-06576-01 0007** Molecular aspects of mental retardation - Sterol esters in CNS in relation to myelination-Ketone bodies in metabolism
- R01HD-07340-01** Membranogenesis in cretinism and hyperthyroidism
- R01HD-08362-01** Environmental stimulation, hormones and CNS development (rats)
- NO1HD-42817-00** Analysis of major cause of infant death syndrome (human)
- R01HL-01803-20 0003** Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins of muscle and muscle-like structures (human, rabbits, goats)
- ** R01HL-03429-15** Central nervous system and coronary heart disease (human)

(contd)

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- PO1HL-05435-14 0024 Cardiovascular research and training program - Neurophysiology (pigs, monkeys, human)
- RO1HL-06736-14 Biogenic-mechanical factors in microcirculation (rats, dogs)
- ** PO1HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
- ** PO1HL-08899-10 0011 Oxygenation and oxygen effects in man - Calcium flux into central nervous system and CO₂ and nitrogen pressures (cats)
- PO1HL-08899-10 0026 Oxygenation and oxygen effects in man - Physiological, toxic effects of oxygen on central nervous system (human, animals)
- ** PO1HL-11678-07 0017 Cardiovascular dynamics and their control - Overall control of circulation
- PO1HL-12373-06 0011 Cardiopulmonary physiology and pathophysiology - Coronary energetics in altered physiologic states (dogs)
- RO1HL-12990-05 Control of ADH secretion and metabolism (dogs, rats, rabbits)
- PO1HL-13330-05 0043 Mechanical circulatory support - Total cardiac prosthesis implantation
- RO1HL-13675-04 Neuropharmacology of the heart (cats)
- RO1HL-13841-13 Respiration during altitude acclimatization (goats, human)
- ** P17HL-14251-04 0003 Pathophysiology and management of respiratory insufficiency - Hypoxia, hypercapnia and CNS-induced cardiac arrhythmias (cats)
- ** RO1HL-14774-03 Role of cerebral circulation and CNS in shock (dogs)
- RO1HL-14904-01 Circulatory regulation during static muscular exercise (dogs)
- ** RO1HL-15307-02 Central nervous control of renin and blood pressure
- RO1HL-15311-02 Development of Hering-Breuer reflexes (opossum)
- RO1HL-15802-01 Digitalis-Mechanism of cardiac sympathetic effects (cats)
- ** RO1HL-16244-01 Role of the central nervous system in septic shock (dogs)
- ** RO1HL-16315-01 Analysis of interaction between CNS vasomotor systems (cats, monkeys)
- RO1HL-16376-01 Coronary circulation control (dogs)
- RO1MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- RO1MH-04582-13 Synthesis of compounds related to lysargic acid (rats, mice, guinea pigs)
- RO1MH-11191-09 Brain amines and behavior (mice)
- RO1MH-11468-09 0021 Psychopharmacology research center - Hydroxylated metabolites of amphetamine in the CNS (rats)
- RO1MH-11468-09 0022 Psychopharmacology research center - Stored vs newly synthesized catecholamines in amphetamine CNS stimulation (rats)
- RO1MH-11468-09 0027 Psychopharmacology research center - Long term effects of P-chloroamphetamine and P-chlorophenylalanine (rats)
- RO1MH-11468-09 0032 Psychopharmacology research center - Analysis of the level and turnover of acetylcholine (rats)
- RO1MH-12007-08 0002 Psychoactive phenolic amine analysis - Acetylcholine (rats)
- RO1MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- RO1MH-14092-07 Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle)
- PO1MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
- RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- ** RO1MH-20620-03 Psychopharmacology of brain norepinephrine (rats)
- RO1MH-20686-03 Psychotropic agents and aminergic receptors
- ** RO1MH-21114-03 Circadian rhythms and the central nervous system (crayfish, insects, hamsters)
- RO1MH-21978-03 Pharmacology of methylated norepinephrine derivatives (rats)
- RO1MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
- RO1MH-22438-02 The GABA system in schizophrenia (Drosophila, mice, human)
- RO1MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- RO1MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
- PO1MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
- RO1MH-24020-02 Quantitative EEG studies in psychopharmacology (human)
- RO1MH-24260-01 Developmental psychopharmacology - Inhibitory processes
- RO1MH-24284-01 Conformations of psychoactive substances
- RO3MH-25059-01 Developmental neurochemical effects of amphetamine (rats)
- RO1MH-25505-01 Drugs, catechol amines and Krebs cycle interaction
- R13MH-25572-01 Conference on neurobiology of CNS-hormone interactions
- ** RO1MH-26237-01 0001 Biogenic amine and CNS phospholipid metabolism - CNS phospholipids and biogenic amines, hormones and psychotropic drugs (rats)
- ** RO1MH-26237-01 0002 Biogenic amine and CNS phospholipid metabolism - Biogenic amine subcellular and molecular effects on CNS phospholipid metabolism
- ** RO1MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)
- RO1MS-01310-18 Psychophysical characteristics of hearing disorders (human)
- RO1MS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ** RO1MS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- ** RO1MS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- PO1MS-03356-14 0009 Neurological clinical research center - Developmental study of CNS myelin (mice)
- ** PO1MS-03356-14 0032 Neurological clinical research center - Other studies with CNS myelin (rats)
- ** RO1MS-03641-08 Comparative studies on nervous system (mammals)
- ** RO1MS-03659-13 Fine structure of the nervous system (rats, monkeys)
- ** RO1MS-03743-13 Amine acids and related metabolites in the CNS (toads, rats, chicks)
- ** RO1MS-03756-12 Histogenesis in normal and abnormal brain (mice)
- RO1MS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- RO1MS-03989-12 Comparative study of nerve ultrastructure (animals)
- ** PO1MS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
- PO1MS-04553-10 0007 Neuropharmacology and neurochemistry program research - Endocrine-central nervous system interrelations (rats)
- RO1MS-04555-11 Influence of thyroxin upon neurons (frogs, rats)
- ** RO1MS-04655-12 Single unit activity and thermoregulation (rabbits)
- ** RO1MS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
- RO1MS-05606-02 Interactions between neurons (cats, crayfish, rabbits)
- ** RO1MS-05721-02 Neurogenesis and development of behavior (chick embryos)
- RO1MS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
- ** RO1MS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
- ** RO1MS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
- RO1MS-06478-09 Transduction and encoding in mechanoreceptors (cockroach)
- RO1MS-06545-09 Biophysical cytology of cultured neural tissues (human, mice, chick embryo)
- ** RO1MS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- ** RO1MS-06624-09 CNS control of fluid and electrolyte metabolism (cats)
- ** RO1MS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
- ** PO1MS-06828-08 0029 Neurophysiology-Sensory systems and cerebral cortex - Central nervous mechanism in pain (monkeys)
- ** RO1MS-06925-09 The fine structure of the nervous system (monkeys)
- RO1MS-07154-07 Calcium actions on central nervous system neurons (animals)
- PO1MS-07226-06 0008 Neurosensory interdisciplinary research program - Remote microelectrode positioning and telemetering system (monkeys)
- RO1MS-07261-08 Spinal somesthetic pathways (monkeys)
- ** RO1MS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)
- ** PO1MS-07376-07 0015 Univ Chicago head injury center - Brain and spinal cord distribution of dimethyl sulfoxide
- ** PO1MS-07376-07 0016 Univ Chicago head injury center - Brain and spinal cord specimens
- RO1MS-07495-07 Comparative cytology of nerve and muscle tissues (animals)
- ** PO1MS-07512-06 0027 Neuronal development, interaction and organization - Influence of thyroid hormones on CNS development (frogs)
- ** RO1MS-07730-06 Physiology of CNS afferent pathways (cats)
- M RO1MS-07938-06 Peripheral and central nervous system
- PO1MS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
- ** RO1MS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
- RO1MS-08059-07 Cyclic phosphodiesterase of central nervous system (human, ferret)
- RO1MS-08391-06 Regulation of protein synthesis in neural development (mice)
- RO1MS-08440-06 Metabolic basis of neural function (animals)
- ** RO1MS-08453-06 Pathways subserving proprioception (rats, amphibians)
- RO1MS-08597-06 Synaptic membrane structure and function (rats)
- RO1MS-08604-06 Oral pharyngeal reflexes (cats, human)
- RO1MS-08610-04 Neural activity and behavior (Barnacles)
- ** RO1MS-08626-06 Development of central nervous tissue in culture (mice)
- RO1MS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
- PO1MS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- ** RO1MS-08869-04 Physiology of the central nervous system (limulus)
- RO1MS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
- RO1MS-08949-05 Cell proliferation in injured nervous tissue (mice)
- RO1MS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinoblasts (human, rats, mice, rabbits)
- RO1MS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- RO1MS-09074-05 Generation of neuronal output patterns (crickets)
- RO1MS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
- RO1MS-09343-04 Eye-hand coordination (monkeys)
- RO1MS-09363-04 Fine structural lining of subarachnoid space (rats)
- ** RO1MS-09404-04 Central control of sensory interneurons (insects, mollusks)
- RO1MS-09614-03 Regeneration in nervous system (crustaceans)
- ** RO1MS-09661-05 Organization of the nervous system (lamprey)
- RO1MS-00677-04 Motoneuron repetitive firing mechanisms (cats)
- RO1MS-09696-04 Neural control of discrete behavioral processes (snails)
- RO1MS-09835-03 Neuropharmacologic studies in experimental epilepsy (cats, rats, mice, monkeys)
- RO1MS-09871-03 Anesthesia and the nervous system (cats)
- RO1MS-09957-03 Postural regulation of loaded crayfish abdomen
- ** RO1MS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
- ** RO1MS-10118-03 Biochemistry of CNS development of thyroid insufficiency (rats)
- ** RO1MS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
- RO1MS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- ** PO1MS-10299-03 0008 Biophysical and biochemical studies of cellular membranes - Octopus central nervous system
- ** RO1MS-10367-03 CNS regulation of body temperature in heterotherms (birds)
- ** RO1MS-10371-02 Degenerative and regenerative changes in CNS (cats)
- ** RO1MS-10384-03 Drug actions on CNS metabolism (cats)
- RO1MS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)
- RO1MS-10559-02 Myelin sheath structure (mice, rats, chicks)
- RO1MS-10597-02 Responses of thermosensitive cells to biogenic amines (rats, ground squirrels)
- RO1MS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
- ** RO1MS-10681-02 Structural neuroanatomy of myelin (human, fish, earthworm, shrimp, mice)
- ** RO1MS-10821-02 Chemistry and metabolism of CNS myelin-free axons (cattle, rat)
- RO1MS-10918-01 Inhibition of catechol-O-methyltransferase
- PO1MS-10920-02 0005 Development and regeneration in the nervous system - Development of neuronal cell body (rats, dogs)
- ** PO1MS-10920-02 0011 Development and regeneration in the nervous system - Fetal and mature CNS cells and their interaction with viruses (human, mice)
- ** RO1MS-10922-01 Central mechanisms of visceral and somatic pain (cats)
- ** PO1MS-10939-02 0007 Cerebral blood flow and metabolism in stroke and shock - Cellular hypoxia in shock and stroke (seals, rats)
- ** RO1MS-10968-01 The role of cyclic GMP in nervous tissue (animals)
- RO1MS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
- RO1MS-11087-01 Purified choline acetyltransferase (guinea pig)
- ** RO1MS-11129-02 Morphology of chronic viral infections of the brain (human, monkeys, hamsters)
- RO1MS-11145-01 Neurogenesis-Cytoarchitecture and growth of axons (rats, chick embryos)
- ** RO1MS-11175-02 ACH and CNS thermoregulation processes (monkeys)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1NS-11231-02 Immunological markers in developmental brain disease (mice)
- RO1NS-11264-01 Amino acids as neurotransmitters (cats)
- RO1NS-11268-01 Mechanism of spinal shock (cats)
- RO1NS-11286-04 Immunosuppression and experimental viral infection (monkeys, rodents)
- RO1NS-11310-01 Neurotransmitter biosynthesis (cattle)
- RO1NS-11313-01 Neuronal interaction and electrogenesis (fish)
- RO1NS-11343-01 Hormonal action on central nervous system (rats, frogs)
- PO1NS-11417-01 0004 Core program project in communicative disorders - Determination of audiological aspects of presbycusis
- PO1NS-11418-01 0005 Studies in demyelinating diseases - Viral culture of lymph node and CNS tissue (human)
- RO1NS-11425-01 Development in vitro and mutant CNS (mice)
- RO1NS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
- RO1NS-11507-01 Central nervous regeneration-Hormonal influences (cats, rats)
- RO1NS-11544-01 Integration and regeneration in the nervous system (leeches)
- PO1NS-11631-01 0066 Clinical center for research on Parkinson's and allied diseases - Metabolism of polyamines in the CNS (human)
- PO1NS-11631-01 0069 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine on amine acid metabolism in rat brain and spinal cord
- RO1NS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
- RO1NS-11650-01 Morphology of collateral nerve sprouting (cats)
- RO1NS-11670-01 Developmental regulation of brain steroid synthesis
- RO1NS-11699-01 Long-term changes in neurons (guinea pig)
- RO1NS-11704-01 Thermoregulatory and osmoregulatory responses (fish, reptiles, birds, dogs)
- RO1NS-11715-01 Conference-Regeneration in central nervous system
- RO1NS-11716-01 The physiological role of piperidine in CNS (snails)
- RO1NS-11919-01 Axonal sprouting and functional recovery (monkeys)
- RO1NS-12031-01 Functional organization of CNS vasomotor system (cats)
- RO1NS-12033-01 Behavior and physiological thermoregulation (rats)
- RO1NS-12041-01 Biogenic aldehydes-A role in CNS function (mice)
- RO1NS-12049-01 Workshops on growth and regeneration in the CNS
- RO1NS-12051-01 Transport of levodopa derivatives (cats)
- RO1NS-12113-01 Pentose phosphate pathway in neural tissue (rats)
- NO1NS-32313-02 Procedures for electrical stimulation of the nervous system
- RO1NS-70082-15 Slow virus infections of the central nervous system in man
- NO1NS-80993-10 Supporting services on viral research project (monkeys)
- RO1OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
- PO7RR-00003-13 0031 Medical data processing research - Relationship of anatomy and function in CNS
- MO1RR-00036-14 0071 General clinical research center - Effects of chronic ketosis on CNS function (human)
- MO1RR-00071-11 0010 General clinical research center - Central nervous system-Pituitary-adrenal interrelations (human)
- PO6RR-00165-14 Support of the Yerkes Regional Primate Research Center
- PO6RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- MO1RR-00425-06 0080 General clinical research center - Effect of estradiol and progesterone on basal body and CNS temperatures (human)
- MO1RR-00628-04 0047 General clinical research center for children - CNS effects and rate of intestinal absorption of phenylalanine
- MO1RR-00645-03 0053 Clinical research center - Effect of centrally-acting drugs on turnover rate of biogenic amines (human)
- NERVOUS SYSTEM CENTRAL, CEREBROSPINAL FLUID**
- SEE ALSO CEREBROVASCULAR SYSTEM, BLOOD-CEREBROSPINAL FLUID BARRIER
- SEE ALSO NERVOUS DISORDERS CENTRAL, HYPOGLYCORRHACHIA
- SEE ALSO NEUROSURGERY, CEREBROSPINAL FLUID SHUNTS
- RO1AA-00183-03 Influence of acute alcoholism on brain injury (dogs, monkeys)
- PO1AJ-07007-09 0011 Immunopathologic studies - Complement enzyme studies (human, mice)
- RO1AJ-12123-01 Epidemiologic relation to multiple sclerosis to virus
- RO1AM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)
- PO2AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- RO1AM-13129-07 Pituitary adipokinetic substances (mammals, human)
- RO1AM-16739-02 Pathogenesis of hepatic coma
- RO1AM-17112-02 Neural control of insulin secretion (rats, dogs)
- NO1AM-22201-04 Pathophysiology of dialysis disequilibrium syndrome (dogs)
- PO2CA-06516-12 0008 Cancer center support grant-Comprehensive - Hematologic malignancies
- PO2CA-07357-10 0020 Special children's cancer center program - Natural history of acute leukemia
- PO1CA-08748-09 6212 Research program of Sloan-Kettering Institute - Proliferation of leukemic cells in cerebrospinal fluid of man
- PO2CA-13525-03 0009 Program for treatment of malignant brain tumors - Sterol analysis of brain tumors (rats)
- PO2CA-13525-03 0010 Program for treatment of malignant brain tumors - Aldolase C in brain tumors (human)
- PO2CA-13696-02 0031 Clinical cancer research center - Tissue banks for tumors of the nervous system (human)
- PO2CA-13696-02 0032 Clinical cancer research center - Virologic and immunologic studies of human brain tumors
- PO2CA-13696-02 0033 Clinical cancer research center - Polyamine metabolism in relation to CNS tumor growth and detection (human)
- PO2CA-15145-01 0032 Cancer center support grant - The role of tumor angiogenesis factor(s) in brain neoplasms (human, animals)
- RO1CA-15980-01 Treatment of malignant disease of brain (monkeys)
- NO1CM-43705-00 Intrathecal toxicity of antineoplastic agents (Rhesus monkeys)
- RO1DA-01095-01 Kinetics of heroin, morphine and biogenic amines
- PO1EY-00227-13 0013 The posterior segment of the eye - Retinal detachment and related conditions (human)
- PO1GM-09069-12 0079 Research in anesthesiology - Probenecid on amine metabolites in cerebrospinal fluid (dogs)
- P11GM-14270-08 0029 Human drug metabolism and toxicology - Probenecid (dogs)
- PO1GM-14892-07 0011 The traumatized patient - Spinal fluid amine acids in brain damage diagnosis (human)
- P11GM-15477-08 0021 Drug metabolism and biochemical pharmacology - Transport of morphine into and out of the cerebrospinal fluid (rabbits)
- PO1GM-15571-06 0053 Anesthesia research-Program project - Effect of chronic metabolic alkalosis and acidosis on ventilation and CSF HCO₃
- PO1GM-15571-06 0057 Anesthesia research-Program project - Role of anaerobic metabolism in normal brain ECF pH regulation
- PO1GM-15571-06 0059 Anesthesia research-Program project - Brain NAD⁺ supply limitation of anaerobic lactate metabolism
- PO1GM-15571-06 0061 Anesthesia research-Program project - Anesthetic potency-Hyperthermia (dogs)
- PO1GM-16934-06 0016 Sulfonamides and carbonic anhydrase-Basis for therapy - Rate of transport of NaCl and HCO₃ from plasma to cerebrospinal fluid (cats)
- PO1HD-05894-04 0009 Genetic childhood diseases and aging - Significance of alpha-1 glycoprotein in cerebral tumors of infancy
- PO1HD-06276-03 0003 Mental retardation research program - Kinetics of Na 24 turnover in normal and hydrocephalic dogs
- PO1HD-06276-03 0061 Mental retardation research program - CSF during meningitis (rabbits, rats)
- PO1HD-06276-03 0076 Mental retardation research program - Release of norepinephrine from cat brain in vivo, with infusion of potassium
- PO1HD-06276-03 0077 Mental retardation research program - Absorption of cerebrospinal fluid in Kaolin hydrocephalus (cats)
- PO1HD-06276-03 0084 Mental retardation research program - Examination of human tissues
- RO1HD-06843-01 Cerebral phenylalanine metabolism in phenylketonuria (rats, human)
- RO1HD-07916-01 Neuroendocrine correlates of gonadotropin secretion (rats)
- PO1HL-06664-13 0029 Cardiopulmonary function in remediable vascular disease - Central chemical control of respiration (dogs)
- PO1HL-07896-13 0018 Environmental biomedical research program - Studies of senile dementia
- PO1HL-07896-13 0023 Environmental biomedical research program - Effects of hydrostatic pressure on ventilation (dogs)
- RO1HL-12231-06 Intracellular response to acid-base changes (dogs, rats)
- RO1HL-12564-05 Control of respiration and blood gases (human)
- RO1HL-13841-13 Respiration during altitude acclimatization (goats, human)
- RO1HL-15365-02 Treatment of post surgical vasoconstriction (dogs, cats, monkeys)
- RO1HL-15810-01 Electrolyte physiology and respiratory acid-base (dogs)
- R10NH-04669-14 0008 Controlled drug evaluation - Amines and affective state (human)
- RO1NH-12007-08 0002 Psychoactive phenolic amine analysis - Acetylcholine (rats)
- RO1NH-12007-08 0004 Psychoactive phenolic amine analysis - Indole-acetic acids in CSF on depressed patients
- RO1NH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs
- PO1NH-16674-06 0026 A program of psychiatry-oriented biological research - Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys)
- PO1NH-16674-06 0030 A program of psychiatry-oriented biological research - Integrity of substantia nigra GABA neurons in Huntington's chorea (human)
- PO1NH-16674-06 0042 A program of psychiatry-oriented biological research - Histamine concentration in CSF of monkeys on phenothiazines
- RO1NH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
- PO1NH-23861-02 0006 Biogenic amines and behavior - Analytical mass fragmentography-Indole derivatives in CNS (rats)
- PO1NH-23861-02 0007 Biogenic amines and behavior - Assay of biogenic amines in brain (rats)
- PO1NH-23861-02 0028 Biogenic amines and behavior - Assay of indoleacetic acid (rats)
- PO1NH-23861-02 0029 Biogenic amines and behavior - Preparation of deuterium analog of MHPG (human)
- PO1NH-23861-02 0032 Biogenic amines and behavior - Cyclic AMP and behavior (mice)
- PO1NH-24393-02 0008 MHPG secretion, catecholamine metabolism, and depression - Determination of MHPG in CSF (human)
- PO1NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
- PO1NS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
- RO1NS-05024-10 Spinal fluid proteins and blood CSF barrier (cats)
- RO1NS-05096-11 0003 New amino acid disorders in cerebral disease - Hyperglycinemias (children)
- PO1NS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)
- RO1NS-06262-10 Immune basis of disease-Allergic encephalomyelitis (rats, rabbits, cats)
- RO1NS-07484-07 Humoral factors and brain metabolism in sleep (rats, gerbils)
- RO1NS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
- RO1NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
- PO1NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- RO1NS-08935-04 Photomyoclonic epilepsy (baboons)
- RO1NS-09198-04 Radiological studies of cerebrospinal fluid (human, dogs)
- PO1NS-09287-04 0009 Baylor center for cerebrovascular research - Neurotransmitters in pathogenesis of cerebral ischemia (human, monkeys, gerbils)
- PO1NS-09287-04 0016 Baylor center for cerebrovascular research - Blood and cerebrospinal fluid in acute subarachnoid hemorrhage (human)
- RO1NS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
- PO1NS-09645-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)
- RO1NS-09666-02 The secretion of the cerebrospinal fluid (frog)
- PO1NS-09704-04 0008 Developmental neurology - Distribution of materials in fluids of the nervous system (cats)
- PO1NS-09704-04 0034 Developmental neurology - Neutral amino acid uptake in brain and choroid plexus
- RO1NS-09948-03 Transport of materials by the choroid plexus (cats, rabbits)
- RO1NS-10478-02 Convulsive states and brain monoamine metabolism (cats)
- RO1NS-10590-02 Relationship of multiple sclerosis and vaccinia (human)
- RO1NS-10721-02 Immune function in EAE and multiple sclerosis (human, rats)
- RO1NS-10931-01 Brain glycolipids in MS and virus diseases (human, monkeys)
- PO1NS-10939-02 0001 Cerebral blood flow and metabolism in stroke and shock - Transient circulatory response to changes in arterial pCO₂ (human, monkeys, cats)
- RO1NS-10990-01 Blood brain barrier (cats, mice)
- RO1NS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
- RO1NS-11050-02 Functional significance of cerebrospinal fluid (hagfish, skate, sharks)
- PO1NS-11131-01 0017 Extrapyramidal and related behavioral disorders - Cerebrospinal fluid in treated parkinsonian patients
- PO1NS-11631-01 0061 Clinical center for research on Parkinson's and allied diseases - Dopamine in cerebrospinal fluid in Parkinson's disease (human)

(contd)

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**Oriented significantly to above subject.

†† Grant has subprojects describing specific research aspects.

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- ** PO1NS-11631-01 0062** Clinical center for research on Parkinson's and allied diseases - CSF amino acid levels in Parkinson's disease (human)
- PO1NS-11631-01 0066** Clinical center for research on Parkinson's and allied diseases - Metabolism of polyamines in the CNS (human)
- PO1NS-11642-01 0005** Basic and clinical neuroendocrinology - Ventricular system in neuroendocrine processes (cats, monkeys, rats, guinea pigs)
- PO1NS-11642-01 0006** Basic and clinical neuroendocrinology - Localization and secretion of LRF (mink, rats)
- PO1NS-11642-01 0009** Basic and clinical neuroendocrinology - Ultrastructural localization of neural hormones
- RO1NS-11696-01** Transfer of X-ray contrast media into the CSF (rabbits, dogs)
- RO1NS-11698-01** Multiple sclerosis (human)
- NO1NS-22329-02** No-reflow phenomenon (monkeys)
- NO1NS-32313-02** Procedures for electrical stimulation of the nervous system
- ** MO1RR-00036-14 0076** General clinical research center - Turnover rates of radiolabeled proteins in subdural effusions (human)
- MO1RR-00125-11 0231** General clinical research center - adult-child - Brain monoamine metabolism and neuropsychiatric disorders
- MO1RR-00287-08 0063** General clinical research center - CSF complement in nervous system diseases (human)
- R24RR-00612-05** Resource-related research-computer and chemistry
- ** P07RR-00679-02 0015** Biotechnology resource in electronprobe analysis - Immediate identification of bromine in cerebrospinal fluid of goats
- MO1RR-00749-02 0052** General clinical research center - Cerebrospinal fluid complement in multiple sclerosis (human)
- NERVOUS SYSTEM CENTRAL, CEREBROSPINAL FLUID FLOW**
- SEE ALSO BRAIN DISORDERS, HYDROCEPHALUS
- RO1GM-20227-01** CNS cellular response to contrast ventriculography (rhesus monkey)
- ** PO1NS-03356-14 0026** Neurological clinical research center - Relationship of CSF physiology to dementias (human)
- PO1NS-04553-10 0009** Neuropharmacology and neurochemistry program research - Maturation of the central nervous system
- RO1NS-09025-05** Pathogenesis of hydrocephalus mutants (human, mice)
- ** PO1NS-09704-04 0033** Developmental neurology - Cerebral solute transport and blood-brain barriers
- MO1RR-00128-10 0072** General clinical research center for children - CSF dynamics in hydrocephalus
- NERVOUS SYSTEM CENTRAL, CEREBROSPINAL FLUID PRESSURE**
- SEE ALSO NEUROPHYSIOLOGY, INTRACRANIAL PRESSURE
- ** PO1HD-06276-03 0053** Mental retardation research program - CSF dynamics in hydrocephalus (human)
- ** RO1HL-13453-04** Hemodynamic response to elevated CSF pressure (dogs)
- ** R23HL-17186-01** Catecholamines in neurogenic pulmonary edema (dog)
- RO1NS-02108-15** Hypo- and hypervitaminosis A (rats)
- PO1NS-07226-06 0011** Neurosensory interdisciplinary research program - Intracranial pressure monitor (monkey, cats)
- PO1NS-08803-04** Head injury clinical research center (human, dogs, rabbits, primates)
- ** RO1NS-11212-01** Pulse pressure in normal and hydrocephalic (cats)
- ** MO1RR-00036-14 0096** General clinical research center - CSF formation and absorption in varied clinical states (human)
- MO1RR-00128-10 0072** General clinical research center for children - CSF dynamics in hydrocephalus
- NERVOUS SYSTEM CENTRAL, EXTRAPYRAMIDAL TRACTS**
- SEE ALSO NERVOUS SYSTEM CENTRAL, SUBCORTICOSPINAL TRACTS
- PO1MH-15767-06** Neurological mechanisms underlying behavior (human, animals)
- RO3MH-25319-01** A physiological model of childhood hyperkinesia (rats)
- ** RO1NS-06801-08** Biogenic amines and extrapyramidal disorders (human, animals)
- RO1NS-06948-09** Pallidal inhibition of brainstem activity (cats)
- ** RO1NS-07410-07** A comparative study of the extrapyramidal system (opossum)
- ** RO1NS-09447-04** Organization and function of CNS structures in motor control (monkeys, cats)
- ** RO1NS-10183-03** Cortical neuronal mechanisms of motor control (primates)
- NERVOUS SYSTEM CENTRAL, MENINGES**
- P02CA-06516-12 0008** Cancer center support grant - Comprehensive - Hematologic malignancies
- P02CA-11265-05 0035** General clinical cancer research center - D.D.M.P. for meningeal leukemia
- RO1HL-08929-10 0003** Surgical vascular disorders - Immunohistochemistry of fibrinolytic activators (human, dogs)
- ** PO1NS-07512-06 0032** Neuronal development, interaction and organization - Development of melanoblasts and pigmented cells of brain and meninges (amphibian)
- MO1RR-00030-13 0130** General clinical research center - 2, 4-diamino-5-(3',4'-dichlorophenyl)-6-methyl pyrimidine for leukemia
- NERVOUS SYSTEM CENTRAL, MENINGES, ARACHNOID**
- RO1NS-02108-15** Hypo- and hypervitaminosis A (rats)
- PO1NS-03346-13 0003** Research center for cerebrovascular disease - Neuroradiology (human, sheep)
- NERVOUS SYSTEM CENTRAL, MENINGES, ARACHNOID VILLI**
- RO1NS-02108-15** Hypo- and hypervitaminosis A (rats)
- NERVOUS SYSTEM CENTRAL, MENINGES, DURA MATER**
- RO1AM-16478-02** Molecular heterogeneity of human skin collagen
- PO1NS-07512-06 0032** Neuronal development, interaction and organization - Development of melanoblasts and pigmented cells of brain and meninges (amphibian)
- NERVOUS SYSTEM CENTRAL, MENINGES, SUBARACHNOID SPACE**
- RO1GM-20227-01** CNS cellular response to contrast ventriculography (rhesus monkey)
- RO1HL-15805-02** Cerebral arterial reactivity and spasm (rabbits)
- PO1NS-06663-08 0010** Cerebrovascular clinical research center - Temporal profile of progressing stroke in carotid system (human)
- ** PO1NS-06663-08 0014** Cerebrovascular clinical research center - Postoperative treatment of subarachnoid hemorrhage and cerebral vasospasm
- PO1NS-06663-08 0016** Cerebrovascular clinical research center - Humoral responses of rabbit arterial smooth muscle
- PO1NS-06663-08 0019** Cerebrovascular clinical research center - Drug effects on cerebral blood flow (cats)
- PO1NS-06826-06** Univ Tennessee cerebrovascular research center (human, dogs, cats, monkeys)
- PO1NS-06833-08 0001** Interdisciplinary stroke program - Blood coagulation and plasma fibrinolytic enzyme system (human)
- ** PO1NS-08802-05 0009** Cerebrovascular disease research center - Isotopic determination of circulation time (human)
- ** PO1NS-09287-04 0007** Baylor center for cerebrovascular research - Complicating factors in acute subarachnoid hemorrhage (human)
- ** PO1NS-09287-04 0016** Baylor center for cerebrovascular research - Blood and cerebrospinal fluid in acute subarachnoid hemorrhage (human)
- ** RO1NS-09363-04** Fine structural lining of subarachnoid space (rats)
- RO1NS-09408-03** Local cerebral blood flow (cats, monkeys)
- ** RO1NS-09431-03** Acute treatment of ruptured intracranial aneurysms, contral registry (human)
- RO1NS-09432-03** Acute treatment of ruptured intracranial aneurysms (human)
- RO1NS-09433-03** Acute treatment of ruptured intracranial aneurysms (human)
- ** RO1NS-09435-03** Acute treatment of ruptured intracranial aneurysms (human)
- RO1NS-09437-03** Acute treatment of ruptured intracranial aneurysms (human)
- ** RO1NS-09438-03** Acute treatment of ruptured intracranial aneurysms (human)
- ** RO1NS-09439-03** Acute treatment of ruptured intracranial aneurysms (human)
- PO1NS-09649-04 0010** Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)
- RO1NS-09938-03** Factors affecting cerebral arterial caliber (monkeys)
- ** RO1NS-11169-01** Cerebral dynamics in subarachnoid hemorrhage (monkey)
- NERVOUS SYSTEM CENTRAL, MENINGES, SUBDURAL SPACE**
- ** PO1NS-06833-08 0010** Interdisciplinary stroke program - Subdural hematomas and other fluid collections of infancy
- ** MO1RR-00036-14 0076** General clinical research center - Turnover rates of radiolabeled proteins in subdural effusions (human)
- MO1RR-00211-10 0051** General clinical research center - RISA cisternography (human)
- NERVOUS SYSTEM CENTRAL, NEURAL CANAL, EPENDYMA**
- RO1CA-14362-02** Growth and function of cerebral cells in vitro (human, sheep)
- RO1GM-18269-04** Studies in regeneration (lizards)
- ** PO1HD-03352-07 0003** Wisconsin center on mental retardation - Developmental endocrine neuroanatomy (mice, rats)
- RO1HD-08184-10** Virus-cell interaction replication and differentiation (mice)
- RO1NS-03756-12** Histogenesis in normal and abnormal brain (mice)
- PO1NS-07938-06 0008** Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
- RO1NS-08171-06** Fine structure correlates of neuroendocrine mechanisms (human, mammals)
- ** RO1NS-08626-06** Development of central nervous tissue in culture (mice)
- PO1NS-11631-01 0060** Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline in sympathetically innervated tissues (rats)
- NERVOUS SYSTEM CENTRAL, PYRAMIDAL TRACTS**
- ** PO1HD-08658-01 0003** Developmental neurobiology in primates - Commissural plate and pyramidal tracts in fetuses (human)
- PO1MH-15767-06** Neurological mechanisms underlying behavior (human, animals)
- RO1NS-00396-21** Single unit analysis in the somatosensory system (primates, cats)
- ** RO1NS-02957-14** Suprasagittal influences on spinal motoneurons (baboons)
- PO1NS-04513-11 0002** Coordinated basic and clinical brain research program - Neurophysiological studies of striated muscle innervation, (cats)
- ** RO1NS-04955-11** Conditioning of pyramidal activity by sensory inflow (cats)
- PO1NS-05820-09 0005** Research center for cerebral vascular diseases - Training in hemiplegia recovery (human, primates)
- ** RO1NS-09746-04** Vagal effects on cortical PT-neuron activity (cats)
- ** RO1NS-10183-03** Cortical neuronal mechanisms of motor control (primates)
- RO1NS-10804-02** Neurophysiological studies of the basal ganglia (monkeys)
- ** RO1NS-11219-02** Interrelationships to sensorimotor neurons (cats)
- PO1NS-11631-01 0052** Clinical center for research on Parkinson's and allied diseases - Electrophysiology of thalamocortical linkages (cats, monkey)
- PO1NS-11631-01 0055** Clinical center for research on Parkinson's and allied diseases - Motor cortical regulation of transmission in the thalamic relays (cats, primates)
- RO1NS-11654-01** Central neural mechanisms of hearing (cats)
- ** RO1NS-11834-01** Fine structure of spinal cord (monkeys, cats)
- NERVOUS SYSTEM CENTRAL, RETICULOSPINAL TRACT**
- RO1NS-02619-15** Studies on motor control (cats)
- PO1NS-06828-08 0033** Neurophysiology-Sensory systems and cerebral cortex - Supraspinal control of autogenetic reflexes (cats)
- ** RO1NS-09367-04** Organization of primitive spinal cord (lamprey)
- RO1NS-10804-02** Neurophysiological studies of the basal ganglia (monkeys)
- NERVOUS SYSTEM CENTRAL, RUBROSPINAL TRACT**
- ** RO1NS-11834-01** Fine structure of spinal cord (monkeys, cats)
- NERVOUS SYSTEM CENTRAL, SPINAL CORD**
- P02CA-05826-13 0075** Clinical cancer research center - Radiation therapy versus surgery for cord compression (human)
- RO1CA-11138-06** Radiobiology of normal tissues (mice)
- PO1GM-15991-06 0100** Anesthesia research center - General anesthetics-Central targets (cats, monkeys)
- RO1GM-17632-04** Computer-aided image recognition
- PO1HD-03352-07 0002** Wisconsin center on mental retardation - Experimental neuroembryology (monkeys)
- RO1HD-04817-05** Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
- RO1HD-05751-04** Brain mechanisms of reproductive behavior (rats, other vertebrates)
- RO1HD-07277-02** Development of the nervous system (human)
- PO1HD-08658-01 0002** Developmental neurobiology in primates - Skull and vertebral column development in stagod embryos (human)
- ** PO1HD-08658-01 0004** Developmental neurobiology in primates - Spinal cord and vertebral column in fetuses (human)
- PO1HL-08896-11 0017** Radiology-physiology cardiovascular research - Decompression sickness studies (dogs)
- PO1HL-08974-10 0002** Natural and experimental atherosclerosis - Geographical pathology of cerebral atherosclerosis (human)
- RO1NS-00690-20** Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- PO1NS-04053-12 0003** Epilepsy - Neurophysiology-Firing mechanisms (cats)

(cont)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1NS-04053-12 0007 Epilepsy - Hyperactivity in spinal cord sensory system (cats)
- ** RO1NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
- RO1NS-05721-10 Neurogenesis and development of behavior (chick embryos)
- RO1NS-06011-09 Lipids of the central nervous system (human, cattle, rats)
- RO1NS-06371-08 Neural correlates of somatic sensibility (monkeys, racoons, opossum)
- PO1NS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
- ** PO1NS-06827-08 0003 Integrated approaches to neurobiological problems - Morphological studies with EM (axolotl)
- PO1NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
- PO1NS-07938-06 0007 Peripheral and central nervous system - Somatic sensory pathway (mammals)
- PO1NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
- RO1NS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)
- RO1NS-09082-03 Studies of neural proteins (rats)
- ** RO1NS-09367-04 Organization of primitive spinal cord (lamprey)
- ** RO1NS-09578-05 Spinal cord development (mice)
- ** RO1NS-09632-03 Transmitter release in a central nervous system (sea lamprey)
- RO1NS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)
- ** RO1NS-09809-04 Temperature and pain in CNS (cats, monkeys)
- RO1NS-09885-02 Transmitted release and metabolism by 3H-DWFB assay (frogs)
- RO1NS-09971-02 Use and disuse of spinal pathways (cats, rats)
- RO1NS-10287-19 Metabolism of serine and related compounds (rats, swine)
- ** RO1NS-10304-02 Spinal tract projections to ventral horn interneurons (cats)
- RO1NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
- RO1NS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
- RO1NS-10615-02 Biochemistry and physiology of neurons (mice, chickens)
- RO1NS-10648-02 Experimental neuropathology in tissue culture
- RO1NS-10667-01 Effects of anticonvulsants on cerebellar function (cats, rats)
- RO1NS-10781-01 Models of neural networks
- RO1NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
- PO1NS-11132-01 0007 Neural basis of effects produced by spinal cord damage - Isolation and characterization of plasma membranes from motoneurons (cattle)
- PO1NS-11255-01 0006 Comparative neurobiology (aphysia, fish, sea lions) - Mechanism of action of PMPEA on the vertebrate spinal cord
- RO1NS-11364-02 Cytological localization of serotonin (rabbits, chicks)
- RO1NS-11517-01 Behavioral thermoregulation - Role of the brainstem (monkey)
- RO1NS-11549-01 Synapse formation in cloned cell lines (mice, rats)
- ** RO1NS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
- RO1NS-11695-01 Factors in reflex motor control (cats)
- ** RO1NS-12039-01 Evoked spinal response
- RO1NS-12079-01 Mechanisms of neurotransmitter release (rats)
- ** NO1NS-32307-01 Urinary bladder evacuation (mammals)
- ** NO1NS-32308-01 Electrical stimulation of spinal cord (mammals)

NERVOUS SYSTEM CENTRAL, SPINAL CORD, DORSAL COLUMN

- PO1GM-21056-01 0014 Interfacial behavior of biomaterials - Electrical analgesia electrodes (monkeys)
- PO1HD-02274-08 0146 Mental retardation and child development - Degeneration in cervical dorsal columns and lateral cuneate nucleus (cats)
- PO1HD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)
- PO1HD-06276-03 0046 Mental retardation research program - Cholesterol in developing and regenerating nervous system (rats, mice)
- ** RO3MH-24951-01 Effects of spinal cord lesions sparing dorsal columns (cats)
- RO1NS-05685-10 Comparative studies of somatic afferent projection (rats, cats, primates)
- RO1NS-05715-09 Neurological mechanisms of sensory deficit (monkeys)
- RO1NS-07505-06 Neural correlates of skin sensibility (cats)

- PO1NS-07938-06 0002 Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)
- RO1NS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- ** RO1NS-09472-04 Response of dorsal column nuclei to natural inputs (cats)
- RO1NS-09570-02 Organization of cutaneous neurons in dorsal horn (cats)
- ** RO1NS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
- ** RO1NS-10864-02 Axon regeneration in the spinal cord (rats)
- PO1NS-11132-01 0005 Neural basis of effects produced by spinal cord damage - Descending impulses in functional organization of the spinal dorsal horn (monkey)
- ** PO1NS-11132-01 0006 Neural basis of effects produced by spinal cord damage - Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles)
- ** RO1NS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
- ** RO1NS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)

NERVOUS SYSTEM CENTRAL, SPINAL CORD, DORSAL ROOT

- RO1AM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)
- ** PO1AM-16716-01 0006 Pathophysiological bases of muscle diseases - Sensory input and motor activity (cats)
- ** PO1ES-00481-03 0009 Subcellular pathology of heavy metals - Methyl mercury intoxication (rats)
- PO1HD-03015-08 0013 Program for developmental biology - Dissociated and cultured nerve cells - Growth factors (mice, chickens)
- PO1HD-03352-07 0004 Wisconsin center on mental retardation - Developmental neurophysiology (rodents, cats, racoons)
- ** PO1NS-03356-14 0028 Neurological clinical research center - Measles infection of cultured dorsal root ganglion (hamsters)
- RO1NS-05811-10 Peripheral neuropathy in man
- RO1NS-05982-09 Development of afferent neural centers (opossum)
- PO1NS-06225-09 0002 Cerebral localization - Comparative studies of brain specialization in mammals (raccoons, rats, cats)
- RO1NS-07606-06 Dissociated neural cell nerve growth factor (human, mice, chick embryo)
- RO1NS-09738-04 Excitatory effects of barbiturates (cats, frogs, rabbits)
- RO1NS-09871-03 Anesthesia and the nervous system (cats)
- RO1NS-10019-03 Nerve triphosphoinoside function (cats)
- RO1NS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
- RO1NS-10371-02 Degenerative and regenerative changes in CNS (cats)
- ** RO1NS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
- ** RO1NS-10972-02 Basal forebrain organization (rats, sharks)
- RO1NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
- PO1NS-11132-01 0006 Neural basis of effects produced by spinal cord damage - Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles)
- RO1NS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
- RO1NS-11644-01 Generation and degeneration of axons (fish, rats)
- RO1NS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)

NERVOUS SYSTEM CENTRAL, SPINAL CORD, LATERAL COLUMN

- PO1NS-11132-01 0005 Neural basis of effects produced by spinal cord damage - Descending impulses in functional organization of the spinal dorsal horn (monkey)

NERVOUS SYSTEM CENTRAL, SPINAL CORD, LUMBOSACRAL

- ** RO1NS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- RO1NS-11529-01 Spinoreticular mechanism in pain sensation (cats, macaque)
- MO1RR-00030-13 0067 General clinical research center - Spinal cord stimulation with implanted electrodes (human)

NERVOUS SYSTEM CENTRAL, SPINAL CORD, VENTRAL COLUMN

- RO1NS-11831-01 Control mechanisms in regeneration and polarity (annelids)
- ** RO1NS-11834-01 Fine structure of spinal cord (monkeys, cats)
- NERVOUS SYSTEM CENTRAL, SPINAL CORD, VENTRAL ROOT
- RO1NS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- RO1NS-10019-03 Nerve triphosphoinoside function (cats)
- RO1NS-11177-01 Neural role in muscular dystrophy (chicken)

- PO1NS-11255-01 Comparative neurobiology (aphysia, fish, sea lions)
- ** PO1NS-11255-01 0009 Comparative neurobiology (aphysia, fish, sea lions) - Unmyelinated fibers in the ventral root (cats)
- ** RO1NS-12043-01 Effects of anticonvulsants on motoneuron development

NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING

- RO3MH-24951-01 Effects of spinal cord lesions sparing dorsal columns (cats)
- ** RO1NS-03989-12 Comparative study of nerve ultrastructure (animals)
- ** RO1NS-07261-08 Spinal somesthetic pathways (monkeys)
- RO1NS-07710-06 Sensory and motor aspects of respiration (cats)
- RO1NS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- ** RO1NS-09743-05 Synaptic connections of spinal cord neurons (animals)
- ** RO1NS-10163-03 0004 Acute spinal cord injury center - Anatomic norepinephrine pathways (cats)
- RO1NS-10579-02 Development of synaptic knobs and behavior (rats)
- RO1NS-10972-02 Basal forebrain organization (rats, sharks)
- PO1NS-11132-01 0001 Neural basis of effects produced by spinal cord damage - Spinal shock (cats)
- RO1NS-11529-01 Spinoreticular mechanism in pain sensation (cats, macaque)

NERVOUS SYSTEM CENTRAL, SPINAL CORD VISUALIZATION, MYELOGRAPHY*

- PO1GM-16593-06 0010 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hypersensitivity reactions to radiopaque contrast media (human, guinea pigs)
- ** PO1GM-16593-06 0019 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Brominated perfluorocarbons in myelography
- PO1GM-19489-03 0014 Study of human genetics - Delineation and management of atlanto-axial subluxation in skeletal dysplasias
- ** RO1GM-20730-01 Perfluorocytbromide in myelography and lymphography
- RO1GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)

NERVOUS SYSTEM CENTRAL, SUBCORTICOSPINAL TRACTS

- SEE ALSO NERVOUS SYSTEM CENTRAL, EXTRAPYRAMIDAL TRACTS
- SEE ALSO NERVOUS SYSTEM CENTRAL, RETICULOSPINAL TRACT
- ** RO1NS-10531-02 Corticospinal tract in developing motor function (rats)

NERVOUS SYSTEM DISORDERS

SEE NERVOUS DISORDERS (GENERAL)

NERVOUS SYSTEM INFECTIONS

SEE NERVOUS DISORDERS INFECTIOUS

NERVOUS SYSTEM NEOPLASMS

SEE NERVOUS NEOPLASMS

NERVOUS SYSTEM REGENERATION

- RO1AM-09432-10 Fine structure and localization of cholesterol (mice, rats, human)
- ** RO1AM-16186-02 0002 Inhibition of scars in tendon and nerve injury - Nerve studies (rats)
- RO1EY-00223-13 The physiology and pathology of the vitreous (monkey)
- RO1EY-00297-10 Vulnerability of the retina to light and other agents (rats, rabbits)
- RO1EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
- ** RO1HD-00143-15 Cytology of growing and differentiating cells (animals)
- ** PO1HD-03015-08 0014 Program for developmental biology - Growth regulation in individual nerve cells (chick embryo)
- PO1HD-04583-06 0022 Mental retardation research center - Synaptic architecture in the brain (rats)
- ** PO1HD-06276-03 0046 Mental retardation research program - Cholesterol in developing and regenerating nervous system (rats, mice)
- PO1HD-06276-03 0064 Mental retardation research program - Histogenesis in the fetal monkey CNS
- M PO1HL-06312-13 Surgical cardiology
- PO1HL-06312-13 0026 Surgical cardiology - Patterns of cardiac denervation (dogs)
- PO1HL-08203-12 0002 Renal homotransplantation in man - Cardiac transplantation (human, dogs)
- ** R23HL-17200-01 Control of hypoxic pulmonary vasoconstriction (dogs)
- ** RO3MH-25690-01 Axonal plasticity in superior colliculus (rabbits)
- RO1NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
- ** RO1NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
- RO1NS-07662-08 Structure of nerve endings (rats, chickens)

(contd)

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- ** ROINS-07778-07 Neural development (crickets)
 ** POINS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
 ROINS-08185-06 Cerebral edema with protein markers (mice)
 ROINS-08626-06 Development of central nervous tissue in culture (mice)
 ROINS-08814-05 Relation of neural responses to odor properties (turtles, frogs, birds, mammals)
 ROINS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)
 ROINS-09015-05 Growth of axons in development of the nervous system (rats, cats)
 ROINS-09367-04 Organization of primitive spinal cord (lamprey)
 ROINS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
 ** ROINS-09614-03 Regeneration in nervous system (crustaceans)
 ** POINS-09649-04 0008 Research in parkinsonism - Regeneration in central aminergic systems (monkeys, cats, rats)
 ROINS-09677-04 Motoneuron repetitive firing mechanisms (cats)
 ** ROINS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
 POINS-09823-04 0005 Communicative disorders clinical research center - Fine structure anatomy (bullfrogs, toads)
 ** ROINS-10371-02 Regenerative and regenerative changes in CNS (cats)
 ** ROINS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
 ROINS-10614-02 Neurochemistry of ganglion in culture (lobsters)
 ROINS-10662-01 Microtubules in sensory transduction and development (cockroaches)
 ROINS-10803-03 Experimental pathology of developing nervous system (rodents)
 ** ROINS-10864-02 Axon regeneration in the spinal cord (rats)
 M POINS-10920-02 Development and regeneration in the nervous system
 POINS-10920-02 0015 Development and regeneration in the nervous system - Studies of chromatolysis (frogs)
 POINS-10920-02 0016 Development and regeneration in the nervous system - Studies of axoplasmic transport (rats, frogs)
 ROINS-11026-01 An analysis of reinnervated muscle spindles (cats)
 ROINS-11055-02 Control of mammalian muscle during reinnervation (rat)
 ** ROINS-11259-01 RNA transport in normal and regenerating nerves (fish)
 ROINS-11299-01 Studies of nerve development (chick embryo)
 ROINS-11383-01 Synaptic connectivity in motor systems (crayfish)
 ** ROINS-11507-01 Central nervous regeneration-Hormonal influences (cats, rats)
 ** ROINS-11544-01 Integration and regeneration in the nervous system (leeches)
 ** ROINS-11644-01 Generation and degeneration of axons (fish, rats)
 ROINS-11650-01 Morphology of collateral nerve sprouting (cats)
 ** ROINS-11668-01 The biological basis for olfactory behavior (pigeons)
 ** R13MS-11715-01 Conference-Regeneration in central nervous system
 ** ROINS-11831-01 Control mechanisms in regeneration and polarity (annelids)
 ** ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
 ** ROINS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
- NERVOUS SYSTEM TRANSPLANTATION**
 ** ROINS-05721-10 Neurogenesis and development of behavior (chick embryos)
 ROINS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
 POINS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
 POINS-06827-08 0003 Integrated approaches to neurobiological problems - Morphological studies with EM (axolotl)
 ROINS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
 ROINS-11237-02 Brain development in normal and mutants (mice)

NESIDIOBLASTOSIS

SEE PANCREATIC ISLETS HYPERPLASIA

NETHALIDE

SEE NAPHTHYLAMINES, PRONETHALOL

NETHERLANDS

SEE GEOGRAPHICAL SITES, EUROPE, NETHERLANDS

NEURAL CONDUCTION

SEE NEUROPHYSIOLOGY, NEURAL CONDUCTION

NEURAL CONTROL (MECHANISMS)

SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL ENCODING (MECHANISMS)

SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL MUSCULAR ATROPHY PROGRESSIVE

SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY

NEURAL PROCESSING AND CONTROL

SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL RECRUITMENT

SEE NEUROPHYSIOLOGY, NEURAL RECRUITMENT

NEURAL TRANSMISSION

SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NEURAL TRANSMITTERS, BIOGENIC AMINES

SEE NEUROHORMONS (GENERAL)

NEURAMINIC ACID

SEE SUGAR ACIDS, NEURAMINIC ACID

NEURAMINIDASE

SEE CARBOHYDRASES, NEURAMINIDASE

NEURASTHENIA

SEE PSYCHOLOGY ABNORMAL, NEURASTHENIA

NEURILEMMA

SEE NERVOUS SYSTEM, NEURILEMMA

NEURILEMMOMA

SEE NERVOUS NEOPLASMS, NERVE SHEATH

NEURIN

SEE NERVE PROTEINS, NEURIN, NEUROSTEMIN AND STEMIN

NEURITIS

SEE NERVOUS DISORDERS PERIPHERAL, NEURITIS

NEUROANATOMY

SEE ALSO BRAIN MAPPING

SEE ALSO NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING

- ROIAA-00325-01 Ethanol effects and thiamine deficiency
 ROIAI-00947-18 Neurophysiology and behavior (cockroaches, moths, shrimp)
 ROIAI-06448-10 EM studies of microtubular elements and a rickettsia (helminths, mice, crustace)
 POIAM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
 ROIAM-09432-10 Fine structure and localization of cholesterol (mice, rats, human)
 ROIAM-15776-01 Neural pathways involved with ACTH secretion (rats)
 ROIAM-17157-01 Medial hypothalamic regulation of feeding behavior (rats)
 ** POIDA-00259-03 0005 Drug abuse research center - Neuroanatomical correlates (rats)
 ROIDA-00815-01 Effects of narcotics on brain phospholipids and cytology
 ** POIDE-01697-12 0018 Interdisciplinary studies in cleft palate - Innervation of the human larynx
 ** POIDE-01697-12 0019 Interdisciplinary studies in cleft palate - Morphology of the hypoglossal nerve (human)
 ROIEY-00088-11 Effects of brain lesions on brightness discrimination (cats)
 ** ROIEY-00089-10 Structure and function of eyes (human, frogs)
 ROIEY-00095-13 Histophysical and histochemical studies on the eye (frogs)
 ROIEY-00097-12 Development and organization of visual pathways (rabbits)
 ROIEY-00126-05 Neuropsychological studies of the visual system (hamsters)
 ** ROIEY-00154-04 Organization of the vertebrate visual system
 ROIEY-00188-19 Electrical activity, single receptors, neurons of eye (cats, limulus)
 ROIEY-00190-18 Electron microscopy of the eye (human, animals)
 ROIEY-00204-15 Etiology of reduced visual function (human, animals)
 ROIEY-00239-14 Biochemical studies of lens cataract formation (human, animals)
 ROIEY-00258-11 Cytology and physiology of the retina (animals)
 POIEY-00299-09 0008 Neurophysiology of the visual apparatus - Structural and functional correlation in extraocular muscle (and cats)
 ROIEY-00376-07 Effect of visual deprivation on vision (rats, cats)
 ROIEY-00392-07 Functional morphology of the limulus visual system
 ** ROIEY-00530-12 A study of structure and function of retinal neurons (monkeys, cat)
 ROIEY-00545-04 Cytology of retinal differentiation (chickens, mice, amphibians)

- ROIEY-00568-06 Neurophysiology of all-cone vision (monkeys, cats)
 ROIEY-00573-12 Vision in special environments-Developmental effects (monkeys, cats, rats)
 ** ROIEY-00577-10 Visual behavior-Anatomical and functional basis (cats)
 ** ROIEY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
 ROIEY-00568-06 Oculomotor control system (primates, cats)
 ** ROIEY-00599-05 Morphological studies of the visual system (animals)
 ROIEY-00605-15 Organization of visual system (cats, monkeys)
 ROIEY-00606-10 Visual system (cats, monkeys)
 ROIEY-00607-09 Visual and non-visual cortical efferents (rabbits)
 ROIEY-00621-04 Functional organization of the visual system (mice)
 ROIEY-00631-04 Nutritional retinal degeneration in cats interaction between eye movement and vision (monkeys)
 ROIEY-00683-04 Cytology, cytochemistry and synapses of dog retina
 ROIEY-00691-14 Neurology of learning and vision (cats, rabbits, rats)
 ROIEY-00742-03 Studies of binocular vision (human, cats)
 ROIEY-00784-03 Cellular basis of visual integration (arthropods, crustaceans)
 ROIEY-00789-03 Eye development (fish)
 ** ROIEY-00811-03 Anatomy of the visual system (animals)
 ** ROIEY-00824-04 Structure and function of vertebrate visual systems (animals)
 ROIEY-00828-03 Anatomy and physiology of visuomotor systems (cats, fish)
 ** ROIEY-00635-03 Anatomy and physiology of vision (arthropods)
 ROIEY-00888-03 The developing and adult visual system (human, animals)
 ROIEY-00888-03 Function of neuron networks in vertebrate visual system (catfish)
 ROIEY-00909-03 Anatomical correlates of subcortical visual function (animals)
 ROIEY-00929-03 Neural organization of the visual system (squirrels, shrews, cats)
 ** ROIEY-00998-02 Receptive field organization in visual system (cats)
 ** ROIEY-01018-02 Structure and development of the visual system (mice, human)
 ROIEY-01074-02 Eye movement-Physiological organization (cats)
 ROIEY-01085-02 Neural mechanisms of developing vision (cats, shrew)
 ** ROIEY-01086-02 Structure and development of visual cortex (primates)
 ROIEY-01117-02 Optic tactum-A combined structural and functional study (frogs)
 ROIEY-01120-02 Clinical and laboratory studies of amblyopia (monkeys)
 ROIEY-01170-02 Neurophysiological consequences of visual cortex damage (cats)
 ROIEY-01174-01 An experimental study of developing visual system (cats)
 ROIEY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
 ROIEY-01208-01 Development of primate retina and visual thalamus (primates)
 ** ROIEY-01255-01 Quantitative anatomical studies of visual deprivation (monkeys, mice)
 ROIEY-01268-02 Development and functions of visual cortex (cats)
 ROIEY-01281-01 Developmental analysis of retinal synaptic organization (animals)
 ROIEY-01310-01 Fovea-Anatomical and behavioral studies (animals)
 ** ROIEY-01316-01 Organization of striate cortex (cats)
 POIEY-01319-01 0007 Visual science research center support - Development in the visual system (mammals)
 ROIEY-01331-01 Development studies of the visual system (cats)
 ROIEY-01342-01 Surface corneal epithelium in diseased states (human, animals)
 ROIEY-01349-01 Functional anatomy of anterior segment of the eye (monkeys)
 ROIEY-01370-01 Brainstem pathways for adduction of the cat eye
 ROIEY-01408-01 Hereditary diseases (rabbits)
 ROIGM-10797-09 0011 Pattern recognition in clinical medical laboratories - Electron micrograph of brain tissue
 ROIGM-21106-01 Neurological mutants of Drosophila melanogaster
 R13GM-21477-01 The biology of cytoplasmic microtubules
 ROIHD-00867-12 Hormonal and neural correlates of reproductive behavior (rats, hamsters)
 ROIHD-00893-11 Hormonal control of behavior (rodents)
 POIHD-02274-08 0002 Mental retardation and child development - Neuroembryology (human)
 POIHD-02528-08 0077 Research center in mental retardation - Role of auditory cortex (mammals nonhuman)
 ** POIHD-03015-08 0011 Program for developmental biology - Development of neuronal pathways (lobsters)

(contd)

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- ** P01HD-03298-13 0012 Developmental pathology - Cerebral cortex development (human, cats, hamsters)
- ** P01HD-03352-07 0003 Wisconsin center on mental retardation - Developmental endocrine neuroanatomy (mice, rats)
- P01HD-03352-07 0039 Wisconsin center on mental retardation - Auditory cortex (monkeys)
- ** P01HD-04147-06 0010 Research in mental retardation - Neuropathology (human, rats, monkeys)
- ** P01HD-04147-06 0011 Research in mental retardation - Morphogenic anomalies (human, mice, rats)
- ** P01HD-04147-06 0012 Research in mental retardation - Golgi studies of human developmental diseases and experimental epilepsy in mouse
- ** P01HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
- ** R01HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
- ** P01HD-04583-06 0022 Mental retardation research center - Synaptic architecture in the brain (rats)
- ** P01HD-05796-03 0005 Aging in connective tissue, brain and auditory system - Changes in the auditory cortex (rats)
- ** P01HD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
- ** P01HD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)
- P01HD-06276-03 0051 Mental retardation research program - Later gestational changes in the brain (human)
- P01HD-06276-03 0076 Mental retardation research program - Release of norepinephrine from cat brain in vivo, with infusion of potassium
- ** P01HD-06276-03 0080 Mental retardation research program - Blood-brain barrier (mice)
- ** P01HD-06364-03 0004 Maternal protein restriction and mental retardation - Histoanatomic effects of protein deprivation of brain (rats)
- R01HD-06761-03 Serotonergic mechanisms in inhibition of ovulation (rats)
- R01HD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)
- R01HD-06862-02 Environmental effects on rat brain synapses
- R01HD-06950-01 Exteroceptive and neuroendocrine regulation of ovulation (baboon, rat)
- ** R01HD-07277-02 Development of the nervous system (human)
- R01HD-07923-02 0001 Steroid hormone metabolism - Brain aromatization (sub-human mammals)
- R01HD-08194-01 Prenatal protein malnutrition and brain steroids
- R01HD-08281-01 Neuroendocrine regulation of reproductive behavior (rats)
- R01HD-08346-01 CNS teratology and mental deficiency (ferrets, rats)
- M P01HD-08658-01 Developmental neurobiology in primates
- ** P01HD-08658-01 0012 Developmental neurobiology in primates - Cataloguing and computerized system for prenatal anatomical material
- ** R01HL-06276-13 Nervous system vascular patterns (human, mammals nonhuman)
- P01HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
- ** R01HL-09913-09 Cerebral veins-Anatomic and radiologic correlation (human)
- R01HL-11114-07 Electron microscopy of the juxtaglomerular apparatus (rats, rabbits)
- ** R01HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
- R01HL-16315-01 Analysis of interaction between CNS vasomotor systems (cats, monkeys)
- R01MH-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
- R01MH-03831-15 Auditory electrophysiology and behavior (cats, human)
- R01MH-04849-13 Behavioral analysis of sensory neocortex (insectivores, squirrels, cats, lemurs)
- R01MH-08366-11 Neural control of avian feeding behavior (pigeons)
- R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- M R01MH-08604-11 Psychobiology of maternal behavior
- R01MH-08909-11 Physiological regulation of body weight (rats)
- R01MH-13581-06 Olfaction in behavioral functions of limbic system (rats)
- P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- R01MH-15902-05 Comparative studies of reinforcement parameters (fish, rats, pigeons, turtles)
- P01MH-16674-06 0032 A program of psychiatry-oriented biological research - Computer display techniques in neuroanatomy (monkeys)
- R01MH-16733-06 Developmental neuropsychology (rats)
- R01MH-19793-03 Central mechanisms controlling behavioral excitability (rats)
- R01MH-23132-02 Neurosciences research program
- R01MH-24069-02 Cellular organization of memory (cats)
- R03MH-24382-01 Neural control of feeding (crayfish)
- ** R01MH-25495-01 Anatomy of visuo- and somatomotor behaviors (rats)
- M P01MH-25515-01 Collaborative biological research on schizophrenia
- ** P01MH-25515-01 0001 Collaborative biological research on schizophrenia - Neuroanatomy (monkeys)
- P01MH-25515-01 0012 Collaborative biological research on schizophrenia - Microchemistry of proteolysis in human cerebral cortex
- ** R03MH-25630-01 Organization of lower brainstem behavioral systems (cats)
- R03MH-25721-01 Neural structure in mental deficiency
- R01MH-26251-01 CNS regulation of eating and drinking behavior (rats)
- ** R01NS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- R01NS-00284-20 Oculomotor system and body postural mechanisms (human, monkeys, cats)
- R01NS-00361-19 Quantitative histochemical studies upon cerebral cortex (human)
- R01NS-00405-19 Experimental studies of sensory pathways (cats, rats)
- ** R01NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- R01NS-01330-18 Physiology of vestibular system (monkeys)
- R01NS-01344-17 Physiological studies of the auditory system (cats, lizards)
- R01NS-01538-16 Vestibular system (monkeys)
- R01NS-01791-16 Response of inner ear to injury (chinchillas, guinea pigs)
- R01NS-01941-16 Neurophysiology of food intake (rodents)
- P01NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, neoturus)
- R01NS-02267-14 Genetics and biochemistry of neurological mutants (mice)
- R01NS-02289-15 Studies in cerebellar physiology (monkeys, cats)
- R01NS-02619-15 Studies on motor control (cats)
- R01NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- R01NS-02944-14 Neural organization in ganglia (crayfish)
- R01NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
- R01NS-03273-13 Studies on cell interconnections (rats, mice)
- ** P01NS-03358-13 0010 Sensory disease clinical research center - Vestibular neuroanatomy
- R01NS-03606-13 Learning, perception and neural integration (monkeys)
- ** R01NS-03659-13 Fine structure of the nervous system (rats, monkeys)
- ** R01NS-03756-12 Histogenesis in normal and abnormal brain (mice)
- R01NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- R01NS-03932-13 Electron microscopy of the inner ear (human, animals)
- M P01NS-04053-12 Epilepsy
- ** P01NS-04053-12 0001 Epilepsy - Neuroanatomy-Degeneration of synapses and deafferentation (rats, cats)
- P01NS-04053-12 0002 Epilepsy - Effect of seizures on chronic brain degeneration (monkeys)
- ** P01NS-04053-12 0017 Epilepsy - Ultrastructure and histochemistry of lamina in cortex (monkeys)
- R01NS-04064-12 Amine acids and protein in brain structure and function (animals)
- ** R01NS-04082-12 Anatomy of basal ganglia and related nuclei (monkeys)
- R01NS-04119-11 Plasticity of synaptic mechanisms (cats)
- R01NS-04131-12 Thalamo-cortical connections in brain (monkeys)
- R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- M P01NS-04513-11 Coordinated basic and clinical brain research program
- ** P01NS-04513-11 0001 Coordinated basic and clinical brain research program - Cerebellar anatomy and physiology (monkeys, raccoons)
- P01NS-04513-11 0002 Coordinated basic and clinical brain research program - Neurophysiological studies of striated muscle innervation, (cats)
- P01NS-04513-11 0017 Coordinated basic and clinical brain research program - Axoplasmic flow in cerebellar mossy and climbing fibers (cats)
- R01NS-04615-11 Fluid barriers within the cochlea (guinea pigs)
- R01NS-04655-12 Single unit activity and thermoregulation (rabbits)
- R01NS-04677-12 Central mechanism in diurnal rhythm regulation (rats)
- R01NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
- R01NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
- R01NS-04989-11 Integration of sensory input (clams, crayfish)
- R01NS-05065-10 Microscopic studies of the inner ear (human, animals)
- R01NS-05237-11 Physiology of auditory and vestibular systems (monkeys)
- R01NS-05264-10 Significance of neuronal discharge parameters (mollusks, fish)
- R01NS-05424-10 Energy-utilizing process in the CNS (guinea pigs)
- M R01NS-05572-10 Ultrastructural basis of neuropsychiatric disease
- R01NS-05591-10 Electron microscopy of cerebral tissue (rats, monkeys, garbits)
- R01NS-05685-10 Comparative studies of somatic afferent projection (rats, cats, primates)
- R01NS-05715-09 Neurological mechanisms of sensory deficit (monkeys)
- R01NS-05811-10 Peripheral neuropathy in man
- R01NS-05934-09 Basic neural mechanisms (slugs)
- R01NS-05982-09 Development of afferent neural centers (opossum)
- ** R01NS-06115-10 Anatomy of the auditory system (cats, rats)
- R01NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
- R01NS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
- P01NS-06209-09 0003 Boston University aphasia research center - Clinical case studies, neurology and anatomy (human, monkeys)
- M P01NS-06225-09 Cerebral localization
- ** P01NS-06225-09 0003 Cerebral localization - Neuroanatomical studies (mammals)
- ** P01NS-06225-09 0007 Cerebral localization - Neuroanatomical studies (cats)
- R01NS-06232-09 Formation and function of synapses (animals)
- R01NS-06239-09 Chemical cytology and pathology of nervous tissue (fish, bullfrogs)
- R01NS-06282-08 Experimental study of dyskinesia choreoathetosis (monkeys)
- R01NS-06448-09 Pathogenesis of heredity neurological disorders (mice)
- ** R01NS-06542-09 Forebrain organization and anatomical plasticity (cats, rats)
- ** R01NS-06551-09 Anatomical analyses of cortical systems (turtles, mammals)
- R01NS-06575-08 Metabolic processes of the inner ear (chinchillas, guinea pigs)
- R01NS-06594-08 Morphological aspects of neuronal injury (animals)
- ** R01NS-06662-08 Architectonic and synaptic organization in the brain (animals)
- R01NS-06673-09 Neuromechanics (frogs, toads)
- R01NS-06701-08 New methods for the study of amine transmitters (rodents, chickens)
- R01NS-06716-08 Cortical-thalamic relationships (cats, rats)
- R01NS-06756-07 Developmental nervous disorders-Krabbes disease (dogs)
- R01NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
- R01NS-06809-08 Comparative studies of the vestibular system (animals)
- M P01NS-06827-08 Integrated approaches to neurobiological problems
- ** P01NS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
- P01NS-06828-08 0021 Neurophysiology-Sensory systems and cerebral cortex - Parietal areas 5 and 7 of cerebral cortex of the monkey
- P01NS-06890-07 0016 Sensory processes - Neurohormones release role of sensory input (crab)
- ** R01NS-06925-09 The fine structure of the nervous system (monkeys)
- R01NS-06947-08 Bioelectric studies of cerebral cortex (human, raccoons)
- R01NS-06948-09 Pallidal inhibition of brainstem activity (cats)
- R01NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
- ** R01NS-07016-08 Structure and organization of the cerebral cortex (cats)
- R01NS-07237-07 Partial ablation of vestibular system and equilibrium (monkeys)
- R01NS-07261-08 Spinal somesthetic pathways (monkeys)
- R01NS-07410-07 A comparative study of the extrapyramidal system (opossum)
- ** R01NS-07441-03 Morphological and enzymatic studies of neurogenesis (chick embryo, rats)
- ** P01NS-07464-07 0024 Laboratory of neurobiology - Central nervous system of the nurse shark
- R01NS-07505-06 Neural correlates of skin sensibility (cats)
- M P01NS-07512-06 Neuronal development, interaction and organization
- P01NS-07512-06 0017 Neuronal development, interaction and organization - Morphophysiology of electronic junctions (fish)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- POINS-07512-06 0022 Neuronal development, interaction and organization - Plasticity of synaptic reorganization in relation to central neurons (cats)
- ROINS-07595-06 Structure and function in peripheral nerve (lobsters, garfish)
- ROINS-07606-06 Dissociated neural cell nerve growth factor (human, mice, chick embryo)
- ROINS-07609-07 Integrative mechanisms of cortical neurons (rabbits, frogs)
- ** ROINS-07662-08 Structure of nerve endings (rats, chickens)
- ROINS-07666-07 Sites of callosal thalamic and associational synapses (rats, monkeys)
- ROINS-07680-07 Transfer of neuromuscular mutants to standard strains (mice)
- ROINS-07685-06 Vestibular control of sensory mechanisms (cats)
- ROINS-07710-06 Sensory and motor aspects of respiration (cats)
- ** ROINS-07720-07 Structure and projections of the cochlear nuclei (cats)
- ROINS-07726-08 Sensory cortex (primates, opossum, hedgehog)
- ROINS-07730-06 Physiology of CNS afferent pathways (cats)
- ROINS-07778-07 Neural development (crickets)
- ** ROINS-07825-07 Development of the hypothalamus (rats)
- ROINS-07838-06 Pathophysiology of cerebral hypoxia (human, animals)
- ROINS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- ROINS-07860-07 Anatomical studies of the internal ear (reptiles, bony fish, amphibians)
- ROINS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
- POINS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
- ** POINS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapods, cats)
- ROINS-07941-05 Limbic system in hypothalamic aggression (cats)
- ROINS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
- ROINS-08153-04 Parameters of ontogenesis of cortical neurons (dogs, ferret)
- ROINS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
- ROINS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
- ROINS-08181-05 Auditory thalamo-cortical projections (monkeys)
- ROINS-08221-06 Role of cerebellum in control of movement (cats, monkeys)
- R13NS-08328-06 Cerebrovascular workshop
- ROINS-08335-07 Experimental studies on vestibular mechanism (cats, rabbits)
- ROINS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)
- ROINS-08451-06 Efferent projections of the vestibular nuclei (cats)
- ROINS-08453-06 Pathways subserving proprioception (rats, amphibians)
- ROINS-08470-06 Dynamic modelling of knee joint receptor activity (human)
- ROINS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- ROINS-08604-06 Oral pharyngeal reflexes (cats, human)
- ROINS-08610-04 Neural activity and behavior (barnacles)
- ROINS-08626-06 Development of central nervous tissue in culture (mice)
- ROINS-08669-05 Ontogenesis of visual synaptic neuropiles (flies)
- ROINS-08692-05 Motor control system (human)
- ROINS-08728-05 Neuromuscular mechanisms of larynx (monkeys)
- ROINS-08735-06 Enzyme histochemistry of axon injury (cats)
- ROINS-08769-06 Receptors and somatic sensory pathways (cats)
- ROINS-08770-04 Neuromuscular relations in organotypic cultures (mice, rats)
- ROINS-08798-04 Role of the red nucleus in motor function (opossum)
- ROINS-08813-05 Structure and function of the inner ear (birds, guinea pigs)
- ROINS-08853-05 Specific cell interactions in histogenesis of brain (mice, chick embryo)
- ROINS-08902-05 Mechanisms of olfactory communication (garfish, hamsters)
- ROINS-08907-04 Choreiform dyskinesia after striatal lesions (cats, monkey)
- ROINS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
- ** ROINS-08949-05 Cell proliferation in injured nervous tissue (mice)
- ROINS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)
- ROINS-08970-04 Pathology of acute, experimental spinal cord injury (monkeys, cats)
- ROINS-08989-12 Brain function during altitude acclimatization (rats)
- ROINS-09003-05 Structure, function, and assembly of nerve membranes (rats)
- ROINS-08915-05 Growth of axons in development of the nervous system (rats, cats)
- ** ROINS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- ROINS-09025-05 Pathogenesis of hydrocephalus mutants (human, mice)
- ROINS-09027-04 Nonauditory functions of auditory cortex (cats)
- ** ROINS-09027-04 Anatomy of experimental seizures (human, monkeys)
- ROINS-09161-18 Biochemistry of neural development (insects)
- ROINS-09198-04 Radiological studies of cerebrospinal fluid (human, dogs)
- ROINS-09211-04 Connections of cerebral cortex (primates)
- ** ROINS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
- ROINS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
- ROINS-09331-04 Cytology and function of adrenergic neurons in brain (toads)
- ROINS-09363-04 Fine structural lining of subarachnoid space (rats)
- ** ROINS-09367-04 Organization of primitive spinal cord (lamprey)
- ROINS-09404-04 Central control of sensory interneurons (insects, mollusks)
- ROINS-09418-03 Anatomic and physiologic correlation in the neuropil (crayfish)
- ROINS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
- ROINS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)
- ROINS-09474-04 Integrative mechanisms in ganglia (decapods)
- ROINS-09475-04 Transport and membrane circulation in nervous tissue (animals)
- ** ROINS-09518-04 Studies on the fine structure of the olfactory system (cats, rats)
- ROINS-09578-05 Spinal cord development (mice)
- ROINS-09603-04 The biochemical effects of sensory deprivation (chicks)
- ROINS-00614-03 Regeneration in nervous system (crustaceans)
- ** ROINS-00623-04 Structure and function of neocortex (animals)
- ROINS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
- ** POINS-09649-04 0001 Research in parkinsonism - Anatomy of aminergic systems in brain (monkeys, rats, human)
- POINS-09649-04 0002 Research in parkinsonism - Neuromelanin (monkeys, amphibians, rodents, human)
- ROINS-09854-04 Genetic variants of synaptic proteins (nematodes)
- ROINS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)
- ROINS-09661-05 Organization of the nervous system (lamprey)
- ROINS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
- ROINS-09877-04 Motoneuron repetitive firing mechanisms (cats)
- ROINS-09078-04 Fine structure of deafferentation (rats, cats)
- ROINS-09892-04 Semicircular canal afferent responses (elasmobranchs)
- ROINS-09693-04 Ultrastructural aspects of injured cerebral cortex (cats)
- ROINS-00696-04 Neural control of discrete behavioral processes (snails)
- POINS-09704-04 0035 Developmental neurology - Hippocampal efferents using autoradiographic techniques
- ROINS-09743-05 Synaptic connections of spinal cord neurons (animals)
- ROINS-09746-04 Vagal effects on cortical PT-neuron activity (cats)
- ROINS-09760-04 Studies in aging of the brain (human)
- ROINS-09800-03 Regulation of ACTH-Role of neural inhibition (rats)
- ROINS-09809-04 Temperature and pain in CNS (cats, monkeys)
- ROINS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
- ROINS-09820-04 Effects of environmental stresses on brain development (rats)
- ROINS-09821-04 Neural development genetic and environmental control (crustaceans)
- ** ROINS-09904-03 Developmental morphology and synaptogenesis (animals)
- ROINS-09923-04 Cytological studies of developing and mature neurons (rats)
- ROINS-09937-12 Neurosciences research program
- ** ROINS-09970-02 Organization of cutaneous neurons in dorsal horn (cats)
- ROINS-09997-02 Cortical control of superior colliculus (cats)
- ROINS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
- ROINS-10137-03 Upper and lower motoneurons (Sea constrictor)
- ROINS-10140-03 Olfactory discrimination (rats)
- ROINS-10161-04 Individual neurons in a single nervous system (leeches)
- ROINS-10244-03 Structure of the somatosensory SI neocortex (rats, mice)
- ROINS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
- ROINS-10284-02 Genetic variation in hippocampal structure and function (mice)
- POINS-10299-03 0008 Biophysical and biochemical studies of cellular membranes - Octopus central nervous system
- ** ROINS-10353-02 Olfactory projection field (birds)
- ** ROINS-10368-01 Receptive field organization of somatosensory cortex (primates)
- ROINS-10371-02 Degenerative and regenerative changes in CNS (cats)
- ROINS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- ROINS-10405-03 Neural coding of taste-quality information (rats)
- ROINS-10414-03 Organization of central auditory system (cats, monkeys)
- ** ROINS-10427-02 Structure and biochemistry of cerebellum (mice)
- ROINS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
- ** ROINS-10492-03 Computer analysis of neuron structure and function (frogs)
- ROINS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
- ROINS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
- ROINS-10509-03 Functional analysis of the nervous system (helminths)
- ROINS-10531-02 Corticospinal tract in developing motor function (rats)
- ** ROINS-10536-02 Organization of the striate cortex (monkeys)
- ROINS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
- ROINS-10567-02 Structural-functional studies of neuropil modules (cats)
- ROINS-10579-02 Development of synaptic knobs and behavior (rats)
- ROINS-10613-01 Neuronal cell specificity of glycolipid patterns (mice)
- ROINS-10654-01 Dynamic properties of speech sensorimotor systems (human)
- ROINS-10657-01 Undernutrition and synapse development (mice)
- ** ROINS-10681-02 Structural neuroanatomy of myelin (human, fish, earthworm, shrimp, mice)
- ROINS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
- ROINS-10726-02 Effects of sensorimotor EEG conditioning on epilepsy (human, cats)
- ROINS-10806-01 Connections of auditory cortex (monkeys)
- ** ROINS-10857-01 Organization of the motoneuron-pool and its inputs (cats)
- ROINS-10865-02 Functional organization of the somatosensory cortex (primates)
- ROINS-10906-01 Connections of identifiable neurons during maturation (lamprey)
- POINS-10920-02 0005 Development and regeneration in the nervous system - Development of neuronal cell body (rats, dogs)
- POINS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
- POINS-10920-02 0008 Development and regeneration in the nervous system - Development of auditory system in man (and animals)
- POINS-10940-02 0005 Otophysiology and otopathology program project - Morphology laboratory (human, monkeys)
- ROINS-10943-02 Neuronal specificity in the hippocampus (rats)
- ** ROINS-10969-01 Electron microscopy of human muscle spindles
- ** ROINS-10972-02 Basal forebrain organization (rats, sharks)
- ROINS-10973-02 Anatomy and physiology of cerebellar pathways (animals)
- ROINS-10978-02 Brain stem sensory connections (human, animals)
- ROINS-11006-02 Evolution of the telencephalon (amphibians, lungfish)
- ROINS-11145-01 Neurogenesis-Cytoarchitecture and growth of axons (rats, chick embryos)
- ROINS-11160-02 Synapse formation in low-density culture (chick embryo)

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ROINS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 ROINS-11175-02 ACH and CNS thermoregulation processes (monkeys)
 ROINS-11186-01 Regional cerebral metabolism and blood flow (primates)
 ROINS-11233-02 Neurogenetic processes in fetal brain (human, monkeys)
 ROINS-11237-02 Brain development in normal and mutants (mice)
 ROINS-11239-02 Mechanism of neuroplasmic flow (cattle)
 ROINS-11254-01 Projections of midbrain reticular formation (cats)
 M POINS-11255-01 Comparative neurobiology (aplysia, fish, sea lions)
 POINS-11255-01 0002 Comparative neurobiology (aplysia, fish, sea lions) - Neurobiology of reproduction in aplysia
 ROINS-11272-01 Lateral line projections of amphibian
 ROINS-11299-01 Studies of nerve development (chick embryo)
 ** ROINS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
 ROINS-11313-01 Neuronal interaction and electrogenesis (fish)
 ROINS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
 ROINS-11379-02 Electrophysiological studies of epileptic brain (human)
 ** ROINS-11383-01 Synaptic connectivity in motor systems (crayfish)
 ROINS-11384-01 Central processing of temperature information (monkeys)
 ROINS-11425-01 Development in vitro and mutant CNS (mice)
 ** ROINS-11431-01 Fine structure of synapses and their modification (animals)
 ROINS-11468-01 Development of rhythmic processes in neonatal thalamus (cats)
 ** ROINS-11517-01 Behavioral thermoregulation—Role of the brainstem (monkey)
 ROINS-11522-01 Neural-corticosteroid interaction and brain function (cats, rats)
 ROINS-11544-01 Integration and regeneration in the nervous system (leeches)
 ROINS-11554-01 Behavioral analysis of central hearing mechanisms (primates, hedgehog)
 ** ROINS-11589-01 Integrative neuroanatomy (rats, mice)
 ROINS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
 ROINS-11626-01 Physiology of neuroglia in the brain (cats)
 ROINS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)
 ROINS-11641-19 Biological effects of steroids (mice, rats, monkeys)
 ROINS-11644-01 Generation and degeneration of axons (fish, rats)
 POINS-11647-01 0003 Peripheral and central auditory mechanisms - Effects of sound deprivation on the maturation of the auditory system (mice)
 ** POINS-11647-01 0006 Peripheral and central auditory mechanisms - Origin and course of the olivocochlear bundle (mice)
 ** ROINS-11650-01 Morphology of collateral nerve sprouting (cats)
 ROINS-11654-01 Central neural mechanisms of hearing (cats)
 ROINS-11668-01 The biological basis for olfactory behavior (pigeons)
 ROINS-11686-01 Evolution of structure and connections of neocortex (mammals, lizards)
 ROINS-11699-01 Long-term changes in neurons (guinea pig)
 ROINS-11713-01 Functional studies of the vomeronasal system (snakes)
 ROINS-11751-01 Synaptic integration in a bimodal sensory interneuron
 ROINS-11788-01 Nervous system development and synapse formation (Drosophila)
 ROINS-11824-01 Amino acids and protein in brain structure and function (animals)
 ROINS-11834-01 Fine structure of spinal cord (monkeys, cats)
 ROINS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
 ROINS-11921-01 Somatosensory systems—Central pain (macaques)
 ** ROINS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
 ROINS-12031-01 Functional organization of CNS vesomotor system (cats)
 ROINS-12043-01 Effects of anticonvulsants on motoneuron development
 ** ROINS-12044-01 Myelin constituents in murine leukodystrophy
 ROINS-12050-01 Electrophysiology of indoleamines in thalamus
 ** ROINS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)

** ROINS-12078-01 Anatomical organization of the brain (chicks)
 NOINS-12286-03 Study materials in conjunction with a sensory prosthesis (cats)
 ** NOINS-12316-04 Participation in a study of cerebral death (human)
 ** NOINS-60940-13 Cytomyelo and dendritic-architecture of the monkey brain
 POGRR-00166-14 Regional primate research center at University of Washington
NEUROBLASTOMA
 SEE NERVOUS NEOPLASMS, NEUROBLASTOMA
NEUROCHEMISTRY
 SEE ALSO PSYCHOLOGY, LEARNING, BIOCHEMISTRY
 ** R12AA-00209-07 0007 Washington University Alcoholism Research Center - Effects of alcohol and the biogenic amines on voluntary alcohol intake (rats)
 R12AA-00209-07 0008 Washington University Alcoholism Research Center - Effects of chronic alcohol intake on the brain during development (rats)
 ** R12AA-00209-07 0009 Washington University Alcoholism Research Center - Brain biochemistry in human alcoholism and in animals drinking excessively (rats)
 R01AA-00231-05 Alcohol intoxication and dependence in animals (monkeys, dogs, rats)
 ** R01AA-00252-05 Alcohol and brain macromolecules (mice, rats)
 R01AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
 R01AA-00293-03 Alcohol and behavior—A genetic and biochemical study (rodents, monkeys)
 R01AA-00322-01 Ethanol—Intracellular effects on in vitro CNS (mice)
 R01AA-00397-01 Brain response in alcoholics during drinking cycles
 ** R01AA-00498-03 0018 Clinical studies of alcohol use and abuse - Basic studies of the endocrine differences between two strains of mice
 R03AA-00840-01 Cholesterol metabolism in developing brain (miniature swine)
 R01AA-01245-01 Alcohol effects on behavior—Biochemical correlates (rats, mice, monkeys)
 ** R03AA-01254-01 Neurochemical activity of tetrahydroisoquinolines (rats)
 ** R01AA-01395-02 Metabolic regulation of neuro-active aldehydes (rats, rabbits)
 ** R03AA-01404-01 Ethanol metabolism and acetyl-choline synthesis (rats)
 R01AM-03984-17 Neuroendocrine relationships in insects
 R01AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
 R01AM-08547-08 Neural control of ACTH release (human, rats)
 R01AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
 R01AM-09765-09 0005 Regulatory processes in biological systems - Chemotaxis and neurobiology (bacteria)
 R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
 R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
 ** R01AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
 R01AM-15347-04 False neurotransmitters and hepatic failure (humans, rabbits, rats)
 R01AM-16166-01 The physiology of neurophysin secretion (human, animals)
 ** R01CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
 R01CA-08676-10 Regulation of mammalian enzyme synthesis (rats)
 R01DA-00822-08 Narcotic addiction and brain protein metabolism (mice)
 R01DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
 R01DA-00053-02 Amphetamine, nervous stimulation and brain amines (mice)
 R01DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
 ** P01DA-00250-03 0001 Research center—Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of drugs of abuse—Psychotomimetics
 P01DA-00250-03 0002 Research center—Studies of drug dependence and abuse - Neurochemistry and pharmacology of morphine and opiates (rats, primates)
 ** P01DA-00250-03 0003 Research center—Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of psychomotor stimulants (monkeys)
 P01DA-00254-03 0002 Drug abuse basic research center - Self-administration of drugs by Rhesus monkeys
 P01DA-00259-03 0003 Drug abuse research center - Effects of morphine on brain metabolism substrates (mice)
 ** P01DA-00266-03 0004 Johns Hopkins drug abuse research center - Central reward mechanisms—Drug interactions (rats, monkeys)
 R01DA-00322-01 Physical dependence on barbiturates (mice)
 ** R01DA-00755-01 Chronic pentobarbital or methadone-CNS biochemistry (rats)

R01DA-00815-01 Effects of narcotics on brain phosphatides and cytology
 P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
 ** P01ES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)
 R01ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
 R01ES-01077-09 Synthesis and localization of biogenic amines in brain (rats)
 R01EY-00573-12 Vision in special environments—Developmental effects (monkeys, cats, rats)
 R01EY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
 R01EY-00729-04 Molecular basis of membrane excitation (model system, cattle)
 R01EY-00901-01 Psychophysical studies of color-defective observers (human)
 ** R01FD-00690-01 Hexachlorophene—Neuropathological and biochemical studies (rats)
 P01GM-10402-12 0018 Zoophysiology in Alaska - Brain amines (ground squirrels)
 P11GM-15431-08 0027 Research center for clinical pharmacology and drug toxicology - Interactions of drugs with glucuronic acid (rats)
 ** R01GM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norpinephrine synthesis and neurally mediated release (rats, guinea pigs)
 R01GM-21091-01 cAMP stimulated protein kinase—Mechanism and control (rats, cattle)
 R13GM-21477-01 The biology of cytoplasmic microtubules
 R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
 ** R01HD-00893-11 Hormonal control of behavior (rodents)
 ** P01HD-01799-09 0047 Mental retardation research center - Developmental neurochemistry (rats)
 ** P01HD-02528-08 0055 Research center in mental retardation - Cyanate and carbamyl phosphate action on central nervous system (rats)
 ** P01HD-02528-08 0085 Research center in mental retardation - Chemical communication in nervous tissue
 ** P01HD-02528-08 0086 Research center in mental retardation - Neurotransmitters in the central nervous system (cats)
 P01HD-02881-07 0001 Developmental and behavioral neuroendocrinology - Prenatal studies (mice)
 R01HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
 P01HD-03015-08 0012 Program for developmental biology - Microtubular protein synthesis (chick embryo)
 M P01HD-03352-07 Wisconsin center on mental retardation
 P01HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
 ** P01HD-04147-06 0002 Research in mental retardation - Change of nonhydroxy fatty acids to 2-hydroxy fatty acids by brain enzyme (rats)
 P01HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
 ** P01HD-04147-06 0018 Research in mental retardation - Metabolic stability of myelin (rats)
 R01HD-04364-12 A developmental study of the stress response (rats)
 R01HD-04575-05 Glial and myelin lipids in developing and mature brain (rats, cattle)
 M P01HD-04583-06 Mental retardation research center
 ** P01HD-04612-06 0001 Mental retardation research center - Nutritional factors in deficient brain development
 ** P01HD-04612-06 0002 Mental retardation research center - Effect of hormones on brain cell differentiation
 ** P01HD-04612-06 0003 Mental retardation research center - Factors affecting postnatal brain development
 R01HD-05341-04 Down's syndrome-5-hydroxy tryptophan study (children)
 M P01HD-05342-04 Mental retardation and brain development
 P01HD-05342-04 0014 Mental retardation and brain development - Isolation of a calcium-binding protein from brain (swine, goats, electric fish)
 R01HD-05384-03 Nutritional aspects of purine metabolism (rats)
 ** P01HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
 M P01HD-05615-04 Developmental biology in mental retardation
 P01HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
 P01HD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)
 P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 P01HD-05615-04 0005 Developmental biology in mental retardation - Postnatal brain development (rabbits)
 P01HD-05796-03 0001 Aging in connective tissue, brain and auditory system - Organization of chromatin proteins and RNA (mice, dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01HD-06276-03 0026 Mental retardation research program 2 Ontogeny of drug-induced stereotypical behavior (rats)
- ** P01HD-06276-03 0037 Mental retardation research program - Abnormalities in steroid ester metabolism in brain diseases (human, monkeys)
- P01HD-06276-03 0049 Mental retardation research program - Perinatal telencephalic leukoencephalopathy (human)
- P01HD-06276-03 0054 Mental retardation research program - CSF transport of metabolic end products from brain (cats)
- ** P01HD-06276-03 0062 Mental retardation research program - Adaptation of neonatal brain to ketone body oxidation (rats)
- ** P01HD-06276-03 0073 Mental retardation research program - Catecholamine neurochemistry
- ** P01HD-06276-03 0075 Mental retardation research program - Lipid neurochemistry
- ** P01HD-06276-03 0076 Mental retardation research program - Release of norepinephrine from cat brain in vivo, with infusion of potassium
- ** P01HD-06364-03 0001 Maternal protein restriction and mental retardation - Biogenic amines (rats)
- ** P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- P01HD-06576-01 0007 Molecular aspects of mental retardation - Sterol esters in CNS in relation to myelination - Ketone bodies in metabolism
- R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
- R01HD-06712-03 Regulation of enzyme levels in brain (mice)
- ** R01HD-06909-02 GABA metabolism—A biochemical key to mental aging (mice)
- R01HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
- R01HD-08194-01 Prenatal protein malnutrition and brain steroids
- P01HD-08315-01 0001 Biochemical, genetic and other studies in retardation - Hypoglycemia and brain development (rats)
- P01HD-08315-01 0002 Biochemical, genetic and other studies in retardation - Brain development in offspring following supplementation of maternal diet (rats)
- P01HD-08315-01 0003 Biochemical, genetic and other studies in retardation - Specific nutrient deficiencies and brain development (rats)
- ** P01HD-08658-01 0006 Developmental neurobiology in primates - Catecholamines and serotonin in the nervous system development (rhesus monkeys)
- P01HD-08658-01 0008 Developmental neurobiology in primates - Ontogenesis of acetylcholinesterase isoenzymes (Macaca mulatta)
- ** P01HL-10342-09 0004 Cardiovascular, pulmonary, and behavioral studies - Hypothalamus in behavior and physiology of hypoxic and CO hypoxia (rats)
- R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)
- R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
- ** R01MH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
- ** R01MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- ** R01MH-03225-15 Neurochemical correlates of behavior (rats, pigeons)
- R01MH-04954-13 Limbic system lesions and brain neurohumors (rats, rabbits)
- R01MH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
- R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- R01MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
- R01MH-11191-09 Brain amines and behavior (mice)
- R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- ** R01MH-12506-09 Chemical correlates of memory (goldfish, rats, monkeys)
- P01MH-13002-06 0011 Clinical and laboratory studies of affective disorder - Brain biochemistry
- P01MH-13002-06 0040 Clinical and laboratory studies of affective disorder - The neurochemistry of aging (rats)
- P01MH-13002-06 0043 Clinical and laboratory studies of affective disorder - Proteins of CNS and affective disorders (human)
- P01MH-13002-06 0046 Clinical and laboratory studies of affective disorder - Mass spectrometry—New brain compounds (human)
- P01MH-13002-06 0047 Clinical and laboratory studies of affective disorder - Mass spectrometry—Low molecular weight substances in brain (human)
- ** R01MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- R01MH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)
- R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
- R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
- R01MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)
- P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- R01MH-16581-05 Neurophysiological correlates of sexual behavior (rats)
- R01MH-16841-06 0015 Effect of central nervous system lesions on drug action - Effect of medial hypothalamic lesions on brain-stem content of norepinephrine
- ** R01MH-17018-05 Mucopolysaccharides in brain (rats, rabbits, cattle)
- R01MH-18038-05 Mechanistic study of biological transmethylation
- R01MH-18136-04 Molecular approaches to behavior (rats)
- R01MH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
- ** R01MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
- M R01MH-19438-04 Neurochemistry of obesity and learned taste aversions
- R01MH-19438-04 0006 Neurochemistry of obesity and learned taste aversions - Effect of drug treatment of hypothalamus on behavior (rats)
- ** R01MH-19624-04 Behavioral neuroendocrinology—Chemical correlates (rats)
- R01MH-20500-02 Extrapyramidal dysinnesias and brain amino metabolism
- ** R01MH-22768-02 Neurochemical and behavioral effects of severe stress (rats)
- R01MH-23132-02 Neurosciences research program
- R01MH-24177-02 N-methylated indoleamines in schizophrenia (human)
- R01MH-25075-01 Ontogenetic behavior effects of drugs (rats)
- R01MH-25444-01 Drugs, aggression and neurochemistry (mice)
- R01MH-25486-01 Biochemical processes in the formation of memory (animals)
- M P01MH-25515-01 Collaborative biological research on schizophrenia
- ** P01MH-25515-01 0011 Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
- ** P01MH-25515-01 0012 Collaborative biological research on schizophrenia - Microchemistry of protolysis in human cerebral cortex
- P01MH-25515-01 0020 Collaborative biological research on schizophrenia - Histamine concentration in the brains of patients with schizophrenia
- ** R03MH-25713-01 Factors regulating tryptophan hydroxylase in brain (rodents, mollusks)
- ** R03MH-25926-01 Corticosterone binding in the rat brain
- R01NS-00361-19 Quantitative histochemical studies upon cerebral cortex (human)
- ** R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- ** R01NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
- ** R01NS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
- R01NS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- R01NS-01687-16 Neuropharmacology of the postsynaptic membrane (aplasia)
- R01NS-01847-16 Lipid composition of brain in pathological states (human, mice)
- M P01NS-02253-15 Neurophysiological and neurochemical studies
- ** P01NS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
- R01NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
- R01NS-02267-14 Genetics and biochemistry of neurological mutants (mice)
- ** R01NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- R01NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- ** R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
- R01NS-03101-14 Phospholipids of the nervous system (animals)
- R01NS-03114-13 Tissue culture of nervous tissue (mammals, human)
- R01NS-03192-15 Brain glycolipids—Metabolism and pathology (human, rats)
- R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- M R01NS-03304-13 Proteins in excitable membranes
- ** P01NS-03354-13 0004 Neurosensory center - Neurochemistry (human)
- P01NS-03364-12 0030 Neurological research center in cerebrovascular disease - Neuronal, chemical and enzymatic effects of cerebral infarction and hemorrhage
- R01NS-03464-11 Defect in myasthenia and other neurosensory diseases (human, mammals)
- R01NS-03677-13 Experimental cerebral injury and edema (primates, dogs)
- R01NS-03743-13 Amine acids and related metabolites in the CNS (beads, rats, chicks)
- R01NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- ** R01NS-03909-13 Biochemistry and histopathology of cocaine toxicity (rats)
- ** P01NS-04053-12 0010 Epilepsy - Neurochemistry (human, monkeys, cats)
- R01NS-04064-12 Amine acids and protein in brain structure and function (animals)
- R01NS-04119-11 Plasticity of synaptic mechanisms (cats)
- R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- R01NS-04270-12 Molecular neurobiology—Proteins of the nervous system (rodents, snakes)
- ** R01NS-04454-11 Cystathionine metabolism in brain (monkeys)
- M P01NS-04553-10 Neuropharmacology and neurochemistry program research
- P01NS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)
- P01NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
- P01NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)
- P01NS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
- ** P01NS-04553-10 0005 Neuropharmacology and neurochemistry program research - Neuropharmacology of psychotropic agents and biochemical effects (animals)
- P01NS-04553-10 0006 Neuropharmacology and neurochemistry program research - Biochemical pharmacology of CNS muscle and other tissues (animals)
- ** P01NS-04553-10 0007 Neuropharmacology and neurochemistry program research - Endocrine-central nervous system interrelations (rats)
- P01NS-04553-10 0008 Neuropharmacology and neurochemistry program research - Electrolyte and acid-base metabolism (rats)
- R01NS-04656-11 Protein synthesizing machinery (frogs)
- ** R01NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- ** R01NS-04834-11 Nervous system gangliosides (human, fish, chickens, rabbits)
- R01NS-04928-10 Cerebral metabolism during repetitive seizures (primates)
- R01NS-04988-11 Cholinergic receptor activation and desensitization (frogs)
- R01NS-05024-10 Spinal fluid proteins and blood CSF barrier (cats)
- ** R01NS-05159-11 Metabolism of inositol and inositides (rats)
- R01NS-05270-11 Fractionation of brain proteins (cattle, rabbits, octopus)
- R01NS-05424-10 Energy-utilizing process in the CNS (guinea pigs)
- R01NS-05430-09 Changes in brain microsomal structure and composition (rats, rabbits, fish)
- R01NS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
- R01NS-05509-10 Studies of neural lysosomes (human, rats)
- R01NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- R01NS-05666-10 Schemoreceptor activity of carotid body (frogs, crayfishes)
- R01NS-05811-10 Peripheral neuropathy in man
- ** R01NS-05961-09 Metabolism of the brain (dogs)
- ** R01NS-06011-09 Lipids of the central nervous system (human, cattle, rats)
- R01NS-06239-09 Chemical cytology and pathology of nervous tissue (fish, bullfrogs)
- R01NS-06277-09 Electron microscopy of myopathies (human, rats)
- R01NS-06294-07 Cerebral enzymes in normal and convulsive states (rats, rabbits)
- ** R01NS-06370-08 Chemistry of glycolipids (frogs, human, rats)
- ** R01NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
- P01NS-06663-08 0022 Cerebrovascular clinical research center - Nerve chemical changes in cerebral ischemia (rabbits)
- ** R01NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
- R01NS-06756-07 Developmental nervous disorders—Krabbe's disease (dogs)
- R01NS-06782-07 Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats)
- R01NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
- M P01NS-06827-08 Integrated approaches to neurobiological problems
- P01NS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)

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(contd)

- ROINS-06911-07 Brain catecholamines in defense reaction (rats, cats)
- ROINS-06938-09 Metabolic diseases of the brain (human, rats)
- ROINS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
- ** ROINS-07065-08 Properties of isolated acetylcholine receptor (electric fish)
- ROINS-07080-08 Gene expression in nervous tissue (rats)
- ROINS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
- ROINS-07156-09 Enzyme theory and relationship to function (mice)
- ROINS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
- ROINS-07441-03 Morphological and enzymatic studies of neurogenesis (chick embryo, rats)
- ROINS-07457-08 Brain function and the metabolism of macromolecules (mice)
- ROINS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
- POINS-07512-06 0018 Neuronal development, interaction and organization - Chemical transmission at a vertebrate central synapse (fish)
- POINS-07512-06 0028 Neuronal development, interaction and organization - Interactions between neural and endocrine integrative centers (insects)
- ROINS-07540-07 Sympathetic ganglia following conditioning (frogs)
- ** ROINS-07657-07 Coenzyme binding and nervous disorders
- ROINS-07685-06 Vestibular control of sensory mechanisms (cats)
- ROINS-07701-08 Genetically-determined neurological diseases (human, dogs, rabbits)
- ROINS-07838-06 Pathophysiology of cerebral hypoxia (human, animals)
- ** ROINS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- ROINS-07869-09 Regulation of cerebral protein synthesis (rats)
- ** ROINS-07872-08 Biochemical studies of synapse membrane (rats, chickens)
- ** ROINS-07918-06 Cations and brain glycolytic enzymes (human)
- POINS-07938-06 0001 Peripheral and central nervous system - Chemoreceptors (cats, frogs)
- ** ROINS-08048-04 Comparative studies on mammalian nervous system (monkeys)
- ** ROINS-08106-06 Human brain sterols in aging and disease (and rats)
- ROINS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)
- ** ROINS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
- ROINS-08185-06 Cerebral edema with protein markers (mice)
- ROINS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
- ROINS-08278-06 Structure, metabolism and function of myelin proteins (animals)
- ROINS-08291-04 Myelin biosynthesis and turnover (human, mice)
- ROINS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
- ROINS-08436-04 Metabolic regulation in glioma cells (rats)
- ROINS-08440-06 Metabolic basis of neural function (animals)
- ROINS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
- ** ROINS-08528-06 Brain metabolism and systemic disease (rats, mice)
- ROINS-08597-06 Synaptic membrane structure and function (rats)
- ** ROINS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- ROINS-08674-05 Choline and acetylcholine transport and metabolism (mice)
- ROINS-08682-06 Molecular basis of cerebral degeneration (human)
- ROINS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
- M POINS-08711-04 Fundamental studies relating to multiple sclerosis
- ** ROINS-08719-06 Biochemical studies of myelination (human, cats, rats)
- ** ROINS-08735-06 Enzyme histochemistry of axon injury (cats)
- ROINS-08740-08 Electrochemistry-EPR of biological electron transfer
- ** ROINS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
- ROINS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)
- ROINS-08862-05 Metabolism of cells and parts of cells in nervous tissue (mammals)
- ROINS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
- ROINS-08909-04 Regional CNS uptake of amino acids (mice)
- ROINS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
- ROINS-08989-12 Brain function during altitude acclimatization (rats)
- ROINS-09003-05 Structure, function, and assembly of nerve membranes (rats)
- ROINS-09015-05 Growth of axons in development of the nervous system (rats, cats)
- ROINS-09082-03 Studies of neural proteins (rats)
- ROINS-09131-04 Molecular processes in memory storage (mice)
- ROINS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- ** ROINS-09161-18 Biochemistry of neural development (insects)
- ROINS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
- ** POINS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)
- ROINS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)
- ROINS-09228-02 Isolation of proteins from synaptic membranes (rabbits, cats)
- ROINS-09264-03 Relation of protein synthesis to neuronal function (rabbits)
- ROINS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
- ROINS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
- ** ROINS-09338-04 Chemistry of plastic changes in neurons (Aplysia)
- ROINS-09348-04 Glycoproteins in brain (rats, rabbits)
- ROINS-09361-04 Plasticity of the simplest neuronal pathways (animals)
- ROINS-09378-04 Neurological mutants (mice)
- ** ROINS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
- ROINS-09420-04 Long-term nerve-muscle interactions (rats)
- ROINS-09471-02 Folic acid deficiency and brain development (mice, rats)
- ** ROINS-09603-04 The biochemical effects of sensory deprivation (chicks)
- ** ROINS-09608-05 Biochemical aspects of nerve function (rats)
- ROINS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
- ROINS-09625-03 Brain ribosomes and brain protein synthesis in epilepsy (rats)
- ROINS-09632-03 Transmitter release in a central nervous system (sea lamprey)
- ROINS-09639-04 Enzyme systems in the brain (cattle, human)
- ** ROINS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
- ROINS-09666-02 The secretion of the cerebrospinal fluid (frog)
- POINS-09704-04 0031 Developmental neurology - Development of neutral amino acid transport
- POINS-09704-04 0034 Developmental neurology - Neutral amine acid uptake in brain and choroid plexus
- ** ROINS-09733-04 Biochemical characterization of habituation (protozoa)
- ROINS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)
- ROINS-09760-04 Studies in aging of the brain (human)
- ROINS-09800-03 Regulation of ACTH-Role of neural inhibition (rats)
- ROINS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
- ROINS-09885-02 Transmitted release and metabolism by 3H-DNFB assay (frogs)
- ROINS-09909-03 Ether and ketone containing lipids during brain development (rats)
- ROINS-09915-03 Hormone influence on brain function and malfunction (human, primates)
- ROINS-09937-12 Neurosciences research program
- ROINS-09944-03 Biochemistry of the developing brain (mice)
- ROINS-09948-03 Transport of materials by the choroid plexus (cats, rabbits)
- ROINS-09955-03 Biochemical studies in identified neurons (Aplysia)
- ROINS-10108-03 Brain phosphoinositides-Relevance to prostaglandins (human)
- ROINS-10118-03 Biochemistry of CNS development of thyroid insufficiency (rats)
- ROINS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
- ROINS-10161-04 Individual neurons in a single nervous system (leeches)
- ** ROINS-10221-02 Biochemical aspects of myelination (rats, mice)
- ROINS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- ROINS-10259-03 Regulation of neuronal growth and development (mice, rats)
- ** ROINS-10268-03 Chemistry and physiology of inner ear fluids (human, cats, dogs)
- ROINS-10294-03 Neurochemistry and kinetics of synaptic transmission
- ROINS-10326-02 Cytochemical investigations of adrenergic neurons (monkeys, rats)
- ROINS-10338-03 Ganglionic synaptic transmission (birds)
- ROINS-10344-01 Myelin constituents in murine leucodystrophy (mice)
- ROINS-10391-01 Effects of L-dopa on brain serotonin (mice)
- ROINS-10427-02 Structure and biochemistry of cerebellum (mice)
- ROINS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
- ROINS-10465-01 Comparison of myelin and oligodendrocyte membrane (rats, cattle)
- ROINS-10478-02 Convulsive states and brain monoamine metabolism (cats)
- ** ROINS-10490-01 Metabolism of cAMP in brain (human)
- ROINS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
- ROINS-10541-03 Biochemistry of lipids of brain and other tissues (rats)
- ROINS-10578-01 Regulation of enzyme development in neurons (rats)
- ** ROINS-10600-02 Role of pineal organ in brain function (fish)
- ROINS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
- ROINS-10613-01 Neuronal cell specificity of glycolipid patterns (mice)
- ** ROINS-10614-02 Neurochemistry of ganglion in culture (lobsters)
- ROINS-10677-02 Cholinomimetic compounds in digestive gland (mollusks)
- ROINS-10711-02 Genetic study of metabolism of neural transmitters (human, mice)
- POINS-10727-02 0002 The pathologies of sleep-A clinical program - Experimental studies in animals (cats)
- ROINS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
- ROINS-10777-02 Development of brain monoamines and seizures (mice, rats)
- ROINS-10802-01 Hydroxylation of long chain fatty acids of brain (rats)
- ROINS-10821-02 Chemistry and metabolism of CNS myelin-free axons (cattle, rat)
- ** POINS-10828-01 0005 An interdepartmental stroke program - Neurochemical changes accompanying alterations in cerebral circulation (animals)
- ROINS-10832-01 Trophic interactions at synapses (chickens)
- ROINS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
- ROINS-10883-01 Transmitter release at the nerve-muscle junction (frogs)
- ** ROINS-10885-02 Chemical pathology of neurological disorders (human, dogs)
- ROINS-10921-01 Sleep, hypnotics and brain monoamine metabolism (cats)
- ROINS-10943-02 Neuronal specificity in the hippocampus (rats)
- ROINS-10968-01 The role of cyclic GMP in nervous tissue (animals)
- ROINS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
- ** ROINS-10976-01 Neurochemistry of brain ischemia (rabbits)
- POINS-10981-02 0002 Control of activity in excitable tissues - Studies on gating phenomena in nerve (squid, crayfish)
- ROINS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
- ** ROINS-11061-01 Regulation of adrenergic metabolism (rats)
- ROINS-11087-01 Purified choline acetyltransferase (guinea pig)
- ROINS-11119-01 Sphingolipid metabolism in selected human tissues (human)
- POINS-11132-01 0007 Neural basis of effects produced by spinal cord damage - Isolation and characterization of plasma membranes from motoneurons (cattle)
- ** ROINS-11137-02 Neurochemical correlates of experimental crutininism (rats)
- ROINS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
- ROINS-11190-01 Histochemical studies of neural influences (rabbits)
- ROINS-11252-01 Function of a brain calcium-binding protein (rats, mice)
- M POINS-11255-01 Comparative neurobiology (Aplysia, fish, sea lions)
- ROINS-11310-01 Neurotransmitter biosynthesis (cattle)
- ROINS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
- ROINS-11364-02 Cytological localization of serotonin (rabbits, chicks)
- ROINS-11386-01 Experimental neuropathies-Correlative studies (cat)
- ROINS-11441-01 Neural basis of epileptiform activity (rats, rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** ROINS-11456-02 Axonal glycoproteins and glycosaminoglycans (goldfish garfish)
 ** ROINS-11481-01 Neurotropic influences on developing muscle
 ROINS-11484-01 Effect of seizure upon energy metabolism of brain (rats)
 ** ROINS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
 ROINS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)
 ROINS-11519-01 The regulation of neuronal protein synthesis (aphysia)
 ROINS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
 ROINS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
 ** ROINS-11588-01 Bio-assay of nerve trophic substances
 ** ROINS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
 ROINS-11623-01 Neurochemistry and basal ganglia diseases (human)
 POINS-11631-01 0050 Clinical center for research on Parkinson's and allied diseases - Analysis of effects of 6-OH dopamine into the mesencephalic tegmentum (cats)
 POINS-11631-01 0058 Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline
 ROINS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
 ROINS-11641-19 Biological effects of steroids (mice, rats, monkeys)
 ** ROINS-11652-01 Calcium-binding protein in nervous tissue (pigs, rats)
 ROINS-11716-01 The physiological role of piperidine in CNS (snails)
 ROINS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
 ** ROINS-11773-01 Regulation of glycolysis in brain (rats)
 ROINS-11824-01 Amino acids and protein in brain structure and function (animals)
 ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
 ROINS-12047-04 0001 Role of lipids and lipoproteins in membranes - Brain polyphosphoinositides (rats)
 ROINS-12066-01 Biochemical studies in identified neurons (aphysia)
 ROINS-12113-01 Pentose phosphate pathway in neural tissue (rats)
 P07RR-00015-12 0012 Medical school computer facility - Simulation of complex biochemical systems (rats)

NEUROCHEMISTRY OF LEARNING, MEMORY, BEHAVIOR

SEE PSYCHOLOGY, LEARNING, BIOCHEMISTRY

NEUROEFFECTORS

SEE NERVOUS SYSTEM, NEUROEFFECTORS

NEUROENDOCRINE SYSTEMS

SEE ALSO ADRENAL MEDULLA
 SEE ALSO BRAIN, THALAMENCEPHALON, PINEAL BODY
 SEE ALSO ENDOCRINOLOGY INVERTEBRATE
 SEE ALSO NERVOUS SYSTEM, PARAGANGLIA
 SEE ALSO NEUROHORMONES
 SEE ALSO PITUITARY-DIENKEPHALON (HORMONES)
 SEE ALSO PITUITARY GLAND, MEDIAN EMINENCE
 SEE ALSO PITUITARY GLAND, NEUROHYPOPHYSIS
 SEE ALSO PITUITARY GLAND CAUDAL, UROPHYSIS

** ROIAM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
 ** ROIAM-01447-19 Neuroendocrine and thyroid physiology (rats)
 ROIAM-03539-15 Endocrine regulation-Comparative studies (frogs, crustaceans)
 ROIAM-03984-17 Neuroendocrine relationships in insects
 ROIAM-04784-14 Control of secretion of hypothalamic hormones
 ROIAM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
 M POIAM-06704-12 Neural and humoral control of endocrine function
 ROIAM-08469-11 Hereditary diabetes insipidus (mice)
 ** ROIAM-08547-08 Neural control of ACTH release (human, rats)
 ** ROIAM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
 ROIAM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
 ** ROIAM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
 ** ROIAM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
 ROIAM-12829-06 Regulation of insulin secretion (human, dogs)
 ** ROIAM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)
 ROIAM-14997-04 Thyrotropin releasing factor secretion and actions (human, rats)
 ROIAM-16794-02 Neural regulation and anterior pituitary (rats)
 ** ROIAM-16879-01 Neuro-endocrine studies in cell culture system (mice)

** P17AM-17046-01 0006 Diabetes endocrinology center - CNS effects on insulin and glucagon secretion (human)
 ** P17AM-17047-01 0002 Diabetes endocrinology research center - Physiological studies in the baboon
 ROIAM-17266-01 Gellar and retardation in Ecuador and Peru (human)
 ROIAM-17334-02 Release of NMG, HPRL, MLH and NFSH in sleep-wake cycles (human)
 ROIAM-17454-01 Hormone metabolizing and binding proteins (human)
 ROIAM-17679-01 Analysis of glucocorticoid system functions (rats, dogs)
 ** ROICA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
 ** ROICA-11982-04 Influence of central nervous system on oncogenesis (rats)
 ** ROICA-15574-01 Hypothalamic-pituitary function and mammary neoplasia
 ROIDA-00135-03 THC and LSD-Residual effects on social behavior (monkeys)
 ** ROIDA-01006-01 Narcotic addiction and neuroendocrine function (cats, rats)
 P10CS-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)
 ROIES-00814-05 Mode of action of insecticides (American cockroach, flies)
 ROIES-00819-01 Perinatal manipulation of neuroendocrine development (women, rats)
 P11GM-12675-10 0056 Biochemical toxicology and pharmacology - Effects of drugs on hypothalamic control of gonadotropin release
 ROIGM-15289-07 Electron microscopy of cells having cycles (human, primates, mammals)
 POIGM-15991-06 0048 Anesthesia research center - Pulmonary oxygen toxicity (monkeys, dogs, rats)
 ** POIGM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
 POIGM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
 ** ROIGM-21420-01 Cyclic AMP regulation (human, mammals nonhuman, birds)
 ** ROIHD-00867-12 Hormonal and neural correlates of reproductive behavior (rats, hamsters)
 ** ROIHD-01182-12 Ovarian-hypothalamic-hypophysial axis (rats)
 ** POIHD-01799-09 0054 Mental retardation research center - Neuroendocrine studies of normal and high risk infants
 ** ROIHD-02138-12 Central nervous system regulation of reproduction (rats)
 M POIHD-02881-07 Developmental and behavioral neuroendocrinology
 ROIHD-03159-07 Hypophysial response to estrogens and progestins (human, monkeys, cattle, rats)
 M POIHD-03352-07 Wisconsin center on mental retardation
 ** POIHD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophysial-gonadal axis (rats, human)
 ROIHD-03968-14 Reproductive physiology in the Rhesus monkey
 ** POIHD-04147-06 0008 Research in mental retardation - Neuroendocrinology
 ROIHD-04358-15 Neural and hormonal regulation of lactation (rats)
 ** ROIHD-04364-12 A developmental study of the stress response (rats)
 ROIHD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
 ROIHD-04482-05 Endocrine factors in social behavior (doves)
 ROIHD-04484-04 Endocrine and neural bases of behavior (rats)
 ROIHD-04522-05 Biopsychology of reproduction (rats)
 ** POIHD-04583-06 0020 Mental retardation research center - Indoleamine metabolism and function in the pineal (rats)
 ** POIHD-04583-06 0022 Mental retardation research center - Synaptic architecture in the brain (rats)
 ** POIHD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)
 ** ROIHD-05114-03 CNS control of gonadotrophin and prolactin secretion (sheep, rats)
 ROIHD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
 ** POIHD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
 ** ROIHD-06527-02 Control of testicular function (birds)
 ** ROIHD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
 ** ROIHD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)
 ROIHD-06672-03 Alterations in the mechanism of estrogen action (rats)
 ROIHD-06760-03 Neural control of sexual behavior in the rat
 ** ROIHD-06761-03 Serotonergic mechanisms in inhibition of ovulation (rats)
 ROIHD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)

** ROIHD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
 ROIHD-06950-01 Estroreceptive and neuroendocrine regulation of ovulation (baboon, rat)
 ROIHD-07049-01 Hormones in sexual differentiation and behavior (rats, mice)
 ** POIHD-07110-02 0031 Biomedical center for population research - Pup attracting pheromones of lactating rats
 ** ROIHD-07336-01 Lepidopteran reproductive neuroendocrinology
 POIHD-07495-02 0027 Center for population research, studies in reproductive biology - Progesterone interactions with brain neurons
 ROIHD-07499-01 Neuroendocrine control of LH release in the hamster
 ** ROIHD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
 ** ROIHD-07602-02 Neural influence on hypophysial-gonadal function (monkeys, rats)
 M POIHD-07640-01 Program project in reproductive biology
 ROIHD-07711-01 Extra-ovarian control of gonadotropin secretion (rats)
 ** ROIHD-07722-01 Neural regulation of prolactin secretion in the rat
 ROIHD-07749-02 Neuroelectric correlates of gonadotropin release (rats)
 ROIHD-07844-02 Cytology of thyroxine-induced strobilation (jelly fish)
 ** ROIHD-07916-01 Neuroendocrine correlates of gonadotropin secretion (rats)
 ROIHD-07923-02 0001 Steroid hormone metabolism - Brain aromatization (sub-human mammals)
 ** ROIHD-07926-01 Human fetal neuroendocrinology
 ** ROIHD-08279-01 Effects of aging on the CNS-Pituitary gonadal axis (rats)
 ** ROIHD-08281-01 Neuroendocrine regulation of reproductive behavior (rats)
 ROIHD-08389-01 Neuroendocrine control of pituitary hormone secretion (rats)
 ** POIHD-08672-01 An organ communication system for initiation of labor (human, rabbits)
 ROIHD-08924-01 Role of brain monoamines in gonadotropin release (rats)
 ** POIHL-08682-11 0007 Regulation of the cardiovascular system - Neural and vascular feedbacks in endocrinology (rats)
 P17HL-14141-04 0006 SCOR for atherosclerosis in childhood - Effect of stress upon plasma lipids in childhood
 ** ROIMH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
 ROIMH-04954-13 Limbic system lesions and brain neurohumors (rats, rabbits)
 ** ROIMH-13279-08 Neuroendocrine mechanisms in behavior (rats)
 ** ROIMH-15455-06 Viscero-endocrine responses to amygdala activity (monkeys)
 ** ROIMH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
 ROIMH-21178-03 Physiological aspects of mating behavior (rats)
 M ROIMH-21312-03 Endocrinological determinants of behavior
 ** ROIMH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
 ** ROIMH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone
 ROIMH-21312-03 0024 Endocrinological determinants of behavior - Stimulation of RNA synthesis by estradiol benzoate in spayed guinea pigs
 ** RO3MH-24619-01 Chemosensory mechanisms of behavioral modulation (lobsters)
 ** ROINS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
 ** ROINS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
 M POINS-04553-10 Neuropharmacology and neurochemistry program research
 ** POINS-04553-10 0007 Neuropharmacology and neurochemistry program research - Endocrine-central nervous system interrelations (rats)
 ROINS-04677-12 Central mechanism in diurnal rhythm regulation (rats)
 ROINS-05638-10 Central neural regulation of body fluids (animals)
 ** ROINS-06537-08 Neurophysiological study of neuroendocrine activity (rats, frogs)
 ROINS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
 ROINS-07080-08 Gene expression in nervous tissue (rats)
 M POINS-07512-06 Neuronal development, interaction and organization
 ** POINS-07512-06 0028 Neuronal development, interaction and organization - Interactions between neural and endocrine integrative centers (insects)
 ROINS-07687-07 Hunger, thirst and water metabolism (rabbits)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont)

- ** ROINS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
- ** ROINS-08677-06 Light-Neural control endocrine function (rats, monkeys)
- ** ROINS-08989-12 Brain function during altitude acclimatization (rats)
- ROINS-09137-05 Stimulus-secretion coupling and chromaffin cells (rodents, cats)
- ROINS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)
- ROINS-09378-04 Neurological mutants (mice)
- ** ROINS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)
- ** ROINS-09914-03 Phylogeny and ontogeny of hormone neurons in brain (animals)
- M ROINS-10027-03 Neuroendocrine and behavioral correlates of aging
- ** ROINS-10434-03 Neurohumoral events in cells ending in median eminence (rats)
- ROINS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
- ROINS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
- ** ROINS-10973-02 Anatomy and physiology of cerebellar pathways (animals)
- ROINS-11010-01 Neurobiology of insect development and metamorphosis (lepidoptera)
- ROINS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
- ** ROINS-11149-01 Regulatory physiology and biochemistry in nerve cells (Aplysia)
- ** ROINS-11163-01 Physiology of a neuroendocrine system
- ROINS-11522-01 Neural-corticosteroid interaction and brain function (cats, rats)
- M POINS-11642-01 Basic and clinical neuroendocrinology
- ** POINS-11642-01 0001 Basic and clinical neuroendocrinology - Drug-induced alterations in neuroendocrine function (rats)
- ** POINS-11642-01 0003 Basic and clinical neuroendocrinology - Human fetal neuroendocrinology (rats)
- ** POINS-11642-01 0004 Basic and clinical neuroendocrinology - Cytoarchitectonics in the developing endocrine hypothalamus (rats)
- ** POINS-11642-01 0005 Basic and clinical neuroendocrinology - Ventricular system in neuroendocrine processes (cats, monkeys, rats, guinea pigs)
- ** POINS-11642-01 0007 Basic and clinical neuroendocrinology - Monosodium glutamate induced lesion of the arcuate nucleus
- POINS-11642-01 0008 Basic and clinical neuroendocrinology - Cellular mechanisms of hormone action in the hypothalamus (rats)
- POINS-11642-01 0009 Basic and clinical neuroendocrinology - Ultrastructural localization of neural hormones
- POINS-11642-01 0010 Basic and clinical neuroendocrinology - Fine structural correlates of pineal gland function (hamsters)
- ** POINS-11642-01 0011 Basic and clinical neuroendocrinology - Monoamine distribution and neuroendocrine function (animals)
- POINS-11642-01 0014 Basic and clinical neuroendocrinology - Pituitary function and nervous system
- ** ROINS-11936-01 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)
- ** ROIGH-00331-05 The sleep-waking cycle and its neuroendocrine correlates (human)
- ** MOIRR-00053-13 0029 Clinical research center - The sleep-wake cycle and its neuro-endocrine correlates (human)
- MOIRR-00053-13 0034 Clinical research center - Effect of progressive shortening of sleep time (human)
- MOIRR-00128-10 0003 General clinical research center for children - Neuroendocrine function
- NEUROFIBRILS**
SEE NERVOUS SYSTEM, NEURONS, NEUROFIBRILS
- NEUROFIBROMA**
SEE NERVOUS NEOPLASMS, NEUROFIBROMA
- NEUROGENESIS**
SEE NERVOUS SYSTEM, NEUROGENESIS
- NEUROGENIC BLADDER**
SEE URINARY TRACT DISORDERS, URINARY BLADDER NEUROGENIC
- NEUROGLIA**
SEE NERVOUS SYSTEM, NEUROGLIA
- NEUROHORMONES**
SEE ALSO ADRENAL MEDULLA HORMONES
SEE ALSO ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES
SEE ALSO NERVE GROWTH FACTOR
SEE ALSO NEUROHUMORS (GENERAL)
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, DIENCEPHALON HORMONES
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, NEUROHYPOPHYSICAL HORMONES
- RO1AA-01066-01 Physical dependence on alcohol (mice)
- ** RO1AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
- ** RO1AM-10073-09 Neurohumoral control of the anterior pituitary (rats)
- RO1AM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- RO1AM-17454-01 Hormone metabolizing and binding proteins (human)
- RO1CA-13777-02 Potential of ergot alkaloids in control of breast cancer (mice, rats)
- ** RO1GM-21420-01 Cyclic AMP regulation (human, mammals nonhuman, birds)
- ** PO1HD-04583-06 0019 Mental retardation research center - Organization of monoamine neuron systems (rats)
- ** RO1HD-05794-04 Somatotropic metabolism and lactotrope metabolism (human, rats)
- RO1HD-07844-02 Cytology of thyroxine-induced strobilation (jelly fish)
- RO1HL-03429-15 Central nervous system and coronary heart disease (human)
- RO1HL-04801-14 Cardiac conduction and cardiac contraction (dogs)
- RO1HL-09283-10 Pharmacology of molluscan hearts
- ** RO1HL-10897-09 Effects of hormones on cardiac electrogenesis (rabbits, guinea pigs)
- RO1HM-02271-17 Psychological studies of behavior (ring doves)
- RO1MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
- RO1MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- RO1MH-23464-02 Biochemistry of psychopharmacological agents (liver flukes, lobsters, mammals)
- M RO1MH-25133-02 Steroid hormones in depressive illness
- ** RO3MH-25384-01 Hormonal influences on time-dependent memory processes (rats)
- ** ROINS-02606-15 Neurosecretion and endocrine physiology (crustaceans)
- ** ROINS-05716-10 Cyclic 3,5-AMP in action of neurohormones (rabbits, guinea pigs)
- ** POINS-06890-07 0016 Sensory processes - Neurohormones release role of sensory input (crab)
- ROINS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
- ** ROINS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)
- ROINS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
- ** ROINS-09855-03 Biochemical studies in identified neurons (Aplysia)
- ROINS-10161-04 Individual neurons in a single nervous system (leeches)
- ROINS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
- ** ROINS-11831-01 Control mechanisms in regeneration and polarity (annelids)
- ** ROINS-12066-01 Biochemical studies in identified neurons (Aplysia)
- NEUROHUMORS (GENERAL)**
SEE ALSO ADRENAL MEDULLA HORMONES
SEE ALSO AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID
SEE ALSO BENZOPYRROLES, SEROTONIN
SEE ALSO CHOLINE, ACETYLCHOLINE
SEE ALSO IMIDAZOLES, HISTAMINE
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, AUTONOMIC AGENTS
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, DOPAMINE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
- RO1AA-00193-02 An approach to the action of alcohol in the CNS (squid, rats)
- RO1AA-00322-01 Ethanol-intracellular effects on in vitro (CNS) (mice)
- ** RO1AA-00368-01 Alcohol dependence-Synaptic neurotransmitter uptake
- ** RO1AA-00498-03 0011 Clinical studies of alcohol use and abuse - Biogenic amines and alcohol (human, mice)
- RO1AA-01236-01 Carry-over of tolerance and dependence in alcoholics
- RO3AA-01254-01 Neurochemical activity of tetrahydroisoquinolines (rats)
- RO1AM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)
- RO1AM-02372-16 Neurohumoral mechanisms influencing gastric function (monkeys, dogs, minipigs)
- ** RO1AM-03984-17 Neuroendocrine relationships in insects
- ** RO1AM-09094-09 Physiology of hypothalamic neurohumors (rabbits, rats)
- PO1AM-09976-09 0001 Renal disease - A humoral inhibitor of sodium transport in uremia (human, rats, animals)
- RO1AM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- RO1AM-11242-08 Regulation of lower esophageal sphincter (opossum)
- ** RO1AM-13131-07 Control of pancreatic protein synthesis and secretion (pigeons, rats)
- RO1AM-13252-05 Role of nutrition in regulation of food intake (rats)
- ** RO1AM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)
- RO1AM-14228-05 Control of aromatic amine acid utilization in mammals (rodents, human)
- RO1AM-15776-01 Neural pathways involved with ACTH secretion (rats)
- RO1AM-16420-01 Adrenergic pharmacology and thyroxine metabolism (mammals)
- RO1AM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)
- RO1AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
- ** RO1AM-17238-01 Gastrins, neurotransmitters and antral smooth muscle (human, mammals)
- RO1DA-00007-04 Hallucinogenic and narcotic drug immune systems
- RO1DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- ** RO1DA-00111-02 Chronic THC-Effects of brain development (mice)
- RO1DA-00114-03 Effect of narcotic agents on brain metabolism (rats)
- RO1DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
- RO1DA-00139-03 Experimental drug abuse (monkeys)
- ** PO1DA-00250-03 0001 Research center-Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of drugs of abuse-Psychotomimetics
- ** PO1DA-00250-03 0003 Research center-Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of psychomotor stimulants (monkeys)
- ** PO1DA-00250-03 0007 Research center-Studies of drug dependence and abuse - Audiogenic seizure susceptibility and psychoactive compounds (animals)
- ** PO1DA-00254-03 0003 Drug abuse basic research center - Effects of drugs on synthesis of neuro-humoral transmitters (monkeys)
- ** PO1DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man
- PO1DA-00257-03 0002 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in experimental animals
- ** PO1DA-00257-03 0003 Center for behavioral studies in addictions - Biogenic amines and relationship to addiction process and treatment (human, rats)
- ** PO1DA-00259-03 0001 Drug abuse research center - Biogenic amines-Relation to tolerance and dependence on narcotics (rats)
- ** PO1DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
- PO1DA-00266-03 0001 Johns Hopkins drug abuse research center - Amphetamine, brain catecholamines and opiate receptors (rats, guinea pigs)
- RO1DA-00289-02 Mechanism of narcotic action tolerance and dependence
- RO1DA-00319-01 ACh turnover-Role in morphine and amphetamine activity (rats)
- RO1DA-00351-02 Mechanisms of narcotic tolerance and dependence (guinea pigs, rats, dogs, mice)
- RO1DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
- RO1DA-00755-01 Chronic pentobarbital or methadone-CNS biochemistry (rats)
- RO1DA-00830-01 Cholinergic mechanisms in narcotic dependence (rats, monkey)
- ** RO1DA-00869-01 Drug abuse and regulatory enzymes of biogenic amines
- RO1DA-00972-01 Biochemical mechanism in drug addiction (mice, guinea pig)
- RO3DA-00993-01 Morphine-Direct effects on neurons (rats)
- RO1DA-01035-01 Neuro-psychopharmacology of methaqualone (human)
- RO1DA-01044-01 Neuro-behavioral mechanisms of drug addiction (rats)
- ** RO1DA-01095-01 Kinetics of heroin, morphine and biogenic amines
- PO1ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
- ** RO1ES-01077-09 Synthesis and localization of biogenic amines in brain (rats)
- RO1EY-00056-05 Pathogenesis of altered ocular vascular permeability (rabbits)
- RO1EY-00258-11 Cytology and physiology of the retina (animals)
- ** RO1EY-00863-03 Neurohumoral control of intraocular pressure (rabbits)
- ** RO1EY-01188-02 Neural mechanisms in processing visual information (barnacles)
- ** RO1EY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
- ** PO1GM-09069-12 0090 Research in anesthesiology - Turnover of biogenic amines in central nervous system (human)
- ** PO1GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macaca, mice)
- ** PO1GM-15253-08 0032 Genetics in medicine-Gene action in man - Pharmacogenetics of nervous system pathways (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** P11GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monamines (human)

** P11GM-15477-08 0020 Drug metabolism and biochemical pharmacology - Brain 5-hydroxytryptamine turnover rate and tolerance (mice)

** P01GM-16492-06 0020 Design of chemotherapeutic agents - Neurotransmitters in Schistosoma and intermediate host, Biomphalaria glabrata

R01GM-16611-06 Photorearrangements of bicyclic ketones

R01GM-19716-01 Thermoregulation (chickens)

R01GM-19851-02 Genetic control of development (nematodes)

** R01GM-21420-01 Cyclic AMP regulation (human, mammals nonhuman, birds)

R01HD-02138-12 Central nervous system regulation of reproduction (rats)

P01HD-03008-07 0030 Cognition and motivation in the retarded - Biology and competence

P01HD-03110-07 0029 Child development and mental retardation - Neuropharmacology (rats)

** P01HD-04147-06 0008 Research in mental retardation - Neuroendocrinology

** R01HD-04364-12 A developmental study of the stress response (rats)

R01HD-04482-05 Endocrine factors in social behavior (deves)

P01HD-05342-04 0014 Mental retardation and brain development - Isolation of a calcium-binding protein from brain (swine, goats, electric fish)

** P01HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice

** P01HD-06276-03 0059 Mental retardation research program - Effects of false transmitters on behavior and brain chemistry (rats, rabbits)

R01HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)

** R01HD-07722-01 Neural regulation of prolactin secretion in the rat

R01HD-07916-01 Neuroendocrine correlates of gonadotropin secretion (rats)

R01HD-08129-01 Endocrine function of transplanted uterus and ovary (sheep)

R01HD-08362-01 Environmental stimulation, hormones and CNS development (rats)

R01HL-02644-18 Venomotor responses to circulatory alterations (human, dogs, hamsters)

R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)

P01HL-06285-14 0208 Cardiovascular-respiratory physiology and biochemistry - Composition, properties and turnover of pulmonary surfactant (human, animals)

** R01HL-06736-14 Biogenic-mechanical factors in microcirculation (rats, dogs)

P01HL-07762-12 0001 Cardiovascular control by neural and chemical systems - Experimental hemodynamics (dogs)

P01HL-08203-12 0002 Renal homotransplantation in man - Cardiac transplantation (human, dogs)

R01HL-10927-09 Fluid regulation-Volume control (dogs)

R01HL-13134-04 Mechanism of chemoreceptor discharge (cats)

P01HL-13330-05 0048 Mechanical circulatory support - Cardiac sympathetic involvement in myocardial infarction

P01HL-13330-05 0049 Mechanical circulatory support - Neural equivalents of angina pectoris

P17HL-14150-04 0001 Specialized center of research in hypertension - Humoral and neural control of vasomotor tone (human)

** R01HL-15580-02 Humoral control of pulmonary and systemic circulation (dogs)

** P01HL-16117-01 0006 Ion movements and membranes in cardiovascular control - Neuroreceptors and cellular excitation (fish)

R01HL-16328-02 Membrane electrical properties of vascular muscle (human, animals)

R01HL-16725-01 Physiological regulation of pulmonary surfactant (dogs)

R01HL-16805-01 Functional-ultrastructural study of microcirculation (bats)

R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)

R01HL-17328-01 Lung growth in vivo and in vitro - Hormonal influences (rats)

** R01MH-03225-15 Neurochemical correlates of behavior (rats, pigeons)

R10MH-03701-15 0007 Clinical new chemotherapeutic agent evaluation - Correlation of clinical with animal data (human, monkeys, cats)

** R01MH-04954-13 Limbic system lesions and brain neurohumors (rats, rabbits)

R01MH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)

P01MH-08618-10 0039 Biological studies of psychotic disorders - Guaiacol-O-methyltransferase (GOMT) (rats, mice)

P01MH-13002-06 0040 Clinical and laboratory studies of affective disorder - The neurochemistry of aging (rats)

** P01MH-13002-06 0047 Clinical and laboratory studies of affective disorder - Mass spectrometry-Low molecular weight substances in brain (human)

** R01MH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)

R01MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)

R01MH-14110-07 0019 Neural modulation and transmission - Isolated cortical slabs

R01MH-14520-06 Pharmacology of sleep-Long-term studies (human, rats)

M R01MH-15413-06 Psychopharmacology of biogenic amines in depression

R01MH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)

R01MH-15413-06 0008 Psychopharmacology of biogenic amines in depression - Clinical studies-Tricyclic antidepressants (human)

R01MH-15413-06 0009 Psychopharmacology of biogenic amines in depression - Clinical studies-Lithium salts and biogenic amine metabolism (human)

** R01MH-15413-06 0010 Psychopharmacology of biogenic amines in depression - Clinical studies-Electroconvulsive shock (human)

** R01MH-15413-06 0011 Psychopharmacology of biogenic amines in depression - Clinical studies-Changes in biogenic amine metabolism (human)

R01MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)

** R01MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)

P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)

** R01MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)

** R01MH-16598-06 Neuroembryology of behavior (birds, opossum)

P01MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues-Effect of cations (rats)

P01MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum

** P01MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum

** P01MH-16674-06 0009 A program of psychiatry-oriented biological research - Release of neurotransmitters from synaptosomes (rats)

P01MH-16674-06 0011 A program of psychiatry-oriented biological research - Metabolism of serotonin in rats with impaired hepatic function

** P01MH-16674-06 0012 A program of psychiatry-oriented biological research - False neurotransmitters in altered functioning of nervous system (rats)

** P01MH-16674-06 0013 A program of psychiatry-oriented biological research - Uptake and release of choline by nerve endings (rats)

** P01MH-16674-06 0014 A program of psychiatry-oriented biological research - Dihydroxytyramines in rat brain

P01MH-16674-06 0016 A program of psychiatry-oriented biological research - Serotonergic receptors of single molluscan neuron (land snail)

** P01MH-16674-06 0024 A program of psychiatry-oriented biological research - Clomiphen stimulation test of dopamine system in schizophrenics

R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)

R01MH-18038-05 Mechanistic study of biological transmethylation

R01MH-19734-04 Isoenzymes of monoamine oxidase in developing brain (human, chick embryo)

R01MH-20142-03 Mechanism of action of psychotomimetic drugs (rats, frogs)

R01MH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism

R01MH-20946-02 Psychoactive agents in the brain (rats)

R01MH-21090-03 Preclinical studies of rubidium in affective illness (dogs, primates)

** R01MH-21730-03 Role of metal chelates in biogenic amine activity

R01MH-21874-03 Brain specific MAO-Characterization and localization (monkeys)

R01MH-21978-03 Pharmacology of methylated norepinephrine derivatives (rats)

R01MH-22438-02 The GABA system in schizophrenia (Drosophila, mice, human)

R01MH-23433-02 Role of the amygdala in behavior-Unit studies (cats)

M R01MH-23645-02 Behavior-hormone changes in adolescence

** R01MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)

M P01MH-23861-02 Biogenic amines and behavior

** P01MH-23861-02 0002 Biogenic amines and behavior - Aromatic amino acids in formation of transmitters (rats, human)

** P01MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)

P01MH-23861-02 0005 Biogenic amines and behavior - Genetic regulation of biogenic amines (mice, human, cattle, rats)

P01MH-23861-02 0006 Biogenic amines and behavior - Analytical mass fragmentography-Indole derivatives in CNS (rats)

P01MH-23861-02 0019 Biogenic amines and behavior - Biogenic amines, sleep (cats)

P01MH-23861-02 0032 Biogenic amines and behavior - Cyclic AMP and behavior (mice)

** P01MH-23861-02 0033 Biogenic amines and behavior - Paranoid schizophrenia

R01MH-23879-02 Drugs and memory (rats, mice)

R01MH-23880-02 Behavioral effects of drugs in Macaca mulatta

** R01MH-24593-01 Neurohumoral determinants of sensitivity to LSD

R01MH-25116-01 MAO, DBH and ATPase in psychosis (human)

M R01MH-25133-02 Steroid hormones in depressive illness

** R03MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)

R03MH-25341-01 Effects of hypoxia on brain monoamines and behavior (rats)

R03MH-25352-01 Brain dysfunction, hyperactivity and lead exposure (rats)

R03MH-25408-01 Neurotransmitters affecting pituitary hormone release (rats)

R03MH-25946-01 Neurophysiological studies of mutant cerebellar cultures (mice)

M R01MH-26237-01 Biogenic amine and CNS phospholipid metabolism

** R01MH-26237-01 0001 Biogenic amine and CNS phospholipid metabolism - CNS phospholipids and biogenic amines, hormones and psychotropic drugs (rats)

** R01MH-26237-01 0002 Biogenic amine and CNS phospholipid metabolism - Biogenic amine subcellular and molecular effects on CNS phospholipid metabolism

** R01MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)

** R01MS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)

R01MS-03273-13 Studies on cell interconnections (rats, mice)

R01MS-03469-13 Neurological bases of feeding and drinking (rats)

R01MS-03743-13 Amino acids and related metabolites in the CNS (beads, rats, chicks)

R01MS-04655-12 Single unit activity and thermoregulation (rabbits)

R01MS-05611-10 Spinal synaptic transmission and biogenic amines (cats)

P01MS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)

** P01MS-06208-09 0018 Epilepsy research program - Brain amine and seizure activity (rats, mice)

** P01MS-06208-09 0025 Epilepsy research program - Brain monoamine turnover (children)

R01MS-06537-08 Neurophysiological study of neuroendocrine activity (rats, frogs)

R01MS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)

P01MS-06663-08 0016 Cerebrovascular clinical research center - Humoral responses of rabbit arterial smooth muscle

R01MS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)

** R01MS-06701-08 New methods for the study of amine transmitters (rodents, chickens)

P01MS-06779-06 0017 Cerebrovascular clinical research center - Pharmacology and biophysics of cerebral blood vessels (cats)

R01MS-07136-08 Relationship between brain proteins and lipids (rats, cattle)

R01MS-07275-07 Metabolism of biogenic amines (rats)

P01MS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)

** R01MS-07702-11 Chemistry and function in the central nervous system (rabbits)

R01MS-07872-08 Biochemical studies of synapse membrane (rats, chickens)

R01MS-07923-07 Nervous control of urinary bladder and large bowel (cats)

R01MS-08040-05 Neurophysiology of oculomotor-visual integration (cats)

R01MS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)

R01MS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)

R01MS-08443-06 Peripheral and central modulation of specific neurons (Aplysia)

** R01MS-09042-05 Presynaptic basis of neuromuscular transmission (rats)

R01MS-09051-05 Drugs on release of biogenic amines and behavior (rats)

M P01MS-09199-04 Effect of L-dopa on synthesis of amines in brain (human, animals)

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 **Oriented significantly to above subject
 M Grant has subprojects describing specific research aspects.

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(contd)

ROINS-09331-04 Cytology and function of adrenergic neurons in brain (toads)
 ROINS-09348-04 Glycoproteins in brain (rats, rabbits)
 ROINS-09361-04 Plasticity of the simplest neuronal pathways (animals)
 ROINS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
 ROINS-09418-03 Anatomic and physiologic correlation in the neuropil (crayfish)
 ** ROINS-09474-04 Integrative mechanisms in ganglia (decapods)
 ** ROINS-09632-03 Transmitter release in a central nervous system (sea lamprey)
 ROINS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
 ** POINS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
 ** POINS-09649-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)
 ** POINS-09649-04 0011 Research in parkinsonism - Functional interrelations of brain aminergic systems (rats, primates)
 ** POINS-09704-04 0033 Developmental neurology - Cerebral solute transport and blood-brain barriers
 ROINS-10108-03 Brain phospholipids—Relevance to prostaglandins (human)
 ROINS-10198-02 Structural analogs of S-adenosylmethionine
 ROINS-10270-01 Molecular pharmacological correlates of behavior (fish)
 ** ROINS-10320-02 Transmitter release by nerve terminals (frogs, crayfish)
 ** ROINS-10326-02 Cytochemical investigations of adrenergic neurons (monkeys, rats)
 ** ROINS-10434-03 Neurohumoral events in cells ending in median eminence (rats)
 ** ROINS-10478-02 Convulsive states and brain monoamine metabolism (cats)
 ROINS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
 ** ROINS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)
 ** ROINS-10597-02 Responses of thermosensitive cells to biogenic amines (rats, ground squirrels)
 ROINS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
 ROINS-10614-02 Neurochemistry of ganglion in culture (lobsters)
 ROINS-10622-02 Neuronal and glial glutamate decarboxylases (mice, calves)
 ** ROINS-10711-02 Genetic study of metabolism of neural transmitters (human, mice)
 ROINS-10712-02 Synthesis and biology of some analgesics
 ** ROINS-10921-01 Sleep, hypnotics and brain monoamine metabolism (cats)
 ROINS-10968-01 The role of cyclic GMP in nervous tissue (animals)
 ROINS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
 ROINS-11010-01 Neurobiology of insect development and metamorphosis (lepidoptera)
 M ROINS-11138-02 Chemical mechanism in corpus striatum and behavior
 ROINS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)
 ROINS-11170-02 Mechanism of action of peptide neurotransmitter model (Hydra)
 ROINS-11171-02 Mechanism of action of peptide neurotransmitter model (Hydra)
 ROINS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 M POINS-11255-01 Comparative neurobiology (aplysia, fish, sea lions)
 POINS-11255-01 0002 Comparative neurobiology (aplysia, fish, sea lions) - Neurobiology of reproduction in aplysia
 ** POINS-11255-01 0004 Comparative neurobiology (aplysia, fish, sea lions) - Function of biogenic amines with isotopically labelled derivatives
 ** ROINS-11264-01 Amino acids as neurotransmitters (cats)
 ** ROINS-11364-02 Cytological localization of serotonin (rabbits, chicks)
 ** ROINS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
 ROINS-11441-01 Neural basis of epileptiform activity (rats, rabbits)
 ROINS-11623-01 Neurochemistry and basal ganglia diseases (human)
 POINS-11631-01 0057 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine (mice, rats)
 ** POINS-11631-01 0065 Clinical center for research on Parkinson's and allied diseases - Development of antibodies to DOPA, dopamine, norepinephrine and serotonin (rabb)
 ** ROINS-11793-01 Neurotransmitter influence of neuroglia and gliosis (rats, rabbits)
 ROINS-12033-01 Behavior and physiological thermoregulation (rats)

ROINS-12038-01 Excitation contraction coupling in skeletal muscle (mytilus)
 ROINS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
 ROINS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
 ** ROINS-12075-01 Biochemical studies on monoamine containing neurons
 MOIRR-00080-12 0088 General clinical research center - Monoamines metabolism in juvenile Huntington's disease (human)
 ** MOIRR-00125-11 0220 General clinical research center - Neurotransmitters and hypothalamic-pituitary function in somatotropic deficiency
 ** MOIRR-00287-08 0006 General clinical research center - Variation of amines in nocturnal migraine (human)
 ** MOIRR-00350-08 0107 General clinical research center - Cerebral diaschisis—transneural pathogenesis and biochemical basis (human)

NEUROHYPOPHYSEAL HORMONES

SEE PITUITARY-DMENCEPHALON HORMONES, NEUROHYPOPHYSEAL HORMONES

NEUROHYPOPHYSIS

SEE PITUITARY GLAND, NEUROHYPOPHYSIS

NEUROLOGIC CORRELATES OF BEHAVIOR

SEE NEUROPSYCHOLOGY (GENERAL)*

NEUROLOGIC EXAMINATIONS*

SEE ALSO BRAIN ELECTRICAL ACTIVITY

SEE ALSO BRAIN MAPPING

SEE ALSO BRAIN VISUALIZATION*

SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*

SEE ALSO NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING

SEE ALSO NEUROMOTOR EXAMINATIONS*

SEE ALSO NEUROPSYCHOLOGICAL TESTS*

P17AM-17328-01 0004 Peptic ulcer center - Measurement of 'vagotone' in duodenal ulcer (dogs, human)

MOIAM-22200-04 Uremic polyneuropathy investigations (human)

** P01GM-14267-09 0013 Microelectronics laboratory for biomedical science - Neurosurgical monitoring

POIHO-04024-06 0008 Mental retardation research center - Developmental pediatrics

** POIHO-06276-03 0048 Mental retardation research program - Role of rectal biopsy in diagnosis of pediatric neurologic disorders

M P01MH-25515-01 Collaborative biological research on schizophrenia

** P01MH-25515-01 0016 Collaborative biological research on schizophrenia - Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys)

** P01MH-25515-01 0017 Collaborative biological research on schizophrenia - Thermoregulation as a test of hypothalamic dopamine activity in schizophrenics

ROIMH-25669-01 Neurophysiological studies in high risk children

** RO3MH-26047-01 Hemispheric specialization—Auditory evoked responses (uman)

** ROINS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies

POINS-09649-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)

ROINS-11551-01 Demyelination and the optic nerve (human)

NOINS-42333-00 Tomography in cerebrovascular disease (human)

** MOIRR-00075-11 0041 General clinical research center for children - Biochemical parameters of periodic CNS symptomatology

** MOIRR-00075-11 0043 General clinical research center for children - Degenerative central nervous system disease

MOIRR-00125-11 0230 General clinical research center - adult-child - Brain biopsy in diagnosis of progressive cerebral disorders

ROINS-00280-01 Neurophysiological studies in high risk children

** RO3MH-26047-01 Hemispheric specialization—Auditory evoked responses (uman)

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ROINS-00280-01 Neurophysiological studies in high risk children

** RO3MH-26047-01 Hemispheric specialization—Auditory evoked responses (uman)

MOIHR-42917-01 Extracorporeal support for respiratory insufficiency (human)
 ROINS-02812-14 Chronic focal epileptogenic lesions and deep structures (animals)
 ROINS-05961-09 Metabolism of the brain (dogs)
 ROINS-07080-08 Gene expression in nervous tissue (rats)
 ROINS-07664-07 Control of MSH release and role of MIF (frogs, rats)
 ** ROINS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
 ROINS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
 ** ROINS-10805-01 Impairment of cerebral perfusion following ischemia (rabbits)
 ROINS-11022-02 Cinefluorographic studies of dysarthric speech (human)
 P17NS-11091-02 Stroke acute care research unit (human)
 P17NS-11110-02 Stroke acute care research unit (human)
 P17NS-11120-02 Stroke acute care research unit (human)
 POINS-11131-01 0007 Extrapyramidal and related behavioral disorders - Changes in manganese levels in mice
 POINS-11131-01 0013 Extrapyramidal and related behavioral disorders - Administration of apomorphine orally (human)
 POINS-11131-01 0015 Extrapyramidal and related behavioral disorders - Diet and treatment of Parkinson's disease with levodopa (human)
 POINS-11131-01 0016 Extrapyramidal and related behavioral disorders - Measurements of circulating growth hormone (human)
 POINS-11131-01 0018 Extrapyramidal and related behavioral disorders - Long term study of patients receiving levodopa
 POINS-11131-01 0019 Extrapyramidal and related behavioral disorders - Administration of gamma hydroxybutyric acid to patients with parkinsonism
 POINS-11131-01 0020 Extrapyramidal and related behavioral disorders - Administration of L-metyrosine to patients with parkinsonism
 ROINS-11362-01 The epilepsies—Na and K pump within brain synapses (cats)
 ROINS-11554-01 Behavioral analysis of central hearing mechanisms (primates, hedgehog)
 ROINS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
 ROINS-11793-01 Neurotransmitter influence of neuroglia and gliosis (rats, rabbits)
 ROINS-11867-01 Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits)
 MOINS-42326-00 Analysis of speech language and hearing deficits (human)
 MOIRR-00063-12 0066 General clinical research center - Psoriasis or neurodermatitis
 ** MOIRR-00075-11 0041 General clinical research center for children - Biochemical parameters of periodic CNS symptomatology
 MOIRR-00125-11 0232 General clinical research center - adult-child - Psychophysiological and psychopathologic disorders in first five years
 MOIRR-00350-08 0107 General clinical research center - Cerebral diaschisis—Transneural pathogenesis and biochemical basis (human)

NEUROLOGIC MANIFESTATIONS, BACKACHE

** MOIRR-00827-01 0022 General clinical research center - Long term study of low back pain

NEUROLOGIC MANIFESTATIONS, HEADACHE

** POIHL-10539-09 0023 Pathophysiology of circulation - Meditatorial states and their application to disease states (human)

ROIMH-19152-04 Cognitive control of pain

** MOIRR-00828-01 0016 General clinical research center - Relationship of serotonin metabolism to headache (human)

ROINS-00280-01 Neurophysiological studies in high risk children

** RO3MH-26047-01 Hemispheric specialization—Auditory evoked responses (uman)

** ROINS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies

POINS-09649-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)

ROINS-11551-01 Demyelination and the optic nerve (human)

NOINS-42333-00 Tomography in cerebrovascular disease (human)

** MOIRR-00075-11 0041 General clinical research center for children - Biochemical parameters of periodic CNS symptomatology

** MOIRR-00075-11 0043 General clinical research center for children - Degenerative central nervous system disease

MOIRR-00125-11 0230 General clinical research center - adult-child - Brain biopsy in diagnosis of progressive cerebral disorders

ROINS-00280-01 Neurophysiological studies in high risk children

** RO3MH-26047-01 Hemispheric specialization—Auditory evoked responses (uman)

** ROINS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies

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ROINS-11551-01 Demyelination and the optic nerve (human)

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** MOIRR-00075-11 0041 General clinical research center for children - Biochemical parameters of periodic CNS symptomatology

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ROINS-11551-01 Demyelination and the optic nerve (human)

NOINS-42333-00 Tomography in cerebrovascular disease (human)

** MOIRR-00075-11 0041 General clinical research center for children - Biochemical parameters of periodic CNS symptomatology

** MOIRR-00075-11 0043 General clinical research center for children - Degenerative central nervous system disease

MOIRR-00125-11 0230 General clinical research center - adult-child - Brain biopsy in diagnosis of progressive cerebral disorders

ROINS-00280-01 Neurophysiological studies in high risk children

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS

- ** R01AA-00311-03 0017 Metabolic and psychological factors in alcoholism - Drug treatment of sleep disorders in alcoholism (human)
- R01AM-17334-02 Release of HGH, HPRL, HLN and HFSH in sleep-wake cycles (human)
- ** R01HD-08339-01 Sudden infant death syndrome and sleep apnea (infants, adults)
- ** R01MH-04151-14 0008 Psychology and physiology of sleep - Sleep and dreams in the aged (human)
- R01MH-04151-14 0011 Psychology and physiology of sleep - Phasic oculomotor potentials in human sleep
- R01MH-16960-06 Quantitative analysis of sleep EEG's and EOG's (human)
- R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
- ** R01MH-21350-01 Circadian rhythm uncoupling and affect disease
- ** R01MH-24820-01 Biofeedback training for sleep onset (human)
- R03MH-25349-01 Physiological sleep patterns after open-heart surgery (human)
- M P01NS-10727-02 The pathologies of sleep-A clinical program
- ** P01NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** P01NS-10727-02 0003 The pathologies of sleep-A clinical program - Circadian rhythms (human)
- ** M01RR-00053-13 0036 Clinical research center - Sleep disorders (human)
- ** M01RR-00070-12 0037 General clinical research center - 5-hydroxytryptophan in insomnia induced by myoclonic movements (human)
- M01RR-00070-12 0070 General clinical research center - Polygraph monitoring of sleep attacks in incipient narcolepsy (human)
- ** M01RR-00070-12 0097 General clinical research center - Experimental alcohol ingestion (human)
- ** M01RR-00082-12 0036 General clinical research center - Sleep pattern of insomnia (human)

NEUROLOGIC MANIFESTATION, SLEEP DISORDERS, NARCOLEPSY

- P01HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)
- P01NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** P01NS-10727-02 0002 The pathologies of sleep-A clinical program - Experimental studies in animals (cats)
- ** M01RR-00053-13 0036 Clinical research center - Sleep disorders (human)
- ** M01RR-00070-12 0055 General clinical research center - Use of 5-hydroxytryptophan in narcolepsy (human, cats)
- ** M01RR-00070-12 0070 General clinical research center - Polygraph monitoring of sleep attacks in incipient narcolepsy (human)

NEUROLOGIC MANIFESTATIONS, SYNCOPE

- P01HL-06336-14 0044 Cardiovascular program project - ECG evidence of bilateral bundle branch disease (human)
- R01HL-12811-05 Heart conduction defects (dogs)
- R01HL-14076-01 Role of kinins in a new postural syndrome
- ** P01HL-14388-03 0022 Regulation of the circulation in pathological states - Mechanisms of exertional syncope in aortic stenosis (human)

NEUROLOGIC MANIFESTATIONS, UNCONSCIOUSNESS

- ** P01HL-08886-11 0048 Radiology-physiology cardiovascular research - Diving bradycardia as a factor in underwater blackout (human)

NEUROLOGIC MANIFESTATIONS, UNCONSCIOUSNESS, COMA

- SEE ALSO LIVER DISORDERS, HEPATIC COMA-ENCEPHALOPATHY
- SEE ALSO METABOLIC DISORDERS (INBORN), DIABETIC COMA
- P11GM-12675-10 0025 Biochemical toxicology and pharmacology - Role of drug metabolism in the toxicity of glutathimide (human, dogs, rodents)
- P01GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
- ** P01NS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)
- P01NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
- ** N01NS-42328-00 Prediction of outcome of patients with coma
- ** M01RR-00633-02 0062 General clinical research center - Mechanisms of coma and normal sleep

NEUROLOGIC MANIFESTATIONS, VERTIGO

- SEE ALSO EAR DISORDERS, LABYRINTH DISORDERS, MENIERE'S SYNDROME
- SEE ALSO NEUROLOGIC MANIFESTATIONS, MOTION SICKNESS

- P01NS-05785-09 0014 Causes of deafness - Vestibular function (human, mammals)
- ** P01NS-05785-09 0016 Causes of deafness - Temporal bone laboratory (human)
- R01NS-05881-09 Otopathology by light microscopy (human)
- R01NS-06563-08 Evaluation of some central and peripheral vestibular mechanisms (human, monkeys)
- ** R01NS-09949-03 Effects of vestibular dysfunction in man
- R01NS-10412-03 0002 Physiopathology of inner ear organs - Histopathology of temporal bones (human)
- R01NS-10448-03 Meniere's disease-Surgery for conservation of hearing (human)
- M01RR-00075-11 0041 General clinical research center for children - Biochemical paramaters of periodic CNS symptomatology
- ** M01RR-00722-02 0031 General Clinical Research Center - Dizziness and vestibular function in posterior fossa lesions (human)

NEUROLOGICAL DISEASES

SEE NERVOUS DISORDERS (GENERAL)

NEUROLOGICAL EXAMINATIONS

SEE NEUROLOGIC EXAMINATIONS*

NEUROLOGY, NEUROSCIENCES (GENERAL PROJECTS ONLY)

- ** P01HD-02274-08 0041 Mental retardation and child development - Neurological sciences program
- ** P01HD-05221-05 0030 Center grant in mental retardation - Pediatric neurology (monkeys)
- ** N01LM-20556-04 Development of teaching material on neurosciences
- ** R01MH-23132-02 Neurosciences research program
- ** R01NS-09937-12 Neurosciences research program
- ** N01NS-32306-03 Operation of an information center in brain and other neurosciences
- N01NS-40044-01 0072 - STUDY OF MANPOWER RESOURCES

NEUROLOGY AND STROKE PROGRAM PROJECT COMMITTEE

- M P01EY-00299-09 Neurophysiology of the visual apparatus
- M P01NS-02253-15 Neurophysiological and neurochemical studies
- M P01NS-02808-13 Special clinical research project in neurophysiology
- M P01NS-03346-13 Research center for cerebrovascular disease
- M P01NS-03354-13 Neurosensory center
- M P01NS-03356-14 Neurological clinical research center
- M P01NS-03358-13 Sensory disease clinical research center
- M P01NS-03360-14 Neurological clinical research center-Epilepsy
- M P01NS-03364-12 Neurological research center in cerebrovascular disease
- M P01NS-03627-12 Cerebral and related systems
- M P01NS-03798-12 The nature of hearing
- M P01NS-03856-12 Auditory communication and its disorders
- M P01NS-04053-12 Epilepsy
- M P01NS-04513-11 Coordinated basic and clinical brain research program
- M P01NS-04553-10 Neuropharmacology and neurochemistry program research
- M P01NS-05785-09 Causes of deafness
- M P01NS-05820-09 Research center for cerebral vascular diseases
- M P01NS-06208-09 Epilepsy research program
- M P01NS-06209-09 Boston University aphasia research center
- M P01NS-06225-09 Cerebral localization
- M P01NS-06229-09 Cerebrovascular diseases program
- M P01NS-06655-09 Cerebrovascular research unit for study of TIA
- M P01NS-06663-08 Cerebrovascular clinical research center
- M P01NS-06779-06 Cerebrovascular clinical research center
- ** P01NS-06826-06 Univ Tennessee cerebrovascular research center (human, dogs, cats, monkeys)
- M P01NS-06827-08 Integrated approaches to neurobiological problems
- M P01NS-06828-08 Neurophysiology-Sensory systems and cerebral cortex
- M P01NS-06833-08 Interdisciplinary stroke program
- M P01NS-06890-07 Sensory processes
- M P01NS-07226-06 Neurosensory interdisciplinary research program
- M P01NS-07253-06 Center for clinical studies of head injuries
- M P01NS-07366-07 Head injury clinical center research program
- M P01NS-07376-07 Univ Chicago head injury center
- M P01NS-07377-05 Clinical head injury research
- M P01NS-07463-04 Cerebrovascular research center
- M P01NS-07464-07 Laboratory of neurobiology
- ** P01NS-07468-07 Sensory biology research center
- M P01NS-07512-06 Neuronal development, interaction and organization
- P15MS-07790-07 Auditory dysfunction of the cochlea (human)

- ** P15MS-07791-06 Outpatient research center for sensorineural deafness
 - M P01NS-07938-06 Peripheral and central nervous system
 - M P01NS-08711-04 Fundamental studies relating to multiple sclerosis
 - M P01NS-08802-05 Cerebrovascular disease research center
 - ** P01NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
 - M P01NS-09199-04 Effect of L-dopa on synthesis of amines in brain (human, animals)
 - M P01NS-09287-04 Baylor center for cerebrovascular research
 - M P01NS-09649-04 Research in parkinsonism
 - M P01NS-09704-04 Developmental neurology
 - M P01NS-10162-03 Management of spinal cord injury
 - M P01NS-10163-03 Acute spinal cord injury center
 - M P01NS-10164-02 Regional spinal cord trauma center grant
 - M P01NS-10175-03 Neuromuscular disease research center
 - M P01NS-10299-03 Biophysical and biochemical studies of cellular membranes
 - M P01NS-10727-02 The pathologies of sleep-A clinical program
 - M P01NS-10828-01 An interdepartmental stroke program
 - M P01NS-10920-02 Development and regeneration in the nervous system
 - M P01NS-10939-02 Cerebral blood flow and metabolism in stroke and shock
 - M P01NS-10981-02 Control of activity in excitable tissues
 - M P01NS-11066-01 Fundamental studies in spinal cord injury
 - P17NS-11091-02 Stroke acute care research unit (human)
 - P17NS-11093-02 Stroke acute care research unit (human)
 - P17NS-11099-02 Stroke acute care research unit (human)
 - P17NS-11101-02 Stroke acute care research unit (human)
 - P17NS-11103-02 Stroke acute care research unit (human)
 - P17NS-11106-02 Stroke acute care research unit (human)
 - P17NS-11109-02 Stroke acute care unit (human)
 - P17NS-11110-02 Stroke acute care research unit (human)
 - P17NS-11120-02 Stroke acute care research unit (human)
 - M P01NS-11131-01 Extrapyramidal and related behavioral disorders
 - M P01NS-11132-01 Neural basis of effects produced by spinal cord damage
 - M P01NS-11255-01 Comparative neurobiology (aphasia, fish, sea lions)
 - M P01NS-11417-01 Com program project in communicative disorders
 - M P01NS-11418-01 Studies in demyelinating diseases
 - ** P17NS-11547-01 Stroke acute care research unit (human)
 - M P01NS-11631-01 Clinical center for research on Parkinson's and allied diseases
 - M P01NS-11642-01 Basic and clinical neuroendocrinology
 - M P01NS-11766-01 Clinical research center for neuromuscular disease
- NEUROLOGY STUDY SECTION**
- R01AM-11496-06 Regulation of anterior pituitary secretions (rats)
 - ** R01AM-16166-01 The physiology of neurophysin secretion (human, animals)
 - ** R01CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
 - ** R01DE-03485-03 Cerebral responses to tooth pulp stimulation in man
 - ** R23DE-03746-02 Neural mechanisms of temporomandibular joint kinesiesthesia (cats)
 - ** R01ES-00649-03 Lead and mercury ions and chemical synapse (frogs)
 - ** R01ES-00900-02 Effect of toxic metals on specific brain structures (rabbits)
 - R01ES-01077-09 Synthesis and localization of biogenic amines in brain (rats)
 - ** R01EY-00691-14 Neurology of learning and vision (cats, rabbits, rats)
 - ** R01EY-00811-03 Anatomy of the visual system (animals)
 - ** R01EY-00955-03 Alert primate oculomotor system
 - ** R01EY-01117-02 Optic tectum-A combined structural and functional study (frogs)
 - ** R01FD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
 - ** R01GM-21728-01 Neutral control of circadian rhythms in behavior
 - ** R01HD-01823-11 Effect of amino acids on metabolism, EEG, and behavior (human, rats)
 - R01HD-02395-08 Development of the EEG in relation to behavior (human)
 - ** R01HD-04575-05 Gial and myelin lipids in developing and mature brain (rats, cattle)
 - ** R01HD-05341-04 Downs syndrome-5-hydroxy tryptophan study (children)
 - ** R01HD-06426-03 Glycophospholipid metabolism and mental retardation (human)
 - ** R01HD-07037-02 Electrophysiology of sidatic imagery in children (human)
 - ** R01HD-07185-02 Generative studies of the sound system of children (human)
 - ** R01HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)
 - ** R01HD-07547-01 Age changes in the neuronal microenvironment (rats)
 - R01HD-07695-01 Serotonin screening of neonates (human)

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- RO1ND-07749-02 Neuroelectric correlates of gonadotropin release (rats)
- ** RO1ND-08194-01 Prenatal protein malnutrition and brain steroids
- ** RO1HL-14774-03 Role of cerebral circulation and CNS in shock (dogs)
- ** RO1NS-09361-19 Quantitative histochemical studies upon cerebral cortex (human)
- ** RO1NS-00396-21 Single unit analysis in the somatosensory system (primates, cats)
- ** RO1NS-00405-19 Experimental studies of sensory pathways (cats, rats)
- RO1NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
- ** RO1NS-00847-19 Mechanism of function of higher integrative center (cats, dogs)
- ** RO1NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- ** RO1NS-01538-16 Vestibular system (monkeys)
- ** RO1NS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- ** RO1NS-01687-16 Neuropharmacology of the postsynaptic membrane (apsia)
- ** RO1NS-01847-16 Lipid composition of brain in pathological states (human, mice)
- ** RO1NS-02289-15 Studies in cerebellar physiology (monkeys, cats)
- ** RO1NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- ** RO1NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- ** RO1NS-02812-14 Chronic focal epileptogenic lesions and deep structures (animals)
- ** RO1NS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
- ** RO1NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
- ** RO1NS-03114-13 Tissue culture of nervous tissue (mammals, human)
- ** RO1NS-03166-14 EEG studies in newborn and young infants (human)
- ** RO1NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
- ** RO1NS-03606-13 Learning, perception and neural integration (monkeys)
- ** RO1NS-03743-13 Amine acids and related metabolites in the CNS (mice, rats, chicks)
- ** RO1NS-03756-12 Histogenesis in normal and abnormal brain (mice)
- RO1NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- RO1NS-03969-12 Comparative study of nerve ultrastructure (animals)
- ** RO1NS-04064-12 Amine acids and protein in brain structure and function (animals)
- ** RO1NS-04082-12 Anatomy of basal ganglia and related nuclei (monkeys)
- ** RO1NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
- ** RO1NS-04119-11 Plasticity of synaptic mechanisms (cats)
- ** RO1NS-04131-12 Thalamo-cortical connections in brain (monkeys)
- ** RO1NS-04456-12 Chemosensors of the nervous system (cats)
- ** RO1NS-04655-12 Single unit activity and thermoregulation (rabbits)
- ** RO1NS-04656-11 Protein synthesizing machinery (frogs)
- ** RO1NS-04677-12 Central mechanism in diurnal rhythm regulation (rats)
- ** RO1NS-04744-11 Neural mechanisms of postural control (dogs)
- ** RO1NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
- ** RO1NS-04928-10 Cerebral metabolism during repetitive seizures (primates)
- ** RO1NS-04955-11 Conditioning of pyramidal activity by sensory inflow (cats)
- ** RO1NS-04984-11 Cholinergic receptor activation and desensitization (frogs)
- ** RO1NS-05024-10 Spinal fluid proteins and blood CSF barrier (cats)
- ** RO1NS-05152-11 Clinicopathologic investigation of stroke (human)
- ** RO1NS-05159-11 Metabolism of inositols and inositides (rats)
- ** RO1NS-05264-10 Significance of neuronal discharge parameters (mollusks, fish)
- ** RO1NS-05424-10 Energy-utilizing process in the CNS (guinea pigs)
- ** RO1NS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
- ** RO1NS-05509-10 Studies of neural lysosomes (human, rats)
- ** RO1NS-05591-10 Electron microscopy of cerebral tissue (rats, monkeys, gerbils)
- ** RO1NS-05606-10 Interactions between neurons (cats, crayfish, rabbits)
- ** RO1NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- ** RO1NS-05638-10 Central neural regulation of body fluids (animals)
- ** RO1NS-05666-10 Schemoreceptor activity of carotid body (frogs, crayfishes)
- ** RO1NS-05685-10 Comparative studies of somatic afferent projection (rats, cats, primates)
- ** RO1NS-05715-09 Neurological mechanisms of sensory deficit (monkeys)
- RO1NS-05811-10 Peripheral neuropathy in man
- RO1NS-05910-08 Cell physiology correlated with ultrastructure (crayfish)
- ** RO1NS-05961-09 Metabolism of the brain (dogs)
- ** RO1NS-05982-09 Development of afferent neural centers (opossum)
- RO1NS-06115-10 Anatomy of the auditory system (cats, rats)
- ** RO1NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
- ** RO1NS-06232-09 Formation and function of synapses (animals)
- RO1NS-06239-09 Chemical cytology and pathology of nervous tissue (fish, bullfrogs)
- ** RO1NS-06277-09 Electron microscopy of myopathies (human, rats)
- ** RO1NS-06282-08 Experimental study of dyskinesia chemotherosus (monkeys)
- ** RO1NS-06294-07 Cerebral enzymes in normal and convulsive states (rats, rabbits)
- ** RO1NS-06448-09 Pathogenesis of heredity neurological disorders (mice)
- ** RO1NS-06477-09 Cellular mechanisms in focal epileptogenesis (cats)
- ** RO1NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
- ** RO1NS-06537-08 Neurophysiological study of neuroendocrine activity (rats, frogs)
- RO1NS-06542-09 Forebrain organization and anatomical plasticity (cats, rats)
- ** RO1NS-06551-09 Anatomical analyses of cortical systems (turtles, mammals)
- ** RO1NS-06594-08 Morphological aspects of neuronal injury (animals)
- ** RO1NS-06624-09 CNS control of fluid and electrolyte metabolism (cats)
- ** RO1NS-06662-08 Architectonic and synaptic organization in the brain (animals)
- ** RO1NS-06701-08 New methods for the study of amine transmitters (rodents, chickens)
- ** RO1NS-06716-08 Cortical-thalamic relationships (cats, rats)
- ** RO1NS-06728-06 Physiological relations between cerebellar elements (animals)
- ** RO1NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
- ** RO1NS-06756-07 Developmental nervous disorders-Krabbe disease (dogs)
- RO1NS-06782-07 Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats)
- RO1NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
- ** RO1NS-06820-07 Pharmacology of synaptic transmission in brain (cats)
- RO1NS-06911-07 Brain catecholamines in defense reaction (rats, cats)
- ** RO1NS-06925-09 The fine structure of the nervous system (monkeys)
- RO1NS-06938-09 Metabolic diseases of the brain (human, rats)
- ** RO1NS-06947-08 Bioelectric studies of cerebral cortex (human, racoons)
- ** RO1NS-06448-09 Pallidal inhibition of brainstem activity (cats)
- ** RO1NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
- ** RO1NS-07016-08 Structure and organization of the cerebral cortex (cats)
- ** RO1NS-07065-08 Properties of isolated acetylcholine receptor (electric fish)
- ** RO1NS-07080-08 Gene expression in nervous tissue (rats)
- ** RO1NS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
- ** RO1NS-07154-07 Calcium actions on central nervous system neurons (animals)
- ** RO1NS-07261-08 Spinal somesthetic pathways (monkeys)
- ** RO1NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
- ** RO1NS-07410-07 A comparative study of the extrapyramidal system (opossum)
- ** RO1NS-07436-07 Neural control of gastrointestinal activity (bats, mice, rabbits)
- ** RO1NS-07441-03 Morphological and enzymatic studies of neurogenesis (chick embryo, rats)
- ** RO1NS-07457-08 Brain function and the metabolism of macromolecules (mice)
- ** RO1NS-07472-05 Fine structure of taste buds and related receptors (rabbits, insects)
- ** RO1NS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
- ** RO1NS-07505-06 Neural correlates of skin sensibility (cats)
- ** RO1NS-07507-07 Cerebral metabolism and blood flow during anesthesia (dogs, primates)
- RO1NS-07540-07 Sympathetic ganglia following conditioning (frogs)
- ** RO1NS-07541-07 Experimental hypertrophic neuropathy (rats, rabbits, cats)
- ** RO1NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
- ** RO1NS-07606-06 Dissociated neural cell nerve growth factor (human, mice, chick embryo)
- ** RO1NS-07662-08 Structure of nerve endings (rats, chickens)
- ** RO1NS-07666-07 Sites of callosal thalamic and associational synapses (rats, monkeys)
- RO1NS-07680-07 Transfer of neuromuscular mutants to standard strains (mice)
- ** RO1NS-07681-07 Physiology of muscle function (frogs, amoeba)
- ** RO1NS-07701-08 Genetically-determined neurological diseases (human, dogs, rabbits)
- ** RO1NS-07710-06 Sensory and motor aspects of respiration (cats)
- ** RO1NS-07730-06 Physiology of CNS afferent pathways (cats)
- ** RO1NS-07755-06 Plasticity of the transected human spinal cord
- ** RO1NS-07778-07 Neural development (crickets)
- ** RO1NS-07838-07 Pathophysiology of cerebral hypoxia (human, animals)
- ** RO1NS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- ** RO1NS-07869-09 Regulation of cerebral protein synthesis (rats)
- ** RO1NS-07872-08 Biochemical studies of synapse membrane (rats, chickens)
- ** RO1NS-07888-08 Neural aspects of posture and locomotion (cats)
- RO1NS-07907-07 Vertebrate muscle receptors (mammals, reptiles)
- ** RO1NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
- ** RO1NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
- ** RO1NS-07941-05 Limbic system in hypothalamic aggression (cats)
- ** RO1NS-08153-04 Paramitosis of ontogenesis of cortical neurons (dogs, ferret)
- ** RO1NS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)
- ** RO1NS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
- ** RO1NS-08185-06 Cerebral edema with protein markers (mice)
- ** RO1NS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
- ** RO1NS-08278-06 Structure, metabolism and function of myelin proteins (animals)
- ** RO1NS-08291-04 Myelin biosynthesis and turnover (human, mice)
- ** RO1NS-08336-14 Ions fluxes in nerve and muscle (squid, barnacles)
- ** RO1NS-08409-06 Ionic conductance in nerve at low temperatures (squid)
- ** RO1NS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)
- ** RO1NS-08436-04 Metabolic regulation in glioma cells (rats)
- ** RO1NS-08437-06 Optical studies of neuron activity and organization (leech)
- ** RO1NS-08453-06 Pathways subserving proprioception (rats, amphibians)
- RO1NS-08470-06 Dynamic modelling of knee joint receptor activity (human)
- RO1NS-08596-06 Neural processes in somatic movement (monkeys)
- RO1NS-08597-06 Synaptic membrane structure and function (rats)
- RO1NS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- ** RO1NS-08604-06 Oral pharyngeal reflexes (cats, human)
- ** RO1NS-08608-05 Examination of dynamic aspects of motor control (cats, frogs)
- RO1NS-08626-06 Development of central nervous tissue in culture (mice)
- ** RO1NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
- ** RO1NS-08682-06 Molecular basis of cerebral degeneration (human)
- ** RO1NS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
- ** RO1NS-08735-06 Enzyme histochemistry of axon injury (cats)
- ** RO1NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
- ** RO1NS-08769-06 Receptors and somatic sensory pathways (cats)
- ** RO1NS-08770-04 Neuromuscular relations in organotypic cultures (mice, rats)
- ** RO1NS-08785-03 Improvement of cerebral blood flow following ischemia (rabbits)
- ** RO1NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** ROINS-08798-04 Role of the red nucleus in motor function (opossum)
- ** ROINS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
- ** ROINS-08907-04 Choreiform dyskinesia after striatal lesions (cats, monkey)
- ** ROINS-08909-04 Regional CNS uptake of amino acids (mice)
- ** ROINS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
- ** ROINS-08962-06 Automatic pattern recognition in the EEG (human)
- ** ROINS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)
- ROINS-08970-04 Pathology of acute, experimental spinal cord injury (monkeys, cats)
- ** ROINS-08989-12 Brain function during altitude acclimatization (rats)
- ** ROINS-09003-05 Structure, function, and assembly of nerve membranes (rats)
- ** ROINS-09015-05 Growth of axons in development of the nervous system (rats, cats)
- ** ROINS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- ** ROINS-09025-05 Pathogenesis of hydrocephalus mutants (human, mice)
- ** ROINS-09037-04 Anatomy of experimental seizures (human, monkeys)
- ** ROINS-09040-05 Photosensitization of giant axons (lobsters)
- ** ROINS-09042-05 Presynaptic basis of neuromuscular transmission (rats)
- ** ROINS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- ** ROINS-09082-03 Studies of neural proteins (rats)
- ** ROINS-09131-04 Molecular processes in memory storage (mice)
- ** ROINS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- ROINS-09196-04 Discharge patterns of motoneurons (cats, frogs)
- ** ROINS-09211-04 Connections of cerebral cortex (primates)
- ** ROINS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)
- ROINS-09228-02 Isolation of proteins from synaptic membranes (rabbits, cats)
- ROINS-09264-03 Relation of protein synthesis to neuronal function (rabbits)
- ROINS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
- ** ROINS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
- ** ROINS-09330-04 Development of neurons and related cells in vitro (Drosophila)
- ** ROINS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
- ** ROINS-09339-04 Chemistry of plastic changes in neurons (Aplysia)
- ** ROINS-09348-04 Glycoproteins in brain (rats, rabbits)
- ** ROINS-09361-04 Plasticity of the simplest neuronal pathways (animals)
- ** ROINS-09363-04 Fine structural lining of subarachnoid space (rats)
- ** ROINS-09367-04 Organization of primitive spinal cord (lamprey)
- ** ROINS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
- ** ROINS-09408-03 Local cerebral blood flow (cats, monkeys)
- ** ROINS-09418-03 Anatomic and physiologic correlation in the neuropil (crayfish)
- ** ROINS-09420-04 Long-term nerve-muscle interactions (rats)
- ** ROINS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)
- ** ROINS-09471-02 Folic acid deficiency and brain development (mice, rats)
- ** ROINS-09472-04 Response of dorsal column nuclei to natural inputs (cats)
- ** ROINS-09474-04 Integrative mechanisms in ganglia (decapods)
- ** ROINS-09475-04 Transport and membrane circulation in nervous tissue (animals)
- ** ROINS-09514-02 Regional blood flow, acid-base energy metabolism in cerebral edema (cats)
- ** ROINS-09518-04 Studies on the fine structure of the olfactory system (cats, rats)
- ** ROINS-09578-05 Spinal cord development (mice)
- ** ROINS-09603-04 The biochemical effects of sensory deprivation (chicks)
- ** ROINS-09614-03 Regeneration in nervous system (crustaceans)
- ROINS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
- ** ROINS-09623-04 Structure and function of neocortex (animals)
- ** ROINS-09625-03 Brain ribosomes and brain protein synthesis in epilepsy (rats)
- ** ROINS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
- ** ROINS-09654-04 Genetic variants of synaptic proteins (nematodes)
- ** ROINS-09666-02 The secretion of the cerebrospinal fluid (frog)
- ** ROINS-09877-04 Motoneuron repetitive firing mechanisms (cats)
- ** ROINS-09878-04 Fine structure of deafferentation (rats, cats)
- ** ROINS-09893-04 Ultrastructural aspects of injured cerebral cortex (cats)
- ** ROINS-09733-04 Biochemical characterization of habituation (protozoa)
- ROINS-09743-05 Synaptic connections of spinal cord neurons (animals)
- ** ROINS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)
- ** ROINS-09760-04 Studies in aging of the brain (human)
- ROINS-09784-03 Effect of epigenetic drugs on membrane properties (squid)
- ROINS-09800-03 Regulation of ACTH—Role of neural inhibition (rats)
- ** ROINS-09801-01 Nervous system regenerative in the paraplegic (rats, cats)
- ** ROINS-09808-02 Seizures, hysteresis and cerebral metabolism (rats)
- ** ROINS-09809-04 Temperature and pain in CNS (cats, monkeys)
- ** ROINS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
- ROINS-09820-04 Effects of environmental stresses on brain development (rats)
- ** ROINS-09821-04 Neural development genetic and environmental control (crustaceans)
- ** ROINS-09884-03 Timing and coding of cerebellar output (monkeys)
- ** ROINS-09885-02 Transmitted release and metabolism by 3H-DHFB assay (frogs)
- ** ROINS-09904-03 Developmental morphology and synaptogenesis (animals)
- ** ROINS-09916-03 Neurobiology of cerebellar phylogeny and ontogeny (animals)
- ROINS-09923-04 Cytological studies of developing and mature neurons (rats)
- ** ROINS-09938-03 Factors affecting cerebral arterial caliber (monkeys)
- ** ROINS-09944-03 Biochemistry of the developing brain (mice)
- ** ROINS-09955-03 Biochemical studies in identified neurons (Aplysia)
- ** ROINS-09970-02 Organization of cutaneous neurons in dorsal horn (cats)
- ** ROINS-09971-02 Use and disuse of spinal pathways (cats, rats)
- ** ROINS-09973-03 Mechanisms involved in primary demyelination (rats)
- ** ROINS-09975-02 Ion transport mechanisms in seizure
- ** ROINS-09990-01 Undernutrition and the immature nervous system (rats)
- ** ROINS-09991-03 Hypoxia and increased intracranial pressure
- ** ROINS-09997-02 Cortical control of superior colliculus (cats)
- ** ROINS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
- ** ROINS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
- ** ROINS-10108-03 Brain phosphoinositides—Relevance to prostaglandins (human)
- ** ROINS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
- ** ROINS-10118-03 Biochemistry of CNS development of thyroid insufficiency (rats)
- ** ROINS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)
- ** ROINS-10137-03 Upper and lower motoneurons (Boa constrictor)
- ** ROINS-10139-04 Central nervous system in immune processes (guinea pigs)
- ** ROINS-10161-04 Individual neurons in a single nervous system (leeches)
- ** ROINS-10183-03 Cortical neuronal mechanisms of motor control (primates)
- ** ROINS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
- ROINS-10207-03 Neuromuscular synapse in cell culture (frogs, rats)
- ** ROINS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
- ** ROINS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
- ** ROINS-10244-03 Structure of the somatosensory SI neocortex (rats, mice)
- ** ROINS-10259-03 Regulation of neuronal growth and development (mice, rats)
- ** ROINS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- ** ROINS-10270-01 Molecular pharmacological correlates of behavior (fish)
- ** ROINS-10277-02 Mechanisms of variable synaptic efficacy (frogs)
- ** ROINS-10284-02 Genetic variation in hippocampal structure and function (mice)
- ** ROINS-10304-02 Spinal tract projections to ventral horn interneurons (cats)
- ** ROINS-10319-03 Monosynaptic transmission in spiral neurons (cats)
- ** ROINS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
- ** ROINS-10326-02 Cytochemical investigations of adrenergic neurons (monkeys, rats)
- ROINS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
- ** ROINS-10332-02 Miniature postsynaptic potentials of epileptogenic cortex (monkeys, cats)
- ** ROINS-10330-03 Ganglionic synaptic transmission (birds)
- ROINS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
- ** ROINS-10344-01 Myelin constituents in murine leucodystrophy (mice)
- ** ROINS-10366-03 Mechanism of formation of cerebral cortical edema (primates)
- ** ROINS-10368-01 Receptive field organization of somatosensory cortex (primates)
- ** ROINS-10371-02 Degenerative and regenerative changes in CNS (cats)
- ** ROINS-10382-01 Hereditary defects of muscle membrane composition (goats and rats)
- ** ROINS-10391-01 Effects of L-dopa on brain serotonin (mice)
- ** ROINS-10417-02 Basic causes of nerve-muscle excitability dysfunction (human, rats, mice)
- ** ROINS-10420-03 Electrophysiology of the goital sensory system (cats)
- ROINS-10427-02 Structure and biochemistry of cerebellum (mice)
- ROINS-10434-03 Neurohumoral events in cells ending in median eminence (rats)
- ** ROINS-10437-03 Assembly of cerebral myelin membranes (rats)
- ROINS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
- ROINS-10457-03 Ultrastructure and function of nerve and muscle (crayfish)
- ROINS-10459-02 Psychotropic mechanisms of catechol amino acids (rats, mice)
- ** ROINS-10460-01 Neurophysiology of excitable cells in vitro
- ** ROINS-10465-01 Comparison of myelin and oligodendrocyte membrane (rats, cattle)
- ** ROINS-10469-02 Regulation of synchronous neuronal discharge (cats)
- ** ROINS-10478-02 Convulsive states and brain monoamine metabolism (cats)
- ** ROINS-10488-02 Cerebellar neuronal activity and motor behavior (cats)
- ** ROINS-10492-03 Computer analysis of neuron structure and function (frogs)
- ** ROINS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
- ** ROINS-10507-02 Visual discrimination and receptive fields of neurons (tree shrews)
- ROINS-10508-03 Glutamate pools in the dorsal sensory neuron (cats)
- ROINS-10509-03 Functional analysis of the nervous system (helminths)
- ** ROINS-10526-02 Synaptic relations in sensory systems (carnivores, monkeys)
- ** ROINS-10531-02 Corticospinal tract in developing motor function (rats)
- ** ROINS-10536-02 Organization of the striate cortex (monkeys)
- ** ROINS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
- ** ROINS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
- ** ROINS-10567-02 Structure-functional studies of neuropil modules (cats)
- ** ROINS-10578-01 Regulation of enzyme development in neurons (rats)
- ** ROINS-10579-02 Development of synaptic knobs and behavior (rats)
- ** ROINS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
- ** ROINS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
- ** ROINS-10613-01 Neuronal cell specificity of glycolipid patterns (mice)
- ** ROINS-10614-02 Neurochemistry of ganglion in culture (lobsters)
- ** ROINS-10618-02 Mechanisms of neurotransmitter release (rats)
- ** ROINS-10622-02 Neuronal and glial glutamate decarboxylases (mice, calves)
- ROINS-10654-01 Dynamic properties of speech sensorimotor systems (human)
- ** ROINS-10657-01 Undernutrition and synapse development (mice)
- ** ROINS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
- ** ROINS-10677-02 Cholinomimetic compounds in digestive gland (mollusks)
- ** ROINS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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** ROINS-10714-02 Neural cell recognition factors in brain histogenesis (mice, chick embryo)
 ROINS-10720-01 Investigations of vitamin B6 in Down's syndrome (human)
 ** ROINS-10726-02 Effects of sensorimotor EEG conditioning on epilepsy (human, cats)
 ** ROINS-10759-02 Determinants of somatic sensory neuromal responses (monkeys)
 ** ROINS-10777-02 Development of brain monoamines and seizures (mice, rats)
 ** ROINS-10792-02 Physiology of synapses developing in vivo (salamanders)
 ** ROINS-10799-01 Cerebral cortical edema in arteriovascular stroke (primates)
 ** ROINS-10802-01 Hydroxylation of long chain fatty acids of brain (rats)
 ** ROINS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)
 ** ROINS-10805-01 Impairment of cerebral perfusion following ischemia (rabbits)
 ** ROINS-10814-01 Bulbar trigeminal pain mechanisms (monkey)
 ** ROINS-10821-02 Chemistry and metabolism of CNS myelin-free axons (cattle, rat)
 ** ROINS-10832-01 Tropic interactions at synapses (chickens)
 ** ROINS-10833-01 Analysis of changes in muscles caused by denervation (rat, guinea pig, and rabbit)
 ** ROINS-10857-01 Organization of the motoneuron-pool and its inputs (cats)
 ** ROINS-10864-02 Axon regeneration in the spinal cord (rats)
 ** ROINS-10865-02 Functional organization of the somatosensory cortex (primates)
 ** ROINS-10883-01 Transmitter release at the nerve-muscle junction (frogs)
 ** ROINS-10885-02 Chemical pathology of neurological disorders (human, dogs)
 ** ROINS-10906-01 Connections of identifiable neurons during maturation (lamprey)
 ** ROINS-10922-01 Central mechanisms of visceral and somatic pain (cats)
 ** ROINS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
 ** ROINS-10931-01 Brain glycolipids in MS and virus diseases (human, monkeys)
 ** ROINS-10943-02 Neuronal specificity in the hippocampus (rats)
 ** ROINS-10967-02 Human gangliosidosis (cats)
 ** ROINS-10968-01 The role of cyclic GMP in nervous tissue (animals)
 ** ROINS-10972-02 Basal forebrain organization (rats, sharks)
 ** ROINS-10973-02 Anatomy and physiology of cerebellar pathways (animals)
 ** ROINS-10976-01 Neurochemistry of brain ischemia (rabbits)
 ** ROINS-10978-02 Brain stem sensory connections (human, animals)
 ** ROINS-10990-01 Blood brain barrier (cats, mice)
 ** ROINS-11006-02 Evolution of the telencephalon (amphibians, lungfish)
 ** ROINS-11010-01 Neurobiology of insect development and metamorphosis (lepidoptera)
 ** ROINS-11026-01 An analysis of reinnervated muscle spindles (cats)
 ** ROINS-11042-01 Axoplasmic flow in cerebellar afferent systems (cats)
 ** ROINS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
 ** ROINS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
 ** ROINS-11061-01 Regulation of adrenergic metabolism (rats)
 ** ROINS-11069-01 Effect of centrophenoxine on lipofuscin pigment (guinea pigs, rats, mice)
 ** ROINS-11083-02 "Kinding" preparations and antiepileptic drugs (monkeys, rats and cats)
 ** ROINS-11087-01 Purified choline acetyltransferase (guinea pig)
 ** ROINS-11119-01 Sphingolipid metabolism in selected human tissues (human)
 ** ROINS-11145-01 Neurogenesis-Cytoarchitecture and growth of axons (rats, chick embryos)
 ** ROINS-11149-01 Regulatory physiology and biochemistry in nerve cells (Aplysia)
 ROINS-11160-02 Synapse formation in low-density culture (chick embryo)
 ** ROINS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)
 ** ROINS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 ROINS-11175-02 ACh and CNS thermoregulation processes (monkeys)
 ** ROINS-11177-01 Neural role in muscular dystrophy (chicken)
 ** ROINS-11186-01 Regional cerebral metabolism and blood flow (primates)
 ** ROINS-11190-01 Histochemical studies of neural influences (rabbits)
 ** ROINS-11212-01 Pulse pressure in normal and hydrocephalic (cats)

** ROINS-11219-02 Interrelationships to sensorimotor neurons (cats)
 ** ROINS-11231-02 Immunological markers in developmental brain disease (mice)
 ** ROINS-11233-02 Neurogenetic processes in fetal brain (human, monkeys)
 ** ROINS-11252-01 Function of a brain calcium-binding protein (rats, mice)
 ** ROINS-11254-01 Projections of midbrain reticular formation (cats)
 ** ROINS-11259-01 RNA transport in normal and regenerating nerves (fish)
 ** ROINS-11264-01 Amino acids as neurotransmitters (cats)
 ** ROINS-11295-01 Mechanisms of interneuronal communications in culture (rats)
 ** ROINS-11299-01 Studies of nerve development (chick embryo)
 ** ROINS-11310-01 Neurotransmitter biosynthesis (cattle)
 ** ROINS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
 ** ROINS-11313-01 Neuronal interaction and electrogenesis (fish)
 ** ROINS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
 ** ROINS-11354-01 Neuro-glia interaction in vitro cholinergic systems (rats)
 ** ROINS-11362-01 The epilepsies- Na and K pump within brain synapses (cats)
 ** ROINS-11364-02 Cytological localization of serotonin (rabbits, chicks)
 ** ROINS-11379-02 Electrophysiological studies of epileptic brain (human)
 ** ROINS-11384-01 Central processing of temperature information (monkeys)
 ** ROINS-11386-01 Experimental neuropathies-Correlative studies (cat)
 ** ROINS-11425-01 Development in vitro and mutant CNS (mice)
 ** ROINS-11431-01 Fine structure of synapses and their modification (animals)
 ** ROINS-11436-01 Prednisone in myasthenia gravis (human)
 ** ROINS-11441-01 Neural basis of epileptiform activity (rats, rabbits)
 ** ROINS-11445-01 Transmitter release from the neuromuscular junction (frogs)
 ** ROINS-11468-01 Development of rhythmic processes in neonatal thalamus (cats)
 ** ROINS-11484-01 Effect of seizure upon energy metabolism of brain (rats)
 ** ROINS-11487-01 Temperature regulation-Action of prostaglandin E1 (rabbits)
 ** ROINS-11491-01 Interlimb aspects of neural control of locomotion (cat)
 ** ROINS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
 ** ROINS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)
 ** ROINS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
 ** ROINS-11507-01 Central nervous regeneration-Hormonal influences (cats, rats)
 ** ROINS-11519-01 The regulation of neuronal protein synthesis (aphysia)
 ** ROINS-11522-01 Neural-corticosteroid interaction and brain function (cats, rats)
 ** ROINS-11539-01 Experimental cervical myelopathy (dogs)
 ** ROINS-11544-01 Integration and regeneration in the nervous system (leeches)
 ** ROINS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
 ** ROINS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
 ** ROINS-11563-01 Psychophysical study of pattern-sensitive epilepsy (human)
 ** ROINS-11589-01 Integrative neuroanatomy (rats, mice)
 ** ROINS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
 ** ROINS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
 ** ROINS-11619-01 Respiratory energy metabolism in brain explants (rats)
 ** ROINS-11623-01 Neurochemistry and basal ganglia diseases (human)
 ** ROINS-11626-01 Physiology of neuroglia in the brain (cats)
 ** ROINS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
 ** ROINS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
 ** ROINS-11635-01 Molecular basis of membrane excitation (electric fish)
 ** ROINS-11641-19 Biological effects of steroids (mice, rats, monkeys)
 ** ROINS-11644-01 Generation and degeneration of axons (fish, rats)
 ** ROINS-11648-01 Influence of neurons upon muscle spindle development (rats)
 ** ROINS-11650-01 Morphology of collateral nerve sprouting (cats)
 ** ROINS-11666-01 Genetics of neuronal growth and development (mice)

** ROINS-11669-01 Development and plasticity in a visual system (rabbits)
 ** ROINS-11686-01 Evolution of structure and connections of neocortex (mammals, lizards)
 ** ROINS-11699-01 Long-term changes in neurons (guinea pig)
 ** ROINS-11710-01 Intracranial pressure monitor (human, animals)
 ** ROINS-11715-01 Conference-Regeneration in central nervous system
 ** ROINS-11716-01 The physiological role of piperidine in CNS (saarls)
 ** ROINS-11751-01 Synaptic integration in a bimodal sensory interneuron
 ** ROINS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
 ** ROINS-11756-01 Conductance of nicotinic acetylcholine receptors (torpedos)
 ** ROINS-11773-01 Regulation of glycolysis in brain (rats)
 ** ROINS-11793-01 Neurotransmitter influence of neuroglia and gliosis (rats, rabbits)
 ** ROINS-11798-01 Cerebellar correlates of motor performance (cats)
 ** ROINS-11824-01 Amino acids and protein in brain structure and function (animals)
 ** ROINS-11831-01 Control mechanisms in regeneration and polarity (annelids)
 ** ROINS-11834-01 Fine structure of spinal cord (monkeys, cats)
 ** ROINS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
 ** ROINS-11867-01 Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits)
 ** ROINS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
 ** ROINS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
 ** ROINS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
 ** ROINS-12030-01 Central interactions with somatosensory neurons (cats)
 ** ROINS-12031-01 Functional organization of CNS vasomotor system (cats)
 ** ROINS-12039-01 Evoked spinal response
 ** ROINS-12043-01 Effects of anticonvulsants on motoneuron development
 ** ROINS-12044-01 Myelin constituents in murine leucodystrophy
 ** ROINS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)
 ** ROINS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)
 ** ROINS-12066-01 Biochemical studies in identified neurons (aphysia)
 ROINS-12078-01 Anatomical organization of the brain (chicks)
 ** ROINS-12079-01 Mechanisms of neurotransmitter release (rats)
 ** ROINS-12113-01 Pentose phosphate pathway in neural tissue (rats)
 ** RO10H-00331-05 The sleep-waking cycle and its neuro-endocrine correlates (human)

NEUROLYMPHOMATOSIS OF POWL

SEE NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE

NEUROMELANIN

SEE PIGMENTATION, NEUROMELANIN

NEUROMOTOR DISORDERS

SEE ALSO ALCOHOLISM - DRINKING, MARCHIAFAVA-BIGNAMI DISEASE
 SEE ALSO BRAIN DISORDERS, CEREBELLAR DEGENERATION HEREDITARY
 SEE ALSO BRAIN DISORDERS, CEREBELLAR DISORDERS
 SEE ALSO CONGENITAL ABNORMALITIES, BRAIN, CEREBELLAR HYPOPLASIA
 SEE ALSO CONGENITAL ABNORMALITIES, BRAIN, CEREBELLOMEDULLARY DYSPLASIA
 SEE ALSO EYE MOVEMENT AND COORDINATION DISORDERS, EYE MOVEMENT DISORDERS
 SEE ALSO METABOLIC DISORDERS INBORN, FAMILIAL PERIODIC PARALYSIS
 SEE ALSO METABOLIC DISORDERS INBORN, HEPATOLENTICULAR DEGENERATION
 SEE ALSO METABOLIC DISORDERS INBORN, HYPOLIPOPROTEINEMIAS FAMILIAL, ABETALIPOPROTEINEMIA
 SEE ALSO METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES
 SEE ALSO METABOLIC DISORDERS INBORN, MUSCULAR DYSTROPHY
 SEE ALSO METABOLIC DISORDERS INBORN, MYOTONIA ATROPHICA
 SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES
 SEE ALSO MUSCLE FUNCTION, MUSCLE TONE, HYPERMYOTONIA
 SEE ALSO MUSCLE FUNCTION, MUSCLE TONE, HYPOMYOTONIA
 SEE ALSO MUSCULAR DISORDERS

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

SEE ALSO NERVOUS DISORDERS, DEMYELINATION, MULTIPLE SCLEROSIS
 SEE ALSO NERVOUS DISORDERS CENTRAL (GENERAL)
 SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM
 SEE ALSO NERVOUS DISORDERS PERIPHERAL
 SEE ALSO NERVOUS DISORDERS PERIPHERAL HEREDITARY
 SEE ALSO NEUROMUSCULAR STIMULATORS (FOR NEUROMOTOR DISORDERS)
 SEE ALSO PSYCHOMOTOR DISORDERS
 ** P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
 ** R01AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
 R01AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
 R01AM-17432-01 Quantitated function correlated with physical impairment
 R01DA-00069-04 Toxicology of marijuana in animals and man
 P11GM-15956-07 0016 Factors affecting the responses to drugs - Genetic nervous disorders (human)
 P01GM-15991-06 0108 Anesthesia research center - Trigeminal nerve hyperactivity in relation to pain-like states (cats)
 P01GM-19443-03 0022 Problems in clinical genetics - Aminocidurias (human, monkeys)
 R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
 P01HD-05958-03 0002 Neurophysiology and neuropsychology in mental retardation - Electrophysiology of learned motor performance (cats)
 P01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
 ** P01HD-06276-03 0017 Mental retardation research program - Stability of motor rhythms in young infants
 R01HD-07900-01 Magnesium status of poor urban mothers and babies
 ** M01HD-32776-05 Diagnostic and intervention studies of high risk infants
 P01HL-04885-15 0006 Comparative cardiovascular studies - Hereditary patent ductus arteriosus physiology (dogs)
 P01HL-07896-13 0005 Environmental biomedical research program - Pediatrics
 ** R01HL-08789-08 Respiratory muscles and ventilatory mechanics in man
 R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
 P17HL-15088-03 0011 Diffuse granulomatous and fibrotic pulmonary disease - Role of respiratory muscles in respiratory failure (human)
 M R01MH-16127-06 Muscle enzyme release in the acute psychoses
 ** R01MH-16127-06 0001 Muscle enzyme release in the acute psychoses - Clinical-chemical correlations (human)
 ** R01MH-16127-06 0002 Muscle enzyme release in the acute psychoses - Additional evidence for muscle abnormalities (human)
 ** R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
 ** R01MH-16128-06 Early clinical drug evaluation unit
 P01MH-16674-06 0020 A program of psychiatry-oriented biological research - Altered behavioral sensitivity to dopamine agonists (rats)
 R01MH-25133-02 0002 Steroid hormones in depressive illness - Prolactin response to chlorpromazine (human)
 ** P01MH-25151-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
 R01NS-02501-13 Computers and neurophysiology in study of brain (human, mammals, non-human)
 M P01NS-03354-13 Neurosensory center
 P01NS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)
 P01NS-03354-13 0007 Neurosensory center - Laboratory of neuropsychology (human)
 ** R01NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
 P01NS-04513-11 0010 Coordinated basic and clinical brain research program - Muscle biopsy studies (human, rabbits)
 R01NS-06277-09 Electron microscopy of myopathies (human, rats)
 ** R01NS-06448-09 Pathogenesis of heredity neurological disorders (mice)
 ** R01NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
 ** R01NS-07680-07 Transfer of neuromuscular mutants to standard strains (mice)
 R01NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
 P01NS-08711-04 0010 Fundamental studies relating to multiple sclerosis - Clinical neurophysiology
 ** R01NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
 P01NS-09199-04 0005 Effect of L-dopa on synthesis of amines in brain (human, animals) - Peripheral manifestations of Parkinsons (human)

** R01NS-09283-05 Polyribosomes in human dystrophic muscle
 R01NS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)
 R01NS-09944-03 Biochemistry of the developing brain (mice)
 R01NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
 M P01NS-10175-03 Neuromuscular disease research center
 P01NS-10175-03 0007 Neuromuscular disease research center - Muscle fiber typing-Dorsal rhizotomy (cats)
 P01NS-10175-03 0008 Neuromuscular disease research center - Muscle fiber typing-Cerebral lesions (cats)
 M R01NS-10236-03 Functional skill remediation in brain damage
 R01NS-10236-03 0001 Functional skill remediation in brain damage - An assessment therapy model for eye hand shifts (human)
 ** R01NS-10238-03 Otoneurological evaluation of infants and children
 R01NS-10349-03 Neurotrophic influence on muscle (rabbits)
 ** R01NS-10403-08 Studies of clinically only childhood dystrophy (human, guinea pigs)
 ** R01NS-10417-02 Basic causes of nerve-muscle excitability dysfunction (human, rats, mice)
 R01NS-10575-01 Neuropsychological study of children with brain damage
 R01NS-10857-01 Organization of the motoneuron-pool and its inputs (cats)
 ** R01NS-11022-02 speech (human)
 R01NS-11491-01 Interlimb aspects of neural control of locomotion (cat)
 ** R01NS-11623-01 Neurochemistry and basal ganglia diseases (human)
 P01NS-11631-01 0002 Clinical center for research on Parkinson's and allied diseases - Experimental neurophysiology studies (human, animals)
 ** M01RR-00030-13 0110 General clinical research center - The p-nitrophenylphosphatase activity of denervated human muscle
 ** M01RR-00036-14 0070 General clinical research center - L-dopa for childhood movement disorders (human)
 ** M01RR-00040-14 0061 General clinical research center - Inherited neuromuscular disorders (human)
 ** M01RR-00044-14 0072 General clinical research center - Metabolic abnormalities in neuromuscular diseases (human)
 ** M01RR-00047-14 0081 General clinical research center - Children with atypical neuromuscular disorders
 ** M01RR-00047-14 0104 General clinical research center - Mild neuromuscular disorders in children and families
 ** M01RR-00048-13 0035 Clinical center - Stiff man syndrome
 ** M01RR-00069-12 0034 General clinical research center, children - L-dopa in movement disorders
 ** M01RR-00071-11 0024 General clinical research center - Pathological anatomy and physiology of neuromuscular junction (human)
 ** M01RR-00071-11 0061 General clinical research center - Evaluation of alpha-methyl-leva-para-tyrosine in dyskinesias (human)
 ** P06RR-00165-14 Support of the Yerkes Regional Primate Research Center
 M01RR-00287-08 0040 General clinical research center - Esophageal motor function in neuromuscular disorders (human)
 ** M01RR-00585-03 0007 General clinical research center - Investigational use of 3-O-methyl dopa (human)
 ** M01RR-00749-02 0041 General clinical research center - Neuromuscular diseases of unknown etiology (human)
NEUROMOTOR DISORDERS, ATAXIA (GENERAL)
 SEE ALSO BRAIN DISORDERS, CEREBELLAR ATAXIA AND DYSKINESIA (GENERAL)
 R01EY-01408-01 Hereditary diseases (rabbits)
 ** R01NS-10265-02 Familial ataxia (cats)
NEUROMOTOR DISORDERS, ATHETOSIS
 P01HD-04147-06 0010 Research in mental retardation - Neuropathology (human, rats, monkeys)
 ** R01NS-08907-04 Choreiform dyskinesia after striatal lesions (cats, monkey)
 ** M01RR-00047-14 0092 General clinical research center - Action of L-dopa in athetoid cerebral palsy (human)
NEUROMOTOR DISORDERS, CATALEPSY
 R01MH-11468-09 0024 Psychopharmacology research center - Role of adrenergic mechanisms in motor and cataleptic effects of morphine (rats)
 P01NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
NEUROMOTOR DISORDERS, CHOREA
 ** R01NS-08907-04 Choreiform dyskinesia after striatal lesions (cats, monkey)
NEUROMOTOR DISORDERS, CHOREA HEREDITARY
 R01AA-00187-03 Memory impairment of alcoholic Korsakoff patients

** P01GM-15253-08 0022 Genetics in medicine-Gene action in man - Clinical genetics
 P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
 ** P01GM-19489-03 0020 Study of human genetics - Genetic linkage studies with deleterious autosomal dominant phenotypes
 P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 ** P01MH-16674-06 0030 A program of psychiatry-oriented biological research - Integrity of substantia nigra GABA neurons in Huntington's chorea (human)
 ** R01NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
 ** R01NS-06938-09 Metabolic diseases of the brain (human, rats)
 ** P01NS-09649-04 0012 Research in parkinsonism - Disease models (rats)
 ** R01NS-10577-02 0002 Normal and pathological human brain function - Memory aid on hypothesis behavior and focusing in Huntington's chorea (human)
 ** R01NS-10577-02 0009 Normal and pathological human brain function - Short and long-term memory in brain disorders
 ** M01RR-00042-14 0051 General clinical research center - Effects of L-tryptophan loading and cholinergic mechanism in Huntington's chorea
 M01RR-00060-13 0029 General clinical research center - Dopaminergic system in L-dopa treated Parkinson's disease (human)
 ** M01RR-00080-12 0008 General clinical research center - Monoamines metabolism in juvenile Huntington's disease (human)
 ** M01RR-00085-01 0033 General clinical research center - Neuroendocrine control mechanisms in Huntington's disease (human)
NEUROMOTOR DISORDERS, CHOREA MINOR
 P01AI-08724-18 0007 Biology of streptococci - Group A carbohydrate (human)
NEUROMOTOR DISORDERS, CHOROATHETOSIS
 ** R01NS-06282-08 Experimental study of dyskinesia choroathetosis (monkeys)
NEUROMOTOR DISORDERS, CONVULSIONS
 SEE ALSO BRAIN DISORDERS, EPILEPSY
 SEE ALSO NEUROMOTOR DISORDERS, MYOCLONUS
 SEE ALSO NEUROMOTOR DISORDERS, SPASM
 SEE ALSO NEUROMOTOR DISORDERS, TETANY
 SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS
 R01AA-00975-01 A physico-chemical study of ethanol activity (mice)
 R01AA-01066-01 Physical dependence on alcohol (mice)
 P01DA-00259-03 0003 Drug abuse research center - Effects of morphine on brain metabolism substrates (mice)
 R01ES-00620-03 Pesticide induced changes in central nervous function (cats)
 P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
 P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
 P01GM-20130-01 0003 Clinical genetics research center - Mental retardation
 ** P01HD-02274-08 0034 Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)
 P01HD-06276-03 0055 Mental retardation research program - Effect of convulsants on CNS regional permeability and biochemistry (cats)
 R01HL-01646-24 Lungs in head injury-Regional brain blood flow and Po2 (mammals)
 R01HL-12775-06 Cerebral microcirculation (mice)
 R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
 R01MH-22570-02 Amphetamine tolerance-Central and peripheral studies (rodents)
 R03MH-25319-01 A physiological model of childhood hyperkinesia (rats)
 P01NS-03354-13 0004 Neurosensory center - Neurochemistry (human)
 ** P01NS-04053-12 0002 Epilepsy - Effect of seizures on chronic brain degeneration (monkeys)
 ** P01NS-04053-12 0012 Epilepsy - Electroencephalography (human)
 ** P01NS-04053-12 0017 Epilepsy - Ultrastructure and histochemistry of lamina in cortex (monkeys)
 ** P01NS-04513-11 0005 Coordinated basic and clinical brain research program - Mechanisms in grand mal epilepsy (human)
 ** R01NS-04928-10 Cerebral metabolism during repetitive seizures (primates)
 ** R01NS-06294-07 Cerebral enzymes in normal and convulsive states (rats, rabbits)
 ** R01NS-09037-04 Anatomy of experimental seizures (human, monkeys)
 ** P01NS-09704-04 0037 Developmental neurology - Clinical seizures and hyperkinesia by relaxation
 ** R01NS-09808-02 Seizures, hysteresis and cerebral metabolism (rats)

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- ** R01NS-10469-02 Regulation of synchronous neuronal discharge (cats)
- ** R01NS-10478-02 Convulsive states and brain monoamine metabolism (cats)
- P01NS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
- ** R01NS-10990-01 Blood brain barrier (cats, mice)
- R01NS-11018-01 Gamma-glutamyl cycle, brain amino acid uptake and drugs (rats, mice)
- ** R01NS-11310-01 Neurotransmitter biosynthesis (cattle)
- ** R01NS-11484-01 Effect of seizure upon energy metabolism of brain (rats)
- M01RR-00047-14 0105 General clinical research center - Treatment of children with intractable seizures
- M01RR-00047-14 0106 General clinical research center - Influence of drugs and hormones and metabolism in children
- M01RR-00052-13 0009 General clinical research center for children - Degenerative diseases of central nervous system
- ** M01RR-00062-12 0024 Clinical research center, children - Use of conditioning in pediatric problems
- ** M01RR-00062-12 0088 General clinical research center - Seizures secondary to protein intolerance (human)
- M01RR-00086-12 0019 General clinical research center - children - Intractable hypoglycemia of infancy
- ** M01RR-00284-08 0048 General clinical research center - pediatric - Trial of medium chain triglycerides in intractable convulsive disorders
- ** M01RR-00287-08 0051 General clinical research center - Seizure frequency during first hour after waking (human)
- ** M01RR-00628-04 0045 General clinical research center for children - Nucleic acid metabolism in children with convulsive disorders, mental deficiency
- M01RR-00749-02 0023 General clinical research center - Neurologic and endocrinologic evaluation of young offenders with XYY karyotypes
- ** M01RR-00749-02 0042 General clinical research center - Medium chain triglyceride diet for seizure disorders (human)

NEUROMOTOR DISORDERS, DYSTONIA MUSCULORUM DEFORMANS

- ** R01NS-07680-07 Transfer of neuromuscular mutants to standard strains (mice)

NEUROMOTOR DISORDERS, EXTRAPYRAMIDAL SYNDROMES

- SEE ALSO BRAIN DISORDERS, CEREBELLAR DISORDERS
- SEE ALSO NEUROMOTOR DISORDERS, ATHETOSIS
- SEE ALSO NEUROMOTOR DISORDERS, CHOREOATHETOSIS
- ** R01MH-07097-11 Behavioral and electrical studies of basal ganglia (cats)
- R10NH-08240-11 Drug-screening program for drug-resistant schizophrenics
- R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
- ** R01MH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism
- P01NS-09199-04 0006 Effect of L-dopa on synthesis of amines in brain (human, animals) - Amine synthesizing enzymes in rats with nigral lesions
- M P01NS-11131-01 Extrapyramidal and related behavioral disorders
- ** P01NS-11631-01 0001 Clinical center for research on Parkinson's and allied diseases - Parkinson disease brain bank studies (human)
- ** P01NS-11631-01 0002 Clinical center for research on Parkinson's and allied diseases - Experimental neuropathology studies (human, animals)
- ** M01RR-00030-13 0007 General clinical research center - Extrapyramidal disorders and focal epilepsy with electrode implants (human)

NEUROMOTOR DISORDERS, HYPERKINESIA

- P01ES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)
- P01HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesia
- ** R01MH-25164-01 Paradoxical drug effects on hyperkinesia (squirrel monkeys)
- ** R03MH-25352-01 Brain dysfunction, hyperactivity and lead exposure (rats)
- ** R01NS-06282-08 Experimental study of dyskinesia choreoathetosis (monkeys)
- ** R01NS-08614-07 Genetics and behavior of neurological mutants (Drosophila)
- R01NS-08907-04 Choreiform dyskinesia after striatal lesions (cats, monkey)
- ** P01NS-09704-04 0037 Developmental neurology - Clinical seizures and hyperkinesia by relaxation

NEUROMOTOR DISORDERS, MYOCLONUS

- SEE ALSO NEUROMOTOR DISORDERS, CONVULSIONS
- SEE ALSO NEUROMOTOR DISORDERS, SPASM
- ** R01NS-08935-04 Photomyoclonic epilepsy (baboons)
- ** M01RR-00070-12 0037 General clinical research center - 5-hydroxytryptophan in insomnia induced by myoclonic movements (human)

- ** M01RR-00125-11 0193 General clinical research center - adult-child - Pharmacologic management of action myoclonus

NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)

- SEE ALSO CONGENITAL ABNORMALITIES, NEUROMOTOR, AMYOTONIA CONGENITA
 - SEE ALSO METABOLIC DISORDERS INBORN, FAMILIAL PERIODIC PARALYSIS
 - SEE ALSO METABOLIC DISORDERS INBORN, MUSCULAR DYSTROPHY
 - SEE ALSO METABOLIC DISORDERS INBORN, MYOTONIA ATROPHICA
 - SEE ALSO METABOLIC DISORDERS INBORN, MYOTONIA CONGENITA
 - P01AM-16716-01 0801 Pathophysiological bases of muscle diseases - Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters)
 - ** P01AM-16716-01 0004 Pathophysiological bases of muscle diseases - Neuromyopathycardiomyopathy and therapeutic exercise (human)
 - ** P01AM-16716-01 0009 Pathophysiological bases of muscle diseases - Tropic effects of neurons on skeletal muscle (rats)
 - ** P01AM-16716-01 0014 Pathophysiological bases of muscle diseases - Potential contribution of motor neuron lesions to M.S. (chickens, human)
 - P01ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
 - R01ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
 - P01HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
 - ** P01NS-10920-02 0010 Development and regeneration in the nervous system - Viral arthrogryposis multiplex congenital (chick embryo)
 - R01NS-11160-02 Synapse formation in low-density culture (chick embryo)
 - M01RR-00034-14 0048 General clinical research center - L-dopa therapy in galactorrhea (human)
 - ** M01RR-00043-14 0048 General clinical research center - Neuromuscular disease (human)
 - ** M01RR-00043-14 0075 General clinical research center - Effects of ethinyl alcohol on striated muscle
 - M01RR-00051-13 0092 General clinical research center - Central core disease (human)
 - M01RR-00051-13 0155 General clinical research center - Muscle contractility in man
 - M01RR-00064-10 0007 General clinical research center - Muscle disease-Creatine metabolism (human)
 - M01RR-00064-10 0015 General clinical research center - Chromatographic studies on hereditary aminoacidurias (human)
 - M01RR-00064-10 0031 General clinical research center - Creatine metabolism (human)
 - ** M01RR-00095-14 0073 General clinical research center - Disordered neuromuscular transmission (human)
- NEUROMOTOR DISORDERS, NEUROMUSCULAR, MOTOR SYSTEM DISEASE DEGENERATIVE**
- ** R01NS-04096-13 Normal, degenerating and dystrophic muscle (human, guinea pigs, cats)
 - ** R01NS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
 - ** R01NS-06594-08 Morphological aspects of neuronal injury (animals)
 - R01NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 - R01NS-08045-04 Cytochemical studies of skeletal muscle mitochondria (human, rodents)
 - ** P01NS-08711-04 0002 Fundamental studies relating to multiple sclerosis - Tissue culture studies of amyotrophic lateral and multiple sclerosis (human)
 - R01NS-08907-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
 - ** P01NS-10175-03 0018 Neuromuscular disease research center - Theophylline on normal and denervated muscle (rats)
 - R01NS-10969-01 Electron microscopy of human muscle spindles
 - N01NS-22314-02 Intramuscular stimulation of paralyzed muscle (human)
 - ** N01NS-42309-00 Detection of viral genomes in human neurological diseases
 - ** M01RR-00031-14 0021 General clinical research center - Effect of guanidine on ALS (human)
 - ** M01RR-00036-14 0002 General clinical research center - Spasticity with upper motor neuron lesions (human)
 - ** M01RR-00037-14 0140 General clinical research center - Neurologic testing in progressive muscular atrophy (human)
 - ** M01RR-00336-08 0075 General clinical research center - Effect of guanidine hydrochloride on amyotrophic lateral sclerosis
 - P06RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)

NEUROMOTOR DISORDERS, NEUROMUSCULAR, MYASTHENIA GRAVIS

- P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
- ** P02AM-05630-12 0088 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- R01CA-14827-01 The effects of thymectomy in oncogenesis in humans
- P01GM-15253-08 0019 Genetics in medicine-Gene action in man - Immunologic aberrations
- R01NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ** R01NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
- R01NS-04618-11 Drug-receptor interactions (animals)
- ** R01NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- ** R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- R01NS-11323-01 Purified acetylcholine receptor
- ** R01NS-11436-01 Prednisone in myasthenia gravis (human)
- R01NS-11580-01 New neuropharmacologic tools for cholinergic studies
- ** P01NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)
- P01NS-11766-01 0008 Clinical research center for neuromuscular disease - Myoneural function in full term and premature infants
- ** M01RR-00075-11 0066 General clinical research center for children - Immune parameters in juvenile myasthenia gravis
- ** M01RR-00287-08 0040 General clinical research center - Esophageal motor function in neuromuscular disorders (human)
- ** M01RR-00645-03 0055 Clinical research center - Neuromuscular blocking agents and their antagonists (human)
- ** M01RR-00847-01 0023 Clinical research centers - Treatment of myasthenia gravis with longterm administration of prednisone (human)

NEUROMOTOR DISORDERS, NEUROMUSCULAR, SPINAL MUSCULAR ATROPHY PROGRESSIVE

- ** P01HD-02274-08 0150 Mental retardation and child development - Motor-neuron excitability in children with disorders of muscle tone
- ** M01RR-00059-13 0134 General clinical research center - Genetic variant of spinal muscular atrophies in infancy

NEUROMOTOR DISORDERS, PARALYSIS

- SEE ALSO METABOLIC DISORDERS INBORN, FAMILIAL PERIODIC PARALYSIS
- SEE ALSO NERVOUS DISORDERS PERIPHERAL, FACIAL PARALYSIS
- R01AI-11656-01 Ultrastructural studies of C-virus murine myelopathy
- R01FD-00396-03 Molecular structure of ciguatera (fish)
- R01GM-20401-02 Genetic control of development (Drosophila)
- R01HL-12090-07 Alveolar ventilation in anesthetized man
- P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
- R01NS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
- R01NS-09462-02 Objective measurements of neuromotor spasticity (human)
- ** R01NS-09891-01 Injected paralyzed vocal cord-Long term effects
- R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- ** R01NS-10484-03 Tonic causing paralytic noninflammatory neuropathy (Kawasaki)
- P01NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
- ** R01NS-22314-02 Intramuscular stimulation of paralyzed muscle (human)
- ** R02WU-00434-02 Upper extremity positioning of stroke patients

NEUROMOTOR DISORDERS, PARALYSIS, HEMIPLEGIA

- ** P01HD-06276-03 0023 Mental retardation research program - Acquired aphasia, acute infantile hemiplegia (children)
- ** P01NS-05820-09 0005 Research center for cerebral vascular diseases - Training in hemiplegia recovery (human, primates)
- P01NS-06209-09 0003 Boston University aphasia research center - Clinical case studies, neurology and anatomy (human, monkeys)
- ** R01NS-06563-08 Evaluation of some central and peripheral vestibular mechanisms (human, monkeys)
- ** P01NS-06663-08 0005 Cerebrovascular clinical research center - Physical therapy, surgery, occupational therapy and hemiparesis in stroke (human)

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- ** POINS-06779-06 0004 Cerebrovascular clinical research center - Motor system in cerebrovascular disease
- POINS-06833-08 0003 Interdisciplinary stroke program - Cerebral vascular disorders of infancy and childhood
- ROINS-10236-03 0002 Functional skill remediation in brain damage - Remediation of untreated impairments (human)
- ** POINS-11631-01 0044 Clinical center for research on Parkinson's and allied diseases - Motor neuron response to natural stimuli (monkeys)
- ** MOIRR-00088-11 0036 General clinical research center - Effects of brain damage on brain function-Children with hemiparesis
- ** MOIRR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation

NEUROMOTOR DISORDERS, PARALYSIS,

PARAPLEGIA

- POIHL-13737-04 0020 Assisted circulation - Electrostimulation for evacuation of the neurogenic bladder (human, primates)
- ROINS-08970-04 Pathology of acute, experimental spinal cord injury (monkeys, cats)
- ** ROINS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
- POINS-10164-02 0001 Regional spinal cord trauma center grant - Clinical studies (human)
- POINS-11066-01 0002 Fundamental studies in spinal cord injury - Physiological studies in spinal cord injury (monkeys)
- MOIRR-00030-13 0067 General clinical research center - Spinal cord stimulation with implanted electrodes (human)
- MOIRR-00125-11 0120 General clinical research center-adult-child - Remote stimulation by radiofrequency transmission
- ** MOIRR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation

NEUROMOTOR DISORDERS, PARALYSIS, SPASTIC

SEE ALSO CONGENITAL ABNORMALITIES, BRAIN, CEREBRAL PALSY

- ** MOIRR-00058-13 0055 General clinical research center - Effects of dentatotomy on spasticity (human)

NEUROMOTOR DISORDERS, PARKINSON

DEMENTIA-ALS COMPLEX

- ** ROINS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
- ROINS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
- ROINS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)
- ** NOINS-40044-02 0062 - AMYOTROPHIC LATERAL SCLEROSIS

NEUROMOTOR DISORDERS, PARKINSON'S

DISEASE

SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANTIPARKINSON DRUGS

- ROIAM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- ** POZCA-08341-09 0017 Clinical pharmacology and cancer chemotherapy - L-Dopa in Parkinson's disease
- ROIIDA-00319-01 ACh turnover-Role in morphine and amphetamine activity (rats)
- NOIGM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- ** ROIIMH-02717-16 Role of biogenic amines in central nervous system (mice,rats, monkeys, cattle, h
- ROIIMH-08618-10 0048 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
- ROIIMH-11468-09 0031 Psychopharmacology research center - Clinical pharmacology of DL-PCA
- ROIIMH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism
- ROIIMH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- POINS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)
- ** ROINS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
- ROINS-06820-07 Pharmacology of synaptic transmission in brain (cats)
- ROINS-07657-07 Coenzyme binding and nervous disorders
- ROINS-07888-08 Neural aspects of posture and locomotion (cats)
- ** ROINS-08692-05 Motor control system (human)
- M POINS-09199-04 Effect of L-dopa on synthesis of amines in brain (human, animals)
- ** POINS-09199-04 0002 Effect of L-dopa on synthesis of amines in brain (human, animals) - Psychiatric effects of L-dopa (human)
- ** POINS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinsons (human)
- ** POINS-09199-04 0005 Effect of L-dopa on synthesis of amines in brain (human, animals) - Peripheral manifestations of Parkinsons (human)

- ** POINS-09199-04 0006 Effect of L-dopa on synthesis of amines in brain (human, animals) - Amino synthesizing enzymes in rats with nigral lesions
- ** POINS-09199-04 0007 Effect of L-dopa on synthesis of amines in brain (human, animals) - Characterization of Lewy bodies from brain stem (human)
- ** POINS-09199-04 0008 Effect of L-dopa on synthesis of amines in brain (human, animals) - Cyclic AMP in basal ganglia function (rats)
- ** POINS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)
- POINS-09199-04 0010 Effect of L-dopa on synthesis of amines in brain (human, animals) - Synthesis and degradation of catechol sulfate (human, rats)
- POINS-09199-04 0011 Effect of L-dopa on synthesis of amines in brain (human, animals) - Gas chromatography and mass spectrometry in L-DOPA metabolism (human)
- ROINS-09547-04 Viral subacute and chronic nervous system disease (human)
- M POINS-09649-04 Research in parkinsonism
- ** POINS-09649-04 0001 Research in parkinsonism - Anatomy of aminergic systems in brain (monkeys, rats, human)
- POINS-09649-04 0002 Research in parkinsonism - Neurotensin (monkeys, amphibians, rodents, human)
- POINS-09649-04 0004 Research in parkinsonism - Blood-brain barrier to amines and precursors (rats, rabbits, cats, monkeys)
- POINS-09649-04 0008 Research in parkinsonism - Regeneration in central aminergic systems (monkeys, cats, rats)
- ** POINS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
- ** ROINS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
- ** POINS-11131-01 0011 Extrapyramidal and related behavioral disorders - Physostigmine and pharmacological psychoses caused by levodopa (human)
- ** POINS-11131-01 0012 Extrapyramidal and related behavioral disorders - Apomorphine in parkinsonian patients on or off levodopa
- ** POINS-11131-01 0013 Extrapyramidal and related behavioral disorders - Administration of apomorphine orally (human)
- ** POINS-11131-01 0014 Extrapyramidal and related behavioral disorders - Schwab ergograph in parkinsonism (human)
- ** POINS-11131-01 0015 Extrapyramidal and related behavioral disorders - Diet and treatment of Parkinson's disease with levodopa (human)
- ** POINS-11131-01 0016 Extrapyramidal and related behavioral disorders - Measurements of circulating growth hormone (human)
- ** POINS-11131-01 0017 Extrapyramidal and related behavioral disorders - Cerebrospinal fluid in treated parkinsonian patients
- ** POINS-11131-01 0018 Extrapyramidal and related behavioral disorders - Long term study of patients receiving levodopa
- ** POINS-11131-01 0019 Extrapyramidal and related behavioral disorders - Administration of gamma hydroxybutyric acid to patients with parkinsonism
- ** POINS-11131-01 0020 Extrapyramidal and related behavioral disorders - Administration of L-metytyrosine to patients with parkinsonism
- ROINS-11310-01 Neurotransmitter biosynthesis (cattle)
- ROINS-11556-01 Metal chelates of L-DOPA for Parkinsonism
- ** ROINS-11623-01 Neurochemistry and basal ganglia diseases (human)
- ** POINS-11631-01 0001 Clinical center for research on Parkinson's and allied diseases - Parkinsons disease brain bank studies (human)
- ** POINS-11631-01 0002 Clinical center for research on Parkinson's and allied diseases - Experimental neuropathology studies (human, animals)
- ** POINS-11631-01 0003 Clinical center for research on Parkinson's and allied diseases - Electron microscopy studies (animals)
- ** POINS-11631-01 0006 Clinical center for research on Parkinson's and allied diseases - Influenza virus (mice, monkeys)
- POINS-11631-01 0033 Clinical center for research on Parkinson's and allied diseases - Long term administration of L-Dopa (human)
- ** POINS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)
- ** POINS-11631-01 0040 Clinical center for research on Parkinson's and allied diseases - Pathology of Parkinson's disease (human, monkeys)
- POINS-11631-01 0061 Clinical center for research on Parkinson's and allied diseases - Dopa in cerebrospinal fluid in Parkinson's disease (human)
- ** POINS-11631-01 0062 Clinical center for research on Parkinson's and allied diseases - CSF amino acid levels in Parkinson's disease (human)

- POINS-11631-01 0066 Clinical center for research on Parkinson's and allied diseases - Metabolism of polyamines in the CNS (human)
- ** POINS-11631-01 0068 Clinical center for research on Parkinson's and allied diseases - Interaction of catecholamine and amine acid metabolism
- ROINS-12051-01 Transport of levodopa derivatives (cats)
- ** PO7RR-00003-13 0040 Medical data processing research - Parkinsonian behavior in artificial neural nets
- MOIRR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
- ** MOIRR-00046-14 0025 General clinical research center - L-tryptophan and L-dopa in Parkinsons disease (human)
- MOIRR-00847-14 0098 General clinical research center - Modification of response to L-dopa by diet changes (human)
- MOIRR-00051-13 0006 General clinical research center - Relation of therapeutic and side effects of L-dopa with catecholamine metabolism
- ** MOIRR-00058-13 0049 General clinical research center - Levodopa induced hypotension in Parkinsonism patients (human)
- MOIRR-00060-13 0029 General clinical research center - Dopaminergic system in L-dopa treated Parkinson's disease (human)
- MOIRR-00063-12 0041 General clinical research center - L-dopa and Parkinson's disease
- ** MOIRR-00064-10 0023 General clinical research center - Levodopa-Parkinsons disease (human)
- MOIRR-00070-12 0024 General clinical research center - Effects of L-dopa in Parkinson's disease (human)
- ** MOIRR-00287-08 0040 General clinical research center - Esophageal motor function in neuromuscular disorders (human)
- ** MOIRR-00322-08 0025 General clinical research center - Circadian rhythm in neurologic disorders (human)
- MOIRR-00336-08 0064 General clinical research center - MK-486 and levodopa in Parkinson's disease (human)
- ** MOIRR-00645-03 0066 Clinical research center - Catecholamine metabolism in parkinsonism (human)
- ** MOIRR-00722-02 0003 General Clinical Research Center - Management of Parkinson's disease (human)

NEUROMOTOR DISORDERS, RIGIDITY

NEUROMOTOR

- ROINS-08608-05 Examination of dynamic aspects of motor control (cats, frogs)
- ROINS-09991-03 Hypoxia and increased intracranial pressure

NEUROMOTOR DISORDERS, SPASM

- SEE ALSO NEUROMOTOR DISORDERS, CONVULSIONS
SEE ALSO NEUROMOTOR DISORDERS, MYOCLONUS
SEE ALSO NEUROMOTOR DISORDERS, TETANY
- ROIAM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
 - ** ROINS-09462-02 Objective measurements of neuromotor spasticity (human)
 - ** MOIRR-00036-14 0002 General clinical research center - Spasticity with upper motor neuron lesions (human)

NEUROMOTOR DISORDERS, TETANY

- SEE ALSO MUSCLE FUNCTION, MUSCLE TONE, HYPERMYOTONIA
SEE ALSO NEUROMOTOR DISORDERS, CONVULSIONS
SEE ALSO NEUROMOTOR DISORDERS, SPASM
- ROIHD-07419-02 Bone development and calcium metabolism in fetal rats
 - ROINS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
 - ROINS-10277-02 Mechanisms of variable synaptic efficacy (frogs)

NEUROMOTOR DISORDERS, TREMOR

- ROIAA-00311-03 0004 Metabolic and psychological factors in alcoholism - Sleep and cognitive characteristics during normal drinking and abstinence
- ROIAA-00311-03 0005 Metabolic and psychological factors in alcoholism - Sleep in alcoholics and nonalcoholics exposed to the same alcohol consumption
- ROIAA-00311-03 0007 Metabolic and psychological factors in alcoholism - Sleep and cognitive factors in prolonged ad libitum drinking (human)
- POIES-01059-01 0003 Metallic mercury vapor as an environmental hazard - Biological effects of mercury vapor (human, mice)
- ROIIMH-08833-11 Neuropharmacologic studies of local brain function (cats)
- ROINS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
- ROINS-08608-05 Examination of dynamic aspects of motor control (cats, frogs)
- ROINS-11175-02 ACH and CNS thermoregulation processes (monkeys)
- ** MOIRR-00047-14 0085 General clinical research center - Propranolol treatment of essential tremor (human)

NEUROMOTOR DISORDERS CHEMOTHERAPY

SEE ALSO MUSCLE RELAXANTS
SEE ALSO MUSCLE STIMULANTS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS
 SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANTIPARKINSON DRUGS
 SEE ALSO NEUROPHARMACOLOGICAL AGENTS, CONVULSANTS
- R01AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- PO1AM-16716-01 0021 Pathophysiological bases of muscle diseases - Role of immune complexes and cell mediated immunity in polymyositis (human)
- PO1EY-00299-09 0023 Neurophysiology of the visual apparatus - Pharmacological weakening of extraocular muscles (monkeys)
- R01GM-07884-13 3-Phosphoglycerate dehydrogenase (chickens)
- PO1GM-19599-02 0007 Surveillance and predictive diagnosis in surgical patients - Neuromuscular junction studies (human, cats)
- ** PO1HD-02274-08 0012 Mental retardation and child development - Behavioral research (monkeys)
- PO1HD-02274-08 0040 Mental retardation and child development - Ficrest research laboratories (human)
- PO1HD-02274-08 0053 Mental retardation and child development - Clinical studies of anticonvulsant activity
- PO1HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
- R01MH-05286-12 0002 Psychophysiology of perception - AEPs in the assessment of epilepsy and anticonvulsant levels (human)
- R01MH-16384-05 Brain functions and behavior (rats, rabbits, mice)
- PO1MH-16674-06 0030 A program of psychiatry-oriented biological research - Integrity of substantia nigra GABA neurons in Huntington's chorea (human)
- R01MH-25164-01 Paradoxical drug effects on hyperkinesia (squirrel monkeys)
- ** PO1MH-25515-01 0023 Collaborative biological research on schizophrenia - Effects of drugs on tardive dyskinesias in schizophrenics
- ** NO1NS-02281-06 Carbamazepine in the treatment of epilepsy (human)
- PO1NS-03354-13 0004 Neurosensory center - Neurochemistry (human)
- PO1NS-03360-14 0006 Neurological clinical research center-Epilepsy - Clinical pharmacology of antiepileptic drugs (human)
- RO1NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
- M PO1NS-04053-12 Epilepsy
- PO1NS-04053-12 0011 Epilepsy - Behavioral physiology (monkeys)
- PO1NS-04053-12 0013 Epilepsy - Physiological studies in the human
- PO1NS-06208-09 0004 Epilepsy research program - Action of diphenylhydantoin (lobsters, rats, cattle, rabbits)
- PO1NS-06208-09 0020 Epilepsy research program - Clinical evaluation of dimethoxymethyl phenobarbital (human)
- PO1NS-06208-09 0021 Epilepsy research program - Folinic acid therapy in epilepsy (human)
- ** RO1NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- PO1NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- PO1NS-08711-04 0011 Fundamental studies relating to multiple sclerosis - Electrophysiology (human)
- M PO1NS-09199-04 Effect of L-dopa on synthesis of amines in brain (human, animals)
- ** PO1NS-09199-04 0001 Effect of L-dopa on synthesis of amines in brain (human, animals) - Therapeutic and side effects of L-dopa (human)
- PO1NS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinsons (human)
- ** PO1NS-09199-04 0005 Effect of L-dopa on synthesis of amines in brain (human, animals) - Peripheral manifestations of Parkinsons (human)
- PO1NS-09287-04 0013 Baylor center for cerebrovascular research - Neuropsychological studies in cerebrovascular disease and dementias (human)
- PO1NS-10175-03 0001 Neuromuscular disease research center - Muscle enzyme and penicillamine studies-Animal research
- ** PO1NS-10175-03 0002 Neuromuscular disease research center - Muscle enzyme and penicillamine studies-Human research
- ** PO1NS-10175-03 0006 Neuromuscular disease research center - Myotonia-Effect of cholesterol lowering drugs (goats)
- RO1NS-10262-03 Anticonvulsant and psychoactive drug-induced osteomalacia (human, rats)
- RO1NS-10385-01 Duchenne's muscular dystrophy-Therapy and basic studies (rabbits, human)
- RO1NS-10391-01 Effects of L-dopa on brain serotonin (mice)
- RO1NS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
- PO1NS-11131-01 0011 Extrapyramidal and related behavioral disorders - Physostigmine and pharmacological psychoses caused by levodopa (human)
- PO1NS-11131-01 0015 Extrapyramidal and related behavioral disorders - Diet and treatment of Parkinson's disease with levodopa (human)
- PO1NS-11131-01 0016 Extrapyramidal and related behavioral disorders - Measurements of circulating growth hormone (human)
- PO1NS-11131-01 0018 Extrapyramidal and related behavioral disorders - Long term study of patients receiving levodopa
- PO1NS-11131-01 0019 Extrapyramidal and related behavioral disorders - Administration of gamma hydroxybutyric acid to patients with parkinsonism
- PO1NS-11131-01 0020 Extrapyramidal and related behavioral disorders - Administration of L-metytyrosine to patients with parkinsonism
- RO1NS-11436-01 Prednisone in myasthenia gravis (human)
- ** RO1NS-11443-01 Computational investigations of problems in neurology
- RO1NS-11623-01 Neurochemistry and basal ganglia diseases (human)
- PO1NS-11631-01 0033 Clinical center for research on Parkinson's and allied diseases - Long term administration of L-Dopa (human)
- PO1NS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)
- ** PO1NS-11631-01 0062 Clinical center for research on Parkinson's and allied diseases - CSF amino acid levels in Parkinson's disease (human)
- MO1RR-00031-14 0021 General clinical research center - Effect of guanidine on ALS (human)
- MO1RR-00036-14 0070 General clinical research center - L-dopa for childhood movement disorders (human)
- MO1RR-00037-14 0040 General clinical research center - Evaluation of carbamazepine (human)
- ** MO1RR-00044-14 0073 General clinical research center - Cardiac conduction abnormalities in myotonic dystrophy (human)
- MO1RR-00046-14 0025 General clinical research center - L-tryptophan and L-dopa in Parkinsons disease (human)
- MO1RR-00047-14 0092 General clinical research center - Action of L-dopa in athetoid cerebral palsy (human)
- MO1RR-00047-14 0098 General clinical research center - Modification of response to L-dopa by diet changes (human)
- MO1RR-00047-14 0099 General clinical research center - Treatment of movement disorders with piribedil (human)
- MO1RR-00051-13 0006 General clinical research center - Relation of therapeutic and side effects of L-dopa with catecholamine metabolism
- MO1RR-00055-13 0112 General clinical research center - Acanthosis nigricans a result of stilbestrol therapy
- MO1RR-00058-13 0034 General clinical research center - Clonazepam in treatment of absence epilepsy (human)
- MO1RR-00058-13 0050 General clinical research center - Levodopa induced hypetension in Parkinsonism patients (human)
- MO1RR-00060-13 0029 General clinical research center - Dopaminergic system in L-dopa treated Parkinson's disease (human)
- MO1RR-00060-13 0030 General clinical research center - Combined L-dopa and alpha methyl-dopa or alpha methyl-dopahydrazine (human)
- MO1RR-00064-10 0023 General clinical research center - Levodopa-Parkinsons disease (human)
- MO1RR-00064-10 0066 General clinical research center - Hexahydrocoenzyme Q4-Investigation of toxicity (human)
- MO1RR-00065-12 0009 General clinical research center - Intractable seizures (human)
- MO1RR-00069-12 0034 General clinical research center, children - L-dopa in movement disorders
- MO1RR-00070-12 0024 General clinical research center - Effects of L-dopa in Parkinson's disease (human)
- MO1RR-00071-11 0038 General clinical research center - Evaluation of MK-486 in Parkinsons disease (human)
- MO1RR-00075-11 0066 General clinical research center for children - Immune parameters in juvenile myasthenia gravis
- MO1RR-00095-14 0051 General clinical research center - Penicillamine treatment of muscular dystrophy (human)
- MO1RR-00095-14 0074 General clinical research center - Propranolol for Duchenne muscular dystrophy (human)
- MO1RR-00305-08 0022 Clinical research center for children - Multidisciplinary study of muscular dystrophy
- MO1RR-00336-08 0006 General clinical research center - Effect of amantadine hydrochloride on Parkinsons disease (human)
- MO1RR-00336-08 0064 General clinical research center - MK-486 and levodopa in Parkinson's disease (human)
- MO1RR-00336-08 0075 General clinical research center - Effect of guanidine hydrochloride on amyotrophic lateral sclerosis
- MO1RR-00349-08 0034 General clinical research center - L-Dopa and release of pituitary hormones (human)
- MO1RR-00425-06 0069 General clinical research center - Hypothalamic-pituitary function in Parkinson's disease treated with L-Dopa (human)
- MO1RR-00628-04 0020 General clinical research center for children - Primidone metabolism
- MO1RR-00645-03 0055 Clinical research center - Neuromuscular blocking agents and their antagonists (human)
- MO1RR-00645-03 0066 Clinical research center - Catecholamine metabolism in parkinsonism (human)
- MO1RR-00722-02 0003 General Clinical Research Center - Management of Parkinson's disease (human)
- ** MO1RR-00722-02 0033 General Clinical Research Center - Treatment of Duchenne muscular dystrophy with corticosteroids (human)
- MO1RR-00722-02 0034 General Clinical Research Center - Multiple sclerosis (human)
- ** MO1RR-00847-01 0023 Clinical research centers - Treatment of myasthenia gravis with longterm administration of prednisone (human)
- NEUROMOTOR DISORDERS CONGENITAL**
 SEE CONGENITAL ABNORMALITIES, NEUROMOTOR
- NEUROMOTOR DISORDERS DIAGNOSIS**
 SEE NEUROMOTOR EXAMINATIONS*
- NEUROMOTOR EXAMINATIONS***
- ** R01AA-00660-01 Torson swing tests with alcohol
- RO1NS-07237-07 Partial ablation of vestibular system and equilibrium (monkeys)
- MO1RR-00037-14 0140 General clinical research center - Neurologic testing in progressive muscular atrophy (human)
- ** MO1RR-00051-13 0155 General clinical research center - Muscle contractility in man
- MO1RR-00722-02 0034 General Clinical Research Center - Multiple sclerosis (human)
- NEUROMOTOR SYSTEM**
 SEE ALSO BRAIN, CEREBRAL CORTEX, MOTOR CORTEX
 SEE ALSO HEART, CONDUCTION SYSTEM
 SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
 SEE ALSO NERVOUS SYSTEM CENTRAL, EXTRAPYRAMIDAL TRACTS
 SEE ALSO NERVOUS SYSTEM CENTRAL, PYRAMIDAL TRACTS
 SEE ALSO NERVOUS SYSTEM CENTRAL, SUBCORTICOSPINAL TRACTS
 SEE ALSO PSYCHOMOTOR FUNCTION
 SEE ALSO SKELETAL MOVEMENT, BODY MOVEMENT
- RO1GM-19851-02 Genetic control of development (nematodes)
- ** PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- ** RO1HD-07375-02 Molecular basis of neuromuscular development (nematodes)
- PO1HL-13738-03 0003 Cardiac assist devices and artificial hearts - Pathophysiological effects of the artificial heart (calves)
- ** R03MH-24382-01 Neural control of feeding (crayfish)
- RO1NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- RO1NS-07616-13 Acoustic perception and echo-orientation (bats)
- RO1NS-08048-04 Comparative studies on mammalian nervous system (monkeys)
- ** RO1NS-08221-06 Role of cerebellum in control of movement (cats, monkeys)
- ** RO1NS-08692-05 Motor control system (human)
- ** RO1NS-08728-05 Neuromuscular mechanisms of larynx (monkeys)
- RO1NS-08996-05 Peripheral and central studies of neural organization (insects)
- RO1NS-10424-01 Electromyographic-cinefluorographic studies of speech (human)
- ** RO1NS-10457-03 Ultrastructure and function of nerve and muscle (crayfish)
- ** RO1NS-10509-03 Functional analysis of the nervous system (helminths)
- ** RO1NS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
- PO1NS-11132-01 0004 Neural basis of effects produced by spinal cord damage - Interactions between neurons and effector organs (mammals)
- PO1NS-11601-01 Special clinical center for communications research (children)
- RO1NS-11695-01 Factors in reflex motor control (cats)
- ** RO1NS-12078-01 Anatomical organization of the brain (chicks)
- ** MO1RR-00128-10 0074 General clinical research center for children - Motor development in infants with congenital brain anomalies
- NEUROMOTOR SYSTEM, MOTOR NEURONS**
- PO1AM-16716-01 0006 Pathophysiological bases of muscle diseases - Sensory input and motor activity (cats)
- ** PO1AM-16716-01 0014 Pathophysiological bases of muscle diseases - Potential contribution of motor neuron lesions to M.S. (chickens, human)
- RO1CA-10337-08 0003 Spin labeling and membrane structure - Effect of osmium tetroxide on motion along fatty acid drains (lobster, mice)
- RO1DA-00538-01 Thiamine deficiency (rats, mice)
- RO1ES-00902-02 Diagnosis and therapy of chronic childhood plumbism

(contd)

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 **Oriented significantly to above subject.
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PO1EY-00299-09 0021 Neurophysiology of the visual apparatus 2 Coordinates of extraocular muscles in steady state (cat)

RO1EY-00828-03 Anatomy and physiology of visuomotor systems (cats, fish)

** RO1EY-00848-03 Motoneuron and motor unit control of eye movements (monkeys, cats)

RO1EY-00955-03 Alert primate oculomotor system

RO1EY-01074-02 Eye movement-Physiological organization (cats)

PO1GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)

** PO1HD-02274-08 0034 Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)

PO1HD-02274-08 0150 Mental retardation and child development - Motor-neuron excitability in children with disorders of muscle tone

PO1HD-03015-08 0011 Program for developmental biology - Development of neuronal pathways (lobsters)

RO1HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)

PO1HD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)

** RO1HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)

PO1HL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)

RO1HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)

R23HL-17103-01 Control of active expiration (cats)

RO1HL-17689-02 Neurophysiologic studies of respiratory control (cats)

RO1MH-16598-06 Neuroembryology of behavior (birds, opossum)

** PO1NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, neoturus)

** RO1NS-02567-15 Problems of nerve cell physiology (human, cats, monkeys)

** RO1NS-02619-15 Studies on motor control (cats)

RO1NS-02944-14 Neural organization in ganglia (crayfish)

** RO1NS-02957-14 Suprasegmental influences on spinal motoneurons (baboons)

PO1NS-04053-12 0003 Epilepsy - Neurophysiology-Firing mechanisms (cats)

RO1NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)

RO1NS-04989-11 Integration of sensory input (clams, crayfish)

RO1NS-05423-10 Neural basis of behavior (crayfish)

RO1NS-05611-10 Spinal synaptic transmission and biogenic amines (cats)

PO1NS-06779-06 0004 Cerebrovascular clinical research center - Motor system in cerebrovascular disease

RO1NS-07154-07 Calcium actions on central nervous system neurons (animals)

** RO1NS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)

RO1NS-07410-07 A comparative study of the extrapyramidal system (opossum)

RO1NS-07441-03 Morphological and enzymatic studies of neurogenesis (chick embryo, rats)

RO1NS-07442-08 Physiology of synapses in normal and mutants

** RO1NS-07685-06 Vestibular control of sensory mechanisms (cats)

** RO1NS-07710-06 Sensory and motor aspects of respiration (cats)

RO1NS-07888-08 Neural aspects of posture and locomotion (cats)

PO1NS-07938-06 0002 Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)

** PO1NS-07938-06 0003 Peripheral and central nervous system - Quantum hypothesis and spinal motoneurons

** RO1NS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)

** RO1NS-08596-06 Neural processes in somatic movement (monkeys)

RO1NS-08603-05 Autoradiography of intracellularly applied chemicals (cats)

** RO1NS-08608-05 Examination of dynamic aspects of motor control (cats, frogs)

RO1NS-08692-05 Motor control system (human)

** RO1NS-08798-04 Role of the red nucleus in motor function (opossum)

RO1NS-08869-04 Physiology of the central nervous system (Limulus)

** RO1NS-09050-04 Neuronal control of locomotion and neuronal ontogeny (animals)

RO1NS-09083-04 Behavioral neurophysiology (locust)

** RO1NS-09196-04 Discharge patterns of motoneurons (cats, frogs)

** RO1NS-09322-04 Neuronal geometry and integration in ganglia (lobsters)

RO1NS-09361-04 Plasticity of the simplest neuronal pathways (animals)

RO1NS-09367-04 Organization of primitive spinal cord (lamprey)

** RO1NS-09420-04 Long-term nerve-muscle interactions (rats)

** RO1NS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)

** RO1NS-09677-04 Motoneuron repetitive firing mechanisms (cats)

RO1NS-09738-04 Excitatory effects of barbiturates (cats, frogs, rabbits)

RO1NS-09743-05 Synaptic connections of spinal cord neurons (animals)

RO1NS-09971-02 Use and disuse of spinal pathways (cats, rats)

** RO1NS-10137-03 Upper and lower motoneurons (Doe constrictor)

RO1NS-10304-02 Spinal tract projections to ventral horn interneurons (cats)

** RO1NS-10319-03 Monosynaptic transmission in spiral neurons (cats)

** RO1NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)

RO1NS-10492-03 Computer analysis of neuron structure and function (frogs)

RO1NS-10647-01 Studies of spinal response plasticity (cat)

RO1NS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)

** RO1NS-10857-01 Organization of the motoneuron-pool and its inputs (cats)

** PO1NS-10920-02 0015 Development and regeneration in the nervous system - Studies of chromatolysis (frogs)

RO1NS-10969-01 Electron microscopy of human muscle spindles

PO1NS-11132-01 0002 Neural basis of effects produced by spinal cord damage - Posttranssectional hyperreflexia (frogs)

PO1NS-11132-01 0004 Neural basis of effects produced by spinal cord damage - Interactions between neurons and effector organs (mammals)

** PO1NS-11132-01 0007 Neural basis of effects produced by spinal cord damage - Isolation and characterization of plasma membranes from motoneurons (cattle)

** RO1NS-11177-01 Neural role in muscular dystrophy (chickens)

** RO1NS-11190-01 Histochemical studies of neural influences (rabbits)

PO1NS-11255-01 0001 Comparative neurobiology (aphysia, fish, sea lions) - Neurophysiological correlates of long-term sensitization in aphysia

PO1NS-11255-01 0007 Comparative neurobiology (aphysia, fish, sea lions) - Comparative nervous system control mechanisms in fish

RO1NS-11383-01 Synaptic connectivity in motor systems (crayfish)

** RO1NS-11513-01 Neural mechanism of mutant phenotypes (Drosophila)

RO1NS-11518-01 Motor unit organization during locomotion (cats)

** PO1NS-11631-01 0044 Clinical center for research on Parkinson's and allied diseases - Motor neuron response to natural stimuli (monkeys)

** PO1NS-11631-01 0046 Clinical center for research on Parkinson's and allied diseases - Intracellular response of motor neuron to knee

** PO1NS-11631-01 0071 Clinical center for research on Parkinson's and allied diseases - Conduction velocity of motor nerve fibers (cats)

RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)

PO1NS-11780-01 0003 Neuromuscular mechanisms underlying speech production - Facial and mandibular motor reflexes

PO1NS-11780-01 0004 Neuromuscular mechanisms underlying speech production - Voluntary control (primates, human and nonhuman)

RO1NS-11834-01 Fine structure of spinal cord (monkeys, cats)

** RO1NS-12043-01 Effects of anticonvulsants on motoneuron development

NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

** PO1AM-16716-01 0008 Pathophysiological bases of muscle diseases - Neuromuscular system in task performance and its damage in MO (chickens)

** PO1AM-16716-01 0010 Pathophysiological bases of muscle diseases - AChE, membrane enzymes and trophic effects of nerves (chickens, mammals, human)

RO1AM-17293-01 Laxative effects on dog intestinal motility

PO1DE-02918-06 0007 Oral-facial growth and development in primates - Mastication (M nemestrina)

RO1ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)

RO1EY-00383-12 Effects of illumination on binocular space perception (human)

RO1GM-18680-03 Effect of beta-alanine on behavior (Drosophila)

** RO1HL-16353-02 Pharmacologic evaluation of neurovascular dilation

RO1NS-08014-07 Genetics and behavior of neurological mutants (Drosophila)

** RO1NS-08608-05 Examination of dynamic aspects of motor control (cats, frogs)

** RO1NS-10368-01 Receptive field organization of somatosensory cortex (primates)

RO1NS-10460-01 Neurophysiology of excitable cells in vivo

** RO1NS-11010-01 Neurobiology of insect development and metamorphosis (lepidoptera)

RO1NS-11160-02 Synapse formation in low-density culture (chick embryo)

RO1NS-11190-01 Histochemical studies of neural influences (rabbits)

M PO1NS-11780-01 Neuromuscular mechanisms underlying speech production

PO1NS-11780-01 0003 Neuromuscular mechanisms underlying speech production - Facial and mandibular motor reflexes

PO1NS-11780-01 0004 Neuromuscular mechanisms underlying speech production - Voluntary control (primates, human and nonhuman)

** RO1NS-11798-01 Cerebellar correlates of motor performance (cats)

RO1NS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)

RO1NS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)

NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

** PO1AM-16716-01 0009 Pathophysiological bases of muscle diseases - Tropic effects of neurons on skeletal muscle (rats)

** PO1CA-14097-02 0014 Cancer research program-Viruses; control mechanisms - Neuronal connections, synaptic function and plasticity (mammals)

PO1DA-00259-03 0004 Research center-Studies of drug dependence and abuse - Psychometric drugs of abuse and stress on skeletal muscle (rats, monkeys)

PO1ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)

RO1ES-00814-05 Mode of action of insecticides (American cockroach, flies)

PO1ES-01059-01 0003 Metallic mercury vapor as an environmental hazard - Biological effects of mercury vapor (human, mice)

RO1GM-11754-11 Autoradiographic studies of receptors and enzymes (monkeys, rodents, chickens)

PO1GM-15904-07 0008 Anesthesiology center for research and teaching - New ester quarternary ammonium compounds (rats, rabbits, cats)

M PO1GM-15991-06 0019 Anesthesia research center

PO1GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)

RO1GM-19079-03 0006 One MEV scanning transmission electron microscope - Formation and final configuration of intracellular junction in embryonic tissue

RO1HD-01026-10 0802 Cytology of mammalian differentiation - Skeletal muscle (rats)

P17HL-15061-03 0006 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)

RO1MH-18396-03 Myopathy of psychosis and psychotropic drugs (human, rats, monkeys)

** RO1NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)

PO1NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, neoturus)

RO1NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)

RO1NS-04618-11 Drug-receptor interactions (animals)

RO1NS-04988-11 Cholinergic receptor activation and desensitization (frogs)

RO1NS-05721-10 Neurogenesis and development of behavior (chick embryos)

RO1NS-06232-09 Formation and function of synapses (animals)

RO1NS-06277-09 Electron microscopy of myopathies (human, rats)

RO1NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)

RO1NS-06545-09 Biophysical cytology of cultured neural tissues (human, mice, chick embryo)

RO1NS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)

RO1NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)

** PO1NS-07464-07 0017 Laboratory of neurobiology - Blocking action of Botulinum toxin on the neuromuscular function (frogs)

PO1NS-07468-07 Sensory biology research center

** RO1NS-07495-07 Comparative cytology of nerve and muscle tissues (animals)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- PO1NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
- RO1NS-07681-07 Physiology of muscle function (frogs, amoeba)
- RO1NS-07740-07 Receptor desensitization in muscle (mice, frogs)
- PO1NS-07938-06 0003 Peripheral and central nervous system - Quantum hypothesis and spinal motoneurons
- PO1NS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
- ** RO1NS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
- ** RO1NS-08427-06 Stereochemical requirements for NMJ blockade (cats)
- RO1NS-08610-04 Neural activity and behavior (barnacles)
- RO1NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
- ** RO1NS-08770-04 Neuromuscular relations in organotypic cultures (mice, rats)
- RO1NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
- ** RO1NS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
- RO1NS-09330-04 Development of neurons and related cells in vitro (*Drosophila*)
- ** RO1NS-09420-04 Long-term nerve-muscle interactions (rats)
- RO1NS-08474-04 Integrative mechanisms in ganglia (decapods)
- ** RO1NS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
- RO1NS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- RO1NS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)
- PO1NS-10175-03 0011 Neuromuscular disease research center - Acute effects of paraion on transmitter release (rats)
- RO1NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- ** RO1NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
- ** RO1NS-10460-01 Neurophysiology of excitable cells in vitro
- ** RO1NS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
- RO1NS-10716-01 Muscular dystrophy—Alterations mediated by exercise (hamsters)
- ** RO1NS-10883-01 Transmitter release at the nerve-muscle junction (frogs)
- PO1NS-10920-02 0001 Development and regeneration in the nervous system - Trophic effect of acetylcholine on developing muscle receptors (rat)
- RO1NS-10957-01 Ache nerve-muscle interactions and muscular dystrophy (chickens, chick embryo)
- PO1NS-10981-02 0005 Control of activity in excitable tissues - Studies on neuromuscular transmission (frogs)
- RO1NS-11177-01 Neural role in muscular dystrophy (chicken)
- RO1NS-11383-01 Synaptic connectivity in motor systems (crayfish)
- RO1NS-11436-01 Prednisone in myasthenia gravis (human)
- ** RO1NS-11445-01 Transmitter release from the neuromuscular junction (frogs)
- ** RO1NS-11576-01 Development of sympathetic junctions in culture (rats)
- RO1NS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)
- RO1NS-11756-01 Conductance of nicotinic acetylcholine receptors (torpedos)
- PO1NS-11766-01 0011 Clinical research center for neuromuscular disease - Clinical neurophysiology
- PO1NS-11766-01 0012 Clinical research center for neuromuscular disease - Regeneration of dystrophic muscle (human, mice, rabbits)
- RO1NS-11798-01 Cerebellar correlates of motor performance (cats)
- RO1NS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)

NEUROMOTOR SYSTEM, NEUROMUSCULAR TRANSMISSION

- SEE ALSO HEART, CONDUCTION SYSTEM
- SEE ALSO MUSCLE FUNCTION, MUSCLE CONTRACTION
- RO1AM-02015-16 0008 Motor and electrical activity of the alimentary canal - Control of motor activity across the gastroduodenal junction (dogs)
- ** PO1CA-14195-01 0007 Core grant-Regulation, the cell membrane and cancer - Membrane structure and function (tissue culture)
- RO1DA-00322-01 Physical dependence on barbiturates (mice)
- RO1ES-00396-06 Tolerance to cholinesterase inhibitors (rats)
- RO1ES-00649-03 Lead and mercury ions and chemical synapse (frogs)
- RO1EY-00402-07 Control of tissue-sensitivity to autonomic agents (rats, hamsters)
- ** RO1EY-00592-06 Oculomotor control (monkeys)

- RO1EY-01189-02 Eye movement—The role of brain stem neurons (monkeys)
- ** PO1EY-01319-01 0005 Visual science research center support - Mesencephalic influence on lateral geniculate nucleus (primates)
- ** PO1GM-09069-12 0068 Research in anesthesiology - Neuromuscular transmission and blockade in vitro (anurans)
- PO1GM-09069-12 0070 Research in anesthesiology - Tachyarrhythmia and the neuromuscular refractory period in man
- PO1GM-09069-12 0099 Research in anesthesiology - Neuromuscular transmission in pediatric patients
- PO1GM-09069-12 0109 Research in Anesthesiology - Action of diazepam/tycholine
- ** PO1GM-09069-12 0111 Research in anesthesiology - Electrophysiology of neuromuscular transmission (mice)
- PI1GM-15190-08 0015 Center for toxicological research and training - Drugs affecting autonomic nervous system (rats, human)
- RO1GM-16424-06 Enzyme systems using nuclear magnetic resonance
- RO1GM-19107-02 The traumatology of the head and spine (human, monkeys)
- PO1GM-19599-02 0007 Surveillance and predictive diagnosis in surgical patients - Neuromuscular junction studies (human, cats)
- ** RO1GM-19984-02 0002 Structure and function of proteins at molecular level - Neurochemical processes—The cholinergic receptor molecule
- PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- PO1HD-02528-08 0085 Research center in mental retardation - Chemical communication in nervous tissue
- ** RO1HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
- RO1HD-08265-01 Analysis of response speed in mental retardation
- RO1HL-14523-04 Generation and regulation of force in smooth muscle (animals)
- RO1MH-20142-03 Mechanism of action of psychotomimetic drugs (rats, frogs)
- ** RO1MS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- RO1MS-02944-14 Neural organization in ganglia (crayfish)
- RO1MS-03178-12 Myotonic muscle (goats, mice, rats, birds, wallabies)
- ** RO1MS-03304-13 0001 Proteins in excitable membranes - Acetylcholinesterase (electric eel, mammals)
- ** RO1MS-03304-13 0003 Proteins in excitable membranes - Protein components in excitable membrane fragments (electric eel, rats)
- RO1MS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
- RO1MS-03728-11 Generation and role of bioelectric activity (animals)
- RO1MS-04699-09 Biological significance of cholinesterases other than ACh (human, animal)
- RO1MS-04988-11 Cholinergic receptor activation and desensitization (frogs)
- RO1MS-05910-08 Cell physiology correlated with ultrastructure (crayfish)
- ** PO1MS-06779-06 0004 Cerebrovascular clinical research center - Motor system in cerebrovascular disease
- ** PO1MS-06828-08 0023 Neurophysiology—Sensory systems and cerebral cortex - Neurons of parietal area 5 in relation to movement
- ** PO1MS-06828-08 0024 Neurophysiology—Sensory systems and cerebral cortex - Sensory events in the limb movements, in the waking, behaving monkey
- ** PO1MS-06828-08 0033 Neurophysiology—Sensory systems and cerebral cortex - Supraspinal control of autogenetic reflexes (cats)
- ** PO1MS-06828-08 0034 Neurophysiology—Sensory systems and cerebral cortex - Regulatory properties of autogenetic reflex
- ** PO1MS-06828-08 0035 Neurophysiology—Sensory systems and cerebral cortex - Alpha-gamma coupling
- RO1MS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
- ** RO1MS-07495-07 Comparative cytology of nerve and muscle tissues (animals)
- ** RO1MS-07662-08 Structure of nerve endings (rats, chickens)
- RO1MS-07681-07 Physiology of muscle function (frogs, amoeba)
- RO1MS-07740-07 Receptor desensitization in muscle (mice, frogs)
- ** RO1MS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- RO1MS-08014-07 Genetics and behavior of neurological mutants (*Drosophila*)
- ** RO1MS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
- RO1MS-09012-05 Microneurophysiology (animals)
- ** RO1MS-09042-05 Presynaptic basis of neuromuscular transmission (rats)
- ** RO1MS-09087-05 Pharmacology of nerve-muscle systems (animals)
- ** RO1MS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)

- RO1NS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
 - ** RO1NS-09474-04 Integrative mechanisms in ganglia (decapods)
 - RO1NS-09627-04 Physiological bases of dysarthria (human)
 - RO1NS-09649-04 Post synaptic proteins at neuromuscular junction (rats)
 - ** RO1NS-09654-04 Genetic variants of synaptic proteins (nematoeas)
 - RO1NS-09696-04 Neural control of discrete behavioral processes (snails)
 - RO1NS-10033-04 Neural membrane activity-Related structural changes (snails)
 - RO1NS-10154-03 Swallowing in the developing and mature nervous system (cats, primates)
 - ** RO1NS-10161-04 Individual neurons in a single nervous system (leeches)
 - PO1NS-10164-02 0001 Regional spinal cord trauma center grant - Clinical studies (human)
 - M PO1NS-10175-03 Neuromuscular disease research center
 - RO1NS-10207-03 Neuromuscular synapse in cell culture (frogs, rats)
 - ** RO1NS-10277-02 Mechanisms of variable synaptic efficacy (frogs)
 - ** RO1NS-10349-03 Neurotrophic influence on muscle (rabbits)
 - RO1NS-10393-03 General anesthetics and sympathetic ganglia
 - ** RO1NS-10417-02 Basic causes of nerve-muscle excitability dysfunction (human, rats, mice)
 - ** RO1NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)
 - ** RO1NS-10460-01 Neurophysiology of excitable cells in vitro
 - ** RO1NS-10488-02 Cerebellar neuronal activity and motor behavior (cats)
 - ** RO1NS-10492-03 Computer analysis of neuron structure and function (frogs)
 - ** RO1NS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
 - RO1NS-10509-03 Functional analysis of the nervous system (helminths)
 - RO1NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
 - ** RO1NS-10722-01 Calcium transport in the sarcoplasmic reticulum (rabbits)
 - ** RO1NS-10792-02 Physiology of synapses developing in vivo (salamanders)
 - RO1NS-10917-01 Dynamics in neural populations
 - PO1NS-10981-02 0001 Control of activity in excitable tissues - Studies on internal muscle fiber membranes (spiders, frog, fish)
 - ** PO1NS-10981-02 0005 Control of activity in excitable tissues - Studies on neuromuscular transmission (frogs)
 - PO1NS-10981-02 0008 Control of activity in excitable tissues - Radial spread of activation in single muscle fibers (frogs)
 - RO1NS-11055-02 Control of mammalian muscle during reinnervation (rat)
 - RO1NS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 - RO1NS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
 - ** RO1NS-11431-01 Fine structure of synapses and their modification (animals)
 - ** RO1NS-11445-01 Transmitter release from the neuromuscular junction (frogs)
 - RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
 - PO1NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)
 - ** PO1NS-11766-01 0008 Clinical research center for neuromuscular disease - Myoneural fraction in full term and premature infants
 - ** PO1NS-11766-01 0011 Clinical research center for neuromuscular disease - Clinical neurophysiology
 - ** RO1NS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)
- NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)**
- ** PO1AM-16716-01 0006 Pathophysiological bases of muscle diseases - Sensory input and motor activity (cats)
 - RO1DA-00388-01 Evaluation of sustained methadone ingestion (mammals)
 - PO1HD-06276-03 0039 Mental retardation research program - Somatosensory evoked potentials, sucking and swallowing in newborns (human)
 - ** PO1HD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)
 - ** RO1HD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)
 - R23HL-17103-01 Control of active expiration (cats)
 - ** RO1MH-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
 - ** RO3MH-25660-01 Hypothalamic control of sensorimotor functions (rats)
 - ** PO1NS-06208-09 0023 Epilepsy research program - Sensorimotor EEG rhythm (human)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- PO1NS-09704-04 0039 Developmental neurology - Eye movement related visual suppression (primates)
- ** RO1NS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
- ** RO1NS-10311-03 Cerebellar cerebral interactions (monkeys)
- RO1NS-10605-01 Sensory control of feeding (black blowfly)
- ** RO1NS-10654-01 Dynamic properties of speech sensorimotor systems (human)
- PO1NS-11066-01 0001 Fundamental studies in spinal cord injury - Electrophysiological studies in spinal cord injury (cats)
- PO1NS-11066-01 0005 Fundamental studies in spinal cord injury - Clinical electrophysiological studies in spinal cord injury (human)
- RO1NS-11491-01 Interlimb aspects of neural control of locomotion (cat)
- RO1NS-11695-01 Factors in reflex motor control (cats)
- ** RO1NS-11949-01 Anatomical basis of spinal sensory-motor organization (cats)
- ** RO1NS-12030-01 Central interactions with somatosensory neurons (cats)
- RO1NS-12047-04 0001 Role of lipids and lipoproteins in membranes - Brain polyphosphoinositides (rats)

NEUROMUSCULAR BLOCKING AGENTS

SEE MUSCLE RELAXANTS, NEUROMUSCULAR BLOCKING AGENTS

NEUROMUSCULAR BLOCKING AGENTS DEPOLARIZING

SEE MUSCLE RELAXANTS, NEUROMUSCULAR BLOCKING AGENTS DEPOLARIZING

NEUROMUSCULAR DISORDERS

SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)

NEUROMUSCULAR JUNCTION

SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

NEUROMUSCULAR STIMULANTS

SEE MUSCLE STIMULANTS

NEUROMUSCULAR STIMULATORS (FOR NEUROMOTOR DISORDERS)

- ** PO1GM-14267-09 0014 Microelectronics laboratory for biomedical science - Implant stimulators for the disabled (cats, human)
- RO1NS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)

NEUROMUSCULAR SYSTEM

SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

NEUROMUSCULAR TRANSMISSION

SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR TRANSMISSION

NEURONAL CEROID-LIPOFUSCINOSIS

SEE METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS

NEURONAL LIPIDOSES, CEREBROTENDINOUS XANTHOMATOSIS TYPE

SEE LIPOGRANULOMATOSSES, CEREBROTENDINOUS XANTHOMATOSIS

NEURONAL LIPIDOSES, CEROID-LIPOFUSCIN TYPE

SEE METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS

NEURONAL LIPIDOSES, FARBER'S TYPE

SEE LIPOGRANULOMATOSSES, FARBER'S DISEASE

NEURONAL LIPIDOSES, SPHINGOLIPID TYPES

SEE METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES

NEURONS

SEE NERVOUS SYSTEM, NEURONS

NEUROPATHOLOGY

SEE NERVOUS DISORDERS (GENERAL)

NEUROPHARMACOLOGICAL AGENTS

SEE ALSO PSYCHOPHARMACOLOGICAL AGENTS
 RO1CA-11982-04 Influence of central nervous system on oncogenesis (rats)

- PO1GM-15991-06 0051 Anesthesia research center - Binding of lidocaine in nerves and other tissues (rabbits)
- RO1GM-20457-02 0003 GC-MS and stable isotopes in pharmacological research - Release of biogenic amines from brain by amphetamine-correlation with behavior
- PO1HD-02274-08 0129 Mental retardation and child development - Modification of isolation-induced abnormalities by drugs (monkeys)
- RO1HL-10912-09 Development of the conduction system of the heart (chickens, mice)
- ** RO1MH-14110-07 0017 Neural modulation and transmission - Neuroamines and neurotropic drugs (earthworms, frogs)
- ** RO1MH-19438-04 0002 Neurochemistry of obesity and learned taste aversions - Peripheral and endocrine influences on changes in feeding (rats)

- ** RO1MH-19438-04 0003 Neurochemistry of obesity and learned taste aversions - Noradrenergic feeding and satiety in genetically obese rats (and mice)
- RO1MH-19438-04 0004 Neurochemistry of obesity and learned taste aversions - Brain mechanisms that control insulin in relation to obesity (rats, mice)
- ** RO1MH-19438-04 0006 Neurochemistry of obesity and learned taste aversions - Effect of drug treatment of hypothalamus on behavior (rats)
- RO1MH-19438-04 0007 Neurochemistry of obesity and learned taste aversions - Conditioned taste aversion (rats)
- ** RO1MH-24949-01 Drugs, behavior and the cholinergic nervous system
- PO1NS-02808-13 0021 Special clinical research project in neurophysiology - Telemetry of the ictal EEG signal complex (human)
- RO1NS-09348-04 Glycoproteins in brain (rats, rabbits)
- PO1NS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
- RO1NS-11239-02 Mechanism of neuromuscular flow (cattle)
- PO1NS-11647-01 0007 Peripheral and central auditory mechanisms - Search for the afferent transmitter substance (guinea pig, cat, rat)

NEUROPHARMACOLOGICAL AGENTS, ANALEPTICS

SEE ALSO NEUROPHARMACOLOGICAL AGENTS, CONVULSANTS

- PO2CA-15145-01 0021 Cancer center support grant - Steroid 5 alpha-reductase activity in human brain tumors (rats)
 - RO1DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
 - ** PO1DA-00250-03 0003 Research center-Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of psychomotor stimulants (monkeys)
 - RO1DA-00962-01 Cardiovascular effects of l-alpha acetylmethadol (LAAM)
 - RO1DA-01015-01 Behavioral pharmacology of narcotics and narcotic antagonists (human)
 - ** RO1DA-01057-01 0001 Drugs of abuse-Pharmacokinetics, metabolism and response - Stimulant drugs and minimal brain dysfunction (children)
 - ** RO1DA-01057-01 0002 Drugs of abuse-Pharmacokinetics, metabolism and response - A twin study of response to amphetamine (human)
 - NO1DA-40179-00 Synthesis of stimulants, depressants and hallucinogens subject to abuse
 - PO1GM-15430-07 0024 Research in anesthesia - Medullary integration of chemoreceptor information (cats)
 - ** PO1HD-02528-08 0082 Research center in mental retardation - Effect of central nervous system stimulants on hyperactive children
 - RO1MH-04151-14 0010 Psychology and physiology of sleep - Effects of sleep deprivation and amphetamine on performance (rats)
 - ** RO1MH-12526-09 Drug effects on learning and memory (rats, mice)
 - ** RO1MH-14432-07 Early screening and long-term drug therapy of children
 - PO1MH-16674-06 0019 A program of psychiatry-oriented biological research - Amantadine HCL in treatment of hyperkinetic syndrome (children)
 - RO1MH-17039-05 Psychophysiological studies in hyperactive children
 - RO1MH-17471-05 Drugs on EEG correlates of behavior (primates, cats)
 - RO1MH-18332-05 Temporal organization in behavior and development (human)
 - RO1MH-20583-02 Pharmacotherapy of hyperactive children
 - RO1MH-22019-02 Psychotropic drug assessment (human)
 - RO1MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
 - RO1MH-24284-01 Conformations of psychoactive substances
 - RO3MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)
 - RO3MH-25319-01 A physiological model of childhood hyperkinesia (rats)
 - RO3MH-25361-01 Action of amphetamine on cells of the brain (snails)
 - ** RO1NS-07758-06 NMR studies of cell excitation (frogs, rats)
 - RO1NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
 - RO1NS-11019-01 Action of amphetamine on cells of the brain
 - MO1RR-00062-12 0025 Clinical research center, children - Relationship of sleep and growth hormone secretion
 - MO1RR-00188-10 0051 General clinical research center for children - Nutritional requirements of hyperkinetic children
 - MO1RR-00425-06 0047 General clinical research center - Doxopram hydrochloride in primary alveolar hypoventilation syndrome (human)
- NEUROPHARMACOLOGICAL AGENTS, ANALGESICS**
 SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT DRUGS
- RO1AA-00084-07 Erythropoiesis in megaloblastic anemias (human)

- ** PO1AM-01431-18 0006 Rheumatic diseases - Clinical pharmacology
- P17AM-17328-01 0010 Peptic ulcer center - Pain relief by antacids (human)
- PO2CA-05838-13 0024 Clinical radiotherapy cancer research center - Supportive care techniques-Children
- PO1CA-07368-11 0004 Interrelationships of normal and cancer cells - Electrophysiological studies with electrodes (human, monkeys)
- PO1CA-07368-11 0009 Interrelationships of normal and cancer cells - Effect of exogenous catecholamines in amygdala (cats, monkeys)
- PO1CA-08748-09 5617 Research program of Sloan-Kettering Institute - Combined administration of pentazocine and morphine (human)
- ** PO1CA-08748-09 5618 Research program of Sloan-Kettering Institute - Relative oral-parenteral potency of propiram fumarate in chronic pain
- ** PO1CA-08748-09 5635 Research program of Sloan-Kettering Institute - Analgesic potency of tilidine and morphine (human)
- ** PO1CA-08748-09 5640 Research program of Sloan-Kettering Institute - Analgesic potency of oral SU-197138 and codeine (human)
- ** PO2CA-11911-04 0008 Clinical cancer center - Analgesics and narcotics in patients with advanced cancer
- PO1CA-12227-04 0016 Core program in carcinogenesis - Control of hemoglobin synthesis by erythroid cells (human)
- PO2CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
- PO2CA-13696-02 0052 Clinical cancer research center - Reactions of cancer patients to nursing intervention (human)
- R26CA-15407-02 Chemotherapy of prostatic cancer
- PO1CA-15655-01 0032 Cancer center support grant - Acupuncture treatment for relief of pain (human)
- R26CA-16768-01 International bladder cancer study-Planning phase (human)
- RO1CA-16903-01 Vinyl trifluoromethanesulfonate chemistry
- ** RO1DA-00016-12 Factors in tolerance to the narcotic analgesics (rats)
- ** RO1DA-00117-04 Stereochemistry of 2-aminotetraolin analgesics
- PO1DA-00250-03 0006 Research center-Studies of drug dependence and abuse - Autoradiography of psychopharmacological agents (rats, mice)
- ** PO1DA-00254-03 0001 Drug abuse basic research center - Dependence upon narcotic analgesics and antagonists (monkeys, guinea pigs)
- ** RO1DA-00289-02 Mechanism of narcotic action tolerance and dependence
- RO1DA-00770-01 Quantum chemical studies of opiate narcotics
- ** RO1DA-00808-01 Biological disposition of narcotic analgesics in man
- ** RO1DA-00934-01 Brain chromatin-its role in analgesic tolerance
- RO3DA-00966-01 Narcotic antagonists
- RO1DA-00995-01 Treatment of narcotic addiction by inhibition of craving (human)
- RO1DA-01006-01 Narcotic addiction and neuroendocrine function (cats, rats)
- RO1DE-02152-09 0012 Dental physiology and biophysics - Neurophysiology of the tooth
- ** RO1DE-02152-09 0014 Dental physiology and biophysics - Analgesics and pulpal pain (mammals)
- RO1DE-02152-09 0015 Dental physiology and biophysics - Cerebral cortex and elationation of pain (mammals)
- P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
- P13DE-02731-08 0005 Development support for dental research institute - Dental research (rats, cattle, human)
- RO1DE-03485-03 Cerebral responses to tooth pulp stimulation in man
- RO1GM-10848-17 NMR spectroscopy of biologically important compounds (human)
- PO1GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
- PO1GM-12527-10 0006 Anesthetic and related drugs - Biostatistics (human)
- ** PO1GM-12527-10 0008 Anesthetic and related drugs - Bioassay and efficacy of analgesics and nighttime sedatives (human)
- ** PO1GM-12527-10 0009 Anesthetic and related drugs - Bioassay for respiratory depression of analgesics and nighttime sedatives (human)
- ** PO1GM-12527-10 0010 Anesthetic and related drugs - Bioassay of premedication (human)
- PO1GM-15430-07 0014 Research in anesthesia - Opioid tolerance and dependence (guinea pigs, human)
- P11GM-15431-08 0039 Research center for clinical pharmacology and drug toxicology - Influence of age upon drug disposition and elimination (human)
- P11GM-15431-08 0041 Research center for clinical pharmacology and drug toxicology - Influence of liver disease upon drug disposition and elimination (human, rats)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** P11GM-15477-08 0017 Drug metabolism and biochemical pharmacology - Antagonism by naloxone of narcotic and narcotic-antagonist analgesics

** P11GM-15477-08 0018 Drug metabolism and biochemical pharmacology - Formation of tolerance on analgesic receptors (mice)

** P11GM-15477-08 0019 Drug metabolism and biochemical pharmacology - A possible selective alkylator of analgesic receptors (mice, rats)

P11GM-15477-08 0108 Drug metabolism and biochemical pharmacology - Phenyl piperidine narcotic analgesics in rats

** P01GM-15571-06 0032 Anesthesia research-Program project - Pharmacologic implications of analgesic distribution

P01GM-15571-06 0076 Anesthesia research-Program project - Obstetrical anesthesia-Methoxyflurane analgesia and renal toxicity (human)

P01GM-15904-07 0026 Anesthesiology center for research and teaching - Pain and anxiety in children with burns

P01GM-15904-07 0027 Anesthesiology center for research and teaching - Pain

P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)

P01GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)

P01GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)

P11GM-16216-06 0013 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism-Mepiperidine (rats, human)

P11GM-16216-06 0024 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism-Alphenal (rodents)

P11GM-16216-06 0030 Toxicological problems of drugs (placental transfer, lactation) - Mepiperidine (human infants)

P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)

P11GM-16216-06 0053 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Active agents other than ethical drugs (human)

** R01GM-19234-03 Electrochemical medicinal synthesis

** R01GM-20228-01 Human analgesic assay with laboratory pain

R01GM-21311-01 Photoelectron spectroscopy of drugs and carcinogens

R01HD-07240-05 Fetal effects of sulfoconjugation in pregnant rats

** R01HD-07300-02 Hemostasis and hemorrhagic disease in children (human)

R01HL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)

P01HL-05435-14 0022 Cardiovascular research and training program - Anesthesia research laboratory (human)

R01HL-06128-14 Relationships between coagulability and thrombosis (human, rabbits, monkeys)

R01HL-12971-12 Reactions of alkylolids and their analogs

R01HL-14808-02 Microcirculation in sickle cell anemia (rats)

P01HL-15833-01 0004 Pharmacologic and physiologic basis of cardiac therapy - Mechanism of drug action in myocardial infarction (dogs)

P01HL-15833-01 0007 Pharmacologic and physiologic basis of cardiac therapy - Effects of pharmacologic agents in patients undergoing cardiac catheterization

R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)

R01MH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)

R01MH-13049-09 Experimental studies of long-term stress (human, monkeys, rats)

R01MH-17489-05 Psychopharmacologic activity-Quantum chemical study (rats)

R01MH-20946-02 Psychoactive agents in the brain (rats)

R01MH-24284-01 Conformations of psychoactive substances

R01MH-25170-01 Toxic interaction of opiates with COMT inhibitors

R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)

** R01NS-08738-05 Site-directed alkylating agents for narcotic receptors

R01NS-08829-06 ACH turnover and choline metabolism in the CNS (rats, guinea pigs)

** R01NS-09178-10 Biochemical mono and polyphosphate crystal structures

** R01NS-10090-02 Synthesis of geometrically defined analgesics

R01NS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)

** R01NS-10712-02 Synthesis and biology of some analgesics

R01NS-10823-02 Cellular neuropharmacology of drug action

R01NS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)

M01RR-00059-13 0164 General clinical research center - Effects of liethyronine induced hypermetabolism on dipyrone metabolism (human)

M01RR-00059-13 0165 General clinical research center - Effect of hypo- and hyperthyroidism on dipyrone metabolism (human)

P07RR-00273-09 0020 Mass spectrometric facility for biomedical research - Azabicyclo chemistry

** M01RR-00645-03 0050 Clinical research center - Effect of diazepam on sedative, anesthetic and narcotic-analgesic drugs (human)

M01RR-00645-03 0053 Clinical research center - Effect of centrally-acting drugs on turnover rate of biogenic amines (human)

NEUROPHARMACOLOGICAL AGENTS, ANALGESICS, ANTIPIRETTICS

SEE ALSO DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTINFLAMMATORY AGENTS

** R01CA-13121-16 Studies in phytochemistry (compositae)

P11GM-15956-07 0057 Factors affecting the responses to drugs - Pharmacokinetic studies of acetaminophen in children

P01HL-08899-10 0026 Oxygenation and oxygen effects in man - Physiological, toxic effects of oxygen on central nervous system (human, animals)

R01HL-14808-02 Microcirculation in sickle cell anemia (rats)

** R01NS-00031-25 Physiology and pharmacology of brain stem (cats, rats)

** R01NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)

R01NS-12033-01 Behavior and physiological thermoregulation (rats)

NEUROPHARMACOLOGICAL AGENTS, ANESTHETICS

R01AA-00262-04 Action of alcohol and related substances on nerve (invertebrates)

R01AA-00326-01 Mechanisms of tolerance to ethanol (fish)

R01AA-00975-01 A physico-chemical study of ethanol activity (mice)

R01AA-01066-01 Physical dependence on alcohol (mice)

R01AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)

** R01AM-16715-03 Anesthetic-drug interactions with the liver (rats)

** P02CA-11198-06 0007 Cancer research center - Drug action (mice)

P01CA-13038-03 0051 Experimental therapeutics and cancer drug program - Mepiperidine interaction with anesthetics and anticancer agents

P02CA-15145-01 0015 Cancer center support grant - Metabolism of murine L-1210 leukemic cells

P02CA-15145-01 0016 Cancer center support grant - Control of cell division (tissue culture)

R01DA-00124-03 Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats)

P01DA-00254-03 0005 Drug abuse basic research center - Interactions between centrally-acting drugs (dogs)

P13DE-02600-08 0031 Planning of a research center in oral biology - Axonal transport in the trigeminal nerve (rats)

** R01EY-00091-08 Neuromuscular effects of anesthetic agents (cats)

** P01GM-09069-12 0024 Research in anesthesiology - Pharmacokinetics of tubocurarine (human)

** P01GM-09069-12 0030 Research in anesthesiology - Clinical pharmacology of pancuronium (human)

** P01GM-09069-12 0053 Research in anesthesiology - W19053, local anesthetic (rodents)

** P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)

P01GM-09069-12 0064 Research in anesthesiology - Halothane anesthesia and pulmonary shunting (dogs)

P01GM-09069-12 0078 Research in anesthesiology - Pharmacokinetics of stereoisomers of thiopental

P01GM-09069-12 0081 Research in anesthesiology - Thiopental-succinylcholine-oxygen anesthesia (human)

** P01GM-09069-12 0086 Research in anesthesiology - 3'-dideuteriopentobarbital-2-14C (human)

P01GM-09069-12 0087 Research in anesthesiology - Pharmacokinetics of barbiturate thiopental

P01GM-09069-12 0091 Research in anesthesiology - Thiopental-succinylcholine-oxygen anesthesia

P01GM-09069-12 0119 Research in anesthesiology - Central and peripheral histamine release (dogs)

** P01GM-09069-12 0121 Research in anesthesiology - Anesthetics and smooth muscle function

M P01GM-12527-10 Anesthetic and related drugs

P01GM-12527-10 0001 Anesthetic and related drugs - Uptake, distribution and metabolism (human, animals)

P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)

P01GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)

P01GM-12527-10 0007 Anesthetic and related drugs - Chemistry and analytic techniques (human)

R01GM-12862-10 Effects of structure on biological mechanisms

P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)

P11GM-15190-08 0001 Center for toxicological research and training - Toxicology of fluoride (human, rats)

** P01GM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue

** P01GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)

** P01GM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)

** P01GM-15430-07 0014 Research in anesthesia - Opioid tolerance and dependence (guinea pigs, human)

P01GM-15430-07 0024 Research in anesthesia - Medullary integration of chemoreceptor information (cats)

** P11GM-15477-08 0015 Drug metabolism and biochemical pharmacology - Transplacental passage of ketamine and fetal distribution (human)

** P11GM-15477-08 0103 Drug metabolism and biochemical pharmacology - Ketamine-A new dissociative anesthetic agent (rats, human)

P01GM-15571-06 0062 Anesthesia research-Program project - Interactions between anesthetics (dogs)

P01GM-15571-06 0063 Anesthesia research-Program project - Human studies-Cyclopropane MAC

P01GM-15571-06 0064 Anesthesia research-Program project - Human studies-Vasopressors

** P01GM-15571-06 0065 Anesthesia research-Program project - Human studies-Premedication and MAC

** P01GM-15571-06 0066 Anesthesia research-Program project - Human studies-Age and MAC

P01GM-15571-06 0067 Anesthesia research-Program project - Interaction of nitrous oxide with pressure induced by noon (mice)

** P01GM-15571-06 0068 Anesthesia research-Program project - Anesthetic uptake and distribution (human, animals)

** P01GM-15571-06 0069 Anesthesia research-Program project - Chronic toxicity of general anesthetics in human hepatic cells

** P01GM-15571-06 0070 Anesthesia research-Program project - Interaction of anesthetics with drugs that alter CNS monoamines (human, dogs)

** P01GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins

** P01GM-15904-07 0002 Anesthesiology center for research and teaching - Anesthetics and non-enzyme proteins, polypeptides and cellular components

** P01GM-15904-07 0003 Anesthesiology center for research and teaching - Molecular interactions of anesthetics (mice, newts)

** P01GM-15904-07 0004 Anesthesiology center for research and teaching - Molecular basis of action of general anesthetics

** P01GM-15904-07 0005 Anesthesiology center for research and teaching - Solubility of anesthetics in body fluids

** P01GM-15904-07 0007 Anesthesiology center for research and teaching - Anesthetics and evolved potentials in sympathetic ganglion cells

** P01GM-15904-07 0009 Anesthesiology center for research and teaching - Anesthetics and mechanical properties of heart muscle

** P01GM-15904-07 0031 Anesthesiology center for research and teaching - Subjective and behavioral effects of anesthetics

** P01GM-15904-07 0033 Anesthesiology center for research and teaching - Intracellular localization of anesthetics

** P01GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)

P01GM-15991-06 0050 Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)

P01GM-15991-06 0051 Anesthesia research center - Binding of lidocaine in nerves and other tissues (rabbits)

P01GM-15991-06 0086 Anesthesia research center - Regional anesthesia in managing abnormal uterine contraction (human)

P01GM-15991-06 0095 Anesthesia research center - Anesthesia and anesthetic agents and phagocytosis and antigen processing (human)

P01GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation

P01GM-15991-06 0097 Anesthesia research center - Effect of anesthesia on cytotoxic activity of lymphoid cells against tumor (mice)

P01GM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange

** P01GM-15991-06 0100 Anesthesia research center - General anesthetics-Central targets (cats, monkeys)

P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients

** R01GM-16498-06 Metabolism of volatile fluorinated anesthetics in man

** R01GM-17158-03 Metabolism of volatile anesthetics (human, rats)

** R01GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)

R01GM-19813-02 Anesthetic alteration of cell structure and function (mice, decapods)

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**** RO1GM-20082-01** Preparation of fluorinated volatile anesthetics
P11GM-20387-02 0005 Multidisciplinary research program in pharmacology-toxicology - Pharmacological activity of metabolites of beta-blocking drugs (mammals, human)
**** RO1GM-20560-01** Anesthesia and pathways of brain glucose oxidation (cattle)
**** RO1GM-21201-01** Anesthesia and electrical activity of the brain (human)
RO1GM-21311-01 Photoelectron spectroscopy of drugs and carcinogens
PO1HD-02274-08 0078 Mental retardation and child development - Biochemical mechanisms of anesthetic action (mammals)
PO1HD-02274-08 0092 Mental retardation and child development - The mother (human, mammals)
**** RO1HD-05935-03** Anesthetic and myometrial contractility (human, rats)
RO1HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)
**** RO1HD-08130-01** Teratogenicity of anesthetics (rats)
RO1HL-04801-14 Cardiac conduction and cardiac contraction (dogs)
**** PO1HL-05435-14 0022** Cardiovascular research and training program - Anesthesia research laboratory (human)
PO1HL-05435-14 0031 Cardiovascular research and training program - Vivarium (mammals)
PO1HL-06285-14 0147 Cardiovascular-respiratory physiology and biochemistry - Metabolic regulation of cerebral microcirculation (cats)
PO1HL-06296-14 0001 Human adaptation to environmental and exercise stress - Dimensional analysis of ventricular function (dogs)
RO1HL-06736-14 Biogenic-mechanical factors in microcirculation (rats, dogs)
RO1HL-13191-04 Actions of drugs and ions on cardiac membranes (human, rabbits, guinea pigs)
RO1HL-13207-04 Small vessel mechanisms during hemorrhagic shock (rats, dogs)
**** RO1HL-13257-05** Inhalation anesthesia in myocardial metabolism (dogs, human, rats)
RO1HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
PO1HL-13517-04 0006 Circulatory performance and prediction - Cardiac muscle performance dynamics of component fibers (cats, rats, rabbits)
P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
P17HL-14228-04 0008 Specialized center of research in thrombosis - Thrombus formation detection and prevention in animals and man
PO1HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
P18HL-15169-03 0018 Comprehensive sickle cell disease center - Studies on sickle cell disease (human, rats, mice, dogs)
**** RO1HL-15219-02** Sickle cell diseases anesthetics and other drugs (human)
**** RO1HL-15392-02** Sympathomimetic and circulations of anesthetics (mammals)
**** RO1HL-17091-01** Anesthetics and microvascular response to hemorrhage (rats, dogs)
R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
RO1MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
**** PO1NS-02808-13 0030** Special clinical research project in neurophysiology - Effect of anesthetic agents on electrical activity (human)
RO1NS-03321-13 Electrolytes in nerve and muscle function (frogs)
PO1NS-03360-14 0031 Neurological clinical research center-Epilepsy - EEG and activation (human)
RO1NS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
RO1NS-04618-11 Drug-receptor interactions (animals)
PO1NS-05820-09 0001 Research center for cerebral vascular diseases - Brain energy and acid based parameters (rats)
PO1NS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)
**** RO1NS-08014-07** Genetics and behavior of neurological mutants (*Drosophila*)
RO1NS-08236-05 Bio-heat transfer studies (human, cats)
RO1NS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
RO1NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
**** RO1NS-09335-04** Drug interactions with brain microtubule (human, chick embryos)
RO1NS-09738-04 Excitatory effects of barbiturates (cats, frogs, rabbits)
RO1NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)

RO1NS-09839-04 Stereochemical basis of anticonvulsant drug activity
**** RO1NS-09870-02** Effects of anesthetics on cerebral metabolism (dogs)
RO1NS-10384-03 Drug actions on CNS metabolism (cats)
**** RO1NS-10485-03** Local anesthetics, nerves and bilayers
RO1NS-10618-02 Mechanisms of neurotransmitter release (rats)
RO1NS-10823-02 Cellular neuropharmacology of drug action
RO1NS-10922-01 Central mechanisms of visceral and somatic pain (cats)
**** RO1NS-11284-01** Drug effects on vestibular neurons (cats)
RO1NS-11360-01 Properties of microtubular proteins (mammals, sea urchin)
RO1NS-11600-01 Membrane concentrations of drugs and toxic compounds
**** MO1RR-00032-14 0027** General clinical research center - Innovar in treatment of Meniere's disease (human)
**** MO1RR-00044-14 0088** General clinical research center - Toxicity following methoxyflurane anesthesia (human)
MO1RR-00054-13 0064 General clinical research center - CV effect of forane and ethrane on volunteers
**** MO1RR-00058-13 0040** General clinical research center - General anesthesia and esophageal motor function (human)
**** MO1RR-00064-10 0061** General clinical research center - Effect of halothane anesthesia on epilepsy (human)
**** PO7RR-00639-01 0002** Interdepartmental NMR facility health center - Chemical basis of anesthesia
MO1RR-00645-03 0045 Clinical research center - Metabolism of halothane in infants and children
**** MO1RR-00645-03 0049** Clinical research center - Effect of alfuplorin on sedative and anesthetic drugs (human)
**** MO1RR-00645-03 0050** Clinical research center - Effect of diazepam on sedative, anesthetic and narcotic-analgesic drugs (human)
**** MO1RR-00645-03 0051** Clinical research center - Effects of stereoisomers of various barbiturates (human)
MO1RR-00645-03 0053 Clinical research center - Effect of centrally-acting drugs on turnover rate of biogenic amines (human)
NEUROPHARMACOLOGICAL AGENTS, ANESTHETICS, LOCAL
RO1AM-18083-01 Ionic regulation of gluconeogenesis (rats, guinea pigs)
RO1FD-00014-07 Neutralizing snake venom toxicity by chemical agents (mice)
**** PO1GM-09069-12 0095** Research in anesthesiology - New long-acting local anesthetic, W-19053 (human)
**** PO1GM-09069-12 0096** Research in anesthesiology - Motor block produced by anesthetics
P11GM-15759-08 0042 Clinical pharmacology in rheumatic and muscular diseases - Electrophysiological studies of human skeletal muscle and effects of drugs
**** PO1GM-15904-07 0006** Anesthesiology center for research and teaching - Drug-nerve interactions (squid)
PO1GM-15904-07 0007 Anesthesiology center for research and teaching - Anesthetics and evolved potentials in sympathetic ganglion cells
PO1GM-15904-07 0010 Anesthesiology center for research and teaching - Obstetrical anesthesia and perinatal care
**** PO1GM-15991-06 0013** Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
**** PO1GM-15991-06 0093** Anesthesia research center - Disposition of local anesthetics-Relationship to pathophysiological status
**** PO1GM-15991-06 0102** Anesthesia research center - Placental transfer of local anesthetics (monkeys)
PO1GM-16496-06 0001 Clinical pharmacology-Pharmacokinetics - Pharmacology, pharmacokinetics and metabolism of lidocaine (primates)
RO1HD-04839-05 0004 Metabolism of drug substrates by human placenta - N-hydroxylation and N-oxidation reactions (rats, monkeys)
RO1HL-13321-04 Effect of drugs on Purkinje and ventricular fibers (dogs, guinea pigs)
RO1HL-15829-01 Regulation of vascular smooth muscle contractility
PO1HL-16117-01 0003 Ion movements and membranes in cardiovascular control - Fast kinetic study of calcium membrane interactions
R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
RO1MH-16841-06 0011 Effect of central nervous system lesions on drug action - Local anesthetic actions on isolated olfactory cortex (guinea pigs)
**** RO1MH-21312-03 0017** Endocrinological determinants of behavior - Effects of anesthetic ointments applied to penis of rhesus monkey and guinea pig
RO1NS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
RO1NS-08770-04 Neuromuscular relations in organotypic cultures (mice, rats)
**** RO1NS-09608-05** Biochemical aspects of nerve function (rats)
RO1NS-10833-01 Analysis of changes in muscles caused by denervation (rat, guinea pig, and rabbit)

RO1NS-11680-01 Membrane concentrations of drugs and toxic compounds
NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS
RO1AA-00084-07 Erythropoiesis in megablastic anemias (human)
PO1AM-00002-28 0014 Metabolic and hereditary disorders - Steroid studies
RO1AM-00668-20 Calcium and phosphate transport (rats)
RO1AM-04652-14 Intestinal absorption of mineral ions (chickens)
RO1CA-13285-03 Pancreatic effects of cancer chemotherapeutic agents (mice)
**** RO1DA-00346-01** Anticonvulsant properties of marijuana and serranines (rats, mice)
PO1ES-00948-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
**** P11GM-15431-08 0017** Research center for clinical pharmacology and drug toxicology - Anticonvulsant drugs (mice, rats)
**** P11GM-15431-08 0018** Research center for clinical pharmacology and drug toxicology - N-N-butyl-barbital (rats, mice, dogs)
**** P11GM-15431-08 0053** Research center for clinical pharmacology and drug toxicology - Investigation of primidone C14 in man
P11GM-15477-08 0009 Drug metabolism and biochemical pharmacology - Metabolism of diphenylhydantoin-C14 by liver homogenates (rats)
P11GM-15477-08 0010 Drug metabolism and biochemical pharmacology - Diphenylhydantoin-C14 in fetal and maternal tissues (mice)
P11GM-15477-08 0011 Drug metabolism and biochemical pharmacology - Diphenylhydantoin in the human
P11GM-15477-08 0012 Drug metabolism and biochemical pharmacology - Drug transfer into the central nervous system and across the placenta (rats)
P11GM-15477-08 0013 Drug metabolism and biochemical pharmacology - Effect of diphenylhydantoin on tissue uptake of digoxin-H3
P11GM-15477-08 0083 Drug metabolism and biochemical pharmacology - Association of cleft lip with diphenylhydantoin
P11GM-15477-08 0090 Drug metabolism and biochemical pharmacology - Interaction of sulfthiamine and diphenylhydantoin (dogs)
P11GM-15477-08 0094 Drug metabolism and biochemical pharmacology - Plasma drug content estimation (human)
P11GM-15477-08 0095 Drug metabolism and biochemical pharmacology - Gas chromatographic analysis of sulfthiamine (dogs)
P11GM-15956-07 0053 Factors affecting the responses to drugs - Metabolism of orally administered primidone in children of temporal lobe epilepsies
**** PO1GM-15991-06 0013** Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
**** P11GM-16216-06 0002** Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)
P11GM-16216-06 0052 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Therapeutic agents in common use (human)
PO1GM-18715-02 0011 Biochemical effects and chemical reactions of drugs - Isolation and identification of drug metabolites (dogs)
**** P11GM-20852-01 0005** Clinical pharmacokinetics and biopharmacokinetics - Clinical pharmacokinetics of anticonvulsant drugs (human)
PO1GM-21054-01 0003 Human genetics center - Cytogenetics core laboratory
RO1GM-21248-01 0003 New applications of mass spectrometry in pharmacology - Excreted metabolites of vitamin D (human)
RO1HD-01823-11 Effect of amine acids on metabolism, EEG, and behavior (human, rats)
**** PO1HD-02274-08 0012** Mental retardation and child development - Behavioral research (monkeys)
PO1HD-02274-08 0040 Mental retardation and child development - Finest research laboratories (human)
**** PO1HD-02274-08 0053** Mental retardation and child development - Clinical studies of anticonvulsant activity
**** PO1HD-02274-08 0054** Mental retardation and child development - Molecular structure of anticonvulsants
**** PO1HD-02528-08 0057** Research center in mental retardation - Pharmacokinetics of anticonvulsants in children
PO1HD-02528-08 0083 Research center in mental retardation - Detection of brain destruction by serum isocitric dehydrogenase (human)
PO1HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)
R10MH-03701-15 0001 Clinical new chemotherapeutic agent evaluation - Activity and chronic schizophrenia chemotherapy

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriental significantly to above subject.
 N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R10MH-03701-15 0002 Clinical new chemotherapeutic agent evaluation - Controls in chronic schizophrenia chemotherapy evaluation
 R10MH-03701-15 0003 Clinical new chemotherapeutic agent evaluation - Long term chronic schizophrenia chemotherapy
 R10MH-03701-15 0004 Clinical new chemotherapeutic agent evaluation - Acute and adolescent schizophrenia
 ** R01MH-05286-12 0002 Psychophysiology of perception - AEPs in the assessment of epilepsy and anticonvulsant levels (human)
 ** P01MH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)
 ** R01MH-14110-07 0015 Neural modulation and transmission - Convulsions and antiepileptic drugs (earthworms)
 R01MH-16128-06 Early clinical drug evaluation unit
 R01MH-16384-05 Brain functions and behavior (rats, rabbits, mice)
 ** R01MH-17471-05 Drugs on EEG correlates of behavior (primates, cats)
 ** R01MH-21035-03 Clinical prediction and treatment of episodic violence
 R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
 R01MH-22340-02 New method for studying drug effects on learning (pigeons)
 R01MH-23414-02 Central actions of hallucinogenic drugs (rabbits, rats)
 R01MH-24284-01 Conformations of psychoactive substances
 R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
 ** N01NS-02281-06 Carbamazepine in the treatment of epilepsy (human)
 ** P01NS-02808-13 0029 Special clinical research project in neurophysiology - Effects of diazepam and phenobarbital on cortical and limbic EEG activity (human)
 R01NS-02812-14 Chronic focal epileptogenic lesions and deep structures (animals)
 M P01NS-03354-13 Neurosensory center
 ** P01NS-03354-13 0004 Neurosensory center - Neurochemistry (human)
 ** P01NS-03360-14 0006 Neurological clinical research center-Epilepsy - Clinical pharmacology of antiepileptic drugs (human)
 ** P01NS-03360-14 0045 Neurological clinical research center-Epilepsy - Clinical pharmacology-Protein binding of antiepileptic drugs (human)
 P01NS-03360-14 0047 Neurological clinical research center-Epilepsy - Pharmacology-Toxicology of diphenylhydantoin (human, tissue culture)
 P01NS-03360-14 0052 Neurological clinical research center-Epilepsy - Chromosome analysis and diphenylhydantoin (human, tissue culture)
 ** P01NS-03360-14 0059 Neurological clinical research center-Epilepsy - Neuropsychology-Effects of antiepileptic drugs (human)
 R01NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)
 ** P01NS-04053-12 0009 Epilepsy - Electrical concomitants of positive reinforcement (rats)
 ** P01NS-04053-12 0011 Epilepsy - Behavioral physiology (monkeys)
 P01NS-04053-12 0013 Epilepsy - Physiological studies in the human
 ** P01NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
 ** P01NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)
 P01NS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
 R01NS-05424-10 Energy-utilizing process in the CNS (guinea pigs)
 R01NS-05611-10 Spinal synaptic transmission and biogenic amines (cats)
 R01NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
 R01NS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 P01NS-06208-09 0004 Epilepsy research program - Action of diphenylhydantoin (lobsters, rats, cattle, rabbits)
 P01NS-06208-09 0011 Epilepsy research program - Ketogenic diet in treatment of intractable epilepsy (human)
 P01NS-06208-09 0014 Epilepsy research program - Cerebral sensory evoked potentials related to epilepsy (cats, monkeys)
 P01NS-08208-09 0022 Epilepsy research program - Cerebral sensory evoked potentials (human)
 ** P01NS-06208-09 0024 Epilepsy research program - Studies on anticonvulsant action of ketones (cats)
 ** R01NS-07918-06 Cations and brain glycolytic enzymes (human)
 ** R01NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
 ** R01NS-08935-04 Photomyoclonic epilepsy (baboons)

R01NS-09037-04 Anatomy of experimental seizures (human, monkeys)
 ** R01NS-09784-03 Effect of epileptogenic drugs on membrane properties (squid)
 R01NS-09785-03 Trial of MCT diet in intractable childhood epilepsy (children, rats)
 R01NS-09839-04 Stereochemical basis of anticonvulsant drug activity
 R01NS-10197-03 Synthesis of new CNS agents
 R01NS-10203-02 Psychoactive, anticonvulsant, antiparkinson drugs (mice, guinea pigs, rats)
 ** R01NS-10262-03 Anticonvulsant and psychoactive drug-induced osteomalacia (human, rats)
 ** R01NS-10478-02 Convulsive states and brain monoamine metabolism (cats)
 ** R01NS-10667-01 Effects of anticonvulsants on cerebellar function (cats, rats)
 R01NS-10823-02 Cellular neuropharmacology of drug action
 R01NS-10886-08 Pharmacology of isolated cerebral cortex (human, cat, primates)
 ** R01NS-11083-02 "Kindling" preparations and antiepileptic drugs (monkeys, rats and cats)
 ** R01NS-11126-01 Clinical and basic development of new anticonvulsants
 ** R01NS-11379-02 Electrophysiological studies of epileptic brain (human)
 ** R01NS-12043-01 Effects of anticonvulsants on motoneuron development
 ** N01NS-12282-11 Study experimental antiepileptic drugs (monkeys)
 N01NS-42330-00 phenobarbital (human)
 N01NS-81310-08 Anti-convulsant properties of albutoin (human)
 ** N01NS-92196-04 Anticonvulsant properties of ethosuximide and clonazepam (human)
 ** M01RR-00036-14 0129 General clinical research center - Anti-convulsant and psychoactive drug induced osteomalacia (human)
 ** M01RR-00037-14 0040 General clinical research center - Evaluation of carbamazepine (human)
 ** M01RR-00047-14 0105 General clinical research center - Treatment of children with intractable seizures
 ** M01RR-00047-14 0106 General clinical research center - Influence of drugs and hormones and metabolism in children
 ** M01RR-00058-13 0034 General clinical research center - Clonazepam in treatment of absence epilepsy (human)
 ** M01RR-00060-13 0049 General clinical research center - Pharmacologic studies of anticonvulsants (human)
 ** M01RR-00060-13 0051 General clinical research center - Dimethoxymethyl phenobarbital-A new anticonvulsant (human)
 ** M01RR-00065-12 0009 General clinical research center - Intractable seizures (human)
 M01RR-00070-12 0008 General clinical research center - Pathophysiology of epilepsy (human)
 M01RR-00082-12 0063 General clinical research center - Oral vs IM DHP plasma kinetic and metabolic study (human)
 M01RR-00082-12 0098 General clinical research center - Dosage of ethosuximide for petit mal epilepsy (human)
 M01RR-00107-11 0054 General clinical research center - Kinetic studies in rapid dilantin metabolism (human)
 ** M01RR-00109-11 0046 General clinical research center - Clinical evaluation of dimethoxymethyl phenobarbital
 ** M01RR-00125-11 0153 General clinical research center-adult-child - Anticonvulsant therapy, with folic acid
 ** M01RR-00125-11 0154 General clinical research center-adult-child - Anticonvulsant action of dimethoxymethyl phenobarbital
 ** M01RR-00240-10 0117 General clinical research center-Children - Ketones as anti-convulsants
 M01RR-00628-04 0020 General clinical research center for children - Primidone metabolism
 ** M01RR-00633-02 0065 General clinical research center - Effect of anticonvulsants on intestinal Ca absorption in hypercalcaemia (human)
 ** M01RR-00847-01 0025 Clinical research centers - Clonazepam treatment of absence petit mal epilepsy (human)
NEUROPHARMACOLOGICAL AGENTS, ANTIPARKINSON DRUGS
 ** P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
 R01HL-12971-12 Reactions of alcohols and their analogs
 R10MH-03701-15 0003 Clinical new chemotherapeutic agent evaluation - Long term chronic schizophrenia chemotherapy
 R01MH-16128-06 Early clinical drug evaluation unit
 R01MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
 R01MH-22019-02 Psychotropic drug assessment (human)
 R01MH-24284-01 Conformations of psychoactive substances
 R01NS-06801-08 Biogenic amines and adrenergic disorders (human, animals)

** P01NS-09199-04 0001 Effect of L-dopa on synthesis of amines in brain (human, animals) - Therapeutic and side effects of L-dopa (human)
 P01NS-09199-04 0002 Effect of L-dopa on synthesis of amines in brain (human, animals) - Psychiatric effects of L-dopa (human)
 P01NS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinson's disease (human)
 P01NS-09199-04 0004 Effect of L-dopa on synthesis of amines in brain (human, animals) - Brain catecholamines of L-dopa treated (monkeys, rats, rabbits)
 P01NS-09199-04 0005 Effect of L-dopa on synthesis of amines in brain (human, animals) - Peripheral manifestations of Parkinson's disease (human)
 P01NS-09199-04 0006 Effect of L-dopa on synthesis of amines in brain (human, animals) - Amine synthesizing enzymes in rats with nigral lesions
 P01NS-09199-04 0011 Effect of L-dopa on synthesis of amines in brain (human, animals) - Gas chromatography and mass spectrometry in L-DOPA metabolism (human)
 R01NS-09039-04 Stereochemical basis of anticonvulsant drug activity
 R01NS-10203-02 Psychoactive, anticonvulsant, antiparkinson drugs (mice, guinea pigs, rats)
 R01NS-10391-01 Effects of L-dopa on brain serotonin (mice)
 R01NS-10897-01 Effects of chronic L-dopa therapy on adrenals and gut (rats, human)
 R01NS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
 ** R01NS-11028-01 Metabolism of apomorphine and its analogs (animals)
 P01NS-11131-01 0001 Extrapyramidal and related behavioral disorders - Syntheses and testing of apomorphine analogs and tritiated apomorphine (mice)
 P01NS-11131-01 0002 Extrapyramidal and related behavioral disorders - Studies with nomifensin in mice
 P01NS-11131-01 0012 Extrapyramidal and related behavioral disorders - Apomorphine in parkinsonian patients on or off levodopa
 P01NS-11131-01 0013 Extrapyramidal and related behavioral disorders - Administration of apomorphine orally (human)
 ** R01NS-11182-01 Tonic metabolites of L-dopa in Parkinson's disease
 P01NS-11631-01 0001 Clinical center for research on Parkinson's and allied diseases - Parkinson's disease brain bank studies (human)
 P01NS-11631-01 0033 Clinical center for research on Parkinson's and allied diseases - Long term administration of L-dopa (human)
 ** P01NS-11631-01 0061 Clinical center for research on Parkinson's and allied diseases - Dopa in cerebrospinal fluid in Parkinson's disease (human)
 P01NS-11631-01 0062 Clinical center for research on Parkinson's and allied diseases - CSF amino acid levels in Parkinson's disease (human)
 P01NS-11631-01 0064 Clinical center for research on Parkinson's and allied diseases - Effects of drugs on catecholamines (chicken)
 ** M01RR-00046-14 0025 General clinical research center - L-tryptophan and L-dopa in Parkinson's disease (human)
 ** M01RR-00647-14 0098 General clinical research center - Modification of response to L-dopa by diet changes (human)
 ** M01RR-00047-14 0099 General clinical research center - Treatment of movement disorders with piribedil (human)
 ** M01RR-00051-13 0006 General clinical research center - Relation of therapeutic and side effects of L-dopa with catecholamine metabolism
 M01RR-00058-13 0050 General clinical research center - Levodopa induced hypotension in Parkinsonism patients (human)
 ** M01RR-00060-13 0029 General clinical research center - Dopaminergic system in L-dopa treated Parkinson's disease (human)
 ** M01RR-00060-13 0030 General clinical research center - Combined L-dopa and alpha methyl-dopa or alpha methyl-dopa-hydrazine (human)
 M01RR-00064-10 0023 General clinical research center - Levodopa-Parkinson's disease (human)
 ** M01RR-00070-12 0024 General clinical research center - Effects of L-dopa in Parkinson's disease (human)
 ** M01RR-00071-11 0038 General clinical research center - Evaluation of MK-486 in Parkinson's disease (human)
 ** M01RR-00336-08 0006 General clinical research center - Effect of amantadine hydrochloride on Parkinson's disease (human)
 ** M01RR-00336-08 0064 General clinical research center - MK-486 and levodopa in Parkinson's disease (human)
 ** M01RR-00425-06 0069 General clinical research center - Hypothalamic-pituitary function in Parkinson's disease treated with L-dopa (human)
 M01RR-00645-03 0066 Clinical research center - Catecholamine metabolism in parkinsonism (human)
 M01RR-00722-02 0003 General Clinical Research Center - Management of Parkinson's disease (human)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
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(cont'd)

NEUROPHARMACOLOGICAL AGENTS, AUTONOMIC AGENTS

- SEE ALSO CARDIOVASCULAR AGENTS
SEE ALSO EYEDROPS AND MEDICATIONS, OCULAR
HYPOTENSIVE AGENTS
SEE ALSO NEUROHUMORS (GENERAL)
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, GANGLIONIC BLOCKING AGENTS
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, GANGLIONIC STIMULATING AGENTS
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOLYTIC
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOLYTIC
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
- PO1AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
RO1AM-16813-01 Congenital megacolon (mice)
RO1EY-00119-04 Lacrimal gland factors influencing secretion (human, rabbits)
** RO1EY-00402-07 Control of tissue-sensitivity to autonomic agents (rats, hamsters)
RO1EY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
** PO1HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
PO1HL-06285-14 0132 Cardiovascular-respiratory physiology and biochemistry - Umbilical-placental circulatory responses (lambs)
** RO1HL-12647-05 Norepinephrine in vascular tissue
RO1HL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)
P17HL-14150-04 0008 Specialized center of research in hypertension - Renal autonomic activity in development of hypertension (monkeys)
P17HL-14179-04 0008 Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
** RO1HL-14548-16 Control of activity in cardiac and smooth muscle (frogs)
RO1HL-14832-02 Myocardial cells-Autonomic and rhythmic mechanisms (human, chick embryo)
RO1HL-17091-01 Anesthetics and microvascular response to hemorrhage (rats, mice)
RO1MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
RO3MH-25399-01 Operant conditioning of cardiac contractility in man
** RO1NS-01396-17 Structure activity relationships to autonomic agents
PO1NS-03364-12 0030 Neurological research center in cerebrovascular disease - Neuronal, chemical and enzymatic effects of cerebral infarction and hemorrhage
RO1NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
PO1NS-07366-07 0014 Head injury clinical center research program - Pathogenesis of respiratory failure after head trauma (human)
RO1NS-07540-07 Sympathetic ganglia following conditioning (frogs)

NEUROPHARMACOLOGICAL AGENTS, CENTRALLY ACTING DRUGS (GENERAL)
RO1AI-10389-03 Photolysis of amino-diones-A synthesis of penicillin
RO1DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
** RO1DA-00139-03 Experimental drug abuse (monkeys)
** PO1DA-00254-03 0004 Drug abuse basic research center - Biological transport and biochemical effects of CNS drugs (animals)
** PO1DA-00254-03 0005 Drug abuse basic research center - Interactions between centrally-acting drugs (dogs)
PO1DA-00266-03 0001 Johns Hopkins drug abuse research center - Amphetamine, brain catecholamines and opiate receptors (rats, guinea pigs)
** RO1DA-01057-01 0005 Drugs of abuse-Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)
RO1DA-01057-01 0006 Drugs of abuse-Pharmacokinetics, metabolism and response - Analytical methodology (human)
NO1DA-30226-00 Interactions of narcotic and narcotic antagonist with other drugs (rodents)
P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
** PO1GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)
PO1GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
RO1GM-20357-01 Glycerol derivatives-Absolute configuration of drugs
** PO1HD-02274-08 0102 Mental retardation and child development - Effects of drugs on EEG audiometry (human)

- ** PO1HD-06276-03 0059 Mental retardation research program - Effects of false transmitters on behavior and brain chemistry (rats, rabbits)
RO1HL-11802-07 Cardiovascular surgical research (dogs)
** RO1MH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
RO1MH-04618-12 Psychotherapy of psychiatric outpatients
RO1MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
** RO1MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
PO1MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues-Effect of cations (rats)
RO1MH-17489-05 Psychopharmacologic activity-Quantum chemical study (rats)
RO1MH-18391-04 Sleep psychophysiology and psychopathology (human)
** RO1MH-19211-04 Psychotropic drugs and slow potentials in man
** RO1MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
RO1MH-23879-02 Drugs and memory (rats, mice)
PO1MH-25515-01 0006 Collaborative biological research on schizophrenia - Actions of neuroleptic drugs on synaptic membranes (rats)
RO3MH-26151-01 Hormonal control of drinking and brain systems (rats)
RO1NS-04349-12 Dopaminergic compounds related to apomorphine (mice, rats, pigeons, dogs)
RO1NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
** RO1NS-06288-10 Metabolic fate of neuropharmacological agents (dogs, rats)
** RO1NS-06785-08 Central mechanisms in the vestibular apparatus (cats)
RO1NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
** RO1NS-10197-03 Synthesis of new CNS agents
** RO1NS-11069-01 Effect of centropromazine on lipofuscin pigment (guinea pigs, rats, mice)
** PO1NS-11131-01 0003 Extrapyramidal and related behavioral disorders - Inhibitors of protein synthesis and cerebral actions of levodopa (mice)
** PO1NS-11131-01 0004 Extrapyramidal and related behavioral disorders - Stimulators of protein synthesis and cerebral actions of levodopa (mice)
PO1NS-11131-01 0006 Extrapyramidal and related behavioral disorders - Analysis of cat brain for manganese, dopa and dopamine
MO1RR-00053-13 0001 Clinical research center - Cortisol and ACTH secretory patterns (human)
MO1RR-00645-03 0035 Clinical research center - Prolactin (human)
MO1RR-00645-03 0036 Clinical research center - Posterior pituitary hormones (human)
** MO1RR-00645-03 0053 Clinical research center - Effect of centrally-acting drugs on turnover rate of biogenic amines (human)

- NEUROPHARMACOLOGICAL AGENTS, CONVULSANTS**
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANALEPTICS
PO1ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
PO1ES-00049-10 0025 Mode of action and metabolism of organic toxicants - Polycyclic phosphorus compounds with toxicological properties (mice, chicks)
P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
PO1HD-05958-03 0005 Neurophysiology and neuropsychology in mental retardation - Activating and deactivating mechanisms of the rostral brain (cats)
** PO1HD-06276-03 0055 Mental retardation research program - Effect of convulsants on CNS regional permeability and biochemistry (cats)
** RO1MH-05286-12 0014 Psychophysiology of perception - Alteration in SERs produced by administration of monomethyl hydrazine (cats)
PO1MH-12568-08 0004 Neuropsychopharmacological studies of attention - Experimental petit mal epilepsy (primates)
RO1MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
RO3MH-24346-01 Retroactive facilitation of memory (goldfish)
RO1MH-25486-01 Biochemical processes in the formation of memory (animals)
** PO1NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)
RO1NS-05424-10 Energy-utilizing process in the CNS (guinea pigs)
PO1NS-06208-09 0014 Epilepsy research program - Cerebral sensory evoked potentials related to epilepsy (cats, monkeys)
** PO1NS-06208-09 0017 Epilepsy research program - Ultrastructural study of cerebral changes (cats, rats)

- PO1NS-06208-09 0018 Epilepsy research program - Brain amine and seizure activity (rats, mice)
M PO1NS-06208-09 0025 Epilepsy research program - Brain monoamine turnover (children)
RO1NS-06294-07 Cerebral enzymes in normal and convulsive states (rats, rabbits)
** RO1NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
RO1NS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
PO1NS-07376-07 0001 Univ Chicago head injury center - Brain serotonin studies (rats)
PO1NS-06711-04 0010 Fundamental studies relating to multiple sclerosis - Clinical neurophysiology
** RO1NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
** RO1NS-09784-03 Effect of epileptogenic drugs on membrane properties (squid)
** RO1NS-10478-02 Convulsive states and brain monoamine metabolism (cats)

NEUROPHARMACOLOGICAL AGENTS, GANGLIONIC BLOCKING AGENTS

- SEE ALSO MUSCLE RELAXANTS, NEUROMUSCULAR BLOCKING AGENTS
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOLYTIC
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOLYTIC
- RO1EY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
PO1GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
PO1HD-02274-08 0067 Mental retardation and child development - Effects of vinblastine sulfate on retina (rabbits)
RO1HL-05806-14 Analysis of antiarrhythmic agents (dogs, rabbits)
RO1HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
PO1HL-10342-09 0002 Cardiovascular, pulmonary, and behavioral studies - Effect of carbon monoxide and hypoxic hypoxia on venous return (dogs)
RO1NS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
** RO1NS-07540-07 Sympathetic ganglia following conditioning (frogs)
RO1NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
RO1NS-08440-06 Metabolic basis of neural function (animals)
RO1NS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
RO1NS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
** RO1NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
RO1NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
RO1NS-10578-01 Regulation of enzyme development in neurons (rats)
MO1RR-00096-14 0017 Clinical research center - The kidney in hypertension (human)
MO1RR-00645-03 0048 Clinical research center - Effects of induced hypotension on peripheral circulation (human)
- NEUROPHARMACOLOGICAL AGENTS, GANGLIONIC STIMULATING AGENTS**
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
- RO1AM-17125-01 The secretion of pepsin (dogs)
RO1MH-22659-02 Treating minimal brain dysfunction and hyperactivity (human)
- NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOLYTIC**
SEE ALSO EYEDROPS AND MEDICATIONS, MYDRIATICS AND CYCLOPLEGICS
SEE ALSO GASTROINTESTINAL AGENTS, ANTIEMETICS
SEE ALSO HYPERSENSITIVITY, ANTIALLERGY DRUGS, HISTAMINE ANTAGONISTS
SEE ALSO MUSCLE RELAXANTS
- RO1AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
P17AM-17328-01 0012 Peptic ulcer center - Zollinger-Ellison syndrome (human)
RO1DE-01554-13 Dental calculus-Composition and formation (human, rats)
PO1GM-20309-02 0001 Acute trauma study center - Stress ulcer (human, swine, dogs)
P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
PO1MH-08618-10 0048 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
PO1MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
** RO1MH-23879-02 Drugs and memory (rats, mice)

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01MH-23880-02 Behavioral effects of drugs in *Musca musca*
 ** R01NS-04699-09 Biological significance of cholinesterases other than ACh (human, animal)
 R01NS-05666-10 SCholeraceptor activity of carotid body (frogs, crayfishes)
 P01NS-06209-09 0003 Boston University aphasia research center - Clinical case studies, neurology and anatomy (human, monkeys)
 R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
 R01NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
 P01NS-06826-06 Univ Tennessee cerebrovascular research cr (human, dogs, cats, monkeys)
 R01NS-08770-04 Neuromuscular relations in organotypic cultures (mice, rats)
 R01NS-09991-03 Hypoxia and increased intracranial pressure
 P01NS-10175-03 0014 Neuromuscular disease research center - Neostigmine and the sensitivity of rat diaphragm to di-Tubocurarine (dTC) (rats)
 R01NS-10509-03 Functional analysis of the nervous system (helminths)
 ** R01NS-10677-02 Cholinomimetic compounds in digestive gland (mollusks)
 R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
 R01NS-11175-02 ACh and CNS thermoregulation processes (monkeys)
 ** R01NS-11284-01 Drug effects on vestibular neurones (cats)
 R01NS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
 M01RR-00030-13 0042 General clinical research center - Allopurinol therapy in gout (human)
 ** M01RR-00030-13 0069 General clinical research center - Effect of drugs on renal handling of uric acid (human)
 ** M01RR-00036-14 0134 General clinical research center - Role of vagolytic drugs in reactive hypoglycemia (human)
 M01RR-00036-14 0188 General clinical research center - Role of vagolytic drugs in reactive hypoglycemia (human)
 M01RR-00722-02 0003 General Clinical Research Center - Management of Parkinson's disease (human)
 ** M01RR-00828-01 0019 General clinical research center - Effect of anticholinergic and antacid drugs on absorption of oral drugs (human)
 M01RR-00828-01 0021 General clinical research center - Depressant therapy in peptic ulcer (human)

NEUROPHARMACOLOGICAL AGENTS,

PARASYMPATHOMIMETIC

SEE ALSO CHOLINE, ACETYLCHOLINE
 SEE ALSO DRUGS RECEPTORS, CHOLINERGIC RECEPTORS
 SEE ALSO EYEDROPS AND MEDICATIONS, EMOTICS
 SEE ALSO GASTROINTESTINAL AGENTS, EMETICS
 SEE ALSO IMIDAZOLES, HISTAMINE
 SEE ALSO MUSCLE STIMULANTS
 P15AI-10405-04 Asthma clinical center (human, rats, rabbits)
 R01AM-13097-07 Bilo production (dogs, hamsters, rabbits, rats)
 R01AM-14362-04 Regulation of purine metabolism in human cells
 R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
 R01AM-15350-03 Mechanisms of intestinal secretion (rats, rabbits, guinea pigs)
 R01AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
 R01AM-15834-03 Autonomic effects on glucagon and insulin secretion (ducks, dogs)
 R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
 P17AM-17026-01 0001 Vanderbilt University Diabetes-Endocrinology Center - Autonomic control over metabolic homeostasis (rats)
 P17AM-17026-01 0043 Vanderbilt University Diabetes-Endocrinology Center - Autonomic modification of substrate and hormonal responses to glucose in man
 ** P02CA-12197-03 0005 Multidisciplinary oncology research center - Protective effect of Robunit on gastrointestinal system from prednisone (human)
 R01DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
 R01DE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)
 P01DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
 P10ES-00002-12 0008 Occupational and environmental health - Action of organophosphate insecticides (rats)
 R01ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
 R01ES-00396-06 Tolerance to cholinesterase inhibitors (rats)
 P01ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)

R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
 R01EY-00056-05 Pathogenesis of altered ocular vascular permeability (rabbits)
 R01EY-00402-07 Control of tissue-sensitivity to autonomic agents (rats, hamsters)
 R01EY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
 R01EY-00475-08 Studies on the nutrition of the eye (primates)
 R01EY-00945-03 Biochemical regulation in ocular tissues (rabbits)
 R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
 P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 R01HD-06760-03 Neural control of sexual behavior in the rat
 R01HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
 P01HL-06285-14 0130 Cardiovascular-respiratory physiology and biochemistry - Ductus arteriosus-Morphological development (human, lambs)
 ** P01HL-06285-14 0137 Cardiovascular-respiratory physiology and biochemistry - Patent ductus arteriosus in premature infants
 P01HL-06285-14 0138 Cardiovascular-respiratory physiology and biochemistry - Ductus arteriosus in infants with congenital lesions (human)
 P01HL-06285-14 0189 Cardiovascular-respiratory physiology and biochemistry - Physiology, pharmacology in regulation of airways-Mucociliary (animals)
 R01HL-11432-06 Hemodynamic factors in cardiac development (turtles, chick embryo)
 R01HL-13623-05 Atrial receptors (dogs)
 R01HL-13776-04 Cyclic nucleotides and cardiac function (chick embryo)
 P01HL-14388-03 0030 Regulation of the circulation in pathological states - Autonomic innervation and reactivity of coronary vessels (dogs)
 R01HL-14904-01 Circulatory regulation during static muscular exercise (dogs)
 R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)
 P01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
 R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
 P01MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum
 R01MH-24949-01 Drugs, behavior and the cholinergic nervous system
 R01NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
 ** R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
 R01NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
 R01NS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
 P01NS-07512-06 0029 Neuronal development, interaction and organization - Transmission and tropic actions at receptor synapses of electroreceptors (fish)
 R01NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
 R01NS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
 R01NS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
 ** R01NS-09356-04 Chronic inhibition of cholinesterase (rats)
 R01NS-10072-02 Interactive computer graphics
 R01NS-10108-03 Brain phosphoinositides-Relevance to prostaglandins (human)
 R01NS-10124-03 Drug effects on membrane-bound endplate cholinesterase (cats, rats, frogs)
 ** R01NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
 ** R01NS-10677-02 Cholinomimetic compounds in digestive gland (mollusks)
 P01NS-10727-02 0002 The pathologies of sleep-A clinical program - Experimental studies in animals (cats)
 ** P01NS-11131-01 0002 Extrapyramidal and related behavioral disorders - Studies with oxremorine in mice
 P01NS-11131-01 0011 Extrapyramidal and related behavioral disorders - Physostigmine and pharmacological psychoses caused by levodopa (human)
 R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
 ** R01NS-11138-02 0002 Chemical mechanism in corpus striatum and behavior - Conditional discrimination performance and dorsal head of striatum (rats)
 ** R01NS-11284-01 Drug effects on vestibular neurones (cats)
 P01NS-11766-01 0011 Clinical research center for neuromuscular disease - Clinical neurophysiology

** M01RR-00042-14 0051 General clinical research center - Effects of L-tryptophan loading and cholinergic mechanism in Huntington's chorea
 M01RR-00046-13 0026 Clinical center - Effect of neurotransmitters on human memory
NEUROPHARMACOLOGICAL AGENTS, SYMPATHOLYTIC
 SEE ALSO BENZOPYRROLES, SEROTONIN INHIBITORS
 SEE ALSO CARDIOVASCULAR AGENTS, ANTIHYPERTENSIVE AGENTS
 SEE ALSO CARDIOVASCULAR AGENTS, VASODILATORS
 SEE ALSO RESPIRATORY DRUGS, BRONCHODILATORS
 R01AA-00188-03 Ethanol-induced changes in brain mitochondria (rats)
 ** R01AA-00190-02 Beta-adrenergic blockade in alcoholism treatment (human)
 R01AA-00199-03 Beta adrenergic blocking agents in treatment of alcoholism (human)
 ** R01AA-00257-05 Respiratory-depressive effects of ethanol (mice)
 ** R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic
 R01AA-01416-01 Role of biogenic amines in the actions of alcohol (rats)
 R01AI-08106-06 Autonomic function in asthma (human, rats, mice)
 R01AI-09957-04 Ontogeny of endotoxin pyrogenicity (guinea pigs)
 P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
 P15AI-10405-04 Asthma clinical center (human, rats, rabbits)
 P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
 ** R01AM-07681-09 Adrenergic components of lipid metabolism (rats)
 R01AM-11061-09 The juxtaglomerular complex (dogs, mice, rats, fish, human)
 ** R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
 R01AM-12768-06 Intestinal motility-Myogenicity neural control (cats, guinea pigs, rabbits)
 R01AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
 R01AM-14715-04 Scleroderma-Systemic sclerosis (human)
 R01AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
 R01AM-15789-03 Mechanism of action of antipolytic drugs (rats)
 R01AM-15843-03 Role of the renal nerves in sodium retaining states (dogs)
 R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
 P17AM-17026-01 0043 Vanderbilt University Diabetes-Endocrinology Center - Autonomic modification of substrate and hormonal responses to glucose in man
 P17AM-17042-01 0003 Diabetes endocrinology research center - Sulfonylurea hypoglycemic agents action and tolerance
 R01AM-17112-02 Neural control of insulin secretion (rats, dogs)
 ** P17AM-17624-01 0010 Obesity center - Thyroid hormones and beta adrenergic blockade in obesity treatment (human)
 R01CA-08349-09 Potential tumor or organ imaging agents
 R01DE-01554-13 Dental calculus-Composition and formation (human, rats)
 R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
 R01EY-00683-03 Neurohumoral control of intraocular pressure (rabbits)
 P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
 P11GM-15431-08 0002 Research center for clinical pharmacology and drug toxicology - Drugs that antagonize guanethidine (human, cats)
 ** P11GM-15431-08 0011 Research center for clinical pharmacology and drug toxicology - Therapeutic effects of beta-adrenergic blockade (human)
 ** P11GM-15431-08 0012 Research center for clinical pharmacology and drug toxicology - Therapeutic effects of beta-adrenergic blockade in angina (human)
 P11GM-15431-08 0031 Research center for clinical pharmacology and drug toxicology - Renin and aldosterone release (human)
 ** P11GM-15431-08 0051 Research center for clinical pharmacology and drug toxicology - Guanidinium adrenergic neuron blockers (human, cats)
 P01GM-16934-06 0018 Sulfonamides and carbonic anhydrase-Basis for therapy - Teratogenesis induced by carbonic anhydrase inhibitors (rats)
 P01GM-17366-04 0001 Biochemical and physiologic response to trauma - Endocrine aspects of shock and trauma (human, monkeys)
 P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 R01GM-19571-02 Metabolism and nutrition in burns and trauma (human, rats)

(contd)

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R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
 R01GM-20357-01 Glycerol derivatives—Absolute configuration of drugs
 ** P11GM-20387-02 0003 Multidisciplinary research program in pharmacology-toxicology - Beta-blocking drug metabolism in the isolated cardiopulmonary circuit (dogs)
 ** P11GM-20387-02 0005 Multidisciplinary research program in pharmacology-toxicology - Pharmacological activity of metabolites of beta-blocking drugs (mammals, human)
 ** P11GM-20387-02 0009 Multidisciplinary research program in pharmacology-toxicology - GC-ECD methods for beta-receptor blocking drugs and metabolites (human)
 P11GM-20387-02 0011 Multidisciplinary research program in pharmacology-toxicology - GC-ECD and GC-MS of hydroxy acids, aldehydes and ketones and acidic drugs
 P11GM-20387-02 0012 Multidisciplinary research program in pharmacology-toxicology - Electron impact fragmentation in clinical pharmacology and toxicology
 R01GM-21748-01 Metabolism and nutrition in burns and trauma (human, rats)
 R01HD-00371-20 Hormonal function in growth and development in childhood (human)
 R01HD-02798-07 Primate uterine physiology (monkeys)
 R01HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)
 ** R01HD-04182-06 Adrenergic pharmacology of ovum transport (rabbits)
 ** R01HD-06406-03 Regulation of uterine blood flow (monkeys)
 R01HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)
 R01HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
 ** R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
 R01HL-02008-20 Pathogenesis of arterial hypertension (rats, rabbits)
 R01HL-05711-13 Pressor mechanisms in hypertension (human)
 R01HL-05806-14 Analysis of antiarrhythmic agents (dogs, rabbits)
 ** P01HL-06296-14 0003 Human adaptation to environmental and exercise stress - Human exercise studies (human, dogs)
 P01HL-06336-14 0003 Cardiovascular program project - Influence of cold exposure on coronary dynamics
 P01HL-06835-13 0007 Cardiovascular disease - Mechanisms of experimental renal hypertension
 R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
 R01HL-09914-09 Myocardial function and metabolism disease (dogs)
 R01HL-09932-09 Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs)
 P01HL-10342-09 0002 Cardiovascular, pulmonary, and behavioral studies - Effect of carbon monoxide and hypoxic hypoxia on venous return (dogs)
 P01HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
 R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
 R01HL-11411-07 Intra-hepatic control of liver blood flow (dogs)
 R01HL-11432-06 Hemodynamic factors in cardiac development (turtles, chick embryo)
 R01HL-11802-07 Cardiovascular surgical research (dogs)
 R01HL-12322-06 Extrinsic factors influencing myocardial performance (dogs)
 P01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
 R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
 R01HL-13341-04 Lymph—An indicator of splanchnic tissue respiration (dogs, human)
 R01HL-13443-03 Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits)
 R01HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
 R01HL-13653-04 Physiology of renin, aldosterone and prostaglandin (rabbits)
 R01HL-13764-03 Control of renin release by the kidney in vitro (rats)
 R01HL-13924-03 Mode of action of acetylcholine (rabbits, cats)
 R01HL-13927-03 Autonomic regulation of regional blood flow (dogs)
 P17HL-14192-04 0003 Specialized center of research in hypertension - Hormonal mechanisms in hypertension (human, mice)
 R01HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
 P01HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dysrhythmia (human)
 P01HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)

** R01HL-14796-02 New antiarrhythmic drug (rabbits, cats, dogs)
 R01HL-14899-02 Mechanisms and prevention of cardiac arrhythmias (dogs)
 P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
 P17HL-15062-03 0016 Study of lipoproteins, artery wall, and atherosclerosis - Circulatory and contractile responses in atherosclerotic monkeys
 P17HL-15063-03 0012 SCOR diffuse infiltrate vs lung disease - Autonomic regulation of the tracheobronchial tree (human)
 R01HL-15357-02 Etiologic mechanisms of renal hypertension (dogs)
 R01HL-15365-02 Treatment of post surgical vasoconstriction (dogs, cats, monkeys)
 R01HL-15444-02 Neonatal development of adrenergic receptor mechanisms (pigs)
 R01HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
 P01HL-15833-01 0002 Pharmacologic and physiologic basis of cardiac therapy - Drug action on isolated embryonic avian and rat heart
 P01HL-15833-01 0011 Pharmacologic and physiologic basis of cardiac therapy - Development of an experimental model for myocardial ischemia in the dog heart
 R01HL-15985-02 Metabolic and hormonal control of cardiac contraction
 R01HL-16158-01 Potassium and sodium effects on the working heart (dogs, guinea pigs)
 R01HL-16239-01 Carotid body control of ventilation (cats)
 R01HL-16315-01 Analysis of interaction between CNS vasomotor systems (cats, monkeys)
 ** R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
 R01MH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
 ** R01MH-13595-08 Behavior and drug effects during chronic stress (rats, mice)
 R01MH-16127-06 0009 Muscle enzyme release in the acute psychoses - Effect of psychometric drugs, and epinephrine in PCPK levels (rats)
 P01MH-16674-06 0026 A program of psychiatry-oriented biological research - Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys)
 P01MH-16674-06 0027 A program of psychiatry-oriented biological research - Effect of phenothiazines on mesolimbic dopamine system (rats)
 ** P01MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
 R01MH-24949-01 Drugs, behavior and the cholinergic nervous system
 ** R03MH-25093-01 Effects of reserpine on maturing adrenal medulla (rats)
 R01NS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
 R01NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
 P01NS-06826-06 Univ Tennessee cerebrovascular research cr (human, dogs, cats, monkeys)
 R01NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
 R01NS-09399-10 Catecholamine receptor sites—Stereochemical approaches
 R01NS-09938-03 Factors affecting cerebral arterial caliber (monkeys)
 R01NS-09991-03 Hypoxia and increased intracranial pressure
 ** R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
 R01NS-11065-01 Analysis of selectivity of beta adrenergic drugs
 P01NS-11066-01 0002 Fundamental studies in spinal cord injury - Physiological studies in spinal cord injury (monkeys)
 P01NS-11066-01 0003 Fundamental studies in spinal cord injury - Pharmacological studies in spinal cord injury (cats, monkeys)
 R01NS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
 M01RR-00031-14 0009 General clinical research center - Coronary insufficiency, myocardial metabolism and cardiac function (human)
 M01RR-00036-14 0123 General clinical research center - Control of prolactin secretion (human)
 M01RR-00037-14 0085 General clinical research center - Control of glucagon secretion in man
 M01RR-00043-14 0035 General clinical research center - Effect of L-dopa on pituitary function (human)
 M01RR-00047-14 0085 General clinical research center - Propranolol treatment of essential tremor (human)
 ** M01RR-00059-13 0069 General clinical research center - Correlation of beta blockade with serum praxolol (human)
 M01RR-00060-13 0029 General clinical research center - Dopaminergic system in L-dopa treated Parkinson's disease (human)

** M01RR-00076-12 0107 General clinical research center - Beta adrenergic blocking agents in treatment of alcoholism (human)
 M01RR-00095-14 0021 General clinical research center - Adrenergic pharmacology (human)
 M01RR-00095-14 0067 General clinical research center - Vasoactive substances in carcinoid syndrome (human)
 M01RR-00086-14 0017 Clinical research center - The kidney in hypertension (human)
 M01RR-00287-08 0004 General clinical research center - Adrenergic receptor sites in regulation of fat mobilization (human)
 M01RR-00722-02 0005 General Clinical Research Center - Mineralecorticoid metabolism in hypertension and catecholamine production (human)
 M01RR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
 M01RR-00865-01 0012 General clinical research center - Effect of sympathetic nervous system on sodium excretion during starvation

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOLYTIC, ADRENERGIC ALPHA

R01AM-17125-01 The excretion of pepsin (dogs)
 ** R01EY-01352-01 Adrenergic physiology of the eye (rabbits, monkeys)
 P01GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)
 R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
 R01HL-16037-01 Molecular properties of cardiac adrenergic receptors
 R01NS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOLYTIC, ADRENERGIC BETA

** P15A-12029-01 0004 Allergic diseases center grant—Mechanisms in asthma - Beta adrenergic blockade and mucosal antibody production
 ** R01AM-10558-09 0017 Peptide hormones affecting calcium metabolism - Beta-adrenergic drugs and calcium metabolism (rats)
 ** R01AM-10558-09 0026 Peptide hormones affecting calcium metabolism - Beta-adrenergic drugs and mechanisms of gastrin and TC secretion
 R01AM-13211-06 Kidney control of erythropoietin production (human, animals)
 R01AM-17125-01 The secretion of pepsin (dogs)
 ** R01EY-01352-01 Adrenergic physiology of the eye (rabbits, monkeys)
 P01HD-00668-16 0011 Aging and the aged - Learning and psychophysiological parameters in aged (human)
 P01HD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
 R01HL-09932-09 Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs)
 R01HL-10869-08 Response of the denervated heart to drugs (rats, dogs)
 P01HL-12373-06 0003 Cardiopulmonary physiology and pathophysiology - Myocardial function in man
 R01HL-12777-05 Mechanisms in cardiac performance (dogs, cats)
 R01HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
 R01HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
 M01RR-00032-14 0064 General clinical research center - Dynamics of secretion of glucoregulatory hormones (human)
 ** M01RR-00051-13 0002 General clinical research center - Beta blockers in hypertension and angina (human)
 M01RR-00051-13 0051 General clinical research center - Therapeutic efficacy of minoxidil (human)
 M01RR-00070-12 0093 General clinical research center - Surgical treatment of hypertrophic subaortic stenosis (human)
 M01RR-00240-10 0067 General clinical research center—Children - Psychosomatic aspects in juvenile diabetes
 M01RR-00750-02 0019 General clinical research center - Abnormalities of Ca and bone metabolism in thyrotoxicosis (human)
 M01RR-00827-01 0010 General clinical research center - Circulatory and pharmacologic studies in cardiac disease (human)
 M01RR-00647-01 0003 Clinical research centers - Catecholamines and renin metabolism in hypertensive patients on chronic dialysis

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
 SEE ALSO ADRENAL MEDULLA HORMONES
 SEE ALSO BENZOPYRROLES, SEROTONIN
 SEE ALSO CARDIOVASCULAR AGENTS, VASOPRESSORS
 SEE ALSO DRUGS RECEPTORS, ADRENERGIC RECEPTORS
 SEE ALSO NUTRIENT INTAKE ACTIVITY, APPETITE DEPRESSANTS
 SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES
 SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE

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SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
 SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES INHIBITORS
 SEE ALSO RESPIRATORY DRUGS, BRONCHONESTRICTORS
 SEE ALSO RESPIRATORY DRUGS, BRONCHODILATORS
 SEE ALSO RESPIRATORY DRUGS, DECONGESTANTS, NASAL
 P15A-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
 ** R01A-12046-01 Effect of adrenergic drugs on antibody formation (mice)
 P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
 R01AM-12768-06 Intestinal motility-Myogenicity neural control (cats, guinea pigs, rabbits)
 R01AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
 R01AM-15834-03 Autonomic effects on glucagon and insulin secretion (ducks, dogs)
 R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
 P17AM-17026-01 0001 Vanderbilt University Diabetes-Endocrinology Center - Autonomic control over metabolic homeostasis (rats)
 P17AM-17046-01 0006 Diabetes endocrinology center - CNS effects on insulin and glucagon secretion (human)
 P01AM-17387-01 0001 Physiology and pathophysiology of kidney function - Control of renin release (dogs, rats)
 P02CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
 R01CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
 ** R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
 R01DE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)
 P01DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
 P01ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
 R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
 ** R01EY-00207-15 Physiology and pharmacology of aqueous humor flow (human)
 R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
 R01EY-00475-08 Studies on the nutrition of the eye (primates)
 R01EY-00476-08 Regulation of the intraocular pressure (human, monkeys)
 R01EY-00945-03 Biochemical regulation in ocular tissues (rabbits)
 R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
 P01GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
 P11GM-14270-08 0034 Human drug metabolism and toxicology - Cardiovascular drugs-Bethanidine (human)
 ** P01GM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)
 P01GM-18470-03 0011 Trauma center - Gastrointestinal mucosa ulceration following shock (rabbits)
 R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
 R01HD-01269-12 Control of metabolism in tetrahymena
 R01HD-04182-06 Adrenergic pharmacology of ovum transport (rabbits)
 ** R01HD-06406-03 Regulation of uterine blood flow (monkeys)
 R01HD-06963-09 Properties of smooth muscle (rats)
 R01HL-03290-17 Controls of cardiac and vascular smooth muscles
 P01HL-06285-14 0125 Cardiovascular-respiratory physiology and biochemistry - Myocardial function in the fetal and neonatal lamb
 P01HL-06285-14 0128 Cardiovascular-respiratory physiology and biochemistry - Pulmonary circulation in fetal lambs in utero
 P01HL-06285-14 0209 Cardiovascular-respiratory physiology and biochemistry - Metabolic studies of isolated lung cells (human, animals)
 ** P01HL-06349-13 0011 Cardiovascular disease clinical program project - Pharmacodynamics-Behavioral response to adrenergic amines (rats, mice)
 R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
 R01HL-10626-06 Adrenergic responses of the splanchnic circulation (dogs)
 R01HL-11432-06 Hemodynamic factors in cardiac development (turtles, chick embryo)
 R01HL-12690-06 Systemic and local vascular adjustment in shock (monkeys, cats)
 R01HL-13341-04 Lymph-An indicator of splanchnic tissue respiration (dogs, human)
 R01HL-13607-04 Role of catecholamines in hypertension (human)

R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
 P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
 R01HL-14348-03 Intrarenal blood flow and sodium excretion (dogs, rats)
 R01HL-14832-02 Myocardial cells-Autonomic and rhythmic mechanisms (human, chick embryo)
 R01HL-14899-02 Mechanisms and prevention of cardiac arrhythmias (dogs)
 R01HL-14904-01 Circulatory regulation during static muscular exercise (dogs)
 R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
 P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
 P17HL-15062-03 0016 Study of lipoproteins, artery wall, and atherosclerosis - Circulatory and contractile responses in atherosclerotic monkeys
 ** R01HL-15392-02 Sympathomimetic and circulations of anesthetics (mammals)
 R01HL-15444-02 Neonatal development of adrenergic receptor mechanisms (pigs)
 R01HL-15802-01 Digitalis-Mechanism of cardiac sympathetic effects (cats)
 R01HL-16550-01 Blood flow during experimental cardiogenic shock (monkeys)
 R01HL-16656-01 Left ventricular function in exercise (dogs)
 ** R01HL-16671-01 Action of sympathomimetic amines (dogs, cats, rats)
 R23HL-17185-01 The lung's role in drug metabolism and disposition (rabbits)
 ** N01HR-22943-03 Conduct studies investigating some of the immune mechanisms in chronic bronchitis
 P01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
 ** R01MH-13595-08 Behavior and drug effects during chronic stress (rats, mice)
 ** R01MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
 R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
 R01MH-17489-05 Psychopharmacological activity-Quantum chemical study (rats)
 R01MH-21584-03 Modification of cAMP response in neurons and glia (rats)
 R01MH-22570-02 Amphetamine tolerance-Central and peripheral studies (rodents)
 R01NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)
 R01NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
 P01NS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
 R01NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
 R01NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
 R01NS-09350-04 Stereochemical studies of adrenergic drugs
 R01NS-09399-10 Catecholamine receptor sites--Stereochemical approaches
 R01NS-09743-05 Synaptic connections of spinal cord neurons (animals)
 ** R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
 ** P01NS-11255-01 0006 Comparative neurobiology (aplasia, fish, sea lions) - Mechanism of action of PMPEA on the vertebrate spinal cord
 R01NS-11731-01 Control of the inner ear microcirculation (guinea pig)
 ** M01RR-00040-14 0044 General clinical research center - Adrenergic function in hypertension (human)
 M01RR-00056-13 0063 General Clinical Research Center - Isoproterenol in induced renin release (human)
 M01RR-00199-10 0034 General clinical research center for children - Adrenergic drugs on cystic fibrosis
 M01RR-00229-09 0001 General clinical research center - Idiopathic edema (human)
 M01RR-00645-03 0057 Clinical research center - Effects of terbutaline in chronic obstructive lung disease (human)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC ALPHA
 R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
 R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
 P01NS-06663-08 0019 Cerebrovascular clinical research center - Drug effects on cerebral blood flow (cats)
 M01RR-00036-14 0176 General clinical research center - Alpha-adrenergic stimulation of growth hormone secretion in acromegaly (human)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC BETA
 R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
 R01HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
 ** P01HL-06285-14 0135 Cardiovascular-respiratory physiology and biochemistry - Beta-adrenergic agents and fetal cardiovascular dynamics (lambs)
 P01HL-06945-13 0001 Psychogenic factors in cardiovascular functions - Environmental and behavioral influences on coronary function (dogs)
 P01HL-12738-06 0062 Physiologic pharmacology and its clinical applications - Blood-perfused cardiac tissues and ventricular automaticity (dogs)
 P01HL-12738-06 0066 Physiologic pharmacology and its clinical applications - CNS and fatal arrhythmia after coronary occlusions (dogs)
 R01HL-16478-01 0001 Hemodynamic relations to metabolism in hypertension - Hemodynamic and myocardial functional studies in the SHR
 P01HL-16910-01 0002 Regulation of the peripheral circulation - Coronary circulation (dogs)
 P01NS-06663-08 0014 Cerebrovascular clinical research center - Postoperative treatment of subarachnoid hemorrhage and cerebral vasospasm
 P01NS-06663-08 0019 Cerebrovascular clinical research center - Drug effects on cerebral blood flow (cats)
 ** R01NS-10896-01 Development of selective beta-adrenoreceptive agents
 ** R01NS-11065-01 Analysis of selectivity of beta adrenergic drugs
 M01RR-00032-14 0064 General clinical research center - Dynamics of secretion of glucoregulatory hormones (human)

NEUROPHARMACOLOGY
 SEE ALSO NERVOUS DISORDERS CHEMOTHERAPY
 SEE ALSO PSYCHOPHARMACOLOGY
 ** R03AA-00092-01 Aldehyde binding-Distribution and specificity (mammals nonhuman)
 R01AA-00188-03 Ethanol-induced changes in brain mitochondria (rats)
 R01AA-00193-02 An approach to the action of alcohol in the CNS (squid, rats)
 ** R01AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)
 R01AA-00247-06 Alcohol disinhibition in the visual system (frogs)
 R01AA-00257-05 Respiratory-depressive effects of ethanol (mice)
 ** R01AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
 R01AA-00302-02 0006 Alcohol, tolerance and memory - Is the amnesic effect of alcohol exerted on cholinergic system (mice)
 R01AA-00322-01 Ethanol-Intracellular effects on in vitro CNS (mice)
 R01AA-01066-01 Physical dependence on alcohol (mice)
 R01AA-01387-01 Catecholamine-derived alkaloids in alcoholism (rats)
 ** R01AA-01416-01 Role of biogenic amines in the actions of alcohol (rats)
 R01AM-04899-14 Action of adrenocorticotropin (rats)
 R01AM-08547-08 Neural control of ACTH release (human, rats)
 R01AM-10155-09 Metabolism and function of histamine (mice, rats, guinea pigs)
 R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
 R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
 ** R01AM-16420-01 Adrenergic pharmacology and thyroxine metabolism (mammals)
 R01AM-17112-02 Neural control of insulin secretion (rats, dogs)
 M01CM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
 ** R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
 R01DA-00037-06 Narcotic tolerance and physical dependence mechanisms (mice)
 R01DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)
 R01DA-00319-01 ACh turnover-Role in morphine and amphetamine activity (rats)
 R01DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
 R03DA-00993-01 Morphine-Direct effects on neurons (rats)
 R01DA-01001-01 Marijuana constituents on brain acetylcholine (rats, monkeys)
 R01DA-01006-01 Narcotic addiction and neuroendocrine function (cats, rats)
 ** R01DA-01035-01 Neuro-psychopharmacology of methaqualone (human)
 R01DA-01044-01 Neuro-behavioral mechanisms of drug addiction (rats)
 P01DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- POIES-00040-10 0009 Environmental toxicology of pesticides 2 Pharmacological effects of pesticides (mice, rats, dogs)
- ROIES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- ** ROIES-00396-06 Tolerance to cholinesterase inhibitors (rats)
- ROIEY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
- ROIEY-00460-06 Vision and intraretinal potentials (frogs, neoturus)
- ROIEY-00692-04 Comparative study of glaucoma (monkeys, cats)
- ** ROIEY-00777-03 Neural interactions of the retina (dragonflies)
- ROIEY-01075-01 Neurotransmission in the mammalian retina (rabbits)
- ROIEY-01092-02 Biosynthesis of retinal phospholipids (rats)
- ROIEY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
- ROIEY-01297-01 Physiology and pharmacology of extraocular muscles
- ROIFD-00619-01 Atlantic shellfish poison, G. tamarensis toxin (animals)
- ** POIGM-09069-12 0024 Research in anesthesiology - Pharmacokinetics of tubocurarine (human)
- ** POIGM-09069-12 0030 Research in anesthesiology - Clinical pharmacology of pancuronium (human)
- POIGM-09069-12 0109 Research in anesthesiology - Action of diazepam (human)
- POIGM-09069-12 0110 Research in anesthesiology - Action of pancuronium and tuferine (mice)
- POIGM-12527-10 0001 Anesthetic and related drugs - Uptake, distribution and metabolism (human, animals)
- ** POIGM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
- ** POIGM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
- POIGM-12527-10 0008 Anesthetic and related drugs - Bioassay and efficacy of analgesics and nighttime sedatives (human)
- POIGM-12527-10 0009 Anesthetic and related drugs - Bioassay for respiratory depression of analgesics and nighttime sedatives (human)
- POIGM-12527-10 0010 Anesthetic and related drugs - Bioassay of premedication (human)
- POIGM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
- POIGM-15253-08 0032 Genetics in medicine-Gene action in man - Pharmacogenetics of nervous system pathways
- ** P11GM-15477-08 0106 Drug metabolism and biochemical pharmacology - Kinetics of the penetration of drug into brain (rats)
- P11GM-15477-08 0121 Drug metabolism and biochemical pharmacology - Protein synthesis and narcotics tolerance (mice, rats)
- ROIGM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- ** P11GM-15559-07 0033 Clinical pharmacology - Drugs at the cellular and sub-cellular level (rats)
- POIGM-15571-06 0070 Anesthesia research-Program project - Interaction of anesthetics with drugs that alter CNS monoamines (human, dogs)
- POIGM-15571-06 0071 Anesthesia research-Program project - Neurovascular blocking agents (human)
- ** POIGM-15571-06 0072 Anesthesia research-Program project - Comparative pharmacology of inhaled anesthetics
- POIGM-15904-07 0006 Anesthesiology center for research and teaching - Drug-nerve interactions (squid)
- POIGM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
- ** POIGM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
- ** POIGM-15991-06 0100 Anesthesia research center - General anesthetics-Central targets (cats, monkeys)
- POIGM-16496-06 0014 Clinical pharmacology-Pharmacokinetics - Centrally active amines-Alpha-methyl dopa (monkeys, human)
- ROIGM-20022-02 Cartilage-selective radiocontrast agents (primates, dogs, cats, mice)
- ROIGM-20560-01 Anesthesia and pathways of brain glucose oxidation (cattle)
- ROIGM-20633-02 Cell membrane transport during shock (frogs, human, primates)
- ROIGM-20977-01 Purification of cocaine esterase and atropinesterase (rabbit, human)
- POIHD-02528-08 0061 Research center in mental retardation - Physiology and pharmacology of RAPHE system (mammals)
- ** POIHD-03110-07 0029 Child development and mental retardation - Neuropharmacology (rats)
- POIHD-04147-06 0008 Research in mental retardation - Neuroendocrinology
- ROIHD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
- POIHD-05958-03 0005 Neurophysiology and neuropsychology in mental retardation - Activating and deactivating mechanisms of the restral brain (cats)
- ** POIHD-06276-03 0053 Mental retardation research program - CSF dynamics in hydrocephalus (human)
- POIHD-06276-03 0054 Mental retardation research program - CSF transport of metabolic and products from brain (cats)
- ** POIHD-06276-03 0060 Mental retardation research program - Tyrosine hydroxylase activity and NE synthesis in reserpine treatment (rats)
- ROIHD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)
- ROIHD-06909-02 GABA metabolism-A biochemical key to mental aging (mice)
- ROIHD-08194-01 Prenatal protein malnutrition and brain sterols
- ** ROIHL-02953-17 Autonomic and cardiovascular pharmacology (rats, rabbits, dogs, guinea pigs)
- POIHL-04885-15 0006 Comparative cardiovascular studies - Hereditary patent ductus arteriosus physiology (dogs)
- ROIHL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- ROIHL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- ROIHL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
- ** ROIHL-09932-09 Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs)
- POIHL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
- ROIHL-13306-04 Electrophysiology of heart muscle (cattle)
- ROIHL-13636-04 Effects of pharmacologic agents on heart metabolism (human, dogs, rats, cattle)
- ** ROIHL-13675-04 Neuropharmacology of the heart (cats)
- ROIHL-15802-01 Digitalis-Mechanism of cardiac sympathetic effects (cats)
- ROIHL-16179-01 Action of vascular and other smooth muscle inhibitors
- ROIHL-16353-02 Pharmacologic evaluation of neurovascular dilation
- ROIHL-17091-01 Anesthetics and microvascular response to hemorrhage (bats, rats)
- ** ROIMH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
- ** ROIMH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- ROIMH-03030-15 Improved clinical screening of phenothiazine drugs (human)
- ROIMH-04151-14 0010 Psychology and physiology of sleep - Effects of sleep deprivation and amphetamine on performance (rats)
- ROIMH-04954-13 Limbic system lesions and brain neurohumors (rats, rabbits)
- ** ROIMH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
- ** ROIMH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)
- ROIMH-07995-11 0005 Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
- POIMH-08618-10 0050 Biological studies of psychotic disorders - Relationship between brain and blood enzymes (human, rats)
- ** ROIMH-08833-11 Neuropharmacologic studies of local brain function (cats)
- ROIMH-11191-09 Brain amines and behavior (mice)
- ROIMH-11468-09 0018 Psychopharmacology research center - 11-Hydroxy and 8,11-dihydroxy metabolites of THC
- ROIMH-11468-09 0019 Psychopharmacology research center - Plasma levels of butaperazine and therapeutic or side effects in man
- ROIMH-11468-09 0020 Psychopharmacology research center - Antagonism of antihypertensive effect of guanethidine by neuroleptic drugs (rats)
- ROIMH-11468-09 0021 Psychopharmacology research center - Hydroxylated metabolites of amphetamine in the CNS (rats)
- ROIMH-11468-09 0022 Psychopharmacology research center - Stored and newly synthesized catecholamines in amphetamine CNS stimulation (rats)
- ROIMH-11468-09 0023 Psychopharmacology research center - PCA and the synaptosomal uptake of catecholamine and 5HT (rats)
- ROIMH-11468-09 0024 Psychopharmacology research center - Role of adrenergic mechanisms in motor and cataleptic effects of morphine (rats)
- ROIMH-11468-09 0025 Psychopharmacology research center - Behavioral pharmacology of D- and l-amphetamine and methylphenidate in man
- ROIMH-11468-09 0027 Psychopharmacology research center - Long term effects of P-chloroamphetamine and P-chlorophenylalanine (rats)
- ROIMH-11468-09 0029 Psychopharmacology research center - Serotonergic mechanisms in action of morphine (rats, mice)
- ROIMH-11468-09 0030 Psychopharmacology research center - Serum tryptophan in man
- ROIMH-11468-09 0031 Psychopharmacology research center - Clinical pharmacology of DL-PCA
- ROIMH-11468-09 0032 Psychopharmacology research center - Analysis of the level and turnover of acetylcholine (rats)
- ROIMH-11468-09 0033 Psychopharmacology research center - Cholinergic mechanisms in mania depression and schizophrenia (rats)
- ROIMH-11468-09 0034 Psychopharmacology research center - Modification of the cyclic AMP system by LSD, amphetamines and antipsychotics
- ROIMH-11468-09 0035 Psychopharmacology research center - Clinical studies on plasma levels of cyclic AMP
- ROIMH-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
- ROIMH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)
- ROIMH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
- M ROIMH-14110-07 Neural modulation and transmission
- ROIMH-14110-07 0014 Neural modulation and transmission - Pharmacology of cortical potentials (rabbits)
- ROIMH-14110-07 0017 Neural modulation and transmission - Neuroamines and neurotropic drugs (earthworms, frogs)
- ROIMH-14110-07 0020 Neural modulation and transmission - Non-hydroxylated amines
- ROIMH-14110-07 0021 Neural modulation and transmission - Aromatic neuroamine acids
- ROIMH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)
- ROIMH-15413-06 0002 Psychopharmacology of biogenic amines in depression - Antipsychotics (rats)
- ROIMH-15413-06 0003 Psychopharmacology of biogenic amines in depression - Lithium salts (rats)
- ROIMH-15413-06 0004 Psychopharmacology of biogenic amines in depression - Electroconvulsive shock (rats)
- ROIMH-15413-06 0005 Psychopharmacology of biogenic amines in depression - Tryptophan (rats)
- ROIMH-15413-06 0006 Psychopharmacology of biogenic amines in depression - Normethamphetamine (rats)
- ROIMH-15413-06 0007 Psychopharmacology of biogenic amines in depression - Tritium labeled-1-norepinephrine (rats)
- ROIMH-15413-06 0008 Psychopharmacology of biogenic amines in depression - Clinical studies-Tricyclic antidepressants (human)
- ROIMH-15413-06 0009 Psychopharmacology of biogenic amines in depression - Clinical studies-Lithium salts and biogenic amine metabolism (human)
- ROIMH-15413-06 0010 Psychopharmacology of biogenic amines in depression - Clinical studies-Electroconvulsive shock (human)
- ROIMH-15413-06 0011 Psychopharmacology of biogenic amines in depression - Clinical studies-Changes in biogenic amine metabolism (human)
- ROIMH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)
- ** ROIMH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- ** POIMH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from mices of rat corpus striatum
- ROIMH-16841-06 0010 Effect of central nervous system lesions on drug action - Characteristics of evoked potentials from isolated olfactory cortex (guinea pigs)
- ROIMH-16841-06 0011 Effect of central nervous system lesions on drug action - Local anaesthetic actions on isolated olfactory cortex (guinea pigs)
- ROIMH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
- ROIMH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
- ROIMH-21934-02 Lithium and aggressive behavior (human)
- ROIMH-22340-02 New method for studying drug effects on learning (pigeons)
- ROIMH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- ROIMH-23132-02 Neurosciences research program
- ** RO3MH-23653-01 Drugs, arousal and brain steady potential responses (rats)
- ROIMH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
- POIMH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
- POIMH-23861-02 0009 Biogenic amines and behavior - Brain serotonin and the pituitary-adrenal system (rats, human)
- POIMH-23861-02 0019 Biogenic amines and behavior - Biogenic amines, sleep (cats)
- ROIMH-24114-01 Chemistry of reward and related behaviors
- ROIMH-24284-01 Conformations of psychoactive substances
- ROIMH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)
- ROIMH-24607-01 Monoamines and mental illness (primates)
- ROIMH-25075-01 Ontogenetic behavior effects of drugs (rats)

(cont'd)

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- R03MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)
- R03MH-25319-01 A physiological model of childhood hyperkinesia (rats)
- R03MH-25361-01 Action of amphetamine on cells of the brain (snails)
- R01MH-25433-01 Electrolyte transport systems in affective illness (rabbits)
- R01MH-25505-01 Drugs, catechol amines and Krebs cycle interaction
- M P01MH-25515-01 Collaborative biological research on schizophrenia
- ** P01MH-25515-01 0006 Collaborative biological research on schizophrenia - Actions of neuroleptic drugs on synaptic membranes (rats)
- ** P01MH-25515-01 0007 Collaborative biological research on schizophrenia - Studies of central serotonin-neurons with dihydroxyated tryptamines (rats, cats)
- R01MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
- R03MH-26151-01 Hormonal control of drinking and brain systems (rats)
- ** R01NS-00031-25 Physiology and pharmacology of brain stem (cats, rats)
- R01NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- R01NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- R01NS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- ** R01NS-01687-16 Neuropharmacology of the postsynaptic membrane (aplasia)
- P01NS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
- ** R01NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- R01NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
- ** R01NS-03304-13 0004 Proteins in excitable membranes - Monocellular electroplex and membrane excitability studies
- R01NS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
- R01NS-03469-13 Neurological bases of feeding and drinking (rats)
- ** P01NS-04053-12 0008 Epilepsy - Microinjection of putative transmitters on neurons in cortical slabs (cats)
- R01NS-04064-12 Amino acids and protein in brain structure and function (animals)
- ** R01NS-04456-12 Chemosensors of the nervous system (cats)
- M P01NS-04553-10 Neuropharmacology and neurochemistry program research
- P01NS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)
- P01NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
- ** P01NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)
- P01NS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
- ** P01NS-04553-10 0005 Neuropharmacology and neurochemistry program research - Neuropharmacology of psychotropic agents and biochemical effects (animals)
- ** P01NS-04553-10 0006 Neuropharmacology and neurochemistry program research - Biochemical pharmacology of CNS muscle and other tissues (animals)
- P01NS-04553-10 0007 Neuropharmacology and neurochemistry program research - Endocrine-central nervous system interrelations (rats)
- P01NS-04553-10 0008 Neuropharmacology and neurochemistry program research - Electrolyte and acid-base metabolism (rats)
- R01NS-05016-11 Electro-anatomy of the cochlea (guinea pigs)
- R01NS-05430-09 Changes in brain microsomal structure and composition (rats, rabbits, fish)
- R01NS-05611-10 Spinal synaptic transmission and biogenic amines (cats)
- R01NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- R01NS-05638-10 Central neural regulation of body fluids (animals)
- ** P01NS-05785-09 0007 Causes of deafness - Effect of drugs on the perception of loudness (primates)
- R01NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
- ** R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- R01NS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
- ** R01NS-06820-07 Pharmacology of synaptic transmission in brain (cats)
- ** P01NS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
- R01NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- R01NS-07156-09 Enzyme theory and relationship to function (mice)
- R01NS-07436-07 Neural control of gastrointestinal activity (bats, mice, rabbits)
- P01NS-07512-06 0026 Neuronal development, interaction and organization - Synaptogenesis and differentiation in vitro (mice)
- P01NS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
- P01NS-07512-06 0032 Neuronal development, interaction and organization - Development of melanoblasts and pigmented cells of brain and meninges (amphibian)
- R01NS-07540-07 Sympathetic ganglia following conditioning (frogs)
- R01NS-07662-08 chichens
- R01NS-07758-06 NMR studies of cell excitation (frogs, rats)
- ** R01NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- ** R01NS-08048-04 Comparative studies on mammalian nervous system (monkeys)
- R01NS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
- ** R01NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
- R01NS-08346-07 Long-term interactions of neurons and glia (neoturus, crustaceans)
- R01NS-08409-06 Ionic conductance in nerve at low temperatures (squid)
- R01NS-08427-06 blockage (cats)
- R01NS-08610-04 Neural activity and behavior (barnacles)
- R01NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
- R01NS-08829-06 ACH turnover and choline metabolism in the CNS (rats, guinea pigs)
- R01NS-08935-04 Photomyoclonic epilepsy (baboons)
- R01NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- R01NS-09087-05 Pharmacology of nerve-muscle systems (animals)
- R01NS-09137-05 Stimulus-secretion coupling and chromaffin cells (rodents, cats)
- R01NS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
- R01NS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- P01NS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)
- R01NS-09228-02 Isolation of proteins from synaptic membranes (rabbits, cats)
- R01NS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
- R01NS-09350-04 Stereochemical studies of adrenergic drugs
- R01NS-09356-04 Chronic inhibition of cholinesterase (rats)
- R01NS-09408-03 Local cerebral blood flow (cats, monkeys)
- R01NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
- P01NS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
- P01NS-09649-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)
- R01NS-09666-02 The secretion of the cerebrospinal fluid (frog)
- P01NS-09704-04 0033 Developmental neurology - Cerebral solute transport and blood-brain barriers
- R01NS-09818-02 In vitro biochemical differentiation of nerve cells (mice)
- ** R01NS-09835-03 Neuropharmacologic studies in experimental epilepsy (cats, rats, monkeys)
- R01NS-09836-03 Cholinergic nerve ending particles
- R01NS-09870-02 Effects of anesthetics on cerebral metabolism (dogs)
- ** R01NS-09871-03 Anesthesia and the nervous system (cats)
- R01NS-09937-12 Neurosciences research program
- R01NS-09985-03 Isolation and reconstitution of excitable membranes (cattle)
- R01NS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
- R01NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
- ** R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- R01NS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
- ** R01NS-10270-01 Molecular pharmacological correlates of behavior (fish)
- R01NS-10277-02 Mechanisms of variable synaptic efficacy (frogs)
- R01NS-10312-01 Cochlear pharmacology- Neurotransmission
- ** R01NS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
- ** R01NS-10500-02 Biochemical probes of excitable membranes (crayfish)
- R01NS-10541-03 Biochemistry of lipids of brain and other tissues (rats)
- R01NS-10600-02 Role of pineal organ in brain function (fish)
- R01NS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
- R01NS-10670-02 Computer simulation of brain metabolism
- ** R01NS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
- R01NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
- ** R01NS-10823-02 Cellular neuropharmacology of drug action
- R01NS-10845-01 Physiology and pharmacology of ciliated epithelium (divalve, frog, chick, rat)
- ** R01NS-10886-08 Pharmacology of isolated cerebral cortex (human, cat, primates)
- R01NS-10913-02 Pharmacology of purified brain acetylcholinesterase
- R01NS-10968-01 The role of cyclic GMP in nervous tissue (animals)
- R01NS-11014-01 Dopamine-beta-hydroxylase-Neural release and metabolism (guinea pigs)
- R01NS-11126-01 Clinical and basic development of new anticonvulsants
- M R01NS-11138-02 Chemical mechanism in corpus striatum and behavior
- ** R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- R01NS-11138-02 0002 Chemical mechanism in corpus striatum and behavior - Conditional discrimination performance and dorsal head of striatum (rats)
- R01NS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)
- R01NS-11138-02 0006 Chemical mechanism in corpus striatum and behavior - Nigro-striatal dopamine modulation of behavior and arousal (rats)
- R01NS-11177-01 Neural role in muscular dystrophy (chicken)
- P01NS-11255-01 Comparative neurobiology (aphasia, fish, sea lions)
- R01NS-11295-01 Mechanisms of interneuronal communications in culture (rats)
- ** R01NS-11443-01 Computational investigations of problems in neurology
- R01NS-11445-01 Transmitter release from the neuromuscular junction (frogs)
- R01NS-11517-01 Behavioral thermoregulation-Role of the brainstem (monkey)
- R01NS-11544-01 Integration and regeneration in the nervous system (leeches)
- R01NS-11550-01 Behavioral pharmacology and transmitter metabolism (primates, birds, rodents)
- R01NS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
- ** R01NS-11580-01 New neuropharmacologic tools for cholinergic studies
- R01NS-11626-01 Physiology of neuroglia in the brain (cats)
- P01NS-11631-01 0003 Clinical center for research on Parkinson's and allied diseases - Electron microscopy studies (animals)
- P01NS-11631-01 0041 Clinical center for research on Parkinson's and allied diseases - Histofluorescence laboratory (rats)
- P01NS-11631-01 0057 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine (mice, rats)
- R01NS-11716-01 The physiological role of piperidine in CNS (snails)
- R01NS-11793-01 Neurotransmitter influence of neuroglia and gliosis (rats, rabbits)
- R01NS-11824-01 Amino acids and protein in brain structure and function (animals)
- R01NS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
- R01NS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)
- M01RR-00063-12 0065 General clinical research center - Evaluation of Tegretol in treatment of epilepsy (human)
- M01RR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
- M01RR-00865-01 0012 General clinical research center - Effect of sympathetic nervous system on sodium excretion during starvation

NEUROPHYSIN
SEE PITUITARY-DIENCEPHALON HORMONES, NEUROPHYSIN
NEUROPHYSIOLOGY (GENERAL)
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO BRAIN INTERHEMISPHERIC ACTIVITY

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- SEE ALSO CEREBROVASCULAR SYSTEM, BLOOD-BRAIN BARRIER
SEE ALSO CEREBROVASCULAR SYSTEM, BLOOD-CEREBROSPINAL FLUID BARRIER
SEE ALSO ELECTROPHYSIOLOGY
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO NERVOUS SYSTEM CENTRAL, CEREBROSPINAL FLUID FLOW
SEE ALSO NERVOUS SYSTEM CENTRAL, CEREBROSPINAL FLUID PRESSURE
SEE ALSO NEUROENDOCRINE SYSTEMS
- R01AA-00203-03 Brain stimulation and alcohol preference (rats)
- R12AA-00209-07 0006 Washington University Alcoholism Research Center - Psychological and physicochemical correlates of alcoholic blackouts
- R01AA-00247-06 Alcohol disinhibition in the visual system (frogs)
- R01AA-00334-01 Effects of alcohol on electrical activity of brain (cats)
- R01AA-00338-01 Effects of ethyl alcohol on striated muscle (human, rats)
- R01AA-00397-01 Brain response in alcoholics during drinking cycles
- R03AA-01391-01 Thiamine deficiency-Intracerebral mechanism
- ** R01AI-00947-18 Neurophysiology and behavior (cockroaches, moths, shrimp)
- R01AM-02372-16 Neurohumoral mechanisms influencing gastric function (monkeys, dogs, minipigs)
- R01AM-09892-09 Mechanisms of bile formation (rats, dogs)
- R01AM-14132-05 Adrenocortical function and membrane potential (rats, rabbits)
- R01AM-14952-04 Hemodynamic control of adrenal corticoid secretion (cats)
- R01AM-14993-04 Structure and function in transporting epithelia (squid)
- R01AM-16166-01 The physiology of neurophysin secretion (human, animals)
- R01AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
- ** R01AM-17112-02 Neural control of insulin secretion (rats, dogs)
- R01AM-17632-01 Neurophysiological control of GI motility (guinea pigs, rats, rabbits)
- ** R01AM-18064-01 Growth hormone and steroid release in sleep (human)
- R01AM-22211-03 Neurobehavioral and clinical responses to hemodialysis
- R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
- ** R01DA-00033-06 Effects of marijuana on perception and cognition (human)
- R01DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
- P01DA-00266-03 0003 Johns Hopkins drug abuse research center - Central cholinergic neurons and interaction with opiates (rats)
- R01DA-00584-01 EEG and neurophysiological studies of covert drug abuse
- ** R01DE-02152-09 0012 Dental physiology and biophysics - Neurophysiology of the tooth
- ** R01DE-02152-09 0013 Dental physiology and biophysics - Response characteristics of pulp activated cortical cells (monkeys)
- R01DE-02152-09 0016 Dental physiology and biophysics - Interaction of noxious and vibratory stimuli (human)
- ** R01DE-02152-09 0019 Dental physiology and biophysics - Neurophysiology of taste and chemosensation (mammals, fish)
- P01DE-02918-06 0007 Oral-facial growth and development in primates - Mastication (M nemestrina)
- R01DE-03485-03 Cerebral responses to tooth pulp stimulation in man
- R23DE-03644-02 Neurophysiology of tooth pain (cats)
- R23DE-03746-02 Neural mechanisms of temporomandibular joint kinaesthesia (cats)
- P01ES-00481-03 0009 Subcellular pathology of heavy metals - Methyl mercury intoxication (rats)
- R01ES-00649-03 Lead and mercury ions and chemical synapse (frogs)
- R01EY-00002-23 Pressure-regulating mechanisms in glaucoma (humans)
- R01EY-00012-11 Microphotometric studies on retinal rods and cones (birds)
- R01EY-00014-06 Electrophysiology of color vision (primates)
- R01EY-00015-10 Cytology, pathophysiology of aqueous pathways of eye (rabbits, primates)
- ** R01EY-00053-05 Neural mechanisms of vision (squid, rabbits, cats)
- R01EY-00088-11 Effects of brain lesions on brightness discrimination (cats)
- R01EY-00089-10 Structure and function of eyes (human, frogs)
- ** R01EY-00097-12 Development and organization of visual pathways (rabbits)
- R01EY-00125-05 Superior colliculus and the control of eye movements (monkeys, cats)
- R01EY-00154-04 Organization of the vertebrate visual system
- R01EY-00168-05 Visual mechanisms in lower vertebrates (fish, anurans)
- R01EY-00196-17 Lens and neural retinal development and regeneration (frogs)
- R01EY-00204-15 Etiology of reduced visual function (human, animals)
- R01EY-00205-15 Retina and retinal vessels (human, dogs, cats)
- R01EY-00212-15 Experimental and clinical visual electroretinography (human, monkeys)
- R01EY-00213-15 ERG and psychophysical studies in retinal disorders (human)
- R01EY-00215-14 Neuropathology and clinical ophthalmological diagnosis (human)
- R01EY-00220-13 Retinal and central visual function (human)
- R01EY-00222-14 Visual mechanisms (arthropods)
- R01EY-00236-13 Visual coupling reactions (Limulus)
- R01EY-00258-11 Cytology and physiology of the retina (animals)
- R01EY-00284-09 Growth environmental refractive changes (human, primates)
- ** R01EY-00293-09 Integrative mechanism of neurons (crayfish)
- M R01EY-00299-09 Neurophysiology of the visual apparatus
- R01EY-00306-08 Visual processes with a motionless retinal image (human, cat)
- R01EY-00325-09 Stimulus variables in monocular fixation (human, primate)
- R01EY-00375-06 Eye movements and visual direction (human)
- R01EY-00376-07 Effect of visual deprivation on vision (rats, cats)
- R01EY-00381-07 Excitability of visual pathways (humans, monkeys)
- R01EY-00392-07 Functional morphology of the limulus visual system
- ** R01EY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
- R01EY-00435-06 Molecular basis of photoreceptor activity (Limulus)
- R01EY-00468-15 Neurophysiology of the vertebrate retina (frogs, turtle)
- R01EY-00520-05 Visual excitation—Role of visual pigment (rats, frogs)
- ** R01EY-00530-12 A study of structure and function of retinal neurons (monkeys, cat)
- ** R01EY-00568-06 Neurophysiology of all-cone vision (monkeys, cats)
- R01EY-00573-12 Vision in special environments—Developmental effects (monkeys, cats, rats)
- R01EY-00589-07 Stimulus alternation and visual potentials (human)
- R01EY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
- R01EY-00597-05 Spatial selectivity in non-striate visual cortices (primates, cats)
- R01EY-00605-15 Organization of visual system (cats, monkeys)
- ** R01EY-00621-04 Functional organization of the visual system (mice)
- R01EY-00667-04 Functional organization of the visual system (horseshoe crabs)
- R01EY-00701-02 Single cell studies in optic tract (cats)
- R01EY-00756-03 Neurophysiological studies of the superior colliculus (monkeys)
- ** R01EY-00771-03 Neurophysiology of optokinetic nystagmus (rabbits)
- ** R01EY-00824-04 Structure and function of vertebrate visual systems (animals)
- R01EY-00828-03 Anatomy and physiology of visuomotor systems (cats, fish)
- R01EY-00834-03 Visual receptor potentials (limulus)
- ** R01EY-00835-03 Anatomy and physiology of vision (arthropods)
- ** R01EY-00844-03 Glial contributions to retinal function (amphibians, rabbits)
- R01EY-00927-03 Properties of the cortico-geniculate projection (monkeys)
- ** R01EY-00930-03 Early molecular events in visual excitation
- ** R01EY-00931-03 Stereoscopic vision in animals (cat, falcon)
- R01EY-00955-03 Alert primate oculomotor system
- ** R01EY-01012-02 Physiology of larval mosquito photoreceptors
- R01EY-01051-01 Neuronal basis of visual perception in primates
- R01EY-01074-02 Eye movement—Physiological organization (cats)
- R01EY-01085-02 Neural mechanisms of developing vision (cats, snail)
- R01EY-01086-02 Structure and development of visual cortex (primates)
- R01EY-01103-01 Vascular role in experimental retinopathies (rats)
- R01EY-01122-01 Development of the mammalian visual system (cats)
- R01EY-01139-01 Behavioral measures of binocular vision (man, monkeys)
- R01EY-01149-02 Physiology and psychology of vision (anurans)
- ** R01EY-01170-02 Neurophysiology consequences of visual cortex damage (cats)
- ** R01EY-01186-02 0001 The visual science research center grant - Human oculomotor physiology (and cats, monkeys, dogs)
- ** R01EY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
- ** R01EY-01186-02 0005 The visual science research center grant - Clinical and experimental glaucoma (rabbits, monkeys)
- R01EY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
- R01EY-01201-01 Lateral inhibition and metacontrast (human)
- R01EY-01227-01 Studies of the corneal endothelium of the eye (human, rabbit)
- ** R01EY-01230-01 Physiology of visual pigment (fishes)
- ** R01EY-01268-02 Development and functions of visual cortex (cats)
- R01EY-01278-01 Pharmacology of lenticular ion transport (boats)
- R01EY-01285-01 Quantitative determination of retinal function (locusts, crickets)
- ** R01EY-01286-01 Physiology of visual afferent pathways (monkeys)
- R01EY-01316-01 Organization of striate cortex (cats)
- R01EY-01319-01 0004 Visual science research center support - Electrophysiology studies of visual cortex in monkeys
- R01EY-01319-01 0007 Visual science research center support - Development in the visual system (mammals)
- R01EY-01323-01 Mechanism of visual excitation (cattle)
- R01EY-01325-01 Effects of refractive error in single cell coding (rabbits, monkeys)
- R01EY-01330-01 Organization of complex visual perception (human)
- R01EY-01336-01 Problems in human vision
- R01EY-01340-01 Corneal electrophysiology (frogs, rabbits)
- R01EY-01344-01 Freeze-fracture studies of the retina (monkeys, rabbits, turtles)
- R01EY-01394-01 Very early dark adaptation from intense bleaching (human)
- R23EY-01400-01 Effects of blood PO₂, PCO₂ and PH on retinal vessels (cows)
- R01EY-01406-01 Retina-Photoreceptor membrane synthesis and function (human, frogs, fish)
- R01EY-01497-01 Visual processing during eye movement (primates, human)
- P01GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
- P01GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)
- P01GM-15571-06 0046 Anesthesia research—Program project - Neural regulation (cats, rabbits)
- P01GM-15991-06 0006 Anesthesia research center - Chemical regulation of ventilation
- P01GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
- R01GM-20450-01 Acupuncture anesthesia and analgesia (human)
- ** R01GM-21106-01 Neurological mutants of *Drosophila melanogaster*
- ** P01HD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
- ** P01HD-01799-09 0001 Mental retardation research center - Development of inter-neuronal communication processes
- ** P01HD-01799-09 0012 Mental retardation research center - Synaptic function-subcellular fractionation techniques
- R01HD-01823-11 Effect of amino acids on metabolism, EEG, and behavior (human, rats)
- ** P01HD-02274-08 0034 Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)
- P01HD-02274-08 0042 Mental retardation and child development - Fine structure of deafferentation (cat, rats)
- P01HD-02274-08 0043 Mental retardation and child development - Degeneration associated with epileptic foci (monkeys)
- P01HD-02274-08 0062 Mental retardation and child development - Neurophysiology of epileptic foci (cats, sea slugs)
- ** P01HD-02274-08 0072 Mental retardation and child development - The prime visual system
- P01HD-02274-08 0145 Mental retardation and child development - Effects of deafferentation upon lateral cuneate nucleus (cats)
- ** P01HD-02528-08 0061 Research center in mental retardation - Physiology and pharmacology of RAPHE system (mammals)
- ** P01HD-02528-08 0084 Research center in mental retardation - Energy flow in nervous tissue
- ** P01HD-03015-08 0011 Program for developmental biology - Development of neuronal pathways (lobsters)
- M P01HD-03352-07 Wisconsin center on mental retardation (cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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** P01HD-03352-07 0004 Wisconsin center on mental retardation 2 Developmental neurophysiology (rodents, cats, racoons)

** P01HD-03352-07 0006 Wisconsin center on mental retardation - Neurophysiological correlates of behavior in awake animals (monkeys)

** P01HD-03352-07 0039 Wisconsin center on mental retardation - Auditory cortex (monkeys)

** P01HD-04335-06 0001 Brain-behavior relationships in mental retardation - EEG and evoked response studies of retarded subjects (human)

** P01HD-04335-06 0003 Brain-behavior relationships in mental retardation - Basic neurophysiological studies (cats)

P01HD-04612-06 0019 Mental retardation research center - Maturation in normal and retarded children

P01HD-04612-06 0020 Mental retardation research center - Activating and deactivating mechanisms of the rostral brain (mammals)

** P01HD-04612-06 0022 Mental retardation research center - Neural response plasticity during learning (human, cats)

R01HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)

** P01HD-05221-05 0027 Center grant in mental retardation - Neurophysiology

P01HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice

M P01HD-05958-03 Neurophysiology and neuropsychology in mental retardation

** P01HD-05958-03 0001 Neurophysiology and neuropsychology in mental retardation - Neural correlates of sensation and learning in the brain (cats, monkeys)

** P01HD-05958-03 0004 Neurophysiology and neuropsychology in mental retardation - Neurophysiological indices of maturation in autistic and retarded children

** P01HD-05958-03 0005 Neurophysiology and neuropsychology in mental retardation - Activating and deactivating mechanisms of the rostral brain (cats)

P01HD-05958-03 0006 Neurophysiology and neuropsychology in mental retardation - Human and animal vigilance

** P01HD-06276-03 0039 Mental retardation research program - Somatosensory evoked potentials, sucking and swallowing in newborns (human)

P01HD-06276-03 0040 Mental retardation research program - Neurophysiology of induced amblyopia exanopsia in kittens

P01HD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)

** P01HD-06276-03 0045 Mental retardation research program - Computer processing of neurophysiological data

** P01HD-06276-03 0067 Mental retardation research program - Retrograde intraxonal transport and organ culture (rats, primates)

R01HD-06761-03 Serotonergic mechanisms in inhibition of ovulation (rats)

R01HD-06853-02 Gustator and olfactory quality changes with age (human)

R01HD-06963-09 Properties of smooth muscle (rats)

R01HD-07340-01 Membranogenesis in cretinism and hyperthyroidism

** R01HD-07483-01 Functional development of the gustatory sense (sheep)

R01HD-08135-01 Hippocampus-A neuropsychological developmental study (monkeys)

R01HD-08194-01 Prenatal protein malnutrition and brain sterols

R01HD-08297-01 Respiratory control in early life (human)

** R01HD-08966-01 0005 Early diagnostic studies of aberrant development - Neonatal neurologic developmental examinations (human)

** R01HD-32789-02 A study of twins for neurophysiologic factors in SIDS (human)

R01HL-03429-15 Central nervous system and coronary heart disease (human)

** R01HL-04741-15 Central nervous control of cardiovascular function (primates)

** P01HL-05435-14 0024 Cardiovascular research and training program - Neurophysiology (pigs, monkeys, human)

R01HL-10951-07 Reflex control of ventricular contractility (human, dogs)

R01HL-12792-05 Local control of the microcirculation (hamsters, rats)

R01HL-13033-05 Neural cardiovascular control (dogs, monkeys)

R01HL-13427-04 Neural control of blood volume (dogs)

** R01HL-17689-02 Neurophysiologic studies of respiratory control (cats)

R01MH-00576-22 Biological timing devices in animals and man

R01MH-01475-16 Brain mechanisms in learning and response modulation (rats)

M R01MH-03372-15 Neural mechanisms in behavior

R01MH-03372-15 0018 Neural mechanisms in behavior - Development of eye movements and visual perception feedback (cats)

** R01MH-03701-15 0007 Clinical new chemotherapeutic agent evaluation - Correlation of clinical with animal data (human, monkeys, cats)

M R01MH-04151-14 Psychology and physiology of sleep

R01MH-04151-14 0004 Psychology and physiology of sleep - Effect of sleep deprivation on unit activity in reticular formation (rats)

R01MH-04151-14 0009 Psychology and physiology of sleep - Genetic determination of sleep in mice

R01MH-04726-14 Functions of association cortex in learning (cats, monkeys)

R01MH-05286-12 0004 Psychophysiology of perception - Levels of processing in speech perception (human)

R01MH-06686-12 Correlation of EEG and behavior (cats, rabbits)

R01MH-08366-11 Neural control of avian feeding behavior (pigeons)

M P01MH-08618-10 Biological studies of psychotic disorders

R01MH-08909-11 Physiological regulation of body weight (rats)

R01MH-10972-09 Analysis of behavioral functions of cerebral areas (monkeys)

R01MH-12526-09 Drug effects on learning and memory (rats, mice)

R01MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)

** R01MH-14594-05 Neurobehavioral functions of the limbic systems (rats, monkeys)

R01MH-15455-06 Viscero-endocrine responses to amygdala activity (monkeys)

R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)

** P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)

** R01MH-16581-05 Neurophysiological correlates of sexual behavior (rats)

P01MH-16674-06 0009 A program of psychiatry-oriented biological research - Release of neurotransmitters from synaptosomes (rats)

P01MH-16674-06 0012 A program of psychiatry-oriented biological research - False neurotransmitters in altered functioning of nervous system (rats)

P01MH-16674-06 0013 A program of psychiatry-oriented biological research - Uptake and release of choline by nerve endings (rats)

P01MH-16674-06 0014 A program of psychiatry-oriented biological research - Dihydroxytryptamines in rat brain

P01MH-16674-06 0023 A program of psychiatry-oriented biological research - Regional distribution of histamine in human brain

P01MH-16674-06 0024 A program of psychiatry-oriented biological research - Clomipramine stimulation test of dopamine system in schizophrenics

R01MH-17279-05 Psychoactive drugs and the organization of behavior (rats)

R01MH-17691-05 Interactions of drugs with brain acetylcholine (rats, cats, mice)

R01MH-18332-05 Temporal organization in behavior and development (human)

R01MH-18422-04 Psychoacoustic research in psychopathology (human)

** R01MH-18949-04 Central neurophysiology of the functional psychoses (human, animals)

R01MH-19560-04 Prospective study of children of schizophrenic parents

R01MH-19795-03 Learning mechanisms in abdominal ganglion of Aplysia

** R01MH-20059-02 Neural mechanisms of memory readout (cats)

R01MH-21076-02 Courtship in periodical cicadas

R01MH-21205-02 Stimulus modulation and drugs in hyperkinesis (human)

** R01MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)

R01MH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone

R01MH-21675-01 Brain mechanisms of intra-specific fighting in the rat

R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)

P01MH-22836-02 Children and families vulnerable to mental disorders

R01MH-23132-02 Neurosciences research program

R01MH-23767-01 Contour and context in visual pattern perception

R01MH-24016-01 An experimental approach to a form perception theory (human)

R01MH-24069-02 Cellular organization of memory (cats)

R01MH-24344-01 Sensory processing and adaptive behavior (cats)

R03MH-24382-01 Neural control of feeding (crayfish)

R03MH-24578-01 Delayed response and low frequency inhibition (cats)

R03MH-24715-01 Aggression-The developmental role of androgen (mice)

R03MH-24728-01 Visual spatial frequency channels in primate cortex

** R01MH-24872-01 47,XXX and 47,XXY males' neurophysiological behavior (human)

** P01MH-25515-01 0009 Collaborative biological research on schizophrenia - Neurological effects of phenothiazines on the mesolimbic dopamine pathway (rats)

R01MH-25669-01 Neurophysiological studies in high risk children

** R03MH-25946-01 Neurophysiological studies of mutant cerebellar cultures (mice)

R01MH-26251-01 CNS regulation of eating and drinking behavior (rats)

** R01NS-00021-26 Comparative neurophysiology (animals)

R01NS-00031-25 Physiology and pharmacology of brain stem (cats, rats)

R01NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)

** R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)

R01NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)

R01NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)

R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)

R01NS-01330-18 Physiology of vestibular system (monkeys)

** R01NS-01344-17 Physiological studies of the auditory system (cats, lizards)

R01NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)

R01NS-01615-16 Nitrogen metabolism of nervous tissue (animals)

R01NS-01941-16 Neurophysiology of food intake (rodents)

M P01NS-02253-15 Neurophysiological and neurochemical studies

R01NS-02289-15 Studies in cerebellar physiology (monkeys, cats)

** R01NS-02501-13 Computers and neurophysiology in study of brain (human, mammals, non-human)

R01NS-02812-14 Chronic focal epileptogenic lesions and deep structures (animals)

R01NS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)

R01NS-02944-14 Neural organization in ganglia (crayfish)

R01NS-02957-14 Suprasegmental influences on spinal motoneurons (baboons)

R01NS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)

R01NS-03101-14 Phospholipids of the nervous system (animals)

R01NS-03321-13 Electrolytes in nerve and muscle function (frogs)

** P01NS-03354-13 0003 Neurosensory center - Neurophysiology (rats)

** P01NS-03356-14 0041 Neurological clinical research center - Neurophysiologic correlates of linguistic and non-linguistic processing (human)

** P01NS-03356-14 0043 Neurological clinical research center - Neuropsychological studies (human)

R01NS-03469-13 Neurological bases of feeding and drinking (rats)

R01NS-03606-13 Learning, perception and neural integration (monkeys)

M P01NS-03627-12 Cerebral and related systems

R01NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)

R01NS-03950-12 Sensory processes (horseshoe crab)

R01NS-04003-11 Acoustic specification of speech (human)

** P01NS-04053-12 0003 Epilepsy - Neurophysiology-Firing mechanisms (cats)

** P01NS-04053-12 0007 Epilepsy - Hyperactivity in spinal cord sensory system (cats)

R01NS-04064-12 Amino acids and protein in brain structure and function (animals)

R01NS-04119-11 Plasticity of synaptic mechanisms (cats)

R01NS-04131-12 Thalamo-cortical connections in brain (monkeys)

R01NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)

** R01NS-04456-12 Chemosensors of the nervous system (cats)

P01NS-04513-11 0013 Coordinated basic and clinical brain research program - Glial contributions to steady potentials (cats)

R01NS-04555-11 Influence of thyroxin upon neurons (frogs, rats)

R01NS-04655-12 Single unit activity and thermoregulation (rabbits)

R01NS-04656-11 Protein synthesizing machinery (frogs)

R01NS-04744-11 Neural mechanisms of postural control (dogs)

R01NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)

R01NS-04955-11 Conditioning of pyramidal activity by sensory inflow (cats)

R01NS-04988-11 Cholinergic receptor activation and desensitization (frogs)

R01NS-04989-11 Integration of sensory input (clams, crayfish)

R01NS-05136-11 High-speed data acquisition and computer analysis (primates, cats)

R01NS-05143-10 Neural encoding of patterned acoustic stimuli (birds, monkeys)

** R01NS-05237-11 Physiology of auditory and vestibular systems (monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-05264-10 Significance of neuronal discharge parameters (mollusks/fish)
- ** ROINS-05423-10 Neural basis of behavior (crayfish)
- ROINS-05437-09 Response plasticity during increased synaptic use (cats)
- ROINS-05509-10 Studies of neural lysosomes (human, rats)
- ROINS-05606-10 Interactions between neurons (cats, crayfish, rabbits)
- ROINS-05881-09 Otopathology by light microscopy (human)
- ROINS-05982-09 Development of afferent neural centers (opossum)
- ROINS-06115-10 Anatomy of the auditory system (cats, rats)
- ROINS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
- ROINS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
- POINS-06208-09 0004 Epilepsy research program - Action of diphenylhydantoin (lobsters, rats, cattle, rabbits)
- M POINS-06225-09 0002 Cerebral localization
- POINS-06225-09 0002 Cerebral localization - Comparative studies of brain specialization in mammals (raccoons, rats, cats)
- POINS-06225-09 0005 Cerebral localization - Single unit studies in the auditory system (cats, primates, birds)
- ** ROINS-06232-09 Formation and function of synapses (animals)
- ROINS-06370-08 Chemistry of glycolipids (frogs, human, rats)
- ROINS-06448-09 Pathogenesis of hereditary neurological disorders (mice)
- ROINS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
- ROINS-06563-08 Evaluation of some central and peripheral vestibular mechanisms (human, monkeys)
- ROINS-06575-08 Metabolic processes of the inner ear (chinchillas, guinea pigs)
- ROINS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- ROINS-06624-09 CNS control of fluid and electrolyte metabolism (cats)
- ** ROINS-06658-09 Central vestibular mechanisms (cats)
- ROINS-06716-08 Cortical-thalamic relationships (cats, rats)
- ROINS-06730-08 Stimulus-related DC potentials of the cochlea (guinea pigs)
- ROINS-06756-07 Developmental nervous disorders - Krabbes disease (dogs)
- ROINS-06785-08 Central mechanisms in the vestibular apparatus (cats)
- M POINS-06827-08 Integrated approaches to neurobiological problems
- ** POINS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
- M POINS-06828-08 Neurophysiology-Sensory systems and cerebral cortex
- ** POINS-06828-08 0020 Neurophysiology-Sensory systems and cerebral cortex - Laboratory computer system
- POINS-06828-08 0021 Neurophysiology-Sensory systems and cerebral cortex - Parietal areas 5 and 7 of cerebral cortex of the monkey
- POINS-06828-08 0024 Neurophysiology-Sensory systems and cerebral cortex - Sensory events in the limb movements, in the waking, behaving monkey
- POINS-06828-08 0026 Neurophysiology-Sensory systems and cerebral cortex - Loss of function, remaining capacity of cortical area of parietal lobe (monkey)
- POINS-06828-08 0029 Neurophysiology-Sensory systems and cerebral cortex - Central nervous mechanism in pain (monkeys)
- POINS-06828-08 0030 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity in patterns during fixation gaze (monkeys)
- POINS-06828-08 0031 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity in controlled eye movements
- POINS-06828-08 0032 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity and pattern perception
- POINS-06828-08 0036 Neurophysiology-Sensory systems and cerebral cortex - Postural reactions of the intact animal
- ** POINS-06828-08 0037 Neurophysiology-Sensory systems and cerebral cortex - Computer in neurophysiology
- ROINS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
- M POINS-06890-07 Sensory processes
- ROINS-06925-09 The fine structure of the nervous system (monkeys)
- ROINS-06947-08 Bioelectric studies of cerebral cortex (human, racoons)
- ROINS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
- ROINS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- ROINS-07065-08 Properties of isolated acetylcholine receptor (electric fish)
- ROINS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
- ROINS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
- ** ROINS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
- ROINS-07156-09 Enzyme theory and relationship to function (mice)
- M POINS-07226-06 Neurosensory interdisciplinary research program
- POINS-07226-06 0017 Neurosensory interdisciplinary research program - Evaluation of the clinical eye movement detector (primates)
- ROINS-07261-08 Spinal somesthetic pathways (monkeys)
- ROINS-07287-06 Space-time patterns evolved by acoustic complexes (chinchillas)
- ROINS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)
- ROINS-07410-07 A comparative study of the extrapyramidal system (opossum)
- ** ROINS-07457-08 Brain function and the metabolism of macromolecules (mice)
- ROINS-07474-07 Electrical and contractile properties of muscle (squid)
- ROINS-07498-07 Peripheral auditory mechanisms (cats)
- ROINS-07505-06 Neural correlates of skin sensibility (cats)
- ROINS-07507-07 Cerebral metabolism and blood flow during anesthesia (dogs, primates)
- POINS-07512-06 0028 Neuronal development, interaction and organization - Interactions between neural and endocrine integrative centers (insects)
- ** ROINS-07616-13 Acoustic perception and echo-orientation (bats)
- ROINS-07685-06 Vestibular control of sensory mechanisms (cats)
- ROINS-07702-11 Chemistry and function in the central nervous system (rabbits)
- ROINS-07715-06 Recorded body sway in evaluation of equilibrium (human)
- ROINS-07726-08 Sensory cortex (primates, opossum, hedgehog)
- ROINS-07730-06 Physiology of CNS afferent pathways (cats)
- ROINS-07734-06 Electrical excitation in giant axons (electric fish, squid)
- ** ROINS-07758-06 NMR studies of cell excitation (frogs, rats)
- ROINS-07778-07 Neural development (crickets)
- ROINS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
- ROINS-07838-06 Pathophysiology of cerebral hypoxia (human, animals)
- ROINS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- ROINS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
- ROINS-07888-08 Neural aspects of posture and locomotion (cats)
- ROINS-07925-03 Binaural neurophysiology (kangaroo rats)
- POINS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
- ROINS-07941-05 Limbic system in hypothalamic aggression (cats)
- ** ROINS-08040-05 Neurophysiology of oculomotor-visual integration (cats)
- ROINS-08041-06 Mechanisms of speech production (human)
- ** ROINS-08048-04 Comparative studies on mammalian nervous system (monkeys)
- ROINS-08108-07 Escape reflex-Physiology of habituation (crayfish)
- ROINS-08116-07 Excitations in condensed molecular aggregates
- ** ROINS-08174-06 Molecular properties of ionic permeability in nerve (frogs)
- ROINS-08181-05 Auditory thalamo-cortical projections (monkeys)
- ROINS-08221-06 Role of cerebellum in control of movement (cats, monkeys)
- ROINS-08233-06 Regenerating mammalian neuromuscular junctions (rats, chickens)
- ROINS-08278-06 Structure, metabolism and function of myelin proteins (animals)
- ROINS-08291-04 Myelin biosynthesis and turnover (human, mice)
- ROINS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
- ROINS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
- ROINS-08336-14 Ion fluxes in nerve and muscle (squid, barnacles)
- ROINS-08346-07 Long-term interactions of neurons and glia (necturus, crustaceans)
- ROINS-08409-06 Ionic conductance in nerve at low temperatures (squid)
- ROINS-08443-06 Peripheral and central modulation of specific neurons (Aplysia)
- ROINS-08444-06 Post-synaptic electroplaque membrane (eel)
- ROINS-08451-06 Efferent projections of the vestibular nuclei (cats)
- ROINS-08453-06 Pathways subserving proprioception (rats, amphibians)
- ROINS-08470-06 Dynamic modeling of knee joint receptor activity (human)
- ROINS-08596-06 Neural processes in somatic movement (monkeys)
- ROINS-08597-06 Synaptic membrane structure and function (rats)
- ROINS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
- ** ROINS-08610-04 Neural activity and behavior (barnacles)
- ROINS-08635-05 Cochlear distortion and the role of CM in hearing (guinea pigs)
- ROINS-08706-05 Analysis of fast and slow phases of saccular flow (cats)
- ** POINS-08711-04 0010 Fundamental studies relating to multiple sclerosis - Clinical neurophysiology
- ROINS-08732-04 Communication during behavior (crickets, guinea pigs)
- ROINS-08785-03 Improvement of cerebral blood flow following ischemia (rabbits)
- ** ROINS-08798-04 Role of the red nucleus in motor function (opossum)
- ROINS-08813-05 Structure and function of the inner ear (birds, guinea pigs)
- ROINS-08814-05 Relation of neural responses to odor properties (turtles, frogs, birds, mammals)
- ROINS-08829-06 ACH turnover and choline metabolism in the CNS (rats, guinea pigs)
- ROINS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
- ** ROINS-08862-05 Metabolism of cells and parts of cells in nervous tissue (mammals)
- ROINS-08907-04 Choreaform dyskinesia after striatal lesions (cats, monkey)
- ROINS-08935-04 Photomyoclonic epilepsy (baboons)
- ROINS-08951-06 Permeability mechanisms in excitable membranes (squid)
- ROINS-08962-06 Automatic pattern recognition in the EEG (human)
- ROINS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)
- ROINS-08989-12 Brain function during altitude acclimatization (rats)
- ** ROINS-09012-05 Microneurophysiology (animals)
- ROINS-09015-05 Growth of axons in development of the nervous system (rats, cats)
- ROINS-09040-05 Photosensitization of giant axons (lobsters)
- ROINS-09042-05 Presynaptic basis of neuromuscular transmission (rats)
- ROINS-09050-04 Neuronal control of locomotion and neuronal ontogeny (animals)
- ROINS-09074-05 Generation of neuronal output patterns (crickets)
- ** ROINS-09083-04 Behavioral neurophysiology (locust)
- ROINS-09140-04 Internal sensing systems and drinking behavior (rats)
- ROINS-09196-04 Discharge patterns of motoneurons (cats, frogs)
- ROINS-09243-04 Intracellular responses in auditory papilla (lizards)
- ROINS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
- ROINS-09330-04 Development of neurons and related cells in vitro (Drosophila)
- ROINS-09331-04 Cytology and function of adrenergic neurons in brain (toads)
- ROINS-09339-04 Chemistry of plastic changes in neurons (Aplysia)
- ROINS-09343-04 Eye-head coordination (monkeys)
- ROINS-09348-04 Glycoproteins in brain (rats, rabbits)
- ROINS-09378-04 Neurological mutants (mice)
- ROINS-09404-04 Central control of sensory interneurons (insects, mollusks)
- ROINS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
- ROINS-09408-03 Local cerebral blood flow (cats, monkeys)
- ROINS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
- ROINS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)
- ROINS-09472-04 Response of dorsal column nuclei to natural inputs (cats)
- ROINS-09474-04 Integrative mechanisms in ganglia (decapods)
- ** ROINS-09475-04 Transport and membrane circulation in nervous tissue (animals)
- ROINS-09603-04 The biochemical effects of sensory deprivation (chicks)
- ** ROINS-09623-04 Structure and function of neocortex (animals)
- ROINS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
- ** POINS-09649-04 0011 Research in parkinsonism - Functional interrelations of brain aminergic systems (rats, primates)
- ** ROINS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)

(cont)

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 **Oriented significantly to above subject.
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- ROINS-09661-05 Organization of the nervous system (lamprey)
- ROINS-09666-02 The secretion of the cerebrospinal fluid (frog)
- ROINS-09677-04 Motoneuron repetitive firing mechanisms (cats)
- ROINS-09692-04 Semicircular canal afferent responses (elasmobranchs)
- ROINS-09696-04 Neural control of discrete behavioral processes (snails)
- POINS-09704-04 0019 Developmental neurology - Sensory interaction (human)
- POINS-09704-04 0020 Developmental neurology - Evoked potentials and analytic techniques in auditory deficits (human)
- POINS-09704-04 0023 Developmental neurology - Receptive field organization of primate somatosensory cortex
- POINS-09704-04 0036 Developmental neurology - Comparison of simple complex auditory stimuli
- POINS-09704-04 0038 Developmental neurology - Receptive field organization of primate somatosensory cortex
- ROINS-09744-05 Stochastic models of neural systems
- ROINS-09746-04 Vagal effects on cortical PT-neuron activity (cats)
- ROINS-09800-03 Regulation of ACTH—Role of neural inhibition (rats)
- ROINS-09864-04 Tactile peripheral nerve recordings and psychophysics (human)
- ROINS-09915-03 Hormone influence on brain function and malfunction (human, primates)
- ROINS-09937-12 Neurosciences research program
- ROINS-09948-03 Transport of materials by the choroid plexus (cats, rabbits)
- ROINS-09955-03 Biochemical studies in identified neurons (Aplysia)
- ROINS-09957-03 Postural regulation of loaded crayfish abdomen
- ROINS-09970-02 Organization of cutaneous neurons in dorsal horn (cats)
- ROINS-10033-04 Neural membrane activity—Related structural changes (snails)
- ROINS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
- ROINS-10137-03 Upper and lower motoneurons (Boa constrictor)
- ROINS-10139-04 Central nervous system in immune processes (guinea pigs)
- ROINS-10150-03 Neural systems of ingestive behavior (rats)
- ROINS-10183-03 Cortical neuronal mechanisms of motor control (primates)
- ROINS-10268-03 Chemistry and physiology of inner ear fluids (human, cats, dogs)
- ROINS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
- ROINS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
- ROINS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- ROINS-10405-03 Neural coding of taste-quality information (rats)
- ROINS-10414-03 Organization of central auditory system (cats, monkeys)
- ROINS-10457-03 Ultrastructure and function of nerve and muscle (crayfish)
- ROINS-10460-01 Neurophysiology of excitable cells in vitro
- ROINS-10469-02 Regulation of synchronous neuronal discharge (cats)
- ROINS-10492-03 Computer analysis of neuron structure and function (frogs)
- ROINS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
- ROINS-10500-02 Biochemical probes of excitable membranes (crayfish)
- ROINS-10536-02 Organization of the striate cortex (monkeys)
- ROINS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)
- ROINS-10567-02 Structurofunctional studies of neuropil modules (cats)
- ROINS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
- ROINS-10726-02 Effects of sensorimotor EEG conditioning on epilepsy (human, cats)
- ROINS-10757-03 Behavioral and neural analysis of learning (Aplysia)
- ROINS-10781-01 Models of neural networks
- ROINS-10792-02 Physiology of synapses developing in vivo (salamanders)
- ROINS-10799-01 Cerebral cortical edema in arteriovascular stroke (primates)
- ROINS-10806-01 Connections of auditory cortex (monkeys)
- ROINS-10837-01 Model studies of myelin stability
- ROINS-10845-01 Physiology and pharmacology of ciliated epithelium (bivale, frog, chick, rat)
- ROINS-10854-01 Neurophysiology of single vestibular neurons (monkeys)
- ROINS-10857-01 Organization of the motoneuron-pool and its inputs (cats)
- ROINS-10864-02 Axon regeneration in the spinal cord (rats)
- ROINS-10865-02 Functional organization of the somatosensory cortex (primates)
- ROINS-10866-08 Pharmacology of isolated cerebral cortex (human, cat, primates)
- ROINS-10916-01 Binaural hearing (human)
- POINS-10920-02 0015 Development and regeneration in the nervous system - Studies of chromatolysis (frogs)
- POINS-10920-02 0017 Development and regeneration in the nervous system - The response of non-neuronal cells to axotomy (amphibians)
- ROINS-10973-02 Anatomy and physiology of cerebellar pathways (animals)
- M POINS-10981-02 Control of activity in excitable tissues
- ROINS-10987-02 Physiological data processing and analysis
- ROINS-11010-01 Neurobiology of insect development and metamorphosis (Lepidoptera)
- ROINS-11012-01 Neural mechanisms of a model drive system (rats)
- ROINS-11080-01 Transduction mechanisms in lateral line organs (amphibians)
- ROINS-11157-01 Interaction of interaural time (phase) and intensity (human)
- ROINS-11160-02 Synapse formation in low-density culture (chick embryo)
- ROINS-11186-01 Regional cerebral metabolism and blood flow (primates)
- ROINS-11190-01 Histochemical studies of neural influences (rabbits)
- ROINS-11212-01 Pulse pressure in normal and hydrocephalic (cats)
- ROINS-11218-02 Single unit analysis of the superior olivary complex (cats)
- ROINS-11219-02 Interrelationships to sensorimotor neurons (cats)
- ROINS-11221-02 Histopathology of the temporal bones of children (human)
- ROINS-11254-01 Projections of midbrain reticular formation (cats)
- M POINS-11255-01 Comparative neurobiology (Aplysia, fish, sea lions)
- POINS-11255-01 0001 Comparative neurobiology (Aplysia, fish, sea lions) - Neurophysiological correlates of long-term sensitization in Aplysia
- POINS-11255-01 0004 Comparative neurobiology (Aplysia, fish, sea lions) - Function of biogenic amines with isotopically labelled derivatives
- POINS-11255-01 0009 Comparative neurobiology (Aplysia, fish, sea lions) - Unmyelinated fibers in the ventral root (cats)
- ROINS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
- ROINS-11379-02 Electrophysiological studies of epileptic brain (human)
- ROINS-11386-01 Experimental neuropathies—Correlative studies (cat)
- ROINS-11431-01 Fine structure of synapses and their modification (animals)
- ROINS-11443-01 Computational investigations of problems in neurology
- ROINS-11458-01 Neurophysiologic studies of respiratory control (mammals)
- ROINS-11468-01 Development of rhythmic processes in neonatal thalamus (cats)
- ROINS-11481-01 Neurotrophic influences on developing muscle
- ROINS-11513-01 Neural mechanism of mutant phenotypes (Drosophila)
- ROINS-11554-01 Behavioral analysis of central hearing mechanisms (primates, hedgehog)
- ROINS-11555-01 Synaptic organization of identified neural network (mollusks)
- ROINS-11565-01 Disease supersensitivity of the auditory system (human, mice)
- ROINS-11588-01 Bio-assay of nerve trophic substances
- ROINS-11589-01 Integrative neuroanatomy (rats, mice)
- ROINS-11616-02 Study of effaction in the rat
- ROINS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
- ROINS-11619-01 Respiratory energy metabolism in brain explants (rats)
- ROINS-11626-01 Physiology of neuroglia in the brain (cats)
- ROINS-11630-02 Neurological and genetic analysis of acoustic behavior (crickets)
- POINS-11631-01 0043 Clinical center for research on Parkinson's and allied diseases - Neurophysiological evidence of vestibular projections (cats)
- ROINS-11641-19 Biological effects of steroids (mice, rats, monkeys)
- M POINS-11647-01 Peripheral and central auditory mechanisms
- ROINS-11848-01 Influence of neurons upon muscle spindle development (rats)
- ROINS-11667-01 Signal generating mechanisms in olfactory epithelium (frogs)
- ROINS-11668-01 The biological basis for olfactory behavior (pigeons)
- ROINS-11671-01 Does experience help lateral hypothalamic recovery (rats, cats)
- ROINS-11713-01 Functional studies of the vomeronasal system (snails)
- ROINS-11716-01 The physiological role of piperidine in CNS (snails)
- POINS-11766-01 0008 Clinical research center for neuromuscular disease - Myoneural function in full term and premature infants
- POINS-11766-01 0011 Clinical research center for neuromuscular disease - Clinical neurophysiology
- ROINS-11779-01 Hemisphere integration and specialization (cats)
- ROINS-11824-01 Amine acids and protein in brain structure and function (animals)
- ROINS-11831-01 Control mechanisms in regeneration and polarity (annelids)
- ROINS-11834-01 Fine structure of spinal cord (monkeys, cats)
- ROINS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
- ROINS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- ROINS-12031-01 Functional organization of CNS vasomotor system (cats)
- ROINS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)
- ROINS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)
- ROINS-12066-01 Biochemical studies in identified neurons (Aplysia)
- NOINS-32307-01 Urinary bladder evacuation (mammals)
- NOINS-32308-01 Electrical stimulation of spinal cord (mammals)
- NOINS-42331-00 Electrical stimulation of the cerebellum (monkeys)
- NOINS-42332-00 Electrical stimulation of cerebellum (monkeys)
- MOIRR-00037-14 0131 General clinical research center - Physiologic basis of chronic pain (human)
- MOIRR-00071-11 0024 General clinical research center - Pathological anatomy and physiology of neuromuscular junction (human)
- POGRR-00165-14 Support of the Yerkes Regional Primate Research Center
- POGRR-00166-14 Regional primate research center at University of Washington
- POGRR-00169-13 Operation of the National Center for Primate Biology
- MOIRR-00229-09 0026 General clinical research center - Catecholamine metabolism and neural maturation in children
- PO7RR-00249-09 Support of laboratory computer resources
- PO7RR-00326-08 Computer resource research and development
- PO7RR-00396-07 Resource for biomedical computing
- POGRR-00421-13 Primate research program resource
- MOIRR-00645-03 0056 Clinical research center - State of consciousness and hormonal control of water balance (human)
- POGRR-08064-03 Dillard University biomedical research program
- NEUROPHYSIOLOGY, INTRACRANIAL PRESSURE**
SEE ALSO EYE DISORDERS, PAPILLOEDEMA
SEE ALSO NERVOUS SYSTEM CENTRAL, CEREBROSPINAL FLUID PRESSURE
- RO1AA-00183-03 Influence of acute alcoholism on brain injury (dogs, monkeys)
- PO2CA-05826-13 0070 Clinical cancer research center - Monitoring intracranial pressure (human)
- RO1CA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
- RO1CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
- RO1EY-00031-05 Experimental pathology of the optic nerve (monkeys)
- RO1EY-01163-02 Pathology and pathogenesis of edema of optic disc (monkeys)
- PO1GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
- PO1GM-14267-09 0013 Microelectronics laboratory for biomedical science - Neurosurgical monitoring
- PO1GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
- PO1GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
- PO1GM-19599-02 0008 Surveillance and predictive diagnosis in surgical patients - Central nervous system - Clinical (human, cats)
- PO1GM-19599-02 0009 Surveillance and predictive diagnosis in surgical patients - Instrumentation development team
- PO1GM-20309-02 0002 Acute trauma study center - Effect of head injury on heart (human, dogs)
- RO1HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- RO1HL-15423-02 Regional cerebral blood volume by X-ray fluorescence (human, monkeys)
- ROINS-04876-09 Central neural regulation of baroreceptor reflexes (cats)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

POINS-06779-06 0005 Cerebrovascular clinical research center - Vasomotor mechanisms and neural control of CV function (cats, dogs, human)

** POINS-07226-06 0011 Neurosensory interdisciplinary research program - Intracranial pressure monitor (monkey, cats)

M POINS-07253-06 Center for clinical studies of head injuries

** POINS-07253-06 0008 Center for clinical studies of head injuries - Intracranial blood volume after head injury (cats)

** POINS-07253-06 0009 Center for clinical studies of head injuries - Respiratory function in intracranial pressure in head injuries (human, monkeys)

** POINS-07253-06 0014 Center for clinical studies of head injuries - Relationship of intracranial pressure to cerebral blood flow (monkeys)

** POINS-07253-06 0019 Center for clinical studies of head injuries - Head injury in cerebral blood flow and intracranial pressure (monkeys)

** POINS-07253-06 0025 Center for clinical studies of head injuries - Intracranial pressure monitoring in humans after head injury

POINS-07366-07 0009 Head injury clinical center research program - Local brain lesions-Regional cerebral blood flow and metabolism (rats)

POINS-07366-07 0013 Head injury clinical center research program - Cerebral blood flow and metabolism in acute head injury (human)

** POINS-07366-07 0014 Head injury clinical center research program - Pathogenesis of respiratory failure after head trauma (human)

** POINS-07377-05 0001 Clinical head injury research - Clinical evaluation of the patient

** POINS-07377-05 0003 Clinical head injury research - Altering arterial carbon dioxide and oxygen (human)

POINS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)

** ROINS-09991-03 Hypoxia and increased intracranial pressure

** ROINS-11710-01 Intracranial pressure monitor (human, animals)

NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION

** ROIAA-00373-01 Alcohol effects on nerve impulse activity on brain

** P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)

P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)

P10ES-00159-09 0021 Center for study of the human environment - Toxic metals and specific brain structures (rabbits)

ROIHD-07035-02 Development of inhibition and facilitation of startle (human)

POINS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)

** ROINS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)

ROINS-08346-07 Long-term interactions of neurons and glia (nocturns, crustaceans)

** ROINS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)

ROINS-10617-01 Olfactory physiology (rabbit, opossum)

POINS-10981-02 0006 Control of activity in excitable tissues - Conductance of single open sodium channel (lobsters)

** POINS-11132-01 0003 Neural basis of effects produced by spinal cord damage - Enduring changes in synaptic efficacy (cats)

** POINS-11132-01 0005 Neural basis of effects produced by spinal cord damage - Descending impulses in functional organization of the spinal dorsal horn (monkey)

POINS-11255-01 0004 Comparative neurobiology (aphysia, fish, sea lions) - Function of biogenic amines with isotopically labelled derivatives

ROINS-11481-01 Neurotrophic influences on developing muscle

** POINS-11766-01 0009 Clinical research center for neuromuscular disease - Motor nerve conduction velocities in pretermatures

NOINS-22314-02 Intramuscular stimulation of paralyzed muscle (human)

NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION

SEE ALSO BRAIN ELECTRICAL ACTIVITY, SPREADING CORTICAL DEPRESSION

** ROIDA-00784-01 Narcotic effects on nerve impulse activity in the brain

** ROIEY-00777-03 Neural interactions of the retina (dragonflies)

POIGM-09069-12 0096 Research in anesthesiology - Motor block produced by anesthetics

ROIHD-06788-03 Neural-endocrine control of the euiduct (rabbits)

ROIHD-07035-02 Development of inhibition and facilitation of startle (human)

** ROIHL-13187-05 0007 Central neural control of cardiovascular function - Central sympathetic nervous inhibition (cats)

POIMH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)

** ROIMH-14092-07 Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle)

ROIMH-17871-05 Psychotogenic drug action on chemically defined neurons (rats)

** ROIMH-22438-02 The GABA system in schizophrenia (Drosophila, mice, human)

** ROINS-06948-09 Pallidal inhibition of brainstem activity (cats)

POINS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)

POINS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)

ROINS-09661-05 Organization of the nervous system (lamprey)

ROINS-09971-02 Use and disuse of spinal pathways (cats, rats)

ROINS-10163-03 0002 Acute spinal cord injury center - Norepinephrine metabolism in spinal cord injury-Neurological deficits (cats)

ROINS-10216-03 Processing of acetylcholine by synaptic vesicles (guinea pigs)

ROINS-10617-01 Olfactory physiology (rabbit, opossum)

** POINS-10727-02 0002 The pathologies of sleep-A clinical program - Experimental studies in animals (cats)

POINS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)

** ROINS-11055-02 Control of mammalian muscle during reinnervation (rat)

POINS-11132-01 0002 Neural basis of effects produced by spinal cord damage - Posttraumotional hyperreflexia (frogs)

NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION

ROIAM-17240-01 Physiological mechanisms of satiety (rats, monkeys)

POIGM-16437-06 0003 Biomedical engineering program project - Neural systems (frogs, mollusks)

ROIAM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norepinephrine synthesis and neurally mediated release (rats, guinea pigs)

POIHD-02274-08 0146 Mental retardation and child development - Degeneration in cervical dorsal columns and lateral cuneate nucleus (cats)

** ROINS-05016-11 Electro-anatomy of the cochlea (guinea pigs)

ROINS-06478-09 Transduction and encoding in mechanoreceptors (cockroach)

POINS-07938-06 0001 Peripheral and central nervous system - Chemoreceptor receptors (cats, frogs)

** POINS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)

ROINS-09661-05 Organization of the nervous system (lamprey)

ROINS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)

ROINS-10655-02 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)

ROINS-11731-01 Control of the inner ear microcirculation (guinea pig)

ROINS-11936-01 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)

NEUROPHYSIOLOGY, NERVE THRESHOLDS

SEE ALSO SENSORY THRESHOLDS

** POICA-07368-11 0024 Interrelationships of normal and cancer cells - Convergence of somatic inputs on posterior thalamus (monkeys)

POIES-00040-10 0010 Environmental toxicology of pesticides - Psychobiological effects of pesticides (rats, quail)

ROIMH-15946-05 Conditioning with electrical stimulation of the brain (cats, dogs)

ROINS-11671-01 Does experience help lateral hypothalamic recovery (rats, cats)

NEUROPHYSIOLOGY, NEURAL CONDUCTION

NOIAM-22200-04 Uremic polyneuropathy investigations (human)

ROIES-00902-02 Diagnosis and therapy of chronic childhood plumbism

** POIGM-15991-06 0050 Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)

POIGM-16437-06 0003 Biomedical engineering program project - Neural systems (frogs, mollusks)

** ROIGM-21724-01 Effects of neuroactive agents on nerve conduction

** ROIHD-07277-02 Development of the nervous system (human)

** ROIHL-01803-20 0004 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins in nerves (human, chick embryo)

ROIHL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)

ROIMH-16127-06 0002 Muscle enzyme release in the acute psychoses - Additional evidence for muscle abnormalities (human)

** ROINS-05934-09 Basic neural mechanisms (slugs)

POINS-07226-06 0007 Neurosensory interdisciplinary research program - Thermal stimulator for neurosensory research (monkeys)

ROINS-08970-04 Pathology of acute, experimental spinal cord injury (monkeys, cats)

ROINS-09003-05 Structure, function, and assembly of nerve membranes (rats)

ROINS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)

POINS-09889-04 0015 Investigation of agents which damage the ear - Multi-unit recording related research (cats, guinea pigs)

** ROINS-10019-03 Nerve triphosphoinoside function (cats)

ROINS-10759-02 Determinants of somatic sensory neuronal responses (monkeys)

POINS-10981-02 0003 Control of activity in excitable tissues - Chemical modification and ultrastructural changes in axon membranes (animals)

ROINS-11026-01 An analysis of reinnervated muscle spindles (cats)

POINS-11066-01 0001 Fundamental studies in spinal cord injury - Electrophysiological studies in spinal cord injury (cats)

POINS-11255-01 0005 Comparative neurobiology (aphysia, fish, sea lions) - Neuronal and glial tissue culture models of intercellular communication

ROINS-11386-01 Experimental neuropathies-Correlative studies (cat)

** ROINS-11441-01 Neural basis of epileptiform activity (rats, rabbits)

** POINS-11631-01 0071 Clinical center for research on Parkinson's and allied diseases - Conduction velocity of motor nerve fibers (cats)

** ROINS-11756-01 Conductance of nicotinic acetylcholine receptors (torpedos)

NEUROPHYSIOLOGY, NEURAL RECRUITMENT

SEE ALSO EAR, HEARING, AUDITORY RECRUITMENT

POIHD-06364-03 0003 Maternal protein restriction and mental retardation - Electrophysiological indices of brain malformation (rats)

POINS-04053-12 0019 Epilepsy - Theory of epileptic focus

ROINS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)

ROINS-10576-01 Deficits and recovery from neocortical disconnection (monkeys, human)

ROINS-10843-01 Detection and recognition in audition and vision

NEUROPHYSIOLOGY, NEURAL TRANSMISSION

SEE ALSO EAR, HEARING, AUDITORY FEEDBACK

SEE ALSO ELECTROPOTENTIALS, ACTION POTENTIALS

SEE ALSO ELECTROPOTENTIALS, AFTER POTENTIALS

SEE ALSO ELECTROPOTENTIALS, EVOKED POTENTIALS

SEE ALSO ELECTROPOTENTIALS, SPIKE POTENTIAL

SEE ALSO EYE, VISUAL FEEDBACK

SEE ALSO EYE EXAMINATIONS, RETINOGRAPHY, ELECTRORETINOGRAPHY*

SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR TRANSMISSION

ROIAA-00188-03 Ethanol-induced changes in brain mitochondria (rats)

** ROIAA-00498-03 0010 Clinical studies of alcohol use and abuse - Brain responses and memory in alcoholics

ROIJA-03515-15 Comparative biochemistry of parasitic helminths (mice)

ROIAM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)

ROIAM-15347-04 False neurotransmitters and hepatic failure (humans, rabbits, rats)

ROIAM-16739-02 Pathogenesis of hepatic coma

ROIAM-17240-01 Physiological mechanisms of satiety (rats, monkeys)

ROIAM-17347-02 Insulin sensitive glucoregulator in the CNS (rats, dogs, mice)

POICA-07368-11 0009 Interrelationships of normal and cancer cells - Effect of exogenous catecholamines in amygdala (cats, monkeys)

** ROIDA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)

** POIDA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)

ROIDA-00803-01 Mechanism narcotic addiction

P13DE-02668-08 0023 Dental research center - Biomaterials (human)

POIES-00354-07 0003 Human responses to thermal environment - Physiological and behavioral temperature regulation (monkeys)

ROIES-00412-06 0014 Mechanisms of insecticide resistance - Toxicity of herbicides (fish)

ROIES-00412-06 0018 Mechanisms of insecticide resistance - Cyclic nucleotides in toxic action of and in resistance to insecticides (fish)

POIES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
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- ROIES-00620-03 Pesticide induced changes in central nervous function (cats)
- ROIEY-00008-13 Analysis of flicker retinal action potentials (spiders, crabs)
- ROIEY-00017-08 Electric sign of single photoreceptors (fish, lizards, turtles)
- ROIEY-00188-19 Electrical activity, single receptors, neurons of eye (cats, limulus)
- ROIEY-00206-13 Retinal ganglion cell responses to time varying stimuli (cats)
- ROIEY-00285-10 Visual adaptation in the vertebrate retina (fish)
- ROIEY-00479-07 Photochemical aspects of visual processes (rats, frogs)
- ROIEY-00561-05 Intracellular studies of retina function (Necturus)
- ** ROIEY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
- ROIEY-00683-04 Cytology, cytochemistry and synapses of dog retina
- ** ROIEY-00684-04 Transmission of signals through human retina
- ** ROIEY-00729-04 Molecular basis of membrane excitation (model system, cattle)
- ROIEY-00898-03 Function of neuron networks in vertebrate visual system (catfish)
- ** ROIEY-01075-01 Neurotransmission in the mammalian retina (rabbits)
- ROIEY-01188-02 Neural mechanisms in processing visual information (barnacles)
- ** ROIEY-01344-01 Freeze-fracture studies of the retina (monkeys, rabbits, turtles)
- ** ROIEY-01362-01 Mechanisms of vision (fishes, limulus)
- ROIEY-01373-01 Retinal dopamine and ERG flicker suppression (cats)
- POIGM-15571-06 0046 Anesthesia research-Program project - Neural regulation (cats, rabbits)
- POIGM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
- POIGM-15991-06 0108 Anesthesia research center - Trigeminal nerve hyperactivity in relation to pain-like states (cats)
- ROIGM-16424-06 Enzyme systems using nuclear magnetic resonance
- ** POIGM-16437-06 0003 Biomedical engineering program project - Neural systems (frogs, mollusks)
- ** ROIGM-17866-21 Genetic control of macromolecular synthesis (leeches)
- ROIHD-08348-13 Behavioral effects of selected denervation (cats)
- ** POIHD-02274-06 0034 Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)
- POIHD-02528-08 0061 Research center in mental retardation - Physiology and pharmacology of RAPHE system (mammals)
- ** POIHD-02528-08 0085 Research center in mental retardation - Chemical communication in nervous tissue
- ** POIHD-02528-08 0086 Research center in mental retardation - Neurotransmitters in the central nervous system (cats)
- ** POIHD-04147-06 0016 Research in mental retardation - Effect of colchicine on axonal transport in brain (mice)
- ROIHD-04248-06 Function of electrical coupling in embryonic tissues (marine fish, crayfish)
- ROIHD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
- ** ROIHD-05751-04 Brain mechanisms of reproductive behavior (rats, other vertebrates)
- ** POIHD-05958-03 0007 Neurophysiology and neuropsychology in mental retardation - Electrophysiology and response plasticity of neurons (human, cats)
- ** POIHD-06276-03 0043 Mental retardation research program - Corticofugal influence on ventral posterior nucleus activity (cats)
- POIHD-06276-03 0076 Mental retardation research program - Release of norepinephrine from cat brain in vivo, with infusion of potassium
- ROIHD-07830-03 Prolactin secretions and its reproductive function (sheep)
- ROIHD-08313-02 Regulation of anterior pituitary function in rat and man
- ROIHL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- ROIHL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- ** ROIHL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- ROIHL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
- ROIHL-13187-05 0003 Central neural control of cardiovascular function - Modulation of baroreceptor reflexes (cats)
- ROIHL-13306-04 Electrophysiology of heart muscle (cattle)
- ROIHL-14563-03 Efferent nerve impulse traffic in hemorrhagic shock (dogs)
- ** ROIHL-14780-02 0015 Mechanisms and treatment of cardiovascular diseases - Mechanisms of tachycardias-Reentry versus repetitive discharge (human, dogs)
- ROIHL-14899-02 Mechanisms and prevention of cardiac arrhythmias (dogs)
- ROIHL-15011-02 Altered adrenergic function in essential hypertension (human, rats)
- ROIHL-15426-01 Cardiac monoamine oxidase (rats, human, guinea pigs)
- ROIHM-03225-15 Neurochemical correlates of behavior (rats, pigeons)
- ROIHM-06686-12 Correlation of EEG and behavior (cats, rabbits)
- POIMH-06618-10 0039 Biological studies of psychotic disorders - Gaseicol-O-methyltransferase (GOMT) (rats, mice)
- ** POIMH-08618-10 0040 Biological studies of psychotic disorders - Possible role of DIMPEA and NADIMPEA in brain function (rats)
- POIMH-08667-10 0014 A longitudinal epidemiology of impaired competence - Physiological monitoring studies-Retardates
- ** ROIMH-08833-11 Neuropharmacologic studies of local brain function (cats)
- ROIMH-10734-09 Behavioral patterns in elementary nervous system
- POIMH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)
- ** ROIMH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- ROIMH-13186-08 LSD, psychogenic procedures and brain neurohumors (rats, mice, cats)
- M ROIMH-14110-07 Neural modulation and transmission
- ROIMH-14360-07 Psychoendocrine correlates in schizophrenia (rats)
- POIMH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
- POIMH-16674-06 0035 A program of psychiatry-oriented biological research - Inhibition of non-adrenergic neurotransmission on memory consolidation in mice
- POIMH-16674-06 0036 A program of psychiatry-oriented biological research - Effect of sydnihryl protecting agents on memory consolidation in mice
- ROIMH-16841-06 0012 Effect of central nervous system lesions on drug action - Specific decreases in glutamate and aspartate
- ROIMH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
- ** ROIMH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
- ROIMH-22438-02 The GABA system in schizophrenia (Drosophila, mice, human)
- ROIMH-23548-01 Immune concept of schizophrenia
- ** ROIMH-24260-01 Developmental psychopharmacology-Inhibitory processes
- ROIMH-24604-01 Toxicity of psychotropic drugs on aminergic neurons
- RO3MH-25059-01 Developmental neurochemical effects of amphetamine (rats)
- RO3MH-25078-01 Regulation of acetylcholine synthesis (rats)
- ** POIMH-25515-01 0003 Collaborative biological research on schizophrenia - Release of dopamine and other putative neurotransmitters (rats)
- ** POIMH-25515-01 0011 Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
- ** RO3MH-25880-01 Relation of basal ganglia to muscle bone (crocodilians)
- ** ROINS-00282-22 Neurohumoral transmitters and related drugs (animals)
- ROINS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- ROINS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
- ROINS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- ROINS-01687-16 Neuropharmacology of the postsynaptic membrane (apiasia)
- M POINS-02253-15 Neurophysiological and neurochemical studies
- ** POINS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, necturus)
- ** POINS-02253-15 0002 Neurophysiological and neurochemical studies - Studies of fibroblasts and neurons in tissue culture
- ** POINS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
- ROINS-02567-15 Problems of nerve cell physiology (human, cats, monkeys)
- ROINS-02957-14 Suprasegmental influences on spinal motoneurons (baboons)
- ** ROINS-03304-13 0001 Proteins in excitable membranes - Acetylcholinesterase (electric eel, mammals)
- ** ROINS-03304-13 0003 Proteins in excitable membranes - Protein components in excitable membrane fragments (electric eel, rats)
- ** ROINS-03304-13 0004 Proteins in excitable membranes - Monocellular electroplex and membrane excitability studies
- ** ROINS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
- POINS-03798-12 0002 The nature of hearing - Echo-location and behavior in bats
- ** ROINS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
- ROINS-05430-09 Changes in brain microosomal structure and composition (rats, rabbits, fish)
- ** ROINS-05611-10 Spinal synaptic transmission and biogenic amines (cats)
- POINS-06208-09 0004 Epilepsy research program - Action of diphenhydantoin (lobsters, rats, cattle, rabbits)
- ** POINS-06208-09 0014 Epilepsy research program - Cerebral sensory evoked potentials related to epilepsy (cats, monkeys)
- POINS-00208-09 0016 Epilepsy research program - Localization of gangliosides and neurotoxin binding (mammals)
- M POINS-06208-09 0025 Epilepsy research program - Brain monoamine turnover (children)
- POINS-06225-09 0006 Cerebral localization - Simulation of neurons and sensory end organs
- ROINS-06232-09 Formation and function of synapses (animals)
- ROINS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
- ROINS-06673-09 Neuromechanics (frogs, toads)
- ROINS-06730-08 Stimulus-related DC potentials of the cochlea (guinea pigs)
- ** ROINS-06820-07 Pharmacology of synaptic transmission in brain (cats)
- ROINS-00911-07 Brain catecholamines in defense reaction (rats, cats)
- ROINS-06990-08 Influence of proganglionic nerve on ganglion responses (frogs, rabbits)
- ROINS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
- ** ROINS-07154-07 Calcium actions on central nervous system neurons (animals)
- ** ROINS-07275-07 Metabolism of biogenic amines (rats)
- ** ROINS-07442-06 Physiology of synapses in normal and mutants
- ROINS-07472-05 Fine structure of taste buds and related receptors (rabbits, insects)
- ** POINS-07512-06 0016 Neuronal development, interaction and organization - Neural control of synchronized effector systems (fish)
- ** POINS-07512-06 0018 Neuronal development, interaction and organization - Chemical transmission at a vertebrate central synapse (fish)
- ** POINS-07512-06 0028 Neuronal development, interaction and organization - Interactions between neural and endocrine integrative centers (insects)
- ** POINS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
- ** ROINS-07540-07 Sympathetic ganglia following conditioning (frogs)
- ** ROINS-07595-06 Structure and function in peripheral nerve (lobsters, garfish)
- ROINS-07609-07 Integrative mechanisms of cortical neurons (rabbits, frogs)
- ** ROINS-07758-06 NMR studies of cell excitation (frogs, rats)
- ** POINS-07938-06 0003 Peripheral and central nervous system - Quantum hypothesis and spinal motoneurons
- ** POINS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
- ** ROINS-08137-06 Membrane activity theory
- ** ROINS-08193-06 Experimental studies on cochlear mechanisms (guinea pigs, frogs)
- ROINS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
- ** ROINS-08437-06 Optical studies of neuron activity and organization (leech)
- ROINS-08440-06 Metabolic basis of neural function (animals)
- ROINS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
- ** ROINS-08527-05 Chemical reactions in transmission of nerve impulses
- ** ROINS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
- ROINS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- ROINS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
- ROINS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
- ROINS-08769-06 Receptors and somatic sensory pathways (cats)
- ** ROINS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
- ** ROINS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
- ROINS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
- ROINS-09088-04 Stereochemistry of the cholinergic mechanism (guinea pigs, dogs, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

ROINS-09137-05 Stimulus-secretion coupling and chromaffin cells (rodents, cats)
 ROINS-09196-04 Discharge patterns of motoneurons (cats, frogs)
 ROINS-09228-02 Isolation of proteins from synaptic membranes (rabbits, cats)
 POINS-09287-04 0009 Baylor center for cerebrovascular research - Neurotransmitters in pathogenesis of cerebral ischemia (human, monkeys, gerbils)
 ROINS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
 ROINS-09471-02 Folic acid deficiency and brain development (mice, rats)
 ** ROINS-09608-05 Biochemical aspects of nerve function (rats)
 ** POINS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
 ** ROINS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
 ROINS-09744-05 Stochastic models of neural systems
 ROINS-09784-03 Effect of epileptogenic drugs on membrane properties (squid)
 ROINS-09809-04 Temperature and pain in CNS (cats, monkeys)
 ** ROINS-09885-02 Transmitted release and metabolism by 3H-DNFB assay (frogs)
 ROINS-09916-03 Neurobiology of cerebellar phylogeny and ontogeny (animals)
 ROINS-09971-02 Use and disuse of spinal pathways (cats, rats)
 ** ROINS-10072-02 Interactive computer graphics
 ROINS-10108-03 Brain phosphoinositides-Relevance to prostaglandins (human)
 ROINS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
 ROINS-10216-03 Processing of acetylcholine by synaptic vesicles (guinea pigs)
 ** ROINS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
 ** ROINS-10294-03 Neurochemistry and kinetics of synaptic transmission
 ** ROINS-10312-01 Cochlear pharmacology-Neurotransmission
 ROINS-10319-03 Monosynaptic transmission in spiral neurons (cats)
 ** ROINS-10320-02 Transmitter release by nerve terminals (frogs, crayfish)
 ** ROINS-10336-03 Components controlling behavior (coelenterates, insects)
 ** ROINS-10338-03 Ganglionic synaptic transmission (birds)
 ROINS-10349-03 Neurotrophic influence on muscle (rabbits)
 ROINS-10404-01 Auditory receptor mechanisms (moths)
 ROINS-10427-02 Structure and biochemistry of cerebellum (mice)
 ROINS-10464-03 Role of central feedback mechanisms in skilled acts (monkeys)
 ** ROINS-10488-02 Cerebellar neuronal activity and motor behavior (cats)
 ** ROINS-10489-03 Nerve excitation-Molecular mechanisms (squid)
 ** ROINS-10513-01 Modulated phase fluorometry for nerve ionic effects (squid)
 ROINS-10576-01 Deficits and recovery from neocortical disconnection (monkeys, human)
 ROINS-10602-01 Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys)
 ** ROINS-10638-02 Molecular control of excitability of muscle membrane (mice)
 ROINS-10655-02 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)
 ** ROINS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
 ROINS-10777-02 Development of brain monoamines and seizures (mice, rats)
 ** ROINS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)
 ROINS-10814-01 Bulbar trigeminal pain mechanisms (monkey)
 ** ROINS-10832-01 Tropic interactions at synapses (chickens)
 POINS-10920-02 0016 Development and regeneration in the nervous system - Studies of axoplasmic transport (rats, frogs)
 ROINS-10922-01 Central mechanisms of visceral and somatic pain (cats)
 ROINS-10968-01 The role of cyclic GMP in nervous tissue (animals)
 ** ROINS-11000-01 Signal transmission in the auditory system (cats, lizards)
 ROINS-11014-01 Dopamine-beta-hydroxylase-Neural release and metabolism (guinea pigs)
 POINS-11066-01 0001 Fundamental studies in spinal cord injury - Electrophysiological studies in spinal cord injury (cats)
 ** POINS-11132-01 0006 Neural basis of effects produced by spinal cord damage - Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles)
 ** ROINS-11170-02 Mechanism of action of peptide neurotransmitter model (Hydra)

** ROINS-11171-02 Mechanism of action of peptide neurotransmitter model (Hydra)
 ROINS-11175-02 ACH and CNS thermoregulation processes (monkeys)
 ROINS-11252-01 Function of a brain calcium-binding protein (rats, mice)
 ** POINS-11255-01 Comparative neurobiology (aphysia, fish, sea lions)
 ** POINS-11255-01 0003 Comparative neurobiology (aphysia, fish, sea lions) - Chemoreception and behavior of marine invertebrates
 ** ROINS-11264-01 Amino acids as neurotransmitters (cats)
 ** ROINS-11268-01 Mechanism of spinal shock (cats)
 ** ROINS-11295-01 Mechanisms of interneuronal communications in culture (rats)
 ROINS-11310-01 Neurotransmitter biosynthesis (cattle)
 ** ROINS-11313-01 Neuronal interaction and electrogenesis (fish)
 ** ROINS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
 ROINS-11340-01 Control of cyclic nucleotide phosphodiesterase (pigs)
 ** ROINS-11353-01 Energy requirements for neuronal activity (cockroaches)
 ROINS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
 ROINS-11406-01 Enzymatic synthesis and function of isothionin acid (rats)
 ** ROINS-11431-01 Fine structure of synapses and their modification (animals)
 ROINS-11458-01 Neurophysiologic studies of respiratory control (mammals)
 ** ROINS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
 ROINS-11518-01 Motor unit organization during locomotion (cats)
 ROINS-11529-01 Spinoreticular mechanism in pain sensation (cats, macaque)
 ROINS-11550-01 Behavioral pharmacology and transmitter metabolism (primates, birds, rodents)
 ** ROINS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
 ** POINS-11631-01 0055 Clinical center for research on Parkinson's and allied diseases - Motor cortical regulation of transmission in the thalamic relays (cats, primates)
 ** POINS-11647-01 0007 Peripheral and central auditory mechanisms - Search for the afferent transmitter substance (guinea pig, cat, rat)
 ROINS-11652-01 Calcium-binding protein in nervous tissue (pigs, rats)
 ROINS-11695-01 Factors in reflex motor control (cats)
 ROINS-11751-01 Synaptic integration in a bimodal sensory interneuron
 ROINS-11921-01 Somatosensory systems-Central pain (macaques)
 ROINS-11936-01 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)
 ROINS-12038-01 Excitation contraction coupling in skeletal muscle (mytilus)
 ** ROINS-12079-01 Mechanisms of neurotransmitter release (rats)
 P07RR-00015-12 0084 Medical school computer facility - Simulation of brain metabolism
 P07RR-00015-12 0098 Medical school computer facility - Discharge patterns in cortical neurons

NEUROPHYSIOLOGY, NEURAL TRANSMISSION, ANTIDROMIC IMPULSES
 ROIEY-00745-03 Neurophysiological studies of the oculomotor system (monkeys)
 POIEY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
 POIHL-06285-14 0182 Cardiovascular-respiratory physiology and biochemistry - Structure and function of vascular chemoreceptors (cats, rats)
 ROINS-05638-10 Central neural regulation of body fluids (animals)
 ROINS-05666-10 Schemoreceptor activity of carotid body (frogs, crayfishes)
 ** ROINS-06477-09 Cellular mechanisms in focal epileptogenesis (cats)
 ROINS-06537-08 Neurophysiological study of neuroendocrine activity (rats, frogs)
 POINS-06779-06 0004 Cerebrovascular clinical research center - Motor system in cerebrovascular disease
 POINS-06828-08 0033 Neurophysiology-Sensory systems and cerebral cortex - Supraspinal control of autogenetic reflexes (cats)
 ROINS-06948-09 Pallidal inhibition of brainstem activity (cats)
 ROINS-07154-07 Calcium actions on central nervous system neurons (animals)
 POINS-07512-06 0016 Neuronal development, interaction and organization - Neural control of synchronized effector systems (fish)
 ROINS-07687-07 Hunger, thirst and water metabolism (rabbits)
 ROINS-07710-06 Sensory and motor aspects of respiration (cats)
 POINS-07938-06 0002 Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)

POINS-07938-06 0007 Peripheral and central nervous system - Somatic sensory pathway (mammals)
 ROINS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
 ROINS-09367-04 Organization of primitive spinal cord (lamprey)
 ** ROINS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
 ROINS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
 ROINS-10434-03 Neurohumoral events in cells ending in median eminence (rats)
 ROINS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
 ** ROINS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 ROINS-11177-01 Neural role in muscular dystrophy (chicken)
 ROINS-12030-01 Central interactions with somatosensory neurons (cats)

NEUROPHYSIOLOGY, NEURAL TRANSMISSION, INHIBITORY IMPULSES
 ROIMH-10342-05 Aversive properties of discriminative stimuli (pigeons)
 ** R03MH-24578-01 Delayed response and low frequency inhibition (cats)
 POINS-02808-13 0017 Special clinical research project in neurophysiology - Experimental seizure studies (cats, monkeys)
 ** POINS-07512-06 0030 Neuronal development, interaction and organization - Inhibitory activities of thalamic neurons (cats)

NEUROPHYSIOLOGY, REFLEX
 SEE ALSO EAR, HEARING, AUDITORY REFLEX
 SEE ALSO EAR, HEARING, MORO REFLEX
 SEE ALSO EAR, LABYRINTH, VESTIBULAR REFLEX
 SEE ALSO EYE, VISION, PUPILLARY REFLEX
 SEE ALSO HEART FUNCTION, HEART RATE, RHR REFLEX
 SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
 SEE ALSO NERVOUS DISORDERS, REFLEX, ABNORMAL
 SEE ALSO NERVOUS SYSTEM AUTONOMIC, AUTONOMIC REFLEXES
 SEE ALSO RESPIRATORY SYSTEM REFLEXES
 SEE ALSO WATER ENVIRONMENT, DIVING REFLEX
 POIAA-00212-06 0004 Oklahoma center for alcohol related studies - Effects of ethanol on behavior and the CNS (rats, cats)
 ROIES-00910-01 Pesticide behavioral teratology (mice)
 ROIEY-00598-06 Oculomotor control system (primates, cats)
 ** POIEY-01319-01 0012 Visual science research center support - Behavioral studies of visual processes (primates)
 POIGM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
 POIGM-15991-06 0108 Anesthesia research center - Trigeminal nerve hyperactivity in relation to pain-like states (cats)
 ** POIHL-07299-13 0072 Hypertension, shock and circulatory failure - Neurogenic factors in blood pressure regulation (human)
 ** POIHL-08805-10 0020 Cardiovascular and pulmonary performance - Ventilatory response to hypoxia with reflex control of circulation (human)
 ** ROIHL-11978-06 Reflexes in regulation of respiration (cats)
 POIHL-13108-05 0031 Clinical heart transplantation - Circulatory response to hypoxia in the denervated transplanted heart (human)
 ROIHL-13187-05 0003 Central neural control of cardiovascular function - Modulation of baroreceptor reflexes (cats)
 POIHL-14388-03 0002 Regulation of the circulation in pathological states - Vasodilator activity in renal hypertension and experimental hypertension (dogs)
 POIHL-14388-03 0012 Regulation of the circulation in pathological states - Role of active reflex vasodilation in hypertension in man
 ** ROIHL-15311-02 Development of Hering-Breuer reflexes (opossum)
 ROIHL-15422-02 Hormonal control of mesenteric blood flow (cats)
 ** ROIHL-16834-01 Neural modulation of carotid sinus reflex performance (dogs)
 R03MH-25886-01 Neural hierarchies and the control of movement (crabs)
 ** ROINS-00847-19 Mechanism of function of higher integrative center (cats, dogs)
 POINS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)
 ** POINS-03360-14 0012 Neurological clinical research center-Epilepsy - Reflex epilepsy (human)
 ** POINS-03364-12 0024 Neurological research center in cerebrovascular disease - Reflex cutaneous plethysmography (human)
 ROINS-04456-12 Chemosensors of the nervous system (cats)
 ** ROINS-04989-11 Integration of sensory input (clams, crayfish)
 ROINS-05721-10 Neurogenesis and development of behavior (chick embryos)

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**** ROINS-06728-06** Physiological relations between cerebellar elements (animals)
ROINS-07072-08 Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils)
ROINS-07767-06 Pacinian receptors and vasomotor regulation (cats, dogs)
ROINS-08335-07 Experimental studies on vestibular mechanism (cats, rabbits)
**** ROINS-08604-06** Oral pharyngeal reflexes (cats, human)
ROINS-08869-04 Physiology of the central nervous system (Limulus)
ROINS-09168-05 Electrophysiological studies of the gustatory system (animals)
**** ROINS-09361-04** Plasticity of the simplest neuronal pathways (animals)
ROINS-09613-03 Study of vestibular pathways in the cerebellum (cats, humans)
ROINS-09949-03 Effects of vestibular dysfunction in man
ROINS-09991-03 Hypoxia and increased intracranial pressure
ROINS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
ROINS-10154-03 Swallowing in the developing and mature nervous system (cats, primates)
ROINS-10578-01 Regulation of enzyme development in neurons (rats)
ROINS-10857-01 Organization of the motoneuron-pool and its inputs (cats)
ROINS-10906-01 Connections of identifiable neurons during maturation (lamprey)
POINS-11255-01 0007 Comparative neurobiology (aphasia, fish, sea lions) - Comparative nervous system control mechanisms in fish
POINS-11255-01 0008 Comparative neurobiology (aphasia, fish, sea lions) - Neural adaptations for diving in mammals
ROINS-11544-01 Integration and regeneration in the nervous system (leeches)
ROINS-11695-01 Factors in reflex motor control (cats)
ROINS-11798-01 Cerebellar correlates of motor performance (cats)
ROINS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
MOIRR-00128-10 0074 General clinical research center for children - Motor development in infants with congenital brain anomalies

NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES

**** POICA-07368-11 0024** Interrelationships of normal and cancer cells - Convergence of somatic inputs on posterior thalamus (monkeys)
POIHD-03352-07 0005 Wisconsin center on mental retardation - Behavioral effects of brain lesions (monkeys, cats)
POIHD-05027-05 0013 Developmental psychology - Development of attention
**** POIHL-06285-14 0180** Cardiovascular-respiratory physiology and biochemistry - Vagal C-fibers and their influence on visceral and somatic function (animals)
ROIHM-07995-11 0002 Heart rate conditioning - Evaluating attentional processes in hyperactive children
ROIHM-07995-11 0004 Heart rate conditioning - Experimental hypertension using shock avoidance procedures (dogs)
**** ROIHM-07995-11 0005** Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
**** ROINS-09957-03** Postural regulation of loaded crayfish abdomen
ROINS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
**** ROINS-10783-03** Segmental reflexes mediated by joint afferent neurons (cats)

NEUROPHYSIOLOGY, REFLEX, SPINAL REFLEXES

**** PIOES-00159-09 0018** Center for study of the human environment - Effects of lead and mercury on spinal reflex transmission (cats)
M POIHL-08682-11 Regulation of the cardiovascular system
**** POIHL-08682-11 0008** Regulation of the cardiovascular system - Spinal regulation of vasomotor and sudomotor outflows (human, dogs, cats)
ROIHM-19515-04 Substrates of elementary behavioral plasticity (rats)
ROINS-02957-14 Suprasagittal influences on spinal motoneurons (baboons)
**** ROINS-04513-11 0002** Coordinated basic and clinical brain research program - Neurophysiological studies of striated muscle innervation, (cats)
**** ROINS-06828-08 0033** Neurophysiology-Sensory systems and cerebral cortex - Supraspinal control of autogenetic reflexes (cats)
ROINS-07154-07 Calcium actions on central nervous system neurons (animals)
ROINS-07710-06 Sensory and motor aspects of respiration (cats)
ROINS-07755-06 Plasticity of the transected human spinal cord
**** ROINS-07907-07** Vertebrate muscle receptors (mammals, reptiles)

ROINS-07923-07 Nervous control of urinary bladder and large bowel (cats)
**** POINS-07938-06 0002** Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)
**** ROINS-08411-06** Mechanisms of plasticity in neuronal connections (cats, frogs)
ROINS-09196-04 Discharge patterns of motoneurons (cats, frogs)
ROINS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)
**** ROINS-09578-05** Spinal cord development (mice)
**** ROINS-00738-04** Excitatory effects of barbiturates (cats, frogs, rabbits)
**** ROINS-09743-05** Synaptic connections of spinal cord neurons (animals)
**** ROINS-09971-02** Use and disuse of spinal pathways (cats, rats)
ROINS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
ROINS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
**** ROINS-10321-03** Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
**** ROINS-10647-01** Studies of spinal response plasticity (cat)
POINS-11132-01 0001 Neural basis of effects produced by spinal cord damage - Spinal shock (cats)
**** POINS-11132-01 0002** Neural basis of effects produced by spinal cord damage - Posttranssectional hyperreflexia (frogs)
**** ROINS-11174-01** Sensitivity and functional organization of spinal cord (cats, monkeys)

NEUROPHYSIOLOGY, REFLEX, STARTLE REACTION

POIHD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
**** ROIHD-07035-02** Development of inhibition and facilitation of startle (human)
ROIHM-19515-04 Substrates of elementary behavioral plasticity (rats)
ROIHM-19715-04 Behavioral control by an imprinted stimulus (ducks)
**** ROIHM-24044-01** Psychophysics of the startle reflex (guinea pigs)

NEUROPIIL

SEE NERVOUS SYSTEM, NEURONS, NEUROPIIL

NEUROPSYCHOLOGICAL TESTS*

ROIAA-00187-03 Memory impairment of alcoholic Korsakoff patients
**** ROICA-15459-02** Psychological effects of cranial irradiation (human)
**** POIGM-10402-12 0023** Zoophysiology in Alaska - Function of nerves in cyclic population 'crash' of snowshoe hares
POIGM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
POIGM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue
POIGM-16058-09 0006 Biosensor and subject monitoring system development - Sequence analysis technique (human, monkeys, rats)
POIGM-16058-09 0012 Biosensor and subject monitoring system development - Automated system for primate instruction (ASPRIN)
ROIHD-00434-13 A longitudinal study of skeletal growth of prematures (human)
POIHD-03352-07 0017 Wisconsin center on mental retardation - Infant development (human)
POIHD-04335-06 Brain-behavior relationships in mental retardation
**** POIHD-05124-04 0003** Mental retardation-Behavioral and neurologic aspects - Behavioral techniques for studying neurological disease (mammals)
POIHD-05124-04 0006 Mental retardation-Behavioral and neurologic aspects - Classification of behavioral deficits
POIHD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
POIHD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesia
POIHD-06276-03 0019 Mental retardation research program - Temporal organization of voluntary behavior (children)
**** ROIHD-06278-04** Neuropsychological assessments of child development
ROIHD-08966-01 0006 Early diagnostic studies of aberrant development - Behavior studies-Neonatal evaluation and follow-up (human)
POIHL-10436-09 0007 Congenital heart disease - Developmental lag, perceptual-motor deficits and hypoxia
ROIHM-03372-15 0027 Neural mechanisms in behavior - Performance on Raven's colored progressive matrices after commissurotomy (human)
ROIHM-14432-07 Early screening and long-term drug therapy of children
ROINS-00616-20 Performance tests in cerebral disease (human)

ROINS-03166-14 EEG studies in newborn and young infants (human)
**** POINS-03360-14 0058** Neurological clinical research center-Epilepsy - Neuropsychology-Effects of temporal lobectomy (human)
**** POINS-03360-14 0059** Neurological clinical research center-Epilepsy - Neuropsychology-Effects of anti epileptic drugs (human)
**** POINS-03360-14 0060** Neurological clinical research center-Epilepsy - Neuropsychology-Computer system
**** POINS-03364-12 0013** Neurological research center in cerebrovascular disease - Prevention and treatment of stroke (human)
POINS-06200-09 0001 Boston University aphasia research center - Psychological research (human, monkeys)
POINS-06209-09 0003 Boston University aphasia research center - Clinical case studies, neurology and anatomy (human, monkeys)
ROINS-07261-08 Spinal somesthetic pathways (monkeys)
**** ROINS-07615-14** New measures of aphasic symptom variables (human)
ROINS-10236-03 0001 Functional skill remediation in brain damage - An assessment therapy model for eye hand shifts (human)
ROINS-10238-03 Otoneurological evaluation of infants and children
**** POINS-11631-01 0037** Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)
NOINS-80004-12 Research in pregnancy factors and resultant child outcome
NOINS-80006-10 Research in pregnancy factors and resultant child outcome
NOINS-80007-10 Perinatal research project
**** NOINS-80009-12** Perinatal research project
NOINS-80010-08 Perinatal research project
**** NOINS-80011-11** Perinatal research project
NOINS-80012-13 Perinatal research project
**** NOINS-80013-08** Perinatal research project
**** NOINS-80014-08** Perinatal research project
**** NOINS-80017-12** Pregnancy factors and resultant child outcome
MOIRR-00125-11 0188 General clinical research center-adult-child - Neurologic-psychologic evaluation in cystinuria

NEUROPSYCHOLOGY (GENERAL)*

ROIAA-00325-01 Ethanol effects and thiamine deficiency
ROIAA-00391-01 Effects of alcohol on neurogenic behavior (monkeys)
NOIAM-22211-03 Neurobehavioral and clinical responses to hemodialysis
**** ROIEY-00126-05** Neuropsychological studies of the visual system (hamsters)
ROIEY-00154-04 Organization of the vertebrate visual system
ROIEY-00676-04 Interaction between eye movement and vision (monkeys)
**** ROIEY-00907-01** Correlates of binocular visual stimulation (cats)
ROIEY-00927-03 Properties of the cortico-geniculata projection (monkeys)
ROIEY-01085-02 Neural mechanisms of developing vision (cats, shrew)
ROIEY-01149-02 Physiology and psychology of vision (anurans)
**** ROIEY-01241-01** Neuropsychology (cats)
**** POIHD-01799-09 0007** Mental retardation research center - Developmental neuropsychology (human)
**** ROIHD-01823-11** Effect of amine acids on metabolism, EEG, and behavior (human, rats)
POIHD-03352-07 0005 Wisconsin center on mental retardation - Behavioral effects of brain lesions (monkeys, cats)
**** POIHD-04612-06 0006** Mental retardation research center - Neural correlates of sensation and learning in brain (monkeys, cats)
M POIHD-05958-03 Neurophysiology and neuropsychology in mental retardation
**** POIHD-05958-03 0006** Neurophysiology and neuropsychology in mental retardation - Human and animal vigilance
ROIHD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
ROIHD-07340-01 Membranogenesis in cretinism and hyperthyroidism
**** ROIHD-08135-01** Hippocampus-A neuropsychological developmental study (monkeys)
ROIHD-08194-01 Prenatal protein malnutrition and brain sterols
M POIHM-12970-08 What makes man human-Trans-or subcortical association
POIHM-25642-01 Neurobiological basis of major psychiatric disorders
M POIHM-03354-13 Neurosensory center
ROINS-05638-10 Central neural regulation of body fluids (animals)
ROINS-08612-03 Effects of deafness on central auditory function (cats)
**** ROINS-09122-04** Neural mechanisms for pituitary-adrenal periodicity (rats, cats)

(cont'd)

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- M POINS-09287-04 Baylor center for cerebrovascular research
 ROINS-09654-04 Genetic variants of synaptic proteins (nematodes)
 ROINS-09661-05 Organization of the nervous system (lamprey)
 POINS-09704-04 0039 Developmental neurology - Eye movement related visual suppression (primates)
 ROINS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)
 ROINS-09914-03 Phylogeny and ontogeny of hormone neurons in brain (animals)
 ROINS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
 ROINS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
 ROINS-10140-03 Olfactory discrimination (rats)
 ** ROINS-10270-01 Molecular pharmacological correlates of behavior (fish)
 ROINS-10469-02 Regulation of synchronous neuronal discharge (cats)
 ROINS-10579-02 Development of synaptic knobs and behavior (rats)
 ROINS-10759-02 Determinants of somatic sensory neuronal responses (monkeys)
 ROINS-10906-01 Connections of identifiable neurons during maturation (lamprey)
 ROINS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
 M POINS-11131-01 Extrapyramidal and related behavioral disorders
 ROINS-11468-01 Development of rhythmic processes in neonatal thalamus (cats)
 ROINS-11491-01 Interlimb aspects of neural control of locomotion (cat)
 ** ROINS-11554-01 Behavioral analysis of central hearing mechanisms (primates, hedgehog)
 ROINS-11565-01 Disuse supersensitivity of the auditory system (human, mice)
 ROINS-11668-01 The biological basis for olfactory behavior (pigeons)
 ROINS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
 ROINS-22326-02 Human responses to head injury
- NEUROPSYCHOLOGY RESEARCH REVIEW COMMITTEE**
 ** ROIMH-00576-22 Biological timing devices in animals and man
 ** ROIMH-00623-21 Psychophysiology of the autonomic nervous system (human, cats, monkeys)
 ** ROIMH-01475-16 Brain mechanisms in learning and response modulation (rats)
 ** ROIMH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
 ** ROIMH-02035-17 Learning and perception (rats)
 ** ROIMH-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
 ** ROIMH-02271-17 Psychological studies of behavior (ring doves)
 M ROIMH-03372-15 Neural mechanisms in behavior
 ROIMH-03831-15 Auditory electrophysiology and behavior (cats, human)
 ** ROIMH-04726-14 Functions of association cortex in learning (cats, monkeys)
 ** ROIMH-04849-13 Behavioral analysis of sensory neocortex (insectivores, squirrels, cats, lemurs)
 M ROIMH-05286-12 Psychophysiology of perception
 ** ROIMH-06211-12 Postoperative recovery mechanisms and retention (rats)
 ROIMH-06686-12 Correlation of EEG and behavior (cats, rabbits)
 ** ROIMH-06723-12 Electrophysiologic studies of psychomotor processes (human, monkeys)
 ** ROIMH-07051-11 Anatomic and behavioral studies of brain mechanisms
 ** ROIMH-07097-11 Behavioral and electrical studies of basal ganglia (cats)
 ** ROIMH-08366-11 Neural control of avian feeding behavior (pigeons)
 ** ROIMH-08493-11 Neural reinforcement of motivated behavior (rats)
 ROIMH-08909-11 Physiological regulation of body weight (rats)
 ** ROIMH-08936-11 Neural basis of aggression (cats, monkeys)
 ** ROIMH-10083-10 Forebrain mechanisms for internal inhibition and sleep (cats, rats)
 ROIMH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
 ** ROIMH-10179-09 Regulation of food intake (monkeys)
 ** ROIMH-10734-09 Behavioral patterns in elementary nervous system
 ROIMH-10972-09 Analysis of behavioral functions of cerebral areas (monkeys)
 ROIMH-12506-09 Chemical correlates of memory (goldfish, rats, monkeys)
 M POIMH-12970-08 What makes man human-Trans-or subcortical association
- ROIMH-13189-08 Mechanisms of motivation, learning and development (human, rats)
 ROIMH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
 ** ROIMH-13279-08 Neuroendocrine mechanisms in behavior (rats)
 ** ROIMH-13581-06 Olfaction in behavioral functions of limbic system (rats)
 ** ROIMH-13923-07 Physiology of sleep (cats)
 ** ROIMH-13958-07 Brain mechanisms related to feeding behavior (cats)
 ** ROIMH-14594-05 Neurobehavioral functions of the limbic systems (rats, monkeys)
 ** ROIMH-15385-07 Brain mechanisms in visual and motor functions (cats, monkeys)
 ** ROIMH-15455-06 Viscero-endocrine responses to amygdala activity (monkeys)
 ** ROIMH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
 ** POIMH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 ** ROIMH-15902-05 Comparative studies of reinforcement parameters (fish, rats, pigeons, turtles)
 ** ROIMH-15946-05 Conditioning with electrical stimulation of the brain (cats, dogs)
 ** ROIMH-16384-05 Brain functions and behavior (rats, rabbits, mice)
 ** ROIMH-16478-06 Brain mechanisms and behavioral arousal (rats)
 ** ROIMH-16581-05 Neurophysiological correlates of sexual behavior (rats)
 ** ROIMH-16598-06 Neuroembryology of behavior (birds, opossum)
 ** ROIMH-16733-06 Developmental neuropsychology (rats)
 ** ROIMH-16889-05 Development of behavior and genetics (mice)
 ** ROIMH-16954-04 Effects of somatosensory deafferentation (monkeys, opossum)
 ** ROIMH-16955-05 Neural conditioning and development (mice)
 ** ROIMH-16978-06 Brain studies of purposive behavior (rats)
 ** ROIMH-17009-05 Experimental investigations of pain (cats)
 ROIMH-17384-05 Physiological bases of social behavior (chickens)
 ** ROIMH-18136-04 Molecular approaches to behavior (rats)
 ** ROIMH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
 ** ROIMH-18343-04 Neural lateralization of vocal control (birds)
 ** ROIMH-18611-04 Neural correlates of modifiable behavior (Aphasia)
 ** ROIMH-19420-04 Functions of temporal cortex in discrimination (monkeys, cats)
 ** ROIMH-19426-02 Neural responses to relevant and irrelevant stimuli
 M ROIMH-19506-03 Hormones, the brain and primate behavior
 ** ROIMH-19515-04 Substrates of elementary behavioral plasticity (rats)
 ** ROIMH-19691-04 Interrelations between chemical and behavioral plasticity (Aphasia, rats)
 ** ROIMH-19793-03 Central mechanisms controlling behavioral excitability (rats)
 ** ROIMH-20190-03 Effect of gonadal hormones on behavior (rats, mice)
 ** ROIMH-20811-03 Affective consequences of brain stimulation (rats)
 ** ROIMH-21076-02 Courtship in periodical cicadas
 ROIMH-21114-03 Circadian rhythms and the central nervous system (crayfish, insects, hamsters)
 ** ROIMH-21178-03 Physiological aspects of mating behavior (rats)
 M ROIMH-21312-03 Endocrinological determinants of behavior
 ROIMH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
 ROIMH-21563-02 Hypothalamic regulation of ingestive behavior (rats)
 ** ROIMH-21675-01 Brain mechanisms of intra-specific fighting in the rat
 ** ROIMH-21741-01 Operant conditioning of hippocampal EEG (cats)
 ** ROIMH-23254-01 Neuronal substrates of choice and learning (gastropods)
 ** ROIMH-23433-02 Role of the amygdala in behavior-Unit studies (cats)
 ** ROIMH-24069-02 Cellular organization of memory (cats)
 ** ROIMH-24131-01 GI pathology in the rat following HTH lesions of KCS (rats)
 ** ROIMH-24213-01 Adaptive behavior and limbic functions
 ** ROIMH-24279-02 Androgens, brain and behavior (rats, mice, human)
 ** ROIMH-24329-01 Anticholinergic drugs and emotional behavior (rats)
 ** ROIMH-24433-01 Behavioral effects of brain injury (human, cats, monkeys)
 ** ROIMH-25091-02 Circadian phase shifts and mental health (rats)
- ** ROIMH-25140-01 Homeostatic origins of motivation (rats)
 ** ROIMH-25281-01 Memory consolidation (rats)
 ** ROIMH-25329-01 Neuropsychology of visual recognition and perception (cats, monkeys)
 ** ROIMH-25486-01 Biochemical processes in the formation of memory (animals)
 ** ROIMH-25495-01 Anatomy of visuo- and somatomotor behaviors (rats)
 ** ROIMH-25594-01 Electrophysiological studies of selective perception (human)
 ** ROIMH-25621-01 Forebrain lesions and affective behavior (cats, monkeys)
 ** ROIMH-25643-01 Comparative studies on neural mechanisms (human, monkeys, pigeon)
 ** ROIMH-26251-01 CNS regulation of eating and drinking behavior (rats)
 ROINS-08108-07 Escape reflex-Physiology of habituation (crayfish)
- NEUROSCIENCES**
 SEE NEUROLOGY, NEUROSCIENCES (GENERAL PROJECTS ONLY)
- NEUROSIS**
 SEE PSYCHOLOGY ABNORMAL, NEUROSIS
- NEUROSPORA**
 SEE FUNGI, ASCOMYCETES, NEUROSPORA*
- NEUROSTEMIN**
 SEE NERVE PROTEINS, NEURIN, NEUROSTEMIN AND STEMIN
- NEUROSURGERY**
 SEE ALSO BRAIN LESIONS SURGICAL
 SEE ALSO CEREBROVASCULAR SURGERY
 SEE ALSO NERVOUS SYSTEM TRANSPLANTATION
 SEE ALSO PITUITARY STALK SECTION
 POICA-07368-11 0004 Interrelationships of normal and cancer cells - Electrophysiologic studies with electrodes (human, monkeys)
 POICA-07368-11 0026 Interrelationships of normal and cancer cells - Relief of cancer pain by neurostimulus
 ** PO2CA-11911-04 0002 Clinical cancer center - Surgical versus conservative management of extradural lymphoma
 ** ROICA-13714-02 Neurosurgical use of chemotherapeutic agents (dogs)
 ** ROICA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
 NOICM-02028-07 Experimental chemotherapy of brain tumors (human)
 ROIEY-01342-01 Surface corneal epithelium in diseased states (human, animals)
 POIGM-14267-09 0013 Microelectronics laboratory for biomedical science - Neurosurgical monitoring
 POIGM-15430-07 0016 Research in anesthesia - Cerebral blood flow (human, goats)
 ** POIHD-05221-05 0028 Center grant in mental retardation - Neurosurgical research
 ROIHD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)
 ROIHL-14774-03 Role of cerebral circulation and CNS in shock (dogs)
 ROIMH-05286-12 0001 Psychophysiology of perception - Evoked potentials from the surface and depth of the human brain
- M POINS-02808-13 Special clinical research project in neurophysiology
 POINS-02808-13 0019 Special clinical research project in neurophysiology - Chronic implantation (human)
 POINS-02808-13 0032 Special clinical research project in neurophysiology - Psychiatric and psychological studies (human)
 POINS-06209-09 0003 Boston University aphasia research center - Clinical case studies, neurology and anatomy (human, monkeys)
 POINS-06663-08 0005 Cerebrovascular clinical research center - Physical therapy, surgery, occupational therapy and hemiparesis in stroke (human)
 POINS-06663-08 0015 Cerebrovascular clinical research center - Determining regional cerebral blood flow (human)
 ROINS-06947-08 Bioelectric studies of cerebral cortex (human, racoons)
 POINS-07226-06 0011 Neurosensory interdisciplinary research program - Intracranial pressure monitor (monkey, cats)
 ** POINS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)
 POINS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
- M POINS-09287-04 Baylor center for cerebrovascular research
 POINS-10175-03 0020 Neuromuscular disease research center - Catecholamines-pargyline myopathy in rat
 ROINS-10238-03 Otoneurological evaluation of infants and children
 ROINS-10759-02 Determinants of somatic sensory neuronal responses (monkeys)
 ROINS-10978-02 Brain stem sensory connections (human, animals)
 ** ROINS-11002-01 Serial surgery and tactile recovery of function (rats, racoons)
 POINS-11132-01 0002 Neural basis of effects produced by spinal cord damage - Posttransectional hyperreflexia (frogs)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1NS-11132-01 0003 Neural basis of effects produced by spinal cord damage - Enduring changes in synaptic efficacy (cats)
- PO1NS-11132-01 0004 Neural basis of effects produced by spinal cord damage - Interactions between neurons and effector organs (mammals)
- ** RO1NS-11379-02 Electrophysiological studies of epileptic brain (human)
- PO1NS-11631-01 0044 Clinical center for research on Parkinson's and allied diseases - Motor neuron response to natural stimuli (monkeys)
- MO1RR-00030-13 0007 General clinical research center - Extrapyramidal disorders and focal epilepsy with electrode implants (human)
- MO1RR-00054-13 0063 General clinical research center - Bell's palsy (human)
- ** MO1RR-00058-13 0055 General clinical research center - Effects of deontabromy on spasticity (human)
- MO1RR-00070-12 0008 General clinical research center - Pathophysiology of epilepsy (human)
- MO1RR-00070-12 0058 General clinical research center - CNS in malignant brain tumors (human)
- ** MO1RR-00088-11 0050 General clinical research center - Neurosurgery for relief of persistent pain (human)

NEUROSURGERY, CEREBROSPINAL FLUID

- SHUNTS**
- PO2CA-05826-13 0070 Clinical cancer research center - Monitoring intracranial pressure (human)
- PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit
- RO1MH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs

NEUROSURGERY, DENERVATION (GENERAL)

- RO1AM-02001-17 Factors that modify insulin action (rats)
- RO1AM-05077-13 Renal tubular reabsorption of sodium and water (dogs)
- RO1AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
- RO1AM-14742-04 Growth regulation in regeneration (newts)
- RO1AM-15258-05 Physiological regulation of small gut secretion (dogs)
- RO1AM-15843-03 Role of the renal nerves in sodium retaining states (dogs)
- RO1AM-16813-01 Congenital megacolon (mice)
- ** PO1AM-17110-07 0016 Program project in biomaterials calcified tissue - Denervation of rabbit's knee joints
- RO1DE-03022-06 Blood flow in normal and diseased gingiva (dogs)
- RO1EY-00237-13 Physiologic studies of intraocular pressure (rabbits)
- RO1EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
- RO1EY-00530-12 A study of structure and function of retinal neurons (monkeys, cat)
- RO1EY-00692-04 Comparative study of glaucoma (monkeys, cats)
- RO1EY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
- RO1EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- RO1EY-01352-01 Adrenergic physiology of the eye (rabbits, monkeys)

- M PO1GM-15571-06 Anesthesia research-Program project
- PO1GM-15571-06 0045 Anesthesia research-Program project - Peripheral chemoreceptors and cardiovascular response to isovolemic anemia (cats)
- PO1GM-16593-06 0011 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Pharmacology of renal hemodynamic responses to contrast media (dogs)
- RO1GM-18269-04 Studies in regeneration (lizards)
- RO1HD-00348-13 Behavioral effects of selected denervation (cats)
- PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- RO1HD-01026-10 0002 Cytology of mammalian differentiation - Skeletal muscle (rats)
- PO1HD-02274-08 0015 Mental retardation and child development - Ophthalmology (human, primates, rats)
- RO1HD-04182-06 Adrenergic pharmacology of ovum transport (rabbits)
- ** RO1HL-05875-14 Pathologic metabolic and physiologic studies of heart (dogs)
- ** RO1HL-06143-14 Response of the totally denervated heart to exercise (dogs)
- PO1HL-06312-13 0024 Surgical cardiology - Cardiac denervation-Effect of digitalized heart to electric discharge (dogs)
- PO1HL-06312-13 0025 Surgical cardiology - Effect of denervation on arrhythmias and function with coronary occlusion (dogs)
- ** PO1HL-06312-13 0026 Surgical cardiology - Patterns of cardiac denervation (dogs)
- ** PO1HL-06312-13 0027 Surgical cardiology - Regional blockade to attain temporary cardiac denervation (dogs)
- PO1HL-06312-13 0028 Surgical cardiology - Coronary flow in the transplanted denervated heart (dogs)
- RO1HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)

- PO1HL-08682-11 0001 Regulation of the cardiovascular system - Regulation of the cardiodynamic mechanisms (human, animals)
- PO1HL-08682-11 0011 Regulation of the cardiovascular system - Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits)
- RO1HL-08696-10 0008 Orthotopic heart transplantation - Cardiac output during exercise in cardiac denervated and reinnervated dog
- PO1HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
- RO1HL-12322-06 Extrinsic factors influencing myocardial performance (dogs)
- RO1HL-12703-05 Vascular control mechanisms in skeletal muscle (dogs, cats)
- RO1HL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)
- RO1HL-13666-03 Pharmacologic studies on the genesis of cardiac rhythmicity (rabbits, cats)
- RO1HL-14053-03 Cardiovascular determinants of catecholamine release (dogs)
- PO1HL-14414-03 0007 Cardiopulmonary performance and environmental factors - Control of active expiration (cats, human)
- RO1HL-14535-03 Intrarenal aspects of the renin-angiotensin system (sheep, rats, rabbits)
- RO1HL-14969-01 Post-traumatic pulmonary insufficiency (dogs)
- PO1HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
- RO1HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
- PO1HL-16910-01 0005 Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
- ** R23HL-17200-01 Control of hypoxic pulmonary vasoconstriction (dogs)
- ** RO1MH-16954-04 Effects of somatosensory deafferentation (monkeys, opossum)
- RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- ** RO3MH-24416-01 Motor skills of neonatally deafferented monkeys
- RO1NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ** PO1NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, neoturus)
- PO1NS-04053-12 0001 Epilepsy - Neuroanatomy-Degeneration of synapses and deafferentation (rats, cats)
- PO1NS-04053-12 0007 Epilepsy - Hyperactivity in spinal cord sensory system (cats)
- ** PO1NS-04053-12 0020 Epilepsy - Deafferentation of the external cuneate nucleus (cats)
- RO1NS-04119-11 Plasticity of synaptic mechanisms (cats)
- RO1NS-06517-10 Biochemical studies in muscular dystrophy (chickens)
- RO1NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- RO1NS-07474-07 Electrical and contractile properties of muscle (squid)
- RO1NS-07872-08 Biochemical studies of synapse membrane (rats, chickens)
- PO1NS-07938-06 0005 Peripheral and central nervous system - Synaptic transmission in ganglia and neuromuscular junctions (pigeons)
- PO1NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
- RO1NS-08045-04 Cytochemical studies of skeletal muscle mitochondria (human, rodents)
- RO1NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
- RO1NS-08677-06 Light-Neural control endocrine function (rats, monkeys)
- RO1NS-08770-04 Neuromuscular relations in organotypic cultures (mice, rats)
- RO1NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
- RO1NS-09420-04 Long-term nerve-muscle interactions (rats)
- RO1NS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
- PO1NS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
- RO1NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
- ** PO1NS-10175-03 0018 Neuromuscular disease research center - Theophylline on normal and denervated muscle (rats)
- RO1NS-10319-03 Monosynaptic transmission in spiral neurons (cats)
- ** RO1NS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
- RO1NS-10371-02 Degenerative and regenerative changes in CNS (cats)
- RO1NS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)

- RO1NS-10497-02 Neuromuscular junction in slow and fast muscles (guinea pigs)
 - RO1NS-10666-02 Developmental and trophic neural interactions (chick embryo, frogs)
 - RO1NS-10792-02 Physiology of synapses developing in vivo (salamanders)
 - ** RO1NS-10833-01 Analysis of changes in muscles caused by denervation (rat, guinea pig, and rabbit)
 - RO1NS-10886-08 Pharmacology of isolated cerebral cortex (human, cat, primates)
 - PO1NS-10920-02 0001 Development and regeneration in the nervous system - Trophic effect of acetylcholine on developing muscle receptors (rat)
 - ** PO1NS-11132-01 0008 Neural basis of effects produced by spinal cord damage - Neural effects on renal function-dependence upon spinal mechanisms (mammals)
 - ** RO1NS-11386-01 Experimental neuropathies-Correlative studies (cat)
 - RO1NS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
 - RO1NS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
 - RO1NS-11648-01 Influence of neurons upon muscle spindle development (rats)
 - ** RO1NS-11699-01 Long-term changes in neurons (guinea pig)
 - RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
 - PO1NS-11766-01 0006 Clinical research center for neuromuscular disease - Acetylcholine receptor in isolated form (electric eel, rats, rabbits, human)
 - PO1NS-11766-01 0012 Clinical research center for neuromuscular disease - Regeneration of dystrophic muscle (human, mice, rabbits)
 - RO1NS-11831-01 Control mechanisms in regeneration and polarity (annelids)
 - RO1NS-12063-01 Muscle reinnervation and neurotropic influence (rats, chickens)
 - MO1RR-00059-13 0095 General clinical research center - Effect of catecholamines on ventilation in carotid body chemodectomas (human)
- NEUROSURGERY, GLOMECTOMY**
- PO1GM-15571-06 0053 Anesthesia research-Program project - Effect of chronic metabolic alkalosis and acidosis on ventilation and CSF HCO3
- NEUROSURGERY, LAMINECTOMY**
- PO1NS-10162-03 0001 Management of spinal cord injury - Establishment of a clinical research center
 - RO1NS-10163-03 0006 Acute spinal cord injury center - Enzymatic studies (cats)
- NEUROSURGERY, NERVE DECOMPRESSION**
- ** PO2CA-05826-13 0075 Clinical cancer research center - Radiation therapy versus surgery for cord compression (human)
 - PO1GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
 - PO1NS-10164-02 0001 Regional spinal cord trauma center grant - Clinical studies (human)
 - PO1NS-11066-01 0002 Fundamental studies in spinal cord injury - Physiological studies in spinal cord injury (monkeys)
- NEUROSURGERY, SPINAL CORD LESIONS SURGICAL**
- PO1GM-19599-02 0008 Surveillance and predictive diagnosis in surgical patients - Central nervous system-Clinical (human, cats)
 - PO1GM-20309-02 0001 Acute trauma study center - Stress ulcer (human, swine, dogs)
 - RO1NS-00031-25 Physiology and pharmacology of brain stem (cats, rats)
 - RO1NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
 - RO1NS-06164-09 Regeneration in the central nervous system (monkeys, rats, fish)
 - ** RO1NS-07755-06 Plasticity of the transected human spinal cord
 - PO1NS-10162-03 0003 Management of spinal cord injury - Basic research program (human, cats, ferrets)
 - PO1NS-10164-02 0001 Regional spinal cord trauma center grant - Clinical studies (human)
 - PO1NS-10175-03 0007 Neuromuscular disease research center - Muscle fiber typing-Dorsal rhizotomy (cats)
 - RO1NS-10371-02 Degenerative and regenerative changes in CNS (cats)
 - RO1NS-10647-01 Studies of spinal response plasticity (cat)
 - RO1NS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)
 - ** PO1NS-11132-01 0005 Neural basis of effects produced by spinal cord damage - Descending impulses in functional organization of the spinal dorsal horn (monkey)
- NEUROSURGERY, SYMPATHECTOMY**
- SEE ALSO NEUROSURGERY, GLOMECTOMY
- PO1AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 - RO1EY-00207-15 Physiology and pharmacology of aqueous humor flow (human)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- RO1EY-00945-03 Biochemical regulation in ocular tissues (rabbits)
- PO1HL-12738-06 0064 Physiologic pharmacology and its clinical applications - Cardiovascular reactivity (rats)
- PO1HL-14388-03 0024 Regulation of the circulation in pathological states - Adrenergic system in atherosclerosis (monkeys)
- RO1HL-14588-03 Sympathetic nervous system in renal hypertension (rats)
- RO1HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
- RO1HL-15307-02 Central nervous control of renin and blood pressure
- RO1HL-16766-01 Compensatory mechanisms in peripheral vessels (rats, dogs)
- RO1HL-16847-01 Pathogenesis of glucocorticoid hypertension (rats)
- R23HL-17200-01 Control of hypoxic pulmonary vasoconstriction (dogs)
- PO1NS-03354-13 0001 Neurosensory center - Neuro-ophthalmology
- RO1NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)

NEUROSURGERY, SYMPATHECTOMY,

- IMMUNOSYPATHECTOMY**
SEE ALSO NERVE GROWTH FACTOR
- P13DE-02731-08 0007 Development support for dental research institute - Oral histology (primates, mice, rats)
- RO1MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)

NEUROSURGERY, VAGOTOMY

- RO1AM-02150-16 Etiology of peptic ulcer—Role of pepsin (dogs, human, rabbits, rats, cats)
- RO1AM-04178-14 Pathogenesis of peptic ulcer (swine, dogs, frogs, rabbits)
- PO2AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
- RO1AM-08354-10 Gastric physiology (human, cats, rats, dogs)
- RO1AM-09260-09 Vagal control of gastric secretion (human, chickens, dogs, amphibians)
- RO1AM-11835-06 Physiology and treatment of gastroesophageal incompetence (human, dogs, cats)
- RO1AM-12333-08 Studies in gastrointestinal physiology (dogs, human)
- RO1AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
- RO1AM-15241-04 Surgical studies in gastrin metabolism (human, dogs, rabbits, rats)
- ** RO1AM-15417-03 Contractions and emptying of stomach and intestine(dogs)
- RO1AM-15511-03 Hypothalamic control of body weight and feeding (rats, squirrel)
- RO1AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
- RO1AM-16421-01 Control of ductular and canalicular bile production (dogs)
- RO1AM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
- RO1AM-16659-02 Mechanism of glucose disposition after gastric surgery (human, dogs)
- ** RO1AM-16814-01 Effect of vagotomy on hepatic regeneration (rats)
- RO1AM-17125-01 The secretion of pepsin (dogs)
- P17AM-17328-01 0003 Peptic ulcer center - Gastric acid secretion after eating in duodenal ulcer patients
- ** P17AM-17328-01 0013 Peptic ulcer center - Studies on vagotomy (human)
- ** RO1AM-18091-01 Effect of vagotomy on hepatic regeneration (rats)
- ** PO2CA-05826-13 0051 Clinical cancer research center - Effect of esophagectomy and vagotomy on fat absorption (human)
- ** PO2CA-05826-13 0058 Clinical cancer research center - Malabsorption in cancer patients
- PO1CA-08748-09 5937 Research program of Sloan-Kettering Institute - Gastric ulcerations in pigs with orthotopic liver allotransplantation
- RO1HL-04032-21 Regulation of respiration at rest and during exercise (human, dogs, sheep)
- ** MO1RR-00059-13 0171 General clinical research center - Effect of atropine and vagotomy on gastric mucosa permeability (dogs)
- ** MO1RR-00095-14 0032 General clinical research center - Effect of truncal and selective gastric vagotomy (human)
- ** MO1RR-00334-08 0026 General clinical research center - Vagotomy and liver dysfunction on hepatic osmoreceptor control of
- MO1RR-00828-01 0040 General clinical research center - Glucose metabolism in acid peptic disease before and after surgery (human)

NEUROSURGERY (FUNCTIONAL)(SEDATIVE)

SEE BRAIN LESIONS SURGICAL, PSYCHOSURGERY

NEUROTENSIN

SEE PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN

NEUROTOXINS

- SEE ALSO EAR DISORDERS, OTOTOXINS
- SEE ALSO LIVER DISORDERS, HEPATIC COMA-ENCEPHALOPATHY
- SEE ALSO TOXICOLOGY, ANIMAL POISONS, TETRODOTOXIN
- SEE ALSO TOXICOLOGY, PROTOZOAL TOXINS, SAXITOXIN
- RO1AI-11629-01 Polymyxin analogs (mice)
- RO1AI-12081-01 Pathology of experimental mycoplasma infection (chickens, guinea pigs)
- RO1AM-02448-16 Physiological functions and metabolism of thiamine (rats)
- PO2AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- RO1AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
- RO1AM-10894-08 0004 Genetic metabolic diseases of infancy and childhood - Galactose toxicity (chicks, rats)
- RO1AM-17453-02 Biochemical studies of hepatic encephalopathy (human, rats)
- PO2CA-06973-12 0030 Integrated clinical cancer research program - Pharmacology (rats)
- RO1CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- ** P10ES-00002-12 0008 Occupational and environmental health - Action of organophosphate insecticides (rats)
- ** P10ES-00002-12 0011 Occupational and environmental health - Metal-toxicity interactions (rabbits)
- P01ES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
- P01ES-00049-10 0025 Mode of action and metabolism of organic toxicants - Polycyclic phosphorus compounds with toxicological properties (mice, chicks)
- ** RO1ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- ** P01ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
- ** P01ES-00226-08 0002 Comparative environmental toxicology - Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit)
- ** P01ES-00226-08 0003 Comparative environmental toxicology - Interaction of polychlorinated biphenyls (rodents, dogs, swine, monkeys)
- ** P01ES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)
- P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
- ** P10ES-00267-07 0012 Center for environmental toxicology - Basic proteins of Elapid venoms—Mechanism of action (rats, mice)
- ** P01ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
- ** P01ES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)
- ** P01ES-00454-06 0019 Biological effects of environmental agents - Central inhibition of respiration by organophosphate insecticides (guinea pigs)
- ** P01ES-00454-06 0020 Biological effects of environmental agents - Behavioral and CNS system effects of CO exposure (rats, baboons)
- ** P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- ** RO1ES-00700-01 Mechanism of the neurotoxicity of venoms (mice)
- RO1ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
- ** P01ES-00735-01 0006 Public health hazards and environmental fate of parathion - Parathion induced enzymic changes in rat brain
- ** RO1ES-00814-05 Mode of action of insecticides (American cockroach, flies)
- ** RO1ES-00820-02 Toxicity of organic mercury for the fetus and newborn (human, monkeys)
- RO1ES-00833-02 Biochemical studies on CNS teratogenesis by mercury (rats)
- RO1ES-00840-01 Cellular studies of vertebrate insecticide resistance (mosquitofish)
- ** RO1ES-00900-02 Effect of toxic metals on specific brain structures (rabbits)
- P01ES-01059-01 0003 Metallic mercury vapor as an environmental hazard - Biological effects of mercury vapor (human, mice)
- RO1FD-00619-01 Atlantic shellfish poison, G. tamarensis toxin (animals)
- RO1FD-00683-01 Biosynthesis, toxicology and control of potato toxicants
- ** RO1FD-00712-01 Structure-toxicity relationship of botulinum toxins
- ** RO1GM-16031-13 Amphibian toxins—Chemistry and pharmacology (frogs, fish, cats)
- PO1GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
- ** RO1GM-19172-03 Sea snake venoms and toxins (mice)

- RO1GM-19984-02 0002 Structure and function of proteins at molecular level - Neurochemical processes—The cholinergic receptor molecule
- PO1HD-02274-08 0014 Mental retardation and child development - Neuropathology (human, monkeys, rats)
- PO1HD-02274-08 0078 Mental retardation and child development - Biochemical mechanisms of anesthetic action (mammals)
- ** PO1HD-02528-08 0055 Research center in mental retardation - Cysteate and carbamyl phosphate action on central nervous system (rats)
- ** RO1HL-15958-02 X-ray diffraction analysis of thrombin and neurotoxin
- PO1HL-16117-01 0006 Ion movements and membranes in cardiovascular control - Neuroreceptors and cellular excitation (fish)
- RO1NS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
- RO1NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- RO1RS-03909-13 Biochemistry and histopathology of cyanide toxicity (rats)
- PO1NS-04053-12 0017 Epilepsy - Ultrastructure and histochemistry of lamina in cortex (monkeys)
- ** PO1NS-06208-09 0016 Epilepsy research program - Localization of gangliosides and neurotoxin binding (mammals)
- ** RO1NS-06282-08 Experimental study of dyskinesia choreoathetosis (monkeys)
- RO1NS-06701-06 New methods for the study of amine transmitters (rodents, chickens)
- ** RO1NS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
- ** RO1NS-07747-05 Structure of neurotoxins—Eradetoxins and laticanone (sea snakes, scorpions)
- RO1NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
- RO1NS-08909-04 Regional CNS uptake of amine acids (mice)
- ** RO1NS-08947-05 Metabolic studies on neurotoxins (rodents, plants)
- ** RO1NS-08952-06 0004 EM cytopathology of organized CNS and PNS cultures - Tests for myelinotomies (human, rats, mice, rabbits)
- RO1NS-09082-03 Studies of neural proteins (rats)
- RO1NS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- ** RO1NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)
- ** RO1NS-10484-03 Toxins causing paralytic noninflammatory neuropathy (Karwinskia)
- ** RO1NS-10803-03 Experimental pathology of developing nervous system (rodents)
- RO1NS-10823-02 Cellular neuropharmacology of drug action
- RO1NS-11323-01 Purified acetylcholine receptor
- ** RO1NS-11386-01 Experimental neuropathies—Correlative studies (cat)
- RO1NS-11635-01 Molecular basis of membrane excitation (electric fish)
- PO1NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)
- PO1NS-11766-01 0007 Clinical research center for neuromuscular disease - Protein components in excitable membrane fragments (electric eel, mammals)
- NO1NS-12286-03 Study materials in conjunction with a sensory prosthesis (cats)

NEUROTRANSMITTERS (BIOGENIC AMINES)

SEE NEUROHUMORS (GENERAL)

NEUROTROPIC VIRUSES

SEE VIRUSES, NEUROTROPIC

NEUTRAL LIPIDOSES, INBORN

SEE METABOLIC DISORDERS INBORN, LIPID (NEUTRAL) STORAGE

NEUTRALIZATION TESTS

SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, NEUTRALIZATION TESTS*

NEUTRON ACTIVATION ANALYSIS

SEE CHEMISTRY, ANALYTICAL METHODS, ACTIVATION ANALYSIS*

NEUTRON DIFFRACTION (CHEMISTRY ANALYTICAL)

SEE CHEMISTRY, ANALYTICAL METHODS, NEUTRON DIFFRACTION*

NEUTRON RADIATION

SEE RADIATION, NEUTRON RADIATION

NEUTROPHIL LEUKOCYTES

SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

NEVUS

SEE CONGENITAL ABNORMALITIES, SKIN, NEVUS

NEVUS PIGMENTED

SEE CONGENITAL ABNORMALITIES, SKIN, NEVUS PIGMENTED (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NEW GUINEA

SEE GEOGRAPHICAL SITES, NEW GUINEA

NEWBORN

SEE INFANT ANIMALS NEWBORN
SEE INFANT HUMAN NEWBORN

NEWCASTLE DISEASE VIRUS

SEE VIRUSES, MYXOVIRUSES, NEWCASTLE DISEASE VIRUS

NEUTS AND SALAMANDERS

SEE AMPHIBIANS, URODELES*

NIACIN

SEE PYRIDINE CARBOXYLIC ACIDS, NICOTINIC ACID

NIACINAMIDE

SEE PYRIDINAMIDES, NICOTINAMIDE

NICKEL (COMPOUNDS)

SEE METALS, HEAVY METALS, NICKEL

NICOTIANA

SEE CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS

NICOTINAMIDE

SEE PYRIDINAMIDES, NICOTINAMIDE

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE (REDUCED)

SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H₂)

NICOTINAMIDE ADENINE DINUCLEOTIDE (REDUCED)

SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H₂)

NICOTINAMIDE RIBOTIDES

SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES

NICOTINE

SEE PYRIDINES, NICOTINE

NICOTINIC ACID

SEE PYRIDINE CARBOXYLIC ACIDS, NICOTINIC ACID

NICOTINIC ACID ANALOGS

SEE PYRIDINE CARBOXYLIC ACIDS, NICOTINIC ACID ANALOGS

NICITATING MEMBRANE

SEE EYELIDS, NICITATING MEMBRANE

NIDATION

SEE PREGNANCY, IMPLANTATION

NIEMANN-PICK DISEASE

SEE METABOLIC DISORDERS NEWBORN, SPHINGOMYELINOSES, NIEMANN-PICK DISEASE

NIF VIRUS

SEE VIRUSES, ONCOGENIC, MODULE INDUCING VIRUS (MICE)

NIGHT BLINDNESS

SEE EYE DISORDERS, VISION DISORDERS, NIGHT BLINDNESS

NIKETHAMIDE

SEE PYRIDINAMIDES, NICOTINAMIDE, NIKETHAMIDE

NIPPOSTRONGYLUS

SEE HELMINTHS, NEMATODES, NIPPOSTRONGYLUS

NIRIDAZOLE

SEE THIAZOLES, NIRIDAZOLE

NITRATE REDUCTASE

SEE OXIDOREDUCTASES, NITRATE REDUCTASE

NITRATES

- ** R01AM-12788-23 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- ** P01CA-12227-04 0024 Care program in carcinogenesis - Reduction of nitrate to nitrite in rat tissues
- ** R26CA-14927-02 Environmental bladder carcinogens (human)
- N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
- N01CP-43255-00 Identification of human populations at risk from N-nitroso compounds
- P01DE-03610-08 0006 Cranio-facial growth and development - Inheritance of cranio-facial form and growth (human)
- R01ES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)
- ** R01FD-00282-04 Nitrate and nitrite accumulation in vegetables (spinach)
- R01GM-08347-14 Function of molybdenum in biological systems
- R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- ** R01GM-18955-06 Enzymology of nitrate assimilation (fungi, marine diatoms)
- ** R01GM-21131-24 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- R01HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)

- ** R01HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
- M01RR-00645-03 0061 Clinical research center - Silver nitrate cream combination for permanent tubal blockage (human)

NITRENE

R01GM-19734-02 Photoaffinity labeling of mitochondria by uncouplers

NITRIFICATION AND DENITRIFICATION

- ** R01AM-12788-23 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- R01FD-00282-04 Nitrate and nitrite accumulation in vegetables (spinach)
- ** R01GM-21131-24 Enzymology of nitrate respiration and assimilation (plants, microorganisms)

NITRILES

SEE AMINO ACIDS, ALANINE, BETA-CYANO-L-ALANINE
SEE CYANIDES

NITROTRIACETIC ACID

SEE AMINO ACIDS, NTA

NITRITES

SEE ALSO AMYL NITRITE

- R01AI-04865-12 Inorganic nitrogen metabolism (bacteria)
- ** R01CA-03983-16 Free radicals in physiological and pathological processes (rats)
- R01CA-10977-10 ESR studies of biological free radical mechanisms (rodents)
- ** R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- R26CA-14649-02 Role of indole in urinary bladder carcinogenesis (hamsters)
- N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
- N01CP-43255-00 Identification of human populations at risk from N-nitroso compounds
- ** P01ES-00597-04 0001 Food-borne environmental toxicants - Nitrosation reaction products (yeast)
- R01ES-00713-03 Nitrose sarcosine, an environmental hazard (mice)
- ** R01FD-00282-04 Nitrate and nitrite accumulation in vegetables (spinach)
- R01FD-00364-03 N-Nitrosamine formation in cured meats (also fish)
- ** R01FD-00382-04 N-nitrosamines in foods (marine, fish, rats)
- P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
- R01HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
- N01NS-22330-02 Effects of lipids on human and bacterial cells

NITROALIPHATICS

R01AM-09171-10 Organic studies and the mechanism of enzyme action

NITROARYLS

SEE ALSO ACRIDINES
SEE ALSO ALKALOIDS
SEE ALSO AZEPINES
SEE ALSO AZETIDINE
SEE ALSO AZIRIDINES
SEE ALSO CYCLIC AMINO ACIDS
SEE ALSO IMIDAZOLES
SEE ALSO PHENANTHRIDINES
SEE ALSO PHENANTHROLINES
SEE ALSO PHENOTHIAZINES
SEE ALSO PIPERAZINES
SEE ALSO PTERIDINES
SEE ALSO PURINES
SEE ALSO PYRAZINES
SEE ALSO PYRIDINES
SEE ALSO PYRIMIDINES
SEE ALSO PYRROLES
SEE ALSO THADIAZOLES
SEE ALSO TRIAZINES

- R01CA-07110-11 Highly strained nitrogen heterocyclics
- R26CA-14524-02 Metabolic factors involved in bladder carcinogenesis (monkeys, rabbits, dogs, ro)
- R01GM-15425-07 Medicinal photochemistry-Synthesis and reactions

NITROARYLS, AZOLES, PENTYLENETETRAZOLE

- R01DA-00346-01 Anticonvulsant properties of marijuana and surrogates (rats, mice)
- R01HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- R01MH-11894-09 0003 Comprehensive behavioral studies - Cortical facilitative agents and learning test performance (Rhesus monkeys)
- R01MH-16128-06 Early clinical drug evaluation unit
- R01MH-22570-02 Amphetamine tolerance-Central and peripheral studies (rodents)
- P01NS-04513-11 0005 Coordinated basic and clinical brain research program - Mechanisms in grand mal epilepsy (human)

- P01NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)
- R01NS-06288-10 Metabolic fate of neuropharmacological agents (dogs, rats)
- R01NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
- R01NS-10886-08 Pharmacology of isolated cerebral cortex (human, cat, primates)

NITROARYLS, AZOLES, TETRAZOLIUM SALTS

- R01CA-02478-20 Chemotherapy of cancer-Experimental and clinical
- P02CA-12197-03 0004 Multidisciplinary oncology research center - Metabolism of leukocytes in myeloproliferative disorders (human)
- P02CA-12197-03 0014 Multidisciplinary oncology research center - Metabolic and functional capabilities of leukocytes (human)
- P02CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)
- R01HD-06894-02 Study of NBT test in selected childhood disorders

NITROARYLS, LACTAMS (GENERAL)

- R01AI-10389-03 Photolysis of amino-dienes-A synthesis of penicillin
- R01CA-12642-03 Inhibitors of asparagine synthesis (mice, rats, human, pigs)
- R01GM-07874-14 New synthetic methods via reactive intermediates
- R01HL-12971-12 Reactions of alcohols and their analogs

NITROBACTER

SEE BACTERIA, PSEUDOMONADALES, NITROBACTERIACEAE*

NITROBACTERIACEAE

SEE BACTERIA, PSEUDOMONADALES, NITROBACTERIACEAE*

NITROBENZENES

- R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- R01HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)

NITROBENZENES, DINITROBENZENE

R01AM-13687-18 Energy source for contraction of muscle (frogs)

NITROBENZENES, DINITROCHLOROBENZENE

- R01AM-14627-04 Immunological studies of chronic arthritis (human)
- ** P02CA-06518-11 0038 Radiation and radiobiology research center - DNCB study
- ** P01CA-08748-09 7804 Research program of Sloan-Kettering Institute - Resistance to cancer and delayed hypersensitivity (human)
- P02CA-13053-03 0067 Clinical cancer radiation therapy research center - Immunological reactivity of patients with gynecological malignancy
- ** R26CA-16371-01 Evaluation stimulation of colon cancer (human)
- P18HL-15160-03 0004 Comprehensive sickle cell disease center - Cellular immune reactions in patients with sickle cell anemia
- P17HL-15389-03 0005 Wisconsin Pulmonary Disease Research Center - Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents)

NITROCELLULOSE

SEE HEXOSANS, GLUCANS, NITROCELLULOSE

NITROFERRICYANIDE SODIUM

SEE IRON CYANIDES, SODIUM NITROFERRICYANIDE

NITROFURANS

SEE OXOLES, NITROFURANS

NITROFURANTOIN

SEE IMIDAZOLENONES, HYDANTOINS, NITROFURANTOIN

NITROGEN

- SEE ALSO NITRENE
- ** R01AI-05006-11 Nitrogen metabolism in gastropod molluscs
- R01AM-17331-02 Organe metallic derivatives of biological compounds
- R01AM-17456-02 Fat mobilization and protein sparing therapy (human, rats)
- ** R01CA-02568-20 0001 Free amino acids in normal and neoplastic tissues - Nitrogen metabolism of tumor cells
- R01CA-07182-11 Heterocyclic compounds containing phosphorus
- ** N01CM-43779-00 Synthesis of nitrogen heterocycle compounds as potential antitumor agents
- ** P10ES-00210-07 0033 Center for environmental management - Movement of fertilizer nitrogen in soil
- R01GM-08347-14 Function of molybdenum in biological systems

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1GM-14546-08 0035 Influence of acute illness and injury on energy - Comparison of fructose and amine/amino acid metabolism (human)
- RO1GM-16260-06 Derivation of newborn potential parameters
- RO1GM-19478-03 Microanalysis using gas chromatography
- RO1GM-21248-01 0005 New applications of mass spectrometry in pharmacology - Analytical utility of charge exchange ionization
- PO1HD-06276-03 0075 Mental retardation research program - Lipid neurochemistry
- ** NO1HD-22790-01 Effects of contraceptive steroids on trace elements (human)
- ** PO1HL-07896-13 0022 Environmental biomedical research program - Differences in inspired and expired nitrogen in man
- ** PO1HL-08899-10 0003 Oxygenation and oxygen effects in man - Inert gas exchange in the eye (human, dogs)
- ** PO1HL-08899-10 0011 Oxygenation and oxygen effects in man - Calcium flux into central nervous system and CO₂ and nitrogen pressures (cats)
- P17HL-14218-04 0004 Newborn lung center - Metabolism of infants with respiratory distress syndrome (human)
- PO1HL-14414-03 0004 Cardiorespiratory performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
- RO1HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- P18HL-15170-03 0013 Comprehensive sickle cell disease center - Effect of sodium and potassium cyanoate treatment on hormone action (human)
- ** RO1NS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- MO1RR-00039-14 0067 General clinical research center - Ammonium bicarbonate as nitrogen source for protein (human)

NITROGEN, RADIOLABELED

SEE RADIOLABELED NITROGEN*

NITROGEN 13

SEE RADIOISOTOPES, NITROGEN 13

NITROGEN BALANCE

SEE ALSO CHEMISTRY, CLINICAL, BLOOD UREA NITROGEN

SEE ALSO NITROGEN RETENTION, AZOTEMIA

- ** PO1AM-06741-12 0004 Dialysis in treatment of chronic uremia - Peritoneal dialysis (human)
- R22AM-09980-09 0007 Infantile diarrhea and malnutrition (Peru, Baltimore) - Evaluation of new and enriched foods (human)
- PO2AM-10202-08 0002 Studies in human nutrition - Protein requirements of teenage pregnancy (human, rats)
- RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
- RO1AM-11748-07 0002 Regulation of metabolic processes - Effect of ethanol on liver metabolism (rats)
- R22AM-12030-03 Calorie and nutrient requirements of Filipinos
- ** R22AM-12095-06 Effect of heat and hard work on nitrogen requirement (human)
- RO1AM-12708-05 Histidine biosynthesis in animal development (human, mammals, chickens)
- RO1AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- ** RO1AM-15603-03 Therapeutic value of augmented nitrogen reutilization (human, rabbits)
- RO1AM-15832-03 Role of dietary histidine in human nutrition
- ** RO1AM-15856-03 Dietary protein intake and human protein metabolism
- ** RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
- RO1AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
- RO1AM-17708-01 Protein-energy relationships in malnutrition
- ** NO1AM-32210-02 Nitrogen metabolism in uremia (human)
- NO1AM-90066-06 Study on amino acids and uremia (human)
- RO1CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)
- ** RO1CA-15917-01 Nitrogen metabolism and plant neoplastic state
- PO1DE-02552-08 0003 Microbial pathogenesis of human dental caries - Biochemistry (Streptococci, hamsters)
- PO1GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- PO1GM-17961-04 0007 Body compositional changes in severe trauma - Stress ulceration (human)
- PO1GM-17961-04 0011 Body compositional changes in severe trauma - Human calorimetry (human)
- RO1GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
- RO1GM-20630-02 New concepts in parenteral protein sparing therapy (rats, dogs, swine)
- PO1HD-00781-11 0001 Studies on prematurity - Urea production in fetus (sheep)
- RO1HD-01784-09 Growth patterns and body composition (swine miniature)

- PO1HD-02147-08 0008 Extrauterine growth and development - Parenteral nutrition and adaptation of digestive enzymes (human)
- RO1HD-02760-07 Amino acid requirements of premature infants (human)
- RO1HD-05668-03 Effect of overcrowding malnutrition on growth (rats)
- RO1HD-07250-02 Sweet nitrogen losses and protein intake in children
- ** RO1HD-07707-02 Pediatric parenteral alimentation - Metabolic studies
- RO1HD-08434-01 0001 Metabolic studies of parenteral nutrition in infants - Varying protein intake
- RO1HD-08434-01 0002 Metabolic studies of parenteral nutrition in infants - Urea and arginine metabolism in total parenteral nutrition
- RO1HL-04457-16 Cellular aspects of active transport (fish)
- RO1HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
- RO1HL-13872-16 0004 Body composition and metabolic care in surgery - Endocrine interrelationships after injury (human)
- RO1NS-05096-11 0005 New amino acid disorders in cerebral disease - Hyperornithinemia
- MO1RR-00035-14 0097 General clinical research centers - Therapeutic value of keto acids in uremia - Nitrogen metabolism (human)
- MO1RR-00039-14 0032 General clinical research center - Effects of individual amino acids on blood ammonia levels in cirrhosis (human)
- ** MO1RR-00065-12 0032 General clinical research center - Production of elemental nitrogen (human, mice)
- MO1RR-00065-12 0037 General clinical research center - Effects of ileal bypass on intestinal function (human)
- ** MO1RR-00076-12 0036 General clinical research center - Evaluation maintenance nitrogen balance by parenteral nutrition (human)
- MO1RR-00068-11 0002 General clinical research center - Protein and amino acid requirements in man
- MO1RR-00068-11 0003 General clinical research center - Protein requirements of healthy young men
- MO1RR-00068-11 0038 General clinical research center - Total body N turnover and protein synthesis and catabolism (human)
- ** MO1RR-00229-09 0047 General clinical research center - Urinary nitrogen-urea nitrogen ratio of protein nutrition in pregnancy (human)
- MO1RR-00318-08 0060 General clinical research center - Oxidized starch as an intestinal absorbent in uremia (human)
- ** MO1RR-00322-08 0028 General clinical research center - Trauma, wound healing and amino nitrogen (human)
- MO1RR-00633-02 0057 General clinical research center - Relationship of zinc and nitrogen metabolism to wound healing (human)
- ** MO1RR-00645-03 0041 Clinical research center - Control of nitrogen metabolism in pediatric patients
- MO1RR-00827-01 0006 General clinical research center - Effects of thyroid hormone on potassium balance (human)
- MO1RR-00828-01 0043 General clinical research center - Amino acid metabolism in uremia (human)

NITROGEN COMPOUNDS

SEE ALSO OXIDES, N-OXIDES

- RO1CA-04474-16 Synthesis and reactions of steroid-heterocycles
- RO1CA-07110-11 Highly strained nitrogen heterocycles
- RO1CA-10742-06 The chemistry of N-dihydropyrazoles
- PO1CA-12227-04 0013 Core program in carcinogenesis - Synthesis of carcinogenic compounds
- ** NO1CP-33315-01 Environmental occurrence of N-nitroso compounds
- ** PO1ES-00597-04 0001 Food-borne environmental toxicants - Nitrosation reaction products (yeast)
- ** RO1GM-18349-04 Photochemical synthesis of bioactive molecules
- ** RO1GM-21148-01 Natural abundance 15N NMR studies for biochemistry
- ** NO1HD-32735-02 Synthesis of novel nitroheterocycles

NITROGEN DIOXIDE

- RO1AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
- PO1CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- NO1CP-33260-04 Studies on pulmonary carcinogenesis (rats, hamsters)
- NO1CP-45622-00 Tobacco smoke constituents (animals)
- PO1ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
- PO1ES-00210-07 0030 Center for environmental management - Histopathology of lungs of rats
- PO1ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
- ** PO1ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)

- RO1ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- RO1ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
- ** PO1ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
- ** PO1ES-00628-04 0002 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to viral infections (mice)
- ** PO1ES-00628-04 0003 Pulmonary effects of environmental oxidant pollutants - Morphology of lungs exposed to oxidant pollutants (rats, monkeys)
- ** PO1ES-00628-04 0004 Pulmonary effects of environmental oxidant pollutants - Physiology of lungs exposed to oxidant pollutants (rats, monkeys)
- RO1ES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)
- ** RO1ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
- RO1ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
- ** RO1ES-00839-01 Nitrogen dioxide induced alterations in lung macrophage function
- M PO1ES-00842-02 Chronic obstructive lung disease
- PO1ES-00842-02 0001 Chronic obstructive lung disease - Ozone and nitrogen dioxide in experimental cold (rats)
- PO1ES-00842-02 0002 Chronic obstructive lung disease - Ultrastructure and cytochemistry of nitrogen dioxide and ozone exposed rat lungs
- PO1ES-00842-02 0003 Chronic obstructive lung disease - Pulmonary alveolar cell turnover (rats)
- ** PO1ES-00842-02 0005 Chronic obstructive lung disease - Vitamins E and A in pathogenesis of nitrogen dioxide induced lung disease (rats)
- RO1ES-00868-02 Effect low level air pollutants on human health
- RO1ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
- ** RO1ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
- ** RO1ES-01079-01 Response of fetal and postnatal lungs to O₃ and NO₂ (rats)
- P17HL-15061-03 0011 Response of lung to injury - Lung epithelium cell death, proliferation and differentiation after injury (mice)
- P17HL-15098-03 0001 Special center of research - Environmental lung disease - Sulfhydryl bond alteration (monkeys)
- P17HL-15098-03 0002 Special center of research - Environmental lung disease - Enzyme activity alteration (monkeys)
- ** P17HL-15098-03 0004 Special center of research - Environmental lung disease - NO-2 and O-3 effects on cell division in bronchioles and alveoli (monkeys)
- P17HL-15098-03 0005 Special center of research - Environmental lung disease - Blood chemistry and enzymes (human, monkeys)
- P17HL-15098-03 0006 Special center of research - Environmental lung disease - Histo- and cytopathology of lung tissue (monkeys)
- ** P17HL-15098-03 0007 Special center of research - Environmental lung disease - Ultrastructure studies (monkeys)
- P17HL-15098-03 0009 Special center of research - Environmental lung disease - Mechanical response of respiratory system to air pollutants (human, monkeys)
- ** P17HL-15098-03 0012 Special center of research - Environmental lung disease - Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys)
- RO1HL-15273-02 Metabolism of pulmonary surfactant (rats)
- RO1HL-15497-02 Factors affecting growth and function of lung (rats)
- RO1HL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke
- RO1HL-16330-02 Aging-tissue injury and repair
- PO1HL-16769-01 0001 Pathobiologic and host defense reactions in the lung - Endogenous hydrolytic enzymes in pulmonary injury (rabbits)

NITROGEN FIXATION

- ** RO1AL-00848-19 Biological fixation of nitrogen by microorganisms
- ** RO1AL-04865-12 Inorganic nitrogen metabolism (bacteria)
- ** RO1AM-03428-15 Mechanisms of nitrogen transfer and urea formation (birds, rats, cattle)
- RO1GM-12394-10 Components and pathways in biological oxidations (microorganisms, mammals, human)
- RO1GM-18357-05 Metal complexation of diazanes, oxygen, imidazole and flavins
- RO1GM-18528-13 Molecular basis for function of bacterial metalloproteins (iso plants)
- ** RO1GM-19948-05 Isocitrate dehydrogenase structure and activity (bacteria)
- RO1GM-21337-01 Molecular mechanisms of biological redox reactions (yeast, spinach)

NITROGEN 15 LABELED

SEE ISOTOPE LABELED, STABLE NITROGEN

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NITROGEN MUSTARD

SEE HALOALKYLAMINES, MECHLORETHAMINE

NITROGEN MUSTARDS

SEE HALOALKYLAMINES, NITROGEN MUSTARDS

NITROGEN MUSTARDS ARYL

SEE HALOALKYLAMINES, NITROGEN MUSTARDS ARYL

NITROGEN OXIDES

SEE ALSO NITRO GROUP (COMPOUNDS)

SEE ALSO NITROSO GROUP (COMPOUNDS)

SEE ALSO NITROUS OXIDE

SEE ALSO OXIDES, N-OXIDES

- NOIAM-32201-02 Efficiency of oxidized starch as intestinal absorbent in uremia (human)
- PIOES-00002-12 0004 Occupational and environmental health - Fire fighters
- ** PIOES-00210-07 0024 Center for environmental management - Intoxication by nitrogen oxides
- ROI1GM-19018-10 Nuclear resonance studies of molecular systems
- ROIHL-04457-16 Cellular aspects of active transport (fish)
- ROIHL-13132-03 Calorimetric studies of heme-protein ligand reactions (human, sheep, cattle)
- P17HL-15098-03 0003 Special center of research - Environmental lung disease - Cell division alterations (human, primates)
- P17HL-15098-03 0008 Special center of research - Environmental lung disease - Histo- and cytopathology of nasal and pharyngeal tissues (monkeys)
- ROIHL-15627-02 X-ray and chemical studies of metalloporphyrins
- ROIHL-15580-02 Isolation, structure and model reactions of heme A (cattle)
- ROI1OH-00352-05 Lung cell function in health and disease (human, rabbits)

NITROGEN RETENTION, AZOTEMIA

SEE ALSO KIDNEY DISORDERS, UREMIA

SEE ALSO TOXICOLOGY, POISONING, AMMONIA INTOXICATION

- ** ROI1AM-15144-03 Anemia, pancreatic atrophy, defined diets (rats, mice)
- ROI1AM-16905-01 Vitamin D action—Effect of minerals (dogs, rats, chickens)
- NOIAM-32201-02 Efficiency of oxidized starch as intestinal absorbent in uremia (human)
- PO1GM-16496-06 0053 Clinical pharmacology—Pharmacokinetics - Spleen-colony assay system for bone marrow and leukemia stem cells (mice)
- ROI1HD-07830-03 Prolactin secretions and its reproductive function (sheep)
- MO1RR-00032-14 0070 General clinical research center - Renin secretion in interstitial nephritis (human)
- MO1RR-00048-13 0005 Clinical center - Natural history of renal diseases (human)
- ** MO1RR-00050-13 0051 Wilson's disease - Sodium intake in azotemia (human)
- MO1RR-00060-13 0043 General clinical research center - Sodium intake and furosemide administration in hypertensive azotemia (human)
- MO1RR-00287-08 0059 General clinical research center - Protein binding in uremia (human)
- ** MO1RR-00305-08 0070 Clinical research center for children - Azotemic osteodystrophy

NITROGLYCERIN

SEE TRIOSE ALCOHOLS, NITROGLYCERIN

NITRO GROUP (COMPOUNDS)

ROI1CA-15082-01 Metabolism of potential carcinogens

NITROPHENOLS

SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS

INSECTICIDES, PARATHION

- PO1CA-13038-03 0047 Experimental therapeutics and cancer drug program - Dimethylnitrosamine and glucuronidation in perfused rat liver
- PO1CA-13038-03 0048 Experimental therapeutics and cancer drug program - Evidence of two pools of hepatic glucuronide (rats)
- PO1CA-13038-03 0049 Experimental therapeutics and cancer drug program - Drug metabolism in tumor-bearing animals
- PO1CA-13038-03 0050 Experimental therapeutics and cancer drug program - Altered glucuronyl transferase in rat hepatomas
- ** ROI1ES-00223-09 Comparative toxicology of certain pesticides (mice, human, algae, bacteria)
- P11GM-12675-10 0050 Biochemical toxicology and pharmacology - Glucuronide formation—Morphine and p-nitrophenol (human, cat, rodents)
- P11GM-15431-08 0042 Research center for clinical pharmacology and drug toxicology - Identification of p-nitroacetochol as a metabolite of p-Nitroanisol (rats)
- ROI1NS-01687-16 Neuropharmacology of the postsynaptic membrane (aplasia)
- NITROPHENOLS, 2,4-DINITROPHENOL**
- ROI1AI-03231-15 Structural basis of antibody specificity (mice, rabbits)
- ROI1AI-05660-11 Immunoglobulins and immune responses (birds)

- ROI1AI-06659-10 The structure of antibody molecules (mice, rabbits)
- ROI1AI-08778-06 Clonal analysis of the immune mechanism (mice)
- ROI1AM-16258-02 Mechanism of eccrine sweat gland function (human, cats, monkeys)
- ROI1AM-16497-02 0016 Normal and disordered thyroid hormone economy - Cellular proteins that bind thyroid hormones (human, rats)
- ROI1AM-16775-02 Sources of energy for renal sodium transport (rats)
- ROI1AM-17552-02 Effect of coenzymes on enzyme structure and function (swine)
- ROI1CA-06437-13 Molecular basis of radiation lethality (bacteria)
- ROI1ES-00560-03 Perinatal pesticide toxicity (mice, rats)
- ROI1GM-19734-02 Photoaffinity labeling of mitochondria by uncouplers
- ROI1HD-05914-02 Blastocyst expansion (rabbits)
- PO1HD-07328-01 0002 Experimental and theoretical studies of cell senescence - Senescence and spanning in Aneha and human cells in culture
- ROI1HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- PO1HL-12157-07 0034 Functions and mechanisms of cell membrane ion transport - Mechanisms of passive anion and cation transport (human, sheep)
- ROI1HL-13594-04 Studies of erythrocyte antigen site density (human, animals)
- ROI1HL-13921-03 Interaction between electrolytes and respiration (human, rats)
- ROI1NS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)

NITROPRUSSIDE SODIUM

SEE IRON CYANIDES, SODIUM NITROFERRICYANIDE

4-NITROQUINOLINE-N-OXIDE

SEE QUINOLINES, 4-NITROQUINOLINE-N-OXIDE

NITROSAMIDES

SEE AMIDES, NITROSAMIDES

NITROSAMINES

SEE AMINES, NITROSAMINES

NITROSO GROUP (COMPOUNDS)

- ROI1CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
- PO1CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ROI1CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- ** ROI1CA-14617-01 Thiamine mediated formation of hydroxamic acids
- NO1CM-43762-00 Synthesis of potential anticancer agents
- ** NO1CP-43255-00 Identification of human populations at risk from N-nitroso compounds
- ** NO1CP-43337-00 N-nitroso compounds and their precursors in the environment
- ** NO1CP-43338-00 N-nitroso compounds and their precursors in the environment
- ** NO1CP-43347-00 Development and application of methods for N-Nitroso compounds
- ** NO1CP-43348-00 Development and application of analytical methods for N-Nitroso compounds
- ** NO1CP-45623-00 Development and application of methods of N-nitroso compounds
- ** PO1ES-00597-04 0001 Food-borne environmental toxicants - Nitrosation reaction products (yeast)
- ** PO1ES-00597-04 0008 Food-borne environmental toxicants - Evaluation of environmental compounds (salmonella)
- ** PO1ES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals

NITROSOBENZENE

ROI1CA-14617-01 Thiamine mediated formation of hydroxamic acids

NITROSOCYSTIS

SEE BACTERIA, PSEUDOMONADALES, NITROBACTERIACEAE*

NITROSOGUANIDINE

SEE GUANIDINES, NITROSOGUANIDINE

NITROSOMONAS

SEE BACTERIA, PSEUDOMONADALES, NITROBACTERIACEAE*

NITROSOUREA, BIS(CHLOROETHYL)

SEE HALOALKYLAMINES, BCNU

NITROSOUREA, 1-(2-CHLOROETHYL)-3-CYCLOHEXYL-

SEE HALOALKYLAMINES, CCNU

NITROSOUREAS

SEE ALSO HALOALKYLAMINES, BCNU

SEE ALSO HALOALKYLAMINES, CCNU

- M ROI1CA-11224-06 Neurooncogenesis by resorptive carcinogens
- ROI1CA-11224-06 0001 Neurooncogenesis by resorptive carcinogens - Interactions of N-nitrosoureas with cellular components (rats)

- ROI1CA-11224-06 0002 Neurooncogenesis by resorptive carcinogens - In vitro transformation of glial cells by MNNU and ENU (rats)
- ** ROI1CA-11224-06 0004 Neurooncogenesis by resorptive carcinogens - N-nitrosoureas as possible activators of C type viruses (rats)
- ** ROI1CA-11224-06 0005 Neurooncogenesis by resorptive carcinogens - Virus-chemical cocarcinogenesis (cats)
- ROI1CA-12989-01 Immunological studies of experimental brain tumors (rats)
- PO1CA-14599-01 0039 University of Chicago Cancer Research Center - CNS carcinogenesis and development of animal models (rats, mice)
- NO1CM-43762-00 Synthesis of potential anticancer agents
- PO1ES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals

NITROUS ACID

PO1CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)

NITROUS OXIDE

- ROI1AM-16038-03 Structure, function and regulation of hydroxylases (bacteria, cattle)
- ROI1AM-17533-01 Metalloporphyrin-Heme protein model relationships
- ROI1CA-10337-08 0001 Spin labeling and membrane structure - Spin labeling as a quantitative tool for membrane structure
- PO2CA-11196-06 0007 Cancer research center - Drug action (mice)
- ** ROI1DA-00695-01 Subjective effects of nitrous oxide
- ROI1ES-01108-01 Effects of SO2 and respirable particulates on health
- PO1GM-09069-12 0073 Research in anesthesiology - Splanchnic circulatory control (cats)
- PO1GM-09069-12 0085 Research in anesthesiology - Pulmonary uptake of anesthetics in infants and children (human)
- PO1GM-09069-12 0112 Research in anesthesiology - Plasma D-tubocurarine concentration
- PO1GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
- PO1GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)
- PO1GM-15430-07 0016 Research in anesthesia - Cerebral blood flow (human, goats)
- ** PO1GM-15571-06 0067 Anesthesia research—Program project - Interaction of nitrous oxide with pressure induced by neon (mice)
- PO1GM-15571-06 0069 Anesthesia research—Program project - Chronic toxicity of general anesthetics in human hepatic cells
- PO1GM-15571-06 0071 Anesthesia research—Program project - Neuromuscular blocking agents (human)
- PO1GM-15571-06 0072 Anesthesia research—Program project - Comparative pharmacology of inhaled anesthetics
- PO1GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
- PO1GM-15904-07 0002 Anesthesiology center for research and teaching - Anesthetics and non-enzyme proteins, polypeptides and cellular components
- PO1GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation
- PO1GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- ROI1HL-04797-15 Pulmonary circulatory insufficiency (human, dogs, lambs)
- PO1HL-08899-10 0003 Oxygenation and oxygen effects in man - Inert gas exchange in the eye (human, dogs)
- ROI1HL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)
- ROI1HL-14436-03 Pulmonary oxygen toxicity (human, rabbits)
- ROI1HL-17691-01 Modification of lung immune responses (guinea pigs)
- ROI1NS-07730-06 Physiology of CNS afferent pathways (cats)
- ROI1NS-09870-02 Effects of anesthetics on cerebral metabolism (dogs)
- ROI1NS-09871-03 Anesthesia and the nervous system (cats)

NMN ADENYLYLTRANSFERASE

SEE NUCLEOTIDYLTRANSFERASES, ATP-NMN ADENYLYLTRANSFERASE

NMR

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, NMR*

NOCARDIA

SEE ACTINOMYCETALES, NOCARDIA*

NOCARDIA DENTOCARIOSUS

SEE ACTINOMYCETALES, ACTINOMYCETES DENTOCARIOSUS (contd)

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**Oriented significantly to above subject.

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NOCARDIOSIS

SEE ACTINOMYCETALES INFECTIONS, NOCARDIOSIS

NOCTUIDS

SEE ARTHROPODS, INSECTS, LEPIDOPTERA, NOCTUIDS*

NODES OF RANVIER

SEE NERVOUS SYSTEM, NEURONS, NODES OF RANVIER

NODULE INDUCING VIRUS (MICE)

SEE VIRUSES, ONCOGENIC, NODULE INDUCING VIRUS (MICE)

NOGALOMYCIN

SEE ANTIBIOTICS, NOGALOMYCIN

NOISE

SEE PHYSICAL PROPERTIES, SOUND, NOISE

NOISE BIOLOGICAL EFFECTS

SEE PHYSICAL PROPERTIES, SOUND, NOISE BIOLOGICAL EFFECT

NOMENCLATURE

SEE INFORMATION AND COMMUNICATION, NOMENCLATURE

NONAQUEOUS SOLVENTS

SEE PHYSICAL PROPERTIES, SOLVENTS, NONAQUEOUS

NONCHROMOSOMAL DNA, GENETICS, INHERITANCE

SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE

NONELECTROLYTES

SEE IONS, ELECTROLYTES, NONELECTROLYTES

NON-HISTONE NUCLEOPROTEINS

SEE NUCLEOPROTEINS, NON-HISTONE (GENERAL)

NONSPHEROCYTIC ANEMIA CONGENITAL

SEE BLOOD AND RE DISORDERS, ANEMIA HEMOLYTIC CONGENITAL, NONSPHEROCYTIC

NONVERBAL (PARALINGUISTIC) BEHAVIOR, COMMUNICATION

SEE INFORMATION-COMMUNICATION BEHAVIOR, PARALINGUISTIC BEHAVIOR

NORADRENALINE

SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NORBORNANES (AND RELATED COMPOUNDS)

SEE ALSO SULFONATES, TRIMETHAPHAN CAMPHORSULFONATE

** R01AM-07719-11 Polyhydroxycycloalkanes

NORBORNANES, CAMPHENES

P01ES-00049-10 0008 Mode of action and metabolism of organic toxicants - Toxaphene (rats, insects, plants, microorganisms)

NORBORNANES, CAMPHORR01AM-16038-03 Structure, function and regulation of hydroxylases (bacteria, cattle)
R01GM-18051-04 Heme protein reactions**NORBORNANES, MECAMYLAMINE**

P11GM-15477-08 0012 Drug metabolism and biochemical pharmacology - Drug transfer into the central nervous system and across the placenta (rats)

R01MH-23879-02 Drugs and memory (rats, mice)

R01MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)

R01NS-09971-02 Use and disuse of spinal pathways (cats, rats)

R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)

NOREPINEPHRINE

SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NORETHINDRONE

SEE PROGESTERONE ANALOGS, NORETHINDRONE

19-NORETHISTERONE

SEE PROGESTERONE ANALOGS, NORETHINDRONE

NORETHYNODREL

SEE PROGESTERONE ANALOGS, NORETHYNODREL

NORMETANEPRINE

SEE PHENYLALKYLAMINES, CATECHOLAMINES, NORMETANEPRINE

NORMOCYTIC ANEMIA

SEE BLOOD AND RE DISORDERS, ANEMIA NORMOCYTIC

NORMOTENSIVE HYPERALDOSTERONISM SECONDARY TO JUXTAGLOMERULAR HYPERPLASIA

SEE METABOLIC DISORDERS INBORN, BARTTER'S SYNDROME

NORSTEROIDS

SEE STEROIDS, NORSTEROIDS

A-NORSTEROIDS

SEE STEROIDS, A-NORSTEROIDS

B-NORSTEROIDS

SEE STEROIDS, B-NORSTEROIDS

19-NORSTEROIDS

SEE STEROIDS, 19-NORSTEROIDS

NORSYNEPHRINE

SEE PHENOLIC AMINES, OCTOPAMME

19-NORTESTOSTERONE

SEE ESTRANE SERIES, 19-NORTESTOSTERONE

NORTH AMERICA

SEE GEOGRAPHICAL SITES, N. AMERICA

NORTH AMERICANS

SEE SOCIAL GROUPS, ETHNIC, N. AMERICANS

NORTOFRANIL

SEE AZEPINES, DESIPRAMME

NORTRYPTYLIN

SEE CYCLOHEPTAMES, NORTRYPTYLIN

NOSE

SEE NASAL, NOSE

NOSE DISORDERS

SEE NASAL DISORDERS, NOSE DISORDERS

NOSEBLEED

SEE NASAL DISORDERS, EPISTAXIS

NOSEMA

SEE PROTOZOA, SPOROZOA, NOSEMA

NOTOCHORD NEOPLASMS

SEE NEOPLASMS, EMBRYONIC, CHORDOMA

NOVOBIOCIN

SEE ANTIBIOTICS, NOVOBIOCIN

4-NQ

SEE QUINOLINES, 4-NITROQUINOLINE-N-OXIDE

NSC-46015

SEE OXGLES, PYRAN COPOLYMER

NTA

SEE AMINO ACIDS, NTA

NUCLEAR ACIDIC PROTEINS

SEE NUCLEOPROTEINS, NON-HISTONE (GENERAL)

NUCLEAR FUSION, PARASEXUAL

SEE CELL PARASEXUALITY

NUCLEAR GAMMA RESONANCE SPECTROMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, MOSSBAUER*

NUCLEAR ICTERUS (JAUNDICE)

SEE JAUNDICE, KERNICTERUS

NUCLEAR MAGNETIC RESONANCE

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, NMR*

NUCLEAR MEDICINE (GENERAL)

SEE RADIOISOTOPE (NUCLEAR) MEDICINE (GENERAL)

NUCLEAR MEDICINE IN DIAGNOSIS

SEE RADIODIAGNOSIS, RADIOISOTOPE

NUCLEAR MEMBRANE

SEE CELL COMPONENTS, NUCLEAR MEMBRANE

NUCLEAR OVERHAUSER EFFECT

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, NMR*

NUCLEAR POWER

SEE ENERGY SOURCES, ATOMIC POWER

NUCLEAR TRANSPLANTATION

SEE CELL COMPONENTS TRANSPLANTATION

NUCLEASESR01AI-01071-18 *Corynebacterium diphtheriae* and its viruses

** R01AI-02353-16 Deoxyribonucleic acids and nucleases of bacteria (human)

R01AI-05371-12 The physiology of bacterial conjugation
R01AI-07946-08 Phage T4-infected *E. coli*-Heterocatalytic expression

** P01AI-08724-18 0003 Biology of streptococci - Nucleases

** R01AI-10514-03 An endonuclease synthesized by bacteriophage

** R01AI-11577-02 DNA regulation during T4 infection of *E. coli*

P02CA-06519-12 0095 Radiation therapy and biology research program - Effect of S1 nuclease on phi-X174 RF and other double-stranded DNA

P02CA-06519-12 0097 Radiation therapy and biology research program - Method of preparing large quantities of phi-X174 RF I

P02CA-06519-12 0104 Radiation therapy and biology research program - Regulation of developmental patterns in *D. discoideum*

R01CA-11208-06 Control of synthesis and function of nucleic acid (bacteria, bacteriophage)

M P01CA-12174-04 Growth and cell control processes

** P01CA-12174-04 0006 Growth and cell control processes - Nuclease associated with avian myeloblastosis virus DNA polymerase

R01CA-12411-04 Post-transcriptional control in eukaryotic cells (rats)

R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)

R01CA-12960-02 Synthesis and chemotherapy of nucleic acid analogs

R01CA-13058-03 Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)

R01CA-13175-03 RNA processing in tumor and transformed cells (rats, mice, cats)

P01CA-14193-02 0010 Comparative leukemia studies unit - Virion proteins

** R01CA-14448-02 DNA tumor viruses-Enzymology of polyoma DNA metabolism

R01CA-14670-02 Host functions related to tumor virus infection

P01CA-16038-01 0008 Program on the molecular basis of viral transformation - Molecular basis of genetic recombination (bacteria, viruses)

P01CA-16038-01 0012 Program on the molecular basis of viral transformation - Structure of herpesvirus genomes

P01CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression

R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)

R01FD-00201-04 Assay of staphylococcus and mycoplasma in foods

R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)

R01GM-14108-09 DNA synthesis and genetic recombination in *B. subtilis*R01GM-14621-08 Physico-chemical studies of nucleic acids (*E. coli*, *Drosophila*)

R01GM-15881-14 Enzymatic excision and repair mechanism

R01GM-16306-06 Organization and expression of the genome of bacteriophage T4 (*E. coli*)

R01GM-18649-16 Enzymatic synthesis of precursors of DNA (yeasts, bacteria)

R01GM-18831-03 DNA maintenance systems (fungi)

R01GM-18870-02 Biochemistry of genetic recombination (*E. coli*)

** R01GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)

R01GM-19422-03 Precursors, mutants, and function of tRNA (*E. coli*)

** R01GM-19455-02 Structure of a micrococcal nuclease (also cattle, human)

** R01GM-19907-02 NMR studies of selectively C-13 enriched proteins (plants, bacteria)

R01GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)

R01GM-20363-02 The mechanism and control of DNA replication (*E. coli*, mammals)

P01GM-21054-01 0007 Human genetics center - Biochemical evolution of functionally related enzymes

R01GM-21119-01 Biosynthesis of bacteriophage T4 transfer RNAs

R01HL-14678-03 C13 and N15 labeled enzymes-Synthesis and NMR study (cattle, bacteria)

** P07RR-00711-02 0001 High frequency NMR biotechnology resource - Protein folding and conformational transitions in proteins (bacteria)

NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

P01AI-12450-01 0001 Cyclic nucleotides in immunity - Lymphocyte activation (human, rats, mice)

P01AI-12450-01 0002 Cyclic nucleotides in immunity - Histamine release (rats)

P01AI-12450-01 0003 Cyclic nucleotides in immunity - Phagocytosis (guinea pigs, human)

R01AM-07215-10 Hormonal regulation of hepatic glucose production (rats)

** R01AM-16367-01 Cyclic nucleotide phosphodiesterase (rat liver)

R01AM-17772-01 Quantitative histochemistry of gastric acid secretion (rats)

P01CA-13330-03 0032 Cancer research program - Cyclic AMP and protein kinase (hamster, cattle, bacteria)

P01CA-13330-03 0056 Cancer research program - Cell growth and morphogenesis (fungi)

P01CA-13526-03 0002 Correlated study of metabolic regulation in neoplasia - Role of cyclic AMP in regulation of metabolism in neoplastic tissues

R01CA-15883-01 Agents inhibiting phosphodiesterases of cancer cells (mice, human)

(contd)

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- PO1CA-16228-01 0004 Cell membrane in proliferation and oncogenesis - Cyclic GMP control of proliferation and cell function (mice, human)
- RO1CA-17038-01 Postnatal determination of the submandibular gland (rats)
- NO1CB-33919-02 Role of prostaglandins in mammary gland neoplasia (mice)
- RO1EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- RO1EY-01167-02 Studies in glaucoma and related diseases (human)
- PO1GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycomycetes (*Blastocystisella emersonii*)
- ** RO1GM-21361-01 Biologic role of cyclic nucleotide phosphodiesterase (rodents, chick embryo)
- ** RO1HD-06868-02 Biochemical aspects of male sexual maturation (rabbits, rats, human)
- ** PO1HD-08338-01 0006 Control of male reproduction - Cyclic nucleotide phosphodiesterase isozymes, ornithine decarboxylase in testis
- R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
- ** RO1NS-10490-01 Metabolism of cAMP in brain (human)
- ** RO1NS-11340-01 Control of cyclic nucleotide phosphodiesterase (pigs)
- NUCLEASES, 2':3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE**
- RO1NS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
- NUCLEASES, DEOXYRIBONUCLEASE**
- RO1AI-00328-23 Genetic investigations in yeast-Saccharomyces
- RO1AI-02353-16 Deoxyribonucleic acids and nucleases of bacteria (human)
- ** RO1AI-04479-13 Protein synthesis following bacteriophage infection
- PO1AI-07007-09 0016 Immunopathologic studies - Autoimmune manifestations (NZ mice, human)
- RO1AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
- ** RO1AI-07875-08 Mechanisms of prophage integration and recombination (bacteria)
- RO1AI-10492-03 Virulence of *Corynebacterium diptheriae*
- RO1AI-11054-01 Genetic functions and continuity of RNA-DNA hybrids (bacteria)
- PO2CA-06519-12 0094 Radiation therapy and biology research program - In vitro synthesis of phi-X174 single-stranded DNA
- RO1CA-11637-04 DNA replication in normal and tumor cells (rats)
- ** RO1CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
- PO1CA-12708-03 0006 Studies of normal and malignant growth - Regulation of DNA synthesis in normal and cancer cells (human, rats)
- PO1CA-12708-03 0010 Studies of normal and malignant growth - Chromatin structure in eukaryotic cells (human)
- RO1CA-13449-02 Antitumor components from animal venoms (mice)
- RO1CA-15187-01 DNA synthesis-Regulation in normal and cancer cells (rat liver)
- RO1CA-15915-01 A molecular probe for the study of DNA replication (bacteria)
- ** RO1DE-02120-10 Salivary gland DNases (rats)
- PI3DE-02600-08 0004 Planning of a research center in oral biology - Control of the formation of cell-specific proteins (rats)
- RO1EY-01292-01 Histochemical changes in experimental cataracts (rabbits)
- RO1GM-06196-15 Genetic recombination and viral DNA synthesis
- ** RO1GM-07256-15 Chemical structure and enzyme activity of proteins (cattle)
- RO1GM-13728-09 Enzyme induction and subsequent inactivation (rats)
- RO1GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
- ** RO1GM-14595-08 0005 Continuity of cellular organelles - Chloroplast enzymes synthesized outside the chloroplast (*Euglena*)
- RO1GM-16298-06 Molecular and genetic studies (*Drosophila*)
- ** RO1GM-16603-06 Chemical studies on pancreatic deoxyribonuclease
- ** RO1GM-17329-05 Genetic and biochemical studies of recombination (*E coli*)
- RO1GM-18533-04 Methods for the sequence analysis of DNA (bacteria, beans, mammals)
- PO1GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- RO1GM-19719-02 Control of cell division (human, mice)
- RO1GM-20361-01 Recombination proficiency in *Drosophila melanogaster*
- RO1GM-20687-01 Modified DNA and gene therapy (mammals, bacteriophage)
- ** PO1GM-20927-01 0003 Sequence structure of eukaryotic genome - Single and double strand specific nucleases for DNA fractionation
- ** RO1GM-21073-01 The molecular mechanism of genetic recombination (*E coli*)
- RO1GM-21095-01 DNA metabolism in eukaryotes (green algae)
- NUCLEASES, DEOXYRIBONUCLEASE II**
- PO1GM-21054-01 0007 Human genetics center - Biochemical evolution of functionally related enzymes
- NUCLEASES, ENDONUCLEASES (GENERAL)**
- RO1AI-08161-07 Replication and recombination in bacterial viruses
- RO1AI-10238-04 DNA metabolism in virus infected bacteria (T7 phage, *E coli*)
- PO2CA-06519-12 0108 Radiation therapy and biology research program - Role of UVRC gene product in excision repair of UV-irradiated *E coli*
- PO1CA-10815-06 0025 Consolidated basic cancer research program - Cell-free system to study viral DNA (monkeys)
- ** RO1CA-11322-06 Nucleic acid function in relation to cancer (*E coli*, animals)
- RO1CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
- RO1CA-12693-03 Modification of x-ray induced damages in phage T4
- PO1CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
- PO1CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
- PO1CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
- ** RO1CA-14799-01 Role of a human cell endonuclease in repair of DNA
- ** RO1CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- RO1CA-15187-01 DNA synthesis-Regulation in normal and cancer cells (rat liver)
- RO1CA-15941-01 Simian virus 40 DNA
- PO1CA-16038-01 0004 Program on the molecular basis of viral transformation - Viral genetic information in SV-40 transformed cells (human, monkeys, mice)
- PO1CA-16038-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids
- PO1CA-16038-01 0012 Program on the molecular basis of viral transformation - Structure of herpesvirus genomes
- PO1CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
- RO1CA-17123-03 Membrane active inhibitors of DNA replication (bacteria)
- RO1GM-07768-14 Enzymatic activation mechanisms (*E coli*)
- ** RO1GM-14378-08 Mechanisms of the restriction and modification of DNA (bacteria)
- RO1GM-15881-14 Enzymatic excision and repair mechanism
- RO1GM-19010-03 DNA repair in *Escherichia coli* and *Bacillus subtilis*
- RO1GM-19051-03 Gene restriction and recombination (bacteria)
- RO1HD-04015-06 Regulation of gene expression in development (sea urchins, slime molds)
- NUCLEASES, EXONUCLEASES (GENERAL)**
- PO1CA-16038-01 0008 Program on the molecular basis of viral transformation - Molecular basis of genetic recombination (bacteria, viruses)
- PO1CA-16038-01 0012 Program on the molecular basis of viral transformation - Structure of herpesvirus genomes
- PO1CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
- NUCLEASES, RIBONUCLEASE**
- R22AI-01636-17 Acquired immunity in tuberculosis (mice, guinea pigs, monkeys)
- RO1AI-06712-10 Staphylococcal metabolism (fungi)
- RO1AI-09743-04 Antibody plaques in immunologic investigations (birds, mice, rabbits)
- RO1AM-01128-18 ACTH, its receptors, antagonists and mode of action (cattle)
- RO1AM-01260-18 Synthetic enzymes and solid phase peptide synthesis
- RO1AM-01549-18 Action of B vitamins in enzymic catalysis
- PO1AM-03564-15 0025 Mesenchymal tissues and their diseases - Biosynthesis of glycoproteins
- ** RO1AM-03942-15 Crystal structure of ribonuclease (cattle)
- ** RO1AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- ** RO1AM-14307-05 Structure and function of pancreatic enzymes (cattle, pigs)
- RO1AM-16184-03 Effects of organ storage on renal RNA metabolism (mice)
- RO1AM-16262-02 Epidermal macromolecular metabolism
- ** RO1CA-10419-06 Different responses of cells to glucocorticoids (rats, mice, human)
- PO1CA-10893-06 0004 Cancer Research Center - Low molecular weight nuclear RNA
- RO1CA-12404-04 Oncolysis by tumor antibody-diphtheria toxin conjugates (mice, guinea pig, human)
- PO1CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
- RO1CA-13449-02 Antitumor components from animal venoms (mice)
- ** PO1CA-14733-02 0018 Control of gene expression, virus replication and cell growth - Ribonuclease activity and TTP synthesis (rats)
- RO1CA-15389-01 Fate of RNA in malignant and normal cells (mice, *Xenopus*)
- RO1CA-15613-01 Translation of RNA virus messengers (*E coli*, oncogenic viruses)
- ** RO1CA-16312-01 Avian DNA polymerase-RNase H enzymes (RNA virus)
- RO1CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells)
- RO1CA-16913-01 Processing of RNA in eucaryotic cells (HeLa cells, fungi)
- ** RO1DE-02120-10 Salivary gland DNases (rats)
- PI3DE-02600-08 0004 Planning of a research center in oral biology - Control of the formation of cell-specific proteins (rats)
- PI3DE-02668-08 0022 Dental research center - Growth mechanisms
- RO1DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- RO1ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)
- ** RO1GM-07256-15 Chemical structure and enzyme activity of proteins (cattle)
- RO1GM-07966-14 Chemistry of unsymmetrical aliphatic disulfides
- ** RO1GM-10025-12 X-ray analysis of protein structure and function (bacteria)
- ** RO1GM-10692-12 Biophysical studies on macromolecules (*E coli*, yeasts)
- RO1GM-10880-15 Optical rotatory power of biopolymers
- ** RO1GM-11071-12 Free energy of folding of globular proteins (human)
- RO1GM-13292-10 Kinetics of physiologically important reactions (rabbits, bacteria, cattle)
- RO1GM-13728-09 Enzyme induction and subsequent inactivation (rats)
- PO1GM-14546-08 0050 Influence of acute illness and injury on energy - Plasma and urine ribonuclease as an indicator of nutritional status (human)
- RO1GM-14603-08 Structure and interactions of proteins in solution
- PO1GM-15003-13 0019 The biological functions of metals - Chemical approaches to enzyme action
- RO1GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)
- RO1GM-15792-08 0001 Structure and relations of proteins and nucleic acids - DNA-protein interactions (bacteria)
- PO1GM-16593-06 0001 Tissue portions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- ** RO1GM-16726-05 Active center studies of enzymes (kangaroos, turtles, deer, yeast)
- ** RO1GM-17575-03 Pentavalent phosphorus intermediate in RNase A
- RO1GM-18586-03 Nucleotide sequencing methods for oncogenic viruses
- RO1GM-18725-03 Thermodynamic character of protein conformation (bacteria)
- RO1GM-18814-03 Kinetics and mechanisms of protein self-assembly (children, cattle)
- ** RO1GM-19084-03 Ribonuclease inhibition by inducing agents (rats, mice)
- RO1GM-19195-02 RNA sequence analysis and base-specific antibodies
- ** RO1GM-19698-02 Degradative reactions in spore germination
- ** RO1GM-19821-01 Genetics of ribonucleases and RNA degradation (*E coli*)
- RO1GM-19988-14 0001 Physical studies of nucleic acids and proteins - Kinetic studies of intermediates in protein folding
- RO1GM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
- RO1GM-20117-11 Fast photosensitized reactions of aromatic compounds (human)
- RO1GM-20195-17 Interactions of nucleotide and proteins
- RO1GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- ** RO1GM-21111-02 Study of biomolecules by magnetic resonance methods
- RO1GM-21357-01 Processing and turnover of cell nuclear RNA (human)
- R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
- PO1HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- RO1HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
- ** RO1HD-08434-01 0003 Metabolic studies of parenteral nutrition in infants - RNase as assessment of nutritional status

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly in above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HL-06374-14 0002 Expansion of research in a hematologic center - Erythroid differentiation and protein synthesis (mice, cattle)
- R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)
- R01HL-14678-03 C13 and N15 labeled enzymes-Synthesis and NMR study (cattle, bacteria)
- ** R01NS-09639-04 Enzyme systems in the brain (cattle, human)
- ** R01NS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
- P07RR-00292-09 NMR facility for biomedical studies

NUCLEIC ACID-AMINO ACID COMPLEXES

(PEPTIDE SYNTHESIS)

SEE AMINO ACYL NUCLEOTIDES

SEE AMINO ACYL TRNA

NUCLEIC ACID STRUCTURE

SEE NUCLEIC ACIDS STRUCTURE

NUCLEIC ACIDS

SEE ALSO NUCLEOPEPTIDES

SEE ALSO NUCLEOPROTEINS

SEE ALSO NUCLEOTIDES

- R01AI-00742-20 Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tsa tse fly)
- R01AI-02830-15 Bacterial cysts and bacterial survival
- R01AI-06720-09 Antigen composition of Mycoplasma pneumoniae
- ** R01AI-06860-09 Immunochemical studies of nucleic acids
- R01AI-09765-05 Mechanism of infection of insect viruses (lepidopteran)
- R01AI-10845-20 Virus structure and growth in cultured cells
- R01AI-11101-02 Regulation of the immune response by persisting antigen
- R01AI-11265-02 Etiology of viral hepatitis (human, goats, guinea pigs)
- R01AI-11272-02 Human interferon-induction and structure
- P01AI-11576-02 0002 Lymphocyte biology - Lymphocyte membranes (mice)
- R01AI-11636-01 Normal and virus-infected animal cells
- P01AM-05996-13 0008 Biochemistry of connective tissues - Differentiation of cartilage (chick embryo)
- ** R01AM-08368-16 Fine structure and cytochemistry of epidermis (human)
- R01AM-08845-10 Research in biochemistry
- R01AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
- R01AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- R01AM-11295-08 Physical studies of biological macromolecules
- R01AM-11414-08 Immunochemistry of immune complexes in disease (human)
- R01AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
- R01AM-14781-04 Gastrin action, synthesis and secretion (human, dogs, rats, frogs, swine)
- R01AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
- R01AM-15186-06 Regulation of pyrimidine biosynthesis in the rat
- R01AM-16457-01 Purification and biochemistry of sulfation factor
- P02CA-06973-12 0030 Integrated clinical cancer research program - Pharmacology (rats)
- P01CA-07175-11 0003 Cancer research at the McArdle laboratory - Carcinogenesis in organ culture (mice)
- R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- R01CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- P01CA-10815-06 0049 Consolidated basic cancer research program - Macromolecular synthesis as a function of nutrient levels (human)
- R01CA-11224-06 0001 Neurooncogenesis by repressible carcinogens - Interactions of N-nitrosoureas with cellular components (rats)
- ** R01CA-11349-06 Platinum compounds-A new class of anti-tumor agents (mice)
- R01CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- ** P02CA-12197-03 0008 Multidisciplinary oncology research center - Nucleic acid methylases in normal and neoplastic human tissues
- R01CA-12205-03 Preparation and properties of showdomycin analogs
- P01CA-12227-04 0008 Core program in carcinogenesis - Enzymatic induction by corticosteroids (rats)
- R01CA-12316-04 Alkylation of polynucleotides in vitro and in vivo
- R01CA-12448-04 Effect of progesterone on prostate size and morphology (human)
- P01CA-12536-04 0005 Effects of small doses of ionizing radiation - Dependence of chromosome injury on radiation quality

- P01CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
- ** R01CA-13179-03 Role of altered nucleic acid in carcinogenesis (sheep)
- P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
- R01CA-13370-03 ESR study on hydrocarbon radicals and carcinogenesis
- ** R01CA-13604-03 Selected studies in nucleic acid metabolism
- R01CA-13802-02 Analogs of deoxyimino as potential antitumor agents
- R01CA-14434-02 Molecular basis for radiation sensitization
- R01CA-14511-02 Photosynthesis of antiviral and antitumor drugs
- P01CA-14733-02 0023 Control of gene expression, virus replication and cell growth - Protein-nucleic acid interactions (mammals)
- R01CA-14980-01 Polycyclic carcinogen-nucleic acid interactions
- R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
- R01CA-17131-07 Regulation of pyrimidine biosynthesis in the rat
- ** N01CB-43904-00 Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman)
- N01CP-23234-02 Development of a tissue culture transformation system (rats)
- ** N01CP-33226-02 Laser light scattering studies on nucleic acids, nucleoproteins and viruses
- ** R01DA-00111-02 Chronic THC-Effects of brain development (mice)
- P01ES-00044-10 0003 Mechanisms of pesticide action - Action and metabolism of herbicides (plants, mammals nonhuman)
- R01EY-00268-11 Transport processes in ocular tissues (cattle, rabbits)
- R01FD-00675-01 Ultrasonic radiation of nucleic acid and components
- R01GM-05472-16 MS methods in protein and nucleic acid chemistry
- ** R01GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- R01GM-08710-13 Sequence of amino acids in proteins by computer aids
- R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
- ** P01GM-13901-08 0002 Analytical biochemistry for human studies - Mass spectrometry of nucleic acids
- R01GM-13939-09 Purine-pyrimidine crystalline complexes (E coli)
- R01GM-14082-08 Bioacylation systems and related structural studies
- ** P01GM-14604-08 0010 Anaerobic bacteriological research program - Nucleic acids
- R01GM-14607-08 Chromosome structure and genetic function (Drosophila, plants)
- ** R01GM-16066-07 Nucleic acid chemistry and its biomedical application
- ** R01GM-17371-04 Molecular geometries of nucleic acids
- ** R01GM-17378-05 X-ray studies of the constituents of nucleic acids
- ** R01GM-18348-03 Mutagenic mechanisms
- R01GM-18632-03 Structures of nucleic acids and related molecules
- R01GM-19134-08 Organic molecules with diamond-like structures
- R01GM-19221-02 Electrophoresis in biomedical system (cattle)
- R01GM-20610-01 Fluorescence of nucleic acids and bases at room temperature
- R01GM-21034-01 Electrochemistry and interfacial behavior of purines
- R01HD-00486-19 Studies in human genetics
- R01HD-04364-12 A developmental study of the stress response (rats)
- R01HD-05093-12 Ion transport during development of Rana pipiens eggs
- ** R01HD-06362-03 Nucleotide metabolism in the decidua uterina (mice)
- P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- R01HD-06419-03 Hormonal control of lactogenesis (rats)
- P01HD-07495-02 0017 Center for population research, studies in reproductive biology - Hormonal regulation of gene expression (chickens)
- ** R01HL-10042-09 Steroidal regulation of active sodium transport (beads)
- R01HL-13317-04 Cellular mechanisms in cardiac hypertrophy (rabbits, calves)
- P18HL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
- R01MS-09471-02 Folic acid deficiency and brain development (mice, rats)

- R01NS-10072-02 Interactive computer graphics
- P01NS-11631-01 0006 Clinical center for research on Parkinson's and allied diseases - Metabolism of polyamines in the CNS (human)
- P0RRR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- P07RR-00356-08 Physical sciences instrumentation facility
- P07RR-00542-04 NMR spectrometer facility

NUCLEIC ACIDS, DNA

- SEE ALSO CELL COMPONENTS, MITOCHONDRIAL DNA (INHERITANCE)
- SEE ALSO GENETICS, EXTRACHROMOSOMAL INHERITANCE
- SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
- SEE ALSO NUCLEOPROTEINS, DEOXYRIBONUCLEOPROTEINS
- ** R01AI-01218-18 The mechanism of bacterial transformation (yeasts)
- R01AI-01863-17 Cell differentiation in precaryotic organisms (bacteria)
- ** R01AI-02353-16 Desoxyribonucleic acids and nucleases of bacteria (human)
- R01AI-02951-13 Biochemistry of entatic amoeba and related organisms
- ** R01AI-03170-15 Desoxyribonucleates determining drug resistance (bacteria)
- R01AI-03242-13 0001 Genetics, structure, and function of bacterial pH - Infections transfer and replication of sex viruses (bacteria, bacteriophage)
- R01AI-03242-13 0002 Genetics, structure, and function of bacterial pH - Sex pilus properties (bacteria)
- R01AI-03242-13 0003 Genetics, structure, and function of bacterial pH - Control of infectious drug resistance (bacteria, bacteriophage)
- R01AI-03242-13 0004 Genetics, structure, and function of bacterial pH - Adsorption, eclipse, and penetration of phages (bacteria)
- R01AI-05173-10 Genetic control of capsule production in Pneumococcus
- R01AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- R01AI-06429-09 Genetic evolution of bacteriophage
- R01AI-06844-09 Biosynthesis of viral RNAs
- R01AI-06871-09 Characterization of Mycoplasma and bacterial L forms (mice)
- P01AI-07007-09 0016 Immunopathologic studies - Autoimmune manifestations (NZ mice, human)
- R01AI-07107-07 Host-controlled variation and transduction with T1
- R22AI-07772-08 Biochemistry of Vibrio cholerae virulence
- R01AI-08190-07 Modes of action of antimycobacterial agents
- ** R01AI-08325-06 Basis of the antibiotic action of the mitomycins
- R01AI-08427-06 The physical structure of viruses
- P01AI-08724-18 0003 Biology of streptococci - Nucleases
- R01AI-06738-06 Control mechanisms in phage-host cell interactions
- R01AI-08937-06 Stable virus-cell associations (bacteria)
- ** R01AI-08998-06 Phage Phi X-174-Genetics and DNA chemistry (mammals, sea urchins, Drosophila)
- R01AI-09044-06 Phi X 174 coat proteins
- R01AI-09098-06 Drug resistance in Mycobacterium tuberculosis
- R01AI-09117-06 Transformations in Pneumococcus and streptococcus
- R01AI-09238-06 Biochemistry and genetic control of virus assembly
- R01AI-09315-10 Protein synthesis in bacteria
- R22AI-09330-05 Reproduction in schistosomes
- R01AI-09392-05 E coli mutator genes (also slime molds)
- R01AI-10142-04 Factors that control RNA transcription (bacteria, bacteriophage)
- R22AI-10288-03 Lymphocytes, macrophages, and leprosy (human)
- R01AI-10610-03 Protein metabolism in yeast
- R01AI-10619-03 A protein with repressor-like properties (bacteriophage, bacteria)
- R01AI-10944-03 Uptake of polynucleotides and interferon production
- ** R01AI-10972-01 Integration of transforming DNA
- R01AI-11152-01 Viruses and maternal inheritance in Neurospora crassa
- R01AI-11301-02 Protein synthesis in T-4 bacteriophage-infected cells (E coli)
- ** P01AI-11312-02 0003 Humoral, cellular and genetic mechanisms in autoimmunity - Circulating DNA in systemic lupus erythematosus and nephritis (human)
- ** R01AI-11318-01 Early extracellular events in DNA infection (bacteria)
- R01AI-11366-02 Cell response to coccidioidal antigens (guinea pigs)
- R01AI-11413-02 Multiple drug resistance of Neisseria gonorrhoeae
- ** R01AI-11577-02 DNA regulation during T4 infection of E coli
- R01AI-11636-01 Normal and virus-infected animal cells
- R01AI-11709-01 Biology of gonorrhea
- ** R01AI-11980-01 Immunological tolerance to DNA in murine lupus nephritis (mice)
- P01AM-03564-15 0012 Mesenchymal tissues and their diseases - Role of nerve in organogenesis

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
 **Oriented significantly to above subject.
 † Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- POIAM-03564-15 0015 Mesenchymal tissues and their diseases 2 Antigen sequential pulse labeling of lymphocytes
- ROIAM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- ROIAM-04256-14 Energy transfer in biological systems (virus, rats, human)
- ROIAM-04826-14 Abnormal proteins in the pathogenesis of disease (human, aspergillus)
- ROIAM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- POIAM-09001-10 0039 Biochemistry and immunology of blood diseases - Determination of nucleotide sequence by dinucleotide assay
- ** ROIAM-10785-18 Abnormal nucleic acids in aplastic anemia (cattle)
- ROIAM-12198-08 Nuclear antigens in systemic lupus erythematosus (human, rabbits)
- ROIAM-12484-06 Intestinal resection and mucosal carbohydrate metabolism (human, rats)
- ROIAM-13221-06 Iron metabolism and absorption (mice, rats)
- ROIAM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli)
- ROIAM-13721-05 Renal injury in systemic lupus erythematosus (human)
- ROIAM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
- ROIAM-13929-04 Normal and psoriatic epidermal cell division (human, rats)
- ** ROIAM-14887-07 0003 Pathophysiology and chemotherapy in psoriasis and cancer - Biochemical DNA synthesis pathways in skin
- ROIAM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- ** ROIAM-15258-05 Physiological regulation of small gut secretion (dogs)
- ROIAM-15467-03 Transfer RNA and hemoglobin synthesis - tRNA methylation (human, rabbits)
- ROIAM-15544-03 Erysipelothrix model of rheumatoid arthritis etiology (swine, rabbits)
- ROIAM-15714-03 Antigen-antibody complexes in rheumatoid arthritis (human, rabbits)
- ROIAM-16002-02 DNA repair mechanism in systemic lupus erythematosus (mice)
- ** ROIAM-16702-02 Role of erythropoietin in transcriptional control (mice)
- ROIAM-16865-02 Isolation of proinsulin mRNA (hamsters)
- ROIAM-16936-01 Somatomedin effects on chondrocyte tissue (rats)
- P17AM-17026-01 0028 Vanderbilt University Diabetes-Endocrinology Center - Nature and origin of somatomedin
- ROICA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
- ** ROICA-02373-19 Nucleoside and nucleotide derivatives
- ROICA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
- ROICA-03287-16 Chemotherapy of experimental mouse tumors
- ** ROICA-05295-14 0001 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA biosynthesis (mice)
- ROICA-05295-14 0006 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on repair mechanisms in sensitive and resistant cells
- ROICA-05687-14 Genetics of radiation and radiomimetic agents (microorganisms)
- ROICA-05790-13 Cytology of viral neoplasms in fish
- PO2CA-05826-13 0073 Clinical cancer research center - Kinetic behavior of brain tumor cells (human)
- PO2CA-05831-13 0014 Cancer clinical research - Treatment of advanced melanoma
- PO2CA-05834-13 0038 Cancer clinical research center - Pharmacology of cancer drugs
- ** PO2CA-06519-12 0004 Radiation therapy and biology research program - Biological evidence for repair of psoralen cross-links in bacterial cells
- ** PO2CA-06519-12 0085 Radiation therapy and biology research program - Single-stranded DNA bacteriophage and animal viruses
- PO2CA-06519-12 0100 Radiation therapy and biology research program - Control of gene expression in T7-phage-infection cells
- PO2CA-06519-12 0104 Radiation therapy and biology research program - Regulation of developmental patterns in *D. discoideum*
- PO2CA-06519-12 0105 Radiation therapy and biology research program - Cross-links between strands produced by psoralen and near ultraviolet light
- PO2CA-06519-12 0107 Radiation therapy and biology research program - Isolation and characterization of an RNA polymerase binding site
- ROICA-06654-12 Virus-induced neoplastic conversions
- ROICA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
- POICA-06927-12 0001 Biological and biochemical program in cancer research - Structure of bacterial envelopes
- POICA-06927-12 0027 Biological and biochemical program in cancer research - Chromosomal and gene replication (*Drosophila*)
- POICA-06927-12 0028 Biological and biochemical program in cancer research - Relation of chromosome structure to gene function in *Drosophila*
- PO2CA-06973-12 0029 Integrated clinical cancer research program - Cell metabolism-Prostatic growth and effects of acidic polymers (rats, mice)
- POICA-07175-11 0001 Cancer research at the McArdle laboratory - Mechanism of mouse tumor skin formation
- POICA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)
- ROICA-07522-10 Cofactor inhibition of thymidylate synthetase
- ** ROICA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- ROICA-07803-11 Biologically-active fatty acid derivatives
- ** ROICA-08128-09 Effects of alkylation on DNA (bacteria)
- ROICA-08231-10 0004 Radiobiology research program - Radiosensitivity and chromosomal volume (mammals, amphibians, plants)
- ROICA-08290-09 Chemotherapeutic deoxynucleosides and other agents
- ROICA-08373-09 Factors controlling cellular proliferation (mice)
- ** ROICA-08416-09 Control of transcription and translation in mammalian cells
- PO2CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Luche tumor (frogs)
- ** POICA-08748-09 5504 Research program of Sloan-Kettering Institute - Incorporation of 3H-BUDR into DNA of sea urchin eggs
- POICA-08748-09 5733 Research program of Sloan-Kettering Institute - Nicotinamide adenine dinucleotide glycohydrolase (mice)
- POICA-08748-09 6601 Research program of Sloan-Kettering Institute - RNA as a primer-template using DNA polymerase (E coli)
- POICA-08748-09 7412 Research program of Sloan-Kettering Institute - Inhibition of protein biosynthesis by catabolizing enzyme (mice, rats)
- ROICA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
- ROICA-10665-07 Base analogs and template activity (bacteria)
- ROICA-10666-07 0001 Molecular pharmacology of tumor and virus inhibitors - Anthramycin (E coli)
- ROICA-10844-06 Comparative histogenesis of hair and squamous skin (reptiles, cyclostomes, mice)
- ** ROICA-10872-07 Histone interactions and conformation studies
- POICA-10893-06 0001 Cancer Research Center - RNA section (human, rats)
- ROICA-10979-06 Glycosylase inhibitors as potential anticancer agents (bacteria, mice)
- ** ROICA-11027-06 Transcription and translation in poxvirus infected cells
- ROICA-11155-06 Salivary gland hyperplasia and hypertrophy
- ** PO2CA-11265-05 0038 General clinical cancer research center - DNA unwinding proteins
- ROICA-11322-06 Nucleic acid function in relation to cancer (E coli, animals)
- ROICA-11479-05 Nucleolar pathology and molecular carcinogenesis (mice)
- ROICA-11526-05 The tumor-inducing substance of *Agrobacterium tumefaciens*
- PO2CA-11602-05 0004 Research and clinical radiation center - Use of luciferase in cell cycle analysis
- ROICA-11673-05 Lysogeny and phage P1
- ROICA-11799-04 Pathology of the nucleolus in experimental carcinogenesis (rats)
- ROICA-11811-09 Pharmacology of derivatives of natural compounds (mice, rats)
- ROICA-11890-05 Reactions of azidoquinones with nucleophiles
- ROICA-11946-05 Carcinogenicity and metabolism of 5-nitrofurans (rats, mice, hamsters)
- ROICA-12026-05 DNA cysteamine, DNA-N ethylmaleimide studies by ESR (bacteria)
- ** ROICA-12067-04 Electron microscopic and cytochemical studies of DNA (human, rats)
- ROICA-12073-04 Chromatin in normal and pathological liver cells (rats)
- ROICA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
- ROICA-12133-03 Restoration of bacterial chromosome from UV-damage (microorganisms)
- ROICA-12166-02 Brain tumor micro-chemistry and chemotherapy
- ** POICA-12174-04 0003 Growth and cell control processes - DNA binding proteins in mammalian cells
- POICA-12174-04 0012 Growth and cell control processes - Direction of replication in mammalian chromosomes
- ** POICA-12174-04 0013 Growth and cell control processes - Size of DNA in mammalian chromosomes
- ROICA-12210-14 Cellular control mechanisms (mammals)
- ROICA-12429-03 Molecular mechanisms of drug action (*Bacillus subtilis*)
- ** ROICA-12447-04 Biological and physical action of radiation on DNA (bacteria)
- ROICA-12540-03 Electro-optic instrumentation and applications in biology
- ROICA-12627-05 Polynucleotides and nucleic acids (bacteria)
- ROICA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
- POICA-12662-03 0004 Cancer research center - Proliferation and differentiation of stem cells (mice, rabbits)
- ROICA-12668-03 Pathology of the nucleus and chromosomes in cancer (human)
- ** ROICA-12717-03 The interaction of 4NQO and DNA (*Bacillus subtilis*)
- ROICA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
- ROICA-12763-03 Mutation repair and environmental carcinogens
- ** ROICA-12784-03 Circular DNA-implications for cancer and drug resistance
- ROICA-12791-03 Pharmacology of platinum compounds (mice)
- ROICA-12836-03 Biochemical basis of hormone responsiveness in breast (human, rats)
- ROICA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
- PO2CA-12924-03 0036 Tufts cancer research center - Premutational temperature-sensitive mutants of SV40
- ROICA-12951-02 Mechanisms of binding of chromomycins to DNA
- ROICA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
- POICA-13038-03 0058 Experimental therapeutics and cancer drug program - Metabolism of N6-isopentenyl adenosine in rat liver
- POICA-13038-03 0060 Experimental therapeutics and cancer drug program - Intestinal toxicity prevention by testosterone (mice)
- ** ROICA-13058-03 Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)
- ROICA-13080-03 Comparative carcinogenicity of tritium (mice)
- ROICA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)
- PO2CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
- ROICA-13153-03 Stabilized polynucleotides-Interferon inducers
- ROICA-13155-03 Early and critical events in chemical carcinogenesis (mice, rats)
- ROICA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
- ROICA-13190-02 Human tumor-Specific immunity
- ROICA-13296-02 Selective activation of pyrimidine antimetabolites (mice)
- POICA-13330-03 0028 Cancer research program - Repetitive DNA sequences in mammalian chromosomes (human, animals)
- POICA-13330-03 0041 Cancer research program - Adenovirus DNA and protein synthesis (human)
- ** POICA-13330-03 0054 Cancer research program - Role of RNA-DNA hybrids in DNA synthesis and repair (human)
- ROICA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
- ROICA-13401-03 5-BuIdR effects on polyoma and SV40 transformed cells (mice)
- ** ROICA-13431-03 Herpes virus nucleic acids in human tumors
- ** ROICA-13434-03 Plasma membrane DNA in neoplastic and normal cells (human, monkeys, rodents)
- ROICA-13506-03 Characterization of virus genomes in transformed cells
- ** POICA-13526-03 0005 Correlated study of metabolic regulation in neoplasia - Regulation of DNA metabolism in normal and cancer cells (human, birds, rodents)
- ** ROICA-13598-03 Interactions between DNA and skin-sensitizing coumarins (*Bacillus subtilis*)
- ** ROICA-13602-06 Structure and mechanism of action of DNA polymerase (animals, microorganisms)
- ROICA-13657-05 Control of ribonucleotide reduction in eukaryotes (yeasts, mammals)
- ROICA-13700-02 Parathyroid hormone and cancer (human)
- ROICA-13805-02 Radiation injury in subpopulations on lymphocytes (mice)
- ROICA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
- ROICA-13832-02 Enzymatic prediction of response to anticancer drugs (human)
- ROICA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- ROICA-13915-02 Liver cell differentiation and carcinogenesis (rats)
- ROICA-14047-02 Methylations in tumors (rabbits, chickens, anurans, bacteria)
- ** ROICA-14103-02 Molecular basis of the actinomycin-DNA interaction
- ROICA-14170-02 Electronic aspects of carcinostatic mechanisms
- ROICA-14223-02 Measurement of cell response to anticancer drugs

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** RO1CA-14226-02 Malignant transformation of DNA inhibitors (mice)
 RO1CA-14230-02 Antifolates in leukemia and graft-versus-host disease (human, mice)
 RO1CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
 RO1CA-14322-02 Anticancer action and mechanism of nucleotide analogs
 RO1CA-14326-02 Host-mediated detection of mutagens with murine cells (mice)
 RO1CA-14365-02 Cell cycle in relation to cancer chemotherapy
 RO1CA-14378-05 Biosynthesis of the mitomycin antibiotics
 RO1CA-14406-02 DNA-dependent RNA polymerases in normal and malignant cells (mice)
 RO1CA-14428-02 Histones in disorders of erythropoiesis (human)
 RO1CA-14495-01 Base sites of antitumor antibiotic DNA binding by CD
 RO1CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
 RO1CA-14656-02 Polyenes as antitumor agents (mice)
 RO1CA-14680-01 Role of mutagenesis in chemical carcinogenesis
 PO1CA-14733-02 0014 Control of gene expression, virus replication and cell growth - Genetics and cell biology
 RO1CA-14750-02 Cytotoxic selectivity of anticancer drugs (mice, hamsters, rats)
 PO1CA-14801-02 0005 Chemotherapy and regulation of oncogenic viruses - Recombination between herpes simplex virus and mammalian cell genome
 PO1CA-14801-02 0008 Chemotherapy and regulation of oncogenic viruses - Chromosomal protein-Changes associated with oncovirus infection
 RO1CA-14826-02 Quantitative study of carcinogenesis by hydrocarbons (mice)
 RO1CA-14904-02 The role of the hyperplastic liver nodule in carcinogenesis (rats)
 RO1CA-14920-02 Acidic chromatin proteins and carcinogens (rats, chickens)
 RO1CA-14969-02 0005 Radionuclide studies of tumors and growth - Molecular basis of action of cis-dichlorodiammine platinum (mammals nonhuman)
 RO1CA-14980-01 Polycyclic carcinogen-nucleic acid interactions
 RO1CA-15044-01 Pathogenetic determinants of human CNS tumors
 RO1CA-15056-01 Antineoplastic peptides from urine
 RO1CA-15111-01 Pharmacology and biochemistry of the oncogen, diene
 PO2CA-15145-01 0009 Cancer center support grant - Nuclear proteins and transcription of chromatin from trophoblast (hamsters)
 PO2CA-15145-01 0015 Cancer center support grant - Metabolism of murine L-1210 leukemic cells
 ** RO1CA-15149-01 The DNA-transfer method of virus rescue
 RO1CA-15270-01 Metabolic characteristics of chemical carcinogenesis (rats)
 RO1CA-15397-02 Drug sensitivity of mammalian cells in plateau phase
 ** RO1CA-15461-01 Ethidium and DNA-Electronic and buoyant properties
 RO1CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)
 RO1CA-15583-01 New approaches to cancer chemotherapy (mice)
 PO1CA-15655-01 0004 Cancer center support grant - Host variables in response to herpes and mitogens (human)
 RO1CA-15826-01 Metal binding to polynucleotides-Probes and drugs
 RO1CA-15874-01 Enzymatically generated singlet oxygen in carcinogenesis
 RO1CA-15940-01 Determining sequences from hemoglobin messenger RNA
 RO1CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
 PO1CA-16038-01 0008 Program on the molecular basis of viral transformation - Molecular basis of genetic recombination (bacteria, viruses)
 RO1CA-16182-01 Chemical carcinogenesis-Cause and prevention
 PO1CA-16359-01 0009 Cancer center support grant - DNA heteroduplex analysis of herpesvirus genomes
 PO1CA-16359-01 0022 Cancer center support grant - Viral gene expression and transformation
 ** RO1CA-16946-01 Defective DNA in Fanconi's anemia (human)
 ** RO1CA-16968-01 Influence of metal complexes on DNA
 NO1CM-43762-00 Synthesis of potential anticancer agents
 NO1CM-43786-00 Characterization of antitumor drugs: effects on polynucleotide metabolism
 NO1CM-43787-00 Antitumor drugs and effects on protein synthesis (mammals)
 ** NO1CP-12164-08 Interaction between chemical and viral carcinogens (hamsters)
 NO1CP-23245-02 Optimizing electrophoretic separation of proteins with new hydrogels (human)
 NO1CP-33283-02 Search for hybridizable tumor virus DNA in tissues from cancer patients
 NO1CP-33293-03 Study role of virion-associated DNA polymerase
 NO1CP-33310-02 Herpesvirus and its role in human cancer
 NO1CP-33332-01 Hormonal control of gene expression (mammals nonhuman)
 NO1CP-33336-01 Molecular biology of EB virus and related herpes viruses in human malignancies
 NO1CP-33365-02 Molecular virology studies of human leukemias
 NO1CP-33405-01 Carcinogenesis and control of the cell cycle
 NO1CP-43219-00 Molecular and genetic studies of Rous sarcoma virus
 ** NO1CP-43270-00 Non-histone DNA binding proteins (rats)
 NO1CP-43385-00 Regulation of gene expression in mouse mammary cancer
 NO1CP-45615-01 In vitro interaction between chemical and viral carcinogens
 RO1DA-00017-10 Effects of morphine and analogues on cell metabolism (bacteria, mammals, squid)
 P13DE-02600-08 0018 Planning of a research center in oral biology - Keratinization of epidermis and oral epithelium
 P13DE-02623-08 0017 Center for oral health research - Growth, morphology and lactic acid metabolism of bacteria
 P13DE-02623-08 0019 Center for oral health research - Analytical serology of the oral streptococci
 P13DE-02623-08 0024 Center for oral health research - Replication of herpes simplex virus (type 1 oral) in synchronized mammalian cell
 P13DE-02668-08 0022 Dental research center - Growth mechanisms
 RO1DE-02774-07 Tissue interaction in dental development (mice)
 RO1DE-02848-06 0010 Biology of connective tissue, bones and teeth - Genetic regulation during salivary gland development (rabbits, mice)
 RO1DE-03014-06 Periodontal changes during aging (mice)
 R23DE-03947-01 Female sex hormone mechanism in pregnancy gingivitis
 P10ES-00002-12 0015 Occupational and environmental health - Recovery from radiation injury in ameboid cell
 P01ES-00049-10 0005 Mode of action and metabolism of organic toxicants - Chlorinated hydrocarbons-2,3,7,8-tetrachlorodibenzo-p-dioxin (rats, mice)
 P10ES-00159-09 0011 Center for study of the human environment - Evaluation of metal interactions in cultured cells
 P10ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
 P10ES-00260-12 0001 Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
 RO1ES-00320-07 Quantitative genetic study of environmental mutagen (Drosophila, hamsters)
 RO1ES-00769-09 Toxicity studies with a chelating agent (rats)
 RO1ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
 RO1EY-00362-07 Control of cell division in the ocular lens (rabbits)
 RO1EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
 RO1FD-00658-03 Cellular damage by visible and near-visible light (bacteria)
 RO1GM-04738-18 Submicroscopic organization of chromosomes (animals, fungi)
 RO1GM-07428-14 Genetic control of differential cell function (Drosophila)
 RO1GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
 ** RO1GM-08968-13 Electron microscope studies of nucleic acid structures (files, viruses)
 RO1GM-09320-13 Control of genome expression (bacteria)
 RO1GM-09654-13 Histone metabolism (liverwort, insects)
 RO1GM-10017-12 Chemical forces stabilizing protein structure (yeasts, plants, mammals)
 RO1GM-10265-12 New methods for synthesis of polynucleotides
 RO1GM-10499-12 Chromosome structure in relation to gene action (amphibians, plants, insects)
 RO1GM-10906-13 Statistical mechanics of biological macromolecules
 ** RO1GM-10991-15 Physical chemistry of nucleic acids (viruses, bacteria)
 ** RO1GM-11180-11 Physical chemistry of deoxyribonucleic acid (Drosophila, mice)
 PO1GM-11301-12 0006 Structure, function and biosynthesis of macromolecules - Control of gene expression during prokaryotic developmental processes (bacteria)
 ** RO1GM-11777-11 Gene transformation and genetic molecular development (Drosophila)
 RO1GM-11873-11 Fine structure of chromosomes (human)
 ** RO1GM-11895-11 The mechanism of gene activation during development (microorganisms)
 ** RO1GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
 ** RO1GM-11946-12 Properties of transforming and infectious DNAs (microorganisms)
 RO1GM-12010-11 Enzymatic synthesis of nucleic acids (bacteria, viruses)
 RO1GM-12228-11 Biosynthesis of respiratory enzymes (fungi)
 RO1GM-12281-10 Ultrasonic absorption by biological materials (frogs, mice)
 RO1GM-12307-10 Specific counterion binding by polyelectrolytes
 RO1GM-12323-10 0015 Biochemical genetics - Ethidium bromide effect on mouse mitochondria
 RO1GM-12427-10 Organization of animal cell nuclei (insects, toads)
 RO1GM-13116-09 Kinetic investigation of biochemical reactions
 PO1GM-13543-09 0008 Cellular and molecular pathology - RNA transcription and cell proliferation
 RO1GM-13556-10 Problems in theoretical chemistry and polymers
 RO1GM-13762-09 Molecular basis of genetic control (rat, Drosophila, mold, sea urchin, toad)
 RO1GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
 RO1GM-13970-08 Cytoplasmic genetic control systems (algae)
 ** RO1GM-14372-08 Genetic and molecular analysis of plasmid replication (bacteria)
 ** RO1GM-14378-08 Mechanisms of the restriction and modification of DNA (bacteria)
 ** RO1GM-14426-08 Lysogeny and operon expression (viruses, E coli)
 PO1GM-14546-08 0049 Influence of acute illness and injury on energy - Nutritional status in normal and injured patients
 PO1GM-14552-08 0019 Normal and abnormal cell growth multidisciplinary study - Mechanism of stabilization of synthetic capacity for hemoglobin
 RO1GM-14603-08 Structure and interactions of proteins in solution
 ** PO1GM-14604-08 0005 Anaerobic bacteriological research program - DNA studies
 PO1GM-14604-08 0010 Anaerobic bacteriological research program - Nucleic acids
 ** RO1GM-14621-08 Physico-chemical studies of nucleic acids (E coli, Drosophila)
 ** RO1GM-15410-07 Normal and abnormal cell growth and heredity (ciliates)
 PO1GM-15422-07 0003 Program project in genetics - Genetics of proteins (human, mice)
 PO1GM-15422-07 0011 Program project in genetics - Gene transformation and genetic molecular development (mice, Drosophila)
 ** PO1GM-15423-07 0037 Molecular basis of control mechanisms - DNA molecules in intact phages
 ** PO1GM-15423-07 0038 Molecular basis of control mechanisms - Interactions of proteins with DNA
 ** PO1GM-15423-07 0040 Molecular basis of control mechanisms - Folding of DNA by external agents
 ** PO1GM-15423-07 0059 Molecular basis of control mechanisms - Methylation of nucleotide sequence and genome
 P11GM-15477-08 0126 Drug metabolism and biochemical pharmacology - Coadministration of nontoxic agent and cytotoxic drug (cell culture)
 RO1GM-15661-06 Chemistry of metaphase chromosomes (flies)
 ** P11GM-15759-08 0044 Clinical pharmacology in rheumatic and muscular diseases - Identification of DNA isolated from synovial and serum cryoprecipitates (human)
 M RO1GM-15792-08 Structure and relations of proteins and nucleic acids
 ** RO1GM-15792-08 0001 Structure and relations of proteins and nucleic acids - DNA-protein interactions (bacteria)
 RO1GM-15884-09 Genetic modification of mitochondria
 RO1GM-16195-06 Biomolecular structure by electron microscopy
 ** RO1GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
 RO1GM-16320-06 Biogenesis of mitochondria (yeast)
 RO1GM-16370-06 Genome comparison as a basis for yeast taxonomy
 RO1GM-16536-06 Chromosome behavior in Drosophila
 RO1GM-16648-06 Cell-free systems for the study of gene regulation (E coli)
 RO1GM-16927-06 Conformational studies of DNA block copolymers
 ** RO1GM-16966-05 Crystal structure of compounds related to DNA
 RO1GM-17019-05 Differentiated cell cultures (rats)
 RO1GM-17078-05 Genetic and chemical studies of phage lambda development
 ** RO1GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
 RO1GM-17533-13 Protein and nucleic acid model studies (E coli)
 PO1GM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
 RO1GM-17980-04 Bacteriophage assembly and its genetic control
 RO1GM-18098-04 NMR study of the lac-repressor protein (E coli)

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 **Oriented significantly to above subject.
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- RO1GM-18103-02 Mitochondrial biogenesis during oogenesis (*Xenopus laevis*)
- ** RO1GM-18243-04 Organization of DNA conformation in chromosomes (E coli, *Noussa*, hamsters)
- ** RO1GM-18456-04 Biophysical studies of nucleohistones (cattle)
- RO1GM-18483-04 Drugs and gene activation (plants)
- ** RO1GM-18533-04 Methods for the sequence analysis of DNA (bacteria, beans, mammals)
- ** RO1GM-18663-03 Regulation of ribosomal DNA and RNA transcription (plants)
- RO1GM-18669-06 Chloramphenicol-induced marrow aplasia - Pathogenesis (human, monkeys, dogs)
- RO1GM-18725-03 Thermodynamic character of protein conformation (bacteria)
- ** RO1GM-18747-03 Energy transfer and reaction in DNA-histone complexes
- ** RO1GM-18776-03 Bacteriophage T4 morphogenesis and packing of DNA
- RO1GM-18835-03 Genetics and biochemistry of somatic cells (hamsters)
- RO1GM-18870-02 Biochemistry of genetic recombination (E coli)
- ** RO1GM-18887-03 Promoter and operator site DNA sequence analysis (bacteriophage, E coli)
- ** RO1GM-18936-04 Circular DNA elements in *Bacillus megaterium* (bacteria)
- RO1GM-18966-03 Mapping marker chromosomes with quinacrine mustard (human)
- RO1GM-19019-11 Bifunctional studies of proteins (human, bacterial)
- ** RO1GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
- RO1GM-19060-03 Sequence-dependence of polynucleotide configuration
- RO1GM-19062-03 Mechanism and regulation of gene transcription (E coli)
- RO1GM-19074-03 Histone acetyltransferase from liver chromatin (rats)
- ** RO1GM-19079-03 0001 One MEV scanning transmission electron microscope - Linear non-repetitive sequence
- RO1GM-19079-03 0005 One MEV scanning transmission electron microscope - In situ analysis of organelle assembly
- RO1GM-19096-03 Molecular basis of differentiation (toads)
- ** RO1GM-19100-03 0020 Genetics research center - Characterization of nuclear DNA in yeast (*S cerevisiae* mutants)
- ** RO1GM-19100-03 0022 Genetics research center - Proteins associated with constitutively repressed genome sequences (mammals)
- RO1GM-19130-03 Developmental genetics of spermatid differentiation (*Drosophila*)
- RO1GM-19179-03 Nucleotide sequence changes in evolution (*Drosophila*)
- RO1GM-19240-03 Molecular approaches to the taxonomy of yeasts
- RO1GM-19261-03 Repair of damaged DNA and mutagenesis in yeast
- ** RO1GM-19334-02 Physical properties of isolated nuclei and chromosomes (rats, chickens)
- RO1GM-19351-03 Biosynthesis of transfer ribonucleic acid (E coli)
- RO1GM-19443-03 0029 Problems in clinical genetics - Cystic fibrosis (human, rabbits)
- RO1GM-19448-02 Effective interactions in large molecules
- RO1GM-19481-02 Gene transfer in cultured mammalian cells (human, mice)
- RO1GM-19494-03 Molecular basis of gene expression in eukaryotes (viruses, cattle)
- ** RO1GM-19519-03 Characterization of dinoflagellate DNA
- RO1GM-19616-02 DNA and karyotypic studies of *Drosophila* genomes
- RO1GM-19795-02 Molecular mechanisms of frameshift mutation (bacteriophage)
- RO1GM-19883-01 Polynions-Model gene regulators
- ** RO1GM-19984-02 0001 Structure and function of proteins at molecular level - Histones (cattle, peas)
- M RO1GM-19988-14 Physical studies of nucleic acids and proteins
- RO1GM-19993-07 Regulation of gene function and protein synthesis (bacteria)
- PO1GM-20124-02 0006 Center for human genetics and inherited disease - Nuclear acidic proteins regulating genetic expression (mice, hamsters)
- PO1GM-20124-02 0008 Center for human genetics and inherited disease - Mammalian chromosomes-Fractionation and properties (human, mammals)
- ** RO1GM-20195-17 Interactions of nucleotide and proteins
- RO1GM-20259-02 Physical studies of the Lac repressor
- RO1GM-20261-01 Fine structure of ribosomal RNA (E coli, toads)
- ** RO1GM-20275-02 Phosphorescent triplet state of polynucleotides
- RO1GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
- RO1GM-20291-02 Digital microphotometry and biomedical image analysis
- RO1GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- RO1GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)
- RO1GM-20532-01 Composition and regulation of the ribosomal genome (fungi, plants, amphibians)
- RO1GM-20561-02 Structure of the operator site on the Lac repressor (E coli)
- RO1GM-20596-02 Helix-coil transition in nucleoprotein
- RO1GM-20770-01 Y chromosome structure and regulation in *Drosophila*
- ** RO1GM-20798-01 Physical properties of DNA renaturation kinetics
- ** RO1GM-20813-01 Role of DNA in DNA, RNA and protein synthesis (bacteria, viruses, *HaLa* cells)
- ** RO1GM-20871-01 Studies of human chromosomal DNA (and *Drosophila*)
- RO1GM-20922-01 Cytochemistry and structure of chromosomes (hamsters, flies)
- M PO1GM-20927-01 Sequence structure of eukaryotic genome
- ** PO1GM-20927-01 0001 Sequence structure of eukaryotic genome - Fraction identification by ferritin labels on repetitive DNA sequences
- ** PO1GM-20927-01 0002 Sequence structure of eukaryotic genome - Nitrocellulose columns for DNA fragments
- ** PO1GM-20927-01 0003 Sequence structure of eukaryotic genome - Single and double strand specific nucleases for DNA fractionation
- PO1GM-20927-01 0004 Sequence structure of eukaryotic genome - tRNA genes of *Drosophila*
- ** PO1GM-20927-01 0007 Sequence structure of eukaryotic genome - Sequence content of b1kroax region of *Drosophila*
- ** PO1GM-20927-01 0008 Sequence structure of eukaryotic genome - Reassociation products of known length DNA fragments (*Xenopus*)
- ** PO1GM-20927-01 0009 Sequence structure of eukaryotic genome - Characterization of rat and human genome
- ** PO1GM-20927-01 0010 Sequence structure of eukaryotic genome - Repetitive sequences and chromosomal proteins (*Drosophila*)
- ** PO1GM-20927-01 0012 Sequence structure of eukaryotic genome - Are interspersed single copy sequences really single copy (*Xenopus*)
- ** PO1GM-20927-01 0013 Sequence structure of eukaryotic genome - Frequency versus precision of repetition (calves)
- ** PO1GM-20927-01 0014 Sequence structure of eukaryotic genome - Longer repetitive regions, satellites and clusters (*Xenopus*, sea urchin)
- ** PO1GM-20927-01 0015 Sequence structure of eukaryotic genome - Comparative studies of sequence arrangement
- ** PO1GM-20927-01 0016 Sequence structure of eukaryotic genome - Relationships among interspersed and clustered repetitive sequences
- ** PO1GM-20927-01 0017 Sequence structure of eukaryotic genome - Evolutionary rearrangement of moderately repetitive sequence elements
- ** RO1GM-20969-02 Conformation of single-stranded DNA in solution
- RO1GM-21050-01 Molecular mechanism of control of gene function (bacteriophage, bacteria)
- RO1GM-21059-01 Biogenesis of mitochondria (*Neurospora*)
- ** RO1GM-21120-01 Chromosome DNA regulatory regions (lambda phage, rodents, rabbits, *Xenopus*, *HaLa*)
- ** RO1GM-21121-01 Protein-DNA interactions in human chromosomes
- RO1GM-21123-01 Gene localization in man using RNA-DNA hybridization
- RO1GM-21176-01 Structure of extrachromosomal and viral genomes (E coli)
- RO1GM-21204-01 Transcription of chloroplast DNA of *C. reinhardtii*
- ** RO1GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, *Drosophila*)
- ** RO1GM-21315-01 Molecular mechanism of recombination in E coli
- ** RO1GM-21346-01 Arrangement of repetitive DNA sequences in humans
- ** RO1GM-21446-01 Modes of DNA amplification expressed by oocytes (arthropods)
- ** RO1GM-21795-01 Magnetic resonance of heterocyclic triplet states
- RO1HD-00047-10 Control of cell differentiation in culture (chick embryo)
- PO1HD-00781-11 0014 Studies on prematurity - Placental growth and clearance (sheep)
- ** RO1HD-00827-11 Effect of RNA and DNA on cephalic terata (mice)
- RO1HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, viru)
- RO1HD-01962-09 Constitutive heterochromatin and RNA synthesis (human, hamsters)
- RO1HD-03521-06 tRNA and the differential control of RNA synthesis (bacteria)
- ** RO1HD-03637-07 Aging and DNA-In vitro studies (mice, rats)
- RO1HD-04004-06 0005 Programmed senescence in cultured human cells - Synthesis of DNA binding proteins as a function of in vitro age
- RO1HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
- ** RO1HD-04420-05 Repressor proteins in E coli and eucaryotic cells
- ** RO1HD-04569-04 Isolation and characterization of human ribosomal DNA (human)
- RO1HD-05111-04 Production and excretion of urea in prenatal life (sheep)
- PO1HD-05221-05 0029 Center grant in mental retardation - Pathologic embryology (rats, monkeys)
- ** RO1HD-05309-04 Gene transfer during differentiation and aging (human)
- RO1HD-05394-04 Amino acids and prenatal brain development (rats)
- RO1HD-05602-04 Control of protein synthesis in developing organelles (protozoa, yeasts)
- ** PO1HD-05797-04 0005 Population and reproductive biology - Estrogen induced changes in acidic protein-DNA complexes in chick oviduct
- PO1HD-05797-04 0006 Population and reproductive biology - Steroid hormone receptor binding sites from target cell chromatin (chickens)
- RO1HD-05803-04 Nuclear proteins in gametogenesis and embryogenesis (rats, mice, sea urchins)
- PO1HD-06276-03 0069 Mental retardation research program - Intracellular communication proteins in developing mouse brain
- RO1HD-06282-03 Macromolecular interactions during nuclear differentiation (animals)
- PO1HD-06321-02 0002 Genetic aspects of human fetal development - Development and differentiation in early mammalian embryos (human, rats)
- RO1HD-06461-03 Developmental defects in *Drosophila* mutants
- RO1HD-06706-02 Hormonal control of growth and development (chickens, rats, human)
- RO1HD-06855-02 Mechanisms of growth control in mammalian cells (cattle, rodents)
- PO1HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- PO1HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- RO1HD-07014-02 Biochemistry of spermatozoon structures (human, rabbits, rodents)
- RO1HD-07078-02 Growth and development of human fetal brain in vitro
- RO1HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
- RO1HD-07359-03 Gene function during post-natal development and ageing (rats, mice)
- RO1HD-07625-01 Control of transcription in aging animals (mice)
- RO1HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
- RO1HL-04442-16 Mitochondrial assembly and replication (fungi, mammals)
- PO1HL-06350-13 0016 Hemostasis research program project - Medical genetics not concerned with hemostasis (dogs)
- RO1HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
- RO1HL-09921-09 0022 Mechanisms of congestive heart failure - Demonstration of brain receptor for aldosterone (rats)
- PO1HL-13108-05 0003 Clinical heart transplantation - Diagnosis of rejection (human)
- P17HL-14177-04 0003 Center for prevention and treatment of atherosclerosis - Interaction of aortic tissue with plasma fractions in hyperlipemia (swine, human)
- RO1HS-07286-07 UV spectroscopic study of membrane proteins and DNA
- RO1HS-08365-07 Embryology of the inner ear (mice)
- PO1HS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)
- RO1HS-10111-03 In vitro DNA-directed synthesis of neuronal protein (chicks)
- RO1HS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
- RO1HS-11237-02 Brain development in normal and mutants (mice)
- ** P07RR-00636-02 0005 Special resource for NMR studies in biomolecules - Drug-receptor interactions
- P07RR-00711-02 0005 High frequency NMR biotechnology resource - Mechanism of action of repressor protein (E coli)
- SO6RR-08033-03 Inhibitors of DNA and RNA and renin in human tissues (Norfolk State College)

NUCLEIC ACIDS, DNA BACTERIAL

- ** RO1AI-01650-17 Genetic mechanisms and gene action (bacteria, human)
- RO1AI-02457-16 Methicillin resistance in staphylococci
- RO1AI-03038-15 Control functions of bacteriophages and bacteriocins
- ** RO1AI-03170-15 Deoxyribonucleates determining drug resistance (bacteria)
- ** RO1AI-05371-12 The physiology of bacterial conjugation
- RO1AI-07194-09 Structure and genetic control of colicines (bacteria)
- ** RO1AI-07875-08 Mechanisms of prophage integration and recombination (bacteria)
- RO1AI-07946-08 Phage T4-infected E coli-Heterocatalytic expression

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RO1AI-08572-07 Transfection of E coli and its applications (bacteriophage)
 ** RO1AI-08573-07 0001 Genetics of lambda prophage - Terminal duplication phages
 RO1AI-08573-07 0003 Genetics of lambda prophage - Phage growth on hosts
 RO1AI-09586-04 Ultrastructure and replication of Mycoplasmataceae (hamsters)
 RO1AI-10107-03 Metabolism, physiology and evolution of Acinetobacter
 RO1AI-10646-03 Antibiotic resistance in *Neisseria gonorrhoeae*
 RO1AI-11346-02 Regulation of gene expression (bacteria)
 RO1AI-11648-01 Adenovirus gene expression in vitro and in vivo (E coli)
 ** RO1AI-11712-01 Degradation of T4 DNA occurring early in infection
 PO1AI-12192-01 0002 Venereal disease research - Genetics of virulence determinants in *Neisseria gonorrhoeae* (chick embryo)
 PO1CA-08748-09 5736 Research program of Sloan-Kettering Institute - Mutagenesis by purine N-oxide derivatives (bacteria)
 RO1CA-12096-04 Discontinuous DNA synthesis in vitro (E coli, mammals)
 ** RO1CA-16896-16 Genetics of bacteria (bacteriophage)
 RO1GM-13221-09 Genetic recombination and replication in bacteriophage (E coli)
 PO1GM-13244-10 Scanner-computer investigations of biological systems (microorganisms)
 RO1GM-13914-09 0003 Macromolecules of circulatory and genetic importance - Isolation of the bacterial genome (microorganisms)
 RO1GM-14426-08 Lysogeny and operon expression (viruses, E coli)
 RO1GM-15881-14 Enzymatic excision and repair mechanism
 ** RO1GM-15905-07 Initiation of chromosome replication (E coli)
 ** RO1GM-19605-02 Generalized and specialized transduction of E coli genes (human)
 ** RO1GM-20851-01 Electron microscopy of DNA of cells and viruses
 PO1HD-04807-05 0003 Genetic and cytogenetic studies of mental retardation - Uptake and expression of bacterial, viral DNA by mammalian cells (human, rodents)

NUCLEIC ACIDS, DNA CIRCULAR

RO1AI-07194-09 Structure and genetic control of colicines (bacteria)
 ** RO1AI-11712-01 Degradation of T4 DNA occurring early in infection
 RO1AI-11839-02 Molecular biology of vaccinia virus replication
 ** RO1CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
 RO1CA-14799-01 Role of a human cell endonuclease in repair of DNA
 RO1CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
 RO1CA-16319-01 Method for examining viral DNA changes for mutagenic and carcinogenic effects
 ** RO1GM-15327-16 Ultracentrifugal studies of biological macromolecules (mice, human)
 RO1GM-19409-03 Genetic analysis of the replication-initiation region (bacteria)
 RO1GM-20851-01 Electron microscopy of DNA of cells and viruses
 PO1GM-20927-01 0006 Sequence structure of eukaryotic genome - Mapping the modes of integration of cancer viruses (SV40)
 ** PO1GM-20927-01 0011 Sequence structure of eukaryotic genome - Sequence content of folded circles (*Xenopus*)

NUCLEIC ACIDS, DNA VIBAL

SEE ALSO VIRUSES, DNA VIRUSES (GENERAL)
 RO1AI-04509-13 Biochemical genetic studies of virus multiplication
 RO1AI-05722-11 Replication of the DNA of T-even bacteriophages
 ** RO1AI-07875-08 Mechanisms of prophage integration and recombination (bacteria)
 RO1AI-07946-08 Phage T4-infected E coli-Heterocatalytic expression
 RO1AI-08161-07 Replication and recombination in bacterial viruses
 ** RO1AI-08572-07 Transfection of E coli and its applications (bacteriophage)
 ** RO1AI-08573-07 0001 Genetics of lambda prophage - Terminal duplication phages
 RO1AI-08573-07 0002 Genetics of lambda prophage - Regulation of prophage insertion
 RO1AI-08573-07 0004 Genetics of lambda prophage - Regulation of the biotin operon
 RO1AI-08722-06 Molecular studies on phage P2 and its satellite, P4
 RO1AI-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
 RO1AI-09100-05 Mammalian cell response to diphtheria toxin (human, mice, chicken)
 RO1AI-09943-04 Genetics of structurally altered phage T4 genomes (bacteria)

** RO1AI-10019-04 Rex, a lambda gene not subject to cl repression (bacteriophage)
 RO1AI-10201-04 Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
 RO1AI-10238-04 DNA metabolism in virus infected bacteria (T7 phage, E coli)
 RO1AI-10605-03 Biology of mycoplasma viruses
 RO1AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)
 RO1AI-10947-03 0003 Metabolism of cells infected with nuclear DNA viruses - Genome of human cytomegalovirus
 ** RO1AI-11470-01 Role of RNA in DNA viruses
 ** RO1AI-11648-01 Adenovirus gene expression in vitro and in vivo (E coli)
 RO1AI-11839-02 Molecular biology of vaccinia virus replication
 ** RO1AI-12053-01 Mechanisms of viral eclipse and assembly
 RO1CA-08494-09 Mechanisms of viral infection in relation to cancer
 ** PO1CA-10815-06 0024 Consolidated basic cancer research program - Polyploid formation (hamsters, mice)
 ** PO1CA-10815-06 0025 Consolidated basic cancer research program - Cell-free system to study viral DNA (monkeys)
 PO1CA-10815-06 0027 Consolidated basic cancer research program - Functions of viral genome in SV40 transformed cells (human, monkeys)
 PO1CA-10815-06 0028 Consolidated basic cancer research program - Selection of lethal mutants of SV40 (mammals)
 ** PO1CA-10815-06 0034 Consolidated basic cancer research program - Interaction of SV40 and Py DNA with the cellular genome (human, mice, hamsters)
 RO1CA-11208-06 Control of synthesis and function of nucleic acid (bacteria, bacteriophage)
 PO1CA-11405-06 0004 Core program on etiology of cancer - Pathway of MTV from intestine to mammary gland (mice)
 RO1CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
 RO1CA-11901-04 Pathology of tumorigenesis in developing embryos (frogs)
 PO1CA-12174-04 0007 Growth and cell control processes - Initial product synthesized by DNA polymerase of tumor viruses
 RO1CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
 RO1CA-12693-03 Modification of x-ray induced damages in phage T4
 ** RO1CA-12784-03 Circular DNA-implications for cancer and drug resistance
 ** RO1CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
 PO1CA-13330-03 0048 Cancer research program - Biochemical pharmacology of anti-tumor drugs
 PO1CA-13343-02 0003 Environmental cancer - Etiology in carcinogenesis-Chemical and viral agents in cell culture systems
 RO1CA-13978-02 Mammalian cell transformation by oncogenic viruses
 ** RO1CA-14026-02 Structure and function of tumor virus DNA SV40
 PO1CA-14193-02 0011 Comparative leukemia studies unit - Characterization of viral nucleic acids
 PO1CA-14195-01 0004 Core grant-Regulation, the cell membrane and cancer - Function of viral and cellular genes (tissue culture)
 PO1CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
 PO1CA-14195-01 0023 Core grant-Regulation, the cell membrane and cancer - Viral gene functions involved in transformation (tissue culture)
 PO1CA-14195-01 0024 Core grant-Regulation, the cell membrane and cancer - Cell surface proteins of polyoma virus and SV40 transformed cells (hamsters)
 ** RO1CA-14530-02 Substituted SV40 DNA
 ** RO1CA-14572-02 Characterization of specific fragments of SV40 DNA
 PO1CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
 ** PO1CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Abnormal viral DNA replication
 RO1CA-14799-01 Role of a human cell endonuclease in repair of DNA
 RO1CA-14989-01 Polyoma and SV40 tumor virus DNA sequence analysis
 RO1CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
 RO1CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
 ** PO2CA-15145-01 0018 Cancer center support grant - Role of host cell proteins in synthesis of virus DNA (bacteria)
 PO2CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
 PO2CA-15145-01 0050 Cancer center support grant - Studies on DNA membrane receptor complex (bacteria)
 RO1CA-15513-01 Basic mechanisms in viral carcinogenesis
 RO1CA-15583-01 New approaches to cancer chemotherapy (mice)

RO1CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
 ** RO1CA-15941-01 Simian virus 40 DNA
 ** RO1CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
 PO1CA-16030-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
 ** PO1CA-16030-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids
 PO1CA-16030-01 0011 Program on the molecular basis of viral transformation - Host-dependent herpesvirus mutants
 PO1CA-16030-01 0012 Program on the molecular basis of viral transformation - Structure of herpesvirus genomes
 PO1CA-16030-01 0013 Program on the molecular basis of viral transformation - Regulation of cell division and DNA synthesis by parvovirus structural proteins
 PO1CA-16030-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
 RO1CA-16115-01 Proteins in oncogenic viruses-Polyoma and SV40
 ** PO1CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
 ** PO1CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
 RO1CA-16312-01 Avian DNA polymerase-RNase H enzymes (E coli, oncogenic viruses)
 ** RO1CA-16319-01 Method for examining viral DNA changes for mutagenic and carcinogenic effects
 R26CA-16365-01 Etiology of prostate tumors (human, rabbits)
 RO1CA-16896-16 Genetics of bacteria (bacteriophage)
 RO1CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
 NO1CP-33310-02 Herpesvirus and its role in human cancer
 NO1CP-43390-00 Host restriction of Friend Leukemia Virus
 RO1GM-12607-10 Protein structure and biological function (human, microorganisms, mice)
 ** RO1GM-13221-09 Genetic recombination and replication in bacteriophage (E coli)
 ** RO1GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
 ** RO1GM-13280-11 Investigation of genetic problems with bacteriophages
 RO1GM-13434-09 Transcription and translation in mammalian cells
 RO1GM-13554-09 Structure and replication of bacterial viruses
 ** RO1GM-13914-09 0004 Macromolecules of circulatory and genetic importance - Nucleo-histones
 RO1GM-14426-08 Lysogeny and operon expression (viruses, E coli)
 RO1GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
 RO1GM-15837-07 Structure and function of lipids in the cell membrane (viruses, bacteria)
 ** RO1GM-17088-05 Molecular mechanisms in DNA replication
 RO1GM-18973-03 DNA replication of phage P22
 RO1GM-19177-03 Physical mapping of point mutations in DNA (viruses)
 ** RO1GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
 RO1GM-19963-02 Regulation of bacteriophage T4 gene expression (E coli)
 RO1GM-20158-02 Arrangement of information in animal chromosomes (bacteriophage, *Drosophila*)
 RO1GM-20373-01 Genetic control of myogenesis in *Drosophila*
 RO1GM-20687-01 Modified DNA and gene therapy (mammals, bacteriophage)
 ** RO1GM-20851-01 Electron microscopy of DNA of cells and viruses
 RO1GM-21070-01 Control of DNA replication in animal cells and virus
 ** RO1GM-21120-01 Chromosome DNA regulatory regions (lambda phage, rodents, rabbits, *Xenopus*, HeLa)
 PO1HD-04807-05 0003 Genetic and cytogenetic studies of mental retardation - Uptake and expression of bacterial, viral DNA by mammalian cells (human, rodents)
 ** NO1MS-42309-00 Detection of viral genomes in human neurological diseases
 MO1RR-00076-12 0087 General clinical research center - Herpes virus nucleic acids in human tumors

NUCLEIC ACIDS, METHYLATED (GENERAL)

RO1CA-16266-01 Mechanism of AMV transcriptase inhibitors
 PO1ES-00597-04 0005 Food-borne environmental toxicants - In-vivo alkylation of environmental agents (rats)

NUCLEIC ACIDS, METHYLATED DNA

** RO1AI-10864-03 DNA methylation control by extrachromosomal factors (E coli, bacteriophages)
 PO1CA-10893-06 0009 Cancer Research Center - Modifications of mammalian DNA (rats)
 R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
 ** RO1GM-19703-01 Role of methylation in DNA replication and repair (E coli mutants)

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See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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NUCLEIC ACIDS, METHYLATED RNA

- ** PO1CA-10893-06 0013 Cancer Research Center - Structural analysis of nucleic acids (human, rats)
- ** RO1CA-15086-01 Nuclear synthesis and modification of RNA (rats)
- RO1CA-16914-01 RNA modifying enzymes in normal and neoplastic cells (rats, yeast)
- ** PO1ES-00597-04 0011 Food-borne environmental toxicants - Aminocyclation and methylation of tRNA in chemical carcinogenesis (rats)
- RO1GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)
- RO1GM-21405-01 Modified nucleotides in mammalian tRNA (cattle, human, wheat, E coli)
- RO1HD-08444-01 Relation of tRNA to protein errors in aging rat liver

NUCLEIC ACIDS, POLY I:C

- ** RO1AJ-02953-14 Cell immunity-Natural inhibitors of viral activity (rabbits, mice)
- RO1AJ-07057-09 Interferon and resistance to virus infection
- ** RO1AJ-10023-04 Effect of poly I:C on delayed hypersensitivity (human, guinea pigs)
- ** RO1AJ-10282-03 Host factors which modify human interferon response
- RO1AJ-10339-03 Vaccinia virus immune mechanisms (monkey, rabbits)
- P15AJ-10404-04 Allergic disease center (children)
- RO1AJ-10001-01 Pathogenesis of fever (human, rabbits, guinea pigs)
- RO1AJ-10828-03 Poxvirus biochemistry and synthetic virus particles
- RO1AJ-10944-03 Uptake of polynucleotides and interferon production
- ** RO1AJ-10999-02 Resistance to intracellular bacterial infection
- RO1AJ-11270-01 Interferon-Production and action in single cells
- RO1AJ-11272-02 Human interferon-Induction and structure
- R22AJ-12017-01 Rabies-pathogenesis, interference, abortive infection
- PO2AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
- RO1AM-16141-03 Protective mechanisms in NZB/NZW nephritis (mice, rats)
- RO1AM-17469-01 SLE and drug induced LE-Pathogenesis and therapy (human, mice)
- R10CA-04326-16 Acute leukemia group B
- RO1CA-08740-08 Etiological studies of mammary carcinoma (human, mice)
- PO1CA-08748-09 5414 Research program of Sloan-Kettering Institute - Effect of chemotherapy on host immunity in tumor-bearing mice
- R10CA-11028-07 Acute leukemia group B
- PO1CA-11405-06 0005 Core program on etiology of cancer - Immunology of MTV infection in various inbred mouse strains
- PO1CA-11491-05 0001 Irradiation and tissue-localization response - Relationship of interferon induction to growth and metastases (rats, mice)
- RO1CA-11853-03 Polycytidylylase polymerase from tumor cells (mice)
- RO1CA-12209-03 Lymphocyte proliferation inhibitory factor (human)
- R10CA-12290-04 Central oncology group immunogenetic mechanisms and cancer in congenic mice
- RO1CA-12788-03 Synthesis and chemotherapy of nucleic acid analogs
- RO1CA-12960-02 Gene addition to mammalian cells using herpes virus
- PO2CA-13148-03 0020 Pilot cancer center - Immunology of chronic viral infections
- RO1CA-13272-03 Defense mechanisms to Marek's disease (chickens)
- ** PO1NS-11131-01 0004 Extrapyramidal and related behavioral disorders - Stimulators of protein synthesis and cerebral actions of levodopa (mice)

NUCLEIC ACIDS, RNA

- SEE ALSO NUCLEIC ACIDS SYNTHESIS, RNA
SEE ALSO NUCLEOPROTEINS, RIBONUCLEOPROTEINS
- RO1AA-00252-05 Alcohol and brain macromolecules (mice, rats)
 - RO1AA-00287-04 Effects of alcohol on subcellular organelles of liver (rats, rabbits)
 - RO1AJ-00685-19 Study of bacterial flagella
 - RO1AJ-00701-18 Measles virus recombination and reactivation
 - R22AJ-01636-17 Acquired immunity in tuberculosis (mice, guinea pigs, monkeys)
 - RO1AJ-03242-13 0004 Genetics, structure, and function of bacterial pili - Adsorption, eclipse, and penetration of pili phages (bacteria)
 - RO1AJ-03899-14 Metabolism of normal and bacteriophage infected *Escherichia coli* (human)
 - ** RO1AJ-04783-12 The role of nuclear cap RNA in fungal development
 - RO1AJ-05343-11 Multiplication of paramyxoviruses

- RO1AJ-05526-12 Physiology of bacteria at low temperature
- RO1AJ-05600-12 Myoviruses-Structure, replication, membrane interactions
- R22AJ-05920-12 Tagovirus replication in insect and vertebrate cells
- RO1AJ-06864-09 Molecular basis of measles pathogenesis and immunity
- RO1AJ-07043-09 Serum protein allotypes (rabbits)
- RO1AJ-08190-07 Modes of action of antimycobacterial agents
- RO1AJ-08427-06 The physical structure of viruses
- RO1AJ-09574-04 Antibiotic inhibitors of the ribosome (E coli)
- ** RO1AJ-10097-04 Structure of myxoviruses and oncornaviruses
- RO1AJ-10343-03 Activation of immunocompetent lymphocytes
- RO1AJ-10449-03 Ribosomal vaccines(mice)
- ** RO1AJ-10793-03 Genetic analysis of Sendis virus
- RO1AJ-10829-03 Properties of myxoviruses-Interferon inducers
- ** RO1AJ-11094-02 Immunogenicity of Histoplasma ribosomes and RNA (mice)
- RO1AJ-11219-02 Structure of a small spherical virus
- RO1AJ-11272-02 Human interferon-Induction and structure
- ** RO1AJ-11470-01 Role of RNA in DNA viruses
- RO1AJ-11636-01 Normal and virus-infected animal cells
- RO1AM-03535-15 Mode of action of steroid hormones (rats)
- ** PO1AM-09001-10 0024 Biochemistry and immunology of blood diseases - Tryptophan-tRNA synthetases of E coli and man
- RO1AM-09314-10 Enzymology of the oxidative metabolism of thymidine (*Neurospora*, rats)
- RO1AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- ** PO1AM-10824-08 0010 Cellular immunity - RNA mediated transfer of tumor immunity (mice, guinea pigs)
- ** PO1AM-10824-06 0011 Cellular immunity - Mechanism of RNA mediated transfer of immunity (mammals)
- RO1AM-12129-07 0005 Collagenases and collagen remodeling - Uterine collagenase (rats)
- RO1AM-12433-07 Cytochemical studies of keratinization (human, rats, rabbits)
- RO1AM-12598-06 Hemoglobin synthesis during amphibian metamorphosis
- RO1AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
- ** RO1AM-14706-03 Polyamines and RNA synthesis during liver regeneration (rats)
- RO1AM-15475-03 Biochemistry of gastric sulfated glycoproteins (human, rats, dogs, swine)
- RO1AM-15623-03 Polysaccharide metabolism in cystic fibrosis (human)
- RO1AM-15885-03 Erythroid cell development and hemoglobin synthesis (chick embryo)
- RO1AM-15917-03 Hemoglobin production during animal development (chick embryo)
- RO1AM-16177-03 Mechanism of action of steroid hormones (rats)
- ** RO1AM-16184-03 Effects of organ storage on renal RNA metabolism (mice)
- RO1AM-16530-03 Chemical pathology of amino acid deficiencies (rats)
- RO1AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
- P17AM-17026-01 0022 Vanderbilt University Diabetes-Endocrinology Center - Synthesis and secretion of peptide hormones
- P17AM-17026-01 0028 Vanderbilt University Diabetes-Endocrinology Center - Nature and origin of somatomedin
- RO1AM-18091-01 Effect of vagotomy on hepatic regeneration (rats)
- RO1CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- RO1CA-05295-14 0003 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on RNA biosynthesis (mice)
- PO2CA-06551-11 0005 Cancer clinical research - Australia antigen in leukemia and other disorders (primates)
- ** RO1CA-06657-12 Enzyme studies in experimental leukemia (mice, human)
- PO1CA-06927-12 0027 Biological and biochemical program in cancer research - Chromosomal and gene replication (*Drosophila*)
- PO1CA-07175-11 0001 Cancer research at the McArdle laboratory - Mechanism of mouse tumor skin formation
- PO1CA-07175-11 0012 Cancer research at the McArdle laboratory - Gene expression in liver and hepatoma (rats)
- RO1CA-07535-11 Influence of hormones on tissue metabolism (rats)
- RO1CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- RO1CA-08373-09 Factors controlling cellular proliferation (mice)
- ** RO1CA-08416-09 Control of transcription and translation in mammalian cells
- PO2CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Luche tumor (frogs)
- PO1CA-08748-09 5738 Research program of Sloan-Kettering Institute - Ribosomes of beef liver mitochondria

- PO1CA-08748-09 6206 Research program of Sloan-Kettering Institute - Phenylalanine and uridine uptake by L1210 leukemia cells (mice)
- PO1CA-08748-09 7412 Research program of Sloan-Kettering Institute - Inhibition of proteins biosynthesis by catabolizing enzyme (mice, rats)
- ** RO1CA-08893-07 Protein synthesis in normal and malignant cells (rats)
- ** RO1CA-10137-06 Structure of virus and low molecular weight RNA
- RO1CA-10298-06 Binding of antitumor agents to DNA
- RO1CA-10478-07 Lymphocyte proliferation in lymphocytic leukemia
- RO1CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
- RO1CA-10666-07 0004 Molecular pharmacology of tumor and virus inhibitors - Aminoaribicarbonyl acid and related triphenylmethane dyes (heLa cells, E coli)
- ** PO1CA-10893-06 0001 Cancer Research Center - RNA section (human, rats)
- ** PO1CA-10893-06 0004 Cancer Research Center - Low molecular weight nuclear RNA
- ** PO1CA-10893-06 0007 Cancer Research Center - High molecular weight RNA
- PO1CA-10893-06 0012 Cancer Research Center - Mitochondrial function in tumor growth (rats, rabbits)
- PO1CA-10893-06 0013 Cancer Research Center - Structural analysis of nucleic acids (human, rats)
- PO2CA-10895-06 0010 Adult leukemia research center - Molecular biology (human, dogs, birds)
- ** RO1CA-11262-06 Altered components of protein synthesis (bacteria, viruses)
- RO1CA-11799-04 Pathology of the nucleolus in experimental carcinogenesis (rats)
- RO1CA-11946-03 Carcinogenicity and metabolism of 5-nitrofurans (rats, mice, hamsters)
- RO1CA-12096-04 Discontinuous DNA synthesis in vitro (E coli, mammals)
- RO1CA-12166-02 Brain tumor micro-chemistry and chemotherapy
- PO1CA-12272-04 0003 Core program in carcinogenesis - Cellular proliferation in mammalian cells
- ** RO1CA-12301-03 Ribonucleoprotein particles of the cell nucleus (rats)
- ** RO1CA-12323-04 Biochemistry of RNA tumor virus replication
- RO1CA-12334-03 Action of aminonucleoside on normal and cancer cells
- RO1CA-12410-04 Role of mitochondria and cancer (yeast, E coli)
- RO1CA-12429-03 Molecular mechanisms of drug action (*Bacillus subtilis*)
- RO1CA-12540-03 Electro-optic instrumentation and applications in biology
- RO1CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
- PO1CA-12582-04 0009 Multidisciplinary cancer diagnosis and therapy - Adoptive immunotherapy
- RO1CA-12668-03 Pathology of the nucleus and chromosomes in cancer (human)
- PO1CA-12708-03 0002 Studies of normal and malignant growth - Ribosome structure and function (human, rats, rabbits, microorganisms)
- RO1CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
- RO1CA-12791-03 Pharmacology of platinum compounds (mice)
- RO1CA-12836-03 Biochemical basis of hormone responsiveness in breast (human, rats)
- ** RO1CA-12859-03 Biological C-methylation reactions (*Penicillium chitrium*)
- PO2CA-12924-03 0033 Tufts cancer research center - Control of immunoglobulin synthesis in mouse myeloma cells
- PO1CA-13038-03 0055 Experimental therapeutics and cancer drug program - Interaction of aflatoxin B1 metabolite with rat liver RNA
- PO1CA-13038-03 0058 Experimental therapeutics and cancer drug program - Metabolism of NG-isopentenyl adenosine in rat liver
- PO1CA-13038-03 0060 Experimental therapeutics and cancer drug program - Intestinal toxicity prevention by testosterone (mice)
- RO1CA-13080-03 Comparative carcinogenicity of tritium (mice)
- ** RO1CA-13080-03 Identification of viruses associated with human cancer (human, mice, guinea pigs)
- RO1CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)
- PO2CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
- RO1CA-13155-03 Early and critical events in chemical carcinogenesis (mice, rats)
- RO1CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
- ** RO1CA-13175-03 RNA processing in tumor and transformed cells (rats, mice, cats)
- RO1CA-13178-03 Oncogenic and hormonal control of RNA methylation (mice, rats)
- ** RO1CA-13190-02 Human tumor-Specific immunity

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-13296-02 Selective activation of pyrimidine antimetabolites (mice)
- P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
- ** P01CA-13330-03 0054 Cancer research program - Role of RNA-DNA hybrids in DNA synthesis and repair (human)
- R01CA-13401-03 5-BUdR effects on polyoma and SV40 transformed cells (mice)
- ** R01CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
- R01CA-13600-02 Pathology of chemical carcinogenesis (rats)
- R01CA-13608-03 Function of viral genes involved in transformation (rodents)
- P01CA-14051-02 0001 Center for cancer biology at MIT - Cancer virology (monkeys)
- ** R01CA-14169-03 RNA synthetic patterns as a biochemical test in leukemia (human)
- R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
- R01CA-14322-02 Anticancer action and mechanism of nucleotide analogs
- ** R01CA-14656-02 Polyenes as antitumor agents (mice)
- ** R01CA-14693-02 RNA mediated abrogation of lung cancer induced energy (human, guinea pigs)
- P01CA-14733-02 0006 Control of gene expression, virus replication and cell growth - Measurements of the secondary structure of RNA
- P01CA-14733-02 0014 Control of gene expression, virus replication and cell growth - Genetics and cell biology
- P01CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
- P01CA-14801-02 0006 Chemotherapy and regulation of oncogenic viruses - Control of oncornavirus expression (human, mice)
- P01CA-14801-02 0008 Chemotherapy and regulation of oncogenic viruses - Chromosomal protein-Changes associated with oncornavirus infection
- R01CA-14826-02 Quantitative study of carcinogenesis by hydrocarbons (mice)
- ** R01CA-14846-02 Mechanism of action of antitumor immune RNA (rodents)
- R01CA-14868-02 Messenger RNA biogenesis in virus transformed cells (rats)
- R01CA-14920-02 Acidic chromatin proteins and carcinogens (rats, chickens)
- ** R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
- R01CA-14980-01 Polycyclic carcinogen-nucleic acid interactions
- R01CA-14991-02 Renewal of premalignant and malignant intestinal cells (human, hamsters)
- R01CA-15056-01 Antineoplastic peptides from urine
- R01CA-15111-01 Pharmacology and biochemistry of the oncogene, diosane
- P02CA-15145-01 0009 Cancer center support grant - Nuclear proteins and transcription of chromatin from trophoblast (hamsters)
- P02CA-15145-01 0015 Cancer center support grant - Metabolism of murine L-1210 leukemic cells
- R01CA-15233-01 An in vitro model of carcinogenesis of pancreas (organ culture)
- R01CA-15270-01 Metabolic characteristics of chemical carcinogenesis (rats)
- R01CA-15378-01 Radiation-induced modifications in protein synthesis (human, Tetrahymena)
- ** R01CA-15389-01 Fate of RNA in malignant and normal cells (mice, Xenopus)
- R01CA-15397-02 Drug sensitivity of mammalian cells in plateau phase
- ** R01CA-15464-02 The structure and replication of tumor virus RNA
- R01CA-15615-01 Effects of hydrazines on RNA and polyamines (rats)
- P01CA-15655-01 0024 Cancer center support grant - mRNA sequences in nuclear RNA (rabbits)
- ** R01CA-15802-01 Crystalline complexes of RNA with small molecules (yeast)
- R01CA-15826-01 Metal binding to polynucleotides-Probes and drugs
- P01CA-15848-01 New approaches to tumor immunotherapy
- R01CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
- R01CA-16182-01 Chemical carcinogenesis-Cause and prevention
- P01CA-16359-01 0008 Cancer center support grant - Plasmid replication in E coli
- ** P01CA-16359-01 0010 Cancer center support grant - Physical mapping of RNA transcription regions
- R01CA-16895-01 mRNA synthesis and turnover in tumor cells (mouse L-cells)
- ** R01CA-17104-01 RNA-associated transfer factors in tumor immunity
- N01CB-02320-07 Immunological studies of murine RNA oncogenic viruses (rats)
- ** N01CB-43949-00 Subcellular fraction in immunotherapy-Tumor specific immunity with RNA
- N01CM-12186-04 Development of inhibitors to RNA methylation (mammals nonhuman)
- N01CM-43786-00 Characterization of antitumor drugs: effects on polynucleotide metabolism
- N01CP-22022-05 Induce neoplasia in vivo and in vitro (mice, rats)
- N01CP-23205-02 Research on the transfer of tumor immunity (monkeys, guinea pigs)
- N01CP-33220-01 Alteration in translation of genetic messages by viruses and carcinogens
- N01CP-33283-02 Search for hybridizable tumor virus DNA in tissues from cancer patients
- N01CP-33293-03 Study role of virion-associated DNA polymerase
- N01CP-33332-01 Hormonal control of gene expression (mammals nonhuman)
- N01CP-33339-02 Human milk and mammary tumors (chickens)
- N01CP-33348-02 Study the leukemia virus DNA polymerase
- N01CP-33365-02 Molecular virology studies of human leukemias
- N01CP-43385-00 Regulation of gene expression in mouse mammary cancer
- R01DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
- R01DA-00116-03 Cellular sites of action of marijuana constituents (rats)
- R01DA-00710-01 Role of RNA and protein metabolism in addiction
- P13DE-02600-08 0018 Planning of a research center in oral biology - Keratinization of epidermis and oral epithelium
- P13DE-02623-08 0012 Center for oral health research - Collagen synthesis and extrusion by fibroblasts in culture
- P13DE-02623-08 0017 Center for oral health research - Growth, morphology and lactic acid metabolism of bacteria
- P13DE-02623-08 0024 Center for oral health research - Replication of herpes simplex virus (type 1 oral) in synchronized mammalian cell
- POIDE-02848-06 0010 Biology of connective tissue, bones and teeth - Genetic regulation during salivary gland development (rabbits, mice)
- POIDE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)
- ** ROIDE-03348-03 Altered RNA metabolism on salivary glands
- ROIDE-03569-02 Intercellular communication during tooth formation (mice)
- POIES-00049-10 0005 Mode of action and metabolism of organic toxicants - Chlorinated hydrocarbons-2,3,7,8-tetrachlorodibenzo-p-dioxin (rats, mice)
- PI0ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
- PI0ES-00210-07 0020 Center for environmental management - DDT and transfer RNA metabolism (rats)
- ** ROIES-01033-03 Damage to nucleic acids by bisulfite-Sulfur dioxide (E coli, rats, rabbits)
- ROIEY-00362-07 Control of cell division in the ocular lens (rabbits)
- POIEY-00785-03 0006 Vision research center - RNA dependent DNA polymerase in ocular tumors (human, animals)
- ROIEY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- R01GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
- ** R01GM-09042-13 Structural basis of ribonucleic acid specificity (mammals, bacteria)
- R01GM-09654-13 Histone metabolism (liverwort, insects)
- P01GM-10403-12 0001 Biophysical studies on viral structure and function - Polymerization of TMV protein
- R01GM-10499-12 Chromosome structure in relation to gene action (amphibians, plants, insects)
- R01GM-10692-12 Biophysical studies on macromolecules (E coli, yeasts)
- R01GM-11518-11 Fine structure of nucleic acids
- R01GM-11726-11 Gene expression and content in cell differentiation (human, mice)
- R01GM-12179-10 Developmental control mechanisms (Euglena, B subtilis)
- R01GM-12589-10 Structure and reactions of nucleic acids (E coli)
- R01GM-12805-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)
- ** P01GM-13543-09 0008 Cellular and molecular pathology - RNA transcription and cell proliferation
- R01GM-13762-09 Molecular basis of genetic control (rat, Drosophila, mold, sea urchin, toad)
- P01GM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
- R01GM-14237-09 Electron microscopy of macromolecular systems (mammals, E coli)
- R01GM-14523-08 Nucleic acid interactions
- P01GM-14552-08 0019 Normal and abnormal cell growth multidiscipline study - Mechanism of stabilization of synthetic capacity for hemoglobin
- R01GM-14825-08 Conformation of tRNA and model oligonucleotides
- ** R01GM-14957-07 R-RNA, ribosome synthesis in bacteria and animal cells
- P01GM-15003-13 0013 The biological functions of metals - Intracellular enzyme inhibitors (human, E coli, plants)
- ** R01GM-15156-07 Biochemical interrelations of nucleus and cytoplasm (protozoa, mammals)
- R01GM-15327-16 Ultracentrifugal studies of biological macromolecules (mice, human)
- ** R01GM-16952-05 Alkylation of synthetic polynucleotides (bacteria)
- R01GM-17129-04 Ribosome structure and function (E coli)
- R01GM-17436-04 Physical studies of altered ribosomal subunits (E coli)
- R01GM-18243-04 Organization of DNA conformation in chromosomes (E coli, Neusssa, hamsters)
- R01GM-18293-04 Genetics of bacterial ribosomes
- R01GM-18669-06 Chromaphenical-induced marrow aplasia-Pathogenesis (human, monkeys, dogs)
- R01GM-18881-09 Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle)
- ** R01GM-18958-06 Mechanisms of phage RNA-stimulated protein synthesis
- R01GM-19060-03 Sequence-dependence of polynucleotide configuration
- R01GM-19076-03 The transfer of genetic information (rabbits)
- R01GM-19084-03 Ribonuclease inhibition by inducing agents (rats, mice)
- R01GM-19130-03 Developmental genetics of spermatid differentiation (Drosophila)
- R01GM-19179-03 Nucleotide sequence changes in evolution (Drosophila)
- R01GM-19194-03 Regulation of gene replication and gene multiplicity (Drosophila)
- ** R01GM-19195-02 RNA sequence analysis and base-specific antibodies
- R01GM-19334-02 Physical properties of isolated nuclei and chromosomes (rats, chickens)
- ** R01GM-19506-02 Low molecular weight RNAs of CHO tissue culture cells (hamsters)
- R01GM-19719-02 Control of cell division (human, mice)
- R01GM-19807-02 0012 Membrane permeability as a regulatory element - Respiratory development and depression (plants)
- R01GM-19821-01 Genetics of ribonucleases and RNA degradation (E coli)
- R01GM-19835-02 Ribosomes of hybrid cells and tumor virus effects (mice, hamsters)
- R01GM-19883-01 Polyamines-Model gene regulators
- R01GM-20052-02 Ribosome structure-Analysis by reaction with methanol (E coli)
- R01GM-20275-02 Phosphorescent triplet state of polynucleotides
- R01GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- R01GM-21204-01 Transcription of chloroplast DNA of C. reinhardtii
- R01GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, Drosophila)
- ** R01GM-21357-01 Processing and turnover of cell nuclear RNA (human)
- R01GM-21431-01 Structural studies of RNA (yeasts, E coli)
- RO1HD-00391-15 Regulation of enzyme action during development
- PO1HD-01799-09 0008 Mental retardation research center - Developmental biochemistry of steroids (rats)
- N01HD-02149-04 Control of ovulation and corpus luteum function (rodents)
- RO1HD-03677-07 Skeletal cell and matrix changes during aging (mice)
- R22HD-03741-12 Infant malnutrition (human, rats, swine)
- ** RO1HD-03753-06 Control of protein synthesis during embryogenesis (sea urchins)
- ** RO1HD-04072-06 Placental and fetal RNA metabolism (rats)
- PO1HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
- RO1HD-05753-05 Oogenesis and gene control in reproduction
- ** PO1HD-05796-03 0001 Aging in connective tissue, brain and auditory system - Organization of chromatin proteins and RNA (mice, dogs)
- RO1HD-05803-04 Nuclear proteins in gametogenesis and embryogenesis (rats, mice, sea urchins)
- PO1HD-05874-04 0006 Biochemical regulation of aging processes - Test for the genetic error theory of aging (rats)
- PO1HD-05894-04 0007 Genetic childhood diseases and aging - Nature and clinical use of transfer factor (human)
- RO1HD-06020-03 Maturation of mammalian oocytes (mice)
- RO1HD-06071-03 Control of differentiation in lymphocytes (rats, mice)
- RO1HD-06282-03 Macromolecular interactions during nuclear differentiation (animals)
- PO1HD-06321-02 0002 Genetic aspects of human fetal development - Development and differentiation in early mammalian embryos (human, rats)
- PO1HD-06323-03 0002 Cellular senescence and control of cell proliferation - Translation and macromolecular turnover in cellular aging (human, SV40)
- RO1HD-06448-03 DNA and protein metabolism during oogenesis (amphibians)
- PO1HD-06645-03 0012 Center for population research - Effects of estrogens on the prostate and seminal vesicles (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01HD-06645-03 0016 Center for population research - RNA produced in response to androgens and estrogens (mammals, chick embryo)
- ** P01HD-06645-03 0020 Center for population research - Role of RNA in mediating effects of sex hormones
- P01HD-06645-03 0036 Center for population research - Preimplantation embryo (mice)
- P01HD-06706-02 Hormonal control of growth and development (chickens, rats, human)
- P01HD-06851-02 Regulation of leaf senescence by plant hormones
- P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leucocytes in fetal malnutrition (guinea pigs, primates)
- P01HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- P01HD-07036-02 Biochemistry of placental development and function (continued)
- P01HD-07359-03 Gene function during post-natal development and aging (rats, mice)
- P01HD-07495-02 0016 Center for population research, studies in reproductive biology - Mechanism of action of gonadotropins (rats)
- P01HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
- P01HD-08436-02 Estrogen receptors and reproductive function (rats)
- P01HD-08641-01 Aging and metabolism in skeletal muscle (rats)
- P01HD-22752-04 Changes in the luteolytic process in human corpora lutea
- P01HL-04442-16 Mitochondrial assembly and replication (fungi, mammals)
- P01HL-09921-09 0005 Mechanisms of congestive heart failure - Action of aldosterone in mammalian renal tubules (rats)
- P01HL-10042-09 Steroidal regulation of active sodium transport (toads)
- P01HL-13293-03 Regulation and control of hemoglobin synthesis (rabbits)
- P01HL-13767-03 Steroid hormone effects on fibrinogen synthesis (chicks)
- P01HL-16137-01 0008 Alveolar biology - Macromolecular events in pulmonary cells in toxic environments (animals)
- P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- P01MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- ** P01NS-04656-11 Protein synthesizing machinery (frogs)
- P01NS-06663-08 0022 Cerebrovascular clinical research center - Nerve chemical changes in cerebral ischemia (rabbits)
- P01NS-07286-07 UV spectroscopic study of membrane proteins and DNA
- P01NS-08365-07 Embryology of the inner ear (mice)
- P01NS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
- P01NS-09283-05 Polyribosomes in human dystrophic muscle
- ** P01NS-09299-04 Macromolecular control of neuronal function (squid, Myxocela, rats)
- ** P01NS-09603-04 The biochemical effects of sensory deprivation (chicks)
- ** P01NS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)
- P01NS-10270-01 Molecular pharmacological correlates of behavior (fish)
- ** P01NS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
- P01NS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
- P01NS-10821-02 Chemistry and metabolism of CNS myelin-free axons (cattle, rat)
- ** P01RR-00262-09 0042 General clinical research center - Transfer of delayed hypersensitivity in man with human immune RNA
- S06RR-08033-03 Inhibitors of DNA and RNA and renin in human tissues (Norfolk State College)

NUCLEIC ACIDS, RNA

- SEE ALSO GENETICS, GENETIC CODING
- SEE ALSO NUCLEIC ACIDS, RRNA
- SEE ALSO NUCLEOPEPTIDES
- ** P01AI-00957-19 RNA function in viral infected and uninfected cells
- P01AI-04783-12 The role of nuclear cap RNA in fungal development
- P01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
- P01AI-08697-06 The role of mononuclear leucocytes in viral immunity (human, mice, rabbits)
- P01AI-08722-06 Molecular studies on phage P2 and its satellite, P4
- P01AI-08738-06 Control mechanisms in phage-host cell interactions
- P01AI-08814-06 Regulation of viral RNA translation
- P01AI-09288-05 Subcellular components of bacterial and animal cells (mice)
- ** P01AI-09456-05 Control of messenger RNA synthesis

- P01AI-10019-04 Rex, a lambda gene not subject to cl repression (bacteriophage)
- P01AI-10076-07 Mechanisms of antibiotic resistance in microorganisms (fungi, bacteria, viruses)
- P01AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
- P01AI-10241-04 Encystment in free-living, invasive amoebas
- P01AI-10243-04 Control of gene expression in viral infection
- P01AI-10610-03 Protein metabolism in yeast
- P01AI-10685-03 Immunoglobulin gene analysis by RNA-DNA hybridization (mice)
- P01AI-11301-02 Protein synthesis in T-4 bacteriophage-infected cells (E coli)
- P01AI-11323-02 Regulation of development of bacteriophage SP01 (bacteria)
- P01AI-11427-01 Virus replication and transformation
- ** R2ZAI-11478-02 Control of bacterial lysis by viruses and plasmids (mice, rabbits)
- ** P01AI-11493-02 Immunoglobulin synthesis in myeloma cells
- ** P01AI-11518-01 Functional viral mRNA made without protein synthesis
- P01AI-11648-01 Adenovirus gene expression in vitro and in vivo (E coli)
- P01AI-11839-02 Molecular biology of vaccinia virus replication
- P01AI-11868-01 Regulatory mechanisms in virus development
- P01AI-11887-01 Structure and synthesis of immunoglobulins (human, mice)
- P01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
- P01AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
- P01AI-12467-01 Transcription and translation of NDV RNA
- P01AM-02818-16 Biochemical analysis of the action of insect hormones
- P01AM-03535-15 Mode of action of steroid hormones (rats)
- P01AM-04842-13 Endocrine regulation of protein synthesis (rats, viruses)
- P01AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- ** P01AM-08154-10 0001 Genetic control of hemoglobin synthesis - Translation control of Hb S, Hb A and Hb F in cell free systems (human)
- P01AM-08445-10 0002 Biology of skin of man and other primates - Androgen action on sebaceous glands (hamsters)
- P01AM-08575-10 Biosynthesis of human and rabbit hemoglobins
- P01AM-09012-10 Studies on vitamin D and calcium metabolism (human, animals)
- P01AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- P01AM-12401-08 Protein synthesis in erythroid precursors (human)
- P01AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
- P01AM-13149-07 Hormonal regulation of control mechanisms (rats, chick)
- P01AM-13238-06 Protein synthesis in muscle (chick embryos)
- P01AM-13324-06 Nutritional-hormonal control of G-6-P04 dehydrogenase (rats)
- P01AM-13431-09 Mechanisms in hemoglobin synthesis and destruction (human, dogs)
- P01AM-13983-05 Genetic control of hemoglobin synthesis, (mice, rabbits)
- P01AM-14706-03 Polyamines and RNA synthesis during liver regeneration (rats)
- P01AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
- P01AM-15322-08 Lysis of red cells by hemoglobin and membrane disease (human)
- P01AM-15360-03 Regulation of HGPRTase levels in human cells (rabbits)
- P01AM-15403-03 RBC differentiation (newts)
- P01AM-15492-03 Molecular pathology of beta-thalassemia (human)
- P01AM-15782-03 Renal electrolyte actions of certain hormones (rats)
- P01AM-16162-03 Collagen synthesis and its regulation (chick embryo)
- P01AM-16272-03 Regulation of hemoglobin synthesis and hematopoiesis (rats, rabbits)
- P01AM-16610-01 Sickle cell anemia and hemoglobin synthesis (monkeys)
- P01AM-16636-02 Metabolic effects of thyroid hormones in cell culture (cattle, rats)
- P01AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
- P01AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- P01AM-16781-02 Ferritin synthesis in normal and malignant cells (rats, human)
- ** P01AM-16865-02 Isolation of proinsulin mRNA (hamsters)

- ** P01AM-16971-01 Specific polysome isolation in human cells (also rabbits)
- P01AM-16986-02 Biochemical effects of selenium in tRNA (E coli, yeast, animals, plants)
- P01AM-17060-01 Studies of thyroglobulin synthesis (cattle)
- ** P01AM-17310-01 Thyroglobulin mRNA-isolation and characterization (rats, human)
- ** P01AM-17609-01 Protein synthesis in normal and regenerating liver (rabbits)
- ** P17AM-17702-01 0003 Hepatitis cirrhosis center - Hepatic protein synthesis (rabbits, marmosets, clams)
- ** P01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- P01CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)
- ** P01CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)
- P01CA-05262-14 Iodoxyuridine, iodo-DNA and biological activity (mice)
- P02CA-06516-12 0033 Cancer center support grant-Comprehensive - Poly A metabolism in normal and tumor cells (hamsters)
- P02CA-06519-12 0050 Radiation therapy and biology research program - Molecular mechanism in the control of viral gene expression
- P01CA-06927-12 0014 Biological and biochemical program in cancer research - Basic mechanisms of protein synthesis (rats, bacteria)
- ** P01CA-06927-12 0017 Biological and biochemical program in cancer research - Growth and differentiation of plant systems
- ** P01CA-06927-12 0021 Biological and biochemical program in cancer research - Cytodifferentiation (sea urchins)
- ** P01CA-06927-12 0023 Biological and biochemical program in cancer research - Relationship of ribosomes to proteins biosynthesis
- P02CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
- ** P01CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
- P01CA-07175-11 0010 Cancer research at the McArdle laboratory - Mechanism of action of estrogens (rats)
- P01CA-07175-11 0015 Cancer research at the McArdle laboratory - Initiation and patterns of transcription during virus development
- ** P01CA-08416-09 Control of transcription and translation in mammalian cells
- P02CA-08480-09 0001 Childhood cancer research center - Ribosome particles, their formation and function (E coli)
- ** P01CA-08748-09 5735 Research program of Sloan-Kettering Institute - Messenger RNA binding to ribosomal subunits
- P01CA-08748-09 6609 Research program of Sloan-Kettering Institute - Coupling between DNA replication and histone synthesis in the mitotic cycle
- P01CA-08748-09 6707 Research program of Sloan-Kettering Institute - Multiplication of reovirus temperature-sensitive mutants
- P01CA-10628-07 Structure and function of ribosomes (mammals, yeast)
- ** P01CA-10666-07 0004 Molecular pharmacology of tumor and virus inhibitors - Aurotricarboxylic acid and related triphenylmethane dyes (HeLa cells, E coli)
- P01CA-10815-06 0029 Consolidated basic cancer research program - Regulation and transcription of free and integrated SV40 genome (monkeys)
- ** P01CA-10815-06 0050 Consolidated basic cancer research program - Protein initiation in reovirus mRNA (human cells)
- P01CA-10904-06 Biochemical studies in cancer (mice, rats)
- P01CA-10922-06 Metabolism of animal cell ribosomes (human)
- P01CA-10984-06 Structure and function of ribonucleic acids (bacteria, bacteriophage)
- P01CA-11463-05 Regulation of histone biosynthesis in heteroploid cells (HeLa cells)
- ** P01CA-11797-05 mRNA translation in normal and neoplastic cells (mammals, microorganisms, yeasts)
- ** P01CA-11948-03 The relation of tRNA to oncogenesis
- ** P01CA-12174-04 0008 Growth and cell control processes - Synthesis of DNA complementary to natural messenger RNA
- ** P01CA-12174-04 0022 Growth and cell control processes - Messenger RNA metabolism (human, animals)
- ** P01CA-12174-04 0024 Growth and cell control processes - Adenovirus metabolism (human)
- P01CA-12174-04 0026 Growth and cell control processes - Control mechanisms concerned with chromosome replications (animals)
- P01CA-12227-04 0004 Core program in carcinogenesis - HeLa S-3 cell histone messenger RNA
- P01CA-12227-04 0025 Core program in carcinogenesis - Inhibition of RNA synthesis by ethionine in rat liver (also human)
- P01CA-12235-09 Nucleic acid methylating enzymes (mammals, human, E coli, viruses)
- ** P01CA-12301-03 Ribonucleoprotein particles of the cell nucleus (rats)
- P01CA-12365-03 Inbred dwarf hamsters for biomedical research

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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R01CA-12411-04 Post-transcriptional control in eukaryotic cells (rats)
 ** R01CA-12413-03 Free and membrane-bound polysomes
 ** R01CA-12421-02 Isolation and sequence analysis of immunoglobulin mRNA (mice)
 ** R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
 R01CA-12557-03 SV40-Genetic analysis and oncogenic transformation
 R01CA-12686-02 Differentiation during progression to malignancy (rabbits)
 R01CA-12693-03 Modification of x-ray induced damages in phase T4
 P01CA-12708-03 0010 Studies of normal and malignant growth - Chromatin structure in eukaryotic cells (human)
 P01CA-12708-03 0011 Studies of normal and malignant growth - Free and membrane-bound ribosomes in animal cells
 ** R01CA-12737-03 RNA and protein metabolism of acute leukemia cells (human)
 R01CA-12752-03 Protein synthesis in tumors (mice, bacteria)
 P01CA-12800-03 0001 Immune functions and cancer - Proliferation and differentiation of lymphoid cells (human, mice)
 P01CA-12800-03 0003 Immune functions and cancer - Differentiation (mice, frogs)
 R01CA-12800-03 Protein initiation in a model mammalian cell-free system (chick embryo)
 R01CA-13008-03 Control of protein synthesis in viral oncogenesis
 P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
 P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
 P01CA-13330-03 0023 Cancer research program - Virus-host cell interaction
 P01CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)
 P01CA-13330-03 0035 Cancer research program - Genetic approach to RNA metabolism of eukaryotes (yeast)
 P01CA-13330-03 0039 Cancer research program - Interaction of oncogenic viruses (human, monkeys, hamsters)
 P01CA-13330-03 0040 Cancer research program - Reovirus and friend leukemia (mice, rats)
 P01CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
 P01CA-13330-03 0046 Cancer research program - Replication of VSV in Friend virus-infected mouse cells
 P01CA-13330-03 0056 Cancer research program - Cell growth and morphogenesis (fungi)
 R01CA-13400-02 Macromolecular events in synchronized tumor cells
 R01CA-13422-02 Biochemical studies of rat hepatoma cells in culture
 P01CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)
 R01CA-13596-03 Directed protein synthesis in mammalian cells (rabbits, mice, HeLa cells)
 P02CA-13943-02 0011 Clinical pharmacology immunology cancer research center - Inhibition of RNA and protein synthesis
 ** R01CA-13953-02 Control of myeloma tumor growth (mice)
 ** R01CA-13971-02 Informational RNA in plasma cell neoplasms (myelomas, human, mice)
 P01CA-14089-01 0005 Pilot multidisciplinary cancer research program - Effect of bromodeoxyuridine on gene expression (bacteria)
 P01CA-14097-02 0006 Cancer research program-Viruses; control mechanisms - Regulation of nucleic acid synthesis and genetic recombination (bacteriophage)
 ** P01CA-14097-02 0012 Cancer research program-Viruses; control mechanisms - Tumor virus transformation-mRNA synthesis (mammals)
 R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
 R01CA-14162-01 Carcinogen interactions in regenerating liver (rats)
 P01CA-14193-02 0013 Comparative leukemia studies unit - Status of the viral genome (cattle, rats)
 ** P01CA-14599-01 0013 University of Chicago Cancer Research Center - Ribonucleoprotein complexes in cell nuclei (mice)
 P01CA-14733-02 0001 Control of gene expression, virus replication and cell growth - Interferon-mechanism of action
 P01CA-14733-02 0002 Control of gene expression, virus replication and cell growth - Double-stranded RNA in vaccinia-infected cells
 P01CA-14733-02 0006 Control of gene expression, virus replication and cell growth - Measurements of the secondary structure of RNA
 P01CA-14733-02 0013 Control of gene expression, virus replication and cell growth - Differentiation of muscle cells (mammals)
 P01CA-14733-02 0022 Control of gene expression, virus replication and cell growth - Mechanisms of interferon action and viral protein synthesis

** P01CA-14733-02 0023 Control of gene expression, virus replication and cell growth - Protein-nucleic acid interactions (mammals)
 R01CA-14780-02 Transport by membrane vesicles of cultured tumor cells
 ** R01CA-14868-02 Messenger RNA biogenesis in virus transformed cells (rats)
 P02CA-15145-01 0036 Cancer center support grant - Translation phenomena in normal and neoplastic cells
 R01CA-15378-01 Radiation-induced modifications in protein synthesis (human, Tetrahymena)
 R01CA-15389-01 Fate of RNA in malignant and normal cells (mice, Xenopus)
 R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
 ** R01CA-15613-01 Translation of RNA virus messengers
 R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
 P01CA-15655-01 0024 Cancer center support grant - mRNA sequences in nuclear RNA (rabbits)
 R01CA-15671-01 Myeloma proteins, mechanisms of synthesis regulation
 P01CA-15823-01 0006 Program in developmental biology of cancer - Structure and replication of oncornaviruses
 ** R01CA-15940-01 Determining sequences from hemoglobin messenger RNA
 ** R01CA-16006-01 RNA and growth control in animal cells
 R01CA-16007-01 Gene expression of oncogenic viruses
 P01CA-16038-01 0004 Program on the molecular basis of viral transformation - Viral genetic information in SV-40 transformed cells (human, monkeys, mice)
 P01CA-16038-01 0005 Program on the molecular basis of viral transformation - Isolation and purification of interferon (mice)
 P01CA-16038-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids
 P01CA-16038-01 0009 Program on the molecular basis of viral transformation - SV40 proteins
 ** P01CA-16038-01 0010 Program on the molecular basis of viral transformation - Control of transcription and translation (bacteriophage)
 P01CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
 ** P01CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
 P01CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
 R01CA-16309-01 Carcino fetal isoformities (human)
 R01CA-16318-01 Molecular mechanisms in resistance to folate analogues (mice)
 R01CA-16368-01 Control of differentiation of erythroleukemic cells (human, mice)
 R01CA-16890-01 Chemotherapeutic deoxyribonucleosides
 ** R01CA-16895-01 mRNA synthesis and turnover in tumor cells (mouse L-cells)
 ** R01CA-16913-01 Processing of RNA in eucaryotic cells (HeLa cells, fungi)
 N01CP-22046-02 Isolation and chemical characterization of specific antigens (human, goats)
 P01DE-02848-06 0001 Biology of connective tissue, bones and teeth - Cellular-molecular interactions in odontogenesis (rabbits, chick embryo, mice)
 P01DE-02848-06 0011 Biology of connective tissue, bones and teeth - Translational regulation during cranial facial development (rats)
 R01DE-03861-01 Regulation of collagen biosynthesis (tissue culture)
 R01ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)
 R01EY-00759-03 Aging and the ocular lens (cattle)
 ** R01GM-08647-13 Mechanism of messenger-RNA translation (microorganisms)
 R01GM-09042-13 Structural basis of ribonucleic acid specificity (mammals, bacteria)
 R01GM-09320-13 Control of genome expression (bacteria)
 ** R01GM-09541-13 Role of ribonucleic acid in protein synthesis
 R01GM-09738-13 Genetic and biochemical study of tryptophan synthetase (bacteria)
 R01GM-10017-12 Chemical forces stabilizing protein structure (yeasts, plants, mammals)
 R01GM-10840-16 Structure and function of nucleic acids (microorganisms)
 ** R01GM-10999-10 Mammalian messenger RNA and protein biosynthesis (mice)
 P01GM-11301-12 0002 Structure, function and biosynthesis of macromolecules - Control mechanism in synthesis of macromolecules (Blastocystis, phage)
 R01GM-11726-11 Gene expression and content in cell differentiation (human, mice)
 ** R01GM-11895-11 The mechanism of gene activation during development (microorganisms)
 R01GM-12010-11 Enzymatic synthesis of nucleic acids (bacteria, viruses)
 R01GM-12228-11 Biosynthesis of respiratory enzymes (fungi)

R01GM-12522-10 Enzymic mechanisms in biosynthetic pathways (microorganisms)
 ** R01GM-12605-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)
 ** R01GM-13017-09 The chromosomal sites regulating operon expression (E coli)
 R01GM-13434-09 Transcription and translation in mammalian cells
 P01GM-13882-09 0002 Cell transformations, division and motion - Cell differentiation (chick embryo, sea urchin, Blastocystis, Drosophila)
 P01GM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
 P01GM-14552-08 0007 Normal and abnormal cell growth multidisciplinary study - Molecular basis of the cellular defect in β thalassemia (human)
 P01GM-14552-08 0016 Normal and abnormal cell growth multidisciplinary study - Factors affecting the sickling phenomenon (human)
 R01GM-14652-00 Genetic control of protein synthesis in E coli
 ** R01GM-14931-08 Enzyme synthesis and degradation in metabolic control (mice, chickens)
 R01GM-14957-07 R-RNA, ribosome synthesis in bacteria and animal cells
 R01GM-15122-07 Initiation and peptide synthesis in vitro (wheat)
 ** P01GM-15253-08 0025 Genetics in medicine-Gene action in man - Isolation and base sequence of normal and mutant m RNA
 R01GM-15255-09 Mutation and suppressor studies of a bacterial gene
 R01GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
 P01GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
 ** P01GM-15423-07 0025 Molecular basis of control mechanisms - Gene control in phage lambda
 R01GM-16320-06 Biogenesis of mitochondria (yeast)
 R01GM-16541-06 Biochemical genetics of Neurospora circadian rhythms
 R01GM-16648-06 Cell-free systems for the study of gene regulation (E coli)
 R01GM-17078-05 Genetic and chemical studies of phage lambda development
 ** R01GM-17973-04 Role of nucleic acids in cell differentiation (mice, rats, rabbits, E coli)
 ** R01GM-17995-03 Embryonic chromosomal proteins and their RNA templates (sea urchins)
 ** R01GM-18079-03 RNA synthesis during differentiation (Drosophila)
 R01GM-18103-02 Mitochondrial biogenesis during oogenesis (Xenopus laevis)
 P01GM-18153-04 0001 Gene control of mammalian cell differentiation - Gene transcription during erythroid cell differentiation (mice, human)
 P01GM-18153-04 0017 Gene control of mammalian cell differentiation - Antenatal diagnosis of sickle cell anemia (human)
 R01GM-18186-12 Control mechanisms of protein synthesis (mammals)
 R01GM-18483-04 Drugs and gene activation (plants)
 R01GM-18541-04 Structural analysis of crystalline ribosomes (chick embryo)
 R01GM-18586-03 Nucleotide sequencing methods for oncogenic viruses
 R01GM-18729-02 Genetic regulatory mechanism in cellular differentiation(Drosophila)
 ** R01GM-18775-03 Factors controlling protein biosynthesis (E coli, bacteriophage T4)
 R01GM-18796-03 Genetic code, protein synthesis in mammalian systems (rabbits)
 R01GM-18855-03 Ribosome function in eukaryotes
 R01GM-18881-09 Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle)
 R01GM-18904-03 Regulation of differentiation in germinating spores
 ** R01GM-18953-03 Specific M-RNA control by canavanine and arginine (bacteria)
 ** R01GM-19076-03 The transfer of genetic information (rabbits)
 R01GM-19096-03 Molecular basis of differentiation (beets)
 P01GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycocycete (Blastocystis, emersonii)
 P01GM-19100-03 0023 Genetics research center - RNA and ribosome synthesis (HeLa cells, yeast)
 R01GM-19194-03 Regulation of gene replication and gene multiplicity (Drosophila)
 R01GM-19375-03 Control of enzyme activity in mammalian cells (hamsters, Escherichia coli)
 P01GM-19513-03 0007 Human genetics - Control of hemoglobin synthesis in A/S heterozygotes
 R01GM-19641-01 Protein biosynthesis in mitochondria (E. gracilis, HeLa cells, rats)
 ** R01GM-19670-02 Transcription and translation regulatory signals (E coli)
 R01GM-19756-02 Polysomes and subunits structure function relationships

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RO1GM-19821-01 Genetics of ribonucleases and RNA degradation (E coli)
 RO1GM-19843-02 Fluorescence and chemical studies on ribosomes (bacteria, mammals subhuman)
 RO1GM-19995-02 Protein synthesis activation in sea urchin eggs
 RO1GM-20069-02 Genetic control of protein structure and synthesis (human, mammals)
 ** PO1GM-20124-02 0010 Center for human genetics and inherited disease - Hemoglobin mRNA in thalassemia (human)
 RO1GM-20230-02 Application of fluorescent nucleotide affinity probe (microorganisms)
 RO1GM-20296-01 Polyribosomes in bacterial spores
 RO1GM-20418-01 Method for determining units of transcription
 RO1GM-20427-02 Genetics and biochemistry of ribosome biosynthesis (E coli)
 RO1GM-20483-01 Transcription of chromatin in vitro (rabbits)
 RO1GM-20494-01 Detailed Lac operator functional characterization (E coli)
 RO1GM-20535-01 Gene regulation during cell cycle by acidic nuclear prot (human)
 RO1GM-20639-02 Transcriptional controls in proviral and viral systems
 ** RO1GM-20767-01 Messenger RNA and differentiation of animal cells (mice, sea urchins)
 ** RO1GM-20818-01 Regulation of ovalbumin synthesis in chick oviduct
 PO1GM-20927-01 0005 Sequence structure of eukaryotic genome - Mapping globin genes (mice, rabbits, ducks)
 ** RO1GM-21000-01 Regulation of growth hormone messenger RNA (rats)
 RO1GM-21002-01 Aminoacyl-tRNA synthetase formation in animal cells
 RO1GM-21020-01 Ultrastructural studies of genetic activity (animals)
 RO1GM-21060-01 Membrane-bound ribosomes in chloroplasts and bacteria
 RO1GM-21120-01 Chromosome DNA regulatory regions (lambda phage, rodents, rabbits, Xenopus, HeLa)
 RO1GM-21137-01 Genetic control of development (Drosophila)
 ** RO1GM-21168-01 The control, assembly and formation of proteins (viruses, bacteria, mice)
 RO1GM-21243-01 Gene mapping by a molecular approach (rabbit)
 ** RO1HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, vira)
 RO1HD-02552-08 Cellular aspect of human genetics and immunology
 RO1HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
 RO1HD-03316-06 Protein synthesis in muscle differentiation (chick embryo)
 ** RO1HD-03753-06 Control of protein synthesis during embryogenesis (sea urchins)
 RO1HD-04214-05 Control of transcription during spore germination (bacteria)
 RO1HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
 RO1HD-04701-05 Developmental biology (moths)
 PO1HD-05342-04 0001 Mental retardation and brain development - Brain protein synthesis in hyperaminoacidemias (rats)
 RO1HD-05602-04 Control of protein synthesis in developing organelles (protazoa, yeasts)
 ** RO1HD-05671-03 0034 Center for population research - Specific and heterospecific transfer of hormone action by mRNA
 PO1HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)
 ** RO1HD-05797-04 0009 Population and reproductive biology - Proof of mRNA hypothesis in steroid hormone action (chickens, rabbits)
 PO1HD-05874-04 0001 Biochemical regulation of aging processes - Age-dependent control of enzyme adaptation (rats)
 PO1HD-05874-04 0002 Biochemical regulation of aging processes - Age dependent P-enolpyruvate carboxylase regulation in liver (rats)
 PO1HD-05874-04 0006 Biochemical regulation of aging processes - Test for the genetic error theory of aging (rats)
 PO1HD-06321-02 0002 Genetic aspects of human fetal development - Development and differentiation in early mammalian embryos (human, rats)
 PO1HD-06323-03 0002 Cellular senescence and control of cell proliferation - Translation and macromolecular turnover in cellular aging (human, SV40)
 RO1HD-06461-03 Developmental defects in Drosophila mutants
 ** RO1HD-06574-04 Developmental regulation of macromolecular metabolism
 RO1HD-06683-01 Role of chromatin embryonic determination (sea urchin)
 ** RO1HD-06727-03 Messenger RNA translation during embryogenesis (sea urchins)
 RO1HD-06902-02 Regulation of protein synthesis in early development (ciliates, sea urchins)

PO1HD-07495-02 0007 Center for population research, studies in reproductive biology - Mechanism of progesterone regulation of a specific gene function (chickens)
 PO1HD-07495-02 0009 Center for population research, studies in reproductive biology - Isolation and purification of progesterone receptors (chicken, rat, guinea pig)
 PO1HD-07495-02 0017 Center for population research, studies in reproductive biology - Hormonal regulation of gene expression (chickens)
 PO1HD-07495-02 0018 Center for population research, studies in reproductive biology - Regulation of protein synthesis in reproductive tissues
 RO1HD-07503-02 Biology of the testis-Action of FSH (rats)
 RO1HD-07796-02 Control of myosin synthesis during muscle differentiation (rats, quail)
 RO1HD-08188-02 Reproductive hormones-Biology and molecular actions (chickens)
 ** RO1HD-08192-02 Mechanism of action of estrogens (rats)
 RO1HD-08415-01 T-lymphocytes from precursor cells in vitro (mice)
 RO1HD-08452-01 Protein metabolism in the preimplanted mouse embryo
 ** RO1HD-08652-01 Histone mRNA and histone synthesis in development (sea urchins)
 ** PO1HL-09011-11 0003 A research and resource program in blood - Nucleic acids (rabbits, E coli)
 ** PO1HL-09011-11 0009 A research and resource program in blood - Cell biology (rats, yeast)
 RO1HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
 RO1HL-12549-06 Peptide bond formation and hemoglobin synthesis (rabbits)
 ** RO1HL-14960-06 Control of gene expression in differentiating cells (human, sheep)
 P17HL-15062-03 0009 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)
 P18HL-16005-01 0013 Comprehensive sickle cell center of the University of Chicago - Normal and abnormal erythropoiesis in vitro (human, mice, rats)
 RO1HL-16445-01 Regulation of fibrinogen biosynthesis (human, rats)
 RO1HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)
 PO1MH-16674-06 0033 A program of psychiatry-oriented biological research - Transitional control of protein synthesis in the CNS (rats)
 RO1HS-07869-09 Regulation of cerebral protein synthesis (rats)
 RO1HS-08391-06 Regulation of protein synthesis in neural development (mice)
 RO1HS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
 ** RO1HS-11329-01 mRNA metabolism in differentiating cells (mice)
 MO1RR-00037-14 0127 General clinical research center - Control of fetal hemoglobin synthesis

NUCLEIC ACIDS, ERNA

RO1AI-08998-06 Phage Phi X-174-Genetics and DNA chemistry (mammals, sea urchins, Drosophila)
 RO1AI-10610-03 Protein metabolism in yeast
 RO1AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
 RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
 RO1AM-12598-06 Hemoglobin synthesis during amphibian metamorphosis
 RO1AM-12769-09 Study of nephrectomy at birth and during growth (rats)
 RO1AM-15403-03 RBC differentiation (newts)
 RO1CA-10478-07 Lymphocyte proliferation in lymphocytic leukemia
 ** RO1CA-10993-06 Processing of ribosomal RNA in human cancer (HeLa cells)
 ** PO2CA-12197-03 0025 Multidisciplinary oncology research center - Nucleic acid methylases (human)
 RO1CA-12413-03 Free and membrane-bound polysomes
 PO1CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis action
 RO1CA-13422-02 Biochemical studies of rat hepatoma cells in culture
 RO1CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
 ** RO1CA-14630-02 Turnover of ribosomal RNA in virus transformed cells
 ** RO1CA-15086-01 Nuclear synthesis and modification of RNA (rats)
 RO1CA-15378-01 Radiation-induced modifications in protein synthesis (human, Tetrahymena)
 RO1CA-15389-01 Fate of RNA in malignant and normal cells (mice, Xenopus)
 PO1CA-15655-01 0022 Cancer center support grant - Growth regulation and rRNA synthesis (sea urchins)
 PO1CA-15655-01 0023 Cancer center support grant - rRNA metabolism during contact inhibition (sea urchins)
 RO1CA-15697-01 Altered RNA metabolism in chronic lymphocytic leukemia (human)
 ** RO1CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)

** RO1CA-16913-01 Processing of RNA in eucaryotic cells (HeLa cells, fungi)
 ** PO1GM-06965-15 0015 Basic experimental biology - Ribosomal RNA synthesis (Chlamydomonas)
 ** PO1GM-06965-15 0071 Basic experimental biology - Maturation of ribosomal RNA in chlamydomonas
 RO1GM-11726-11 Gene expression and content in cell differentiation (human, mice)
 RO1GM-13957-08 Biosynthesis and biological function of polyamines (bacteria, cattle)
 ** RO1GM-14595-08 0002 Continuity of cellular organelles - rRNA synthesis during chloroplast development (Euglena)
 ** PO1GM-14604-08 0005 Anaerobic bacteriological research program - DNA studies
 PO1GM-14604-08 0010 Anaerobic bacteriological research program - Nucleic acids
 ** RO1GM-15156-07 Biochemical interrelations of nucleons and cytoplasm (protazoa, mammals)
 PO1GM-15422-07 0010 Program project in genetics - Ribosome structure and function (E coli)
 ** RO1GM-18014-04 Regulation of gene expression in synchronized cells (protazoa)
 RO1GM-18153-04 0012 Gene control of mammalian cell differentiation - rRNA genes (Drosophila, human, mice, nonhuman primates)
 ** RO1GM-18663-03 Regulation of ribosomal DNA and RNA transcription (plants)
 PO1GM-19100-03 0023 Genetics research center - RNA and ribosome synthesis (HeLa cells, yeast)
 RO1GM-19185-03 Genetics of ribosome synthesis and antibiotic resistance
 RO1GM-19194-03 Regulation of gene replication and gene multiplicity (Drosophila)
 RO1GM-19693-01 Regulatory mechanisms in ribosome biosynthesis (bacteria)
 ** RO1GM-19856-01 Correlation of thermal environment and RNA structure (bacteria)
 RO1GM-19937-02 Genic/molecular basis of imaginal disc morphogenesis (Drosophila)
 RO1GM-20147-02 Synthesis and regulation of eukaryotic ribosomal RNA (rats, anurans)
 RO1GM-20230-02 Application of fluorescent nucleotide affinity probe (microorganisms)
 ** RO1GM-20261-01 Fine structure of ribosomal RNA (E coli, toads)
 RO1GM-21020-01 Ultrastructural studies of genetic activity (animals)
 RO1GM-21123-01 Gene localization in man using RNA-DNA hybridization
 ** RO1GM-21380-01 Molecular basis for protein-nucleic acid interactions (bacteria)
 ** RO1GM-21446-01 Modes of DNA amplification expressed by oocytes (arthropods)
 RO1HD-00038-10 Protein synthesis during embryogenesis (amphibians)
 RO1HD-00193-19 Mechanisms of genetic control of abnormal development (mice)
 ** RO1HD-04569-04 Isolation and characterization of human ribosomal DNA (human)
 RO1HD-05309-04 Gene transfer during differentiation and aging (human)
 ** RO1HD-06574-04 Developmental regulation of macromolecular metabolism
 PO1HD-06645-03 0017 Center for population research - Control of differentiation of the eukaryotic cell (sea urchins, amphibians)
 PO1HD-06645-03 0019 Center for population research - Increase of ribosome formation after estrogen stimulation of the uterus
 R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
 P17HL-15062-03 0009 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)

NUCLEIC ACIDS, TRNA

SEE ALSO AMINO ACYL TRNA
 ** RO1AI-01466-18 Structure of biological macromolecules (viruses)
 RO1AI-06457-09 Macromolecular synthesis in precursors
 RO1AI-08619-07 Genetic control of non-chromosomal drug resistance (bacteria)
 RO1AI-10113-03 Early cellular and molecular events during immunogenesis (mice)
 ** RO1AI-10257-04 Genetic analysis of tRNA coded by phage T4
 RO1AI-10424-03 Polyamines in cellular metabolism and function (microorganisms, mice, algae)
 RO1AI-10610-03 Protein metabolism in yeast
 RO1AI-10619-03 A protein with repressor-like properties (bacteriophage, bacteria)
 ** RO1AI-10650-03 Molecular aspects of transcription (antibiotics)
 RO1AI-11730-01 Regulation of meiosis and ascus development in yeast
 RO1AM-04256-14 Energy transfer in biological systems (virus, rats, human)
 PO1AM-08445-10 0013 Biology of skin of man and other primates - New inhibitor for melanoma cells (mice)
 RO1AM-08575-10 Biosynthesis of human and rabbit hemoglobins

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PO1AM-09001-10 0024 Biochemistry and immunology of blood diseases - Tryptophan-tRNA synthetases of E coli and man

RO1AM-09131-10 Effect of amino acid analogs on protein synthesis (yeasts, rats)

** RO1AM-09226-10 Regulation of enzyme synthesis (bacteria)

RO1AM-10646-08 Folate-B12 metabolism in normal and pathological cells (mice)

** RO1AM-11295-08 Physical studies of biological macromolecules

** PO1AM-13173-10 0003 Malignant and genetic alterations in human cells - Structure-function relationships in transfer RNA (sheep)

** RO1AM-13230-06 Biosynthesis of complex polysaccharides (bacteria, fungi, animals)

RO1AM-13428-06 Carrier detection and selection in cystic fibrosis (human, shrimp)

** RO1AM-15292-01 RNA-iodo proteinaceous complexes of thyroid (mammals)

RO1AM-15346-03 Development of mineralized tissues (rats)

** RO1AM-15467-03 Transfer RNA and hemoglobin synthesis-tRNA methylation (human, rabbits)

RO1AM-15919-02 Starvation and regulation of protein degradation (rats)

RO1AM-16126-03 Factors controlling expression of erythropoietic sites (bullfrogs)

RO1AM-16666-01 Abnormal hemoglobin synthesis-Mechanism and detection (human)

RO1AM-16847-02 Fetal hb synthesis control and sickle cell anemia (human)

** RO1AM-16986-02 Biochemical effects of selenium in tRNA (E coli, yeast, animals, plants)

PI7AM-17702-01 0004 Hepatitis cirrhosis center - Collagen in hepatic fibrosis (mice, rats)

RO1AM-18090-01 Genetic regulation of tetrahydrofolate metabolism (fungi)

** PO1CA-02332-20 0034 Clinical and laboratory studies of normal and abnormal growth - Changes in tRNA during differentiation and neoplasia (rats, yeast)

** RO1CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)

** PO2CA-05831-13 0014 Cancer clinical research - Treatment of advanced melanoma

PO1CA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)

** PO2CA-08480-09 0002 Childhood cancer research center - Molecular mechanisms of growth hormone (rats)

PO1CA-08748-09 5705 Research program of Sloan-Kettering Institute - Substituted 5-allylpyrimidine derivatives-synthesis, antiviral activities

RO1CA-10586-07 tRNA methylases in normal and neoplastic tissue

RO1CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)

RO1CA-10922-06 Metabolism of animal cell ribosomes (human)

** RO1CA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)

RO1CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of antitumor drugs

PO2CA-11198-06 0006 Cancer research center - Xanthine oxidase (dogs, human, mice)

RO1CA-11463-05 Regulation of histone biosynthesis in heteroploid cells (HeLa cells)

** RO1CA-11854-04 Characterization of ribosomal RNA methylases (bacteria, viruses, animal cells)

** RO1CA-11948-03 The relation of tRNA to oncogenesis

** RO1CA-11981-04 Synthetic and biological studies of nucleic acids (yeast, E coli, bacteriophage)

RO1CA-12210-14 Cellular control mechanisms (mammals)

** PO1CA-12227-04 0022 Core program in carcinogenesis - Transfer of RNA methylation in carcinogenesis (rats)

RO1CA-12229-05 Biochemistry of regulatory processes in synchronized cells (HeLa, rats)

RO1CA-12235-09 Nucleic acid methylating enzymes (mammals, human, E coli, viruses)

** RO1CA-12308-03 Isolation of animal cells containing suppressor tRNAs (hamsters, rabbits)

** RO1CA-12391-03 Molecular interactions of nucleic acids

RO1CA-12413-03 Free and membrane-bound polysomes

RO1CA-12427-03 Amino acid control of RNA synthesis (bacteria)

RO1CA-12462-04 Magnetic resonance studies of biological interactions

RO1CA-12561-03 Virus development and translational control

RO1CA-12627-05 Polynucleotides and nucleic acids (bacteria)

PO1CA-12708-03 0003 Studies of normal and malignant growth - Organization of protein synthetic machinery (mammals)

** RO1CA-12741-03 Effect of virus-induced transformation on tRNA (mice, virus)

** RO1CA-12742-03 Lack of control of tRNA methylases in tumor tissue (rabbits)

RO1CA-12752-03 Protein synthesis in tumors (mice, bacteria)

** RO1CA-12854-03 RNA sulfur-transferase in normal liver and hepatomas (rats)

RO1CA-13178-03 Oncogenic and hormonal control of RNA methylation (mice, rats)

RO1CA-13400-02 Macromolecular events in synchronized tumor cells

RO1CA-13434-03 Plasma membrane DNA in neoplastic and normal cells (human, monkeys, rodents)

** RO1CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)

RO1CA-14047-02 Methylations in tumors (rabbits, chickens, anurans, bacteria)

** PO1CA-14097-02 0006 Cancer research program-Viruses; control mechanisms - Role of tRNA in cell regulation (bacteriophage)

PO1CA-14395-02 0009 Cancer research center of Greater Miami - Aminoacyl-tRNA synthetases of leukemic cells (human)

** RO1CA-14397-02 Carcinogen-transfer RNA interactions

** PO2CA-15145-01 0045 Cancer center support grant - Aminoacyl transfer-RNA synthetases in reticulocytes (rabbits)

RO1CA-15378-01 Radiation-induced modifications in protein synthesis (human, Tetrahymena)

** RO1CA-15613-01 Translation of RNA virus messengers

PO1CA-15655-01 0025 Cancer center support grant - Enzymic control of division cycle (protozoan)

RO1CA-15802-01 Crystalline complexes of RNA with small molecules (yeast)

RO1CA-16034-01 Mitosis promotion in lymphoma cells and chemotherapy

** RO1CA-16327-01 Human biochemical genetics-Transfer RNA in leukemia

PO1CA-16359-01 0014 Cancer center support grant - Arginyl-tRNA protein transferase

** RO1CA-16914-01 RNA modifying enzymes in normal and neoplastic cells (rats, yeast)

** RO1CA-16936-01 Relationship between tRNA modification and cell growth (E coli, rats)

NO1CM-12186-04 Development of inhibitors to RNA methylation (mammals nonhuman)

NO1CP-33366-01 Nucleic acids and proteins of the avian myeloblastosis virus

PO1ES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)

RO1ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)

** PO1ES-00597-04 0011 Food-borne environmental toxicants - Aminoacylation and methylation of tRNA in chemical carcinogenesis (rats)

** RO1EY-00786-03 Role of tRNA in control of protein synthesis in lens (cattle, rats, rabbits)

RO1GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)

** RO1GM-07262-15 Nucleic acid chemistry (bacteria, yeasts)

** RO1GM-07654-14 Macromolecular aspects of RNA structure and function (yeasts, E coli)

RO1GM-08647-13 Mechanism of messenger-RNA translation (microorganisms)

** RO1GM-09042-13 Structural basis of ribonucleic acid specificity (mammals, bacteria)

** RO1GM-10791-12 Mechanism of biosynthesis of proteins (wheat, yeast, cattle, mice, E coli)

RO1GM-10840-16 Structure and function of nucleic acids (microorganisms)

** RO1GM-10991-15 Physical chemistry of nucleic acids (viruses, bacteria)

** RO1GM-11071-12 Free energy of folding of globular proteins (human)

RO1GM-11180-11 Physical chemistry of deoxyribonucleic acid (Drosophila, mice)

PO1GM-11301-12 0005 Structure, function and biosynthesis of macromolecules - Protein modifying reactions in vitro (mammals)

RO1GM-11726-11 Gene expression and content in cell differentiation (human, mice)

RO1GM-12053-11 Biochemical control of macromolecular synthesis (E coli, phage)

** RO1GM-12395-10 Determination of transfer ribonucleic acid structure (yeasts)

RO1GM-12589-10 Structure and reactions of nucleic acids (E coli)

** RO1GM-13037-10 Structural and biological properties of tRNA (E coli)

RO1GM-13777-09 Mechanism of biochemical C-C and C-N bond formation

RO1GM-14033-08 Control mechanisms in gluconogenesis (Tetrahymena, rats, ground squirrels)

PO1GM-14552-08 0007 Normal and abnormal cell growth multidiscipline study - Molecular basis of the cellular defect in B thalassemia (human)

** RO1GM-14825-08 Conformation of tRNA and model oligonucleotides

RO1GM-14957-07 R-RNA, ribosome synthesis in bacteria and animal cells

RO1GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)

RO1GM-15122-07 Initiation and peptide synthesis in vitro (wheat)

** RO1GM-15225-07 Structural analysis of biological macromolecules (bacteria, phages, yeast)

** RO1GM-15401-06 Relation of structure to function of transfer RNA (bacteria)

** PO1GM-15423-07 0014 Molecular basis of control mechanisms - Tyrosine transfer RNA (bacteria)

RO1GM-15438-07 Characterization of mammalian mitochondrial ribosomes (cattle, E coli)

** RO1GM-15539-07 Reactions of physiological importance

** RO1GM-15925-07 Recognition of tRNA by aminoacyl tRNA synthetases (E coli)

RO1GM-16317-06 Enzymology and control of amine acid activation (rats, rabbits)

** RO1GM-16329-06 Genetics and biochemistry of missense suppression (E coli, bacteriophage lambda)

RO1GM-16539-06 Structure of nucleoprotein (microorganisms)

RO1GM-16595-05 Protein-nucleic acid interactions

** RO1GM-17151-05 Structure and function of sRNA (yeast, E coli, wheat)

RO1GM-17378-05 X-ray studies of the constituents of nucleic acids

** RO1GM-17421-05 Role of tRNA in cell regulatory mechanisms (bacteria, mammals)

** RO1GM-18038-04 NMR studies of aspartate transcarbamylase and tRNA (E coli)

** RO1GM-18080-04 Genetic translation as a cellular control mechanism (Drosophila)

RO1GM-18185-07 Ribosome formation and ribosomal function (bacteriophage, E coli)

** RO1GM-18455-04 X-ray diffraction studies on tRNAs (E coli, yeast)

RO1GM-18541-04 Structural analysis of crystalline ribosomes (chick embryo)

RO1GM-18617-04 Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells)

** RO1GM-18633-07 Analysis of the genes involved in tRNA production (Salmonella typhimurium)

RO1GM-18682-03 Mammalian peptide termination-mechanism and suppression (hamsters, viruses)

RO1GM-18796-03 Genetic code, protein synthesis in mammalian systems (rabbits)

** RO1GM-18829-03 Chromosomal structure and genetic redundancy (insect, plants)

RO1GM-18887-03 Promoter and operator site DNA sequence analysis (bacteriophage, E coli)

** RO1GM-18910-03 Genetic control of protein synthesis in eucaryotes (Drosophila)

** RO1GM-19059-03 Structure and function of ribonucleic acid (E coli)

** RO1GM-19062-03 Mechanism and regulation of gene transcription (E coli)

RO1GM-19079-03 0002 One MEV scanning transmission electron microscope - Analysis of the kinetics of folding in macromolecules

RO1GM-19096-03 Molecular basis of differentiation (leads)

** RO1GM-19099-03 Functional sites on transfer RNA (E coli)

** RO1GM-19111-03 Peptidyl transferase recognition sites

RO1GM-19147-03 Eukaryotic transcription by RNA polymerase (slime molds)

** RO1GM-19313-03 High resolution NMR study of the structure of t-RNA

** RO1GM-19351-03 Biosynthesis of transfer ribonucleic acid (E coli)

** RO1GM-19422-03 Precursors, mutants, and function of tRNA (E coli)

** RO1GM-19423-03 Characterization of tRNA maturation mutants (bacteria)

PO1GM-19443-03 0043 Problems in clinical genetics - Oncogenic human viruses

PO1GM-19489-03 0017 Study of human genetics - Detection of new marker traits in man

PO1GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer

** RO1GM-19702-02 Biological significance of tRNA modifications (salmonella)

RO1GM-20111-02 Role of transfer RNA in the control of cell division (rats)

RO1GM-20114-01 Regulation of protein synthesis in growth transitions

RO1GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)

** RO1GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)

RO1GM-20483-01 Transcription of chromatin in vitro (rabbits)

** RO1GM-20609-02 Photo-affinity labels as probes of ribosome function (E coli)

** RO1GM-20637-03 Thermodynamic studies of transfer ribonucleic acids

** RO1GM-20639-02 Transcriptional controls in prokaryotic and viral systems

** RO1GM-20880-01 Common points regulating enzyme biosynthesis (bacteria)

** PO1GM-20927-01 0004 Sequence structure of eukaryotic genome - tRNA genes of Drosophila

RO1GM-21080-01 Defective protein synthesis by modified ribosomes (bacteria)

RO1GM-21093-01 Transition state models of protein synthesis

** RO1GM-21119-01 Biosynthesis of bacteriophage T4 transfer RNAs

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

R01GM-21123-01 Gene localization in man using RNA-DNA hybridization
 R01GM-21137-01 Genetic control of development (Drosophila)
 ** R01GM-21151-01 Recognition of normal and neoplastic tRNA by ribosomes (rats, yeast, E coli)
 R01GM-21352-01 RNA conformation and protein-RNA recognition
 ** R01GM-21386-01 Multiple isoaccepting forms of mitochondrial tRNA (Tetrachymena, rats)
 ** R01GM-21405-01 Modified nucleotides in mammalian tRNA (cattle, human, wheat, E coli)
 ** R01GM-21431-01 Structural studies of RNA (yeasts, E coli)
 R01GM-21795-01 Magnetic resonance of heterocyclic triplet states
 R01HD-00038-10 Protein synthesis during embryogenesis (amphibians)
 R01HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
 ** R01HD-03521-06 tRNA and the differential control of RNA synthesis (bacteria)
 P01HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (Octopeltus, Pyriocoris, Drosophila)
 ** P01HD-03803-06 0005 Control mechanism in reproduction and development - Hemoglobin synthesis (rabbits)
 R01HD-04004-06 0007 Programmed senescence in cultured human cells - The orgel hypothesis and protein turnover
 R01HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
 R01HD-04617-06 Macromolecular modification on ontogeny and phylogeny (animals, microbes)
 ** R01HD-06477-03 Effect of thyroxine on tRNA metabolism of the brain (rats)
 P01HD-06645-03 0017 Center for population research - Control of differentiation of the eukaryotic cell (sea urchins, amphibians)
 ** R01HD-06816-01 Transfer RNA changes induced by thyroid (Xenopus laevis embryo)
 R01HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
 ** R01HD-07625-01 Control of transcription in aging animals (mice)
 ** R01HD-07627-01 Role of transfer RNA in cellular aging (human)
 ** R01HD-08444-01 Relation of tRNA to protein errors in aging rat liver
 P01HL-09011-11 0001 A research and resource program in blood - Serology and genetics (human)
 ** P01HL-09011-11 0003 A research and resource program in blood - Nucleic acids (rabbits, E coli)
 ** P01HL-09011-11 0011 A research and resource program in blood - Studies of tRNA methylating enzymes (cattle, chickens)
 R01HL-15026-08 Quantitative genetic control of protein synthesis (human, primates, mammals)
 R01NS-02267-14 Genetics and biochemistry of neurological mutants (mice)
 R01NS-09299-04 Macromolecular control of neuronal function (squid, Myxocola, rats)
 R01NS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)
 ** M01RR-00262-09 0009 General clinical research center - Urinary pseudouridine, N6-purinyI carbamoyl threonine in tRNA turnover (human)
 ** M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)
NUCLEIC ACIDS, RNA BACTERIAL
 R01AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
 R01CA-11526-05 The tumor-inducing substance of Agrobacterium tumefaciens
 R01CA-12590-04 Control of normal and abnormal chromosome growth (E coli)
 R01CA-14674-02 Involvement of bacterial RNA polymerase in crown gall (brood bean)
 ** R01GM-11738-10 Primary structure of ribosomes (E coli, A vinelandi, B stearotherophilus)
 R01GM-15142-06 In vitro synthesis of RNA (T4 bacteriophage)
 R01GM-15225-07 Structural analysis of biological macromolecules (bacteria, phages, yeast)
 P01GM-15422-07 0005 Program project in genetics - Structure and function of ribosomes (microorganisms)
 R01GM-17924-04 Ribosome structure and function (E coli)
 R01GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)
 R01GM-20641-01 Transcriptional control of bacterial cell development
NUCLEIC ACIDS, RNA VIRAL
 SEE ALSO VIRUSES, RNA VIRUSES (GENERAL)
 ** R01AI-06844-09 Biosynthesis of viral RNAs
 ** R01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
 R01AI-09100-05 Mammalian cell response to diphtheria toxin (human, mice, chicken)

** R01AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
 R01AI-10326-04 Genetic and biochemical studies of Reovirus
 ** R01AI-10361-04 Nucleotide sequences in viral RNA
 ** R01AI-11263-02 Sindbis virus growth and alteration of cell membranes
 R01AI-11323-02 Regulation of development of bacteriophage SP01 (bacteria)
 ** R01AI-11572-02 Infective role of amino acid binding by viral RNA
 ** R01AI-11614-01 Influenza viral RNA and protein synthesis in vitro
 R01AI-11658-01 Polypeptide cleavage during EMC virus synthesis
 ** R01AI-11855-01 Molecular structure of RNA viruses (R17 phage, turnip yellow mosaic virus)
 R01AI-11856-01 Molecular structure of RNA viruses
 R01AI-11886-01 Genetic and biochemical analysis of the interferon system (viruses)
 ** R01AI-11913-01 Synthesis and regulation of viral RNA
 R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
 ** R01AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
 R01AI-12242-01 Replication and host range specificity of LD virus (mice)
 P01CA-02332-20 0006 Clinical and laboratory studies of normal and abnormal growth - Molecular hybridization (mammals)
 R01CA-06657-12 Enzyme studies in experimental leukemia (mice, human)
 P02CA-06973-12 0019 Integrated clinical cancer research program - Biochemical virology-Viral detection studies (human, mice)
 R01CA-10467-07 Biochemical events after tumor virus infection
 R01CA-10594-07 Regulatory processes in tumor virus-infected cells
 P01CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
 P01CA-11405-06 0004 Core program on etiology of cancer - Pathway of MTV from intestine to mammary gland (mice)
 R01CA-11427-05 Virus in relation to C57BL mouse thymoma
 P01CA-12174-04 0005 Growth and cell control processes - Defective interfering particles of poliovirus
 P01CA-12174-04 0007 Growth and cell control processes - Initial product synthesized by DNA polymerase of tumor viruses
 R01CA-12340-03 Mechanism of transformation by oncogenic RNA viruses
 R01CA-12407-04 Control of protein synthesis in cell culture (mice, menhays)
 ** R01CA-13006-02 Structure and replication of tumor virus nucleic acid
 ** R01CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
 P02CA-13696-02 0010 Clinical cancer research center - Viral oncogenesis (human)
 P02CA-13696-02 0059 Clinical cancer research center - Use of clinical tumor material for viral study (human)
 ** P01CA-14193-02 0011 Comparative leukemia studies unit - Characterization of viral nucleic acids
 P01CA-14195-01 0005 Core grant-Regulation, the cell membrane and cancer - Viral gene functions and cell growth regulation (tissue culture)
 ** R01CA-14311-02 RNA-envelope virus formation in animal cells
 P01CA-14599-01 0036 University of Chicago Cancer Research Center - Childhood leukemia studies
 P01CA-14599-01 0037 University of Chicago Cancer Research Center - Neoplasia in childhood-Cell susceptibility to transformation
 ** P01CA-14733-02 0006 Control of gene expression, virus replication and cell growth - Measurements of the secondary structure of RNA
 P01CA-14733-02 0007 Control of gene expression, virus replication and cell growth - Molecular basis of interferon induced antiviral activity (chick embryo)
 P01CA-14733-02 0015 Control of gene expression, virus replication and cell growth - Protein synthesis in virus-infected cells (human)
 ** R01CA-14787-01 Transcription and translation of tumor virus RNA
 ** P01CA-14801-02 0009 Chemotherapy and regulation of oncogenic viruses - Sequences in nucleic acids of RNA tumor viruses
 R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
 R01CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
 ** R01CA-15716-01 Genetic studies of RNA tumor viruses (birds, chick embryo)
 ** P01CA-16038-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids

** P01CA-16038-01 0010 Program on the molecular basis of viral transformation - Control of transcription and translation (bacteriophage)
 P01CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
 ** P01CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
 ** R01CA-16262-01 Subunit structure and function of oncornavirus RNA
 R01CA-16266-01 Mechanism of AMV transcriptase inhibitors
 R01CA-16312-01 Avian DNA polymerase-RNase H enzymes (E coli, oncogenic viruses)
 ** R01CA-16879-01 Viral oncogenesis
 R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
 M01CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
 ** M01CP-43306-00 Electron microscopic studies of tumor virus nucleic acids
 M01CP-43380-00 Host restriction of Friend Leukemia Virus
 P01GM-10403-12 0006 Biophysical studies on viral structure and function - TMV and TMV RNA
 ** P01GM-10403-12 0007 Biophysical studies on viral structure and function - Synthetic polynucleotides
 ** P01GM-10403-12 0008 Biophysical studies on viral structure and function - Reaction of carbodiimide with TMV RNA
 R01GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
 R01GM-12323-10 0015 Biochemical genetics - Ethidium bromide effect on mouse mitochondria
 R01GM-13434-09 Transcription and translation in mammalian cells
 R01GM-15142-06 In vitro synthesis of RNA (T4 bacteriophage)
 R01GM-17849-03 Specific synthetic inhibitors of proteases (virus, cattle, human)
 P01GM-19443-03 0043 Problems in clinical genetics - Oncogenic human viruses
 R01GM-21119-01 Biosynthesis of bacteriophage T4 transfer RNAs
 M01RR-00076-12 0087 General clinical research center - Herpes virus nucleic acids in human tumors
NUCLEIC ACIDS, UNNATURAL NUCLEIC ACIDS
 SEE ALSO NUCLEIC ACIDS, POLY I:C
 SEE ALSO NUCLEIC ACIDS ANALOGS
 SEE ALSO NUCLEOTIDES, UNNATURAL NUCLEOTIDES
 R01AI-03038-15 Control functions of bacteriophages and bacteriocins
 R01CA-12429-03 Molecular mechanisms of drug action (Bacillus subtilis)
 R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
 R01CA-16299-01 Mutagenic alterations in nucleic acid structure
 ** R01CA-16319-01 Method for examining viral DNA changes for mutagenic and carcinogenic effects
 ** R01GM-15879-17 Genetics of Tetrahymena and Paramecium
 R01GM-19060-03 Sequence-dependence of polynucleotide configuration
 R01GM-19313-03 High resolution NMR study of the structure of t-RNA
 R01GM-20969-02 Conformation of single-stranded DNA in solution
 R01GM-21120-01 Chromosome DNA regulatory regions (lambda phage, rodents, rabbits, Xenopus, HaLa)
NUCLEIC ACIDS, UNNATURAL NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS
 R01AI-00957-19 RNA function in viral infected and uninfected cells
 R01AI-01594-18 The psittacosis group of organisms
 R01AI-01650-17 Genetic mechanisms and gene action (bacteria, human)
 R01AI-01808-17 Taxonomy and phylogeny of pseudomonads
 R01AI-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
 R01AI-03093-15 Staphylococcal and staphylophage genetics
 R01AI-05526-12 Physiology of bacteria at low temperature
 R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
 R01AI-08238-08 Biochemical studies of arbovirus multiplication
 R01AI-08619-07 Genetic control of non-chromosomal drug resistance (bacteria)
 R01AI-09337-05 Biology of bacteria forced to grow slowly
 R01AI-09566-03 Genetic and taxonomic studies on the Actinomycetales
 R01AI-09943-04 Genetics of structurally altered phage T4 genomes (bacteria)
 R01AI-10106-04 Mode of action of l-colicins on Escherichia coli
 R01AI-10132-04 Replication and encapsidation of reovirus RNA

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- R01AI-10142-04 Factors that control RNA transcription (bacteria, bacteriophage)
 R01AI-10331-03 Sporulation plasmid in *Bacillus pumilus*
 R01AI-10648-03 Replication and transfer of R factor DNA (E coli)
 ** R01AI-10685-03 Immunoglobulin gene analysis by RNA-DNA hybridization (mice)
 R01AI-10752-03 Regulation of the M13 viral DNA replication (E coli)
 ** R01AI-11054-01 Genetic functions and continuity of RNA-DNA hybrids (bacteria)
 R22AI-11478-02 Control of bacterial toxins by viruses and plasmids (mice, rabbits)
 R01AI-11493-02 Immunoglobulin synthesis in myeloma cells
 R01AI-11518-01 Functional viral mRNA made without protein synthesis
 R01AM-12401-08 Protein synthesis in erythroid precursors (human)
 R01AM-15544-03 Erysipelothrix model of rheumatoid arthritis etiology (swine, rabbits)
 R01AM-15782-03 Renal electrolyte actions of certain hormones (rats)
 R01AM-16140-03 Significance of anti-nucleic acid antibodies in lupus (human, mice)
 ** P01CA-02332-20 0006 Clinical and laboratory studies of normal and abnormal growth - Molecular hybridization (mammals)
 ** P01CA-08748-09 6608 Research program of Sloan-Kettering Institute - Product of reverse transcriptase in normal and cancerous cells (E coli)
 P01CA-08748-09 6609 Research program of Sloan-Kettering Institute - Coupling between DNA replication and histone synthesis in the mitotic cycle
 R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
 R01CA-10298-06 Binding of antitumor agents to DNA
 R01CA-10594-07 Regulatory processes in tumor virus-infected cells
 P01CA-10815-06 0022 Consolidated basic cancer research program - Cellular and viral factors in integration of the viral genome (hamsters)
 P01CA-10815-06 0023 Consolidated basic cancer research program - Mechanisms associated with integration of SV40 DNA (mammals)
 P01CA-10815-06 0026 Consolidated basic cancer research program - Relationship between SV40 integration and cellular DNA repair (monkeys)
 P01CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
 P01CA-10815-06 0034 Consolidated basic cancer research program - Interaction of SV40 and Py DNA with the cellular genome (human, mice, hamsters)
 R01CA-11151-06 Maturation of RNA and DNA in tumor virus infection
 P01CA-11405-06 0004 Core program on etiology of cancer - Pathway of MTV from intestine to mammary gland (mice)
 R01CA-11426-06 Structure and replication of Rous sarcoma and influenza virus (chickens)
 R01CA-11427-05 Virus in relation to C57BL mouse thymoma
 R01CA-11463-05 Regulation of histone biosynthesis in heteroploid cells (HeLa cells)
 ** R01CA-11861-05 Control of viral RNA synthesis in herpes virus infection
 R01CA-11895-05 Molecular biology of tumor viruses
 R01CA-12055-03 EB virus (monkeys)
 R01CA-12073-04 Chromatin in normal and pathological liver cells (rats)
 P01CA-12174-04 0008 Growth and cell control processes - Synthesis of DNA complementary to natural messenger RNA
 P01CA-12174-04 0026 Growth and cell control processes - Control mechanisms concerned with chromosome replications (animals)
 R01CA-12340-03 Mechanism of transformation by oncogenic RNA viruses
 R01CA-12411-04 Post-transcriptional control in eukaryotic cells (rats)
 R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
 R01CA-12557-03 SV40-Genetic analysis and oncogenic transformation
 R01CA-12561-03 Virus development and translational control
 R01CA-12705-03 Replication and cellular transformation (chickens)
 R01CA-12895-01 Molecular mechanisms in neoplasia (chickens)
 R01CA-13006-02 Structure and replication of tumor virus nucleic acid
 R01CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
 P01CA-13106-03 0002 Cold Spring Harbor laboratory cancer research center - DNA replication section (bacteria, viruses)
 R01CA-13114-03 Gene addition to mammalian cells using herpes virus
 R01CA-13253-03 The mechanism of tumorigenesis by A. tumefaciens
 P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
 P01CA-13330-03 0039 Cancer research program - Interaction of oncogenic viruses (human, monkeys, hamsters)
 P01CA-13330-03 0040 Cancer research program - Reovirus and friend leukemia (mice, rats)
 P01CA-13330-03 0041 Cancer research program - Adenovirus DNA and protein synthesis (human)
 ** P01CA-13330-03 0042 Cancer research program - Avian myeloblastosis reverse transcriptase (mice, human)
 ** P01CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
 ** P01CA-13330-03 0054 Cancer research program - Role of RNA-DNA hybrids in DNA synthesis and repair (human)
 R01CA-13431-03 Herpes virus nucleic acids in human tumors
 R01CA-13479-03 Provirus of RNA tumor viruses (mice)
 R01CA-13506-03 Characterization of virus genomes in transformed cells
 R01CA-13515-02 Genetic study of animal viruses
 P01CA-13526-03 0006 Correlated study of metabolic regulation in neoplasia - Regulation of pyrimidine metabolism (rats)
 R01CA-13600-02 Pathology of chemical carcinogenesis (rats)
 R01CA-13608-03 Function of viral genes involved in transformation (rodents)
 ** R01CA-14019-02 Antiangiogenesis-New method of therapy of solid tumors
 P01CA-14089-01 0005 Pilot multidisciplinary cancer research program - Effect of bromodeoxyuridine on gene expression (bacteria)
 P01CA-14193-02 0013 Comparative leukemia studies unit - Status of the viral genome (cattle, rats)
 P01CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
 R01CA-14530-02 Substituted SV40 DNA
 R01CA-14572-02 Characterization of specific fragments of SV40 DNA
 R01CA-14620-02 Mechanisms of oncogenic virus gene expression (rabbits)
 R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
 R01CA-14935-02 Cellular alteration induced by Rous sarcoma virus
 R01CA-15038-01 Interaction of DNA tumor viruses and cell genomes
 R01CA-15058-01 Early genes of polyoma virus and DNA replication
 R01CA-15281-01 Oncogenicity of Epstein-Barr virus (human, monkeys)
 R01CA-15506-02 Isolation of molluscum contagiosum virus (human)
 R26CA-15551-01 Virology and immunology of cancer of the human urothelium
 R01CA-15561-01 Cellular differentiation and viral oncogenesis (mice)
 R01CA-15802-01 Crystalline complexes of RNA with small molecules (yeast)
 ** R01CA-15923-01 Nonhistone proteins of reactivated erythrocyte nuclei (chick, HeLa cells)
 R01CA-16007-01 Gene expression of oncogenic viruses
 P01CA-16038-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
 P01CA-16038-01 0004 Program on the molecular basis of viral transformation - Viral genetic information in SV-40 transformed cells (human, monkeys, mice)
 P01CA-16038-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids
 R01CA-16155-01 Interactions on oncogenic viruses with mouse embryos
 N01CP-33211-02 Molecular events in transformation by RNA oncogenic viruses (human, animals)
 N01CP-33231-04 Applied electrical and optical technology in oncology
 ** N01CP-33283-02 Search for hybridizable tumor virus DNA in tissues from cancer patients
 N01CP-33339-02 Human milk and mammary tumors (chickens)
 N01CP-43212-00 Structure and replication of murine and avian tumor viruses
 N01CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
 N01CP-43318-00 Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals)
 N01CP-43389-00 Studies on Herpesviruses
 P13DE-02600-08 0019 Planning of a research center in oral biology - Immunoglobulin gene analysis by RNA-DNA hybridization (mice, rabbits)
 P01DE-02848-06 0010 Biology of connective tissue, bones and teeth - Genetic regulation during salivary gland development (rabbits, mice)
 P01DE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)
 R01FD-00153-08 Fish spoilage and related bacteria (human, cattle)
 R01FD-00626-02 Taxonomy and physiology of marine bacteria
 R01GM-09654-13 Histone metabolism (liverwort, insects)
 R01GM-09738-13 Genetic and biochemical study of tryptophan synthetase (bacteria)
 R01GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
 R01GM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)
 R01GM-10991-15 Physical chemistry of nucleic acids (viruses, bacteria)
 R01GM-11216-11 Genetic studies of protein differences (Drosophila)
 R01GM-11518-11 Fine structure of nucleic acids
 R01GM-11895-11 The mechanism of gene activation during development (microorganisms)
 R01GM-12427-10 Organization of animal cell nuclei (insects, leeches)
 R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
 ** R01GM-13434-09 Transcription and translation in mammalian cells
 R01GM-14957-07 R-RNA, ribosome synthesis in bacteria and animal cells
 R01GM-15381-07 Regulation of RNA synthesis in E coli
 R01GM-15905-07 Initiation of chromosome replication (E coli)
 R01GM-16059-06 Macromolecular aspects of synchronous cell division (bacteria)
 R01GM-16298-06 Molecular and genetic studies (Drosophila)
 R01GM-16541-06 Biochemical genetics of Neurospora circadian rhythms
 R01GM-17088-05 Molecular mechanisms in DNA replication
 R01GM-17151-05 Structure and function of sRNA (yeast, E coli, wheat)
 ** R01GM-17215-05 Renaturation and hybridization of nucleic acids (microorganisms)
 ** R01GM-17715-04 Genetic analysis of cyanophytes (bacteria, plants)
 R01GM-17995-03 Embryonic chromosomal proteins and their RNA templates (sea urchins)
 R01GM-18079-03 RNA synthesis during differentiation (Drosophila)
 R01GM-18103-02 Mitochondrial biogenesis during oogenesis (*Xenopus laevis*)
 P01GM-18153-04 0012 Gene control of mammalian cell differentiation - rRNA genes (Drosophila, human, nonhuman primates)
 R01GM-18277-04 Action mechanism of arabinose C protein (bacteria)
 R01GM-18375-04 Structure of mitochondrial and kinetoplast DNA (plants, protozoa, amphibians)
 R01GM-18568-02 Role of RNA polymerase in bacterial differentiation
 R01GM-18663-03 Regulation of ribosomal DNA and RNA transcription (plants)
 ** R01GM-18829-03 Chromosomal structure and genetic redundancy (insect, plants)
 R01GM-18904-03 Regulation of differentiation in germinating spores
 ** R01GM-18936-04 Circular DNA elements in *Bacillus megaterium* (bacteria)
 R01GM-18953-03 Specific M-RNA control by canavanine and arginine (bacteria)
 R01GM-18973-03 DNA replication of phage P22
 R01GM-19060-03 Sequence-dependence of polynucleotide configuration
 R01GM-19147-03 Eukaryotic transcription by RNA polymerase (slime molds)
 R01GM-19177-03 Physical mapping of point mutations in DNA (viruses)
 R01GM-19351-03 Biosynthesis of transfer ribonucleic acid (E coli)
 R01GM-19375-03 Control of enzyme activity in mammalian cells (hamsters, *Escherichia coli*)
 R01GM-19519-03 Characterization of dinoflagellate DNA
 R01GM-19670-02 Transcription and translation regulatory signals (E coli)
 R01GM-19673-02 RNA polymerase in bacterial differentiation
 R01GM-20114-01 Regulation of protein synthesis in growth transitions
 R01GM-20173-02 Regulation of bacterial membrane formation
 R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
 R01GM-20532-01 Composition and regulation of the ribosomal genome (fungi, plants, amphibians)
 R01GM-20767-01 Messenger RNA and differentiation of animal cells (mice, sea urchins)
 R01GM-20851-01 Electron microscopy of DNA of cells and viruses
 ** R01GM-21123-01 Gene localization in man using RNA-DNA hybridization
 R01GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, *Drosophila*)
 R01GM-21287-01 Coupling eukaryotic genes to prokaryotic plasmids
 R01GM-21316-01 Evolution of the tryptophanase gene in E coli

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NO1HB-22911-03 Cytomegalovirus in human leukocytes and other tissues
 RO1HD-00047-10 Control of cell differentiation in culture (chick embryo)
 RO1HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, virus)
 RO1HD-01522-10 Metals and nucleic acids in mosquito growth and aging
 ** RO1HD-01962-09 Constitutive heterochromatin and RNA synthesis (human, hamsters)
 RO1HD-02552-08 Cellular aspect of human genetics and immunology
 RO1HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
 PO1HD-03803-06 0002 Control mechanism in reproduction and development - Estrogen control of transcription and translation (rats)
 PO1HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (Octopeltus, Pyrrhocoris, Drosophila)
 RO1HD-04214-05 Control of transcription during spore germination (bacteria)
 RO1HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
 ** RO1HD-04488-11 Biochemical systematic investigations
 RO1HD-05309-04 Gene transfer during differentiation and aging (human)
 RO1HD-05804-04 Meiosis and reproduction (Chlamydomonas reinhardtii)
 RO1HD-07359-03 Gene function during post-natal development and aging (rats, mice)
 PO1HD-07495-02 0017 Center for population research, studies in reproductive biology - Hormonal regulation of gene expression (chickens)
 RO1HD-07659-02 Gene expression during oogenesis and embryogenesis (marine worms)
 RO1HD-07796-02 Control of myosin synthesis during muscle differentiation (rats, quail)
 PO1HL-06308-14 0024 Mechanisms and therapy of circulatory disease - Insulin induction of enzyme biosynthesis in the liver (rats)
 RO1NS-09161-18 Biochemistry of neural development (insects)
 NO1NS-42309-00 Detection of viral genomes in human neurological diseases

NUCLEIC ACIDS ANALOGS

SEE ALSO NUCLEIC ACIDS, UNNATURAL NUCLEIC ACIDS
 SEE ALSO NUCLEIC ACIDS INHIBITORS
 SEE ALSO NUCLEOTIDES ANALOGS
 ** PO1CA-11405-06 0017 Cam program on etiology of cancer - Induction of RNA tumor viruses by nuclei acid analogs (human, mammals)
 ** RO1CA-12462-04 Magnetic resonance studies of biological interactions
 R10CA-13314-02 Eastern Cooperative Oncology Group
 RO1GM-16213-07 Some novel synthesis of oligonucleotides
 RO1GM-19442-03 Function and mechanism of DNA ligase (E coli)
 ** RO1GM-20008-02 Kinetic study of double helix formation
 ** RO1GM-20687-01 Modified DNA and gene therapy (mammals, bacteriophage)

NUCLEIC ACIDS DENATURATION

RO1CA-11151-06 Maturation of RNA and DNA in tumor virus infection
 RO1CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
 RO1CA-12026-05 DNA cysteamine, DNA-N ethylmaleimide studies by ESR (bacteria)
 RO1CA-17123-03 Membrane active inhibitors of DNA replication (bacteria)
 RO1GM-07654-14 Macromolecular aspects of RNA structure and function (yeasts, E coli)
 RO1GM-11518-11 Fine structure of nucleic acids
 RO1GM-13037-10 Structural and biological properties of tRNA (E coli)
 RO1GM-14711-08 Structure and replication of DNA
 RO1GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
 RO1GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
 RO1GM-18375-04 Structure of mitochondrial and kinetoplast DNA (plants, protozoa, amphibians)
 RO1GM-18936-04 Circular DNA elements in Bacillus megaterium (bacteria)
 RO1GM-19079-03 0002 One MEV scanning transmission electron microscope - Analysis of the kinetics of folding in macromolecules
 RO1GM-19519-03 Characterization of dinoflagellate DNA
 RO1GM-20637-03 Thermodynamic studies of transfer ribonucleic acids
 RO1GM-20639-02 Transcriptional controls in proviral and viral systems
 RO1GM-21431-01 Structural studies of RNA (yeasts, E coli)
 RO1HD-06579-02 Local control of progesterone levels in pregnancy (human, animal)

NUCLEIC ACIDS INHIBITORS

SEE ALSO NUCLEIC ACIDS ANALOGS
 RO1AI-03038-15 Control functions of bacteriophages and bacteriocins

RO1AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
 RO1AI-06264-10 Cellular resistance to virus infections
 RO1AI-06827-09 Metabolism and transformation in hemoflagellates (mice, hamsters)
 RO1AI-07057-09 Interferon and resistance to virus infection
 RO1AI-07140-09 Translation and replication of RNA containing viruses
 RO1AI-08738-06 Control mechanisms in phage-host cell interactions
 RO1AI-09158-05 Studies on macrolide antibiotics
 RO1AI-09586-04 Ultrastructure and replication of Mycoplasma pneumoniae (hamsters)
 RO1AI-10241-04 amebas
 Encystment in free-living, invasive amebas
 ** RO1AI-11517-02 Action of edeine on macromolecular synthesis
 RO1AI-11519-02 Bacterial and mammalian DNA replication
 RO1AM-07239-11 Studies on erythropoietin (human, mice)
 RO1AM-10646-08 Folate-B12 metabolism in normal and pathological cells (mice)
 RO1AM-15346-03 Development of mineralized tissues (rats)
 RO1AM-16140-03 Significance of anti-nucleic acid antibodies in lupus (human, mice)
 RO1AM-16216-03 Anti-inflammatory steroids and collagen synthesis (rats)
 RO1AM-16505-02 GI hormones—Effect on growth and metabolism of GI mucosa (human, rats)
 RO1AM-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
 RO1CA-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
 R10CA-02649-18 Childrens cancer study group A
 RO1CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
 ** RO1CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
 RO1CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
 ** RO1CA-05262-14 Iododeoxyuridine, iode-DNA and biological activity (mice)
 ** RO1CA-05671-14 0001 Glucocorticoid receptors in normal and malignant tissue - Inhibition of DNA synthesis by cortisol
 ** RO1CA-05671-14 0003 Glucocorticoid receptors in normal and malignant tissue - Inhibition of RNA by cortisol
 PO1CA-07175-11 0001 Cancer research at the McArdle laboratory - Mechanism of mouse tumor skin formation
 PO1CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
 RO1CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
 RO1CA-07522-10 Cofactor inhibition of thymidylate synthetase
 RO1CA-08416-09 Control of transcription and translation in mammalian cells
 PO1CA-08748-09 7604 Research program of Sloan-Kettering Institute - Proliferation in rat liver induced by xanthine 3-N-oxide
 ** PO1CA-08748-09 7605 Research program of Sloan-Kettering Institute - Cytotoxicity of methotrexate and other antifolates
 RO1CA-10197-08 Tumor induction by avian myeloblastosis virus
 PO1CA-10815-06 0015 Consolidated basic cancer research program - Cell division as related to humoral and cellular immune response (mammals)
 PO1CA-10815-06 0026 Consolidated basic cancer research program - Relationship between SV40 integration and cellular DNA repair (monkeys)
 PO1CA-10893-06 0008 Cancer Research Center - Synthesis and maturation of ribosome precursors (rats)
 PO1CA-11405-06 0014 Core program on etiology of cancer - Biochemical mechanism of virus induced chromosome breaks(human)
 RO1CA-11627-08 Actinomycins—Conformation and activity
 RO1CA-12073-04 Chromatin in normal and pathological liver cells (rats)
 ** PO1CA-12174-04 0014 Growth and cell control processes - Nuclear system for DNA replication (mammals)
 ** PO1CA-12174-04 0018 Growth and cell control processes - Effect of inhibition of protein synthesis on DNA synthesis (mammals)
 RO1CA-12209-03 Lymphocyte proliferation inhibitory factor (human)
 ** PO1CA-12227-04 0025 Core program in carcinogenesis - Inhibition of RNA synthesis by ethionine in rat liver (also human)
 RO1CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
 RO1CA-12386-03 Development of lymphoma in the thymus (mice)
 PO1CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
 RO1CA-12668-03 Pathology of the nucleus and chromosomes in cancer (human)
 RO1CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)

** PO1CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)
 ** PO1CA-13330-03 0048 Cancer research program - Biochemical pharmacology of anti-tumor drugs
 RO1CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
 RO1CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
 RO1CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
 ** PO2CA-13943-02 0011 Clinical pharmacology immunology cancer research center - Inhibition of RNA and protein synthesis
 ** RO1CA-14226-02 Malignant transformation of DNA inhibitors (mice)
 RO1CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
 RO1CA-14312-01 Hepatocellular growth-In vitro system (rats)
 RO1CA-14525-02 Biochemistry of normal and leukemic lymphocytes (human)
 RO1CA-14675-02 Mitosis in normal and neoplastic cells (human, rodents, birds, insects)
 ** PO1CA-14733-02 0007 Control of gene expression, virus replication and cell growth - Molecular basis of interferon induced antiviral activity (chick embryo)
 ** PO1CA-14733-02 0008 Control of gene expression, virus replication and cell growth - Protein synthesis in density inhibited animal cells
 R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
 ** RO1CA-14969-02 0005 Radionuclide studies of tumors and growth - Molecular basis of action of cis-dichlorodiammine platinum (mammals nonhuman)
 ** RO1CA-15189-01 DNA repair and carcinogenesis (rodents)
 RO1CA-15317-01 Double intercalators as anticancer agents (mice)
 RO1CA-15360-01 Carcinostatic agents—Mechanisms of action (rats)
 R26CA-15416-02 Prostatic DNA synthesis—A screen for cancer chemotherapeutic agents (rats)
 RO1CA-15577-01 Tumor cell inhibition by nucleotide aldehyde analogs (L1210)
 PO2CA-15688-01 0004 Program in medical oncology - Vitamin B12 antagonists as anti-cancer agents
 ** RO1CA-15915-01 A molecular probe for the study of DNA replication (bacteria)
 RO1CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)
 RO1CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
 PO1CA-16127-01 0017 Cancer Research and Treatment Center Program - Metabolism of benzo(A)pyrene (human, laboratory animals)
 RO1CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
 ** RO1CA-17123-03 Membrane active inhibitors of DNA replication (bacteria)
 ** NO1CM-12186-04 Development of inhibitors to RNA methylation (mammals nonhuman)
 ** NO1CM-12339-05 Biochemical screening for anticancer agents
 NO1CM-33724-01 Synthesis of derivatives of 3-formylrifamycin-SV
 RO1DE-03469-03 Teratogens on cleft palate formation (mice)
 RO1ES-00769-09 Toxicity studies with a chelating agent (rats)
 RO1GM-10717-12 Nucleic acid metabolism of mammalian cells in culture
 RO1GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)
 ** RO1GM-12573-10 Mechanism of action of cytotoxic drugs
 RO1GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
 P11GM-15477-08 0126 Drug metabolism and biochemical pharmacology - Coadministration of noncytotoxic agent and cytotoxic drug (cell culture)
 RO1GM-18012-04 Biochemical and genetic studies of DNA synthesis (viruses and bacteria)
 RO1GM-18936-04 Circular DNA elements in Bacillus megaterium (bacteria)
 ** RO1GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
 PO1GM-19100-03 0020 Genetics research center - Characterization of nuclear DNA in yeast (S cerevisiae mutants)
 RO1GM-19175-03 Gene functions associated with the sexual cycle (yeast)
 RO1GM-19189-02 Control of DNA replication (bacteria, mice)
 RO1GM-19396-01 Fungal spore germination and mitochondrial biogenesis
 ** RO1GM-19677-02 Isolucine-mediated initiation of DNA synthesis
 RO1GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, Drosophila)
 ** RO1GM-21747-01 Novel inhibitors of a DNA replicase
 RO1HD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HD-02147-08 0002 Extruterine growth and development 2 Cellular division (mice)
- RO1HD-03132-07 Biochemistry of early human and mouse development
- RO1HD-04015-06 Regulation of gene expression in urchins, slime molds)
- RO1HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
- RO1HD-05291-04 Hormonal regulation of an enzyme system in the uterus (rats)
- ** RO1HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
- RO1HD-06702-03 Morphogenetic properties in limb development (chick embryo)
- RO1HD-06910-02 Synthesis, characterization, and fate of mouse ovum RNA
- ** RO1HD-07461-01 An inhibitor of DNA synthesis of placental origin (human, rats)
- PO1HD-07495-02 0009 Center for population research, studies in reproductive biology - Isolation and purification of progesterone receptors (chickens, rat, guinea pig)
- PO1HD-07495-02 0017 Center for population research, studies in reproductive biology - Hormonal regulation of gene expression (chickens)
- RO1HL-10941-08 Pathogenesis of hepatic veno-occlusive disease (monkeys, rats)
- RO1HL-13767-03 Steroid hormone effects on fibrinogen synthesis (chicks)
- P17H-14177-04 0003 Center for prevention and treatment of atherosclerosis - Interaction of aortic tissue with plasma fractions in hyperlipemia (swine, human)
- RO1MH-12506-09 Chemical correlates of memory (goldfish, rats, monkeys)
- RO1MH-13026-07 Pharmacogenetics of audiogenic seizures (mice)
- PO1MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- RO1MH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
- RO1MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- RO1NS-09082-03 Studies of neural proteins (rats)
- MO1RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)

NUCLEIC ACIDS METABOLISM

- SEE ALSO NUCLEIC ACIDS REPAIR, DNA REPAIR (ENZYME)
- SEE ALSO NUCLEIC ACIDS SYNTHESIS
- SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS
- RO1AA-00252-05 Alcohol and brain macromolecules (mice, rats)
- R22A-12060-01 Antimetabolite targets in schistosomes and filariae
- ** RO1AM-16013-03 Enzyme regulation in the hemopoietic system (human)
- ** RO1AM-16741-01 Purine metabolism-Erythrocytes of developing chicks
- RO1CA-08318-07 Radiation effect on protein and nucleic acid metabolism (rats)
- ** RO1CA-15389-01 Fate of RNA in malignant and normal cells (mice, Xenopus)
- ** RO1CA-15615-01 Effects of hydrazines on RNA and polyamines (rats)
- RO1CA-15697-01 Altered RNA metabolism in chronic lymphocytic leukemia (human)
- ** RO1CA-15747-01 Cellular RNA metabolism of RNA tumor viruses
- NO1CM-43786-00 Characterization of antitumor drugs; effects on polynucleotide metabolism
- PO1ES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)
- RO1FD-00530-01 Mechanisms of radiation resistance in microorganisms (S typhimurium)
- ** RO1GM-16496-06 0030 Clinical pharmacology-Pharmacokinetics - Cyclic AMP metabolism in leukocytes
- RO1GM-16541-06 Biochemical genetics of Neurospora circadian rhythms
- ** RO1GM-19375-03 Control of enzyme activity in mammalian cells (hamsters, Escherichia coli)
- RO1GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)
- RO1GM-21012-01 Mutations affecting RNA polymerases of mammalian cells (mice, human)
- RO1GM-21070-01 Control of DNA replication in animal cells and virus
- ** RO1GM-21357-01 Processing and turnover of coil nuclear RNA (human)
- RO1HD-04072-06 Placental and fetal RNA metabolism (rats)
- ** RO1HD-05384-03 Nutritional aspects of purine metabolism (rats)
- PO1HD-05874-04 0003 Biochemical regulation of aging processes - Hormone binding macromolecules during development and aging (rats, human)
- RO1HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- PO1NS-03346-13 0017 Research center for cerebrovascular disease - Experimental central neurogenic hypertension (cats)

- RO1NS-10490-01 Metabolism of cAMP in brain (human)
 - RO1NS-11329-01 mRNA metabolism in differentiating cells (mice)
- NUCLEIC ACIDS RECONSTITUTION**
- RO1CA-15923-01 Nonhistone proteins of reactivated erythrocyte nuclei (chick, HeLa cells)
 - ** RO1GM-20798-01 Physical properties of DNA renaturation kinetics
 - PO1GM-20927-01 0008 Sequence structure of eukaryotic genome - Reassociation products of known length DNA fragments (Xenopus)

NUCLEIC ACIDS REPAIR, DNA REPAIR (ENZYME)

- RO1AJ-01218-18 The mechanism of bacterial transformation (yeasts)
- ** RO1AJ-04886-12 Virus growth and genetics (bacteriophage)
- RO1AJ-05371-12 The physiology of bacterial conjugation
- RO1AJ-06045-11 Structure and synthesis of DNA (E coli, bacteriophage)
- RO1AJ-08161-07 Replication and recombination in bacterial viruses
- ** RO1AJ-09392-05 E coli mutator genes (also slime molds)
- ** RO1AJ-10778-03 Induced mutations in bacteria (E coli)
- RO1AJ-11712-01 Degradeation of T4 DNA occurring early in infection
- RO1AJ-11839-02 Molecular biology of vaccinia virus replication
- RO1AM-11317-08 Mitochondria-Nucleic acid synthesis and role of DNA (rats)
- RO1AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- ** RO1AM-16002-02 DNA repair mechanism in systemic lupus erythematosus (mice)
- ** RO1CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
- RO1CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- ** RO1CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- RO1CA-04542-16 Modification of radiation response in vitro (mammals)
- RO1CA-05687-14 Genetics of radiation and radiomimetic agents (microorganisms)
- PO2CA-05831-13 0042 Cancer clinical research - Genetic variation in enzymes which modify chemical carcinogens
- ** RO1CA-06420-13 Karyotype and phenotype of malignant cells (human, rats, hamsters)
- ** RO1CA-06437-13 Molecular basis of radiation lethality (bacteria)
- ** PO2CA-06519-12 0005 Radiation therapy and biology research program - Accurate repair of DNA containing interstrand cross-links
- ** PO2CA-06519-12 0022 Radiation therapy and biology research program - Cellular recovery mechanisms, DNA repair and radiation sensitization
- ** PO2CA-06519-12 0086 Radiation therapy and biology research program - Repair of cross linked DNA in bacteria and mouse leukemia cells
- ** RO1CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- ** PO2CA-08480-09 0025 Childhood cancer research center - Effect of alkylating agents and irradiation on DNA repair mechanisms
- ** RO1CA-08618-09 Cellular responses to irradiation (hamsters)
- ** RO1CA-10666-07 0002 Molecular pharmacology of tumor and virus inhibitors - Camptothecin (viruses, mammals)
- ** RO1CA-10714-07 Repair of radiation damage to cellular DNA (hamsters)
- PO1CA-10815-06 0026 Consolidated basic cancer research program - Relationship between SV40 integration and cellular DNA repair (monkeys)
- ** RO1CA-10978-06 Enzyme control mechanisms in chemical carcinogenesis (mice, rats)
- RO1CA-11224-06 0001 Neurooncogenesis by resorptive carcinogens - Interactions of N-nitrosoureas with cellular components (rats)
- ** RO1CA-11322-06 Nucleic acid function in relation to cancer (E coli, animals)
- ** RO1CA-11751-05 Effects of radiation on stationary cells (mammals, human)
- ** RO1CA-11939-03 Chemical carcinogenesis and mammalian DNA replication (mice, hamsters)
- RO1CA-12133-03 Restoration of bacterial chromosome from UV-damage (microorganisms)
- ** RO1CA-12218-04 Pathogenesis of liver cancer (rats, guinea pigs)
- ** PO1CA-12227-04 0005 Core program in carcinogenesis - Tumor progression (human)
- PO1CA-12227-04 0006 Core program in carcinogenesis - Carcinogenic process in the liver (rats, guinea pigs, mice)
- ** PO1CA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
- ** PO1CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
- ** PO1CA-12227-04 0021 Core program in carcinogenesis - DNA replication (human, rats)
- ** RO1CA-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)

- ** RO1CA-12428-04 DNA repair and its relationship to carcinogenesis
- ** RO1CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- ** RO1CA-12538-03 Cancer-Cell regulation and DNA repair (human, cattle, bacteria)
- RO1CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
- ** RO1CA-12693-03 Modification of x-ray induced damages in phase T4
- ** PO1CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- ** RO1CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- ** RO1CA-13058-03 Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)
- PO2CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
- ** PO2CA-13148-03 0052 Pilot cancer center - Role of DNA repair in cancer biology (human)
- RO1CA-13196-03 Group transfer processes in normal and malignant cells (rats)
- ** RO1CA-13270-02 Effects of fast neutrons on cultured mammalian cells
- ** PO1CA-13330-03 0054 Cancer research program - Role of RNA-DNA hybrids in DNA synthesis and repair (human)
- ** RO1CA-13344-03 Repair synthesis of DNA in precancerous rat liver
- ** RO1CA-13437-02 Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals)
- RO1CA-13779-02 Split-dose repair-Dividing vs post-mitotic cells (insects)
- RO1CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
- ** RO1CA-14005-02 The photoreactivating enzyme in repair of DNA (E coli)
- PO1CA-14395-02 0010 Cancer research center of Greater Miami - DNA replication and regulation in mammalian cells
- ** RO1CA-14396-02 Repair of DNA crosslinks in bacteria and animal cells
- PO1CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Abnormal viral DNA replication
- ** RO1CA-14689-01 Repair and replication of liver DNA in chemical carcinogenesis
- ** RO1CA-14799-01 Role of a human cell endonuclease in repair of DNA
- ** RO1CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- RO1CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
- RO1CA-15187-01 DNA synthesis-Regulation in normal and cancer cells (rat liver)
- ** RO1CA-15189-01 DNA repair and carcinogenesis (rodents)
- RO1CA-15203-01 Brain tumor therapy-Radiation, DNA damage and repair (rats)
- RO1CA-15208-01 Somatic mutation and chemical carcinogenesis (hamsters)
- R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
- RO1CA-15901-01 Mutants and altered radioresponse of cells and tumors (mice)
- R26CA-15969-01 Hydrocarbon metabolizing enzymes and colon cancer (human, rats)
- RO1CA-16343-01 Mechanism of action of the photoreactivating enzyme
- ** PO1CA-16359-01 0021 Cancer center support grant - DNA repair in bacteria and mammalian cells
- ** PO1CA-16359-01 0023 Cancer center support grant - Mechanism and control of DNA replication in E coli F plasmids
- PO1CA-16359-01 0024 Cancer center support grant - Mammalian developmental biology
- PO1CA-16359-01 0059 Cancer center support grant - Medical oncology
- RO1CA-17123-03 Membrane active inhibitors of DNA replication (bacteria)
- NO1CM-43791-00 Combined use of radiotherapy and clinically established antitumor drugs
- ** PO1ES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (human)
- ** PO1ES-00454-06 0024 Biological effects of environmental agents - Repair mechanisms in genetic damage and influence of environmental agents (human)
- PO1ES-00597-04 0068 Food-borne environmental toxicants - Evaluation of environmental compounds (salmonella)
- PO1ES-00597-04 0069 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals
- PO1ES-00597-04 0010 Food-borne environmental toxicants - In vitro biological responses
- RO1FD-00530-01 Mechanisms of radiation resistance in microorganisms (S typhimurium)
- ** RO1GM-07816-15 The mode of action of chemical mutagens (bacteria, mammals)
- ** RO1GM-09901-13 Replication and transcription of genetic material (microorganism, human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01GM-12179-10 Developmental control mechanisms (Euglena, B subtilis)
 R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
 R01GM-14108-09 DNA synthesis and genetic recombination in B subtilis
 ** R01GM-15881-14 Enzymatic excision and repair mechanism
 R01GM-16298-06 Molecular and genetic studies (Drosophila)
 R01GM-16329-06 Genetics and biochemistry of missense suppression (E coli, bacteriophage lambda)
 ** R01GM-16547-09 Repair of radiation-damaged nucleic acid (bacteria, yeast, algae)
 ** R01GM-16620-06 Gamma ray effects on D discoideum
 ** R01GM-17215-05 Renaturation and hybridization of nucleic acids (microorganisms)
 ** R01GM-17329-05 Genetic and biochemical studies of recombination (E coli)
 ** P01GM-17702-05 0007 Human biochemical genetics - Biochemistry of chromosomes in relation to meiosis and repair
 R01GM-18617-04 Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells)
 ** R01GM-18831-03 DNA maintenance systems (fungi)
 ** R01GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)
 ** R01GM-19010-03 DNA repair in Escherichia coli and Bacillus subtilis
 R01GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
 ** R01GM-19051-03 Gene restriction and recombination (bacteria)
 ** R01GM-19175-03 Gene functions associated with the sexual cycle (yeast)
 ** R01GM-19261-03 Repair of damaged DNA and mutagenesis in yeast
 R01GM-19374-03 Episomal and chromosomal DNA replication (bacteria)
 ** R01GM-19442-03 Function and mechanism of DNA ligase (E coli)
 ** R01GM-19703-01 Role of methylation in DNA replication and repair (E coli mutants)
 R01GM-20308-08 Genetic and biochemical studies of Escherichia coli
 ** R01GM-20361-01 Recombination proficiency in Drosophila melanogaster
 ** R01GM-20631-01 Determination of genetic repair in human subjects
 ** R01GM-21095-01 DNA metabolism in eukaryotes (green algae)
 P01HD-03015-08 0005 Program for developmental biology - Molecular mechanisms in meiosis (cattle, human)
 ** P01HD-05875-04 0013 Aging mechanisms of in vitro human cell systems - DNA replication and repair (WI-38)
 P01HD-06323-03 0007 Cellular senescence and control of cell proliferation - Genetic factors and aging of cultured somatic cells (human, deer)
 R01HD-07625-01 Control of transcription in aging animals (mice)

NUCLEIC ACIDS STRUCTURE

R01AI-03170-15 Deoxyribonucleotides determining drug resistance (bacteria)
 R01AI-06045-11 Structure and synthesis of DNA (E coli, bacteriophage)
 R01AI-10424-03 Polyamines in cellular metabolism and function (microorganisms, mice, algae)
 R01AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)
 R01AI-11855-01 Molecular structure of RNA viruses (R17 phage, turnip yellow mosaic virus)
 ** R01AI-11856-01 Molecular structure of RNA viruses
 ** R01CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
 R01CA-12073-04 Chromatin in normal and pathological liver cells (rats)
 R01CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
 R01CA-12410-04 Role of mitochondria and cancer (yeast, E coli)
 ** R01CA-12627-05 Polynucleotides and nucleic acids (bacteria)
 R01CA-14799-01 Role of a human cell endonuclease in repair of DNA
 ** R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
 R01CA-15171-01 Structures of antitumor azapurines and azapyrimidines
 R01CA-15923-01 Nonhistone proteins of reactivated erythrocyte nuclei (chick, HeLa cells)
 ** R01CA-16262-01 Subunit structure and function of oncornavirus RNA
 ** R01CA-16299-01 Mutagenic alterations in nucleic acid structure
 R01CA-16914-01 RNA modifying enzymes in normal and neoplastic cells (rats, yeast)
 P01DE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)

** R01GM-04738-18 Submicroscopic organization of chromosomes (animals, fungi)
 ** R01GM-10840-16 Structure and function of nucleic acids (microorganisms)
 ** R01GM-10999-10 Mammalian messenger RNA and protein biosynthesis (mice)
 ** R01GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
 ** R01GM-12589-10 Structure and reactions of nucleic acids (E coli)
 ** R01GM-13914-09 0003 Macromolecules of circulatory and genetic importance - Isolation of the bacterial genome (microorganisms)
 ** R01GM-14523-08 Nucleic acid interactions R-RNA, ribosome synthesis in bacteria and animal cells
 ** R01GM-15225-07 Structural analysis of biological macromolecules (bacteria, phages, yeast)
 ** R01GM-15547-07 Laser raman scattering from biological macromolecules
 R01GM-17371-04 Molecular geometries of nucleic acids
 ** R01GM-18243-04 Organization of DNA conformation in chromosomes (E coli, Mousa, hamsters)
 ** R01GM-18375-04 Structure of mitochondrial and kinetoplast DNA (plants, protozoa, amphibians)
 ** R01GM-18455-04 X-ray diffraction studies on tRNAs (E coli, yeast)
 ** R01GM-18632-03 Structures of nucleic acids and related molecules
 R01GM-18725-03 Thermodynamic character of protein conformation (bacteria)
 P01GM-19100-03 0022 Genetics research center - Proteins associated with constitutively repressed genome sequences (mammals)
 ** R01GM-19336-03 X-ray studies on biologically important molecules (fungi, plants)
 ** R01GM-19338-01 Total approach to nucleoside conformational analysis
 R01GM-19422-03 Precursors, mutants, and function of tRNA (E coli)
 R01GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
 ** R01GM-19856-01 Correlation of thermal environment and RNA structure (bacteria)
 ** R01GM-20610-01 Fluorescence of nucleic acids and bases at room temperature
 R01GM-20687-01 Modified DNA and gene therapy (mammals, bacteriophage)
 R01GM-20851-01 Electron microscopy of DNA of cells and viruses
 ** R01GM-20861-01 Nucleic acid conformation and properties
 R01GM-21000-01 Regulation of growth hormone messenger RNA (rats)
 R01GM-21352-01 RNA conformation and protein-RNA recognition
 ** R01GM-21431-01 Structural studies of RNA (yeasts, E coli)
 ** R01GM-21795-01 Magnetic resonance of heterocyclic triplet states
 R01HD-04569-04 Isolation and characterization of human ribosomal DNA (human)

NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE

R01AI-01466-18 Structure of biological macromolecules (viruses)
 R01AI-08722-06 Molecular studies on phage P2 and its satellite, P4
 R01AI-08998-06 Phage Phi X-174-Genetics and DNA chemistry (mammals, sea urchins, Drosophila)
 R01AI-09566-03 Genetic and taxonomic studies on the Actinomycetales
 R01AI-10243-04 Control of gene expression in viral infection
 ** R01AI-10257-04 Genetic analysis of tRNA coded by phage T4
 ** R01AI-10361-04 Nucleotide sequences in viral RNA
 R01AI-10610-03 Protein metabolism in yeast
 R01AI-10843-03 Molecular biology of adeno-associated virus
 R01AI-11516-01 Frameshift mutagenesis in Salmonella typhimurium
 R01AM-09131-10 Effect of amino acid analogs on protein synthesis (yeasts, rats)
 R01AM-13230-06 Biosynthesis of complex polysaccharides (bacteria, fungi, animals)
 R01CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)
 R01CA-08487-09 Biosynthetic polydeoxynucleotides (cattle)
 P01CA-08748-09 6601 Research program of Sjoen-Kettering Institute - RNA as a primer-template using DNA polymerase (E coli)
 ** R01CA-10137-08 Structure of virus and low molecular weight RNA
 P01CA-10893-06 0004 Cancer Research Center - Low molecular weight nuclear RNA
 P01CA-10893-06 0007 Cancer Research Center - High molecular weight RNA
 R01CA-10984-06 Structure and function of ribonucleic acids (bacteria, bacteriophage)

** R01CA-11034-06 Relation of transfer RNA structure and function (rabbits, bacteria)
 ** R01CA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)
 ** R01CA-11208-06 Control of synthesis and function of nucleic acid (bacteria, bacteriophage)
 ** R01CA-11705-05 Studies on DNA synthesis (bacteria, human, mammals)
 R01CA-11981-04 Synthetic and biological studies of nucleic acids (yeast, E coli, bacteriophage)
 R01CA-12210-14 Cellular control mechanisms (mammals)
 ** R01CA-12421-02 Isolation and sequence analysis of immunoglobulin mRNA (mice)
 R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
 R01CA-13008-03 Control of protein synthesis in viral oncogenesis
 P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
 R01CA-13175-03 RNA processing in tumor and transformed cells (rats, mice, cats)
 P01CA-13330-03 0028 Cancer research program - Repetitive DNA sequences in mammalian chromosomes (human, animals)
 R01CA-13431-03 Herpes virus nucleic acids in human tumors
 ** R01CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
 ** R01CA-13602-06 Structure and mechanism of action of DNA polymerase (animals, microorganisms)
 R01CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
 ** R01CA-13971-02 Informational RNA in plasma cell neoplasms (myelomas, human, mice)
 R01CA-14026-02 Structure and function of tumor virus DNA SV40
 R01CA-14103-02 Molecular basis of the actinomycin-DNA interaction
 R01CA-14396-02 Repair of DNA crosslinks in bacteria and animal cells
 R01CA-14620-02 Mechanisms of oncogenic virus gene expression (rabbits)
 R01CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncornaviruses
 R01CA-14868-02 Messenger RNA biogenesis in virus transformed cells (rats)
 R01CA-14989-01 Polyoma and SV40 tumor virus DNA sequence analysis
 R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
 R01CA-15166-01 Small RNAs of RNA tumor virus
 R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
 ** P01CA-15655-01 0024 Cancer center support grant - mRNA sequences in nuclear RNA (rabbits)
 ** R01CA-15940-01 Determining sequences from hemoglobin messenger RNA
 R01CA-16006-01 RNA and growth control in animal cells
 ** P01CA-16038-01 0012 Program on the molecular basis of viral transformation - Structure of herpesvirus genomes
 ** P01CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
 R01CA-16106-01 Structural studies on proteins specified by SV40
 R01CA-16262-01 Subunit structure and function of oncornavirus RNA
 ** R01CA-16327-01 Human biochemical genetics-Transfer RNA in leukemia
 R01CA-16368-01 Control of differentiation of erythroleukemic cells (human, mice)
 R01CA-16879-01 Viral oncogenesis
 R01CA-16895-01 mRNA synthesis and turnover in tumor cells (mouse L-cells)
 R01CA-16936-01 Relationship between tRNA modification and cell growth (E coli, rats)
 M01CP-33211-02 Molecular events in transformation by RNA oncogenic viruses (human, animals)
 M01CP-33293-03 Study role of virion-associated DNA polymerase
 M01CP-33366-01 Nucleic acids and proteins of the avian myeloblastosis virus
 ** M01CP-43385-00 Regulation of gene expression in mouse mammary cancer
 R01DE-03606-06 Morphogenesis of phage Phi 29 and its infectious DNA
 R01GM-08521-14 Carbon-13 magnetic resonance-Methods and theory
 R01GM-08647-13 Mechanism of messenger-RNA translation (microorganisms)
 R01GM-08710-13 Sequence of amino acids in proteins by computer aids
 ** R01GM-08968-13 Electron microscope studies of nucleic acid structures (flies, viruses)
 ** R01GM-09738-13 Genetic and biochemical study of tryptophan synthetase (bacteria)
 R01GM-10265-12 New methods for synthesis of polynucleotides
 R01GM-10499-12 Chromosome structure in relation to gene action (amphibians, plants, insects)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01GM-10791-12 Mechanism of biosynthesis of proteins (wheat, yeast, cattle, mice, E coli)
 R01GM-10991-15 Physical chemistry of nucleic acids (viruses, bacteria)
 R01GM-11180-11 Physical chemistry of deoxyribonucleic acid (Drosophila, mice)
 R01GM-11518-11 Fine structure of nucleic acids
 R01GM-11738-10 Primary structure of ribosomes (E coli, A vinelandii, B stearothermophilus)
 R01GM-12010-11 Enzymatic synthesis of nucleic acids (bacteria, viruses)
 R01GM-12395-10 Determination of transfer ribonucleic acid structure (yeasts)
 R01GM-12702-10 Genetic control of cytochrome C in yeast
 R01GM-13017-09 The chromosomal sites regulating operon expression (E coli)
 R01GM-13554-09 Structure and replication of bacterial viruses
 R01GM-14523-08 Nucleic acid interactions
 R01GM-14621-08 Physico-chemical studies of nucleic acids (E coli, Drosophila)
 R01GM-14652-08 Genetic control of protein synthesis in E coli
 R01GM-15253-08 0025 Genetics in medicine—Gene action in man - Isolation and base sequence of normal and mutant m RNA
 R01GM-15327-16 Ultracentrifugal studies of biological macromolecules (mice, human)
 R01GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
 R01GM-15401-06 Relation of structure to function of transfer RNA (bacteria)
 R01GM-15879-17 Genetics of Tetrahymena and Paramoecium
 R01GM-15886-08 Physiology and biochemistry of human chromosomes (Drosophila)
 R01GM-16059-06 Macromolecular aspects of synchronous cell division (bacteria)
 R01GM-16195-06 Biomolecular structure by electron microscopy
 R01GM-16298-06 Molecular and genetic studies (Drosophila)
 R01GM-16317-06 Enzymology and control of amino acid activation (rats, rabbits)
 R01GM-16329-06 Genetics and biochemistry of missense suppression (E coli, bacteriophage lambda)
 R01GM-17378-05 X-ray studies of the constituents of nucleic acids
 R01GM-17421-05 Role of tRNA in cell regulatory mechanisms (bacteria, mammals)
 R01GM-17533-13 Protein and nucleic acid model studies (E coli)
 R01GM-18079-03 RNA synthesis during differentiation (Drosophila)
 R01GM-18375-04 Structure of mitochondrial and kinetoplast DNA (plants, protozoa, amphibians)
 R01GM-18533-04 Methods for the sequence analysis of DNA (bacteria, beans, mammals)
 R01GM-18586-03 Nucleotide sequencing methods for oncogenic viruses
 R01GM-18881-09 Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle)
 R01GM-18887-03 Promoter and operator site DNA sequence analysis (bacteriophage, E coli)
 R01GM-18973-03 DNA replication of phage P22
 R01GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
 R01GM-19060-03 Sequence-dependence of polynucleotide configuration
 R01GM-19076-03 The transfer of genetic information (rabbits)
 R01GM-19079-03 0001 One MEV scanning transmission electron microscope - Linear non-repetitive sequence
 R01GM-19179-03 Nucleotide sequence changes in evolution (Drosophila)
 R01GM-19194-03 Regulation of gene replication and gene multiplicity (Drosophila)
 R01GM-19199-03 DNA of hypotrichous ciliates Stylonychia and Euplates
 R01GM-19302-03 Bacterial ribosome biosynthesis and RNA minor bases
 R01GM-19395-03 Synthesis of polyribonucleotides of defined sequence
 R01GM-19412-03 Basis of specificity in protein-nucleic acid interaction (E coli)
 R01GM-19422-03 Precursors, mutants, and function of tRNA (E coli)
 R01GM-19423-03 Characterization of tRNA maturation mutants (bacteria)
 R01GM-19519-03 Characterization of dinoflagellate DNA
 R01GM-19616-02 DNA and karyotypic studies of Drosophila genomes
 R01GM-19702-02 Biological significance of tRNA modifications (salmonella)
 R01GM-19963-02 Regulation of bacteriophage T4 gene expression (E coli)
 P01GM-20124-02 0010 Center for human genetics and inherited disease - Hemoglobin mRNA in thalassemia (human)
 R01GM-20147-02 Synthesis and regulation of eukaryotic ribosomal RNA (rats, anurans)

R01GM-20158-02 Arrangement of information in animal chromosomes (bacteriophage, Drosophila)
 R01GM-20261-01 Fine structure of ribosomal RNA (E coli, toads)
 R01GM-20275-02 Phosphorescent triplet state of polynucleotides
 R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
 R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
 R01GM-20639-02 Transcriptional controls in proviral and viral systems
 R01GM-20687-01 Modified DNA and gene therapy (mammals, bacteriophage)
 R01GM-20871-01 Studies of human chromosomal DNA (and Drosophila)
 R01GM-20922-01 Cytochemistry and structure of chromosomes (hamsters, flies)
 M P01GM-20927-01 Sequence structure of eukaryotic genome
 R01GM-20927-01 0001 Sequence structure of eukaryotic genome - Fraction identification by ferritin labels on repetitive DNA sequences
 R01GM-20927-01 0002 Sequence structure of eukaryotic genome - Nitrocellulose columns for DNA fragments
 P01GM-20927-01 0003 Sequence structure of eukaryotic genome - Single and double strand specific nucleases for DNA fractionation
 R01GM-20927-01 0007 Sequence structure of eukaryotic genome - Sequence content of bitwox region of Drosophila
 R01GM-20927-01 0008 Sequence structure of eukaryotic genome - Reassociation products of known length DNA fragments (Xenopus)
 R01GM-20927-01 0009 Sequence structure of eukaryotic genome - Characterization of rat and human genome
 R01GM-20927-01 0010 Sequence structure of eukaryotic genome - Repetitive sequences and chromosomal proteins (Drosophila)
 R01GM-20927-01 0011 Sequence structure of eukaryotic genome - Sequence content of folded circles (Xenopus)
 R01GM-20927-01 0012 Sequence structure of eukaryotic genome - Are interspersed single copy sequences really single copy (Xenopus)
 R01GM-20927-01 0013 Sequence structure of eukaryotic genome - Frequency versus precision of repetition (calves)
 R01GM-20927-01 0014 Sequence structure of eukaryotic genome - Longer repetitive regions, satellites and clusters (Xenopus, sea urchin)
 P01GM-20927-01 0015 Sequence structure of eukaryotic genome - Comparative studies of sequence arrangement
 R01GM-20927-01 0016 Sequence structure of eukaryotic genome - Relationships among interspersed and clustered repetitive sequences
 R01GM-20927-01 0017 Sequence structure of eukaryotic genome - Evolutionary rearrangement of moderately repetitive sequence elements
 R01GM-21050-01 Molecular mechanism of control of gene function (bacteriophage, bacteria)
 R01GM-21119-01 Biosynthesis of bacteriophage T4 transfer RNAs
 R01GM-21120-01 Chromosome DNA regulatory regions (lambda phage, rodents, rabbits, Xenopus, HeLa)
 R01GM-21168-01 The control, assembly and termination of proteins (viruses, bacteria, mice)
 R01GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, Drosophila)
 R01GM-21346-01 Arrangement of repetitive DNA sequences in humans
 R01GM-21380-01 Molecular basis for protein-nucleic acid interactions (bacteria)
 R01GM-21405-01 Modified nucleotides in mammalian tRNA (cattle, human, wheat, E coli)
 R01GM-21421-01 Stability of steady states in nucleic acid synthesis
 R01GM-21446-01 Modes of DNA amplification expressed by oocytes (orthoptera)
 R01HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, virus)
 R01HD-04015-06 Regulation of gene expression in development (sea urchins, slime molds)
 R01HD-05753-05 Oogenesis and gene control in reproduction
 R01HD-06727-03 Messenger RNA translation during embryogenesis (sea urchins)
 P01HD-07495-02 0017 Center for population research, studies in reproductive biology - Hormonal regulation of gene expression (chickens)
 R01HD-07627-01 Role of transfer RNA in cellular aging (human)
 R01HD-07659-02 Gene expression during oogenesis and embryogenesis (marine worms)
 R01NS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)

NUCLEIC ACIDS SYNTHESIS
 SEE ALSO MOLECULAR CONDENSATIONS, POLYMERS REPLICATION
 SEE ALSO VIRUS DEVELOPMENT, REPLICATION
 R01AI-00536-21 Reproduction and mutation of tobacco mosaic virus
 R01AI-01725-17 Biochemistry of animal virus multiplication

R01AI-02031-16 Biochemistry of lowpex replication and hyperplasia
 R01AI-03445-15 Virus induced alterations in animal cells
 R01AI-05103-11 Physiological studies of bacterial growth (and viruses, fungi)
 R01AI-05231-10 Synthesis of viral and gammaglobulin proteins
 R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
 R01AI-08004-07 The nature of Entamoeba histolytica
 R01AI-08190-07 Modes of action of antimycobacterial agents
 R01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
 R01AI-09337-05 Biology of bacteria forced to grow slowly
 R01AI-09861-08 Cell membrane synthesis in the control of growth (bacteria)
 R01AI-10019-04 Rex, a lambda gene not subject to ci repression (bacteriophage)
 R01AI-10527-04 Metabolism and hormones in arthropods
 R01AI-10619-03 A protein with repressor-like properties (bacteriophage, bacteria)
 R01AI-10822-03 Cuticle formation in parasitic nematodes
 R01AI-11703-01 Regulation of DNA synthesis in antibody forming cells (mice)
 R01AI-12066-01 0001 Nucleoside analogs—Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
 R01AM-01845-17 Enzymic mechanisms in biosynthesis (bacteria, shrimp)
 R01AM-02818-16 Biochemical analysis of the action of insect hormones
 R01AM-03846-15 Structure and function in liver injury (human, rats)
 R01AM-12769-09 Study of nephrectomy at birth and during growth (rats)
 R01AM-13660-04 Pathology of biomedical disorders in vitro
 R01AM-13897-05 Cellular adaptations to malnutrition (rats)
 R01AM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)
 R01AM-14528-05 Inborn errors of metabolism in cell culture (human)
 R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
 R01AM-15235-04 Mechanism of action of insulin (rats)
 R01AM-15404-04 Regulation of pathways of intermediary metabolism (cattle)
 R01AM-15467-03 Transfer RNA and hemoglobin synthesis—tRNA methylation (human, rabbits)
 R01AM-15555-03 Erythropoietin and the regulation of erythropoiesis (human, mice)
 R01AM-15756-03 Biochemistry of normal and abnormal renal growth (mice)
 R01AM-15901-03 The metabolic activity of thymic hormone (rats)
 R01AM-15917-03 Hemoglobin production during animal development (chick embryo)
 R01AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
 R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
 R01AM-16649-01 Mechanism of action of growth hormone (rats)
 R01AM-16865-02 Isolation of proinsulin mRNA (hamsters)
 R01CA-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
 R01CA-02790-19 Biosynthesis of purines (bacteria)
 R01CA-03528-17 Nucleic acid studies in cancer chemotherapy (human, rats)
 R01CA-03571-17 Enzyme biosynthesis and regulation—Urea biosynthesis (frogs)
 R01CA-03728-17 0002 Metabolism of normal and leukemic leukocytes - The methylfolate trap hypothesis of vitamin B12 action (human)
 R01CA-05191-15 Some endocrine aspects of neoplasia (mice)
 R01CA-05295-14 0001 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA biosynthesis (mice)
 R01CA-05295-14 0003 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on RNA biosynthesis (mice)
 R01CA-05619-12 Interactions in normal and malignant cell populations
 R01CA-05672-13 Drug resistance in mouse cells cultured in vitro
 R01CA-06081-13 0006 Ultrastructural pathology - Effect of urethane on cell proliferation in mouse lung
 R01CA-06145-13 0005 Chemotherapy of intracranial neoplasms - Corticosteroids (human)
 P01CA-06927-12 0021 Biological and biochemical program in cancer research - Cytodifferentiation (sea urchins)
 P01CA-07175-11 0001 Cancer research at the McArdle laboratory - Mechanism of mouse tumor skin formation
 P01CA-07175-11 0008 Cancer research at the McArdle laboratory - Reactions involved in carcinogenesis by chemicals (rats)
 R01CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)

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 **Oriented significantly to above subject.
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RO1CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
 RO1CA-08315-10 Steroid induced changes in cultured malignant cells
 PO2CA-08480-09 0013 Childhood cancer research center - Response of leukemic cells to oncolytic drugs (human)
 PO2CA-08480-09 0023 Childhood cancer research center - Combination chemotherapy in acute lymphocytic leukemia (human)
 RO1CA-10232-06 Tumor virus proteins-Studies with specific antisera (rabbits)
 RO1CA-10478-07 Lymphocyte proliferation in lymphocytic leukemia
 ** RO1CA-10594-07 Regulatory processes in tumor virus-infected cells
 ** RO1CA-10619-06 Synchronized cells-Controls in growth and division (hamsters)
 RO1CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
 ** RO1CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
 PO1CA-10815-06 0069 Consolidated basic cancer research program - Senescence and transformation in steroid-influenced cell growth (cell culture)
 ** PO1CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)
 RO1CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
 ** PO2CA-11198-06 0006 Cancer research center - Xanthine oxidase (dogs, human, mice)
 PO2CA-11198-06 0007 Cancer research center - Drug action (mice)
 RO1CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
 RO1CA-11692-03 Molecular studies of regulators in granulopoiesis (human, mice)
 RO1CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
 RO1CA-11811-09 Pharmacology of derivatives of natural compounds (mice, rats)
 ** RO1CA-11853-03 Polycytidylylase polymerase from tumor cells (mice)
 RO1CA-11981-04 Synthetic and biological studies of nucleic acids (yeast, E coli, bacteriophage)
 RO1CA-12056-03 Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats)
 RO1CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
 ** RO1CA-12210-14 Cellular control mechanisms (mammals)
 RO1CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
 RO1CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
 RO1CA-12503-04 Neoplastic growth and cell cycle control (mice)
 ** PO1CA-12800-03 0001 Immune functions and cancer - Proliferation and differentiation of lymphoid cells (human, mice)
 ** RO1CA-12809-03 Protein initiation in a model mammalian cell-free system (chick embryo)
 M PO1CA-12923-02 A correlated study on the biology of neoplasia
 RO1CA-13047-03 Control mechanisms of differentiation and malignancy
 ** PO1CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
 RO1CA-13137-02 Role of pyridine nucleotides in human leukemia
 RO1CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)
 RO1CA-13220-03 Membrane biochemistry of neoplastic cells
 RO1CA-13231-03 Effects of tumorigenic adenoviruses on cells
 PO1CA-13330-03 0023 Cancer research program - Virus-host cell interaction
 RO1CA-13381-03 Metabolic characteristics of cellular immune response (human)
 RO1CA-13814-02 Mitochondrial genetic system in cancer cells (15 viruses, chick embryo)
 RO1CA-13858-02 Polynucleotide termination by modified nucleosides (human, bacteria)
 PO2CA-13943-02 0011 Clinical pharmacology immunology cancer research center - Inhibition of RNA and protein synthesis
 PO2CA-13943-02 0050 Clinical pharmacology immunology cancer research center - Dermatology
 ** PO1CA-14097-02 0004 Cancer research program-Viruses; control mechanisms - Ultrastructure of viruses, nucleic acids, enzymes
 ** PO1CA-14097-02 0006 Cancer research program-Viruses; control mechanisms - Regulation of nucleic acid synthesis and genetic recombination (bacteriophage)
 PO1CA-14193-02 0011 Comparative leukemia studies unit - Characterization of viral nucleic acids
 RO1CA-14525-02 Biochemistry of normal and leukemic lymphocytes (human)
 RO1CA-14846-02 Mechanism of action of antitumor immune RNA (rodents)

RO1CA-14987-01 Mechanism of cortisol-induced lymphoma regression
 PO1CA-15655-01 0031 Cancer center support grant - Marine environment program
 RO1CA-15796-01 Steroid hormonal effects on renal carcinoma (hamsters)
 PO1CA-16038-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids
 RO1CA-16053-02 Determinants of drug response in neoplastic cells (mice, bacteria)
 RO1CA-16168-01 Cell surface alterations during antigenic modulation
 ** PO1CA-16359-01 0011 Cancer center support grant - Photosensitization of enzymes concerned with the biosynthesis of DNA
 NO1CP-32933-03 Study role of virion-associated DNA polymerase
 ** NO1CP-33366-01 Nucleic acids and proteins of the avian myeloblastosis virus
 P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary cells (human)
 RO1ES-00560-03 Perinatal pesticide toxicity (mice, rats)
 RO1FD-00149-12 Sanitation of freeze-dried foods (bacteria)
 RO1GM-10317-12 Biochemistry of sulfonium compounds (bacteria)
 RO1GM-10499-12 Chromosome structure in relation to gene action (amphibians, plants, insects)
 ** RO1GM-10717-12 Nucleic acid metabolism of mammalian cells in culture
 ** RO1GM-11518-11 Fine structure of nucleic acids
 RO1GM-11946-12 Properties of transforming and infectious DNAs (microorganisms)
 ** RO1GM-12010-11 Enzymatic synthesis of nucleic acids (bacteria, viruses)
 RO1GM-12427-10 Organization of animal cell nuclei (insects, toads)
 RO1GM-13435-09 Evolution of genetic specificity
 ** RO1GM-13554-09 Structure and replication of bacterial viruses
 ** RO1GM-13957-08 Biosynthesis and biological function of polyamines (bacteria, cattle)
 PO1GM-14552-08 0017 Normal and abnormal cell growth multidisciplinary study - Identification and isolation of erythropoietic precursor cells
 RO1GM-14957-07 R-RNA, ribosome synthesis in bacteria and animal cells
 PO1GM-16496-06 0037 Clinical pharmacology-Pharmacokinetics - Pharmacogenetics of allopurinol and related pyrazolo pyrimidines
 RO1GM-16539-06 Structure of nucleoprotein (microorganisms)
 RO1GM-16952-05 Alkylation of synthetic polynucleotides (bacteria)
 ** RO1GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
 ** RO1GM-18483-04 Drugs and gene activation (plants)
 ** RO1GM-18663-03 Regulation of ribosomal DNA and RNA transcription (plants)
 RO1GM-18881-09 Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle)
 ** RO1GM-19062-03 Mechanism and regulation of gene transcription (E coli)
 ** RO1GM-19096-03 Molecular basis of differentiation (toads)
 RO1GM-19147-03 Eukaryotic transcription by RNA polymerase (silene molds)
 RO1GM-19271-01 The amide transferases (bacteria, chicken)
 RO1GM-19883-01 Polyamines-Model gene regulators
 PO1GM-20124-02 0007 Center for human genetics and inherited disease - Mitochondrial biogenesis (mammals)
 ** RO1GM-20155-01 Thermodynamic studies of nucleotide synthesis
 RO1GM-20302-02 Synaptonemal complexes and recombination in mosquitoes
 RO1GM-20308-08 Genetic and biochemical studies of Escherichia coli
 RO1GM-20664-01 Molecular regulation of cell growth in culture (peanut plant)
 RO1GM-21000-01 Regulation of growth hormone messenger RNA (rats)
 RO1GM-21002-01 Aminoacyl-tRNA synthetase formation in animal cells
 RO1GM-21014-01 Molecular genetics of somatic cell mutation (cell culture, mice)
 RO1GM-21059-01 Biogenesis of mitochondria (Neurospora)
 ** RO1GM-21380-01 Molecular basis for protein-nucleic acid interactions (bacteria)
 R13GM-21384-01 Gordon research conference on nuclear proteins-1974
 ** RO1GM-21421-01 Stability of steady states in nucleic acid synthesis
 RO1HD-00391-15 Regulation of enzyme action during development
 RO1HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, virus)
 RO1HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)
 RO1HD-03132-07 Biochemistry of early human and mouse development

** PO1HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (Octopeltus, Pyrrhocoris, Drosophila)
 PO1HD-04024-06 0001 Mental retardation research center - Mammalian embryology (rabbits)
 ** RO1HD-04214-05 Control of transcription during spore germination (bacteria)
 RO1HD-04592-06 Biochemistry of the male genital tract (rodents)
 RO1HD-04701-05 Developmental biology (moths)
 PO1HD-05671-03 0041 Center for population research - Influence of androgens on epididymal metabolism and sperm maturation
 PO1HD-05875-04 0012 Aging mechanisms of in vitro human cell systems - Turnover of cellular organelles of human cells (WI-38)
 PO1HD-06276-03 0004 Mental retardation research program - Developmental anatomy and biochemistry of the eye (mice)
 RO1HD-06282-03 Macromolecular interactions during nuclear differentiation (animals)
 PO1HD-06321-02 0002 Genetic aspects of human fetal development - Development and differentiation in early mammalian embryos (human, rats)
 RO1HD-06374-02 Development, composition and function of eukotic cilia (mice)
 RO1HD-06387-03 Polyamine metabolism in reproductive physiology (rats)
 ** RO1HD-06538-03 Carbamyl enzymes and differentiation (bacteria, rats)
 RO1HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
 ** PO1HD-06645-03 0011 Center for population research - Regulation of nucleic acids, enzymes during differentiation (sea urchin)
 RO1HD-07195-02 Nutrition and cell growth (rats)
 RO1HD-07197-02 Steroid dynamics, (human, mammals)
 ** RO1HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
 PO1HD-07495-02 0021 Center for population research, studies in reproductive biology - Nuclear transplantation (amphibians)
 RO1HD-07796-02 Control of myosin synthesis during muscle differentiation (rats, quail)
 RO1HD-08188-02 Reproductive hormones-Biology and molecular actions (chickens)
 RO1HL-03709-17 Biological activities of group A Streptococcus
 PO1HL-06835-13 0002 Cardiovascular disease - Renin angiotensin system (human, mammals)
 RO1NS-06989-08 Cellular effects of neurotropic viruses (sheep)
 RO1NS-08000-07 Biochemistry of prominent structures of the cochlea (rats, cats)
 RO1NS-09161-18 Biochemistry of neural development (insects)
 ** MO1RR-00262-09 0008 General clinical research center - Nucleic acid metabolism in surgical patients
 ** MO1RR-00628-04 0045 General clinical research center for children - Nucleic acid metabolism in children with convulsive disorders, mental deficiency

NUCLEIC ACIDS SYNTHESIS, DNA
 SEE ALSO GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION

** RO1AA-00287-04 Effects of alcohol on subcellular organelles of liver (rats, rabbits)
 RO1AI-00328-23 Genetic investigations in yeast-Saccharomyces
 ** RO1AI-02032-17 Nucleic acids of herpesvirus infected cells (hamsters)
 RO1AI-03038-15 Control functions of bacteriophages and bacteriocins
 RO1AI-04043-13 Genetic studies of phage-prophage interactions
 RO1AI-04509-13 Biochemical genetic studies of virus multiplication
 RO1AI-04646-13 Antibody response to defined antigenic determinants (human, rodents, rabbits)
 ** RO1AI-04886-12 Virus growth and genetics (bacteriophage)
 ** RO1AI-05388-12 Genetic recombination and microbial DNA synthesis (bacteria, phage)
 RO1AI-05663-11 Interaction of alveolar macrophages and mycobacteria (rabbits)
 ** RO1AI-05722-11 Replication of the DNA of T-even bacteriophages
 RO1AI-06045-11 Structure and synthesis of DNA (E coli, bacteriophage)
 RO1AI-06153-11 Growth physiology of cestodes (rats)
 RO1AI-06966-09 Capsule synthesis, division and radiation sensitivity (bacteria)
 RO1AI-07012-09 The physiology of macrophages (mice, human, rabbits)
 ** RO1AI-07194-09 Structure and genetic control of colicines (bacteria)
 RO1AI-07471-08 Equine infectious anemia (horses)
 ** RO1AI-08057-06 Macromolecular aspects of spore germination (fungi)
 ** RO1AI-08133-17 Phage infection-Deoxyribonucleotide and DNA biosynthesis

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RO1AI-08161-07 Replication and recombination in bacterial viruses
 ** RO1AI-08230-07 Enzymology of normal and virus infected bacteria
 RO1AI-08286-06 Regulation of bacterial cell division
 RO1AI-08426-18 Metabolism of phytopathogenic bacteria
 RO1AI-08572-07 Transfection of E cell and its applications (bacteriophage)
 RO1AI-08619-07 Genetic control of non-chromosomal drug resistance (bacteria)
 RO1AI-08722-06 Molecular studies on phage P2 and its satellite, P4
 RO1AI-08795-06 Cellular events in the immune response (mice, rabbits)
 RO1AI-08817-06 Regulation of cells of the immune system (human, animals)
 ** RO1AI-09049-06 Physical chemistry of viruses and their components
 ** RO1AI-09079-06 Control of replication of genetic elements in bacteria (E coli)
 RO1AI-09102-06 Function of kinetoplast in hemoflagellates
 ** RO1AI-09392-05 E coli mutator genes (also slime molds)
 ** RO1AI-09456-05 Control of messenger RNA synthesis
 RO1AI-09736-05 Replication of phi-X-174 bacteriophage
 ** RO1AI-09882-03 Role of host cell proteins in synthesis of virus DNA
 ** RO1AI-09943-04 Genetics of structurally altered phage T4 genomes (bacteria)
 ** RO1AI-10056-04 Cellular regulation of growth and DNA synthesis (E coli, wheat)
 ** RO1AI-10201-04 Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
 ** RO1AI-10238-04 DNA metabolism in virus infected bacteria (T7 phage, E coli)
 ** RO1AI-10318-04 Structure and replication and bacterial plasmids
 RO1AI-10332-03 Intracellular parasitism
 RO1AI-10468-03 Infectious drug resistance plasmids
 RO1AI-10497-03 Response of thymus derived cells to antigen (mice)
 R22AI-10501-03 Cellular pathways in delayed hypersensitivity (rabbits)
 ** RO1AI-10514-03 An endonuclease synthesized by bacteriophage
 ** RO1AI-10648-03 Replication and transfer of R factor DNA (E coli)
 RO1AI-10686-02 Transfer factor therapy (human, rabbits, guinea pigs)
 ** RO1AI-10752-03 Regulation of the M13 viral DNA replication (E coli)
 RO1AI-10778-03 Induced mutations in bacteria (E coli)
 RO1AI-10806-02 Control of bacterial cell-wall synthesis and breakdown
 ** RO1AI-10828-03 Poxvirus biochemistry and synthetic virus particles
 RO1AI-10843-03 Molecular biology of adeno-associated virus
 RO1AI-10883-03 Herpes virus replication in synchronized cell cultures
 RO1AI-10947-03 0003 Metabolism of cells infected with nuclear DNA viruses - Genome of human cytomegalovirus
 ** RO1AI-11075-02 Control of bacterial plasmid replication
 RO1AI-11171-02 Cellular division in Mycobacterium avium
 RO1AI-11175-01 Regulation of graft versus host reactions (rats)
 RO1AI-11183-02 Antigen-binding cells of multiple specificity (mice, rabbits)
 RO1AI-11344-02 Phage-host interactions and control of phage growth
 RO1AI-11456-02 Extrachromosomal elements in gram negative bacteria (mice)
 RO1AI-11459-02 Host and viral influences phage lambda and P1 development
 ** RO1AI-11479-02 Bacterial membranes
 RO1AI-11516-01 Frameshift mutagenesis in Salmonella typhimurium
 ** RO1AI-11517-02 Action of edeine on macromolecular synthesis
 ** RO1AI-11519-02 Bacterial and mammalian DNA replication
 ** RO1AI-11633-01 DNA replication in small viruses, in vivo /in vitro
 RO1AI-11673-01 Effect of drugs on Plasmodium berghei (mice)
 ** RO1AI-11687-01 Interferon production by leukocytes (mice)
 ** RO1AI-11703-01 Regulation of DNA synthesis in antibody forming cells (mice)
 RO1AI-11712-01 Degradation of T4 DNA occurring early in infection
 RO1AI-11844-02 Maturation and component activity of immune systems (mice)
 RO1AI-11868-01 Regulatory mechanisms in virus development
 RO1AI-11906-01 Immunological reactions to haptens (rodents, rabbits)
 RO1AI-12054-01 Heterogeneity of murine thymus derived lymphocytes
 RO1AI-12090-01 Characterization of 'transfer factor' (mice)

RO1AI-12116-01 Biology of human lymphoblastoid cell lines
 RO1AI-12468-01 Naturally occurring delayed-type iso-hypersensitivity (mice, guinea pigs)
 RO1AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
 ** RO1AM-07568-11 Modulators controlling DNA synthesis in liver (rats)
 RO1AM-07646-11 Hepatic-splanchnic interrelationships (dogs, rats)
 RO1AM-07822-11 Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles)
 RO1AM-08879-09 Liver regrowth after excision-Regulation mechanisms (rat, cattle, dog, chicken)
 PO1AM-09001-10 0033 Biochemistry and immunology of blood diseases - Bone marrow aplasia (dogs)
 RO1AM-10332-09 Metabolism of pyrimidine nucleotides in skin (mice)
 RO1AM-10948-05 Endocrine regulation of muscle growth (chickens)
 ** RO1AM-11317-08 Mitochondria-Nucleic acid synthesis and role of DNA (rats)
 RO1AM-11649-06 Percutaneous absorption (human, rats, mice)
 RO1AM-11693-07 Lymphocyte functional capacities (chickens)
 ** RO1AM-13149-07 Hormonal regulation of control mechanisms (rats, chick)
 RO1AM-13228-06 Biological effects of auxiliary liver transplants (rats)
 RO1AM-13969-06 Factors controlling graft-host interactions (mice)
 RO1AM-14348-05 A fine structural study of human gastric epithelia
 RO1AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
 RO1AM-14548-05 Biogenesis of mitochondria during renal hypertrophy (rats)
 RO1AM-14887-07 0004 Pathophysiology and chemotherapy in psoriasis and cancer - Mechanism of drug action in skin
 RO1AM-15285-03 Biochemical regulation in epidermis (mice)
 RO1AM-15443-03 Regulation of erythroid maturation (human, rabbits, guinea pigs, mice)
 PO1AM-15515-03 0001 Psoriasis biology, psoriagenesis and lesion control - Mitotic behavior in epidermal system (human, lizards, mice)
 RO1AM-15590-03 The subcutaneous tissue in scleroderma (human)
 RO1AM-16391-02 Diurnal variations in cartilage and bone growth (rats)
 RO1AM-16441-08 Intermediate metabolism in epidermal differentiation
 RO1AM-16466-01 Cell differentiation (chick embryo)
 RO1AM-16505-02 GI hormones-Effect on growth and metabolism of GI mucosa (human, rats)
 PO1AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
 ** PO1AM-16944-01 0005 Renal disease and allograft effects of Streptococci - Lymphocyte migration inhibition and DNA stimulation tests (mice, dogs, monkeys)
 M RO1AM-16979-01 Hepatic regeneration
 ** RO1AM-16979-01 0001 Hepatic regeneration - Assay of hepatic regeneration (human, rats)
 ** RO1AM-16979-01 0002 Hepatic regeneration - Role of cyclic AMP in intracellular regulation of hepatic regeneration (rats)
 RO1AM-17179-01 Cyclic AMP in psoriasis
 RO1AM-17595-01 Feedback mediators controlling DNA synthesis in liver (rats)
 RO1AM-17684-01 Pathogenesis of celiac sprue and regional enteritis (human)
 RO1AM-18091-01 Effect of vagotomy on hepatic regeneration (rats)
 ** RO1CA-02146-21 Cytoplasmic factors in cellular growth (rats)
 RO1CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
 ** RO1CA-03728-17 0004 Metabolism of normal and leukemic leukocytes - Mitochondrial DNA synthesis (rats)
 ** RO1CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
 RO1CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
 PO1CA-04486-15 0003 Pathology of the digestive tract mucous membrane - Studies of cell-mediated immunity (human)
 ** RO1CA-04670-15 Hybridization, DNA function, mutation in cell culture (human, rodents)
 ** RO1CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)
 ** RO1CA-05298-14 Cellular pharmacology of folate antagonists (human, rats, mice)
 RO1CA-05449-13 Mechanism of bladder cancer (dogs, rats)
 RO1CA-05634-14 Southeastern cancer study group
 ** RO1CA-05671-14 0001 Glucocorticoid receptors in normal and malignant tissue - Inhibition of DNA synthesis by cortisol

PO2CA-05826-13 0041 Clinical cancer research center - Medical and metabolic studies-normal and malignant gastrointestinal cells in man
 PO2CA-05831-13 0029 Cancer clinical research - Cellular chemotherapy and kinetics (human)
 PO2CA-05831-13 0040 Cancer clinical research - Growth kinetics of plasma cell tumors (human)
 PO2CA-05834-13 0034 Cancer clinical research center - Assays for drug sensitivity before and after chemotherapy
 PO2CA-06516-12 0010 Cancer center support grant-Comprehensive - Cytokinetics-Experimental and clinical (human)
 PO2CA-06519-12 0023 Radiation therapy and biology research program - Characteristics of a strain of E coli K12 carrying recA ts
 PO2CA-06519-12 0075 Radiation therapy and biology research program - Replication and transfer of plasmid DNA in E coli
 ** PO2CA-06519-12 0084 Radiation therapy and biology research program - E coli cell membrane-Role in DNA replication
 ** PO2CA-06519-12 0093 Radiation therapy and biology research program - Origin and mode of phi-X174 double-stranded DNA replication
 ** PO2CA-06519-12 0094 Radiation therapy and biology research program - In vitro synthesis of phi-X174 single-stranded DNA
 ** PO2CA-06519-12 0095 Radiation therapy and biology research program - Effect of S1 nuclease on phi-X174 RF and other double-stranded DNA
 ** PO2CA-06519-12 0096 Radiation therapy and biology research program - Relationship between phi-X174 and S.13
 ** PO2CA-06519-12 0097 Radiation therapy and biology research program - Method of preparing large quantities of phi-X174 RF I
 ** PO2CA-06519-12 0098 Radiation therapy and biology research program - DNA replication of phage G4
 PO2CA-06519-12 0099 Radiation therapy and biology research program - Relationship of four new phi-X-like phages with X174 and S.13
 PO2CA-06551-11 0009 Cancer clinical research - DNA polymerases in human lymphocytes
 RO1CA-06656-12 Biochemical aspects of viral carcinogenesis
 ** RO1CA-06663-13 Mechanisms of control of mammalian cell multiplication (rats)
 RO1CA-06913-10 Anabolic control in normal and neoplastic tissues (cattle, bacteria)
 PO1CA-06927-12 0011 Biological and biochemical program in cancer research - Genetic information for tumor forming capacity (plants)
 ** PO1CA-06927-12 0016 Biological and biochemical program in cancer research - Initiation of DNA synthesis (human, sea urchins)
 PO2CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
 RO1CA-07000-10 Acquired hemolytic anemia of lymphocytic leukemia (human)
 RO1CA-07055-12 Lucha tumor associated viruses (frogs)
 ** RO1CA-07139-11 Biochemical studies in polyoma transformed cells
 PO1CA-07175-11 0002 Cancer research at the McArdle laboratory - Molecular biology of bacterial viruses (slime molds, bacteriophage)
 ** PO1CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
 ** PO1CA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)
 PO1CA-07175-11 0015 Cancer research at the McArdle laboratory - Initiation and patterns of transcription during virus development
 PO1CA-07175-11 0016 Cancer research at the McArdle laboratory - Carcinogenesis by RNA viruses (rats, mice, chickens)
 PO2CA-07177-11 0007 Clinical cancer research center - Hormonal requirements for breast tumor growth in organ culture (human)
 RO1CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
 RO1CA-08010-10 Mechanism of action of folate antagonists (human, mice, dogs, guinea pigs)
 ** RO1CA-08014-10 Circular DNA from oncogenic viruses and mitochondria (mice, human)
 RO1CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
 ** RO1CA-08373-09 Factors controlling cellular proliferation (mice)
 ** RO1CA-08395-09 Control factors for DNA synthesis (bacteria, human, mammals sub-human)
 RO1CA-08593-08 Immune responses to tumor grafts (mice, sheep)
 RO1CA-08618-09 Cellular responses to irradiation (hamsters)
 ** PO1CA-08748-09 5409 Research program of Sloan-Kettering Institute - Effect of adrenergic agonists on growth and DNA synthesis in taper liver (mice)

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- ** P01CA-08748-09 5502 Research program of Sloan-Kettering Institute - Radiation effects on enzymes related to DNA synthesis (human)
- ** P01CA-08748-09 5929 Research program of Sloan-Kettering Institute - Effect of steroid hormones on DNA synthesis of endometrial cancers
- ** P01CA-08748-09 6003 Research program of Sloan-Kettering Institute - DNA and protein synthesis in regenerating biological systems (mammals)
- P01CA-08748-09 6608 Research program of Sloan-Kettering Institute - Product of reverse transcriptase in normal and cancerous cells (E coli)
- ** P01CA-08748-09 6609 Research program of Sloan-Kettering Institute - Coupling between DNA replication and histone synthesis in the mitotic cycle
- P01CA-08748-09 6701 Research program of Sloan-Kettering Institute - RNA synthesis in reovirus-infected mouse fibroblasts
- P01CA-08748-09 7604 Research program of Sloan-Kettering Institute - Proliferation in rat liver induced by xanthine 3-N-oxide
- P01CA-08748-09 7605 Research program of Sloan-Kettering Institute - Cytotoxicity of methotrexate and other antifolates
- P01CA-08748-09 7607 Research program of Sloan-Kettering Institute - Cytotoxicity of ara-C in vivo
- ** R01CA-08800-08 Mechanisms of drug inhibition of human leukemic cells (rats, human)
- R01CA-08851-11 Viral carcinogenesis and latency
- ** R01CA-10055-08 Interaction of viruses with host chromosomes
- R01CA-10126-08 Mechanisms of transformation by oncogenic viruses
- ** R01CA-10298-06 Binding of antitumor agents to DNA
- ** R01CA-10619-06 Synchronized cells—Controls in growth and division (hamsters)
- P01CA-10748-07 0005 Cancer chemotherapy program - Radiation sensitizing effects of 5-Iodo-2'-deoxyuridine (tissue culture)
- P01CA-10815-06 0021 Consolidated basic cancer research program - SV-40 infection mechanisms (human, mice)
- P01CA-10815-06 0022 Consolidated basic cancer research program - Cellular and viral factors in integration of the viral genome (hamsters)
- ** P01CA-10815-06 0023 Consolidated basic cancer research program - Mechanisms associated with integration of SV40 DNA (mammals)
- ** P01CA-10815-06 0024 Consolidated basic cancer research program - Polyploid formation (hamsters, mice)
- P01CA-10815-06 0044 Consolidated basic cancer research program - Effects of chemical carcinogens on tumor viruses (rodents)
- P01CA-10815-06 0046 Consolidated basic cancer research program - Structural changes in chromatin of spermiogenic cells (mammals)
- P01CA-10815-06 0048 Consolidated basic cancer research program - Regulatory mechanisms of Hb, protein, RNA and DNA synthesis (chick embryo)
- P01CA-10815-06 0053 Consolidated basic cancer research program - Cellular interaction on regulation of macromolecular synthesis
- P01CA-10815-06 0063 Consolidated basic cancer research program - Properties of macrophage growth factor derived from L cells (human)
- R01CA-10871-07 Structure and function of chromosomal nucleohistone (animals, bacteria)
- ** P01CA-10893-06 0009 Cancer Research Center - Modifications of mammalian DNA (rats)
- R01CA-10916-13 Metabolism of normal and neoplastic tissues
- R01CA-10935-12 Steroid hormone metabolism and tumorigenic action (mice)
- R01CA-11027-06 Transcription and translation in poxvirus infected cells
- ** R01CA-11049-06 DNA replication in SV40 infected cells
- R01CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of antitumor drugs
- R01CA-11050-07 0013 Molecular pharmacology of the cell cycle - Cancer chemotherapy models
- P02CA-11051-06 0051 Clinical radiation research center - Radiation pathology—Cell proliferation kinetics (hamsters)
- R01CA-11176-06 Factors required for mammalian cell division
- P02CA-11265-05 0033 General clinical cancer research center - Blood cell separator (human, rabbits, monkeys, chimpanzees)
- P02CA-11265-05 0037 General clinical cancer research center - BCNU, CCMU and isocyanate derivatives
- R01CA-11371-06 Biochemistry of cell division in bacteria
- R01CA-11463-05 Regulation of histone biosynthesis in heteroploid cells (HeLa cells)
- R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
- ** R01CA-11524-04 Control of replication in human lymphocytes
- R01CA-11595-14 Regulation of cellular syntheses and activities (bacteria, animal cells)
- R01CA-11613-05 Yaba virus oncogenesis—Immunologic and viral factors (monkeys, rabbits)
- ** R01CA-11637-04 DNA replication in normal and tumor cells (rats)
- ** R01CA-11705-05 Studies on DNA synthesis (bacteria, human, mammals)
- R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- R01CA-11751-05 Effects of radiation on stationary cells (mammals, human)
- R01CA-11895-05 Molecular biology of tumor viruses
- ** R01CA-11939-03 Chemical carcinogenesis and mammalian DNA replication (mice, hamsters)
- ** R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
- R01CA-12068-03 Integration of SV40 DNA into mouse cell chromosomes
- ** R01CA-12096-04 Discontinuous DNA synthesis in vitro (E coli, mammals)
- ** P01CA-12174-04 0011 Growth and cell control processes - Sites of DNA replication within the nucleus (hamsters)
- ** P01CA-12174-04 0012 Growth and cell control processes - Direction of replication in mammalian chromosomes
- ** P01CA-12174-04 0014 Growth and cell control processes - Nuclear system for DNA replication (mammals)
- ** P01CA-12174-04 0015 Growth and cell control processes - Short-chain intermediates in replication
- ** P01CA-12174-04 0016 Growth and cell control processes - Structure of replication forks (human, Drosophila, slime molds)
- ** P01CA-12174-04 0017 Growth and cell control processes - Rate of DNA synthesis during 'S' phase of cell cycle
- P01CA-12174-04 0018 Growth and cell control processes - Effect of inhibition of protein synthesis on DNA synthesis (mammals)
- R01CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- ** R01CA-12191-05 Hormones and control mechanisms in cultured mammalian cells (rats)
- P01CA-12227-04 0001 Core program in carcinogenesis - Biochemical manifestations of aging (rats)
- ** P01CA-12227-04 0004 Core program in carcinogenesis - HeLa S-3 cell histone messenger RNA
- ** P01CA-12227-04 0006 Core program in carcinogenesis - Carcinogenic process in the liver (rats, guinea pigs, mice)
- P01CA-12227-04 0019 Core program in carcinogenesis - Metabolism of nuclear proteins in dividing cells (human, mice)
- ** P01CA-12227-04 0021 Core program in carcinogenesis - DNA replication (human, rats)
- R01CA-12306-04 Initiation of fibroblast division by glucocorticoids (3T3 fibroblasts)
- ** R01CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
- R01CA-12318-03 In vitro lymphocyte responses in Hodgkins disease (human)
- R01CA-12370-04 Cellular function in cancer and viral transformation (mice)
- R01CA-12382-03 Virus associated neoplasms (rabbits)
- ** R01CA-12410-04 Role of mitochondria and cancer (yeast, E coli)
- ** R01CA-12428-04 DNA repair and its relationship to carcinogenesis
- R01CA-12472-03 Molecular mechanism of viral (SV 40) carcinogenesis
- R01CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- R01CA-12504-04 Suppression of malignancy in cell hybrids (mice)
- R01CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
- ** R01CA-12590-04 Control of normal and abnormal chromosome growth (E coli)
- ** R01CA-12600-04 Incorporation of BUdR into DNA and neoplastic growth (Drosophila)
- R01CA-12607-03 Mechanisms of cytoplasmic division (bacteria, toads)
- ** R01CA-12627-05 Polynucleotides and nucleic acids (bacteria)
- P01CA-12662-03 0003 Cancer research center - Radiation response of mammalian cells (hamsters)
- R01CA-12686-02 Differentiation during progression to malignancy (rabbits)
- R01CA-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
- R01CA-12705-03 Replication and cellular transformation (chickens)
- P01CA-12708-03 0005 Studies of normal and malignant growth - Effect of nitrosourea derivatives on DNA polymerases in rat liver
- ** P01CA-12708-03 0006 Studies of normal and malignant growth - Regulation of DNA synthesis in normal and cancer cells (human, rats)
- ** R01CA-12714-03 Cytoplasmic factors and mitochondrial DNA synthesis (rats)
- ** R01CA-12818-03 DNA polymerases in normal and leukemic lymphocytes (human)
- P01CA-12923-02 0001 A correlated study on the biology of neoplasia - Factors that control cellular proliferation in mammalian cells (human, mice)
- ** P01CA-12923-02 0002 A correlated study on the biology of neoplasia - Stimulation of DNA synthesis by SV-40 (mice)
- R01CA-12933-03 Histone metabolism in neoplastic tissues (mice, rats)
- R01CA-12948-03 Host range mutants of simian virus 40
- R01CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- R01CA-13094-03 Oncogenic transformation and the cell envelope
- ** P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
- ** P01CA-13106-03 0002 Cold Spring Harbor laboratory cancer research center - DNA replication section (bacteria, viruses)
- P01CA-13106-03 0003 Cold Spring Harbor laboratory cancer research center - Electron microscopy section
- R01CA-13168-03 Insertion of foreign DNA into oncogenic viral DNA
- R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)
- R01CA-13213-03 Interactions between avian tumor viruses and their hosts
- R01CA-13216-03 Detection and modification of tumor immunity (human, mice)
- R01CA-13249-03 Southeastern cancer study group
- R01CA-13289-02 Role of regional lymph nodes in cancer surgery (human)
- P01CA-13330-03 0036 Cancer research program - Mechanism and regulation of gene transcription (bacteria)
- ** P01CA-13330-03 0054 Cancer research program - Role of RNA-DNA hybrids in DNA synthesis and repair (human)
- ** P01CA-13330-03 0057 Cancer research program - Host DNA replication induced by oncogenic viruses (monkeys, mice)
- R01CA-13336-02 Proliferative abnormalities in carcinoma of colon (human)
- R01CA-13394-02 Mechanism of viral carcinogenesis (human)
- R01CA-13400-02 Macromolecular events in synchronized tumor cells
- ** R01CA-13414-03 Replicon control in normal and transforming cells (hamsters)
- ** R01CA-13515-02 Genetic study of animal viruses (monkeys)
- ** R01CA-13602-06 Structure and mechanism of action of DNA polymerase (animals, microorganisms)
- ** R01CA-13639-03 Biochemistry of chromosome function in man
- R01CA-13657-05 Control of ribonucleotide reduction in eukaryotes (yeasts, mammals)
- R01CA-13658-03 Effects of lymphokines on tumor cells (human, rats, guinea pigs)
- R01CA-13745-02 Regulation of prostatic growth by androgens (human, rats)
- R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
- ** R01CA-13883-02 Replication of polyoma tumor-virus DNA
- R01CA-13884-02 Viral gene functions and regulation of cell growth
- R01CA-14084-02 Role of carcinogen in nucleic acid metabolism (rats)
- P01CA-14097-02 0007 Cancer research program—Viruses; control mechanisms - Biochemical and genetic studies on temperate phages
- ** P01CA-14097-02 0010 Cancer research program—Viruses; control mechanisms - DNA synthesis and division in bacteria
- R01CA-14126-02 Myeloma-induced inhibitor of lymphocyte function (mice)
- R01CA-14162-01 Carcinogen interactions in regenerating liver (rats)
- R01CA-14165-02 Optimization of radiation therapy (mice)
- P01CA-14193-02 0002 Comparative leukemia studies unit - Tissue culture studies on the replication of BLV
- ** P01CA-14195-01 0008 Core grant-Regulation, the cell membrane and cancer - Control of growth of mammalian cells
- P01CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
- P01CA-14195-01 0012 Core grant-Regulation, the cell membrane and cancer - Hepatocellular growth regulation by serum factors (cattle, rats)
- P01CA-14195-01 0016 Core grant-Regulation, the cell membrane and cancer - Serum factor requirements of fetal rat liver cells and transformed fibroblasts
- R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
- R01CA-14394-02 Mechanism of thymidylate synthetase—Model studies
- P01CA-14395-02 0008 Cancer research center of Greater Miami - Therapy and pyrimidine catabolism, radiation and repair (mammals)
- ** P01CA-14395-02 0010 Cancer research center of Greater Miami - DNA replication and regulation in mammalian cells
- ** P01CA-14395-02 0031 Cancer research center of Greater Miami - DNA biosynthesis and drug effects in skin cancer (human)
- R01CA-14396-02 Repair of DNA crosslinks in bacteria and animal cells
- ** R01CA-14448-02 DNA tumor viruses—Enzymology of polyoma DNA metabolism

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 **Oriented significantly to above subject.
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(contd)

P02CA-14520-02 0005 Wisconsin Clinical Cancer Center - Genetic transformation (gene therapy) in mammals (mice)
 R01CA-14572-02 Characterization of specific fragments of SV40 DNA
 P01CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Abnormal viral DNA replication
 ** P01CA-14599-01 0009 University of Chicago Cancer Research Center - DNA replication in normal and transformed cells (mice, *Drosophila*)
 ** P01CA-14599-01 0011 University of Chicago Cancer Research Center - DNA metabolism and DNA binding proteins of yeast meiosis
 ** P01CA-14599-01 0012 University of Chicago Cancer Research Center - Control of temporal order of eukaryote DNA synthesis (slime molds)
 P01CA-14599-01 0014 University of Chicago Cancer Research Center - Morphogenesis of cell surfaces (chick embryo)
 P01CA-14599-01 0018 University of Chicago Cancer Research Center - Biochemical control of cell growth (rats, mice)
 R01CA-14618-01 Growth and maturation of adeno-associated satellite viruses
 ** R01CA-14670-02 Host functions related to tumor virus infection
 R01CA-14673-01 Periodate induced lymphocyte transformation
 ** R01CA-14689-01 Repair and replication of liver DNA in chemical carcinogenesis
 P01CA-14723-02 0001 Experimental cancer immunology - Enhancing cellular immunity to transplantation antigen (guinea pigs, rats, mice)
 ** P01CA-14733-02 0018 Control of gene expression, virus replication and cell growth - Ribonuclease activity and TTP synthesis (rats)
 P01CA-14733-02 0019 Control of gene expression, virus replication and cell growth - Mutagenic DNA and RNA polymerase in phage T4
 R01CA-14774-01 Buoyant density studies on leukemic cells
 R01CA-14828-01 0004 Molecular mechanisms in carcinogenesis - Metabolic regulation in normal and malignant cells
 R01CA-14835-02 DNA polymerases in normal and neoplastic human cells
 ** R01CA-14885-01 Simian virus 40 DNA replication and transformation
 R01CA-14935-02 Cellular alteration induced by Rous sarcoma virus
 R01CA-14989-01 Polyoma and SV40 tumor virus DNA sequence analysis
 R01CA-14991-02 Renewal of premitotic and malignant intestinal cells (human, hamsters)
 ** R01CA-15058-01 Early genes of polyoma virus and DNA replication
 R01CA-15087-01 Growth control of SV40 virus transformed 3T3 cells
 P02CA-15145-01 0016 Cancer center support grant - Control of cell division (tissue culture)
 P02CA-15145-01 0018 Cancer center support grant - Role of host cell proteins in synthesis of virus DNA (bacteria)
 P02CA-15145-01 0019 Cancer center support grant - Cell surface changes during in vitro carcinogenesis
 P02CA-15145-01 0028 Cancer center support grant - Molecular mechanisms of chemical carcinogenesis at nuclear level (rats)
 P02CA-15145-01 0042 Cancer center support grant - Regulation of growth in normal and neoplastic tissues (human, rats)
 R01CA-15167-01 Immunologic responses in neoplastic growth (mice)
 ** R01CA-15187-01 DNA synthesis-Regulation in normal and cancer cells (rat liver)
 R01CA-15205-01 Hydrocarbon-Induced malignant transformation in vitro
 R01CA-15208-01 Somatic mutation and chemical carcinogenesis (hamsters)
 R01CA-15360-01 Carcinostatic agents-Mechanisms of action (rats)
 R01CA-15388-01 Characterization of serum factors inducing mitosis (human, mice)
 ** R26CA-15416-02 Prostatic DNA synthesis-A screen for cancer chemotherapeutic agents (rats)
 R01CA-15506-02 Isolation of molluscum contagiosum virus (human)
 ** R01CA-15579-01 Tumor virus DNA replication-A probe into oncogenesis
 R01CA-15594-01 Effects of radiation on replicating endothelial cells (mice)
 R01CA-15605-01 Chemotherapeutic agents and ultraviolet carcinogenesis (mice)
 ** R01CA-15616-01 DNA synthesis and antitumor drugs
 R01CA-15644-01 Control mechanisms of the G0 phase of the cell (tissue culture)
 ** P01CA-15655-01 0020 Cancer center support grant - Fatty acid phospholipid composition and DNA synthesis (bacteria)
 P01CA-15655-01 0027 Cancer center support grant - Cyclic nucleotides and cell division control (mice)

R01CA-15687-01 CAMP analogs as growth regulators in hepatoma cells
 P02CA-15688-01 0004 Program in medical oncology - Vitamin B12 antagonists as anti-cancer agents
 P01CA-15704-01 0003 Cancer center support grant - Chemical carcinogenesis (rats, tissue culture)
 R01CA-15722-01 Viral genes in malignant transformation
 R01CA-15744-01 Primary events in regulation cell multiplication (chick embryo)
 P01CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
 P01CA-15823-01 0009 Program in developmental biology of cancer - Membrane changes in neoplastic transformation (hamsters)
 R01CA-15831-01 Nuclear envelope in normal and tumor cells (mice)
 R01CA-15837-01 Cholesterols and cancer chemotherapy
 R01CA-15858-01 Control of growth of malignant cells by serum factors (mouse fibroblasts)
 ** R01CA-15915-01 A molecular probe for the study of DNA replication (bacteria)
 ** R01CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)
 R01CA-15956-01 Leukolinetics in acute leukemia with DFP32
 P01CA-16038-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
 P01CA-16038-01 0013 Program on the molecular basis of viral transformation - Regulation of cell division and DNA synthesis by parvovirus structural proteins
 P01CA-16127-01 0017 Cancer Research and Treatment Center Program - Metabolism of benzo(a)pyrene (human, laboratory animals)
 R01CA-16128-01 Interferon and the immune response in cancer patients
 R01CA-16147-01 Regulation of the hemopoietic stem cell
 R01CA-16153-01 Basic approach to improved antifolate cancer therapy
 R01CA-16154-01 D-glucosamine-Potentiation in cancer chemotherapy
 P01CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
 P01CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
 R01CA-16274-01 Non-histone chromosomal proteins and hepatoma growth (rats)
 P01CA-16359-01 0036 Cancer center support grant - Lymphoid populations in spontaneous leukemia (mice)
 P01CA-16359-01 0043 Cancer center support grant - Mechanisms of adjuvant action
 R01CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)
 R01CA-16896-16 Genetics of bacteria (bacteriophage)
 R01CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
 R01CA-17038-01 Postnatal determination of the submandibular gland (rats)
 ** R01CA-17123-03 Membrane active inhibitors of DNA replication (bacteria)
 ** N01CB-23875-02 Control DNA synthesis in the mammary gland
 N01CB-43923-00 Specificity of antigen-binding receptors on T cells (mammals nonhuman)
 N01CP-12324-04 Premalignant lesions in the large intestine
 N01CP-33279-01 Isolate, propagate and store mutant vertebrate cells (mice)
 N01CP-33348-02 Study the leukemia virus DNA polymerase
 N01CP-33352-01 Immunologic study of RNA tumor (type C) viruses (mice, cats, human)
 N01CP-43298-00 Regulatory proteins in oncogenic viruses
 N01CP-43331-00 Propagation and storage of mutant vertebrate cells
 N01CP-43375-00 Immunologic study of RNA tumor (type C) viruses (mice, cats, human)
 N01CP-45619-00 Purification of epidermal chalone (rats)
 P01DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
 R01DE-02678-07 Isoproterenol-stimulated salivary gland (mice)
 R01DE-03456-03 Viruses of cariogenic streptococci
 ** R01DE-03606-06 Morphogenesis of phage Phi 29 and its infectious DNA
 P10ES-00210-07 0019 Center for environmental management - Environmental chemicals and tumor virus expression-induction (rabbits)
 R01ES-00634-03 Biochemistry of arsenate (plants)
 R01EY-00196-17 Lens and neural retinal development and regeneration (foods)
 R01EY-00223-13 The physiology and pathology of the vitreous (monkey)
 P01EY-00396-07 0015 Basic ophthalmic research program - The physiological reactions of the lens to its environment
 R01EY-00555-04 Cataract and lens deterioration due to maturation (amphibians)
 R01FD-00694-01 Chromosome damage-repair-Radiation and sonication (plants)

R01GM-05850-16 Gene action in oogenesis and embryonic development (leads)
 ** R01GM-06196-15 Genetic recombination and viral DNA synthesis
 R01GM-07212-13 Cytogenetics-Chromosomal rearrangements (grasshoppers)
 ** R01GM-07581-13 Biosynthesis of deoxyribonucleic acid and membranes (bacteria, viruses)
 ** R01GM-07816-15 The mode of action of chemical mutagens (bacteria, mammals)
 ** R01GM-09654-13 Histone metabolism (invertebrates, insects)
 ** R01GM-09901-13 Replication and transcription of genetic material (microorganism, human)
 R01GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
 R01GM-12179-10 Developmental control mechanisms (*Escherichia coli*, *S. aureus*)
 R01GM-12829-10 0009 Wound healing - Hepatic regeneration (rats)
 ** R01GM-13221-09 Genetic recombination and replication in bacteriophage (E coli)
 R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
 R01GM-13280-11 Investigation of genetic problems with bacteriophages
 ** R01GM-13434-09 Transcription and translation in mammalian cells
 R01GM-13511-09 Genetic content and recombination of DNA fragments (viruses, bacteria)
 ** R01GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
 P01GM-13882-09 0001 Cell transformations, division and motion - Proteins of cell structure (sea urchins, human)
 ** R01GM-13970-08 Cytoplasmic genetic control systems (algae)
 ** R01GM-14108-09 DNA synthesis and genetic recombination in *S. aureus*
 ** R01GM-14358-08 Physicochemical and genetic studies of DNA function (bacteria, bacteriophage)
 ** R01GM-14398-08 Control of the replication of bacterial episomes (also yeast)
 R01GM-14426-08 Lysozyme and operon expression (viruses, E coli)
 P01GM-14552-08 0018 Normal and abnormal cell growth multidisciplinary study - Mechanism of action of arthropoietin (mice, rats)
 R01GM-14582-08 Biochemistry and morphology of the cell life cycle (*HeLa* cells, hamsters)
 ** R01GM-14711-08 Structure and replication of DNA
 ** R01GM-14927-08 DNA protein interactions in DNA replication control (T4 phage, slime mold)
 ** R01GM-15156-07 Biochemical interrelations of nucleus and cytoplasm (protozoa, mammals)
 R01GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
 P01GM-15422-07 0001 Program project in genetics - Cytogenetics (human, mice, reindeer)
 P01GM-15423-07 0026 Molecular basis of control mechanisms - Phage-host interactions
 P01GM-15423-07 0027 Molecular basis of control mechanisms - *poIA* Gene
 P01GM-15423-07 0034 Molecular basis of control mechanisms - Control of cell growth rates
 ** P01GM-15423-07 0047 Molecular basis of control mechanisms - Crossover distribution dependent on DNA replication
 ** P01GM-15423-07 0048 Molecular basis of control mechanisms - DNA synthesis in crossing over of lambda chromosome
 ** P01GM-15423-07 0057 Molecular basis of control mechanisms - DNA-protein interactions
 R01GM-15508-07 0001 Cell regulation and fetal proteins in neoplasia - Regulation of alkaline phosphatase (*HeLa* cells)
 ** R01GM-15697-07 Molecular mechanisms of information transfer (E coli, T7 phage)
 P11GM-15759-08 0025 Clinical pharmacology in rheumatic and muscular diseases - Effects of azathioprine and cyclophosphamide on cellular functions (human)
 R01GM-15766-07 Regulatory mechanisms in E coli
 R01GM-15837-07 Structure and function of lipids in the cell membrane (viruses, bacteria)
 ** R01GM-15879-17 Genetics of *Tetrahymena* and *Paramecium*
 R01GM-15886-08 Physiology and biochemistry of human chromosomes (*Drosophila*)
 P11GM-15956-07 0020 Factors affecting the responses to drugs - Parasomes and drug effects (rodents, human)
 R01GM-16059-06 Macromolecular aspects of synchronous cell division (bacteria)
 R01GM-16224-17 Biochemical genetics of microorganisms (neurospora)
 R01GM-16292-06 Biochemical genetic study of bacterial fatty acids
 ** R01GM-16298-06 Molecular and genetic studies (*Drosophila*)
 R01GM-16547-09 Repair of radiation-damaged nucleic acid (bacteria, yeast, algae)
 R01GM-16620-06 Gamma ray effects on *D. discoideum*

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** R01GM-17088-05 Molecular mechanisms in DNA replication
 R01GM-17317-05 Gene enzyme relations and recombination in yeast
 P01GM-17702-05 0008 Human biochemical genetics - Biochemistry of mammalian intracellular nucleases (human)
 ** R01GM-17709-04 Gene control of eucaryote cell growth and division (yeast)
 ** R01GM-18012-04 Biochemical and genetic studies of DNA synthesis (viruses and bacteria)
 R01GM-18014-04 Regulation of gene expression in synchronized cells (protozoa)
 P01GM-18153-04 0017 Gene control of mammalian cell differentiation - Antenatal diagnosis of sickle cell anemia (human)
 ** R01GM-18182-03 Biochemical studies on the regulation of DNA function
 R01GM-18233-04 Membrane structure, function and biogenesis (bacteria, bacteriophage)
 R01GM-18243-04 Organization of DNA conformation in chromosomes (E coli, *Neoussa*, hamsters)
 R01GM-18375-04 Structure of mitochondrial and kinetoplast DNA (plants, protozoa, amphibians)
 ** R01GM-18587-03 Structure and synthesis of episome DNA in bacteria
 R01GM-18608-04 Plasmid DNA replication
 R01GM-18649-16 Enzymatic synthesis of precursors of DNA (yeasts, bacteria)
 ** R01GM-18735-03 Control of growth and division (bacteria)
 ** R01GM-18829-03 Chromosomal structure and genetic redundancy (insect, plants)
 ** R01GM-18842-03 Genetic control of phage T4 DNA replication
 R01GM-18858-03 Lipids and control of mitochondrial biogenesis (yeast)
 R01GM-18904-03 Regulation of differentiation in germinating spores
 ** R01GM-18926-03 DNA structure and replication in yeast and bacteria
 ** R01GM-18973-03 DNA replication of phage P22
 ** R01GM-19010-03 DNA repair in *Escherichia coli* and *Bacillus subtilis*
 R01GM-19043-03 Cell division and membrane proteins (bacteria)
 P01GM-19100-03 0020 Nuclear research center - Characterization of nuclear DNA in yeast (*S cerevisiae* mutants)
 ** P01GM-19100-03 0021 Genetics research center - Temporal order of replication of some DNA cistrons (mammals, frogs, viruses)
 ** R01GM-19167-03 Function of bacterial membranes in DNA replication
 ** R01GM-19175-03 Gene functions associated with the sexual cycle (yeast)
 ** R01GM-19189-02 Control of DNA replication (bacteria, mice)
 ** R01GM-19194-03 Regulation of gene replication and gene multiplicity (*Drosophila*)
 ** R01GM-19199-03 DNA of hypotrichous ciliates *Stylonychia* and *Euplotes*
 R01GM-19310-03 Molecular aspects of genetic recombination
 R01GM-19330-03 Genetic control of replication during meiosis (yeast)
 ** R01GM-19374-03 Episomal and chromosomal DNA replication (bacteria)
 ** R01GM-19439-03 Genetic control of cell physiology and structure (bacteria)
 ** R01GM-19442-03 Function and mechanism of DNA ligase (E coli)
 ** R01GM-19484-03 Control of DNA replication in a eukaryote (slime mold)
 R01GM-19519-03 Characterization of dinoflagellate DNA
 ** P01GM-19521-03 0005 Genetic study of mammalian control systems - Studies of early embryos (human, mice)
 R01GM-19607-02 Mechanisms of mitochondrial transmission genetics (yeast)
 R01GM-19677-02 Isoleucine-mediated initiation of DNA synthesis
 ** R01GM-19703-01 Role of methylation in DNA replication and repair (E coli mutants)
 R01GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
 R01GM-19789-02 Molecular structure of mammalian DNA polymerases (rats)
 R01GM-19957-02 Cell-cell interaction in the myxobacteria
 R01GM-19988-14 0002 Physical studies of nucleic acids and proteins - Physical studies of tandem genetic duplications (bacteriophage lambda)
 R01GM-20056-02 Control of gametogenesis
 R01GM-20069-02 Genetic control of protein structure and synthesis (human, mammals)
 ** R01GM-20101-03 Growth control by serum factors in liver cells (rats)
 ** R01GM-20122-02 Structural basis for regulation of ribotide reductase
 R01GM-20158-02 Arrangement of information in animal chromosomes (bacteriophage, *Drosophila*)
 ** R01GM-20160-02 Intermediates in DNA replication in *Escherichia coli*

R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
 ** R01GM-20361-01 Recombination proficiency in *Drosophila melanogaster*
 ** R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
 R01GM-20373-01 Genetic control of myogenesis in *Drosophila*
 R01GM-20418-01 Method for determining units of transcription
 R01GM-20483-01 Transcription of chromatin in vitro (rabbits)
 ** R01GM-20483-01 Proteins involved in DNA replication (E coli)
 R01GM-20509-02 Cell division and morphogenesis in bacteria
 R01GM-20523-01 Cyclic AMP and control of division in mammalian cells (tissue culture)
 ** R01GM-20535-01 Gene regulation during cell cycle by acidic nuclear prot (human)
 ** R01GM-20569-01 Properties of human hemoglobin and unwinding of DNA
 R01GM-20631-01 Determination of genetic repair in human subjects
 R01GM-20813-01 Role of DNA in DNA, RNA and protein synthesis (bacteria, viruses, HeLa cells)
 R01GM-20919-01 Cytogenetics of the mouse
 ** R01GM-21006-01 The bacterial envelope in cell duplication
 ** R01GM-21070-01 Control of DNA replication in animal cells and virus
 R01GM-21137-01 Genetic control of development (*Drosophila*)
 R01GM-21253-01 Molecular genetics of morphogenic pathways (virus, yeast)
 R01GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, *Drosophila*)
 R01GM-21287-01 Coupling eukaryotic genes to prokaryotic plasmids
 R01HD-00384-16 Ontogeny of immune mechanisms (mice, rats)
 ** R01HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)
 R01HD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)
 ** R01HD-01522-10 Metals and nucleic acids in mosquito growth and aging
 P01HD-02147-08 0002 Extruterine growth and development - Cellular division (mice)
 R01HD-02506-08 Teratogen and gene interactions on mouse development
 P01HD-03015-08 0004 Program for developmental biology - Primary germ cell differentiation (chick embryos, mosquitoes)
 ** P01HD-03298-13 0014 Developmental pathology - Animal cytogenetics (mammals)
 R01HD-03326-07 0002 Effects of early nutrition on growth and development - Genetic studies (human)
 ** R01HD-03753-06 Control of protein synthesis during embryogenesis (sea urchins)
 P01HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (*Octopeltus*, *Pyrrhocoris*, *Drosophila*)
 ** R01HD-04004-06 0008 Programmed senescence in cultured human cells - DNA synthesis in young and old confluent cultures of WI-38
 R01HD-04015-06 Regulation of gene expression in development (sea urchins, slime molds)
 ** R01HD-04134-06 Cytological studies in human genetics
 R01HD-04183-04 Persistent congenital and neonatal virus infections (human)
 R01HD-04699-05 Temporal order and aging in cultured somatic cells (rats, hamster)
 R01HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
 R01HD-05309-04 Gene transfer during differentiation and aging (human)
 R01HD-05443-03 Circulatory and cellular studies in runted fetal sheep
 R01HD-05506-04 Hormonal regulation of growth and differentiation (rats, human)
 P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 P01HD-05615-04 0010 Developmental biology in mental retardation - Developmental genetics (human, mice)
 ** P01HD-05671-03 0038 Center for population research - Regulation of DNA synthesis (rats)
 R01HD-05758-03 Mechanisms of sex differences in immunity (mice)
 ** P01HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)
 ** P01HD-05797-04 0008 Population and reproductive biology - Transcription of unique sequence DNA during estrogen mediated growth (chicks)
 ** P01HD-05797-04 0032 Population and reproductive biology - Growth stimulators (mice)
 ** R01HD-05804-04 Meiosis and reproduction (*Chlamydomonas reinhardtii*)
 ** P01HD-05875-04 0013 Aging mechanisms in vitro human cell systems - DNA replication and repair (WI-38)

R01HD-06195-03 Developmental analysis
 R01HD-06246-02 Organogenesis during mammalian embryonic development (mammals)
 P01HD-06276-03 0005 Mental retardation research program - Microspectrofluorometry of chromosomes (human)
 P01HD-06323-03 0003 Cellular senescence and control of cell proliferation - Protein function and its modification by hormones and growth factors (human)
 ** R01HD-06448-03 DNA and protein metabolism during ontogenesis (amphibians)
 R01HD-06526-03 Cell death and induced biosynthesis in teratogenesis (rats)
 R01HD-06550-03 Mechanisms underlying experimental teratogenesis (mice)
 ** P01HD-06645-03 0033 Center for population research - Cell cycle of preimplantation embryos (mice, rabbits)
 P01HD-06645-03 0036 Center for population research - Preimplantation embryo (mice)
 ** P01HD-06645-03 0037 Center for population research - Effect of steroids on RNA and protein synthesis (mice, monkeys, human)
 R01HD-06683-01 Role of chromatin embryonic determination (sea urchin)
 R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
 R01HD-07083-02 Control of proliferation during muscle development (quack)
 R01HD-07461-01 An inhibitor of DNA synthesis of placental origin (human, rats)
 P01HD-07495-02 0020 Center for population research, studies in reproductive biology - Nuclear membrane in reproductive tissue (chickens)
 P01HD-07495-02 0024 Center for population research, studies in reproductive biology - Analysis of cell proliferation in reproductive tissues (chickens)
 R01HD-07908-01 Metaplasia in nondividing cell system (insects)
 R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)
 R01HD-08185-01 Nucleo-cytoplasmic interactions during development and aging (human, rats)
 R01HD-08268-01 Vertebrate sex cell development (*Xenopus*)
 R01HD-08415-01 T-lymphocytes from precursor cells in vitro (mice)
 R01HD-08615-01 Estrogen control of uterine growth and cell division (rats)
 R01HL-04442-16 Mitochondrial assembly and replication (fungi, mammals)
 R01HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
 P17HL-14177-04 0003 Center for prevention and treatment of atherosclerosis - Interaction of aortic tissue with plasma fractions in hyperlipemia (swine, human)
 ** P17HL-14177-04 0005 Center for prevention and treatment of atherosclerosis - DNA synthesis in arterial cells in high cholesterol-triglyceride diets (swine)
 ** P17HL-14177-04 0006 Center for prevention and treatment of atherosclerosis - Nucleic acid synthesis in hyperlipemia (swine)
 P17HL-14177-04 0011 Center for prevention and treatment of atherosclerosis - Regression of atherosclerotic lesions (swine)
 R01HL-14663-03 Pulmonary oxygen toxicity in newborn mice
 P17HL-15061-03 0003 Response of lung to injury - Postnatal growth and development of the mammalian lung (rats, dogs)
 P01HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
 P01HL-15835-01 0010 Pennsylvania Muscle Institute - Muscle structure and reaction to injury (mice, rats, chick embryo)
 R01MH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)
 R01NS-08949-05 Cell proliferation in injured nervous tissue (mice)
 R01NS-09578-05 Spinal cord development (mice)
 R01NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
 R01NS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
 ** R01NS-11501-01 Effects of steroids on 3H-thymidine uptake in brain (rats)
 R01NS-11641-19 Biological effects of steroids (mice, rats, monkeys)
 R01NS-11782-01 Replication of the slow virus visna
 M01RR-00261-09 0049 General clinical research center - Hepatotoxicity from use of methotrexate in psoriasis (human, mice)
 ** P07RR-00273-09 0008 Mass spectrometric facility for biomedical research - Deoxyribonucleotide pools in DNA replication control (HeLa cells, hamsters)

NUCLEIC ACIDS SYNTHESIS, RNA
 SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION

R01AI-00328-23 Genetic investigations in yeast-Saccharomyces
 R01AI-00634-21 Chemistry of virus mutation
 R01AI-01594-18 The psittacosis group of organisms (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1AI-03957-14 Metabolic control mechanisms (bacteria, mammals, non-human)
- RO1AI-06457-09 Macromolecular synthesis in prokaryotes
- ** RO1AI-06844-09 Biosynthesis of viral RNAs
- ** RO1AI-08057-06 Macromolecular aspects of spore germination (fungi)
- RO1AI-08238-08 Biochemical studies of arbovirus multiplication
- ** RO1AI-08573-07 0002 Genetics of lambda prophage - Regulation of prophage insertion
- RO1AI-08814-06 Regulation of viral RNA translation
- RO1AI-09312-05 Host-cell interaction of animal viruses
- ** RO1AI-09456-05 Control of messenger RNA synthesis
- RO1AI-09608-05 Differentiation of neuropathic *Acanthamoeba* (mice)
- RO1AI-09779-05 Regulation of morphogenesis in the higher fungi
- ** RO1AI-10132-04 Replication and encapsidation of reovirus RNA
- ** RO1AI-10138-03 Foreign RNA for antibody synthesis by lymphoid cells (rabbits)
- RO1AI-10241-04 Encystment in free-living, invasive amoebas
- RO1AI-10282-03 Host factors which modify human interferon response
- RO1AI-10332-03 Intracellular parasitism
- RO1AI-10430-03 Molecular basis for the attenuation of poliomyelitis
- RO1AI-10478-03 Transport of amino acids by *Histoplasma capsulatum*
- RO1AI-10517-01 Biosynthesis of carotenes in mycobacteria
- RO1AI-10610-03 Protein metabolism in yeast
- RO1AI-10622-03 Modification of host resistance- Antifungal survey (mice, rats)
- RO1AI-10638-03 Viruses of phytopathogenic pseudomonads
- ** RO1AI-10692-03 Transcription and replication of animal RNA viruses
- ** RO1AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)
- RO1AI-11112-08 Cellular resistance to viral infection
- RO1AI-11127-02 Control mechanisms in paramyxovirus replication
- RO1AI-11323-02 Regulation of development of bacteriophage SP01 (bacteria)
- R22AL-11416-02 Cholera toxin and adrenal cells in tissue culture
- ** RO1AI-11648-01 Adenovirus gene expression in vitro and in vivo (*E. coli*)
- RO1AI-11658-01 Polypeptide cleavage during EMC virus synthesis
- RO1AI-11722-01 Rhabdovirus transcription and replication
- RO1AI-11730-01 Regulation of meiosis and ascus development in yeast
- RO1AI-11772-01 Replication of influenza virus (rabbits)
- R22AL-11794-01 Isolation and study of *E. coli* enterotoxins (tissue culture)
- RO1AI-11887-01 Structure and synthesis of immunoglobulins (human, mice)
- ** RO1AI-11913-01 Synthesis and regulation of viral RNA
- RO1AI-11996-01 Superinfection exclusion in RNA animal viruses (mice)
- RO1AI-12070-01 Autointerference in virus infections and malignancy
- ** RO1AI-12132-01 Regulation of transcription in virus infected cells
- ** RO1AI-12133-01 Viral induced changes in replication and transcription
- RO1AM-01921-17 Transport processes in mammalian cells (human, rodents)
- ** RO1AM-02131-17 0005 Trace lipids in cell function - Vitamin E (rats)
- RO1AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
- RO1AM-05556-13 Pancreatic regeneration and differentiation (rats)
- ** RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- ** RO1AM-07568-11 Mediators controlling DNA synthesis in liver (rats)
- PO1AM-09001-10 0039 Biochemistry and immunology of blood diseases - Determination of nucleotide sequence by dinucleotide assay
- ** PO1AM-09001-10 0050 Biochemistry and immunology of blood diseases - Role of c-AMP on mammalian RNA synthesis (rats)
- RO1AM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
- PO1AM-09650-10 0003 Hormonal and ionic control of metabolism - Metabolic control in isolated thymocytes
- RO1AM-10149-09 Hormonal control of lipid metabolism (rats)
- RO1AM-11060-17 Mechanisms of androgen action (animals)
- RO1AM-11146-07 Control of hepatic biosynthesis of plasma proteins (rats)
- RO1AM-13894-05 Synthesis of histidine degrading enzymes (bacteria, bacteriophage)
- RO1AM-13914-05 Proinsulin studies (human, animals)
- RO1AM-14058-15 Pathways of purine metabolism (human)
- RO1AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- RO1AM-14548-05 Biogenesis of mitochondria during renal hypertrophy (rats)
- RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
- RO1AM-14882-04 Chemical pathology of lesions produced by ethionine (rats, guinea pigs)
- RO1AM-14915-04 Aldosterone stimulation of sodium transport (anurans, rats)
- RO1AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)
- RO1AM-15364-04 Nutritional regulation of protein metabolism (rats)
- RO1AM-15403-03 RBC differentiation (neurts)
- RO1AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
- RO1AM-15782-03 Renal electrolyte actions of certain hormones (rats)
- RO1AM-16505-02 GI hormones-Effect on growth and metabolism of GI mucosa (human, rats)
- RO1AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)
- P17AM-17026-01 0002 Vanderbilt University Diabetes-Endocrinology Center - Epididymal growth factor (mice)
- P17AM-17026-01 0041 Vanderbilt University Diabetes-Endocrinology Center - Role of insulin in growth of human cells in culture
- RO1CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
- PO1CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
- ** PO1CA-02332-20 0011 Clinical and laboratory studies of normal and abnormal growth - Q-B replicating system
- PO1CA-02332-20 0019 Clinical and laboratory studies of normal and abnormal growth - Glucocorticoid regulation of hepatic transcription (rats)
- PO1CA-02332-20 0046 Clinical and laboratory studies of normal and abnormal growth - AAF carcinogenesis
- RO1CA-02897-18 Study of steroids and growth (rats)
- RO1CA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
- RO1CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- ** RO1CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)
- ** RO1CA-05671-14 0003 Glucocorticoid receptors in normal and malignant tissue - Inhibition of RNA by cortisol
- RO1CA-05671-14 0009 Glucocorticoid receptors in normal and malignant tissue - Regulation of enzyme activity in liver
- PO2CA-05834-13 0034 Cancer clinical research center - Assays for drug sensitivity before and after chemotherapy
- PO2CA-06516-12 0033 Cancer center support grant- Comprehensive - Poly A metabolism in normal and tumor cells (hamsters)
- ** PO2CA-06519-12 0101 Radiation therapy and biology research program - Enzymology of phage T7 RNA synthesis
- PO1CA-06927-12 0011 Biological and biochemical program in cancer research - Genetic information for tumor forming capacity (plants)
- RO1CA-06999-11 Metabolic changes induced by tumor virus (human)
- ** PO1CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
- PO1CA-07175-11 0016 Cancer research at the McArdle laboratory - Carcinogenesis by RNA viruses (rats, mice, chickens)
- ** RO1CA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- ** RO1CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
- RO1CA-08306-09 Protein biosynthesis in neoplasia (rats)
- ** PO2CA-08480-09 0006 Childhood cancer research center - Multiplication and genetics of myxoviruses (chickens)
- ** RO1CA-08618-09 Cellular responses to irradiation (hamsters)
- PO1CA-08748-09 6513 Research program of Sloan-Kettering Institute - Xanthine-3-M-oxide-induced rat liver disorders
- ** PO1CA-08748-09 6701 Research program of Sloan-Kettering Institute - RNA synthesis in reovirus-infected mouse fibroblasts
- ** PO1CA-08748-09 6702 Research program of Sloan-Kettering Institute - Semliki Forest Virus studies-RNA synthesis in infected hamster kidney cells
- ** RO1CA-10197-08 Tumor induction by avian myeloblastosis virus
- RO1CA-10467-07 Biochemical events after tumor virus infection
- RO1CA-10478-07 Lymphocyte proliferation in lymphocytic leukemia
- ** RO1CA-10628-07 Structure and function of ribosomes (mammals, yeast)
- ** RO1CA-10641-08 RNA synthesis in animal cells infected with ME virus
- RO1CA-10666-07 0002 Molecular pharmacology of tumor and virus inhibitors - Campothecin (viruses, mammals)
- RO1CA-10666-07 0005 Molecular pharmacology of tumor and virus inhibitors - Gliotoxin and related compounds (sole virus)
- PO1CA-10815-06 0048 Consolidated basic cancer research program - Regulatory mechanisms of Hb, protein, RNA and DNA synthesis (chick embryo)
- PO1CA-10815-06 0053 Consolidated basic cancer research program - Cellular interaction on regulation of macromolecular synthesis
- PO1CA-10893-06 0018 Cancer Research Center - RNA viruses (rats, mice)
- RO1CA-10893-06 Processing of ribosomal RNA in human cancer (HeLa cells)
- RO1CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of anticancer drugs
- ** RO1CA-11208-06 Control of synthesis and function of nucleic acid (bacteria, bacteriophage)
- RO1CA-11426-06 Structure and replication of Rous sarcoma and influenza virus (chickens)
- PO2CA-11602-05 0003 Research and clinical radiation center - Repair kinetics of radiation induced cell division delay
- PO2CA-11602-05 0094 Research and clinical radiation center - Use of luciferase in cell cycle analysis
- ** RO1CA-11624-05 RNA metabolism in development and hormonal regulation (soybean, pea)
- ** RO1CA-11950-04 Mammalian RNA synthesis during amino acid deprivation (L cells, HeLa cells, rats)
- ** RO1CA-12073-04 Chromatin in normal and pathological liver cells (rats)
- ** RO1CA-12101-04 Molecular biology of RNA cancer viruses (rats)
- ** RO1CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
- PO1CA-12174-04 0005 Growth and cell control processes - Defective interfering particles of poliomyelitis
- ** PO1CA-12174-04 0023 Growth and cell control processes - Metabolism in insect cells
- PO1CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)
- ** RO1CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- ** RO1CA-12229-05 Biochemistry of regulatory processes in synchronized cells (HeLa, rats)
- RO1CA-12411-04 Post-transcriptional control in eukaryotic cells (rats)
- ** RO1CA-12427-03 Amino acid control of RNA synthesis (bacteria)
- RO1CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
- ** RO1CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
- RO1CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
- RO1CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
- RO1CA-12686-02 Differentiation during progression to malignancy (rabbits)
- RO1CA-12693-03 Modification of x-ray induced damages in phage T4
- RO1CA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
- PO1CA-12923-02 0001 A correlated study on the biology of neoplasia - Factors that control cellular proliferation in mammalian cells (human, mice)
- PO1CA-12923-02 0002 A correlated study on the biology of neoplasia - Stimulation of DNA synthesis by SV-40 (mice)
- ** PO1CA-12923-02 0017 A correlated study on the biology of neoplasia - Pathogenesis of galactosamine-induced liver cell injury (rats)
- PO2CA-12924-03 0036 Tufts cancer research center - Pre-replicative temperature-sensitive mutants of SV40
- RO1CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
- PO2CA-13053-03 0088 Clinical cancer radiation therapy research center - Transcriptional mapping of gene activity along pre-condensed chromosomes
- PO1CA-13106-03 0003 Cold Spring Harbor laboratory cancer research center - Electron microscopy section
- ** RO1CA-13178-03 Oncogenic and hormonal control of RNA methylation (mice, rats)
- ** PO1CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
- PO1CA-13330-03 0046 Cancer research program - Replication of VSV in Friend virus-infected mouse cells
- ** RO1CA-13400-02 Macromolecular events in synchronized tumor cells
- RO1CA-13427-02 Hormonal mechanisms endometrial carcinoma (human, rabbits)
- PO2CA-13696-02 0004 Clinical cancer research center - Effects of viruses on hemopoietic cells (mice, human)
- RO1CA-13745-02 Regulation of prostatic growth by androgens (human, rats)
- RO1CA-13773-02 Erythropoiesis in acute myelogenous leukemia (rats)
- RO1CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01CA-13953-02 Control of myeloma tumor growth (mice)
- R01CA-14084-02 Role of carcinogen in nucleic acid metabolism (rats)
- P01CA-14097-02 0005 Cancer research program-Viruses; control mechanisms - Structure and replication of cytidial and RNA tumor viruses
- P01CA-14097-02 0012 Cancer research program-Viruses; control mechanisms - Tumor virus transformation-mRNA synthesis (mammals)
- R01CA-14100-02 The viral etiology of cancer (mice, rats)
- P01CA-14193-02 0002 Comparative leukemia studies unit - Tissue culture studies on the replication of BLV
- R01CA-14630-02 Turnover of ribosomal RNA in virus transformed cells
- ** P01CA-14733-02 0002 Control of gene expression, virus replication and cell growth - Double-stranded RNA in vaccinia-infected cells
- P01CA-14733-02 0006 Control of gene expression, virus replication and cell growth - Measurements of the secondary structure of RNA
- ** R01CA-14868-02 Messenger RNA biogenesis in virus transformed cells (rats)
- R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- ** R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
- ** R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
- P02CA-15145-01 0016 Cancer center support grant - Control of cell division (tissue culture)
- P02CA-15145-01 0028 Cancer center support grant - Molecular mechanisms of chemical carcinogenesis at nuclear level (rats)
- P02CA-15145-01 0042 Cancer center support grant - Regulation of growth in normal and neoplastic tissues (human, rats)
- R01CA-15615-01 Effects of hydrazines on RNA and polyamines (rats)
- ** R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
- ** P01CA-15655-01 0022 Cancer center support grant - Growth regulation and rRNA synthesis (sea urchins)
- ** P01CA-15655-01 0023 Cancer center support grant - rRNA metabolism during contact inhibition (sea urchins)
- P01CA-15823-01 0006 Program in developmental biology of cancer - Structure and replication of oncoviruses
- ** R01CA-15905-01 Ribosomal RNA synthesis in normal and cancer cells
- P01CA-15936-01 0001 Specialized Cancer Center - Preclinical chemotherapy (mammals, human)
- P01CA-15936-01 0002 Specialized Cancer Center - Potato phenylalanine ammonia-lyase antitumor activity (human, mice)
- ** R01CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)
- R01CA-16006-01 RNA and growth control in animal cells
- P01CA-16038-01 0010 Program on the molecular basis of viral transformation - Control of transcription and translation (bacteriophage)
- R01CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
- R01CA-16128-01 Interferon and the immune response in cancer patients
- R01CA-16181-01 Oncogenic DNA virus transcription in vitro
- R01CA-16225-01 RNA polymerase from chicken and human leukemic cells
- P01CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
- ** R01CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells)
- R01CA-16368-01 Control of differentiation of erythroleukemic cells (human, mice)
- R01CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
- R01CA-16959-09 Meagovirus replication in rat hepatoma cells
- R01CB-23873-02 Breast cancer (rats)
- ** R01DA-00017-10 Effects of morphine and analogues on cell metabolism (bacteria, mammals, squid)
- R01DA-00289-02 Mechanism of narcotic action tolerance and dependence
- R01DE-01382-14 Calcification mechanisms (mollusks, algae, chickens, echinoderms)
- R01DE-01523-13 Metabolic pathways in bone (mice)
- P01DE-01766-12 0008 Ultrastructure and physiology of oral mucosa - Control of growth and melanogenesis in cultured retinal pigment cells
- P01DE-02848-06 0001 Biology of connective tissue, bones and teeth - Cellular-molecular interactions in odontogenesis (rabbits, chick embryo, mice)
- P01DE-02848-06 0011 Biology of connective tissue, bones and teeth - Translational regulation during cranial facial development (rats)
- R01DE-03235-03 Cellular differentiation studies in salivary glands (rabbits, chickens)
- ** R01DE-03469-03 Teratogens on cleft palate formation (mice)
- R01ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
- R01ES-00634-03 Biochemistry of arsenate (plants)
- R01ES-00839-01 Nitrogen dioxide induced alterations in lung macrophage function
- R01FD-00645-05 Radiation damage-Metabolism in reproductive system (mice, rabbits)
- R01GM-05850-16 Gene action in nogenesis and embryonic development (toads)
- ** P01GM-06965-15 0015 Basic experimental biology - Ribosomal RNA synthesis (Chlamydomonas)
- R01GM-09541-13 Role of ribonucleic acid in protein synthesis
- ** R01GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
- ** R01GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)
- R01GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
- ** R01GM-10999-10 Mammalian messenger RNA and protein biosynthesis (mice)
- P01GM-11301-12 0002 Structure, function and biosynthesis of macromolecules - Control mechanism in synthesis of macromolecules (Blastocystis, phage)
- ** P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- R01GM-11726-11 Gene expression and content in cell differentiation (human, mice)
- ** R01GM-12323-10 0014 Biochemical genetics - Mitochondrial protein synthesis
- ** R01GM-12573-10 Mechanism of action of cytotoxic drugs
- ** R01GM-12934-10 Synthesis of infectious bacteriophage particles
- R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
- ** R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
- R01GM-13434-09 Transcription and translation in mammalian cells
- R01GM-13435-09 Evolution of genetic specificity
- R01GM-13626-09 Control of RNA synthesis
- ** P01GM-13882-09 0002 Cell transformations, division and motion - Cell differentiation (chick embryo, sea urchin, Blastocystis, Drosophila)
- P01GM-14546-08 0049 Influence of acute illness and injury on energy - Nutritional status in normal and injured patients
- P01GM-14552-08 0018 Normal and abnormal cell growth multidiscipline study - Mechanism of action of erythropoietin (mice, rats)
- ** R01GM-14598-08 0002 Continuity of cellular organelles - rRNA synthesis during chloroplast development (Euglena)
- R01GM-14652-08 Genetic control of protein synthesis in E coli
- ** R01GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)
- ** R01GM-15142-06 In vitro synthesis of RNA (T4 bacteriophage)
- ** R01GM-15156-07 Biochemical interrelations of nucleus and cytoplasm (protozoa, mammals)
- ** R01GM-15381-07 Regulation of RNA synthesis in E coli
- R01GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
- ** R01GM-15401-06 Relation of structure to function of transfer RNA (bacteria)
- P01GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
- P01GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- P11GM-15759-08 0025 Clinical pharmacology in rheumatic and muscular diseases - Effects of azathioprine and cyclophosphamide on cellular functions (human)
- R01GM-16059-06 Macromolecular aspects of synchronous cell division (bacteria)
- ** R01GM-16298-06 Molecular and genetic studies (Drosophila)
- R01GM-16317-06 Enzymology and control of amino acid activation (rats, rabbits)
- R01GM-16835-06 Ribosome function-Antibiotic action
- R01GM-17078-05 Genetic and chemical studies of phage lambda development
- R01GM-17239-05 Control of gene expression in mammalian cells (rats)
- R01GM-17712-04 Hormonal control of gene expression in animal cells (human, rats)
- ** R01GM-17995-03 Embryonic chromosomal proteins and their RNA templates (sea urchins)
- ** R01GM-18014-04 Regulation of gene expression in synchronized cells (protozoa)
- ** R01GM-18079-03 RNA synthesis during differentiation (Drosophila)
- P01GM-18153-04 0001 Gene control of mammalian cell differentiation - Gene transcription during erythroid cell differentiation (mice, human)
- R01GM-18185-07 Ribosome formation and ribosomal function (bacteriophage, E coli)
- R01GM-18633-07 Analysis of the genes involved in tRNA production (Salmonella typhimurium)
- ** R01GM-18673-03 RNA synthesis by Azotobacter vinelandii RNA polymerase
- ** R01GM-18764-03 Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats)
- R01GM-18963-03 Types of genetic mechanisms controlling melanogenesis (chickens)
- ** R01GM-19076-03 The transfer of genetic information (rabbits)
- P01GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycomycete (Blastocystis, emersonii)
- ** P01GM-19100-03 0023 Genetics research center - RNA and ribosome synthesis (HeLa cells, yeast)
- R01GM-19185-03 Genetics of ribosome synthesis and antibiotic resistance
- R01GM-19194-03 Regulation of gene replication and gene multiplicity (Drosophila)
- R01GM-19236-03 Translational control of spore development
- ** R01GM-19247-03 Biochemical basis for establishment of cell polarity (algae)
- R01GM-19302-03 Bacterial ribosome biosynthesis and RNA minor bases
- ** R01GM-19351-03 Biosynthesis of transfer ribonucleic acid (E coli)
- ** R01GM-19375-03 Control of enzyme activity in mammalian cells (hamsters, Escherichia coli)
- R01GM-19416-03 Genetic control of development (bacteria)
- ** R01GM-19422-03 Precursors, mutants, and function of tRNA (E coli)
- ** R01GM-19423-03 Characterization of tRNA maturation mutants (bacteria)
- R01GM-19511-03 Assembly of a membrane-bound multi-enzyme complex
- ** R01GM-19617-02 Genetics and physiology of developmental mutants (bacteria)
- R01GM-19670-02 Transcription and translation regulatory signals (E coli)
- ** R01GM-19693-01 Regulatory mechanisms in ribosome biosynthesis (bacteria)
- R01GM-19698-02 Degradative reactions in spore germination
- R01GM-19937-02 Genic/molecular basis of imaginal disc morphogenesis (Drosophila)
- R01GM-19963-02 Regulation of bacteriophage T4 gene expression (E coli)
- R01GM-20069-02 Genetic control of protein structure and synthesis (human, mammals)
- P01GM-20124-02 0006 Center for human genetics and inherited disease - Nuclear acidic proteins regulating genetic expression (mice, hamsters)
- ** R01GM-20147-02 Synthesis and regulation of eukaryotic ribosomal RNA (rats, anurans)
- R01GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
- ** R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
- R01GM-20312-02 Enzyme localization in microorganisms (E coli, bacteriophage lambda)
- ** R01GM-20418-01 Method for determining units of transcription
- R01GM-20427-02 Genetics and biochemistry of ribosome biosynthesis (E coli)
- ** R01GM-20483-01 Transcription of chromatin in vitro (rabbits)
- ** R01GM-20677-01 Total synthesis of ribonucleic acids
- ** R01GM-20693-01 Genetics and isolation of a eucaryotic control protein (yeast)
- ** R01GM-20728-01 Regulatory factors of sporulation in Bacillus subtilis
- R01GM-20755-01 Inhibitors of yeast RNA polymerases
- R01GM-20767-01 Messenger RNA and differentiation of animal cells (mice, sea urchins)
- R01GM-20770-01 Y chromosome structure and regulation in Drosophila
- ** R01GM-20784-01 Regulation of RNA synthesis (B. subtilis, phages)
- R01GM-20813-01 Role of DNA in DNA, RNA and protein synthesis (bacteria, viruses, HeLa cells)
- R01GM-21012-01 Mutations affecting RNA polymerases of mammalian cells (mice, human)
- ** R01GM-21024-01 Qbeta replicase and protein synthesis T-factor
- R01GM-21052-01 Mechanism and regulation of E. coli RNA polymerase
- ** R01GM-21204-01 Transcription of chloroplast DNA of C. reinhardtii
- ** R01GM-21352-01 RNA conformation and protein-RNA recognition
- ** R01GM-21376-01 Transcriptional restriction in embryonic development (shrimp)
- R01HD-00047-10 Control of cell differentiation in culture (chick embryo)
- R01HD-00375-18 Induction and development of liver enzymes
- ** R01HD-00827-11 Effect of RNA and DNA on cephalic terata (mice)
- ** R01HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)
- R01HD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)
- ** R01HD-01962-09 Constitutive heterochromatin and RNA synthesis (human, hamsters)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

PO1HD-02147-08 0002 Extruterine growth and development - Cellular division (mice)
 RO1HD-02506-08 Teratogen and gene interactions on mouse development
 PO1HD-03015-08 0003 Program for developmental biology - Genetic control of meiosis and sperm development (Drosophila)
 ** RO1HD-03521-06 TRNA and the differential control of RNA synthesis (bacteria)
 ** RO1HD-03753-06 Control of protein synthesis during embryogenesis (sea urchins)
 PO1HD-03803-06 0002 Control mechanism in reproduction and development - Estrogen control of transcription and translation (rats)
 PO1HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 RO1HD-04015-06 Regulation of gene expression in development (sea urchins, slime molds)
 RO1HD-04229-06 Cytoplasmic regulation in early cell differentiation (frogs)
 ** RO1HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
 ** RO1HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
 RO1HD-04569-04 Isolation and characterization of human ribosomal DNA (human)
 ** RO1HD-04899-04 Biochemical aspects of gene regulation (rats, bacteria)
 PO1HD-05342-04 0001 Mental retardation and brain development - Brain protein synthesis in hyperaminoacidemias (rats)
 RO1HD-05443-03 Circulatory and cellular studies in runted fetal sheep
 RO1HD-05505-03 Control of extracellular matrix synthesis (chick embryo)
 ** PO1HD-05671-03 0034 Center for population research - Specific and heterospecific transfer of hormone action by mRNA
 PO1HD-05797-04 0006 Population and reproductive biology - Steroid hormone receptor binding sites from target coil chromatin (chickens)
 ** PO1HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
 RO1HD-06246-02 Organogenesis during mammalian embryonic development (mammals)
 PO1HD-06323-03 0001 Cellular senescence and control of cell proliferation - Transcription in transformed and diploid cells (human, SV 40 virus)
 RO1HD-06447-02 Regulation of development of skeletal muscle (chick embryo)
 RO1HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, cattl)
 RO1HD-06478-03 In vitro studies of progestational steroids (human, mammals)
 RO1HD-06481-03 RNA and protein synthesis in the mammalian oviduct (rabbits, rodents)
 RO1HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
 RO1HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
 ** RO1HD-06574-04 Developmental regulation of macromolecular metabolism
 RO1HD-06642-03 Metabolism of the preovulatory follicle (rabbits)
 ** PO1HD-06645-03 0015 Center for population research - Hormone action on RNA synthesis in prostate and seminal vesicle
 R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
 RO1HD-06702-03 Morphogenetic properties in limb development (chick embryo)
 RO1HD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)
 ** RO1HD-06910-02 Synthesis, characterization, and fate of mouse ovum RNA
 RO1HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
 PO1HD-07110-02 0005 Biomedical center for population research - Androgen receptors in male accessory genital glands (mammals)
 RO1HD-07338-01 Aging and biosynthesis in non-dividing cells (mice)
 RO1HD-07390-01 Control of limb development and deformity
 PO1HD-07495-02 0006 Center for population research, studies in reproductive biology - RNA polymerase regulation in tissues for reproductive hormones (rats, chickens)
 PO1HD-07495-02 0007 Center for population research, studies in reproductive biology - Mechanism of progesterone regulation of a specific gene function (chickens)
 PO1HD-07495-02 0010 Center for population research, studies in reproductive biology - Sex-steroid induced differentiation of avian urogenital system (chickens)
 PO1HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)

PO1HD-07495-02 0026 Center for population research, studies in reproductive biology - Characterization and regulation of ovum-storus interaction (rats, mice)
 RO1HD-07625-01 Control of transcription in aging animals (mice)
 ** RO1HD-07659-02 Gene expression during oogenesis and embryogenesis (marine worms)
 RO1HD-07720-01 Organization of the amphibian egg (toads)
 RO1HD-07857-03 Sex hormone receptor components and the cell genome (chicks, human, guinea pigs)
 ** RO1HD-07923-02 0005 Steroid hormone metabolism - RNA metabolism (chickens)
 RO1HD-08185-01 Nucleo-cytoplasmic interactions during development and aging (human, rats)
 ** RO1HD-08192-02 Mechanism of action of estrogens (rats)
 RO1HD-08218-02 Sex hormones-Controlled Mullerian duct differentiation (chick embryo)
 RO1HD-08450-01 RNA polymerases during cellular differentiation (insects)
 RO1HD-08652-01 Histone mRNA and histone synthesis in development (sea urchins)
 RO1HD-08712-01 Mechanisms of postnatal enzyme development (rats)
 PO1HL-06285-14 0178 Cardiovascular-respiratory physiology and biochemistry - Biochemical regulation of hypertrophy (rats, rabbits)
 ** PO1HL-06285-14 0194 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport-RNA synthesis (rats, toads)
 ** RO1HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
 RO1HL-09562-09 Protein and RNA synthesis in cardiac stress (guinea pigs)
 RO1HL-09921-09 0004 Mechanisms of congestive heart failure - Relation of renal RNA synthesis to 'escape' from aldosterone action (rats)
 RO1HL-09921-09 0007 Mechanisms of congestive heart failure - Stimulation in kidney of RNA and protein synthesis by aldosterone
 ** RO1HL-09921-09 0012 Mechanisms of congestive heart failure - Aldosterone influence of RNA synthesis
 RO1HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
 ** RO1HL-14661-03 Biochemical mechanisms in cardiac hypertrophy (rats, dogs, rabbits)
 P17HL-15061-03 0003 Response of lung to injury - Postnatal growth and development of the mammalian lung (rats, dogs)
 RO1HL-15498-02 Effects of physical training on heart (rats)
 P18HL-16005-01 0013 Comprehensive sickle cell center of the University of Chicago - Normal and abnormal erythropoiesis in vitro (human, mice, rats)
 RO1HL-16198-01 Mechanism of fibrinogen synthesis (rabbits)
 RO1MH-18136-04 Molecular approaches to behavior (rats)
 ** RO1MH-21312-03 0024 Endocrinological determinants of behavior - Stimulation of RNA synthesis by estradiol benzoate in spayed guinea pigs
 R03MH-23426-01 Steroid hormones and RNA synthesis in neural culture (chick embryo)
 RO1MH-24244-01 Effects of psychotropic drugs on brain nuclear RNA (rats)
 PO1NS-07512-06 0027 Neuronal development, interaction and organization - Influence of thyroid hormones on CNS development (frogs)
 RO1NS-09131-04 Molecular processes in memory storage (mice)
 ** RO1NS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
 RO1NS-10111-03 In vitro DNA-directed synthesis of neuronal protein (chicks)
 RO1NS-10118-03 Biochemistry of CNS development of thyroid insufficiency (rats)
 RO1NS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
 ** RO1NS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
 RO1NS-11149-01 Regulatory physiology and biochemistry in nerve cells (Aplysia)
 ** RO1NS-11259-01 RNA transport in normal and regenerating nerves (fish)
 RO1NS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
 RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
 MO1RR-00037-14 0127 General clinical research center - Control of fetal hemoglobin synthesis

NUCLEOBASE DIMERS

RO1CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
 RO1CA-14005-02 The photoreactivating enzyme in repair of DNA (E coli)
 RO1GM-16603-06 Chemical studies on pancreatic deoxyribonuclease
 RO1GM-19010-03 DNA repair in Escherichia coli and Bacillus subtilis

NUCLEOBASES

SEE ALSO FLAVINS
 SEE ALSO IMIDAZOLES
 SEE ALSO PTERIDINES
 SEE ALSO PURINES
 SEE ALSO PYRIDINES
 SEE ALSO PYRIMIDINES
 RO1AI-08427-06 The physical structure of viruses
 RO1AM-09314-10 Enzymology of the oxidative metabolism of thymidine (Neurospora, rats)
 PO1CA-08748-09 5403 Research program of Sloan-Kettering Institute - Oncogenic effect and structure of purine N-oxides (rats)
 PO1CA-10893-06 0001 Cancer Research Center - RNA section (human, rats)
 ** RO1CA-11034-06 Relation of transfer RNA structure and function (rabbits, bacteria)
 RO1CA-12391-03 Molecular interactions of nucleic acids
 ** PO1CA-12708-03 0007 Studies of normal and malignant growth - Subcellular membrane vesicles system (tissue culture, animals, bacteria)
 RO1CA-13178-03 Oncogenic and hormonal control of RNA methylation (mice, rats)
 RO1CA-13370-03 ESR study on hydrocarbon radicals and carcinogenesis
 RO1CA-13437-02 Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals)
 RO1CA-14495-01 Base sites of antitumor antibiotic DNA binding by CD
 RO1CA-15696-01 Molecular pharmacology of the nitrosoureas (chemical models)
 RO1CA-16299-01 Mutagenic alterations in nucleic acid structure
 PO1ES-00597-04 0011 Food-borne environmental toxicants - Aminoacylation and methylation of tRNA in chemical carcinogenesis (rats)
 RO1EY-00786-03 Role of tRNA in control of protein synthesis in lens (cattle, rats, rabbits)
 RO1GM-08893-12 Chemical kinetics studied by relaxation spectrometry
 RO1GM-12589-10 Structure and reactions of nucleic acids (E coli)
 RO1GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
 RO1GM-14523-08 Nucleic acid interactions
 PO1GM-15422-07 0001 Program project in genetics - Cytogenetics (human, mice, reindeer)
 RO1GM-15792-08 0001 Structure and relations of proteins and nucleic acids - DNA-protein interactions (bacteria)
 RO1GM-15881-14 Enzymatic excision and repair mechanism
 RO1GM-16066-07 Nucleic acid chemistry and its biomedical application
 RO1GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
 RO1GM-16966-05 Crystal structure of compounds related to DNA
 PO1GM-18153-04 0005 Gene control of mammalian cell differentiation - Cytogenetic studies and gene function (human, mice, rats, monkeys)
 RO1GM-18533-04 Methods for the sequence analysis of DNA (bacteria, beans, mammals)
 ** RO1GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)
 RO1GM-19302-03 Bacterial ribosome biosynthesis and RNA minor bases
 RO1GM-19313-03 High resolution NMR study of the structure of t-RNA
 RO1GM-19984-02 0001 Structure and function of proteins at molecular level - Histones (cattle, peas)
 ** RO1GM-20032-03 Selected solid state spectral studies
 RO1GM-20080-02 Photooxidation in model biological systems
 ** RO1GM-20275-02 Phosphorescent triplet state of polynucleotides
 ** RO1GM-20326-01 Effects of 5-fluorouracil and 2-thioouracil on RNA (E coli, yeast)
 RO1GM-20610-01 Fluorescence of nucleic acids and bases at room temperature
 RO1GM-21148-01 Natural abundance 15N NMR studies for biochemistry
 RO1GM-21431-01 Structural studies of RNA (yeasts, E coli)
 RO1GM-21795-01 Magnetic resonance of heterocyclic triplet states
 PO1HD-05077-05 0012 Reproductive biochemistry and medicine - Receptor proteins binding estradiol and progesterone (sheep)
NUCLEOBASES ANALOGS
 SEE ALSO NUCLEOSIDES ANALOGS
 SEE ALSO NUCLEOTIDES ANALOGS
 SEE ALSO PTERIDINES ANALOGS
 SEE ALSO PURINES ANALOGS
 SEE ALSO PYRIMIDINES ANALOGS
 PO1CA-06927-12 0012 Biological and biochemical program in cancer research - Biochemical factors in drug resistance
 PO1CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- ** P01CA-14195-01 0014 Com grant-Regulation, the cell membrane and cancer - Chemical synthesis of P-32-labelled nucleotides
- R01GM-10791-12 Mechanism of biosynthesis of proteins (wheat, yeast, cattle, mice, E coli)
- R01GM-12395-10 Determination of transfer ribonucleic acid structure (yeasts)
- R01GM-20111-02 Role of transfer RNA in the control of cell division (rats)
- ** R01GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)
- ** R01GM-21405-01 Modified nucleotides in mammalian tRNA (cattle, human, wheat, E coli)

NUCLEOLUS

SEE CELL COMPONENTS, CELL NUCLEOLUS

NUCLEOTIDES

SEE ALSO NUCLEIC ACIDS, MRNA
SEE ALSO NUCLEOPROTEINS

- R01CA-15802-01 Crystalline complexes of RNA with small molecules (yeast)

NUCLEOPHILIC ADDITION

SEE CHEMICAL REACTIONS, ADDITION, NUCLEOPHILIC

NUCLEOPHILIC SUBSTITUTION

SEE CHEMICAL REACTIONS, SUBSTITUTION, NUCLEOPHILIC

NUCLEOPROTEINS

SEE ALSO NUCLEOPEPTIDES

- ** R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
- ** R01AI-09349-06 Physical chemistry of viruses and their components
- P01AM-03564-15 0025 Mesenchymal tissues and their diseases - Biosynthesis of glycoproteins
- ** R01AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- R01AM-09602-07 Amphibian metamorphosis and L-lysine metabolism (rats, calves, human)
- R01AM-12198-08 Nuclear antigens in systemic lupus erythematosus (human, rabbits)
- R01AM-15800-03 Metabolism of bone and bone cells (rats)
- P02CA-06516-12 0031 Cancer center support grant-Comprehensive - EM investigation of macromolecular components (mammals)
- ** P01CA-06927-12 0005 Biological and biochemical program in cancer research - Fumarate regulatory properties and giant nuclei proteins of Drosophila
- R01CA-08231-10 0004 Radiobiology research program - Radiosensitivity and chromosomal volume (mammals, amphibians, plants)
- P01CA-08748-09 6002 Research program of Sloan-Kettering Institute - Biochemical and cytochemical techniques in differentiation (rats, chick embryo)
- R01CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- P01CA-10893-06 0001 Cancer Research Center - RNA section (human, rats)
- ** R01CA-10893-06 0003 Cancer Research Center - Nuclear Protein Section (cattle, rats)
- R01CA-11224-06 0001 Neurooncogenesis by resorptive carcinogens - Interactions of N-nitrosoureas with cellular components (rats)
- R01CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
- ** R01CA-12226-04 Studies on protein methylation in neoplastic tissues (rats, frogs)
- R01CA-12600-04 Incorporation of BUdR into DNA and neoplastic growth (Drosophila)
- ** R01CA-12765-03 Role of nuclear proteins in the neoplastic process (mice, rats)
- P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
- R01CA-13400-02 Macromolecular events in synchronized tumor cells
- ** R01CA-14784-01 Carcinogen effects on nuclear proteins (rats)
- ** R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- ** R01CA-15062-01 Normal and cancerous prostate (human, rats)
- ** P02CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
- ** R01CA-15573-01 Physicochemical studies of viral nucleocapsid assembly
- R26CA-15637-01 A model system for studies of colon carcinogenesis (rats)
- ** P01CA-15823-01 0003 Program in developmental biology of cancer - Functional and nuclear differentiation (rats, rabbits)
- R01CA-16006-01 RNA and growth control in animal cells
- ** R01CP-33226-02 Laser light scattering studies on nucleic acids, nucleoproteins and viruses
- P01ES-00481-03 0001 Subcellular pathology of heavy metals - Intranuclear inclusion body (rats, goats)
- R01FD-00694-01 Chromosome damage-repair-Radiation and sonication (plants)
- ** R01GM-08968-13 Electron microscope studies of nucleic acid structures (flies, viruses)
- R01GM-11873-11 Fine structure of chromosomes (human)

- R01GM-12607-10 Protein structure and biological function (human, microorganisms, mice)
- R01GM-12805-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)
- R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
- R01GM-13864-09 Intracellular site of synthesis of specific enzymes (rats, HeLa cells)
- P01GM-13882-09 0002 Cell transformations, division and maturation - Cell differentiation (chick embryo, sea urchin, Blastocystella, Drosophila)
- R01GM-14621-08 Physico-chemical studies of nucleic acids (E coli, Drosophila)
- ** P01GM-15003-13 0013 The biological functions of metals - Intracellular enzyme inhibitors (human, E coli, plants)
- ** R01GM-15156-07 Biochemical interrelations of nucleus and cytoplasm (protozoa, mammals)
- R01GM-15886-08 Physiology and biochemistry of human chromosomes (Drosophila)
- ** R01GM-16539-06 Structure of nucleoprotein (microorganisms)
- ** R01GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
- ** R01GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
- R01GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
- ** P01GM-19100-03 0022 Genetics research center - Proteins associated with constitutively repressed genome sequences (mammals)
- R01GM-19334-02 Physical properties of isolated nuclei and chromosomes (rats, chickens)
- ** R01GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
- ** P01GM-20124-02 0006 Center for human genetics and inherited disease - Nuclear acidic proteins regulating genetic expression (mice, hamsters)
- R01GM-20147-02 Synthesis and regulation of eukaryotic ribosomal RNA (rats, anurans)
- R01GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
- ** R01GM-20596-02 Helix-coil transition in nucleoprotein
- ** P01HD-03803-06 0002 Control mechanism in reproduction and development - Estrogen control of transcription and translation (rats)
- ** R01HD-04420-05 Repressor proteins in E coli and eucaryotic cells
- ** R01HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
- ** P01HD-05796-03 0001 Aging in connective tissue, brain and auditory system - Organization of chromatin proteins and RNA (mice, dogs)
- ** P01HD-05797-04 0005 Population and reproductive biology - Estrogen induced changes in acidic protein-DNA complexes in chick oviduct
- P01HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
- ** R01HD-05803-04 Nuclear proteins in gametogenesis and embryogenesis (rats, mice, sea urchins)
- R01HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, catt)
- P01HD-07110-02 0004 Biomedical center for population research - Estrogen binding proteins (calves)
- R01HD-08192-02 Mechanism of action of estrogens (rats)
- ** R01HD-08270-01 Spermiogenesis-Analysis of nuclear protein (rodents, lagomorphs, monkeys, human)

NUCLEOPROTEINS,

DEOXYRIBONUCLEOPROTEINS

SEE ALSO NUCLEOPROTEINS, HISTONES

SEE ALSO NUCLEOPROTEINS, PROTAMINES

- R01CA-12067-04 Electron microscopic and cytochemical studies of DNA (human, rats)
- ** R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- R01GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
- R01GM-20535-01 Gene regulation during cell cycle by acidic nuclear prot (human)

NUCLEOPROTEINS, HISTONES

- R01AI-08998-06 Phage Phi X-174-Genetics and DNA chemistry (mammals, sea urchins, Drosophila)
- R01AM-01855-20 N-acyl, N-carbamyl amino acid metabolism (human, cattle)
- R01AM-04256-14 Energy transfer in biological systems (virus, rats, human)
- P01AM-07462-11 0051 Hormonal regulation of metabolism - Phosphorylation of histones and the acidic nuclear proteins in fat cells
- R01AM-09602-07 Amphibian metamorphosis and L-lysine metabolism (rats, calves, human)
- R01AM-12598-06 Hemoglobin synthesis during amphibian metamorphosis
- R01AM-15800-03 Metabolism of bone and bone cells (rats)
- R01AM-16702-02 Role of erythropoietin in transcriptional control (mice)
- P01AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)

- R01AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- P17AM-17026-01 0020 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of nuclear protein phosphorylation in isolated fat cells
- P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
- R01CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
- R01CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
- ** P02CA-06294-13 0010 Radiotherapy research - Radiation physics (human, mammals nonhuman)
- P02CA-06516-12 0029 Cancer center support grant-Comprehensive - Immunocytochemistry and human chromosome identification (Drosophila, human)
- P02CA-06516-12 0031 Cancer center support grant-Comprehensive - EM investigation of macromolecular components (mammals)
- R01CA-06654-12 Virus-induced neoplastic conversions
- P01CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
- P01CA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)
- R01CA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- R01CA-08231-10 0004 Radiobiology research program - Radiosensitivity and chromosomal volume (mammals, amphibians, plants)
- P01CA-08748-09 6002 Research program of Sloan-Kettering Institute - Biochemical and cytochemical techniques in differentiation (rats, chick embryo)
- R01CA-10619-06 Synchronized cells-Controls in growth and division (hamsters)
- ** P01CA-10815-06 0071 Consolidated basic cancer research program - Biochemical modification of histones during senescence (human)
- ** R01CA-10871-07 Structure and function of chromosomal nucleohistone (animals, bacteria)
- ** R01CA-10872-07 Histone interactions and conformation studies
- ** P01CA-10893-06 0003 Cancer Research Center - Nuclear Protein Section (cattle, rats)
- ** R01CA-11463-05 Regulation of histone biosynthesis in heteropolloid cells (HeLa cells)
- ** R01CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- P01CA-12174-04 0026 Growth and cell control processes - Control mechanisms concerned with chromosome replications (animals)
- R01CA-12191-05 Hormones and control mechanisms in cultured mammalian cells (rats)
- ** R01CA-12226-04 Studies on protein methylation in neoplastic tissues (rats, frogs)
- ** P01CA-12227-04 0004 Core program in carcinogenesis - HeLa S-3 cell histone messenger RNA
- P01CA-12227-04 0011 Core program in carcinogenesis - Methylation and acetylation of nuclear proteins (frogs)
- ** P01CA-12227-04 0019 Core program in carcinogenesis - Metabolism of nuclear proteins in dividing cells (human, mice)
- R01CA-12686-02 Differentiation during progression to malignancy (rabbits)
- ** R01CA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
- ** R01CA-12897-03 The histones of normal and leukemic leukocytes (human)
- ** R01CA-12933-03 Histone metabolism in neoplastic tissues (mice, rats)
- R01CA-13155-03 Early and critical events in chemical carcinogenesis (mice, rats)
- R01CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
- R01CA-13190-02 Human tumor-Specific immunity
- ** R01CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)
- ** R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)
- ** R01CA-13408-03 Carcinogenesis and histone methylation (rats)
- R01CA-14019-02 Antiangiogenesis-New method of therapy of solid tumors
- ** R01CA-14428-02 Histones in disorders of erythropoiesis (human)
- R01CA-14784-01 Carcinogen effects on nuclear proteins (rats)
- P01CA-14801-02 0008 Chemotherapy and regulation of oncogenic viruses - Chromosomal protein-Changes associated with oncovirus infection
- ** R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- R01CA-15062-01 Normal and cancerous prostate (human, rats)
- ** R01CA-15135-01 Histones in cell differentiation and carcinogenesis (mice, rats, human)
- P02CA-15145-01 0028 Cancer center support grant - Molecular mechanisms of chemical carcinogenesis at nuclear level (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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** R01CA-15484-02 Histone control of nuclear DNA polymerase activity (rats)
 R01CA-15683-01 Phosphoproteins and phosphorylating enzymes in neoplasia (human, cell lines)
 R01CA-15687-01 CAMP analogs as growth regulators in hepatoma cells
 ** N01CP-43270-00 Non-histone DNA binding proteins (rats)
 P01DE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)
 ** P10ES-00210-07 0018 Center for environmental management - Histone IV binding
 R01GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
 R01GM-04738-18 Submicroscopic organization of chromosomes (animals, fungi)
 ** R01GM-09654-13 Histone metabolism (liverwort, insects)
 R01GM-10499-12 Chromosome structure in relation to gene action (amphibians, plants, insects)
 P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
 R01GM-12121-10 Structure and function of proteins (bacteria, tuna, plants)
 ** R01GM-12805-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)
 R01GM-13762-09 Molecular basis of genetic control (rat, Drosophila, mold, sea urchin, toad)
 P01GM-13882-09 0001 Cell transformations, division and motion - Proteins of cell structure (sea urchins, human)
 M R01GM-13914-09 Macromolecules of circulatory and genetic importance
 ** R01GM-13914-09 0004 Macromolecules of circulatory and genetic importance - Nucleo-histones
 R01GM-14582-08 Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters)
 R01GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
 R01GM-17533-13 Protein and nucleic acid model studies (Ecoli)
 P01GM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
 ** R01GM-17995-03 Embryonic chromosomal proteins and their RNA templates (sea urchins)
 ** R01GM-18456-04 Biophysical studies of nucleohistones (cattle)
 ** R01GM-18747-03 Energy transfer and reaction in DNA-histone complexes
 R01GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
 ** R01GM-19074-03 Histone acetyltransferase from liver chromatin (rats)
 R01GM-19334-02 Physical properties of isolated nuclei and chromosomes (rats, chickens)
 R01GM-19378-02 Regulation of the production of mammalian ribosomes (mouse L-cells)
 M R01GM-19984-02 Structure and function of proteins at molecular level
 ** R01GM-19984-02 0001 Structure and function of proteins at molecular level - Histones (cattle, peas)
 R01GM-20069-02 Genetic control of protein structure and synthesis (human, mammals)
 R01GM-20195-17 Interactions of nucleotide and proteins
 ** R01GM-20338-07 Histone biochemistry and the influence of hormones (rats)
 R01GM-20483-01 Transcription of chromatin in vitro (rabbits)
 R01GM-20491-01 Structure of human mitotic and meiotic chromosomes (human, insects)
 R01GM-20851-01 Electron microscopy of DNA of cells and viruses
 R01GM-20922-01 Cytochemistry and structure of chromosomes (hamsters, flies)
 R01HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, viru hormones (rats, cattle, human)
 P01HD-03015-08 0003 Program for developmental biology - Genetic control of meiosis and sperm development (Drosophila)
 R01HD-03753-06 Control of protein synthesis during embryogenesis (sea urchins)
 R01HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
 R01HD-05093-12 Ion transport during development of Rana pipiens eggs
 ** R01HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
 R01HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
 ** P01HD-05796-03 0001 Aging in connective tissue, brain and auditory system - Organization of chromatin proteins and RNA (mice, dogs)
 ** P01HD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
 R01HD-05803-04 Nuclear proteins in gametogenesis and embryogenesis (rats, mice, sea urchins)
 ** P01HD-05874-04 0005 Biochemical regulation of aging processes - Histone metabolism during aging (rats)

R01HD-06282-03 Macromolecular interactions during nuclear differentiation (animals)
 P01HD-06323-03 0003 Cellular senescence and control of cell proliferation - Protein function and its modification by hormones and growth factors (human)
 R01HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, catt)
 ** P01HD-06645-03 0033 Center for population research - Cell cycle of preimplantation embryos (mice, rabbits)
 ** R01HD-06683-01 Role of chromatin embryonic determination (sea urchin)
 ** R01HD-08350-01 Age-related changes in chromatin proteins (rats)
 ** R01HD-08652-01 Histone mRNA and histone synthesis in development (sea urchins)
 P01HL-06308-14 0023 Mechanisms and therapy of circulatory disease - Polypeptides and heart mitochondrial structure and function (rats)
 R01HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)
 ** P01HL-08195-12 0011 Circulatory physiology - Effect of hormones on the phosphorylation of nuclear histones (human, rats)
 R23HL-17224-01 Mechanism of cortisol action on lung cells in vitro (human)
 R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
 ** R01NS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)
 R01NS-10270-01 Molecular pharmacological correlates of behavior (fish)

NUCLEOPROTEINS, NON-HISTONE (GENERAL)

R01AM-08154-10 0002 Genetic control of hemoglobin synthesis - Genetic control of hemoglobin synthesis (hamsters)
 R01AM-13929-04 Normal and psoriatic epidermal cell division (human, rats)
 R01AM-16702-02 Role of erythropoietin in transcriptional control (mice)
 R01CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
 ** R01CA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
 R01CA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
 R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
 R01CA-15062-01 Normal and cancerous prostate (human, rats)
 P01CA-15823-01 0003 Program in developmental biology of cancer - Functional and nuclear differentiation (rats, rabbits)
 ** R01CA-15923-01 Nonhistone proteins of reactivated erythrocyte nuclei (chick, HeLa cells)
 ** R01CA-16274-01 Non-histone chromosomal proteins and hepatoma growth (rats)
 ** N01CB-23857-02 Protein nucleic acid interactions (mice)
 ** N01CP-23268-01 New methods for isolating non-histone proteins (rats)
 R01GM-10499-12 Chromosome structure in relation to gene action (amphibians, plants, insects)
 P01GM-13882-09 0001 Cell transformations, division and motion - Proteins of cell structure (sea urchins, human)
 ** R01GM-15886-08 Physiology and biochemistry of human chromosomes (Drosophila)
 R01GM-18966-03 Mapping marker chromosomes with quinacrine mustard (human)
 R01GM-20535-01 Gene regulation during cell cycle by acidic nuclear prot (human)
 ** R01GM-20779-01 Nonhistone chromosomal proteins (Drosophila)
 R01GM-20922-01 Cytochemistry and structure of chromosomes (hamsters, flies)
 P01GM-20927-01 0010 Sequence structure of eukaryotic genome - Repetitive sequences and chromosomal proteins (Drosophila)
 R01GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, Drosophila)
 R01HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
 R01HD-04899-04 Biochemical aspects of gene regulation (rats, bacteria)
 R01HD-05803-04 Nuclear proteins in gametogenesis and embryogenesis (rats, mice, sea urchins)
 ** R01NS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)

NUCLEOPROTEINS, PROTAMINES
 P01AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)
 ** R26CA-15315-02 0003 Control of bladder cancer - Prevention of bladder cancer by promotion inhibitors (rats)
 P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
 R01GM-19807-02 0014 Membrane permeability as a regulatory element - Kinetics and basics of mitochondrial conditioning (plants)

P01GM-21797-01 0002 The traumatized patient - Hematologic and rheologic changes (human, rats, dogs)
 R01HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
 R01HD-08270-01 Spermiogenesis - Analysis of nuclear protein (rodents, lagomorphs, monkeys, human)
 ** R01HL-04801-14 Cardiac conduction and cardiac contraction (dogs)
 ** R01HL-07564-13 Experimental shock (rats)

NUCLEOPROTEINS, RIBONUCLEOPROTEINS
 R01AI-06814-09 Electron microscopy of virus-host interactivity
 P01AI-12225-01 0003 Immunopathology and clinical immunology - Clinical significance of antibodies to nuclear antigens (human)
 ** R01AM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
 R01AM-12769-09 Study of nephrectomy at birth and during growth (rats)
 R01AM-13238-06 Protein synthesis in muscle (chick embryos)
 ** P01CA-06927-12 0017 Biological and biochemical program in cancer research - Growth and differentiation of plant systems
 ** P01CA-06927-12 0021 Biological and biochemical program in cancer research - Cytodifferentiation (sea urchins)
 ** P01CA-08748-09 5708 Research program of Sloan-Kettering Institute - Unfolding of ribosomal subunits
 ** P01CA-08748-09 5737 Research program of Sloan-Kettering Institute - Ribonucleoproteins of the liver cell nucleus (human)
 ** P01CA-08748-09 6703 Research program of Sloan-Kettering Institute - RNA protein synthesis in influenza virus-infected canine kidney cells
 ** P01CA-10893-06 0008 Cancer Research Center - Synthesis and maturation of ribosome precursors (rats)
 ** R01CA-10933-06 Processing of ribosomal RNA in human cancer (HeLa cells)
 P01CA-12174-04 0026 Growth and cell control processes - Control mechanisms concerned with chromosome replications (animals)
 ** R01CA-12301-03 Ribonucleoprotein particles of the cell nucleus (rats)
 ** R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
 P01CA-12706-03 0010 Studies of normal and malignant growth - Chromatin structure in eukaryotic cells (human)
 ** R01CA-13596-03 Directed protein synthesis in mammalian cells (rabbits, mice, HeLa cells)
 ** P01CA-14599-01 0013 University of Chicago Cancer Research Center - Ribonucleoprotein complexes in cell nuclei (mice)
 P01DE-02848-06 0010 Biology of connective tissue, bones and teeth - Genetic regulation during salivary gland development (rabbits, mice)
 P01DE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)
 R01GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
 R01GM-12805-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)
 R01GM-17924-04 Ribosome structure and function (E coli)
 R01GM-17973-04 Role of nucleic acids in cell differentiation (mice, rats, rabbits, E coli)
 R01GM-19302-03 Bacterial ribosome biosynthesis and RNA minor bases
 R01GM-21080-01 Defective protein synthesis by modified ribosomes (bacteria)
 R01HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)

NUCLEOSIDE 2',3'-CYCLIC-PHOSPHATE 3'-NUCLEOTIDOHYDROLASE
 SEE NUCLEASES, 2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

NUCLEOSIDE DIPHOSPHATASE
 SEE PHOSPHATASES, NUCLEOSIDE DIPHOSPHATASE

NUCLEOSIDE DIPHOSPHATE KINASE
 SEE PHOSPHOTRANSFERASES, ATP-NUCLEOSIDEDIPHOSPHATE PHOSPHOTRANSFERASE

NUCLEOSIDE DIPHOSPHATE POLYNUCLEOTIDE NUCLEOTIDYLTRANSFERASE
 SEE NUCLEOTIDYLTRANSFERASES, POLYNUCLEOTIDE NUCLEOTIDYLTRANSFERASE

NUCLEOSIDE DIPHOSPHATES
 SEE NUCLEOTIDES, NUCLEOSIDE DIPHOSPHATES

NUCLEOSIDE MONOPHOSPHATES
 SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES

NUCLEOSIDE MONOPHOSPHATES CYCLIC
 SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

NUCLEOSIDE PHOSPHATES PHOSPHOTRANSFERASES
 SEE PHOSPHOTRANSFERASES, NUCLEOSIDE PHOSPHATES PHOSPHOTRANSFERASES

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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NUCLEOSIDE SULFATES

SEE NUCLEOSIDES(TIDES) SULFATES

NUCLEOSIDE TRIPHOSPHATE DNA

NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA
NUCLEOTIDYLTRANSFERASES

NUCLEOSIDE TRIPHOSPHATE RNA

NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA
NUCLEOTIDYLTRANSFERASES

NUCLEOSIDE TRIPHOSPHATES

SEE NUCLEOTIDES, NUCLEOSIDE TRIPHOSPHATES

NUCLEOSIDES

SEE ALSO NUCLEOSIDYL AMINO ACIDS, S-NUCLEOSIDYL AMINO ACIDS (GENERAL)

SEE ALSO PURINE NUCLEOSIDES

SEE ALSO PYRIDINE NUCLEOSIDES

SEE ALSO PYRIMIDINE NUCLEOSIDES

- R01AM-01549-18 Action of B vitamins in enzymic catalysis
 - R01AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
 - ** P01CA-08748-09 6406 Research program of Sloan-Kettering Institute - Rotational isomerism of certain nucleosides
 - R01CA-12205-03 Preparation and properties of showdomycin analogs
 - P01CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
 - ** P01CA-12708-03 0007 Studies of normal and malignant growth - Subcellular membrane vesicles system (tissue culture, animals, bacteria)
 - R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
 - R01CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)
 - ** R01CA-13118-03 Preparation of L-3-amino-nucleosides and nucleotides
 - R01CA-13120-03 Maleimide derivatives as cancer chemotherapeutics
 - R01CA-13422-02 Biochemical studies of rat hepatoma cells in culture
 - ** R01CA-13858-02 Polynucleotide termination by modified nucleosides (human, bacteria)
 - R01CA-13862-02 Genetic studies on cancer control (mice)
 - ** P01CA-14089-01 0003 Pilot multidisciplinary cancer research program - Transport of nucleosides in mammalian cells
 - R01CA-14169-03 RNA synthetic patterns as a biochemical test in leukemia (human)
 - ** R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
 - ** R01CA-14252-02 Synthesis of c-nucleosides related to showdomycin
 - R01CA-14511-02 Photosynthesis of antiviral and antitumor drugs
 - R01CA-14780-02 Transport by membrane vesicles of cultured tumor cells
 - R01CA-14980-01 Polycyclic carcinogen-nucleic acid interactions
 - R01CA-14987-01 Mechanism of cortisol-induced lymphoma regression
 - R01CA-15029-01 Synthesis of septacidin analogs as antitumor drugs
 - R01CA-15898-01 Cytotoxic agents affecting cell membrane biogenesis
 - M01CM-33742-02 Synthesis of potential anti-cancer agents
 - M01CM-43762-00 Synthesis of potential anticancer agents
 - ** M01CM-43806-00 Synthesis of nucleosides and related derivatives for cancer chemotherapy
 - M01CP-43366-00 Analysis of cell proliferation in familial polyposis
 - P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary cells (human)
 - R01ES-01009-02 Mechanism of azide mutagenesis (bacteria, yeast)
 - R01GM-11293-11 Crystal structural studies in carbohydrate chemistry
 - ** R01GM-12862-10 Effects of structure on biological mechanisms
 - R01GM-19336-03 X-ray studies on biologically important molecules (fungi, plants)
 - P01HD-06645-03 0034 Center for population research - Endometrial determinants in nidation (rats, guinea pigs, human)
 - R01HL-16490-01 Structural basis of nephron filtration (rats, rabbits)
 - ** M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)
 - ** M01RR-00262-09 0043 General clinical research center - Urinary nucleosides in surgical patients
 - P07RR-00574-03 Regional research facility in NMR
- NUCLEOSIDES, ARABINONUCLEOSIDES**
SEE ALSO PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES, ADENINE ARABINOSIDE
SEE ALSO PYRIMIDINE NUCLEOSIDES, CYTOSINE NUCLEOSIDES, CYTOSINE ARABINOSIDE

- ** R01AI-11636-01 Normal and virus-infected animal cells
 - R01CA-06913-10 Anabolic control in normal and neoplastic tissues (cattle, bacteria)
 - R01CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
 - R01CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
 - P01CA-13038-03 0036 Experimental therapeutics and cancer drug program - Degree of similarity between chemotherapeutic agents
 - R01CA-15857-01 Clinical chemotherapy and pharmacology
- NUCLEOSIDES, DEOXYRIBONUCLEOSIDES**
SEE ALSO PYRIMIDINE NUCLEOSIDES, PYRIMIDINE DEOXYRIBOSIDES
- ** R01CA-16890-01 Chemotherapeutic deoxyribonucleosides
- NUCLEOSIDES, RIBONUCLEOSIDES**
SEE ALSO FLAVIN NUCLEOSIDES, RIBOFLAVIN
SEE ALSO PURINE NUCLEOSIDES, PURINE RIBOSIDES
- R01AM-17415-01 Regulation of supply of utilizable purines by liver (rabbits, rats E coli K12)
 - R01CA-03287-16 Chemotherapy of experimental mouse tumors
 - R01CA-12907-03 NAD regulation of neoplastic growth (rats)
 - R01CA-16156-01 Metals and antitumor activity of thiosemicarbazones
 - ** R01GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- NUCLEOSIDES ANALOGS**
SEE ALSO FLAVIN NUCLEOSIDES, RIBOFLAVIN ANALOGS
SEE ALSO HALOPYRIMIDINE NUCLEOSIDES
SEE ALSO NUCLEOBASES ANALOGS
SEE ALSO NUCLEOSIDES INHIBITORS
SEE ALSO THIOPURINE NUCLEOSIDES
- M R01AI-12066-01 Nucleoside analogs-Biosynthesis and role in the cell
 - ** R01AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
 - ** R01AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
 - R01AM-17415-01 Regulation of supply of utilizable purines by liver (rabbits, rats E coli K12)
 - ** R01CA-02373-19 Nucleoside and nucleotide derivatives
 - R01CA-04175-16 Cell culture studies on drugs and antimetabolites
 - P02CA-06516-12 0014 Cancer center support grant- Comprehensive - Bio organic synthesis (human, rodent)
 - R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
 - R01CA-08416-09 Control of transcription and translation in mammalian cells
 - ** P01CA-08748-09 6405 Research program of Sloan-Kettering Institute - Synthesis of carbon-carbon linked nucleosides
 - R01CA-11147-06 Thiazolo- and oxazolo 5, 4-d pyrimidine nucleosides
 - P02CA-12247-03 0034 Pediatric oncology center - Cytosine arabinoside and adenine arabinoside methodology (human)
 - R01CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
 - ** R01CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
 - ** R01CA-12960-02 Synthesis and chemotherapy of nucleic acid analogs
 - R01CA-13858-02 Polynucleotide termination by modified nucleosides (human, bacteria)
 - P01CA-14089-01 0003 Pilot multidisciplinary cancer research program - Transport of nucleosides in mammalian cells
 - ** P01CA-14195-01 0019 Core grant-Regulation, the cell membrane and cancer - Synthesis and chemotherapy of nucleic acid analogs
 - ** P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
 - ** R01CA-15029-01 Synthesis of septacidin analogs as antitumor drugs
 - R01CA-15577-01 Tumor cell inhibition by nucleotide aldehyde analogs (LIZIO)
 - ** R01CA-15675-01 Design and evaluation of antitumor nucleoside analogs
 - R01CA-16936-01 Relationship between tRNA modification and cell growth (E coli, rats)
 - M01CM-23710-03 Synthesis of potential antiviral-anticancer purine nucleosides
 - P01GM-13901-08 0002 Analytical biochemistry for human studies - Mass spectrometry of nucleic acids
 - R01GM-16066-07 Nucleic acid chemistry and its biomedical application
 - M01RR-00262-09 0009 General clinical research center - Urinary pseudouridine, N6-puriny carbamoyl threonine in tRNA turnover (human)
 - ** M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)
 - ** M01RR-00262-09 0016 General clinical research center - Blood preservation in liquid state (human)

- M01RR-00262-09 0046 General clinical research center - N6-benzyladenosine in chemotherapy (human)
 - ** S06RR-08111-02 Nucleoside analogs with antitumor activity (university)
- NUCLEOSIDES INHIBITORS**
SEE ALSO NUCLEOSIDES ANALOGS
- R01AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
 - ** R01AM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
- NUCLEOSIDES (TIDES) SEQUENCE**
SEE NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE
- NUCLEOSIDES(TIDES) SULFATES**
- R01AI-12070-01 Autointerference in virus infections and malignancy
 - R01HD-06477-03 Effect of thyroxine on tRNA metabolism of the brain (rats)
- NUCLEOSIDYL AMINO ACIDS, S-ADENOSYLMETHIONINE**
- R01AI-11636-01 Normal and virus-infected animal cells
 - R01AM-09602-07 Amphibian metamorphosis and L-lysine metabolism (rats, calves, human)
 - R01AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
 - ** R01AM-14133-05 Regulation of the metabolism of S-adenosylmethionine (microorganisms)
 - P01CA-10748-07 0008 Cancer chemotherapy program - Enzyme-catalyzed and non-enzymic methylation reactions
 - ** R01CA-13776-02 S-adenosylmethionine analogs as antitumor agents (mice, rats)
 - R01CA-15362-01 Polyamine metabolism in mammary cancer (rats)
 - R01GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
 - R01GM-19051-03 Gene restriction and recombination (bacteria)
 - R01HD-06387-03 Polyamine metabolism in reproductive physiology (rats)
 - R01MH-18038-05 Mechanistic study of biological transmethylation
 - ** M01MH-30008-00 Synthesis and assay of S-adenosylmethionine analogues
 - ** R01NS-06294-07 Cerebral enzymes in normal and convulsive states (rats, rabbits)
 - R01NS-09471-02 Folic acid deficiency and brain development (mice, rats)
 - ** R01NS-10198-02 Structural analogs of S-adenosylmethionine
 - R01NS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
 - P07RR-00273-09 0001 Mass spectrometric facility for biomedical research - Core research in secondary metabolism (penicillium brevicompactum)
- NUCLEOSIDYL AMINO ACIDS, S-NUCLEOSIDYL AMINO ACIDS (GENERAL)**
- ** R01AM-14133-05 Regulation of the metabolism of S-adenosylmethionine (microorganisms)
- 5'-NUCLEOTIDASE**
SEE PHOSPHOMONESTERASES, 5'-NUCLEOTIDASE
- NUCLEOTIDASES**
SEE ALSO PHOSPHATASES
- R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
 - ** R01CA-11655-07 Studies on leukocyte metabolism (mice)
 - R01CA-12503-04 Neoplastic growth and cell cycle control (mice)
 - R01CA-13449-02 Antitumor components from animal venoms (mice)
 - M01DE-32417-01 Localization of certain hydrolytic enzymes in periodontal ligament (rats)
 - R01EY-00013-08 Experimental optic neuropathies (rats)
 - R01HD-04702-04 Membrane changes during oogenesis and fertilization (chick embryo, mice)
 - R01HD-05572-03 Renal functional correlates of normal pregnancy (rats)
 - R01NS-09003-05 Structure, function, and assembly of nerve membranes (rats)
 - ** R01NS-09639-04 Enzyme systems in the brain (cattle, human)
 - R01NS-10326-02 Cytochemical investigations of adrenergic neurons (monkeys, rats)
- NUCLEOTIDE SULFATES**
SEE NUCLEOSIDES(TIDES) SULFATES
- NUCLEOTIDES**
SEE ALSO AMINO ACYL NUCLEOTIDES
SEE ALSO IMIDAZOLE NUCLEOTIDES
SEE ALSO NUCLEIC ACIDS
SEE ALSO NUCLEOSIDES(TIDES) SULFATES
SEE ALSO PURINE NUCLEOTIDES
SEE ALSO PYRIDINE NUCLEOTIDES
SEE ALSO PYRIMIDINE NUCLEOTIDES
SEE ALSO SUGAR NUCLEOTIDES
SEE ALSO VITAMIN B12 COENZYMES

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

R01AA-00272-04 Platelet utilization and metabolism in alcoholism (human)
 R01AM-01549-18 Action of B vitamins in enzymic catalysis
 ** P01AM-07462-11 0064 Hormonal regulation of metabolism - Cyclic nucleotida phospho-diesterase activity in pig coronary arteries
 ** P01AM-07462-11 0066 Hormonal regulation of metabolism - Vasoactive agents and cyclic nucleotide levels in pig coronary arteries
 ** R01AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
 R01AM-14882-04 Chemical pathology of lesions produced by ethionine (rats, guinea pigs)
 ** R01AM-15509-03 Mechanism of action of ACTH and insulin (rats)
 P17AM-17026-01 0003 Vanderbilt University Diabetes-Endocrinology Center - Hemokinase structure and mechanism of action
 ** P17AM-17026-01 0014 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic nucleotides in vascular tissue (human)
 R01AM-17559-01 Molecular mechanism of muscle contraction
 P02CA-06973-12 0030 Integrated clinical cancer research program - Pharmacology (rats)
 P01CA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)
 R01CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
 ** R01CA-08290-09 Chemotherapeutic deoxynucleosides and other agents
 P02CA-08341-09 0043 Clinical pharmacology and cancer chemotherapy - Thiopurine resistance
 R01CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
 R01CA-12391-03 Molecular interactions of nucleic acids
 R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
 ** P01CA-13038-03 0080 Experimental therapeutics and cancer drug program - Deoxynucleotide polymerizing enzymes from human cells
 R01CA-13041-02 Lymphocyte metabolism in cancer patients
 ** R01CA-13118-03 Preparation of L-3-amino-nucleosides and nucleotides
 R01CA-13120-03 Maleimide derivatives as cancer chemotherapeutics
 R01CA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
 ** P02CA-13943-02 0014 Clinical pharmacology immunology cancer research center - Nucleotide patterns in animal tumor cells and human leukemic cells
 ** P02CA-13943-02 0057 Clinical pharmacology immunology cancer research center - Nucleotide patterns in animal cells and human leukemic cells
 ** R01CA-14322-02 Anticancer action and mechanism of nucleotide analogs
 R01CA-14448-02 DNA tumor viruses-Enzymology of polyoma DNA metabolism
 R01CA-14980-01 Polycyclic carcinogen-nucleic acid interactions
 R01CA-15155-01 Cyclic AMP-Role in adrenal tumor steroidogenesis (rats)
 N01CM-33742-02 Synthesis of potential anti-cancer agents
 N01CP-43366-00 Analysis of cell proliferation in familial polyposis
 P01DE-02111-10 0003 Synthetic and natural dental materials - Crystallography of biomaterials
 R01ES-01009-02 Mechanism of azide mutagenesis (bacteria, yeast)
 ** R01EY-00847-03 Cyclic nucleotides in visual transduction (crayfish)
 R01GM-09042-13 Structural basis of ribonucleic acid specificity (mammals, bacteria)
 R01GM-10025-12 X-ray analysis of protein structure and function (bacteria)
 R01GM-11293-11 Crystal structural studies in carbohydrate chemistry
 ** R01GM-13626-09 Control of RNA synthesis
 R01GM-16811-05 Role of cyclic GMP and cyclic AMP (animals)
 ** R01GM-17956-03 Cyclic nucleotide phosphodiesterase (swine, cattle)
 R01GM-19221-02 Electrophoresis in biomedical system (cattle)
 R01GM-19363-10 Studies of cellular regulatory mechanisms (Drosophila)
 R01GM-19674-01 Control of enzyme synthesis and regulation (bacteria)
 R01GM-19807-02 0014 Membrane permeability as a regulatory element - Kinetics and basics of mitochondrial conditioning (plants)
 ** R01GM-20002-01 Synthesis of beta-glycosyl nucleotides
 R01GM-20155-01 Thermodynamic studies of nucleotide synthesis
 ** R01HD-06362-03 Nucleotide metabolism in the decidual uterus (mice)
 R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
 R01HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)

P01HL-06374-14 0005 Expansion of research in a hematologic center - Hemoglobin synthesis in differentiating erythroid cells (human)
 R01HL-09906-09 Membrane transport processes in red blood cells (human, dogs, sheep)
 R01HL-11047-08 Platelet preservation and physiology (human)
 P01HL-11306-08 0106 Cardiovascular research program - Biochemistry of excitation-contraction coupling
 R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
 R01HL-13088-05 Surgical aspects of myocardial hypertrophy (dogs)
 ** R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
 P17HL-14217-04 0033 Specialized center of research in thrombosis - Distribution of metal ions in platelets (human)
 ** R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
 ** R01HL-15447-02 Vascular role of prostaglandin and cyclic nucleotides (rats)
 P01HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
 P01HL-15835-01 0011 Pennsylvania Muscle Institute - Energetics and mechanism of muscle contraction (frogs, rabbits)
 P01HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
 R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
 R01NS-09471-02 Folic acid deficiency and brain development (mice, rats)
 P01NS-10175-03 0018 Neuromuscular disease research center - Theophylline on normal and denervated muscle (rats)
 R01NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
 ** M01RR-00088-11 0037 General clinical research center - Absorption of nucleotides and purine bases (human)
 P07RR-00574-03 Regional research facility in NMR
 M01RR-00645-03 0029 Clinical research center - Clinical applications of antibodies to artificial antigens (human, sheep, dogs)
NUCLEOTIDES, DEOXYRIBONUCLEOSIDE MONOPHOSPHATES CYCLIC
 P01CA-16228-01 0001 Cell membrane in proliferation and oncogenesis - Membrane in transformation (mammals)
 ** P01CA-16228-01 0003 Cell membrane in proliferation and oncogenesis - Membrane events and cell function (hamsters, human)
 P01CA-16228-01 0005 Cell membrane in proliferation and oncogenesis - Antigen binding and triggering on lymphocyte membranes (human, mice)
 R01GM-13017-09 The chromosomal sites regulating operon expression (E coli)
 R01HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
 R01HL-11880-06 Total body irradiation and transplantation (human)
 R01HL-13629-05 Hemorrhagic diseases (human, rats, dogs)
 R01NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
 ** R01NS-10968-01 The role of cyclic GMP in nervous tissue (animals)
 R01NS-11295-01 Mechanisms of interneuronal communications in culture (rats)
 R01NS-11354-01 Neuro-glia interaction in vitro cholinergic systems (rats)
NUCLEOTIDES, DEOXYRIBONUCLEOSIDE TRIPHOSPHATES
 R01AM-10332-09 Metabolism of pyrimidine nucleotides in skin (mice)
 R01CA-14670-02 Host functions related to tumor virus infection
NUCLEOTIDES, DEOXYRIBONUCLEOTIDES
 SEE ALSO PYRIMIDINE NUCLEOSIDES, PYRIMIDINE DEOXYRIBOSIDES
 ** R01AL-08133-17 Phage infection-Deoxyribonucleotide and DNA biosynthesis
 R01AL-08230-07 Enzymology of normal and virus infected bacteria
 ** R01CA-04464-16 Biosynthesis and role of deoxynucleotides (hamster, rats, human, E coli)
 R01CA-08395-09 Control factors for DNA synthesis (bacteria, human, mammals sub-human)
 R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
 R01CA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
 R01CA-12960-02 Synthesis and chemotherapy of nucleic acid analogs
 R01CA-15879-01 Stereochemical principles for anti-cancer drugs
 R01CA-16154-01 D-glucosamine-Potentiator in cancer chemotherapy

N01CM-43784-00 Biochemistry and molecular biology of antitumor drugs (tissue culture, mammals)
 ** R01GM-20884-01 Deoxyribonucleotide metabolism in Escherichia coli
 P07RR-00273-09 0008 Mass spectrometric facility for biomedical research - Deoxyribonucleotide pools in DNA replication center (HeLa cells, hamsters)
NUCLEOTIDES, DEOXYRIBOPOLYNUCLEOTIDES
 ** R01CA-08487-09 Biosynthetic polynucleotides (cattle)
NUCLEOTIDES, DINUCLEOTIDES
 ** P01AM-09001-10 0039 Biochemistry and immunology of blood diseases - Determination of nucleotide sequence by dinucleotide assay
 R01GM-19336-03 X-ray studies on biologically important molecules (fungi, plants)
NUCLEOTIDES, HOMOPOLYNUCLEOTIDES
 R01CA-11935-05 Synthesized polynucleotides as tumor and virus inhibitors
 R01CA-12365-03 Inbred dwarf hamsters for biomedical research
 R01GM-18881-09 Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle)
 R01NS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)
NUCLEOTIDES, NUCLEOSIDE DIPHOSPHATES
 P01CA-14195-01 0014 Core grant-Regulation, the cell membrane and cancer - Chemical synthesis of P-32-labelled nucleotides
 R01GM-19822-15 Metabolism and function of complex lipids (E coli)
NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES
 R01AM-10214-04 Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture)
 R01AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
 P01CA-14195-01 0014 Core grant-Regulation, the cell membrane and cancer - Chemical synthesis of P-32-labelled nucleotides
 R01GM-18632-03 Structures of nucleic acids and related molecules
 R01GM-20308-08 Genetic and biochemical studies of Escherichia coli
NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC
 SEE ALSO NUCLEOTIDES, DEOXYRIBONUCLEOSIDE MONOPHOSPHATES CYCLIC
 SEE ALSO PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC
 SEE ALSO PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC
 SEE ALSO PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE MONOPHOSPHATE CYCLIC
 P15A-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
 R01AM-12046-01 Effect of adrenergic drugs on antibody formation (mice)
 M P01AI-12450-01 Cyclic nucleotides in immunity
 ** P01AI-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogenous tissues (rabbits, rats)
 ** R01AM-01921-17 Transport processes in mammalian cells (human, rodents)
 P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 ** R01AM-05475-13 Action of hormones and cyclic nucleotides (rats)
 R01AM-07681-09 Adrenergic components of lipid metabolism (rats)
 R01AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
 R01AM-12782-07 Anabolic actions of adenohypophyseal hormones (rats)
 R01AM-15281-03 Effects of ethanol on lipid absorption and metabolism (rats)
 ** R01AM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
 R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
 ** P17AM-17042-01 0004 Diabetes endocrinology research center - Cyclic nucleotides and enzymes in cultured diabetic cells (human)
 ** P17AM-17042-01 0009 Diabetes endocrinology research center - Insulin effects on the cyclic nucleotide inhibitor and cyclic GMP
 R01AM-17776-01 Phosphopeptide metabolism in adipocytes (rats)
 P01CA-07175-11 0012 Cancer research at the McArdle laboratory - Gene expression in liver and hepatoma (rats)
 ** P01CA-15655-01 0027 Cancer center support grant - Cyclic nucleotides and cell division control (mice)
 P01GM-19527-03 0005 Human genetics - Control of specific gene expression (rodents, human)
 R01HD-03891-06 Quantitative histochemistry of developing organs (rats)
 R01HD-05794-04 Somatotrope metabolism and lactotrope metabolism (human, rats)

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 **Oriented significantly to above subject.
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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- M P01HD-06273-03 Cyclic nucleotides in uterine and sperm functions
- R01HD-07951-01 Biochemistry of development and regulation (silkworms)
- R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
- R01HL-16725-01 Physiological regulation of pulmonary surfactant (dogs)

NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC, ACRASIN

- R01GM-17856-03 Role of cyclic AMP in development (protozoa, fungi)

NUCLEOTIDES, NUCLEOSIDE TRIPHOSPHATES

- R01AM-16445-01 Active sites of contractile proteins
- R01CA-10619-06 Synchronized cells—Controls in growth and division (hamsters)
- R01CA-10872-07 Histone interactions and conformation studies
- P01CA-14195-01 0014 Core grant—Regulation, the cell membrane and cancer - Chemical synthesis of P-32-labelled nucleotides
- R01CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)
- R01GM-13435-09 Evolution of genetic specificity
- ** R01GM-15381-07 Regulation of RNA synthesis in E coli
- R01GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
- R01GM-19079-03 0001 One MEV scanning transmission electron microscope - Linear non-repetitive sequence
- R01GM-21204-01 Transcription of chloroplast DNA of C. reinhardtii
- R01GM-21421-01 Stability of steady states in nucleic acid synthesis

NUCLEOTIDES, LIPONUCLEOTIDES

- P02CA-13943-02 0006 Clinical pharmacology immunology cancer research center - Synthesis of potential CNS anti-tumor agents
- ** R01CA-15898-01 Cytotoxic agents affecting cell membrane biogenesis

NUCLEOTIDES, OLIGONUCLEOTIDES

- R01AI-12070-01 Autointerference in virus infections and malignancy
- P01CA-02332-20 0037 Clinical and laboratory studies of normal and abnormal growth - Molecular aspects of cancer chemotherapy
- R01CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)
- R01CA-07339-10 Cytochemical substrates and anti-cancer agents (human, rats)
- R01CA-10666-07 0001 Molecular pharmacology of tumor and virus inhibitors - Anthramycin (E coli)
- P01CA-10893-06 0013 Cancer Research Center - Structural analysis of nucleic acids (human, rats)
- ** R01CA-11705-05 Studies on DNA synthesis (bacteria, human, mammals)
- R01CA-11854-04 Characterization of ribosomal RNA methylases (bacteria, viruses, animal cells)
- R01CA-13602-06 Structure and mechanism of action of DNA polymerase (animals, microorganisms)
- R01CA-14620-02 Mechanisms of oncogenic virus gene expression (rabbits)
- R01CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncornaviruses
- P01CA-15655-01 0024 Cancer center support grant - mRNA sequences in nuclear RNA (rabbits)
- M01CM-12165-04 Preparation of bulk chemicals and drugs
- M01CP-23293-03 Synthesis of purine and pyrimidine nucleotides
- R01GM-10840-16 Structure and function of nucleic acids (microorganisms)
- R01GM-13037-10 Structural and biological properties of tRNA (E coli)
- R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
- ** R01GM-13435-09 Evolution of genetic specificity
- R01GM-14825-08 Conformation of tRNA and model oligonucleotides
- R01GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)
- ** R01GM-16213-07 Some novel synthesis of oligonucleotides
- R01GM-18038-04 NMR studies of aspartate transcarbamylase and tRNA (E coli)
- R01GM-18586-03 Nucleotide sequencing methods for oncogenic viruses
- R01GM-18649-16 Enzymatic synthesis of precursors of DNA (yeasts, bacteria)
- R01GM-19099-03 Functional sites on transfer RNA (E coli)
- ** R01GM-19111-03 Peptidyl transferase recognition sites
- R01GM-19195-02 RNA sequence analysis and base-specific antibodies
- R01GM-19984-02 0001 Structure and function of proteins at molecular level - Histones (cattle, peas)
- R01GM-21034-01 Electrochemistry and interfacial behavior of purines

NUCLEOTIDES, POLYNUCLEOTIDES

SEE ALSO NUCLEOTIDES, DEOXYRIBOPOLYNUCLEOTIDES

- R01AI-01254-18 Cellular immune response—Nature of transfer factor (human, mice)
- R01AI-05629-12 Chemistry of the interferon molecule (mice)
- R01AI-05669-11 Complex molecular synthesis (cockroach, plants)
- R01AI-06264-10 Cellular resistance to virus infections
- ** R01AI-10944-03 Uptake of polynucleotides and interferon production
- R01AI-11272-02 Human interferon—induction and structure
- R01AM-11295-08 Physical studies of biological macromolecules
- ** R01AM-14273-05 Regulatory mechanisms in immunobiology (mice)
- P01CA-02332-20 0037 Clinical and laboratory studies of normal and abnormal growth - Molecular aspects of cancer chemotherapy
- R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
- P02CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
- P01CA-08748-09 6206 Research program of Sloan-Kettering Institute - Phenylalanine and uridine uptake by L1210 leukemia cells (mice)
- R01CA-10537-05 RES function, tumor induction and growth (mice)
- ** R01CA-12316-04 Alkylation of polynucleotides in vitro and in vivo
- R01CA-12627-05 Polynucleotides and nucleic acids (bacteria)
- R01CA-12960-02 Synthesis and chemotherapy of nucleic acid analogs
- ** P01CA-13038-03 0081 Experimental therapeutics and cancer drug program - Polynucleotides, streptovaricins and deoxynucleotide polymerizing enzymes
- P02CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
- P02CA-13148-03 0053 Pilot cancer center - Mechanisms and regulation of protein synthesis (human, bacteria)
- ** R01CA-13153-03 Stabilized polynucleotides—Interferon inducers
- R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
- ** R01CA-14405-02 Mechanism of anti-tumor effects of polynucleotides
- R01CA-14551-02 Penetration of macromolecules into mammalian cells
- P01CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
- R01CA-15696-01 Molecular pharmacology of the nitrosoureas (chemical models)
- ** R01CA-15826-01 Metal binding to polynucleotides—Probes and drugs
- ** R01CA-16045-01 Polynucleotides and streptovaricins in cancer chemotherapy
- R01CA-16299-01 Mutagenic alterations in nucleic acid structure
- R01DE-03348-03 Altered RNA metabolism on salivary glands
- ** R01GM-10265-12 New methods for synthesis of polynucleotides
- P01GM-10403-12 0007 Biophysical studies on viral structure and function - Synthetic polynucleotides
- R01GM-11518-11 Fine structure of nucleic acids
- ** R01GM-13435-09 Evolution of genetic specificity
- R01GM-13511-09 Genetic content and recombination of DNA fragments (viruses, bacteria)
- R01GM-15792-08 0002 Structure and relations of proteins and nucleic acids - Effects of solvent perturbants on the stability of macromolecular conformation
- ** R01GM-16952-05 Alkylation of synthetic polynucleotides (bacteria)
- ** R01GM-17371-04 Molecular geometries of nucleic acids
- ** R01GM-17533-13 Protein and nucleic acid model studies (E coli)
- R01GM-18012-04 Biochemical and genetic studies of DNA synthesis (viruses and bacteria)
- R01GM-18617-04 Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells)
- R01GM-19334-02 Physical properties of isolated nuclei and chromosomes (rats, chickens)
- ** R01GM-19362-06 Biological importance of pyrimidine photohydrates
- ** R01GM-19395-03 Synthesis of polyribonucleotides of defined sequence
- R01GM-20871-01 Studies of human chromosomal DNA (and Drosophila)
- R01GM-21034-01 Electrochemistry and interfacial behavior of purines
- R01GM-21431-01 Structural studies of RNA (yeasts, E coli)
- ** R01GM-21795-01 Magnetic resonance of heterocyclic triplet states
- P01HD-05797-04 0010 Population and reproductive biology - Interaction of hormone receptors with target cell nuclei (chickens, mammals)
- P07RR-00542-04 NMR spectrometer facility

NUCLEOTIDES, POLYNUCLEOTIDES, COPOLYNUCLEOTIDES

- ** R01GM-16927-06 Conformational studies of DNA block copolymers
- NUCLEOTIDES, RIBONUCLEOSIDE MONOPHOSPHATES**
- ** R01CA-12591-03 Synthesis of new ribonucleoside 3, 5 cyclic phosphates
- NUCLEOTIDES, RIBONUCLEOSIDE TRIPHOSPHATES**
- R01GM-19649-01 Ligand binding to allosteric enzymes
- NUCLEOTIDES, RIBONUCLEOTIDES**
- SEE ALSO AMINO ACYL NUCLEOTIDES, AMINO ACYL ADENYLATES
- SEE ALSO FLAVIN NUCLEOTIDES, RIBOFLAVIN NUCLEOTIDES
- SEE ALSO PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES
- P01CA-10893-06 0013 Cancer Research Center - Structural analysis of nucleic acids (human, rats)
 - R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
 - R01CA-12210-14 Cellular control mechanisms (mammals)
 - R01CA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
 - P01CA-13038-03 0063 Experimental therapeutics and cancer drug program - Biochemistry of guanazole action on mouse leukemia L1210
 - P01CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
 - R01CA-16347-01 Regulation of survival of ultraviolet-irradiated E coli K-12
 - M01CM-43784-00 Biochemistry and molecular biology of antitumor drugs (tissue culture, mammals)
 - P13DE-02623-08 0024 Center for oral health research - Replication of herpes simplex virus (type 1 oral) in synchronized mammalian cell
 - R01GM-15597-07 Genetic and comparative studies of enzymes (human, microorganisms)
 - ** R01GM-19395-03 Synthesis of polyribonucleotides of defined sequence
 - ** R01GM-20759-01 Ribonucleotide reduction in mammalian cells (rabbits)
- NUCLEOTIDES, UNNATURAL NUCLEOTIDES**
- SEE ALSO NUCLEIC ACIDS, UNNATURAL NUCLEIC ACIDS
- SEE ALSO NUCLEOTIDES ANALOGS
- R01AM-11295-08 Physical studies of biological macromolecules
 - R01CA-12210-14 Cellular control mechanisms (mammals)
 - R01CA-15086-01 Nuclear synthesis and modification of RNA (rats)
 - R01GM-14825-08 Conformation of tRNA and model oligonucleotides
- NUCLEOTIDES ANALOGS**
- SEE ALSO NUCLEIC ACIDS ANALOGS
- SEE ALSO NUCLEOBASES ANALOGS
- SEE ALSO NUCLEOTIDES, UNNATURAL NUCLEOTIDES
- SEE ALSO PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2) ANALOGS
- ** R01AM-05195-14 Interaction of ATP analogs with myosin
 - P02CA-13943-02 0014 Clinical pharmacology immunology cancer research center - Nucleotide patterns in animal tumor cells and human leukemic cells
 - P02CA-13943-02 0026 Clinical pharmacology immunology cancer research center - Regulation of immune response by cyclic AMP and analogs
 - ** P01CA-14195-01 0014 Core grant—Regulation, the cell membrane and cancer - Chemical synthesis of P-32-labelled nucleotides
 - ** P01CA-14195-01 0019 Core grant—Regulation, the cell membrane and cancer - Synthesis and chemotherapy of nucleic acid analogs
 - R01CA-15577-01 Tumor cell inhibition by nucleotide aldehyde analogs (L1210)
 - R01CA-15687-01 cAMP analogs as growth regulators in hepatoma cells
 - M01CP-23293-03 Synthesis of purine and pyrimidine nucleotides
 - R01GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
 - R01GM-10265-12 New methods for synthesis of polynucleotides
 - R01GM-16066-07 Nucleic acid chemistry and its biomedical application
 - R01GM-16966-05 Crystal structure of compounds related to DNA
 - P01GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
- NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE**
- R01AA-00189-03 Role of cyclic AMP in ethanol action (rats)
 - ** R01AA-00194-03 0003 Effects of alcohol on gastric mucosa - Enzymatic processes (dogs, rabbits)
 - R01AA-00202-03 Effect of ethanol on jejunal function (human)
 - R01AI-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)

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R22AI-07625-08 Mechanisms of enterotoxin-induced diarrheal disease (E coli, V cholerae, dogs)
 R01AI-07826-06 Studies on in vivo growth of staphylococci (mice, rabbits)
 R22AI-08187-07 Pathogenesis of fluid and electrolyte loss in experimental cholera (rabbits)
 R22AI-08209-07 Cellular responses to cholera toxin (rats, bacteria, protozoa)
 R22AI-09029-06 0010 Cholera toxin and intestinal ion transport - Mechanism regulating active transport in rabbit ileum
 R22AI-09029-06 0011 Cholera toxin and intestinal ion transport - Cholera toxin activation of adenylate cyclase in turkey erythrocytes
 ** P15AI-10400-04 Clinical and biochemical correlations in asthma (children)
 ** P15AI-10405-04 Asthma clinical center (human, rats, rabbits)
 R22AI-11365-02 Cholera-like toxigenic coliform diarrhea in children
 P01AI-12450-01 0001 Cyclic nucleotides in immunity - Lymphocyte activation (human, rats, mice)
 P01AI-12450-01 0002 Cyclic nucleotides in immunity - Histamine release (rats)
 P01AI-12450-01 0003 Cyclic nucleotides in immunity - Phagocytosis (guinea pigs, human)
 P01AI-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogenous tissues (rabbits, rats)
 R01AM-01128-18 ACTH, its receptors, antagonists and mode of action (cattle)
 R01AM-01921-17 Transport processes in mammalian cells (human, rodents)
 R01AM-02463-16 Investigation of the thyroid and pituitary (human, rats)
 ** R01AM-02818-16 Biochemical analysis of the action of insect hormones
 R01AM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)
 R01AM-03858-14 Control of water and solute movement across cell
 R01AM-04660-12 Metal mediation of pituitary hormonal regulation (swine, toads)
 R01AM-04899-14 Action of adrenocorticotropin (rats)
 R01AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
 R01AM-05475-13 Action of hormones and cyclic nucleotides (rats)
 R01AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
 ** R01AM-06439-12 Metabolism and endocrine function in the thyroid (rats)
 R01AM-06725-13 Action of insulin on cell membrane (rats)
 ** R01AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
 ** P01AM-07462-11 0050 Hormonal regulation of metabolism - Insulin and the adenylate cyclase-phosphodiesterase system of fat cells
 ** P01AM-07462-11 0053 Hormonal regulation of metabolism - Adenylate cyclase
 P01AM-08458-10 0001 Uremia and exchange of ions and water - Factors affecting renal excretion of sodium (dogs, cattle, toads, human)
 R01AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
 R01AM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
 ** P01AM-09650-10 0004 Hormonal and ionic control of metabolism - Roles of calcium and cyclic AMP in slime mold aggregation
 R01AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
 R01AM-10149-09 Hormonal control of lipid metabolism (rats)
 R01AM-10451-09 Enzyme secretion and its metabolic control (rats)
 R01AM-10913-08 Factors affecting renal physiology in the newborn (dogs, rats, rabbits, monkeys)
 R01AM-11265-06 Adipose tissue regulation of fat metabolism (human, mammals, nonhuman)
 R01AM-11674-08 0003 Bone metabolism in chronic disorders - Studies with glucagon (dogs)
 R01AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
 R01AM-12484-06 Intestinal resection and mucosal carbohydrate metabolism (human, rats)
 R01AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
 R01AM-13211-06 Kidney control of erythropoietin production (human, animals)
 P01AM-13385-06 0001 Cystic fibrosis - Development of secretory capacity in exocrine glands (rats)
 R01AM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)
 R01AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
 R01AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
 R01AM-14070-04 Role of adrenocorticoids in lipolysis (rats, human)

R01AM-14496-03 Interaction of parathyroid hormone with bio-membranes (rats)
 R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
 R01AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
 R01AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
 R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
 ** R01AM-15016-04 Macromolecular reversible inhibitor of adenyl cyclase (frogs, rabbits)
 R01AM-15235-04 Mechanism of action of insulin (rats)
 R01AM-15272-03 Metabolism of perfused hind limb (rats)
 R01AM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
 R01AM-15346-03 Development of mineralized tissues (rats)
 R01AM-15355-04 Synthesis and function of calcium binding protein (chick embryo)
 R01AM-15504-01 Synthesis and receptor studies of hormone analogs
 R01AM-15534-02 Prostaglandin and calcium interactions on sodium transport (anurans)
 R01AM-15611-03 Biochemical role of cyclic AMP in gastric mucosa (rabbits, dogs)
 R01AM-15740-03 Cell division control in normal and psoriatic skin
 R01AM-15788-03 Mechanism of action of antipolytic drugs (rats)
 R01AM-15977-03 Relationship between gastric secretion and blood flow (dogs)
 R01AM-15986-03 0005 Cirrhosis, ascites and the hepatic circulation - Gastric back diffusion (dogs, frogs)
 R01AM-15986-03 0008 Cirrhosis, ascites and the hepatic circulation - Calcium ion regulation of secretory activity of GI endocrine cells (frog)
 R01AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
 R01AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
 R01AM-16551-03 Drug and hormone effects on carbohydrate metabolism (rats)
 R01AM-16638-02 Studies of uremia and exchanges of ions and water
 R01AM-16826-01 Mechanisms of polypeptide hormone action
 P17AM-17026-01 0016 Vanderbilt University Diabetes-Endocrinology Center - Hormone antagonist formed during hormone action (dogs, rats, hamsters, human)
 ** P17AM-17026-01 0021 Vanderbilt University Diabetes-Endocrinology Center - Inotropic effect of tolbutamide in man
 P17AM-17026-01 0024 Vanderbilt University Diabetes-Endocrinology Center - Control by insulin of cyclic AMP metabolism in rat liver (rats)
 ** P17AM-17026-01 0029 Vanderbilt University Diabetes-Endocrinology Center - Membrane bound enzymes (rats)
 P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
 P01AM-17040-01 0006 The basic defect in cystic fibrosis - Surface membranes and enzymes (human)
 P17AM-17042-01 0004 Diabetes endocrinology research center - Cyclic nucleotides and enzymes in cultured diabetic cells (human)
 R01AM-17179-01 Cyclic AMP in psoriasis
 R01AM-17234-01 Effects of lithium on renal function (human, rats)
 R01AM-17537-02 Functional morphology of the alimentary tract (human, rat, rabbits)
 R01AM-17772-01 Quantitative histochemistry of gastric acid secretion (rats)
 R01AM-17776-01 Phosphopeptide metabolism in adipocytes (rats)
 R01AM-17780-01 Secretion in pituitary and other cells (rabbits, rats)
 R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
 ** R01CA-04679-15 0002 Biology of normal and malignant melanocytes - Tyrosinase, adenyl cyclase, and cholinesterase
 R01CA-05295-14 0004 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on membrane systems (mice)
 R01CA-05671-14 0011 Glucocorticoid receptors in normal and malignant tissue - Cyclic AMP (rats)
 ** P02CA-08480-09 0004 Childhood cancer research center - Cyclic AMP in normal and cancer tissues (rats)
 R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
 R01CA-08518-07 0001 Lysosomal enzymes in x-irradiated tumor cells - L-1210 leukemia (ascites) in vivo and in vitro (mice)
 ** R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
 P01CA-08748-09 5302 Research program of Sloan-Kettering Institute - Hormonal effects on plasma membranes (human, rats)

** R01CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
 R01CA-10395-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
 R01CA-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
 R01CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
 R01CA-12503-04 Neoplastic growth and cell cycle control (mice)
 P01CA-12708-03 0008 Studies of normal and malignant growth - Membrane structural alterations in response to catecholamines (mammals)
 P02CA-13148-03 0025 Pilot cancer center - Electrical potentials in gastric carcinoma (rabbits, human, guinea pigs, dogs)
 ** R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
 P01CA-13330-03 0032 Cancer research program - Cyclic AMP and protein kinase (hamsters, cattle, bacteria)
 P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
 ** R01CA-13444-03 Regulation of adenyl cyclase (neoplastic cells)
 ** P01CA-13526-03 0001 Correlated study of metabolic regulation in neoplasia - Correlated study metabolic regulation in neoplasia
 P01CA-13526-03 0002 Correlated study of metabolic regulation in neoplasia - Role of cyclic AMP in regulation of metabolism in neoplastic tissues
 R01CA-13537-03 Cyclic AMP system in normal and neoplastic cells (3T3 cells, cattle)
 R01CA-13638-03 Cyclic nucleotides in HeLa cell growth
 P02CA-13943-02 0027 Clinical pharmacology immunology cancer research center - Mechanism of action of endotoxin in immune response (human)
 ** P02CA-13943-02 0053 Clinical pharmacology immunology cancer research center - Endocrinology-Adenyl cyclase in neoplastic tissue (human, mammals)
 P01CA-14193-02 0010 Comparative leukemia studies unit - Virion proteins
 P01CA-14195-01 0004 Core grant-Regulation, the cell membrane and cancer - Function of viral and cellular genes (tissue culture)
 R01CA-14525-02 Biochemistry of normal and leukemic lymphocytes (human)
 ** R01CA-14713-02 Adrenal cyclase in normal and cancer cells (mammals)
 R01CA-14953-01 Malignancy in mouse germ cell-Cancer cell hybrids
 R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
 P02CA-15145-01 0002 Cancer center support grant - Prostaglandin and LH action in corpus luteum
 P01CA-16228-01 0008 Cell membrane in proliferation and oncogenesis - Cyclic nucleotides and cell proliferation (rodents, rabbits)
 R01CA-17038-01 Postnatal determination of the submandibular gland (rats)
 N01CB-33919-02 Role of prostaglandins in mammary gland neoplasia (mice)
 R01DA-00109-03 Morphine tolerance and high sensitivity measurement (rats)
 R01DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
 P01DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
 P01DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
 R01DE-03565-01 Oral carcinogenic actions of betel nut and tobacco
 R01DE-03619-02 Biochemical aspects of tooth eruption and movement (cats)
 R01ES-00412-06 0018 Mechanisms of insecticide resistance - Cyclic nucleotides in toxic action of and in resistance to insecticides (fish)
 ** R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
 R01EY-00395-06 Maturation of metabolism in normal and dystrophic retina (mice)
 P01EY-00785-03 0001 Vision research center - Transduction mechanisms and visual processes (Limulus)
 R01EY-00847-03 Cyclic nucleotides in visual transduction (crayfish)
 R01EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
 R01GM-02907-23 ACTH and related peptides (rats, rabbits)
 P01GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
 P01GM-16496-06 0028 Clinical pharmacology-Pharmacokinetics - Physical interaction of agonists with leukocyte receptors
 P01GM-16496-06 0030 Clinical pharmacology-Pharmacokinetics - Cyclic AMP metabolism in leukocytes
 P01GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)

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 **Oriented significantly to above subject
 M Grant has subprojects describing specific research aspects

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- RO1GM-16865-05 Regulation of spindle formation in developing eggs (invertebrates, mammals)
- PO1GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
- PO1GM-19100-03 0018 Genetics research center - Developmental genetics (Caulobacter crescentus)
- RO1GM-19390-03 Biochemistry of a response system of Phycomyces
- RO1GM-21420-01 Cyclic AMP regulation (human, mammals nonhuman, birds)
- RO1HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)
- RO1HD-03326-07 0001 Effects of early nutrition on growth and development - Metabolic studies (human)
- RO1HD-03326-07 0002 Effects of early nutrition on growth and development - Genetic studies (human)
- PO1HD-05969-03 0003 Events that control fertilization - Metabolism and metabolic control of ovary (Rhesus monkey)
- RO1HD-06069-03 Effects of prostaglandins on myometrial metabolism (rhesus monkeys)
- PO1HD-06267-03 0005 Role of biological membranes in aging processes - Plasma membrane of the adipocyte (rats)
- PO1HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
- PO1HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
- RO1HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, catti)
- RO1HD-06489-03 Cyclic AMP in female reproductive hormone action (human, rats)
- ** RO1HD-06513-03 Prostaglandin and LH action in corpus luteum (rats, rabbits, swine)
- ** RO1HD-06779-03 Enzymic differentiation in the fetus and newborn (rats, human)
- RO1HD-06851-02 Regulation of leaf senescence by plant hormones
- RO1HD-06963-09 Properties of smooth muscle (rats)
- ** PO1HD-07173-02 0003 Structure and function of aging human fibroblasts - Adenyl cyclase system and hormone receptors (WI 38)
- ** RO1HD-07422-02 Regulation of pineal enzymic activity by sex steroids (quail)
- RO1HD-07651-02 Ovarian growth factor, control of ovarian tumors (rats)
- ** RO1HD-07693-01 Hormonal interactions in uterus (cattle)
- RO1HD-08099-01 Mode of action of luteinizing hormone (rats)
- RO1HD-08188-02 Reproductive hormones-Biology and molecular actions (chickens)
- RO1HD-08228-01 Testicular receptors of follicle-stimulating hormones (human, rats, primates)
- NO1HD-42849-00 Isolation of gonadal cell membranes and gonadotropin binding sites
- NO1HD-92221-08 Properties of chemically modified LH and LH subunits
- RO1HL-01813-20 Regulation of metabolism by drugs and hormones (rats)
- RO1HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
- RO1HL-04639-15 Vascular reactivity in surgical care (dogs)
- PO1HL-06285-14 0184 Cardiovascular-respiratory physiology and biochemistry - Regulation of renin secretion (dogs)
- PO1HL-06285-14 0185 Cardiovascular-respiratory physiology and biochemistry - Catecholamine receptors (rabbits)
- PO1HL-06664-13 0032 Cardiopulmonary function in remediable vascular disease - Hormonal control of salt and water in cardiovascular disease (moads)
- RO1HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- ** RO1HL-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
- RO1HL-08893-10 Interactions between biological macromolecules (human, rats)
- RO1HL-09283-10 Pharmacology of molluscan hearts
- RO1HL-09562-09 Protein and RNA synthesis in cardiac stress (guinea pigs)
- PO1HL-11414-07 0023 Thrombosis and atherosclerosis program - Cyclic AMP system controlling myocardial function (hamster)
- RO1HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
- PO1HL-12373-06 0007 Cardiopulmonary physiology and pathophysiology - Contractility in normal and failing myocardium (rabbits, guinea pigs)
- PO1HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- ** PO1HL-12738-06 0062 Physiologic pharmacology and its clinical applications - Blood-perfused cardiac tissues and ventricular automaticity (dogs)
- RO1HL-12740-06 Hypocholesterolemic agents-Stereochemistry (rats)
- RO1HL-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
- RO1HL-13306-04 Electrophysiology of heart muscle (cattle)
- ** RO1HL-13715-04 rabbits Myocardial adenyl cyclase (human, rabbits)
- RO1HL-13764-03 Control of renin release by the kidney in vitro (rats)
- RO1HL-13870-04 Control of myocardial sarco tubular calcium stores (dogs)
- P17HL-14147-04 0001 Specialized center of research in thrombosis - Structure and function of human platelet membranes
- ** P17HL-14217-04 0014 Specialized center of research in thrombosis - The mechanism of platelet aggregation
- RO1HL-14358-03 Mechanism of angiotensin action on target tissues (dogs)
- PO1HL-14388-03 0012 Regulation of the circulation in pathological states - Role of active reflex vasodilation in hypertension in man
- RO1HL-14649-03 Metabolic aspects of endotoxin shock (guinea pigs, dogs, rats)
- PO1HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
- PO1HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
- RO1HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- RO1HL-15002-03 Biochemical pharmacology of guanyl cyclase in lung (cattle)
- RO1HL-15313-02 Cyclic AMP metabolism in leukocytes from asthmatics
- RO1HL-15571-02 Water and electrolytes in health and disease (human, rats, fish)
- RO1HL-15696-02 Molecular basis of regulation of heart function (rats)
- RO1HL-15829-01 Regulation of vascular smooth muscle contractility
- PO1HL-15835-01 0018 Pennsylvania Muscle Institute - Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs)
- RO1HL-15851-01 Interaction of cardio and vasoactive drugs with cells
- RO1HL-15985-02 Metabolic and hormonal control of cardiac contraction
- RO1HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
- RO1HL-16037-01 Molecular properties of cardiac adrenergic receptors
- RO1HL-16111-01 Integrated regulation of myocardial energy metabolism (rats, guinea pigs)
- M RO1HL-16478-01 Hemodynamic relations to metabolism in hypertension
- RO1HL-16478-01 0002 Hemodynamic relations to metabolism in hypertension - Cardiac cyclic AMP related systems in hypertensive rats
- ** RO1HL-16552-01 Regulation of cardiac adenyl cyclase activity (cats, bacteria)
- RO1HL-16666-01 Micropinocytosis in isolated capillary endothelium
- RO1HL-16671-01 Action of sympathomimetic amines (dogs, cats, rats)
- R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
- R23HL-17235-01 Cyclic AMP and histamine hypersensitivity (mice)
- NO1HV-22973-02 Investigation of lethal arrhythmias in coronary heart disease (dogs)
- R10MH-11468-09 0022 Psychopharmacology research center - Stored vs newly synthesized catecholamines in amphetamine CNS stimulation (rats)
- ** PO1MH-16674-06 0037 A program of psychiatry-oriented biological research - Dopamine stimulated adenyl cyclase and cyclic AMP in caudate nucleus (rats)
- RO1MH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
- RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- RO1MH-23464-02 Biochemistry of psychopharmacological agents (liver flukes, lobsters, mammals)
- RO1NS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
- RO1NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- PO1NS-09199-04 0008 Effect of L-dopa on synthesis of amines in brain (human, animals) - Cyclic AMP in basal ganglia function (rats)
- RO1NS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
- PO1NS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
- RO1NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
- RO1NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- RO1NS-10638-02 Molecular control of excitability of muscle membrane (mice)
- RO1NS-10896-01 Development of selective beta-adrenoceptive agents
- RO1NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
- RO1NS-11609-01 Muscle membranes and muscle disease (human)
- PO1NS-11766-01 0001 Clinical research center for neuromuscular disease - Muscle membranes and muscle disease (human)
- ** MO1RR-00039-14 0052 General clinical research center - Biological active peptides in animal tissues (monkeys, cattle)
- MO1RR-00071-11 0034 General clinical research center - Effect of early nutrition on development of human adipose tissue
- ** MO1RR-00865-01 0017 General clinical research center - Adenyl cyclase as prognosticator of response to growth hormone (human)
- NUCLEOTIDYL-CYCLEASES, GUANYL CYCLASE**
- RO1AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
- RO1AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
- RO1AM-15611-03 Biochemical role of cyclic AMP in gastric mucosa (rabbits, dogs)
- P17AM-17026-01 0030 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic GMP
- PO1CA-16228-01 0004 Cell membrane in proliferation and oncogenesis - Cyclic GMP control of proliferation and cell function (mice, human)
- RO1GM-16811-05 Role of cyclic GMP and cyclic AMP (animals)
- RO1HL-13776-04 Cyclic nucleotides and cardiac function (chick embryo)
- RO1HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
- R03MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)
- RO1NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
- NUCLEOTIDYLTRANSFERASES**
- ** RO1AM-09765-09 0001 Regulatory processes in biological systems - CTP synthetase (E coli)
- ** RO1AM-09765-09 0002 Regulatory processes in biological systems - PR-ATP synthetase (salmonella typhimurium)
- RO1CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
- NUCLEOTIDYLTRANSFERASES, ATP:NMN ADENYLTRANSFERASE**
- ** PO1CA-08748-09 5734 Research program of Sloan-Kettering Institute - NAD-pyrophosphorylase activity and ATP synthesis (mice)
- ** RO1GM-13864-09 Intracellular site of synthesis of specific enzymes (rats, Hela cells)
- NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES**
- RO1AI-04886-12 Virus growth and genetics (bacteriophage)
- RO1AI-05722-11 Replication of the DNA of T-even bacteriophages
- ** RO1AI-06045-11 Structure and synthesis of DNA (E coli, bacteriophage)
- ** RO1AI-08573-07 0003 Genetics of lambda prophage - Phage growth on hosts
- RO1AI-10778-03 Induced mutations in bacteria (E coli)
- ** RO1AI-11472-01 Hepatitis associated antigen (human, mice, rats, hamsters)
- RO1AI-11633-01 DNA replication in small viruses, in vivo /in vitro
- RO1AI-11636-01 Normal and virus-infected animal cells
- RO1AI-11673-01 Effect of drugs on Plasmodium berghei (mice)
- PO1AI-11851-01 0009 Biology and biochemistry of lymphocyte surface - Virus-lymphocyte interactions (mice)
- RO1AM-10785-18 Abnormal nucleic acids in aplastic anemia (cattle)
- RO1AM-11317-08 Mitochondria-Nucleic acid synthesis and role of DNA (rats)
- RO1AM-12789-06 Metal ion catalysis in enzymic reactions
- RO1AM-13351-07 NMR studies of enzyme-metal-substrate interactions
- RO1AM-15917-03 Hemoglobin production during animal development (chick embryo)
- ** RO1AM-16013-03 Enzyme regulation in the hemopoietic system (human)
- RO1AM-16466-01 Cell differentiation (chick embryo)
- PO1AM-16716-01 0019 Pathophysiological bases of muscle diseases - Protein synthesis in experimental ventricular hypertrophy (guinea pig, cat, dog)
- P17AM-17624-01 0002 Obesity center - DNA polymerase in adipose tissue of early postnatal rats
- RO1AM-18091-01 Effect of vagotomy on hepatic regeneration (rats)
- ** RO1CA-05295-14 0002 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA polymerase (bacteria)
- RO1CA-05634-14 Southeastern cancer study group

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- R01CA-05953-13 0001 Human tumors in vitro - Biochemical studies with human tumors
- P02CA-06516-12 0026 Cancer center support grant- Comprehensive - Detection of sub infections RNA tumor virus gene expression
- P02CA-06519-12 0108 Radiation therapy and biology research program - Role of UVRC gene product in excision repair of UV-irradiated E coli
- ** P02CA-06551-11 0009 Cancer clinical research - DNA polymerases in human lymphocytes
- ** P01CA-06927-12 0016 Biological and biochemical program in cancer research - Initiation of DNA synthesis (human, sea urchins)
- P02CA-06973-12 0014 Integrated clinical cancer research program - Multiple myeloma (human)
- R01CA-08487-09 Biosynthetic polydeoxynucleotides (cattle)
- ** R01CA-08800-08 Mechanisms of drug inhibition of human leukemic cells (rats, human)
- R01CA-10298-06 Binding of antitumor agents to DNA
- P02CA-10438-08 0011 Clinical radiation therapy research center - Kinetics of lymphocytes in human tumors
- P01CA-10748-07 0014 Cancer chemotherapy program - Synthesis of asparagine analogs
- P01CA-10815-06 0009 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncornavirus (mice)
- P01CA-10815-06 0025 Consolidated basic cancer research program - Cell-free system to study viral DNA (monkeys)
- P01CA-10815-06 0029 Consolidated basic cancer research program - Regulation and transcription of free and integrated SV40 genome (monkeys)
- R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- P02CA-11265-05 0037 General clinical cancer research center - BCNU, CCNU and isocyanate derivatives
- R01CA-11524-04 Control of replication in human lymphocytes
- R01CA-11637-04 DNA replication in normal and tumor cells (rats)
- R01CA-11705-05 Studies on DNA synthesis (bacteria, human, mammals)
- R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
- R01CA-11981-04 Synthetic and biological studies of nucleic acids (yeast, E coli, bacteriophage)
- ** P01CA-12174-04 0006 Growth and cell control processes - Nuclease associated with avian myeloblastosis virus DNA polymerase
- ** P01CA-12174-04 0007 Growth and cell control processes - Initial product synthesized by DNA polymerase of tumor viruses
- ** P01CA-12174-04 0008 Growth and cell control processes - Synthesis of DNA complementary to natural messenger RNA
- ** P01CA-12174-04 0010 Growth and cell control processes - Differentiating viral from cellular DNA polymerases (mice)
- R01CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
- ** P01CA-12708-03 0005 Studies of normal and malignant growth - Effect of nitrosourea derivatives on DNA polymerases in rat liver
- P01CA-12708-03 0006 Studies of normal and malignant growth - Regulation of DNA synthesis in normal and cancer cells (human, rats)
- R01CA-12784-03 Circular DNA-Implications for cancer and drug resistance
- R01CA-12818-03 DNA polymerases in normal and leukemic lymphocytes (human)
- R01CA-13006-02 Structure and replication of tumor virus nucleic acid
- P01CA-13038-03 0062 Experimental therapeutics and cancer drug program - Structure-activity relationships among guanthydrazones
- P01CA-13038-03 0080 Experimental therapeutics and cancer drug program - Deoxynucleotide polymerizing enzymes from human cells
- P01CA-13106-03 0003 Cold Spring Harbor laboratory cancer research center - Electron microscopy section
- R01CA-13118-03 Preparation of L-3-amino-nucleosides and nucleotides
- R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)
- R01CA-13414-03 Replicon control in normal and transforming cells (hamsters)
- P01CA-13472-02 Investigation of childhood leukemia
- ** P01CA-13472-02 0002 Investigation of childhood leukemia - Reverse transcriptase in mammalian cells (human, rats)
- R01CA-13479-03 Provirus of RNA tumor viruses (mice)
- R01CA-13600-02 Pathology of chemical carcinogenesis (rats)
- ** R01CA-13602-06 Structure and mechanism of action of DNA polymerase (animals, microorganisms)
- P02CA-13943-02 0034 Clinical pharmacology immunology cancer research center - Effect of mammary tumor virus on spleen to phytohemagglutinin (mice)
- ** P01CA-14733-02 0019 Control of gene expression, virus replication and cell growth - Mutagenic DNA and RNA polymerase in phage T4
- P01CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
- P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
- P01CA-14801-02 0004 Chemotherapy and regulation of oncogenic viruses - Ala-S activity friend disease-Antiviral drug effect
- P01CA-14801-02 0007 Chemotherapy and regulation of oncogenic viruses - EM of virus in witch's milk from nursing infants (human, monkeys)
- P01CA-14801-02 0009 Chemotherapy and regulation of oncogenic viruses - Sequences in nucleic acids of RNA tumor viruses
- P01CA-14801-02 0010 Chemotherapy and regulation of oncogenic viruses - Cellular control of production of RNA tumor viruses
- P01CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- P01CA-14801-02 0012 Chemotherapy and regulation of oncogenic viruses - Antiviral agents and immunotherapy in murine leukemia
- ** P01CA-14801-02 0013 Chemotherapy and regulation of oncogenic viruses - DNA polymerase in murine tissues
- ** R01CA-14835-02 DNA polymerases in normal and neoplastic human cells
- R01CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- R01CA-15187-01 DNA synthesis-Regulation in normal and cancer cells (rat liver)
- ** R01CA-15484-02 Histone control of nuclear DNA polymerase activity (rats)
- ** R01CA-15819-01 Inhibitor of DNA polymerase in sera of tumor-bearing mice
- R01CA-15915-01 A molecular probe for the study of DNA replication (bacteria)
- P01CA-16038-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
- R01CA-16045-01 Polynucleotides and streptoviricins in cancer chemotherapy
- R01CA-16191-01 5-Substituted pyrimidines and cancer chemotherapy
- ** R01CA-16266-01 Mechanism of AMV transcriptase inhibitors
- ** R01CA-16312-01 Avian DNA polymerase-RNase H enzymes (E coli, oncogenic viruses)
- R01CA-16329-01 Biology of the reticuloendotheliosis virus group (chickens)
- R01CA-16347-01 Regulation of survival of ultraviolet-irradiated E coli K-12
- ** N01CM-12326-03 Preparation of polymeric materials
- N01CM-12339-05 Biochemical screening for anticancer agents
- N01CP-23237-02 B-type particles from human milk in Israel
- N01CP-33211-02 Molecular events in transformation by RNA oncogenic viruses (human, animals)
- N01CP-33212-04 Viruses and experimental oncogenes and human cancer (animals)
- N01CP-33293-03 Study role of virion-associated DNA polymerase
- N01CP-33306-01 Evaluation of methods for isolation of virus from human neoplasia
- N01CP-43212-00 Structure and replication of murine and avian tumor viruses
- N01CP-43236-00 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- N01CP-43249-00 Application of animal virus model systems to human neoplasia
- N01CP-43263-00 Mouse mammary tumor virus production facility
- N01CP-43287-00 Correlation of molecular virology to diagnosis of breast cancer
- N01CP-81030-11 Etiology and epidemiology of human cancer
- P10ES-00210-07 0019 Center for environmental management - Environmental chemicals and tumor virus expression-induction (rabbits)
- R01EY-00108-05 Histopathologic study of pigmented ocular tumors (human, dogs, cats)
- ** P01EY-00785-03 0006 Vision research center - RNA dependent DNA polymerase in ocular tumors (human, animals)
- R01GM-06196-15 Genetic recombination and viral DNA synthesis
- ** R01GM-07581-13 Biosynthesis of deoxyribonucleic acid and membranes (bacteria, viruses)
- ** R01GM-09901-13 Replication and transcription of genetic material (microorganism, human)
- R01GM-13221-09 Genetic recombination and replication in bacteriophage (E coli)
- R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
- R01GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
- R01GM-14108-09 DNA synthesis and genetic recombination in B subtilis
- ** P01GM-15423-07 0027 Molecular basis of control mechanisms - polA Gene
- R01GM-15697-07 Molecular mechanisms of information transfer (E coli, T7 phage)
- R01GM-15881-14 Enzymatic excision and repair mechanism
- R01GM-16213-07 Some novel synthesis of oligonucleotides
- ** R01GM-16927-06 Conformational studies of DNA block copolymers
- P01GM-17702-05 0008 Human biochemical genetics - Biochemistry of mammalian intracellular nucleases (human)
- R01GM-18079-03 RNA synthesis during differentiation (Drosophila)
- R01GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
- ** R01GM-18649-16 Enzymatic synthesis of precursors of DNA (yeasts, bacteria)
- ** R01GM-18831-03 DNA maintenance systems (fungi)
- ** R01GM-19010-03 DNA repair in Escherichia coli and Bacillus subtilis
- ** R01GM-19122-03 Enzymatic mechanisms of DNA synthesis (E coli)
- ** R01GM-19374-03 Episomal and chromosomal DNA replication (bacteria)
- R01GM-19719-02 Control of cell division (human, mice)
- ** R01GM-19789-02 Molecular structure of mammalian DNA polymerases (rats)
- R01GM-20361-01 Recombination proficiency in Drosophila melanogaster
- ** R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
- R01GM-21070-01 Control of DNA replication in animal cells and virus
- R01GM-21095-01 DNA metabolism in eukaryotes (green algae)
- R01GM-21243-01 Gene mapping by a molecular approach (rabbit)
- ** R01GM-21397-01 Enzymological and genetic studies of DNA polymerases
- R01GM-21421-01 Stability of steady states in nucleic acid synthesis
- R01GM-21422-01 Error correction in replicating T4 bacteriophage
- ** R01GM-21747-01 Novel inhibitors of a DNA replicase
- R01HD-03326-07 0002 Effects of early nutrition on growth and development - Genetic studies (human)
- R01HD-05506-04 Hormonal regulation of growth and differentiation (rats, human)
- P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- R01HD-07195-02 Nutrition and cell growth (rats)
- P01HL-06374-14 0004 Expansion of research in a hematologic center - Biochemistry of leukemic transformation (human)
- P17HL-14177-04 0006 Center for prevention and treatment of atherosclerosis - Nucleic acid synthesis in hyperlipemia (swine)

NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES, RNA DIRECTED

- R01AI-10136-03 Pathology and pathogenesis of host versus graft disease (mice)
- R01AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
- R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- P01CA-02332-20 0001 Clinical and laboratory studies of normal and abnormal growth - Detection of leukemia viruses (mice, human)
- P01CA-02332-20 0006 Clinical and laboratory studies of normal and abnormal growth - Molecular hybridization (mammals)
- ** P01CA-08748-09 6608 Research program of Sloan-Kettering Institute - Product of reverse transcriptase in normal and cancerous cells (E coli)
- ** P01CA-08748-09 6610 Research program of Sloan-Kettering Institute - Properties of endogenous reverse transcriptase (human)
- ** R01CA-08800-08 Mechanisms of drug inhibition of human leukemic cells (rats, human)
- P01CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
- P01CA-10815-06 0042 Consolidated basic cancer research program - Phylogenetic limits of oncogenes (mammals, birds, reptiles, fish, insects)
- ** P01CA-11405-06 0006 Core program on etiology of cancer - Anti-reverse transcriptase effect of streptoviricins and derivatives
- P01CA-11405-06 0017 Core program on etiology of cancer - Induction of RNA tumor viruses by nuclei acid analogs (human, mammals)
- R01CA-12386-03 Development of lymphoma in the thymus (mice)
- R01CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
- P01CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
- P02CA-12924-03 0034 Tufts cancer research center - DNA-dependent RNA polymerases in normal and malignant cells (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PO1CA-14193-02 0009 Comparative leukemia studies unit - Detection of RadL_v or genome in lymphoma (tissue culture, rats)

PO1CA-14193-02 0010 Comparative leukemia studies unit - Virion proteins

RO1CA-14226-02 Malignant transformation of DNA inhibitors (mice)

PO1CA-14733-02 0001 Control of gene expression, virus replication and cell growth - Interferon-mechanism of action

** RO1CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncornaviruses

PO1CA-14801-02 0003 Chemotherapy and regulation of oncogenic viruses - Friend virus and murine erythroid precursor cell differentiation (mice)

PO1CA-14801-02 0012 Chemotherapy and regulation of oncogenic viruses - Antiviral agents and immunotherapy in murine leukemia

** RO1CA-14828-01 0005 Molecular mechanisms in carcinogenesis - RNA-instructed DNA polymerases and other nucleic acid polymerases (rats)

RO1CA-14894-01 Anthracyclines

R26CA-14926-02 Ultrastructure of normal and neoplastic urothelium (human)

R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)

RO1CA-15360-01 Carcinostatic agents-Mechanisms of action (rats)

R26CA-15417-02 Viruses and virus-like particles in prostatic tumors (human)

R26CA-15438-02 Oncogenic viruses in human prostate cancer

RO1CA-15464-02 The structure and replication of tumor virus RNA

R26CA-15502-01 Virology in prostatic tissue and fluids (human)

R26CA-15551-01 Virology and immunology of cancer of the human urothelium

PO1CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)

PO1CA-16038-01 0002 Program on the molecular basis of viral transformation - Evidence of oncornavirus in milk and risk of breast cancer

** RO1CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells)

RO1CA-16879-01 Viral oncogenesis

** NO1CM-12275-03 Studies on reverse transcriptase in RNA tumor viruses

NO1CP-23234-02 Development of a tissue culture transformation system (rats)

NO1CP-33258-02 Replication of oncogenic RNA viruses and relation to human cancer

** NO1CP-33348-02 Study the leukemia virus DNA polymerase

NO1CP-33365-02 Molecular virology studies of human leukemias

NO1CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma

** NO1CP-43287-00 Correlation of molecular virology to diagnosis of breast cancer

** NO1CP-43359-01 Study of oncogenesis

P10ES-00210-07 0019 Center for environmental management - Environmental chemicals and tumor virus expression-induction (rabbits)

RO1GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)

** PO1GM-14552-08 0008 Normal and abnormal cell growth multidiscipline study - Synthesis of abnormal globin chains (human)

RO1GM-18586-03 Nucleotide sequencing methods for oncogenic viruses

PO1GM-19443-03 0043 Problems in clinical genetics - Oncogenic human viruses

RO1GM-20055-01 Membrane synthesis and sporulation (*Bacillus subtilis*)

RO1GM-21351-01 Gene expression in cell organelles (Euglena)

NUCLEOTIDYLTRANSFERASES, LUCIFERASE

** RO1GM-18637-03 Thermodynamic studies of protein reactions-Luciferase bacteria)

** RO1GM-19163-01 Applications and mechanisms of bacterial bioluminescence

NUCLEOTIDYLTRANSFERASES, MANNOSE-1-PHOSPHATE GUANYLYLTRANSFERASE

PO1CA-14733-02 0017 Control of gene expression, virus replication and cell growth - Ribosomal proteins and protein elongation factors (mammals)

NUCLEOTIDYLTRANSFERASES, POLYNUCLEOTIDE NUCLEOTIDYLTRANSFERASE

RO1CA-12447-04 Biological and physical action of radiation on DNA (bacteria)

NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

RO1AI-01466-18 Structure of biological macromolecules (viruses)

RO1AI-08057-06 Macromolecular aspects of spore germination (fungi)

RO1AI-08573-07 0004 Genetics of lambda prophage - Regulation of the biotin operon

RO1AI-08722-06 Molecular studies on phage P2 and its satellite, P4

** RO1AI-10142-04 Factors that control RNA transcription (bacteria, bacteriophage)

RO1AI-10619-03 A protein with repressor-like properties (bacteriophage, bacteria)

RO1AI-10650-03 Molecular aspects of transcription (antibiotics)

RO1AI-10884-03 and assembly

RO1AI-11614-01 Influenza virus structure, biosynthesis, and protein synthesis

RO1AI-11622-01 Influenza viral RNA and protein synthesis in vitro

RO1AI-11622-01 The function of mitochondria in trypanosomes

RO1AI-11648-01 Adenovirus gene expression in vitro and in vivo (E coli)

RO1AI-11730-01 Regulation of meiosis and ascus development in yeast

RO1AI-11741-01 Proteins of measles and canine distemper viruses

RO1AI-11772-01 Replication of influenza virus (rabbits)

** RO1AI-11868-01 Regulatory mechanisms in virus development

RO1AI-11886-01 Genetic and biochemical analysis of the interferon system (viruses)

RO1AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the coli - Macromolecular synthesis (mice, human, E coli, virus)

RO1AI-12132-01 Regulation of transcription in virus infected cells

RO1AI-12133-01 Viral induced changes in replication and transcription

RO1AM-01506-17 Effect of thiozuanine on mitochondria (rats)

PO1AM-09001-10 0039 Biochemistry and immunology of blood diseases - Determination of nucleotide sequence by dinucleotide assay

PO1AM-09001-10 0050 Biochemistry and immunology of blood diseases - Role of c-AMP on mammalian RNA synthesis (rats)

RO1AM-10785-18 Abnormal nucleic acids in aplastic anemia (cattle)

RO1AM-11949-07 Mechanisms of arthritis (human, rabbits)

RO1AM-14882-04 Chemical pathology of lesions produced by ethionine (rats, guinea pigs)

RO1AM-15467-03 Transfer RNA and hemoglobin synthesis-rRNA methylation (human, rabbits)

RO1AM-16636-02 Metabolic effects of thyroid hormones in cell culture (cattle, rats)

RO1AM-16702-02 Role of erythropoietin in transcriptional control (mice)

PO1AM-16716-01 0019 Pathophysiological bases of muscle diseases - Protein synthesis in experimental ventricular hypertrophy (guinea pig, cat, dog)

RO1AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)

RO1CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)

RO1CA-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)

** PO1CA-02332-20 0019 Clinical and laboratory studies of normal and abnormal growth - Glucocorticoid regulation of hepatic transcription (rats)

PO1CA-02332-20 0046 Clinical and laboratory studies of normal and abnormal growth - AAF carcinogenesis

RO1CA-02897-18 Study of steroids and growth (rats)

RO1CA-03571-17 Enzyme biosynthesis and regulation-Urea biosynthesis (frogs)

** RO1CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)

** PO2CA-06516-12 0026 Cancer center support grant-Coverprehensive - Detection of sub infections RNA tumor virus gene expression

** PO2CA-06519-12 0078 Radiation therapy and biology research program - Transcriptional control of differentiation (*dictyostelium discoideum*)

PO2CA-06519-12 0101 Radiation therapy and biology research program - Enzymology of phage T7 RNA synthesis

** PO2CA-06519-12 0102 Radiation therapy and biology research program - Mapping of a promoter site for T7 RNA polymerase

** PO2CA-06519-12 0104 Radiation therapy and biology research program - Regulation of developmental patterns in *D. discoideum*

** PO2CA-06519-12 0107 Radiation therapy and biology research program - Isolation and characterization of an RNA polymerase binding site

RO1CA-06999-11 Metabolic changes induced by tumor virus (human)

** PO1CA-07175-11 0020 Cancer research at the Mc Ardlo laboratory - RNA polymerase and gene expression

RO1CA-08373-09 Factors controlling cellular proliferation (mice)

PO1CA-08748-09 6702 Research program of Sloan-Kettering Institute - Semlika Forest Virus studies-RNA synthesis in infected hamster kidney cells

** PO1CA-08748-09 6914 Research program of Sloan-Kettering Institute - RNA-dependent DNA polymerase for antibody production (mice, cats, monkeys)

RO1CA-10665-07 Base analogs and template activity (bacteria)

RO1CA-10666-07 0005 Molecular pharmacology of tumor and virus inhibitors - Gliotoxin and related compounds (polio virus)

RO1CA-10666-07 0006 Molecular pharmacology of tumor and virus inhibitors - Hydroxybenzylbenzimidazole

PO1CA-10893-06 0009 Cancer Research Center - Modifications of mammalian DNA (rats)

PO1CA-10893-06 0018 Cancer Research Center - RNA viruses (rats, mice)

** RO1CA-11262-06 Altered components of protein synthesis (bacteria, viruses)

RO1CA-11981-04 Synthetic and biological studies of nucleic acids (yeast, E coli, bacteriophage)

RO1CA-12073-04 Chromatin in normal and pathological liver cells (rats)

PO1CA-12174-04 0007 Growth and cell control processes - Initial product synthesized by DNA polymerase of tumor viruses

** PO1CA-12174-04 0021 Growth and cell control processes - Products of nuclear RNA polymerases in HeLa cells (human)

** RO1CA-12210-14 Cellular control mechanisms (mammals)

PO1CA-12227-04 0025 Core program in carcinogenesis - Inhibition of RNA synthesis by ethionine in rat liver (also human)

RO1CA-12229-05 Biochemistry of regulatory processes in synchronized cells (HeLa, rats)

RO1CA-12410-04 Role of mitochondria and cancer (yeast, E coli)

RO1CA-12427-03 Amino acid control of RNA synthesis (bacteria)

RO1CA-12503-04 Neoplastic growth and cell cycle control (mice)

RO1CA-12627-05 Polynucleotides and nucleic acids (bacteria)

** RO1CA-12711-03 Soluble mammalian RNA polymerase (mice, friend virus)

RO1CA-12784-03 Circular DNA-Implications for cancer and drug resistance

RO1CA-12809-03 Protein initiation in a model mammalian cell-free system (chick embryo)

** PO2CA-12924-03 0034 Tufts cancer research center - DNA-dependent RNA polymerases in normal and malignant cells

PO1CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section

PO1CA-13106-03 0003 Cold Spring Harbor laboratory cancer research center - Electron microscopy section

PO1CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section

PO1CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)

RO1CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)

RO1CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)

** PO1CA-13330-03 0036 Cancer research program - Mechanism and regulation of gene transcription (bacteria)

PO1CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)

PO1CA-13330-03 0042 Cancer research program - Avian myeloblastosis reverse transcriptase (mice, human)

PO1CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)

** PO1CA-14097-02 0007 Cancer research program-Viruses; control mechanisms - Biochemical and genetic studies on temperate phages

RO1CA-14100-02 The viral etiology of cancer (mice, rats)

PO1CA-14193-02 0010 Comparative leukemia studies unit - Virion proteins

** RO1CA-14406-02 DNA-dependent RNA polymerases in normal and malignant cells, (mice)

RO1CA-14620-02 Mechanisms of oncogenic virus gene expression (rabbits)

** RO1CA-14674-02 Involvement of bacterial RNA polymerase in crown gall (broad bean)

** PO1CA-14733-02 0019 Control of gene expression, virus replication and cell growth - Mutagenic DNA and RNA polymerase in phage T4

** RO1CA-14787-01 Transcription and translation of tumor virus RNA

RO1CA-14894-01 Drugs preventing oncoma virus cancers-Anthracyclines

RO1CA-14904-02 The role of the hyperplastic liver nodule in carcinogenesis (rats)

RO1CA-14920-02 Acidic chromatin proteins and carcinogens (rats, chickens)

RO1CA-14987-01 Mechanism of cortisol-induced lymphoma regression

RO1CA-15062-01 Normal and cancerous prostate (human, rats)

PO1CA-15655-01 0023 Cancer center support grant - rRNA metabolism during contact inhibition (sea urchins)

RO1CA-15905-01 Ribosomal RNA synthesis in normal and cancer cells

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

PO1CA-16038-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
 PO1CA-16038-01 0010 Program on the molecular basis of viral transformation - Control of transcription and translation (bacteriophage)
 RO1CA-16181-01 Oncogenic DNA virus transcription in vitro
 RO1CA-16225-01 RNA polymerase from chicken and human leukemic cells
 PO1CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
 RO1CA-16266-01 Mechanism of AMV transcriptase inhibitors
 PO1CA-16359-01 0022 Cancer center support grant - Viral gene expression and transformation
 RO1CA-16890-01 Chemotherapeutic deoxyribonucleosides
 RO1CA-16959-09 Mengovirus replication in rat hepatoma cells
 NO1CB-23873-02 Breast cancer (rats)
 NO1CM-12339-05 Biochemical screening for anticancer agents
 NO1CP-81030-11 Etiology and epidemiology of human cancer
 P13DE-02731-08 0004 Development support for dental research institute - Dental pharmacology (human, rats, mice)
 RO1ES-00400-06 Microsomal enzymes (army worms, mammals)
 RO1ES-00505-08 Correlation of carcinogenicity and mutagenicity (yeast, viruses, rodents, human)
 RO1ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
 RO1GM-05365-17 Biological investigations with isotopes
 RO1GM-06920-15 Molecular structure of biologically active molecules
 ** PO1GM-06965-15 0068 Basic experimental biology - Dictyostelium discoideum form B RNA polymerase
 RO1GM-08968-13 Electron microscope studies of nucleic acid structures (flies, viruses)
 RO1GM-09320-13 Control of genome expression (bacteria)
 RO1GM-09396-13 Peptide antibiotics and bacterial sporulation
 RO1GM-09541-13 Role of ribonucleic acid in protein synthesis
 RO1GM-10067-12 Gene-enzyme relationships in Neurospora (also chickens, sea urchins, bacteria)
 ** RO1GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
 RO1GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)
 PO1GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
 PO1GM-11301-12 0006 Structure, function and biosynthesis of macromolecules - Control of gene expression during prokaryotic developmental processes (bacteria)
 ** RO1GM-11895-11 The mechanism of gene activation during development (microorganisms)
 RO1GM-12010-11 Enzymatic synthesis of nucleic acids (bacteria, viruses)
 RO1GM-12551-10 Molecular mechanisms of biological control (bacteria)
 ** RO1GM-12573-10 Mechanism of action of cytotoxic drugs
 RO1GM-12934-10 Synthesis of infectious bacteriophage particles
 RO1GM-13017-09 The chromosomal sites regulating operon expression (E coli)
 ** RO1GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
 RO1GM-15142-06 In vitro synthesis of RNA (T4 bacteriophage)
 RO1GM-15225-07 Structural analysis of biological macromolecules (bacteria, phages, yeast)
 RO1GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
 RO1GM-15401-06 Relation of structure to function of transfer RNA (bacteria)
 PO1GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
 RO1GM-15697-07 Molecular mechanisms of information transfer (E coli, T7 phage)
 RO1GM-16066-07 Nucleic acid chemistry and its biomedical application
 RO1GM-16213-07 Some novel synthesis of oligonucleotides
 RO1GM-16317-06 Enzymology and control of amino acid activation (rats, rabbits)
 ** RO1GM-16925-06 Structure and action of multisubunit enzymes (rabbits, E coli)
 RO1GM-18277-04 Action mechanism of arabinose C protein (bacteria)
 RO1GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
 RO1GM-18466-04 Solvent accessibility in proteins (bacteria, mammals)
 ** RO1GM-18568-02 Role of RNA polymerase in bacterial differentiation

RO1GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
 ** RO1GM-18673-03 RNA synthesis by Azotobacter vinelandii RNA polymerase
 RO1GM-18764-03 Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats)
 ** RO1GM-19062-03 Mechanism and regulation of gene transcription (E coli)
 ** RO1GM-19096-03 Molecular basis of differentiation (toads)
 RO1GM-19099-03 Functional sites on transfer RNA (E coli)
 PO1GM-19100-03 0018 Genetics research center - Developmental genetics (Caulobacter crescentus)
 PO1GM-19100-03 0020 Genetics research center - Characterization of nuclear DNA in yeast (S cerevisiae mutants)
 ** RO1GM-19147-03 Eukaryotic transcription by RNA polymerase (slime molds)
 ** RO1GM-19168-03 Role of RNA polymerase in bacterial differentiation
 ** RO1GM-19215-03 RNA polymerase in differentiation (slime mold)
 RO1GM-19351-03 Biosynthesis of transfer ribonucleic acid (E coli)
 ** RO1GM-19494-03 Molecular basis of gene expression in eukaryotes (viruses, cattle)
 PO1GM-19521-03 0005 Genetic study of mammalian control systems - Studies of early embryos (human, mice)
 ** RO1GM-19617-02 Genetics and physiology of developmental mutants (bacteria)
 ** RO1GM-19673-02 RNA polymerase in bacterial differentiation
 RO1GM-19937-02 Genic/molecular basis of imaginal disc morphogenesis (Drosophila)
 RO1GM-20230-02 Application of fluorescent nucleotide affinity probe (microorganisms)
 ** RO1GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
 RO1GM-20296-01 Polyribosomes in bacterial spores
 RO1GM-20470-02 Molecular mechanisms of intracellular integration (plants, bacteria)
 RO1GM-20483-01 Transcription of chromatin in vitro (rabbits)
 ** RO1GM-20485-01 Proteins involved in DNA replication (E coli)
 RO1GM-20641-01 Transcriptional control of bacterial cell development
 RO1GM-20664-01 Molecular regulation of cell growth in culture (peanut plant)
 RO1GM-20728-01 Regulatory factors of sporulation in Bacillus subtilis
 ** RO1GM-20755-01 Inhibitors of yeast RNA polymerases
 ** RO1GM-20784-01 Regulation of RNA synthesis (B. subtilis, phages)
 RO1GM-20813-01 Role of DNA in DNA, RNA and protein synthesis (bacteria, viruses, HeLa cells)
 ** RO1GM-21012-01 Mutations affecting RNA polymerases of mammalian cells (mice, human)
 RO1GM-21050-01 Molecular mechanism of control of gene function (bacteriophage, bacteria)
 ** RO1GM-21052-01 Mechanism and regulation of E. coli RNA polymerase
 RO1GM-21204-01 Transcription of chloroplast DNA of C. reinhardi
 RO1GM-21243-01 Gene mapping by a molecular approach (rabbit)
 RO1GM-21376-01 Transcriptional restriction in embryonic development (shrimp)
 RO1HD-03521-06 tRNA and the differential control of RNA synthesis (bacteria)
 RO1HD-03637-07 Aging and DNA-in vitro studies (mice, rats)
 PO1HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (Octopeltus, Pyrrhocoris, Drosophila)
 RO1HD-04072-06 Placental and fetal RNA metabolism (rats)
 RO1HD-04229-06 Cytoplasmic regulation in early cell differentiation (frogs)
 ** RO1HD-04617-06 Macromolecular modification on ontogeny and phylogeny (animals, microbes)
 ** RO1HD-04899-04 Biochemical aspects of gene regulation (rats, bacteria)
 RO1HD-05309-04 Gene transfer during differentiation and aging (human)
 ** PO1HD-05797-04 0018 Population and reproductive biology - Alterations of nucleolar and extranucleolar RNA polymerase (rats, chickens)
 PO1HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
 PO1HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
 PO1HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
 ** PO1HD-07495-02 0006 Center for population research, studies in reproductive biology - RNA polymerase regulation in tissues for reproductive hormones (rats, chickens)
 RO1HD-07625-01 Control of transcription in aging animals (mice)
 RO1HD-08192-02 Mechanism of action of estrogens (rats)

** RO1HD-08450-01 RNA polymerases during cellular differentiation (insects)
 PO1HL-06285-14 0179 Cardiovascular-respiratory physiology and biochemistry - Regulation of myocardial cell growth (rats)
 PO1HL-08805-10 0007 Cardiovascular and pulmonary performance - Biochemical and cellular mechanisms of cardiac hypertrophy (hamsters)
 RO1HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
 RO1MH-24244-01 Effects of psychotropic drugs on brain nuclear RNA (rats)
 POINS-06663-08 0022 Cerebrovascular clinical research center - Nerve chemical changes in cerebral ischemia (rabbits)
 RO1NS-08947-05 Metabolic studies on neurotoxins (rodents, plants)
 ** RO1NS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)
 RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)

NUCLEOTIDYLTRANSFERASES, UTP:ALPHA-D-GALACTOSE-1-PHOSPHATE URIDYLTRANSFERASE

SEE ALSO METABOLIC DISORDERS INBORN, GALACTOSEMIA
 ** RO1AM-10894-08 0002 Genetic metabolic diseases of infancy and childhood - Metabolism of galactose in liver and intestine (rats)
 ** RO1AM-10894-08 0003 Genetic metabolic diseases of infancy and childhood - Developmental and other regulatory aspects of galactose pathways (rats)
 RO1AM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli)
 RO1AM-14755-04 Diagnosis and therapy of Gauchers disease (human, rats, rabbits)
 ** RO1AM-16709-02 Structure-function of GAL-1-P04 uridyl transferase (human)
 PO1GM-18153-04 0015 Gene control of mammalian cell differentiation - Regulation of enzymes of the Leloir pathway in human diploid cells
 PO1GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
 RO1HD-00588-12 Biochemical genetics of cultured human cells (also rodents)
 ** RO1HD-04861-05 Incidence of fetal errors of galactose metabolism (human)

NUCLEUS-CYTOPLASM VOLUME RELATIONSHIPS
 SEE CELL VOLUME

NUMBER SENSE
 SEE PSYCHOLOGY, COGNITION, NUMBER SENSE

NURSE PRACTITIONERS
 SEE HEALTH SCIENCES PROFESSIONS, NURSE PRACTITIONERS

NURSERY
 SEE HOSPITALS, NURSERY

NURSES
 SEE HEALTH SCIENCES PROFESSIONS, NURSES

NURSES, PUBLIC HEALTH
 SEE HEALTH SCIENCES PROFESSIONS, NURSES PUBLIC HEALTH

NURSING
 SEE HEALTH SCIENCES PROFESSIONS, NURSES

NURSING EDUCATION
 SEE EDUCATION, HEALTH OCCUPATIONS, NURSING

NURSING HOMES
 SEE HEALTH CARE FACILITIES, NURSING HOMES

NURSING IN PATIENT CARE REVIEW COMMITTEE

RO2NU-00308-05 Long-term effects of an experimental nursing process
 RO2NU-00347-05 Research development program
 ** RO2NU-00361-05 Research development-Center for nursing research (human)
 ** RO2NU-00366-04 Research development program (human)
 R21NU-00370-04 Nursing with chronically ill psychiatric outpatients (human)
 RO2NU-00383-03 Research development project (human)
 RO2NU-00401-03 A study of the communicative interaction process (human)
 RO2NU-00413-02 Structural effects on nursing practice (human)
 RO2NU-00415-03 Regional program for nursing research and development
 RO2NU-00423-02 Nurse autonomy and patient welfare
 RO2NU-00427-03 Nursing research development project
 RO2NU-00434-02 Upper extremity positioning of stroke patients
 RO2NU-00437-03 Endotracheal cuff management (dogs)
 RO2NU-00443-02 Study of US cadet nurse corps
 RO2NU-00444-02 Nursing care in prevention of bed sores
 RO2NU-00455-02 Experimental trials of the nursing process (dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

R02NU-00463-02 A care-cure problem-Dying in teaching hospitals

NURSING ONCOLOGY

SEE HEALTH SCIENCES PROFESSIONS, NURSING ONCOLOGY

NURSING RESEARCH AND EDUCATION ADVISORY COMMITTEE (BHME)

- ** R02NU-00343-05 School of nursing research development grant
- ** R02NU-00347-05 Research development program
- ** R02NU-00369-04 Action program in nursing research facilitation
- ** R21NU-00370-04 Nursing with chronically ill psychiatric outpatients (human)
- ** R02NU-00376-04 Commune health education (young adults)
- ** R02NU-00405-03 A descriptive study of the patient-hospital interface (human)
- ** R02NU-00408-03 Improving quality care through performance ratings
- ** R02NU-00415-03 Regional program for nursing research and development
- ** R02NU-00426-03 Information disclosures in nurse practice settings
- ** R02NU-00427-03 Nursing research development project
- ** R02NU-00430-03 Altering patients responses to threatening events
- ** R02NU-00434-02 Upper extremity positioning of stroke patients
- ** R02NU-00444-02 Nursing care in prevention of bed sores
- ** R02NU-00455-02 Experimental trials of the nursing process (dogs)
- R02NU-00457-02 Nursing care and management of pain in patients
- ** R02NU-00470-01 Primary care nursing in the emergency room
- ** R02NU-00473-02 Evaluation of dry surface electrodes (human)
- ** R02NU-00475-01 Faculty research
- ** R02NU-00483-01 Control of shivering during hypothermia (human)
- ** R02NU-00485-01 Nurses' physiological rhythms and mental efficiency
- ** R02NU-00494-01 Post baccalaureate nursing careers, a follow-up study
- ** R02NU-00497-01 Nurses' inferences of suffering
- ** R02NU-00498-01 Impact of FNP and PA on the practice of family medicine
- ** R02NU-00500-01 Research facilitation project
- ** R02NU-00503-01 Research Development project
- ** R02NU-00505-01 Reality shock and conflict resolution in neophyte nurses
- ** R02NU-00508-01 City of Hope nursing research development grant
- ** R02NU-00510-01 Preparation and hospitalized children's adjustment
- ** R02NU-00514-01 Primary health care to elderly by nurse practitioners

NURSING SCHOOLS

SEE EDUCATION, HEALTH OCCUPATIONS, NURSING

NUTRIENT DEFICIENT MEDIA

SEE GROWTH MEDIA, DEFICIENT

NUTRIENT INTAKE ACTIVITY (GENERAL)

- N01AA-40034-00 The drinking habits of teenagers in New York and Rome
- R01AM-04679-14 Blood flow and absorption in the ruminant stomach (cattle)
- R01AM-13131-07 Control of pancreatic protein synthesis and secretion (pigeons, rats)
- ** R01AM-16933-02 Glucostatic control of food intake (rats)
- R01CA-14125-01 A mathematical model for quantitation of cancer cells (mice)
- R01CA-14758-01 The ultimobranchial body and thyroid tumors (rats, birds)
- NO1CP-43307-00 Studies of mammalian cell transport systems
- R01DA-00828-01 Psychobiological causes of opiate addiction (mice)
- R01HD-01182-12 Ovarian-hypothalamic-hypophyseal axis (rats)
- ** P01HD-02274-08 0161 Mental retardation and child development - Children with Prader-Willi syndrome
- P01HD-02274-08 0163 Mental retardation and child development - Feeding skills and nutrient intake in Down's syndrome
- P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- R01HD-06465-02 Intestinal absorption and fetal growth retardation (human, rats)
- ** P01HL-10098-10 0025 Primates in cardiovascular research - Hypertension
- P17HL-14230-04 0008 Lipids, atherosclerosis and thrombosis - High carbohydrate, fat-free diet and serum lipids (human)
- P17HL-14230-04 0009 Lipids, atherosclerosis and thrombosis - Normal cholesterol and hypercholesteremia in men

- R01MH-06211-12 Postoperative recovery mechanisms and retention (rats)
- R03MH-22608-01 Mouth fluid environment and taste preference (rats)
- R03MH-24392-01 (human)
- ** R01NS-03266-13 Neural mechanisms of sensory modalities (cats, rats)
- R01NS-08947-05 Metabolic studies on neurotoxins (rodents, plants)
- R01NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
- R01NS-11616-02 Study of olfaction in the rat
- P07RR-00015-12 0072 Medical school computer facility - Analysis of meal patterns by digital computer (rats)
- ** M01RR-00039-14 0094 General clinical research center - Elemental balances during intravenous hyperalimentation (human)
- ** M01RR-00044-14 0071 General clinical research center - Regulation of food intake in man
- ** M01RR-00058-13 0047 General clinical research center - Total gastrectomy (human)
- M01RR-00073-12 0059 General clinical research center - Antacid modification of serum gastrin response to eating (human)

NUTRIENT INTAKE ACTIVITY, APPETITE

SEE ALSO BRAIN, APPETITE REGULATORY CENTERS

SEE ALSO NUTRIENT INTAKE DISORDERS, APPETITE

DISORDERS

- R01AM-02911-15 Metabolic aspects of obesity (mice)
- R01AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
- ** R01AM-16217-02 Obesity and the regulation of appetite (monkeys)
- P17AM-17624-01 0009 Obesity center - Rate and composition of weight loss as influenced by diet (human)
- P01GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
- R01HD-05668-03 Effect of overcrowding malnutrition on growth (rats)
- R01HD-07649-01 Behavioral effects of early malnutrition in monkeys
- R10MH-03030-15 Improved clinical screening of phenotropic drugs (human)
- R01MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
- R01MH-22319-02 External and internal factors in food regulation

NUTRIENT INTAKE ACTIVITY, APPETITE

DEPRESSANTS

SEE ALSO NUTRIENT INTAKE DISORDERS, APPETITE

DISORDERS, ANOREXIA

- ** R01AM-17427-01 Anorexic substance in urine (rats, human)
- P17AM-17624-01 0001 Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
- ** P17AM-17624-01 0010 Obesity center - Thyroid hormones and beta adrenergic blockade in obesity treatment (human)
- R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- R01MH-22319-02 External and internal factors in food regulation
- ** M01RR-00060-13 0062 General clinical research center - Tenuate in treatment of obesity (human)

NUTRIENT INTAKE ACTIVITY, BREAST FEEDING

- P01AI-07007-09 0006 Immunopathologic studies - Search for viruses in immunologic diseases (human, dogs)
- R01AM-14531-04 Metabolism of the developing small intestine (rats)
- R01CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
- R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- P01CA-14801-02 0007 Chemotherapy and regulation of oncogenic viruses - EM of virus in witch's milk from nursing infants (human, monkeys)
- NO1CP-33347-05 High risk breast cancer families (human)
- ** P01DE-01697-12 0008 Interdisciplinary studies in cleft palate - Feeding studies (human)
- P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- P01GM-17184-05 0009 Hereditary variations in man which modify drug toxicity - Developmental pharmacology
- P01HD-02147-08 0004 Extrauterine growth and development - Intestine (human, mice)
- R22HD-03942-07 Nutrition and development of children in rural areas (Mexico)
- ** R01HD-04358-15 Neural and hormonal regulation of lactation (rats)

NUTRIENT INTAKE ACTIVITY, DRINKING

BEHAVIOR (WATER)

SEE ALSO ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION

SEE ALSO BRAIN, DRINKING REGULATORY CENTERS

- N01AA-40013-00 alcoholism
- R01AM-16237-01 Acclimation to water restriction (mice)

- R01AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)
- R01GM-20327-01 Factors influencing gastrointestinal drug absorption (human)
- R01HD-00941-10 Determinants of amount of reinforcement (rats, guinea pigs, cats)
- R01HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
- R01HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
- R01HD-08504-01 Ontogeny of reactivity to dipsogenic stimuli (rats)
- P01HL-10342-09 0021 Cardiovascular, pulmonary, and behavioral studies - Regulation of systemic, pulmonary, and coronary circulation (dogs)
- ** R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
- R01MH-01475-16 Brain mechanisms in learning and response modulation (rats)
- ** R01MH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
- R01MH-04920-12 Circadian patterns of normal and pathological functions (rats)
- ** R01MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
- R01MH-10316-11 The free behavior situation (rats)
- ** R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
- P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- R01MH-19438-04 0006 Neurochemistry of obesity and learned taste aversions - Effect of drug treatment of hypothalamus on behavior (rats)
- ** R01MH-21563-02 Hypothalamic regulation of ingestive behavior (rats)
- R03MH-25144-01 Brain mechanisms and memory (rats)
- R03MH-25284-01 Blockade of hypothalamic behavior with midbrain lesions (rats, mice)
- ** R03MH-25345-01 Analysis of hormonal mediation of drinking behavior (mammals)
- ** R01MH-26251-01 CNS regulation of eating and drinking behavior (rats)
- ** R01NS-03469-13 Neurological bases of feeding and drinking (rats)
- ** R01NS-09140-04 Internal sensing systems and drinking behavior (rats)
- ** R01NS-10150-03 Neural systems of ingestive behavior (rats)
- ** R01NS-10768-02 Subfornical organ control of drinking behavior (rodents, rabbits)
- R01NS-10970-02 Limbic neurons (rats)
- R01NS-11671-01 Does experience help lateral hypothalamic recovery (rats, cats)
- M01RR-00240-10 0118 General clinical research center-Children - Fluid deprivation and pitressin stimulation test

NUTRIENT INTAKE ACTIVITY, FEEDING (EATING)

BEHAVIOR

SEE ALSO NUTRIENT INTAKE DISORDERS, APPETITE

DISORDERS, OVEREATING

- R01AA-00231-05 Alcohol intoxication and dependence in animals (monkeys, dogs, rats)
- R01AI-08477-05 Alimentary canal of Aedine mosquitoes
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- ** R01AM-12479-07 Hypothalamic regulation of food intake (mice)
- ** R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
- ** R01AM-15511-03 Hypothalamic control of body weight and feeding (rats, squirrel)
- ** R01AM-15847-04 Metabolic and enzymatic effects of meal feeding (rats)
- ** R01AM-16217-02 Obesity and the regulation of appetite (monkeys)
- R01AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
- R01AM-16617-02 Bile acid and lecithin reabsorption from primate bile (owl, monkeys, baboons)
- R01AM-16673-02 Factors controlling lipogenic activation and inactivation (mice)
- R01AM-16816-01 Gastric acid secretion and buffer content after eating
- ** P17AM-17047-01 0005 Diabetes-endocrinology research center - Computerized study of feeding behavior (human)
- R01AM-17112-02 Neural control of insulin secretion (rats, dogs)
- R01AM-17157-01 Medial hypothalamic regulation of feeding behavior (rats)
- R01AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)
- R01AM-17240-01 Physiological mechanisms of satiety (rats, monkeys)
- ** R01AM-17259-01 Body nutrient reserves and feeding behavior (rats, mice)
- ** P17AM-17624-01 0001 Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
- ** P17AM-17624-01 0008 Obesity center - Hormonal responses to food related cues in lean and obese subjects (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
- P01CA-12707-03 0003 Cancer epidemiology program grant - Stomach cancer (human)
- ** R23DE-03806-01 Physiology of feeding in miniature pigs
- R01GM-20327-01 Factors influencing gastrointestinal drug absorption (human)
- ** R01HD-00941-10 Determinants of amount of reinforcement (rats, guinea pigs, cats)
- R01HD-00942-12 Animal behavior in field and laboratory environments (kangaroo rats, *Peromyscus*)
- ** P01HD-02274-08 0163 Mental retardation and child development - Feeding skills and nutrient intake in Down's syndrome
- R01HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
- P01HD-03144-07 0012 Development of culturally deprived children - Language, social and preacademic skills in community day-care center
- R01HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
- R01HD-06781-03 Taste sensitivity in the human infant
- ** R01HD-07033-02 Effect of aging on chemoreceptor sensillia (flies)
- R01HD-07043-01 Pheromonal communication (rats, mice)
- P01HD-07578-01 0002 Growth and nutrition of normal infants - Effects of dietary composition on food consumption and growth (human)
- R01HD-08958-01 Growth and diet in vegan and omnivore children
- ** P01HL-09814-09 0025 Research program- Cardiovascular and related disease - Correlation between patterns of food use and biological variables (human)
- P01HL-10342-09 0021 Cardiovascular, pulmonary, and behavioral studies - Regulation of systemic, pulmonary, and coronary circulation (dogs)
- P17HL-14174-04 0006 Atherosclerosis behavioral and epidemiological studies - Behavioral component (human)
- ** R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
- ** R01MH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
- R01MH-03372-15 0042 Neural mechanisms in behavior - Involvement of chick forebrain in appetitive discrimination learning
- R01MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
- R01MH-04920-12 Circadian patterns of normal and pathological functions (rats)
- ** R01MH-08366-11 Neural control of avian feeding behavior (pigeons)
- R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- ** R01MH-08909-11 Physiological regulation of body weight (rats)
- ** R01MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
- ** R01MH-10179-09 Regulation of food intake (monkeys)
- R01MH-10316-11 The free behavior situation (rats)
- ** R01MH-13958-07 Brain mechanisms related to feeding behavior (cats)
- R01MH-14594-05 Neurobehavioral functions of the limbic systems (rats, monkeys)
- ** R01MH-15455-06 Viscero-endocrine responses to amygdala activity (monkeys)
- ** R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
- R01MH-15707-07 Perception and behavior (reptiles)
- P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- R01MH-16345-06 Ecology and evolution of altruism (jays)
- R01MH-18332-05 Temporal organization in behavior and development (human)
- ** R01MH-19438-04 0001 Neurochemistry of obesity and learned taste aversions - Hypophysectomy in gold thioglucose treated mice (and rats)
- ** R01MH-19438-04 0002 Neurochemistry of obesity and learned taste aversions - Peripheral and endocrine influences on changes in feeding (rats)
- ** R01MH-19438-04 0003 Neurochemistry of obesity and learned taste aversions - Noradrenergic feeding and satiety in genetically obese rats (and mice)
- R01MH-19438-04 0006 Neurochemistry of obesity and learned taste aversions - Effect of drug treatment of hypothalamus on behavior (rats)
- R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships
- R01MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
- ** R01MH-20811-03 Affective consequences of brain stimulation (rats)
- ** R01MH-21563-02 Hypothalamic regulation of ingestive behavior (rats)
- ** R01MH-22319-02 External and internal factors in food regulation
- R01MH-23254-01 Neuronal substrates of choice and learning (gastropods)
- R01MH-23645-02 0002 Behavior-hormone changes in adolescence - Aggression, submission and reassurance (chimpanzee)
- R01MH-24131-01 GI pathology in the rat following HTH lesions of ICS (rats)
- ** R03MH-24382-01 Neural control of feeding (crayfish)
- ** R03MH-25057-01 Frustration, partial reinforcement and brain lesions (rats)
- R03MH-25284-01 Blockade of hypothalamic behavior with midbrain lesions (rats, mice)
- R03MH-25341-01 Effects of hypoxia on brain monoamines and behavior (rats)
- R03MH-25660-01 Hypothalamic control of sensorimotor functions (rats)
- ** R01MH-26251-01 CNS regulation of eating and drinking behavior (rats)
- ** R01NS-01941-16 Neurophysiology of food intake (rodents)
- ** R01NS-03469-13 Neurological bases of feeding and drinking (rats)
- ** R01NS-07687-07 Hunger, thirst and water metabolism (rabbits)
- R01NS-09696-04 Neural control of discrete behavioral processes (snails)
- R01NS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
- ** R01NS-10150-03 Neural systems of ingestive behavior (rats)
- ** R01NS-10605-01 Sensory control of feeding (black blowfly)
- ** R01NS-10757-03 Behavioral and neural analysis of learning (*Aplysia*)
- R01NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
- R01NS-10970-02 Limbic neurons (rats)
- R01NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
- ** R01NS-11671-01 Does experience help lateral hypothalamic recovery (rats, cats)
- ** R01NS-12040-01 Sensory control of feeding
- M01RR-00102-11 0004 General clinical research center - Behavioral and metabolic studies of obesity (human)
- M01RR-00287-08 0005 General clinical research center - Glucose homeostasis in diabetics (human)
- M01RR-00645-03 0035 Clinical research center - Prolactin (human)
- NUTRIENT INTAKE ACTIVITY, HUNGER**
- SEE ALSO NUTRITION, DIET, FASTING
- SEE ALSO NUTRITIONAL ABNORMALITIES, STARVATION
- R01AA-00299-03 Variables related to ethanol self-administration (rats, monkeys)
- ** R01AM-17157-01 Medial hypothalamic regulation of feeding behavior (rats)
- R01AM-17240-01 Physiological mechanisms of satiety (rats, monkeys)
- R01AM-17259-01 Body nutrient reserves and feeding behavior (rats, mice)
- P17AM-17624-01 0001 Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
- R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- R01HD-03719-10 Metabolic and behavioral studies of human obesity
- R01HD-03778-06 The development of social motivation (dogs)
- R01MH-15976-05 0001 Stress and mechanisms of immunity - Cellular and humoral aspects of antibody formation and graft vs host response (r)
- R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- R01MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
- R01MH-23607-02 Experimental masochism and allied phenomena (rats)
- R01MH-24114-01 Chemistry of reward and related behaviors
- ** R03MH-25945-01 The satiation of hunger (rats)
- ** R01NS-07687-07 Hunger, thirst and water metabolism (rabbits)
- NUTRIENT INTAKE ACTIVITY, SALT INTAKE**
- SEE ALSO NUTRITION, DIET THERAPEUTIC, SALT RESTRICTED
- ** P17HL-14230-04 0076 Lipids, atherosclerosis and thrombosis - Hypertension in childhood (human)
- M R01HL-16531-01 Clinical cardiology-Emphasis hypertension
- R01HL-16531-01 0001 Clinical cardiology-Emphasis hypertension - Hypertension proneness-Long term study of risk factors in young black americans
- ** R01MH-25140-01 Homeostatic origins of motivation (rats)
- ** M01RR-00054-13 0067 General clinical research center - Effect of salt loading on salt excretion (human)
- NUTRIENT INTAKE ACTIVITY, THIRST**
- R01AA-00299-03 Variables related to ethanol self-administration (rats, monkeys)
- R01AM-13182-05 Behavioral determinants of water-electrolyte status (rats)
- R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- ** R01HD-08504-01 Ontogeny of reactivity to dipsogenic stimuli (rats)
- R01MH-01475-16 Brain mechanisms in learning and response modulation (rats)
- R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- R01MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
- R01MH-24114-01 Chemistry of reward and related behaviors
- R01MH-25140-01 Homeostatic origins of motivation (rats)
- ** R03MH-26151-01 Hormonal control of drinking and brain systems (rats)
- R01NS-03266-13 Neural mechanisms of sensory modalities (cats, rats)
- ** R01NS-07687-07 Hunger, thirst and water metabolism (rabbits)
- R01NS-10768-02 Subfornical organ control of drinking behavior (rodents, rabbits)
- NUTRIENT INTAKE ACTIVITY, THIRST, DIPSOGENIC AGENTS**
- R01HD-08504-01 Ontogeny of reactivity to dipsogenic stimuli (rats)
- R01NS-10768-02 Subfornical organ control of drinking behavior (rodents, rabbits)
- NUTRIENT INTAKE DISORDERS**
- ** R01MH-21563-02 Hypothalamic regulation of ingestive behavior (rats)
- NUTRIENT INTAKE DISORDERS, APPETITE DISORDERS**
- ** R01AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)
- NUTRIENT INTAKE DISORDERS, APPETITE DISORDERS, ANOREXIA**
- SEE ALSO NUTRIENT INTAKE ACTIVITY, APPETITE DEPRESSANTS
- R01AM-02448-16 Physiological functions and metabolism of thiamine (rats)
- ** P02CA-05826-13 0042 Clinical cancer research center - Medical and metabolic studies-nutritional problems
- ** P02CA-05826-13 0055 Clinical cancer research center - Nutritional influences on therapeutic responses
- R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- R01MH-21336-03 Families of children with psychosomatic problems
- M01RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child
- M01RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
- NUTRIENT INTAKE DISORDERS, APPETITE DISORDERS, ANOREXIA NERVOSA**
- ** P17HL-14230-04 0050 Lipids, atherosclerosis and thrombosis - Serum lipid levels in patients with acute anorexia nervosa (human)
- ** R01MH-08744-10 Coping behavior in schizophrenia
- R01MH-21336-03 Families of children with psychosomatic problems
- ** M01RR-00053-13 0074 Clinical research center - Elevated plasma cortisol in anorexia nervosa (human)
- ** M01RR-00055-13 0094 General clinical research center - Anorexia nervosa (human)
- ** M01RR-00059-13 0141 General clinical research center - Anorexia nervosa (human)
- M01RR-00059-13 0156 General clinical research center - Use of AY-24031 as a pituitary diagnostic test (human)
- M01RR-00069-12 0093 General clinical research center, children - Assessing growth hormone, free-fatty acid feedback loop
- ** M01RR-00109-11 0037 General clinical research center - Anorexia nervosa (human)
- ** M01RR-00199-10 0058 General clinical research center for children - Management of anorexia nervosa
- M01RR-00240-10 0068 General clinical research center-Children - Anorexia nervosa
- ** M01RR-00585-03 0026 General clinical research center - Anorexia nervosa in identical twins
- ** M01RR-00626-02 0050 General clinical research center - Behavioral modification anorexia nervosa (human)
- ** M01RR-00847-01 0029 Clinical research centers - L-DOPA administration in anorexia nervosa (human)
- NUTRIENT INTAKE DISORDERS, APPETITE DISORDERS, OVEREATING**
- SEE ALSO BODY WEIGHT, OBESITY
- R01AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
- R01AM-08749-10 Cholesterol metabolism in the intact animal (baboons)
- ** R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
- ** R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
- R01AM-14461-05 Hereditary diabetes in the mouse
- ** R01AM-15165-04 Adipose tissue metabolism in obesity (human, rats)
- R01AM-16617-02 Bile acid and lecithin reabsorption from primate bile (owl, monkeys, baboons)
- P17AM-17026-01 0027 Vanderbilt University Diabetes-Endocrinology Center - Nutrient dynamics in genetically obese rodents (rats, mice)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

P17AM-17624-01 0001 Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
 P17AM-17624-01 0002 Obesity center - DNA polymerase in adipose tissue of early postnatal rats
 R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
 R01MH-19438-04 0004 Neurochemistry of obesity and learned taste aversions - Brain mechanisms that control insulin in relation to obesity (rats, mice)
 R01MH-26251-01 CNS regulation of eating and drinking behavior (rats)
 R01NS-01941-16 Neurophysiology of food intake (rodents)
 ** M01RR-00034-14 0051 General clinical research center - Effects of overfeeding sugars on glucose, insulin and lipid metabolism (human)
 ** M01RR-00039-14 0087 General clinical research center - Metabolic effects of acute weight reduction in patients with exogenous obesity
 M01RR-00109-11 0001 General clinical research center - Metabolic relationship of obesity and diabetes (human)
 ** M01RR-00425-06 0029 General clinical research center - Effects of overnutrition on endocrine function and work efficiency (human)
 M01RR-00425-06 0030 General clinical research center - Glucose homeostasis (human)

NUTRITION (GENERAL)

SEE ALSO ENVIRONMENT, ECOLOGY ANIMAL, FOOD CHAINS
 SEE ALSO FOOD
 SEE ALSO GROWTH, AUTOTROPHY
 R01AA-00688-01 Alcohol use during pregnancy and pregnancy outcome (human)
 R01AI-03515-15 Comparative biochemistry of parasitic helminths (mice)
 R01AI-06587-10 The natural history of mosquitoes
 R01AI-10332-03 Intracellular parasitism
 R01AI-12381-01 0015 Center for study of sexually transmitted diseases - Chlamydia as sexually transmitted agents (guinea pigs)
 R01AM-04784-14 Control of secretion of hypothalamic hormones
 ** P01AM-07462-11 0062 Hormonal regulation of metabolism - Nutrient dynamics in obese-hyperglycemic mice
 R01AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)
 M P02AM-10202-08 Studies in human nutrition
 R01AM-10913-08 Factors affecting renal physiology in the newborn (dogs, rats, rabbits, monkeys)
 R01AM-12653-06 Transport of vitamin B12 (microorganisms)
 R01AM-13240-06 Intestinal transport of short-chain fatty acids (rats)
 R01AM-13336-06 Regulation of protein synthesis in mammalian liver (mice)
 P01AM-15671-04 0032 The biology of skeletal and other connective tissues - Joint transplantation (rabbits)
 ** R01AM-16171-03 Factors regulating glomerular development and function (rats)
 R01AM-16235-01 Bone and tissue growth in children
 ** N01AM-32204-02 Osteoporosis-Certain nutritional factors and therapeutic management trial
 P01CA-12707-03 0006 Cancer epidemiology program grant - Record linking (human)
 R01CA-13302-02 Vitamin B6, steroids and energy in cancer patients
 R01CA-15911-01 Nutrition and chemical carcinogenesis (rats)
 P01DE-02848-06 0020 Biology of connective tissue, bones and teeth - Development of pituitary gland and immunocompetence (mice)
 R01DE-03513-03 Dermal-epidermal diffusion in human gingival sulcus tissue
 P01GM-10402-12 0033 Zoophysiology in Alaska - Nutrition in northern populations
 ** P01GM-14546-08 0049 Influence of acute illness and injury on energy - Nutritional status in normal and injured patients
 ** P01GM-14546-08 0050 Influence of acute illness and injury on energy - Plasma and urine ribonuclease as an indicator of nutritional status (human)
 R01GM-17369-05 Normal profile study (human)
 R01GM-19290-03 Conditional lethal mutants of Tetrahymena
 R01GM-20172-01 Enzymes of aromatic oxidations from microorganisms
 R01GM-21075-01 Metabolic basis for homeostasis in shock (rats, dogs, monkeys)
 ** P01HD-01799-09 0038 Mental retardation research center - Nutrition, behavioral development and evoked potentials in premature infants
 P01HD-02274-08 0040 Mental retardation and child development - Fircrest research laboratories (human)
 ** P01HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)
 R01HD-07134-02 Variations in postnatal ossification sequence
 R01HD-07179-01 Lactose intolerance in healthy children
 R01HD-07831-01 Survey on worldwide variation in human growth and physique
 ** N01HD-22728-03 Sex steroids and nutritional status

** N01HD-22737-04 Ecological study in a Guatemalan village
 ** N01HD-22784-03 Effect of oral contraceptives on nutritional status (human)
 ** N01HD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
 ** P01HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology
 ** R01HL-13205-04 Nutrition and exercise in obesity and heart disease (human, mammals)
 P17HL-15062-03 0012 Study of lipoproteins, artery wall, and atherosclerosis - The pathology of atherosclerosis (monkeys, rabbits)
 R01MH-16929-06 The developmental effects of early maternal separation (rats)
 R01MH-23685-02 Drug-schedule interactions and intercurrent behavior (rats, squirrels)
 ** N01NS-32301-01 Animal holding facilities and services
 ** M01RR-00063-12 0011 General clinical research center - GH in nutritional status of Sheehan's syndrome patients
 M01RR-00073-12 0055 General clinical research center - Ileal bypass-Nutritional state and gastric secretory pattern of obese people
 M01RR-00107-11 0055 General clinical research center - Effect of chronic alcohol ingestion on host defense
 P06RR-00572-04 Amphibians for health-related research

NUTRITION, DIET

R01AA-00311-03 0008 Metabolic and psychological factors in alcoholism - Sleep and cognition in alcohol drinking and withdrawal-Dosage (human)
 N01AA-30031-00 Study on interactions of alcoholism with cancer (phase II)
 P01AM-04561-15 Diabetes studies (human, rats, dogs, monkeys)
 R01AM-04652-14 Intestinal absorption of mineral ions (chickens)
 R01AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
 R01AM-05222-14 Production and excretion of bile acids (rabbits, rats)
 ** R01AM-06011-13 0013 Diet control of lipid metabolism - Permanence of suppression of HMG-CoA reductase (rats)
 R01AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
 R01AM-06424-12 Nutritional function of selenium (rats)
 R01AM-06815-12 0003 Inborn errors of metabolism - Amino acids (human)
 R01AM-07126-11 Metabolism of human bone
 R01AM-07141-11 Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human)
 R01AM-08272-11 Obesity-Dietary, hormonal and genetic determinants (rats)
 R01AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)
 R01AM-09096-09 Nutritional influences on bone (human, rats)
 R01AM-09280-10 Gastrointestinal absorption in the herbivore (ruminants)
 R01AM-09758-09 Polyunsaturated fatty acid interconversions (rats)
 R01AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
 R01AM-10188-09 Hormonal regulation of metabolism (dogs)
 R01AM-10214-09 Lipid-protein binding in lipoproteins (chickens)
 R01AM-10558-09 0006 Peptide hormones affecting calcium metabolism - Experimental nephrocalcinosis (rats)
 R01AM-10748-08 Effect of diet and hormones on enzymes and metabolism (rats)
 R01AM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
 R01AM-11270-08 Carbohydrate digestion by the intestine (human, rats)
 R01AM-11275-08 Bile pigment metabolism (human, rats)
 R01AM-12024-07 Essential fatty acid intake and fatty acid synthesis (rats)
 ** R01AM-12626-06 0001 Bile salt malabsorption in man - Effect of diet on fecal bile salt excretion
 R01AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
 ** R01AM-13090-06 Iron in nutrition (rats, monkeys)
 R01AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
 R01AM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli)
 R01AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
 R01AM-13988-05 Control of fatty acid metabolism in the intact animals (rats)
 R01AM-14165-04 Synthesis and absorption of vitamin B12 (sheep, cattle)
 R01AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
 R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
 R01AM-14531-04 Metabolism of the developing small intestine (rats)
 R01AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
 R01AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)

R01AM-15297-03 Pathways of carbon and hydrogen in gluconeogenesis (rats)
 R01AM-15417-03 Contractions and emptying of stomach and intestine(dogs)
 R01AM-15468-02 Pyruvate carboxylase in metabolic regulation invertebrates, (vertebrates)
 R01AM-15521-03 0001 Nutritional and metabolic effects of fluorides - Dietary fluoride and high fat diets
 R01AM-15660-03 Renal control of the excretion of urea (rats, gerbils)
 R01AM-15802-02 Small intestinal oligopeptidases in digestion (human, rats)
 R01AM-15861-03 Intestinal transport of dipeptides in man
 R01AM-16431-02 0001 Gastritis induced by intestinal juices - Effects of intestinal juices on whole stomach preparations (dogs)
 R01AM-16431-02 0002 Gastritis induced by intestinal juices - Effects of exposure of antrum to intestinal contents (dogs)
 R01AM-16549-01 Sickle cell disease-Gallstones and liver dysfunction (human)
 R01AM-16667-01 Researches on causes and treatment of gallstones
 ** R01AM-16726-02 Diet and purine metabolism in gout (human, rats)
 R01AM-16740-02 Glycerol-3-P dehydrogenase-Role in lipid metabolism (birds, mice)
 R01AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
 ** R01AM-16835-01 Effect of diet on urinary stone formation in animals (rats, monkeys)
 P17AM-17026-01 0007 Vanderbilt University Diabetes-Endocrinology Center - Breath acetone analysis in diabetes diagnosis (human)
 P17AM-17047-01 0005 Diabetes-endocrinology research center - Computerized study of feeding behavior (human)
 R01AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
 ** R01AM-17169-01 Dietary factors in the etiology of osteoporosis (mice, rats)
 R01AM-17351-01 Effect of exercise on adipose tissue cellularity (rats)
 R01AM-18088-01 Hepatic bilirubin transport (human)
 N01AM-22215-03 Uremic toxicology
 R01CA-08893-07 Protein synthesis in normal and malignant cells (rats)
 R10CA-10042-07 Protected environment and cancer chemotherapy (human, dogs)
 P01CA-11535-05 Social epidemiology in prevention of cancer (human)
 R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
 P01CA-12376-03 0015 Environmental carcinogenesis - Dietary mammary cancer promotional factors (human)
 P01CA-12376-03 0020 Environmental carcinogenesis - Mammary gland carcinogenesis (rats)
 P01CA-12707-03 0003 Cancer epidemiology program grant - Stomach cancer (human)
 P01CA-13526-03 0005 Correlated study of metabolic regulation in neoplasia - Regulation of DNA metabolism in normal and cancer cells (human, birds, rodents)
 R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
 ** P01CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)
 ** P01CA-15655-01 0011 Cancer center support grant - Nitrite and secondary amine levels in Japanese diets
 R01CA-15735-01 Metabolism and reducing equivalents in ascites tumor (mice)
 ** R01CA-16000-01 Diet and breast cancer in Japanese-American women
 R26CA-16375-01 Role of bile acids in etiology of large bowel cancer (mammals)
 N01CB-33885-01 Overweight in breast cancer epidemiology (human)
 N01CP-33215-01 Epidemiologic study of colon cancer in blacks
 ** N01CP-33238-02 Interactions between diet and chemical carcinogenesis (rats)
 N01CP-33334-01 Comparative fecal flora studies (human)
 ** N01CP-33335-01 High meat diet and bacterial flora and chemical components of feces
 N01CP-33380-02 Fecal flora studies
 ** N01CP-43282-00 Incidence of colon cancer among blacks, Spanish Americans and whites
 P01DE-01850-11 0026 Fluoride metabolism - Fluoride and fertility in male mice
 P01DE-01850-11 0036 Fluoride metabolism - Fluoride intake and chronic bleeding in male mice
 P01DE-01850-11 0037 Fluoride metabolism - Fluoride intake and iron content of livers and spleens (rats)
 P01DE-01850-11 0038 Fluoride metabolism - Fluoride intake and composition of costal cartilage (rats)
 P01DE-02552-08 0001 Microbial pathogenesis of human dental caries - Epidemiology
 P01DE-02847-06 0011 Microbial ecology and its relation to dental disease - Animal model of bacterial implantation, transmission in the oral cavity (rodents)
 ** R01DE-03191-03 Nutrition and lipids of bone and teeth (rats, cows, rabbits)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- R01DE-03856-01 Fluoride-selenium interaction in dental caries
- N01DE-32408-01 Effect of dietary additives on plaque chemistry and caries incidence (monkeys)
- ** N01DE-42441-00 Nutrition on the epithelium of oral mucous membranes (primates)
- ** N01DE-42442-00 Nutrition on the epithelium of oral mucous membranes
- R01ES-00712-02 Antibiotic mucor oncology of mycotic hepatomagenesis (ducks)
- ** R01ES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)
- R01FD-00433-04 Carbonyl accumulation during browning (rats)
- P11GM-12675-10 0009 Biochemical toxicology and pharmacology - Enterohaptic circulation-Acetaminophen glucuronide and sulfate (rats, human)
- PO1GM-15428-07 0017 Center for comprehensive clinical study of trauma - Regulation of neutrophil function in experimental animals
- PO1GM-17806-05 0018 Nutritional factor effects on drug action - Species and anionic drugs influence on sulfonamide-albumin interactions
- R01GM-20716-01 Comparative enzymology of normal and abnormal tissue (pigs, human)
- PO1HD-01799-09 0009 Mental retardation research center - Growth regulatory mechanisms (rats, human)
- R01HD-01823-11 Effect of amino acids on metabolism, EEG, and behavior (human, rats)
- R01HD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
- PO1HD-03693-06 0003 Pathogenesis of chronic infections - Blood pressure in children and origins of essential hypertension (human)
- PO1HD-04872-04 0006 Metabolism and aging - Plasma lipoprotein metabolism (baboons)
- PO1HD-05221-05 0031 Center grant in mental retardation - Teratology and genetics (mice, hamsters, rats, primates)
- R01HD-05384-03 Nutritional aspects of purine metabolism (rats)
- R01HD-06007-03 0003 Metabolism of myoinositol during development (rats) - Effect of myoinositol absence on neonate development (rats)
- M PO1HD-07578-01 Growth and nutrition of normal infants
- ** PO1HD-07578-01 0001 Growth and nutrition of normal infants - Normative data (human)
- R01HD-07924-01 The relationship of infant growth to adolescent obesity (human)
- R01HD-08554-01 Teratogenicity of cytochalasins and plant metabolites
- R01HD-08958-01 Growth and diet in vegan and omnivore children
- N01HD-22782-03 Effects of oral contraceptives on vitamin B6 nutrition (human)
- N01HD-22787-02 Biochemical mechanisms of contraceptive steroid-induced abnormalities (rats)
- ** N01HD-92180-13 Prevention of prematurity and developmental disorders (human)
- R01HL-03632-16 Structure and synthesis of milk lipids (ruminants, rats)
- PO1HL-06349-13 0006 Cardiovascular disease clinical program project - Hypertension in the black community and the influence of sodium
- M PO1HL-08974-10 Natural and experimental atherosclerosis
- PO1HL-08974-10 0003 Natural and experimental atherosclerosis - Lipids of atherosclerotic lesions (human)
- PO1HL-08974-10 0020 Natural and experimental atherosclerosis - Cholesterol, fat and protein in atherosclerosis (baboons)
- ** PO1HL-09814-09 0014 Research program- Cardiovascular and related disease - Nutrition studies (human)
- PO1HL-09814-09 0015 Research program- Cardiovascular and related disease - Body build and fatness (human)
- ** PO1HL-09814-09 0025 Research program- Cardiovascular and related disease - Correlation between patterns of food use and biological variables (human)
- ** PO1HL-09814-09 0040 Research program- Cardiovascular and related disease - Nutrition studies in Tecumseh population
- PO1HL-09814-09 0043 Research program- Cardiovascular and related disease - Relation of serum glucagon to insulin levels in inappropriate insulin responses
- R01HL-09911-08 Hormonal and dietary modification of NaCl toxicity (rats, mice)
- PO1HL-10098-10 0026 Primates in cardiovascular research - Thrombohemorrhagic phenomena
- ** PO1HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
- PO1HL-10098-10 0029 Primates in cardiovascular research - Iron deficiency anemia and iron utilization
- R01HL-10489-08 Enzyme studies of polyunsaturated acid metabolism (rats)
- R01HL-10935-06 Vasopressor action during hemorrhage and hyponatremia (human, dogs)
- ** R01HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
- R01HL-13205-04 Nutrition and exercise in obesity and heart disease (human, mammals)
- ** PO1HL-13262-02 0014 Arterial wall in atherosclerosis - Dietary and endocrine factors on lipoprotein synthesis (rats, monkeys)
- R01HL-13612-04 0004 Human arteriosclerosis - Cholesterol metabolism-Regulation of serum levels in man
- R01HL-13612-04 0005 Human arteriosclerosis - Cholesterol metabolism-Role of intestinal mucosa (rats)
- P17HL-14159-04 0001 Specialized center of research in hypertension - Genetic studies in hypertension and renin secretion (human)
- P17HL-14164-04 0015 Arteriosclerosis research center - Regulation of cholesterol biosynthesis in pigeons and monkeys
- P17HL-14196-04 0008 Lipids, thrombosis and genetics in atherosclerosis - Lipoproteins in children-Role of genetics and diet
- P17HL-14196-04 0010 Lipids, thrombosis and genetics in atherosclerosis - Lipoproteins in patients with coronary heart disease
- P17HL-14230-04 0007 Lipids, atherosclerosis and thrombosis - Hyperlipidemia and other coronary risk factors in children
- ** P17HL-14230-04 0016 Lipids, atherosclerosis and thrombosis - Dietary sodium and blood pressure (human)
- P17HL-14230-04 0018 Lipids, atherosclerosis and thrombosis - Dissolution of gallstones (dogs)
- P17HL-14230-04 0019 Lipids, atherosclerosis and thrombosis - Tissue cholesterol and Type II hyperbeta-lipoproteinemic subject (primates)
- ** P17HL-14230-04 0020 Lipids, atherosclerosis and thrombosis - Cholesterol balance and dietary cholesterol (primates)
- P17HL-14230-04 0021 Lipids, atherosclerosis and thrombosis - Intestinal biosynthesis of cholesterol (guinea pig)
- P17HL-14230-04 0022 Lipids, atherosclerosis and thrombosis - Dietary cholesterol on bile composition in man
- P17HL-14230-04 0024 Lipids, atherosclerosis and thrombosis - Plasma and carcass cholesterol (primates)
- ** P17HL-15103-03 0004 Specialized center of research-arteriosclerosis - Bogalusa family studies-Nutrition (children)
- R01HL-15174-03 CV disease epidemiology-Second generation studies (human)
- PO1HL-15194-02 0017 Pathophysiology of cardiopulmonary dysfunction - Quantitation of hepatic adipose tissue content (human, rats, dogs)
- R01HL-15427-02 Secretion of plasma lipoproteins (rats)
- R01HL-15556-02 Diets and drugs affecting lipid metabolism (human)
- PO1HL-15914-01 Experimental atherosclerosis in baboons
- PO1HL-16251-01 0013 Membrane-bound enzymes in heart and other tissues - Functional capacity of membrane-bound enzymes (rats, squirrels)
- R21HS-01630-01 Multivariate analysis of health behavior
- N01HV-02268-05 Data collection and examinations in San Francisco area
- N01HV-12156-04 Lipid research clinic (human)
- N01HV-12157-04 Lipid research clinic (human)
- N01HV-12158-05 Establishment of a lipid research clinic (human, mammals non-human)
- N01HV-12441-08 Study hypertension in general population
- N01HV-22971-03 Prevention of coronary heart disease
- N01HV-22977-05 Multiple risk factor intervention trial, prevention of coronary heart disease
- N01HV-22978-05 Multiple risk factor intervention trial, prevention of coronary heart disease
- N01HV-22979-03 Multiple risk factor intervention trial, prevention of coronary heart disease
- N01HV-22980-03 Multiple risk factor intervention trial for coronary heart disease prevention
- N01HV-22981-04 Multiple risk factor intervention trial, prevention of coronary heart disease
- N01HV-92050-10 Develop models of advanced aortic atherosclerosis (miniature swine)
- R01MH-12007-08 0003 Psychoactive phenolic amine analysis - Plasma levels of hydrocarbon pesticides
- ** R01MH-19438-04 0008 Neurochemistry of obesity and learned taste aversions - Weight regulation (mice, rats)
- R01MH-25259-01 Orthomolecular psychiatry-Diagnosis and therapy
- ** PO1NS-03364-12 0031 Neurological research center in cerebrovascular disease - Cerebral atherosclerosis, cerebral vascular lesions and diet (human)
- R01NS-10287-19 Metabolism of serine anel related compounds (rats, swine)
- R01NS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
- R01NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
- R01NS-10605-01 Sensory control of feeding (black blowfly)
- R01OH-00337-05 Mechanisms of cadmium toxicity (rats)
- R01OH-00423-01 Working conditions, job satisfaction, and CHD risk
- ** M01RR-00031-14 0069 General clinical research center - Response of aldosterone biosynthesis to dietary manipulation (human)
- M01RR-00040-14 0084 General clinical research center - Bile flow and composition in man
- M01RR-00063-12 0035 General clinical research center - Tropical sprue in Puerto Rican children
- M01RR-00063-12 0036 General clinical research center - HGH and nutrition in Sheehan's disease
- M01RR-00073-12 0068 General clinical research center - Prolidase defect-Effect of diet on urinary excretion of amino acids (human)
- M01RR-00095-14 0024 General clinical research center - Renin mechanisms (human)
- M01RR-00102-11 0011 General clinical research center - Pregnant, contraceptive-treated and post-partum women
- M01RR-00125-11 0191 General clinical research center - adult-child - Role of adrenergic and renin-angiotensin systems in release of prostaglandins
- PO6RR-00164-13 Operation of the Delta regional primate research center
- P07RR-00267-09 0026 Biomedical data processing unit - Minnesota coronary survey
- ** M01RR-00400-06 0044 General clinical research center - adult - Diets in regards to dental plaque (human)
- ** P06RR-00640-03 0001 Nutritionally defined gnotobiotic development and use - Chemically defined water-soluble diet for reproducing germ free mice
- ** P06RR-00640-03 0003 Nutritionally defined gnotobiotic development and use - Gamma globulin and antibody formation in rodents on antigen free diets
- P06RR-00640-03 0005 Nutritionally defined gnotobiotic development and use - Procurement of new germfree species (hamsters, gerbils)
- M01RR-00847-01 0020 Clinical research centers - Metabolism of cyclic 3',5'-AMP and cyclic 3',5'-GMP (human)

NUTRITION, DIET, FASTING

SEE ALSO NUTRIENT INTAKE ACTIVITY, HUNGER

SEE ALSO NUTRITIONAL ABNORMALITIES, STARVATION

R01AM-02244-16 Carbohydrate metabolism (human, dogs)

R01AM-05976-13 Carbohydrate and ketone body

metabolism (sheep)

R01AM-06181-13 Insulin (rats, rabbits, human, ruminants,

ducks, lizards)

R01AM-06483-11 Biosynthesis and interconversions of fatty

acids (rodents, birds)

R01AM-07084-13 Hormonal control of sebaceous gland

function (human)

R01AM-09000-10 Hepatic lipid metabolism, control and

ethanol effects (rats)

R01AM-10699-09 Regulatory mechanisms in metabolism

(human, rats, baboons)

R01AM-10844-08 Micropuncture study of renal tubular

function (human, dogs, baboons)

R01AM-10866-08 Regulation of substrates in diabetes and

obesity (baboons)

R01AM-10894-08 0003 Genetic metabolic diseases of

infancy and childhood - Developmental and other regulatory

aspects of galactose pathways (rats)

R01AM-11029-08 Net synthesis of plasma proteins by

perfused liver (rats)

R01AM-11384-08 Hepatic organic anion transport

mechanisms (sheep, horses, dogs, rats)

R01AM-12985-06 Physiology and pathophysiology of the

human intestine (also dogs)

R01AM-13131-07 Control of pancreatic protein synthesis

and secretion (pigeons, rats)

R01AM-13518-12 Unexplained hypoglycemia in children

R01AM-13527-04 Metabolic substrate utilization in man

R01AM-13988-05 Control of fatty acid metabolism in the

intact animals (rats)

R01AM-15191-04 Physiology, pathology and biochemistry of

diabetes (human, rats)

R01AM-15272-03 Metabolism of perfused hind limb (rats)

R01AM-16110-03 Bile acids and hepatic subcellular

pathology (rats, hamsters, guinea pigs)

P17AM-17047-01 0002 Diabetes-endocrinology research

center - Physiological studies in the baboon

R01AM-17076-01 Regulation of adipose lipid metabolism

(rats, mice)

R01AM-17171-01 Control mechanisms of pathological

feeding behaviors (rats)

P17AM-17624-01 0007 Obesity center - Role of ketone

bodies in energy metabolism in lean and obese men

P17AM-17624-01 0009 Obesity center - Rate and

composition of weight loss as influenced by diet (human)

P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver

transport and metabolism of organic anions (human,

rodent, rabbit, monkey)

R01AM-18130-01 Insulin and human growth hormone-

Secretion and metabolic actions

R01CA-08269-13 Regulation of ketogenesis and

lipogenesis (rats)

PO1CA-08748-09 5739 Research program of Sloan-

Kettering Institute - Glycogen sparing effect in slow

growing hepatomas in rats

PO1CA-12227-04 0010 Core program in carcinogenesis -

Turnover rates of beta-hydroxybutyrate and acetoacetate in

man

PO1HD-05615-04 0005 Developmental biology in mental

retardation - Postnatal brain development (rabbits)

R01HD-06334-03 Regulation of neonatal serum bilirubin

concentration (human, rats, dogs)

(contd)

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** Oriented significantly to above subject

M Grant has subprojects describing specific research aspects

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-06475-01 0001 Carbohydrate and lipid metabolism during development - Regulation of blood glucose concentration by the fetus (rats)
- R01HL-05360-15 Cholesterol metabolism and hypocholesterolemic drugs (rats)
- R01HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)
- R01HL-16364-01 0002 Regulation of lipid biosynthesis and transport - Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis
- ** R01NS-09808-02 Seizures, ketosis and cerebral metabolism (rats)
- R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
- ** M01RR-00031-14 0054 General clinical research center - Hormonal control of fuel metabolism (human)
- ** M01RR-00035-14 0071 General clinical research centers - Role of catecholamines in fasting (human)
- ** M01RR-00035-14 0092 General clinical research centers - Fasting in extreme obesity (human)
- M01RR-00036-14 0040 General clinical research center - Insulin secretion in obesity - Carbohydrate infusion after fasting (human)
- M01RR-00036-14 0154 General clinical research center - Studies of glucagon secretion (human, rats)
- M01RR-00037-14 0141 General clinical research center - Role of insulin in glucagon secretion induced by hypoglycemia (human)
- M01RR-00040-14 0084 General clinical research center - Bile flow and composition in man
- M01RR-00042-14 0009 General clinical research center - Leucine and sulfoniumurea induced hypoglycemia (human)
- ** M01RR-00044-14 0070 General clinical research center - Mechanism of lipolysis in fasting (human)
- ** M01RR-00056-13 0035 General Clinical Research Center - Metabolic changes during total fasting (human)
- M01RR-00064-10 0059 General clinical research center - Lipoprotein removal in man
- M01RR-00070-12 0100 General clinical research center - Relationship between insulin resistance and fasting insulin levels (human)
- ** M01RR-00076-12 0027 General clinical research center - Metabolic alteration during fasting (human)
- ** M01RR-00079-12 0125 General clinical research center - Effect of fasting and lipolysis on energy metabolism (human)
- ** M01RR-00064-12 0002 General clinical research center - Children - Metabolic effects of total fasting
- M01RR-00088-11 0042 General clinical research center - Metabolic and tissue changes for protein sparing diet (human)
- ** M01RR-00125-11 0176 General clinical research center - adult-child - Effect of fasting on metabolism of bilirubin and bile
- ** M01RR-00240-10 0031 General clinical research center - Children - Hypoglycemia
- M01RR-00240-10 0084 General clinical research center - Children - Fasting hypoglycemia and pituitary disease
- M01RR-00240-10 0095 General clinical research center - Children - Ketotic hypoglycemia
- M01RR-00240-10 0096 General clinical research center - Children - Glycogen storage disease
- ** M01RR-00425-06 0007 General clinical research center - Effect of fasting and dietary composition on bile pigment metabolism (human)
- M01RR-00633-02 0001 General clinical research center - Control mechanisms of cholesterol synthesis in human intestine
- M01RR-00750-02 0010 General clinical research center - Pathogenesis of hypoglycemia (human)
- NUTRITION, DIET, VEGETARIANISM**
- ** R01HD-08958-01 Growth and diet in vegan and omnivore children
- R01HL-13612-04 0004 Human arteriosclerosis - Cholesterol metabolism - Regulation of serum levels in man
- NUTRITION, DIET PATHOGENIC**
- R01AA-00196-03 Alcohol induced defects in pyridoxine and folate metabolism (human, rats)
- ** R01AA-00242-06 0001 Alcoholism and diseases of the heart - Animal studies (dogs, monkeys)
- R01AM-06334-12 Pathogenesis of experimental fatty liver (rats, mice)
- R01AM-08949-10 Diabetes mellitus in *Psammomys obesus* (rats, guinea pigs, rabbits, hamsters)
- R01AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
- R01AM-12381-07 Iron in cell pathology (rats)
- R01AM-15041-02 Caroidogenesis (rats)
- ** R01AM-15227-04 Effect of age on sulfur amino acid metabolism (rats)
- ** R01AM-15521-03 0001 Nutritional and metabolic effects of fluorides - Dietary fluoride and high fat diets
- R01AM-16006-03 Nutritional factors and SCN in thyroid development (rats)
- ** R01CA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydromylase (mice)
- P02CA-13696-02 0020 Clinical cancer research center - Role of bacterial flora of intestine in carcinogenesis (human)
- ** P02CA-13696-02 0067 Clinical cancer research center - Carcinogenicity of dietary fats (rats)
- R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- R26CA-15033-02 Hamster model for human bladder cancer
- R26CA-15945-01 Studies on experimental bladder tumors (rats)
- ** N01CP-02210-08 Carcinogenesis bioassay of pesticides (mice, rats)
- N01CP-12166-07 Study chemical carcinogens and other chemicals (rats)
- N01CP-23255-03 Carcinogenic bioassay of environmental chemicals (rats, mice)
- N01CP-33225-04 Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents)
- N01CP-43245-00 Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents)
- ** N01CP-43267-00 Carcinogenesis bioassay of pesticides (mice, rats)
- N01CP-43272-00 Study of combined effects of chemical carcinogens (rats)
- N01CP-43297-00 Carcinogenic bioassay of environmental chemicals (rats, mice)
- ** R01ES-00263-09 Biological and toxic effects of cyclopropenoids (fish, rats, mice)
- R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
- R01ES-00709-03 Chronic and multi-generation of cadmium (rats, monkeys)
- R01EY-00753-02 Biochemical cytology of metabolic eye diseases (rats)
- R01EY-00871-03 Retina - The metabolism of polyunsaturated fatty acids (rats)
- R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
- P01HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
- P01HD-08658-01 0010 Developmental neurobiology in primates - Experimental malformations of the central nervous system (nonhuman primates)
- ** N01HN-42903-00 Pure-blooded fox hounds on normal and atherogenic diets
- R01HL-01803-20 0005 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Immunologic and dietary synergy in arteriosclerosis and its regression (rabbits)
- R01HL-01803-20 0006 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Ultrastructure of induced coronary arteriosclerosis (rabbits)
- R01HL-01803-20 0007 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Scanning electron microscopy of induced arteriosclerosis (rabbits)
- R01HL-01803-20 0010 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Arteriosclerosis induction by synergy of graft rejection and diet (rabbits)
- R01HL-01803-20 0013 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Spontaneous non-lipid arteriosclerosis and cholesterol induced arteriosclerosis
- R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
- ** R01HL-03299-17 Dietary effects on cholesterol metabolism (rats, rabbits)
- R01HL-03444-16 0003 Alterations of arterial tissue in arteriosclerosis - Oxidative capacity of arterial tissue in experimental arteriosclerosis (rabbits, d)
- ** R01HL-05209-14 Lipid metabolism (baboons, monkeys)
- P01HL-06312-13 0021 Surgical cardiology - Cardiac transplantation - Effect of immunosuppression on atherosclerosis (monkeys)
- P01HL-06312-13 0023 Surgical cardiology - Cardiac innervation - Effect of denervation on atherosclerosis (animals)
- ** P01HL-08974-10 0006 Natural and experimental arteriosclerosis - Responses of primates to atherogenic diet
- ** P01HL-08974-10 0007 Natural and experimental arteriosclerosis - Effects of cigarette smoking in baboons
- P01HL-08974-10 0008 Natural and experimental arteriosclerosis - Normal aorta and early experimental arteriosclerosis in primates
- ** P01HL-08974-10 0009 Natural and experimental arteriosclerosis - Early arteriosclerosis by changes of diet in primates
- ** P01HL-08974-10 0010 Natural and experimental arteriosclerosis - Cholesterol metabolism in primates
- P01HL-08974-10 0011 Natural and experimental arteriosclerosis - Geographic pathology and natural history of human arteriosclerosis
- ** P01HL-08974-10 0021 Natural and experimental arteriosclerosis - Age and the response to atherogenic diets (baboons)
- P01HL-08974-10 0022 Natural and experimental arteriosclerosis - Cell proliferation in intimal lesions following return to basal diet (monkeys)
- ** P01HL-08974-10 0023 Natural and experimental arteriosclerosis - Cholesterol metabolism and dietary hypercholesterolemia (monkeys)
- R01HL-09914-09 Myocardial function and metabolism disease (dogs)
- P01HL-10098-10 0024 Primates in cardiovascular research - Vascular structure and ultrastructure
- P01HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
- ** P01HL-10539-09 0025 Pathophysiology of circulation - Cardiovascular effects of magnesium deficiency (hamster)
- R01HL-12794-03 Atherosclerosis in vascular grafts (dogs, monkeys)
- R01HL-12869-05 Arterial metabolism, diabetes and atherosclerosis (hamsters, mice, rats, human)
- R01HL-13645-07 Tryptophan-induced pulmonary emphysema (cattle, goats)
- P17HL-14141-04 0003 SCOR for atherosclerosis in childhood - Detection of abnormalities in lipid metabolism (human, rabbits, rats)
- P17HL-14150-04 0010 Specialized center of research in hypertension - Natural history of behavioral hypertension (monkeys)
- P17HL-14164-04 0006 Arteriosclerosis research center - Animal model development (monkeys)
- P17HL-14164-04 0022 Arteriosclerosis research center - Comparative medicine core laboratories (monkeys, pigeons)
- P17HL-14164-04 0023 Arteriosclerosis research center - Core laboratories of biochemistry (monkeys, pigeons)
- P17HL-14164-04 0024 Arteriosclerosis research center - Core laboratories of physiology (monkeys)
- P17HL-14177-04 0002 Center for prevention and treatment of atherosclerosis - Atherosclerotic arterial wall bioenergetics and lipid metabolism (rabbits, swine)
- P17HL-14177-04 0004 Center for prevention and treatment of atherosclerosis - Role of lysosomes in atherosclerosis (swine)
- P17HL-14177-04 0005 Center for prevention and treatment of atherosclerosis - DNA synthesis in arterial cells in high cholesterol-triglyceride diets (swine)
- P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding
- P17HL-14177-04 0008 Center for prevention and treatment of atherosclerosis - Role of hemodynamics in atherosclerosis (rabbits, sheep, human)
- ** P17HL-14177-04 0009 Center for prevention and treatment of atherosclerosis - Injury and hyperlipemic diet in producing atherosclerosis (rabbits, human, swine)
- ** P17HL-14177-04 0010 Center for prevention and treatment of atherosclerosis - Atherosclerosis and complications produced by injury and hyperlipemic diet (swine)
- P17HL-14177-04 0013 Center for prevention and treatment of atherosclerosis - Electrophysiology of experimental coronary arteriosclerotic hearts (swine)
- P17HL-14177-04 0014 Center for prevention and treatment of atherosclerosis - Sudden death (swine)
- ** P17HL-14230-04 0023 Lipids, atherosclerosis and thrombosis - Cholesterol-free diet after diet-induced atherosclerosis (primates)
- ** P17HL-14230-04 0026 Lipids, atherosclerosis and thrombosis - Mucosubstances during atherosclerosis and regression (primates)
- ** P17HL-14230-04 0027 Lipids, atherosclerosis and thrombosis - Coreporative atherogenicity of high-cholesterol diet (primates)
- ** P17HL-14230-04 0041 Lipids, atherosclerosis and thrombosis - Fatty acid deficiency in healthy men fed fat-free diets
- ** P17HL-14230-04 0059 Lipids, atherosclerosis and thrombosis - Correlation of transverse intimal area and dietary cholesterol (monkeys)
- ** P17HL-14230-04 0060 Lipids, atherosclerosis and thrombosis - Sucrose feeding on plasma triglycerides (primates)
- P17HL-14230-04 0061 Lipids, atherosclerosis and thrombosis - Dietary cholesterol and distribution of plasma lipoprotein (monkeys)
- ** P17HL-14230-04 0062 Lipids, atherosclerosis and thrombosis - Arterial fibrous proteins after atherogenic and regression regimens (monkeys)
- ** P17HL-14230-04 0063 Lipids, atherosclerosis and thrombosis - Peripheral arteries in atherosclerosis and regression (monkeys)
- R01HL-14408-03 Atherosclerosis and radio frequency irradiation (rabbits, rats, monkeys)
- P17HL-15062-03 0015 Study of lipoproteins, artery wall, and atherosclerosis - Myocardial infarcts in atherosclerosis (monkeys)
- P17HL-15103-03 0010 Specialized center of research - arteriosclerosis - Experimental models - Induction of lesions (monkeys)
- P17HL-15103-03 0012 Specialized center of research - arteriosclerosis - Cellular responses in atherosclerosis in tissue culture (monkeys)
- R01HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
- R01HL-15448-02 0001 Surgical and metabolic aspects of venous grafts - Morphology and lipid composition (dogs)
- R01HL-15448-02 0004 Surgical and metabolic aspects of venous grafts - Phospholipid synthesis and localization (dogs, monkeys)
- R01HL-15448-02 0006 Surgical and metabolic aspects of venous grafts - Establishment of rhesus monkey colony (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Orignal significantly to above subject.

N Grant has subprojects describing specific research aspects.

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- ** R01HL-15797-01 Lipid metabolism and atherosclerosis in primates
 R01HL-15965-02 Experimental atherosclerosis and elastin metabolism (chickens)
 R01HL-16559-01 0002 Dynamics of lipoprotein structure and atherosclerosis (human) - Animal models (green monkey, miniature pigs)
 R01HL-16588-01 Collagen synthesis in atherosclerosis (dogs, rats, rabbits)
 P01NS-03364-12 0019 Neurological research center in cerebrovascular disease - Experimental atherosclerosis in pigs
 P01NS-06779-06 0018 Cerebrovascular clinical research center - Puberty and atherosclerosis (swine)
 ** R01NS-11277-01 Pathogenesis of nutritional brain injury (chickens)
 ** M01RR-00036-14 0146 General clinical research center - Carbohydrate induction of hyperlipidemia (human)
 ** M01RR-00059-13 0146 General clinical research center - Essential fatty acid deficiency in oral and IV fat free diets (human)
 M01RR-00059-13 0168 General clinical research center - Hypertriglyceridemia from dietary sugar without atherosclerosis (prairie dogs)
 ** M01RR-00059-13 0170 General clinical research center - Changes in bile composition and gallstone formation in prairie dogs
 M01RR-00400-06 0015 General clinical research center - adult - Gluconeogenesis in ketotic hypoglycemia (children)
 M01RR-00865-01 0037 General clinical research center - Relationship of selective IgA deficiency to celiac sprue (human)

NUTRITION, DIET SCHEDULE AND ROUTE

- R01AM-13323-04 Interorgan movement of amino acids (dogs, human)
 R01AM-16217-02 Obesity and the regulation of appetite (monkeys)
 ** P02CA-05831-13 0036 Cancer clinical research - Parenteral hyperalimentation in the cancer patient (also rats)
 M01CN-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)
 M01CN-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)
 M01CN-45133-01 Demonstration of cancer rehabilitation facilities and/or department (human)
 R01HD-06334-03 Regulation of neonatal serum bilirubin concentration (human, rats, dogs)
 M01HD-22783-03 Effect of oral contraceptive steroids on trace minerals (rats)
 P01HL-10098-10 0023 Primates in cardiovascular research - Lipid metabolism
 R01MH-22319-02 External and internal factors in food regulation
 R02NU-00508-01 City of Hope nursing research development grant
 M01RR-00037-14 0104 General clinical research center - Lactose content and methods of tube feeding in diarrhea (human)
 ** M01RR-00059-13 0145 General clinical research center - Effect of dietary carbohydrates on serum lipids and fecal steroids (human)
 ** M01RR-00059-13 0146 General clinical research center - Essential fatty acid deficiency in oral and IV fat free diets (human)
 ** M01RR-00059-13 0147 General clinical research center - Synthesis of cysteine from methionine-Route of alimentation (human)
 M01RR-00714-02 0013 General clinical research center - Protein feeding of premature infants (human)

NUTRITION, DIET SCHEDULE AND ROUTE, ARTIFICIAL GUT

- R01AM-15986-03 0005 Cirrhosis, ascites and the hepatic circulation - Gastric back diffusion (dogs, frogs)
 ** R01AM-16431-02 0002 Gastritis induced by intestinal juices - Effects of exposure of antrum to intestinal contents (dogs)
 M01RR-00210-10 0031 General clinical research center - Maternal-child - Control of amine acid assimilation in low-birth weight infants

NUTRITION, DIET SCHEDULE AND ROUTE, PARENTERAL FEEDING

- SEE ALSO NUTRITION, DIET SCHEDULE AND ROUTE, ARTIFICIAL GUT
 R01AM-02244-16 Carbohydrate metabolism (human, dogs)
 P02AM-04501-13 0022 Metabolic disease research center - Parathyroid hormones, calcium and phosphorus in renal diseases (human, rats)
 R01AM-04524-14 0004 Requirements of polyunsaturated fatty acids - Diseases and nutritional problems involving fatty acid metabolism (human)
 ** R01AM-16580-01 Metabolic studies in parenterally fed models (sheep, swine)
 ** R01AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
 R01AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)

- R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
 ** M01CM-43743-00 Development and production of parenteral dosage forms for clinical investigation
 P01GM-14546-08 0035 Influence of acute illness and injury on energy - Comparison of framine and aminosal in parenteral nutrition (human)
 P01GM-14546-08 0036 Influence of acute illness and injury on energy - Limiting order of amine acids in sepsis during amine acid infusion
 ** P01GM-15430-07 0008 Research in anesthesia - Calcium studies (human)
 ** P01GM-17961-04 0004 Body compositional changes in severe trauma - Nutritional infusion studies (human, dogs)
 P01GM-17961-04 0008 Body compositional changes in severe trauma - Control of infections (human, rabbits)
 P01GM-17961-04 0011 Body compositional changes in severe trauma - Human calorimetry (human)
 R01GM-19571-02 Metabolism and nutrition in burns and trauma (human, rats)
 ** R01GM-20630-02 New concepts in parenteral protein sparing therapy (rats, dogs, swine)
 R01GM-21748-01 Metabolism and nutrition in burns and trauma (human, rats)
 ** P01HD-02147-08 0008 Extrauterine growth and development - Parenteral nutrition and adaptation of digestive enzymes (human)
 R01HD-06334-03 Regulation of neonatal serum bilirubin concentration (human, rats, dogs)
 ** R01HD-07707-02 Pediatric parenteral alimentation - Metabolic studies
 M R01HD-08432-01 Parenteral nutrition in newborn animals
 ** R01HD-08432-01 0001 Parenteral nutrition in newborn animals - Overall somatic growth and organ growth (dogs)
 ** R01HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
 ** R01HD-08432-01 0003 Parenteral nutrition in newborn animals - Lipid composition of brain and fatty acid status
 M R01HD-08434-01 Metabolic studies of parenteral nutrition in infants
 ** R01HD-08434-01 0001 Metabolic studies of parenteral nutrition in infants - Varying protein intake
 ** R01HD-08434-01 0002 Metabolic studies of parenteral nutrition in infants - Urea and arginine metabolism in total parenteral nutrition
 ** R01HD-08434-01 0003 Metabolic studies of parenteral nutrition in infants - RNase as assessment of nutritional status
 ** R01HD-08434-01 0004 Metabolic studies of parenteral nutrition in infants - Serum essential fatty acids
 ** R01HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
 ** P17HL-14214-04 0010 Neonatal lung center - Effects of a total parenteral alimentation on HMD (human)
 P17HL-14218-04 0004 Newborn lung center - Metabolism of infants with respiratory distress syndrome (human)
 P17HL-14230-04 0008 Lipids, atherosclerosis and thrombosis - High carbohydrate, fat-free diet and serum lipids (human)
 P17HL-14230-04 0009 Lipids, atherosclerosis and thrombosis - Normal cholesterol and hypercholesterolemia in men
 P17HL-14230-04 0041 Lipids, atherosclerosis and thrombosis - Fatty acid deficiency in healthy men fed fat-free diets
 P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 R01NS-01941-16 Neurophysiology of food intake (rodents)
 ** M01RR-00032-14 0050 General clinical research center - Parenteral nutrition
 ** M01RR-00037-14 0024 General clinical research center - Nutrition provided by an artificial gut system (human)
 ** M01RR-00037-14 0128 General clinical research center - Evaluation of intralipid as a calorie source in parenteral nutrition
 ** M01RR-00039-14 0094 General clinical research center - Elemental balances during intravenous hyperalimentation (human)
 ** M01RR-00046-14 0037 General clinical research center - Feasibility of home intravenous hyperalimentation (human)
 ** M01RR-00054-13 0060 General clinical research center - Evaluation of intravenous fat solution in trauma patients
 ** M01RR-00055-13 0099 General clinical research center - Parenteral hyperalimentation for acute ulcerative colitis (human)
 M01RR-00059-13 0145 General clinical research center - Effect of dietary carbohydrates on serum lipids and fecal steroids (human)
 M01RR-00059-13 0146 General clinical research center - Essential fatty acid deficiency in oral and IV fat free diets (human)
 M01RR-00059-13 0147 General clinical research center - Synthesis of cysteine from methionine-Route of alimentation (human)
 ** M01RR-00059-13 0160 General clinical research center - Metabolic effect of infusion of amino acid solutions by peripheral vein (human)
 ** M01RR-00068-12 0053 General clinical research center - Nutrition in patient with bowel scleroderma

- ** M01RR-00076-12 0036 General clinical research center - Evaluation maintenance nitrogen balance by parenteral nutrition (human)
 ** M01RR-00076-12 0037 General clinical research center - Evaluation of amino acid-glucose mixture for parenteral nutrition (human)
 ** M01RR-00081-12 0006 General clinical research center, premature infants - Hypercaloric intravenous feedings
 ** M01RR-00095-14 0044 General clinical research center - Parenteral alimentation in liver disease (human)
 M01RR-00123-11 0005 General clinical research center - Children - Types of malabsorption syndromes
 M01RR-00125-11 0223 General clinical research center - adult-child - Supplementary feeding in the premature infant
 ** M01RR-00128-10 0011 General clinical research center for children - Parenteral alimentation
 ** M01RR-00199-10 0050 General clinical research center for children - Parenteral hyperalimentation
 ** M01RR-00210-10 0013 General clinical research center - Maternal-child - Intravenous alimentation of premature infants (human)
 M01RR-00229-09 0024 General clinical research center - Persistent diarrhea in infants (human)
 ** M01RR-00284-08 0056 General clinical research center - pediatric - Peripheral hyperalimentation in regional enteritis
 ** M01RR-00322-08 0013 General clinical research center - Hyperalimentation and CA therapy (human)
 M01RR-00633-02 0004 General clinical research center - Intestinal hypertrophy after small bowel resection (human)
 ** M01RR-00633-02 0056 General clinical research center - Total parenteral nutrition in surgical patients
 ** M01RR-00645-03 0042 Clinical research center - Intravenous nutrition in infants and children
 M01RR-00645-03 0043 Clinical research center - Met acid balance (human)

NUTRITION, DIET SCHEDULE AND ROUTE, TUBE FEEDING

- R02NU-00508-01 City of Hope nursing research development grant
 M01RR-00036-14 0109 General clinical research center - Vivotec inflammatory bowel disease and short bowel syndrome (human)
 M01RR-00059-13 0145 General clinical research center - Effect of dietary carbohydrates on serum lipids and fecal steroids (human)
 M01RR-00059-13 0146 General clinical research center - Essential fatty acid deficiency in oral and IV fat free diets (human)
 M01RR-00059-13 0147 General clinical research center - Synthesis of cysteine from methionine-Route of alimentation (human)
 M01RR-00059-14 0062 General clinical research center - Neurobehavioral and clinical responses to hemodialysis (human)
 M01RR-00125-11 0223 General clinical research center - adult-child - Supplementary feeding in the premature infant

NUTRITION, DIET THERAPEUTIC

- SEE ALSO NUTRITION, DIET SCHEDULE AND ROUTE
 SEE ALSO NUTRITIONAL DISORDERS CHEMOTHERAPY
 SEE ALSO NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS
 R01AI-10689-03 0003 Resistance to infections in the neonate - C5 in human and other milks (goats, cows, formulae)
 R01AM-04401-14 Relation of treatment to diabetic complications (human)
 R01AM-04403-14 Relation of treatment to diabetic complications (human)
 R01AM-04412-14 Relation of treatment to diabetic complications (human)
 R01AM-04495-14 Relation of treatment to diabetic complications (human)
 R01AM-04524-14 0004 Requirements of polyunsaturated fatty acids - Diseases and nutritional problems involving fatty acid metabolism (human)
 ** R01AM-04837-14 Diet and mental development in galactosemia (human)
 R01AM-05422-13 Relation of treatment to diabetic complications (human)
 ** P02AM-05577-13 0005 Clinical research unit in rheumatic diseases - Dietary approach to treatment of ochronosis (human)
 P02AM-05630-12 0015 Metabolic unit for the Department of Medicine - Vitamin dependence of inborn errors of metabolism (human)
 R01AM-05648-14 Relation of treatment to diabetic complications (human)
 R01AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 R01AM-05968-14 0003 Lipid metabolism (human, rats) - Turnover and metabolism of cholesterol (human)
 R01AM-06737-12 Relation of treatment to diabetic complications (human)
 R01AM-06739-12 Relation of treatment to diabetic complications (human)
 R01AM-06744-12 Relation of treatment to diabetic complications (human)
 R01AM-06876-12 Relation of treatment to diabetic complications (human)

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- R01AM-07601-11 Relation of treatment to diabetic complications (human)
- R01AM-07854-11 Relation of treatment to diabetic complications
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- P01AM-08458-10 0002 Uremia and exchange of ions and water - Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs)
- R01AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
- R01AM-09113-11 Relation of treatment to diabetic complications (human)
- ** R01AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)
- P01AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- ** P01AM-09650-10 0014 Hormonal and ionic control of metabolism - Therapy of osteoporosis (human)
- ** R22AM-09980-09 0001 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hospital treatment
- ** R22AM-09980-09 0002 Infantile diarrhea and malnutrition (Peru, Baltimore) - Ambulatory treatment of diarrhea
- ** R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
- ** R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
- ** R22AM-09980-09 0009 Infantile diarrhea and malnutrition (Peru, Baltimore) - Indicators of protein status (human)
- ** R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** R22AM-13066-06 Bladder stone disease in Thailand (human)
- R01AM-13323-04 Interorgan movement of amino acids (dogs, human)
- R01AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
- P02AM-13430-05 0006 Research and heredity clinic - Inheritable jaundice (human)
- ** R01AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
- R01AM-14362-04 Regulation of purine metabolism in human cells
- R01AM-14528-05 Inborn errors of metabolism in cell culture (human)
- R01AM-14755-04 Diagnosis and therapy of Gauchers disease (human, rats, rabbits)
- ** R01AM-15197-03 Amino acid metabolism in experimental uremia (rats)
- R22AM-15242-03 Intestinal malabsorption in protein malnutrition (human)
- R01AM-15480-03 Tryptophan metabolism in pellagra (human)
- R01AM-15736-03 Physiology of operations for portal hypertension (human, dogs)
- R01AM-16097-02 Proinflammatory potential of polyunsaturated fat (human, rats)
- R01AM-16489-02 0008 Control of tissue rejection by zinc - Zinc and lipid peroxidation (rats)
- P17AM-17046-01 0003 Diabetes endocrinology center - Follow up of newly diagnosed diabetics (children)
- ** R01AM-17191-01 Medium chain fats-Physiology and clinical implications
- P17AM-17328-01 0005 Peptic ulcer center - Postprandial acid load to duodenum in duodenal ulcer (human)
- R01AM-17362-01 Intestinal absorption after bowel resection (human)
- ** R01AM-17369-01 Atherosclerosis therapy and cholelithiasis (monkeys, human)
- R01AM-18130-01 Insulin and human growth hormone - Secretion and metabolic actions
- NO1AM-42202-00 Evaluation of hollow fiber dialyzers (human)
- ** NO1AM-80707-12 Low protein diet on albumin metabolism in chronic uremia (human)
- NO1AM-90066-06 Study on amino acids and uremia (human)
- ** P02CA-05826-13 0042 Clinical cancer research center - Medical and metabolic studies-nutritional problems
- ** P02CA-05826-13 0055 Clinical cancer research center - Nutritional influences on therapeutic responses
- ** P02CA-05826-13 0066 Clinical cancer research center - Liquid diet for malabsorption in cancer
- R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- ** R01CA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice)
- R01CA-12080-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
- ** P02CA-14520-02 0013 Wisconsin Clinical Cancer Center - Vitamin B6, steroid hormones and energy (human)
- ** R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
- ** P01ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
- ** R01ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
- ** R01ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
- R01EY-00225-13 Studies on leas metabolism (rats, rabbits)
- P01GM-16436-06 0052 Bioengineering program project - Cardiac performance in hyperlipoproteinemia (human)
- P01GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
- P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- P01GM-19489-03 0032 Study of human genetics - Hemoglobinopathies, particularly sickle cell anemia
- ** R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
- P01HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
- P01HD-04024-06 0008 Mental retardation research center - Developmental pediatrics
- P01HD-04147-06 0009 Research in mental retardation - Metabolic research unit
- P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- P01HD-06364-03 0003 Maternal protein restriction and mental retardation - Electrophysiological indices of brain malnutrition (rats)
- R01HD-08416-03 Antenatal diagnosis of inherited amino acid disorders (human)
- R01HD-06468-01 Bilirubin toxicity-Metabolic effects of phototherapy (rats)
- R01HD-07074-01 Mechanism controlling rate (rats)
- R01HD-07088-02 Nutritional effects on serum gonadotropin in women
- P01HD-07578-01 0003 Growth and nutrition of normal infants - Proteins and amino acids (human)
- R01HD-08432-01 0001 Parenteral nutrition in newborn animals - Overall somatic growth and organ growth (dogs)
- R01HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
- R01HD-08432-01 0003 Parenteral nutrition in newborn animals - Lipid composition of brain and fatty acid status
- R01HD-08641-01 Aging and metabolism in skeletal muscle (rats)
- R01HL-01803-20 0005 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Immunologic and dietary synergy in atherosclerosis and its regression (rabbits)
- R01HL-03299-17 Dietary effects on cholesterol metabolism (rats, rabbits)
- P01HL-06835-13 0008 Cardiovascular disease - Atherosclerosis (human, dogs, rats, rabbits)
- P01HL-08195-12 0019 Circulatory physiology - Theory and development
- ** P01HL-08805-10 0011 Cardiovascular and pulmonary performance - Hyperlipidemia and atherosclerosis (human, animals)
- ** P01HL-08974-10 0009 Natural and experimental atherosclerosis - Early atherosclerosis by changes of diet in primates
- ** P01HL-08974-10 0010 Natural and experimental atherosclerosis - Cholesterol metabolism in primates
- ** P01HL-08974-10 0022 Natural and experimental atherosclerosis - Cell proliferation in intimal lesions following return to basal diet (monkeys)
- P01HL-08974-10 0024 Natural and experimental atherosclerosis - Sterol degradation (baboons, monkeys)
- ** R01HL-09686-09 Diet and human cardiovascular disease
- R01HL-10878-08 Structure and function of serum lipoproteins (human)
- R01HL-11901-07 0001 Meal bypass effect on cholesterol and atherosclerosis - Clinical ileal bypass program
- R01HL-11901-07 0006 Meal bypass effect on cholesterol and atherosclerosis - Drug therapy with ileal bypass (rabbits)
- R01HL-11901-07 0009 Meal bypass effect on cholesterol and atherosclerosis - Cholesterol cord blood and family management program
- P01HL-13108-05 0036 Clinical heart transplantation - Lipoprotein abnormalities in the transplanted heart patient
- ** R01HL-13654-03 Antilipemic regimes in peripheral arteriosclerosis (human)
- P17HL-14164-04 0002 Arteriosclerosis research center - Vascular function and circulation in extremities of atherosclerosis (monkeys)
- ** P17HL-14177-04 0011 Center for prevention and treatment of atherosclerosis - Regression of atherosclerotic lesions (swine)
- P17HL-14196-04 0002 Lipids, thrombosis and genetics in atherosclerosis - Drug effect on cholesterol degradation to bile acids (human)
- P17HL-14196-04 0008 Lipids, thrombosis and genetics in atherosclerosis - Lipoproteins in children-Role of genetics and diet
- ** P17HL-14207-04 0005 Early detection and prevention of arteriosclerosis - Dietary intervention therapy in children with serum lipoprotein abnormalities
- P17HL-14209-04 0001 The MIT arteriosclerosis center - Risk factor analysis (human)
- P17HL-14209-04 0006 The MIT arteriosclerosis center - Blood coagulation in hyperlipoproteinemia (human)
- ** P17HL-14230-04 0023 Lipids, atherosclerosis and thrombosis - Cholesterol-free diet after diet-induced atherosclerosis (primates)
- P17HL-14230-04 0050 Lipids, atherosclerosis and thrombosis - Serum lipid levels in patients with acute anorexia nervosa (human)
- P17HL-14230-04 0062 Lipids, atherosclerosis and thrombosis - Arterial fibrous proteins after atherogenic and regression regimes (monkeys)
- P17HL-14230-04 0079 Lipids, atherosclerosis and thrombosis - Sitensterol and cholesterol in diet upon sterol balance (human)
- P17HL-14236-04 0001 Prevention of premature arteriosclerosis - Metabolism and transport of cholesterol and vitamin A (human, rats, rabbits)
- P17HL-14236-04 0005 Prevention of premature arteriosclerosis - Hypertension and hyperlipoproteinemia (human, rats)
- P17HL-14236-04 0010 Prevention of premature arteriosclerosis - Computer programs
- ** P17HL-14236-04 0011 Prevention of premature arteriosclerosis - Nutritional program
- P17HL-14237-04 0006 Arteriosclerosis center - Drug treatment of familial hyperbeta lipoproteinemia (human)
- R01HL-14460-03 Atherosclerosis studies in vivo and in cell culture (monkeys)
- P17HL-15062-03 0018 Study of lipoproteins, artery wall, and atherosclerosis - Reversal studies of atherosclerosis in the Rhesus monkey (also rabbits)
- P17HL-15103-03 0009 Specialized center of research-arteriosclerosis - New Orleans school children-Dietary intervention
- P17HL-15103-03 0010 Specialized center of research-arteriosclerosis - Experimental models-Induction of lesions (monkeys)
- R01HL-15308-02 Assays for peptides of lipoproteins (human)
- ** R01HL-15504-02 Animal model for studies of averting atherosclerosis (swine)
- R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- R01HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)
- R01HL-16559-01 0002 Dynamics of lipoprotein structure and atherosclerosis (human) - Animal models (green monkey, miniature pigs)
- R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- ** NO1HV-12159-04 Lipid research clinic (human)
- ** NO1HV-12160-05 Establishment of a lipid research clinic (human)
- ** NO1HV-12161-05 Establishment of lipid research clinic (human)
- ** NO1HV-12243-05 Lipid clinic patient registry and coordinating center
- NO1HV-12434-04 Therapy for hypertension in the general population
- ** NO1HV-22923-04 Educational diagnosis in nutrition
- NO1HV-22976-03 Multiple risk factor intervention trial, prevention of coronary heart disease
- NO1HV-22982-02 Multiple risk factor intervention trial for prevention of coronary heart disease
- NO1HV-22983-03 Prevention of coronary disease
- NO1HV-32931-04 Establishment of a lipid research clinic center
- NO1HV-33101-03 Development and conduct of a multiple risk factor intervention trial
- NO1HV-33104-01 Prevention of coronary heart disease (human)
- NO1HV-33105-01 Intervention trial for prevention of coronary heart disease (human)
- NO1HV-33106-02 Intervention trial for the prevention of coronary heart disease (human)
- NO1HV-33107-01 Intervention for the prevention of coronary heart disease (men)
- NO1HV-33108-01 Prevention of coronary heart disease (human)
- NO1HV-33109-01 Intervention trial for the prevention of coronary heart disease
- NO1HV-33110-01 Prevention of coronary heart disease (human)
- NO1HV-42929-00 Risk factor intervention trial for the prevention of CHD (human)
- NO1HV-42930-00 Risk factor intervention trial for the prevention of CHD (human)
- NO1HV-42931-00 Risk factor intervention trial for the prevention of CHD (human)
- NO1HV-42932-00 Risk factor intervention trial for the prevention of CHD (human)
- NO1HV-42933-00 Multiple risk factors in coronary heart disease
- R01NS-05096-11 0002 New amine acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)
- R01NS-05096-11 0006 New amine acid disorders in cerebral disease - Maternal phenylketonuria (mothers, children)
- ** P01NS-06208-09 0011 Epilepsy research program - Ketogenic diet in treatment of intractable epilepsy (human)
- ** R01NS-09785-03 Trial of MCT diet in intractable childhood epilepsy (children, rats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01NS-09808-02 Seizures, ketosis and cerebral metabolism (rats)
 R01NS-09990-01 Undernutrition and the immature nervous system (rats)
 R01NS-10262-03 Anticonvulsant and psychoactive drug-induced osteomalacia (human, human)
 P01NS-11131-01 0018 Extrapyramidal and related behavioral disorders - Long term study of patients receiving levodopa
 M01RR-00030-13 0001 General clinical research center - Glycogen storage disease (human)
 ** M01RR-00030-13 0030 General clinical research center - Relationship of gut biocenology to selected human disease
 ** M01RR-00030-13 0077 General clinical research center - Metabolic and endocrine effect of rice diet (human)
 ** M01RR-00030-13 0122 General clinical research center - Effect of low carbohydrate diet on reactive hypoglycemia (human)
 M01RR-00032-14 0050 General clinical research center - Parenteral nutrition
 M01RR-00032-14 0061 General clinical research center - Therapy of idiopathic postural hypotension
 M01RR-00032-14 0065 General clinical research center - Mucopolysaccharide metabolism in maroteau lany syndrome
 M01RR-00032-14 0072 General clinical research center - Myo-inositol metabolism in uremia (human)
 M01RR-00034-14 0029 General clinical research center - Management of short bowel syndrome and chronic hypochloremic alkalosis (human)
 ** M01RR-00034-14 0058 General clinical research center - Calcium absorption in lactulose intolerant patients fed dairy products (human)
 M01RR-00036-14 0147 General clinical research center - Prevention of secondary hyperparathyroidism in renal disease (human)
 ** M01RR-00039-14 0034 General clinical research center - Infantile cystinosis (human)
 ** M01RR-00040-14 0076 General clinical research center - Manic-depression, recurrent depression and indole-catechol free diet (human)
 M01RR-00042-14 0002 General clinical research center - Intestinal malabsorption (human)
 M01RR-00046-14 0014 General clinical research center - Alcoholic hepatitis (human)
 M01RR-00047-14 0074 General clinical research center - Iodine depletion for tumor uptake of radiiodine in thyroid carcinoma (human)
 ** M01RR-00047-14 0098 General clinical research center - Modification of response to L-dopa by diet changes (human)
 ** M01RR-00050-13 0025 Wilson's disease - Low residue diets in intestinal malabsorption (human)
 M01RR-00050-13 0030 Wilson's disease - Effect of pressure control on hypertension and its sequelae (human)
 ** M01RR-00050-13 0038 Wilson's disease - Synthetic amino acids for nutrition in pancreatic insufficiency (human)
 M01RR-00051-13 0004 General clinical research center - Correction of Ca and P04 abnormalities in renal disease (human)
 M01RR-00051-13 0098 General clinical research center - Pseudo xanthoma elasticum (human)
 M01RR-00051-13 0126 General clinical research center - Fecal excretion and enterohepatic circulation of bile salts in diarrhea (human)
 ** M01RR-00051-13 0147 General clinical research center - Elemental diet in malabsorption states and chronic disorders
 ** M01RR-00052-13 0013 General clinical research center for children - Dietary treatment of phenylketonuria
 ** M01RR-00052-13 0042 General clinical research center for children - Treatment of lipoproteinemia
 M01RR-00056-13 0056 General Clinical Research Center - Amino acid, sodium and water absorption in diarrhea (human)
 ** M01RR-00058-13 0038 General clinical research center - Effect low calcium diet in hyperparathyroidism and urinary tract stones (human)
 M01RR-00059-13 0024 General clinical research center - Effect of dietary carbohydrate on serum tryglyceride (human)
 ** M01RR-00059-13 0137 General clinical research center - Dietary treatment of hyperlipidemia (human)
 ** M01RR-00062-12 0047 Clinical research center, children - Glycogen storage disease treated with diet enriched in medium chain triglyceride
 M01RR-00064-10 0006 General clinical research center - Disorders of hemoglobin synthesis (human)
 ** M01RR-00064-10 0070 General clinical research center - Obesity in children and adolescents
 M01RR-00068-12 0010 General clinical research center - Familial hypertriglyceridemia (children)
 ** M01RR-00068-12 0012 General clinical research center - Genetics of familial hyperlipoproteinemia (human)
 ** M01RR-00068-12 0018 General clinical research center - Juvenile diabetes treated with unmeasured diet
 M01RR-00069-12 0020 General clinical research center, children - Enzyme variants in methylmalonic aciduria
 M01RR-00069-12 0042 General clinical research center, children - Phenylketonuria collaborative study
 ** M01RR-00069-12 0059 General clinical research center, children - Dietary management of inborn errors of metabolism
 ** M01RR-00069-12 0090 General clinical research center, children - Studies of ketogenic diet
 M01RR-00070-12 0008 General clinical research center - Pathophysiology of epilepsy (human)
 M01RR-00073-12 0051 General clinical research center - Chronic diarrhea and failure to thrive in infancy (human)
 M01RR-00073-12 0069 General clinical research center - Tyrosinemia-Effect of low tyrosine diet (human)
 ** M01RR-00076-12 0038 General clinical research center - Nutritional therapy hepatic encephalopathy with essential amino acids (human)
 M01RR-00084-12 0004 General clinical research center-children - Juvenile diabetes mellitus
 M01RR-00084-12 0025 General clinical research center-children - Lipid abnormalities and relationship to arteriosclerosis
 M01RR-00086-12 0001 General clinical research center-children - Metabolic problems involving amino acids and related compounds
 ** M01RR-00088-11 0013 General clinical research center - Diet and drug therapy relation to lipoprotein in hyper- and hypolipidemia (human)
 ** M01RR-00096-14 0031 Clinical research center - Dietary therapy of maple syrup urine disease (human)
 M01RR-00096-14 0057 Clinical research center - Vascular disease in diabetes (human)
 ** M01RR-00086-14 0064 Clinical research center - Dietary therapy in disturbances of amino acid metabolism (human)
 ** M01RR-00125-11 0139 General clinical research center-adult-child - Natural history of adult colic sprue
 ** M01RR-00125-11 0174 General clinical research center-adult-child - Synthetic low residue diet in intestinal disease
 ** M01RR-00125-11 0192 General clinical research center-adult-child - Synthetic elemental diet in chronic inflammatory bowel disease
 ** M01RR-00125-11 0228 General clinical research center-adult-child - Ketogenic diets for control of intractable convulsive disorders
 ** M01RR-00128-10 0073 General clinical research center for children - Non-pharmacological therapy in epilepsy
 ** M01RR-00133-10 0060 General clinical research center - Lactose content methods of tube feeding in diarrhea (human)
 M01RR-00188-10 0018 General clinical research center for children - Tissue electrolytes in malnutrition
 ** M01RR-00188-10 0073 General clinical research center for children - Use of middle chain triglycerides in ketogenic diet for epilepsy
 M01RR-00199-10 0023 General clinical research center for children - Phenylketonuria
 ** M01RR-00199-10 0065 General clinical research center for children - Evaluation of diet in hypercholesterolemia
 M01RR-00199-10 0066 General clinical research center for children - Hyperlipidemia
 ** M01RR-00229-09 0025 General clinical research center - Phenylketonuria (human)
 M01RR-00261-09 0036 General clinical research center - Hypoproteinemia and protein-losing enteropathy (human)
 M01RR-00261-09 0051 General clinical research center - Phenylketonuria and other inborn errors of metabolism (human)
 M01RR-00261-09 0088 General clinical research center - Bile acid metabolism in children
 M01RR-00284-08 0048 General clinical research center-pediatric - Trial of medium chain triglycerides in intractable convulsive disorders
 M01RR-00287-08 0005 General clinical research center - Glucose homeostasis in diabetics (human)
 M01RR-00400-06 0024 General clinical research center-adult - Calcium infusion for steroid induced osteoporosis (human)
 ** M01RR-00400-06 0057 General clinical research center-adult - Low methionine diet in homocystinuria (human)
 M01RR-00425-06 0025 General clinical research center - Hemodynamic studies in chronic uremia (human)
 M01RR-00585-03 0012 General clinical research center - Drug effect on cholesterol degradation to bile acids (human)
 M01RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
 M01RR-00645-03 0028 Clinical research center - Metabolism and transport of cholesterol (human)
 M01RR-00722-02 0006 General Clinical Research Center - Natural history of diabetic retinopathy (human)
 M01RR-00749-02 0038 General clinical research center - Effects of medium chain triglycerides on intestinal fluid absorption (human)
 ** M01RR-00749-02 0042 General clinical research center - Medium chain triglyceride diet for seizure disorders (human)
 ** M01RR-00750-02 0016 General clinical research center - Homocystinuria-Evaluation of therapy
 ** M01RR-00827-01 0005 General clinical research center - Lipoprotein turnover in dietary responsive type II hyperlipoproteinemia
 M01RR-00827-01 0007 General clinical research center - Causes and treatment of gallstones (human)
 M01RR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation
 M01RR-00828-01 0043 General clinical research center - Amino acid metabolism in uremia (human)
 M01RR-00865-01 0025 General clinical research center - Childhood risk factors-Relation to atherosclerosis
 ** M01RR-00865-01 0036 General clinical research center - Eosinophilic gastroenteritis (human)
NUTRITION, DIET THERAPEUTIC, REDUCING DIET
 R01AM-06749-10 Cholesterol metabolism in the intact animal (baboons)
 ** P02AM-10202-08 0001 Studies in human nutrition - Optimal weight reduction diet in obesity (human)
 ** R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
 R01AM-13321-06 Metabolic and morphologic studies of obesity (human, rats)
 ** P17AM-17624-01 0009 Obesity center - Rate and composition of weight loss as influenced by diet (human)
 ** P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
 R01HD-03326-07 0001 Effects of early nutrition on growth and development - Metabolic studies (human)
 ** R01HD-03719-10 Metabolic and behavioral studies of human obesity
 P01HL-08195-12 0017 Circulatory physiology - Concentration of acetone in alveolar gas (human)
 P17HL-14138-04 0010 Center for research on atherosclerosis - Premature atherosclerosis (human)
 ** M01RR-00030-13 0118 General clinical research center - Childhood obesity
 ** M01RR-00030-14 0087 General clinical research center - Metabolic effects of acute weight reduction in patients with exogenous obesity
 M01RR-00042-14 0048 General clinical research center - Effect of starvation on metabolism in obesity (human)
 M01RR-00071-11 0034 General clinical research center - Effect of early nutrition on development of human adipose tissue
 ** M01RR-00088-11 0042 General clinical research center - Metabolic and tissue changes for protein sparing diet (human)
 M01RR-00088-11 0045 General clinical research center - Management of hyperlipoproteinemia and arteriosclerosis (human)
 M01RR-00633-02 0024 General clinical research center - Effects of obesity on cardiovascular performance (human)
 ** M01RR-00828-01 0026 General clinical research center - Nocturnal growth hormone secretion in obesity (human)
 M01RR-00828-01 0037 General clinical research center - Effect on androgen metabolism in syndrome of diabetes, hirsutism and obesity
NUTRITION, DIET THERAPEUTIC, SALT RESTRICTED
 P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
 ** P01AM-16281-02 0001 Uremia-pathogenesis, effects, and possible prevention - Patterns of sodium excretion with proportional reduction of sodium (dogs)
 P01AM-16281-02 0002 Uremia-pathogenesis, effects, and possible prevention - Natriuretic serum factor in adapted vs unadapted dogs
 P01AM-16281-02 0005 Uremia-pathogenesis, effects, and possible prevention - Sodium control system (human)
 P01AM-16281-02 0006 Uremia-pathogenesis, effects, and possible prevention - Role of physical factors in sodium control (dogs, rats)
 ** P01AM-16281-02 0013 Uremia-pathogenesis, effects, and possible prevention - Proportional reduction of sodium, protein and specific amino acids
 R01HL-14133-04 Intrarenal regulation of sodium reabsorption (dogs)
 P17HL-14159-04 0003 Specialized center of research in hypertension - Renin system, salt and water metabolism in toxemic pregnancy (human)
 R01HL-16148-01 Neural control of renal function (dogs)
 M01RR-00031-14 0030 General clinical research center - Pituitary-adrenal axis-hypertension
 M01RR-00031-14 0037 General clinical research center - Hemodynamics and endocrine patterns in hypertension (human)
 M01RR-00031-14 0047 General clinical research center - Pituitary-adrenal axis-Aldosterone secretion in hyperthyroidism (human)
 ** M01RR-00036-14 0078 General clinical research center - Aldosterone response to low sodium diet in adrenalectomized syndrome (human)
 M01RR-00037-14 0105 General clinical research center - Hypertension and renal function in polycystic kidney (human)
 M01RR-00052-13 0049 General clinical research center for children - Turner's syndrome
 M01RR-00056-13 0053 General Clinical Research Center - Effect of postures on cycles of renal and adrenal function (human)
 M01RR-00070-12 0012 General clinical research center - Secretion of aldosterone in hypertension (human, rabbits)
 M01RR-00080-12 0008 General clinical research center - Distal tubular disorders (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- M01RR-00125-11 0191 General clinical research center-adult-child - Role of adrenergic and renin-angiotensin systems in release of prostaglandins
- M01RR-00287-08 0039 General clinical research center - Renin-angiotensin-aldosterone system in renal hypertension (human)
- M01RR-00322-08 0006 General clinical research center - Hematopoiesis disorders in cardiovascular disease (human)
- M01RR-00334-08 0028 General clinical research center - Functional characteristics of transplanted kidney in man

NUTRITION, DIETARY AMINO ACIDS

- R01AM-02244-16 Carbohydrate metabolism (human, dogs)
- ** R01AM-13323-04 Interorgan movement of amino acids (dogs, human)
- ** R01AM-15227-04 Effect of age on sulfur amino acid metabolism (rats)
- ** R01AM-15364-04 Nutritional regulation of protein metabolism (rats)
- R01AM-15480-03 Tryptophan metabolism in pellagra (human)
- ** R01AM-15892-03 Plasma amino acids and human amine acid needs
- R01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- ** R01AM-16836-01 Plasma amino acid method to assess amino acid needs (rats)
- R01AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
- ** R22AM-17086-01 Amino acid requirements of pre-school age children
- P17AM-17328-01 0003 Peptic ulcer center - Gastric acid secretion after eating in duodenal ulcer patients
- R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- R01CA-16308-01 Free amino acids in normal and tumor-bearing mice
- PO1DE-02552-08 0003 Microbial pathogenesis of human dental caries - Biochemistry (Streptococci, hamsters)
- R01EY-00225-13 Studies on lens metabolism (rats, rabbits)
- R01EY-00753-02 Biochemical cytology of metabolic eye diseases (rats)
- R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
- R01HD-01784-09 Growth patterns and body composition (swine miniature)
- PO1HD-02147-08 0003 Extrauterine growth and development - Pancreas (mice, rats)
- PO1HD-02147-08 0008 Extrauterine growth and development - Parenteral nutrition and adaptation of digestive enzymes (human)
- R01HD-02920-08 Lysine metabolism in infants and children
- R01HD-05394-04 Amino acids and prenatal brain development (rats)
- ** PO1HD-07578-01 0003 Growth and nutrition of normal infants - Proteins and amino acids (human)
- R01HD-08300-01 Protein needs of elderly people
- R01HD-08434-01 0001 Metabolic studies of parenteral nutrition in infants - Varying protein intake
- R01HD-08434-01 0002 Metabolic studies of parenteral nutrition in infants - Urea and arginine metabolism in total parenteral nutrition
- M01RR-00056-13 0056 General Clinical Research Center - Amino acid, sodium and water absorption in diarrhea (human)
- ** M01RR-00059-13 0147 General clinical research center - Synthesis of cysteine from methionine-Route of alimentionation (human)
- M01RR-00076-12 0037 General clinical research center - Evaluation of amino acid-glucose mixture for parenteral nutrition (human)
- M01RR-00076-12 0038 General clinical research center - Nutritional therapy hepatic encephalopathy with essential amino acids (human)
- ** M01RR-00088-11 0002 General clinical research center - Protein and amino acid requirements in man
- M01RR-00088-11 0046 General clinical research center - Protein calorie requirements during trauma, sepsis and infection (human)
- M01RR-00088-11 0051 General clinical research center - Effect of insulin on amino acid metabolism (human)
- ** P06RR-00640-03 0001 Nutritionally defined gnotobiotic development and use - Chemically defined water-soluble diet for reproducing germ free mice

NUTRITION, DIETARY AMINO ACIDS, ESSENTIAL AMINO ACIDS

- R01AM-14762-04 Role of protein structure in amino acid availability (plants,rats)
- R01AM-15856-03 Dietary protein intake and human protein metabolism
- R01AM-15892-03 Plasma amino acids and human amino acid needs
- ** R01HD-02760-07 Amino acid requirements of premature infants (human)

NUTRITION, DIETARY CONSTITUENTS

SEE ALSO CHEMICALS UNLISTED ELSEWHERE, ELEMENTS, TRACE ELEMENTS

- SEE ALSO VITAMINS)
- ** R01AM-04732-13 Influence of nutrition on enzyme systems (rats)
- R01AM-07672-11 Metabolic changes during early lactation (rats, cattle)
- R01AM-08171-11 Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms)
- ** R01AM-08533-10 Utilization of essential amino acids by man (also rats)
- PO2AM-10202-08 0003 Studies in human nutrition - Lactose malabsorption in relation to age, ethnic background and nutrition
- PO2AM-10202-08 0004 Studies in human nutrition - Effects of wine on metabolic functions in man
- ** PO2AM-10202-08 0005 Studies in human nutrition - Availability of folacin in feed
- ** PO2AM-10202-08 0006 Studies in human nutrition - Trace metal metabolism
- R01AM-12386-08 Studies on biological transport mechanisms (chickens)
- ** R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
- R01AM-14991-03 The excretion of uric acid (birds)
- ** R01AM-15144-03 Anemia, pancreatic atrophy, defatted diets (rats, mice)
- R01AM-15241-04 Surgical studies in gastrin metabolism (human, dogs, rabbits, rats)
- R01AM-15511-03 Hypothalamic control of body weight and feeding (rats, squirrel)
- R01AM-15603-03 Therapeutic value of augmented nitrogen reutilization (human, rabbits)
- ** R01AM-16014-03 Comparative nutrient content, and utilization of food (human, laboratory animals)
- R01AM-16214-14 Metabolism and analysis of goiter-inducing indoles (wood plant)
- R01AM-16217-02 Obesity and the regulation of appetite (monkeys)
- PO1AM-16281-02 0009 Uremia-pathogenesis, effects, and possible prevention - Prevention of secondary hyperparathyroidism (human)
- R01AM-16489-02 0008 Control of tissue rejection by zinc - Zinc and lipid peroxidation (rats)
- R01AM-16557-01 Regulation of growth and growth hormone (human, rats)
- R01AM-16652-02 Control of collagen biosynthesis in liver cirrhosis (rats, human)
- R01AM-16663-03 Electrophysiology of skin and kidney tubules (frogs, rabbits)
- R01AM-16673-02 Factors controlling lipogenic activation and inactivation (mice)
- ** R01AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
- P17AM-17026-01 0005 Vanderbilt University Diabetes-Endocrinology Center - Computer techniques in diabetics for diabetics
- R01AM-17259-01 Body nutrient reserves and feeding behavior (rats, mice)
- R01AM-17509-01 Binding and transport functions of intestinal microvilli (hamsters, rats, dogs)
- M01AM-80707-12 Low protein diet on albumin metabolism in chronic uremia (human)
- R01CA-02146-21 Cytoplasmic factors in cellular growth (rats)
- PO2CA-14520-02 0013 Wisconsin Clinical Cancer Center - Vitamin B6, steroid hormones and energy (human)
- R01CA-14703-01 Epidemiology of cancer in Adventists-A low risk group (human)
- R01CA-15979-01 0001 Cholesterol metabolism in normal and malignant liver - Hydroxymethylglutaryl Co A reductase characterization (rats)
- M01CP-12310-06 Colon carcinogenesis (rodents)
- ** M01CP-43347-00 Development and application of methods for N-Itrosro compounds
- ** M01CP-43348-00 Development and application of analytical methods for N-Itrosro compounds
- M01CP-43378-00 Colon carcinogenesis (rodents)
- R01DE-03976-01 Streptococcus mutans and dental caries formation
- M01DE-42442-00 Nutrition on the epithelium of oral mucous membranes
- PO1ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amino acid metabolism (rats, fish)
- ** R01FD-00607-01 Antinutritional effects of modified food starches (rats)
- ** R01GM-00091-29 Structure, function of enzymes-Role of metals (rat)
- ** R01HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
- R01HD-06337-03 Kidney (dogs)
- R01HD-07078-02 Growth and development of human fetal brain in vitro
- R01HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
- ** PO1HD-07578-01 0002 Growth and nutrition of normal infants - Effects of dietary composition on food consumption and growth (human)
- ** PO1HD-07578-01 0006 Growth and nutrition of normal infants - Minerals-Calcium, phosphorus, magnesium (human)

- R01HD-08313-02 Regulation of anterior pituitary function in rat and man
- M01HD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r
- R01HL-02008-20 Pathogenesis of arterial hypertension (rats, rabbits)
- R01HL-05360-15 Cholesterol metabolism and hypocholesterolemic drugs (rats)
- ** R01HL-06242-14 Kinetic studies of blood (human)
- ** R01HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
- R01HL-14062-03 Cholesterol turnover (miniature pig)
- P17HL-14194-04 0002 Pathophysiology of atherosclerosis - Fatty acid synthesis in arterial wall (human, chickens)
- P17HL-14230-04 0047 Lipids, atherosclerosis and thrombosis - Alcohol on hyperbetaalipoproteinemia (human)
- ** P17HL-14230-04 0058 Lipids, atherosclerosis and thrombosis - Dietary cholesterol on sterol balance of Tarahumara Indians
- P17HL-14230-04 0081 Lipids, atherosclerosis and thrombosis - Sterol balance studies in pregnancy (human)
- P17HL-14237-04 0001 Arteriosclerosis center - Specific apolipoproteins in lipoprotein structure, function (human, rats)
- R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- R01LM-01655-02 Toxic plants of the Caribbean
- R01NS-01941-16 Neurophysiology of food intake (rodents)
- ** M01RR-00031-14 0032 General clinical research center - Effect of sodium intake on renal blood flow (human)
- M01RR-00031-14 0065 General clinical research center - Na intake and renal-adrenal response to angiotensin II (human, rabbits)
- M01RR-00031-14 0066 General clinical research center - Influence of birth control pill on renal responsiveness to angiotensin II (human)
- M01RR-00031-14 0068 General clinical research center - Pituitary-adrenal relationship-Aldosterone secretion in normal man
- M01RR-00036-14 0068 General clinical research center - Long-term followup of hyperlipoproteinemia (human)
- ** M01RR-00036-14 0187 General clinical research center - Effect of dietary composition on insulin secretion in obesity (human)
- M01RR-00039-14 0064 General clinical research center - Ammonia content of food
- M01RR-00042-14 0002 General clinical research center - Intestinal malabsorption (human)
- M01RR-00043-14 0026 General clinical research center - Hepatic glucuronyl-transferase in Gilberts disease (human)
- M01RR-00043-14 0082 General clinical research center - Progress of PGA1 dynamics and production rates (human)
- M01RR-00044-14 0060 General clinical research center - Diseases of ectopic calcification (human)
- M01RR-00046-14 0037 General clinical research center - Feasibility of home intravenous hyperalimentation (human)
- ** M01RR-00046-14 0052 General clinical research center - Dietary Ca:P ratios in human
- M01RR-00051-13 0147 General clinical research center - Elemental diet in malabsorption states and chronic disorders
- M01RR-00056-13 0056 General Clinical Research Center - Amino acid, sodium and water absorption in diarrhea (human)
- M01RR-00056-13 0068 General Clinical Research Center - Polycystic kidney disease (human)
- M01RR-00058-13 0038 General clinical research center - Effect low calcium diet in hyperparathyroidism and urinary tract stones (human)
- M01RR-00059-13 0153 General clinical research center - Effects of dietary sodium and potassium on blood pressure (human)
- M01RR-00060-13 0043 General clinical research center - Sodium intake and furosemide administration in hypertensive azotemia (human)
- M01RR-00068-12 0053 General clinical research center - Nutrition in patient with bowel scleroderma
- M01RR-00076-12 0026 General clinical research center - Effect of chronic digitalization on heart function (human)
- ** M01RR-00088-11 0041 General clinical research center - Dietary induced changes in serum amino acids and fatty acids (human)
- M01RR-00102-11 0005 General clinical research center - Studies in porphyria (human)
- M01RR-00109-11 0023 General clinical research center - Effect of urinary ammonia excretion on potassium excretion (human)
- M01RR-00109-11 0049 General clinical research center - Effect of potassium on urine acidification (human)
- M01RR-00188-10 0081 General clinical research center for children - Development of rickets on normal dietary vitamin D
- ** M01RR-00210-10 0013 General clinical research center-Maternal-child - Intravenous alimentation of premature infants (human)
- ** M01RR-00425-06 0007 General clinical research center - Effect of fasting and dietary composition on bile pigment metabolism (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** MO1RR-00533-06 0002 General clinical research center, adult 2 Control of HGH in intact man
 MO1RR-00645-03 0039 Clinical research center - Aspects of malabsorption in cystic fibrosis (human)
 MO1RR-00645-03 0043 Clinical research center - Met acid balance (human)
 MO1RR-00645-03 0046 Clinical research center - Metabolic response in short bowel syndrome and in ileostomy (infant, human)
 MO1RR-00722-02 0005 General Clinical Research Center - Mineralocorticoid metabolism in hypertension and catecholamine production (human)
 MO1RR-00827-01 0009 General clinical research center - Effect of sodium, posture antihypertensive agents on renin-aldosterone (human)

NUTRITION, DIETARY CONSTITUENTS, CALORIC CONTENT

- SEE ALSO NUTRITION, DIET THERAPEUTIC, REDUCING DIET
 RO1AM-09520-09 Nutritive value of proteins (rats, monkeys)
 RO1AM-15856-03 Dietary protein intake and human protein metabolism
 RO1AM-16654-02 0003 Nutrition and muscle protein turnover by new methods - Studies with human subjects
 RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
 RO1AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
 RO1AM-17357-01 Effect of exercise on adipose tissue cellularity (rats)
 P17AM-17624-01 0009 Obesity center - Rate and composition of weight loss as influenced by diet (human)
 ** RO1AM-17708-01 Protein-energy relationships in malnutrition
 NO1DE-42441-00 Nutrition on the epithelium of oral mucous membranes (primates)
 RO1GM-20630-02 New concepts in parenteral protein sparing therapy (rats, dogs, swine)
 PO1HD-02147-08 0012 Extraterine growth and development - Bilirubin production in infancy (dogs, human)
 PO1HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
 RO1HD-07032-01 Malnutrition and behavioral development in monkeys
 PO1HD-07578-01 0001 Growth and nutrition of normal infants - Normative data (human)
 PO1HD-07578-01 0002 Growth and nutrition of normal infants - Effects of dietary composition on food consumption and growth (human)
 PO1HL-08195-12 0019 Circulatory physiology - Theory and development
 P17M-14230-04 0049 Lipids, atherosclerosis and thrombosis - Dietary fat modification in type V hyperlipidemia (human)
 P17HL-14230-04 0050 Lipids, atherosclerosis and thrombosis - Serum lipid levels in patients with acute anorexia nervosa (human)
 PO1MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 RO1MH-22319-02 External and internal factors in food regulation
 ** MO1RR-00036-14 0181 General clinical research center - Effect of exercise on caloric intake and serum triglycerides (human)
 MO1RR-00037-14 0128 General clinical research center - Evaluation of intralipid as a calorie source in parenteral nutrition
 MO1RR-00081-12 0006 General clinical research center, premature infants - Hypercaloric intravenous feedings
 MO1RR-00088-11 0046 General clinical research center - Protein calorie requirements during trauma, sepsis and infection (human)
 MO1RR-00088-11 0047 General clinical research center - Cellular immunity in nutritional states (human)

NUTRITION, DIETARY LIPIDS

- RO1AA-00204-03 Alcohol and diet effects on lipid metabolism in heart (rats)
 RO1AA-00242-06 0001 Alcoholism and diseases of the heart - Animal studies (dogs, monkeys)
 RO1AI-10095-03 Surgical pathophysiology in gnotobiotic animals (rats, dogs)
 RO1AM-02483-16 Metabolism of unsaturated fatty acids (rumen bacteria, mice, chickens)
 ** RO1AM-02911-15 Metabolic aspects of obesity (mice)
 PO2AM-04501-13 0019 Metabolic disease research center - Intestinal absorption of vitamin D and lipids (rats)
 ** RO1AM-04942-14 Effect of dietary fat on glyceride structure (rats)
 RO1AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
 M RO1AM-06011-13 Diet control of lipid metabolism
 ** RO1AM-06011-13 0002 Diet control of lipid metabolism - Inhibition of fatty acid biosynthesis in the adult by diet fat (rats)
 ** RO1AM-06011-13 0003 Diet control of lipid metabolism - Enzyme development by dietary manipulation during morphogenesis (rats, swine)

- ** RO1AM-06011-13 0006 Diet control of lipid metabolism - Effect of dietary lipids on lipogenesis in fish
 ** RO1AM-06011-13 0008 Diet control of lipid metabolism - Serum cholesterol adaptation to diet cholesterol (baboons)
 ** RO1AM-06011-13 0009 Diet control of lipid metabolism - Reduction of serum cholesterol by phytoosterols (rats)
 ** RO1AM-06011-13 0011 Diet control of lipid metabolism - uppression of fatty acid synthetase by linoleate
 ** RO1AM-06011-13 0012 Diet control of lipid metabolism - Serum cholesterol adaptation to diet cholesterol (rats)
 ** RO1AM-06011-13 0014 Diet control of lipid metabolism - Effects of the nature of diet fat on cholesterol metabolism
 RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
 RO1AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
 PO2AM-06908-12 0003 Digestive and hepato-biliary function - Influence of digestive components on fluid and electrolyte movement (human, dogs)
 RO1AM-10628-09 Lipid metabolism in biological systems (rodents, cattle, monkeys)
 RO1AM-11291-07 Chemical identity and nutritional effects of factor G (animals, human)
 RO1AM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)
 RO1AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
 RO1AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
 RO1AM-15041-02 Ceroidogenesis (rats)
 RO1AM-15521-03 0001 Nutritional and metabolic effects of fluorides - Dietary fluoride and high fat diets
 RO1AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
 RO1AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
 ** RO1AM-16520-03 Inhibition of gastric secretion by fat (dogs)
 RO1AM-16837-01 Biochemistry of lipids in growing normal tissues (rat liver)
 RO1AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
 RO1AM-16860-01 Physical activity, carbohydrate metabolism and obesity (rats, mice)
 P17AM-17328-01 0003 Peptic ulcer center - Gastric acid secretion after eating in duodenal ulcer patients
 RO1AM-17369-01 Atherosclerosis therapy and cholelithiasis (monkeys, human)
 RO1AM-17398-02 Pathologic effects on cells of modified lipoproteins (rats)
 RO1AM-17427-01 Anorexigenic substance in urine (rats, human)
 P17AM-17624-01 0001 Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
 P17AM-17624-01 0005 Obesity center - Adipose tissue fatty acid turnover in experimental obesity (rats)
 P17AM-17624-01 0009 Obesity center - Rate and composition of weight loss as influenced by diet (human)
 ** P17AM-17624-01 0013 Obesity center - Medium chain triglyceride diet and adipose tissue cellularity (infants, children)
 RO1AM-17660-01 Adipocyte metabolism as related to cell size (rats)
 NO1AM-42213-00 Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs)
 RO1CA-15813-01 Lipid transport, synthesis and metabolism in cancers (mice)
 R26CA-16382-01 Metabolic epidemiology of colon cancer (human)
 RO1DE-02342-07 Normal and altered oral mucosa (rats)
 PO1ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 RO1ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
 ** PO1GM-10402-12 0004 Zoophysiology in Alaska - Utilization of fat (lemmings, moose, caribou, marine mammals)
 RO1GM-20316-01 Regulation of microsomal enzymes by phospholipids (Gunn rats, guinea pigs)
 RO1GM-20327-01 Factors influencing gastrointestinal drug absorption (human)
 RO1HD-01784-09 Growth patterns and body composition (swine miniature)
 ** RO1HD-06962-02 Effect of dietary PUFA-vitamin E on dam and progeny (swine)
 PO1HD-07578-01 0002 Growth and nutrition of normal infants - Effects of dietary composition on food consumption and growth (human)
 ** PO1HD-07578-01 0004 Growth and nutrition of normal infants - Fats (human)
 PO1HD-07578-01 0006 Growth and nutrition of normal infants - Minerals-Calcium, phosphorus, magnesium (human)
 RO1HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
 RO1HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
 ** RO1HD-08432-01 0003 Parenteral nutrition in newborn animals - Lipid composition of brain and fatty acid status
 ** RO1HL-01803-20 0005 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Immunologic and dietary synergy in atherosclerosis and its regression (rabbits)

- RO1HL-01803-20 0010 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Atherosclerosis induction by synergy of graft rejection and diet (rabbits)
 RO1HL-01875-21 Intermediary metabolism of cholesterol (rats)
 RO1HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
 ** RO1HL-03299-17 Dietary effects on cholesterol metabolism (rats, rabbits)
 RO1HL-04372-14 Lipolytic enzymes in plasma and tissues (rats, sheep)
 ** RO1HL-04969-14 Diet, cholesterol absorption and atherosclerosis (calves, goats)
 RO1HL-06221-13 0002 Composition and structure of plasma lipoproteins - Abnormal low density lipoproteins in obstructive jaundice (human, rats, dogs)
 PO1HL-06835-13 0006 Cardiovascular disease - Atherosclerosis (human, dogs, rats, rabbits)
 ** PO1HL-08214-11 0001 Chemical and biological properties of lipids - Dietary lipids and tissue lipids (miniature swine)
 ** PO1HL-08214-11 0003 Chemical and biological properties of lipids - Dietary lipids, lipids and blood coagulation (miniature swine)
 PO1HL-08214-11 0011 Chemical and biological properties of lipids - High energy irradiation of lipids (rats, fish)
 PO1HL-08214-11 0015 Chemical and biological properties of lipids - Biological transformations and function of polyunsaturated fatty acids (rats)
 ** PO1HL-08214-11 0031 Chemical and biological properties of lipids - Effect of dietary lipids on behavior and brain lipids (rats)
 ** PO1HL-08214-11 0032 Chemical and biological properties of lipids - Dietary fats on lipids of retina (mammals)
 RO1HL-09744-10 Experimental vascular sclerosis (monkeys)
 RO1HL-10878-08 Structure and function of serum lipoproteins (human)
 ** RO1HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
 RO1HL-12399-09 Specific fatty acids and cholesterol metabolism (gerbils, monkeys)
 PO1HL-13262-02 0016 Arterial wall in atherosclerosis - Lipids in elastin preparations from atherosclerotic plaques (human, animals)
 RO1HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
 PO1HL-13979-04 0020 Cardio-pulmonary-renal program - Coagulation studies (human, rats)
 ** RO1HL-13980-03 Function of fatty acid isomers in serum components (mammals, birds)
 RO1HL-13990-03 Etiology of experimental hypertension (rats)
 RO1HL-14087-04 Normal and abnormal low density lipoproteins (human)
 P17HL-14196-04 0008 Lipids, thrombosis and genetics in atherosclerosis - Lipoproteins in children-Role of genetics and diet
 P17HL-14230-04 0013 Lipids, atherosclerosis and thrombosis - Dietary cholesterol and hypercholesterolemia of pregnant women
 P17HL-14230-04 0017 Lipids, atherosclerosis and thrombosis - Excretion of sterols from the skin (human)
 P17HL-14230-04 0023 Lipids, atherosclerosis and thrombosis - Cholesterol-free diet after diet-induced atherosclerosis (primates)
 ** P17HL-14230-04 0027 Lipids, atherosclerosis and thrombosis - Comparative atherogenicity of high-cholesterol diet (primates)
 P17HL-14230-04 0047 Lipids, atherosclerosis and thrombosis - Alcohol on hyperprebeta1ipoproteinemia (human)
 P17HL-14230-04 0048 Lipids, atherosclerosis and thrombosis - Dietary carbohydrates in type IV hyperlipidemia patients
 ** P17HL-14230-04 0049 Lipids, atherosclerosis and thrombosis - Dietary fat modification in type V hyperlipidemia (human)
 ** P17HL-14230-04 0051 Lipids, atherosclerosis and thrombosis - Dietary fat in cholesterol absorption (human)
 P17HL-14230-04 0056 Lipids, atherosclerosis and thrombosis - Plasma esterified cholesterol in triglyceridemic humans
 ** P17HL-14230-04 0057 Lipids, atherosclerosis and thrombosis - Coronary risk factors in Tarahumara Indians
 ** P17HL-14230-04 0058 Lipids, atherosclerosis and thrombosis - Dietary cholesterol on sterol balance of Tarahumara Indians
 ** P17HL-14230-04 0059 Lipids, atherosclerosis and thrombosis - Correlation of transverse intimal area and dietary cholesterol (monkeys)
 ** P17HL-14230-04 0061 Lipids, atherosclerosis and thrombosis - Dietary cholesterol and distribution of plasma lipoprotein (monkeys)
 P17HL-14230-04 0080 Lipids, atherosclerosis and thrombosis - Absorption of seafood sterols other than cholesterol (human)
 P17HL-14230-04 0082 Lipids, atherosclerosis and thrombosis - Bile composition during pregnancy (human)
 RO1HL-14313-03 Metabolism of lipoprotein lipid and protein (human, monkeys)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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RO1HL-14677-03 Nutrition and lipid metabolism—Comparative aspects (swine, chicken, rodents)
 P17HL-15103-03 0004 Specialized center of research—arteriosclerosis - Bogalusa family studies—Nutrition (children)
 ** P17HL-15103-03 0009 Specialized center of research—arteriosclerosis - New Orleans school children—Dietary intervention
 RO1HL-15478-02 Lipid flux and collagen synthesis in atherosclerosis (rabbits)
 RO1HL-15504-02 Animal model for studies of averting atherosclerosis (swine)
 RO1HL-15514-01 Removal mechanisms and plasma lipoprotein homeostasis (rabbits, human)
 RO1HL-15797-01 Lipid metabolism and atherosclerosis in primates
 ** RO1HL-15968-02 Dietary control of hepatic lipoproteins synthesis (gerbils)
 RO1HL-16364-01 0002 Regulation of lipid biosynthesis and transport - Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis
 RO1HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
 RO1HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)
 RO1HL-16559-01 0002 Dynamics of lipoprotein structure and atherosclerosis (human) - Animal models (green monkey, miniature pigs)
 RO1HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
 RO1HL-16588-01 Collagen synthesis in atherosclerosis (dogs, rats, rabbits)
 P01MH-23861-02 0034 Biogenic amines and behavior - Tryptophan metabolism in normal humans
 RO1NS-09785-03 Trial of MCT diet in intractable childhood epilepsy (children, rats)
 RO1NS-10278-03 Enzymatic synthesis of plasmalogens in heart and brain (rats)
 ** MO1RR-00036-14 0095 General clinical research center - Medium chain triglyceride supplementation and muscular dystrophy (human)
 ** MO1RR-00036-14 0157 General clinical research center - Changes after massive small bowel resection, use of dietary triglycerides (human)
 ** MO1RR-00037-14 0128 General clinical research center - Evaluation of intralipid as a calorie source in parenteral nutrition
 ** MO1RR-00054-13 0060 General clinical research center - Evaluation of intravenous fat solution in trauma patients
 MO1RR-00058-13 0001 General clinical research center - Intestinal absorption in selected patients
 MO1RR-00059-13 0022 General clinical research center - Cholesterol absorption in hypercholesterolemia II (human)
 ** MO1RR-00059-13 0067 General clinical research center - Excretion of animal and plant sterols from skin of man
 MO1RR-00059-13 0094 General clinical research center - Dietary fat, serum lipids in type V hyperlipemia, familial pancreatitis (human)
 ** MO1RR-00059-13 0129 General clinical research center - Absorption of seafood sterols, other than cholesterol, from diet (human)
 ** MO1RR-00059-13 0130 General clinical research center - Interaction of beta-sitosterol and cholesterol in diet (human)
 ** MO1RR-00059-13 0138 General clinical research center - Effect of dietary cholesterol on composition of human bile
 MO1RR-00059-13 0139 General clinical research center - Bile composition during pregnancy (human)
 ** MO1RR-00059-13 0146 General clinical research center - Essential fatty acid deficiency in oral and IV fat free diets (human)
 ** MO1RR-00059-13 0170 General clinical research center - Changes in bile composition and gallstone formation in prairie dogs
 MO1RR-00062-12 0047 Clinical research center, children - Glycogen storage disease treated with diet enriched in medium chain triglyceride
 MO1RR-00068-12 0053 General clinical research center - Nutrition in patient with bowel scleroderma
 MO1RR-00069-12 0020 General clinical research center, children - Enzyme variants in methylmalonic aciduria
 MO1RR-00088-11 0051 General clinical research center - Effect of insulin on amino acid metabolism (human)
 ** MO1RR-00107-11 0034 General clinical research center - Gastric emptying in pancreatic insufficiency
 MO1RR-00107-11 0037 General clinical research center - Lipid absorption rates
 MO1RR-00188-10 0073 General clinical research center for children - Use of middle chain triglycerides in ketogenic diet for epilepsy
 MO1RR-00284-08 0048 General clinical research center—pediatric - Trial of medium chain triglycerides in intractable convulsive disorders
 MO1RR-00350-08 0095 General clinical research center - Role of small intestine in lipoprotein synthesis (human)
 ** MO1RR-00533-06 0008 General clinical research center, adult - Fat malabsorption and steatorrhea
 MO1RR-00633-02 0001 General clinical research center - Control mechanisms of cholesterolgenesis in human intestine

MO1RR-00633-02 0003 General clinical research center - Inhibition of hepatic cholesterolgenesis in hypercholesterolemia (human, rats)
 MO1RR-00722-02 0039 General Clinical Research Center - Follow-up of acute pancreatitis and hyperlipemia (human)
 ** MO1RR-00749-02 0038 General clinical research center - Effects of medium chain triglycerides on intestinal fluid absorption (human)
 MO1RR-00749-02 0042 General clinical research center - Medium chain triglyceride diet for seizure disorders (human)
 MO1RR-00827-01 0005 General clinical research center - Lipoprotein turnover in dietary responsive type II hyperlipoproteinemia
 MO1RR-00827-01 0007 General clinical research center - Causes and treatment of gallstones (human)

NUTRITION, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS

RO1HD-05204-04 Malnutrition and the nervous system (rats)
 RO1HD-08595-01 Feto-maternal metabolism of unsaturated fatty acids (human, rabbits, rodents)

NUTRITION, DIETARY PROTEINS

RO1AJ-10095-03 Surgical pathophysiology in gnotobiotic animals (rats, dogs)
 RO1AM-04942-14 Effect of dietary fat on glyceride structure (rats)
 P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
 RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
 R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
 ** RO1AM-08533-10 Utilization of essential amino acids by man (also rats)
 ** RO1AM-09520-09 Nutritive value of proteins (rats, monkeys)
 R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
 ** R22AM-09980-09 0007 Infantile diarrhea and malnutrition (Peru, Baltimore) - Evaluation of new and enriched foods (human)
 ** R22AM-09980-09 0009 Infantile diarrhea and malnutrition (Peru, Baltimore) - Indicators of protein status (human)
 ** R22AM-09980-09 0012 Infantile diarrhea and malnutrition (Peru, Baltimore) - Amino acid requirements (human)
 ** P02AM-10202-08 0002 Studies in human nutrition - Protein requirements of teenage pregnancy (human, rats)
 ** RO1AM-10747-08 Altered diet and plasma amino acid pattern (rats)
 ** RO1AM-10748-08 Effect of diet and hormones on enzymes and metabolism (rats)
 ** RO1AM-11291-07 Chemical identity and nutritional effects of factor G (animals, human)
 ** R22AM-12030-03 Calorie and nutrient requirements of Filipinos
 R22AM-12095-06 Effect of heat and hard work on nitrogen requirement (human)
 RO1AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
 RO1AM-13323-04 Interorgan movement of amino acids (dogs, human)
 RO1AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
 RO1AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
 ** RO1AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
 RO1AM-14702-04 0003 Mechanism of insulin antagonism - Uremia (human)
 ** RO1AM-14762-04 Role of protein structure in amino acid availability (plants, rats)
 RO1AM-15197-03 Amino acid metabolism in experimental uremia (rats)
 R22AM-15242-03 Intestinal malabsorption in protein malnutrition (human)
 RO1AM-15446-03 Nutritional significance of amino acid homeostasis (dogs, rats)
 ** RO1AM-15832-03 Role of dietary histidine in human nutrition
 ** RO1AM-15856-03 Dietary protein intake and human protein metabolism
 RO1AM-15892-03 Plasma amino acids and human amino acid needs
 RO1AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons (dogs))
 ** RO1AM-16259-01 Protein, trypsin inhibitors and pancreatic secretion (rats)
 ** P01AM-16281-02 0013 Uremia-pathogenesis, effects, and possible prevention - Proportional reduction of sodium, protein and specific amino acids
 RO1AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
 RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
 R22AM-17086-01 Amino acid requirements of pre-school age children
 RO1AM-17169-01 Dietary factors in the etiology of osteoporosis (mice, rats)

RO1AM-17427-01 Anorexic substance in urine (rats, human)
 ** P17AM-17624-01 0006 Obesity center - Regulation of energy intake (human)
 P17AM-17624-01 0009 Obesity center - Rate and composition of weight loss as influenced by diet (human)
 ** RO1AM-17708-01 Protein-energy relationships in malnutrition
 MO1AM-42213-10 Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs)
 R26CA-16382-01 Metabolic epidemiology of colon cancer (human)
 PO1DE-02552-08 0003 Microbial pathogenesis of human dental caries - Biochemistry (Streptococci, hamsters)
 PO1ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amino acid metabolism (rats, fish)
 PO1ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 RO1ES-00550-04 Metabolism and cocarcinogenicity of cyclopropenes (trout, rats, mice)
 RO1EY-00631-04 Nutritional retinal degeneration in cats
 RO1EY-01060-04 Cataract from a vegetable protein-based diet (rats)
 ** RO1FD-00567-01 Nutritional quality of processed food proteins
 ** RO1FD-00568-01 Chemical improvement of proteins for food uses (fish, eggs, casein, soy beans)
 RO1GM-20327-01 Factors influencing gastrointestinal drug absorption (human)
 RO1GM-20457-02 0002 GC-MS and stable isotopes in pharmacological research - Body water in infants by stable oxygen labeled water (human)
 ** RO1GM-20630-02 New concepts in parenteral protein sparing therapy (rats, dogs, swine)
 RO1GM-21075-01 Metabolic basis for homeostasis in shock (rats, dogs, monkeys)
 P01HD-02147-08 0003 Extruterine growth and development - Pancreas (mice, rats)
 ** RO1HD-02760-07 Amino acid requirements of premature infants (human)
 RO1HD-06475-01 0001 Carbohydrate and lipid metabolism during development - Regulation of blood glucose concentration by the fetus (rats)
 RO1HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
 ** RO1HD-07250-02 Sweat nitrogen losses and protein intake in children
 P01HD-07578-01 0002 Growth and nutrition of normal infants - Effects of dietary composition on food consumption and growth (human)
 ** P01HD-07578-01 0003 Growth and nutrition of normal infants - Proteins and amino acids (human)
 ** RO1HD-08300-01 Protein needs of elderly people
 ** RO1HD-08434-01 0001 Metabolic studies of parenteral nutrition in infants - Varying protein intake
 RO1HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
 RO1HL-03299-17 Dietary effects on cholesterol metabolism (rats, rabbits)
 RO1HL-05209-14 Lipid metabolism (baboons, monkeys)
 RO1HL-14677-03 Nutrition and lipid metabolism—Comparative aspects (swine, chicken, rodents)
 P17HL-15103-03 0004 Specialized center of research—arteriosclerosis - Bogalusa family studies—Nutrition (children)
 P17HL-15103-03 0010 Specialized center of research—arteriosclerosis - Experimental models—Induction of lesions (monkeys)
 P01MH-23861-02 0034 Biogenic amines and behavior - Tryptophan metabolism in normal humans
 ** PO1NS-1131-01 0015 Extrapyramidal and related behavioral disorders - Diet and treatment of Parkinson's disease with levodopa (human)
 PO1NS-1131-01 0016 Extrapyramidal and related behavioral disorders - Measurements of circulating growth hormone (human)
 MO1RR-00036-14 0097 General clinical research center - Intestinal protein metabolism and function (human)
 ** MO1RR-00039-14 0032 General clinical research center - Effects of individual amino acids on blood ammonia levels in cirrhosis (human)
 ** MO1RR-00039-14 0066 General clinical research center - Dietary protein intake and proteinuria in nephrotics
 ** MO1RR-00039-14 0067 General clinical research center - Ammonium bicarbonate as nitrogen source for protein (human)
 ** MO1RR-00039-14 0083 General clinical research center - Protein intake and proteinuria of nephrotic syndrome
 MO1RR-00047-14 0098 General clinical research center - Modification of response to L-dopa by diet changes (human)
 ** MO1RR-00050-13 0038 Wilson's disease - Synthetic amino acids for nutrition in pancreatic insufficiency (human)
 MO1RR-00076-12 0036 General clinical research center - Evaluation maintenance nitrogen balance by parenteral nutrition (human)
 ** MO1RR-00088-11 0002 General clinical research center - Protein and amino acid requirements in man

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont)

- ** M01RR-00088-11 0003 General clinical research center - Protein requirements of healthy young men
- ** M01RR-00088-11 0038 General clinical research center - Total body N turnover and protein synthesis and catabolism (human)
- ** M01RR-00088-11 0042 General clinical research center - Metabolic and tissue changes for protein sparing diet (human)
- M01RR-00088-11 0046 General clinical research center - Protein calorie requirements during trauma, sepsis and infection (human)
- M01RR-00088-11 0047 General clinical research center - Cellular immunity in nutritional states (human)
- M01RR-00095-14 0044 General clinical research center - Parenteral alimentation in liver disease (human)
- M01RR-00109-11 0002 General clinical research center - Carbohydrate metabolism in uremia (human)
- M01RR-00125-11 0194 General clinical research center - adult-child - Lactulose treatment of hyperammonemia
- M01RR-00128-10 0011 General clinical research center for children - Parenteral alimentation
- ** M01RR-00210-10 0031 General clinical research center - Maternal-child - Control of amino acid assimilation in low-birth weight infants
- ** M01RR-00210-10 0038 General clinical research center - Maternal-child - Protein absorption in maternal and fetal nutrition
- ** M01RR-00229-09 0047 General clinical research center - Urinary nitrogen-Urea nitrogen ratio of protein nutrition in pregnancy (human)
- ** M01RR-00322-08 0028 General clinical research center - Trauma, wound healing and amine nitrogen (human)
- M01RR-00533-06 0024 General clinical research center, adult - Carbohydrate and insulin secretion
- ** M01RR-00714-02 0013 General clinical research center - Protein feeding of premature infants (human)
- M01RR-00722-02 0003 General Clinical Research Center - Management of Parkinson's disease (human)
- M01RR-00750-02 0016 General clinical research center - Homocystinuria-Evaluation of therapy
- ** M01RR-00828-01 0043 General clinical research center - Amino acid metabolism in uremia (human)
- ** M01RR-00865-01 0013 General clinical research center - Protein intake, growth hormone secretion and COH metabolism in uremia (human)
- M01RR-00865-01 0035 General clinical research center - Changes in intestinal mucosa in milk-protein induced GI injury (human)
- M01RR-00865-01 0036 General clinical research center - Eosinophilic gastroenteritis (human)

NUTRITION, DIETARY PROTEINS, FISH PROTEIN

- R01FD-00568-01 Chemical improvement of proteins for food uses (fish, eggs, casein, soy beans)

NUTRITION, DIETARY SUGARS

- ** R01AM-02911-15 Metabolic aspects of obesity (mice)
- R01AM-04942-14 Effect of dietary fat on glyceride structure (rats)
- R01AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
- P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- R01AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- R01AM-09000-10 Hepatic lipid metabolism, control and ethanol effects (rats)
- R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
- R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
- R01AM-10894-08 0003 Genetic metabolic diseases of infancy and childhood - Developmental and other regulatory aspects of galactose pathways (rats)
- R01AM-11291-07 Chemical identity and nutritional effects of factor G (animals, human)
- P01AM-11793-07 0007 Kidney and electrolyte metabolism - Sugar ingestion, calcium-stone formers (human)
- R01AM-13324-06 Nutritional-hormonal control of G-6-P04 dehydrogenase (rats)
- R01AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
- R01AM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
- P01AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons) (dogs)
- R01AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
- R01AM-16860-01 Physical activity, carbohydrate metabolism and obesity (rats, mice)
- R01AM-17398-02 Pathologic effects on cells of modified lipoproteins (rats)
- R01AM-17427-01 Anorexigenic substance in urine (rats, human)
- P17AM-17624-01 0009 Obesity center - Rate and composition of weight loss as influenced by diet (human)
- R01AM-17733-01 Mechanism of starch digestion in mammals (rats)

- M01AM-42213-00 Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs)
- R01CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- R01CA-15813-01 Lipid transport, synthesis and metabolism in cancers (mice)
- R01GM-20327-01 Factors influencing gastrointestinal drug absorption (human)
- R01GM-21075-01 Metabolic basis for homeostasis in shock (rats, dogs, monkeys)
- R01HD-01784-09 Growth patterns and body composition (swine miniature)
- P01HD-02147-08 0003 Extrauterine growth and development - Pancreas (mice, rats)
- P01HD-02147-08 0008 Extrauterine growth and development - Parenteral nutrition and adaptation of digestive enzymes (human)
- P01HD-07578-01 0002 Growth and nutrition of normal infants - Effects of dietary composition on food consumption and growth (human)
- ** P01HD-07578-01 0005 Growth and nutrition of normal infants - Carbohydrates (human)
- P01HD-07578-01 0006 Growth and nutrition of normal infants - Minerals-Calcium, phosphorus, magnesium (human)
- R01HD-08432-01 0001 Parenteral nutrition in newborn animals - Overall somatic growth and organ growth (dogs)
- R01HL-03299-17 Dietary effects on cholesterol metabolism (rats, rabbits)
- ** R01HL-05209-14 Lipid metabolism (baboons, monkeys)
- R01HL-09744-10 Experimental vascular sclerosis (monkeys)
- ** R01HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
- R01HL-12399-09 Specific fatty acids and cholesterol metabolism (gerbils, monkeys)
- R01HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
- P17HL-14196-04 0002 Lipids, thrombosis and genetics in atherosclerosis - Drug effect on cholesterol degradation to bile acids (human)
- ** P17HL-14196-04 0010 Lipids, thrombosis and genetics in atherosclerosis - Lipoproteins in patients with coronary heart disease
- ** P17HL-14230-04 0043 Lipids, atherosclerosis and thrombosis - Hypertriglyceridemia without atherosclerosis (dogs)
- R01HL-14313-03 Metabolism of lipoprotein lipid and protein (human, monkeys)
- R01HL-14677-03 Nutrition and lipid metabolism-Comparative aspects (swine, chicken, rodents)
- P17HL-15103-03 0004 Specialized center of research-atherosclerosis - Bogalusa family studies-Nutrition (children)
- ** R01HL-15840-01 Sugar-induced heart lesions and vitamin K deficiency (birds, mammals subhuman)
- ** R01HL-15968-02 Dietary control of hepatic lipoproteins synthesis (gerbils)
- R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
- R01HL-16559-01 0002 Dynamics of lipoprotein structure and atherosclerosis (human) - Animal models (green monkey, miniature pigs)
- R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- R01MS-01941-16 Neurophysiology of food intake (rodents)
- M01RR-00030-13 0122 General clinical research center - Effect of low carbohydrate diet on reactive hypoglycemia (human)
- ** M01RR-00034-14 0051 General clinical research center - Effects of overfeeding sugars on glucose, insulin and lipid metabolism (human)
- M01RR-00036-14 0040 General clinical research center - Insulin secretion in obesity-Carbohydrate infusion after fasting (human)
- M01RR-00030-14 0043 General clinical research center - Dietary lactose and intestinal absorption of Ca and vit D (human)
- M01RR-00036-14 0146 General clinical research center - Carbohydrate induction of hyperlipidemia (human)
- M01RR-00037-14 0104 General clinical research center - Lactose content and methods of tube feeding in diarrhea (human)
- M01RR-00040-14 0078 General clinical research center - Relationship of fructose to uric acid and ammonia metabolism (human)
- ** M01RR-00044-14 0069 General clinical research center - Effects of 2-deoxyglucose on lipid and carbohydrate metabolism (human)
- ** M01RR-00055-13 0075 General clinical research center - Acute response to carbohydrate feedings of serum lipids (human)
- M01RR-00058-13 0024 General clinical research center - Sugar ingestion, CA excretion, crystalluria and kidney stones (human)
- M01RR-00059-13 0023 General clinical research center - Alcohol and plasma lipids (human)
- ** M01RR-00059-13 0024 General clinical research center - Effect of dietary carbohydrate on serum trygliceride (human)

- ** M01RR-00059-13 0145 General clinical research center - Effect of dietary carbohydrates on serum lipids and fecal steroids (human)
- ** M01RR-00059-13 0159 General clinical research center - Intensification of hypertriglyceridemia by alcohol or carbohydrate (human)
- ** M01RR-00059-13 0168 General clinical research center - Hypertriglyceridemia from dietary sugar without atherosclerosis (prairie dogs)
- M01RR-00076-12 0036 General clinical research center - Evaluation maintenance nitrogen balance by parenteral nutrition (human)
- M01RR-00076-12 0037 General clinical research center - Evaluation of amino acid-glucose mixture for parenteral nutrition (human)
- M01RR-00128-10 0011 General clinical research center for children - Parenteral alimentation
- M01RR-00133-10 0060 General clinical research center - Lactose content methods of tube feeding in diarrhea (human)
- M01RR-00188-10 0051 General clinical research center for children - Nutritional requirements of hyperkinetic children
- M01RR-00210-10 0031 General clinical research center - Maternal-child - Control of amino acid assimilation in low-birth weight infants
- ** M01RR-00533-06 0011 General clinical research center, adult - Effect of fasting and refeeding on ethanol metabolism
- M01RR-00533-06 0024 General clinical research center, adult - Carbohydrate and insulin secretion
- M01RR-00722-02 0039 General Clinical Research Center - Follow-up of acute pancreatitis and hyperlipemia (human)

NUTRITION, DIETETICS

- SEE ALSO HEALTH SCIENCES PROFESSIONS (GENERAL)
- SEE ALSO HOSPITALS, FOOD SERVICE
- SEE ALSO NUTRITION, DIET SCHEDULE AND ROUTE
- SEE ALSO NUTRITIONAL REQUIREMENTS
- ** P17AM-17026-01 0005 Vanderbilt University Diabetes-Endocrinology Center - Computer techniques in dietetics for diabetics
- ** P02CA-05831-13 0037 Cancer clinical research - Research dietetic section
- P02CA-14520-02 0013 Wisconsin Clinical Cancer Center - Vitamin B6, steroid hormones and energy (human)
- ** P07RR-00267-09 0080 Biomedical data processing unit - BRANCHT-A system for branching logic

NUTRITION, INFANT AND CHILD NUTRITION

- SEE ALSO NUTRIENT INTAKE ACTIVITY, BREAST FEEDING
- R01AI-10689-03 0003 Resistance to infections in the neonate - C5 in human and other milks (goats, cows, formulae)
- R01AM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
- R01AM-06011-13 0008 Diet control of lipid metabolism - Serum cholesterol adaptation to diet cholesterol (baboons)
- ** P17AM-17624-01 0013 Obesity center - Medium chain triglyceride diet and adipose tissue cellularity (infants, children)
- ** P17AM-17624-01 0014 Obesity center - Pediatric and obstetric division
- M01AM-42214-00 Trace element abnormalities in children with chronic renal failure
- ** P01GM-14267-09 0010 Microelectronics laboratory for biomedical science - Pediatric systems (cats, human)
- R01HD-01784-09 Growth patterns and body composition (swine miniature)
- P01HD-02147-08 0004 Extrauterine growth and development - Intestine (human, mice)
- ** P01HD-02147-08 0008 Extrauterine growth and development - Parenteral nutrition and adaptation of digestive enzymes (human)
- P01HD-02147-08 0012 Extrauterine growth and development - Bilirubin production in infancy (dogs, human)
- ** R22HD-03942-07 Nutrition and development of children in rural areas (Mexico)
- ** R01HD-05657-03 Proteins of human and bovine colostrum and milk (bacteria)
- R01HD-07200-01 Heritability and mental development
- R01HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
- ** R01HD-07900-01 Magnesium status of poor urban mothers and babies
- R01HD-07991-01 Nutritional effects on auditory far fields (rats)
- NUTRITION, MATERNAL NUTRITION**
- R01AM-06011-13 0011 Diet control of lipid metabolism - suppression of fatty acid synthetase by linoleate
- R01AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
- ** P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- ** P17AM-17624-01 0014 Obesity center - Pediatric and obstetric division
- ** R01HD-05394-04 Amino acids and prenatal brain development (rats)
- ** R01HD-06201-03 Lung maturation, hormonal and other influences (human, rats, rabbits)

(contd)

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- R01HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
 R01HD-07900-01 Magnesium status of poor urban mothers and babies
 R01HD-07991-01 Nutritional effects on auditory far fields (rats)
 R01HD-08968-01 Definitions and mechanism of hyperlipemia in pregnancy (human, rats)
 R23HL-17199-01 Respiratory distress syndrome—An experimental model (rats)
- NUTRITION STUDY SECTION**
- R01AM-02448-16 Physiological functions and metabolism of thiamine (rats)
 ** R01AM-02911-15 Metabolic aspects of obesity (mice)
 ** R01AM-03524-15 Role of vitamin B6 in metabolism (mice)
 M R01AM-04524-14 Requirements of polyunsaturated fatty acids
 ** R01AM-04837-14 Diet and mental development in galactosemia (human)
 ** R01AM-04942-14 Effect of dietary fat on glyceride structure (rats)
 M R01AM-06011-13 Diet control of lipid metabolism
 R01AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
 ** R01AM-06424-12 Nutritional function of selenium (rats)
 ** R01AM-06850-12 Nutritional needs as influenced by genetic variation (chickens)
 ** R01AM-06978-12 Fatty acids metabolism in tocopherol deficiency (rats, rabbits, cattle)
 ** R01AM-08171-11 Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms)
 ** R01AM-08272-11 Obesity—Dietary, hormonal and genetic determinants (rats)
 R01AM-08480-11 Cholesterol injury in mammals (rodents, rabbits)
 ** R01AM-08533-10 Utilization of essential amino acids by man (also rats)
 R01AM-08669-12 New essential trace elements (rats)
 ** R01AM-08191-08 Metabolism of the vitamins A (rats, chicks)
 ** R01AM-09520-09 Nutritive value of proteins (rats, monkeys)
 ** R01AM-10214-09 Lipid-protein binding in lipoproteins (chickens)
 ** R01AM-10297-08 Thiamine metabolism in mammals (human, rats)
 ** R01AM-10747-08 Altered diet and plasma amino acid pattern (rats)
 ** R01AM-10748-08 Effect of diet and hormones on enzymes and metabolism (rats)
 R01AM-11291-07 Chemical identity and nutritional effects of factor G (animals, human)
 ** R01AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
 R01AM-11597-08 Metabolic role of vitamin A (rats)
 ** R01AM-12024-07 Essential fatty acid intake and fatty acid synthesis (rats)
 ** R01AM-12432-06 Human chromium nutrition and deficiency
 ** R01AM-12708-05 Histidine biosynthesis in animal development (human, mammals, chickens)
 ** R01AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
 R01AM-13090-06 Iron in nutrition (rats, monkeys)
 R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
 ** R01AM-13323-04 Interorgan movement of amino acids (dogs, human)
 ** R01AM-13324-06 Nutritional-hormonal control of G-6-PD dehydrogenase (rats)
 ** R01AM-13557-04 Metabolism of retinol and retinoic acid (rats)
 R01AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
 ** R01AM-13897-05 Cellular adaptations to malnutrition (rats)
 R01AM-13988-05 Control of fatty acid metabolism in the intact animals (rats)
 ** R01AM-14165-04 Synthesis and absorption of vitamin B12 (sheep, cattle)
 ** R01AM-14184-05 Organoselenium compounds—Biosynthesis and function (rats)
 R01AM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)
 ** R01AM-14531-04 Metabolism of the developing small intestine (rats)
 ** R01AM-14704-04 Protein turnover in protein and calorie deprivation (rats, swine)
 ** R01AM-14762-04 Role of protein structure in amino acid availability (plants, rats)
 ** R01AM-15100-04 Importance of chromium in human nutrition (also mice)
 ** R01AM-15197-03 Amino acid metabolism in experimental uremia (rats)
 ** R01AM-15227-04 Effect of age on sulfur amino acid metabolism (rats)
 ** R01AM-15364-04 Nutritional regulation of protein metabolism (rats)
 ** R01AM-15446-03 Nutritional significance of amino acid homeostasis (dogs, rats)
- R01AM-15832-03 Role of dietary histidine in human nutrition
 R01AM-15847-04 Metabolic and enzymatic effects of meal feeding (rats)
 R01AM-15855-03 Branched amino acid metabolism in altered nutrition (human, rats)
 ** R01AM-15856-03 Dietary protein intake and human protein metabolism
 ** R01AM-15892-03 Plasma amino acids and human amino acid needs
 R01AM-16014-03 Comparative nutrient content, and utilization of food (human, laboratory animals)
 R01AM-16019-03 Dietary lysine and carnitine formation
 ** R01AM-16097-02 Propionogenic potential of polyunsaturated fat (human, rats)
 ** R01AM-16259-01 Protein, trypsin inhibitors and pancreatic secretion (rats)
 ** R01AM-16350-02 Vitamin E metabolism in skin (rats)
 ** R01AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
 ** R01AM-16530-03 Chemical pathology of amine acid deficiencies (rats)
 ** R01AM-16560-01 Metabolic studies in parenterally fed models (sheep, swine)
 ** R01AM-16578-01 Vitamin A—Form and distribution in hepatic cell types (rats)
 ** R01AM-16611-01 Determine the physiological role of silicone (chickens, rats, human)
 M R01AM-16654-02 Nutrition and muscle protein turnover by new methods
 ** R01AM-16673-02 Factors controlling lipogenic activation and inactivation (mice)
 R01AM-16726-02 Diet and purine metabolism in gout (human, rats)
 ** R01AM-16835-01 Effect of diet on urinary stone formation in animals (rats, monkeys)
 ** R01AM-16836-01 Plasma amino acid method to assess amino acid needs (rats)
 R01AM-16986-02 Biochemical effects of selenium in tRNA (E coli, yeast, animals, plants)
 ** R22AM-17086-01 Amino acid requirements of pre-school age children
 ** R01AM-17169-01 Dietary factors in the etiology of osteoporosis (mice, rats)
 ** R01AM-17191-01 Medium chain fats—Physiology and clinical implications
 ** R01AM-17259-01 Body nutrient reserves and feeding behavior (rats, mice)
 ** R01AM-17369-01 Atherosclerosis therapy and cholelithiasis (monkeys, human)
 ** R01AM-17427-01 Anorexigenic substance in urine (rat, human)
 ** R01AM-17428-01 Anemia of vitamin E deficiency
 ** R01AM-17521-01 Effect of ethanol and other drugs on folate metabolism (human)
 ** R01AM-17550-01 Nutritional (manganese) deficiency and lysosomal function (chickens)
 ** R01AM-17708-01 Protein-energy relationships in malnutrition
 R01CA-11969-03 Intermediary metabolism of cholesterol in cancer (rats, human)
 ** R01CA-13759-02 Growth of Morris hepatomas in vitamin-B6 deficiency (rats)
 R01CA-14221-02 Antioxidants in senescing and in neoplastic cells (mammals)
 ** R01ES-01017-01 Nutritional significance of selenium-2 selenoproteins (rats)
 ** R01EY-01060-04 Cataract from a vegetable protein-based diet (rats)
 R01FD-00472-02 Organic metabolites of selenium (rats, chickens, swine, cattle)
 ** R01FD-00560-01 Vitamin stability in dehydrated foods during storage
 R01FD-00567-01 Nutritional quality of processed food proteins
 ** R01FD-00568-01 Chemical improvement of proteins for food uses (fish, eggs, casein, soy beans)
 ** R01FD-00598-01 Quality and nutritive value of microwave cooked meat
 ** R01FD-00599-01 Dietary chelates and calcium metabolism (chicken, quail)
 ** R01FD-00606-01 Improving the nutritional content of processed foods (peas, tomatoes)
 ** R01FD-00607-01 Antinutritional effects of modified food starches (rats)
 R01HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)
 ** R01HD-01784-09 Growth patterns and body composition (swine miniature)
 ** R01HD-02355-08 Genetic-nutritional interactions in development (mice)
 ** R01HD-02581-14 Effects of malnutrition in early life (rats, swine)
 ** R01HD-02760-07 Amino acid requirements of premature infants (human)
 M R01HD-03326-07 Effects of early nutrition on growth and development
 R01HD-04863-05 Social development after malnutrition in infancy (monkeys)
- R01HD-05204-04 Malnutrition and the nervous system (rats)
 ** R01HD-05384-03 Nutritional aspects of purine metabolism (rats)
 ** R01HD-05641-12 Metabolism of the testis in vitamin E deficiency (rats)
 R01HD-05668-03 Effect of overcrowding malnutrition on growth (rats)
 ** R01HD-06917-02 Nutrition and the thymolymphatic system (rats, human)
 ** R01HD-06962-02 Effect of dietary PUFA-vitamin E on dam and progeny (swine)
 ** R01HD-07088-02 Nutritional effects on serum gonadotropin in women
 ** R01HD-07090-02 Metabolic regulation of growth and development (pigs, chickens, rodents)
 ** R01HD-07195-02 Nutrition and cell growth (rats)
 ** R01HD-07250-02 Sweat nitrogen losses and protein intake in children
 ** R01HD-08300-01 Protein needs of elderly people
 ** R01HD-08317-01 Membrane changes during aging and vitamin E deficiency (rats)
 ** R01HD-08641-01 Aging and metabolism in skeletal muscle (rats)
 ** R01HD-08958-01 Growth and diet in vegan and omnivore children
 ** R01HL-04969-14 Diet, cholesterol absorption and atherosclerosis (calves, goats)
 ** R01HL-09744-10 Experimental vascular sclerosis (monkeys)
 R01HL-10933-09 Fat metabolism and experimental atherosclerosis (rabbits, rats)
 ** R01HL-11614-07 Trace elements in nutrition (chickens, rats)
 R01HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
 ** R01HL-12399-09 Specific fatty acids and cholesterol metabolism (gerbils, monkeys)
 ** R01HL-12998-05 Dietary hepatic lipidosis and protein synthesis (rats)
 ** R01HL-14062-03 Cholesterol turnover (miniature pig)
 ** R01HL-14273-03 Function of elongated t-fatty acids in tissue lipids (rats)
 ** R01HL-14677-03 Nutrition and lipid metabolism—Comparative aspects (swine, chicken, rodents)
 ** R01HL-14719-12 Role of copper in metabolism (chickens)
 R01HL-15478-02 Lipid flux and collagen synthesis in atherosclerosis (rabbits)
 R01HL-15504-02 Animal model for studies of averting atherosclerosis (swine)
 ** R01HL-15840-01 Sugar-induced heart lesions and vitamin K deficiency (birds, mammals subhuman)
 R01HL-15965-02 Experimental atherosclerosis and elastin metabolism (chickens)
 R01HL-15968-02 Dietary control of hepatic lipoproteins synthesis (gerbils)
 ** R01HL-16707-01 Dietary antioxidants and atherosclerosis (rabbits)
 R01HM-20315-03 Assessment of behavior modification instruments
 ** R01NS-02108-15 Hypo- and hypervitaminosis A (rats)
 ** R01NS-07180-12 Functional relationships in vitamin E deficiency (guinea pigs)
 ** R01NS-07413-07 Metabolic relationships of selenium in myopathies (sheep)
 ** R01NS-09785-03 Trial of MCT diet in intractable childhood epilepsy (children, rats)
- NUTRITIONAL ABNORMALITIES**
 SEE ALSO BODY WEIGHT, OBESITY
 SEE ALSO EYE DISORDERS, CORNEA DISORDERS, KERATOMALACIA
 SEE ALSO EYE DISORDERS, XEROPHTHALMIA
 SEE ALSO GASTROINTESTINAL DISORDERS, MALABSORPTION SYNDROMES
 SEE ALSO GROWTH MEDIA, DEFICIENT
 SEE ALSO IRON DISORDERS AND IMBALANCES
 SEE ALSO METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY
 SEE ALSO METAL DISORDERS AND IMBALANCES, POTASSIUM DEFICIENCY
 R01AA-00242-06 Alcoholism and diseases of the heart
 R07AI-10049-15 0004 International center for medical research - Anemia and bleeding disorders in West Pakistan (human)
 R01AM-06334-12 Pathogenesis of experimental fatty liver (rats, mice)
 ** R01AM-08669-12 New essential trace elements (rats)
 R01AM-09758-09 Polyunsaturated fatty acid interconversions (rats)
 R01AM-12386-08 Studies on biological transport mechanisms (chickens)
 R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
 ** R01AM-14184-05 Organoselenium compounds—Biosynthesis and function (rats)
 P01AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
 R01AM-15163-05 Vitamin B12 and folic acid metabolism (human, rodents)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-15178-03 Genetic and nutritional defects in skeletal growth (animals)
 R01AM-16554-02 Pantothenic acid and/or pantotheine binding protein
 ** P17AM-17026-01 0027 Vanderbilt University Diabetes-Endocrinology Center - Nutrient dynamics in genetically obese rodents (rats, mice)
 R01AM-17403-01 Control metabolism of glucose metabolism in fat cells (rodents, rabbits, human)
 P02CA-05826-13 0055 Clinical cancer research center - Nutritional influences on therapeutic responses
 ** P02CA-08480-09 0020 Childhood cancer research center - Etiologic agents of pneumonitis in leukemia patients
 P02CA-11198-06 0002 Cancer research center - Tumor biology and bank (mice)
 R01DE-03191-03 Nutrition and lipids of bone and teeth (rats, cows, rabbits)
 ** P01ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 P01ES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
 ** R01FD-00607-01 Antinutritional effects of modified feed starches (rats)
 P01AM-15003-13 0009 The biological functions of metals - Metalloproteins of human serum
 P01AM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
 M P01AM-17806-05 Nutritional factor effects on drug action
 ** P01HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
 R01HL-12998-05 Dietary hepatic lipidosis and protein synthesis (rats)
 P17HL-14236-04 0001 Prevention of premature arteriosclerosis - Metabolism and transport of cholesterol and vitamin A (human, rats, rabbits)
 R01NS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
 ** M01RR-00044-14 0069 General clinical research center - Effects of 2-deoxyglucose on lipid and carbohydrate metabolism (human)
 M01RR-00322-08 0006 General clinical research center - Hematopoiesis disorders in cardiovascular disease (human)

NUTRITIONAL ABNORMALITIES, DIETARY EXCESS (OF SPECIFIC REQUIREMENTS)

- SEE ALSO NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS
 R01AA-00242-06 Alcoholism and diseases of the heart
 ** R01AM-15227-04 Effect of age on sulfur amino acid metabolism (rats)
 R01HD-07195-02 Nutrition and cell growth (rats)
 R01HL-08805-10 0011 Cardiovascular and pulmonary performance - Hyperlipidemia and atherosclerosis (human, animals)
 ** R01HL-13394-05 Hyperlipoproteinemia (rats)
 ** P17HL-14230-04 0008 Lipids, atherosclerosis and thrombosis - High carbohydrate, fat-free diet and serum lipids (human)
 P17HL-14230-04 0009 Lipids, atherosclerosis and thrombosis - Normal cholesterol and hypercholesterolemia in men
 ** P17HL-14230-04 0010 Lipids, atherosclerosis and thrombosis - Cholesterol overload (human)
 ** R01HL-14388-03 0011 Regulation of the circulation in pathological states - Effects of dietary sodium on blood pressure and vascular reactivity in man
 R01HL-16385-01 Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog)
 P16HS-00472-06 0040 Health services research center - Incentives to consumers to forego practices destructive to their health

NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS

- ** R01AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 ** R01AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
 P13DE-02668-08 0012 Dental research center - Mineral metabolism (chick embryo, rats)
 ** R01DE-02933-06 Hypervitaminosis A and altered dentofacial development (mice)
 R01ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
 R23EY-01360-01 Teratogenic induction of coloboma (hamsters)
 P01GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
 P01HD-08658-01 0010 Developmental neurobiology in primates - Experimental malformations of the central nervous system (nonhuman primates)
 ** P01HL-10098-10 0020 Primates in cardiovascular research - Vitamin A toxicity
 ** R01NS-02108-15 Hypo- and hypervitaminosis A (rats)
 ** M01RR-00051-13 0133 General clinical research center - Calcium hyperabsorption (human)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS (GENERAL)

- R01AA-00084-07 Erythropoiesis in megaloblastic anemias (human)
 ** R01AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)
 R01AM-00668-20 Calcium and phosphate transport (rats)
 R01AM-08745-20 Erythrocyte production and destruction (human, monkeys)
 R01AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
 ** R01AM-08732-13 Vitamin A in glycoprotein synthesis
 R01AM-09012-10 Studies on vitamin D and calcium metabolism (human, animals)
 R01AM-09096-09 Nutritional influences on bone (human, rats)
 R01AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
 R01AM-09992-09 Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses)
 R01AM-11799-07 Metabolism of liver membrane phospholipids
 R01AM-13897-05 Cellular adaptations to malnutrition (rats)
 R01AM-14898-12 Metabolic and biochemical studies of blood cells (human)
 R01AM-15022-03 Cyanocobalamin derivatives and growth and development under stress (mice)
 R01AM-16835-01 Effect of diet on urinary stone formation in animals (rats, monkeys)
 R01AM-17537-02 Functional morphology of the alimentary tract (human, rat, rabbits)
 P02CA-11198-06 0006 Cancer research center - Xanthine oxidase (dogs, human, mice)
 R01CA-12126-03 Regulatory mechanisms in normal and neoplastic cells (rats)
 ** P13DE-02623-08 0015 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias (rats, guinea pigs)
 ** P13DE-02623-08 0016 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias
 P13DE-02668-08 0012 Dental research center - Mineral metabolism (chick embryo, rats)
 P13DE-02668-08 0015 Dental research center - Mineral metabolism (chick embryo, rats)
 M01DE-42441-00 Nutrition on the epithelium of oral mucous membranes (primates)
 M01DE-42442-00 Nutrition on the epithelium of oral mucous membranes
 ** P01ES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
 R01EY-00169-04 Electrophysiological studies of retinal degenerations (human, cats, rats)
 P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
 R01HD-04287-06 Regulation of drug metabolism during development (human, monkeys)
 R01HD-05204-04 Malnutrition and the nervous system (rats)
 R01HD-07078-02 Growth and development of human fetal brain in vitro
 ** P01HL-10098-10 0015 Primates in cardiovascular research - Vitamin A deficiency
 ** P01HL-10098-10 0026 Primates in cardiovascular research - Thrombohemorrhagic phenomena
 R01NS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 R01NS-06262-10 Immuno basis of disease-Allergic encephalomyelitis (rats, rabbits, cats)
 ** R01NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
 ** M01RR-00633-02 0052 General clinical research center - Pregnancy wastage and maternal folate metabolism (human)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS A

- ** R07AL-10048-14 0001 International center for medical research - Respiratory virus research and hypothesis of epidemiology (human)
 R01AM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)
 R01AM-05968-14 Lipid metabolism (human, rats)
 ** R01AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 R01AM-08732-13 Vitamin A in glycoprotein synthesis
 R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
 ** R01AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
 ** R01AM-11597-08 Metabolic role of vitamin A (rats)
 R01AM-13523-05 Calcification of bone and cartilage (chickens)
 ** R01AM-13557-04 Metabolism of retinol and retinoic acid (rats)
 P01AM-14881-04 0013 Metabolism and function of fat-soluble vitamins - Studies on vitamin K (rats, hamsters, cattle)

- ** R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
 R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
 ** R01CA-15911-01 Nutrition and chemical carcinogenesis (rats)
 M01CP-22064-02 Organ culture assay of vitamin A analogs (mice, chickens)
 ** P01ES-00597-04 0012 Food-borne environmental toxicants - Influence of diet and environmental factors on responses to chemical agents (rat)
 P01EY-00208-14 Corneal physiology and pathology (rabbits, human)
 ** R01EY-00297-10 Vulnerability of the retina to light and other agents (rats, rabbits)
 ** P01EY-00331-08 0004 Retinal morphology, function and clinical characteristics - Functional physiology (rats, frogs)
 R01EY-00515-06 Vitamin A and protein synthesis in cornea (rats)
 R01EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
 R23EY-01360-01 Teratogenic induction of coloboma (hamsters)
 R01EY-01408-01 Hereditary diseases (rabbits)
 ** R01GM-12829-10 0010 Wound healing - Vitamin A deficiency in wound healing (rats, human)
 P01HD-05221-05 0031 Center grant in mental retardation - Teratology and genetics (mice, hamsters, rats, primates)
 R01HD-06045-03 Intra-relationship between retinal and male gonads (rats)
 R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
 ** P01HD-08315-01 0003 Biochemical, genetic and other studies in retardation - Specific nutrient deficiencies and brain development (rats)
 R01HL-16385-01 Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog)
 ** R01NS-02108-15 Hypo- and hypervitaminosis A (rats)
 P01NS-03354-13 0005 Neurosensory center - Visual physiology (human)
 M01RR-00032-14 0015 General clinical research center - Pathogenesis of human candidiasis
 ** M01RR-00055-13 0117 General clinical research center - Subclinical vitamin A deficiency (human)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B

- SEE ALSO VITAMIN B (COMPLEX)
 ** R01AA-00325-01 Ethanol effects and thiamine deficiency
 R01AI-07632-06 Cholera immunology in primates
 R01AM-02448-16 Physiological functions and metabolism of thiamine (rats)
 R01AM-10297-08 Thiamine metabolism in mammals (human, rats)
 R01AM-16097-02 Propionogenic potential of polyunsaturated fat (human, rats)
 R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
 P01HD-05342-04 0011 Mental retardation and brain development - Amino aminopathies and genetic diseases (human, rats)
 ** R01HD-06007-03 0003 Metabolism of myoinositol during development (rats) - Effect of myoinositol absence on neonate development (rats)
 R01HL-09489-09 0001 Myocardial lipid metabolism and regulation - Polyunsaturated fatty acid metabolism (rats)
 R01RS-04454-11 Cystathionine metabolism in brain (monkeys)
 R01NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
 M01RR-00058-13 0001 General clinical research center - Intestinal absorption in selected patients

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, BERIBERI

- P01HL-10436-09 0004 Congenital heart disease - Myocardial performance and metabolism in hearts of small animals

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, CHOLINE DEFICIENCY

- R01AM-15041-02 Ceroidogenesis (rats)
 P01ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 R01GM-20316-01 Regulation of microsomal enzymes by phospholipids (Gunn rats, guinea pigs)
 P01HL-16251-01 0013 Membrane-bound enzymes in heart and other tissues - Functional capacity of membrane-bound enzymes (rats, squirrels)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, FOLIC ACID DEFICIENCY

- SEE ALSO FOLIC ACID ANTAGONISTS
 ** R22AM-15242-03 Intestinal malabsorption in protein malnutrition (human)
 R01AM-16690-02 Folic acid binding protein and folate metabolism (human)
 R01AM-17521-01 Effect of ethanol and other drugs on folate metabolism (human)
 R13AM-17546-01 Workshop conference on folic acid (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
- PO1HD-05342-04 0003 Mental retardation and brain development - Hypersarcosinemia and sarcosine metabolism (rats)
- ** PO1HD-05342-04 0004 Mental retardation and brain development - Amino acid studies in growing rat
- P18HL-15158-03 0018 Comprehensive sickle cell disease center - Quantitative hemoglobin F analysis (human)
- ** RO1NS-09471-02 Folic acid deficiency and brain development (mice, rats)
- MO1RR-00030-13 0093 General clinical research center - Myeloproliferative syndrome (human)
- ** MO1RR-00052-13 0045 General clinical research center for children - A new treatable form of schizophrenia
- MO1RR-00055-13 0061 General clinical research center - Triated folic acid for evaluating intestinal absorption (human)
- ** MO1RR-00125-11 0156 General clinical research center-adult-child - Tests for folic acid or vitamin B12 deficiency in megaloblastic anemia
- ** MO1RR-00210-10 0024 General clinical research center-Maternal-child - Folate abnormalities in pregnancy
- ** MO1RR-00533-06 0047 General clinical research center, adult - Effects of alcohol on iron metabolism
- ** MO1RR-00645-03 0025 Clinical research center - Effect of vitamin B12 and folic acid deficiency of absorptive function (human)
- MO1RR-00833-01 0020 General clinical research center - Intestinal absorption of 5-methyl tetrahydrofolic acid (human)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, PELLAGRA

- ** RO1AM-15480-03 Tryptophan metabolism in pellagra (human)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, RIBOFLAVIN DEFICIENCY

- RO1AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
- ** PO1CA-10893-06 0002 Cancer Research Center - Clinical Research Section
- RO1HD-06468-01 Bilirubin toxicity-Metabolic effects of phototherapy (rats)
- ** MO1RR-00645-03 0017 Clinical research center - Effects of hyperthyroidism and myxedema on riboflavin metabolism (human)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, THIAMINE DEFICIENCY

- RO1AA-00242-06 0001 Alcoholism and diseases of the heart - Animal studies (dogs, monkeys)
- ** RO1AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)
- RO3AA-01391-01 Thiamine deficiency-Intracerebral mechanism
- ** RO1DA-00538-01 Thiamine deficiency (rats, mice)
- PO1ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
- RO1NS-06163-09 Cerebral metabolism in newborn and young (children, mice)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B6

- RO1AA-00196-03 Alcohol induced defects in pyridoxine and folate metabolism (human, rats)
- ** RO1AA-00225-07 Hematologic and metabolic studies in alcoholism (human, rats)
- ** RO1AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
- RO1AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
- ** RO1AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)
- RO1AM-15443-03 Regulation of erythroid maturation (human, rabbits, guinea pigs, mice)
- RO1AM-16452-01 Control and disorder of iron metabolism (human)
- ** RO1CA-13759-02 Growth of Morris hepatomas in vitamin-B6 deficiency (rats)
- PO2CA-14520-02 0013 Wisconsin Clinical Cancer Center - Vitamin B6, steroid hormones and energy (human)
- P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
- PO1HD-02274-08 0144 Mental retardation and child development - Developmental immunology (human, rats)
- PO1HD-04147-06 0011 Research in mental retardation - Morphogenic anomalies (human, mice, rats)
- ** PO1HD-05961-03 0001 Human and mammalian development - Developmental defects of intrauterine B6 deficiency (rats)
- PO1HD-06276-03 0030 Mental retardation research program - Tryptophan in Down's syndrome (children)
- RO1HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
- ** MO1HD-22731-03 Interaction of B-vitamins with contraceptive steroids (rats)
- ** MO1HD-22782-03 Effects of oral contraceptives on vitamin B6 nutrition (human)

- PO1HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology
- PO1HL-13262-02 0017 Arterial wall in atherosclerosis - Fine structure of hypertensive and atherosclerotic vessels (animals)
- P17HL-15103-03 0010 Specialized center of research-arteriosclerosis - Experimental models-Induction of lesions (monkeys)
- RO1NS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
- ** MO1RR-00210-10 0024 General clinical research center-Maternal-child - Folate abnormalities in pregnancy
- ** MO1RR-00750-02 0011 General clinical research center - Pharmacogenetic study of alcohol metabolism in man

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B12

- SEE ALSO BLOOD AND RE DISORDERS, ANEMIA PERNICIOUS
- RO1AA-00249-04 Alcoholism and intestinal malnutrition (rats, human)
- PO2AM-05630-12 0007 Metabolic unit for the Department of Medicine - Pancreatic function in pernicious anemia
- RO1AM-08171-11 Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms)
- RO1AM-16097-02 Propionogenic potential of polyunsaturated fat (human, rats)
- ** RO1AM-16574-02 Cobalamin deficiency in animals with enteric overgrowths (dogs, rats)
- ** RO1CA-03728-17 0002 Metabolism of normal and leukemic leukocytes - The methylfolate trap hypothesis of vitamin B12 action (human)
- ** RO1CA-03728-17 0006 Metabolism of normal and leukemic leukocytes - Methyltransferase, other enzymes catalyzing interconversions of folate compounds
- PO2CA-15688-01 0004 Program in medical oncology - Vitamin B12 antagonists as anti-cancer agents
- RO1HD-05204-04 Malnutrition and the nervous system (rats)
- RO1HD-06575-02 Metabolic studies in methylmalonic acidemia (human, rats)
- RO1HL-09489-09 0001 Myocardial lipid metabolism and regulation - Polyunsaturated fatty acid metabolism (rats)
- ** MO1RR-00040-14 0005 General clinical research center - Role of pancreas in vitamin B12 absorption (human)
- ** MO1RR-00059-13 0126 General clinical research center - Vitamin B12 deficiency (human)
- MO1RR-00123-11 0037 General clinical research center-Children - Hematologic disorders
- ** MO1RR-00125-11 0156 General clinical research center-adult-child - Tests for folic acid or vitamin B12 deficiency in megaloblastic anemia
- ** MO1RR-00645-03 0025 Clinical research center - Effect of vitamin B12 and folic acid deficiency of absorptive function (human)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C

- SEE ALSO VITAMIN C
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- RO1AM-15480-03 Tryptophan metabolism in pellagra (human)
- RO1CA-14532-02 Pathophysiology of leukemia in guinea pigs
- RO1DE-01701-12 Oral pathology-Electron microscopy (human, dogs, rats, rabbits, snails)
- R23DE-03486-03 Growing capillaries-Basal lamina and permeability (guinea pigs)
- RO1EY-00237-13 Physiologic studies of intraocular pressure (rabbits)
- PO1GM-17184-05 0011 Hereditary variations in man which modify drug toxicity - Ascorbic acid and drug metabolism (guinea pigs)
- PO1HL-08805-10 0026 Cardiovascular and pulmonary performance - Hypoxic pulmonary edema (rodents)
- PO1NS-09889-04 0013 Investigation of agents which damage the ear - Interaction studies (guinea pig)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

- SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
- SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
- SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
- ** PO2AM-04501-13 0009 Metabolic disease research center - Vitamin D deficiency and membrane glycoproteins synthesis
- RO1AM-07266-11 Activation and inhibition in calcification (rats)
- RO1AM-09096-09 Nutritional influences on bone (human, rats)
- ** PO1AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- ** PO1AM-09650-10 0003 Hormonal and ionic control of metabolism - Metabolic control in isolated thymocytes
- PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)

- RO1AM-13523-05 Calcification of bone and cartilage (chickens)
- ** PO1AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
- RO1AM-16383-01 Microvillus dense bodies-Role in calcium absorption (rats)
- PO1AM-16764-02 0006 Disorders of renal acidification - Role of parathyroid in renal tubular disfunctions (humans, rats, dogs)
- RO1AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
- RO1ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)
- RO1HL-04968-14 Physiological studies on the isolated perfused kidney (rabbits)
- RO1NS-10262-03 Anticonvulsant and psychoactive drug-induced osteomalacia (human, rats)
- MO1RR-00051-13 0053 General clinical research center - Osteomalacia-Effect of Ca and PO4 infusions (human)
- ** MO1RR-00058-13 0044 General clinical research center - Vitamin D metabolism (human)
- ** MO1RR-00079-12 0120 General clinical research center - Vitamin D deficiency and hyperparathyroidism in type II RTA (human)
- ** MO1RR-00123-11 0036 General clinical research center-Children - Vitamin D deficient and vitamin D resistant rickets

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS E

- RO1AM-02131-17 0005 Trace lipids in cell function - Vitamin E (rats)
- ** RO1AM-06978-12 Fatty acids metabolism in tocopherol deficiency (rats, rabbits, cattle)
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- ** RO1AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)
- ** R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** RO1AM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)
- ** PO1AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
- RO1AM-15041-02 Carcinogenesis (rats)
- RO1AM-16095-03 Membrane lipid metabolism in blood cells (human)
- RO1AM-16350-02 Vitamin E metabolism in skin (rats)
- ** RO1AM-17428-01 Anemia of vitamin E deficiency
- RO1CA-14221-02 Antioxidants in senescing and in neoplastic cells (mammals)
- ** RO1CA-15911-01 Nutrition and chemical carcinogenesis (rats)
- RO1ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
- RO1ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
- ** RO1ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
- ** RO1EY-01060-04 Cataract from a vegetable protein-based diet (rats)
- ** RO1HD-05641-12 Metabolism of the testis in vitamin E deficiency (rats)
- RO1HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
- RO1HD-08210-01 Vitamin E-New bioassay, new effects, new compound (rotifers)
- ** RO1HD-08317-01 Membrane changes during aging and vitamin E deficiency (rats)
- RO1HL-06481-12 Lipid metabolism (human, rats)
- RO1HL-16385-01 Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog)
- ** RO1NS-07180-12 Functional relationships in vitamin E-deficiency (guinea pigs)
- RO1NS-07413-07 Metabolic relationships of selenium in myopathies (sheep)
- RO1NS-11277-01 Pathogenesis of nutritional brain injury (chickens)
- PO1NS-11631-01 0004 Clinical center for research on Parkinson's and allied diseases - Histochemical studies (dogs, rats)
- RO1RR-00390-06 Normal biologic profiles for miniature swine

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS K

- RO1AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
- ** R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** MO1HD-22791-02 Contraceptive steroids and vitamin K
- ** RO1HL-15840-01 Sugar-induced heart lesions and vitamin K deficiency (birds, mammals subhuman)
- ** RO1HL-16515-01 Vitamin K and human prothrombin (and animals)
- MO1RR-00051-13 0087 General clinical research center - Coagulation factors and RBC survival in Gilbert's syndrome (human)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

NUTRITIONAL ABNORMALITIES, INFANT NUTRITION DISORDERS

SEE ALSO NUTRITIONAL ABNORMALITIES, MARASMOUS
SEE ALSO NUTRITIONAL ABNORMALITIES, PROTEIN DEFICIENCY, KWASHIORKOR

- ** P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- ** R22HD-03741-12 Infant malnutrition (human, rats, swine)
- ** R22HD-03942-07 Nutrition and development of children in rural areas (Mexico)
- ** R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
- ** R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
- R01HD-07649-01 Behavioral effects of early malnutrition in monkeys

NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)

SEE ALSO GASTROINTESTINAL DISORDERS, MALABSORPTION SYNDROMES

- R01AA-00205-10 Effects of ethanol in cirrhosis and the fatty liver (rats)
- R01AA-00224-06 Pathogenesis and treatment of alcohol-induced diseases (human, monkeys, rats)
- R01AA-00332-01 Infection and host defense mechanisms in alcoholism (human)
- R01A-07632-06 Cholera immunology in primates
- R01AL-08758-06 Composition and activities of the gut flora (mice)
- ** R07AI-10048-14 0002 International center for medical research - Immune responses in malnutrition (human)
- R07AI-10049-15 0004 International center for medical research - Anemia and bleeding disorders in West Pakistan (human)
- ** R07AI-10050-14 0001 International center for medical research - Nutrition and metabolism (human)
- R07AI-10051-14 International center for medical research and training (human, animals)
- ** R01AM-00180-23 Relation of hormones to growth and development (human)
- ** R01AM-00289-25 Histopathology of amino acid deficiencies (rats)
- R01AM-00668-20 Calcium and phosphate transport (rats)
- ** R01AM-03932-14 Copper metabolism in the rat
- M R01AM-04524-14 Requirements of polyunsaturated fatty acids
- ** R01AM-04524-14 0001 Requirements of polyunsaturated fatty acids - Effect of deficiency and supplementation upon fat metabolism (rats)
- R01AM-04524-14 0002 Requirements of polyunsaturated fatty acids - Effect of acetylenic acids upon fatty acid metabolism (rats)
- R01AM-04524-14 0004 Requirements of polyunsaturated fatty acids - Diseases and nutritional problems involving fatty acid metabolism (human)
- ** R01AM-04942-14 Effect of dietary fat on glyceride structure (rats)
- R01AM-05968-14 Lipid metabolism (human, rats)
- ** R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- R01AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)
- ** R01AM-08480-11 Cholesterol injury in mammals (rodents, rabbits)
- R01AM-09012-10 Studies on vitamin D and calcium metabolism (human, animals)
- M R22AM-09980-09 Infantile diarrhea and malnutrition (Peru, Baltimore)
- ** R22AM-09980-09 0001 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hospital treatment
- ** R22AM-09980-09 0002 Infantile diarrhea and malnutrition (Peru, Baltimore) - Ambulatory treatment of diarrhea
- ** R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
- ** R22AM-09980-09 0004 Infantile diarrhea and malnutrition (Peru, Baltimore) - Late effects of malnutrition (human)
- ** R22AM-09980-09 0005 Infantile diarrhea and malnutrition (Peru, Baltimore) - Ecology of malnutrition (human)
- ** R22AM-09980-09 0006 Infantile diarrhea and malnutrition (Peru, Baltimore) - Detection, treatment and prevention (human)
- ** R22AM-09980-09 0007 Infantile diarrhea and malnutrition (Peru, Baltimore) - Evaluation of new and enriched foods (human)
- ** R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
- ** R22AM-09980-09 0009 Infantile diarrhea and malnutrition (Peru, Baltimore) - Indicators of protein status (human)
- ** R22AM-09980-09 0010 Infantile diarrhea and malnutrition (Peru, Baltimore) - Copper metabolism (human)
- ** R22AM-09980-09 0011 Infantile diarrhea and malnutrition (Peru, Baltimore) - Lactase deficiency (human)
- R01AM-10004-10 Biosynthesis of coenzyme Q (rats)
- R01AM-10446-06 Magnesium nutrition and pathological calcification (rats)
- ** R01AM-10747-08 Altered diet and plasma amino acid pattern (rats)

- ** R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- R01AM-11270-08 Carbohydrate digestion by the intestine (human, rats)
- R01AM-11291-07 Chemical identity and nutritional effects of factor G (animals, human)
- ** R01AM-12024-07 Essential fatty acid intake and fatty acid synthesis (rats)
- ** R22AM-12105-05 Gastrointestinal functions of PCM children (and hamsters)
- ** R01AM-12432-06 Human chromium nutrition and deficiency
- R01AM-13309-06 Production and excretion of intestinal gas (human, rats, dogs)
- R01AM-13323-04 Interorgan movement of amine acids (dogs, human)
- R01AM-13897-05 Cellular adaptations to malnutrition (rats)
- R01AM-14717-04 Relationship of thyrocalcitonin to bone phosphate (rats, mice)
- R01AM-15100-04 Importance of chromium in human nutrition (also mice)
- R01AM-15615-03 Chromium in lipid and carbohydrate metabolism (rats, human)
- R01AM-15851-03 Liver plasma membrane protein turnover in cholestasis (rats)
- ** R01AM-15855-03 Branched amino acid metabolism in altered nutrition (human, rats)
- ** R22AM-15970-02 Malnutrition and host defense - Leukocyte function (rats, human)
- ** R01AM-16080-03 Renal dysfunction related to choline deficiency (rats)
- ** R22AM-16206-02 Malnutrition, infection, and human leukocyte metabolism
- R01AM-16658-01 Nitrogen pools and turnover in surgical patients
- R01AM-17259-01 Body nutrient reserves and feeding behavior (rats, mice)
- ** R01AM-17537-02 Functional morphology of the alimentary tract (human, rat, rabbits)
- ** R01AM-17550-01 Nutritional (manganese) deficiency and lysosomal function (chickens)
- R01AM-17672-01 Regulation of kidney transaminase activities (rats)
- ** R01AM-17708-01 Protein-energy relationships in malnutrition
- R01AM-18072-01 Calcium homeostasis - Endocrine and comparative aspects (quail, rats, chipmunks)
- NO1AM-32210-02 Nitrogen metabolism in uremia (human)
- P02CA-05831-13 0036 Cancer clinical research - Parenteral hyperalimentation in the cancer patient (also rats)
- ** P01CA-08748-09 5608 Research program of Sloan-Kettering Institute - Thymic enlargement in magnesium deficiency (rats)
- R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- R01CA-14758-01 The ultimobranchial body and thyroid tumors (rats, birds)
- ** NO1CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- ** NO1CP-33238-02 Interactions between diet and chemical carcinogenesis (rats)
- NO1CP-43253-00 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- ** NO1CP-92083-07 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- ** R01DA-00276-07 Effects of prenatal malnutrition on drug sensitivity
- RO1DE-01701-12 Oral pathology - Electron microscopy (human, dogs, rats, rabbits, snails)
- RO1DE-02120-10 Salivary gland DNases (rats)
- RO1DE-02342-07 Normal and altered oral mucosa (rats)
- ** P13DE-02600-08 0008 Planning of a research center in oral biology - Nutrients and oral and paraoral structure (rats)
- R01ES-00075-10 Enzyme mechanism of insecticide metabolism (rats)
- R01ES-00254-12 Selenium metabolism (bacteria, plants, rats, mice)
- PO1ES-00454-06 0002 Biological effects of environmental agents - Dehydration, food deprivation and clearance of environmental agents (rodents)
- PO1ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- ** PO1ES-00481-03 0004 Subcellular pathology of heavy metals - Low dietary calcium and iron and susceptibility to lead poisoning (rats)
- R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
- ** R01ES-01017-01 Nutritional significance of selenium-2 selenoproteins (rats)
- R01GM-12829-10 0019 Wound healing - Normal colon healing (rats)
- R01GM-15289-07 Electron microscopy of cells having cycles (human, primates, mammals)
- ** P01GM-17806-05 0014 Nutritional factor effects on drug action - Protein malnutrition and hepatic drug metabolizing enzymes (rats)

- P01GM-17806-05 0018 Nutritional factor effects on drug action - Species and anionic drugs influence on sulfonamide-albumin interactions
- R01HD-00534-14 Immunology and aging (mice)
- ** R01HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)
- ** P01HD-01799-09 0009 Mental retardation research center - Growth regulatory mechanisms (rats, human)
- ** P01HD-01799-09 0043 Mental retardation research center - Severe malnutrition in infancy and late intellectual and behavioral development
- ** P01HD-01799-09 0045 Mental retardation research center - Organization and conduct of services for mentally subnormal children
- ** P01HD-02147-08 0002 Extruterine growth and development - Cellular division (mice)
- P01HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
- ** P01HD-02274-08 0143 Mental retardation and child development - Developmental nutrition and immunity
- R01HD-02355-08 Genetic-nutritional interactions in development (mice)
- ** R01HD-02581-14 Effects of malnutrition in early life (rats, swine)
- ** P01HD-03352-07 0011 Wisconsin center on mental retardation - Myelin in hyperaminoacidemias and nutritional deficiencies (mammals)
- ** P01HD-03352-07 0031 Wisconsin center on mental retardation - Effects of nutrition on behavioral competency (human)
- ** R22HD-03942-07 Nutrition and development of children in rural areas (Mexico)
- ** P01HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
- P01HD-04024-06 0007 Mental retardation research center - Trace metal metabolism (human)
- R01HD-04287-06 Regulation of drug metabolism during development (human, monkeys)
- ** P01HD-05204-04 Malnutrition and the nervous system (rats)
- ** P01HD-05342-04 0002 Mental retardation and brain development - Hyperaminoacidemia nutrition and myelin deposition (rats)
- P01HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
- ** P01HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
- ** P01HD-05615-04 0005 Developmental biology in mental retardation - Postnatal brain development (rabbits)
- ** R01HD-05668-03 Effect of overcrowding malnutrition on growth (rats)
- R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
- ** P01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
- ** P01HD-06276-03 0047 Mental retardation research program - Effect of undernutrition on myelination in developing rat (electron microscopy)
- ** P01HD-06276-03 0083 Mental retardation research program - Growth of myelin sheath and axon in sciatic nerve of undernourished rats
- R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
- R01HD-06751-02 Epidemiology of mental retardation - A national study (Netherlands)
- ** R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
- ** P01HD-06915-02 0001 Maternal malnutrition and fetal development - Antenatal diagnosis of fetal malnutrition (human)
- P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- ** P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- ** P01HD-06915-02 0004 Maternal malnutrition and fetal development - Glucose homeostasis in fetal malnutrition (human)
- P01HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- ** R01HD-06917-02 Nutrition and the thymolymphatic system (rats, human)
- ** R01HD-07032-01 Malnutrition and behavioral development in monkeys
- ** R01HD-07068-02 Nutritional effects on serum gonadotropin in women
- ** R01HD-07649-01 Behavioral effects of early malnutrition in monkeys
- R01HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
- R01HD-08313-02 Regulation of anterior pituitary function in rat and man
- M P01HD-08315-01 Biochemical, genetic and other studies in retardation
- P01HD-08315-01 0003 Biochemical, genetic and other studies in retardation - Specific nutrient deficiencies and brain development (rats)

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RO1HD-08432-01 0001 Parenteral nutrition in newborn animals 2 Overall somatic growth and organ growth (dogs)
 RO1HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
 RO1HD-08432-01 0003 Parenteral nutrition in newborn animals - Lipid composition of brain and fatty acid status
 RO1HD-08434-01 0003 Metabolic studies of parenteral nutrition in infants - RNase as assessment of nutritional status
 RO1HD-08434-01 0004 Metabolic studies of parenteral nutrition in infants - Serum essential fatty acids
 RO1HD-08712-01 Mechanisms of postnatal enzyme development (rats)
 ** RO1HD-09098-01 Malnutrition and secretory immunoglobulin A
 NO1HD-22787-02 Biochemical mechanisms of contraceptive steroid-induced abnormalities (rats)
 NO1HD-42859-00 Interaction between malnutrition and infection studies
 ** NO1HD-50640-14 Study of nutrition and development
 PO1HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
 RO1HL-10933-09 Fat metabolism and experimental atherosclerosis (rabbits, rats)
 RO1HL-11614-07 Trace elements in nutrition (chickens, rats)
 RO1HL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
 RO1HL-12998-05 Dietary hepatic lipidosis and protein synthesis (rats)
 ** RO1HL-14719-12 Role of copper in metabolism (chickens)
 RO1HL-15273-02 Metabolism of pulmonary surfactant (rats)
 ** RO1MH-16733-06 Developmental neuropsychology (rats)
 ** RO3MH-23978-01 Effect of perinatal nutrition on aversion threshold (rats)
 RO1NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
 ** RO1NS-07413-07 Metabolic relationships of selenium in myopathies (sheep)
 RO1NS-08787-05 A comparative study of the sense of taste (catfish, gastropods, human)
 RO1NS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
 RO1NS-09820-04 Effects of environmental stresses on brain development (rats)
 ** RO1NS-10657-01 Undernutrition and synapse development (mice)
 RO1NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
 RO1NS-11670-01 Developmental regulation of brain sterol synthesis
 PO1NS-11766-01 0009 Clinical research center for neuromuscular disease - Motor nerve conduction velocities in premature
 PO1NS-11766-01 0010 Clinical research center for neuromuscular disease - H reflexes in high risk newborns
 ** MO1RR-00042-14 0002 General clinical research center - Intestinal malabsorption (human)
 ** MO1RR-00044-14 0002 General clinical research center - Electrolyte metabolism in malnutrition (human)
 ** MO1RR-00063-12 0016 General clinical research center - Nutritional studies and intestinal structure and function (human)
 MO1RR-00069-12 0023 General clinical research center, children - Nycthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma
 ** MO1RR-00088-11 0047 General clinical research center - Cellular immunity in nutritional states (human)
 MO1RR-00109-11 0025 General clinical research center - Absorptive defects and immune mechanisms in regional enteritis (human)
 PO6RR-00168-13 New England regional primate research center
 ** MO1RR-00188-10 0018 General clinical research center for children - Tissue electrolytes in malnutrition
 ** MO1RR-00229-09 0024 General clinical research center - Persistent diarrhea in infants (human)
 MO1RR-00322-08 0013 General clinical research center - Hyperalimentation and CA therapy (human)
 MO1RR-00628-04 0007 General clinical research center for children - Neuroendocrine aspects of sleep in dwarfism
 MO1RR-00828-01 0042 General clinical research center - Body composition (human)

NUTRITIONAL ABNORMALITIES, MARASMIUS

R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
 R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
 R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
 ** R22HD-03741-12 Infant malnutrition (human, rats, swine)

NUTRITIONAL ABNORMALITIES, PROTEIN DEFICIENCY

RO1AA-00242-06 0001 Alcoholism and diseases of the heart - Animal studies (dogs, monkeys)
 RO1AI-07632-06 Cholera immunology in primates
 ** RO7AI-10050-14 0001 International center for medical research - Nutrition and metabolism (human)

RO1AM-05968-14 Lipid metabolism (human, rats)
 RO1AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 ** PO1AM-06704-12 0005 Neural and humoral control of endocrine function - Pituitary-adrenal response to stress in protein deprived animals
 ** R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
 R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
 R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
 RO1AM-10992-09 Enzymatic mechanisms of thyroid gland (human, rats)
 R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
 ** R22AM-12105-05 Gastrointestinal functions of PCM children (and hamsters)
 ** RO1AM-13897-05 Cellular adaptations to malnutrition (rats)
 ** RO1AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
 RO1AM-14702-04 0003 Mechanism of insulin antagonism - Uremia (human)
 ** RO1AM-14704-04 Protein turnover in protein and calorie deprivation (rats, swine)
 ** R22AM-15242-03 Intestinal malabsorption in protein malnutrition (human)
 RO1AM-15832-03 Role of dietary histidine in human nutrition
 ** RO1AM-15855-03 Branched amino acid metabolism in altered nutrition (human, rats)
 RO1AM-15861-03 Intestinal transport of dipeptides in man
 RO1AM-15919-02 Starvation and regulation of protein degradation (rats)
 ** R22AM-16206-02 Malnutrition, infection, and human leukocyte metabolism
 RO1AM-16226-01 Mechanism and control of serum albumin biosynthesis (rats, human, cattle)
 ** RO1AM-16530-03 Chemical pathology of amino acid deficiencies (rats)
 RO1AM-16654-02 0002 Nutrition and muscle protein turnover by new methods - Effect of various physiological and pathological conditions (rats, mice, dogs)
 RO1AM-16654-02 0003 Nutrition and muscle protein turnover by new methods - Studies with human subjects
 RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
 ** PO1AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
 RO1AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
 RO1AM-17609-01 Protein synthesis in normal and regenerating liver (rabbits)
 P17AM-17702-01 0003 Hepatitis cirrhosis center - Hepatic protein synthesis (rabbits, marmosets, clams)
 RO1CA-14538-02 L-asparaginase enzymology-Side effects of chemotherapy (bacteria)
 NO1DE-42441-00 Nutrition on the epithelium of oral mucous membranes (primates)
 NO1DE-42442-00 Nutrition on the epithelium of oral mucous membranes
 RO1ES-00109-09 Interactions of pesticides, drugs and other chemicals (mice, rats, quail)
 ** RO1ES-00336-06 Aftatoxin toxicity influenced by various factors (rats)
 RO1ES-00612-04 Biogenesis of the aflatoxins (Aspergillus, bacteria, mammals)
 ** RO1EY-01060-04 Cataract from a vegetable protein-based diet (rats)
 M RO1GM-16488-06 Hepatic microsomal drug oxidation
 ** RO1GM-16488-06 0014 Hepatic microsomal drug oxidation - Effects of chronic protein-calorie malnutrition on drug metabolism (rats)
 ** PO1GM-17806-05 0014 Nutritional factor effects on drug action - Protein malnutrition and hepatic drug metabolizing enzymes (rats)
 ** RO1GM-19571-02 Metabolism and nutrition in burns and trauma (human, rats)
 RO1GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
 ** RO1GM-21748-01 Metabolism and nutrition in burns and trauma (human, rats)
 R22HD-03741-12 Infant malnutrition (human, rats, swine)
 PO1HD-04147-06 0010 Research in mental retardation - Neuropathology (human, rats, monkeys)
 ** RO1HD-04863-05 Social development after malnutrition in infancy (monkeys)
 RO1HD-05384-03 Nutritional aspects of purine metabolism (rats)
 ** RO1HD-05394-04 Amino acids and prenatal brain development (rats)
 PO1HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
 PO1HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)

PO1HD-05894-04 0001 Genetic childhood diseases and aging - Lymphocyte function in the neonate and fetus (human, sheep)
 M PO1HD-06364-03 Maternal protein restriction and mental retardation
 ** PO1HD-06364-03 0001 Maternal protein restriction and mental retardation - Biogenic amines (rats)
 ** PO1HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
 ** PO1HD-06364-03 0003 Maternal protein restriction and mental retardation - Electrophysiological indices of brain malfunction (rats)
 ** PO1HD-06364-03 0004 Maternal protein restriction and mental retardation - Histone/nucleic protein of protein deprivation of brain (rats)
 ** PO1HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
 R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
 RO1HD-07032-01 Malnutrition and behavioral development in monkeys
 ** RO1HD-07240-05 Fetal effects of sulfocoujugation in pregnant rats
 ** RO1HD-07479-02 Pre- and post natal undernutrition and adaptive capacity (monkeys)
 ** RO1HD-07548-01 Immunologic impairment in protein-calorie disease (mice)
 ** RO1HD-07649-01 Behavioral effects of early malnutrition in monkeys
 ** RO1HD-07991-01 Nutritional effects on auditory far fields (rats)
 ** RO1HD-08194-01 Prenatal protein malnutrition and brain sterols
 ** PO1HD-08315-01 0002 Biochemical, genetic and other studies in retardation - Brain development in offspring following supplementation of maternal diet (rats)
 ** NO1HD-50640-14 Study of nutrition and development
 RO1HL-02751-17 Formation and function of serum albumin (cattle, rats)
 RO1HL-09744-10 Experimental vascular sclerosis (monkeys)
 PO1HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology
 P17HL-15061-03 0003 Response of lung to injury - Postnatal growth and development of the mammalian lung (rats, dogs)
 RO1NS-08787-05 A comparative study of the sense of taste (catfish, gastropods, human)
 PO6RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)

NUTRITIONAL ABNORMALITIES, PROTEIN DEFICIENCY, KWASHIORKOR

** R22HD-03741-12 Infant malnutrition (human, rats, swine)

NUTRITIONAL ABNORMALITIES, STARVATION

SEE ALSO NUTRIENT INTAKE ACTIVITY, HUNGER
 SEE ALSO NUTRITION, DIET, FASTING
 RO1AM-04732-13 Influence of nutrition on enzyme systems (rats)
 RO1AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
 PO1AM-08681-09 0026 Diseases of liver and portal circulation - Tissue enzymes and metabolic pathways
 RO1AM-12381-07 Iron in cell pathology (rats)
 RO1AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
 RO1AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
 RO1AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
 RO1AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
 ** RO1AM-14704-04 Protein turnover in protein and calorie deprivation (rats, swine)
 RO1AM-15468-02 Pyruvate carboxylase in metabolic regulation invertebrates, (vertebrates)
 RO1AM-15658-03 Regulation of skeletal metabolism (rats)
 ** RO1AM-15855-03 Branched amino acid metabolism in altered nutrition (human, rats)
 RO1AM-15861-03 Intestinal transport of dipeptides in man
 ** RO1AM-15919-02 Starvation and regulation of protein degradation (rats)
 RO1AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
 RO1AM-16102-01 0001 Regulation of ketoacid metabolism - Free fatty acids, acetoacetate and beta-hydroxybutyrate of muscle (rats, human)
 RO1AM-16102-01 0002 Regulation of ketoacid metabolism - Daily body balance of ketoacids (human)
 RO1AM-16102-01 0003 Regulation of ketoacid metabolism - Hepatic ketoacid production (human)
 RO1AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
 RO1AM-16617-02 Bile acid and lecithin reabsorption from primate bile (owl, monkeys, baboons)
 RO1AM-16740-02 Glycerol-3-P dehydrogenase-Role in lipid metabolism (birds, mice)
 RO1AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)

(contd)

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- R01AM-17456-02 Fat mobilization and protein sparing therapy (human, rats)
- P01CA-12662-03 0001 Cancer research center - Regulation of thymidine kinase in relation to cell division (mice)
- P01GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- ** P01GM-17806-05 0004 Nutritional factor effects on drug action - Amphetamine-like agent and barbiturate action in starved mice
- P01GM-17806-05 0005 Nutritional factor effects on drug action - Alteration of phenothiazine PD-50 (mice)
- R01GM-19091-03 Metabolism and control of fatty acids (animals, bacteria)
- R01GM-19526-03 Active sites of enzymes (rabbits, fungi)
- P01HD-00781-11 0002 Studies on prematurity - Amino acid metabolism (sheep)
- P01HD-00781-11 0004 Studies on prematurity - Fetal cerebral metabolism (sheep)
- R01HD-01866-09 Physiological study of the placenta (sheep)
- R01HD-04072-06 Placental and fetal RNA metabolism (rats)
- R01HD-05111-04 Production and excretion of urea in prenatal life (sheep)
- R01HD-07088-02 Nutritional effects on serum gonadotropin in women
- R01HD-08313-02 Regulation of anterior pituitary function in rat and man
- R01HL-04372-14 Lipolytic enzymes in plasma and tissues (rats, sheep)
- R01HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
- ** R01HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
- R01NS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
- ** M01RR-00031-14 0004 General clinical research center - Metabolic response of normal and prediabetic man to starvation
- M01RR-00032-14 0002 General clinical research center - Gluconeogenesis in health and disease (human)
- ** M01RR-00042-14 0048 General clinical research center - Effect of starvation on metabolism in obesity (human)
- ** M01RR-00076-12 0091 General clinical research center - Protein loss in trauma-Protein sparing therapy in semi-starvation (human)
- M01RR-00088-11 0046 General clinical research center - Protein calorie requirements during trauma, sepsis and infection (human)
- M01RR-00125-11 0136 General clinical research center-adult-child - Glucagon secretion and amino acid insulin relationship
- M01RR-00134-10 0001 General clinical research center - Serotonin metabolism (human)
- M01RR-00349-08 0033 General clinical research center - Insulin release following sodium acetate infusion in man
- ** M01RR-00533-06 0013 General clinical research center, adult - Body composition and metabolic changes in starvation
- M01RR-00633-02 0006 General clinical research center - Ketogenesis in humans
- ** M01RR-00865-01 0012 General clinical research center - Effect of sympathetic nervous system on sodium excretion during starvation
- NUTRITIONAL DISORDERS CHEMOTHERAPY**
SEE ALSO NUTRITION INTAKE ACTIVITY, APPETITE DEPRESSANTS
SEE ALSO NUTRITION, DIET THERAPEUTIC
- ** R01AA-00311-03 0016 Metabolic and psychological factors in alcoholism - Hypomagnesemia and psychological factors in alcoholism (human)
- ** R01AM-04524-14 0004 Requirements of polyunsaturated fatty acids - Diseases and nutritional problems involving fatty acid metabolism (human)
- ** P17AM-17624-01 0010 Obesity center - Thyroid hormones and beta adrenergic blockade in obesity treatment (human)
- ** R01HD-05668-03 Effect of overcrowding malnutrition on growth (rats)
- R01MH-22319-02 External and internal factors in food regulation
- R01NS-11277-01 Pathogenesis of nutritional brain injury (chickens)
- M01RR-00055-13 0117 General clinical research center - Subclinical vitamin A deficiency (human)
- M01RR-00059-13 0126 General clinical research center - Vitamin B12 deficiency (human)
- M01RR-00060-13 0062 General clinical research center - Tenacity in treatment of obesity (human)
- M01RR-00082-01 0029 General clinical research center - Effect of L-DOPA administration to obese patients
- ** M01RR-00084-01 0029 Clinical research centers - L-DOPA administration in anorexia nervosa (human)
- NUTRITIONAL DISORDERS DIAGNOSIS***
- R01AM-13557-04 Metabolism of retinol and retinoic acid (rats)
- P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- ** P17AM-17624-01 0002 Obesity center - DNA polymerase in adipose tissue of early postnatal rats
- P17AM-17624-01 0014 Obesity center - Pediatric and obstetric division
- P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
- P01GM-15003-13 0025 The biological functions of metals - Zinc deficiency (*Euglena gracilis*, *E. coli*, human, rats)
- P18HL-15158-03 0018 Comprehensive sickle cell disease center - Quantitative hemoglobin F analysis (human)
- ** M01HV-22923-04 Educational diagnosis in nutrition counselling
- NUTRITIONAL REQUIREMENTS**
SEE ALSO NUTRITION, DIETARY AMINO ACIDS, ESSENTIAL AMINO ACIDS
SEE ALSO NUTRITION, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS
- R01AA-00084-07 Erythropoiesis in megaloblastic anemias (human)
- R01AI-08758-06 flora (mice)
- R01AI-09558-05 In vitro cultivation of human and simian malarial parasite
- R01AI-09625-05 Development of parasitic nematodes in vitro (mice, rats)
- R01AM-03524-15 Role of vitamin B6 in metabolism (mice)
- P02AM-05630-12 0015 Metabolic unit for the Department of Medicine - Vitamin dependence of inborn errors of metabolism (human)
- ** R01AM-06850-12 Nutritional needs as influenced by genetic variation (chickens)
- R01AM-08171-11 Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms)
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- ** R01AM-08533-10 Utilization of essential amine acids by man (also rats)
- R01AM-09520-09 Nutritive value of proteins (rats, monkeys)
- R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)
- ** R22AM-09980-09 0012 Infantile diarrhea and malnutrition (Peru, Baltimore) - Amino acid requirements (human)
- ** P02AM-10202-08 0002 Studies in human nutrition - Protein requirements of teenage pregnancy (human, rats)
- ** R01AM-11291-07 Chemical identity and nutritional effects of factor G (animals, human)
- ** R22AM-12030-03 Calorie and nutrient requirements of Filipinos
- R22AM-12095-06 Effect of heat and hard work on nitrogen requirement (human)
- ** R01AM-12708-05 Histidine biosynthesis in animal development (human, mammals, chickens)
- R01AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
- R01AM-15603-03 Therapeutic value of augmented nitrogen reutilization (human, rabbits)
- R01AM-15847-04 Metabolic and enzymatic effects of meal feeding (rats)
- ** R01AM-15856-03 Dietary protein intake and human protein metabolism
- ** R01AM-15892-03 Plasma amino acids and human amino acid needs
- ** R01AM-16560-01 Metabolic studies in parenterally fed models (sheep, swine)
- ** R01AM-16836-01 Plasma amino acid method to assess amino acid needs (rats)
- ** R01AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
- R01AM-16986-02 Biochemical effects of selenium in IRNA (*E. coli*, yeast, animals, plants)
- ** R22AM-17086-01 Amino acid requirements of pre-school age children
- R13AM-17546-01 Workshop conference on folic acid requirements
- ** N01AM-42209-00 Evaluation of human nutrient requirements
- N01AM-70726-10 Screening of rice varieties
- N01AM-90066-06 Study on amino acids and uremia (human)
- ** P01CA-06927-12 0026 Biological and biochemical program in cancer research - Influence of nutrition upon aging (rats)
- ** P01CA-10815-06 0049 Consolidated basic cancer research program - Macromolecular synthesis as a function of nutrient levels (human)
- ** P01CA-10815-06 0067 Consolidated basic cancer research program - Isolate sterol-requiring mutants of mammalian cells
- R01CA-12920-03 Molecular basis of intercellular adhesion (mice, chick embryo)
- P01CA-15655-01 0022 Cancer center support grant - Growth regulation and rRNA synthesis (sea urchins)
- P01CA-15655-01 0031 Cancer center support grant - Marine environment program
- N01CP-43342-00 Etiology of esophageal cancer in the Caspian Littoral of Iran
- POIES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
- R01EY-00515-06 Vitamin A and protein synthesis in cornea (rats)
- R01FD-00472-02 Organic metabolites of selenium (rats, chickens, swine, cattle)
- P01GM-20124-02 0004 Center for human genetics and inherited disease - Genetic studies on differentiated liver cells in culture (mice)
- R01GM-20395-02 Factors affecting bacterial transport system activity
- P01HD-00781-11 0002 Studies on prematurity - Amino acid metabolism (sheep)
- P01HD-00781-11 0004 Studies on prematurity - Fetal cerebral metabolism (sheep)
- R01HD-07032-01 Malnutrition and behavioral development in monkeys
- ** R01HD-07240-05 Fetal effects of sulfoconjugation in pregnant rats
- ** R01HD-07250-02 Sweet nitrogen losses and protein intake in children
- R01HD-07565-01 Dynamic 'World system' models
- ** R01HD-08300-01 Protein needs of elderly people
- P01HL-08214-11 0007 Chemical and biological properties of lipids - Requirements of polyunsaturated acids (human)
- P01HL-10098-10 0015 Primates in cardiovascular research - Vitamin A deficiency
- P01HL-10098-10 0020 Primates in cardiovascular research - Vitamin A toxicity
- ** P01HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
- ** P01HL-10098-10 0029 Primates in cardiovascular research - Iron deficiency anemia and iron utilization
- P01HL-10098-10 0031 Primates in cardiovascular research - Cardiovascular physiology
- R01HL-12399-09 Specific fatty acids and cholesterol metabolism (gorbils, monkeys)
- ** P01NS-06890-07 0010 Sensory processes - Food references in fish
- ** M01RR-00032-14 0049 General clinical research center - Folic acid turnover in man
- M01RR-00044-14 0058 General clinical research center - Metabolic effects of MGH, especially on bone (human)
- M01RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child
- M01RR-00080-12 0046 General clinical research center - Vitamin C requirements in myelodysplasia (human)
- ** M01RR-00088-11 0002 General clinical research center - Protein and amino acid requirements in man
- ** M01RR-00088-11 0003 General clinical research center - Protein requirements of healthy young men
- M01RR-00088-11 0038 General clinical research center - Total body N turnover and protein synthesis and catabolism (human)
- ** M01RR-00088-11 0046 General clinical research center - Protein calorie requirements during trauma, sepsis and infection (human)
- ** M01RR-00188-10 0051 General clinical research center for children - Nutritional requirements of hypermetabolic children
- ** M01RR-00633-02 0053 General clinical research center - Iron requirements of pregnancy (human)
- ** P06RR-00640-03 0001 Nutritionally defined gnotobiotic development and use - Chemically defined water-soluble diet for reproducing germ free mice
- ** P06RR-00640-03 0002 Nutritionally defined gnotobiotic development and use - Function and metabolism of germ free rodent (and dogs)
- NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS**
- R01AI-01508-18 Host-parasite relations of intestinal helminths (rats)
- M R01AM-04524-14 Requirements of polyunsaturated fatty acids
- ** R01AM-04524-14 0001 Requirements of polyunsaturated fatty acids - Effect of deficiency and supplementation upon fat metabolism (rats)
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- R01AM-09520-09 Nutritive value of proteins (rats, monkeys)
- P01AM-09560-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- ** R22AM-09980-09 0007 Infantile diarrhea and malnutrition (Peru, Baltimore) - Evaluation of new and enriched foods (human)
- ** R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** R22AM-12030-03 Calorie and nutrient requirements of Filipinos
- R01AM-14165-04 Synthesis and absorption of vitamin B12 (sheep, cattle)
- ** R01AM-15100-04 Importance of chromium in human nutrition (also mice)
- P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- R01AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks
- R01AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)
- R01AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
- N01AM-32210-02 Nitrogen metabolism in uremia (human) (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

P01CA-16127-01 0017 Cancer Research and Treatment Center Program - Metabolism of benzo(A)pyrene (human, laboratory animals)
 NO1DE-32408-01 Effect of dietary additives on plaque chemistry and caries incidence (monkeys)
 ** P01ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
 ** P01EY-00331-08 0004 Retinal morphology, function and clinical characteristics - Functional physiology (rats, frogs)
 R01FD-00599-01 Dietary cholesterols and calcium metabolism (chicken, quail)
 ** P01GM-14546-08 0035 Influence of acute illness and injury on energy - Comparison of free amino and amine in parenteral nutrition (human)
 ** R22HD-03942-07 Nutrition and development of children in rural areas (Mexico)
 P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
 ** R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
 ** R01HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
 ** P01HD-08315-01 0002 Biochemical, genetic and other studies in retardation - Brain development in offspring following supplementation of maternal diet (rats)
 NO1HD-50640-14 Study of nutrition and development
 NO1HD-92180-13 Prevention of prematurity and developmental disorders (human)
 P18AL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
 ** R01HS-00422-05 Ecology of migrant peoples-Mississippi
 MO1RR-00036-14 0095 General clinical research center - Medium chain triglyceride supplementation and muscular dystrophy (human)
 MO1RR-00048-13 0034 Clinical center - Hypokalemia with normal blood pressure (human)
 ** MO1RR-00050-13 0038 Wilson's disease - Synthetic amino acids for nutrition in pancreatic insufficiency (human)
 MO1RR-00069-12 0021 General clinical research center, children - Use of L-arginine in cystic fibrosis
 MO1RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child
 MO1RR-00070-12 0079 General clinical research center - Tryptophan metabolism in normal human
 ** MO1RR-00082-12 0075 General clinical research center - Wilson's syndrome (human)
 ** MO1RR-00082-12 0104 General clinical research center - Metabolic study of children with hyperlipidemia Type II
 ** MO1RR-00083-12 0038 General clinical research center - Nutritional supplementation in renal failure (children)
 ** MO1RR-00107-11 0022 General clinical research center - Phosphorus feeding in hypercalcemia (human)
 ** MO1RR-00125-11 0223 General clinical research center - adult-child - Supplementary feeding in the premature infant
 MO1RR-00029-09 0016 General clinical research center - Role of chromium in abnormal carbohydrate metabolism (human)
 ** MO1RR-00318-08 0060 General clinical research center - Oxidized starch as an intestinal absorbent in uremia (human)
 MO1RR-00722-02 0016 General Clinical Research Center - Hemoglobinopathies particularly sickle cell anemia (human)
 MO1RR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation

NYBOMYCIN

SEE ANTIBIOTICS, NYBOMYCIN

NYCTALOPIA

SEE EYE DISORDERS, VISION DISORDERS, NIGHT BLINDNESS

NYLON

SEE PLASTICS, NYLON

NYSTAGMOGRAPHY

SEE EYE EXAMINATIONS, NYSTAGMOGRAPHY, ELECTRONYSTAGMOGRAPHY*

NYSTAGMUS

SEE EYE MOVEMENT AND COORDINATION DISORDERS, NYSTAGMUS

NYSTATIN

SEE ANTIBIOTICS, NYSTATIN

O ANTIGENS (BACTERIAL)

SEE IMMUNOLOGY, ANTIGENS BACTERIAL, SOMATIC ANTIGENS

OAT CELL CARCINOMA

SEE RESPIRATORY NEOPLASMS, OAT CELL CARCINOMA

OBESITY

SEE BODY WEIGHT, OBESITY

OBESITY HEREDITARY HYPERGLYCEMIC

SEE METABOLIC DISORDERS INBORN, OBESITY HEREDITARY HYPERGLYCEMIC

OBESITY REVERSING FACTOR, PITUITARY

SEE LIPID MOBILIZING FACTORS PITUITARY

OBLITERATION VASCULAR, THERAPEUTIC

SEE CARDIOVASCULAR SURGERY, VASCULAR OCCLUSION THERAPEUTIC

OBSESSIVE BEHAVIOR

SEE PSYCHOLOGY, BEHAVIOR, COMPULSIVE

OBSESSIVE-COMPULSIVE NEUROSIS

SEE PSYCHOLOGY ABNORMAL, NEUROSIS, OBSESSIVE-COMPULSIVE

OBSESSIVE-COMPULSIVE PERSONALITY

SEE PSYCHOLOGY, BEHAVIOR, COMPULSIVE

OBSTETRICAL ANESTHESIA

SEE SENSORY DEPRESSION, ANESTHESIA OBSTETRICAL

OBSTETRICS

SEE HEALTH SCIENCES PROFESSIONS, OBSTETRICS

OBSTRUCTIVE UROPATHY

SEE URINARY TRACT DISORDERS, URINARY TRACT OBSTRUCTION

OCCIPITAL LOBE

SEE BRAIN, CEREBRUM, OCCIPITAL LOBE

OCCLUSION VASCULAR, THERAPEUTIC

SEE CARDIOVASCULAR SURGERY, VASCULAR OCCLUSION THERAPEUTIC

OCCUPATIONAL ALCOHOLISM SPECIAL REVIEW COMMITTEE - NIAAA

- ** R18AA-00111-03 Kentucky occupational alcoholism services
- ** R18AA-00123-03 Occupational alcoholism services (West Virginia)
- ** R18AA-00367-02 Occupational alcoholism services
- ** R18AA-00402-01 Personnel guidance service
- ** R18AA-00417-01 Employee assistance program
- ** R18AA-00737-01 North Haven community employee program
- ** R18AA-00786-01 Employee alcoholic program
- ** R18AA-00799-01 Manpower maintenance
- ** R18AA-00817-01 Info Now-24 hour crisis intervention plan (Delaware valley)
- ** R18AA-00819-01 Detroit Civil Service demonstration project
- ** R18AA-00870-01 Industrial 'troubled employee' recovery program
- ** R18AA-01035-01 Overlock hospital occupational program
- ** R18AA-01484-01 Human intervention and motivation study (air line pilots)
- ** R18AA-01504-01 Monitoring of occupational alcoholism programming (private and public agencies)
- ** R18AA-01594-01 Employee assistance program
- ** R18AA-01604-01 Early identification and referral model
- ** R18AA-01692-01 ALMACA occupational alcoholism program assessment
- ** R18AA-01732-01 Enhancement of occupational alcoholism project
- ** R18AA-01744-01 Wisconsin state occupational alcoholism program expansion
- ** R18AA-01746-01 Texas expanded occupational programs
- ** R18AA-01752-01 Expansion of state occupational alcoholism services
- ** R18AA-01755-01 NYC corporate headquarters project
- ** R18AA-01756-01 Alcoholism program services
- ** R18AA-01766-01 Occupational alcoholism research and training service
- ** R18AA-01767-01 Kentucky occupational alcoholism programs

OCCUPATIONAL DISEASES

SEE OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES

OCCUPATIONAL HAZARDS

SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

OCCUPATIONAL HEALTH

SEE ALSO SAFETY AND OCCUPATIONAL HEALTH STUDY SECTION

- ** R18AA-00125-03 State occupational alcoholism program service
- R18AA-00145-03 State occupational alcoholism program service
- R18AA-00149-03 Missouri State occupational alcoholism program
- ** R18AA-00159-03 State occupational alcoholism service
- R18AA-00160-03 Secondary prevention of alcoholism programs
- ** R18AA-00161-03 Oregon program on alcoholism in business and industry
- R18AA-01744-01 Wisconsin state occupational alcoholism program expansion
- R22AM-12030-03 Calorie and nutrient requirements of Filipinos
- R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- M P10ES-00002-12 Occupational and environmental health

P01ES-00354-07 0006 Human responses to thermal environment - Thermal environment and health

P17H-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
 R01OH-00514-01 Back injuries-Mechanical stresses in the human spine

OCCUPATIONAL HEALTH, INDUSTRIAL MEDICINE

- R18AA-00059-02 Alcohol and recovery program
- ** R18AA-00110-03 A comprehensive occupational alcoholism program plan
- ** R18AA-00112-03 Arkansas occupational alcoholism program services
- ** R18AA-00113-03 Project for mobilizing labor support for alcoholism
- ** R18AA-00114-03 State occupational alcoholism program service
- ** R18AA-00115-03 State occupational alcoholism program services
- ** R18AA-00118-03 Montana state occupational alcoholism program
- ** R18AA-00119-03 Occupational alcoholism program
- R18AA-00120-03 North Carolina occupational alcoholism program
- ** R18AA-00121-03 State occupational alcoholism program service
- ** R18AA-00122-03 Minnesota occupational alcoholism program service
- ** R18AA-00124-03 State occupational alcoholism programs (Connecticut)
- ** R18AA-00126-03 State occupational alcoholism program services
- ** R18AA-00127-03 State occupational alcoholism program service
- ** R18AA-00128-03 Occupational alcoholism program service
- ** R18AA-00129-03 Occupational alcoholism program service
- ** R18AA-00130-03 South Carolina occupational alcoholism program
- ** R18AA-00131-03 Nebraska occupational alcoholism program services
- ** R18AA-00132-03 Operation helping hand (alcoholism)
- ** R18AA-00133-03 Colorado occupational services project
- ** R18AA-00134-03 Indiana department of mental health division of alcoholism
- ** R18AA-00135-03 State occupational alcoholism program services
- ** R18AA-00136-03 State occupational alcoholism program service
- ** R18AA-00137-03 California occupational alcoholism
- ** R18AA-00138-03 Comprehensive industrial alcoholism program
- ** R18AA-00139-03 Wisconsin State occupational alcoholism
- R18AA-00140-03 Pennsylvania State occupational alcoholism program
- ** R18AA-00141-03 Massachusetts State occupational alcoholism program
- ** R18AA-00142-03 North Dakota State occupational alcoholism program
- ** R18AA-00143-03 Illinois occupational alcoholism program
- ** R18AA-00144-02 Industrial alcoholism staff development (Alaska)
- ** R18AA-00157-03 State occupational alcoholism program services
- ** R18AA-00367-02 Occupational alcoholism services
- R18AA-00408-03 Washington Hospital Center-Alcoholism program
- R18AA-00408-03 Comprehensive occupational alcoholism program
- R18AA-00412-03 Troubled employee health evaluation plan
- ** R18AA-01135-02 Alcohol prevention in small business
- R01HS-00874-03 Ambulatory health services-Organization, problems and future models
- P01MH-11668-09 0027 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at Kodak plant

OCCUPATIONAL HEALTH, LABORATORY ACCIDENTS AND INFECTIONS

- ** NO1CP-33243-03 Research and development of biohazards control
- ** NO1CP-43218-00 Cancer and chronic diseases virologic laboratory workers
- NO1CP-43285-00 Short courses on laboratory biohazards and injury control
- ** NO1RS-32137-00 Biohazards safety guide

OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES

- SEE ALSO METALS POISONING
- SEE ALSO OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS
- SEE ALSO RESPIRATORY DISORDERS, BYSSINOSIS
- SEE ALSO RESPIRATORY DISORDERS, PNEUMOCONIOSIS
- SEE ALSO RESPIRATORY DISORDERS, PNEUMONITIS ALLERGIC INTERSTITIAL, FARMER'S LUNG
- ** R26CA-15950-01 Case-control bladder tumor morbidity study (human)
- R26CA-16768-01 International bladder cancer study-Planning phase (human)
- M P10ES-00928-01 Environmental agents-Relation to human health effects

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P10ES-00928-01 0003 Environmental agents-Relation to human health effects - Silica exposure with alkalies and acids-Abrasive soap pneumoconiosis (human)
- ** P10ES-00928-01 0004 Environmental agents-Relation to human health effects - Less common cancers in asbestos workers-Multiple factor etiology
- ** P10ES-00928-01 0005 Environmental agents-Relation to human health effects - Benzpyrene exposure, sunlight and skin cancer (human)
- ** P10ES-00928-01 0008 Environmental agents-Relation to human health effects - Inorganic microparticles and colon cancer (human)
- ** P10ES-00928-01 0026 Environmental agents-Relation to human health effects - Mesothelioma in U.S. shipyards
- ** P10ES-00928-01 0038 Environmental agents-Relation to human health effects - Bakers' asthma-Extrinsic allergic alveolitis
- ** R01ES-00969-01 Combined impulse continuous noise-Auditory effect (chinchillas)
- P01HD-03298-13 0001 Developmental pathology - Cytogenetics (human)
- R01HL-05933-15 Applied pulmonary physiology (human)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- P17HL-15063-03 0002 SCOR diffuse infiltrate ve lung disease - Asbestosis (human)
- M P17HL-15092-03 Occupational environmental pulmonary disease center
- ** P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
- ** P17HL-15092-03 0002 Occupational environmental pulmonary disease center - Accelerated silicosis in sandblasters
- ** P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
- ** P17HL-15092-03 0005 Occupational environmental pulmonary disease center - Respiratory and immunologic evaluation of isocyanate exposure
- R01HL-15211-02 Immunologic aspects of beryllium lung disease (human, rats, guinea pigs)
- P17HL-15389-03 0001 Wisconsin Pulmonary Disease Research Center - Patients known to have hypersensitivity pneumonitis
- P17HL-15389-03 0002 Wisconsin Pulmonary Disease Research Center - Patients suspected to have hypersensitivity pneumonitis
- P17HL-15389-03 0003 Wisconsin Pulmonary Disease Research Center - Epidemiology of hypersensitivity pneumonitis (human, bacteria)
- ** P17HL-15389-03 0006 Wisconsin Pulmonary Disease Research Center - Other environmental pulmonary diseases (human, mammals)
- ** R01OH-00360-04 Immune injury in occupational respiratory diseases (rabbits, mice)
- R01OH-00449-01 Cohort study of cancer mortality in virologists
- ** M01RR-00071-11 0040 General clinical research center - Diagnosis and therapy of industrial lung disease
- M01RR-00080-12 0073 General clinical research center - Growth hormone secretion in chronic manganese intoxication (human)
- M01RR-00722-02 0023 General Clinical Research Center - Genetic and other factors in chronic obstructive pulmonary disease (human)
- OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS**
- SEE ALSO OCCUPATIONAL HEALTH, LABORATORY ACCIDENTS AND INFECTIONS
- P01AM-00002-28 0013 Metabolic and hereditary disorders - Chromosomal disorders (human)
- ** P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
- ** P01CA-11535-05 Social epidemiology in prevention of cancer (human)
- P01CA-12707-03 0006 Cancer epidemiology program grant - Record linking (human)
- P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- ** P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ** P01CA-13343-02 0017 Environmental cancer - Evaluating exposure of miners to radon with lead - 210
- ** P01CA-13343-02 0018 Environmental cancer - Distribution and persistence of carcinogenic transuranium (human, monkeys)
- P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- P01CA-13343-02 0020 Environmental cancer - Computer model for calculating lung tissue dose from inhaled carcinogens (human)
- P01CA-13343-02 0021 Environmental cancer - Toxicology-Dosimetry and particulate carcinogens (human)
- ** R01CA-13811-02 Disability and mortality as measures of cancer (human)
- ** N01CN-45066-00 Tyler asbestos workers study
- N01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)
- ** N01CP-33202-01 Carcinogenic properties of industrial chemicals (hamsters, mice)
- ** N01CP-33243-03 Research and development of biohazards control
- ** N01CP-33285-03 Selection and ranking of environmental chemicals
- ** N01CP-43218-00 Cancer and chronic diseases virologic laboratory workers
- N01CP-43265-00 Short courses on laboratory biohazards and injury control
- ** P10ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
- ** P10ES-00002-12 0003 Occupational and environmental health - Workers exposed to toluene diisocyanate
- ** P10ES-00002-12 0004 Occupational and environmental health - Fire fighters
- P01ES-00049-10 0025 Mode of action and metabolism of organic toxicants - Polycyclic phosphorus compounds with toxicological properties (mice, chicks)
- P10ES-00210-07 0036 Center for environmental management - Pentachlorophenol exposure of workers in wood treatment plants
- P10ES-00260-12 0002 Research in the environmental health sciences - Respiratory disease aerosol physiology (human)
- ** P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
- ** P10ES-00260-12 0010 Research in the environmental health sciences - Respiratory tract particle deposition and bronchial clearance (human, donkeys)
- P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)
- ** P10ES-00260-12 0015 Research in the environmental health sciences - Effects of Iron-55 on the hematopoietic system (mice)
- P10ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)
- P10ES-00260-12 0022 Research in the environmental health sciences - Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether
- ** P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)
- ** P10ES-00260-12 0029 Research in the environmental health sciences - Breast cancer after postpartum mastitis
- ** P01ES-00481-03 0007 Subcellular pathology of heavy metals - Lead and cadmium toxicity in humans
- R01ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
- ** P01ES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
- P01ES-00735-01 0003 Public health hazards and environmental fate of parathion - Deposit and drift (air, soil, plants, insects, human)
- ** R01ES-00752-03 Asbestos air pollution-Extent,persistence, effects (human)
- R01ES-00872-01 Respiratory tract irritants-Densitization (rabbits, rodents)
- M P10ES-00928-01 Environmental agents-Relation to human health effects
- ** P10ES-00928-01 0001 Environmental agents-Relation to human health effects - Silicate dusts and concurrent smoking
- ** P10ES-00928-01 0002 Environmental agents-Relation to human health effects - Organic dusts among farmers and concurrent smoking
- ** P10ES-00928-01 0003 Environmental agents-Relation to human health effects - Silica exposure with alkalies and acids-Abrasive soap pneumoconiosis (human)
- ** P10ES-00928-01 0006 Environmental agents-Relation to human health effects - Exposure to titanium dioxide-Cancer risk in humans
- ** P10ES-00928-01 0007 Environmental agents-Relation to human health effects - Cancer risk due to occupational exposure to carbon black
- ** P10ES-00928-01 0012 Environmental agents-Relation to human health effects - Low-level, intermittent occupational exposure to talc dust
- ** P10ES-00928-01 0014 Environmental agents-Relation to human health effects - Epoxy exposure among painters
- ** P10ES-00928-01 0015 Environmental agents-Relation to human health effects - Low level exposure to polychlorinated biphenyls (human)
- ** P10ES-00928-01 0016 Environmental agents-Relation to human health effects - Diethyl stilbestrol exposure in males (human)
- P10ES-00928-01 0017 Environmental agents-Relation to human health effects - Detection of new biologically active agents in the environment (human)
- ** P10ES-00928-01 0021 Environmental agents-Relation to human health effects - Carbon disulfide-Relation to coronary disease and atherosclerosis (human)
- ** P10ES-00928-01 0022 Environmental agents-Relation to human health effects - Low-level trace metal and carcinogenic hazard in humans
- P10ES-00928-01 0031 Environmental agents-Relation to human health effects - Inorganic microparticles in brain tissue (human)
- P10ES-00928-01 0036 Environmental agents-Relation to human health effects - Inorganic microparticle content of human tissues
- P10ES-00928-01 0037 Environmental agents-Relation to human health effects - Neutralization of inorganic microparticles in vivo (microorganisms, mammals)
- ** P10ES-00928-01 0039 Environmental agents-Relation to human health effects - Pulmonary disease associated with welding fumes (human)
- P10ES-00928-01 0040 Environmental agents-Relation to human health effects - Exposure to industrial chemicals (human)
- M P01ES-01059-01 Metallic mercury vapor as an environmental hazard
- P01ES-01059-01 0002 Metallic mercury vapor as an environmental hazard - Pharmacokinetics of inhaled mercury vapor (human, animals)
- R01MH-12007-08 0003 Psychoactive phenolic amine analysis - Plasma levels of hydrocarbon pesticides
- ** R01OH-00303-16 Clinical and laboratory studies of metal sensitivity (guinea pigs, human)
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- ** R01OH-00309-16 Factors affecting the excretion of industrial poisons (human)
- R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
- R01OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)
- R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
- R01OH-00321-06 In vitro studies of occupational dermatitis (guinea pigs, human)
- ** R01OH-00322-06 Health hazards of the di-isocyanates (human)
- ** R01OH-00368-03 Occupational exposure to organophosphorus compounds (human)
- R01OH-00369-02 Epidemiology of respiratory disease in firefighters
- R01OH-00371-02 Occupational hazards of laser material processing (human)
- R01OH-00387-03 Accelerated silicosis in sandblasters (human)
- R01OH-00417-01 Noise control research on wood planers
- R01OH-00424-01 Agriculture tractor operator protection
- ** R01OH-00442-01 Coordinated textile industry noise reduction program
- ** R01OH-00456-01 Better foundry hygiene through permanent mold casting
- ** R01OH-00465-03 Current trends in survivorship of radiologists (human)
- ** R01OH-00472-01 Exposures of mixtures of airborne contaminants (guinea pigs)
- ** R01OH-00479-01 Effects of vibration on human comfort and performance
- R01OH-00513-01 Detection of environmental depigmenting substances (guinea pigs)
- R01OH-00514-01 Back injuries-Mechanical stresses in the human spine
- R01OH-00525-01 Association of leukemia with agriculture occupation
- ** M01RR-00055-13 0110 General clinical research center - Viral hepatitis and occupational hazard to surgeons
- ** M01RR-00088-11 0005 General clinical research center - Radium and mesothorium poisoning in humans
- ** M01RS-32137-00 Biohazards safety guide
- OCCUPATIONAL PSYCHOLOGY**
- SEE PSYCHOLOGY OCCUPATIONAL
- OCCUPATIONAL THERAPY**
- SEE HEALTH CARE SERVICES, OCCUPATIONAL THERAPY
- OCCUPATIONS**
- SEE ALSO ARTS
- SEE ALSO CHILD WELFARE, CHILD CARE PERSONNEL
- SEE ALSO DENTAL PERSONNEL
- SEE ALSO EDUCATION, TEACHING
- SEE ALSO HEALTH CARE FACILITIES, SHELTERED EMPLOYMENT
- SEE ALSO HEALTH CARE SERVICES, REHABILITATION VOCATIONAL
- SEE ALSO HEALTH SCIENCES PROFESSIONS (GENERAL)
- SEE ALSO HOSPITALS PERSONNEL
- SEE ALSO MENTAL HEALTH PERSONNEL
- SEE ALSO PSYCHOLOGY OCCUPATIONAL
- SEE ALSO SOCIAL CONTROL PERSONNEL
- SEE ALSO SOCIOECONOMICS, FINANCING ORGANIZED, INCOME MAINTENANCE
- SEE ALSO SOCIOECONOMICS, INCOME
- SEE ALSO SOCIOECONOMICS, INCOME, LOW INCOME GROUPS
- SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, RELIGION, CLERGY
- R18AA-00074-02 Community alcoholism services poverty program-New York
- ** R18AA-00155-03 Virginia occupational alcoholism program services
- R18AA-00156-03 State employee and industrial alcoholism program
- ** R18AA-00409-03 Comprehensive occupational alcoholism program

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R18AA-00601-01 Portland public inebriate demonstration project
 R18AA-01291-01 Kingikimo arts and crafts project
 N01CP-43382-00 Epidemiological investigation of cancer in Utah
 P01DE-01697-12 0009 Interdisciplinary studies in cleft palate - Educational, vocational, and marital status of adults with clefts
 R01ES-01108-01 Effects of SO2 and respirable particulates on health
 R01GM-17369-05 Normal profile study (human)
 P01HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
 R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
 R01HD-06438-02 Female occupational structure-determinants and trends
 R01HD-06750-03 Personal constructs, aging, and impression formation
 R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US
 R01HD-07599-01 Occupation and the economic determinants of fertility
 R01HL-04697-15 International heart disease epidemiology (human)
 R01HL-07796-12 Antecedents of clinical coronary heart disease (human)
 P01HL-09814-09 0028 Research program- Cardiovascular and related disease - Occupational mobility as related to risk factors and health and disease
 P01HL-09814-09 0029 Research program- Cardiovascular and related disease - Employment stability as related to risk factors and health and disease
 P01HL-09814-09 0037 Research program- Cardiovascular and related disease - New risk factors associated with chronic respiratory disease (human)
 N01HR-12216-04 Family study of alpha 1 antitrypsin
 P01MH-13002-06 0001 Clinical and laboratory studies of affective disorder - Social effectiveness
 R01MH-16621-05 Social mobility in Philadelphia
 R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
 R01MH-22929-02 Suburban realtors and the politics of suburban housing
 R01MH-23900-02 Stress, ownership and pathology in urban dirty work
 R03MH-24392-01 Local-level effects of 'modernization' (human)
 R03MH-24550-01 Sex differences in reward distribution behavior
 R01MH-25096-01 Residential mobility and neighborhood change
 R01MH-25525-01 Investment of self in an urban group
 R01MH-25587-01 Social class and parents' aspiration
 R03MH-26180-01 Father's work, family relations, and career choice
 R01OH-00308-18 Evaluation of stresses of exposure to heat in humans
 R01OH-00362-09 Death rates among Italian railroad employees
 R01OH-00460-01 Byssinosis and small airways disease
- OCCUPATIONS, ADMINISTRATIVE PERSONNEL (GENERAL)**
 SEE ALSO HEALTH ADMINISTRATIVE PERSONNEL
 R18AA-00110-03 A comprehensive occupational alcoholism program plan
 R18AA-00111-03 Kentucky occupational alcoholism services
 R18AA-00113-03 Project for mobilizing labor support for alcoholism
 R18AA-00114-03 State occupational alcoholism program service
 R18AA-00115-03 State occupational alcoholism program services
 R18AA-00118-03 Montana state occupational alcoholism program
 R18AA-00119-03 Occupational alcoholism program
 R18AA-00121-03 State occupational alcoholism program service
 R18AA-00122-03 Minnesota occupational alcoholism program service
 R18AA-00123-03 Occupational alcoholism services (West Virginia)
 R18AA-00125-03 State occupational alcoholism program service
 R18AA-00126-03 State occupational alcoholism program services
 R18AA-00127-03 State occupational alcoholism program service
 R18AA-00129-03 Occupational alcoholism program service
 R18AA-00130-03 South Carolina occupational alcoholism program
 R18AA-00131-03 Nebraska occupational alcoholism program services
 R18AA-00132-03 Operation helping hand (alcoholism)
 R18AA-00134-03 Indiana department of mental health division of alcoholism
- R18AA-00135-03 State occupational alcoholism program services
 R18AA-00137-03 California occupational alcoholism program
 R18AA-00138-03 Comprehensive industrial alcoholism program
 R18AA-00141-03 Massachusetts State occupational alcoholism program
 R18AA-00142-03 North Dakota State occupational alcoholism program
 R18AA-00144-02 Industrial alcoholism staff development (Alaska)
 R18AA-00145-03 State occupational alcoholism program service
 R18AA-00149-03 Missouri State occupational alcoholism program
 R18AA-00151-03 Ohio occupational alcoholism program service
 R18AA-00152-03 Texas occupational alcoholism services program
 R18AA-00154-03 Oklahoma state occupational alcoholism services
 R18AA-00157-03 State occupational alcoholism program services
 R18AA-00367-02 Occupational alcoholism services
 R18AA-00414-03 Maryland state employees alcoholism program
 R01AA-00492-03 Supervisor reactions to alcohol problems and policies
 R01AA-00494-03 Supervisory reactions to alcohol problems and policies
 R18AA-00819-01 Detroit Civil Service demonstration project
 R18AA-01484-01 Human intervention and motivation study (air line pilots)
 R18AA-01504-01 Monitoring of occupational alcoholism programming (private and public agencies)
 P18HL-15996-02 0006 Cincinnati sickle cell anemia center - Education
 R01MH-22884-02 Organizational control and social change
 R01MH-23676-02 Employee participation in ownership and management (Peru)
 R01MH-23770-01 White universities' response to black students' entry
 R01MH-23949-01 Research study of retirement preparation programs
- OCCUPATIONS, AGRICULTURAL WORKERS**
 R18AA-00776-01 Transitional alcoholic halfway house
 R18AA-01482-01 Alcohol program for migrants and farmworkers
 R18AA-01615-01 Community alcoholism services Spanish-American
 R22AM-12030-03 Calorie and nutrient requirements of Filipinos
 R01DE-03901-01 Dichotomy of caries and periodontitis in Sri Lanka
 P01ES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
 R01HD-07682-02 Differential fertility in the United States, 1960-1070
 P17HL-15389-03 0001 Wisconsin Pulmonary Disease Research Center - Patients known to have hypersensitivity pneumonitis
 P17HL-15389-03 0002 Wisconsin Pulmonary Disease Research Center - Patients suspected to have hypersensitivity pneumonitis
 P17HL-15389-03 0003 Wisconsin Pulmonary Disease Research Center - Epidemiology of hypersensitivity pneumonitis (human, bacteria)
 R01OH-00368-03 Occupational exposure to organophosphorus compounds (human)
 R01OH-00424-01 Agriculture tractor operator protection
 R01OH-00525-01 Association of leukemia with agriculture occupation
 M01RR-00069-12 0096 General clinical research center, children - Treatment of pesticide poisoning
- OCCUPATIONS, CAREER**
 R18AA-00074-02 Community alcoholism services poverty program-New York
 N01AH-24001-04 Indiana MEDHHC project
 R01AH-24004-03 Expand MEDHHC program in Alabama
 R01AH-24011-04 Expand MEDHHC program in North Carolina
 R01AH-24016-03 Expand MEDHHC program in Utah
 R01AH-24026-03 Expand MEDHHC program in Ohio
 R01AH-24028-04 Expand MEDHHC program in Minnesota
 R01AH-24040-05 Expand MEDHHC program in Oregon
 R01AH-24042-03 Expand MEDHHC program in Missouri
 R01AH-24048-04 Expand MEDHHC program in Pennsylvania
 R01AH-24058-03 Expand MEDHHC program in Louisiana
 R01AH-24060-03 Guidance and counseling services for careers in allied health
 R01AH-24064-02 Expand MEDHHC program in Arkansas
 R01AH-44078-00 Expansion of MEDHHC in Hawaii
 R01DA-00137-03 Drug use related to college and career achievement
 R25DA-00652-02 Careers in change
- ** N01DA-40158-00 Credentialing of drug abuse treatment and rehabilitation workers
 N01DA-40183-00 Training and manpower development for drug treatment programs
 N01DA-40185-00 Training and manpower development for drug treatment programs
 N01DA-40186-00 Training and manpower development for drug treatment programs
 N01DA-40187-00 Training and manpower development for drug treatment programs
 R01HD-07024-02 Prediction of family-planning intentions and behavior
 R01HD-07334-01 Fertility, productivity and labor force participation (women in academia)
 R01HD-07412-02 Fertility motivation and career conflict in women
 R01HD-07957-01 Fertility and achievement of women college graduates
 R01HD-22701-03 The employed woman-family planning career
 R01HD-22703-05 Psychological studies of social norms influencing family size
 N01HD-22754-03 Study of family, career and sexuality
 P18HL-15997-02 0006 A comprehensive hospital-community sickle cell center - School laboratory program
 R27MB-00014-02 Supply and demand factors-affected health educators
 N01MB-34038-07 Rural health care system for New Mexico
 N01MB-44166-00 Career development of health administration
 N01MB-44167-00 Physician's associates careers
 N01MB-44171-00 Physician's assistant utilization
 N01MB-44184-00 Optimal demand and supply of physician's assistants
 R01MH-06275-12 Social and psychological factors in status attainment (human)
 R01MH-18664-04 Epidemiology of achievement and psychiatric status
 R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
 R01MH-22883-02 Role of autotelic experiences in adult development
 R01MH-23125-02 Supportive resources for black adolescent aspiration
 R03MH-24725-01 A model relating attitudes and behavior
 R03MH-26180-01 Father's work, family relations, and career choice
 N01MH-30024-00 Equal employment opportunity training program for management
 R02NU-00494-01 Post baccalaureate nursing careers, a follow-up study
 R01NU-04117-05 Analysis of the career pattern study of the impact of the nurse training act
 R01NU-24318-05 Nurse recruitment program
 R01NU-34064-02 Longitudinal study to evaluate nurses in extended roles
 ** N01OD-40044-02 0060 - STUDY OF MANPOWER DATA IN BIOMEDICAL SCIENCES
- OCCUPATIONS, EMPLOYEES**
 R18AA-00116-03 Hawaii occupational alcoholism program services
 R18AA-00146-03 State occupational program services
 R18AA-00147-03 Vermont state occupational alcoholism program
 R18AA-00151-03 Ohio occupational alcoholism program service
 R18AA-00152-03 Texas occupational alcoholism services program
 R18AA-00417-01 Employee assistance program
 R18AA-00819-01 Detroit Civil Service demonstration project
 R18AA-00970-01 Industrial 'troubled employee' recovery program
 R18AA-01604-01 Early identification and referral model
 R18AA-01692-01 ALMACA occupational alcoholism program assessment
 R18AA-01746-01 Texas expanded occupational programs
 R18AA-01752-01 Expansion of state occupational alcoholism services
 R18AA-01755-01 NYC corporate headquarters project
 R18AA-01756-01 Alcoholism program services
 R18AA-01766-01 Occupational alcoholism research and training service
 R18AA-01767-01 Kentucky occupational alcoholism programs
 R01MH-19222-02 Process and impacts of a state hospital closing
 R01MH-23676-02 Employee participation in ownership and management (Peru)
- OCCUPATIONS, EMPLOYMENT**
 R18AA-00148-03 Arizona employee alcoholism project
 R18AA-00150-03 Special occupational alcoholism programs
 R18AA-00158-03 Occupational alcoholism program services
 R18AA-00160-03 Secondary prevention of alcoholism programs
 R18AA-00512-01 Native American therapy center (alcoholism)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R18AA-00555-03 Laguna alcoholism program
 R18AA-00557-03 Indian program
 R18AA-00558-03 North central inter-tribal community health project
 R18AA-01639-01 Comprehensive alcoholism services grant
 R18AA-01642-01 Social Development center
 ** NO1AH-24029-04 Employment and further health training of veterans
 NO1AH-44005-00 To expand the MEDHNC program in Illinois
 NO1AH-44010-00 Expand the MEDHNC program in Georgia
 ** NO1AH-44018-00 Expand the MEDHNC program in Rhode Island
 ** NO1AH-44019-00 Expand the MEDHNC program in New Jersey
 ** NO1AH-44020-00 Expand the MEDHNC program in Vermont
 ** NO1AH-44021-00 Expand the MEDHNC program in state of Mississippi
 ** NO1AH-44022-00 Expand the MEDHNC program in New Hampshire
 ** NO1AH-44023-00 Expanded MEDHNC program in Wisconsin
 ** NO1AH-44024-00 Expand the MEDHNC program in Delaware
 ** NO1AH-44025-00 Expand the MEDHNC program in Virginia
 NO1AH-44028-00 To expand MEDHNC program in Connecticut
 ** NO1AH-44030-00 Expand the MEDHNC program in New York
 NO1AH-44032-00 Expand the MEDHNC program in the state of New Mexico
 ** NO1AH-44036-00 Expand the MEDHNC program in Arizona
 ** NO1AH-44037-00 Expand the MEDHNC program in Florida
 ** NO1AH-44038-00 Expand MEDHNC program in Nebraska
 ** NO1AH-44040-00 Expand the MEDHNC program in the state of West Virginia
 ** NO1AH-44041-00 Expand MEDHNC program in Iowa
 ** NO1AH-44042-00 Expand MEDHNC program in Kansas
 ** NO1AH-44077-00 Expand MEDHNC program in Maine
 ** NO1AH-44081-00 Expand MEDHNC program in Maryland
 ** NO1AH-44082-00 Expand MEDHNC program in Nevada
 R25DA-00839-01 Open door preventive drug education program
 NO1DA-20002-01 Provide rehabilitation services to narcotic addicts
 NO1DA-20021-01 Service to narcotic addicts
 NO1DA-20044-01 Treatment of narcotic addicts
 NO1DA-20062-01 Provide rehabilitation services to narcotic addicts
 NO1DA-90038-06 Services to narcotic addicts
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
 R01HD-05985-01 Cycles in fertility, mortality and economic conditions (US, Sweden, Britain)
 ** R01HD-06130-01 Fertility and labor force in the US
 ** R01HD-06438-02 Female occupational structure-determinants and trends
 R01HD-06966-02 Systems study of population and economic change (US, Japan)
 ** R01HD-07093-02 Effect of labor market on birth and marriage rates
 R01HD-07323-01 Motivation, roles and family planning of women
 R01HD-07334-01 Fertility, productivity and labor force participation (women in academia)
 R01HD-07396-02 Household formation, fertility, and market activity
 R01HD-07552-02 Economic study of fertility decline in postwar Japan
 R01HD-07565-01 Dynamic 'World system' models
 R01HD-07645-01 Economic policy in relation to population growth
 R01HD-07682-02 Differential fertility in the United States, 1960-1070
 ** R01HD-07993-01 Fertility and labor force patterns in U S women
 R01HD-08112-01 Socioeconomic determinants of US post-war natality
 ** R01HD-08454-01 Metropolitan home-work place patterns
 R01HD-08567-01 Migration, regional growth and public policy (Mexico)
 R01HD-08586-01 Population dynamics in preindustrial England
 NO1HD-12038-04 Attitudinal factors affecting family size
 ** NO1HD-12212-02 Women labor force participation and fertility
 NO1HD-22033-02 Correlates of family size and child spacing in the United States and Puerto Rico
 NO1HD-22701-03 The employed woman-family planning career
 NO1HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
 ** NO1HD-42807-00 Population growth and employment growth in metropolitan areas
 NO1HD-42856-00 Fertility change after baby boom
 P18HL-15997-02 0001 A comprehensive hospital-community sickle cell center - Education
 R01HS-01332-02 Stability of physician staff in large organization
 R18HS-01501-01 Comprehensive health prison health project

R27MB-00014-02 Supply and demand factors-attitud health educators
 R01MH-23011-01 Development of metropolitan growth theory
 R01MH-23468-01 Women's liberation--Is the definition class-bound?
 R01MH-23615-02 Earned family income and urban crisis
 R01MH-25266-01 Personal well-being and environmental factors
 ** R01MH-25547-01 Committee on work and personality in the middle years
 R01MH-25935-01 Social competence and behavior style in mental patients
 ** R01MH-26105-01 Irregular economy-Urban adaptation to unemployment
 ** NO1MH-30024-00 Equal employment opportunity training program for management
 ** NO1MH-30202-00 Survey on occupational conditions

OCCUPATIONS, INDUSTRY

** R18AA-00110-03 A comprehensive occupational alcoholism program plan
 ** R18AA-00112-03 Arkansas occupational alcoholism program services
 ** R18AA-00113-03 Project for mobilizing labor support for alcoholism
 ** R18AA-00114-03 State occupational alcoholism program service
 ** R18AA-00115-03 State occupational alcoholism program services
 ** R18AA-00117-03 State occupational alcoholism service
 ** R18AA-00118-03 Montana state occupational alcoholism program
 ** R18AA-00120-03 North Carolina occupational alcoholism program
 ** R18AA-00121-03 State occupational alcoholism program service
 ** R18AA-00122-03 Minnesota occupational alcoholism program service
 R18AA-00124-03 State occupational alcoholism programs (Connecticut)
 ** R18AA-00125-03 State occupational alcoholism program service
 ** R18AA-00126-03 State occupational alcoholism program services
 ** R18AA-00127-03 State occupational alcoholism program service
 ** R18AA-00128-03 Occupational alcoholism program service
 ** R18AA-00130-03 South Carolina occupational alcoholism program
 ** R18AA-00131-03 Nebraska occupational alcoholism program services
 ** R18AA-00132-03 Operation helping hand (alcoholism)
 ** R18AA-00134-03 Indiana department of mental health division of alcoholism
 ** R18AA-00135-03 State occupational alcoholism program services
 ** R18AA-00136-03 State occupational alcoholism program service
 ** R18AA-00137-03 California occupational alcoholism program
 R18AA-00138-03 Comprehensive industrial alcoholism program
 ** R18AA-00139-03 Wisconsin State occupational alcoholism program
 ** R18AA-00140-03 Pennsylvania State occupational alcoholism program
 R18AA-00141-03 Massachusetts State occupational alcoholism program
 ** R18AA-00142-03 North Dakota State occupational alcoholism program
 ** R18AA-00143-03 Illinois occupational alcoholism program
 ** R18AA-00144-02 Industrial alcoholism staff development (Alaska)
 ** R18AA-00145-03 State occupational alcoholism program service
 ** R18AA-00148-03 Arizona employee alcoholism project
 ** R18AA-00149-03 Missouri State occupational alcoholism program
 R18AA-00150-03 Special occupational alcoholism programs
 R18AA-00153-03 State occupational alcoholism program
 R18AA-00154-03 Oklahoma state occupational alcoholism services
 ** R18AA-00157-03 State occupational alcoholism program services
 ** R18AA-00412-03 Troubled employee health evaluation plan
 R18AA-00435-03 Demonstration prevention, outreach and training program (alcoholism)
 R18AA-01604-01 Early identification and referral model
 ** R18AA-01732-01 Enhancement of occupational alcoholism project
 ** R18AA-01752-01 Expansion of state occupational alcoholism services
 R18AA-01755-01 NYC corporate headquarters project
 ** R18AA-01756-01 Alcoholism program services
 R18AA-01767-01 Kentucky occupational alcoholism programs
 R01AA-01853-01 Differential treatment of alcoholic subgroups

R26CA-15950-01 Case-control bladder tumor morbidity study (human)
 ** R01DA-00800-01 The worlds of work and drugs
 ** P01DA-01080-01 Psychosocial investigation of drug abuse in industry
 P10ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
 P10ES-00002-12 0003 Occupational and environmental health - Workers exposed to toluene diisocyanate
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
 R01HD-07552-02 Economic study of fertility decline in postwar Japan
 R01HD-08515-01 Population effects on local expenditures
 M P17HL-15092-03 Occupational environmental pulmonary disease center
 P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
 P17HL-15092-03 0002 Occupational environmental pulmonary disease center - Accelerated silicosis in sandblasters
 P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
 ** P17HL-15092-03 0004 Occupational environmental pulmonary disease center - Pulmonary function industrial population unexposed to injurious inhalants
 P17HL-15092-03 0005 Occupational environmental pulmonary disease center - Respiratory and immunologic evaluation of isocyanate exposure
 P17HL-15389-03 0002 Wisconsin Pulmonary Disease Research Center - Patients suspected to have hypersensitivity pneumonitis
 ** P17HL-15389-03 0003 Wisconsin Pulmonary Disease Research Center - Epidemiology of hypersensitivity pneumonitis (human, bacteria)
 P17HL-15389-03 0004 Wisconsin Pulmonary Disease Research Center - Delayed hypersensitivity to inhaled haptens (human)
 P17HL-15389-03 0006 Wisconsin Pulmonary Disease Research Center - Other environmental pulmonary diseases (human, mammals)
 ** NO1MH-20122-00 Study violence in American factories
 ** R01MH-23676-02 Employee participation in ownership and management (Peru)
 ** R03MH-25737-01 Social conflict in industrial societies
 ** R01MH-25860-01 Social predictors of American mobility 1875-1915
 ** R01OH-00456-01 Better foundry hygiene through permanent mold casting

OCCUPATIONS, INDUSTRY, COAL MINING

SEE ALSO CARBON, COAL
 P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
 P10ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
 R01OH-00355-03 Interaction of coal dust with essential metals (rats)
 R01OH-00356-03 Cellular response to coal mine dust in vitro (human)

OCCUPATIONS, JOB PERFORMANCE

SEE ALSO HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
 R18AA-00116-03 Hawaii occupational alcoholism program services
 R18AA-00122-03 Minnesota occupational alcoholism program service
 R18AA-00137-03 California occupational alcoholism program
 R18AA-00140-03 Pennsylvania State occupational alcoholism program
 R18AA-00146-03 State occupational program services
 R18AA-00147-03 Vermont state occupational alcoholism program
 R18AA-00152-03 Texas occupational alcoholism services program
 R18AA-00153-03 State occupational alcoholism program
 R18AA-00154-03 Oklahoma state occupational alcoholism services
 R18AA-00159-03 State occupational alcoholism service
 R18AA-00160-03 Secondary prevention of alcoholism programs
 R18AA-00414-03 Maryland state employees alcoholism program
 R18AA-00417-01 Employee assistance program
 R01AA-00492-03 Supervisor reactions to alcohol problems and policies
 R01AA-00494-03 Supervisory reactions to alcohol problems and policies
 R18AA-00543-03 Cheyenne-Arapaho alcoholic rehabilitation center
 ** R18AA-00737-01 North Haven community employee program
 ** R18AA-00786-01 Employee alcoholic program

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R18AA-00799-01 Manpower maintenance
- R18AA-00970-01 Industrial 'troubled employee' recovery program
- ** R18AA-01755-01 NYC corporate headquarters project
- ** R18AA-01756-01 Alcoholism program services
- ** R18AA-01767-01 Kentucky occupational alcoholism programs
- NOIAH-34096-02 Roles and functions of medical record personnel
- ** NOIAH-44110-00 Evaluate competency of a physician-assistant
- ** NOIAH-44116-00 Job performance and educational opportunities of occupational therapists
- ** PO1GM-10402-12 0021 Zoophysiology in Alaska - Extended work periods in arctic cold (human)
- ** PO1HD-03352-07 0035 Wisconsin center on mental retardation - Rehabilitation related to work adjustment and social skills
- R01HD-05902-04 Aging in monkeys
- R01HD-06830-03 Effect of therapeutic abortion on unmarried women
- ** R01HD-07334-01 Fertility, productivity and labor force participation (women in academia)
- ** R01HL-11884-05 Work function after myocardial infarction (human)
- ** PO1MH-08667-10 0019 A longitudinal epidemiology of impaired competence - Application of biostatistical methodology to personnel classification - turnover
- R01MH-22644-02 Volunteer phone counselors-A study of altruists
- R03MH-24466-01 Legitimation, incongruity, and influence hierarchies (human)
- ** R01MH-25292-01 Municipal employee unions-Impact on service delivery
- R02NU-00497-01 Nurses' inferences of suffering
- R01OH-00362-09 Death rates among Italian railroad employees
- R01OH-00497-01 Temperature-time effects on sedentary job performance
- MO1RR-00349-08 0060 General clinical research center - Evaluation of stress during learning of surgical skills (human)

OCCUPATIONS, JOB SATISFACTION

- PO1HD-05876-03 0033 Center for population research - Problems and policy including legislation
- R01HS-01332-02 Stability of physician staff in large organization
- R01MH-21854-02 Social antecedents of acts of interpersonal violence
- ** R01MH-23676-02 Employee participation in ownership and management (Peru)
- ** R01MH-23900-02 Stress, ownership and pathology in urban dirty work
- ** R01MH-24887-01 Attitudes of married women towards work and families
- R03MH-25779-01 Change in a correctional facility for delinquents
- R02NU-00408-03 Improving quality care through performance ratings
- ** R01OH-00423-01 Working conditions, job satisfaction, and CHD risk

OCCUPATIONS, LABOR UNIONS

- R18AA-00111-03 Kentucky occupational alcoholism services
- ** R18AA-00113-03 Project for mobilizing labor support for alcoholism
- R18AA-00115-03 State occupational alcoholism program services
- ** R18AA-00117-03 State occupational alcoholism service
- ** R18AA-00122-03 Minnesota occupational alcoholism program service
- R18AA-00126-03 State occupational alcoholism program services
- ** R18AA-00133-03 Colorado occupational services project
- R18AA-00154-03 Oklahoma state occupational alcoholism services
- R18AA-00157-03 State occupational alcoholism program services
- R18AA-00367-02 Occupational alcoholism services
- R18AA-00414-03 Maryland state employees alcoholism program
- ** R18AA-01732-01 Enhancement of occupational alcoholism project
- R01DA-00800-01 The worlds of work and drugs
- PO1DA-01080-01 Psychosocial investigation of drug abuse in industry

OCCUPATIONS, LEISURE

- PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- PO1HD-03617-06 Intergenerational studies of development and aging (human)

OCCUPATIONS, RECREATION

- R18AA-00074-02 Community alcoholism services poverty program-New York
- R18AA-00087-02 Community alcoholism services poverty program
- R18AA-00097-02 Community alcoholism services poverty program-Missouri

- R18AA-00425-02 Plainfield Public Welfare Department
- R18AA-00525-03 Sacramento Indian center alcoholism awareness project
- R18AA-00544-03 American Indian Services, Inc.
- R18AA-00553-03 Cheyenne River alcohol and drug abuse program
- R18AA-00578-03 Mescalero alcoholism project (New Mexico)
- R18AA-00798-02 Ft Yuma Council on Alcoholism and Drug Abuse
- R18AA-00826-02 Community alcoholism services poverty program
- R18AA-00877-01 Teller alcoholism service (Alaska)
- R18AA-00915-01 Kwethluk Village opposing alcohol use (Alaska)
- R18AA-00951-01 Alekchet alcoholism project (Alaska)
- R18AA-01081-01 Northway Village alcoholism center
- R18AA-01086-01 Little Diomed Island Coop and Project (Alaska)
- R18AA-01091-01 Day care center and/or community center (Alaska)
- R18AA-01099-01 Klawock alcohol abuse program (Alaska)
- R18AA-01102-01 Port Heiden Village alcoholism service center (Alaska)
- R18AA-01103-01 Holy Cross City alcoholism service (Alaska)
- R18AA-01104-01 False pass alcoholism service (Alaska)
- R18AA-01105-01 Village alcoholism service (Alaska)
- R18AA-01116-01 Crooked Creek Village alcoholism service (Alaska)
- R18AA-01120-01 Alatna community alcoholism project (Alaska)
- R18AA-01123-01 Takotna Community Center (Alaska)
- R18AA-01124-01 Saxman Village alcoholism service (Alaska)
- R18AA-01128-01 Emmonak alcoholism prevention service (Alaska)
- R18AA-01134-01 Kotlik city alcoholism service
- R18AA-01171-01 Hyadaburg Village alcoholism service
- ** R18AA-01173-01 Chuathbaluk alcoholism service (Alaska)
- ** R18AA-01174-01 Kasaah village alcoholism service (Alaska)
- R18AA-01250-01 Metlakatla Indian community
- R18AA-01258-01 St Michael recreational project
- R18AA-01261-01 Koyuk Community Building
- R18AA-01276-01 Alakanuk Village alcoholism program
- R18AA-01284-01 Kipnuk council on alcoholism
- R18AA-01285-01 Chevak council on alcoholism
- R18AA-01286-01 Wrangell ANB council on alcoholism
- R18AA-01287-01 Pilot Station council on alcoholism
- R18AA-01288-01 Ozunkie deterrent program
- R18AA-01289-01 Grayling council on alcoholism
- R18AA-01290-01 Nikolai Village alcoholism program
- R18AA-01291-01 Kingikme arts and crafts project
- R18AA-01292-01 Hughes alcoholism program
- R18AA-01293-01 Wildwood council on alcoholism
- R18AA-01294-01 Deering council on alcoholism
- R18AA-01295-01 Kobuk council on alcoholism
- R18AA-01296-01 Barrow council on alcoholism
- R18AA-01297-01 Shageluk recreational center
- R18AA-01296-01 Chalkytsik Village ALCH program
- R18AA-01299-01 Brevig Mission recreation hall
- R18AA-01300-01 Cantwell council on alcoholism
- R18AA-01301-01 Noorvik council on alcoholism (Alaska)
- R18AA-01305-01 Buckland council on alcoholism (Alaska)
- R18AA-01307-01 Kivalina council on alcoholism (Alaska)
- R18AA-01309-01 EEK council on alcoholism (Alaska)
- R18AA-01310-01 Manley Hot Springs council on alcoholism (Alaska)
- R18AA-01311-01 Koyukuk alcoholism-Recreational program (Alaska)
- R18AA-01315-01 Nulato city council (Alaska)
- R18AA-01316-01 McGrath teen center (Alaska)
- R18AA-01317-01 Selawik council on alcoholism (Alaska)
- R18AA-01318-01 Beaver council on alcoholism (Alaska)
- R18AA-01319-01 Birch Creek recreation center (Alaska)
- R18AA-01320-01 Tuntutuliak Council on Alcoholism (Alaska)
- R18AA-01322-01 Ambler Council on Alcoholism (Alaska)
- R18AA-01324-01 Kaltag recreation program (Alaska)
- ** R18AA-01325-01 TOK recreation program
- R18AA-01326-01 Village alcoholism service (Alaska)
- R18AA-01328-01 Haines alcoholism service (Alaska)
- R18AA-01333-01 Nightmute council on alcoholism (Alaska)
- R18AA-01335-01 Azachorok council on alcoholism (Alaska)
- R18AA-01337-01 King Cove council on alcoholism (Alaska)
- R18AA-01338-01 Huslia native council (Alaska)
- ** R18AA-01339-01 Fairbanks native association council on alcoholism
- R18AA-01341-01 Aniak alcoholism alternatives (Alaska)
- R18AA-01348-01 Old Harbor council on alcoholism (Alaska)
- R18AA-01355-01 Village corporation program (Alaska)
- ** R18AA-01356-01 Unalaska council on alcoholism
- R18AA-01358-01 Shishmaref council on alcoholism (Alaska)
- R18AA-01359-01 Sunarit alcoholism program (Alaska)
- R18AA-01361-01 Unalikeet community development association (Alaska)
- R18AA-01363-01 Tetlin alcoholism program (Alaska)
- R18AA-01365-01 St Mary's Village alcoholism program

- R18AA-01369-01 Community center for alcoholism (Alaska)
- ** R18AA-01374-01 Tenanuk council on alcoholism (Alaska)
- ** R18AA-01375-01 St George recreational program (Alaska)
- ** R18AA-01376-01 Lower Koltsag Alaska Council on alcoholism
- ** R18AA-01377-01 Pilot Point community workshop (Alaska)
- ** R18AA-01378-01 Quinhagak Village alcoholism program (Alaska)
- ** R18AA-01379-01 Newhalen abuse center (Alaska)
- ** R18AA-01380-01 Sand Point recreation program (Alaska)
- ** R18AA-01381-01 Savoonga alcoholism program (Alaska)
- ** R18AA-01382-01 Nelson lagoon recreational program (Alaska)
- R25DA-00827-01 Pilot demonstration drug training program
- NO1DA-30153-00 Provide rehabilitation services to narcotic addicts
- PO1HD-06160-03 Population Research Center (human)
- ** R01MH-15708-05 Leisure and mental health-Cultural and age factors
- R01MH-18051-04 Aging and the use of community resources (human)
- R01MH-18646-03 Developmental approach to community change
- ** R01MH-19706-03 Behavioral programs in learning activities for youth (human)
- R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
- ** R01MH-20743-03 The child's creative learning space
- ** R03MH-21481-01 Development of youth-directed multi-service center
- ** R01MH-22358-02 Bridge program-Year-round psycho-educational program
- ** R01MH-22883-02 Role of autotactic experiences in adult development
- R01MH-23609-01 Parents as resource television project
- R01MH-23645-02 0004 Behavior-hormone changes in adolescence - Attachment patterns (chimpanzee)
- R01MH-23664-02 Teenage youth in new town setting
- R01MH-24229-01 Berkeley youth alternatives juvenile services program
- R01MH-24477-01 Activity schedules in treatment of depression
- R01MH-25266-01 Personal well-being and environmental factors
- ** R03MH-26160-01 Psychological effects of camp on handicapped children
- ** NO1MH-40012-00 A residential exchange study and plan

OCCUPATIONS, RETIREMENT

- SEE ALSO EDUCATION, RETIREMENT AND PRERETIREMENT
- SEE ALSO HEALTH INSURANCE FOR THE AGED, TITLE 18
- PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- PO1HD-06160-03 Population Research Center (human)
- PO1MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men

OCCUPATIONS, VOCATIONAL GUIDANCE

- R18AA-00425-02 Plainfield Public Welfare Department
- ** R18AA-00457-03 Community reinforcement for treating alcoholics
- R18AA-01133-02 Alcoholic information and referral services
- NO1AH-44005-00 To expand the MEDHNC program in Illinois
- NO1AH-44028-00 To expand MEDHNC program in Connecticut
- ** NO1AH-44111-00 Allied health counselor training program
- R01HD-04634-04 Cognitive functions of retarded early adolescents
- ** PO1HD-05951-03 0003 Cognition in the retarded child - Vocational skill training
- P18HL-15996-02 0004 Cincinnati sickle cell anemia center - School adjustment of thirty sickle cell patients
- P18HL-16008-02 0011 Wayne State University comprehensive sickle cell center - Education, screening, and counseling
- NO1MB-44085-00 Distribution of the film 'What can you do'
- ** NO1MB-44209-00 Indian health career counselor's program
- ** NO1MB-44210-00 Indian health career program
- ** NO1MB-44211-00 Indian health career counselor's program
- R01MH-20030-04 Achievement place-Phase III (human)
- R01MH-21853-03 Rehabilitation program for delinquent Indian youth
- R01MH-22215-02 Evaluation of comprehensive program for adolescents
- ** R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
- ** R01MH-23125-02 Supportive resources for black adolescent aspiration
- R01MH-26207-01 Behavioral analysis & modification in a community mental health center
- PO1NS-04053-12 0015 Epilepsy - Seizure clinic-Social service

OCCUPATIONS, VOLUNTEERS

- R01AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)

(contd)

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 **Oriented significantly to above subject.
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See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AA-00287-04 Effects of alcohol on subcellular organelles of liver (rats, rabbits)
 R01AA-00316-01 Effects of alcohol on skeletal and cardiac muscle (human, primates)
 R01AA-00397-01 Brain response in alcoholics during drinking cycles
 R18AA-00510-03 Chemawa alcoholism education program
 R01AA-00683-01 Effect of food on blood levels of ethyl alcohol
 R18AA-00826-02 Community alcoholism services poverty program
 R18AA-00883-02 Community alcoholism service poverty program
 R18AA-00958-01 Community education and early intervention
 R18AA-01156-01 Economic opportunity agency of Pulaski Co alcoholism program
 R18AA-01663-01 Newport regional comprehensive alcoholism program
 N01AI-02101-04 Study of cholera toxoids in human volunteers
 N01AI-42553-00 Facility for study of infectious agents in adult volunteers
 P02AM-13083-06 0105 Organ transplantation - Sociopsychological study
 R01AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
 R01AM-17607-01 Fat soluble vitamins absorption emphasizing vitamin K (rats, human)
 R01DA-00113-03 Contingency contracting for treatment for drug abuse
 R25DA-00172-03 Peer-oriented drug abuse educational network
 N01DA-10089-03 Determine effects of natural and synthetic marijuana in humans
 P01ES-01059-01 0002 Metallic mercury vapor as an environmental hazard - Pharmacokinetics of inhaled mercury vapor (human, animals)
 P01GM-19513-03 0007 Human genetics - Control of hemoglobin synthesis in A/S heterozygotes
 R01GM-20621-02 Hypno-and acupuncture analgesia-Physiological study (human)
 ** P01HS-00013-08 Explorations in health services
 R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
 ** R01MH-21929-02 Volunteerism in the lives of women
 R01MH-22336-02 College students in mental health service projects
 ** R01MH-22644-02 Volunteer phone counselors-A study of altruists
 R01MH-22856-03 Preparing children for hospitalization
 ** N01MH-40005-00 Volunteer services
 P07RR-00267-09 0107 Biomedical data processing unit - Stereochemistry of microsomal drug metabolism
 N01RR-00349-08 0035 General clinical research center - Stability of human corticotropin

OCHRATOXINS

SEE TOXICOLOGY, MYCOTOXINS, OCHRATOXINS

OCHRONOSIS

SEE PIGMENTATION DISORDERS, OCHRONOSIS

OCT DEFICIENCY

SEE METABOLIC DISORDERS INBORN, UREA CYCLE, HYPERAMMONEMIA II

OCTANOIC ACID

SEE FATTY ACIDS, CAPRYLIC ACID

OCTOPAMINE

SEE PHENOLIC AMINES, OCTOPAMINE

OCULAR HYPOTENSIVE AGENTS

SEE EYEDROPS AND MEDICATIONS, OCULAR HYPOTENSIVE AGENTS

OCULAR PHARMACOLOGY

SEE EYE PHARMACOLOGY

OCULAR TENSION

SEE EYE, INTRAOCULAR PRESSURE

OCULOMOTOR NERVE

SEE NERVOUS SYSTEM, CRANIAL NERVES, OCULOMOTOR NERVE

OCULOMOTOR NUCLEI

SEE BRAIN, MESENCEPHALON, OCULOMOTOR NUCLEI

OCULOMOTOR PARALYSIS

SEE EYE MOVEMENT AND COORDINATION DISORDERS, EYE MOVEMENT DISORDERS

ODD'S SPHINCTER

SEE BILARY TRACT, BILE DUCTS

ODONTOBLASTS

SEE DENTAL STRUCTURE, ODONTOBLASTS

ODONTOGENIC CYSTS

SEE DENTAL CYST

ODORATISM

SEE TOXICOLOGY, PLANT POISONING, LATHYRISM

ODOR (AS OLFACTORY STIMULI)

SEE SENSORY-PERCEPTUAL PROCESSES, OLFACTORY STIMULI

OILS (LIPIDS)

SEE LIPIDS, OILS

OILS PETROLEUM (HYDROCARBONS)

SEE PETROLEUM OILS

OINTMENTS

SEE DOSAGE FORMS

OLD AGE HEALTH SERVICES

SEE HEALTH CARE SERVICES FOR THE ELDERLY

OLD AGE HOMES

SEE HEALTH CARE FACILITIES, RESIDENTIAL, HOMES FOR THE AGED

OLD AGE HOUSING

SEE SOCIOENVIRONMENT, RESIDENCE CHARACTERISTICS, HOUSING FOR THE ELDERLY

OLD AGE MENTAL HEALTH (SERVICES)

SEE MENTAL HEALTH (SERVICES) GERIATRIC

OLEANDOMYCIN

SEE ANTIBIOTICS, OLEANDOMYCIN

OLEFINS

SEE ALKENES

SEE CYCLOLEFINS -SEE APPROPRIATE CARBOPOLYCYCLICS AND

OLEIC ACID

SEE FATTY ACIDS, OLEIC ACID

N-OLEOYLSPHINGOSINE

SEE SPHINGOLIPIDS, CERAMIDE

OLFACTION

SEE SENSORY-PERCEPTUAL PROCESSES, OLFACTION

OLFACTORY AREA

SEE BRAIN, LIMBIC SYSTEM, OLFACTORY AREA

OLFACTORY BULB

SEE BRAIN, LIMBIC SYSTEM, OLFACTORY LOBE (GENERAL)

OLFACTORY DISORDERS

SEE SENSORY-PERCEPTUAL DISORDERS, OLFACTORY

OLFACTORY GYRUS (GENERAL)

SEE BRAIN, LIMBIC SYSTEM, OLFACTORY LOBE (GENERAL)

OLFACTORY LOBE (GENERAL)

SEE BRAIN, LIMBIC SYSTEM, OLFACTORY LOBE (GENERAL)

OLFACTORY LOBE (OLFACTORY AREA COMPONENT)

SEE BRAIN, LIMBIC SYSTEM, OLFACTORY AREA

OLFACTORY NERVE

SEE NERVOUS SYSTEM, CRANIAL NERVES, OLFACTORY NERVE

OLFACTORY PATHWAYSSEE BRAIN, CEREBRUM, HIPPOCAMPAL FORMATION
SEE BRAIN, LIMBIC SYSTEM**OLFACTORY STIMULI**

SEE SENSORY-PERCEPTUAL PROCESSES, OLFACTORY STIMULI

OLFACTORY THRESHOLD

SEE SENSORY-PERCEPTUAL PROCESSES, OLFACTORY THRESHOLD

OLFACTORY TRACT AND TRIGONE

SEE BRAIN, LIMBIC SYSTEM, OLFACTORY LOBE (GENERAL)

OLIGODENDROGLIA

SEE NERVOUS SYSTEM, NEUROGLIA, OLIGODENDROGLIA

OLIGOMYCIN

SEE ANTIBIOTICS, OLIGOMYCIN

OLIGONUCLEOTIDES

SEE NUCLEOTIDES, OLIGONUCLEOTIDES

OLIGOPEPTIDASES

SEE PROTEASES AND PEPTIDASES, OLIGOPEPTIDASES

OLIGOPEPTIDES

SEE PEPTIDES, OLIGOPEPTIDES

OLIGOSACCHARIDE INTOLERANCE

SEE METABOLIC DISORDERS INBORN, DISACCHARIDE (OLIGOSACCHARIDE) INTOLERANCE

OLIGOSACCHARIDESSEE ALSO CARBOHYDRATES, SUGAR SEQUENCE
SEE ALSO DISACCHARIDES
SEE ALSO METABOLIC DISORDERS INBORN, DISACCHARIDE (OLIGOSACCHARIDE) INTOLERANCE

- ** R01AI-11014-02 Structure and conformation of oligosaccharides (human, horses)
 R01AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
 ** R01AM-10588-09 Synthesis of compound saccharides

- R01AM-10696-08 Brush border phase of digestive-adsorptive function (human, animals)
 R01AM-14553-04 The role of thyroglobulin in thyroxine biosynthesis
 R01AM-15475-03 Biochemistry of gastric sulfated glycoproteins (human, rats, dogs, swine)
 R01AM-16363-01 Liver plasma binding of serum glycoproteins
 R01CA-08759-08 Structure and biologic function of glycoproteins (human)
 R01CA-14037-01 Membrane structure related to oncogenesis and cell division (cell lines)
 ** R01CA-43989-01 Surface glycoproteins of normal and transformed cells (chick embryo, viruses)
 ** R01CA-16054-01 NMR studies of saccharide binding to concanavalin A
 ** R01CA-16311-01 Membrane fucosylglycolipids in virus-induced cancer (mice)
 N01CB-43989-00 Identification and purification of endoglycosidases
 R01DE-03108-04 Polysaccharides from oral streptococci
 R01DE-03118-04 Polysaccharides produced by cariogenic microorganisms
 R01GM-06168-16 Stereospecific synthesis of polysaccharides
 ** R01GM-08822-13 Mechanism of amylase action (bacteria, swine, protozoa)
 ** R01GM-11293-11 Crystal structural studies in carbohydrate chemistry
 R01GM-11764-09 Studies on pancreatic proteins (pigs, human)
 R01GM-14452-08 Chemistry and kinetics of lysozyme action (Drosophila, chickens, human)
 R01GM-15053-08 Protein structure and function (E coli, yeast, rabbits, salmon)
 P01GM-18153-04 0013 Gene control of mammalian cell differentiation - Chromosomes of formation of soluble blood group substances (human, horses)
 ** R01GM-19101-02 Oligosaccharide synthesis and glycosyl rearrangements
 R01GM-19143-03 Mechanism of action of lysozyme (chickens, bacteria, human)
 P01HD-05342-04 0018 Mental retardation and brain development - Lipid and mucopolysaccharide storage diseases, animal model (rat)
 R01HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
 R01HL-15687-05 Chemical studies on cell membranes and components (cattle)
 ** R01NS-06370-08 Chemistry of glycolipids (frogs, human, rats)
 ** P07RR-00636-02 0010 Special resource for NMR studies in biomolecules - Conformational analysis of oligosaccharide hapten-antibody interactions

OLIGURIA

SEE URINE, OLIGURIA

OLIVARY BODY

SEE BRAIN, PONS, OLIVARY BODY

OLIVO-COCHLEAR BUNDLE

SEE BRAIN, PONS, OLIVO-COCHLEAR BUNDLE

ON-LINE COMPUTERS

SEE COMPUTER, ON-LINE COMPUTERS*

ONCHOCERCIASIS

SEE PARASITIC DISEASES, HELMINTH INFECTIONS, ONCHOCERCIASIS

ONCOGENIC VIRUSES AND ONCOGENIC VIRUS-LIKE PARTICLES

SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

ONCOLOGY NURSING

SEE HEALTH SCIENCES PROFESSIONS, NURSING ONCOLOGY

ONCOLYSIS

SEE NEOPLASMS ONCOLYSIS

ONCOLYTIC VIRUSES

SEE VIRUSES, ONCOLYTIC

ONCORN VIRUSES

SEE VIRUSES, ONCORN

ONE-CARBON COMPOUNDS

SEE CARBON COMPOUNDS, 1-CARBON COMPOUNDS

ONLY CHILD

SEE FAMILY, ONLY CHILD

ONYCHO-OSTEODYSGENESIS, HEREDITARY

SEE CONGENITAL ABNORMALITIES, SKELETAL, NAIL-PATELLA SYNDROME

OOGENESIS

SEE FERTILITY, OOGENESIS

OPERANT CONDITIONING

SEE PSYCHOLOGY, CONDITIONING, OPERANT

(cont'd)

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 **Oriented significantly to above subject.
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OPERATING ROOMS

SEE HOSPITALS, OPERATING ROOMS

OPERATIONS RESEARCH

SEE INFORMATION AND COMMUNICATION, SYSTEMS ANALYSIS, OPERATIONS RESEARCH

OPERATOR GENE

SEE GENETICS, GENES, OPERON, OPERATOR GENE

OPERON

SEE GENETICS, GENES, OPERON

OPHTHALMIA (GENERAL)

SEE EYE DISORDERS, OPHTHALMIA (GENERAL)

OPHTHALMIC SOLUTIONS

SEE EYEDROPS AND MEDICATIONS

OPHTHALMODYNAMOMETRY

SEE EYE EXAMINATIONS, OPHTHALMODYNAMOMETRY*

OPHTHALMOLOGY

SEE EYE

OPHTHALMOSCOPY

SEE EYE EXAMINATIONS, OPHTHALMOSCOPY*

OPINION

SEE POPULATION SURVEYS, PUBLIC OPINION

OPIMUM

SEE ALKALOIDS, OPIUM

OPOSSUM

SEE MAMMALS, MARSUPIALS, OPOSSUM*

OPSONINS

SEE IMMUNOLOGY, ANTIBODIES, OPSONINS

OPTACON (OPTICAL-TACTILE SIGHT**SUBSTITUTION SYSTEM FOR THE BLIND)**

SEE EYE DISORDERS, AIDS FOR THE BLIND, SUBSTITUTE SIGHT

OPTIC DISC

SEE EYE, OPTIC DISC

OPTIC NERVE

SEE NERVOUS SYSTEM, CRANIAL NERVES, OPTIC NERVE

OPTIC NERVE DISORDERS

SEE NERVOUS DISORDERS PERIPHERAL, OPTIC NERVE DISORDERS

OPTIC NEURITIS

SEE NERVOUS DISORDERS PERIPHERAL, OPTIC NEURITIS

OPTIC TRACTS

SEE BRAIN, VISUAL PATHWAYS, OPTIC TRACTS

OPTICAL AIDS, CORRECTIVE

SEE EYE DISORDERS, OPTICAL AIDS

OPTICAL DATA STORAGE

SEE COMPUTER, OPTICAL DATA STORAGE

OPTICAL DENSITY

SEE PHYSICAL PROPERTIES, DENSITOMETRY*

OPTICAL HETERODYNING

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, OPTICAL HETERODYNING*

OPTICAL ILLUSIONS

SEE EYE, VISION, OPTICAL ILLUSIONS

OPTICAL MASERS

SEE OPTICS, LASERS*

OPTICAL MEMORIES (COMPUTER)

SEE COMPUTER, OPTICAL DATA STORAGE

OPTICAL POLARIZATION*

SEE ALSO OPTICAL ROTATION*

SEE ALSO OPTICS, DICHROISM*

R01AI-09049-06 Physical chemistry of viruses and their components

R01CA-10171-09 Submicroscopic structure of living cells (marine biology)

R01EY-01155-02 Photoreceptor interactions (lobsters)

R01GM-20032-03 Selected solid state spectral studies

R01GM-21147-01 Polarized resonance Raman scattering of polymers

P01HL-12157-07 0019 Functions and mechanisms of cell membrane ion transport - Polarized fluorescence of lipid bilayers

R01HL-12527-06 Light scattering and orientation in mesophases

OPTICAL POLARIZATION, FLUORESCENCE**POLARIZATION***

R01GM-11223-12 Protein configuration by fluorescence techniques

P01GM-15003-13 0018 The biological functions of metals - Rapid kinetics in structure studies

** R01GM-16708-06 Optical studies of protein structure and function (cattle)

** R01GM-19019-11 Bifunctional studies of proteins (human, bacterial)

** R01HL-12147-07 Histochemistry of early arterosclerotic lesions

OPTICAL POLARIZATION, SPECTROPOLARIMETRY*

R01GM-16268-06 Reflection circular dichroism of biomolecular systems

** P01GM-18252-04 0001 Automation of ultramicroanalyses of macromolecules - Biophysical cytochemistry (human, mice)

** P01GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry

OPTICAL ROTATION*

SEE ALSO CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION

R01CA-10337-08 Spin labeling and membrane structure

R01GM-05811-15 Hydrolytic enzyme models

R01GM-10880-15 Optical rotatory power of biopolymers

** R01GM-12640-10 Asymmetric induction in synthesis and resolution

R01GM-14603-08 Structure and interactions of proteins in solution

R01GM-18871-07 Physical chemistry of proteins in salt solutions (human, cattle)

** R01NS-08116-07 Excitations in condensed molecular aggregates

OPTICAL ROTATION MAGNETIC, COTTON**EFFECT***

P01GM-15003-13 0014 The biological functions of metals - Circular dichroism in structure studies

R01GM-17850-05 Optical properties of biological macromolecules

OPTICAL ROTATION MAGNETIC, FARADAY**EFFECT***

P01GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies

OPTICAL ROTATORY DISPERSION*

R01GM-10829-16 Optically active coordination compounds

R01GM-14013-06 Structure of carbohydrate prosthetic groups (rats)

** R01GM-17850-05 Optical properties of biological macromolecules

** R01GM-18092-03 Conformations of biologically important molecules

P01GM-18252-04 0001 Automation of ultramicroanalyses of macromolecules - Biophysical cytochemistry (human, mice)

P01GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry

P17HL-15062-03 0002 Study of lipoproteins, artery wall, and atherosclerosis - Serum lipoproteins-Spin label methods (human, monkeys)

OPTICS*

SEE ALSO CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY*

SEE ALSO CHEMISTRY, ANALYTICAL METHODS, X-RAY STRUCTURE ANALYSIS*

SEE ALSO EYE REFRACTIVE DISORDERS

P01EY-00227-13 0006 The posterior segment of the eye - Thin films

R01EY-00704-04 Biochemical and biophysical investigation of rhodopsin

** R01EY-00892-02 Dynamic fracture studies of ophthalmic lenses

** R01EY-01140-02 Optical information processing in eyes (insects, spiders)

R01GM-12873-10 Biomolecular structure by electron microscopy

R01GM-15038-08 A high resolution x-ray reflecting microscope

** P01GM-16436-06 0057 Bioengineering program project - Microinstrumentation-Optical components (human)

R01GM-16474-06 Acoustic-optical interaction for image reconstruction

** P01HL-16117-01 0004 Ion movements and membranes in cardiovascular control - Optical studies of excitation-contraction coupling (frogs)

R01HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)

** P01NS-07226-06 0010 Neurosensory interdisciplinary research program - Brain cell separation

R01NS-08335-07 Experimental studies on vestibular mechanism (cats, rabbits)

OPTICS, BIREFRINGENCE*

R01CA-10171-09 Submicroscopic structure of living cells (marine biology)

** R01CA-12540-03 Electro-optic instrumentation and applications in biology

R01EY-00012-11 Microphotometric studies on retinal rods and cones (birds)

R01GM-11180-11 Physical chemistry of deoxyribonucleic acid (drosophila, mice)

R01GM-16834-06 0003 Flavoproteins-On-line computers-instrumentation - Instrumentation

R01GM-18095-03 Structure and properties of swelling implants

** R01NS-08437-06 Optical studies of neuron activity and organization (leech)

OPTICS, BIREFRINGENCE, STREAMING*

** R01GM-20195-17 Interactions of nucleotide and proteins

OPTICS, CHROMOPHORE*

R01AI-01218-18 The mechanism of bacterial transformation (yeasts)

R01AI-09049-06 Physical chemistry of viruses and their components

R01AI-10115-04 Conformation and structural dynamics of antibodies (rabbits)

** R01AM-00709-21 Ultraviolet irradiation of natural products ionophore complexes of alkali cations in a lipid phase

** R01CA-14005-02 The photoreactivating enzyme in repair of DNA (E coli)

R01CA-16343-01 Mechanism of action of the photoreactivating enzyme

R01EY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)

R01EY-00704-04 Biochemical and biophysical investigation of rhodopsin

R01GM-10451-11 Kinetic analysis of enzyme catalysis

R01GM-10880-15 Optical rotatory power of biopolymers

R01GM-11632-11 Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs)

P01GM-12202-11 Cellular energy metabolism

P01GM-15423-07 0011 Molecular basis of control mechanisms - Conformational symmetry on the function of enzymes

R01GM-16708-06 Optical studies of protein structure and function (cattle)

R01GM-16856-05 Nucleophilic reactions of DPN and its analogs

** R01GM-18092-03 Conformations of biologically important molecules

R01GM-18865-03 Laser Raman spectroscopy of metalloproteins

R01GM-19163-01 Applications and mechanisms of bacterial bioluminescence

** R01GM-19921-08 Electronic properties of complex molecules (cattle)

** R01GM-20117-11 Fast photosensitized reactions of aromatic compounds (human)

R01GM-20276-01 Applications of magnetic circular dichroism

** R01GM-21153-01 Magnetic circular dichroism of organic molecules

** P01HD-02274-08 0015 Mental retardation and child development - Ophthalmology (human, primates, rats)

P01HL-06285-14 0215 Cardiovascular-respiratory physiology and biochemistry - Conformation of biopolymers

** P01HL-12157-07 0019 Functions and mechanisms of cell membrane ion transport - Polarized fluorescence of lipid bilayers

P17HL-15062-03 0003 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins-EM and fluorescence

R01NS-09546-04 Physiology and bioluminescence (hydroids)

OPTICS, COLORIMETRY*

** R01ES-00788-01 Analysis of carbon monoxide in blood

OPTICS, DICHROISM*

R01EY-00704-04 Biochemical and biophysical investigation of rhodopsin

OPTICS, DICHROISM CIRCULAR*

R01AI-10115-04 Conformation and structural dynamics of antibodies (rabbits)

R01AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)

R01AM-10764-08 Mechanism of lactose synthesizing enzymes (rats, cattle)

** P01AM-17110-07 0008 Program project in biomaterials calcified tissue - Circular dichroism

** R01CA-12540-03 Electro-optic instrumentation and applications in biology

R01EY-00201-13 Photochemistry of visual pigments (anurans, chickens, cattle)

R01EY-00930-03 Early molecular events in visual excitation

R01GM-10829-16 Optically active coordination compounds

R01GM-11180-11 Physical chemistry of deoxyribonucleic acid (drosophila, mice)

R01GM-13767-09 Molecular aspects of mutation (bacteria, viruses)

** P01GM-15003-13 0014 The biological functions of metals - Circular dichroism in structure studies

** R01GM-16268-06 Reflection circular dichroism of biomolecular systems

** R01GM-17850-05 Optical properties of biological macromolecules

R01GM-18092-03 Conformations of biologically important molecules

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
 R01GM-19060-03 Sequence-dependence of polynucleotide configuration
 R01GM-19357-03 Spectroscopic studies of metalloenzymes
 ** R01GM-20195-17 Interactions of nucleotide and proteins
 R01HL-03226-16 Enzyme catalytic mechanism studies (swine)
 ** P01HL-16833-01 0015 Hemoglobin and red cell system in hemoglobinopathies - Stereochemistry of hemoglobins from magnetic circular dichroism (human)

OPTICS, DICHOISM CIRCULAR MAGNETIC*

- ** P01GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies
 ** R01GM-16263-06 Magnetic circular dichroism
 ** R01GM-20276-01 Applications of magnetic circular dichroism
 ** R01GM-21153-01 Magnetic circular dichroism of organic molecules
 P01HL-16833-01 0015 Hemoglobin and red cell system in hemoglobinopathies - Stereochemistry of hemoglobins from magnetic circular dichroism (human)

OPTICS, ELECTRON OPTICS*

- SEE ALSO OPTICS, MICROSCOPY, ELECTRON*
 SEE ALSO OPTICS, MICROSCOPY, PHOTOELECTRON*
 R01GM-12323-10 0016 Biochemical genetics - Mitochondrial-virus association with a mouse lymphoma
 R01GM-16454-06 Fundamental studies on biological electron imaging
 ** R01GM-19452-01 Electron crystallography of biological structures

OPTICS, FIBER OPTICS*

- N01CB-43896-00 Development of method of bowel preparation to barium enema or colonoscopy (human)
 P01DE-01774-13 Research program on dynamics of speech articulation (human)
 P13DE-02668-08 0019 Dental research center - Vocalization mechanisms
 R01EY-00686-04 Portable seeing aid
 R01GM-16188-05 Detection and measurement of radionuclide (phantom models)
 ** R01GM-21367-01 Materials and components for miniature fiberoptic (human, dogs)
 ** R01HD-08537-01 Bioinstrumentation for neonatal critical care (human, dogs)
 P01HL-07293-13 0031 Cardiovascular instrumentation research and development - Development of catheter tip fiberoptic oximeter (mammals)
 ** P01HL-07293-13 0032 Cardiovascular instrumentation research and development - Catheter tip pressure transducer
 P01HL-07293-13 0033 Cardiovascular instrumentation research and development - Optical Doppler flowmeters
 P01HL-07293-13 0034 Cardiovascular instrumentation research and development - Transilluminated light detection (infants)
 P01HL-07293-13 0035 Cardiovascular instrumentation research and development - Multifunctional fiberoptic catheter
 ** P01HL-07293-13 0038 Cardiovascular instrumentation research and development - Optical instrumentation (human)

OPTICS, FLAME PHOTOMETRY*

- SEE ALSO CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, ATOMIC ABSORPTION*
 R01GM-13326-08 Automation of analytical methods for enzymes
 P01GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
 R01GM-19478-03 Microanalysis using gas chromatography

OPTICS, FLUOROMETRY*

- R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
 N01DA-10095-02 Quantitative determination of cannabinoids in body fluids (human)
 P01ES-00481-03 0015 Subcellular pathology of heavy metals - X-ray fluorescence of heavy metal L and M x-rays
 ** P01EY-00227-13 0004 The posterior segment of the eye - Fluorimetry for studying ocular media (human)
 R01EY-01119-02 Pathogenesis of primary open angle glaucoma (human, mammals, nonhuman)
 ** R01GM-11223-12 Protein configuration by fluorescence techniques
 ** R01GM-11632-11 Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs)
 P01GM-18940-02 0001 Study of radiologic images - Measurement of x-ray spectra (model)
 P01GM-19521-03 0005 Genetic study of mammalian control systems - Studies of early embryos (human, mice)
 R01NS-02108-15 Hypo- and hypervitaminosis A (rats)
 ** R01NS-10513-01 Modulated phase fluorimetry for nerve ionic effects (squid)

OPTICS, IMAGE ENHANCEMENT*

- SEE ALSO OPTICS, PHOTOGRAPHY, HOLOGRAPHY*
 N01CB-44011-00 Xeromammography versus film mammography (human)

- N01CB-44012-00 Xeromammography versus film mammography (human)

OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

- SEE ALSO EYE DISORDERS, AIDS FOR THE BLIND, SUBSTITUTE SIGHT
 P02CA-12178-04 0014 Radiotherapy-oncology center - Physics division
 ** R01CA-13271-06 Automated cancer cell diagnosis by the ticas method
 ** R01CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
 P01CA-14097-02 0010 Cancer research program-Viruses; control mechanisms - DNA synthesis and division in bacteria
 R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
 N01CB-33873-02 Information requirements for image processing of cell samples
 N01CB-43869-00 Mass screening for breast cancer (human)
 ** N01CP-12050-05 OCR processing of Third National Cancer Survey
 R01EY-00212-15 Experimental and clinical visual electrophysiology (human, monkeys)
 P01EY-00299-09 0020 Neurophysiology of the visual apparatus - Model of eye movement control
 R01EY-00308-08 Visual processes with a motionless retinal image (human, cat)
 R01EY-01215-01 Visual receptive fields by a new method (frogs)
 M R01EY-01261-01 Image processing for clinical ophthalmology
 ** R01EY-01261-01 0009 Image processing for clinical ophthalmology - Image processing and graphics research
 ** R01EY-01261-01 0010 Image processing for clinical ophthalmology - New image sensor investigations
 ** R01FD-00648-04 Automated cytogenetic radiation health monitoring (human)
 R01GM-08522-12 Imaging systems for biological organisms
 ** P01GM-10548-12 0001 Nuclear instrumentation and chemistry in medicine - Systems analysis
 M R01GM-10797-09 Pattern recognition in clinical medical laboratories
 R01GM-12873-10 Biomolecular structure by electron microscopy
 ** P01GM-13244-10 Scanner-computer investigations of biological systems (microorganisms)
 P01GM-15003-13 0022 The biological functions of metals - Instrumentation for ultracentrifugation
 R01GM-16188-05 Detection and measurement of radionuclide (phantom models)
 R01GM-16195-06 Biomolecular structure by electron microscopy
 P01GM-16436-06 0038 Bioengineering program project - Biomechanics laboratory-Patient monitoring
 P01GM-16436-06 0039 Bioengineering program project - Biomechanics laboratory-Pulsed ultrasonic Doppler flowmeter utilization
 R01GM-16712-06 Radioisotope data processing and display
 ** R01GM-17632-04 Computer-aided image recognition
 M P01GM-17729-04 Diagnostic content and redundancy in radiatic images
 P01GM-17729-04 0001 Diagnostic content and redundancy in radiatic images - Digitization, display, and storage of radiatic images
 P01GM-17729-04 0002 Diagnostic content and redundancy in radiatic images - Extraction of radiatic image intelligence
 P01GM-17729-04 0003 Diagnostic content and redundancy in radiatic images - Model for automated computer diagnostic systems for radiatic images
 P01GM-17729-04 0004 Diagnostic content and redundancy in radiatic images - Test library of radiographic images
 ** P01GM-17940-04 0001 Integrated electronics for medical applications - Large scale integration
 R01GM-18619-02 High resolution biological electron microscopy
 R01GM-18936-04 Circular DNA elements in Bacillus megaterium (bacteria)
 P01GM-18940-02 0002 Study of radiologic images - Physical factors affecting radiographic image quality (models, human)
 P01GM-18940-02 0004 Study of radiologic images - Clinical evaluation of imaging systems
 ** P01GM-18940-02 0009 Study of radiologic images - In vivo radionuclide distribution studies (rodents, monkeys, human)
 ** P01GM-18940-02 0010 Study of radiologic images - Collimation and detection of radiation (phantom models)
 ** P01GM-18940-02 0017 Study of radiologic images - Development of liquid xenon imaging system
 M P01GM-19428-03 Computer aided biomedical pattern recognition
 P01GM-19599-02 0011 Surveillance and predictive diagnosis in surgical patients - Computer software and hardware
 ** R01GM-19864-01 Real-time conversion of thermal to visible pictures
 ** R01GM-19989-02 Reading methods and image quality vs x-ray reading error (human)

- ** R01GM-20028-02 Man-computer interactive analysis of chromosomes (Drosophila)
 ** R01GM-20291-02 Digital microphotometry and biomedical image analysis
 ** R01GM-20787-01 Radionuclide quantitative spatial imaging
 R01HD-02860-07 Quantitative human chromosome study aided by computer (also hamsters)
 R01HD-05361-10 Analysis of chromosome karyograms (human, mice)
 ** P01HD-07110-02 0017 Biomedical center for population research - Effects of oral contraceptives on cervical dysplasias (human)
 P01HD-07110-02 0026 Biomedical center for population research - Oral contraceptives and dysplasia (human)
 P01HL-04664-14 X-ray videometry computer analysis of cardiodynamics (dogs)
 ** R01HL-07575-11 Analysis of time coherent cardiovascular data
 M P01HL-08886-11 Radiology-physiology cardiovascular research
 P01HL-08886-11 0042 Radiology-physiology cardiovascular research - Cineangiography of ventricular dynamics during myocardial infarction (dogs)
 ** P01HL-08886-11 0056 Radiology-physiology cardiovascular research - Blood flow following radiocontrast droplets in three dimensions
 ** R01HL-12022-08 Computer analysis of ECG waveforms in surgery (human)
 R01HL-10325-08 Digital computer analysis of the ECG in heart disease
 R01HL-12202-06 Flow analyses for heart valves and vascular systems (computer graphics)
 R01HL-13503-03 Quantitation display of electrocardiographic data
 P01HL-13517-04 0013 Circulatory performance and prediction - Automatic processing of angiographic data (animals)
 P01HL-13517-04 0021 Circulatory performance and prediction - Quantifying the size of ischemic infarcted /scarred myocardium (dogs)
 R01HL-13942-03 Effect of intracardiac blood on isolated heart VCG (pigs)
 P17HL-14138-04 0009 Center for research on atherosclerosis - Angiographic-diagnosis (human, dogs, swine, cattle)
 R01HL-14492-03 Pattern recognition peripheral blood cells
 R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
 R01HL-16260-01 Development of clinical ultrasound cinecardiography
 R01HL-16487-01 Computer controlled two dimensional echocardiography
 ** R01HS-00696-04 Development of differential white cell count system
 ** R18HS-01210-02 Evaluation of remote radiographic communications
 ** P01MH-16674-06 0032 A program of psychiatry-oriented biomedical research - Computer display techniques in neuroanatomy (monkeys)
 ** P01NS-03360-14 0057 Neurological clinical research center-Epilepsy - Computerized EEG program
 P01NS-03627-12 0004 Cerebral and related systems - Vertebrate visual system (cats, catfish, amphibians)
 P01NS-03627-12 0009 Cerebral and related systems - Insect nervous system studies (fly, honeybee)
 R01NS-03752-13 Computer studies of brain potentials (human)
 R01NS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
 R01NS-08608-05 Examination of dynamic aspects of motor control (cats, frogs)
 P01NS-08802-05 0007 Cerebrovascular disease research center - EEG computer technology (human)
 R01NS-08962-06 Automatic pattern recognition in the EEG (human)
 ** R01NS-09744-05 Stochastic models of neural systems
 R01NS-10471-02 Small computer facility
 ** P07RR-00007-11 0273 Computer processing in biomedical systems - The inner system
 ** P07RR-00007-11 0282 Computer processing in biomedical systems - Signal processing with high fidelity interface
 ** P07RR-00007-11 0283 Computer processing in biomedical systems - Digital processing of video images
 ** P07RR-00007-11 0284 Computer processing in biomedical systems - Digital arithmetic for large array processing
 ** P07RR-00007-11 0285 Computer processing in biomedical systems - Video-roentgenographic images
 P07RR-00007-11 0286 Computer processing in biomedical systems - Clinical chest radiographs for early cancer detection
 P07RR-00007-11 0288 Computer processing in biomedical systems - Renal blood flow measurement by roentgen video-densitometry
 ** P07RR-00007-11 0289 Computer processing in biomedical systems - Phase locked biomation sample synchronizer
 ** P07RR-00007-11 0290 Computer processing in biomedical systems - Video image communication and retrieval system
 ** P07RR-00007-11 0291 Computer processing in biomedical systems - Biplane video roentgen system

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P07RR-00007-11 0292 Computer processing in biomedical systems 2 Roentgen video imaging system
 ** P07RR-00007-11 0293 Computer processing in biomedical systems - Roentgen videograms for respiratory mechanics in dogs
 P07RR-00007-11 0295 Computer processing in biomedical systems - Automatic classification of chromosomes
 ** P07RR-00007-11 0297 Computer processing in biomedical systems - Computerized video system analysis
 ** P07RR-00007-11 0299 Computer processing in biomedical systems - Pattern recognition of cerebral electric activity
 ** P07RR-00007-11 0308 Computer processing in biomedical systems - Roentgenographic data in reference to angiocardiology
 ** P07RR-00007-11 0309 Computer processing in biomedical systems - Left ventricle roentgenogram (dogs)
 ** P07RR-00007-11 0315 Computer processing in biomedical systems - Videodensity measurement of ventricular fraction
 ** P07RR-00007-11 0324 Computer processing in biomedical systems - Congenital heart disease by roentgen videodensitometry
 ** P07RR-00007-11 0327 Computer processing in biomedical systems - Parenchymal distortion
 ** P07RR-00007-11 0329 Computer processing in biomedical systems - Ramtek solid-state computer-interactive, video refresh system
 ** P07RR-00007-11 0330 Computer processing in biomedical systems - Computer graphic techniques
 ** P07RR-00007-11 0331 Computer processing in biomedical systems - Contouring and 3-D surface display
 ** P07RR-00007-11 0333 Computer processing in biomedical systems - Three-dimensional display of EEG potential fields
 ** P07RR-00007-11 0334 Computer processing in biomedical systems - Coronary arteries and myocardium
 ** P07RR-00007-11 0335 Computer processing in biomedical systems - Computer control of video disc recorder
 ** P07RR-00007-11 0337 Computer processing in biomedical systems - High fidelity, extended television system
 ** P07RR-00007-11 0338 Computer processing in biomedical systems - Video image computer station
 P07RR-00007-11 0343 Computer processing in biomedical systems - Computer technology of physiology systems
 P07RR-00007-11 0344 Computer processing in biomedical systems - Physiological data for on-line computer analysis
 P07RR-00007-11 0347 Computer processing in biomedical systems - Computer analysis of roentgenographic and ultrasound images
 P07RR-00007-11 0348 Computer processing in biomedical systems - Computer-generated display
 ** P07RR-00007-11 0349 Computer processing in biomedical systems - Application of the computer to various systems
 ** P07RR-00007-11 0350 Computer processing in biomedical systems - Graphcon
 ** P07RR-00012-12 0064 Computer facility for medical community - Computerized videometric processing of angiocardiology recordings
 P07RR-00015-12 0065 Medical school computer facility - Computer-based clinical electrocardiography
 ** P07RR-00015-12 0070 Medical school computer facility - Protein packing patterns
 ** P07RR-00015-12 0075 Medical school computer facility - Three-dimensional image analysis and display
 P07RR-00015-12 0077 Medical school computer facility - Programs for the graphic record digitizer
 MO1RR-00210-10 0006 General clinical research center - Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
 MO1RR-00322-08 0025 General clinical research center - Circadian rhythm in neurologic disorders (human)
 P07RR-00355-08 High resolution mass spectrometer facility
 ** P07RR-00442-05 Computer resource for image processing and displays
 P07RR-00578-04 Special research resource for biomolecular graphics
 P07RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)
 P07RR-00715-02 Electron microscope facility
 P07RR-00716-07 Bioengineering resource facility
 ** P07RR-00757-02 0014 Implementation of laboratory automation system - Automatic film scanning device

OPTICS, IMAGING-VISUALIZATION (GENERAL)*

- SEE ALSO BRAIN VISUALIZATION*
 SEE ALSO CARDIOVASCULAR VISUALIZATION*
 SEE ALSO DENTAL VISUALIZATION*
 SEE ALSO GASTROINTESTINAL VISUALIZATION*
 SEE ALSO KIDNEY VISUALIZATION*
 SEE ALSO LIVER VISUALIZATION*
 SEE ALSO PHYSICAL PROPERTIES, SOUND, ULTRASONOGRAPHY
 SEE ALSO RADIOGRAPHY*
 SEE ALSO RESPIRATORY VISUALIZATION*
 SEE ALSO SKELETAL VISUALIZATION*
 SEE ALSO URINARY TRACT VISUALIZATION*
 RO1EY-00376-07 Effect of visual deprivation on vision (rats, cats)
 RO1GM-20226-01 Magnetoionic image converter
 PO1HD-07328-01 0005 Experimental and theoretical studies of cell senescence - Design and development of micromanipulation equipment

OPTICS, INTERFEROMETRY*

- RO1EY-00093-08 Experimental fluorescein angiography (monkeys)
 ** RO1EY-01312-01 Holographic stress-testing of the surgical cornea (rabbits)
 RO1NS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)

OPTICS, LASERS*

- SEE ALSO CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*
 SEE ALSO CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, OPTICAL HETERODYNING*
 SEE ALSO OPTICS, PHOTOGRAPHY, HOLOGRAPHY*
 RO1AM-13687-18 Energy source for contraction of muscle (frogs)
 RO1AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
 ** RO1CA-05003-16 0007 Dermatologic reactions induced by solar radiation - Effects of ultraviolet laser on mammalian skin (human, guinea pigs)
 RO1CA-12523-03 Detection and treatment of model choroidal melanoma (humans, rabbits)
 RO1CA-12540-03 Electro-optic instrumentation and applications in biology
 RO1CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
 PO2CA-13696-02 0038 Clinical cancer research center - Angiomatous tumors (human)
 NO1CP-33231-04 Applied electrical and optical technology in oncology
 RO1DE-03545-03 Prediction of tooth displacement (human)
 PO1ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
 ** RO1ES-00376-11 Laser radiation in photochemistry and photobiology
 PO1EY-00227-13 0003 The posterior segment of the eye - Heat generation and propagation in ocular tissues (human)
 PO1EY-00227-13 0017 The posterior segment of the eye - Velocity of blood flow in retinal arteries (rabbits)
 RO1EY-00250-11 Diabetic retinopathy (human, dogs)
 ** RO1EY-00318-06 Lasers in ophthalmic diseases (human, monkeys)
 P15EY-00338-09 0007 A study of macular disease - Photocoagulation of cystoid macular edema in diabetic retinopathy (human)
 PO1EY-00523-13 0006 Sensory disease clinical research center (eye disorders) - Photocoagulation in treatment of retinal diseases (human)
 RO1EY-00538-05 Ultrastructural study of ocular vascular permeability (monkeys)
 ** RO1EY-00643-02 Collaborative diabetic retinopathy study (human)
 ** RO1EY-00643-01 Collaborative study of diabetic retinopathy (human)
 ** RO1EY-00650-01 Collaborative diabetic retinopathy study (human)
 RO1EY-00790-03 Pathology of retinal dysfunction (human, monkeys)
 ** RO1EY-00827-01 Neovascular macular disease - Pathogenesis and therapy (human)
 ** RO1EY-00886-01 Laser glaucoma surgery (human, animals)
 RO1EY-00926-01 ERG and VECF as indices of photopic dysfunction (human)
 RO1EY-00944-03 An experimental approach to maculopathy (primates)
 ** RO1EY-01034-01 Collaborative study of diabetic retinopathy (human)
 ** RO1EY-01037-01 Collaborative diabetic retinopathy study (human)
 ** RO1EY-01046-01 Collaborative study of diabetic retinopathy (human)
 ** RO1EY-01047-01 A new laser-based surgical procedure for treatment of glaucoma (monkeys, human)
 ** RO1EY-01076-02 Human optic disc laser contour angiograms in glaucoma (human)
 ** RO1EY-01078-02 Experimental argon laser photocoagulation (primates)
 ** RO1EY-01303-01 Human retinal blood flow and laser velocimetry (human, monkeys)
 RO1EY-01310-01 Fovea-Anatomical and behavioral studies (animals)
 RO1EY-01312-01 Holographic stress-testing of the surgical cornea (rabbits)
 ** NO1EY-32118-03 Diabetic retinopathy study (human)
 ** NO1EY-32119-02 Diabetic retinopathy study (human)
 ** NO1EY-32121-02 Diabetic retinopathy study (human)
 ** NO1EY-32122-02 Diabetic retinopathy study (human)
 ** NO1EY-32123-02 Diabetic retinopathy study (human)
 ** NO1EY-32124-02 Diabetic retinopathy study (human)
 ** NO1EY-32125-02 Diabetic retinopathy study (human)
 ** NO1EY-32126-03 Diabetic retinopathy study (human)
 ** NO1EY-32127-03 Diabetic retinopathy study (human)
 ** NO1EY-32129-02 Diabetic retinopathy study (human)
 ** NO1EY-32130-02 Diabetic retinopathy study (human)
 NO1EY-42128-02 Diabetic retinopathy study
 NO1EY-42142-02 Diabetic retinopathy study (clinic)
 RO1FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)

- PO1GM-16436-06 0032 Bioengineering program project - Optical data processing applied to microcolony cell identification
 RO1GM-16474-06 Acoustic-optical interaction for image reconstruction
 RO1GM-17367-05 Automated cell sorting-Clinical and biological uses (human, mammals nonhuman)
 RO1GM-17855-05 Inelastic light scattering of viruses and cells (E. coli, bacteriophage)
 RO1GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
 PO1GM-18940-02 0002 Study of radiologic images - Physical factors affecting radiographic image quality (models, human)
 RO1GM-19328-03 Burn debridement-Chemical, enzymatic, CO2 laser (human, swine, dogs, rats)
 PO1GM-19428-03 0012 Computer aided biomedical pattern recognition - Precise duplication and transmission of radiographs (human)
 RO1GM-20329-07 Photo chemical synthesis of organic compounds
 PO1HL-07293-13 0028 Cardiovascular instrumentation research and development - Synthetic aperture techniques (models)
 PO1HL-07293-13 0031 Cardiovascular instrumentation research and development - Development of catheter tip fiberoptic oximeter (mammals)
 PO1HL-07293-13 0033 Cardiovascular instrumentation research and development - Optical Doppler flowmeters
 P17HL-14182-04 0008 A special center of research in thrombosis - Coagulation changes in diabetic retinopathy (human)
 P17HL-14207-04 0002 Early detection and prevention of arteriosclerosis - Pulsatile flow studies related to plaque formation in atherosclerosis (human)
 P17HL-14217-04 0029 Specialized center of research in thrombosis - Microcirculation (bats)
 PO1HL-14322-03 0012 Interdisciplinary program in biomaterials science - Facility for measurement of physical and chemical changes in macromolecules
 ** RO1HL-15036-01 In vitro cinephotography using a laser light source
 P18HL-15168-03 0005 Comprehensive sickle cell disease center - Ocular therapy, clinical investigations, and counseling
 ** RO1HL-15740-02 In vitro studies on heart cell function (rats)
 R18HS-01385-01 Telecommunications in a health care delivery system
 ** R18HS-01390-01 Laser mediated telemedicine anesthesia
 NO1HV-12156-04 Lipid research clinic (human)
 ** PO1NS-03354-13 0006 Neurosensory center - Ophthalmic pathology (human, rabbits)
 PO1NS-03354-13 0009 Neurosensory center - Electron microscopy (human, animals)
 ** PO1NS-07226-06 0007 Neurosensory interdisciplinary research program - Thermal stimulator for neurosensory research (monkeys)
 ** PO1NS-07226-06 0010 Neurosensory interdisciplinary research program - Brain cell separation
 RO1NS-08409-06 Ionic conductance in nerve at low temperatures (squid)
 RO1NS-09349-04 Intravascular magnetic techniques and the nervous system (human, mammals)
 ** RO1OH-00371-02 Occupational hazards of laser material processing (human)
 MO1RR-00722-02 0006 General Clinical Research Center - Natural history of diabetic retinopathy (human)

OPTICS, LIGHT EMISSION (GENERAL)*

- SEE ALSO CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, EMISSION*
 SEE ALSO PHOTOBIOLOGY
 SEE ALSO PHOTOCHEMISTRY
 SEE ALSO PHOTOTHERAPY
 SEE ALSO RADIATION, ELECTROMAGNETIC WAVES, SOLAR RADIATION
 RO1OH-00465-03 Current trends in survivorship of radiologists (human)

OPTICS, LIGHT EMISSION, BIOLUMINESCENCE*

- PO1AM-09650-10 0006 Hormonal and ionic control of metabolism - Cellular calcium concentration measurements (Spirostomum)
 RO1GM-06637-15 Support of central laboratory for electron microscopy (biology)
 ** RO1GM-18637-03 Thermodynamic studies of protein reactions-Luciferase bacteria)
 ** RO1GM-19163-01 Applications and mechanisms of bacterial bioluminescence
 ** RO1GM-19488-17 Chemi- and bioluminescence
 ** RO1NS-09546-04 Physiology and bioluminescence (hydroids)
 RO1NS-10447-03 Structure and function in excitable cells (arthropods, lampreys)

OPTICS, LIGHT EMISSION, FLUORESCENCE*

- SEE ALSO DYES, FLUORESCENT DYES AND PROBES
 SEE ALSO RADIOFLUORESCENT PROBES
 RO1AM-05853-13 Conformational basis of enzymic catalysis

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
- ** R01AM-14543-04 Alternate pathways of bilirubin metabolism (human, rats)
- ** N01AM-22216-02 Reagentless solid-surface fluorescence monitoring system
- ** R01CA-12523-03 Detection and treatment of model choroidal melanoma (humans, rabbits)
- ** R01EY-00422-06 Fluorescent derivatives of tyrosine in cataract lens (human, rabbits)
- R01EY-00875-03 Spectra, theory and photochemistry of vision pigments
- R01EY-01261-01 0001 Image processing for clinical ophthalmology - Choroidal circulation using infrared angiography (monkeys)
- R01EY-01261-01 0002 Image processing for clinical ophthalmology - Macular pigmentary changes in the senile macula (human)
- R01EY-01261-01 0004 Image processing for clinical ophthalmology - Distribution of retinal capillaries in normal and sickle cell retinopathy (human)
- ** P01GM-10403-12 0012 Biophysical studies on viral structure and function - Sperm cells
- ** R01GM-10797-09 0013 Pattern recognition in clinical medical laboratories - Retinal fluorescence cinematography (human)
- R01GM-11373-11 Phosphorimetric analysis of drugs in blood and urine (human)
- R01GM-14621-08 Physico-chemical studies of nucleic acids (E. coli, Drosophila)
- R01GM-19564-03 Enzymology of isoleucine and valine biosynthesis (bacteria)
- R01GM-19921-08 Electronic properties of complex molecules (cattle)
- R01GM-20117-11 Fast photosensitized reactions of aromatic compounds (human)
- R01HL-12147-07 0002 Histochemistry of early arteriosclerotic lesions - Fluorescent brightening agents
- R01HL-12147-07 0006 Histochemistry of early arteriosclerotic lesions - Infrared fluorescence
- ** P01HL-12157-07 0019 Functions and mechanisms of cell membrane ion transport - Polarized fluorescence of lipid bilayers
- R01HL-15645-02 Fluorescence and excitation-contraction in heart (rabbits)
- ** P01HL-16117-01 0002 Ion movements and membranes in cardiovascular control - Fluorescence and excitation-contraction in heart (frogs)
- R01NS-10489-03 Nerve excitation-Molecular mechanisms (squid)
- ** P01NS-10981-02 0012 Control of activity in excitable tissues - Extrinsic fluorescence in sartorius muscles (frogs)
- R01NS-11165-01 Contractile mechanisms and myogenesis (rabbits, mice)
- P01NS-11631-01 0004 Clinical center for research on Parkinson's and allied diseases - Histochemical studies (dogs, rats)
- P01NS-11631-01 0041 Clinical center for research on Parkinson's and allied diseases - Histofluorescence laboratory (rats)
- P07RR-00007-11 0321 Computer processing in biomedical systems - Densitometric analysis of fluorescent stained chromosomes (human)
- P07RR-00015-12 0103 Medical school computer facility - Analysis of fluorescence decay profiles in membranes

OPTICS, LIGHT EMISSION, LUMINESCENCE*

SEE ALSO RADIOASSAY, THERMOLUMINESCENT RADIATION DETECTOR-READER*

- R01AM-16508-02 Analog systems for biological porphyrins
- R01AM-17006-01 Instrumental methods and pyridoxal catalysis (pig)
- ** R01EY-00495-06 Photobiology and vision (fish, birds)
- R01EY-00800-03 Photopic and scotopic vision of strabismic amblyopia (human)
- R01EY-01172-02 Opponent-color codes-Cancellation and magnitude codes (human)
- P01EY-01319-01 0002 Visual science research center support - Electrophysiological studies of the cat visual system
- P01EY-01319-01 0006 Visual science research center support - Single unit studies of cortical activity (primates)
- P01EY-01319-01 0009 Visual science research center support - Heterochromatic matching
- P01EY-01319-01 0010 Visual science research center support - Spatial orientation
- ** R01FD-00639-06 Thermoluminescent dosimeter crystals
- R01GM-15994-06 Ion-molecule mass spectra in structure elucidation
- ** R01GM-17913-04 New methodologies in bioanalytical chemistry
- ** R01GM-18637-03 Thermodynamic studies of protein reactions-Luciferase (bacteria)
- ** R01GM-19181-03 Spectroelectrochemistry of bio-electron transfers
- ** R01GM-19488-17 Chemi- and bioluminescence
- R01GM-19536-02 Molecular and cellular mechanisms of biological rhythms (dinoflagellates)

OPTICS, LIGHT EMISSION, PHOSPHORESCENCE*

- R01CA-13598-03 Interactions between DNA and skin-sensitizing coumarins (bacillus subtilis)
- R01EY-00875-03 Spectra, theory and photochemistry of vision pigments
- R01GM-11373-11 Phosphorimetric analysis of drugs in blood and urine (human)
- ** R01GM-21795-01 Magnetic resonance of heterocyclic triplet states

OPTICS, LIGHT INTENSITY*

SEE ALSO ENVIRONMENTAL HEALTH, LIGHTING

- R01EY-00901-01 Psychophysical studies of color-defective observers (human)
- ** R01EY-01394-01 Very early dark adaptation from intense bleaching (human)
- ** R01FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
- R01GM-20289-01 Mathematical study of circadian rhythms

OPTICS, LIGHT SCATTERING*

- R01AI-09049-06 Physical chemistry of viruses and their components
- R01AM-10833-08 Structure of collagen (bacteria, mice, human)
- ** R01CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
- R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
- ** N01CP-33226-02 Laser light scattering studies on nucleic acids, nucleoproteins and viruses
- N01CP-33231-04 Applied electrical and optical technology in oncology
- R01EY-00423-06 Studies upon the ocular lens (human, calves)
- R01EY-00431-06 Control of corneal hydration (rabbits, human)
- ** P01EY-00785-03 0004 Vision research center - Glare reduction in ophthalmic instruments
- ** R01EY-00797-03 Physical and chemical basis of lens opacity (mice)
- ** R01EY-01019-02 Light scattering and ultrastructural studies of the cornea (rabbits)
- R01GM-11180-11 Physical chemistry of deoxyribonucleic acid (Drosophila, mice)
- ** P01GM-16436-06 0030 Bioengineering program project - Optical propagation in blood
- ** P01GM-16436-06 0031 Bioengineering program project - Optical and ultrasonic propagation analysis in tissue
- ** P01GM-16436-06 0032 Bioengineering program project - Optical data processing applied to microcolony cell identification
- R01GM-17367-05 Automated cell sorting-Clinical and biological uses (human, mammals nonhuman)
- ** R01GM-17855-05 Inelastic light scattering of viruses and cells (E. coli, bacteriophage)
- R01GM-19452-01 Electron crystallography of biological structures
- ** P01GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
- ** R01GM-21147-01 Polarized resonance Raman scattering of polymers
- R01HL-12527-06 Light scattering and orientation in mesophases
- R01HL-15335-02 The nature of the collagen-platelet interaction (animals)
- R01NS-07286-07 UV spectroscopic study of membrane proteins and DNA

OPTICS, MICROGRAPHY (GENERAL)*

SEE ALSO OPTICS, PHOTOGRAPHY*

SEE ALSO OPTICS, PHOTOGRAPHY, HOLOGRAPHY*

- R01GM-10797-09 0011 Pattern recognition in clinical medical laboratories - Electron micrograph of brain tissue
- R01GM-10797-09 0014 Pattern recognition in clinical medical laboratories - Bacteriology slide scanning
- P01GM-19428-03 0005 Computer aided biomedical pattern recognition - Technical improvements in red cell studies (human)
- ** P01GM-19428-03 0014 Computer aided biomedical pattern recognition - Enhancement of biological images
- P01GM-19521-03 0004 Genetic study of mammalian control systems - Control of beta galactosidase (mice)
- R01HL-16276-01 Ultrastructure of the conduction system of the heart

OPTICS, MICROSCOPY (GENERAL)*

- P01GM-18252-04 0001 Automation of ultramicroanalyses of macromolecules - Biophysical cytochemistry (human, mice)
- ** R01GM-21817-01 Clinical application of microscope imaging scanner-digitizer
- ** P01HD-07328-01 0005 Experimental and theoretical studies of cell senescence - Design and development of micromanipulation equipment
- ** P01HL-14322-03 0015 Interdisciplinary program in biomaterials science - Development of molecular microscopy for surface studies in biology
- ** R01NS-10972-02 Basal forebrain organization (rats, sharks)

OPTICS, MICROSCOPY, ELECTRON*SEE ALSO OPTICS, MICROSCOPY, IMMUNE ELECTRON*
SEE ALSO TEMPERATURE, FREEZE-ETCHING*

- ** R01AI-02347-15 Ultrastructure of parasites (mice, guinea pigs)
- R01AI-05663-11 Interaction of alveolar macrophages and mycobacteria (rabbits)
- ** R01AI-06814-09 Electron microscopy of virus-host interactivity
- ** R01AI-08058-07 Ultrastructural localization of enzymes in helminths
- ** R01AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)
- R01AI-08673-06 Cytology of helminth parasite-host relationships (mice)
- R01AI-09410-05 Endocrinology of mosquito reproduction and behavior
- ** R01AI-09559-05 Ultrastructure studies on mosquitoes and fleas
- ** R01AI-10290-03 The ultrastructural relation of H-2 isoenzymes (mice)
- ** R01AI-10645-03 High voltage electron microscopy of malaria
- R01AI-10894-03 Hepatitis, HAA and anti-HAA in mothers and infants
- R01AI-10971-03 Cell division and surface growth (bacteria)
- R01AI-11187-02 Streptococci
- R01AI-11337-02 Control of toxin production in viral-infected cells
- ** R01AI-11438-02 Ultrastructural aspects of cellular immunity (mice)
- ** R01AI-11508-02 Ultrastructure of rickettsiae in lice and fleas (mice, chick embryo, rabbits)
- ** P01AI-11576-02 0007 Lymphocyte biology - Electron microscopy
- ** R01AI-11656-01 Ultrastructural studies of C-virus murine myelopathy
- ** R01AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- P01AM-01431-18 0003 Rheumatic diseases - Electron microscopy (human, mice)
- R01AM-06074-16 Renal pathology studied with electron microscopy (human, rats, rabbits)
- P01AM-08445-10 0006 Biology of skin of man and other primates - Electron histochemistry of sebaceous glands (prosimians, human)
- P01AM-08445-10 0015 Biology of skin of man and other primates - Ultrastructural studies of acne vulgaris (human)
- P01AM-08445-10 0017 Biology of skin of man and other primates - Development of pigment cells in eyes of rhesus monkeys
- P01AM-08445-10 0019 Biology of skin of man and other primates - The ultrastructure of a melanotic melanoma (mice)
- R01AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
- P01AM-09001-10 0032 Biochemistry and immunology of blood diseases - Reversible bone marrow toxicity (dogs)
- ** P01AM-09989-09 0002 Immunological and other aspects of rheumatic diseases - Electron microscopy of pannus-free cartilage (human, rabbits)
- R01AM-10045-08 0005 Urothelial microcontour, function and defenses - Bacterial washout and effect on urinary diversion (dogs)
- R01AM-10045-08 0007 Urothelial microcontour, function and defenses - Antigen-antibody reactions in female urethra (guinea pigs, dogs)
- ** R01AM-10809-07 EM study and x-ray diffraction of stored lipids (human, rats, mice)
- ** R01AM-11407-08 Histophysiology of secretion (birds, guinea pigs)
- ** R01AM-12274-07 Ultrastructure of leukocytes and platelets (human)
- ** R01AM-12396-11 EM studies-Transport, secretion and absorption sites (human, rabbits)
- ** R01AM-12950-06 Electron microscopic studies of parietal cells (rats)
- R01AM-15280-04 Stromal control of hemopoiesis-normal and diseased (mice)
- ** P01AM-15671-04 0034 The biology of skeletal and other connective tissues - Electron microscopic studies on the mineral phase of calcification (mice)
- ** P01AM-16392-02 0003 Immunologic mechanisms in renal disease in childhood - Electron microscopy of glomerular permeability (rats, rabbits)
- ** P01AM-16516-03 0003 Biochemistry of normal and diseased connective tissue - Electron microscopy of enzymes and related macromolecules in collagen biosynthesis
- R01AM-17797-01 The origin and formation of renal lymph (rats, dogs)
- ** R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- R10CA-05186-14 Western cancer study group
- P02CA-06973-12 0016 Integrated clinical cancer research program - Plasma cell dyscrasia (human)
- ** P01CA-07368-11 0005 Interrelationships of normal and cancer cells - Cell membrane and junction studies (human)
- R01CA-07868-09 Defective Friend virus and its pseudotypes (mice)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-10171-09 Submicroscopic structure of living cells (marine biology)
- ** R01CA-10337-08 0004 Spin labeling and membrane structure - Alterations of membranes by uranyl acetate and glutaraldehyde
- ** P01CA-10893-06 0005 Cancer Research Center - Electron microscopy of nucleoli and nuclei of cancer cells (human, rats)
- ** R01CA-12067-04 Electron microscopic and cytochemical studies of DNA (human, rats)
- R01CA-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
- R01CA-13032-03 In vitro system for detection of preinvasive carcinoma (mice)
- ** P01CA-13106-03 0003 Cold Spring Harbor laboratory cancer research center - Electron microscopy section
- P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
- P02CA-13148-03 0001 Pilot cancer center - Gynecologic oncology
- R01CA-13595-03 Electron microscopy of lymphoreticular tissues (mice, human)
- P02CA-13696-02 0039 Clinical cancer research center - Electron microscopy of orbital and adnexal tumors (human)
- P02CA-13696-02 0066 Clinical cancer research center - Electron microscopy studies of normal and abnormal tissues (human)
- ** P01CA-14536-01 0084 Cancer Institute core proposal - Electron microscope facilities
- R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
- ** P02CA-15145-01 0039 Cancer center support grant - Quantitative electron microscopy of leukemic cells (human)
- R26CA-15798-01 Histopathological grading of carcinoma of prostate (human)
- N01CB-43964-00 Human peripheral blood mononuclear cells
- N01CB-43985-00 Normal and tumor cell surface antigens
- N01CP-33266-02 Investigation of potential carcinogens from plants
- R01DE-01701-12 Oral pathology-Electron microscopy (human, dogs, rats, rabbits, snails)
- M P01DE-01766-12 Ultrastructure and physiology of oral mucosa
- P01DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- P01DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
- P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (bamsters)
- R01DE-01919-12 Biophysical methods applied to teeth (dinosaur)
- P01DE-01945-11 0001 Ultrastructure of hard tissue - Structure of diseased bone (human, rats, rabbits, chickens)
- P10ES-00928-01 0035 Environmental agents-Relation to human health effects - Ultramicroscopic particulate content of urban air in U.S.
- ** R01EY-00133-05 Electron microscopy in ocular pathology (human)
- ** R01EY-00190-18 Electron microscopy of the eye (human, animals)
- P01EY-00227-13 0010 The posterior segment of the eye - Diabetic retinopathy (human)
- R01EY-00348-08 Chemistry of cell surface membranes of lens fibers (rats, rabbits, cattle)
- P01EY-00396-07 0012 Basic ophthalmic research program - Electron microscopy of eye (animals)
- R01EY-00405-07 Sensory mechanisms in visual orientation (fish, crustaceans, insects)
- ** R01EY-00444-06 Electron microscope autoradiography of ocular tissues (animals)
- ** P01EY-00523-13 0015 Sensory disease clinical research center (eye disorders) - Electron microscopic studies (human, monkeys)
- R01EY-00538-05 Ultrastructural study of ocular vascular permeability (monkeys)
- R01EY-00577-10 Visual behavior-Anatomical and functional basis (cats)
- ** R01EY-00625-03 Electron microscopy of stored and preserved corneas (human, rabbits)
- ** R01EY-00725-03 Proliferative vitreoretinopathy ultrastructure (human, guinea pigs)
- R01EY-00962-02 Abnormalities in visual pathways (cats, rabbits, mink)
- R01EY-01287-01 Development of optic pathway during embryogenesis (chick)
- R01GM-04738-18 Submicroscopic organization of chromosomes (animals, fungi)
- ** R01GM-06637-15 Support of central laboratory for electron microscopy (biology)
- ** R01GM-08968-13 Electron microscope studies of nucleic acid structures (flies, viruses)
- ** R01GM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)
- ** R01GM-10797-09 0011 Pattern recognition in clinical medical laboratories - Electron micrograph of brain tissue
- R01GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
- ** R01GM-12873-10 Biomolecular structure by electron microscopy
- ** R01GM-14237-09 Electron microscopy of macromolecular systems (mammals, E coli)
- R01GM-14711-08 Structure and replication of DNA
- ** R01GM-15289-07 Electron microscopy of cells having cycling cycles (human, primates, mammals)
- ** R01GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- R01GM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
- ** R01GM-16195-06 Biomolecular structure by electron microscopy
- ** R01GM-16454-06 Fundamental studies on biological electron imaging
- ** R01GM-18204-04 High voltage Alfresco scanning electron microscopy
- ** R01GM-18391-03 Field emission-Phase contrast electron microscopy
- ** R01GM-18541-04 Structural analysis of crystalline ribosomes (chick embryo)
- ** R01GM-18619-02 High resolution biological electron microscopy
- M R01GM-19079-03 One MEV scanning transmission electron microscope
- ** R01GM-19079-03 0001 One MEV scanning transmission electron microscope - Linear non-repetitive sequence
- ** R01GM-19079-03 0002 One MEV scanning transmission electron microscope - Analysis of the kinetics of folding in macromolecules
- ** R01GM-19079-03 0003 One MEV scanning transmission electron microscope - Coalescence of large, well ordered aggregates (viruses)
- ** R01GM-19079-03 0004 One MEV scanning transmission electron microscope - Structural studies of the ribosomes
- ** R01GM-19079-03 0005 One MEV scanning transmission electron microscope - In situ analysis of organellar assembly
- ** R01GM-19079-03 0006 One MEV scanning transmission electron microscope - Formation and final configuration of intercellular junction in embryonic tissue
- ** R01GM-19079-03 0007 One MEV scanning transmission electron microscope - Distribution of specific functional sites on the surface of mammalian cells
- ** P01GM-19428-03 0014 Computer aided biomedical pattern recognition - Enhancement of biological images
- ** R01GM-19452-01 Electron crystallography of biological structures
- ** R01GM-20550-02 Radiation damage above 1 MEV in biological EM
- R01GM-20690-01 Macromolecular basis for ciliary motility (sea urchins, mussels)
- P01GM-20927-01 0001 Sequence structure of eukaryotic genome - Fraction identification by ferritin labels on repetitive DNA sequences
- P01GM-20927-01 0004 Sequence structure of eukaryotic genome - tRNA genes of Drosophila
- P01GM-20927-01 0005 Sequence structure of eukaryotic genome - Mapping globin genes (mice, rabbits, ducks)
- P01GM-20927-01 0006 Sequence structure of eukaryotic genome - Mapping the modes of integration of cancer viruses (SV40)
- P01GM-20927-01 0008 Sequence structure of eukaryotic genome - Reassociation products of known length DNA fragments (Xenopus)
- P01GM-20927-01 0009 Sequence structure of eukaryotic genome - Characterization of rat and human genome
- R01HD-01026-10 0002 Cytology of mammalian differentiation - Skeletal muscle (rats)
- ** R01HD-02459-08 Ultrastructural studies of the lung (rabbits)
- R01HD-03132-07 Biochemistry of early human and mouse development
- R01HD-03752-05 0006 Mammalian reproduction - 'Genital canals' discovered in human embryos
- R01HD-03752-05 0007 Mammalian reproduction - Fine structure of the developing sex cords (human, rats)
- P01HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
- ** P01HD-04583-06 0021 Mental retardation research center - Pathology of late infantile lipidosis (human)
- ** P01HD-04583-06 0022 Mental retardation research center - Synaptic architecture in the brain (rats)
- P01HD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)
- P01HD-05797-04 0024 Population and reproductive biology - Electron microscopy of sperm maturation in the rabbit
- P01HD-05797-04 0025 Population and reproductive biology - Electron microscopy of sperm maturation in the rat
- P01HD-05797-04 0026 Population and reproductive biology - Sperm capacitation in nitrogen mustard or colchicine treated rabbits
- P01HD-05797-04 0027 Population and reproductive biology - In vitro fertilization of oocytes (human)
- R01HD-05897-04 Cell biology of steroid-secreting cells (mice, guinea pigs)
- P01HD-06276-03 0047 Mental retardation research program - Effect of undernutrition on myelination in developing rat (electron microscopy)
- P01HD-06276-03 0049 Mental retardation research program - Perinatal telencephalic leucoencephalopathy (human)
- R01HD-06380-03 Biogenic amines in ovulation and implantation (rats)
- ** R01HD-07547-01 Age changes in the neuronal microenvironment (rats)
- R01HL-01803-20 0006 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Ultrastructure of induced coronary arteriosclerosis (rabbits)
- R01HL-05004-13 Sickle cell anemia (deer)
- ** P01HL-06285-14 0214 Cardiovascular-respiratory physiology and biochemistry - Membrane structure and function-EM of macromolecules
- ** P01HL-06349-13 0009 Cardiovascular disease clinical program project - Ultrastructure of pulmonary alveolar septal cells in hypertension (rats)
- P01HL-06370-13 0013 Cardiopulmonary and renal pathology research center - Cardiopulmonary, vascular and renal disease in man
- R01HL-07652-12 Destruction of red blood cells in hemolytic anemias (human, primates)
- ** P01HL-08682-11 0011 Regulation of the cardiovascular system - Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits)
- ** P01HL-08805-10 0028 Cardiovascular and pulmonary performance - Ultrastructural pathology of experimental cardiomyopathy (hamsters)
- ** P01HL-08886-11 0049 Radiology-physiology cardiovascular research - Scanning and transmission electron microscopic study of canine jugular veins
- ** R01HL-09125-10 Ultrastructural cytochemistry (human, rodents, rabbits)
- R01HL-09719-10 Dispersion of diffusible indicators in the body (human, cats, dogs)
- ** P01HL-10098-10 0024 Primates in cardiovascular research - Vascular structure and ultrastructure
- P01HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
- P01HL-10436-09 0004 Congenital heart disease - Myocardial performance and metabolism in hearts of small animals
- ** P01HL-10436-09 0010 Congenital heart disease - Electron microscopy in early embryogenesis (chick embryo)
- R01HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
- R01HL-11114-07 Electron microscopy of the juxtaglomerular apparatus (rats, rabbits)
- ** P01HL-11310-08 0032 Mechanisms of cardiovascular disease - Structure and function of the heart (human, dogs)
- P01HL-11310-08 0039 Mechanisms of cardiovascular disease - Biochemistry of the macromolecules of vascular tissue (chicks, human)
- P01HL-11351-08 Molecular, cellular, and physiological investigations
- R01HL-11822-06 Biophysical studies on macromolecular interactions (microorganism, plant, mammal)
- R01HL-12710-05 Fine structure of serum lipoproteins (pigs, human)
- ** P01HL-12738-06 0079 Physiologic pharmacology and its clinical applications - Microscopic studies on ventricular structure (human, dogs)
- P01HL-12738-06 0081 Physiologic pharmacology and its clinical applications - Ultrastructural and electrophysiologic alteration of myocardium
- ** P01HL-13262-02 0017 Arterial wall in atherosclerosis - Fine structure of hypertensive and atherosclerotic vessels (animals)
- R01HL-13532-04 Ultrastructure and lipid analysis of Hibernator Heart (animals)
- R01HL-13999-02 Integrated heart valve implant investigation (dogs, human)
- P17HL-14142-04 0005 Coagulation and cells in thrombosis and hemostasis - Electron microscopy of molecules (cattle)
- P17HL-14142-04 0006 Coagulation and cells in thrombosis and hemostasis - Ultramicroscopy of cell and vessel membrane activity (human, monkeys, dogs)
- ** P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding
- P17HL-14218-04 0006 Newborn lung center - Pulmonary biochemical characteristics in RDS (human, sheep, dogs)
- P17HL-14230-04 0068 Lipids, atherosclerosis and thrombosis - Growth of human endothelial cells in culture
- P17HL-14237-04 0004 Arteriosclerosis center - Subcellular mechanisms of lipoprotein metabolism (human, rats)
- P01HL-14322-03 0013 Interdisciplinary program in biomaterials science - Micro-analysis of fine structure in biological materials (mice, rats)
- ** P01HL-14810-03 0007 Cornell thrombosis research center - Ultrastructural analysis of complement platelet membrane interactions (rabbits)
- ** P17HL-15062-03 0003 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins-EM and fluorescence
- P01HL-15195-01 0002 Program project in biological materials - Structural and surface characterization (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HL-16117-01 0001 Ion movements and membranes in cardiovascular control - Developmental studies of contractile cell junctions (rats, guinea pigs)
- ** RO1HL-16276-01 Ultrastructure of the conduction system of the heart
- RO1HL-16363-01 Hypolipemic drug study-Ultrastructure and chemistry
- ** PO1HL-16769-01 0006 Pathobiologic and host defense reactions in the lung - Mononuclear and/or epithelioid cells from patients with sarcoidosis
- ** RO1HL-16805-01 Functional-ultrastructural study of microcirculation (rats)
- NO1HR-42917-01 Extracorporeal support for respiratory insufficiency (human)
- NO1HR-42919-00 Extracorporeal support for respiratory insufficiency (human)
- ** RO1NS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- ** RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- ** PO1NS-02808-13 0031 Special clinical research project in neuropathology - Histopathology and electron microscopy
- RO1NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
- ** PO1NS-03354-13 0009 Neurosensory center - Electron microscopy (human, animals)
- ** RO1NS-03989-12 Comparative study of nerve ultrastructure (animals)
- M RO1NS-05572-10 Ultrastructural basis of neuropsychiatric disease
- RO1NS-05572-10 0001 Ultrastructural basis of neuropsychiatric disease - Experimental allergic encephalomyelitis (rats, guinea pigs)
- ** RO1NS-05591-10 Electron microscopy of cerebral tissue (rats, monkeys, gerbils)
- RO1NS-00115-10 Anatomy of the auditory system (cats, rats)
- PO1NS-06208-09 0017 Epilepsy research program - Ultrastructural study of cerebral changes (cats, rats)
- RO1NS-06448-09 Pathogenesis of heredity neurological disorders (mice)
- ** PO1NS-06779-06 0015 Cerebrovascular clinical research center - Brain ultrastructure following ischemia and autolysis (human, monkeys)
- PO1NS-06827-08 0003 Integrated approaches to neurobiological problems - Morphological studies with EM (axolotl)
- PO1NS-06833-08 0008 Interdisciplinary stroke program - Neuropathologic studies of patients with sickle hemoglobin
- PO1NS-06833-08 0011 Interdisciplinary stroke program - Morphological studies of microcirculation of the brain stem (human)
- ** PO1NS-07464-07 0022 Laboratory of neurobiology - Myoepithelial cells of sylvius preopticules
- PO1NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
- ** RO1NS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
- M RO1NS-08952-06 EM cytopathology of organized CNS and PNS cultures
- RO1NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- ** RO1NS-09440-04 Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish)
- RO1NS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
- ** PO1NS-09823-04 0005 Communicative disorders clinical research center - Fine structure anatomy (bullfrogs, toads)
- ** PO1NS-10299-03 0015 Biophysical and biochemical studies of cellular membranes - Position sensitive proportional counter system for x-ray diffraction
- ** PO1NS-10299-03 0022 Biophysical and biochemical studies of cellular membranes - Microtubule structure and assembly (swine)
- PO1NS-10299-03 0023 Biophysical and biochemical studies of cellular membranes - Diversity of intercellular contacts in the rat ovary
- PO1NS-10299-03 0024 Biophysical and biochemical studies of cellular membranes - Septate-like junctions in the stratum granulosum and theca interna (rats)
- PO1NS-10299-03 0025 Biophysical and biochemical studies of cellular membranes - Granulosa and luteal cells in monolayer culture (swine)
- PO1NS-10299-03 0026 Biophysical and biochemical studies of cellular membranes - EM of membrane contract between killer lymphocytes and target tumor cells
- RO1NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
- ** RO1NS-10454-03 Electron microscopic studies of synaptogenesis (mice, frogs)
- RO1NS-10969-01 Electron microscopy of human muscle spindles
- ** RO1NS-10972-02 Basal forebrain organization (rats, sharks)
- RO1NS-10973-02 Anatomy and physiology of cerebellar pathways (animals)
- ** PO1NS-11066-01 0004 Fundamental studies in spinal cord injury - Neuropathological studies of spinal cord injuries (human, animals)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

- ** PO1NS-11631-01 0003 Clinical center for research on Parkinson's and allied diseases - Electron microscopy studies (animals)
- RO1NS-11650-01 Morphology of collateral nerve sprouting (cats)
- RO1NS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
- NO1NS-42308-00 Ultrastructure and affinity chromatography in multiple sclerosis (human)
- MO1RR-00049-13 0031 General clinical research center - Electron microscopy of argyrosis (human)
- ** PO7RR-00570-04 Electron microscope facility for biomedical research
- ** PO7RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)
- ** R24RR-00754-01 Emulsions and image intensifier for the HVEM
- PO7RR-00757-02 0025 Implementation of laboratory automation system - Measurements of spermatid nuclei in *Drosophila melanogaster*
- ** NO1RR-04136-09 Electron microscopy services to biomedical scientists

OPTICS, MICROSCOPY, ELECTRON, SREM*

- ** RO1GM-11852-11 Low-voltage electron microscopy

OPTICS, MICROSCOPY, ELECTRON SCANNING*

- PO1AI-11576-02 0007 Lymphocyte biology - Electron microscopy
- M RO1AM-10045-08 Urothelial microcontour, function and defenses
- ** RO1AM-10045-08 0001 Urothelial microcontour, function and defenses - Basic scanning electron microscopic techniques (human, dogs, rabbits)
- PO1AM-17040-01 0003 The basic defect in cystic fibrosis - Ultrastructure and histochemistry of CF cells (human, oysters)
- ** NO1DE-32419-01 Scanning electron microscopy of migrating embryonic cells (chick embryo)
- ** RO1GM-20869-01 Experimental 100 KEV proton scanning microscope
- RO1HL-01803-20 0007 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Scanning electron microscopy of induced arteriosclerosis (rabbits)
- ** PO1HL-08886-11 0049 Radiology-physiology cardiovascular research - Scanning and transmission electron microscopic study of canine jugular veins
- ** PO1NS-06779-06 0011 Cerebrovascular clinical research center - Ultrastructural studies on arteries (human, animals)
- ** PO7RR-00715-02 Electron microscope facility

OPTICS, MICROSCOPY, FIELD ION*

- RO1GM-14825-08 Conformation of tRNA and model oligonucleotides
- RO1GM-20869-01 Experimental 100 KEV proton scanning microscope

OPTICS, MICROSCOPY, FLUORESCENCE*

- ** RO1CA-11695-05 Photoelectron microscopy and biological surfaces
- ** PO1GM-16058-09 0001 Biosensor and subject monitoring system development - Fluorescence spectroscopy for biological probes
- PO1GM-18252-04 0001 Automation of ultramicroanalyses of macromolecules - Biophysical cytochemistry (human, mice)
- PO1GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
- ** RO1HL-12147-07 Histochemistry of early arteriosclerotic lesions
- ** RO1HL-12147-07 0004 Histochemistry of early arteriosclerotic lesions - Fluorescence microscopy with long wave exciting light
- ** RO1HL-12147-07 0005 Histochemistry of early arteriosclerotic lesions - Conventional fluorescence microscopy
- P17HL-14169-04 0009 Pulmonary disease center - Pulmonary immunology and immunopathology (rats, rabbits)

OPTICS, MICROSCOPY, FLYING SPOT*

- PO1GM-13244-10 Scanner-computer investigations of biological systems (microorganisms)

OPTICS, MICROSCOPY, IMMUNE ELECTRON*

- PO1AM-17040-01 0003 The basic defect in cystic fibrosis - Ultrastructure and histochemistry of CF cells (human, oysters)

OPTICS, MICROSCOPY, INTERFERENCE*

- ** PO1GM-18252-04 0006 Automation of ultramicroanalyses of macromolecules - Microspectrofractometry

OPTICS, MICROSCOPY, PHASE*

- RO1GM-18391-03 Field emission-Phase contrast electron microscopy
- MO1RR-00210-10 0042 General clinical research center - Maternal-child - Placental pathology-Phase contrast microscopy and fetal monitoring in labor

OPTICS, MICROSCOPY, PHOTOELECTRON*

- PO1GM-15423-07 0022 Molecular basis of control mechanisms - Photoelectric effect of biochemical and organic surfaces
- PO1GM-15423-07 0023 Molecular basis of control mechanisms - Photoelectron microscopy of organic surfaces

OPTICS, MICROSCOPY, TELEVISION*

- ** PO1GM-13244-10 Scanner-computer investigations of biological systems (microorganisms)
- RO1HL-15811-02 Small vessel pathophysiology in diabetes mellitus (dogs)
- RO1HL-16812-01 Respiratory distress syndrome and pulmonary edema (animals)

OPTICS, MICROSCOPY, ULTRASONIC*

- ** RO1GM-08522-12 Imaging systems for biological organisms
- ** RO1HL-16311-01 Microscopic evaluation of cardioactive drugs in vitro (mice)

OPTICS, MICROSCOPY, X-RAY*

- ** RO1GM-15038-08 A high resolution x-ray reflecting microscope

OPTICS, PHOTOGRAPHY*

SEE ALSO EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS

SEE ALSO ELECTRICAL MEASUREMENTS, POLAROGRAPHY*
SEE ALSO EYE EXAMINATIONS, RETINOGRAPHY*
SEE ALSO RADIOGRAPHY*

- R10CA-13669-02 Malignant melanoma group
- NO1CB-44011-00 Xeromammography versus film mammography (human)
- NO1CB-44012-00 Xeromammography versus film mammography (human)
- RO1EY-01008-02 Studies of retinal ischemia (human, monkeys)
- PO1HL-08974-10 0016 Natural and experimental atherosclerosis - Comparison of atherosclerotic lesions by objective grading
- RO1MH-23645-02 0005 Behavior-hormone changes in adolescence - Behavioral observational techniques (chimpanzee)
- R24RR-00754-01 Emulsions and image intensifier for the HVEM

OPTICS, PHOTOGRAPHY, CINEMATOGRAPHY*

- ** NO1AA-00023-00 Films entitled 'The Morning After'
- PO1AM-15515-03 0006 Psoriasis biology, psoriasisgenesis and lesion control - Therapeutic mechanism of sunlight
- PO1HD-04147-06 0001 Research in mental retardation - Behavioral program (human)
- RO1HL-16449-01 Microcirculation, hemofluidity and homeostasis (dogs)
- ** NO1MB-44083-00 Reproduction of prints for a film
- RO1MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams
- RO1MH-24656-01 The psychology of Black Gangs-Mental illness or mental health
- RO1NS-10577-02 0002 Normal and pathological human brain function - Memory aid on hypothesis behavior and focusing in Huntington's chorea (human)
- PO7RR-00003-13 0104 Medical data processing research - Teaching film for elementary sampling
- ** PO7RR-00757-02 0037 Implementation of laboratory automation system - Production of the film 'Smog patterns'

OPTICS, PHOTOGRAPHY, CINEMATOGRAPHY*

- ** RO1DE-02152-09 0004 Dental physiology and biophysics - Microcinematography of tooth pulp circulation (dogs)
- RO1DE-02152-09 0006 Dental physiology and biophysics - Measurement of pulp blood flow by tritiated water uptake
- PO1HL-10436-09 0009 Congenital heart disease - Pathophysiology and morphogenesis (human, chick embryos)
- ** RO1HL-15036-01 In vitro cinephotography using a laser light source

OPTICS, PHOTOGRAPHY, HOLOGRAPHY*

- SEE ALSO COMPUTER, OPTICAL DATA STORAGE
- ** PO2CA-06294-13 0010 Radiotherapy research - Radiation physics (human, mammals nonhuman)
- RO1EY-00275-08 Ultrasonic measurement of optical dimensions (human, monkeys, cats)
- RO1EY-00318-06 Lasers in ophthalmic diseases (human, monkeys)
- ** RO1EY-01312-01 Holographic stress-testing of the surgical cornea (rabbits)
- ** RO1FD-00659-02 A clinical evaluation of ultrasonic holography
- RO1GM-08522-12 Imaging systems for biological organisms
- RO1GM-16474-06 Acoustic-optical interaction for image reconstruction
- RO1GM-18391-03 Field emission-Phase contrast electron microscopy
- ** RO1GM-20834-01 Acoustical holography medical imaging
- PO1GM-21017-01 0012 Diagnostic radiology method development - Xenon filled chambers and Fresnel zone plates for radionuclide imaging
- RO1GM-21189-01 Structural studies of biological complexes
- PO1HL-07293-13 0028 Cardiovascular instrumentation research and development - Synthetic aperture techniques (models)

(contd)

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01HL-11351-08 Molecular, cellular, and physiological investigations
 R01HL-16449-01 Microcirculation, hemofluidity and hemostasis (dogs)
 M P01MH-12970-08 What makes man human-Trans or subcortical association

OPTICS, PHOTOGRAPHY, STEREOPHOTOGRAPHY*

- P01DE-02872-05 0024 Craniofacial anomalies - Biosterometrics (children)
 R01EY-01248-01 Computer mapping of the optic nerve head (human)
 ** R01HL-15888-01 Comparative stereology of the myocardium (birds, mammals)
 P07RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)

OPTICS, PHOTOMICROGRAPHY*

- P01GM-13244-10 Scanner-computer investigations of biological systems (microorganisms)
 R01GM-18619-02 High resolution biological electron microscopy
 ** R01GM-20291-02 Digital microphotometry and biomedical image analysis
 ** P01HD-05797-04 0034 Population and reproductive biology - Histology and photography
 ** N01HD-42815-00 Microfiling of National Fertility Study questionnaires
 R01HL-15239-01 Growth in vascular grafts (dogs, cattle)

OPTICS, THERMOGRAPHY*

- R18CA-16405-01 0001 Development of regional cancer control program - Endocrine studies in breast cancer screening (human)
 N01CB-23872-05 Ultrasound mammography
 ** N01CN-35027-02 Evaluation of thermography in mass screening for breast cancer (human)
 ** R01GM-10797-09 0009 Pattern recognition in clinical medical laboratories - Thermography
 R01NS-10597-02 Responses of thermosensitive cells to biogenic amines (rats, ground squirrels)
 ** P01NS-10828-01 0012 An interdepartmental stroke program - Detection of cerebral vascular abnormalities in asymptomatic patients

OPTOMETRISTS, OPTOMETRY

SEE HEALTH SCIENCES PROFESSIONS, OPTOMETRISTS

ORAL ADMINISTRATION

SEE DOSAGE AND ROUTE, ROUTE OF ADMINISTRATION

ORAL AIRFLOW MEASUREMENT

SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*

ORAL BEHAVIOR

SEE DENTISTRY, BRUXISM
 SEE PSYCHOLOGY, BEHAVIOR, SUCKING

ORAL DIAGNOSIS*

SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY

SEE ALSO DENTAL VISUALIZATION*

- ** R01DE-03969-01 Infrared ommissivity of teeth and intraoral mucosa
 N01DE-12379-06 Study NH4 F mouthrinse versus high potency fluoride rinse (human)
 ** N01DE-22030-05 Evaluation of intraoral test of human cariogenicity

ORAL-FACIAL-CRANIAL ANOMALIES

SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

ORAL-FACIAL RESTORATION

SEE ALSO DENTAL TRANSPLANTATION

SEE ALSO ORAL SURGERY

- ** P02CA-06294-13 0018 Radiotherapy research - Dental program (human, monkeys)
 ** P02CA-08023-10 0065 Cancer clinical research center - Maxillofacial prosthetics
 P02CA-13148-03 0011 Pilot cancer center - Regional maxillofacial prosthetics
 R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)
 N01CN-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)
 N01CN-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)
 N01CN-45133-01 Demonstration of cancer rehabilitation facilities and/or department (human)
 P01DE-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
 ** P01DE-00853-17 0002 Diagnostic and prognostic techniques in cleft palate - Maxillofacial growth project (dogs, tamarins, rats)
 P01DE-00853-17 0003 Diagnostic and prognostic techniques in cleft palate - Speech physiology project (children, adults)
 M P01DE-01697-12 Interdisciplinary studies in cleft palate
 ** P01DE-01697-12 0012 Interdisciplinary studies in cleft palate - Comparison of two surgical techniques (human)

- ** P01DE-01697-12 0014 Interdisciplinary studies in cleft palate - Attitudes of children, adolescents, young adults and their parents
 ** P01DE-01697-12 0026 Interdisciplinary studies in cleft palate - Children with simple palatal closure compared to those with lengthening
 M P01DE-01899-12 Habituation of the cleft palate individual
 ** P01DE-01899-12 0003 Habituation of the cleft palate individual - Speech pathology
 M P02DE-02172-10 Oral-facial communicative disorders
 P01DE-02872-05 0018 Craniofacial anomalies - Data bank (human)
 P01DE-02872-05 0023 Craniofacial anomalies - Premature craniofacial synostoses (human)
 P01DE-02872-05 0024 Craniofacial anomalies - Biosterometrics (children)
 ** P01DE-02872-05 0026 Craniofacial anomalies - Management of otitis media in infants with clefts
 P01DE-02872-05 0029 Craniofacial anomalies - Speech and hearing testing (children, young adults)
 P01DE-02872-05 0031 Craniofacial anomalies - Oral sensation and perception in patients with orofacial malformations
 P01DE-02873-06 Facial and dental growth in pre and post adolescents
 ** P01DE-02918-06 0004 Oral-facial growth and development in primates - Production and treatment of cleft lip and palate (M mulatta)
 M P01DE-03568-01 Craniofacial anomalies-etiologic and treatment
 ** P01DE-03568-01 0001 Craniofacial anomalies-etiologic and treatment - Ocular hypertelorism (children)
 ** P01DE-03568-01 0002 Craniofacial anomalies-etiologic and treatment - Hypoplasia of the midface
 ** P01DE-03568-01 0003 Craniofacial anomalies-etiologic and treatment - Asymmetrical facial anomalies
 ** P01DE-03568-01 0004 Craniofacial anomalies-etiologic and treatment - Underdevelopment of the mandible
 ** R01DE-03794-02 Surgical-orthodontics and bone healing (monkeys)
 R01DE-03860-01 Maxillofacial materials
 R13DE-03935-01 Selection of materials for reconstructive surgery
 ** N01DE-42435-00 Development of improved materials for extraoral maxillofacial prosthesis
 N01DE-42436-00 Materials for extraoral maxillofacial prosthesis

ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

SEE ALSO DENTAL PROSTHESIS

- ** P01DE-00853-17 0003 Diagnostic and prognostic techniques in cleft palate - Speech physiology project (children, adults)
 ** P01DE-01899-12 0002 Habituation of the cleft palate individual - Orthodontics (human)
 P02DE-02172-10 0002 Oral-facial communicative disorders - Surgery (children)
 P02DE-02172-10 0003 Oral-facial communicative disorders - Dentistry (children)
 P02DE-02172-10 0004 Oral-facial communicative disorders - Speech and hearing (children)
 ** P13DE-02668-08 0006 Dental research center - Growth mechanisms-Experimental maxillary orthopedics (human)
 P01DE-02872-05 0029 Craniofacial anomalies - Speech and hearing testing (children, young adults)

ORAL-FACIAL RESTORATION, PROSTHODONTICS

SEE ALSO DENTAL PROSTHESIS

SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

- R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)
 N01CN-45048-00 Training program for maxillofacial prosthodontists and laboratory technicians
 ** N01CN-45101-00 Training programs for maxillofacial prosthodontists and dental technicians
 ** N01CN-45113-00 Training programs for maxillofacial prosthodontists and dental technicians
 ** N01CN-45114-00 Training programs for maxillofacial prosthodontists and maxillofacial technician
 P01DE-01697-12 0015 Interdisciplinary studies in cleft palate - Educational program
 ** P02DE-02172-10 0003 Oral-facial communicative disorders - Dentistry (children)
 P01DE-02918-06 0010 Oral-facial growth and development in primates - Nonbiologic implant support for overdentures
 ** R01DE-03631-01 Physiological study of speech adaptation (human)

ORAL-FACIAL RESTORATION MATERIALS

- ** N01DE-42436-00 Materials for extraoral maxillofacial prosthesis

ORAL HEALTH

SEE DENTAL HEALTH (ORAL HEALTH)

ORAL-PHARYNGEAL (REGION)

SEE ALSO DENTAL STRUCTURE

- P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)

- ** P01DE-00853-17 0002 Diagnostic and prognostic techniques in cleft palate - Maxillofacial growth project (dogs, tamarins, rats)
 P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)
 P13DE-02668-08 0024 Dental research center - Hemostatic mechanisms
 ** P01DE-02847-06 0017 Microbial ecology and its relation to dental disease - Bacterial adherence and tissue production of pathogenic bacteria (human)
 R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
 ** P01NS-06459-09 0078 Communication sciences - Intraoral air pressure recordings during speech activity
 ** R01NS-08604-06 Oral pharyngeal reflexes (cats, human)
 R01NS-10154-03 Swallowing in the developing and mature nervous system (cats, primates)

ORAL-PHARYNGEAL, JAW

SEE ALSO DENTAL STRUCTURE

- P01DE-02849-06 0018 Mechanism and treatment of periodontal disease - Radioisotope scanning techniques and mineral metabolism of alveolar bone (human)
 R01DE-02862-09 Growth and development of the human head
 P01DE-02872-05 0022 Craniofacial anomalies - Genetics of the Pierre Robin syndrome (human)
 • P01DE-02872-05 0033 Craniofacial anomalies - The architectonics of craniofacial skeleton in Pierre Robin syndrome (children)
 R01DE-03227-03 Immediate metal implants into extraction sockets (dogs, baboons)
 ** R01DE-03598-02 Dentofacial effects of forces to retract the maxilla (human)
 P01DE-03695-02 0004 Occlusion research program - Occlusal contacts and forces in the natural dentition (human)
 P01DE-03695-02 0007 Occlusion research program - Forces and jaw relationships in orthodontics (human)
 R01NS-10654-01 Dynamic properties of speech sensorimotor systems (human)

ORAL-PHARYNGEAL, JAW, MANDIBLE

- P01AM-15671-04 0047 The biology of skeletal and other connective tissues - Biosynthesis of collagen crosslinks (chicks)
 P01DE-01899-12 0002 Habituation of the cleft palate individual - Orthodontics (human)
 ** R01DE-02309-08 Comparative anatomy of feeding organs (mammals, reptiles)
 ** P01DE-02872-05 0004 Craniofacial anomalies - Shape and growth of mandible in mandibulofacial dysostosis (human)
 ** P01DE-02872-05 0013 Craniofacial anomalies - Growth studies in Pierre Robin syndrome (human)
 P01DE-02872-05 0021 Craniofacial anomalies - Otocephalic syndromes (human)
 P01DE-02918-06 0001 Oral-facial growth and development in primates - Dental developmental genetics (Papio, Maccaca)
 R01DE-02931-08 Morphology of periodontal and temporomandibular joint (primates)
 ** R01DE-03500-09 Investigation of the functional mandibular movements (human)
 P01DE-03568-01 0003 Craniofacial anomalies-etiologic and treatment - Asymmetrical facial anomalies
 ** P01DE-03568-01 0004 Craniofacial anomalies-etiologic and treatment - Underdevelopment of the mandible
 R01DE-03631-01 Physiological study of speech adaptation (human)
 R01DE-03794-02 Surgical-orthodontics and bone healing (monkeys)
 ** R23DE-03854-01 Dental lamina regeneration in salamander jaws
 R01HD-00157-13 Variation during child growth (human)
 P18HL-15997-02 0012 A comprehensive hospital-community sickle cell center - Pathophysiologic changes within the maxilla in sickle cell disease (human)
 P01NS-11780-01 0003 Neuromuscular mechanisms underlying speech production - Facial and mandibular motor reflexes

ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

- R01DE-02858-15 Facial growth studies with metallic implants (human)
 P01DE-02918-06 0007 Oral-facial growth and development in primates - Mastication (M nemestrina)
 P01DE-02918-06 0011 Oral-facial growth and development in primates - Unilateral condylar hypoplasia and facial symmetry (M nemestrina)
 R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)

ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT

- ** R01DE-02309-08 Comparative anatomy of feeding organs (mammals, reptiles)
 ** R01DE-02862-09 Growth and development of the human head
 ** R01DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)

(contd)

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**Oriented significantly to above subject.

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- PO1DE-02918-06 0002 Oral-facial growth and development in primates - Prenatal and postnatal craniofacial development (Macaca, Papio)
- ** PO1DE-02918-06 0006 Oral-facial growth and development in primates - Temporomandibular joint response to loading forces (M nemestrina)
- PO1DE-02918-06 0011 Oral-facial growth and development in primates - Unilateral condylar hypoplasia and facial symmetry (M nemestrina)
- ** RO1DE-02931-08 Morphology of periodontal and temporomandibular joint (primates)
- RO1DE-03221-03 Chronic trauma from occlusion in periodontal disease (monkeys)
- PO1DE-03695-02 0002 Occlusion research program - Quantitated traumatic occlusal forces in periodontitis (monkeys)
- ** R23DE-03746-02 Neural mechanisms of temporomandibular joint kinesthesia (cats)
- RO1DE-03764-01 Atypical facial pain and disturbed oral sensation (human)
- RO1NS-08604-06 Oral pharyngeal reflexes (cats, human)
- ORAL-PHARYNGEAL, JAW MOVEMENT**
SEE ALSO DENTISTRY, MASTICATION
- PO1DE-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
- RO1DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)
- ** RO1DE-03500-09 Investigation of the functional mandibular movements (human)
- PO1DE-03568-01 0003 Craniofacial anomalies-etiologies and treatment - Asymmetrical facial anomalies
- PO1DE-03610-08 0007 Cranio-facial growth and development - Occlusal development (human)
- ** R23DE-03746-02 Neural mechanisms of temporomandibular joint kinesthesia (cats)
- R03MH-24518-01 Classical-classical transfer of training effects (rabbits)
- ** RO1NS-08596-06 Neural processes in somatic movement (monkeys)
- RO1NS-08604-06 Oral pharyngeal reflexes (cats, human)
- ** PO1NS-11780-01 0001 Neuromuscular mechanisms underlying speech production - Movement parameters of the lips and jaw for speech
- ** PO1NS-11780-01 0002 Neuromuscular mechanisms underlying speech production - Lip and jaw mechanics
- PO1NS-11780-01 0003 Neuromuscular mechanisms underlying speech production - Facial and mandibular motor reflexes
- PO1NS-11780-01 0004 Neuromuscular mechanisms underlying speech production - Voluntary control (primates, human and nonhuman)
- PO7RR-00015-12 0069 Medical school computer facility - Dental pantograph recording
- ** PO7RR-00267-09 0101 Biomedical data processing unit - Quantitation of jaw function
- ORAL-PHARYNGEAL, LIPS**
SEE ALSO ORAL-PHARYNGEAL DISORDERS, CHEILITIS
- P13DE-02668-08 0001 Dental research center - Mechanisms of vocalization (human)
- ** PO1DE-02918-06 0012 Oral-facial growth and development in primates - Surgical lengthening of superior lip (Erythrocebus patas)
- RO1NS-10654-01 Dynamic properties of speech sensorimotor systems (human)
- ** PO1NS-11780-01 0001 Neuromuscular mechanisms underlying speech production - Movement parameters of the lips and jaw for speech
- ** PO1NS-11780-01 0002 Neuromuscular mechanisms underlying speech production - Lip and jaw mechanics
- ORAL-PHARYNGEAL, MOUTH**
- RO1AI-08477-05 Alimentary canal of Aedine mosquitoes
- PO2CA-08480-09 0015 Childhood cancer research center - Ecology of microbial flora in leukemia patients
- M PO1DE-01766-12 Ultrastructure and physiology of oral mucosa
- ** PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- RO1DE-01784-12 Interactions of the oral microbiota (rabbits, mice)
- P13DE-02600-08 0018 Planning of a research center in oral biology - Keratinization of epidermis and oral epithelium
- P13DE-02623-08 0017 Center for oral health research - Growth, morphology and lactic acid metabolism of bacteria
- P13DE-02623-08 0018 Center for oral health research - Biochemistry of morphogenesis in oral micro-organisms (rats)
- P13DE-02623-08 0019 Center for oral health research - Analytical serology of the oral streptococci
- P13DE-02623-08 0025 Center for oral health research - Molecular structure of oral tissues
- ** P13DE-02623-08 0026 Center for oral health research - Molecular biology of oral bacteria
- ** P13DE-02623-08 0027 Center for oral health research - Immunobiology of the oral cavity
- P13DE-02623-08 0029 Center for oral health research - Interaction of oral bacteria and inflammatory cells (rats, human)
- P13DE-02668-08 0017 Dental research center - Structure and function of the oral sensory apparatus (human)
- RO1DE-03041-03 Immunologic factors in oral disease (rats)
- RO1DE-03368-03 Submandibular gland growth factors and oral tissues (rats, mice)
- ** RO1DE-03927-01 Experimental studies on orofacial development (baboons, monkeys)
- ** RO1DE-03934-01 Differentiation of oral epithelium (rats)
- NO1DE-22401-02 Fetal and infantile development of oral sensory receptors in primates
- R03MH-25945-01 The satiation of hunger (rats)
- ORAL-PHARYNGEAL, NASOPHARYNX**
- PO1CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)
- PO1DE-00853-17 0003 Diagnostic and prognostic techniques in cleft palate - Speech physiology project (children, adults)
- PO1DE-02872-05 0029 Craniofacial anomalies - Speech and hearing testing (children, young adults)
- ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS**
- PO1DE-01899-12 0002 Habituation of the cleft palate individual - Orthodontics (human)
- PO1DE-01899-12 0003 Habituation of the cleft palate individual - Speech pathology
- ** RO1HD-07403-02 Indications for tonsillectomy and adenoidectomy
- ORAL-PHARYNGEAL, PALATE**
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PALATOPHARYNGEAL ABNORMALITIES
- SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
- PO1DE-01697-12 0002 Interdisciplinary studies in cleft palate - Velopharyngeal valving mechanism (human)
- PO1DE-01697-12 0007 Interdisciplinary studies in cleft palate - Techniques for evaluating velopharyngeal competency (human)
- ** P13DE-02668-08 0014 Dental research center - Growth mechanisms (mice, rabbits)
- RO1DE-02774-07 Tissue interaction in dental development (mice)
- PO1DE-02847-06 0009 Microbial ecology and its relation to dental disease - Intraoral localization of bacteria (human)
- ** PO1DE-02848-06 0021 Biology of connective tissue, bones and teeth - Mechanisms of closure during mammalian secondary palate (rats)
- ** RO1DE-02852-07 Development of the palate and lip (mice, rats, rabbits)
- RO1DE-02863-07 Differentiation of embryonic tooth rudiments in vitro (mice)
- PO1DE-02918-06 0001 Oral-facial growth and development in primates - Dental developmental genetics (Papio, Macaca)
- RO1DE-03318-03 Biochemistry of surgically wounded palatal mucosa (rats, human)
- RO1DE-03631-01 Physiological study of speech adaptation (human)
- ** RO1DE-03897-01 Human secondary palate formation (mice)
- ** PO1HD-05221-05 0016 Center grant in mental retardation - Contractile proteins and neurite formation (mice)
- RO1NS-10654-01 Dynamic properties of speech sensorimotor systems (human)
- ORAL-PHARYNGEAL, PHARYNX**
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PALATOPHARYNGEAL ABNORMALITIES
- SEE ALSO ORAL-PHARYNGEAL, NASOPHARYNX
- PO2CA-08480-09 0015 Childhood cancer research center - Ecology of microbial flora in leukemia patients
- ** PO1CA-14043-01 0011 Radiation therapy clinical and research center - Alternative lymphatic drainage of pharynx and larynx
- ** PO1DE-01697-12 0002 Interdisciplinary studies in cleft palate - Velopharyngeal valving mechanism (human)
- PO1DE-01697-12 0007 Interdisciplinary studies in cleft palate - Techniques for evaluating velopharyngeal competency (human)
- PO1DE-01697-12 0025 Interdisciplinary studies in cleft palate - Tongue postures in subjects with velopharyngeal valving problems
- NO1HD-42869-01 Development of mucosal sensory receptors (human, monkeys)
- ** PO1HL-08886-11 0057 Radiology-physiology cardiovascular research - Changes in the upper airway morphology due to obstruction (dogs)
- P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
- ** P17HL-15098-03 0008 Special center of research - Environmental lung disease - Histo- and cytopathology of nasal and pharyngeal tissues (monkeys)
- R03MH-25945-01 The satiation of hunger (rats)
- ** RO1NS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
- RO1NS-09654-04 Genetic variants of synaptic proteins (nematodes)
- ** MO1RR-00633-02 0034 General clinical research center - Clearance of radiolabeled bacteria from upper respiratory tract (human)
- ORAL-PHARYNGEAL, PHARYNX, TONSILS**
- RO1AI-11611-01 Clinical virology of Epstein-Barr virus infections (human)
- ** RO1AM-13535-06 Cytology of central lymphoid tissue (human, chickens, rabbits, mice)
- PO1CA-12707-03 0004 Cancer epidemiology program grant - Leukemia-lymphoma-multiple myeloma (human)
- ** RO1HD-07403-02 Indications for tonsillectomy and adenoidectomy
- ORAL-PHARYNGEAL, SALIVA**
- RO1AI-07763-08 Antimicrobial effect of peroxidase in leucocytes (human)
- RO1AM-02290-15 Source and significance of gastric juice potassium (human, dogs)
- RO1AM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)
- PO1AM-08305-11 0001 Cystic fibrosis and pulmonary disease - Biochemistry of enzyme secretions (human, rats)
- RO1AM-13660-04 Pathology of biomedical disorders in vitro
- RO1AM-16431-02 0001 Gastritis induced by intestinal juices - Effects of intestinal juices on whole stomach preparations (dogs)
- PO1AM-17040-01 0001 The basic defect in cystic fibrosis - Ciliary inhibitor isolation and characterization (human, oysters, dogs)
- RO1AM-17524-01 0001 Role of ciliostatic factor in cystic fibrosis - Isolation of the ciliostatic factor (human)
- RO1AM-17524-01 0002 Role of ciliostatic factor in cystic fibrosis - Ciliostatic reversal by heparin therapy (human, oysters)
- RO1AM-17524-01 0005 Role of ciliostatic factor in cystic fibrosis - Biogenic amine binding to carbohydrases and ciliostasis (human)
- RO1DE-01554-13 Dental calculus-Composition and formation (human, rats)
- PO1DE-01850-11 0027 Fluoride metabolism - Fluoride levels of patients
- ** RO1DE-02120-10 Salivary gland DNases (rats)
- RO1DE-02183-10 Chemistry of enamel surface (human)
- RO1DE-02452-08 Acid production and dental plaque (human)
- RO1DE-02659-08 0004 Solubility and diffusion of calcium phosphates - Mechanism of dental caries (models)
- PO1DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
- ** RO1DE-02934-05 Variability in chemical constituents of oral fluids (human)
- ** RO1DE-03041-03 Immunologic factors in oral disease (rats)
- ** RO1DE-03187-04 Transport in enamel and solubility of fluoridated apatites (human)
- ** RO1DE-03327-03 Drug movement into saliva (rats)
- ** RO1DE-03430-02 Interactions of saliva proteins and bacteria
- ** RO1DE-03433-03 Studies on proline-rich salivary proteins (human)
- RO1DE-03480-03 Capillary phenomena related to caries sites
- RO1DE-03480-03 Microbial composition of dental plaque
- RO1DE-03611-03 Dental caries and immunoglobulin A (human, rabbits)
- ** PO1DE-03841-01 0010 Host response in dental disease - Saliva studies in Macaca speciosa
- ** RO1DE-03915-01 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
- RO1DE-03916-01 Inhibitors of mineral formation in saliva and plaque (human)
- NO1DE-22003-05 Study dental caries etiology in Papua, New Guinea
- RO1ES-00880-02 Taste of water-Effects of solutes and adaptation (human, rats)
- PO1GM-16436-06 0031 Bioengineering program project - Optical and ultrasonic propagation analysis in tissue
- ** PO1GM-16496-06 0019 Clinical pharmacology-Pharmacokinetics - Saliva studies in uremic subjects
- PO1GM-16496-06 0046 Clinical pharmacology-Pharmacokinetics - Theophylline dosing in asthmatics (human)
- PO1GM-16496-06 0047 Clinical pharmacology-Pharmacokinetics - Quinidine maintenance therapy in atrial arrhythmias (human)
- RO1GM-19178-03 Genetic and biochemical studies of human amylase
- PO1GM-19489-03 0021 Study of human genetics - Linkage study of Tay-Sachs disease locus
- PO1GM-19489-03 0028 Study of human genetics - The role of nerve growth factor in familial dysautonomia
- ** PO1GM-21054-01 0006 Human genetics center - Salivary proteins
- RO1HD-01831-09 Factors maintaining biochemical polymorphisms
- ** P17HL-14148-04 0007 Hypertension center - Salivary composition in hypertension (human)
- ** R03MH-22608-01 Mouth fluid environment and taste preference (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01NS-03469-13 Neurological bases of feeding and drinking (rats)
- M01RR-00645-03 0006 Clinical research center - Malignant hypertension (human)
- ** M01RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
- ORAL-PHARYNGEAL, SALIVARY GLANDS**
SEE ALSO ORAL SURGERY, SALIVADENECTOMY
- R01AI-11798-01 Latency and reactivation of cytomegalovirus infection (mice)
- P01AM-08305-11 0001 Cystic fibrosis and pulmonary disease - Biochemistry of exocrine secretions (human, rats)
- ** P01AM-09650-10 0005 Hormonal and ionic control of metabolism - Electrical and secretory events in fly salivary gland
- ** P17AM-17026-01 0002 Vanderbilt University Diabetes-Endocrinology Center - Epidermal growth factor (mice)
- ** R01CA-08373-09 Factors controlling cellular proliferation (mice)
- P02CA-08480-09 0003 Childhood cancer research center - Structure and function of lactoperoxidase (rats, mice)
- P01CA-12227-04 0003 Core program in carcinogenesis - Cellular proliferation in mammalian cells
- P02CA-13696-02 0065 Clinical cancer research center - Chromosomes and carcinogenesis (rats)
- ** R01CA-15276-01 Induction and culture of EGF-dependent skin tumors (mice)
- R01CA-15486-01 Cancer and macroglobulinemia (NZ mice, human)
- R01DE-01554-13 Dental calculus-Composition and formation (human, rats)
- R01DE-01701-12 Oral pathology-Electron microscopy (human, dogs, rats, rabbits, snails)
- P01DE-01945-11 0003 Ultrastructure of hard tissue - Dental studies (human, rats)
- M R01DE-02110-10 Study of salivary gland structure and function
- ** R01DE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
- ** P13DE-02600-08 0008 Planning of a research center in oral biology - Nutrients and oral and paraoral structure (rats)
- P13DE-02600-08 0009 Planning of a research center in oral biology - ion transport in salivary glands (dogs, rabbits)
- P13DE-02668-08 0002 Dental research center - Growth mechanisms (rats)
- ** P13DE-02668-08 0022 Dental research center - Growth mechanisms
- P13DE-02731-08 0005 Development support for dental research institute - Dental research (rats, cattle, human)
- ** P13DE-02731-08 0006 Development support for dental research institute - Dental research experimental pathology (human, rats, mice, rabbits)
- ** P01DE-02848-06 0010 Biology of connective tissue, bones and teeth - Genetic regulation during salivary gland development (rabbits, mice)
- ** P01DE-02848-06 0011 Biology of connective tissue, bones and teeth - Translational regulation during cranial facial development (rats)
- ** P01DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
- P01DE-02848-06 0019 Biology of connective tissue, bones and teeth - Vascularization and avascularization (chick embryo, rabbits, hamsters)
- ** R01DE-02879-05 Ion transport in salivary glands (cats)
- ** R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
- R01DE-03235-03 Cellular differentiation studies in salivary glands (rabbits, chickens)
- ** R01DE-03348-03 Altered RNA metabolism on salivary glands
- ** R01DE-03774-01 Lipids of the salivary glands (rats)
- ** R23DE-03909-01 Ultrastructure of mucous secreting salivary glands
- R23DE-03933-01 Epithelial-mesenchymal contacts in cytodifferentiation
- ** R23DE-03945-01 Salivary peroxidase and the genetics of oral disease
- ** R01DE-04081-01 Intracellular calcium metabolism in salivary glands
- R01GM-13631-09 Comparative studies on induced mutation in *Drosophila*
- R01GM-15692-07 Red cell ion transport and lipid bilayers (human, dogs, flies)
- ** P01GM-16593-06 0016 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Deiodination and secretion of contrast media by salivary glands (human, dogs)
- R01GM-19289-03 Microfilaments, morphogenesis, and cytodifferentiation
- P01HD-02147-08 0002 Extruterine growth and development - Cellular division (mice)
- R01HD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
- R01HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
- P01NS-11631-01 0060 Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline in sympathetically innervated tissues (rats)
- M01RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)
- ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID**
- ** R01AM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)
- R01AM-06365-12 Exocrine gland function in cystic fibrosis (human, rats)
- R01AM-10451-09 Enzyme secretion and its metabolic control (rats)
- R01AM-12722-06 Characterization of human isoamylases (also animals)
- ** P01AM-13385-06 0001 Cystic fibrosis - Development of secretory capacity in exocrine glands (rats)
- R01AM-13845-05 Water and electrolyte movement in renal tubules (rats, frogs)
- R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- R01AM-15393-04 Ion-exchange calcium electrodes (human, rabbits, dogs)
- R01DE-01554-13 Dental calculus-Composition and formation (human, rats)
- P01DE-01850-11 0027 Fluoride metabolism - Fluoride levels of patients
- ** R01DE-02120-10 Salivary gland DNases (rats)
- ** P13DE-02600-08 0004 Planning of a research center in oral biology - Control of the formation of cell-specific proteins (rats)
- ** P13DE-02600-08 0005 Planning of a research center in oral biology - Human parotid proteins
- ** P13DE-02600-08 0014 Planning of a research center in oral biology - Membrane biosynthesis and degradation in parotid gland
- P13DE-02668-08 0022 Dental research center - Growth mechanisms
- ** R01DE-02678-07 Isoproterenol-stimulated salivary gland (mice)
- ** R01DE-02879-05 Ion transport in salivary glands (cats)
- ** R01DE-02934-05 Variability in chemical constituents of oral fluids (human)
- R01DE-03433-03 Studies on proline-rich salivary proteins (human)
- ** R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
- R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- ** R01DE-03666-01 Parotid gland secretion following X-irradiation (human)
- P01GM-21054-01 0006 Human genetics center - Salivary proteins
- M01RR-00039-14 0052 General clinical research center - Biological active peptides in animal tissues (monkeys, cattle)
- ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL**
- ** R01DE-03665-02 Sublingual structures in primates
- ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR**
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- R01AM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)
- R01AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
- ** P01AM-13385-06 0001 Cystic fibrosis - Development of secretory capacity in exocrine glands (rats)
- ** R01AM-13490-04 Chemistry of submandibular mucin in cystic fibrosis (human)
- R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- P17AM-17026-01 0002 Vanderbilt University Diabetes-Endocrinology Center - Epidermal growth factor (mice)
- ** R01CA-11155-06 Salivary gland hyperplasia and hypertrophy
- ** R01CA-17038-01 Postnatal determination of the submandibular gland (rats)
- R01DE-01554-13 Dental calculus-Composition and formation (human, rats)
- R01DE-02678-07 Isoproterenol-stimulated salivary gland (mice)
- ** R01DE-03368-03 Submandibular gland growth factors and oral tissues (rats, mice)
- ** R23DE-03582-02 Glycoproteins of transformed salivary glands (rats)
- R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- R01HD-00700-11 Epidermal growth factor (mice, human)
- P01HD-03015-08 0013 Program for developmental biology - Dissociated and cultured nerve cells-Growth factors (mice, chickens)
- P01HD-05797-04 0022 Population and reproductive biology - Epidermal growth factor (mice)
- ** P17HL-14192-04 0004 Specialized center of research in hypertension - Salivary gland enzymes and blood pressure regulation (mice)
- P01NS-11631-01 0060 Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline in sympathetically innervated tissues (rats)
- ORAL-PHARYNGEAL, SALIVATION**
- ** R01AM-15564-03 0004 Secretion and hormonal integration of exocrine organs - Kinetics of taste and salivary response as model of chemoreception in gut (human)
- P01GM-16593-06 0016 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Deiodination and secretion of contrast media by salivary glands (human, dogs)
- R01MH-22319-02 External and internal factors in food regulation
- R03MH-22608-01 Mouth fluid environment and taste preference (rats)
- ORAL-PHARYNGEAL, TONGUE**
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE
- R01CA-12104-02 Kinetics of epithelial repair after irradiation (mice)
- P01DE-01697-12 0002 Interdisciplinary studies in cleft palate - Velopharyngeal valving mechanism (human)
- ** P01DE-01697-12 0003 Interdisciplinary studies in cleft palate - Tongue (human)
- ** P01DE-01697-12 0025 Interdisciplinary studies in cleft palate - Tongue postures in subjects with velopharyngeal valving problems
- P01DE-01774-13 Research program on dynamics of speech articulation (human)
- P01DE-02847-06 0009 Microbial ecology and its relation to dental disease - Intraoral localization of bacteria (human)
- P01DE-02872-05 0013 Craniofacial anomalies - Growth studies in Pierre Robin syndrome (human)
- P01DE-02872-05 0022 Craniofacial anomalies - Genetics of the Pierre Robin syndrome (human)
- P01DE-02872-05 0029 Craniofacial anomalies - Speech and hearing testing (children, young adults)
- R01DE-03631-01 Physiological study of speech adaptation (human)
- R01DE-03739-02 Taste receptor interactions (rat, cattle, swine)
- R01DE-03934-01 Differentiation of oral epithelium (rats)
- P01NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapods, cats)
- ** R01NS-10137-03 Upper and lower motoneurons (Boa constrictor)
- R01NS-10654-01 Dynamic properties of speech sensorimotor systems (human)
- R01NS-11713-01 Functional studies of the vomeronasal system (snakes)
- ** P07RR-00679-02 0011 Biotechnology resource in electronprobe analysis - Taste bud pores (rabbits)
- ORAL-PHARYNGEAL DISORDERS (GENERAL)**
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
- SEE ALSO DENTAL DISORDERS
SEE ALSO ORAL-PHARYNGEAL HYPERPLASIA
SEE ALSO ORAL-PHARYNGEAL NEOPLASMS
SEE ALSO ORAL SURGERY
- M P01DE-01770-12 Oral pathology
- ** P01DE-01770-12 0006 Oral pathology - Computer scanning of histopathological specimens of oral diseases (human)
- ** M01RR-00107-11 0040 General clinical research center - Etiology of periodic oral syndromes (human)
- ** M01RR-00107-11 0046 General clinical research center - Oral sensation disorders (human, rats)
- ORAL-PHARYNGEAL DISORDERS, CHEILITIS**
- P01DE-01770-12 0004 Oral pathology - Candida albicans infections (human)
- ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME**
- ** R01DE-03764-01 Atypical facial pain and disturbed oral sensation (human)
- M01RR-00107-11 0046 General clinical research center - Oral sensation disorders (human, rats)
- ORAL-PHARYNGEAL DISORDERS, PHARYNGITIS**
- P01AI-08724-18 0006 Biology of streptococci - Streptolysin O
- R01AI-11363-02 Mycoplasmas in venereal infections (human)
- R01AI-12219-01 Streptococcal epidemiology and immunity (rabbits, human)
- ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS**
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO ORAL-PHARYNGEAL HYPERPLASIA, SALIVARY GLAND HYPERPLASIA
SEE ALSO VIRUS DISEASES, MYXOVIRUS (AND RELATED INFECTIONS)
SEE ALSO VIRUSES, HERPESVIRUSES, CYTOMEGALOVIRUSES
- ** R23DE-03859-01 Experimental autoallergic sialadenitis (rats)
- M01RR-00107-11 0046 General clinical research center - Oral sensation disorders (human, rats)
- ** R01RR-00700-03 Sialodacryoadenitis in the laboratory rat (cnmd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND HYPERTROPHY

- ** P01CA-12227-04 0003 Core program in carcinogenesis - Cellular proliferation in mammalian cells

ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

SEE ALSO DISEASES, SYNDROMES NOT LISTED ELSEWHERE, BEHCET'S SYNDROME

- ** R23DE-03874-01 Immune aspects of recurrent aphthous ulcers (human)
 ** M01RR-00107-11 0045 General clinical research center - Pathogenesis of recurrent aphthous ulcers and immune reactivity in pedigrees

ORAL-PHARYNGEAL DISORDERS, TONSILLITIS

- R02MU-00488-01 A method for monitoring quality of care of PNA's

ORAL-PHARYNGEAL HYPERPLASIA

- P01DE-01770-12 0006 Oral pathology - Computer scanning of histopathological specimens of oral diseases (human)
 ** R01DE-02342-07 Normal and altered oral mucosa (rats)

ORAL-PHARYNGEAL HYPERPLASIA, LEUKOPLAKIA ORAL

- ** P02CA-08023-10 0051 Cancer clinical research center - Intra-arterial fluorouracil for oral mucosa leukoplakia
 ** R01DE-02342-07 Normal and altered oral mucosa (rats)
 R23DE-03655-02 Keratinization of normal and altered epithelium
 R23DE-03875-01 Membrane-coating granules-isolation and biochemistry

ORAL-PHARYNGEAL HYPERPLASIA, NASOPHARYNGEAL HYPERPLASIA

R01ES-00741-02 Interaction of SO2 and virus on respiratory mucosa (chickens)

ORAL-PHARYNGEAL HYPERPLASIA, SALIVARY GLAND HYPERPLASIA

- ** P01CA-12227-04 0003 Core program in carcinogenesis - Cellular proliferation in mammalian cells

ORAL-PHARYNGEAL NEOPLASMS

- P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
 P02CA-13053-03 0068 Clinical cancer radiation therapy research center - Randomized study-Preoperative radiation for head and neck tumors (human)
 ** P01CA-16127-01 0026 Cancer Research and Treatment Center Program - Pi meson radiotherapy of oral cavity carcinoma (human)
 R18CA-16400-01 0006 Cancer control development grant - Education and training projects (human)
 ** R26CA-16436-01 National head and neck cancer project
 M01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
 ** P01DE-01770-12 0002 Oral pathology - Odontogenic tumors and cysts (human)
 P01DE-01770-12 0006 Oral pathology - Computer scanning of histopathological specimens of oral diseases (human)
 ** P13DE-02731-08 0006 Development support for dental research institute - Dental research experimental pathology (human, rats, mice, rabbits)
 R01DE-03969-01 Infrared emissivity of tooth and intraoral mucosa
 R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers

ORAL-PHARYNGEAL NEOPLASMS, MOUTH NEOPLASMS

- ** N01AA-30031-00 Study on interactions of alcoholism with cancer (phase II)
 R10CA-02824-19 Eastern cooperative oncology group
 R01CA-05654-14 Evaluation of supravoltage therapy (human)
 ** P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
 R10CA-12271-04 Central oncology group
 R10CA-12272-04 Central oncology group
 R10CA-12273-04 Central oncology group
 R10CA-12275-04 Central oncology group
 R10CA-12277-04 Central oncology group
 R10CA-12282-04 Central Oncology Group
 R10CA-12283-04 Central oncology group
 R10CA-12285-04 The central oncology group
 R10CA-12286-04 Central oncology group
 R10CA-12287-04 Central oncology group
 R10CA-12288-04 Central oncology group
 R10CA-12289-04 Central oncology group
 R10CA-12294-04 Central oncology group
 R10CA-12295-04 Central oncology group
 P02CA-13148-03 0011 Pilot cancer center - Regional maxillofacial prosthetics
 ** P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (hamsters)

- ** P01DE-01770-12 0005 Oral pathology - Tissue culture of oral tumors (human)
 R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
 N01DE-71475-10 Study of betel quid carcinogenesis (baboons)

ORAL-PHARYNGEAL NEOPLASMS, NASOPHARYNGEAL NEOPLASMS

- R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
 P02CA-05826-13 0037 Clinical cancer research center - Cancer immunobiology-immunovirology of human cancer
 R01CA-12689-03 Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, huma
 R01CA-12765-03 Role of nuclear proteins in the neoplastic process (mice, rats)
 R10CA-14060-02 Radiation therapy oncology group
 P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
 P01CA-16038-01 0006 Program on the molecular basis of viral transformation - Host and viral factors in oncogenesis by EB virus (human, mammals)
 N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
 ** N01CP-02076-14 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
 ** N01CP-43296-00 Sero-epidemiological studies on nasopharyngeal carcinoma (human)

ORAL-PHARYNGEAL NEOPLASMS, PHARYNGEAL NEOPLASMS

- R10CA-02822-19 Eastern cooperative oncology group (human)
 R01CA-05654-14 Evaluation of supravoltage therapy (human)
 ** P02CA-05838-13 0010 Clinical radiotherapy cancer research center - Hypopharynx protocol
 ** P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
 R10CA-10572-06 Eastern cooperative oncology group
 R10CA-11109-06 Eastern cooperative oncology group
 P01CA-12582-04 0002 Multidisciplinary cancer diagnosis and therapy - Antigenic specificity of different histologic types of neoplasms (human)
 ** P01CA-16127-01 0025 Cancer Research and Treatment Center Program - Pi meson radiotherapy of hypopharynx carcinoma (human)
 ** P01CA-16127-01 0027 Cancer Research and Treatment Center Program - Pi meson radiotherapy of oropharynx epidermoid carcinoma

ORAL-PHARYNGEAL NEOPLASMS, SALIVARY GLAND NEOPLASMS

- R01CA-11606-05 American Joint Committee
 R10CA-12272-04 Central oncology group
 R10CA-12275-04 Central oncology group
 R10CA-12285-04 The central oncology group
 R10CA-12286-04 Central oncology group
 R10CA-12295-04 Central oncology group
 R23DE-03582-02 Glycoproteins of transformed salivary glands (rats)
 R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)

ORAL SURGERY

- SEE ALSO DENTAL EXTRACTION
 SEE ALSO DENTAL TRANSPLANTATION
 SEE ALSO DENTISTRY, ENDOODONTICS
 SEE ALSO DENTISTRY, GINGIVECTOMY
 SEE ALSO DENTISTRY, GINGIVOPLASTY
 SEE ALSO DENTISTRY, SUBGINGIVAL CURETTAGE
 SEE ALSO ORAL-FACIAL RESTORATION
 P01DE-00853-17 0002 Diagnostic and prognostic techniques in cleft palate - Maxillofacial growth project (dogs, tamarins, rats)
 ** P01DE-01648-12 0002 Basic studies on periodontal disease - Treatment of periodontal pockets in Rhesus monkeys
 ** P02DE-02172-10 0002 Oral-facial communicative disorders - Surgery (children)
 P02DE-02172-10 0003 Oral-facial communicative disorders - Dentistry (children)
 R01DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)
 ** P01DE-02918-06 0012 Oral-facial growth and development in primates - Surgical lengthening of superior lip (Erythrocebus patas)
 P01DE-03568-01 0003 Craniofacial anomalies-etiology and treatment - Asymmetrical facial anomalies
 P01DE-03568-01 0004 Craniofacial anomalies-etiology and treatment - Underdevelopment of the mandible
 R13DE-03935-01 Selection of materials for reconstructive surgery
 R23DE-03971-01 Quantitative electrosurgery and related histopathology (hamsters, human)
 ** N01DH-44118-00 Tooth debridement and related training
 P18HL-15158-03 0013 Comprehensive sickle cell disease center - Dental clinical services

ORAL SURGERY, SIALOADENECTOMY

- ** R01AM-10558-09 0022 Peptide hormones affecting calcium metabolism - Sialoadenectomy and serum CA in thyroparathyroidectomized rats

ORCHIECTOMY

SEE REPRODUCTIVE SYSTEM SURGERY MALE, ORCHIECTOMY

ORCHITIS

SEE REPRODUCTIVE SYSTEM DISORDERS, MALE, TESTIS DISORDERS, ORCHITIS

ORGAN CULTURE

SEE TISSUE (CELL) CULTURE, ORGAN CULTURE

ORGAN OF CORTI

SEE EAR, LABYRINTH, ORGAN OF CORTI

ORGAN PROSTHETIC

SEE PROSTHETIC ORGANS

ORGAN STORAGE IN VIVO

SEE TISSUE PRESERVATION, TISSUE STORAGE IN VIVO

ORGAN TRANSPLANTATION

SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

ORGANELLES

SEE CELL COMPONENTS, ORGANELLES

ORGANIC ACIDS

SEE ACIDS-BASES, ACIDS ORGANIC (GENERAL)

ORGANIC BASES

SEE ACIDS-BASES, BASES ORGANIC (GENERAL)

ORGANIC COMPOUNDS (GENERAL)

SEE CHEMICALS UNLISTED ELSEWHERE, ORGANIC COMPOUNDS (GENERAL)

ORGANIC SYNTHESIS

SEE CHEMICAL SYNTHESIS

ORGANIZATION, HEALTH RESOURCES-SERVICES

SEE HEALTH CARE (SERVICES)(RESOURCES) ORGANIZATION

ORGANIZATION, HOSPITALS

SEE HOSPITALS ORGANIZATION

ORGANIZATION, SOCIAL

SEE SOCIAL GROUPS, SOCIAL ORGANIZATION

ORGANIZATIONS, HEALTH SCIENCES

SEE HEALTH AND SCIENTIFIC ORGANIZATIONS

ORGANIZATIONS, MENTAL HEALTH

SEE MENTAL HEALTH ORGANIZATIONS

ORGANIZATIONS, SELF HELP (MENTAL HEALTH)

SEE MENTAL HEALTH ORGANIZATIONS, SELF HELP ORGANIZATIONS

ORGANOPHOSPHORUS INSECTICIDES

SEE PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES

ORGANS

SEE TISSUE, ORGANS (SEE ALSO SPECIFIC ORGANS)

ORIENTATION, BODY POSITION

SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

ORIENTATION

SEE ENVIRONMENT, ORIENTATION

ORIENTATION, SPATIAL

SEE SENSORY-PERCEPTUAL PROCESSES, SPATIAL PERCEPTION

ORIENTATION, TIME

SEE SENSORY-PERCEPTUAL PROCESSES, TIME PERCEPTION

ORINASE

SEE SULFONYLUREA, TOLBUTAMIDE

ORNITHINE

SEE DIAMINO ACIDS, ORNITHINE

ORNITHINE DECARBOXYLASE

SEE DECARBOXYLASES, ORNITHINE DECARBOXYLASE

ORNITHINE TRANSCARBAMYLASE

SEE TRANSCARBAMYLASES, ORNITHINE TRANSCARBAMYLASE

ORNITHINE TRANSCARBAMYLASE DEFICIENCY

SEE METABOLIC DISORDERS INBORN, UREA CYCLE, HYPERAMMONEMIA II

ORNITHOSIS

SEE BEDSONIA DISEASES, ORNITHOSIS

OROSOMUCOID

SEE PROTEOLYCAINS, OROSOMUCOID

OROTATE PHOSPHORIBOSYLTRANSFERASE

SEE GLYCOSYLTRANSFERASES, OROTATE PHOSPHORIBOSYLTRANSFERASE

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

OROTIC ACID

SEE PYRIMIDINES, OROTIC ACID

OROTIC ACIDURIA

SEE PURINES-PYRIMIDINES METABOLISM ERRORS, OROTICACIDURIA

OROTIC DEHYDROGENASE

SEE OXIDOREDUCTASES, OROTIC DEHYDROGENASE

OROTIDINE

SEE PYRIMIDINE NUCLEOSIDES, OROTIDINE

OROTIDINE-5'-PHOSPHATEPYROPHOSPHORYLASE
SEE GLYCOSYLTRANSFERASES, OROTATE
PHOSPHORIBOSYLTRANSFERASE**OROTIDYLIC DECARBOXYLASE**

SEE DECARBOXYLASES, OROTIDYLIC DECARBOXYLASE

ORPHAN VIRUSESSEE VIRUSES, ADENOVIRUSES, CELO
SEE VIRUSES, PICORNAVIRUSES, ECHO VIRUSES**ORTHODONTICS**

SEE DENTISTRY, ORTHODONTICS

ORTHOPEDICS

SEE SKELETAL DISORDERS, ORTHOPEDICS

ORTHOPHENOLASE

SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

ORTHOPTERA

SEE ARTHROPODS, INSECTS, ORTHOPTERA*

ORTHOSTATIC HYPOTENSION

SEE CARDIOVASCULAR DISORDERS, HYPOTENSION POSTURAL

ORTHOTIC MATERIALS

SEE SKELETAL DISORDERS, ORTHOTIC MATERIALS

ORTHOTICS

SEE SKELETAL DISORDERS, ORTHOTICS

OSCILLATORY BLOOD FLOWSEE CARDIOVASCULAR FUNCTION, BLOOD FLOW
OSCILLATORY**OSGOOD-SCHLATTER DISEASE**

SEE SKELETAL DISORDERS, OSTEOCHONDRITIS (DEFORMANS)

OSLER-RENDER SYNDROMESEE METABOLIC DISORDERS INBORN, TELANGIECTASIA
HEREDITARY HEMORRHAGIC**OSMORECEPTORS**

SEE SENSE ORGANS, OSMORECEPTORS

OSMOTIC PRESSURE, BLOOD

SEE BLOOD OSMOTIC PRESSURE

OSMOTIC PRESSURE, BODY FLUIDS

SEE BODY FLUID BALANCE, OSMOTIC PRESSURE

OSMOTIC PRESSURE, CELL FLUIDS

SEE CELL FLUIDS, OSMOTIC PRESSURE

OSMOTIC PRESSURE OF OTHER FLUIDSSEE PHYSICAL PROPERTIES, FLUID STATE, OSMOTIC
PRESSURE**OSSIFICATION PATHOGENIC**

SEE SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC

OSSIFICATION PHYSIOLOGICSEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION
NORMAL**OSTEITIS DEFORMANS**

SEE SKELETAL DISORDERS, OSTEITIS DEFORMANS

OSTEITIS FIBROSA CYSTICA (GENERALISATA)

SEE SKELETAL DISORDERS, OSTEITIS FIBROSA CYSTICA

OSTEITIS FIBROSA CYSTICA RENAL

SEE KIDNEY DISORDERS, RENAL RICKETS

OSTEITIS FIBROSA DISSEMINATA

SEE SKELETAL DISORDERS, OSTEITIS FIBROSA DISSEMINATA

OSTEITIS FIBROSA OSTEOPLASTICA

SEE SKELETAL DISORDERS, OSTEITIS FIBROSA DISSEMINATA

OSTEITIS TUBERCULOSA MULTIPLEX CYSTOIDES

SEE NEOPLASMS RELATED INTEREST, SARCOIDOSIS

OSTEOARTHRITIS

SEE SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS

OSTEOARTHROPATHY, HYPERTROPHIC(PULMONARY)
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC
OSTEOARTHROPATHY**OSTEOBLASTS**

SEE SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS

OSTEOCHONDRITIS (DEFORMANS)

SEE SKELETAL DISORDERS, OSTEOCHONDRITIS (DEFORMANS)

OSTEOCHONDRITIS DEFORMANS JUVENILIS

SEE SKELETAL DISORDERS, OSTEOCHONDRITIS (DEFORMANS)

OSTEOCHONDRITIS DEFORMANS JUVENILIS DORSISEE SKELETAL DISORDERS, SPINAL CURVATURES,
SCHEUERMANN'S DISEASE**OSTEOCHONDRODYSSTROPHY (MORQUIO)**SEE METABOLIC DISORDERS INBORN,
MUCOPOLYSACCHARIDOSIS,
ECCENTROOSTEOCHONDRODYSPLASIA**OSTEOCHONDROSIS (DEFORMANS)**

SEE SKELETAL DISORDERS, OSTEOCHONDRITIS (DEFORMANS)

OSTEOCLASTS

SEE SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS

OSTEOCYTES

SEE SKELETAL SYSTEM, BONE CELLS

OSTEODYSSTROPHIA JUVENILIS

SEE SKELETAL DISORDERS, OSTEITIS FIBROSA CYSTICA

OSTEODYSSTROPHY, RENAL

SEE KIDNEY DISORDERS, RENAL RICKETS

OSTEOGENESIS

SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS

OSTEOGENESIS IMPERFECTASEE METABOLIC DISORDERS INBORN, OSTEOGENESIS
IMPERFECTA**OSTEOGENIC SARCOMA**

SEE SKELETAL NEOPLASMS, OSTEOGENIC SARCOMA

OSTEOMALACIASEE SKELETAL DISORDERS, BONE METABOLISM,
OSTEOMALACIA**OSTEOMYELITIS**

SEE SKELETAL DISORDERS, OSTEOOMYELITIS

OSTEONES

SEE SKELETAL SYSTEM, BONE, HAVERSIAN SYSTEM

OSTEOPATHS

SEE HEALTH SCIENCES PROFESSIONS, OSTEOPATHS

OSTEOPATHY

SEE HEALTH SCIENCES PROFESSIONS, OSTEOPATHS

OSTEOPETROSIS

SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OSTEOPOROSISSEE SKELETAL DISORDERS, BONE METABOLISM,
OSTEOPOROSIS**OSTEOSCLEROSIS**

SEE SKELETAL DISORDERS, OSTEOSCLEROSIS

OSTEOSCLEROSIS CONGENITA

SEE METABOLIC DISORDERS INBORN, ACHONDROPLASIA

OSTEOSCLEBOSIS FRAGILIS

SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OTTITIS MEDIASEE EAR DISORDERS, MIDDLE EAR DISORDERS, OTTITIS
MEDIA**OTOCYSTS AND OTOLITHS**

SEE EAR, LABYRINTH, OTOCYSTS AND OTOLITHS

OTORHINOLARYNGOLOGYSEE HEALTH SCIENCES PROFESSIONS,
OTORHINOLARYNGOLOGY**OTOSCLEROSIS**SEE EAR DISORDERS, LABYRINTH DISORDERS,
OTOSCLEROSIS**OTOTOXINS**

SEE EAR DISORDERS, OTOTOXINS

OTTERS

SEE MAMMALS, CARNIVORES AQUATIC*

OUARAIN

SEE CARDIAC GLYCOSIDES, OUABAIN

OUTBREAKS (COMMUNICABLE DISEASE)SEE COMMUNICABLE DISEASE TRANSMISSION, DISEASE
OUTBREAKS (COMMUNICABLE DISEASE)**OUTPATIENT FACILITIES (GENERAL)**

SEE HEALTH CARE FACILITIES, OUTPATIENT FACILITIES

OUTPATIENT FACILITIES (HOSPITAL)

SEE HOSPITALS, OUTPATIENT FACILITIES

OUTPATIENT MENTAL HEALTH FACILITIESSEE MENTAL HEALTH FACILITIES, MENTAL HEALTH
OUTPATIENT FACILITIES**OVALBUMIN**

SEE ALBUMINS, OVALBUMIN

OVALOCYTOSIS HEREDITARYSEE BLOOD AND RE DISORDERS, ANEMIA HEMOLYTIC
CONGENITAL, ELLIPTOCYTOSIS HEREDITARY**OVARIAN CYSTS**SEE REPRODUCTIVE SYSTEM DISORDERS, FEMALE, OVARIAN
CYSTS**OVARIAN DISORDERS**SEE REPRODUCTIVE SYSTEM DISORDERS FEMALE, OVARIAN
DISORDERS**OVARIECTOMY**SEE REPRODUCTIVE SYSTEM SURGERY FEMALE,
OVARECTOMY**OVARY**

SEE REPRODUCTIVE SYSTEM FEMALE, OVARY

OVARY NEOPLASMSSEE REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, OVARY
NEOPLASMS**OVARY TRANSPLANTATION**SEE REPRODUCTIVE TISSUE TRANSPLANTATION, OVARY
TRANSPLANTATION**OVERDOSE OF DRUGS**

SEE DRUGS ABUSE, OVERDOSE

OVEREATINGSEE NUTRIENT INTAKE DISORDERS, APPETITE DISORDERS,
OVEREATING**OVERLEARNING**

SEE PSYCHOLOGY, LEARNING, OVERLEARNING

OVIDUCTS

SEE REPRODUCTIVE SYSTEM FEMALE, OVIDUCTS

OVOGENESIS

SEE FERTILITY, OVOGENESIS

OVOMUCOID

SEE PROTEOGLYCANS, OVOMUCOID

OVOTRANSFERRIN

SEE ALBUMINS, CONALBUMIN

OVULATION

SEE FERTILITY, OVULATION

**OVULATION TIME, INCL ACCELERATED AND
RETARDED**

SEE FERTILITY, OVULATION TIME

OXALATES

SEE DICARBOXYLIC ACIDS, OXALATES

OXALDEHYDE

SEE KETOALDEHYDES, GLYOXALS

OXALOACETATE TRANSACETASE

SEE OXO-ACID-LYASES, CITRATE (SI) SYNTHASE

OXALOSISSEE METABOLIC DISORDERS (INBORN), HYPEROXALURIA AND
OXALOSIS**OXAMATES**

** R01CA-04910-15 Role of glycolysis in tumor growth
(human, rodents)
R01GM-06635-14 Characterization and specificity of
enzyme systems
P17HL-15061-03 0002 Response of lung to injury -
Oxidative metabolism, phospholipid synthesis, and response
to toxins (animals)

OXANDROLONE

SEE ANDROSTANE SERIES, OXANDROLONE

OXAZEPINES, LOXAPINER10MH-08240-11 Drug-screening program for drug-
resistant schizophrenics**OXAZINES, PHENMETRAZINE**R01DA-00047-05 Self-administration of psychomotor
stimulants (monkeys, rats)**OXAZIRIDINES**R01AM-14343-05 The role of porphyrin cations in
metabolic processes
R01AM-14344-05 Role of porphyrin cations in metabolic
processes**OXAZOLES**R01CA-11147-06 Thiazolo- and oxazolo 5, 4-d pyrimidine
nucleosidesP11GM-15431-08 0043 Research center for clinical
pharmacology and drug toxicology - The influence of
hepatic blood flow on drug disposition (rats, monkeys,
human)P01GM-18715-02 0006 Biochemical effects and chemical
reactions of drugs - Kinetic reactions of benzylpenicillenic
acid

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-10197-03 Synthesis of new CNS agents
- OXAZOLES, ISOXAZOLES**
SEE ALSO AZO COMPOUNDS, HYDRAZINES, ISOCARBOXYD
SEE ALSO SULFANILAMIDES, SULFOXAZOLE
ROIGM-13980-10 New methods of peptide synthesis
- OXAZOLES, ZOXAZOLAMINE**
ROIES-00921-02 Cadmium-induced prolongation of drug action (rats)
ROIGM-20340-01 Circadian rhythms in drug response and drug metabolism
- OXAZOLIDINEDIONES**
ROINS-09839-04 Stereochemical basis of anticonvulsant drug activity
- OXAZOLIDINEDIONES, DIMETHADIONE**
POINS-03360-14 0045 Neurological clinical research center-Epilepsy - Clinical pharmacology-Protein binding of antiepileptic drugs (human)
- OXAZOLIDINEDIONES, TRIMETHADIONE**
POIMH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)
POINS-03360-14 0045 Neurological clinical research center-Epilepsy - Clinical pharmacology-Protein binding of antiepileptic drugs (human)
POINS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)
ROINS-09839-04 Stereochemical basis of anticonvulsant drug activity
- OXAZOLIDINONES**
SEE OXAZOLIDONES
- OXAZOLIDONES**
** ROICA-07803-11 Biologically-active fatty acid derivatives
- OXAZOLIDONES, PEMOLINE**
ROIDA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
** ROIMH-14432-07 Early screening and long-term drug therapy of children
ROIMH-22340-02 New method for studying drug effects on learning (pigeons)
MOIRR-00064-10 0035 General clinical research center - Drug-induced hepato-toxicity (human)
- OXAZOLINONES**
POIGM-18715-02 0007 Biochemical effects and chemical reactions of drugs - Synthesis and studies of the development of thiazolidinyl-oxazolones
ROIGM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- OXEPANES, DOXEPIN**
ROIMH-16128-06 Early clinical drug evaluation unit
ROIMH-19477-03 Psychomotility and cognitive style in the schizophrenias
- OXETANES**
ROIGM-20329-07 Photo chemical synthesis of organic compounds
- OXETANONE**
NOIAI-12199-02 Improved method for inactivation of rabies virus
** POICA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
POICA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
POICA-13343-02 0009 Environmental cancer - Mitoch. DNA as test system for chemical carcinogens and mutagens (rats, yeasts)
POIES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals
- OXIDANTS**
ROIAM-02189-15 Energy metabolism of erythrocyte (human, dogs)
ROIAM-16385-01 Insulin action on the fat cell plasma membrane (rats)
ROICA-10742-06 The chemistry of N-dihydropyrazoles
PO2CA-12197-03 0026 Multidisciplinary oncology research center - Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
** P10ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)
** POIES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
** POIES-00628-04 0002 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to viral infections (mice)
** POIES-00628-04 0003 Pulmonary effects of environmental oxidant pollutants - Morphology of lungs exposed to oxidant pollutants (rats, monkeys)
** POIES-00628-04 0004 Pulmonary effects of environmental oxidant pollutants - Physiology of lungs exposed to oxidant pollutants (rats, monkeys)
** ROIES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)
POIES-00735-01 0008 Public health hazards and environmental fate of parathion - Decontamination of parathion spills and wastes (biophysical and microbial agents)
P17HL-14179-04 0020 Center for the study of lung disease - Mechanisms of oxidant lung injury-Effects of lipid peroxides (mammals)
P17HL-15098-03 0001 Special center of research-Environmental lung disease - Sulfhydryl bond alteration (monkeys)
P17HL-15098-03 0002 Special center of research-Environmental lung disease - Enzyme activity alteration (monkeys)
** P17HL-15098-03 0003 Special center of research-Environmental lung disease - Cell division alterations (human, primates)
P17HL-15098-03 0004 Special center of research-Environmental lung disease - NO-2 and O-3 effects on cell division in bronchioles and alveoli (monkeys)
P17HL-15098-03 0005 Special center of research-Environmental lung disease - Blood chemistry and enzymes (human, monkeys)
P17HL-15098-03 0006 Special center of research-Environmental lung disease - Histo- and cytopathology of lung tissue (monkeys)
P17HL-15098-03 0007 Special center of research-Environmental lung disease - Ultrastructure studies (monkeys)
P17HL-15098-03 0008 Special center of research-Environmental lung disease - Histo- and cytopathology of nasal and pharyngeal tissues (monkeys)
P17HL-15098-03 0009 Special center of research-Environmental lung disease - Mechanical response of respiratory system to air pollutants (human, monkeys)
P17HL-15098-03 0012 Special center of research-Environmental lung disease - Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys)
P18HL-15157-03 0012 Comprehensive sickle cell disease center - Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human)
- OXIDANTS, ANTIOXIDANTS**
ROIAM-06424-12 Nutritional function of selenium (rats)
ROIAM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
ROIAM-13195-05 Carbon tetrachloride hepatotoxicity (rats, guinea pigs)
ROIAM-13393-06 Mechanism and prevention of ethanol-induced cell injury (dogs, rats)
ROIAM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)
** ROIAM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
ROIAM-15041-02 Carcinogenesis (rats)
ROIAM-16183-03 Detection of injury in cellular membrane systems (rats, human)
ROIAM-17745-01 Mechanism of protective action of carotenoids (mice)
ROICA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice)
** ROICA-14146-02 Inhibition of chemical carcinogenesis by antioxidants (mice)
ROICA-14221-02 Antioxidants in senescing and in neoplastic cells (mammals)
** R26CA-15638-01 Inhibition of neoplasia of the large bowel (rats)
R26CA-16765-01 Biochemical mechanisms in experimental bladder cancer (rats, rabbits)
** POIES-00597-04 0006 Food-borne environmental toxicants - Extrahepatic induction of microsomal enzymes by BHT in the neonate rat
** POIES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
ROIES-00645-03 Toxicant action of ozone in mammalian tissues (rats)
** ROIES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
** ROIES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
ROIFD-00050-12 Water content and lipid oxidation in dehydrated foods
** ROIFD-00576-01 Metabolism of Di-t-butylhydroxytoluene (BHT)
** ROIGM-21205-01 Molecular biology of aging fungi as models
ROIGM-21232-01 Biosynthesis and function of thioimidazoles (*Neurospora crassa*)
** POIHD-05875-04 0010 Aging mechanisms of in vitro human cell systems - Membrane deterioration in mitotic and non-mitotic cells (human, rats)
P17HL-14179-04 0020 Center for the study of lung disease - Mechanisms of oxidant lung injury-Effects of lipid peroxides (mammals)
- ROIHL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke
** ROIHL-16707-01 Dietary antioxidants and atherosclerosis (rabbits)
** R23HL-17218-01 Mechanism of antioxidant protection in lung
POINS-07366-07 0012 Head injury clinical center research program - Free radical pathology in brain trauma (rats, cats)
- OXIDASE INHIBITORS**
SEE ENZYME INHIBITORS, OXIDOREDUCTASE INHIBITORS
- OXIDATION**
SEE OXIDATION-REDUCTION, OXIDATION
- OXIDATION-REDUCTION**
SEE ALSO CHEMICAL BONDS, ELECTRON ACCEPTORS
SEE ALSO CHEMICAL BONDS, ELECTRON DONORS
SEE ALSO CHEMICAL BONDS, HYDROGEN ACCEPTORS
SEE ALSO CHEMICAL TRANSFER, ELECTRON TRANSPORT
SEE ALSO CHEMICAL TRANSFER, HYDROGEN TRANSPORT
SEE ALSO RESPIRATION INTERNAL
SEE ALSO RESPIRATORY GASES
ROIAA-00292-04 The enzyme-substrate compound of catalase in alcoholism (animals)
ROIAI-08325-06 Basis of the antibiotic action of the mitomycins
R22AI-08866-05 Cultivation of *Mycobacterium leprae*
ROIAM-02831-22 Sulfhydryl groups and properties of hemoglobin (human, ungulates, dogs)
ROIAM-04585-14 Investigation of flavin systems (swine)
ROIAM-09250-09 Characterization of erythrocyte proteins (human, chickens)
ROIAM-12604-06 Glucose metabolism and hydrogen transport (rats, rabbits, birds)
ROIAM-13609-06 Immunologic reactions of cell surfaces (human, rabbits)
ROIAM-14341-06 Reaction mechanisms of cyclic tetramine complexes
ROIAM-14343-05 The role of porphyrin cations in metabolic processes
ROIAM-14344-05 Role of porphyrin cations in metabolic processes
ROIAM-14752-04 Intracellular reactions in gastric mucosa (bullfrogs)
ROIAM-14982-04 Studies in molecular hematology (animals)
ROIAM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
ROIAM-16508-02 Anaig systems for biological porphyrins
** ROICA-03641-18 The coupling of coenzyme-linked oxidoreductions
ROICA-07394-10 Synthesis and separation of carcinogenic compounds
ROICA-08348-10 Biochemistry of procarbazine and related hydrazines (rats)
ROICA-11339-05 Control of cell growth, differentiation, and function (mice)
ROICA-11445-06 Benzylisoquinoline alkaloid studies
ROICA-11447-06 Effect of hyperoxia on normal and neoplastic cells (dogs, mice, human)
ROICA-13014-03 Proteins of plasma cell cancers (human, rats, mice)
ROICA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
ROIDE-03488-03 Microbial composition of dental plaque
ROIEY-00131-04 Relation of transport to metabolism of glutathione (rats)
** ROIEY-00699-04 Intermediary metabolism of the carnosine (rabbits)
ROIEY-01081-01 Enzymes of vision-Vitamin A metabolism (human, rat, cow, monkey)
** ROIGM-08347-14 Function of molybdenum in biological systems
ROIGM-08893-12 Chemical kinetics studied by relaxation spectrometry
** ROIGM-11741-09 Primary redox changes in photosynthesis (bacteria)
M ROIGM-12176-10 Redox reactions by optical and EPR spectrometry
ROIGM-12176-10 0002 Redox reactions by optical and EPR spectrometry - Chemical studies on iron-sulfur proteins (bacteria, plants)
ROIGM-12176-10 0005 Redox reactions by optical and EPR spectrometry - Proton relaxation studies on flavoproteins
ROIGM-12176-10 0008 Redox reactions by optical and EPR spectrometry - Electron transfer in proteins (yeast)
ROIGM-12394-10 Components and pathways in biological oxidations (microorganisms, mammals, human)
** ROIGM-13638-09 Organic groups in redox reactions of metal ions
PIIGM-15477-08 0097 Drug metabolism and biochemical pharmacology - Liver alcohol dehydrogenase
ROIGM-16429-06 Enzymes in the crystalline state-Structure and activity (bacteria, plants)
ROIGM-16449-06 Iron-sulfur coordination and protein chemistry
ROIGM-16488-06 0001 Hepatic microsomal drug oxidation - Mechanisms of cytochrome P-450 function
** ROIGM-18191-10 Free-radical biochemical oxidations (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Ordered significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- RO1GM-18955-06 Enzymology of nitrate assimilation (fungi, marine diatoms)
- ** RO1GM-19036-06 Regulation of oxidation reactions (pseudomonas)
- RO1GM-19121-03 Mitochondrial membrane metabolic role of cytochrome C (animals, fungi)
- RO1GM-20571-01 Iron-sulfur proteins as carriers in electron transfer
- ** RO1GM-20943-01 Mechanisms of biological redox reactions of copper
- RO1GM-21034-01 Electrochemistry and interfacial behavior of purines
- RO1GM-21161-01 Protein structure modification and oxidation
- RO1GM-21185-01 Mechanism of enzyme catalyzed oxidation-reductions (bacteria, yeasts)
- RO1GM-21277-01 Mechanism of action of vertebrate cytochrome C (horses)
- ** RO1GM-21337-01 Molecular mechanisms of biological redox reactions (yeast, spinach)
- RO1HD-04287-06 Regulation of drug metabolism during development (human, monkeys)
- ** RO1HD-04839-05 0009 Metabolism of drug substrates by human placenta - Mechanisms of oxidation-reduction reactions in tissue-free models (human)
- PO1HL-08805-10 0010 Cardiovascular and pulmonary performance - Energy metabolism in heart-Mechanisms of regulation (mammals)
- RO1HL-13338-06 Oxygen transport and chemical contents of erythrocytes (human)
- RO1HL-13581-07 Reactions of oxygen with heme proteins
- RO1HL-13652-04 Metal sites in metalloproteins
- RO1HL-14083-03 Thermal and potentiometric analysis of proteins
- RO1HL-14461-03 Cardiac metabolism in heart failure (rats, guinea pigs)
- ** RO1HL-16575-01 Structural basis for redox potentials in hemeoproteins (mammals, microorganisms)
- ** R23HL-17165-01 Redox state of NADO in erythrocytes (human)
- PO1NS-03364-12 0030 Neurological research center in cerebrovascular disease - Neuronal, chemical and enzymatic effects of cerebral infarction and hemorrhage
- PO1NS-06663-08 0020 Cerebrovascular clinical research center - Protection of cells in marginal zone of infarction by chemicals (mammals)
- PO1NS-07464-07 0016 Laboratory of neurobiology - SH reagents and sensitivity of the cholinergic end-plate receptors
- RO1NS-11484-01 Effect of seizure upon energy metabolism of brain (rats)
- RO1OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)
- RO1OH-00347-04 Biological interactions of environmental metals (degs)
- MO1RR-00053-13 0003 Clinical research center - Oxidoreduction of cortisol in anephric patients
- OXIDATION-REDUCTION, AUTO-OXIDATION**
- RO1AM-15056-04 Iron-binding proteins and control of iron metabolism (human, rabbits, hagfish)
- ** RO1CA-11684-05 Mechanisms of drug action in normal and tumor cells (mice, human, rats)
- ** RO1CA-13609-03 Senescence, malignancy and membrane destabilization (human, mice, rats)
- RO1FD-00050-12 Water content and lipid oxidation in dehydrated feeds
- ** RO1GM-12176-10 0006 Redox reactions by optical and EPR spectrometry - Flavin auto-oxidation
- ** RO1GM-18895-03 High-energy interactions in multi-heme systems (bacteria)
- ** RO1GM-19775-02 Activation of molecular oxygen by metal peptides
- RO1GM-21205-01 Molecular biology of aging fungi as models
- PO1HD-05875-04 0010 Aging mechanisms of in vitro human cell systems - Membrane deterioration in mitotic and non-mitotic cells (human, rats)
- PO1HL-08214-11 0011 Chemical and biological properties of lipids - High energy irradiation of lipids (rats, fish)
- RO1HL-10160-09 Origins of atherosclerosis (human, rabbits)
- RO1HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
- ** RO1HL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke
- OXIDATION-REDUCTION, OXIDATION**
- SEE ALSO PEROXIDATION
- SEE ALSO RESPIRATORY GASES, OXYGENATION
- RO1AA-00239-06 0001 Effects of alcohol on liver and intestine - Lipid and lipoprotein metabolism (rats, human)
- RO1AA-00287-04 Effects of alcohol on subcellular organelles of liver (rats, rabbits)
- RO1AA-00323-03 Prevention of adverse metabolic effects of alcohol
- RO1AI-09598-05 Bio-synthesis of microbial phenazines (microorganisms)
- RO1AI-10600-03 Human phagocyte function in health and disease (also animal)
- RO1AM-03602-15 Utilization of substrates by the kidney in vivo (degs, rats)
- RO1AM-04484-14 Aerobic hydroxylases in steroid and drug metabolism (human)
- RO1AM-06439-12 Metabolism and endocrine function in the thyroid (rats)
- RO1AM-12855-06 Mechanisms of C4 demethylation in steroid biogenesis (rats)
- RO1AM-14042-06 Conformational analysis in the steroids
- ** RO1AM-14343-05 The role of porphyrin cations in metabolic processes
- ** RO1AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
- ** RO1AM-15458-03 Oxidative metabolism of glutamine by the kidney (degs, rats)
- RO1AM-15521-03 0001 Nutritional and metabolic effects of fluorides - Dietary fluoride and high fat diets
- RO1AM-15521-03 0005 Nutritional and metabolic effects of fluorides - Effect of fluoride on glycogenesis (rats)
- ** RO1AM-15804-03 Pathways and control of fatty acid oxidation (cattle, rats, human)
- RO1AM-15855-03 Branched amino acid metabolism in altered nutrition (human, rats)
- RO1AM-16721-02 Hexose monophosphate shunt in genetic disease (human)
- RO1AM-17150-01 TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys)
- RO1AM-17331-02 Organo metallic derivatives of biological compounds
- RO1AM-17666-01 Adaptations induced by exercise training (rats)
- ** RO1CA-04679-15 0006 Biology of normal and malignant melanocytes - Protyrosinase to tyrosinase reaction (frogs)
- ** PO1CA-07304-11 0029 Steroid hormone production and metabolism in cancer - C-21 oxidation of cortisol (human)
- ** PO1CA-07304-11 0037 Steroid hormone production and metabolism in cancer - Oxidation of testosterone at C-17 (human)
- ** RO1CA-10494-07 Chemical studies of potential anticancer agents
- PO1CA-13038-03 0056 Experimental therapeutics and cancer drug program - Oxidation of methanol and dimethyl sulfoxide by rat hepatic microsomes
- ** RO1CA-13074-02 Exploitable differences in tumor cell metabolism
- PO1CA-16359-01 0018 Cancer center support grant - Hepatic mitochondria in hepatic endoplasmic reticulum oxidation
- PO1ES-00002-12 0009 Occupational and environmental health - Organophosphate toxicity and tissue hydrolases (rodents, chickens, frogs, fish)
- ** PO1ES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)
- RO1ES-00412-06 0009 Mechanisms of insecticide resistance - DDT conversion (fish)
- RO1ES-00537-04 Enzymatic oxygen fixation into aromatic hydrocarbons (bacteria)
- RO1ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
- PO1ES-01059-01 0002 Metallic mercury vapor as an environmental hazard - Pharmacokinetics of inhaled mercury vapor (human, animals)
- NO1ES-42154-00 The interaction of specific air pollutants with lung lipids
- RO1EY-00459-05 Near ultraviolet light effects on ocular tissues (human, animals)
- ** RO1GM-11106-11 Biological oxidation mechanisms (bacteria)
- ** P11GM-12675-10 0051 Biochemical toxicology and pharmacology - Drug and steroid oxidations in liver and adrenal cortex (mammals, human)
- P11GM-15477-08 0003 Drug metabolism and biochemical pharmacology - Drug binding sites of P450 hemoproteins (rats, rabbits)
- RO1GM-15997-06 Organic syntheses
- P11GM-16216-06 0038 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism in the newborn-Hydroxylation and epoxidation (human, rodents)
- RO1GM-16501-06 Computer modeling of cardiac and hepatic metabolism (rats, mice)
- ** RO1GM-19234-03 Electrochemical medicinal synthesis
- ** RO1GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
- RO1GM-20050-01 Hemoprotein-drug interactions-Role in metabolism (rat, human)
- ** RO1GM-20080-02 Photooxidation in model biological systems
- ** RO1GM-20172-01 Enzymes of aromatic oxidations from microorganisms
- RO1GM-20378-01 Active site identification in metalloenzymes (E coli)
- ** RO1GM-20560-01 Anesthesia and pathways of brain glucose oxidation (cattle)
- RO1GM-20656-16 Enzymatic oxidation and phosphorylation (yeasts)
- RO1GM-21182-07 Synthesis of alkaloidal medicinal agents
- ** RO1HD-04839-05 0004 Metabolism of drug substrates by human placenta - N-hydroxylation and N-oxidation reactions (rats, monkeys)
- RO1HD-05333-04 Mechanism of bilirubin toxicity (cats, cattle)
- PO1HD-06276-03 0062 Mental retardation research program - Adaptation of neonatal brain to ketone body oxidation (rats)
- RO1HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
- RO1HD-07753-01 Photochemistry of the bilirubin-serum albumin complex (human, cattle)
- ** RO1HD-09026-01 Bilirubin photochemistry and pyrrole photoxidation
- PO1HL-05435-14 0004 Cardiovascular research and training program - Analytical biochemistry (human)
- PO1HL-06308-14 0006 Mechanisms and therapy of circulatory disease - Diphteritic myocarditis (guinea pigs, dogs)
- RO1HL-09103-10 Sterol metabolism in tissue culture cells (human, rabbits)
- ** RO1HL-09489-09 0001 Myocardial lipid metabolism and regulation - Polyunsaturated fatty acid metabolism (rats)
- ** RO1HL-09489-09 0002 Myocardial lipid metabolism and regulation - Competitive oxidation of mitochondrial substrate
- RO1HL-12647-05 Norepinephrine in vascular tissue
- RO1HL-13028-05 Regulation of myocardial fatty acid metabolism (rats)
- ** RO1HL-13111-03 Primary process of modified heme-oxygen interactions
- RO1HL-13412-12 Synthetic oxygen carriers
- P17HL-14179-04 0002 Center for the study of lung disease - Macrophages and phagocytosis-phospholipase (rabbits)
- P17HL-14179-04 0021 Center for the study of lung disease - Transport and oxidation of glucose by alveolar macrophages (mammals)
- RO1HL-15029-06 Chemistry of monolayers surfaces and membranes
- ** P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
- RO1HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
- RO1NS-09572-03 Models for hydroxylases of neurochemical significance
- ** RO1NS-10528-12 Anodic oxidation of biological amines
- RO1NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
- PO1NS-11631-01 0068 Clinical center for research on Parkinson's and allied diseases - Interaction of catecholamine and amino acid metabolism
- MO1RR-00053-13 0047 Clinical research center - Oxidation of testosterone in man-Absence of a sex difference
- MO1RR-00053-13 0071 Clinical research center - Metabolism of adrenal and gonadal steroids-Cortisol (human)
- MO1RR-00349-08 0032 General clinical research center - Insulin and hepatic ketoacid production (human)
- OXIDATION-REDUCTION, REDUCTION**
- RO1AM-12172-07 Structure and metabolism of isopentenoids (plants, protozoa, yeasts, mammals)
- RO1CA-08723-06 Polarographic kinetic protein waves (bovine serum)
- RO1GM-14595-08 0003 Continuity of cellular organelles - Chloramphenicol reductase (Euglena)
- RO1GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
- RO1GM-19554-02 Chiral hydride transfer agents
- ** RO1GM-20304-02 Reduction and oligomerization of polyunsaturates
- P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
- RO1HL-16443-01 Plasma inhibitor of profibrinolysis activation
- OXIDATIVE PHOSPHORYLATION**
- ** RO1AI-02443-16 Oxidative phosphorylation and membrane structure (bacteria)
- RO1AI-03046-15 Electron transport in microorganisms (bacteria, Protozoa)
- ** RO1AM-05637-12 Mechanisms of oxidative energy generation in bacteria
- RO1AL-08062-06 Biochemistry of membrane mutants of E coli
- RO1AI-08595-07 Biochemical genetics of membrane-associated enzymes (E coli, slime mold)
- R22AI-08866-05 Cultivation of Mycobacterium leprae
- RO1AM-08126-11 Energy generation and conservation in mitochondria
- ** RO1AM-10334-09 Control processes in mammalian cells (rats, cattle, human)
- ** RO1AM-10742-08 Models for enzymic phosphorylation and hydrolysis
- RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- ** RO1AM-12201-08 Mitochondrial membrane and oxidative phosphorylation (cattle, yeasts)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

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(cont'd)

- R01AM-12619-07 Active sugar transport in renal cells (rats, rabbits)
 ** R01AM-12743-07 Models for metabolic processes
 R01AM-13845-05 Water and electrolyte movement in renal tubules (rats, frogs)
 R01AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
 R01AM-13967-04 Regulation of energy metabolism in liver (rats)
 R01AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
 R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
 ** P01AM-15512-03 0011 University of Wisconsin program project in nephrology - Renal metabolism in health and disease (dogs, human, rats)
 R01AM-15893-01 Regulation of lipid metabolism in human adipose tissue (human)
 ** R01AM-16366-01 Binding sites on the mitochondrial ATPase (cattle)
 R01AM-16623-01 Metabolic adaptation of muscle and the need for creatine (rodents, chickens)
 P01AM-17433-01 0019 Cardiovascular, metabolic aspects of membrane transport - Ion transport and electrogenesis of isolated cells (E. coli, fungi, mitochondria)
 R01CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)
 ** R01CA-08964-08 Energy metabolism in normal and tumor cells (cattle, plants, microorganisms)
 P01CA-10893-06 0012 Cancer Research Center - Mitochondrial function in tumor growth (rats, rabbits)
 ** R01CA-10951-06 Control of enzymatic phosphate transfer in mitochondria (rats)
 ** P01CA-15655-01 0028 Cancer center support grant - Orientation of coupling factors (mammals)
 R01CA-16156-01 Metals and antitumor activity of thiosemicarbazones
 ** P01ES-00044-10 0003 Mechanisms of pesticide action - Action and metabolism of herbicides (plants, mammals nonhuman)
 P01ES-00049-10 0011 Mode of action and metabolism of organic toxicants - Respiratory uncouplers-Metabolism and photodegradation (mites)
 R01ES-00254-12 Selenium metabolism (bacteria, plants, rats, mice)
 R01ES-00412-06 0014 Mechanisms of insecticide resistance - Toxicity of herbicides (fish)
 R01ES-00664-03 Biochemistry of lead toxicity and its reversal (rats, dogs)
 R01ES-00894-01 Aqueous solution studies of arsenates and vanadates
 R01GM-05919-16 0015 Enzymatic activities of mitochondria - Solubilization and purification of the ADP-ATP carrier (rats)
 ** R01GM-05919-16 0019 Enzymatic activities of mitochondria - P:O ratio of oxidative phosphorylation in intact mammalian cells
 ** R01GM-11094-12 Enzymic phosphorylations and related mechanisms (bacteria)
 ** P01GM-12202-11 Cellular energy metabolism
 ** R01GM-12323-10 Biochemical genetics
 R01GM-12323-10 0001 Biochemical genetics - Heterogeneity of mitochondria in the house mouse
 R01GM-12323-10 0015 Biochemical genetics - Ethidium bromide effect on mouse mitochondria
 ** R01GM-12394-10 Components and pathways in biological oxidations (microorganisms, mammals, human)
 P01GM-12847-10 0022 Molecular biology of membrane systems - Transprotonase and energized release of protons
 ** P01GM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
 P01GM-12847-10 0024 Molecular biology of membrane systems - Supermolecule and control of coupling options
 ** R01GM-13641-09 Oxidative phosphorylation (cattle)
 P11GM-15431-08 0003 Research center for clinical pharmacology and drug toxicology - Action of guanethidine within adrenergic neurons (rats)
 R01GM-15884-09 Genetic modification of mitochondria
 R01GM-16564-06 Enzymatic and nonenzymatic reactions of acyl phosphates
 R01GM-16856-05 Nucleophilic reactions of DPN and its analogs
 ** R01GM-16974-05 Sulfonic acids as enzyme functional group (pseudomonas)
 R01GM-17607-04 Particulate microbial oxidoreductases
 P01GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)
 R01GM-18895-03 High-energy interactions in multi-heme systems (bacteria)
 R01GM-19311-03 Synthesis, conformation, and mode of action of tenatoin (plants)
 R01GM-19562-07 Pathways for ATP synthesis and utilization
 ** R01GM-19734-02 Photoaffinity labeling of mitochondria by uncouplers
 R01GM-19807-02 0003 Membrane permeability as a regulatory element - Role of protein synthesis in ripening (plants)
 R01GM-19807-02 0004 Membrane permeability as a regulatory element - Aerobiosis as an element in ripening (plants)
 R01GM-19807-02 0015 Membrane permeability as a regulatory element - Conditioning and activation energies of respiratory oxidations
 R01GM-19807-02 0016 Membrane permeability as a regulatory element - Need for ADP in the implementation of uncoupler action (plants)
 R01GM-19807-02 0017 Membrane permeability as a regulatory element - Substrate metabolism
 ** R01GM-19807-02 0018 Membrane permeability as a regulatory element - NADH oxidation by potato mitochondria
 R01GM-19837-02 Coordination of intracellular activities (rats)
 R01GM-19867-02 Altered mitochondrial function in shock (human, rabbits, rats, E. coli)
 ** R01GM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
 R01GM-20571-01 Iron-sulfur proteins as carriers in electron transfer
 ** R01GM-20662-02 Formation of electron transport in Hemophilus
 R01GM-21726-01 Molecular structure of a soluble monooxygenase (nematodes rats)
 ** P01HD-02274-08 0005 Mental retardation and child development - Developmental biochemistry (human, animals, yeasts)
 P01HD-05961-03 0002 Human and mammalian development - Development of mitochondria and their role in embryogenesis (human, rodents)
 P01HD-05961-03 0005 Human and mammalian development - Metabolism of achondroplastic cartilage cells (rabbits, human)
 P01HD-05970-03 0002 Metabolic and molecular changes in aging - Control of energy metabolism (nematodes)
 P01HD-07173-02 0003 Structure and function of aging human fibroblasts - Adenyl cyclase system and hormone receptors (WI 38)
 R01HD-08185-01 Nucleo-cytoplasmic interactions during development and aging (human, rats)
 ** R01HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
 R01HL-01813-20 Regulation of metabolism by drugs and hormones (rats)
 ** R01HL-05457-14 Biological oxidations (human, mammals, microorganisms)
 P01HL-06308-14 0002 Mechanisms and therapy of circulatory disease - Energy transduction and membrane structure in heart mitochondria (cattle)
 ** P01HL-06308-14 0008 Mechanisms and therapy of circulatory disease - Mechanism of uncoupling
 P01HL-08805-10 0007 Cardiovascular and pulmonary performance - Biochemical and cellular mechanisms of cardiac hypertrophy (hamsters)
 R01HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
 R01HL-11987-06 Metabolic and functional effects of renal ischemia (dogs)
 R01HL-12322-06 Extrinsic factors influencing myocardial performance (dogs)
 R01HL-12997-04 Myocardial defects induced by potassium depletion (human, rats, cats)
 R01HL-13029-05 Metabolic regulation of sugar transport (pigeons)
 R01HL-13584-03 Platelet preservation related to energy metabolism (human)
 ** P17HL-14138-04 0002 Center for research on atherosclerosis - Phosphorylated intermediates from stressed animals (pigeons, swine)
 P17HL-14148-04 0008 Hypertension center - Renal circulation in hypertensive patients (also dogs)
 P17HL-14159-04 0007 Specialized center of research in hypertension - Energy conservation in the hearts of spontaneously hypertensive rats
 P17HL-14177-04 0002 Center for prevention and treatment of atherosclerosis - Atherosclerotic arterial wall bioenergetics and lipid metabolism (rabbits, swine)
 P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
 P17HL-14217-04 0002 Specialized center of research in thrombosis - Biochemical studies of platelets and vascular smooth muscle (human)
 ** R01HL-14483-04 Ion transport and oxidative phosphorylation (cattle)
 ** R01HL-15013-03 Calcium effects on oxidative metabolism of lung tissue (mammals sub-human, birds)
 ** R01HL-15104-03 A mechanism for oxidative phosphorylation
 R01HL-15289-02 Platelet survival and function-Role of mitochondria (human)
 R01HL-16111-01 Integrated regulation of myocardial energy metabolism (rats, guinea pigs)
 ** P01HL-16251-01 0009 Membrane-bound enzymes in heart and other tissues - DPNH dehydrogenase and site I of oxidative phosphorylation (yeast)
 ** R01HL-16686-01 Properties of cytochrome oxidase (beef, yeast, bacteria)
 R01HL-16931-01 Red cell storage and transfusion (rabbits)
 R01HS-07402-07 Physiological regulation of cell metabolism (bivalves)
 P01HS-09704-04 0031 Developmental neurology - Development of neutral amino acid transport
 R01HS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
 R01HS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
 ** R01HS-11619-01 Respiratory energy metabolism in brain explants (rats)
 R01OH-00355-03 Interaction of coal dust with essential metals (rats)
 MOIRR-00037-14 0102 General clinical research center - Etiology of chondrodysplasias and other congenital growth deficiency in man
 MOIRR-00350-08 0085 General clinical research center - Medical treatment of acute cerebral infarction (human)

OXIDES (SEE ALSO SPECIFICS)

- SEE ALSO CARBON MONOXIDE
 SEE ALSO ETHERS
 SEE ALSO IRON OXIDES
 SEE ALSO METAL OXIDES
 SEE ALSO NITROGEN DIOXIDE
 SEE ALSO NITROGEN OXIDES
 SEE ALSO PEROXIDES
 SEE ALSO RADIOISOTOPES, ACTINIDE SERIES, THORIUM OXIDES
 SEE ALSO RESPIRATORY GASES
 SEE ALSO SULFOXIDES
 R01CA-10337-08 0003 Spin labeling and membrane structure - Effect of osmium tetroxide on motion along fatty acid drains (lobster, mice)
 ** R01CA-10742-06 The chemistry of N-dihydroxyprazoles
 ** R01CA-11537-04 Molecular structure of biological interest compounds
 R01GM-20080-02 Photooxidation in model biological systems
 R01HL-14847-03 Anticoagulants and metabolism of vitamin K

OXIDES, EPOXIDES

- SEE ALSO OXETANES
 SEE ALSO OXIRAMES
 R01AM-01107-18 Components of human gastric juice (human, mammals)
 R01AM-09688-10 Biochemical studies on steroids and prostaglandins (cattle)
 R01CA-07803-11 Biologically-active fatty acid derivatives
 ** R01CA-11479-05 Nuclear pathology and molecular carcinogenesis (mice)
 R01CA-11684-05 Mechanisms of drug action in normal and tumor cells (mice, human, rats)
 P01CA-12227-04 0013 Core program in carcinogenesis - Synthesis of carcinogenic compounds
 ** R01CA-12928-03 Epoxide hydrazide-Drug toxicity and carcinogenicity (guinea pigs, rats)
 R01CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
 R01CA-16265-01 Cytochrome P450 in carcinogenesis and steroid synthesis (rats, cattle)
 P13DE-02731-08 0009 Development support for dental research institute - Dental prosthetics-mechanics (human, rats)
 R01DE-02944-06 Structure and toxicogenic activities of dental compounds (mice)
 P01ES-00049-10 0018 Mode of action and metabolism of organic toxicants - Juvenoids-Radiosynthesis, metabolism, photolabration (insects, algae)
 R01ES-00362-16 Detoxication mechanisms in insects (houseflies)
 ** R01ES-00412-06 0009 Mechanisms of insecticide resistance - DDT conversion (fish)
 R01ES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
 ** P10ES-00928-01 0014 Environmental agents-Relation to human health effects - Epoxy exposure among painters
 ** P11GM-16216-06 0038 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism in the newborn-Hydroxylation and epoxidation (human, rodents)
 ** P11GM-16216-06 0045 Toxicological problems of drugs (placental transfer, lactation) - Epoxide formation as a mechanism of drug toxicity (mammals)
 ** P11GM-16216-06 0046 Toxicological problems of drugs (placental transfer, lactation) - Species difference with respect to toxicity (rabbits, rodents, human)
 ** P11GM-16216-06 0047 Toxicological problems of drugs (placental transfer, lactation) - Molecular basis of toxicity (placental transfer, lactation)
 ** P11GM-16216-06 0048 Toxicological problems of drugs (placental transfer, lactation) - Clinical use of drugs in the fetal and neonatal period (rats, guinea pigs)
 P11GM-16216-06 0054 Toxicological problems of drugs (placental transfer, lactation) - Basic studies on mechanisms of teratogenicity (mammals subhuman)
 P11GM-16216-06 0055 Toxicological problems of drugs (placental transfer, lactation) - Research approaches to treatment of organic chemical poisoning (mammals subhuman)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-16912-01 The role of vitamin K in prothrombin biosynthesis (rats)
 R01NS-06288-10 Metabolic fate of neuropharmacological agents (dogs, rats)
- OXIDES, N-OXIDES**
 SEE ALSO AMINES, TRIMETHYLAMINE
 SEE ALSO NITROGEN OXIDES
- ** P01CA-08748-09 5403 Research program of Sloan-Kettering Institute - Oncogenic effect and structure of purine N-oxides (rats)
 ** P01CA-08748-09 5412 Research program of Sloan-Kettering Institute - Effect of immunological status on purine N-oxide carcinogenesis in rats
 ** P01CA-08748-09 5703 Research program of Sloan-Kettering Institute - Photochemistry of purine N-oxides in oncogenesis
 ** R01CA-10337-08 Spin labeling and membrane structure
 R01CA-10977-10 ESR studies of biological free radical mechanisms (rodents)
 ** R01CA-11537-04 Molecular structure of biological interest compounds
 ** R01GM-16626-05 Biologically active heterocyclic N-oxides
- OXIDIZED LIPIDS**
 SEE LIPIDS, OXIDIZED LIPIDS
- OXIDOREDUCTASE INHIBITORS**
 SEE ENZYME INHIBITORS, OXIDOREDUCTASE INHIBITORS
- OXIDOREDUCTASES**
 SEE ALSO FLAVOPROTEIN ENZYMES
 SEE ALSO METALLOPROTEINS, CYTOPLASMIN
 SEE ALSO METALLOPROTEINS, CYTOCHROMES
 SEE ALSO NAD LINKED ENZYMES
 SEE ALSO NADP LINKED ENZYMES
 SEE ALSO OXYGENASES
 SEE ALSO PEROXIDASES
- R01AI-04672-11 Sulfate reducing bacteria
 ** R01AI-08173-07 Leukocyte oxidase activity and susceptibility to infection (human)
 ** R01AI-08573-07 0005 Genetics of lambda prophage - Biotin biosynthesis
 ** R01AI-09902-04 Microsomal mixed-function oxidases (flies)
 R01AM-07084-13 Hormonal control of sebaceous gland function (human)
 R01AM-07180-12 Mechanisms of oxygen metabolism (rabbits)
 ** R01AM-09313-09 Pyridine nucleotide-disulfide oxidoreductases (bacteria, yeast, swine)
 ** R01AM-09688-10 Biochemical studies on steroids and prostaglandins (cattle)
 R01AM-11674-08 0002 Bone metabolism in chronic disorders - Studies in Paget's disease (human)
 R01AM-15918-03 Selective inhibitors of steroid-transforming enzymes (mice, rats)
 P01CA-07175-11 0007 Cancer research at the McArdle laboratory - Protein structure-function relationships (human)
 ** R01CA-12876-03 Chemical and biochemical studies of pteridines (bacteria, animals)
 R01CA-13206-03 Pharmacology of repressible mixed-function oxidases (rats, guinea pigs)
 R26CA-15436-01 Test systems for drugs against prostatic cancer (rats, dogs, baboons)
 P01CA-15936-01 0006 Specialized Cancer Center - Kinetics (human)
 R01CA-16372-01 Leukocyte microbicidal mechanisms (human)
 R26CA-16418-01 Steroids with cytotoxic effects on the prostate (rats)
 P01ES-00049-10 0002 Mode of action and metabolism of organic toxicants - Pyrethroids metabolism (rats, mice, flies)
 P01ES-00049-10 0023 Mode of action and metabolism of organic toxicants - Biochemical genetics of insecticide chemical resistance in insects (flies)
 R01ES-00205-21 Insecticide metabolism in animals and microorganisms (plants, insects, mammals)
 R01ES-00296-06 Pesticide resistance studies (Pine mice)
 R01ES-00362-16 Detoxication mechanisms in insects (houseflies)
 ** R01ES-00400-06 Microsomal enzymes (army worms, mammals)
 R01ES-00412-06 0013 Mechanisms of insecticide resistance - Mechanism of resistance to rotenone and pyrethrum (fish)
 R01ES-00412-06 0015 Mechanisms of insecticide resistance - Effects of glucocorticoids on insecticide-degrading and target enzymes (fish)
 ** R01ES-00412-06 0017 Mechanisms of insecticide resistance - Induction of microsomal mixed function oxidases and esterases (fish)
 R01ES-00640-01 Aflatoxin metabolism by human liver
 R01GM-07065-14 Biosynthesis of isoprenoid hormones (plants)
 R01GM-08285-13 Thiamine function in nerve tissue (chick embryo)
 R01GM-11214-11 Structure and function of membranes in nitrifying bacteria
- ** R01GM-14595-08 0003 Continuity of cellular organelles - Chloramphenicol reductase (Euglena)
 R01GM-16834-06 0001 Flavoproteins-On-line computers-Instrumentation - Flavoprotein oxidases (bacteria)
 R01GM-16974-05 Sulfonic acids as enzyme functional group (pseudomonas)
 R01GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
 R01GM-18754-13 Biochemical model reactions
 R01GM-18939-03 Sulfanes in metabolism-Crystalline human rhodanese (also bacteria, animals)
 R01GM-19564-03 Enzymology of isoleucine and valine biosynthesis (bacteria)
 ** R01GM-19649-01 Ligand binding to allosteric enzymes
 R01GM-20454-02 Human gene linkage relationships in cell hybrids (human, mice, hamsters)
 ** R01GM-21015-01 Ribonucleoside diphosphate reductase (E coli mutants)
 ** R01GM-21085-01 Bovine lysyl oxidase and elastin
 ** R01GM-21726-01 Molecular structure of a soluble monooxygenase (nematodes rats)
 ** R01HD-05362-04 Ontogenetic studies of drug metabolism (human, rats, monkeys)
 R01HD-06883-01 Control of steroid hormone biosynthesis in pregnancy (human)
 P01HD-08338-01 0008 Control of male reproduction - Biosynthesis and 5-alpha reduction of androgens in marmoset testes
 ** R01HD-08708-01 Ontogenetic studies of drug metabolism (human, rats, monkeys)
 R01HL-09103-10 Sterol metabolism in tissue culture cells (human, rabbits)
 R01HL-10894-08 Role of intestinal bacteria in steroid metabolism (rats, human)
 R01HL-11614-07 Trace elements in nutrition (chickens, rats)
 R01HL-11768-06 Hypocholesterolemic agents-A biochemical approach (yeast, rats)
 R01HL-13581-07 Reactions of oxygen with heme proteins
 R01HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
 P01HL-16137-01 0005 Alveolar biology - Structural-functional patterns of alveolar cells and their organelles (animals)
 R01HL-16912-01 The role of vitamin K in prothrombin biosynthesis (rats)
- OXIDOREDUCTASES, ALCOHOL DEHYDROGENASES**
 ** R01AA-00186-03 Alcohol inducible effects and liver ADH isoenzymes (rats, human)
 R01AA-00191-03 Biochemical properties of human liver metalloenzymes
 R01AA-00233-04 Alcohol and aldehyde metabolizing dehydrogenases (human, rats)
 ** R01AA-00279-04 Specific activators of liver alcohol dehydrogenase (horses, human, rats)
 ** R01AA-00282-03 Control of the action of liver alcohol dehydrogenase
 R01AA-00288-03 Interaction of drug and ethanol metabolism (perfused liver, rats)
 ** R01AA-00292-04 The enzyme-substrate compound of catalase in alcoholism (animals)
 ** R01AA-00323-03 Prevention of adverse metabolic effects of alcohol
 ** R01AA-01395-02 Metabolic regulation of neuro-active aldehydes (rats, rabbits)
 R01AI-09116-06 Tissue enzymes and plasma proteins (rabbits)
 R01AM-10297-08 Thiamine metabolism in mammals (human, rats)
 R01AM-12789-06 Metal ion catalysis in enzymic reactions
 R01AM-12960-05 Ozonic acid metabolism and primary hyperoxaluria (rats, human)
 R01AM-13351-07 NMR studies of enzyme-metal-substrate interactions
 ** R01DE-03246-05 Biochemical mechanisms relevant to dental research (E coli)
 ** R01EY-01081-01 Enzymes of vision-Vitamin A metabolism (human, rat, cow, monkey)
 ** P11GM-12675-10 0054 Biochemical toxicology and pharmacology - Development of alcohol oxidizing systems (rats, human)
 ** P01GM-15003-13 0005 The biological functions of metals - Liver alcohol dehydrogenase (human)
 R01GM-15821-06 Development of new assays for enzymes and inhibitors (human, blood)
 ** R01GM-16564-06 Enzymatic and nonenzymatic reactions of acyl phosphates
 R01GM-17172-05 NMR study of enzyme-substrate interactions (microorganisms, mammals)
 ** R01GM-18254-04 Genetic and chemical analysis of alcohol dehydrogenase (Drosophila)
 R01GM-18754-13 Biochemical model reactions
 ** R01GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
 R01GM-19967-02 Genetic variability at the biochemical level (Drosophila, yeast)
 R01GM-20366-01 Substrate induced irreversible inhibition of enzymes (ungulates, yeast)
- ** R01GM-20627-01 Enzyme catalyzed hydrogen abstraction reactions (yeast, bacteria, swine)
 R01GM-21185-01 Mechanism of enzyme catalyzed oxidation-reductions (bacteria, yeasts)
 P18HL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)
 R01NS-08246-06 Metabolic error in Refsum's syndrome (human, rats)
 R01NS-12041-01 Biogenic aldehydes-A role in CNS function (mice)
- OXIDOREDUCTASES, ALDEHYDE DEHYDROGENASES**
 R01AA-00233-04 Alcohol and aldehyde metabolizing dehydrogenases (human, rats)
 ** R01AA-00263-04 Aldehyde metabolism and ethanol addiction (rabbits, mice, rats)
 R01AA-00293-03 Alcohol and behavior-A genetic and biochemical study (rodents, monkeys)
 ** R01AA-01395-02 Metabolic regulation of neuro-active aldehydes (rats, rabbits)
 ** R01EY-01081-01 Enzymes of vision-Vitamin A metabolism (human, rat, cow, monkey)
 ** P11GM-12675-10 0054 Biochemical toxicology and pharmacology - Development of alcohol oxidizing systems (rats, human)
 R01GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
 R01NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- OXIDOREDUCTASES, ALDEHYDE OXIDASE**
 ** R01CA-12876-03 Chemical and biochemical studies of pteridines (bacteria, animals)
 N01CM-33711-01 Selection and design of promising anticancer agents
- OXIDOREDUCTASES, ALDOSE REDUCTASE**
 R01AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
 R01AM-15019-03 Neuropathy in diabetes-Role of sorbitol pathway (human, rats)
 ** R01EY-00449-04 Aldose reductase subunits (yeast, mammals)
- OXIDOREDUCTASES, AMINE OXIDASE (PYRIDOXAL-CONTAINING)**
 R01AM-15189-09 Enzymatic formation of bile pigments (mice, squirrels, human)
 ** R01AM-17006-01 Instrumental methods and pyridoxal catalysis (pig)
 ** R01CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
 ** R01CA-12109-04 0006 Trophoblastic disease - Diamine oxidase
 R01ES-00841-01 Steady-state intoxication by simple hydrazines (rats)
 R01GM-16974-05 Sulfenic acids as enzyme functional group (pseudomonas)
 R01HD-06387-03 Polyamine metabolism in reproductive physiology (rats)
 R01HD-07476-01 Diamine metabolism in tissue growth (rat placenta)
 R01NS-11550-01 Behavioral pharmacology and transmitter metabolism (primates, birds, rodents)
 M01RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)
- OXIDOREDUCTASES, AMINO ACID OXIDASES**
 R01AI-05006-11 Nitrogen metabolism in gastropod molluscs
 R01AM-04585-14 Investigation of flavin systems (swine)
 R01AM-15057-04 Flavin-protein interactions in flavoenzyme catalysis (bacteria)
 ** P02CA-11067-05 0001 Clinical cancer research center - Host resistance factors and intensive supportive therapy
 P01CA-12227-04 0024 Core program in carcinogenesis - Reduction of nitrate to nitrite in rat tissues
 R01CA-13259-02 Enzyme injections and tumor growth (human, mice)
 R01CA-13449-02 Antitumor components from animal venoms (mice)
 ** P01CA-15655-01 0037 Cancer center support grant - D-amino acid oxidase and glutathione peroxidase (human)
 ** R01GM-11040-11 Mechanism of enzyme action (bacteria)
 R01GM-14276-10 Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs)
 ** P01HL-16251-01 0010 Membrane-bound enzymes in heart and other tissues - Reversible activation of L-amino acid oxidase (snakes)
- OXIDOREDUCTASES, L-ARABINOSE DEHYDROGENASE**
 R01AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- OXIDOREDUCTASES, ASCORBATE OXIDASE**
 M01RR-00082-12 0075 General clinical research center - Wilson's syndrome (human)

(contd)

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OXIDOREDUCTASES, CYTOCHROME B5

REDUCTASES

- RO1CA-10337-08 Spin labeling and membrane structure
RO1CA-15897-01 Aryl hydrocarbon hydroxylase induction in rat kidney
- ** RO1GM-15924-07 Structure-function studies on microsomal membrane (rabbits, cattle)
RO1GM-16488-06 0009 Hepatic microsomal drug oxidation - Electron transport complex of liver microsomes-An additional electron acceptor
RO1GM-20488-02 NMR studies of membrane bound proteins (cattle, chicken)
RO1GM-20520-01 Cytochromes in normal and altered hepatocyte membranes (human, mammals nonhuman)
RO1HD-01689-09 Biogenesis of intracellular membranes (rats, algae, bacteria)
RO1HL-13619-05 0001 Microsomal electron transport - Liver electron transport (pigs)
RO1HL-13619-05 0002 Microsomal electron transport - Extra hepatic electron transport (pigs)
RO1HL-13619-05 0003 Microsomal electron transport - Erythrocyte electron transport and methemoglobin (human)
- ** P07RR-00639-01 0005 Interdepartmental NMR facility health center - Cytochrome b5 and b5 reductase and lipids of endoplasmic reticulum

OXIDOREDUCTASES, CYTOCHROME OXIDASES

- RO1AI-08595-07 Biochemical genetics of membrane-associated enzymes (E coli, slime mold)
RO1AM-10072-10 Physical chemistry of human hemoproteins
RO1CA-02478-20 Chemotherapy of cancer-Experimental and clinical
- RO1CA-10337-08 0003 Spin labeling and membrane structure - Effect of osmium tetroxide on motion along fatty acid drains (lobster, mice)
- ** RO1CA-10337-08 0006 Spin labeling and membrane structure - Structure of cytochrome oxidase-phospholipid membrane vesicles
RO1ES-00412-06 0002 Mechanisms of insecticide resistance - Effect of dual insecticide exposure on uptake, binding and enzymes (fish)
PO1ES-00481-03 0005 Subcellular pathology of heavy metals - Effect of lead on renal mitochondria (rats)
RO1GM-06241-16 Properties of cytochrome oxidase (rats)
RO1GM-10067-12 Gene-enzyme relationships in Neurospora (also chickens, sea urchins, bacteria)
PO1GM-12202-11 Cellular energy metabolism
RO1GM-12228-11 Biosynthesis of respiratory enzymes (fungi)
RO1GM-12394-10 Components and pathways in biological oxidations (microorganisms, mammals, human)
PO1GM-12847-10 0019 Molecular biology of membrane systems - Structure of biological membranes
PO1GM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
PO1GM-12847-10 0025 Molecular biology of membrane systems - Energy coupling in mitochondria and other bioenergetics systems
RO1GM-14276-10 Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs)
PO1GM-15423-07 0045 Molecular basis of control mechanisms - Orientation of hemoglobin molecules in red blood cells
RO1GM-15883-10 Genetic structure and function in human cells
RO1GM-16320-06 Biogenesis of mitochondria (yeast)
RO1GM-16767-06 Reconstitution of mitochondrial respiratory chain
- ** RO1GM-17021-05 Induction and mode of action of hepatic drug oxidase (rats)
** RO1GM-18868-03 Biosynthesis of cytochrome oxidase (yeast, cattle)
** RO1GM-18895-03 High-energy interactions in multi-heme systems (bacteria)
RO1GM-19121-03 Mitochondrial membrane metabolic role of cytochrome C (animals, fungi)
** RO1GM-19123-03 Synthesis of mammalian mitochondrial hemoproteins (rats)
RO1GM-19398-01 Fungal spore germination and mitochondrial biogenesis
RO1GM-19410-03 Molecular genetics of membrane assembly in Neurospora
RO1GM-20488-02 NMR studies of membrane bound proteins (cattle, chicken)
RO1GM-20943-01 Mechanisms of biological redox reactions of copper
RO1GM-21337-01 Molecular mechanisms of biological redox reactions (yeast, spinach)
NO1HB-12104-06 Study ability of stored blood to transport oxygen (rabbits, human)
PO1HD-02274-08 0003 Mental retardation and child development - Somatic cell genetics (human)
PO1HD-05875-04 0011 Aging mechanisms of in vitro human cell systems - Mitochondria in cell senescence (WI-38)
- ** RO1HL-03444-16 0001 Alterations of arterial tissue in atherosclerosis - Oxidative capacity of succinic oxidase and cytochrome oxidase and cytochrome cxi

- ** RO1HL-03444-16 0002 Alterations of arterial tissue in atherosclerosis - Oxidative activity in homogenates of normal arterial tissue (human, rabbits, dogs)
** RO1HL-11553-06 Chemistry of electron-transfer proteins (mammals)
RO1HL-13003-05 Assembly of membranes in heart and yeast mitochondria
RO1HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
P17HL-14177-04 0014 Center for prevention and treatment of atherosclerosis - Sudden death (swine)
RO1HL-14508-06 Structure and function of respiratory hemoproteins
RO1HL-15054-03 Genetic control of heart differentiation (salamanders)
P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
RO1HL-15461-02 Hemoprotein interactions-Models of sickle hemoglobin (whale, tuna, insects)
PO1HL-15835-01 0013 Pennsylvania Muscle Institute - Cardiac bioenergetics (rats)
** RO1HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
** RO1HL-16686-01 Properties of cytochrome oxidase (beef, yeast, bacteria)
RO1NS-06850-08 Storage disease-intracellular transport and digestion (human, animals, plants)

OXIDOREDUCTASES, DEHYDROGENASES

- ** RO1AI-10214-04 Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture)
RO1AM-01255-18 General studies in steroid metabolism (animals, plants)
RO1AM-02448-16 Physiological functions and metabolism of thiamine (rats)
RO1AM-03718-15 Enzymatic paths and mechanisms in amino acid metabolism (animals, bacteria)
RO1AM-05384-13 Some metabolic pathways (pseudomonas, goldfish)
RO1AM-12511-06 Biochemical and fine structural effects of ethanol (human, rats, baboons)
** RO1AM-12523-05 Mechanism of hydrogenase and dehydrogenase action (bacteria)
RO1AM-12789-06 Metal ion catalysis in enzymic reactions
** RO1AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
** RO1AM-13988-05 Control of fatty acid metabolism in the intact animals (rats)
RO1AM-14315-06 Enzymology and metabolism of I-C and S compounds (rats, bacteria)
RO1AM-15057-04 Flaviv-protein interactions in flavoenzyme catalysis (bacteria)
** RO1AM-15332-03 UDP glucose dehydrogenase (cattle, E coli)
RO1AM-16784-02 Metabolism of branched chain alpha-keto acids (human, rats)
RO1CA-03641-18 The coupling of coenzyme-linked oxidoreductions
RO1CA-05387-12 Tumor initiation in vitro (crown gall tumor, bean leaves)
** PO1CA-06927-12 0012 Biological and biochemical program in cancer research - Biochemical factors in drug resistance
PO1CA-06927-12 0019 Biological and biochemical program in cancer research - Mechanism of action of metal activated enzymes
RO1CA-08390-09 Regulation of glutamine synthetase (bacteria)
** PO1CA-10748-07 0006 Cancer chemotherapy program - Effects of nucleotides and analogs on IMP dehydrogenase (rats, dogs, human)
** RO1CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
PO1CA-13526-03 0006 Correlated study of metabolic regulation in neoplasia - Regulation of pyrimidine metabolism (rats)
RO1CA-15648-01 Steroid dynamics in human, endometrial cancer (human)
NO1CM-33702-01 Tissue culture assay of antibiotic beers and purified preparations (mice)
P13DE-02623-08 0017 Center for oral health research - Growth, morphology and lactic acid metabolism of bacteria
P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)
RO1EY-01149-02 Physiology and psychology of vision (anurans)
RO1EY-01230-01 Physiology of visual pigment (fishes)
RO1EY-01313-01 Cortisol metabolism in glaucoma and cataract (human, rabbits and cats)
RO1GM-08521-14 and theory
RO1GM-10218-12 Mechanism of enzyme action
** RO1GM-11040-11 Mechanism of enzyme action (bacteria)
RO1GM-18962-01 Mechanisms of sugar transport in membrane vesicles (bacteria)
RO1GM-19388-03 Chemical and immunological studies of membrane ATPase (Bacillus megaterium)
RO1GM-19649-01 Ligand binding to allosteric enzymes
** RO1GM-20758-01 Prostaglandin dehydrogenase (cattle, rodents, human)

- PO1HD-02274-08 0005 Mental retardation and child development - Developmental biochemistry (human, animals, yeasts)
RO1HD-05085-08 Biosynthesis and action of female hormones (human)
RO1HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
RO1HL-02477-18 Biosynthesis and function of lipids (microorganisms)
** RO1HL-03444-16 0012 Alterations of arterial tissue in atherosclerosis - Quantitative biochemical methods of enzymes (human, dogs, rabbits)
** RO1HL-05457-14 Biological oxidations (human, mammals, microorganisms)
RO1HL-15740-02 In vitro studies on heart cell function (rats)
RO1HM-24393-02 0010 MHPG excretion, catecholamine metabolism, and depression - Routes of formation of MHPG (rodents)
RO1NS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)
RO1NS-10287-19 Metabolism of serine and related compounds (rats, swine)
MO1RR-00069-12 0100 General clinical research center, children - Glutaric acidemia

OXIDOREDUCTASES, DIHYDRO-OROTATE DEHYDROGENASE

- RO1HD-06538-03 Carbonyl enzymes and differentiation (bacteria, rats)

OXIDOREDUCTASES, FORMALDEHYDE DEHYDROGENASE

- RO1GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)

OXIDOREDUCTASES, GALACTOSE OXIDASE

- PO1AI-11576-02 0002 Lymphocyte biology - Lymphocyte membranes (mice)
** RO1AM-13448-06 Mechanistic study of some O2 oxidoreductases

OXIDOREDUCTASES, GLUCOSE DEHYDROGENASE

- RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
PO2CA-12197-03 0004 Multidisciplinary oncology research center - Metabolism of leukocytes in myeloproliferative disorders (human)
P17HL-15098-03 0002 Special center of research - Environmental lung disease - Enzyme activity alteration (monkeys)

OXIDOREDUCTASES, GLUCOSE OXIDASE

- RO1AM-15057-04 Flaviv-protein interactions in flavoenzyme catalysis (bacteria)
** RO1GM-11040-11 Mechanism of enzyme action (bacteria)
RO1GM-12176-10 0005 Redox reactions by optical and EPR spectrometry - Proton relaxation studies on flavoproteins
RO1GM-16133-07 0001 Immobilized enzymes to analyze and alter metabolism - Glucose enzyme electrode

OXIDOREDUCTASES, GLUCOSE-6-PHOSPHATE DEHYDROGENASE

- SEE ALSO METABOLIC DISORDERS INBORN, GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY
- ** PO1AM-00002-28 0015 Metabolic and hereditary disorders - Crystalline D-glucose 6-phosphate dehydrogenase (yeast)
** RO1AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)
** RO1AM-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
** RO1AM-09307-09 Study of G-6-PD isoenzymes (human)
RO1AM-11748-07 0004 Regulation of metabolic processes - Regulation of pentose phosphate cycle (rats)
PO1AM-13173-10 0009 Malignant and genetic alterations in human cells - Genetics (human)
RO1AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
** RO1AM-13324-06 Nutritional-hormonal control of G-6-PD dehydrogenase (rats)
** RO1AM-15059-04 Insulin and enzyme turnover in adipose and liver (rats)
** RO1AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
** RO1AM-16721-02 Hexose monophosphate shunt in genetic disease (human)
** RO1CA-12113-04 Genetics of X chromosomes and malignant hybridization (humans)
RO1CA-12188-03 0001 Mechanisms of enhanced asparaginase therapy - Impairment of host exogenous enzymes removal from blood by LDH-virus (mice)
PO2CA-12197-03 0007 Multidisciplinary oncology research center - Effect of colchicine on leukocyte metabolism (human)
PO2CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)
PO2CA-12197-03 0030 Multidisciplinary oncology research center - Pathophysiology of the leukocyte (human)

(contd)

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- P01CA-12227-04 0024 Core program in carcinogenesis - Reduction of nitrate to nitrite in rat tissues
- R01CA-12308-03 Isolation of animal cells containing suppressor RNAs (hamsters, rabbits)
- R01CA-12836-03 Biochemical basis of hormone responsiveness in breast (human, rats)
- R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- R26CA-16736-01 Enzymes in diagnosis and staging of prostatic cancer (human)
- ** N01ES-02288-04 Detection of human somatic mutations
- P01EY-00523-13 0004 Sensory disease clinical research center (eye disorders) - X-linked diseases (human)
- P01GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- ** P01GM-15253-08 0008 Genetics in medicine-Gene action in man - Genetically altered G6PD and PGK (human)
- ** P01GM-15253-08 0010 Genetics in medicine-Gene action in man - Polymorphism by methods other than electrophoresis
- ** P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
- ** P01GM-15253-08 0026 Genetics in medicine-Gene action in man - Variation at the G6PD locus
- P01GM-15253-08 0030 Genetics in medicine-Gene action in man - Identification of the second genetic factor in favism
- R01GM-15508-07 0002 Cell regulation and fetal proteins in neoplasia - Role of fetal protein in neoplasia (human, rats)
- R01GM-16224-17 Biochemical genetics of microorganisms (neurospora)
- P01GM-16593-06 0006 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hemolysis and methemoglobinemia induced by contrast media (human, dogs)
- P01GM-16593-06 0008 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media effects on oxygen carrying capacity of erythrocytes (human, dogs)
- P01GM-19100-03 0014 Genetics research center - Somatic cell approach in genetic analysis of mammals (equidae, mice, hamsters)
- P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- R01GM-19526-03 Active sites of enzymes (rabbits, fungi)
- R01GM-20393-01 Genetic control of temperature acclimatization in insects (*Drosophila*)
- R01GM-20700-01 Enzyme markers in the mapping of human genes
- P01GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
- R01GM-20919-01 Cytogenetics of the mouse
- R01GM-21098-01 Microbial mutants in central carbohydrate metabolism (*E coli*)
- ** R01GM-21198-07 Allosteric enzymes in *Pseudomonas* catabolism
- R01HD-00588-12 Biochemical genetics of cultured human cells (also rodents)
- R01HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
- P01HD-03015-08 0006 Program for developmental biology - Developmental genetics (human)
- ** P01HD-03015-08 0007 Program for developmental biology - Glucose-6-phosphate dehydrogenase mutants (*Neurospora*)
- R01HD-05465-04 0009 Genetic studies of human somatic cells - X-chromosomal inactivation (human)
- R01HD-05465-04 0010 Genetic studies of human somatic cells - Somatic cell hybridization (human, mice)
- P01HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
- P01HD-05894-04 0008 Genetic childhood diseases and aging - Enzyme mutants in neutrophil dysfunction syndrome (human)
- R01HD-05938-03 Contraceptive regulation of corpus luteum function (human, swine, cattle)
- ** R01HD-06712-03 Regulation of enzyme levels in brain (mice)
- R01HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
- R01HD-08444-01 Relation of tRNA to protein errors in aging rat liver
- R01HL-03444-16 0006 Alterations of arterial tissue in atherosclerosis - Enzyme histochemistry of normal and atherosclerotic aorta (dogs)
- P01HL-06350-13 0015 Hemostasis research program project - Formal genetics of hemostasis (human)
- ** R01HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
- ** R01HL-14474-03 Mechanisms of oxygen toxicity of the lung (rats)
- P18HL-15166-03 0001 Comprehensive sickle cell disease center - Mechanism of erythrocyte sickling (human)
- P01HL-16748-01 0004 Cellular and immunological bases of pulmonary diseases - Maturation cellular and immunology in pulmonary defense systems (rabbits)
- ** R01HL-17719-01 Mechanisms of oxygen toxicity of the lung (rats)
- R01MH-25521-01 Genetics of manic depressive illness-Bipolar type
- OXIDOREDUCTASES, GLUTAMIC DEHYDROGENASE**
- R01AA-00191-03 Biochemical properties of human liver metalloenzymes
- ** R01AM-13332-06 Metabolic regulation and interacting enzyme systems (cattle, rats)
- R01AM-13443-06 Enzymes of methylamine metabolism (bacteria, rats)
- R01AM-13912-04 Fluorescence studies of enzyme structure and function (elasmobranch)
- R01AM-13967-04 Regulation of energy metabolism in liver (rats)
- R01AM-15458-03 Oxidative metabolism of glutamine by the kidney (dogs, rats)
- R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- R01AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
- R01AM-16854-01 Steroid biosynthesis, transport and mechanism of action
- R01AM-17587-01 Regulation of mammalian amino acid metabolism (rats)
- R01CA-08390-09 Regulation of glutamine synthetase (bacteria)
- ** R01CA-12538-03 Cancer-Cell regulation and DNA repair (human, cattle, bacteria)
- R01CA-14969-02 0001 Radionuclide studies of tumors and growth - Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman)
- R01GM-05919-16 0013 Enzymatic activities of mitochondria - Isolation and properties of matrix reticular protein (rats)
- ** R01GM-11061-12 Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria)
- R01GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)
- R01GM-15053-08 Protein structure and function (*E coli*, yeast, rabbits, salmon)
- ** R01GM-15188-08 Structure and mechanisms of action of enzymes
- R01GM-17506-03 Enzyme studies-Mechanism of action and evolution (scallops, chickens)
- R01GM-18938-03 Determination of enzyme mechanisms by kinetic studies
- R01GM-21185-01 Mechanism of enzyme catalyzed oxidation-reductions (bacteria, yeasts)
- ** R01GM-21200-01 Affinity labels of nucleotide sites in dehydrogenases (cattle)
- R01NS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- OXIDOREDUCTASES, GLUTATHIONE:INSULIN OXIDOREDUCTASE**
- R01AM-03854-14 Regulation of insulin degradation (human, cattle, rats)
- OXIDOREDUCTASES, GLUTATHIONE REDUCTASE**
- R01AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)
- ** R01AM-09313-09 Pyridine nucleotide-disulfide oxidoreductases (bacteria, yeast, swine)
- R01AM-12413-07 Purine metabolism in gout (human, birds)
- P02AM-13430-05 0001 Research and heredity clinic - Hemolytic anemias (human)
- R01AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)
- R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- R22AM-16206-02 Malnutrition, infection, and human leukocyte metabolism
- P02CA-12197-03 0007 Multidisciplinary oncology research center - Effect of colchicine on leukocyte metabolism (human)
- P02CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)
- R01GM-19458-03 Electron transfer in pyruvate dehydrogenase complex (swine, microorganisms)
- R01HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)
- OXIDOREDUCTASES, GLYCERALDEHYDE PHOSPHATE DEHYDROGENASE**
- ** R01AI-03957-14 Metabolic control mechanisms (bacteria, mammals, non-human)
- R01AM-06482-12 Distortion of disulfide bridges in enzymes (plants)
- ** R01AM-09765-09 0003 Regulatory processes in biological systems - Glycerolaldehyde-3-phosphate dehydrogenase (human, fish, salmonella)
- ** R01AM-13115-11 Properties and metabolism of individual proteins (rabbits, yeasts)
- ** R01AM-13682-15 Metabolism of erythrocyte stroma (human, mice)
- R01AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
- P01AM-16716-01 0016 Pathophysiological bases of muscle diseases - Phosphate binding sites of muscle glycolytic enzymes (rabbits)
- ** P01CA-08748-09 5722 Research program of Slean-Kettering Institute - Interaction between glyceraldehyde-3-P and aspartate aminotransferase
- R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
- P01CA-14097-02 0001 Cancer research program-Viruses; Control mechanisms - Structure, function and interactions of biological macromolecules
- R23DE-03634-02 Regulation of carbohydrate catabolism in *Streptococcus mutans*
- R01GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
- ** R01GM-07884-13 3-Phosphoglycerate dehydrogenase (chickens)
- R01GM-10613-12 Enzymatic and non-enzymatic reactions of acetals
- R01GM-10704-12 Structural studies of protein subunits (dogfish, pigs, lobster)
- R01GM-11632-11 Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs)
- R01GM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- ** R01GM-13914-09 0001 Macromolecules of circulatory and genetic importance - Protein conformation (rabbits)
- ** R01GM-14595-08 0005 Continuity of cellular organelles - Chloroplast enzymes synthesized outside the chloroplast (*Euglena*)
- R01GM-16424-06 Enzyme systems using nuclear magnetic resonance
- ** R01GM-16564-06 Enzymatic and nonenzymatic reactions of acyl phosphates
- R01GM-16974-05 Sulfenic acids as enzyme functional group (pseudomonas)
- ** R01GM-19394-02 Membrane bound and soluble glycolytic enzymes (human, rabbit)
- P01GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
- ** R01GM-20294-01 Dehydrogenase structure and function (rabbit, yeast, lobster)
- R23HL-17165-01 Redox state of NADO in erythrocytes (human)
- ** P01NS-10175-03 0001 Neuromuscular disease research center - Muscle enzyme and penicillamine studies-Animal research
- ** P01NS-10175-03 0025 Neuromuscular disease research center - Myotonia-DFWI oxidase studies (goats)
- OXIDOREDUCTASES, GLYCEROL DEHYDROGENASE**
- ** R01AM-16740-02 Glycerol-3-P dehydrogenase-Role in lipid metabolism (birds, mice)
- R01CA-12836-03 Biochemical basis of hormone responsiveness in breast (human, rats)
- R01CA-15735-01 Metabolism and reducing equivalents in ascites tumor (mice)
- OXIDOREDUCTASES, GLYCEROPHOSPHATE DEHYDROGENASE**
- R01AM-11789-07 Active transport and membrane enzymes (bacteria)
- R01AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
- R01AM-15484-03 Some actions of thyroid hormone (rats, guinea pigs)
- R01AM-17447-01 Mechanisms of thyroid hormone action (rats, guinea pigs)
- ** R01CA-10250-08 Glycerol-P dehydrogenase in differentiation and cancer (rodents, rabbits, rats)
- R01CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- R01CA-16955-01 Glycerol transport and metabolism in tumor cells (human)
- R01GM-11983-11 Regulation of glycerol transport and metabolism (bacteria)
- P01GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
- R01GM-19198-01 Active transport mechanisms in normal and tumor cells (bacteria, cell lines)
- P01HD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)
- R01HD-06441-03 Peroxisomes in developing liver and kidney (dogs, pigs, rats)
- ** R01HD-06712-03 Regulation of enzyme levels in brain (mice)
- R01HL-02835-17 Renal transport carrier for organic compounds (dogs)
- R01HL-03444-16 0006 Alterations of arterial tissue in atherosclerosis - Enzyme histochemistry of normal and atherosclerotic aorta (dogs)
- R01HL-15013-03 Calcium effects on oxidative metabolism of lung tissue (mammals sub-human, birds)
- ** P01HL-16251-01 0006 Membrane-bound enzymes in heart and other tissues - Glycerophosphate dehydrogenase
- R01NS-08045-04 Cytochemical studies of skeletal muscle mitochondria (human, rodents)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

OXIDOREDUCTASES, GLYCOLATE OXIDASE

R01AM-12960-05 Oxalic acid metabolism and primary hyperoxaluria (rats, human)

OXIDOREDUCTASES, GLYOXYLATE REDUCTASE

R01AM-17551-02 Enzymatic and nonenzymatic reactions of glyoxylate (animals, plants, bacteria)

OXIDOREDUCTASES, HISTIDINOL**DEHYDROGENASE**

R01A-11516-01 Frameshift mutagenesis in *Salmonella typhimurium*

R01AM-12708-05 Histidine biosynthesis in animal development (human, mammals, chickens)

OXIDOREDUCTASES, HMG-COENZYME A REDUCTASE

R01AM-01383-18 Enzymatic synthesis of cholesterol and fatty acids (rats, pigeons, tomato)

** R01AM-06011-13 0013 Diet control of lipid metabolism - Permanence of suppression of HMG-CoA reductase (rats)

R01AM-06011-13 0014 Diet control of lipid metabolism - Effects of the nature of diet fat on cholesterol metabolism

R01AM-10628-09 Lipid metabolism in biological systems (rodents, cattle, monkeys)

** R01AM-12402-07 Regulation of enzymes in mevalonate synthesis (yeasts, human, rats)

** R01CA-02758-19 Steroid metabolism in tumors and normal tissues (mice)

** R01CA-15664-01 Cholesterol metabolism in hepatic neoplasms

R01HL-01875-21 Intermediary metabolism of cholesterol (rats)

** R01HL-05360-15 Cholesterol metabolism and hypocholesterolemic drugs (rats)

R01HL-11768-06 Hypocholesterolemic agents-A biochemical approach (yeast, rats)

R01HL-12745-06 0002 Enzymes and inhibitors of cholesterol biosynthesis - Trans-methylglutamate shunt and its existence in man

** R01HL-12745-06 0004 Enzymes and inhibitors of cholesterol biosynthesis - Leukocyte monitoring of lipid metabolism and anticholesteremic drugs (human)

P17HL-14164-04 0015 Arteriosclerosis research center - Regulation of cholesterol biosynthesis in pigeons and monkeys

** R01HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)

** R01HL-16364-01 0003 Regulation of lipid biosynthesis and transport - Genetic basis of hormone mediated regulation (rats)

** R01HL-16796-01 Cholesterol regulation by HMG-CoA reductase (rats, human)

OXIDOREDUCTASES, HOMOSERINE**DEHYDROGENASE**

R01A-03998-12 0002 Cellular regulatory mechanisms at the molecular level - Mechanism of allosteric interactions (bacteria, rabbit)

R01GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)

** R01GM-16917-06 Regulatory mechanisms of homoserine dehydrogenase (*E. coli*)

OXIDOREDUCTASES, HYDROGENASES**(GENERAL)**

** R01AM-02483-16 Metabolism of unsaturated fatty acids (rumen bacteria, mice, chickens)

** R01AM-12523-05 Mechanism of hydrogenase and dehydrogenase action (bacteria)

** P01GM-18470-03 0018 Trauma center - Assay for 15-hydroxy prostaglandin hydrogenase (human)

OXIDOREDUCTASES, HYDROXY ACID OXIDASE

** R01AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, *E. coli*)

OXIDOREDUCTASES, BETA-HYDROXYBUTYRATE**DEHYDROGENASE**

R01AM-14632-11 Membranes and organelles-Structure and function (human, rats)

** R01AM-15404-04 Regulation of pathways of intermediary metabolism (cattle)

P17AM-17026-01 0011 Vanderbilt University Diabetes-Endocrinology Center - Membranes and organelles-Structure and function (rats)

OXIDOREDUCTASES, HYDROXYSTEROID**DEHYDROGENASE(S) (GENERAL)**

R01AM-15708-03 Binding, biosynthesis and action of steroids (human)

R01AM-15918-03 Selective inhibitors of steroid-transforming enzymes (mice, rats)

R01CA-01393-24 Patterns of steroid metabolism in cancer (human, mice)

** P02CA-15145-01 0021 Cancer center support grant - Steroid 5 alpha-reductase activity in human brain tumors (rats)

OXIDOREDUCTASES, 3BETA-HYDROXYSTEROID DEHYDROGENASE

R01AM-16854-01 Steroid biosynthesis, transport and mechanism of action

R01HD-00371-20 Hormonal function in growth and development in childhood (human)

** R01HD-04005-06 Cytodifferentiation of steroid-secreting cells (guinea pigs)

** R01HD-04064-06 Role of steroid sulfates in gonadal tissue (human, sheep, rats)

R01HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)

P01HD-06645-03 0038 Center for population research - Role of gonadotropins and steroid hormones (amphibians, mammals)

R01HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)

** P01HD-07110-02 0013 Biomedical center for population research - Hormone protein interaction (human)

R01HD-07197-02 Steroid dynamics, (human, mammals)

W01RR-00125-11 0214 General clinical research center-adult-child - Adrenal and testicular function in male puberty with dehydrogenase deficiency

OXIDOREDUCTASES, DELTA 5,3BETA-**HYDROXYSTEROID DEHYDROGENASE**

R01HD-06579-02 Local control of progesterone levels in pregnancy (human, animal)

OXIDOREDUCTASES, 20ALPHA-**HYDROXYSTEROID DEHYDROGENASE**

R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)

R01AM-16854-01 Steroid biosynthesis, transport and mechanism of action

R01HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)

OXIDOREDUCTASES, ISOCITRATE**DEHYDROGENASE**

R01A-03046-15 Electron transport in microorganisms (bacteria, Protozoa)

** R01AM-15404-04 Regulation of pathways of intermediary metabolism (cattle)

R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)

** R01AM-17552-02 Effect of coenzymes on enzyme structure and function (swine)

R01DE-01523-13 Metabolic pathways in bone (mice)

P01GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)

P01GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macaca, mice)

R01GM-17506-03 Enzyme studies-Mechanism of action and evolution (scallop, chickens)

** R01GM-18701-03 Kinetics of enzyme activation by divalent metal ions

P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man

R01GM-19807-02 0015 Membrane permeability as a regulatory element - Conditioning and activation energies of respiratory oxidations

** R01GM-19948-05 Isocitrate dehydrogenase structure and activity (bacteria)

** R01GM-21200-01 Affinity labels of nucleotide sites in dehydrogenases (cattle)

R01HD-00827-11 Effect of RNA and DNA on cephalic terata (mice)

P01HD-02528-08 0083 Research center in mental retardation - Detection of brain destruction by serum isocitric dehydrogenase (human)

R01HD-08420-01 Prostate citrate metabolism (rats)

** R01HS-11905-01 Brain DPN-specific isocitric dehydrogenase (swine)

OXIDOREDUCTASES, LACTATE DEHYDROGENASE**SEE ALSO OXIDOREDUCTASES, D-LACTATE DEHYDROGENASE**

R01A-01808-17 Taxonomy and phylogeny of pseudomonads

R01A-11623-01 Objective detection of allergic reactions to foods (human)

** R01AM-12881-06 Interaction of subunits in enzymes (yeasts, rabbits)

R01AM-13307-06 Carbohydrate metabolism in uremia (human, rats)

R01AM-13912-04 Fluorescence studies of enzyme structure and function (elasmobranch)

R01AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)

R01AM-17551-02 Enzymatic and nonenzymatic reactions of glyoxylate (animals, plants, bacteria)

** R01CA-07617-12 Liver and hepatoma dehydrogenases (rats)

P01CA-08748-09 5921 Research program of Sloan-Kettering Institute - Serum enzyme alterations in renal necrosis (dogs)

** P02CA-08832-08 0135 An integrated study of advanced malignant diseases - LDH changes in patients receiving pulmonary radiation

R10CA-11233-06 Southwestern cooperative chemotherapy study group

** R01CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)

R01CA-12113-04 Genetics of X chromosomes and malignant hybridization (humans)

** R01CA-12188-03 0001 Mechanisms of enhanced asparaginase therapy - Impairment of host exogenous enzymes removal from blood by LDH-virus (mice)

R01CA-12188-03 0002 Mechanisms of enhanced asparaginase therapy - LDH virus impairment of antibody response to asparaginase

P02CA-12247-03 0005 Pediatric oncology center - Tumor characterization (human)

R01CA-12513-04 Regulatory role of estrogen in hamster tumors

** R01CA-12808-03 Protein turnover during neoplasia (rats)

R01CA-13028-03 Identification of breast cancer isoenzymes (human)

R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)

R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)

R01CA-14969-02 0001 Radionuclide studies of tumors and growth - Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman)

P02CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)

P02CA-15145-01 0053 Cancer center support grant - Breast cancer task force

** R26CA-15479-02 LDH isozymes and chromosomes in bladder carcinoma (rats, human)

R01CA-16073-01 Fetal isoenzymes as biologic markers (human)

** R26CA-16736-01 Enzymes in diagnosis and staging of prostatic cancer (human)

R01EY-00616-03 Diagnosis and etiology of intra-ocular tumor (human, rabbits)

** R01GM-06635-14 Characterization and specificity of enzyme systems

R01GM-09410-12 Hemoproteins, lysozyme and insulin (human, horses)

P01GM-10402-12 0020 Zoophysiology in Alaska - Effects of marathon run on untrained person

P01GM-10402-12 0021 Zoophysiology in Alaska - Extended work periods in arctic cold (human)

R01GM-10451-11 Kinetic analysis of enzyme catalysis

R01GM-10704-12 Structural studies of protein subunits (dogfish, pigs, lobster)

R01GM-11223-12 Protein configuration by fluorescence techniques

P01GM-15003-13 0013 The biological functions of metals - Intracellular enzyme inhibitors (human, *E. coli*, plants)

P11GM-15559-07 0033 Clinical pharmacology - Drugs at the cellular and sub-cellular level (rats)

R01GM-15821-06 Development of new assays for enzymes and inhibitors (human, blood)

P01GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)

R01GM-18002-03 Intermediates in NAD-dependent dehydrogenases (rats, horses)

P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man

R01GM-20285-02 Developmental changes in erythrocyte and sperm proteins (frogs, mice)

** R01GM-20878-01 Optimized interlaboratory enzyme assays-LDH, AspAT (human)

** R01HD-05263-04 Sperm-specific enzymes and male fertility (human, pigeons, mice)

R01HD-05465-04 0010 Genetic studies of human somatic cells - Somatic cell hybridization (human, mice)

P01HD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)

** R01HD-05863-03 Reproductive biochemistry of testes specific LDH-X (mice, human)

P01HD-07173-02 0001 Structure and function of aging human fibroblasts - Composition, immunology, enzymes and transport in cell membranes (WI 38)

R01HD-07741-01 Biochemical and cellular analyses of embryonic development (marine fish, mammals)

R01HL-03444-16 0006 Alterations of arterial tissue in atherosclerosis - Enzyme histochemistry of normal and atherosclerotic aorta (dogs)

P01HL-06312-13 0014 Surgical cardiology - Enzyme patterns following cardiac surgery (human)

R01HL-11119-13 Amino acid analyzer for biochemical research (bacteria, mammals nonhuman)

P01HL-12373-06 0007 Cardiopulmonary physiology and pathophysiology - Contractility in normal and failing myocardium (rabbits, guinea pigs)

P17HL-15098-03 0002 Special center of research-Environmental lung disease - Enzyme activity alteration (monkeys)

R23HL-17165-01 Redox state of NAD0 in erythrocytes (human)

R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-16127-06 0007 Muscle enzyme release in the acute psychosis 2 Phencyclidine followed by restraint (rats)
- R01MH-16127-06 0009 Muscle enzyme release in the acute psychoses - Effect of psychomimetic drugs, and epinephrine in PCPK levels (rats)
- R01NS-10385-01 Duchenne's muscular dystrophy-Therapy and basic studies (rabbits, human)
- R01NS-10546-08 Brain and tumor phosphotransferases (cattle, mice)
- ** P07RR-00267-09 0105 Biomedical data processing unit - Serum LDH evaluation (human)
- OXIDOREDUCTASES, D-LACTATE DEHYDROGENASE**
- R01AM-11789-07 Active transport and membrane enzymes (bacteria)
- ** R01GM-17607-04 Particulate microbial oxidoreductases
- OXIDOREDUCTASES, LACTIC ALDEHYDE DEHYDROGENASE**
- R01AI-11462-01 Comparative immunology of related Moraxella proteins
- R01NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
- M01RR-00287-08 0023 General clinical research center - Trace metals and enzymes in healing wounds (human)
- OXIDOREDUCTASES, LIPOXIDASE**
- R01FD-00050-12 Water content and lipid oxidation in dehydrated foods
- R01GM-19807-02 0006 Membrane permeability as a regulatory element - Respiratory substrates in preclimacteric and climacteric fruit
- OXIDOREDUCTASES, MALATE DEHYDROGENASE**
- ** R01AI-10263-01 Structure and physiological function of malic enzymes (helminths)
- R01AI-10788-02 Variant step in glycolysis pathway by parasitic ameba
- ** R01AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- R01AM-13390-07 Mechanism of fatty acid synthesis in animals (chickens, pigeons)
- R01AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- R01AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
- ** R01CA-07617-12 Liver and hepatoma dehydrogenases (rats)
- R01CA-13028-03 Identification of breast cancer isoenzymes (human)
- R01CA-16073-01 Fetal isoenzymes as biologic markers (human)
- R01GM-05919-16 0013 Enzymatic activities of mitochondria - Isolation and properties of matrix reticular protein (rats)
- P01GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- P01GM-11546-11 Quantitative genetics research (Drosophila, maize, spiders, bacteria)
- ** R01GM-12551-10 Molecular mechanisms of biological control (bacteria)
- R01GM-13292-10 Kinetics of physiologically important reactions (rabbits, bacteria, cattle)
- ** R01GM-13925-09 Structural studies on malate dehydrogenases (swine, sheep)
- P01GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
- ** R01GM-17607-04 Particulate microbial oxidoreductases
- ** R01GM-18701-03 Kinetics of enzyme activation by divalent metal ions
- R01GM-18938-03 Determination of enzyme mechanisms by kinetic studies
- ** R01HL-03226-16 Enzyme catalytic mechanism studies (swine)
- ** R01HL-12585-06 Structural properties of malate dehydrogenase (swine)
- ** R01HL-13035-05 Heart mitochondrial malate dehydrogenase regulation
- OXIDOREDUCTASES, 5,10-METHYLENETETRAHYDROFOLATE REDUCTASE**
- R01AM-15531-03 Membrane transport of amino acids (human, rabbits)
- R01AM-16950-01 Serine and threonine metabolism (sheep)
- OXIDOREDUCTASES, MONOAMINE OXIDASE**
- SEE ALSO ENZYME INHIBITORS, MONOAMINE OXIDASE INHIBITORS
- R03AA-00092-01 Aldehyde binding-Distribution and specificity (mammals nonhuman)
- R01AA-00191-03 Biochemical properties of human liver metalloenzymes
- R01AM-04585-14 Investigation of flavin systems (swine)
- R01AM-12957-06 Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens)
- R01AM-13897-05 Cellular adaptations to malnutrition (rats)
- R01AM-15347-04 False neurotransmitters and heptatic failure (humans, rabbits, rats)
- R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- ** R01AM-17468-01 Immunochemical studies of multiple forms of MAO
- R01AM-32210-02 Nitrogen metabolism in uremia (human)
- R01DA-00109-03 Morphine tolerance and high sensitivity measurement (rats)
- R01DA-00991-01 Chronic cardiovascular effects of marahuana (dogs)
- P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)
- R01ES-00841-01 Steady-state intoxication by simple hydrazines (rats)
- R01GM-12633-11 Enzyme mechanisms and enzyme inhibitors (rats)
- P01GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
- P01GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- R01GM-20366-01 Substrate induced irreversible inhibition of enzymes (ungulates, yeast)
- P01HD-02274-08 0152 Mental retardation and child development - Enzyme studies on epileptic models
- P01HD-03008-07 0030 Cognition and motivation in the retarded - Biology and competence
- P01HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
- P01HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
- P01HD-06276-03 0073 Mental retardation research program - Catecholamine neurochemistry
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- R01HL-12647-05 Norepinephrine in vascular tissue
- R01HL-12647-05 0001 Norepinephrine in vascular tissue - Inactivation of norepinephrine in vascular tissue (rabbits)
- R01HL-13619-05 0001 Microsomal electron transport - Liver electron transport (pigs)
- R01HL-14623-02 Multiphase chemistry of human heart muscle (and dogs)
- ** R01HL-15426-01 Cardiac monoamine oxidase (rats, human, guinea pigs)
- ** R01HL-16251-01 0005 Membrane-bound enzymes in heart and other tissues - Monoamine oxidase
- R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)
- ** R10MH-04669-14 0006 Controlled drug evaluation - Platelet MAO activity in psychiatric patients
- ** P01MH-13002-06 0038 Clinical and laboratory studies of affective disorder - Brain specific monoamine oxidase-Suicide vs normal
- ** R01MH-19734-04 Isoenzymes of monoamine oxidase in developing brain (human, chick embryo)
- R01MH-20686-03 Psychotropic agents and aminergic receptors
- ** R01MH-21539-03 Chemistry and mechanism of action of monoamine oxidase (cattle)
- P01MH-21586-02 Biogenetic studies of the affective disorders
- ** R01MH-24607-01 Monoamines and mental illness (primates)
- ** R01MH-25116-01 MAO, DBH and ATPase in psychosis (human)
- ** R01MH-25504-01 Neuroleptics and antidepressants on central MAO neurons
- P01MH-25515-01 0002 Collaborative biological research on schizophrenia - Cell biology-Normals, schizophrenics and bipolar depressives (human)
- P01MH-25515-01 0011 Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
- P01MH-25515-01 0014 Collaborative biological research on schizophrenia - Biological markers or correlates of schizophrenia
- P01MH-25515-01 0019 Collaborative biological research on schizophrenia - Platelet monoamine oxidase activity and blood histamine levels in schizophrenics
- R01NS-09763-03 Role of indole amines in brain maturation (mice, toads)
- R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- R01NS-10163-03 0006 Acute spinal cord injury center - Enzymatic studies (cats)
- R01NS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
- R01NS-11137-02 Neurochemical correlates of experimental cretinism (rats)
- R01NS-11550-01 Behavioral pharmacology and transmitter metabolism (primates, birds, rodents)
- P01NS-11642-01 0004 Basic and clinical neuroendocrinology - Cytoarchitectonics in the developing endocrine hypothalamus (rats)
- P01NS-11642-01 0007 Basic and clinical neuroendocrinology - Monosodium glutamate induced lesion of the arcuate nucleus
- R01NS-12041-01 Biogenic aldehydes-A role in CNS function (mice)
- M01RR-00645-03 0010 Clinical research center - Forms of iatrogenic hypertension (human)
- OXIDOREDUCTASES, NADH2 DIAPHORASE**
- ** R01AM-09313-09 Pyridine nucleotide-disulfide oxidoreductases (bacteria, yeast, swine)
- P01ES-00226-08 0001 Comparative environmental toxicology - Atmospheric load and other agents interaction (rodents, rabbits, monkeys, human)
- R01GM-19458-03 Electron transfer in pyruvate dehydrogenase complex (swine, microorganisms)
- R01GM-21189-01 Structural studies of biological complexes
- R01HL-03444-16 0006 Alterations of arterial tissue in atherosclerosis - Enzyme histochemistry of normal and atherosclerotic aorta (dogs)
- ** R01HL-03444-16 0012 Alterations of arterial tissue in atherosclerosis - Quantitative biochemical methods of enzymes (human, dogs, rabbits)
- P17HL-15098-03 0002 Special center of research-Environmental lung disease - Enzyme activity alteration (monkeys)
- OXIDOREDUCTASES, NAD(P) TRANSHYDROGENASE**
- R01AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)
- R01AM-12104-07 Regulation of coenzymes in biological systems (bacteria, rats, HeLa cells)
- R01CA-03641-18 The coupling of coenzyme-linked oxidoreductions
- R01CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- R01GM-13641-09 Oxidative phosphorylation (cattle)
- R01GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
- ** R01GM-19269-03 Membrane interactions in energy-linked reactions (bacteria)
- R01HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
- P17HL-14138-04 0005 Center for research on atherosclerosis - Metabolic ultrastructural correlations (pigs)
- OXIDOREDUCTASES, NADPH2 CYTOCHROME C REDUCTASE**
- R01AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
- R01AM-16774-02 Structural parameters in hepatic disease (rats)
- P01CA-10748-07 0006 Cancer chemotherapy program - Effects of nucleotides and analogs on IMP dehydrogenase (rats, dogs, human)
- P01CA-12227-04 0001 Core program in carcinogenesis - Biochemical manifestations of aging (rats)
- P01ES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)
- P11GM-15477-08 0003 Drug metabolism and biochemical pharmacology - Drug binding sites of P450 hemoproteins (rats, rabbits)
- ** P11GM-15477-08 0048 Drug metabolism and biochemical pharmacology - P-450 hemoproteins and NADPH-cytochrome c reductase (A-27) (rats)
- R01GM-16488-06 0011 Hepatic microsomal drug oxidation - Effect of inhibitors on electron transport-Specific antibodies (human, mammals)
- R01GM-12226-14 Oxidations in mitochondria and microsomes (bacteria, mammals, spinach)
- R01HD-04839-05 0001 Metabolism of drug substrates by human placenta - Analysis of placental cytochrome P-450
- P01HD-05874-04 0001 Biochemical regulation of aging processes - Age-dependent control of enzyme adaptation (rats)
- ** R01HL-13619-05 Microsomal electron transport
- R23HL-17134-01 Metabolism of xenobiotic compounds in lung (rats, hamsters)
- OXIDOREDUCTASES, NITRATE REDUCTASE**
- R01AI-01071-18 *Corynebacterium diphtheriae* and its viruses
- ** R01AM-12788-23 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- R01FD-00282-04 Nitrate and nitrite accumulation in vegetables (spinach)
- R01GM-17170-04 EPR and x-ray studies of electron-transfer enzymes (rats, guinea pigs)
- ** R01GM-18006-03 Membranes of bacteria and tumor cells (E coli)
- ** R01GM-18955-06 Enzymology of nitrate assimilation (fungi, marine diatoms)
- ** R01GM-19511-03 Assembly of a membrane-bound multi-enzyme complex
- ** R01GM-21131-24 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- ** R01HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
- OXIDOREDUCTASES, OROTIC DEHYDROGENASE**
- R01CA-02924-18 Synthesis and testing of metabolic analogs (protozoa)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

OXIDOREDUCTASES, OXOGLUTARATE DEHYDROGENASE

- RO1AM-06850-12 Nutritional needs as influenced by genetic variation (chickens)
- RO1AM-13967-04 Regulation of energy metabolism in liver (rats)
- ** RO1GM-06590-15 Biochemistry of alpha-keto acid dehydrogenase complexes (E coli, rats, cattle)
- ** RO1GM-19118-03 Ketoglutarate dehydrogenase complex formation (cattle, E coli)
- ** RO1GM-21189-01 Structural studies of biological complexes
- RO1HD-06599-03 Inhibition of myelinogenesis in genetic diseases (rats, mice, human)
- ** RO1HL-14055-04 Alpha-keto acid metabolism in heart, kidney, and liver (rats, yeast)
- RO1HL-16111-01 Integrated regulation of myocardial energy metabolism (rats, guinea pigs)

OXIDOREDUCTASES, PHOSPHOGLUCONATE DEHYDROGENASE

SEE ALSO METABOLIC DISORDERS INBORN, G-PHOSPHOGLUCONATE DEHYDROGENASE DEFICIENCY

- ** RO1AM-13324-06 Nutritional-hormonal control of G-6-P04 dehydrogenase (rats)
- PO1GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- RO1GM-16224-17 Biochemical genetics of microorganisms (neurospora)
- PO1GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- RO1GM-19962-02 Human autosomal gene linkage
- RO1GM-20393-01 Genetic control of temperature acclimatization in insects (Drosophila)
- PO1GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
- PO1GM-21054-01 0005 Human genetics center - Genetic linkage
- RO1HD-08444-01 Relation of tRNA to protein errors in aging rat liver
- ** PO1HL-10098-10 0029 Primates in cardiovascular research - Iron deficiency anemia and iron utilization
- PO1HL-16748-01 0004 Cellular and immunological bases of pulmonary diseases - Maturation cellular and immunology in pulmonary defense systems (rabbits)

OXIDOREDUCTASES, PYRUVATE DEHYDROGENASE

- ** RO1AM-08076-11 Action of insulin on enzymes of adipose tissue (rats, cattle)
- PO1AM-08681-09 0026 Diseases of liver and portal circulation - Tissue enzymes and metabolic pathways
- RO1AM-12245-07 Structure of biotin enzymes (cattle, birds, microorganisms)
- RO1AM-12606-11 Biochemical aspects of electrolyte transport (rats, rabbits, frogs, toads)
- ** RO1AM-13499-06 Regulation of liver growth and function (rats)
- ** RO1AM-13502-06 Enzyme catalysis of electron and group transfer (bacteria)
- RO1AM-13967-04 Regulation of energy metabolism in liver (rats)
- P17AM-17026-01 0008 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of liver metabolism
- RO1AM-17776-01 Phosphopeptide metabolism in adipocytes (rats)
- ** RO1AM-18092-01 Action of insulin on enzymes of adipose tissue (rats)
- PO1CA-12227-04 0017 Core program in carcinogenesis - Glucose utilization and synthesis in liver (human, rats, dogs)
- RO1GM-06590-15 Biochemistry of alpha-keto acid dehydrogenase complexes (E coli, rats, cattle)
- RO1GM-13292-10 Kinetics of physiologically important reactions (rabbits, bacteria, cattle)
- ** RO1GM-19458-03 Electron transfer in pyruvate dehydrogenase complex (swine, microorganisms)
- ** RO1GM-21189-01 Structural studies of biological complexes
- PO1HD-05874-04 0007 Biochemical regulation of aging processes - Development of mitochondrial metabolism in brain (guinea pigs)
- PO1HD-06576-01 0003 Molecular aspects of mental retardation - Disorders of pyruvate metabolism (human, animals)
- ** RO1HD-06599-03 Inhibition of myelinogenesis in genetic diseases (rats, mice, human)
- OXIDOREDUCTASES, PYRUVATE OXIDASE**
- PO1ES-00481-03 0005 Subcellular pathology of heavy metals - Effect of lead on renal mitochondria (rats)
- RO1GM-07768-14 Enzymatic activation mechanisms (E coli)
- RO1HL-16101-01 Protein-lipid interaction (bacteria)
- OXIDOREDUCTASES, RIBITOL DEHYDROGENASE**
- RO1AM-12713-06 Studies on steroid hydroxylases (mammals, plants)

OXIDOREDUCTASES, SARCOSINE-O2 OXIDOREDUCTASE

- ** RO1AM-14315-06 Enzymology and metabolism of 1-C and S compounds (rats, bacteria)
- ** PO1HD-05342-04 0003 Mental retardation and brain development - Hypersarcosinemia and sarcosine metabolism (rats)

OXIDOREDUCTASES, SORBITOL DEHYDROGENASE

- RO1GM-18002-03 Intermediates in NAD-dependent dehydrogenases (rats, horses)
- PO1HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)

OXIDOREDUCTASES, STEROID DEHYDROGENASES

- ** RO1AM-07422-11 Biochemical pharmacology of steroid hormones (mammals, bacteria)
- PO1AM-08445-10 0006 Biology of skin of man and other primates - Electron histochemistry of sebaceous glands (primaries, human)
- ** RO1AM-16729-01 Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs)
- ** PO1CA-10815-06 0066 Consolidated basic cancer research program - Enzymatic reduction of cholesterol precursors (human, mouse cells)
- RO1HD-07972-01 Ovarian involution in aging (rats)

OXIDOREDUCTASES, SUCCINATE-(ACCEPTOR) OXIDOREDUCTASE

- RO1AM-08126-11 Energy generation and conservation in mitochondria
- PO2CA-13148-03 0025 Pilot cancer center - Electrical potentials in gastric carcinoma (rabbits, human, guinea pigs, dogs)
- RO1ES-00412-06 0002 Mechanisms of insecticide resistance - Effect of dual insecticide exposure on uptake, binding and enzymes (fish)
- ** RO1ES-00412-06 0004 Mechanisms of insecticide resistance - Oxidative enzyme studies (fish)
- PO1ES-00481-03 0005 Subcellular pathology of heavy metals - Effect of lead on renal mitochondria (rats)
- PO1GM-12202-11 Cellular energy metabolism
- RO1GM-16767-06 Reconstitution of mitochondrial respiratory chain
- RO1GM-19416-03 Genetic control of development (bacteria)
- RO1HD-07340-01 Membranogenesis in cratiniism and hyperthyroidism
- ** RO1HL-03444-16 0001 Alterations of arterial tissue in atherosclerosis - Oxidative capacity of succinic oxidase and cytochrome oxidase and cytochrome cxi
- ** RO1HL-03444-16 0002 Alterations of arterial tissue in atherosclerosis - Oxidative activity in homogenates of normal arterial tissue (human, rabbits, dogs)
- RO1HL-03444-16 0006 Alterations of arterial tissue in atherosclerosis - Enzyme histochemistry of normal and atherosclerotic aorta (dogs)
- P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial call injury and multiplication in cholesterol feeding
- RO1HL-15054-03 Genetic control of heart differentiation (salamanders)
- ** PO1HL-16251-01 0002 Membrane-bound enzymes in heart and other tissues - Structural basis of regulation of cardiac succinate dehydrogenase
- ** PO1HL-16251-01 0003 Membrane-bound enzymes in heart and other tissues - Regulation of succinate dehydrogenase (mammals)
- ** PO1HL-16251-01 0004 Membrane-bound enzymes in heart and other tissues - Biosynthesis and degradation of succinate dehydrogenase, histidyl yeast, mammal
- ** PO1HL-16251-01 0008 Membrane-bound enzymes in heart and other tissues - Iron-sulfur centers and modulation of succinate dehydrogenase

OXIDOREDUCTASES, SULFITE REDUCTASE

- SEE ALSO OXIDOREDUCTASES, NADH2 DIAPHORASE
- RO1GM-00091-29 Structure, function of enzymes—Role of metals (rat)

OXIDOREDUCTASES, TETRAHYDROFOLATE DEHYDROGENASE

- RO1AI-06336-10 Chemistry of phage invasion, structure and assembly
- RO1AM-11649-06 Percutaneous absorption (human, rats, mice)
- RO1AM-16622-02 Pterins in clinical patients
- RO1CA-03728-17 0002 Metabolism of normal and leukemic leukocytes - The methylfolate trap hypothesis of vitamin B12 action (human)
- ** RO1CA-04670-15 Hybridization, DNA function, mutation in cell culture (human, rodents)
- RO1CA-05462-14 Acute leukemia cooperative study group B
- ** RO1CA-06522-13 Folate coenzymes—Mechanism of action and transport
- RO1CA-07522-10 Cofactor inhibition of thymidylate synthetase
- PO2CA-08341-09 0004 Clinical pharmacology and cancer chemotherapy - Methotrexate resistance (human, mice)

- PO2CA-08341-09 0046 Clinical pharmacology and cancer chemotherapy - Studies of folate antagonists (human, rats, mice, dogs)
- PO1CA-08748-09 7401 Research program of Sloan-Kettering Institute - Activity and toxicity of 2, 4-diaminoquinazolines (mice, hamsters)
- PO1CA-08748-09 7402 Research program of Sloan-Kettering Institute - Suspension cultures of resistant L1210 leukemia
- PO1CA-08748-09 7404 Research program of Sloan-Kettering Institute - Decreased oncogenic potential in resistant mouse leukemia
- ** PO1CA-08748-09 7408 Research program of Sloan-Kettering Institute - Synthesis of dihydrofolate reductase in antifolate-resistant cells
- PO1CA-08748-09 7413 Research program of Sloan-Kettering Institute - Drug resistance and chromosomal alteration (hamsters, mice)
- PO1CA-08748-09 7418 Research program of Sloan-Kettering Institute - Cytotoxicity of antifolate drugs for leukemia cells (mice)
- ** RO1CA-08976-08 Folate reductase induction, suppression, therapeutics (human, rabbits, bacteria)
- ** PO1CA-10748-07 0002 Cancer chemotherapy program - Mechanism of action of folate antagonists (human, mice)
- ** RO1CA-10914-06 Studies on homofolic acid derivatives (bacteria)
- ** RO1CA-11666-05 Structure-function studies of dihydrofolate reductase (chickens)
- RO1CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- RO1CA-11778-05 Chemistry of folate and pteridine coenzymes
- ** RO1CA-12186-04 Studies of potential anti-cancer agents
- ** RO1CA-13840-02 Structural studies on dihydrofolate reductase (bacteria, cattle)
- ** PO2CA-13943-02 0016 Clinical pharmacology immunology cancer research center - Enzymic determination of serum folate
- RO1CA-14078-02 Development of new anticancer agents (mice, rats)
- RO1CA-14230-02 Antifolates in leukemia and graft-versus-host disease (human, mice)
- RO1CA-14615-01 Synthesis and evaluation of new folate antagonists
- ** RO1CA-15535-01 Specific inhibition of dihydrofolate reductase
- RO1CA-15645-01 NMR studies of folate-enzyme interactions
- RO1CA-15659-01 Inhibition of pteridine enzymes in cancer chemotherapy (rats, human)
- RO1CA-15879-01 Stereochemical principles for anti-cancer drugs
- ** RO1CA-16318-01 Molecular mechanisms in resistance to folate analogues (mice)
- PO1CA-16359-01 0015 Cancer center support grant - Action of folate antagonists and B12-folate (human)
- ** RO1CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)
- RO1CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
- NO1CM-33711-01 Selection and design of promising anticancer agents
- ** NO1CM-33748-01 Human dihydrofolate reductase (human, animals)
- RO1GM-10224-12 Conformational analysis by NMR
- PO1GM-15731-06 0001 Proteolytic enzymes—Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
- RO1GM-16306-06 Organization and expression of the genome of bacteriophage T4 (E coli)
- ** PO7RR-00757-02 0022 Implementation of laboratory automation system - Crystallization of dihydrofolate reductase and thymidylate synthetase

OXIDOREDUCTASES, URATE OXIDASE

- P11GM-15759-08 0031 Clinical pharmacology in rheumatic and muscular diseases - Oxonate inhibition of uricase in rats—Experimental model for gouty nephropathy
- RO1GM-20946-01 Nonimmunogenic enzymes for therapeutic use (mammals, fungi, bacteria)
- MO1RR-00827-01 0034 General clinical research center - Enzyme replacement therapy through extracorporeal circulation (chickens)

OXIDOREDUCTASES, URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE

- ** RO1AM-11661-08 Metabolic control in reactions of nucleotide sugars (cattle, chick embryo)

OXIDOREDUCTASES, XANTHINE DEHYDROGENASE

- RO1CA-08390-09 Regulation of glutamine synthetase (bacteria)
- RO1GM-00091-29 Structure, function of enzymes—Role of metals (rat)
- ** RO1GM-09886-13 Genetic studies in Drosophila melanogaster
- RO1GM-19217-03 Gene variation in natural populations (Drosophila)
- RO1GM-20906-01 Regulation of gene expression in Drosophila

(contd)

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**Entered significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

OXIDOREDUCTASES, XANTHINE OXIDASE

- R01AA-00191-03 Biochemical properties of human liver metalloenzymes
 R01AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
 R01AM-12413-07 Purine metabolism in gout (human, birds)
 R01AM-14678-04 Iron storage and mobilization in the macrophage series (mice, human)
 ** R01AM-17007-01 Relaxation kinetic studies of metal requiring enzymes (cattle)
 R01AM-17365-01 Intestinal absorption of hemoglobin iron (rats)
 ** P02CA-11198-06 0006 Cancer research center - Xanthine oxidase (dogs, human, mice)
 R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
 ** R01CA-12876-03 Chemical and biochemical studies of pteridines (bacteria, animals)
 R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
 R26CA-14906-02 Enzymes of normal and malignant intestinal mucosa (rats, human)
 R01GM-08347-14 Function of molybdenum in biological systems
 ** R01GM-12176-10 0007 Redox reactions by optical and EPR spectrometry - Xanthine oxidase
 R01GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
 R01GM-21337-01 Molecular mechanisms of biological redox reactions (yeast, spinach)
 R01HD-05384-03 Nutritional aspects of purine metabolism (rats)

O2 OXIDOREDUCTASE

SEE OXYGENASES

OXIMES

SEE ALSO PYRIDINES, PRALDOXIME

- ** P01GM-15423-07 0018 Molecular basis of control mechanisms - X-ray produced free radicals
 R01HL-12745-06 0003 Enzymes and inhibitors of cholesterol biosynthesis - Development of prenyl transferase inhibitors for sterol control
 R01NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)

OXIMETRY

SEE RESPIRATORY GAS ANALYZERS, OXIMETRY*

OXINDOLE

SEE BENZOPYRROLES, INDOLINONES, OXINDOLE

OXINS, DIOXANES

- ** R01CA-15111-01 Pharmacology and biochemistry of the oncogen, dioxane
 ** R01ES-00851-02 Detection of dioxin (human, fish, birds)
 ** R01ES-00965-01 Pharmacology toxicology of chlorinated dibenzo-p-dioxins (mice)
 R01ES-01056-01 Hydroxychlorobiphenyls-Degradation products by PCB'S

OXINS, PYRANS

- R01CA-10537-05 RES function, tumor induction and growth (mice)
 R01GM-19883-01 Polyanions-Model gene regulators

OXINS, PYRONES

SEE ALSO BENZO-ALPHA-PYRONES

SEE ALSO FLAVONES

- R01AI-10597-03 Synthesis of dihydro-gamma-pyrone antibiotics
 R01GM-12848-10 Tetracycline and related phenolic natural products
 R01OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)
 ** M01RR-00059-13 0164 General clinical research center - Effects of liothyronine induced hypermetabolism on dipyrone metabolism (human)
 ** M01RR-00059-13 0165 General clinical research center - Effect of hypo- and hyperthyroidism on dipyrone metabolism (human)

OXINS, TRIOXANES, PARALDEHYDE

- R01AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)
 ** R01AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)
 R01NS-06163-09 Cerebral metabolism in newborn and young (children, mice)

OXIRANES

- R01CA-16068-01 Total synthesis of crotopoxide, an anti-tumor compound
 R01CA-16220-01 Potential anti-carcinogenic alkylating agents
 R01ES-00726-01 Biological effects of surfactants (plants, algae, Hydra, human, mice)

2-OXO-ACID CARBOXYLASE

SEE CARBON-CARBON LIGASES, PYRUVATE CARBOXYLASE

OXO-ACID-LYASES, ATP CITRATE (PRO-35) LYASE

- ** R01AM-11313-08 Structures and mechanisms of citrate enzymes (bacteria, rats)
 R01DE-01523-13 Metabolic pathways in bone (mice)

OXO-ACID-LYASES, CITRATE (PRO-35) LYASE

- ** R01AM-11313-08 Structures and mechanisms of citrate enzymes (bacteria, rats)

OXO-ACID-LYASES, CITRATE (5I) SYNTHASE

- ** R01AM-11313-08 Structures and mechanisms of citrate enzymes (bacteria, rats)
 R01AM-13351-07 NMR studies of enzyme-metal-substrate interactions
 R01AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
 R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)

OXO-ACID-LYASES, ISOCITRATE LYASE

- ** R01AI-11440-02 Function of isocitrate lyase in parasitic helminths

OXO-ACID-LYASES, MALATE SYNTHASE

- R01GM-15102-07 Regulation of leucine biosynthesis by end product inhibition (bacteria, yeasts)

OXOARYLS

SEE ALSO 1,3-BENZODIOXOLES

SEE ALSO OXAZOLES

SEE ALSO OXETANES

SEE ALSO OXIDES, EPOXIDES

SEE ALSO OXINS, DIOXANES

SEE ALSO OXINS, PYRANS

SEE ALSO OXINS, TRIOXANES, PARALDEHYDE

SEE ALSO OXIRANES

SEE ALSO OXOLES, FURANS

R01CA-12195-07 Heterocyclic small ring compounds

R01GM-20329-07 Photo chemical synthesis of organic compounds

OXOARYLS, LACTONES

SEE ALSO BENZO-ALPHA-PYRONES

SEE ALSO OXETANONE

SEE ALSO OXOLES, BUTYROLACTONE

SEE ALSO TERPENES, GINKGOLIDES

R01AI-08687-06 Natural product syntheses

** R01AI-11607-01 Synthesis of macrocyclic lactones

P02CA-06516-12 0004 Cancer center support grant- Comprehensive - Clinical pharmacology

** R01CA-07803-11 Biologically-active fatty acid derivatives

** P01CA-08748-09 5415 Research program of Sloan-Kettering Institute - Remission of rat mammary adenocarcinomas by selected drugs

R01CA-10849-06 The synthesis of natural products for chemotherapy

R01CA-11089-12 Synthesis of tumor inhibitory lactones

R01CA-11277-06 Synthetic approaches to the azulene sesquiterpenes

R01CA-11479-05 Nucleolar pathology and molecular carcinogenesis (mice)

P01CA-12227-04 0013 Core program in carcinogenesis - Synthesis of carcinogenic compounds

** R01CA-12360-04 Studies in medicinal chemistry-Antitumor agents

** R01CA-12658-03 Total synthesis of a potential anti-tumor lactone

R01CA-12961-03 Tumor inhibitors from dodecahedrane and peritylene

R01CA-13689-02 Tumor inhibitors-synthesis of vernolepin

R01CA-14152-03 New synthetic methods, routes to biologically active compounds

R01CA-15736-01 Synthesis of tumor inhibitory sesquiterpenoids

R01CA-15824-01 Synthesis of anti-leukemic analogs of quassin

R01GM-18092-03 Conformations of biologically important molecules

** R01GM-20443-02 Construction of biologically important lactones (plants)

R01NS-08528-06 Brain metabolism and systemic disease (rats, mice)

R01NS-12079-01 Mechanisms of neurotransmitter release (rats)

OXOARYLS, PATULIN

R01FD-00155-07 Toxicogenic fungi in food products and feeds

OXOGLUTARATE DEHYDROGENASE

SEE OXIDOREDUCTASES, OXOGLUTARATE DEHYDROGENASE

OXOISOMERASE

SEE ISOMERASES, GLUCOSEPHOSPHATE ISOMERASE

OXOLES, BUTYROLACTONE

R01AA-00664-01 Metabolic interactions of ethanol and hydroxybutyrate

OXOLES, CHLORALOSE

SEE ALSO HALOALCOHOLS, CHLORAL HYDRATE

- R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
 R01NS-11284-01 Drug effects on vestibular neurones (cats)

OXOLES, FURANS

- SEE ALSO ALKALOIDS, GALANTHAMINE TYPE
 SEE ALSO ALKALOIDS, PHLOCARPINE TYPE
 SEE ALSO IMIDAZOLEONES, HYDANTOINS, NITROFURANTON
 SEE ALSO TERPENES, GINKGOLIDES
 P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
 R01FD-00685-01 Furanoterpenoids in sweet potato-ethylene mediation

OXOLES, MALEIC ANHYDRIDE

- P01CA-07175-11 0007 Cancer research at the McArdle laboratory - Protein structure-function relationships (human)
 R01CA-12231-03 Synthetic macromolecules as anti-tumor agents
 R01GM-12307-10 Specific counterion binding by polyelectrolytes
 ** P01NS-07464-07 0020 Laboratory of neurobiology - Oscillatory electrical activity induction by N-ethylmaleimide

OXOLES, NITROFURANS

- ** R01CA-08857-09 Urinary bladder carcinogenesis in man and animal (rabbits)
 ** R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
 ** R01CA-11946-05 Carcinogenicity and metabolism of 5-nitrofurans (rats, mice, hamsters)
 R26CA-15945-01 Studies on experimental bladder tumors (rats)
 P01GM-16492-06 0001 Design of chemotherapeutic agents - Design of anti-schistosomal compounds (mice)
 ** P01GM-16492-06 0002 Design of chemotherapeutic agents - Antischistosomal effectiveness, toxicity of nitrovinylfuran, SQ 18,506 (mice)
 P01GM-16492-06 0019 Design of chemotherapeutic agents - Mode of antischistosomal action of nitroheterocyclic compounds
 R01HD-06161-03 Germ cell formation and maturation (rats, tadpoles)
OXOLES, PYRAN COPOLYMER
 R10CA-02822-19 Eastern cooperative oncology group (human)
 R10CA-02824-19 Eastern cooperative oncology group
 R01CA-10537-05 RES function, tumor induction and growth (mice)
 R10CA-11109-06 Eastern cooperative oncology group

3-OXYSTEROID DELTA-4-DELTA-5-ISOMERASE

SEE ISOMERASES, 3-KETOSTEROID DELTA-4-DELTA-5-ISOMERASE

OXOTREMORINE

SEE PYRROLIDINES, OXOTREMORINE

OXYAMINOPURINES

SEE PURINES, OXYAMINOPURINES

OXYGEN

SEE RESPIRATORY GASES, OXYGEN

OXYGEN 15

SEE RADIOISOTOPES, OXYGEN 15

OXYGEN 17,18, LABELED

SEE ISOTOPE LABELED, STABLE OXYGEN

OXYGEN ADMINISTRATION

SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION

OXYGEN-CARBON LYASES

SEE CARBON-OXYGEN LYASES

OXYGEN CONSUMPTION

SEE RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION

OXYGEN DEBT

SEE RESPIRATORY GAS LEVELS, HYPOXIA, OXYGEN DEBT

OXYGEN DEFICIENCY

SEE RESPIRATORY GAS LEVELS, HYPOXIA

OXYGEN INHALATION THERAPY

SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, OXYGEN INHALATION THERAPY

OXYGEN MICROELECTRODE

SEE ELECTRODES, OXYGEN MICROELECTRODES*

OXYGEN POISONING

SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPEROXIA

OXYGEN TENSION

SEE RESPIRATORY GAS LEVELS, OXYGEN TENSION

OXYGEN TRANSPORT

SEE RESPIRATORY GAS TRANSPORT, OXYGEN TRANSPORT

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

OXYGENASES

- RO1AM-00562-21 Study of metabolic mechanisms (bacteria, plants)
 RO1AM-11275-08 Bile pigment metabolism (human, rats)
 RO1CA-15030-01 Mode of action of chemical carcinogenesis
 RO1CA-15897-01 Aryl hydrocarbon hydroxylase induction in rat kidney
 RO1ES-00075-10 Enzyme mechanism of insecticide metabolism (rats)
 RO1ES-00537-04 Enzymatic oxygen fixation into aromatic hydrocarbons (bacteria)
 RO1ES-00678-08 Enzymatic degradation of aromatic compounds (bacteria)
 RO1GM-12422-10 Inositol metabolism (plants, algae)
 PO1GM-16496-06 0036 Clinical pharmacology-Pharmacokinetics - Drug metabolizing enzymes in liver (rats, human)
 RO1GM-17880-04 Mixed function oxygenase models
 RO1GM-20172-01 Enzymes of aromatic oxidations from microorganisms
 PO1HD-05894-04 0016 Genetic childhood diseases and aging - Regulation of bilirubin catabolism (human, rats, Guna)

OXYGENASES, ARYL-4-MONOXYGENASE

- PO2CA-05831-13 0042 Cancer clinical research - Genetic variation in enzymes which modify chemical carcinogens
 RO1CA-12906-03 Benzopyrene hydroxylase and carcinogenesis (mice)
 RO1CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
 RO1CA-15784-01 Human macrophages and other cells in carcinogenesis (human)
 RO1CA-15897-01 Aryl hydrocarbon hydroxylase induction in rat kidney
 R26CA-15969-01 Hydrocarbon metabolizing enzymes and colon cancer (human, rats)
 NO1CB-43939-00 Aryl hydrocarbon and 16d hydroxylase in high and low risk breast cancer (human)
 NO1CP-43240-00 Roles of viruses and chemical in the etiology of cancer
 NO1CP-43248-00 Research on preparation of polymers containing carcinogenic moieties
 NO1CP-43309-00 Screening method to determine smoking hazards (human)
 RO1GM-15597-07 Genetic and comparative studies of enzymes (human, microorganisms)
 RO1HD-04839-05 0007 Metabolism of drug substrates by human placenta - Reciprocity between AHH and cholesterol side-chain oxidase (human)
 RO1HD-04839-05 0008 Metabolism of drug substrates by human placenta - Cellular localization of placental AHH (human)

OXYGENASES, DOPAMINE (BETA)-MONOOXYGENASE

- RO1AM-10844-08 Micropuncture study of renal tubular function (human, dogs, baboons)
 PO1CA-08748-09 7004 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies of neuroblastoma (human)
 RO1DA-01057-01 0001 Drugs of abuse-Pharmacokinetics, metabolism and response - Stimulant drugs and minimal brain dysfunction (children)
 PO1GM-09069-12 0123 Research in anesthesiology - Central nervous system toxicity of hyperbaric oxygen
 P11GM-15477-08 0110 Drug metabolism and biochemical pharmacology - Brain catecholamines, diethylthiocarbamate and dopa (rats)
 PO1GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
 RO1GM-20627-01 Enzyme catalyzed hydrogen abstraction reactions (yeast, bacteria, swine)
 P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
 M RO1HL-16531-01 Clinical cardiology-Emphasis hypertension
 RO1MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
 RO1MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 RO1MH-20802-03 Comparative drug treatment for hyperactive children
 RO1MH-21413-03 Enzyme induction and transport in adrenergic nerves (human, animals)
 PO1MH-21586-02 Biogenetic studies of the affective disorders
 PO1MH-23861-02 0005 Biogenic amines and behavior - Genetic regulation of biogenic amines (mice, human, cattle, rats)
 PO1MH-23861-02 0010 Biogenic amines and behavior - Relation of catecholamines to pituitary-adrenal function (rats, human)
 PO1MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
 RO1MH-25116-01 MAO, DBH and ATPase in psychosis (human)

- PO1MH-25515-01 0011 Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
 PO1NS-03354-13 0001 Neurosensory center - Neuro-ophthalmo
 RO1NS-06911-07 Brain catecholamines in defense reaction (rats, cats)
 RO1NS-07275-07 Metabolism of biogenic amines (rats)
 RO1NS-09438-03 Acute treatment of ruptured intracranial aneurysms (human)
 RO1NS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
 RO1NS-10578-01 Regulation of enzyme development in neurons (rats)
 RO1NS-11014-01 Dopamine-beta-hydroxylase-Neural release and metabolism (guinea pigs)
 MO1RR-00031-14 0035 General clinical research center - Renal vascular state and reactivity in hypertension (human)
 MO1RR-00039-14 0084 General clinical research center - Effects of Schering 10595 on essential diastolic hypertension (human, animals)
 MO1RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)

OXYGENASES, HYDROXYLASES (GENERAL)

- RO1AA-00288-03 Interaction of drug and ethanol metabolism (perfused liver, rats)
 RO1AM-00110-23 Chemical methods in steroid metabolism (rats, cattle)
 RO1AM-00562-21 Study of metabolic mechanisms (bacteria, plants)
 RO1AM-06011-13 0014 Diet control of lipid metabolism - Effects of the nature of diet fat on cholesterol metabolism
 RO1AM-09314-10 Enzymology of the oxidative metabolism of thymidine (Neurospora, rats)
 RO1AM-10339-09 Kinases, desaturases, and hydroxylases (bacteria, yeast, rabbits)
 PO1AM-14526-05 0001 Biochemistry of connective tissue - Collagen biosynthesis and pathway regulation (human, vertebrates, invertebrates)
 RO1AM-14625-04 Estrogen biosynthesis and related enzyme reactions (human)
 PO1AM-14881-04 0001 Metabolism and function of fat-soluble vitamins - Metabolism of vitamins D2, D3 and D4 (chicks, rats, monkeys, swine)
 PO1AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
 RO1AM-15077-04 Metabolism of bile acids (human)
 PO1AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
 RO1AM-16038-03 Structure, function and regulation of hydroxylases (bacteria, cattle)
 RO1AM-16063-01 Collagen synthesis in connective tissue disease (tissue culture, rats)
 RO1AM-16216-03 Anti-inflammatory steroids and collagen synthesis (rats)
 PO1AM-16516-03 0001 Biochemistry of normal and diseased connective tissue - Enzymic steps in collagen biosynthesis
 PO1AM-16516-03 0003 Biochemistry of normal and diseased connective tissue - Electron microscopy of enzymes and related macromolecules in collagen biosynthesis
 PO1AM-16516-03 0004 Biochemistry of normal and diseased connective tissue - Subcellular structures involved in collagen biosynthesis (chickens)
 RO1AM-16767-02 Control of collagen biosynthesis and maturation (human, swine)
 RO1AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
 RO1CA-01393-24 Patterns of steroid metabolism in cancer (human, mice)
 RO1CA-07057-11 Steroid hydroxylases in normal and abnormal adrenal tissue (human, rats, mice)
 RO1CA-09599-16 0001 Histochemical and quantitative studies of neoplasia - Benzopyrene hydroxylase activity after chronic exposure to benzopyrene (mice)
 RO1CA-09599-16 0002 Histochemical and quantitative studies of neoplasia - Induction of polycyclic hydrocarbon hydroxylase and carcinogenesis (mice)
 RO1CA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice)
 RO1CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
 PO1CA-12376-03 0017 Environmental carcinogenesis - Aryl hydrocarbon hydroxylase and skin carcinogenesis (mice)
 RO1CA-12876-03 Chemical and biochemical studies of pteridines (bacteria, animals)
 RO1CA-13370-03 ESR study on hydrocarbon radicals and carcinogenesis
 RO1CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
 NO1CP-02217-04 Aspects of enzyme induction relative to lung cancer (human, hamsters, mice)
 P1OES-00210-07 0021 Center for environmental management - Hydroxylation of xenobiotics by plants
 RO1ES-00296-06 Pesticide resistance studies (Pine mice)

- RO1ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
 RO1ES-00663-01 Interactions of PCB's, density, and nutrition (mice, rabbits)
 RO1ES-00986-01 Biodegradation of the phthalates by bacteria
 RO1EY-01313-01 Cortisol metabolism in glaucoma and cataract (human, rabbits and cats)
 RO1FD-00576-01 Metabolism of Di-t-butylhydroxytoluene (BHT)
 RO1GM-11105-12 Metabolism of certain amine acids (earthworm, rats)
 RO1GM-12394-01 Components and pathways in biological oxidations (microorganisms, mammals, human)
 RO1GM-13777-09 Mechanism of biochemical C-C and C-N bond formation
 RO1GM-14276-10 Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs)
 P11GM-15477-08 0063 Drug metabolism and biochemical pharmacology - Nature of hepatic and extrahepatic benzopyrene hydroxylase (rats, human)
 P11GM-15477-08 0123 Drug metabolism and biochemical pharmacology - Stoichiometry of the ethylmorphine N-demethylase reaction
 RO1GM-16406-06 Resonance spectroscopy of enzymes (bacteria)
 PO1GM-16496-06 0036 Clinical pharmacology-Pharmacokinetics - Drug metabolizing enzymes in liver (rats, human)
 RO1GM-17170-04 EPR and x-ray studies of electron-transfer enzymes (rats, guinea pigs)
 RO1GM-19304-03 Regulation of bacterial aromatic hydroxylases (Pseudomonas fluorescens)
 RO1GM-20172-01 Enzymes of aromatic oxidations from microorganisms
 RO1GM-21161-01 Protein structure modification and oxidation
 RO1GM-21226-14 Oxidations in mitochondria and microsomes (bacteria, mammals, spinach)
 RO1GM-21321-01 Rat liver microsomal cytochrome P 450
 PO1HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
 PO1HD-07173-02 0007 Structure and function of aging human fibroblasts - Activity of prolyl hydroxylase in WI-38 fibroblasts
 RO1HD-08309-01 Population control research-Enzyme studies
 RO1HL-06588-13 Reticuloendothelial system and the mechanism of shock (dogs)
 RO1HL-07878-12 Metabolism of neutral steroids (rats, carp)
 RO1HL-12239-05 Curable hypertension with hyperaldosteronism (human)
 P17HL-14164-04 0015 Arteriosclerosis research center - Regulation of cholesterol biosynthesis in pigeons and monkeys
 RO1HL-16895-01 Particulate prolyl hydroxylation in lung (rats)
 RO1MH-25601-01 Brain dopamine-beta-hydroxylase regulation and behavior
 RO1NS-08246-06 Metabolic error in Refsum's syndrome (human, rats)
 RO1NS-09572-03 Models for hydroxylases of neurochemical significance
 SO6RR-08005-03 Environmental carcinogens (Federal City College)(human, humsters)

OXYGENASES, (4)-HYDROXYPHENYLPYRUVATE DIOXYGENASE

- RO1AM-13448-06 Mechanistic study of some O2 oxidoreductases
 RO1NS-01572-17 Amino acid metabolism and aromatic amines (human, rats)

OXYGENASES, KYNURENINE-(3)-MONOOXYGENASE

- RO1GM-21286-01 Developmental regulation of Kynurenine hydroxylase (Drosophila)

OXYGENASES, MONOPHENOL MONOOXYGENASE

- R22A-07890-07 Metabolic studies and culture of Mycobacterium leprae (mice)
 RO1AM-09070-10 Metaenzyme synthesis and function (bacteria)
 RO1AM-15317-03 Oculocutaneous pigment defects, blocks and treatment (human, rabbit, guinea pigs)
 RO1CA-04679-15 0002 Biology of normal and malignant melanocytes - Tyrosinase, adenylyl cyclase, and cholinesterase
 RO1CA-04679-15 0006 Biology of normal and malignant melanocytes - Protyrosinase to tyrosinase reaction (frogs)
 PO2CA-05831-13 0015 Cancer clinical research - Serum tyrosinase in patients with malignant melanoma
 RO1CA-06097-13 Response of pigment cells to X and UV-radiations (rodents, chick embryo)
 RO1CA-07093-12 Tyrosinases-Mechanism of action and regulation (human, rodents, pigs)
 PO1CA-08748-09 6524 Research program of Sloan-Kettering Institute - Effects of 5-bromodeoxyuridine on cultured melanoma cells

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- PO1CA-10815-06 0047 Consolidated basic cancer research program - Morphogenetic substances in early embryogenesis (ascidians)
- RO1CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
- RO1CA-12468-04 Melanosome proteins and control by pigmentation genes (mice)
- PO1CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- RO1CA-15991-01 Melanin synthesis in human melanomas
- PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- RO1EY-00776-03 Melanotic differentiation of eye pigment epithelium (chick embryo)
- ** PO1EY-00785-03 0003 Vision research center - Drugs and oculocutaneous albinism (human)
- RO1GM-11211-10 Structure and function of proteins (bacteria, tuna, plants)
- ** RO1HD-08622-01 Development of reproductive organs in mammals (rats, dogs, monkeys, human)
- RO1HL-12647-05 0002 Norepinephrine in vascular tissue - Uptake of tyrosine by adrenergic terminals (rabbits)
- RO1HL-13652-04 Metal sites in metalloproteins

OXYGENASES, STEROID MONOOXYGENASES (GENERAL)

- ** RO1AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
- RO1CA-16265-01 Cytochrome P450 in carcinogenesis and steroid synthesis (rats, cattle)
- PI1GM-15477-08 0004 Drug metabolism and biochemical pharmacology - Blood and urine levels as indices of the rate of drug metabolism (human)
- RO1GM-16488-06 0005 Hepatic microsomal drug oxidation - Hormone modification of adrenal cytochrome P-450 (rats)
- PO1HD-02274-08 0005 Mental retardation and child development - Developmental biochemistry (human, animals, yeasts)
- RO1HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)

OXYGENASES, STEROID 11ALPHA-MONOOXYGENASE

SEE ALSO ADRENAL GLANDS DISORDERS, ADRENOGENITAL SYNDROME

- ** MO1RR-00086-12 0027 General clinical research center - Congenital adrenal hyperplasia, 11-and 17-hydroxylase deficiencies

OXYGENASES, STEROID 11BETA-MONOOXYGENASE

- ** RO1AM-04484-14 Aerobic hydroxylases in steroid and drug metabolism (human)
- RO1HL-06975-13 Pathogenesis of hypertension (rats, human)

OXYGENASES, STEROID 17ALPHA-MONOOXYGENASE

- ** MO1RR-00086-12 0027 General clinical research center - Congenital adrenal hyperplasia, 11-and 17-hydroxylase deficiencies
- MO1RR-00096-14 0059 Clinical research center - Effects of chemodectychoic acid on gallstones (human)

OXYGENASES, STEROID 21-MONOOXYGENASE

SEE ALSO ADRENAL GLANDS DISORDERS, ADRENOGENITAL SYNDROME

- PO1GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
- MO1RR-00031-14 0072 General clinical research center - Abnormalities of androgen metabolism (human)
- ** MO1RR-00240-10 0083 General clinical research center - Children - Detection of carriers of 21 hydroxylase deficiency

OXYGENASES, TRYPTOPHAN 2,3-DIOXYGENASE

- RO1AI-09394-05 Pathogenesis of endotoxemia (mice)
- RO1AI-10087-05 Effect of endotoxin on induction of liver enzymes (mice, rabbits)
- ** RO1AM-00567-21 Regulation of tyrosine and tryptophan metabolism (rats, human)
- ** PO1CA-02332-20 0021 Clinical and laboratory studies of normal and abnormal growth - Allosteric control of hepatic and pseudomonad tryptophan oxygenase (rats)
- RO1CA-05671-14 0008 Glucocorticoid receptors in normal and malignant tissue - Enzyme induction and gluconeogenesis (mice, guinea pigs, rats)
- ** RO1CA-05671-14 0012 Glucocorticoid receptors in normal and malignant tissue - Tryptophan oxygenase (rats)
- RO1CA-05671-14 0013 Glucocorticoid receptors in normal and malignant tissue - Tumor inhibition of enzyme induction (rats)
- RO1CA-05671-14 0014 Glucocorticoid receptors in normal and malignant tissue - Glucocorticoid receptors in rat liver
- RO1EY-00786-03 Role of tRNA in control of protein synthesis in lens (cattle, rats, rabbits)
- PO1GM-15422-07 0011 Program project in genetics - Gene transformation and genetic molecular development (mice, Drosophila)

- PO1HD-05065-04 0001 Cellular aging and degeneration - Cellular mechanisms of protein breakdown and turnover (rats)
- RO1HL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)

OXYGENASES, TRYPTOPHAN 5-MONOOXYGENASE

- RO1CA-15659-01 Inhibition of pteridine enzymes in cancer chemotherapy (rats, human)
- RO1DA-00564-02 Morphine analgesia and addiction - Neurochemical correlates (mice, rats)
- ** PO1GM-17806-05 0021 Nutritional factor effects on drug action - Tryptophan hydroxylase activity in neonatal rat brain
- PO1MH-08618-10 0045 Biological studies of psychotic disorders - Relationship between dopaminergic and serotonergic systems (rats, dogs)
- RO1MH-11468-09 0027 Psychopharmacology research center - Long term effects of P-chloroamphetamine and P-chorophenylalanine (rats)
- RO1MH-11468-09 0029 Psychopharmacology research center - Serotonergic mechanisms in action of morphine (rats, mice)
- ** RO1MH-16841-06 0009 Effect of central nervous system lesions on drug action - Tryptophan-5-hydroxylase activity of brain
- PO1MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
- PO1MH-23861-02 0005 Biogenic amines and behavior - Genetic regulation of biogenic amines (mice, human, cattle, rats)
- PO1MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
- ** RO3MH-25713-01 Factors regulating tryptophan hydroxylase in brain (rodents, mollusks)
- RO1NS-07436-07 Neural control of gastrointestinal activity (rats, mice, rabbits)
- RO1NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- RO1NS-09763-03 Role of indole amines in brain maturation (mice, toads)
- RO1NS-11641-19 Biological effects of steroids (mice, rats, monkeys)

OXYGENASES, TYROSINE 3-MONOOXYGENASE

- ** RO1AM-05427-13 Biochemistry of the adrenal medulla (cats, rabbits, guinea pigs)
- RO1AM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
- RO1AM-16622-02 Pterins in clinical patients
- RO1CA-11778-05 Chemistry of folate and pteridine coenzymes
- RO1CA-15659-01 Inhibition of pteridine enzymes in cancer chemotherapy (rats, human)
- ** RO1DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
- RO1DA-00109-03 Morphine tolerance and high sensitivity measurement (rats)
- RO1DA-00991-01 Chronic cardiovascular effects of marijuana (dogs)
- ** PO1EY-00336-08 0021 CLINICAL STUDENT OF GLAUCOMA - Tyrosine hydroxylase (rabbits)
- PO1GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
- ** PO1GM-17806-05 0020 Nutritional factor effects on drug action - Tyrosine-hydroxylase activity in neonatal rat brain
- RO1GM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norepinephrine synthesis and neurally mediated release (rats, guinea pigs)
- RO1HD-02138-12 Central nervous system regulation of reproduction (rats)
- PO1HD-02274-08 0063 Mental retardation and child development - Enzyme studies on epileptic models (human)
- PO1HD-02274-08 0152 Mental retardation and child development - Enzyme studies on epileptic models
- ** PO1HD-06276-03 0060 Mental retardation research program - Tyrosine hydroxylase activity and NE synthesis in reserpine treatment (rats)
- RO1HL-11274-07 Regulators of catecholamine and steroid biosynthesis
- RO1HL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)
- RO1MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- ** PO1MH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- PO1MH-08618-10 0045 Biological studies of psychotic disorders - Relationship between dopaminergic and serotonergic systems (rats, dogs)
- RO1MH-11468-09 0021 Psychopharmacology research center - Hydroxylated metabolites of amphetamine in the CNS (rats)
- RO1MH-11468-09 0022 Psychopharmacology research center - Stored vs newly synthesized catecholamines in amphetamine CNS stimulation (rats)
- ** PO1MH-16674-06 0006 A program of psychiatry-oriented biological research - Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates

- RO1MH-21413-03 Enzyme induction and transport in adrenergic nerves (human, animals)
- RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- RO1MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- RO1MH-21892-02 Biochemical studies of depression in primate models
- PO1MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
- PO1MH-23861-02 0005 Biogenic amines and behavior - Genetic regulation of biogenic amines (mice, human, cattle, rats)
- PO1MH-23861-02 0010 Biogenic amines and behavior - Relation of catecholamines to pituitary-adrenal function (rats, human)
- PO1MH-23861-02 0014 Biogenic amines and behavior - Adrenal medullary secretion and catecholamine response to stress (monkeys, human)
- PO1MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
- RO1MH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)
- PO1MH-25515-01 0004 Collaborative biological research on schizophrenia - Regulation of the synthesis of dopamine (rats)
- RO1MH-25601-01 Brain dopamine-beta-hydroxylase regulation and behavior
- PO1NS-04053-12 0010 Epilepsy - Neurochemistry (human, monkeys, cats)
- RO1NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- RO1NS-06911-07 Brain catecholamines in defense reaction (rats, cats)
- RO1NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- RO1NS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
- PO1NS-09199-04 0006 Effect of L-dopa on synthesis of amines in brain (human, animals) - Amine synthesizing enzymes in rats with nigral lesions
- RO1NS-10163-03 0006 Acute spinal cord injury center - Enzymatic studies (cats)
- RO1NS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
- RO1NS-10259-03 Regulation of neuronal growth and development (mice, rats)
- RO1NS-10578-01 Regulation of enzyme development in neurons (rats)
- RO1NS-10711-02 Genetic study of metabolism of neural transmitters (human, mice)
- ** RO1NS-11061-01 Regulation of adrenergic metabolism (rats)
- RO1NS-11137-02 Neurochemical correlates of experimental cretinism (rats)
- PO1NS-11631-01 0064 Clinical center for research on Parkinson's and allied diseases - Effects of drugs on catecholamines (chicken)
- RO1NS-11666-01 Genetics of neuronal growth and development (mice)

OXYGENATION

SEE RESPIRATORY GASES, OXYGENATION

OXYGENATORS, BLOOD

SEE CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, BLOOD OXYGENATORS

OXYGENATORS, PUMP BLOOD

SEE CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, HEART MECHANICAL EXTRACORPOREAL

OXYGENATORS, RESPIRATORY

SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION

OXYHEMOGLOBIN

SEE HEMOPROTEINS, HEMOGLOBIN, OXYHEMOGLOBIN

OXYMETHOLONE

SEE ANDROSTANE SERIES, OXYMETHOLONE

OXPURINES

SEE PURINES, OXPURINES

OXYSTEROIDS

SEE STEROIDS, OXYSTEROIDS

OXYTETRACYCLINE

SEE ANTIBIOTICS, OXYTETRACYCLINE

OXYTOCICS

SEE PITUITARY-DIENCEPHALON HORMONES, OXYTOCICS

OXYTOCIN

SEE PITUITARY-DIENCEPHALON HORMONES, OXYTOCIN

OXYTOCINASE

SEE PROTEASES AND PEPTIDASES, OXYTOCINASE

OYSTERS

SEE MOLLUSKS, PELECYPODS, OYSTERS*

OZONE

SEE GAS ELEMENTS, OZONE

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

P-388 MOUSE LEUKEMIA

SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE, P-388

P-1534 MOUSE LEUKEMIA

SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MOUSE, P-388

PA-144

SEE ANTIBIOTICS, MITHRAMYCIN

PABA

SEE P-AMINOBENZOATE

PACEMAKERSSEE BRAIN STIMULATORS ELECTRONIC
SEE ELECTRONIC STIMULATORS GENERAL
SEE HEART, CONDUCTION SYSTEM, HEART PACEMAKERS
SEE NEUROMUSCULAR STIMULATORS (FOR NEUROMOTOR DISORDERS)
SEE URINARY TRACT PROSTHESIS, URINARY STIMULATORS ELECTRONIC**PACIFIC ISLANDS**

SEE GEOGRAPHICAL SITES, PACIFIC ISLANDS

PACKAGING MATERIALS

SEE CONSUMER PRODUCTS, PACKAGING MATERIALS

PACTAMYCIN

SEE ANTIBIOTICS, PACTAMYCIN

PAGET'S DISEASE (MAMMARY AND EXTRAMAMMARY)

SEE NEOPLASMS, PAGET'S DISEASE

PAIN

SEE SENSORY-PERCEPTUAL PROCESSES, PAIN

PAIN, DENTAL

SEE DENTAL PAIN

PAIN RELIEVING AGENTS

SEE NEUROPHARMACOLOGICAL AGENTS, ANALGESICS

PAIN TOLERANCE

SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

PAKISTAN

SEE GEOGRAPHICAL SITES, ASIA, PAKISTAN

PALATE

SEE ORAL-PHARYNGEAL, PALATE

PALATE, CLEFT

SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE

PALATOPHARYNGEAL ABNORMALITIES

SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PALATOPHARYNGEAL ABNORMALITIES

PALEONTOLOGY

SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, ARCHAEOLOGY

** R01DE-01919-12 Biophysical methods applied to teeth (dinosaur)

PALLADIUM (COMPOUNDS)

SEE METALS, HEAVY METALS, PALLADIUM

PALLIATIVE TREATMENT OF NEOPLASMS

SEE NEOPLASTIC THERAPY, PALLIATIVE TREATMENT

PALMITIC ACID

SEE FATTY ACIDS, PALMITIC ACID

N-PALMITOYLSPHINGOSINE

SEE SPHINGOLIPIDS, CERAMIDE

2-PAM

SEE PYRIDINES, PRALDOXIME

PAN AMERICAN HEALTH ORGANIZATION (WHO)

SEE HEALTH AND SCIENTIFIC ORGANIZATIONS, INTERNATIONAL, WHO

PANAEOLUS

SEE FUNGI, BASIDIOMYCETES, AGARICALES*

PANAMA

SEE GEOGRAPHICAL SITES, C. AMERICA, PANAMA

PANCREAS

** R01AA-00194-03 0003 Effects of alcohol on gastric mucosa - Enzymatic processes (dogs, rabbits)

R01AM-01240-18 Protein binding and biliary excretion of steroids (human, animals)

** R01AM-05556-13 Pancreatic regeneration and differentiation (rats)

R01AM-12722-06 Characterization of human isoamylases (also animals)

** R01AM-13131-07 Control of pancreatic protein synthesis and secretion (pigeons, rats)

R01AM-13385-06 0001 Cystic fibrosis - Development of secretory capacity in exocrine glands (rats)

R01AM-15150-03 Hydroxy fatty acid metabolism and function (coelenterates, chickens, rats, yeast

** R01AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)

R01AM-15519-03 Behavior of reticular cells in germinal center genesis (rats, mice)

** R01AM-15858-03 Compartmental analysis of pancreatic ion secretion (rabbits)

** R01AM-16259-01 Protein, trypsin inhibitors and pancreatic secretion (rats)

** R01AM-16990-01 Secretion of proteins and ions by the pancreas

** P17AM-17026-01 0047 Vanderbilt University Diabetes-Endocrinology Center - B cells (rats)

** P17AM-17046-01 0004 Diabetes endocrinology center - Residual beta cell function in insulin requiring diabetics (human)

R01AM-17082-01 Neural regulation of insulin secretion rate (dogs)

R01AM-17236-01 Quantitative studies of metabolic dynamics (dogs)

** R01AM-17389-01 Cell secretion and membrane formation in the pancreas (guinea pigs, rabbits)

** R01AM-17631-01 Genetic control of hyperplasia in the endocrine pancreas (mice)

R01AM-17668-01 Factors controlling and modifying insulin secretion (rats, hamsters)

** R01CA-06081-13 0001 Ultrastructural pathology - Exocrine pancreas differentiation (rats)

R01CA-08748-09 6003 Research program of Sloan-Kettering Institute - DNA and protein synthesis in regenerating biological systems (mammals)

R01CA-12389-04 Immunologic studies of gastrointestinal cancer (human)

** P02CA-13148-03 0063 Pilot cancer center - Separation of lipase and amylase positive cells from pancreas

R01CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)

** R01CA-15233-01 An in vitro model of carcinogenesis of pancreas (organ culture)

** N01CP-23284-03 Enhanced induction of guinea pig pancreatic adenocarcinoma

** N01CP-33376-02 Enhanced delivery of chemical carcinogens

** N01CP-43231-00 Development of pancreatic cells

N01CP-43232-00 Site of origin of human pancreatic adenocarcinoma

R01DE-03348-03 Altered RNA metabolism on salivary glands

P01ES-00481-03 0017 Subcellular pathology of heavy metals - In vivo effects of NTA and EDTA on chromium and lead levels in rat tissue

P01GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)

R01GM-17575-03 Pentavalent phosphorus intermediate in RNase A

R01GM-17773-04 Membrane formation in cytodifferentiation (rat pancreas)

R01GM-19289-03 Microfilaments, morphogenesis, and cytodifferentiation

P01GM-19527-03 0006 Human genetics - Growth and differentiation of exocrine and endocrine pancreas

R01GM-20001-02 Biogenesis of cellular membranes (rats, ducks)

R01GM-20115-02 Liquid xenon multi-wire radioisotope camera (human, dogs)

R01GM-21235-01 Pharmacologic studies of circulatory shock (cats)

R01HD-00412-18 Fetal endocrinology and study of diabetes and pregnancy (rats)

P01HD-05615-04 0007 Developmental biology in mental retardation - Neonatal pancreatic responses to insulin secretagogues (human)

R01HL-14277-02 Myocardial depressant factor in circulatory shock (cats, dogs)

R01OH-00337-05 Mechanisms of cadmium toxicity (rats)

PANCREAS, PANCREATIC ENZYMES

SEE ALSO GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

SEE ALSO LIPASES, TRIACYLGLYCEROL LIPASE

SEE ALSO PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE

SEE ALSO PROTEASES AND PEPTIDASES, CHYMOTRYPSIN

SEE ALSO PROTEASES AND PEPTIDASES, TRYPSIN

R01AM-04683-14 Proteolytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)

** P02AM-05630-12 0007 Metabolic unit for the Department of Medicine - Pancreatic function in pernicious anemia

P02AM-06908-12 0008 Digestive and hepato-biliary function - Digestive-absorptive sequence (human)

** P02AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)

R01AM-10746-08 Protease inhibitors, physiology and pathology (dogs, rats, mice, guinea pigs)

R01AM-13131-07 Control of pancreatic protein synthesis and secretion (pigeons, rats)

R01AM-13927-05 Intestinal mucosal function in diabetes (human, rats)

R01AM-14307-05 Structure and function of pancreatic enzymes (cattle, pigs)

R01CA-14380-02 Pancreatic ductal versus duodenal secretions (human)

P01GM-15731-06 0001 Proteolytic enzymes-Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)

R01GM-16603-06 Chemical studies on pancreatic deoxyribonuclease

R01GM-19178-03 Genetic and biochemical studies of human amylase

P01GM-21017-01 0002 Diagnostic radiology method development - Evaluation of pancreatic enzyme function and malnutrition (dogs, human)

R01HO-00412-18 Fetal endocrinology and study of diabetes and pregnancy (rats)

** P01HD-02147-08 0003 Extrauterine growth and development - Pancreas (mice, rats)

R01HL-02033-20 Regulation of cholesterol esters in blood and tissues (dog, rat, cattle, human)

R01HL-14262-03 Human leukocyte elastase in vascular and lung disease (mice, rabbit, dog, monkey)

M01RR-00036-14 0159 General clinical research center - Duodenoscopy with pancreatography (human)

M01RR-00107-11 0034 General clinical research center - Gastric emptying in pancreatic insufficiency

** M01RR-00336-08 0058 General clinical research center - Pancreatic enzyme effect on steatorrhea in pancreatic insufficiency (human)

PANCREAS, PANCREATIC JUICE

SEE ALSO GASTROINTESTINAL HORMONES, SECRETIN

** R01AM-04178-14 Pathogenesis of peptic ulcer (swine, dogs, frogs, rabbits)

R01AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs

R01AM-15241-04 Surgical studies in gastric metabolism (human, dogs, rabbits, rats)

R01AM-15446-03 Nutritional significance of amino acid homeostasis (dogs, rats)

** R01AM-15672-02 Pancreatic secretion of salts and enzymes in vitro (rats, rabbits)

R01AM-16598-01 Dissection of gastric secretory control (miniature pig)

R01AM-16939-01 Radioimmunoassay of secretin and gastrin (dogs, rats, human)

** R01AM-17742-01 Role of glycoproteins in pancreatic secretion (rats, dogs)

R01AM-17789-01 Pancreatitis and its treatment (swine, dogs)

** R01CA-14380-02 Pancreatic ductal versus duodenal secretions (human)

** R01GM-11764-09 Studies on pancreatic proteins (pigs, human)

P01GM-16593-06 0013 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Intestinal absorption of biliary contrast media (dogs, rats, rabbits)

PANCREAS DISORDERS

SEE ALSO METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

SEE ALSO PANCREATIC ISLETS DISORDERS

R01AA-00224-06 Pathogenesis and treatment of alcohol-induced diseases (human, monkeys, rats)

R01AM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)

** P02AM-05630-12 0007 Metabolic unit for the Department of Medicine - Pancreatic function in pernicious anemia

R01AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)

R01AM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)

R01AM-13131-07 Control of pancreatic protein synthesis and secretion (pigeons, rats)

R01AM-15144-03 Anemia, pancreatic atrophy, defined diets (rats, mice)

R01AM-16059-16 Pathogenesis of human alimentary mucosal disease (human, rats)

R01AM-16530-03 Chemical pathology of amino acid deficiencies (rats)

** R01CA-14380-02 Pancreatic ductal versus duodenal secretions (human)

P01GM-14231-09 0022 Natural history of heart, cancer, stroke in a population - Diabetes mellitus

P01GM-14231-09 0027 Natural history of heart, cancer, stroke in a population - Pancreatic carcinoma

P01GM-19443-03 0038 Problems in clinical genetics - Radioimmunoassay

P01GM-19527-03 0006 Human genetics - Growth and differentiation of exocrine and endocrine pancreas

** R01HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)

** M01RR-00040-14 0005 General clinical research center - Role of pancreas in vitamin B12 absorption (human)

M01RR-00042-14 0002 General clinical research center - Intestinal malabsorption (human)

** M01RR-00047-14 0093 General clinical research center - Altered insulin and glucagon secretion in uremia (human)

** M01RR-00050-13 0038 Wilson's disease - Synthetic amino acids for nutrition in pancreatic insufficiency (human)

** M01RR-00107-11 0034 General clinical research center - Gastric emptying in pancreatic insufficiency

** M01RR-00125-11 0180 General clinical research center - adult-child - Glucagon and pancreatic disease

(cont'd)

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**Oriented significantly to above subject.

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MO1RR-00336-08 0058 General clinical research center - Pancreatic enzyme effect on steatorrhea in pancreatic insufficiency (human)
- PANCREAS DISORDERS, PANCREATITIS**
- RO1AI-09095-06 Host alterations during cytomegalovirus infection (mice)
- ** RO1AM-02723-16 Study of pancreatitis and its treatment
- RO1AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
- ** RO1AM-04683-14 Prolytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)
- PO2AM-05630-12 0007 Metabolic unit for the Department of Medicine - Pancreatic function in pernicious anemia
- RO1AM-06334-12 Pathogenesis of experimental fatty liver (rats, mice)
- PO2AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
- RO1AM-13927-05 Intestinal mucosal function in diabetes (human, rats)
- RO1AM-15634-03 Inhibitors of enzyme synthesis
- RO1AM-16990-01 Secretion of proteins and ions by the pancreas
- RO1AM-17202-01 Diabetes mellitus; role of coxsackievirus B infection (mice, human)
- ** RO1AM-17789-01 Pancreatitis and its treatment (swine, dogs)
- PO1GM-14231-09 0023 Natural history of heart, cancer, stroke in a population - Cholelithiasis and cholecystitis
- RO1HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- P17HL-14230-04 0049 Lipids, atherosclerosis and thrombosis - Dietary fat modification in type V hyperlipidemia (human)
- MO1RR-00035-14 0039 General clinical research centers - Chronic malabsorption (human)
- ** MO1RR-00035-14 0067 General clinical research centers - Lipid metabolism in pancreatitis and hyperlipemia (human)
- ** MO1RR-00059-13 0094 General clinical research center - Dietary fat, serum lipids in type V hyperlipemia, familial pancreatitis (human)
- MO1RR-00125-11 0180 General clinical research center - adult-child - Glucagon and pancreatic disease
- ** MO1RR-00287-08 0012 General clinical research center - Acid loss in duodenum (human)
- ** MO1RR-00425-06 0039 General clinical research center - Effect of intravenous glucagon on acute pancreatitis (human)
- ** MO1RR-00425-06 0066 General clinical research center - Divalent cation metabolism in pancreatitis (human)
- ** MO1RR-00722-02 0039 General Clinical Research Center - Follow-up of acute pancreatitis and hyperlipemia (human)
- PANCREAS DISORDERS, TRYPsinogen DEFICIENCY DISEASE**
- ** MO1RR-00261-09 0036 General clinical research center - Hypoproteinemia and protein-losing enteropathy (human)
- PANCREAS HORMONES**
- SEE ALSO PANCREATIC ISLETS
- ** RO1AM-09072-11 Structure function relationships in proteins (avian pancreatic peptide)
- RO1AM-10733-08 Control of phospholipid metabolism (dogs, rats)
- RO1AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
- RO1AM-13499-06 Regulation of liver growth and function (rats)
- M RO1AM-15564-03 Secretion and hormonal integration of endocrine organs
- RO1AM-15886-03 Gastric peristalsis, emptying and the mucosal barrier (dogs)
- P17AM-17047-01 0002 Diabetes-endocrinology research center - Physiological studies in the baboon
- RO1AM-17631-01 Genetic control of hyperplasia in the endocrine pancreas (mice)
- PO1CA-14599-01 0024 University of Chicago Cancer Research Center - Hormonal milieu in breast cancer (human)
- ** P11GM-15559-07 0035 Clinical pharmacology - Drugs and release of pancreatic hormones in women
- P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- RO1HL-15716-02 Sugar transport in developing heart cells (chick embryo)
- ** MO1RR-00032-14 0064 General clinical research center - Dynamics of secretion of glucoregulatory hormones (human)
- MO1RR-00044-14 0016 General clinical research center - Release of pituitary and pancreatic hormones in man
- ** MO1RR-00107-11 0025 General clinical research center - Jejunal alcohol perfusion, pancreatic function and bile flow (human)
- MO1RR-00305-08 0085 Clinical research center for children - Pancreatic function and carbohydrate metabolism in newborn
- PANCREAS HORMONES, GLUCAGON**
- R22AI-08209-07 Cellular responses to cholera toxin (rats, bacteria, protozoa)
- ** RO1AM-00888-19 Prediction and long-term study of future diabetes (human)
- RO1AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- RO1AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
- RO1AM-01855-20 N-acetyl, N-carbamyl amino acid metabolism (human, cattle)
- RO1AM-01921-17 Transport processes in mammalian cells (human, rodents)
- ** RO1AM-02001-17 Factors that modify insulin action (rats)
- RO1AM-02244-16 Carbohydrate metabolism (human, dogs)
- ** RO1AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- ** RO1AM-03556-14 Insulin, glucagon, proinsulin (rats, human, pigs)
- RO1AM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
- ** RO1AM-05475-13 Action of hormones and cyclic nucleotides (rats)
- RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- ** RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- PO2AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
- PO1AM-07462-11 0048 Hormonal regulation of metabolism - Carbohydrate and cyclic AMP metabolism in diabetic rats
- RO1AM-07568-11 Mediators controlling DNA synthesis in liver (rats)
- ** RO1AM-07646-11 Hepatic-splanchnic interrelationships (dogs, rats)
- RO1AM-08354-10 Gastric physiology (human, cats, rats, dogs)
- ** RO1AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
- RO1AM-08949-10 Diabetes mellitus in *Psammomys obesus* (rats, guinea pigs, rabbits, hamsters)
- RO1AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- RO1AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
- RO1AM-10149-09 Hormonal control of lipid metabolism (rats)
- ** RO1AM-10151-09 Pathogenesis of diabetes mellitus (human, monkeys, rats)
- RO1AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
- RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
- RO1AM-10334-09 Control processes in mammalian cells (rats, cattle, human)
- RO1AM-10558-09 0010 Peptide hormones affecting calcium metabolism - Thyrocalcitonin and cyclic AMP
- RO1AM-10591-09 Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs)
- RO1AM-10747-08 Altered diet and plasma amino acid pattern (rats)
- RO1AM-10748-08 Effect of diet and hormones on enzymes and metabolism (rats)
- RO1AM-10844-08 Micropuncture study of renal tubular function (human, dogs, baboons)
- RO1AM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
- RO1AM-10913-08 Factors affecting renal physiology in the newborn (dogs, rats, rabbits, monkeys)
- RO1AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- RO1AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
- RO1AM-11376-13 Plasma hormone-binding proteins and estrogen action (mammals)
- RO1AM-11448-08 Cellular regulation of enzyme activity (rabbits, mice)
- RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- ** RO1AM-11674-08 0003 Bone metabolism in chronic disorders - Studies with glucagon (dogs)
- ** MO1AM-12125-04 Synthesis of secretin, glucagon and selected analogs
- RO1AM-12974-05 Factors involved in insulin homeostasis (dogs)
- RO1AM-13228-06 Biological effects of auxiliary liver transplants (rats)
- RO1AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
- RO1AM-13324-06 Nutritional-hormonal control of G-6-P04 dehydrogenase (rats)
- ** RO1AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
- RO1AM-13587-04 Structure activity of human thyrocalcitonin
- RO1AM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
- RO1AM-13914-05 Proinsulin studies (human, animals)
- RO1AM-13941-05 Proinsulin secretion and biological activity (human)
- RO1AM-14070-04 Role of adrenocorticoids in lipolysis (rats, human)
- RO1AM-14340-05 Experimental diabetes (rats)
- RO1AM-14347-06 Control of gluconeogenesis by adrenal hormones (rats)
- RO1AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
- RO1AM-14702-04 0002 Mechanism of insulin antagonism - Infarction (rats)
- RO1AM-14837-04 Studies of a peptide from pancreas (human, chickens)
- RO1AM-15191-04 Physiology, pathology and biochemistry of diabetes (human, rats)
- RO1AM-15462-03 Assay of calcium regulating hormones (human, dogs, sheep, rabbits, guinea pigs)
- RO1AM-15466-02 Role of microtubules and calcium in FFA mobilization (rats)
- RO1AM-15504-01 Synthesis and receptor studies of hormone analogs
- ** RO1AM-15834-03 Autonomic effects on glucagon and insulin secretion (ducks, dogs)
- RO1AM-15919-02 Starvation and regulation of protein degradation (rats)
- RO1AM-15988-03 Regulation of adipose tissue metabolism (rats)
- ** RO1AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
- RO1AM-16060-03 Chemical, temperature, and wound induced epidermal mitosis (human, mice)
- RO1AM-16102-01 0003 Regulation of ketocid metabolism - Hepatic ketocid production (human)
- RO1AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
- RO1AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
- RO1AM-16217-02 Obesity and the regulation of appetite (monkeys)
- ** RO1AM-16319-01 Stimulation of gluconeogenesis from some trioses by glucagon (rats)
- ** RO1AM-16342-01 Pituitary and adrenals in glucagon release and activity (rats, dogs)
- RO1AM-16356-02 Regulation of protein turnover in liver (rats)
- RO1AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
- RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- RO1AM-16659-02 Mechanism of glucose disposition after gastric surgery (human, dogs)
- RO1AM-16826-01 Mechanisms of polypeptide hormone action
- RO1AM-16896-01 Decreased insulin sensitivity in diabetes and other disorders (human)
- RO1AM-16979-01 0002 Hepatic regeneration - Role of cyclic AMP in intracellular regulation of hepatic regeneration (rats)
- P17AM-17026-01 0008 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of liver metabolism
- ** P17AM-17026-01 0009 Vanderbilt University Diabetes-Endocrinology Center - Glucagon structure-activity relationships
- P17AM-17026-01 0015 Vanderbilt University Diabetes-Endocrinology Center - Regulatory mechanisms in lipid metabolism (rats)
- P17AM-17026-01 0021 Vanderbilt University Diabetes-Endocrinology Center - Inotropic effect of tolbutamide in man
- P17AM-17026-01 0024 Vanderbilt University Diabetes-Endocrinology Center - Control by insulin of cyclic AMP metabolism in rat liver (rats)
- ** P17AM-17026-01 0033 Vanderbilt University Diabetes-Endocrinology Center - Gluconeogenic activity of glucagon in intact man
- ** P17AM-17026-01 0034 Vanderbilt University Diabetes-Endocrinology Center - Insulin suppression of glucagon-induced hepatic cyclic AMP release (rats, human)
- P17AM-17026-01 0039 Vanderbilt University Diabetes-Endocrinology Center - Role of prostaglandins on insulin release and production (rats)
- P17AM-17026-01 0043 Vanderbilt University Diabetes-Endocrinology Center - Autonomic modification of substrate and hormonal responses to glucose in man
- P17AM-17042-01 0003 Diabetes endocrinology research center - Sulfonyleurea hypoglycemic agents action and tolerance
- ** P17AM-17042-01 0005 Diabetes endocrinology research center - Modiator of glucagon action on mitochondria and its effect on insulin (rats)
- P17AM-17042-01 0010 Diabetes endocrinology research center - Isolation of insulinogenic materials from the gastrointestinal tract (rats)
- P17AM-17042-01 0011 Diabetes endocrinology research center - Three forms of childhood diabetes mellitus
- P17AM-17046-01 0002 Diabetes endocrinology center - Ketacidosis and hyperosmolar coma (human)
- ** P17AM-17046-01 0006 Diabetes endocrinology center - CNS effects on insulin and glucagon secretion (human)
- RO1AM-17082-01 Neural regulation of insulin secretion rate (dogs)
- RO1AM-17084-01 Bioassay of hepatic hormonal receptor sites (dogs)

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(contd)

- R01AM-17226-01 Growth factor from plerocercoids of *S. mansoni* (also animals)
 R01AM-17236-01 Quantitative studies of metabolic dynamics (dogs)
 R01AM-17260-06 Hepatotrophic factors in splanchnic venous blood (dogs)
 R01AM-17299-02 0001 Induction and suppression of urea cycle enzymes - Liver cell culture
 R01AM-17299-02 0002 Induction and suppression of urea cycle enzymes - Induction of urea cycle enzymes by glucagon (monkeys, rats)
 R01AM-17299-02 0003 Induction and suppression of urea cycle enzymes - Induction by amino acids (rats)
 R01AM-17299-02 0005 Induction and suppression of urea cycle enzymes - Dibutyl-cyclic-amp in rats
 P01AM-17387-01 0001 Physiology and pathophysiology of kidney function - Control of renin release (dogs, rats)
 ** R01AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
 ** R01AM-17558-01 Glucagon biosynthesis in islets of langerhans
 ** R01AM-17585-01 Biosynthesis and secretion of peptide hormones (rats, cattle, swine)
 ** R01AM-17664-01 Hormonal regulation of gluconeogenesis (rat liver)
 R01AM-18130-01 Insulin and human growth hormone - Secretion and metabolic actions
 ** R01AM-42221-00 Glucagon and amino acids in carbohydrate metabolism (human)
 R01CA-05671-14 0013 Glucocorticoid receptors in normal and malignant tissue - Tumor inhibition of enzyme induction (rats)
 R01CA-11766-04 Ion transport and metabolic regulation in neoplasms (rats)
 R01CA-12109-04 0023 Trophoblastic disease - Effects of neoplastic disease on carbohydrate metabolism
 P01CA-12227-04 0001 Core program in carcinogenesis - Biochemical manifestations of aging (rats)
 ** P01CA-14089-01 0007 Pilot multidisciplinary cancer research program - Glucagon receptor in liver plasma membranes (mammals)
 R01CA-15332-01 Cancer of the endocrine pancreas (human)
 R01EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
 R01GM-06920-15 Molecular structure of biologically active molecules
 R01GM-08521-14 Carbon-13 magnetic resonance-Methods and theory
 P01GM-14546-08 0047 Influence of acute illness and injury on energy - Injury and sepsis-Hepatic vs forearm metabolism (human)
 P01GM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)
 P11GM-15431-08 0043 Research center for clinical pharmacology and drug toxicology - The influence of hepatic blood flow on drug disposition (rats, monkeys, human)
 P11GM-15559-07 0035 Clinical pharmacology - Drugs and release of pancreatic hormones in women
 P01GM-15768-06 0001 Sequence of organ failures following trauma - Basic laboratory investigation (mammals nonhuman, human)
 P01GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
 P01GM-16496-06 0040 Clinical pharmacology-Pharmacokinetics - Animal research in drug toxicity (dogs)
 P01GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
 R01GM-17712-04 Hormonal control of gene expression in animal cells (human, rats)
 R01GM-18694-03 Conformation of biopolymers and peptide hormones
 R01GM-19571-02 Metabolism and nutrition in burns and trauma (human, rats)
 R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
 R01GM-19998-02 Role of cell membrane in hormone secretion and action (rats, mice)
 R01GM-21748-01 Metabolism and nutrition in burns and trauma (human, rats)
 R01HD-00371-20 Hormonal function in growth and development in childhood (human)
 R01HD-01233-19 Sites end reactants in amino acid transport (rabbits, rats, birds, bacteria)
 ** R01HD-02455-08 Metabolic and endocrine effects of peptide hormones (human, monkeys)
 R01HD-05740-03 Control of fetal and neonatal glucose metabolism (human, dogs, rats)
 R01HD-06334-03 Regulation of neonatal serum bilirubin concentration (human, rats, dogs)
 ** R01HD-06355-03 Etiology of hypoglycemia in infants and children (human, rats)
 R01HD-06475-01 0002 Carbohydrate and lipid metabolism during development - Factors involved in initiation of gluconeogenesis (rat fetus)
 R01HD-06475-01 0004 Carbohydrate and lipid metabolism during development - Unique aspects of triglyceride synthesis in brown fat (rats)
 ** R01HD-06779-03 Enzymic differentiation in the fetus and newborn (rats, human)
 R01HD-07036-02 Biochemistry of placental development and function (continued)
 ** R01HD-07087-02 Glucagon physiology in fetus, newborn and child (and mammals)
 R01HD-07799-01 Effect of age on adipose tissue lipolysis (goose)
 R01HD-08712-01 Mechanisms of postnatal enzyme development (rats)
 R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
 R01HD-08948-01 Functional maturation of the endocrine pancreas (rats)
 ** R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
 R01HL-01015-23 Hypertension and left ventricular hypertrophy (dogs)
 R01HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
 ** R01HL-03181-17 0024 Hemodynamics as applied to surgical problems - Pharmacological manipulation of blood flow (dogs)
 R01HL-04639-15 Vascular reactivity in surgical care (dogs)
 P01HL-06285-14 0149 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in prediabetic and diabetic subjects
 ** P01HL-08195-12 0018 Circulatory physiology - Metabolic effects of glucagon (human, rats)
 ** P01HL-08195-12 0027 Circulatory physiology - Glucagon and insulin in amino acid metabolism (human, dogs)
 R01HL-08258-10 Movement of the mitral valve (horses)
 R01HL-08659-11 Myocardial performance and metabolism in the newborn (sheep)
 ** P01HL-09814-09 0043 Research program- Cardiovascular and related disease - Relation of serum glucagon to insulin levels in inappropriate insulin responses
 R01HL-09914-09 Myocardial function and metabolism disease (dogs)
 P01HL-11414-07 0023 Thrombosis and atherosclerosis program - Cyclic AMP system controlling myocardial function (hamster)
 R01HL-11668-07 0008 Cineangiographic studies of the cardiovascular system - Renovascular response to vasoconstrictors and vasodilators in oliguric dog
 P01HL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
 R01HL-12745-06 0004 Enzymes and inhibitors of cholesterol biosynthesis - Leukocyte monitoring of lipid metabolism and anticholesteremic drugs (human)
 R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 R01HL-13715-04 Myocardial adenyl cyclase (human, rabbits)
 R01HL-13872-16 0004 Body composition and metabolic care in surgery - Endocrine interrelationships after injury (human)
 P17HL-14159-04 0006 Specialized center of research in hypertension - Catecholamines and myocardial metabolism in hypertensive rats
 ** P17HL-14159-04 0016 Specialized center of research in hypertension - Assay of beta-adrenergic and glucagon receptors in hypertension (rodents)
 P01HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
 R01HL-15696-02 Molecular basis of regulation of heart function (rats)
 R01HL-16535-01 Estimation of portal blood flow (human, dogs)
 R01HL-16552-01 Regulation of cardiac adenyl cyclase activity (cats, bacteria)
 R01HL-16656-01 Left ventricular function in exercise (dogs)
 R01HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
 ** M01RR-00036-14 0154 General clinical research center - Studies of glucagon secretion (human, rats)
 M01RR-00037-14 0071 General clinical research center - Islet cell hyperfunction (human)
 ** M01RR-00037-14 0085 General clinical research center - Control of glucagon secretion in man
 ** M01RR-00037-14 0141 General clinical research center - Role of insulin in glucagon secretion induced by hypoglycemia (human)
 M01RR-00040-14 0028 General clinical research center - Parathyroid hormone secretion in health and disease (human)
 M01RR-00042-14 0009 General clinical research center - Leucine and sulfonylurea induced hypoglycemia (human)
 M01RR-00047-14 0093 General clinical research center - Altered insulin and glucagon secretion in uremia (human)
 M01RR-00048-13 0001 Clinical center - Regulation of metabolic fuels and hormones (human)
 M01RR-00052-13 0034 General clinical research center for children - Endocrinology-Carbohydrate metabolism
 ** M01RR-00055-13 0091 General clinical research center - Metabolic interaction of insulin, glucagon and growth hormone (human)
- ** M01RR-00058-13 0036 General clinical research center - Relationship insulin antagonism to plasma glucagon disturbances (human)
 ** M01RR-00079-12 0104 General clinical research center - Dynamics of glucagon secretion in obesity (human)
 ** M01RR-00082-12 0096 General clinical research center - Stimulation of growth hormone by propranolol glucagon administration (human)
 ** M01RR-00095-14 0039 General clinical research center - Effect of insulin and glucagon on hepatic glucose metabolism in man
 ** M01RR-00095-14 0067 General clinical research center - Vasoactive substances in carcinoid syndrome (human)
 M01RR-01009-11 0001 General clinical research center - Metabolic relationship of obesity and diabetes (human)
 ** M01RR-01025-11 0134 General clinical research center-adult-child - Regulation of alanine metabolism in man
 ** M01RR-01025-11 0136 General clinical research center-adult-child - Glucagon secretion and amino acid insulin relationship
 ** M01RR-01025-11 0180 General clinical research center-adult-child - Glucagon and pancreatic disease
 ** M01RR-01025-11 0181 General clinical research center-adult-child - Pancreatic glucagon response in reactive hypoglycemia
 M01RR-01025-11 0182 General clinical research center-adult-child - Moderate dose of ethyl on glucose tolerance, insulin and glucagon secretion
 M01RR-01025-11 0216 General clinical research center-adult-child - Effect of HGH on glucagon and somatomedin in hypopituitarism
 M01RR-00210-10 0017 General clinical research center-Maternal-child - Constant rate glucose infusion into stomach of newborn infant (human)
 M01RR-00210-10 0018 General clinical research center-Maternal-child - Infusion insulin and growth hormone responses to arginine
 ** M01RR-00210-10 0022 General clinical research center-Maternal-child - Constant rate glucose infusion into pregnant mother during labor and delivery
 M01RR-00210-10 0026 General clinical research center-Maternal-child - Rate of glucose production and utilization in newborn
 M01RR-00210-10 0031 General clinical research center-Maternal-child - Control of amino acid assimilation in low-birth weight infants
 ** M01RR-00210-10 0035 General clinical research center-Maternal-child - Glucose, glucagon and alanine relationship in the newborn
 ** M01RR-00211-10 0031 General clinical research center - Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man
 M01RR-00211-10 0039 General clinical research center - Clinical and biochemical studies of patients with islet cell adenoma
 M01RR-00240-10 0108 General clinical research center-Children - Propranolol therapy for growth retardation
 M01RR-00305-08 0016 Clinical research center for children - Hypoglycemia
 M01RR-00318-08 0068 General clinical research center - Insulin/glucagon ratio in diabetics (human)
 ** M01RR-00400-06 0010 General clinical research center-adult - Glucagon test for growth hormone (human)
 ** M01RR-00425-06 0039 General clinical research center - Effect of intravenous glucagon on acute pancreatitis (human)
 M01RR-00533-06 0002 General clinical research center, adult - Control of HGH in intact man
 M01RR-00533-06 0009 General clinical research center, adult - Small dose human growth hormone perfusion studies in forearm
 M01RR-00533-06 0013 General clinical research center, adult - Body composition and metabolic changes in starvation
 ** M01RR-00533-06 0024 General clinical research center, adult - Carbohydrate and insulin secretion
 ** M01RR-00585-03 0022 General clinical research center - Interrelationships of glucagon, insulin and glucose regulation (human)
- PANCREAS HORMONES, INSULIN**
 SEE ALSO METABOLIC DISORDERS (IMBORN), DIABETES
 SEE ALSO OXIDOREDUCTASES, GLUTATHIONE:INSULIN OXIDOREDUCTASE
 SEE ALSO PANCREATIC ISLETS DISORDERS, HYPERINSULINISM
 SEE ALSO PROTEASES AND PEPTIDASES, INSULINASE
 ** R01AI-00957-19 RNA function in viral infected and uninfected cells
 R01AM-00888-19 Prediction and long-term study of future diabetes (human)
 R01AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
 ** R01AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
 ** R01AM-01324-18 Hormones and intermediary metabolism (human, animals)
 ** R01AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
 R01AM-01549-18 Action of B vitamins in enzymic catabolism
 R01AM-01677-17 Regulatory mechanisms in lipid metabolism (rats, human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

†† Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- RO1AM-01921-17 Transport processes in mammalian cells (human, rodents)
- ** RO1AM-02001-17 Factors that modify insulin action (rats)
- RO1AM-02219-06 Study hormonal regulation of bone metabolism (rats)
- RO1AM-02244-16 Carbohydrate metabolism (human, dogs)
- RO1AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- RO1AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
- ** RO1AM-03416-15 Synthesis and chemistry of oriented peptides
- PO1AM-03555-15 0003 Coordinated studies in rheumatic diseases - Complement components (human, rabbits, chickens)
- ** RO1AM-03556-14 Insulin, glucagon, proinsulin (rats, human, pigs)
- ** RO1AM-03854-14 Regulation of insulin degradation (human, cattle, rats)
- RO1AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
- ** RO1AM-04401-14 Relation of treatment to diabetic complications (human)
- ** RO1AM-04403-14 Relation of treatment to diabetic complications (human)
- ** RO1AM-04407-13 Molecular basis of membrane transport (human, rats, bacteria)
- ** RO1AM-04412-14 Relation of treatment to diabetic complications (human)
- ** RO1AM-04495-14 Relation of treatment to diabetic complications (human)
- RO1AM-04706-14 Plasma triglyceride and lipoprotein lipase (rats)
- ** RO1AM-04842-13 Endocrine regulation of protein synthesis (rats, viruses)
- RO1AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
- RO1AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
- ** RO1AM-05422-13 Relation of treatment to diabetic complications (human)
- ** RO1AM-05475-13 Action of hormones and cyclic nucleotides (rats)
- ** RO1AM-05648-14 Relation of treatment to diabetic complications (human)
- ** RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- ** RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- ** RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- RO1AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
- RO1AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
- ** RO1AM-06725-13 Action of insulin on cell membrane (rats)
- ** RO1AM-06737-12 Relation of treatment to diabetic complications (human)
- ** RO1AM-06739-12 Relation of treatment to diabetic complications (human)
- ** RO1AM-06744-12 Relation of treatment to diabetic complications (human)
- ** RO1AM-06876-12 Relation of treatment to diabetic complications (human)
- PO2AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
- ** RO1AM-07215-10 Hormonal regulation of hepatic glucose production (rats)
- ** RO1AM-07462-11 0050 Hormonal regulation of metabolism - Insulin and the adenylate cyclase-phosphodiesterase system of fat cells
- PO1AM-07462-11 0051 Hormonal regulation of metabolism - Phosphorylation of histones and the acidic nuclear proteins in fat cells
- RO1AM-07568-11 Mediators controlling DNA synthesis in liver (rats)
- RO1AM-07601-11 Relation of treatment to diabetic complications (human)
- RO1AM-07646-11 Hepatic-splanchnic interrelationships (dogs, rats)
- ** RO1AM-07672-11 Metabolic changes during early lactation (rats, cattle)
- RO1AM-07681-09 Adrenergic components of lipid metabolism (rats)
- ** RO1AM-07854-11 Relation of treatment to diabetic complications (rats, cattle)
- ** RO1AM-08076-11 Action of insulin on enzymes of adipose tissue (rats, cattle)
- RO1AM-08272-11 Obesity-Dietary, hormonal and genetic determinants (rats)
- RO1AM-08546-10 Ketogenesis in the ruminant (cattle, goats)
- RO1AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
- PO1AM-08681-09 0025 Diseases of liver and portal circulation - Gluconeogenesis and ketogenesis in the liver (rats, dogs, human)
- ** RO1AM-08949-10 Diabetes mellitus in *Psammomys obesus* (rats, guinea pigs, rabbits, hamsters)
- RO1AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
- ** RO1AM-09059-11 Physiology of pancreatic islets and action of a toxin (headfish)
- ** RO1AM-09113-11 Relation of treatment to diabetic complications (human)
- RO1AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- RO1AM-09232-10 Serum triglycerides and diabetic complications (human)
- RO1AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
- ** RO1AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- R22AM-09980-09 0004 Infantile diarrhea and malnutrition (Peru, Baltimore) - Late effects of malnutrition (human)
- R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
- RO1AM-10149-09 Hormonal control of lipid metabolism (rats)
- ** RO1AM-10151-09 Pathogenesis of diabetes mellitus (human, monkeys, rats)
- RO1AM-10188-09 Hormonal regulation of metabolism (dogs)
- PO2AM-10202-08 0001 Studies in human nutrition - Optimal weight reduction diet in obesity (human)
- ** RO1AM-10591-09 Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs)
- RO1AM-10748-08 Effect of diet and hormones on enzymes and metabolism (rats)
- RO1AM-10844-08 Micropuncture study of renal tubular function (human, dogs, baboons)
- RO1AM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
- RO1AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- RO1AM-11265-06 Adipose tissue regulation of fat metabolism (human, mammals, nonhuman)
- RO1AM-11279-08 Aspects of the control of lipogenesis (rats, guinea pigs, human)
- RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- RO1AM-11748-07 0005 Regulation of metabolic processes - Metabolism of mammary glands (rats)
- ** RO1AM-12479-07 Hypothalamic regulation of food intake (mice)
- ** RO1AM-12763-05 Insulin release in diabetes (human, cattle)
- ** RO1AM-12829-06 Regulation of insulin secretion (human, dogs)
- ** RO1AM-12865-06 Mode of insulin action and glycogen synthetase (tadpoles, rats)
- ** RO1AM-12925-06 Synthetic insulins and analogs (human, mice, pigs)
- ** RO1AM-12974-05 Factors involved in insulin homeostasis (dogs)
- RO1AM-13228-06 Biological effects of auxiliary liver transplants (rats)
- RO1AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
- ** RO1AM-13441-06 Immunology conformation and activity of insulin (mice, guinea pigs)
- RO1AM-13499-06 Regulation of liver growth and function (rats)
- ** RO1AM-13526-05 Amino acids and hormones in gluconeogenesis and obesity (human)
- ** RO1AM-13562-05 Site and nature of insulin receptors in fat cells (rats, human)
- ** RO1AM-13774-05 Glucose-insulin interactions with cell membranes (rats)
- ** RO1AM-13914-05 Proinsulin studies (human, animals)
- RO1AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
- ** RO1AM-13941-05 Proinsulin secretion and biological activity (human)
- RO1AM-14248-03 Pancreatic islet cells-Long term culture (rats)
- ** RO1AM-14334-06 Chemical mechanism of action of insulin (human, rats, rabbits)
- RO1AM-14340-05 Experimental diabetes (rats)
- ** RO1AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
- ** RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- RO1AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
- RO1AM-14781-04 Gastrin action, synthesis and secretion (human, dogs, rats, frogs, swine)
- ** RO1AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
- RO1AM-15019-03 Neuropathy in diabetes-Role of sorbitol pathway (human, rats)
- ** RO1AM-15059-04 Insulin and enzyme turnover in adipose and liver (rats)
- RO1AM-15100-04 Importance of chromium in human nutrition (also mice)
- RO1AM-15191-04 Physiology, pathology and biochemistry of diabetes (human, rats)
- ** RO1AM-15235-04 Mechanism of action of insulin (rats)
- ** RO1AM-15263-03 Effector systems for insulin action on fat cells (rats, human)
- RO1AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)
- ** RO1AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)
- RO1AM-15398-04 Pancreatic islets and beta cell studies (human, mice, rats, rabbits)
- ** RO1AM-15509-03 Mechanism of action of ACTH and insulin (rats)
- ** RO1AM-15564-03 0003 Secretion and hormonal integration of exocrine organs - In vitro insulin release as model of hormone-hormone release
- RO1AM-15615-03 Chromium in lipid and carbohydrate metabolism (rats, human)
- RO1AM-15658-03 Regulation of skeletal metabolism (rats)
- RO1AM-15787-01 Extra-pancreatic significance of proinsulin (swine)
- RO1AM-15788-03 Mechanism of action of antilipolytic drugs (rats)
- RO1AM-15800-03 Metabolism of bone and bone cells (rats)
- RO1AM-15800-03 Hepatic regulatory mechanisms in diabetes (rats)
- ** RO1AM-15834-03 Autonomic effects on glucagon and insulin secretion (ducks, dogs)
- ** RO1AM-15853-03 Receptor assay for insulin (human, swine, cattle)
- RO1AM-15988-03 Regulation of adipose tissue metabolism (rats)
- RO1AM-16009-03 Regulation of gluconeogenesis in liver (guinea pigs, rats)
- RO1AM-16102-01 0002 Regulation of ketoacid metabolism - Daily body balance of ketoacids (human)
- RO1AM-16102-01 0003 Regulation of ketoacid metabolism - Hepatic ketoacid production (human)
- RO1AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
- RO1AM-16156-03 Role of liver in the production of sulfation factor (human, rats)
- RO1AM-16217-02 Obesity and the regulation of appetite (monkeys)
- RO1AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- RO1AM-16348-01 Influence of endogenous secretin on insulin regulation
- ** RO1AM-16371-01 Mechanism of action of insulin
- ** RO1AM-16385-01 Insulin action on the fat cell plasma membrane (rats)
- RO1AM-16421-01 Control of ductular and canalicular bile production (dogs)
- RO1AM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
- ** RO1AM-16437-01 Insulin protease-Purification, mechanism, inhibition
- RO1AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
- ** RO1AM-16534-02 Insulin metabolism in immune and non-immune subjects (human, animals)
- RO1AM-16560-01 Metabolic studies in parenterally fed models (sheep, swine)
- RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- RO1AM-16648-01 Hormonal control of muscle protein degradation (rats)
- RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
- RO1AM-16659-02 Mechanism of glucose disposition after gastric surgery (human, dogs)
- ** RO1AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
- RO1AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- RO1AM-16793-01 Regulation of metabolism
- RO1AM-16826-01 Mechanisms of polypeptide hormone action
- ** RO1AM-16865-02 Isolation of proinsulin mRNA (hamsters)
- RO1AM-16933-02 Glucostatic control of food intake (rats)
- RO1AM-16936-01 Somatomedin effects on chondrocyte tissue (rats)
- P17AM-17026-01 0001 Vanderbilt University Diabetes-Endocrinology Center - Autonomic control over metabolic homeostasis (rats)
- ** P17AM-17026-01 0004 Vanderbilt University Diabetes-Endocrinology Center - Effects of insulin on protein kinase in adipose tissue
- ** P17AM-17026-01 0006 Vanderbilt University Diabetes-Endocrinology Center - Degradation of insulin by plasma membranes of rat adipocytes
- P17AM-17026-01 0010 Vanderbilt University Diabetes-Endocrinology Center - Disulfide chemistry
- P17AM-17026-01 0013 Vanderbilt University Diabetes-Endocrinology Center - Effectiveness of oral hypoglycemic drugs (human)
- P17AM-17026-01 0015 Vanderbilt University Diabetes-Endocrinology Center - Regulatory mechanisms in lipid metabolism (rats)
- ** P17AM-17026-01 0017 Vanderbilt University Diabetes-Endocrinology Center - Characterization of the insulin receptor of fat cells

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

P17AM-17026-01 0018 Vanderbilt University Diabetes-
Endocrinology Center - Membrane transport of ascorbic acid
P17AM-17026-01 0020 Vanderbilt University Diabetes-
Endocrinology Center - Hormonal regulation of nuclear
protein phosphorylation in isolated fat cells
P17AM-17026-01 0021 Vanderbilt University Diabetes-
Endocrinology Center - Isotropic effect of tolbutamide in
man
P17AM-17026-01 0023 Vanderbilt University Diabetes-
Endocrinology Center - Hormonal regulation of metabolism
** P17AM-17026-01 0024 Vanderbilt University Diabetes-
Endocrinology Center - Control by insulin of cyclic AMP
metabolism in rat liver (rats)
P17AM-17026-01 0028 Vanderbilt University Diabetes-
Endocrinology Center - Nature and origin of somatomedin
P17AM-17026-01 0030 Vanderbilt University Diabetes-
Endocrinology Center - Role of cyclic GMP
P17AM-17026-01 0033 Vanderbilt University Diabetes-
Endocrinology Center - Gluconeogenic activity of glucagon
in intact man
P17AM-17026-01 0034 Vanderbilt University Diabetes-
Endocrinology Center - Insulin suppression of glucagon-
induced hepatic cyclic AMP release (rats, human)
P17AM-17026-01 0038 Vanderbilt University Diabetes-
Endocrinology Center - Regulation of skeletal muscle
glycogen synthetase kinase and phosphatase
** P17AM-17026-01 0039 Vanderbilt University Diabetes-
Endocrinology Center - Role of prostaglandins on insulin
release and production (rats)
P17AM-17026-01 0040 Vanderbilt University Diabetes-
Endocrinology Center - Inactivation of peptide hormones by
target cell membranes (rats)
** P17AM-17026-01 0041 Vanderbilt University Diabetes-
Endocrinology Center - Role of insulin in growth of human
cells in culture
P17AM-17026-01 0043 Vanderbilt University Diabetes-
Endocrinology Center - Autonomic modification of substrate
and hormonal responses to glucose in man
** P17AM-17026-01 0044 Vanderbilt University Diabetes-
Endocrinology Center - Action of insulin on heart cyclic
AMP-dependent protein
P17AM-17026-01 0046 Vanderbilt University Diabetes-
Endocrinology Center - Hormonal regulation of glucose entry
into cells
P17AM-17026-01 0047 Vanderbilt University Diabetes-
Endocrinology Center - B cells (rats)
** P17AM-17042-01 0005 Diabetes endocrinology research
center - Mediator of glucagon action on mitochondria and
its effect on insulin (rats)
** P17AM-17042-01 0006 Diabetes endocrinology research
center - Insulin action and glucose membrane transport
mechanism (human)
** P17AM-17042-01 0007 Diabetes endocrinology research
center - Hormonal control of protein kinase phosphorylation
(rabbits)
** P17AM-17042-01 0008 Diabetes endocrinology research
center - Protein kinase inhibitor formed in insulin presence
(rats, rabbits)
** P17AM-17042-01 0009 Diabetes endocrinology research
center - Insulin effects on the cyclic nucleotide inhibitor
and cyclic GMP
** P17AM-17042-01 0010 Diabetes endocrinology research
center - Isolation of insulinogenic materials from the
gastrointestinal tract (rats)
** P17AM-17046-01 0002 Diabetes endocrinology center -
Ketocidosis and hyperosmolar coma (human)
P17AM-17046-01 0003 Diabetes endocrinology center -
Follow up of newly diagnosed diabetics (children)
** P17AM-17046-01 0004 Diabetes endocrinology center -
Residual beta cell function in insulin requiring diabetics
(human)
** P17AM-17046-01 0006 Diabetes endocrinology center -
CNS effects on insulin and glucagon secretion (human)
P17AM-17047-01 0004 Diabetes endocrinology research
center - Diabetes, obesity and other conditions altering fuel
physiology (human)
** P17AM-17047-01 0006 Diabetes endocrinology research
center - Mathematical modeling of insulin secretion
R01AM-17076-01 Regulation of adipose lipid metabolism
(rats, mice)
** R01AM-17082-01 Neural regulation of insulin secretion
rate (dogs)
** R01AM-17112-02 Neural control of insulin secretion (rats,
dogs)
** R01AM-17200-01 Regulation of adipocyte insulin sensitivity
(rats, human)
R01AM-17226-01 Growth factor from plerococoids of *S*
mansonioides (also animals)
R01AM-17236-01 Quantitative studies of metabolic
dynamics (dogs)
R01AM-17260-06 Hepatotrophic factors in splanchnic
venous blood (dogs)
R01AM-17299-02 0001 Induction and suppression of urea
cycle enzymes - Liver cell culture
R01AM-17299-02 0003 Induction and suppression of urea
cycle enzymes - Induction by amino acids (rats)
** R01AM-17347-02 Insulin sensitive glucoregulator in the
CNS (rats, dogs, mice)
R01AM-17403-01 Control metabolism of glucose
metabolism in fat cells (rodents, rabbits, human)

** R01AM-17431-01 Role of cAMP in insulin and glucagon
secretion (human, mice, rats)
R01AM-17438-01 Physiologic roles of cyclic GMP and cyclic
AMP (dogs, rats)
R01AM-17456-02 Fat mobilization and protein sparing
therapy (human, rats)
R01AM-17574-01 Fluxes across biomembranes and peptide
hormone action (rats)
** R01AM-17585-01 Biosynthesis and secretion of peptide
hormones (rats, cattle, swine)
P17AM-17624-01 0001 Obesity center - Body nutrient
reserves and feeding behavior (rats, mice)
P17AM-17624-01 0004 Obesity center - Control of lipolysis
in obesity (human)
P17AM-17624-01 0007 Obesity center - Role of ketone
bodies in energy metabolism in lean and obese men
P17AM-17624-01 0008 Obesity center - Hormonal
responses to food related cues in lean and obese subjects
R01AM-17631-01 Genetic control of hyperplasia in the
endocrine pancreas (mice)
R01AM-17660-01 Adipocyte metabolism as related to cell
size (rats)
** R01AM-17668-01 Factors controlling and modifying insulin
secretion (rats, hamsters)
R01AM-17766-01 Selective differentiation-Human islet
organ culture (fetal)
R01AM-17776-01 Phosphopeptide metabolism in adipocytes
(rats)
** R01AM-18092-01 Action of insulin on enzymes of adipose
tissue (rats)
** R01AM-18104-01 Insulin mode of action in toad skins
** R01AM-18130-01 Insulin and human growth hormone-
Secretion and metabolic actions
R01CA-05671-14 0013 Glucocorticoid receptors in normal
and malignant tissue - Tumor inhibition of enzyme
induction (rats)
P02CA-05831-13 0004 Cancer clinical research - Hormona
producing non-endocrine tumors (human)
R01CA-06081-13 0004 Ultrastructural pathology -
Localization of cations in the endocrine pancreas
(mammals)
P02CA-07357-10 0015 Special children's cancer center
program - Transient diabetes mellitus secondary to L-
asparaginase in acute leukemia
R01CA-10064-12 Hormonally sensitive tumors (mice, rats)
** P02CA-11198-06 0004 Cancer research center -
Biochemical characteristics of neoplasms (rodents, dogs,
human)
P01CA-12227-04 0007 Core program in carcinogenesis -
Factors regulating lipogenesis and gluconeogenesis (rats)
P01CA-12227-04 0017 Core program in carcinogenesis -
Glucose utilization and synthesis in liver (human, rats,
dogs)
P02CA-12247-03 0036 Pediatric oncology center -
Neutrophil function studies (human)
R01CA-13223-02 Endocrine metabolic influence in
endometrial carcinoma (human)
** P01CA-13330-03 0051 Cancer research program -
Adaptation of a hamster insulinoma to tissue culture
R01CA-13881-02 Radiation in vitro-Mammary cell survival-
Neoplasia (rats)
R01CA-13914-02 Chemical carcinogenesis of the
mammary gland (rats)
** P01CA-14599-01 0015 University of Chicago Cancer
Research Center - Role of insulin in biochemical regulation
(rats)
P02CA-15145-01 0010 Cancer center support grant -
Carbohydrate metabolism and placental hormones in
trophoblastic disease (human)
R01CA-15653-04 Biochemistry of amino sugars (bacteria)
R01CA-15773-01 Hormone-membrane interaction in
neoplasia (human)
N01CB-43866-00 Mammary gland responsiveness to
multiple hormones
** N01CP-33358-01 Hormonal factors on induction of breast
tumors (monkeys, rats, human)
P01DA-00250-03 0013 Research center-Studies of drug
dependence and abuse - Morphological and functional
toxicity of methamphetamine (monkeys)
R01DA-01057-01 0001 Drugs of abuse-Pharmacokinetics,
metabolism and response - Stimulant drugs and minimal
brain dysfunction (children)
P13DE-02623-08 0012 Center for oral health research -
Collagen synthesis and extrusion by fibroblasts in culture
P10ES-00210-07 0025 Center for environmental
management - Steady state subacute and subchronic
hydrazine intoxication (rats)
R01EY-00362-07 Control of cell division in the ocular lens
(rabbits)
P01EY-00785-03 0005 Vision research center - Hormones
and ocular transparency and secretion
R01GM-08521-14 Carbon-13 magnetic resonance-Methods
and theory
** R01GM-09410-12 Hemoproteins, lysozyme and insulin
(human, horses)
P11GM-12675-10 0055 Biochemical toxicology and
pharmacology - Islet cell degeneration caused by
cyproheptadine and other drugs (rats, mice)
R01GM-12805-10 Labeled RNA associated with nuclear
ribosomes (liver cells, mammals)

P01GM-14546-08 0047 Influence of acute illness and
injury on energy - Injury and sepsis-Hepatic vs forearm
metabolism (human)
P11GM-15559-07 0035 Clinical pharmacology - Drugs and
release of pancreatic hormones in women
P11GM-15559-07 0041 Clinical pharmacology - Pediatric
clinical pharmacology
P11GM-15956-07 0024 Factors affecting the responses to
drugs - Carbohydrate intolerance following nicotine alcohol
(dogs)
R01GM-16133-07 0003 Immobilized enzymes to analyze
and alter metabolism - Immobilized antibody for
radioimmunoassays (mammal)
P01GM-16437-06 0004 Biomedical engineering program
project - Metabolic and renal systems (dogs)
P01GM-17366-04 0001 Biochemical and physiologic
response to trauma - Endocrine aspects of shock and
trauma (human, monkeys)
P01GM-17366-04 0002 Biochemical and physiologic
response to trauma - Cellular biochemical response to
shock and trauma (human, mammals)
R01GM-17712-04 Hormonal control of gene expression in
animal cells (human, rats)
P01GM-17961-04 0004 Body compositional changes in
severe trauma - Nutritional infusion studies (human, dogs)
P01GM-17961-04 0012 Body compositional changes in
severe trauma - Endocrinology of severe burn trauma
(human)
** P01GM-19100-03 0005 Genetics research center -
Transplantable insulinoma as model of beta cells
(hamsters)
** P01GM-19100-03 0006 Genetics research center -
Prediabetic state (human)
** P01GM-19100-03 0026 Genetics research center - Insulin
binding and response to the hormone in cell cultures
(human)
P01GM-19527-03 0006 Human genetics - Growth and
differentiation of amnion and endocrine pancreas
R01GM-19571-02 Metabolism and nutrition in burns and
trauma (human, rats)
R01GM-19998-02 Role of cell membrane in hormone
secretion and action (rats, mice)
R01GM-20194-03 Vanadyl ion EPR-Heavy metal binding in
proteins
R01GM-20338-07 Histone biochemistry and the influence of
hormones (rats)
R01GM-20523-01 Cyclic AMP and control of division in
mammalian cells (tissue culture)
R01GM-20630-02 New concepts in parenteral protein
sparing therapy (rats, dogs, swine)
R01GM-20946-01 Nonimmunogenic enzymes for therapeutic
use (mammals, fungi, bacteria)
R01GM-21075-01 Metabolic basis for homeostasis in shock
(rats, dogs, monkeys)
R01GM-21361-01 Biologic role of cyclic nucleotide
phosphodiesterase (rodents, chick embryo)
R01GM-21748-01 Metabolism and nutrition in burns and
trauma (human, rats)
R01HD-00588-12 Biochemical genetics of cultured human
cells (also rodents)
R01HD-01233-19 Sites and reactants in amine acid
transport (rabbits, rats, birds, bacteria)
P01HD-01799-09 0034 Mental retardation research center
- Human cytogenetics and biochemical genetics
R01HD-03236-06 Metabolism of lipids and calcium during
aging (rats)
R01HD-03326-07 0001 Effects of early nutrition on growth
and development - Metabolic studies (human)
R01HD-03326-07 0003 Effects of early nutrition on growth
and development - Animal studies (rats, mice)
R01HD-03959-06 Carbohydrate metabolism in the neonate
(human, swine, rats)
** P01HD-04024-06 0009 Mental retardation research center
- Insulin in juvenile diabetes (human)
R01HD-04365-13 Formation and metabolism of steroids in
pregnancy (human, animals)
** P01HD-04872-04 0009 Metabolism and aging - Insulin
synthesis in isolated islets (rats)
P01HD-05077-05 0013 Reproductive biochemistry and
medicine - Tritium labeled polypeptide and protein
hormones (rats, human)
P01HD-05523-04 0003 Analysis of genetic effects on
aging - Neurochemical, neuroendocrine and
neurophysiological status of aging mice
R01HD-05740-03 Control of fetal and neonatal glucose
metabolism (human, dogs, rats)
P01HD-05874-04 0001 Biochemical regulation of aging
processes - Age-dependent control of enzyme adaptation
(rats)
P01HD-05874-04 0002 Biochemical regulation of aging
processes - Age dependent P-enolpyruvate carboxylase
regulation in liver (rats)
R01HD-06007-03 0002 Metabolism of myoinositol during
development (rats) - Myoinositol activity in mammary
glands
** R01HD-06284-03 Production rate of HGH and other
hormones in growth (human)
R01HD-06334-03 Regulation of neonatal serum bilirubin
concentration (human, rats, dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-06355-03 Etiology of hypoglycemia in infants and children (humane rats)
- R01HD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
- R01HD-06475-01 0004 Carbohydrate and lipid metabolism during development - Unique aspects of triglyceride synthesis in brown fat (rats)
- R01HD-07036-02 Biochemistry of placental development and function (continued)
- R01HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
- R01HD-08466-01 Mechanism of luteinization in vitro and in vivo (monkeys, swine)
- R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- R01HD-08948-01 Functional maturation of the endocrine pancreas (rats)
- R01HL-01813-20 Regulation of metabolism by drugs and hormones (rats)
- R01HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
- R01HL-04219-16 Fatty acid biosynthesis (rats)
- P01HL-06285-14 0149 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in prediabetic and diabetic subjects
- P01HL-06285-14 0159 Cardiovascular-respiratory physiology and biochemistry - Heart rate and coronary blood flow in congestive heart failure (human)
- ** P01HL-06308-14 0024 Mechanisms and therapy of circulatory disease - Insulin induction of enzyme biosynthesis in the liver (rats)
- ** P01HL-08195-12 0009 Circulatory physiology - Carbohydrate and fat metabolism - Insulin-receptor interaction (rats)
- ** P01HL-08195-12 0011 Circulatory physiology - Effect of hormones on the phosphorylation of nuclear histones (human, rats)
- ** P01HL-08195-12 0027 Circulatory physiology - Glucagon and insulin in amino acid metabolism (human, dogs)
- ** R01HL-08506-11 Lipemia-carbohydrate and glyceride metabolism (human, rats)
- R01HL-08659-11 Myocardial performance and metabolism in the newborn (sheep)
- P01HL-08682-11 0012 Regulation of the cardiovascular system - Hepatic circulation and macrophage function during endotoxin shock (rats)
- P01HL-08805-10 0011 Cardiovascular and pulmonary performance - Hyperlipidemia and atherosclerosis (human, animals)
- ** P01HL-09814-09 0001 Research program - Cardiovascular and related disease - Fasting serum lipid levels, glucose tolerance and insulin curves (human)
- ** P01HL-09814-09 0043 Research program - Cardiovascular and related disease - Relation of serum glucagon to insulin levels in inappropriate insulin responses
- P01HL-10098-10 0023 Primates in cardiovascular research - Lipid metabolism
- P01HL-10098-10 0024 Primates in cardiovascular research - Vascular structure and ultrastructure
- P01HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
- P01HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology
- R01HL-10406-09 Synthesis, metabolism and function of lipids (rats, bacteria)
- R01HL-11534-07 Mechanism of cardiac hypertrophy (rats)
- P01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- R01HL-12745-06 0004 Enzymes and inhibitors of cholesterol biosynthesis - Leukocyte monitoring of lipid metabolism and anticholesterol drugs (human)
- R01HL-12869-05 Arterial metabolism, diabetes and atherogenesis (hamsters, mice, rats, human)
- R01HL-13630-04 Control of glycogen synthesis in heart (cattle)
- R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
- R01HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
- R01HL-13872-16 0004 Body composition and metabolic care in surgery - Endocrine interrelationships after injury (human)
- P17HL-14141-04 0003 SCOR for atherosclerosis in childhood - Detection of abnormalities in lipid metabolism (human, rabbits, rats)
- P17HL-14174-04 0004 Atherosclerosis behavioral and epidemiological studies - Hypertriglyceridemia (human)
- ** P17HL-14174-04 0005 Atherosclerosis behavioral and epidemiological studies - Factors controlling insulin release
- R01HL-14520-08 Normokalemic primary aldosteronism (human, rats, dogs)
- R01HL-14706-03 Fetal hearts in organ culture (mice)
- P17HL-15062-03 0009 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)
- R01HL-15811-02 Small vessel pathophysiology in diabetes mellitus (dogs)
- ** R01HL-15968-02 Dietary control of hepatic lipoproteins synthesis (gerbils)
- R01HL-15985-02 Metabolic and hormonal control of cardiac contraction
- R01HL-16320-02 0003 Vasoactive peptides which stimulate smooth muscles - Kinase-converting enzyme (rats)
- R01HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)
- R01HL-16364-01 0002 Regulation of lipid biosynthesis and transport - Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis
- R01HL-16520-01 Lipid and lipoprotein synthesis in liver cells (rats, chickens, pigeons)
- R01HL-16567-01 Differentiation of the heart-cell membrane (mice, chick)
- R01HL-16634-09 0001 Regulation of metabolism in fibroblasts and platelets - Regulation of fatty acid biosynthesis in skin fibroblasts (human, mice, rats)
- R01HL-16634-09 0002 Regulation of metabolism in fibroblasts and platelets - Mechanism of platelet release reaction (human)
- NO1HV-12159-04 Lipid research clinic (human)
- P01MH-17565-03 0004 Genetics of the XY phenomena in man - Endocrine investigations (human)
- R01MH-19438-04 0002 Neurochemistry of obesity and learned taste aversions - Peripheral and endocrine influences on changes in feeding (rats)
- ** R01MH-19438-04 0004 Neurochemistry of obesity and learned taste aversions - Brain mechanisms that control insulin in relation to obesity (rats, mice)
- ** R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
- P01NS-06208-09 0004 Epilepsy research program - Action of diphenhydantoin (lobsters, rats, cattle, rabbits)
- ** P01NS-07253-06 0011 Center for clinical studies of head injuries - Glucose-insulin response to head injury (monkeys)
- ** P01NS-07253-06 0012 Center for clinical studies of head injuries - Glucose-insulin response to head injury (human)
- P01NS-07253-06 0018 Center for clinical studies of head injuries - Effects of head injury on hypothalamic-hypophysial function (human)
- ** R01NS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
- ** MO1RR-00030-13 0053 General clinical research center - Menamines and insulin secretion (human)
- ** MO1RR-00030-13 0123 General clinical research center - Insulin release during cephalic phase of digestion in volunteers
- MO1RR-00031-14 0054 General clinical research center - Hormonal control of fuel metabolism (human)
- MO1RR-00034-14 0051 General clinical research center - Effects of overfeeding sugars on glucose, insulin and lipid metabolism (human)
- MO1RR-00035-14 0086 General clinical research centers - Control on insulin and growth hormone in pregnancy-arginine infusion (human)
- ** MO1RR-00036-14 0038 General clinical research center - Growth hormone antagonism to insulin and beta cell stimulation (human)
- ** MO1RR-00036-14 0040 General clinical research center - Insulin secretion in obesity - Carbohydrate infusion after fasting (human)
- ** MO1RR-00036-14 0137 General clinical research center - Insulin secretion and glucose tolerance in uremia (human)
- MO1RR-00036-14 0154 General clinical research center - Studies of glucagon secretion (human, rats)
- ** MO1RR-00036-14 0182 General clinical research center - Growth hormone, insulin and glucose levels during sleep (human)
- MO1RR-00036-14 0184 General clinical research center - Genetic of diabetes (human)
- ** MO1RR-00036-14 0185 General clinical research center - In vivo insulin metabolism in various endocrine states (human)
- ** MO1RR-00036-14 0187 General clinical research center - Effect of dietary composition on insulin secretion in obesity (human)
- MO1RR-00036-14 0204 General clinical research center - Insulin levels in juvenile diabetes during carbohydrate intolerance (human)
- MO1RR-00036-14 0206 General clinical research center - Insulin and growth hormone dynamics in childhood obesity
- MO1RR-00037-14 0071 General clinical research center - Islet cell hyperfunction (human)
- ** MO1RR-00037-14 0085 General clinical research center - Control of glucagon secretion in man
- ** MO1RR-00037-14 0141 General clinical research center - Role of insulin in glucagon secretion induced by hypoglycemia (human)
- ** MO1RR-00037-14 0142 General clinical research center - Effect of aging on insulin release mechanism in man
- ** MO1RR-00044-14 0087 General clinical research center - Effect of sympathectomy on insulin release (human)
- MO1RR-00047-14 0093 General clinical research center - Altered insulin and glucagon secretion in uremia (human)
- MO1RR-00048-13 0001 Clinical center - Regulation of metabolic fuels and hormones (human)
- ** MO1RR-00050-13 0057 Wilson's disease - The effects of insulin on lipid metabolism (human)
- MO1RR-00052-13 0034 General clinical research center for children - Endocrinology - Carbohydrate metabolism
- ** MO1RR-00053-13 0056 Clinical research center - Plasma insulin and growth hormone in galactosemia (human)
- MO1RR-00053-13 0079 Clinical research center - Endocrine effects on leukocytopoiesis (rats)
- ** MO1RR-00055-13 0016 General clinical research center - Juvenile diabetes - Proinsulin metabolism (human)
- ** MO1RR-00055-13 0091 General clinical research center - Metabolic interaction of insulin, glucagon and growth hormone (human)
- ** MO1RR-00055-13 0100 General clinical research center - Autoregulation of insulin secretion (human)
- ** MO1RR-00055-13 0106 General clinical research center - Measurement of insulin and proinsulin in obesity and insulinoma (human)
- MO1RR-00055-13 0107 General clinical research center - C-peptide as indicator of insulin secretion in diabetes (human)
- ** MO1RR-00055-13 0108 General clinical research center - Serum insulin levels following administration of insulin (human)
- MO1RR-00055-13 0109 General clinical research center - Metabolic unresponsiveness in chronic inflammatory bowel disease (children)
- ** MO1RR-00056-13 0011 General Clinical Research Center - Effect of reestablishment of normoglycemia on pancreatic insulin reserve (human)
- MO1RR-00064-10 0054 General clinical research center - Insulin, lipid and carbohydrate relationship in myotonic dystrophy (human)
- ** MO1RR-00068-12 0043 General clinical research center - Insulin allergy in juvenile diabetes
- MO1RR-00069-12 0023 General clinical research center, children - Nychthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma
- MO1RR-00069-12 0089 General clinical research center, children - Insulin metabolism in untreated juvenile diabetics
- ** MO1RR-00070-12 0077 General clinical research center - Relationship of glucose, insulin and growth hormone in renal failure (human)
- MO1RR-00079-12 0022 General clinical research center - Endogenous insulin secretion in insulin-treated diabetes (human)
- MO1RR-00079-12 0028 General clinical research center - Effects of intravenous arginine on insulin secretion in diabetes (human)
- MO1RR-00079-12 0073 General clinical research center - Insulin, GH and gonadotropic secretion in growth retardation (human)
- ** MO1RR-00079-12 0118 General clinical research center - Evaluation of highly purified insulin for diabetes (human)
- MO1RR-00084-12 0039 General clinical research center - children - Glucose tolerance sums and glucose-insulin ratios
- MO1RR-00086-12 0004 General clinical research center - children - Effect of human growth hormone on hypopituitary dwarfs
- MO1RR-00086-12 0024 General clinical research center - children - Assessment of the prediabetic child
- MO1RR-00086-12 0026 General clinical research center - children - Endocrine pancreatic function in cystic fibrosis
- MO1RR-00086-12 0028 General clinical research center - children - Ketotic hypoglycemia (carbohydrate tolerance, insulin secretion)
- MO1RR-00086-12 0029 General clinical research center - children - Linear growth in congenital adrenal hyperplasia
- ** MO1RR-00088-11 0051 General clinical research center - Effect of insulin on amino acid metabolism (human)
- ** MO1RR-00095-14 0039 General clinical research center - Effect of insulin and glucagon on hepatic glucose metabolism in man
- ** MO1RR-00095-14 0063 General clinical research center - Insulin inhibition of insulin secretion (human)
- MO1RR-00096-14 0057 Clinical research center - Vascular disease in diabetes (human)
- MO1RR-00107-11 0056 General clinical research center - Evaluation of in vivo hormone secretion by endocrine tumors (human)
- MO1RR-00109-11 0001 General clinical research center - Metabolic relationship of obesity and diabetes (human)
- MO1RR-00125-11 0134 General clinical research center - adult-child - Regulation of alanine metabolism in man
- MO1RR-00125-11 0136 General clinical research center - adult-child - Glucagon secretion and amino acid insulin relationship
- MO1RR-00125-11 0182 General clinical research center - adult-child - Moderate dose of etylol on glucose tolerance, insulin and glucagon secretion
- ** MO1RR-00134-10 0049 General clinical research center - Effects of diabetes and insulin on plasma lactic acid (human)
- MO1RR-00134-10 0062 General clinical research center - Effects of insulin, plasma glucose, lactic acid, fatty acid and glycerol (human)
- P06RR-00166-14 Regional primate research center at University of Washington

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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- MO1RR-00210-10 0017 General clinical research center - Maternal-child - Constant rate glucose infusion into stomach of newborn infant (human)
- ** MO1RR-00210-10 0018 General clinical research center - Maternal-child - Infusion insulin and growth hormone responses to arginine
- MO1RR-00210-10 0026 General clinical research center - Maternal-child - Rate of glucose production and utilization in newborn
- ** MO1RR-00210-10 0027 General clinical research center - Maternal-child - Human fetal insulin at term gestation - Placental transfer of insulin
- MO1RR-00210-10 0031 General clinical research center - Maternal-child - Control of amino acid assimilation in low-birth weight infants
- ** MO1RR-00211-10 0031 General clinical research center - Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man
- MO1RR-00211-10 0039 General clinical research center - Clinical and biochemical studies of patients with islet cell adenoma
- ** MO1RR-00211-10 0052 General clinical research center - Plasma insulin, proinsulin and nonsuppressible insulin like activity in man
- ** MO1RR-00229-09 0045 General clinical research center - Effects of sweetening agents on insulin release (human)
- MO1RR-00229-09 0065 General clinical research center - Assessment of pituitary reserve in pretreatment with dexamethasone (human)
- MO1RR-00261-09 0098 General clinical research center - Amino acid, free fatty acids, insulin in diabetes (human)
- PO7RR-00267-09 0079 Biomedical data processing unit - Blood glucose regulation
- PO7RR-00267-09 0113 Biomedical data processing unit - Clinical research
- MO1RR-00287-08 0004 General clinical research center - Adrenergic receptor sites in regulation of fat mobilization (human)
- ** MO1RR-00287-08 0056 General clinical research center - Insulin reserve in juvenile diabetes
- MO1RR-00305-08 0011 Clinical research center for children - Proinsulin metabolism in juvenile diabetes
- MO1RR-00318-08 0068 General clinical research center - Insulin/glucagon ratio in diabetes (human)
- ** MO1RR-00349-08 0032 General clinical research center - Insulin and hepatic ketoadic production (human)
- ** MO1RR-00349-08 0033 General clinical research center - Insulin release following sodium acetate infusion in man
- ** MO1RR-00349-08 0039 General clinical research center - Metabolic effects of sorbitol in humans
- ** MO1RR-00400-06 0021 General clinical research center - adult - Insulin and carbohydrate metabolism in myotonic dystrophy (human)
- ** MO1RR-00400-06 0042 General clinical research center - adult - Insulin release and reserve in cystic fibrosis (human)
- ** MO1RR-00425-06 0046 General clinical research center - Body weight, hypothalamus function, and obesity in insulin secretion (human)
- MO1RR-00425-06 0074 General clinical research center - Alcoholic ketoacidosis and hypophosphatemia (human)
- MO1RR-00533-06 0002 General clinical research center, adult - Control of GH in intact man
- ** MO1RR-00533-06 0009 General clinical research center, adult - Small dose human growth hormone perfusion studies in forearm
- MO1RR-00533-06 0013 General clinical research center, adult - Body composition and metabolic changes in starvation
- ** MO1RR-00533-06 0024 General clinical research center, adult - Carbohydrate and insulin secretion
- MO1RR-00533-06 0045 General clinical research center, adult - Factors modifying metabolic responsiveness to GH (human)
- ** MO1RR-00585-03 0022 General clinical research center - Interrelationships of glucagon, insulin and glucose regulation (human)
- PO6RR-00640-03 0002 Nutritionally defined gnotobiotic development and use - Function and metabolism of germ free rodent (and dogs)
- MO1RR-00645-03 0042 Clinical research center - Intravenous nutrition in infants and children
- MO1RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
- MO1RR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation
- MO1RR-00828-01 0032 General clinical research center - Effect of regulation on natural history of diabetes (human)
- ** MO1RR-00865-01 0007 General clinical research center - Effect of thyrotoxicosis on insulin secretion (human)

PANCREAS HORMONES, INSULIN, PROINSULIN

- ** RO1AM-01320-18 Structure of proteins and peptide hormones
- PO1AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- ** RO1AM-03556-14 Insulin, glucagon, proinsulin (rats, human, pigs)

- ** RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- ** RO1AM-13914-05 Proinsulin studies (human, animals)
- ** RO1AM-15787-01 Extra-pancreatic significance of proinsulin (swine)
- RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- P11GM-12675-10 0055 Biochemical toxicology and pharmacology - Islet cell degeneration caused by cyproheptadine and other drugs (rats, mice)
- RO1GM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- PO1HD-04872-04 0005 Metabolism and aging - Glucose homeostasis in aging humans
- MO1RR-00037-14 0142 General clinical research center - Effect of aging on insulin release mechanism in man
- MO1RR-00048-13 0001 Clinical center - Regulation of metabolic fuels and hormones (human)
- ** MO1RR-00055-13 0016 General clinical research center - Juvenile diabetes-Proinsulin metabolism (human)
- ** MO1RR-00055-13 0106 General clinical research center - Measurement of insulin and proinsulin in obesity and insulinoma (human)
- ** MO1RR-00211-10 0031 General clinical research center - Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man
- MO1RR-00211-10 0039 General clinical research center - Clinical and biochemical studies of patients with islet cell adenoma
- ** MO1RR-00211-10 0052 General clinical research center - Plasma insulin, proinsulin and nonsuppressible insulin like activity in man
- ** MO1RR-00305-08 0011 Clinical research center for children - Proinsulin metabolism in juvenile diabetes

PANCREAS HORMONES, INSULIN, PROTEIN

BOUND INSULIN

- ** P17AM-17042-01 0001 Diabetes endocrinology research center - Thermodynamics of insulin binding
- RO1HD-08299-01 The hormonal control of fetal growth (rat, chick embryo)

PANCREAS HORMONES, INSULIN INHIBITORS

- RO1AM-01677-17 Regulatory mechanisms in lipid metabolism (rats, human)
- RO1AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, rabbits, human)
- RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
- RO1AM-12402-07 Regulation of enzymes in mevalonate synthesis (yeasts, human, rats)
- RO1AM-12763-05 Insulin release in diabetes (human, cattle)
- RO1AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
- RO1AM-13321-06 Metabolic and morphologic studies of obesity (human, rats)
- M RO1AM-14702-04 Mechanism of insulin antagonism
- ** RO1AM-14702-04 0001 Mechanism of insulin antagonism - Obesity (human)
- ** RO1AM-14702-04 0002 Mechanism of insulin antagonism - Infection (rats)
- ** RO1AM-14702-04 0003 Mechanism of insulin antagonism - Uremia (human)
- ** RO1AM-14702-04 0004 Mechanism of insulin antagonism - Growth hormone and the glucose fatty acid cycle (rats)
- RO1AM-15272-03 Metabolism of perfused hind limb (rats)
- RO1AM-15641-03 Biochemistry of 5-thio-D-glucose (rats)
- ** P17AM-17026-01 0036 Vanderbilt University Diabetes-Endocrinology Center - Insulin inhibition of insulin secretion in normal man
- RO1AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
- ** RO1AM-17645-01 Somatomedin-In vivo and in vitro actions (rats, chicks)
- NO1AM-42215-00 Abnormalities of carbohydrate metabolism in chronic uremia (human, rats)
- RO1CA-12109-04 0023 Trophoblastic disease - Effects of neoplastic disease on carbohydrate metabolism
- ** RO1HD-06775-03 Hypoxia, metabolism, and neonatal thermoregulation (dogs)
- ** MO1RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- ** MO1RR-00626-02 0075 General clinical research center - Metabolic studies of lipotrophic diabetes (human, rats)

PANCREAS HORMONES, INSULIN-LIKE FACTORS

- PO1AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- RO1AM-05475-13 Action of hormones and cyclic nucleotides (rats)
- RO1AM-13941-05 Proinsulin secretion and biological activity (human)
- RO1AM-15100-04 Importance of chromium in human nutrition (also mice)
- ** RO1AM-17645-01 Somatomedin-In vivo and in vitro actions (rats, chicks)
- PO1HD-04485-04 0002 Growth hormone structure-function relationships - Biological action derivatives (human, swine, rats)

- ** MO1RR-00211-10 0052 General clinical research center - Plasma insulin, proinsulin and nonsuppressible insulin like activity in man

PANCREAS NEOPLASMS

SEE ALSO PANCREATIC ISLETS NEOPLASMS

- RO1AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- RO1AM-16990-01 Secretion of proteins and ions by the pancreas
- RO1CA-02822-19 Eastern cooperative oncology group (human)
- RO1CA-03485-18 Western cooperative cancer chemotherapy group (human)
- ** PO1CA-04486-15 0001 Pathology of the digestive tract mucous membrane - Clinical and morphologic studies of CEA
- RO1CA-05186-14 Western cancer study group
- ** PO2CA-05834-13 0045 Cancer clinical research center - Gastrointestinal cancer (human)
- PO2CA-05838-13 0026 Clinical radiotherapy cancer research center - Negative Pi meson beam radiotherapy
- ** PO2CA-06519-12 0092 Radiation therapy and biology research program - Radio- and chemotherapy for carcinoma of pancreas
- RO1CA-06594-12 Eastern cooperative oncology group
- RO1CA-08349-09 Potential tumor or organ imaging agents
- PO2CA-08832-08 0136 An integrated study of advanced malignant diseases - Palliative radiotherapy for cancer of pancreas
- PO2CA-08832-08 0156 An integrated study of advanced malignant diseases - Combination chemotherapy for pancreatic carcinoma
- RO1CA-10948-06 Eastern cooperative oncology group
- RO1CA-11083-07 Eastern cooperative oncology group (human)
- ** PO2CA-11198-06 0008 Cancer research center - Detection of pancreas and other gastrointestinal neoplasms (rabbits, goats)
- ** PO2CA-11911-04 0011 Clinical cancer center - Five-fluorouracil, bis(chloroethyl)nitrosourea in gastric and pancreatic carcinoma
- ** PO2CA-11911-04 0012 Clinical cancer center - Effects of 5-fluorouracil, oxygen inhalation therapy on radiation-treated cancer
- ** PO2CA-11911-04 0016 Clinical cancer center - Scintiscans of the pancreas
- RO1CA-12271-04 Central oncology group
- RO1CA-12279-04 Central oncology group
- RO1CA-12295-04 Central oncology group
- PO1CA-12662-03 0011 Cancer research center - Radiation response and the intestinal bacterial flora
- RO1CA-13077-03 CEA characterization and radioimmunoassay assay (human, mammals nonhuman)
- PO1CA-13330-03 0002 Cancer research program - Cancer therapy evaluation programs (human)
- PO1CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
- RO1CA-13453-03 Antigens from human cancer tissue
- RO1CA-13650-02 Eastern Cooperative Oncology Group
- PO2CA-13696-02 0042 Clinical cancer research center - Radiodiagnostic technique-Angiotomography, arteriography, pancreatography (human)
- ** PO2CA-13696-02 0043 Clinical cancer research center - Radiodiagnostic techniques-Reflux pancreatography (cats)
- PO2CA-13696-02 0044 Clinical cancer research center - Evaluation of cancer diagnosis by an ultrasonic imaging system (human)
- PO1CA-14043-01 0004 Radiation therapy clinical and research center - Radio-pharmaceuticals for tumor and organ visualization
- RO1CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- ** RO1CA-14380-02 Pancreatic ductal versus duodenal secretions (human)
- PO1CA-14599-01 0031 University of Chicago Cancer Research Center - Distribution of CEA in diagnostic and immunologic studies (human, rodents)
- RO1CA-15118-02 Patterns in the care of the dying
- RO1CA-15241-02 Central oncology group
- RO1CA-15294-01 Western Cancer Study Group
- RO1CA-15488-01 Eastern Cooperative Oncology Group
- PO1CA-15655-01 0005 Cancer center support grant - Virus etiology in neoplasms in ethnic in Hawaii
- RO1CA-15882-01 Transverse section x-ray camera (human)
- PO1CA-16127-01 0016 Cancer Research and Treatment Center Program - Parathyroid hormone produced by nonparathyroid malignancies (human, mice)
- ** PO1CA-16127-01 0029 Cancer Research and Treatment Center Program - Pi meson radiotherapy of adenocarcinoma of the pancreas
- ** R26CA-16276-01 National program for pancreatic cancer
- NO1CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- ** NO1CB-43895-00 Early diagnosis of pancreatic cancer
- ** NO1CB-43975-00 Early diagnosis of pancreatic cancer, prior to the presence of metastases (human)
- ** NO1CB-43976-00 Early detection of pancreatic cancer (human)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** NO1CM-33725-02 Exocrine and endocrine function in carcinoma of the pancreas
- ** NO1CM-43794-00 Therapy of patients with pancreatic carcinoma
- ** NO1CM-43795-00 Therapy of patients with pancreatic carcinoma
- ** NO1CM-43796-00 Therapy of patients with pancreatic carcinoma
- ** NO1CM-43797-00 Therapy of patients with pancreatic carcinoma
- ** NO1CM-43798-00 Therapy of patients with pancreatic carcinoma (human)
- ** NO1CM-43799-00 Therapy of patients with pancreatic carcinoma
- ** NO1CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
- ** NO1CP-22063-03 Preparation and examination of experimental biological material (rats)
- ** NO1CP-43232-00 Site of origin of human pancreatic adenocarcinoma
- ** P01GM-14231-09 0027 Natural history of heart, cancer, stroke in a population - Pancreatic carcinoma
- P01GM-19100-03 0005 Genetics research center - Transplantable insulinoma as model of beta cells (hamsters)
- RO1OH-00525-01 Association of leukemia with agriculture occupation
- MO1RR-00036-14 0154 General clinical research center - Studies of glucagon secretion (human, rats)
- MO1RR-00107-11 0056 General clinical research center - Evaluation of in vivo hormone secretion by endocrine tumors (human)
- ** MO1RR-00262-09 0050 General clinical research center - Methyl CCNU streptozotocin, 5-FU, cyclophosphamide in pancreatic cancer (human)
- MO1RR-00750-02 0010 General clinical research center - Pathogenesis of hypoglycemia (human)
- ** MO1RR-00828-01 0035 General clinical research center - Combined radiation therapy and immunotherapy for pancreas CA (human)

PANCREAS SURGERY, PANCREATECTOMY
SEE ALSO PANCREAS TRANSPLANTATION

- RO1AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
- ** RO1AM-17789-01 Pancreatitis and its treatment (swine, dogs)
- PO1CA-08748-09 5936 Research program of Sloan-Kettering Institute - Techniques for separation and culture of islet cells in rats
- NO1CM-43800-00 Therapy of patients with pancreatic carcinoma (human)
- MO1RR-00086-12 0019 General clinical research center - Intractable hypoglycemia of infancy
- ** MO1RR-00095-14 0016 General clinical research center - Recovery of function after removal of islet cell tumor (human)
- MO1RR-00287-08 0004 General clinical research center - Adrenergic receptor sites in regulation of fat mobilization (human)

PANCREAS TRANSPLANTATION

- RO1AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- ** RO1AM-03361-15 Organ survival under experimental conditions (dogs)
- ** P02AM-13083-06 0059 Organ transplantation - Function after allotransplantation of pancreaticoduodenal graft (dogs)
- RO1AM-15398-04 Pancreatic islets and beta cell studies (human, mice, rats, rabbits)
- ** RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- ** RO1AM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- ** RO1AM-17581-01 Studies of pancreas transplantation (rats, hamsters)
- ** RO1AM-17697-01 Islets transplantation and diabetic vascular disease (rats)
- RO1AM-17766-01 Selective differentiation-Human islet organ culture (fetal)
- ** NO1CP-23297-03 Carcinogenesis of the pancreas (dogs, rabbits)
- RO1HD-00412-18 Fetal endocrinology and study of diabetes and pregnancy (rats)
- ** MO1RR-00036-14 0165 General clinical research center - Surgical transplantation of islets of langerhans (human)
- MO1RR-00051-13 0135 General clinical research center - Organ transplantation-Extrarenal organs (human)
- ** MO1RR-00400-06 0006 General clinical research center - adult - Effect of pancreas transplantation on diabetic retinopathy (human)

PANCREATECTOMY
SEE PANCREAS SURGERY, PANCREATECTOMY

PANCREATIC CYSTIC FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

PANCREATIC DUCTS
RO1AM-04675-14 Intestinal villi motility, regulation and role

- NO1CP-43232-00 Site of origin of human pancreatic adenocarcinoma
- MO1RR-00107-11 0053 General clinical research center - Retrograde caevanulation of ampulla of Vater (human)

PANCREATIC ENZYMES
SEE PANCREAS, PANCREATIC ENZYMES

- PANCREATIC ISLETS**
SEE ALSO PANCREAS HORMONES
- ** RO1AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- ** RO1AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
- ** RO1AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
- ** RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- ** RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- ** RO1AM-09059-11 Physiology of pancreatic islets and action of alloxan (toadfish)
- ** RO1AM-10151-09 Pathogenesis of diabetes mellitus (human, monkeys, rats)
- ** RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
- ** RO1AM-10591-09 Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs)
- RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
- ** RO1AM-11407-08 Histophysiology of secretion (birds, guinea pigs)
- RO1AM-14106-04 Growth hormone secretion rates (human, monkeys)
- ** RO1AM-14248-03 Pancreatic islet cells-Long term culture (rats)
- ** RO1AM-14837-04 Studies of a peptide from pancreas (human, chickens)
- RO1AM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
- ** RO1AM-15398-04 Pancreatic islets and beta cell studies (human, mice, rats, rabbits)
- ** RO1AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
- ** RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- RO1AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
- RO1AM-16865-02 Isolation of proinsulin mRNA (hamsters)
- P17AM-17026-01 0039 Vanderbilt University Diabetes-Endocrinology Center - Role of prostaglandins on insulin release and production (rats)
- P17AM-17042-01 0003 Diabetes endocrinology research center - Sulfonylurea hypoglycemic agents action and tolerance
- P17AM-17046-01 0001 Diabetes endocrinology center - Core facilities
- RO1AM-17082-01 Neural regulation of insulin secretion rate (dogs)
- ** RO1AM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- RO1AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
- RO1AM-17558-01 Glucagon biosynthesis in islets of langerhans
- RO1AM-17585-01 Biosynthesis and secretion of peptide hormones (rats, cattle, swine)
- ** RO1AM-17766-01 Selective differentiation-Human islet organ culture (fetal)
- RO1CA-06081-13 0004 Ultrastructural pathology - Localization of cations in the endocrine pancreas (mammals)
- ** PO1CA-08748-09 5936 Research program of Sloan-Kettering Institute - Techniques for separation and culture of islet cells in rats
- PO1CA-08748-09 6001 Research program of Sloan-Kettering Institute - Biochemical and morphological differentiation (rats, chick embryo)
- P01GM-19527-03 0006 Human genetics - Growth and differentiation of exocrine and endocrine pancreas
- RO1GM-20758-01 Prostaglandin dehydrogenase (cattle, rodents, human)
- PO1HD-04872-04 0009 Metabolism and aging - Insulin synthesis in isolated islets (rats)
- RO1HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
- ** RO1HD-08948-01 Functional maturation of the endocrine pancreas (rats)
- RO1HL-15696-02 Molecular basis of regulation of heart function (rats)
- ** MO1RR-00036-14 0038 General clinical research center - Growth hormone antagonism to insulin and beta cell stimulation (human)
- ** MO1RR-00036-14 0165 General clinical research center - Surgical transplantation of islets of langerhans (human)
- MO1RR-00070-12 0017 General clinical research center - Insulin and cellular causes of hyperglycemia (human, dogs)

PANCREATIC ISLETS DISORDERS
SEE ALSO METABOLIC DISORDERS (INBORN), DIABETES

- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)

- ** RO1AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)
- ** RO1AM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
- RO1AM-15511-03 Hypothalamic control of body weight and feeding (rats, squirrel)
- ** RO1AM-17202-01 Diabetes mellitus; role of coxsackievirus B infection (mice, human)
- ** RO1CA-13285-03 Pancreatic effects of cancer chemotherapeutic agents (mice)
- ** P11GM-12675-10 0008 Biochemical toxicology and pharmacology - Cyproheptadine induced beta cell lesions (rats, mice, rabbits)
- ** P11GM-12675-10 0055 Biochemical toxicology and pharmacology - Islet cell degeneration caused by cyproheptadine and other drugs (rats, mice)
- PANCREATIC ISLETS DISORDERS, HYPERINSULINISM**
- PO1AM-00002-28 0011 Metabolic and hereditary disorders - Lipoproteins and lipid transport (human, cattle)
- RO1AM-01921-17 Transport processes in mammalian cells (human, rodents)
- RO1AM-02911-15 Metabolic aspects of obesity (mice)
- RO1AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
- RO1AM-13518-12 Unexplained hypoglycemia in children
- RO1AM-14461-05 Hereditary diabetes in the mouse
- RO1AM-16529-01 New diabetogenic peptide from human pituitary glands (human, rabbits and rats)
- RO1AM-16860-01 Physical activity, carbohydrate metabolism and obesity (rats, mice)
- RO1AM-16896-01 Decreased insulin sensitivity in diabetes and other disorders (human)
- RO1AM-17347-02 Insulin sensitive glucocorticoid in the CNS (rats, dogs, mice)
- ** P17AM-17624-01 0003 Obesity center - Adipose insulin receptor and its role in obesity (human)
- ** PO1HD-05615-04 0007 Developmental biology in mental retardation - Neonatal pancreatic responses to insulin secretagogues (human)
- RO1HL-08506-11 Lipemia-carbohydrate and glyceride metabolism (human, rats)
- P17HL-14174-04 0004 Atherosclerosis behavioral and epidemiological studies - Hypertriglyceridemia (human)
- RO1MH-19438-04 0004 Neurochemistry of obesity and learned taste aversions - Brain mechanisms that control insulin in relation to obesity (rats, mice)
- MO1RR-00037-14 0071 General clinical research center - Islet cell hyperfunction (human)
- ** MO1RR-00070-12 0017 General clinical research center - Insulin and cellular causes of hyperglycemia (human, dogs)
- ** MO1RR-00086-12 0019 General clinical research center - Intractable hypoglycemia of infancy
- ** MO1RR-00240-10 0098 General clinical research center - Children - Streptozotocin for unremitting hypoglycemia secondary to hyperinsulinism

PANCREATIC ISLETS HYPERPLASIA

- ** RO1AM-17631-01 Genetic control of hyperplasia in the endocrine pancreas (mice)
- ** MO1RR-00081-12 0035 General clinical research center, premature infants - Insulin suppression test for islet hyperplasia or islet cell adenoma

PANCREATIC ISLETS NEOPLASMS

- ** RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- P02AM-06908-12 0011 Digestive and hepato-biliary function - Novel methods (diagnostic)
- RO1AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
- P17AM-17046-01 0001 Diabetes endocrinology center - Core facilities
- R10CA-06594-12 Eastern cooperative oncology group
- ** P02CA-08832-08 0146 An integrated study of advanced malignant diseases - Diagnostic and surgical aspects of insulinoma
- R10CA-11083-07 Eastern cooperative oncology group (human)
- RO1CA-11606-05 American Joint Committee
- PO1CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)
- PO1CA-13330-03 0032 Cancer research program - Cyclic AMP and protein kinase (hamsters, cattle, bacteria)
- ** PO1CA-13330-03 0051 Cancer research program - Adaptation of a hamster insulinoma to tissue culture
- MO1RR-00030-13 0031 General clinical research center - Genetic and metabolic nature of multiple endocrine adenomas (human)
- ** MO1RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- ** MO1RR-00034-14 0021 General clinical research center - Use of streptozotocin in pancreatic tumors (human)
- ** MO1RR-00034-14 0042 General clinical research center - Hormone producing tumors of pancreas (human)
- ** MO1RR-00036-14 0183 General clinical research center - Hyperadrenocorticism in oat-cell Ca of lung and islet cell Ca (human)
- ** MO1RR-00037-14 0071 General clinical research center - Islet cell hyperfunction (human)

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** M01RR-00042-14 0009 General clinical research center - Leucine and sulfonyleurea induced hypoglycemia (human)
 M01RR-00055-13 0106 General clinical research center - Measurement of insulin and proinsulin in obesity and insulinoma (human)
 ** M01RR-00056-13 0012 General Clinical Research Center - Pancreatic islet cell tumors (human)
 ** M01RR-00081-12 0035 General clinical research center, premature infants - Insulin suppression test for islet hyperplasia or islet cell adenoma
 ** M01RR-00095-14 0016 General clinical research center - Recovery of function after removal of islet cell tumor (human)
 ** M01RR-00211-10 0039 General clinical research center - Clinical and biochemical studies of patients with islet cell adenoma
 ** M01RR-00262-09 0051 General clinical research center - Streptozotocin in treatment of islet cell carcinoma (human)
 ** M01RR-00626-02 0074 General clinical research center - Medical treatment of malignant insulinoma (human)

PANCREATIC ISLETS NEOPLASMS, ZOLLINGER-ELLISON SYNDROME

- SEE ALSO NERVOUS NEOPLASMS, CARCINOID
 P02AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
 R01AM-13205-07 Cellular localization of gastrin (human, swine, rats, dogs)
 R01AM-13711-05 Immunology and diseases of the gastrointestinal tract (human, dog, rat, rabbits)
 R01AM-14781-04 Gastrin action, synthesis and secretion (human, dogs, rats, frogs, swine)
 R01AM-15241-04 Surgical studies in gastrin metabolism (human, dogs, rabbits, rats)
 ** R01AM-15986-03 0003 Cirrhosis, ascites and the hepatic circulation - Zollinger-Ellison syndrome (sheep, swine)
 R01AM-15986-03 0007 Cirrhosis, ascites and the hepatic circulation - Humoral similarities of endocrine tumor elaborations (human)
 R01AM-17294-01 Hormonal etiology of gastric hypersecretion (dogs, human)
 ** P17AM-17328-01 0012 Peptic ulcer center - Zollinger-Ellison syndrome (human)
 R10CA-13643-02 Southwest cancer chemotherapy study group
 ** R01CA-15332-01 Cancer of the endocrine pancreas (human)
 P11GM-15431-08 0008 Research center for clinical pharmacology and drug toxicology - Ethyl arachidonate in man
 P01GM-19443-03 0038 Problems in clinical genetics - Radioimmunoassay
 ** M01RR-00240-10 0086 General clinical research center - Children - Zollinger-Ellison syndrome

PANCREATIC JUICE

SEE PANCREAS, PANCREATIC JUICE

PANCREATIC LIPASE

SEE LIPASES, TRIACYLGLYCEROL LIPASE

PANCREATIN

SEE PANCREAS, PANCREATIC ENZYMES

PANCREATITIS

SEE PANCREAS DISORDERS, PANCREATITIS

PANCREATOPEPTIDASE E

SEE PROTEASES AND PEPTIDASES, ELASTASE

PANCREOZYMIN

SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PANCREOZYMIN-CHOLECYSTOKININ

SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PANCURONIUM

SEE ANDROSTANE SERIES, PANCURONIUM

PANENCEPHALITIS SUBACUTE SCLEROSING VIRAL

SEE NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS

PANTETHEINE

SEE AMINOTHOLS, PANTETHEINE

PANTOTHENIC ACID

SEE VITAMIN B, PANTOTHENIC ACID

PAPAIN

SEE PROTEASES AND PEPTIDASES, PAPAIN

PAPAVERINE

SEE QUINOLINES, ISOQUINOLINES, PAPAVERINE

PAPAYA ENZYME

SEE PROTEASES AND PEPTIDASES, PAPAIN

PAPER CHROMATOGRAPHY

SEE PHYSICAL SEPARATION, CHROMATOGRAPHY, PAPER*

PAPILLARY MUSCLES

SEE HEART, PAPILLARY MUSCLES

PAPILLEDEMA

SEE EYE DISORDERS, PAPILLEDEMA

PAPILLOMA CUTANEOUS

SEE SKIN NEOPLASMS, PAPILLOMA CUTANEOUS

PAPILLOMA SHOPE

SEE SKIN NEOPLASMS, PAPILLOMA SHOPE

PAPILLOMA VIRUS HUMAN

SEE VIRUSES, PPOVAVIRUSES, WARTS VIRUSES

PAPILLOMA VIRUS RABBIT

SEE VIRUSES, PPOVAVIRUSES, PAPILLOMA VIRUS RABBIT

PAPILLOMA VIRUS SHOPE

SEE VIRUSES, PPOVAVIRUSES, PAPILLOMA VIRUS RABBIT

PAPILLOMA VIRUSES (GENERAL)

SEE VIRUSES, PPOVAVIRUSES, PAPILLOMA VIRUSES (GENERAL)

PPOVAVIRUSES

SEE VIRUSES, PPOVAVIRUSES

PAPULAR MUCINOSIS

SEE BLOOD PROTEINS DISORDERS, GAMMOPATHIES, LICHEN MYXEDEMATOSUS

PARABIOSIS (GENERAL)

SEE TISSUE CONNECTIONS, PARABIOTIC

PARABIOSIS, VASCULAR

SEE CARDIOVASCULAR SURGERY, EXTRACORPOREAL CIRCULATION, CROSS CIRCULATION

PARACENTESIS

SEE BODY FLUID BALANCE THERAPY, PARACENTESIS

PARACOCIDIDOMYCOSIS

SEE MYCOSES, BLASTOMYCOSIS

PARACOLOBACTRUM

SEE BACTERIA, ENTEROBACTERIACEAE, PARACOLOBACTRUM*

PARAFOLLICULAR CELLS OF NONIDEZ

SEE THYROID GLAND, ULTIMOBRANCHIAL BODY

PARAGANGLIA

SEE NERVOUS SYSTEM, PARAGANGLIA

PARAGANGLIA NEOPLASMS

SEE NERVOUS NEOPLASMS, PARAGANGLIA NEOPLASMS

PARAGANGLION AORTICUM

SEE NERVOUS SYSTEM, PARAGANGLIA, AORTIC BODY

PARAGANGLION CAROTICUM

SEE NERVOUS SYSTEM, PARAGANGLIA, CAROTID BODY

PARAGONIMIASIS

SEE PARASITIC DISEASES, HELMINTH INFECTIONS, PARAGONIMIASIS

PARAINFLUENZA 1 VIRUS

SEE VIRUSES, MYXOVIRUSES, PARAINFLUENZA 1 VIRUSES

PARAINFLUENZA 2 VIRUS

SEE VIRUSES, MYXOVIRUSES, PARAINFLUENZA 2 VIRUSES

PARAINFLUENZA VIRUS VACCINE

SEE VACCINES, VIRAL, PARAINFLUENZA VIRUS VACCINE

PARAINFLUENZA VIRUSES

SEE VIRUSES, MYXOVIRUSES, PARAINFLUENZA VIRUSES

PARALDEHYDE

SEE OXINS, TRIOXANES, PARALDEHYDE

PARALINGUISTIC BEHAVIOR

SEE INFORMATION-COMMUNICATION BEHAVIOR, PARALINGUISTIC BEHAVIOR

PARALYSIS

SEE NEUROMOTOR DISORDERS, PARALYSIS

PARALYSIS AGITANS

SEE NEUROMOTOR DISORDERS, PARKINSON'S DISEASE

PARALYSIS FACIAL

SEE NERVOUS DISORDERS PERIPHERAL, FACIAL PARALYSIS

PARALYSIS FAMILIAL PERIODIC

SEE METABOLIC DISORDERS INBORN, FAMILIAL PERIODIC PARALYSIS

PARALYSIS (KURU)

SEE NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, KURU

PARALYSIS OF FOWL (MAREK'S)

SEE NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE

PARALYSIS SPASTIC

SEE NEUROMOTOR DISORDERS, PARALYSIS, SPASTIC

PARALYSIS SPASTIC CEREBRAL INFANTILE

SEE CONGENITAL ABNORMALITIES, BRAIN, CEREBRAL PALSY

PARAMECIUM

SEE PROTOZOA, CILIATA, PARAMECIUM

PARAMEDICAL EDUCATION

SEE EDUCATION, HEALTH OCCUPATIONS, ALLIED

PARAMEDICAL PERSONNEL

SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

PARAMYOSIN

SEE MUSCLE PROTEINS, PARAMYOSIN

PARAMASAL SINUSES

SEE NASAL, PARAMASAL SINUSES

PARANOIA

SEE PSYCHOSIS, PARANOIA

PARANOID SCHIZOPHRENIA

SEE PSYCHOSIS, SCHIZOPHRENIA, PARANOID

PARAPHRENIA

SEE PSYCHOSIS, INVOLUTIONAL

PARAPLEGIA

SEE NEUROMOTOR DISORDERS, PARALYSIS, PARAPLEGIA

PARAPROTEINEMIAS ACQUIRED

SEE BLOOD PROTEINS DISORDERS

PARAPROTEINEMIAS CONGENITAL

SEE BLOOD PROTEINS DISORDERS CONGENITAL

PARAPSYCHOLOGY

SEE PSYCHOLOGY, PARAPSYCHOLOGY

PARAQUAT

SEE PESTICIDES, HERBICIDES, PARAQUAT

PARASEXUALITY, CELLULAR

SEE CELL PARASEXUALITY

PARASITES

SEE ALSO ARTHROPODS, ARACHNIDS, MITES*
 SEE ALSO ARTHROPODS, ARACHNIDS, TICKS*
 SEE ALSO ARTHROPODS, INSECTS, SIPHONAPTERA*
 SEE ALSO HELMINTHS, NEMATODES
 SEE ALSO HELMINTHS, TREMATODES
 SEE ALSO PROTOZOA GENERAL
 SEE ALSO TROPICAL MEDICINE AND PARASITOLGY STUDY SECTION

P15AI-11010-02 Allergic diseases center (human, mammals)

N01AI-42521-00 Certification of antisera for arthropod blood meals

N01CM-22004-06 Maintenance of a genetic center

P06RR-00169-13 Operation of the National Center for Primate Biology

PARASITIC DISEASES (GENERAL)

SEE ALSO GASTROINTESTINAL DISORDERS PARASITIC
 SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGOENCEPHALITIS EOSINOPHILIC

** N01AI-02228-05 Parasitic, viral and other infectious diseases of Pacific Islands

R07AI-10051-14 International center for medical research and training (human, animals)

P15AI-11403-02 0002 Allergic diseases center grant - Application of radioimmunoassay to immediate-type hypersensitivity (human)

R01AM-06850-12 Nutritional needs as influenced by genetic variation (chickens)

R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)

R22AM-12105-05 Gastrointestinal functions of PCM children (and hamsters)

P01AM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)

R01CA-16048-01 Cancer chemotherapy-Gammaglutamates of methotrexate (mice)

P06RR-00168-13 New England regional primate research center

PARASITIC DISEASES, ECTOPARASITE (INFESTATIONS)

R01AI-02487-16 Host selection behavior and ecology of parasitic acari (rabbits)

** R01AI-11482-01 Ectoparasites of the Papuan subregion

** R01AM-15664-03 Ectoparasitism-Immunological phenomena (dogs)

PARASITIC DISEASES, HELMINTH INFECTIONS (GENERAL)

SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTHELMINTICS

** R01AI-00884-20 Antigen-antibody reactions in parasite infections (rodents, dogs, human)

** R01AI-11779-01 Mast cells and IgE in allergy and helminthiasis (human)

R01AI-11871-01 Interactions of *Brugia malayi* and microorganisms (cats)

M01RR-00425-06 0072 General clinical research center - Evaluation of patients with eosinophilia and pulmonary disease

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MO1RR-00827-01 0017 General clinical research center - Serum IgE in atopy and other diseases (human)
- PARASITIC DISEASES, HELMINTH INFECTIONS, ANCYLOSTOMIDIASIS**
SEE ALSO HELMINTHS, NEMATODES, ANCYLOSTOMIDAE
SEE ALSO PARASITIC DISEASES, HELMINTH INFECTIONS, LARVA MIGRANS
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- RO1HL-16675-01 Human urinary erythropoietin collection
- PARASITIC DISEASES, HELMINTH INFECTIONS, ASCARIASIS**
SEE ALSO HELMINTHS, NEMATODES, ASCARIS
- RO1AI-03212-14 Immune responsiveness in mice infected with nematodes
- RO1AI-06262-10 Helminth immunity-in vitro and in vivo correlates (guinea pigs, ascaris suum)
- PARASITIC DISEASES, HELMINTH INFECTIONS, CYSTICERCOSIS**
SEE ALSO HELMINTHS, CESTODES, TAENIA
- MO1RR-00069-12 0092 General clinical research center, children - Cysticercosis in a 12 year old girl
- PARASITIC DISEASES, HELMINTH INFECTIONS, ECHINOCOCCOSIS**
SEE ALSO HELMINTHS, CESTODES, ECHINOCOCCUS
- RO1AI-06633-09 Epidemiology of Echinococcus multilocularis (carnivores, rodents, human)
- RO1AI-07857-08 Host-parasite relationships in parasitic zoonoses (rodents, dogs)
- RO1AI-10588-03 Epidemiology of echinococcosis (carnivores, ungulates)
- PARASITIC DISEASES, HELMINTH INFECTIONS, FILARIASIS**
SEE ALSO HELMINTHS, NEMATODES, FILARIA
SEE ALSO PARASITIC DISEASES, HELMINTH INFECTIONS, ONCHOCERCIASIS
- RO1AI-02753-15 Genetics and reproductive biology of Aedes mosquitoes
- RO1AI-04919-12 Occult helminthic infections (human, carnivores)
- R22AI-07770-07 Basic studies in lymphatic filariasis (carnivores, rodents, miniature swine)
- R22AI-09280-06 Immune mechanisms and immunizing agents in filariasis (jirds, dogs)
- RO1AI-09741-05 Occult filariasis and immunologic responses (dogs, monkeys)
- RO7AI-10048-14 0006 International center for medical research - Dynamics of filariasis transmission
- RO7AI-10049-15 0005 International center for medical research - Epidemiology and vector patterns in East Pakistan (human, mosquitoes, helminths)
- R22AI-10250-04 Laboratory models in filariasis (jirds, monkeys)
- R22AI-10512-03 Chemotherapy and metabolism of filarids (dogs, rodents)
- R22AI-10803-03 Immunity and antigen characterization of filariasis (hamsters)
- R22AI-10849-03 Patients with chyluria due to filariasis
- MO1AI-90092-09 Filariasis chemotherapy and repository-research services
- RO1LM-01786-02 Synthesis of literature on mosquitoes
- PARASITIC DISEASES, HELMINTH INFECTIONS, LARVA MIGRANS**
- MO1RR-00063-12 0010 General clinical research center - Immunology of helminths
- PARASITIC DISEASES, HELMINTH INFECTIONS, ONCHOCERCIASIS**
RO1EY-00330-08 Ocular pharmacology (human, animals)
- PARASITIC DISEASES, HELMINTH INFECTIONS, PARAGONIMIASIS**
- RO1AI-08673-06 Cytology of helminth parasite-host relationships (mice)
- PARASITIC DISEASES, HELMINTH INFECTIONS, SCHISTOSOMIASIS**
SEE ALSO HELMINTHS, TREMATODES, SCHISTOSOMA
- RO1AI-00513-21 Biology and biological control of schistosomiasis (snails)
- R22AI-02631-16 Schistosomiasis and granuloma formation (mice, rabbits, chimpanzee)
- R22AI-07724-08 Hypersensitivity and resistance in schistosomiasis (human, animals)
- R22AI-08022-07 Schistosomiasis research center (mice)
- R22AI-08163-07 Immunopathogenesis of schistosomiasis (rodents)
- RO1AI-08673-06 Cytology of helminth parasite-host relationships (mice)
- R22AI-10271-04 Vector-parasite interactions-Analysis in vitro (snails)
- R22AI-10683-03 Antimonial antihelminthic agents (rets, mice)
- R22AI-11373-02 Analysis of molluscan and SE Asian schistosomiasis
- R22AI-12204-01 In vivo microscopy of schistosomiasis of organs (mice, rats, rabbits)
- R22AI-12409-01 Biocontrol of schistosomes by use of microsporidians
- NO1AI-42504-00 Provide infectious schistosome material (mollusks, mice, hamsters, ducks)
- RO1AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
- P17AM-17702-01 0004 Hepatitis cirrhosis center - Collagen in hepatic fibrosis (mice, rats)
- PO1CA-16359-01 0052 Cancer center support grant - Immune mechanisms in trypanosomiasis and schistosomiasis
- R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)
- R26CA-16768-01 International bladder cancer study-Planning phase (human)
- PO1GM-16492-06 0001 Design of chemotherapeutic agents - Design of anti-schistosomal compounds (mice)
- PO1GM-16492-06 0002 Design of chemotherapeutic agents - Antischistosomal effectiveness, toxicity of nitrovinylfuran, SQ 18,506 (mice)
- PO1GM-16492-06 0003 Design of chemotherapeutic agents - Development of hycanthone resistance in Schistosoma mansoni (mice)
- PO1GM-16492-06 0019 Design of chemotherapeutic agents - Mode of antischistosomal action of nitroretrocyclic compounds
- PO1GM-16492-06 0020 Design of chemotherapeutic agents - Neurotransmitters in Schistosoma and intermediate host, Biomphalaria glabrata
- PO1GM-16492-06 0021 Design of chemotherapeutic agents - Possible hormonal control of sexual maturation of female schistosomes (mice)
- MO1RR-00049-13 0044 General clinical research center - Treatment for schistosomiasis (human)
- PARASITIC DISEASES, HELMINTH INFECTIONS, SPARGANOSIS**
- RO1AI-01876-17 Sparganosis and cestode biology (rodents)
- PARASITIC DISEASES, HELMINTH INFECTIONS, STRONGYLOIDIASIS**
SEE ALSO HELMINTHS, NEMATODES, STRONGYLOIDES
- PO1CA-16247-01 0002 Immunologic aspects of cancer - Effect of parasitic infection on tumor growth and antibody production
- PARASITIC DISEASES, HELMINTH INFECTIONS, TRICHINOSIS**
SEE ALSO HELMINTHS, NEMATODES, TRICHINELLA
- RO1AI-01042-18 Host-parasite relationships in trichinosis (hamsters)
- RO1AI-03212-14 Immune responsiveness in mice infected with nematodes
- RO1AI-10627-04 Functional antigens of Trichinella spiralis (rats)
- RO1AI-10671-03 Immunological studies in experimental trichinosis (mice)
- RO1AI-11361-02 Physiologic basis of immunity in trichinosis (rats, guinea pigs)
- RO1AI-11606-02 Immunodiagnosis of trichinosis (swine)
- RO1AI-11963-01 Phospholipase levels in experimental trichinellosis (mice)
- PARASITIC DISEASES, INTRACELLULAR PARASITISM**
SEE ALSO VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS
- RO1AI-12146-01 Effects of immunity on intracellular parasitism (mice)
- RO1LM-01786-02 Synthesis of literature on mosquitoes
- PARASITIC DISEASES, PROTOZOAL INFECTIONS (GENERAL)**
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIMALARIALS
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIPROTOZOAL
SEE ALSO RESPIRATORY DISORDERS, PNEUMONIA, PNEUMOCYSTIS
- RO1AI-00742-20 Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tse tse fly)
- PO1AM-16716-01 0028 Pathophysiological bases of muscle diseases - Sarcocystis infection and gel diffusion antibody test (human)
- PO2CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
- RO1CA-13822-02 Effects of cancer and therapy on infection and immunity (hamsters, mice, rabbits)
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, AMEBIASIS**
SEE ALSO PROTOZOA, SARCODINA, ENTAMEBA HISTOLYTICA
- RO1AI-04919-12 Occult helminthic infections (human, carnivores)
- RO1AI-11536-02 Influence of antibodies of amebic disease (guinea pigs)
- MO1RR-00833-01 0021 General clinical research center - Hypoalbuminemia in amebic liver abscess (human)
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, BABESIOSIS**
- RO7AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
- RO1AI-10155-03 Immunopathologic complications of protozoan infections (rats)
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, GIARDIASIS**
- RO7AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
- MO1RR-00037-14 0003 General clinical research center - Naturally occurring defects in resistance to infection (human)
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, LEISHMANIASIS**
SEE ALSO PROTOZOA, MASTIGOPHORA, LEISHMANIA
- RO1AI-00092-24 Visceral leishmaniasis in experimental animals (rodents)
- RO1AI-01251-18 The transmission of leishmaniasis in Panama (rats)
- RO1AI-10882-03 Leptomonas and Blastocystidia-Models for chemotherapy
- RO1AI-04932-02 Studies on leishmaniasis in Ethiopia
- MO1RR-00229-09 0063 General clinical research center - Effect of pentostam in cutaneous leishmaniasis (human)
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, MALARIA**
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIMALARIALS
SEE ALSO PROTOZOA, SPOOROZOA, PLASMODIUM
- RO1AI-08970-06 Chemotherapy of malaria
- RO1AI-09558-05 In vitro cultivation of human and simian malarial parasite
- RO7AI-10048-14 0006 International center for medical research - Dynamics of filariasis transmission
- RO7AI-10049-15 0009 International center for medical research - Malaria in West Pakistan-Biological control of vectors in urban areas
- RO7AI-10049-15 0010 International center for medical research - Genetics and vectors of malaria in Brazil (mosquitoes)
- RO7AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
- RO1AI-10520-03 Deep vascular schizogony in malaria (monkeys)
- RO1AI-10645-03 High voltage electron microscopy of malaria
- RO1AI-11142-01 Macrophage mediated malarial immunosuppression (mice)
- RO1AI-11386-01 Immunological aspects of rodent malaria (mice, rats)
- NO1AI-42502-00 Role of cell-mediated immunity in resistance to parasitic diseases
- RO1AM-17415-01 Regulation of supply of utilizable perines by liver (rabbits, rats E coli K12)
- PO1GM-19428-03 0009 Computer aided biomedical pattern recognition - Screening for malarial parasites in rod cells (human)
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, MALARIA AVIAN**
- RO1AI-00924-19 Biology of Haemosporididae and Trypanosomidae (birds, insects, plants)
- RO1AI-02753-15 Genetics and reproductive biology of Aedes mosquitoes
- RO1AI-05182-12 Avian malaria transmission-Lethality of Plasmodium octemerium
- RO1AI-08988-06 Immunological studies of exoerythrocytic malaria (turkeys)
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, TOXOPLASMOSIS**
SEE ALSO PROTOZOA, SPOOROZOA, TOXOPLASMA
- RO1AI-04717-13 Toxoplasmosis-Nature of infection and immune response (human, monkeys)
- RO1AI-07489-08 The transmission of toxoplasmosis (cats)
- RO1AI-10009-03 Epidemiology of parasite infection (ungulates, dogs, chickens)
- RO1EY-01204-01 Ocular toxoplasmosis (human, rabbit)
- NO1NS-32315-01 Infections in pregnancy (human)
- NO1NS-42300-02 Delivery of antigens and viral diagnostic reagents
- PO6RR-00130-11 Animal resource support for bio-medical research
- PARASITIC DISEASES, PROTOZOAL INFECTIONS, TRYPANOSOMIASIS**
SEE ALSO IMMUNOLOGY, ANTIBODIES, ABLASTIN

(contd)

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- SEE ALSO PROTOZOA, MASTIGOPHORA, TRYPANOSOMA
- ** RO1AI-09888-04 The primitive trypanosomiasis of Asia (monkeys, humans)
 - ** RO7AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
 - RO1AI-10882-03 Leptomonas and Blastocystidia-Models for chemotherapy
 - NO1AI-42502-00 Role of cell-mediated immunity in resistance to parasitic diseases
 - ** PO1CA-16359-01 0052 Cancer center support grant - Immune mechanisms in trypanosomiasis and schistosomiasis
 - ** PO1HL-10539-09 0026 Pathophysiology of circulation - Salicylates in experimental chagasic myocarditis (mice)
 - ** PO1HL-10539-09 0027 Pathophysiology of circulation - Ventricular compliance in cardiomyopathies (hamster)
 - ** RO1NS-11393-01 Neurological lesions during African trypanosomiasis (voles)

PARASITIC DISEASES CHEMOTHERAPY

SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTHELMINTICS
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIPROTOZOAL

- RO1AI-11254-01 Folate metabolism in malarial parasites (rats, ducks)
- RO1AI-11622-01 The function of mitochondria in trypanosomes
- NO1AI-90092-09 Filariasis chemotherapy and repository-research services
- ** PO1GM-16492-06 0001 Design of chemotherapeutic agents - Design of anti-schistosomal compounds (mice)
- ** PO1GM-16492-06 0002 Design of chemotherapeutic agents - Antischistosomal effectiveness, toxicity of nitrovinylfuran, SQ 18,506 (mice)

PARASITIC DISEASES DIAGNOSIS*

- ** PO1AM-16716-01 0028 Pathophysiological bases of muscle diseases - Sarcocystis infection and gel diffusion antibody test (human)

PARASITIC GASTROINTESTINAL DISORDERS

SEE GASTROINTESTINAL DISORDERS PARASITIC

PARASITISM, INTRACELLULAR

SEE PARASITIC DISEASES, INTRACELLULAR PARASITISM

PARASYMPATHETIC NERVOUS SYSTEM

SEE NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM

PARASYMPATHOLYTIC AGENTS

SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOLYTIC

PARASYMPATHOMIMETIC AGENTS

SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

PARATERMINAL BODY (SEPTAL AREA)

SEE BRAIN, LIMBIC SYSTEM, SEPTAL AREA

PARATHION

SEE PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, PARATHION

PARATHYROID AND THYMUS APLASIA

(DIGEORGE SYNDROME)

SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE, DIGEORGE SYNDROME

PARATHYROID GLANDS

- ** RO1AM-06205-13 Parathyroid and bone metabolism (rats)
- ** PO2AM-08657-10 0010 Clinical metabolic research unit - Role of parathyroid in osteoporosis and idiopathic hypercalcaemia
- RO1AM-10558-09 0008 Peptide hormones affecting calcium metabolism - Parathyroid gland in hypocalcaemia prevention
- RO1AM-12957-06 Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens)
- RO1AM-14644-03 Endocrine mechanisms of the ultimobranchial body (frogs)
- RO1AM-14717-04 Relationship of thyrocalcitonin to bone phosphate (rats, mice)
- RO1AM-16081-01 Parathyroid regulation and vitamin D activation
- RO1AM-16550-01 Secretion of calcitonin (organ culture)
- RO1AM-16858-02 Thiazide effects on calcium metabolism (rats)
- RO1AM-18063-01 Parathyroid and bone metabolism (rats)
- ** PO2CA-08832-08 0095 An integrated study of advanced malignant diseases - Evaluation of reserve function of parathyroid glands
- PO1DE-02849-06 0029 Mechanism and treatment of periodontal disease - Production of bone-resorbing substances by cultured gingival fragments and cells
- RO1HD-06458-02 Neonatal mineral metabolism
- RO1HD-08953-01 Renal function in the maturing fetus (sheep)
- ** MO1RR-00063-12 0027 General clinical research center - Parathyroid function in hyperparathyroidism and other endocrine diseases (human)
- ** MO1RR-00400-06 0054 General clinical research center - adult - Control of parathyroid hormone in man
- PARATHYROID GLANDS DISORDERS
SEE ALSO KIDNEY DISORDERS, NEPHROCALCIEMOSIS
SEE ALSO PARATHYROID NEOPLASMS
- ** PO2AM-04501-13 0003 Metabolic disease research center - Radioimmunoassay for parathyroid hormone (human, cattle)
- PO2AM-04501-13 0022 Metabolic disease research center - Parathyroid hormones, calcium and phosphorus in renal diseases (human, rats)
- PO1AM-08458-10 0002 Uremia and exchange of ions and water - Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs)
- RO1AM-15951-03 Calcium control of PTH and calcemic peptide biosynthesis (human, animals)
- PO2CA-12924-03 0031 Tufts cancer research center - Medullary carcinoma of the thyroid
- ** PO1HD-05894-04 0006 Genetic childhood diseases and aging - Parathyroid assays in relation to cellular immunity and aging (human)
- ** MO1RR-00031-14 0015 General clinical research center - Cellular basis of bone disorders (human)
- ** MO1RR-00031-14 0060 General clinical research center - Parathyroid hormone and calcium on carbohydrate metabolism in uremic patients
- ** MO1RR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
- ** MO1RR-00065-12 0005 General clinical research center - Alteration in parathyroid function (human)
- MO1RR-00287-08 0031 General clinical research center - Magnesium-parathyroid relationships (human)
- MO1RR-00318-08 0020 General clinical research center - Calcium and magnesium metabolism in endocrine and metabolic diseases (human)
- MO1RR-000847-01 0019 Clinical research centers - Regulation of cyclic nucleotide metabolism (human)
- MO1RR-000847-01 0020 Clinical research centers - Metabolism of cyclic 3',5'-AMP and cyclic 3',5'-GMP (human)
- PARATHYROID GLANDS DISORDERS, HYPERPARATHYROIDISM
SEE ALSO SKELETAL DISORDERS, OSTEITIS FIBROSA CYSTICA
- RO1AM-00668-20 Calcium and phosphate transport (rats)
- RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
- RO1AM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)
- ** PO1AM-09976-09 0002 Renal disease - Phosphate control in uremia and secondary hyperparathyroidism (dogs)
- RO1AM-11528-07 Control mechanisms of biological calcification (rats, human)
- PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- ** RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- RO1AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
- ** RO1AM-15986-03 0003 Cirrhosis, ascites and the hepatic circulation - Zollinger-Ellison syndrome (sheep, swine)
- ** PO1AM-16281-02 0009 Uremia-pathogenesis, effects, and possible prevention - Prevention of secondary hyperparathyroidism (human)
- ** PO1AM-16281-02 0010 Uremia-pathogenesis, effects, and possible prevention - Sensitivity of phosphorus control in advancing renal disease (rats, dogs)
- PO1AM-16764-02 0006 Disorders of renal acidification - Role of parathyroid in renal tubular disfunctions (humans, rats, dogs)
- ** RO1AM-16768-03 Radioimmunoassay of parathyroid hormone in man
- RO1AM-16943-01 Regulation of hydrogen secretion by Ca and parathyroid (dogs, rats)
- P17AM-17328-01 0012 Peptic ulcer center - Zollinger-Ellison syndrome (human)
- PO2CA-05826-13 0093 Clinical cancer research center - Parathyroid localization of selenomethionine in man
- ** RO1CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
- ** PO2CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
- RO1CA-15332-01 Cancer of the endocrine pancreas (human)
- RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
- RO1HD-06410-03 Placental transport and perinatal disorders (sheep, cows, guinea pigs)
- RO1HD-06458-02 Neonatal mineral metabolism
- RO1HD-07419-02 Bone development and calcium metabolism in fetal rats
- RO1HD-08313-02 Regulation of anterior pituitary function in rat and man
- PO1HL-08682-11 0001 Regulation of the cardiovascular system - Regulation of the cardiodynamic mechanisms (human, animals)
- ** MO1RR-00030-13 0090 General clinical research center - Cyclic AMP levels in endocrine disorders (human)
- MO1RR-00031-14 0062 General clinical research center - Therapy evaluation in chronic skeletal disease (human)

- ** MO1RR-00036-14 0147 General clinical research center - Prevention of secondary hyperparathyroidism in renal disease (human)
- ** MO1RR-00036-14 0164 General clinical research center - Review of surgically treated hyperparathyroidism (human)
- ** MO1RR-00039-14 0092 General clinical research center - Ammonium chloride load on hydrogen ion excretion and acid-base balance (human)
- ** MO1RR-00040-14 0028 General clinical research center - Parathyroid hormone secretion in health and disease (human)
- ** MO1RR-00042-14 0068 General clinical research center - Renal osteodystrophy and other forms of hyperparathyroidism (human)
- ** MO1RR-00043-14 0077 General clinical research center - Phosphate metabolism in hyperparathyroidism (human)
- ** MO1RR-00044-14 0003 General clinical research center - Diagnostic studies of hyperparathyroidism (human)
- ** MO1RR-00050-13 0064 Wilson's disease - cAMP and parathyroid hormone levels in diagnosis of hyperparathyroidism (human)
- ** MO1RR-00051-13 0052 General clinical research center - Hyperparathyroidism after renal transplant (human)
- MO1RR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
- MO1RR-00051-13 0134 General clinical research center - Renal tubular acidosis after renal transplantation (human)
- ** MO1RR-00058-13 0036 General clinical research center - Relationship insulin antagonism to plasma glucagon disturbances (human)
- ** MO1RR-00058-13 0038 General clinical research center - Effect low calcium diet in hyperparathyroidism and urinary tract stones (human)
- ** MO1RR-00058-13 0056 General clinical research center - Metabolic disturbances in hyperparathyroidism (human)
- MO1RR-00063-12 0027 General clinical research center - Parathyroid function in hyperparathyroidism and other endocrine diseases (human)
- ** MO1RR-00064-10 0012 General clinical research center - Hypertension in primary hyperparathyroidism (human)
- ** MO1RR-00065-12 0043 General clinical research center - Treatment of tertiary hyperparathyroidism with calcium infusion (human)
- ** MO1RR-00069-12 0084 General clinical research center, children - The parathyroid gland transplantation
- ** MO1RR-00076-12 0092 General clinical research center - Regression of hyperparathyroidism following renal transplant (human)
- ** MO1RR-00079-12 0120 General clinical research center - Vitamin D deficiency and hyperparathyroidism in type II RTA (human)
- MO1RR-00084-12 0008 General clinical research center - children - Hormonal control of Ca and P in various disease states
- MO1RR-00107-11 0022 General clinical research center - Phosphorus feeding in hypercalcaemia (human)
- MO1RR-00199-10 0059 General clinical research center for children - Renal physiology in Lowe's syndrome
- ** MO1RR-00287-08 0052 General clinical research center - Localization of abnormal parathyroid tissue (human)
- MO1RR-00305-08 0070 Clinical research center for children - Azotemic osteodystrophy
- ** MO1RR-00318-08 0067 General clinical research center - Estrogen replacement in postmenopause with hyperparathyroidism (human)
- ** MO1RR-00400-06 0049 General clinical research center - adult - Familial hyperparathyroidism (human)
- ** MO1RR-00400-06 0054 General clinical research center - adult - Control of parathyroid hormone in man
- MO1RR-00633-02 0063 General clinical research center - Mechanism of hypercalcaemia (human)
- ** MO1RR-00714-02 0010 General clinical research center - Urology-Homeostasis of serum, calcium and phosphorus
- ** MO1RR-00749-02 0003 General clinical research center - Kindred with pheochromocytoma, thyroid CA, hyperparathyroidism, Cushing's disease
- MO1RR-00750-02 0007 General clinical research center - Disodium etidronate in treatment of Paget's disease (human)
- MO1RR-00828-01 0007 General clinical research center - Renal osteodystrophy in children and young adults
- ** MO1RR-00865-01 0031 General clinical research center - Idiopathic hypercalcaemia (human)
- PARATHYROID GLANDS DISORDERS, HYPOPARATHYROIDISM
SEE ALSO BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE, DIGEORGE SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, PSEUDOHYPOPARATHYROIDISM
- ** PO1AM-09650-10 0013 Hormonal and ionic control of metabolism - Vitamin D metabolism in man
- RO1AM-14750-03 Vitamin D metabolism in humans (also chickens, rats, dogs)
- ** PO1AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings
- RO1AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1AM-16764-02 0001 Disorders of renal acidification - Hereditary fructose intolerance (human, dogs, rats)
- ** RO1AM-16768-03 Radioimmunoassay of parathyroid hormone in man
- RO1AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
- RO1AM-16926-02 Parathyroid hormone and 3',5'-AMP in calcium metabolism
- ** PO2CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
- RO1HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
- RO1HD-07419-02 Bone development and calcium metabolism in fetal rats
- RO1HL-13609-04 Aortic connective tissue in induced atherosclerosis (rabbits, rats)
- ** MO1RR-00030-13 0090 General clinical research center - Cyclic AMP levels in endocrine disorders (human)
- MO1RR-00036-14 0161 General clinical research center - Effect of glucocorticoids on vitamin D3 absorption and metabolism (human)
- MO1RR-00037-14 0123 General clinical research center - Structure and function of mucosa of GI tract (human)
- ** MO1RR-00039-14 0037 General clinical research center - Pseudohypoparathyroidism (human)
- MO1RR-00040-14 0028 General clinical research center - Parathyroid hormone secretion in health and disease (human)
- ** MO1RR-00050-13 0014 Wilson's disease - Chlorpropamide and diabetes insipidus (human)
- ** MO1RR-00063-12 0024 General clinical research center - Clinical and hormonal studies in acromegaly and gigantism (human)
- MO1RR-00084-12 0015 General clinical research center - Children - Developmental immunology
- ** MO1RR-00240-10 0104 General clinical research center - Children - Hypoparathyroidism secondary to hypomagnesemia
- PARATHYROID GLANDS DISORDERS, PARATHYROID HYPERPLASIA**
- MO1RR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
- MO1RR-00287-08 0052 General clinical research center - Localization of abnormal parathyroid tissue (human)
- PARATHYROID HORMONES**
- PO1AC-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogenous tissues (rabbits, rats)
- RO1AM-00668-20 Calcium and phosphate transport (rats)
- MO1AM-02219-06 Study hormonal regulation of bone metabolism (rats)
- RO1AM-04362-13 Mechanisms of bone resorption and accretion in vivo (chickens)
- ** PO2AM-04501-13 0002 Metabolic disease research center - Chemistry of parathyroid hormone (cattle, swine, human)
- ** PO2AM-04501-13 0003 Metabolic disease research center - Radioimmunoassay for parathyroid hormone (human, cattle)
- PO2AM-04501-13 0006 Metabolic disease research center - Calcitonin treatment of metabolic bone disease (human, salmon)
- RO1AM-04993-13 Stimulation of bone formation (dogs)
- PO2AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- ** RO1AM-06205-13 Parathyroid and bone metabolism (rats)
- PO2AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
- RO1AM-07126-11 Metabolism of human bone
- RO1AM-07867-11 Hormonal regulation of cellular calcium metabolism (human, rats)
- RO1AM-09096-09 Nutritional influences on bone (human, rats)
- RO1AM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)
- ** RO1AM-09579-09 Chemistry and localization of protein hormones (human)
- ** PO1AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- ** PO1AM-09050-10 0003 Hormonal and ionic control of metabolism - Metabolic control in isolated thymocytes
- ** PO1AM-09650-10 0008 Hormonal and ionic control of metabolism - Action mechanism of parathyroid hormones (rats)
- ** PO1AM-09650-10 0011 Hormonal and ionic control of metabolism - Mineral metabolism diseases and their treatment with ions and hormones (human)
- ** PO1AM-09650-10 0012 Hormonal and ionic control of metabolism - Calcium metabolism changes in carbohydrate disorders (human)
- ** PO1AM-09650-10 0015 Hormonal and ionic control of metabolism - Periodicities of endocrine function (human)
- RO1AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- ** RO1AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
- RO1AM-10558-09 0001 Peptide hormones affecting calcium metabolism - Calcium metabolism (rats, pigs)
- RO1AM-10558-09 0002 Peptide hormones affecting calcium metabolism - Gastrin secretion in the pig
- RO1AM-10558-09 0006 Peptide hormones affecting calcium metabolism - Experimental nephrocalcinosis (rats)
- RO1AM-10558-09 0008 Peptide hormones affecting calcium metabolism - Parathyroid gland in hypocalcemia prevention
- RO1AM-10558-09 0020 Peptide hormones affecting calcium metabolism - Experimental cardiovascular calcification (rats)
- RO1AM-10733-08 Control of phospholipid metabolism (dogs, rats)
- RO1AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
- RO1AM-11674-08 0004 Bone metabolism in chronic disorders - Phosphate and bone (rats)
- ** RO1AM-11674-08 0006 Bone metabolism in chronic disorders - Parathyroid responsiveness in experimental magnesium deficiency
- PO1AM-11793-07 0001 Kidney and electrolyte metabolism - Regulation of sodium excretion (dogs, rats)
- PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- ** RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- RO1AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
- RO1AM-13415-06 Biological transport of ions (dogs)
- RO1AM-13696-06 0007 Hormones and calcium absorption - Duodenal calcium transport
- RO1AM-14106-04 Growth hormone secretion rates (human, monkeys)
- RO1AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
- RO1AM-14496-03 Interaction of parathyroid hormone with bio-membranes (rats)
- RO1AM-14571-04 Enzymatic mediation of intestinal calcium transport (dogs, rats)
- RO1AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
- ** PO1AM-14881-04 0001 Metabolism and function of fat-soluble vitamins - Metabolism of vitamins D2, D3 and D4 (chicks, rats, monkeys, swine)
- ** PO1AM-14881-04 0008 Metabolism and function of fat-soluble vitamins - Vitamin D and action of parathyroid hormone and calcitonin (rats)
- RO1AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)
- RO1AM-15346-03 Development of mineralized tissues (rats)
- ** RO1AM-15462-03 Assay of calcium regulating hormones (human, dogs, sheep, rabbits, guinea pigs)
- PO1AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- ** PO1AM-15512-03 0005 University of Wisconsin program project in nephrology - Renal pharmacology (dogs)
- PO1AM-15512-03 0006 University of Wisconsin program project in nephrology - Renal pharmacology (human)
- PO1AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
- PO1AM-15512-03 0011 University of Wisconsin program project in nephrology - Renal metabolism in health and disease (dogs, human, rats)
- RO1AM-15604-03 Functional studies of cystic disease of the kidneys (rats, rabbits)
- PO1AM-15671-04 0025 The biology of skeletal and other connective tissues - Microtubules and calcium transport (rats)
- RO1AM-15800-03 Metabolism of bone and bone cells (rats)
- ** RO1AM-15888-02 Peptide hormones in calcium and skeletal metabolism
- ** RO1AM-15951-03 Calcium control of PTH and calcemic peptide biosynthesis (human, animals)
- RO1AM-16061-03 Theoretical and therapeutic aspects of calcification (human)
- PO1AM-16281-02 0007 Uremia-pathogenesis, effects, and possible prevention - Natriuretic factor in uremic serum (rabbits, frogs, rats, dogs)
- PO1AM-16281-02 0010 Uremia-pathogenesis, effects, and possible prevention - Sensitivity of phosphorus control in advancing renal disease (rats, dogs)
- RO1AM-16435-01 Phosphate transport in remnant kidney of the dog
- RO1AM-16502-03 Mineral transport in teeth and soft tissues (rats)
- RO1AM-16539-02 Regulation of phosphate transport in toad bladder
- RO1AM-16550-01 Secretion of calcitonin (organ culture)
- PO1AM-16764-02 0001 Disorders of renal acidification - Hereditary fructose intolerance (human, dogs, rats)
- PO1AM-16764-02 0006 Disorders of renal acidification - Role of parathyroid in renal tubular disfunctions (human, rats, dogs)
- ** RO1AM-16768-03 Radioimmunoassay of parathyroid hormone in man
- RO1AM-16885-01 Calcium homeostasis-Endocrine and comparative aspects (rats, birds)
- RO1AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
- ** RO1AM-16926-02 Parathyroid hormone and 3',5'-AMP in calcium metabolism
- ** RO1AM-16943-01 Regulation of hydrogen secretion by Ca and parathyroid (dogs, rats)
- RO1AM-16983-02 Calcium homeostasis-Endocrine aspects (cattle)
- ** PO1AM-17110-07 0002 Program project in biomaterials calcified tissue - Localization of tritiated parathyroid hormone in bone (rats)
- RO1AM-17169-01 Dietary factors in the etiology of osteoporosis (mice, rats)
- RO1AM-17503-01 Micropuncture study of renal glucose transport (dog)
- RO1AM-17642-01 Correlation of sodium and calcium transport in renal tubules (rats)
- RO1AM-17743-01 Calcium, calcemic hormones and gastrin (rats, swine)
- ** RO1AM-17793-04 Relation of potassium, metabolism, hormones to cell pH (rats)
- ** RO1AM-18063-01 Parathyroid and bone metabolism (rats)
- RO1AM-18072-01 Calcium homeostasis-Endocrine and comparative aspects (quail, rats, chipmunks)
- NO1AM-32212-02 Hyperlipidemia and atherogenesis (rats)
- NO1AM-42213-00 Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs)
- PO2CA-11067-05 0005 Clinical cancer research center - Renal tubular function (human)
- ** PO2CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
- RO1CA-11766-04 Ion transport and metabolic regulation in neoplasms (rats)
- PO2CA-11911-04 0021 Clinical cancer center - Lung tumor secretion of polypeptide hormones
- RO1CA-13075-03 Hypercalcemic factor of VX-2 carcinoma (rabbits)
- ** RO1CA-13700-02 Parathyroid hormone and cancer (human)
- RO1CA-15332-01 Cancer of the endocrine pancreas (human)
- ** PO1CA-16127-01 0016 Cancer Research and Treatment Center Program - Parathyroid hormone produced by nonparathyroid malignancies (human, mice)
- RO1DE-01523-13 Metabolic pathways in bone (mice)
- P13DE-02623-08 0010 Center for oral health research - Mitochondrion and the mineralization process (chickens)
- ** P13DE-02668-08 0015 Dental research center - Mineral metabolism (chick embryo, rats)
- PO1DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
- PO1DE-02848-06 0015 Biology of connective tissue, bones and teeth - Craniofacial bone remodeling and cell differentiation (mice)
- ** PO1DE-02849-06 0012 Mechanism and treatment of periodontal disease - Parathyroid hormone-calcitonin-prostaglandin in periodontal disease (human, dogs)
- PO1DE-02849-06 0024 Mechanism and treatment of periodontal disease - Effect of ascorbic acid on bone remodeling (mice)
- RO1DE-03725-02 Inflammation and bone resorption (human)
- ** PO1ES-00481-03 0004 Subcellular pathology of heavy metals - Low dietary calcium and iron and susceptibility to lead poisoning (rats)
- ** RO1HD-02455-08 Metabolic and endocrine effects of peptide hormones (human, monkeys)
- ** RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
- RO1HD-02803-07 Role of cells as depositors of calcium in bone (rats)
- PO1HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
- ** PO1HD-05894-04 0006 Genetic childhood diseases and aging - Parathyroid assays in relation to cellular immunity and aging (human)
- RO1HD-06106-03 Changes in cell type and structure in developing bone (rats)
- RO1HD-06410-03 Placental transport and perinatal disorders (sheep, cows, guinea pigs)
- RO1HD-07419-02 Bone development and calcium metabolism in fetal rats
- RO1HL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)
- RO1HL-13609-04 Aortic connective tissue in induced atherosclerosis (rabbits, rats)
- PO1NS-07253-06 0023 Center for clinical studies of head injuries - Calcium metabolism after head injury (human)
- ** MO1RR-00036-14 0119 General clinical research center - Radioreceptor assay for parathyroid hormone (human)
- MO1RR-00036-14 0120 General clinical research center - Effect of parathyroid hormone on cyclic AMP in hypomagnesemia (human)
- ** MO1RR-00036-14 0131 General clinical research center - Effect of acid-base changes on serum gastrin and parathormone (human)
- MO1RR-00036-14 0137 General clinical research center - Insulin secretion and glucose tolerance in uremia (human)
- ** MO1RR-00036-14 0167 General clinical research center - Effect of acid-base changes on serum gastrin and parathormone (human)
- ** MO1RR-00036-14 0168 General clinical research center - Relationship between parathormone, calcium and gastrin (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00040-14 0028 General clinical research center - Parathyroid hormone secretion in health and disease (human)
- ** MO1RR-00043-14 0003 General clinical research center - Parathyroid hormone and bone disease (human)
- MO1RR-00044-14 0042 General clinical research center - Etiology of hypocalcemia in hypomagnesemic states (human)
- ** MO1RR-00050-13 0064 Wilson's disease - cAMP and parathyroid hormone levels in diagnosis of hyperparathyroidism (human)
- MO1RR-00051-13 0004 General clinical research center - Connection of Ca and PO4 abnormalities in renal disease (human)
- MO1RR-00051-13 0056 General clinical research center - Regulation of Ca and phosphorus metabolism (human)
- ** MO1RR-00051-13 0162 General clinical research center - Hormonal modulation of circulating parathormone (human)
- MO1RR-00062-12 0007 Clinical research center, children - Disorders of calcium and phosphorus metabolism
- MO1RR-00062-12 0026 Clinical research center, children - Idiopathic juvenile osteoporosis
- MO1RR-00065-12 0005 General clinical research center - Alteration in parathyroid function (human)
- MO1RR-00065-12 0033 General clinical research center - Physiopathology and treatment of renal stones (human)
- MO1RR-00065-12 0042 General clinical research center - Hypercalcemia and cyclic AMP excretion in hyperparathyroidism (human)
- ** MO1RR-00065-12 0044 General clinical research center - Parathyroid hormone unresponsiveness and 3'5' cAMP excretion (human)
- ** MO1RR-00065-12 0045 General clinical research center - Persistence of calcemic and phosphaturic effects of PTH (human)
- ** MO1RR-00065-12 0046 General clinical research center - Hypocalcemia due to reversible PTH resistance (human)
- ** MO1RR-00073-12 0056 General clinical research center - Parathyroid function—Patients with hyperthyroidism and after thyroidectomy
- ** MO1RR-00073-12 0066 General clinical research center - Parathyroid secretion on cancer (human)
- ** MO1RR-00076-12 0079 General clinical research center - Evaluation of pituitary, adrenal, thyroid and parathyroid function (human)
- ** MO1RR-00079-12 0119 General clinical research center - Role of parathyroid hormone in familial hypophosphatemic rickets (human)
- MO1RR-00125-11 0218 General clinical research center - adult-child - Cyclic AMP dynamics in lipotrophic diabetes
- MO1RR-00188-10 0081 General clinical research center for children - Development of rickets on normal dietary vitamin D
- MO1RR-00240-10 0105 General clinical research center - Children - Relationship of PTH to vitamin D metabolism
- ** MO1RR-00287-08 0031 General clinical research center - Magnesium-parathyroid relationships (human)
- ** MO1RR-00287-08 0053 General clinical research center - Plasma calcitonin and parathyroid in thyroid disorders (human)
- ** MO1RR-00287-08 0064 General clinical research center - Calcitonin, parathyroid hormone and vitamin D in osteoporosis (human)
- MO1RR-00425-06 0066 General clinical research center - Divalent cation metabolism in pancreatitis (human)
- MO1RR-00633-02 0069 General clinical research center - Effect of furosemide on parathyroid function (human)
- ** MO1RR-00827-01 0011 General clinical research center - Peptide hormones in calcium and skeletal metabolism (human)

PARATHYROID HYPERPLASIA

SEE PARATHYROID GLANDS DISORDERS, PARATHYROID HYPERPLASIA

PARATHYROID NEOPLASMS

- PO2AM-04501-13 0003 Metabolic disease research center - Radioimmunoassay for parathyroid hormone (human, cattle)
- PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- RO1CA-08349-09 Potential tumor or organ imaging agents
- ** RO1CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
- MO1RR-00034-14 0078 General clinical research center - Sipple syndrome, medullary thyroid Ca, pheochromocytomas (human)
- MO1RR-00044-14 0003 General clinical research center - Diagnostic studies of hyperparathyroidism (human)
- ** MO1RR-00073-12 0066 General clinical research center - Parathyroid secretion on cancer (human)
- MO1RR-00107-11 0022 General clinical research center - Phosphorus feeding in hypercalcemia (human)
- MO1RR-00750-02 0007 General clinical research center - Disodium etidronate in treatment of Paget's disease (human)
- MO1RR-00827-01 0011 General clinical research center - Peptide hormones in calcium and skeletal metabolism (human)

PARATHYROID TRANSPLANTATION

- ** MO1RR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
- ** MO1RR-00069-12 0084 General clinical research center, children - The parathyroid gland transplantation
- MO1RR-00287-08 0052 General clinical research center - Localization of abnormal parathyroid tissue (human)

PARATHYROIDECTOMY

- RO1AM-00668-20 Calcium and phosphate transport (rats)
- ** RO1AM-10558-09 0022 Peptide hormones affecting calcium metabolism - Sialoadenectomy and serum CA in thyroparathyroidectomized rats
- RO1AM-12491-06 Osteoporosis and isolated osteoclasts (rats, mice, rabbits)
- RO1AM-14496-03 Interaction of parathyroid hormone with bio-membranes (rats)
- RO1AM-16898-02 Electronprobe microanalysis of nephron function (rats)
- RO1HL-04868-14 Physiological studies on the isolated perfused kidney (rabbits)
- MO1RR-00031-14 0060 General clinical research center - Parathyroid hormone and calcium on carbohydrate metabolism in uremic patients
- MO1RR-00032-14 0073 General clinical research center - Hormonal interrelations in uremic carbohydrate intolerance (human)
- ** MO1RR-00036-14 0164 General clinical research center - Review of surgically treated hyperparathyroidism (human)
- ** MO1RR-00036-14 0169 General clinical research center - Idiopathic hypercalciuria (human)
- MO1RR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
- MO1RR-00069-12 0084 General clinical research center, children - The parathyroid gland transplantation
- MO1RR-00095-14 0062 General clinical research center - Neurobehavioral and clinical responses to hemodialysis (human)
- MO1RR-00865-01 0031 General clinical research center - Idiopathic hypercalciuria (human)

PARATRACHOMA

SEE EYE DISORDERS, CONJUNCTIVITIS, INCLUSION CONJUNCTIVITIS

PARENT-CHILD

SEE FAMILY, PARENT-OFFSPRING

PARENT-OFFSPRING

SEE FAMILY, PARENT-OFFSPRING

PARENTAL DEPRIVATION-ABSENCE-LOSS

SEE FAMILY, PARENTAL DEPRIVATION-ABSENCE-LOSS

PARENTERAL FEEDING

SEE NUTRITION, DIET SCHEDULE AND ROUTE, PARENTERAL FEEDING

PARENTS

SEE FAMILY, PARENTS

PARESTHESIA

SEE SENSORY-PERCEPTUAL DISORDERS, PARESTHESIA

PARGYLIN

SEE PHENYLAALKYLAMINES, BENZYLAMINES, PARGYLIN

PARIENTAL LOBE

SEE BRAIN, CEREBRUM, PARIENTAL LOBE

PARKINSON DEMENTIA-ALS COMPLEX

SEE NEUROMOTOR DISORDERS, PARKINSON DEMENTIA-ALS COMPLEX

PARKINSON'S DISEASE

SEE NEUROMOTOR DISORDERS, PARKINSON'S DISEASE

PARNATE

SEE PHENYLAMINES, PARNATE

PARONYCHIA

SEE SKIN DISORDERS, NAIL, PARONYCHIA

PAROTID GLAND

SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID

PAROTITIS, EPIDEMIC

SEE VIRUS DISEASES, MYXOVIRUS, MUMPS

PAROXYSMAL NOCTURNAL HEMOGLOBINURIA

SEE HEMOPROTEINS, HEMOGLOBINURIA, PAROXYSMAL NOCTURNAL

PAROXYSMAL SLEEP

SEE NEUROLOGIC MANIFESTATION, SLEEP DISORDERS, NARCOLEPSY

PARS INTERMEDIA

SEE PITUITARY GLAND, PARS INTERMEDIA

PARTHENOGENESIS

SEE EMBRYOLOGY, PARTHENOGENESIS

PARTICLE ACCELERATORS

SEE RADIATION, PARTICLE ACCELERATORS

PARTICLE BEAMS

SEE RADIATION, HIGH ENERGY BEAMS

PARTICLE BEAMS SUPRAMOLECULAR

SEE PHYSICAL PROPERTIES, AEROSOL AND PARTICLE BEAMS

PARTICLE COUNTERS

- RO1AM-13023-06 A physical approach to stone formation
- RO1AM-14715-04 Scleroderma-Systemic sclerosis (human)
- ** RO1CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
- MO1CP-33231-04 Applied electrical and optical technology in ecology
- RO1GM-18350-04 Immunobiology of the laboratory rabbit
- ** P01GM-20309-02 0006 Acute trauma study center - Fat embolism (dogs, human)
- RO1HS-00696-04 Development of differential white cell count system

PARTICLES AND PARTICULATE MATTER

SEE PHYSICAL PROPERTIES, PARTICLES

PARTITION CHROMATOGRAPHY

SEE PHYSICAL SEPARATION, CHROMATOGRAPHY, PARTITION*

PARVOVIRUSES

SEE VIRUSES, PICODNAVIRUSES

PASSIVE CUTANEOUS ANAPHYLAXIS

SEE HYPERSENSITIVITY, SKIN SENSITIZING ANTIBODY

PASSIVE IMMUNIZATION

SEE IMMUNITY, IMMUNIZATION PASSIVE

PASSIVE SENSITIZATION

SEE HYPERSENSITIVITY, SENSITIZATION PASSIVE

PASSIVE SENSITIZATION TRANSFER FACTOR

SEE HYPERSENSITIVITY, TRANSFER FACTOR (HYPERSENSITIVITY)

PASTEUR EFFECT

SEE HEXOSES, GLYCOLYSIS, PASTEUR EFFECT

PASTURELLOSIS

SEE BACTERIAL DISEASES, PASTURELLOSIS

PATELLA

SEE SKELETAL SYSTEM, JOINT, KNEE

PATENT DUCTUS ARTERIOSUS

SEE CONGENITAL ABNORMALITIES, CARDIOVASCULAR SHUNTS ABNORMAL, PATENT DUCTUS

PATERNAL BEHAVIOR

SEE FAMILY, PATERNAL BEHAVIOR

PATERNAL DEPRIVATION-ABSENCE-LOSS

SEE FAMILY, PATERNAL DEPRIVATION-ABSENCE-LOSS

PATHOGENIC DIET

SEE NUTRITION, DIET PATHOGENIC

PATHOLOGIC PROCESSES

SEE DISEASES, PATHOLOGIC PROCESSES (NOT CLASSIFIED ELSEWHERE)

PATHOLOGY

SEE DISEASES, PATHOLOGY (GENERAL)*

PATHOLOGY MICROSCOPIC

SEE HISTOPATHOLOGY (GENERAL)*

PATHOLOGY, MOLECULAR

SEE DISEASES, MOLECULAR LEVEL STUDIES

PATHOLOGY STUDY SECTION

- ** R22AJ-02631-16 Schistosomiasis and granuloma formation (mice, rabbits, chimpanzee)
- RO1AI-06477-13 Pathomechanism of persistent AD virus infection (ferret, mink)
- ** RO1AI-06591-10 Chediak-Higashi syndrome and disease susceptibility (human, mink, mice)
- ** R22AJ-10034-04 Immunopathologic model for granulomatous diseases (human, mice, rats)
- ** RO1AI-10121-04 Cellular interactions in the antibody response (mice, sheep)
- ** RO1AI-10136-03 Pathology and pathogenesis of host versus graft disease (mice)
- ** RO1AI-10334-04 Nephritis immunopathology and renal transplants (human, rodents, sheep, moneys)
- ** RO1AI-10381-04 Pathogenesis of pyelonephritis (E coli, rats, mice)
- ** R22AJ-10509-03 Pathology and pathogenesis of dengue hemorrhagic fever (Thailand)
- ** RO1AI-10600-03 Human phagocyte function in health and disease (also animal)
- ** RO1AI-10601-01 Pathogenesis of fever (human, rabbits, guinea pigs)
- ** RO1AI-10639-04 Lymphatic system in health and in inflammation (mammals)
- M RO1AI-10689-03 Resistance to infections in the neonate
- RO1AI-11472-01 Hepatitis associated antigen (human, mice, rats, hamsters)
- ** RO1AI-11639-01 Mononuclear phagocytes in pathologic states (rabbits, rats, bacteria)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01A1-11656-01 Ultrastructural studies of C-virus murine myelopathy
- ** R01A1-12240-01 Biosynthesis and structure of acute phase protein (human, rabbits, rats)
- R01AM-00289-25 Histopathology of amino acid deficiencies (rats)
- ** R01AM-00918-19 Renal, vascular and pulmonary structure in disease (human, rats)
- ** R01AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- ** R01AM-02767-14 Evaluation of adrenocortical inhibitors (human, dogs)
- R01AM-03846-15 Structure and function in liver injury (human, rats)
- R01AM-03932-14 Copper metabolism in the rat
- ** R01AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
- R01AM-04459-13 Glomerular membranes and streptococci (rabbits)
- ** R01AM-04826-14 Abnormal proteins in the pathogenesis of disease (human, aspergillus)
- ** R01AM-05556-13 Pancreatic regeneration and differentiation (rats)
- ** R01AM-06074-16 Renal pathology studied with electron microscopy (human, rats, rabbits)
- R01AM-07369-12 Transport studies in experimental renal disease (human, rats)
- R01AM-07568-11 Mediators controlling DNA synthesis in liver (rats)
- R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- ** R01AM-08432-09 Mechanism of induced renal disease (mammals)
- ** R01AM-08686-09 Cytochemical studies in liver injury (mice, rats, guinea pigs, monkeys, human)
- ** R01AM-09351-09 Canine systemic lupus erythematosus (dogs and mice)
- ** R01AM-09432-10 Fine structure and localization of cholesterol (mice, human)
- ** R01AM-0958-10 Quinidine compounds in health and disease (rats)
- ** R01AM-10486-09 Maturation and function of PMN leukocytes (human, rodents, rabbits)
- ** R01AM-10672-09 Immunology of renal diseases (children, adults)
- ** R01AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- R01AM-10809-07 EM study and x-ray diffraction of stored lipids (human, rats, mice)
- ** R01AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
- ** R01AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- ** R01AM-11061-09 The juxtaglomerular complex (dogs, mice, rats, fish, human)
- ** R01AM-12064-08 Regeneration and basic responses of the nephron (rabbits)
- ** R01AM-12381-07 Iron in cell pathology (rats)
- R01AM-12950-06 Electron microscopic studies of parietal cells (rats)
- ** R01AM-13132-05 Ultrastructural basis of glomerular permeability (rats, mice)
- ** R01AM-13393-06 Mechanism and prevention of ethanol-induced cell injury (dogs, rats)
- ** R01AM-13495-05 Glomerular pathology after partial nephrectomy (rats)
- R01AM-13535-06 Cytology of central lymphoid tissue (human, chickens, rabbits, mice)
- ** R01AM-13866-05 Basement membrane derangements in diabetes mellitus (human)
- ** R01AM-13970-13 Wound repair and inflammation (human, rabbits, guinea pigs)
- ** R01AM-14411-05 Pathology of experimental renal medullary lesions (mice, rats)
- ** R01AM-14622-05 Urinary screening assay to supplement renal biopsy (human)
- ** R01AM-14678-04 Iron storage and mobilization in the macrophage series (mice, human)
- ** R01AM-14693-04 Membrane bound granules of the epidermis (rats, chickens, frogs)
- ** R01AM-14805-05 Chemistry and metabolism of basement membranes (rats, mice, human)
- ** R01AM-14882-04 Chemical pathology of lesions produced by ethionine (rats, guinea pigs)
- ** R01AM-15041-02 Carcinogenesis (rats)
- ** R01AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
- ** R01AM-15159-04 Immunohistopathology of renal diseases (human, rabbits)
- ** R01AM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
- ** R01AM-15394-04 Glycoprotein structure and metabolism in diabetes (rats)
- ** R01AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
- ** R01AM-15519-03 Behavior of reticular cells in germinal center genesis (rats, mice)
- ** R01AM-15663-03 Basement membrane-Structure, function, pathology (mice)
- ** R01AM-15755-03 Correlative prospective study of lupus nephropathy (human)
- ** R01AM-15756-03 Biochemistry of normal and abnormal renal growth (mice)
- ** R01AM-15936-03 Liver disease in Australia antigen positive donors (human)
- R01AM-16110-03 Bile acids and hepatic subcellular pathology (rats, hamsters, guinea pigs)
- R01AM-16127-04 Pathologic synthesis of collagen (human, rats)
- ** R01AM-16171-03 Factors regulating glomerular development and function (rats)
- ** R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
- ** R01AM-16236-03 Evolution of renal ultrastructure and function (rats)
- ** R01AM-16277-01 Unilaterally disease dog kidney models (also rats, human)
- R01AM-16302-02 Protein reabsorption and excretion (rats)
- ** R01AM-16398-01 Lipid composition of cultured human skin fibroblasts (children, adults)
- ** R01AM-16440-01 Cellular synthesis of complement components (guinea pigs, human)
- R01AM-16565-02 Pathophysiology of experimental immunological nephritis (dogs, rats)
- ** R01AM-16739-02 Pathogenesis of hepatic coma
- ** R01AM-16749-02 Acute renal failure basis of sustained renal ischemia (rats)
- ** R01AM-16774-02 Structural parameters in hepatic disease (rats)
- ** R01AM-16781-02 Ferritin synthesis in normal and malignant cells (rats, human)
- ** R01AM-17196-02 Clinicopathologic and other studies on renal disease (human, rats)
- ** R01AM-17202-01 Diabetes mellitus; role of coxsackievirus B infection (mice, human)
- ** R01AM-17210-01 Role of lysosomes in Chediak-Higashi syndrome (beige mice)
- ** R01AM-17309-01 Biological effects of lysosomal enzyme release (human)
- ** R01AM-17360-01 Liver pathology in experimental porphyria (rats, chick embryo)
- ** R01AM-17374-02 Manganese-induced model of hepatic disease (rats)
- ** R01AM-17485-01 Capillary permeability in experimental diabetes (rats)
- ** R01AM-17486-01 Identification of carrier state of Wilson's disease (human)
- ** R01AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
- ** R01AM-17595-01 Feedback mediators controlling DNA synthesis in liver (rats)
- ** R01AM-17609-01 Protein synthesis in normal and regenerating liver (rabbits)
- ** R01AM-17641-01 Comparative study of renal cystic diseases in rats
- ** R01AM-17697-01 Islets transplantation and diabetic vascular disease (rats)
- ** R01AM-17722-01 Immunologic mechanisms of glomerular injury (guinea pigs)
- ** R01AM-17724-01 Normal and pathologic glomerular capillaries (rats)
- ** R01A-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- ** R01A-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- ** R01A-05310-14 Mechanism of action of beta-3TA (mice)
- ** R01A-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
- R01A-05945-11 Macromolecules in liver carcinogenesis (rats, mice)
- M R01A-05985-13 Stages of carcinogenesis of the cervix uteri in mice
- M R01A-06081-13 Ultrastructural pathology
- ** R01A-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
- R01A-06833-11 Factors influencing lymphoma cells (mice)
- R01A-07160-10 Possible neoplastic effects of non-neoplastic viruses (mice)
- R01A-08306-09 Protein biosynthesis in neoplasia (rats)
- R01A-08315-10 Steroid induced changes in cultured malignant cells
- ** R01A-08575-09 Atlas of tumor pathology
- ** R01A-08593-08 Immune responses to tumor grafts (mice, sheep)
- R01A-08857-09 Urinary bladder carcinogenesis in man and animal (rabbits)
- ** R01A-08936-08 Effect of chemical carcinogens on cells in vitro (human, rodents, viruses)
- M R01A-09599-16 Histochemical and quantitative studies of neoplasia
- R01A-10052-09 Cartilage and bone formation induced by FL cells (mice, rats, chick embryo)
- R01A-10130-09 Catalase isozymes in normal and neoplastic tissues (human, quails)
- R01A-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- R01A-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
- R01A-10515-07 Kinetics of cell turnover in leukemia (human, mice)
- R01A-10671-07 Catalase-C-reactive protein biochemistry in cancer (human, mice, rabbits)
- R01A-10697-08 Specificity of avian myeloblastosis virus
- ** R01A-10712-07 Foreign body tumorigenesis (mice)
- R01A-10729-07 Induction-Characterization-Minimal deviation hepatomas (rats)
- ** R01A-10978-06 Enzyme control mechanisms in chemical carcinogenesis (mice, rats)
- ** R01A-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
- ** R01A-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
- ** R01A-11189-05 Cell kinetics of human tumors (human, rats)
- M R01A-11224-06 Neurooncogenesis by resorptive carcinogens
- R01A-11271-06 Biochemical studies of hepatoma production by ethionine
- ** R01A-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
- R01A-11427-05 Virus in relation to C57BL mouse thymoma
- R01A-11437-03 Magnesium deficiency, leukocytosis, lymphoma, leukemia (rodents)
- ** R01A-11479-05 Nucleolar pathology and molecular carcinogenesis (mice)
- ** R01A-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- R01A-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- ** R01A-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
- R01A-11799-04 Pathology of the nucleolus in experimental carcinogenesis (rats)
- R01A-11898-04 Brain tumors-Virological and immunological studies (hamsters, rabbits)
- ** R01A-11901-04 Pathology of tumorigenesis in developing embryos (frogs)
- R01A-12067-04 Electron microscopic and cytochemical studies of DNA (human, rats)
- ** R01A-12073-04 Chromatin in normal and pathological liver cells (rats)
- ** R01A-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- ** R01A-12089-04 Immunology of chemically modified cancer cell (mice)
- ** R01A-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
- R01A-12122-02 Vitamin A acid localization in the heratoacanthoma (rabbits)
- R01A-12130-04 Polyploidy in analysis of variation and tumorigenesis (hamsters, frogs)
- R01A-12131-03 Viral transformation genetics, and leukemia risk (human)
- ** R01A-12152-04 Immunoglobulin synthesis by malignant plasma cells (mice, human)
- ** R01A-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- ** R01A-12218-04 Pathogenesis of liver cancer (rats, guinea pigs)
- R01A-12243-03 Immunologic stimulation in lymphoma and leukemia (human)
- ** R01A-12318-03 In vitro lymphocyte responses in Hodgkins disease (human)
- ** R01A-12336-04 Embryonal tumors (mice, calves, human)
- ** R01A-12338-03 Somatic cell genetics-Mutations and carcinogenesis (human, rodents)
- ** R01A-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
- R01A-12351-04 Deoxyribonucleases of tumor nuclei (human, animals)
- ** R01A-12386-03 Development of lymphoma in the thymus (mice)
- ** R01A-12456-04 Analysis of the mechanisms of cancer metastasis (mice, dogs)
- ** R01A-12461-04 Suppression of established leukemia virus infection (mice)
- ** R01A-12491-03 Viral induction of thymic lymphosarcomas in rats (also mice)
- ** R01A-12503-04 Neoplastic growth and cell cycle control (mice)
- R01A-12504-04 Suppression of malignancy in cell hybrids (mice)
- R01A-12635-03 Pathogenesis of plasma cell tumors (mice)
- ** R01A-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
- ** R01A-12668-03 Pathology of the nucleus and chromosomes in cancer (human)
- ** R01A-12686-02 Differentiation during progression to malignancy (rabbits)
- R01A-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
- ** R01A-12689-03 Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, human)
- R01A-12779-02 Leukocyte regulatory mechanisms (human, mice, rats)
- ** R01A-12781-03 Brain tumor culture, electron microscopy and polyamines (human)

(contd)

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- ** R01CA-12825-03 Enhancing antineoplastic effect of germ-cell tumors (mice, human)
- ** R01CA-12827-03 Immunotherapy of acute leukemia (humans)
- ** R01CA-12850-03 Retinal cells in tissue culture (human, rabbits, rodents)
- R01CA-12929-03 Interrelationship between malignancy and immunity (mice)
- ** R01CA-12934-03 Tumorigenic potential in chromosome aberrations (human)
- ** R01CA-12977-03 Release of fetoglobulin by primary hepatoma (rats)
- ** R01CA-12989-01 Immunological studies of experimental brain tumors (rats)
- ** R01CA-12990-03 Inhibition of androgen action in prostatic neoplasms (human, rat)
- ** R01CA-13028-03 Identification of breast cancer isoenzymes (human)
- R01CA-13047-03 Control mechanisms of differentiation and malignancy
- R01CA-13070-03 Active immunity to human and experimental brain tumors (hamsters)
- ** R01CA-13075-03 Hypercalcemic factor of VX-2 carcinoma (rabbits)
- ** R01CA-13077-03 CEA characterization and radioimmunoabsorbance assay (human, mammals nonhuman)
- ** R01CA-13217-03 Langerhans cells in benign and malignant skin diseases (human, guinea pigs)
- ** R01CA-13306-02 Early diagnosis of cancer and of cancer metastases (human)
- ** R01CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
- ** R01CA-13333-03 Murine myeloma tumor studies
- ** R01CA-13336-02 Proliferative abnormalities in carcinoma of colon (human)
- ** R01CA-13339-02 Host defenses against lymphoblastic leukemia (human, mice)
- ** R01CA-13376-02 Hepatocarcinogenesis in culture (rats, human)
- R01CA-13377-02 Immunological prevention of leukemia induction (mice)
- ** R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
- ** R01CA-13410-02 Mechanism of hormone action on target cells in culture (human, rats, mice)
- ** R01CA-13427-02 Hormonal mechanisms endometrial carcinoma (human, rabbits)
- R01CA-13451-02 The biology of human neuroblastoma
- R01CA-13453-03 Antigens from human cancer tissue
- R01CA-13456-02 Human immune response to malignancy during immunotherapy
- ** R01CA-13467-02 Immunotherapy of mouse lymphomas
- ** R01CA-13468-02 Growth potential of single lymphoma cells in mice
- R01CA-13533-03 Ectopic placental proteins in cancer (human)
- ** R01CA-13534-03 Plasma membrane proteins in normal and cancer cells (human)
- R01CA-13548-02 Controlled differentiation of tumor cells (mice)
- R01CA-13595-03 Electron microscopy of lymphoreticular tissues (mice, human)
- M R01CA-13625-03 Myeloma tumors in cell culture
- ** R01CA-13661-02 Cytogenetics of human tumors
- R01CA-13678-02 Blood group substances and gastrointestinal neoplasia (human)
- R01CA-13746-02 Role recognition factors and macrophages in neoplasia (human, rats)
- ** R01CA-13822-02 Effects of cancer and therapy on infection and immunity (hamsters, mice, rabbits)
- ** R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
- R01CA-13861-02 Chemical mediators of tumor cell ascites fluid (mice, human)
- R01CA-14003-02 Lipid control of growth of normal and tumorigenic cells (mice, human)
- R01CA-14019-02 Antiangiogenesis-New method of therapy of solid tumors
- ** R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- R01CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
- R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
- R01CA-14162-01 Carcinogen interactions in regenerating liver (rats)
- ** R01CA-14189-02 Bronchogenic carcinoma-Early detection and etiology (human)
- ** R01CA-14211-01 Interaction on oncogenic agents with cell membranes (rats)
- R01CA-14264-02 Pathology of cell differentiation in leukemia (human, rodents)
- ** R01CA-14298-02 Mechanisms of cancer induction in the digestive tract (rats)
- ** R01CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- ** R01CA-14370-02 Specificity in normal and cancer cell interactions
- R01CA-14413-02 Human lymphatic neoplasia
- ** R01CA-14420-02 Blood-group antigens on tumor cell membranes (human, mice, guinea pigs)
- R01CA-14431-02 Cell adhesion of normal and malignant liver cells (rats)
- ** R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer
- ** R01CA-14447-02 Cell membrane interrelationships in human cancer (and mice)
- ** R01CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- ** R01CA-14484-01 Specific inhibition of human fibroblast proliferation
- ** R01CA-14650-01 Experimental brain tumors-Developmental studies (rats)
- ** R01CA-14651-01 Immunocytochemistry of glial brain tumor cells (rats, rabbits, human)
- ** R01CA-14655-01 Fever in malignant diseases (human)
- R01CA-14697-02 Specific anti-tumor activity by 'armed' lymphoid cells (mice)
- ** R01CA-14700-01 Lipolytic activity in tumor cells (rats Walker 256 ascites tumor)
- ** R01CA-14708-02 Fine structural analysis of androgenic tumor cells (mice)
- R01CA-14710-02 Irreversibility of latent tumor cells (mice)
- ** R01CA-14730-01 Virus induced leukemic stem cells in mice
- ** R01CA-14766-02 Studies in tumor angiogenesis and invasiveness (hamster cheek pouch)
- R01CA-14775-02 Tumor immunity related to clinical course and therapy (human)
- R01CA-14782-02 Antigenic strength of nonviral tumors (mice)
- R01CA-14783-02 Polyamine metabolism in cancer and cancer chemotherapy (mice)
- ** R01CA-14784-01 Carcinogen effects on nuclear proteins (rats)
- ** R01CA-14797-01 Epithelial basement membrane components (mice)
- ** R01CA-14827-01 The effects of thymectomy in oncogenesis in humans
- M R01CA-14828-01 Molecular mechanisms in carcinogenesis
- ** R01CA-14872-01 Embryonic components in cancer and pathologic tissues (human, rabbits)
- ** R01CA-14874-01 Pulmonary carcinogenesis in fetal and neonatal lung (mice)
- ** R01CA-14888-01 Herpes genitalis in the adolescent vs mature monkey
- ** R01CA-14904-02 The role of the hyperplastic liver nodule in carcinogenesis (rats)
- R01CA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
- R01CA-14991-02 Renewal of premalignant and malignant intestinal cells (human, hamsters)
- R01CA-15039-01 Cytogenetic diagnosis and etiology of human cancer
- ** R01CA-15044-01 Pathogenetic determinants of human CNS tumors
- ** R01CA-15050-01 Potential carcinogenicity of cannabis (mice, rats)
- R01CA-15062-01 Normal and cancerous prostate (human, rats)
- R01CA-15072-01 Pathology of lymphoid neoplasms derived from T and B cells (mice)
- ** R01CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
- ** R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
- ** R01CA-15089-01 Chemical carcinogenesis in vitro (hamsters, human, mice)
- ** R01CA-15095-01 Cocarcinogenic agents in chemical carcinogenesis (mice)
- ** R01CA-15103-01 The platelet line in myeloproliferative malignancies (human)
- R01CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
- ** R01CA-15136-01 Basophil/mast cell function in the control of cancer (guinea pigs, mice, rats)
- ** R01CA-15169-01 Neoproteolipids associated with malignant tumors (human, rodents)
- M R01CA-15182-01 In vitro characterization of Hodgkin's disease cells
- R01CA-15189-01 DNA repair and carcinogenesis (rodents)
- ** R01CA-15208-01 Somatic mutation and chemical carcinogenesis (hamsters)
- ** R01CA-15222-01 Chemistry and metabolism of hepatoma alpha fetoprotein (rats)
- ** R01CA-15240-01 Non-specific resistance to syngeneic tumors (mice)
- ** R01CA-15256-01 A radioimmunoassay for ovarian cancer (human)
- ** R01CA-15276-01 Induction and culture of EGF-dependent skin tumors (mice)
- ** R01CA-15306-01 Mechanisms of immunosuppression of murine myeloma
- ** R01CA-15332-01 Cancer of the endocrine pancreas (human)
- ** R01CA-15344-01 Pulmonary metabolism of benzo(a)pyrene (rabbits)
- ** R01CA-15419-01 Role of thymosin in development and aging (human, mice, cattle)
- ** R01CA-15484-02 Histone control of nuclear DNA polymerase activity (rats)
- ** R01CA-15486-01 Cancer and macroglobulinemia (NZ mice, human)
- R01CA-15496-04 Mechanism of immunosuppression by mouse plasmacytomas
- ** R01CA-15549-01 Neoplastic-normal cell coaggregates (mice)
- ** R01CA-15556-01 Antigens and immunity in bronchogenic carcinoma (human)
- ** R01CA-15564-01 Leukocyte bactericidal power in leukemia (human)
- ** R01CA-15565-01 Macrophage and tumor cell interactions (mice)
- ** R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
- ** R01CA-15567-01 Kinetic modeling of rat liver and Morris tumors
- ** R01CA-15585-01 Soluble mediator of tumor induced immunosuppression (mice)
- ** R01CA-15586-01 Enhancement and cellular injury in tumor systems (rats, human)
- ** R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
- ** R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- ** R01CA-15611-01 Monocyte and T-lymphocyte receptors in malignancy (children)
- ** R01CA-15619-01 Normal and malignant hematopoietic cell replication (human, rabbits)
- ** R01CA-15629-01 Pathogenesis of anemia in malignancy (human, rodents)
- ** R01CA-15630-01 Surface glycoproteins of normal and transformed cells (chick embryo, viruses)
- ** R01CA-15643-01 Leukemogenesis and cellular immunity (viruses, mice)
- ** R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
- ** R01CA-15664-01 Cholesterol metabolism in hepatic neoplasms
- ** R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- ** R01CA-15784-01 Human macrophages and other cells in carcinogenesis (human)
- ** R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
- ** R01CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
- ** R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
- ** R01CA-15928-01 Pathophysiology of Hodgkin's disease (human)
- ** R13CA-15932-01 Engineering foundation conference-Automatic cytology (California)
- R01CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
- ** R01CA-15988-01 Immune surveillance and cancer (mice)
- ** R01CA-16011-01 Opsonic and phagocytic activity during tumor growth (rats)
- ** R01CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
- ** R01CA-16031-01 Binding of chemical carcinogens in the lung (rats, human)
- ** R01CA-16032-01 Binding site mutants of mouse plasmacytomas
- ** R01CA-16063-01 Etiology of canine transmissible sarcoma
- ** R01CA-16065-01 Chemical carcinogenesis in the colon (mice)
- ** R01CA-16071-01 Double HLA antigens in sera of cancer patients
- ** R01CA-16089-01 Immunotherapy and dynamics of the metastatic process (mice)
- ** R01CA-16096-01 Host-neoplasia interactions in gliomas (human)
- ** R01CA-16112-01 Early immunodeficiency and late oncogenesis (mice)
- ** R01CA-16172-01 Neoplasia in nude (athymic) mice
- ** R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
- ** R01CA-16377-01 Ultrastructure of experimental tumor cell surface (rats, mice)
- ** R01CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- ** R01CA-16898-01 Activated lymphocytes for immunotherapy of neoplasms (human)
- ** R01CA-16997-01 Studies of induction and immunity
- ** R01CA-17089-01 Early diagnosis of cancer and of cancer metastases (human)
- ** R01CA-17099-01 Factors in canine mast tumor implantation and growth (beagles)
- ** R01DE-02636-08 Mobilization of connective tissue components (rabbits, rats, human)
- R23DE-03486-03 Growing capillaries-Basal lamina and permeability (guinea pigs)
- R01ES-00256-08 Mycotoxin toxicity and carcinogenesis in trout

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R01ES-00472-05 Hepatocellular metabolism of chlorinated hydrocarbons (rats, monkeys)
 ** R01ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
 ** R01ES-00583-04 Response of alveolar macrophages to inhaled particles (rabbits, guinea pigs)
 ** R01ES-00690-01 Lead poisoning and kidney function (rats, children)
 R01ES-00709-03 Chronic and multi-generation of cadmium (rats, monkeys)
 ** R01ES-00741-02 Interaction of SO₂ and virus on respiratory mucosa (chickens)
 ** R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
 ** R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
 ** R01ES-01079-01 Response of fetal and postnatal lungs to O₃ and NO₂ (rats)
 R01FD-00692-04 Renal pathology in lead poisoning (rats)
 R01GM-19322-03 Release of injurious constituents from cells (rabbits, human)
 ** R01GM-20901-01 Flow systems—Cell preparation, cytochemistry, pathology (human, animals)
 ** R01HD-00652-11 Plasma and cell protein metabolism (human)
 ** R01HD-00659-15 Study of immature kidneys by microdissection (human, rats)
 ** R01HD-02266-09 Uterine eosinophil structure and function (human, rats, cattle)
 ** R01HD-02459-08 Ultrastructural studies of the lung (rabbits)
 ** R01HD-03236-06 Metabolism of lipids and calcium during aging (rats)
 ** R01HD-05936-03 Lung hydraulic impedance evaluation in children
 ** R01HD-06773-03 Tissue collagenase and its control by steroids (rats)
 ** R01HD-06894-02 Study of MBT test in selected childhood disorders
 ** R01HD-07478-02 Effect of rat alpha-2 macroglobulin on cell adhesion (rats, chick embryo)
 ** R01HL-01623-23 Antigens related to graft rejection (rabbits, rats)
 M R01HL-01803-20 Arteriosclerosis, rheumatic diseases, glomerulonephritis
 ** R01HL-02986-18 Zonal renal change with potassium depletion (rats)
 M R01HL-03444-16 Alterations of arterial tissue in atherosclerosis
 ** R01HL-03973-16 New technique for in vitro production of thrombi (human, dogs, rats)
 R01HL-04300-16 Fine structure of diseased glomeruli (human)
 ** R01HL-05694-15 Functional pathology of cardiovascular disease (human)
 ** R01HL-06276-13 Nervous system vascular patterns (human, mammals nonhuman)
 R01HL-06943-12 Vascular permeability (rodents)
 ** R01HL-06975-13 Pathogenesis of hypertension (rats, human)
 ** R01HL-07835-13 Renal circulation and experimental hypertension (rats, rabbits)
 M R01HL-08251-11 Pathophysiology of vascular injury
 ** R01HL-09203-10 Pathogenesis of pulmonary thromboembolic disease (human, rabbits, cats)
 ** R01HL-09622-10 Pathogenesis of atherosclerosis (rats)
 ** R01HL-10980-08 Ultrastructural renal pathology (human, rats)
 ** R01HL-11114-07 Electron microscopy of the juxtaglomerular apparatus (rats, rabbits)
 ** R01HL-11897-07 Pathogenesis of coronary atherosclerosis (human)
 ** R01HL-11963-06 Biochemistry of blood vessel formation and disease (swine)
 R01HL-12147-07 Histochemistry of early arteriosclerotic lesions
 ** R01HL-12521-06 Mechanisms of arterial damage in hypertension (rabbits)
 ** R01HL-12557-06 Effects of steroids and pregnancy on arteries and veins (guinea pigs)
 ** R01HL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
 ** R01HL-12650-06 Environmental pathobiology of the lung (rodents)
 ** R01HL-12967-05 Experimental pyelonephritis (rats)
 ** R01HL-13045-05 Pulmonary artery occlusion—Effect on lung metabolism (dogs)
 ** R01HL-13398-05 Alpha-1 antitrypsin deficiency in pulmonary emphysema (human)
 R01HL-13419-08 Correlation of pre- and postmortem function (human)
 ** R01HL-13609-04 Aortic connective tissue in induced atherosclerosis (rabbits, rats)
 ** R01HL-13632-04 Vascular changes in diabetes mellitus (human)
 ** R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 ** R01HL-13713-04 Pathogenesis of lipid accumulation (human, mice)
 ** R01HL-13722-04 Acid and alkaline lipases in aortas of various species (animals, human)
 ** R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
 ** R01HL-13901-04 Lymphatic capillaries in early inflammation (rabbits)
 ** R01HL-14117-03 Mechanism of heart failure (Syrian hamsters)
 R01HL-14262-03 Human leukocyte elastase in vascular and lung disease (mice, rabbit, dog, monkey)
 ** R01HL-14302-03 Induced chronic intravascular coagulation (dogs)
 ** R01HL-14467-03 Diagnosis and characterization of myocardial infarction (dog, rabbit, rat, human)
 ** R01HL-14479-06 Immunochemical aspects of normal and diseased lung (human, dogs, swine)
 ** R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
 R01HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
 ** R01HL-14540-03 Macrophage lysosomes and host defense in endotoxemia (rats)
 R01HL-14667-02 Smoke inhalation injury—Etiology and protection (rats)
 ** R01HL-14823-03 Arterial smooth muscle cell in atherosclerosis (pigtail monkeys)
 ** R01HL-14844-02 Mucin secretion by respiratory epithelial explants (human)
 ** R01HL-14978-02 Granulocyte function and metabolism in uremia (human, dogs)
 ** R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
 ** R01HL-15140-01 Lysosomal proteases and chronic obstructive pulmonary disease
 ** R01HL-15185-02 Progressing fibrosis of lungs (guinea pigs)
 ** R01HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
 ** R01HL-15211-02 Immunologic aspects of beryllium lung disease (human, rats, guinea pigs)
 ** R01HL-15273-02 Metabolism of pulmonary surfactant (rats)
 M R01HL-15484-02 Aneurysms, arteriovenous fistulas and atherosclerosis
 ** R01HL-15642-01 Corticosteroids and smoke-inhalation pathology (mice)
 R01HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
 ** R01HL-15797-01 Lipid metabolism and atherosclerosis in primates
 ** R01HL-16255-01 Arterial lesions and thromboembolism (salmon)
 ** R01HL-16327-01 Immunologic mechanism of pulmonary cavitation (rhesus monkeys)
 ** R01HL-16385-01 Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog)
 ** R01HL-16407-01 Cell biology of the alveolar capillary unit (rats, hamsters)
 ** R01HL-16542-01 Early obstructive lung disease—Mechanics, morphometry (human autopsy)
 ** R01HL-16588-01 Collagen synthesis in atherosclerosis (dogs, rats, rabbits)
 ** R01HL-16661-01 Risk factors and atherosclerosis in diabetic monkeys
 ** R01HL-16713-01 Emphysema, bronchitis, alveolar enzymes and inhibitors (human)
 ** R01HL-16714-01 Endothelial cell communication in homeostasis (human, mammals, sharks)
 ** R01HL-16758-01 Lung O₂ toxicity—Metabolism, pathology and recovery
 ** R01HL-16775-01 Cystic disease of the kidney (rats)
 ** R01HL-16787-01 Inborn alpha 1-antitrypsin levels and pulmonary disease resistance (mice)
 ** R01HL-16864-01 Change in alveolar permeability in pulmonary edema (dogs)
 ** R01HL-16952-01 Cardiovascular pathology (rats, dogs, swine, human)
 ** R01NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
 ** R01NS-03677-13 Experimental cerebral injury and edema (primates, dogs)
 ** R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 M R01NS-05572-10 Ultrastructural basis of neuropsychiatric disease
 ** R01NS-06856-08 Storage disease—Intracellular transport and digestion (human, animals, plants)
 ** R01NS-08045-04 Cytochemical studies of skeletal muscle mitochondria (human, rodents)
 ** R01NS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
 R01NS-08533-06 Muscle—Fine structural basis of abnormal permeability (rats, mice)
 ** R01NS-08620-04 Mechanisms of peripheral nerve dysfunction (human, rats)
 M R01NS-08952-06 EM cytopathology of organized CNS and PNS cultures
 M R01NS-08997-05 Fine structural alterations in CNS viral disease
 ** R01NS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
 ** R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
 R01NS-09569-02 Med-myopathy—A new hereditary myopathy (mice)
 ** R01NS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
 ** R01NS-09673-01 Fine structure of myelinogenesis and myelin disease (dogs)
 ** R01NS-09789-03 Fine structure of viral induced brain tumors (dogs)
 ** R01NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)
 ** R01NS-10265-02 Familial ataxia (cats)
 M R01NS-10473-03 Brain lipids in diffuse demyelinating disease
 ** R01NS-10648-02 Experimental neuropathology in tissue culture
 ** R01NS-10803-03 Experimental pathology of developing nervous system (rodents)
 ** R01NS-10884-01 Prevention of peripheral neuromas with triamcinolone (monkeys, human)
 ** R01NS-10897-01 Effects of chronic L-dopa therapy on adrenals and gut (rats, human)
 ** R01NS-10969-01 Electron microscopy of human muscle spindles
 ** R01NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
 R01NS-11129-02 Morphology of chronic viral infections of the brain (human, monkeys, hamsters)
 ** R01NS-11237-02 Brain development in normal and mutants (mice)
 ** R01NS-11239-02 Mechanism of neuroplasmic flow (cattle)
 ** R01NS-11277-01 Pathogenesis of nutritional brain injury (chickens)
 ** R01NS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
 ** R01NS-11451-01 Immunopathogenesis of visna (sheep)
 ** R01NS-11551-01 Demyelination and the optic nerve (human)
 ** R01NS-11559-01 Pathological aspects of neuroplasmic flow (mice)
 ** R01NS-12075-01 Biochemical studies on monoamine containing neurons
 ** R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
PATIENT CARE
 SEE HEALTH CARE SERVICES, PATIENT CARE
PATIENT CARE, COMPREHENSIVE
 SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT, COMPREHENSIVE CARE
PATIENT CARE, HOME CARE
 SEE HEALTH CARE SERVICES, HOME CARE
PATIENT CARE, MENTALLY ILL
 SEE MENTAL HEALTH SERVICES, PSYCHIATRIC PATIENT CARE
PATIENT CARE, TERMINAL PATIENTS
 SEE HEALTH CARE SERVICES, PATIENT CARE, TERMINAL PATIENTS
PATIENT CARE MANAGEMENT
 SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT
PATIENT CARE PERSONNEL RELATIONS
 SEE HEALTH CARE SERVICES, PATIENT CARE PERSONNEL RELATIONS
PATIENT CARE PLANNING
 SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT, PLANNING
PATIENT CARE QUALITY
 SEE HEALTH CARE QUALITY
PATIENT ISOLATORS (LIFE ISLAND)
 SEE COMMUNICABLE DISEASE CONTROL, LIFE ISLAND
PATIENT PROFESSIONAL RELATIONS
 SEE HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
PATIENT REFERRAL
 SEE HEALTH CARE SERVICES, REFERRAL AND CONSULTATION
PATTERN RECOGNITION (BIOLOGY)
 SEE SENSORY-PERCEPTUAL PROCESSES, FORM AND PATTERN PERCEPTION
PATTERN RECOGNITION (COMPUTER)
 SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
PATTERN RECOGNITION, COMPUTER (OTHER THAN IMAGE-WAVESHAPE, OR COMPUTER SIMULATION OR DIAGNOSIS)
 SEE COMPUTER, ARTIFICIAL INTELLIGENCE
PATTERN RECOGNITION (VISUAL)
 SEE EYE, VISION, FORM AND PATTERN PERCEPTION VISUAL
PATULIN
 SEE OXOARYLS, PATULIN
PBI
 SEE HALOPROTEINS, PROTEIN BOUND IODINE

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

PCB

SEE HALOBENZENES, PCB AND PCT

PCP (PARACHLOROPHENYLALANINE)

SEE CYCLIC AMINO ACIDS, PHENYLALANINE, P-CHLOROPHENYLALANINE

PCT

SEE HALOBENZENES, PCB AND PCT

PEANUT OIL

SEE LIPIDS, OILS, PEANUT OIL

PECTINS

SEE HEXOSANS, GALACTURONANS, PECTINS

PEDIATRIC CARE (SERVICES)

SEE CHILD HEALTH CARE (SERVICES)

PEDIATRIC NEOPLASMS

SEE NEOPLASMS, PEDIATRIC

PEER GROUPS

SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, PEER GROUPS

PELECYPODS

SEE MOLLUSKS, PELECYPODS*

PELLAGRA

SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, PELLAGRA

PELLAGRA PREVENTIVE FACTOR

SEE PYRIDINE CARBOXYLIC ACIDS, NICOTINIC ACID

PELVIS

SEE BODY REGIONS, PELVIS

PELVIS NEOPLASMS

SEE NEOPLASMS, PELVIS NEOPLASMS

PEMOLINE

SEE OXAZOLIDONES, PEMOLINE

PEMPHIGUS

SEE SKIN DISORDERS, PEMPHIGUS

PENICILLAMINE

SEE SULFUR AMINO ACIDS, PENICILLAMINE

PENICILLANIC ACID

SEE THIAZABICYCLO(3.2.0)HEPTANES, PENICILLANIC ACID

PENICILLIN

SEE ANTIBIOTICS, PENICILLIN

PENICILLIN G

SEE ANTIBIOTICS, PENICILLIN G

PENICILLINASE

SEE AMIDOHYDROLASES, PENICILLINASE

PENICILLIUM

SEE FUNGI IMPERFECTI, MONILIALES, PENICILLIUM*

PENICILLOIC ACIDS

SEE THIAZOL(DIENE) CARBOXYLIC ACIDS, PENICILLOIC ACIDS

PENILE DISORDERS

SEE REPRODUCTIVE SYSTEM DISORDERS MALE, PENILE DISORDERS

PENIS

SEE REPRODUCTIVE SYSTEM MALE, PENIS

PENTACYCLIC TRITERPENES

SEE TERPENES, PENTACYCLIC TRITERPENES

PENTAZOCINE

SEE BENZAZOCINES, PENTAZOCINE

PENTHANIL

SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, DTPA

PENTITOLS

SEE SUGAR ALCOHOLS, PENTITOLS

PENTOBARBITAL

SEE PYRIMIDINES, BARBITURATES, PENTOBARBITAL

PENTOSE PATHWAYS

R01AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)

R01AA-00272-04 Platelet utilization and metabolism in alcoholism (human)

R01AM-12604-06 Glucose metabolism and hydrogen transport (rats, rabbits, birds)

R01CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)

R01EY-01081-01 Enzymes of vision-Vitamin A metabolism (human, rat, cow, monkey)

R01HD-05090-04 Endometrial preparation for implantation (rats)

P01HD-05969-03 0003 Events that control fertilization - Metabolism and metabolic control of ovary (Rhesus monkey)

** P01HD-05996-03 0004 Prevention of mental retardation through prenatal diagnosis - Intermediary carbohydrate metabolism in fetal cells (human)

P01HD-06276-03 0063 Mental retardation research program - Metabolic pathways of glucose in fetal brain (human)

P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)

P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition

R01HL-14474-03 Mechanisms of oxygen toxicity of the lung (rats)

R01HL-17719-01 Mechanisms of oxygen toxicity of the lung (rats)

P01MH-13002-06 0040 Clinical and laboratory studies of affective disorder - The neurochemistry of aging (rats)

PENTOSE PATHWAYS, HEXOSE MONOPHOSPHATE PATHWAY

R01AI-10600-03 Human phagocyte function in health and disease (also animal)

R01AI-10732-03 Pathophysiology and metabolism of the leukocyte (human, guinea pigs)

** R01AM-11748-07 0004 Regulation of metabolic processes - Regulation of pentose phosphate cycle (rats)

R01AM-11748-07 0005 Regulation of metabolic processes - Metabolism of mammary glands (rats)

R22AM-15970-02 Malnutrition and host defense-Leukocyte function (rats, human)

R01AM-16013-03 Enzyme regulation in the hemopoietic system (human)

** R01AM-16721-02 Hexose monophosphate shunt in genetic disease (human)

R01CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)

P02CA-12197-03 0004 Multidisciplinary oncology research center - Metabolism of leukocytes in myeloproliferative disorders (human)

P02CA-12197-03 0014 Multidisciplinary oncology research center - Metabolic and functional capabilities of leukocytes (human)

P02CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)

P02CA-12197-03 0026 Multidisciplinary oncology research center - Pathophysiology and metabolism of the leukocyte (human, guinea pigs)

R01CA-13381-03 Metabolic characteristics of cellular immune response (human)

P01GM-15253-08 0010 Genetics in medicine-Gene action in man - Polymorphism by methods other than electrophoresis

R01GM-20560-01 Anesthesia and pathways of brain glucose oxidation (cattle)

P01HD-05894-04 0008 Genetic childhood diseases and aging - Enzyme mutants in neutrophil dysfunction syndrome (human)

R01HD-06894-02 Study of NBT test in selected childhood disorders

R01HL-13584-03 Platelet preservation related to energy metabolism (human)

P18HL-15999-02 0008 Miami comprehensive sickle cell center - Cyanate effect on host defense-Cellular and humoral (human, guinea pig, rabbits)

PENTOSE PHOSPHATES

SEE PENTOSE, PENTOSE PHOSPHATES

PENTOSE

SEE ALSO PENTOSE PATHWAYS

R01AI-06848-09 Evolution of enzymatic activities (bacteria)

R01AM-10894-08 0008 Genetic metabolic diseases of infancy and childhood - Sugar transport in rat kidney cortex (also rabbits, dogs, human)

P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition

PENTOSE, ARABINOSE

SEE ALSO NUCLEOSIDES, ARABINONUCLEOSIDES

** R01AM-13791-05 L-arabinose transport component in E coli

R01CA-11389-05 Potential drugs related to araC

R01CA-16301-01 0003 What distinguishes water in cancer and normal tissues? - Distribution of non-metabolizable sugars (chicks, rabbit, frog, human)

R01GM-14603-08 Structure and interactions of proteins in solution

** R01GM-14652-08 Genetic control of protein synthesis in E coli

R01GM-18277-04 Action mechanism of arabinose C protein (bacteria)

R01GM-20940-11 Enzyme mechanisms of C-H bond activation (rabbits, yeasts)

R01GM-21371-01 Structure and function of sugar binding proteins (E coli)

PENTOSE, DEOXYRIBOSE

SEE ALSO NUCLEIC ACIDS, DNA

SEE ALSO NUCLEOSIDES, DEOXYRIBONUCLEOSIDES

SEE ALSO NUCLEOTIDES, DEOXYRIBONUCLEOTIDES

R01GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)

PENTOSE, PENTOSE PHOSPHATES

P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)

P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition

R01HL-14978-02 Granulocyte function and metabolism in uremia (human, dogs)

** R01NS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)

** R01NS-12113-01 Pentose phosphate pathway in neural tissue (rats)

PENTOSE, PHOSPHORIBOSYLAMINES

** R01AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)

R01CA-02790-19 Biosynthesis of purines (bacteria)

PENTOSE, RIBOSE

SEE ALSO FLAVIN NUCLEOSIDES, RIBOFLAVIN

SEE ALSO NUCLEIC ACIDS, RNA

SEE ALSO NUCLEOSIDES, RIBONUCLEOSIDES

SEE ALSO NUCLEOTIDES, RIBONUCLEOTIDES

R01AM-09765-09 0005 Regulatory processes in biological systems - Chemotaxis and neurobiology (bacteria)

R01CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)

PENTOSE, RIBOSE PHOSPHATES

SEE ALSO PENTOSE, PHOSPHORIBOSYLAMINES

R01AM-09765-09 0002 Regulatory processes in biological systems - PR-ATP synthetase (salmonella typhimurium)

R01CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)

PENTOSE, RIBOSIDES

R01CA-04175-16 Cell culture studies on drugs and antimetabolites

R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)

P01GM-18153-04 0008 Gene control of mammalian cell differentiation - Synthesis of barbiturate ribotides by brain extracts (rats)

PENTOSE, XYLOSE

** P01AM-05996-13 0014 Biochemistry of connective tissues - Xylosyltransferase in synthesis of chondroitin sulfate (chick embryo, rats)

P02CA-11265-05 0018 General clinical cancer research center - Myeloproliferative syndromes (human)

R01CA-16301-01 0003 What distinguishes water in cancer and normal tissues? - Distribution of non-metabolizable sugars (chicks, rabbit, frog, human)

P01HD-04583-06 0002 Mental retardation research center - Structure of hyaluronic acid

PENTYLENETETRAZOLE

SEE NITROARYLS, AZOLES, PENTYLENETETRAZOLE

PEPSIN

SEE PROTEASES AND PEPTIDASES, PEPSIN

PEPSIN INHIBITORS

SEE ENZYME INHIBITORS, PEPSIN INHIBITORS

PEPSINOGEN

SEE PROTEASES AND PEPTIDASES, PEPSINOGEN

PEPTIC ULCER

SEE GASTROINTESTINAL DISORDERS, PEPTIC ULCER

PEPTIDASE INHIBITORS

SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PEPTIDASES

SEE PROTEASES AND PEPTIDASES, PEPTIDASES

PEPTIDE STRUCTURE

SEE PROTEINS-PEPTIDES STRUCTURE

PEPTIDE SYNTHETASES

SEE ACID-AMINO ACID LIGASES

PEPTIDES

SEE ALSO ACID-AMINO ACID LIGASES

SEE ALSO AMINO ACIDS, N-ACYLAMINO ACIDS

SEE ALSO AMINO ACIDS, N-CARBAMYL AMINO ACIDS

SEE ALSO GLYCOPOLYMERIDES

SEE ALSO NUCLEOPEPTIDES

SEE ALSO PHOSPHOPEPTIDES

SEE ALSO PROTEASES AND PEPTIDASES

SEE ALSO PSYCHOLOGY, LEARNING, BIOCHEMISTRY, MEMORY PEPTIDES

SEE ALSO TOXICOLOGY, PLANT POISONS, HYPOGLYCEM (POISONING)

R01AI-06497-10 A possible cellular role for penicillinase (bacteria)

** R01AI-07515-08 Biochemistry of peptide antibiotics

R01AI-08778-06 Clonal analysis of the immune mechanism (mice)

R01AI-09775-04 Rhinovirus immunology and epidemiology (human, rabbits)

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- ** R01A1-10519-03 Penicillin biosynthesis and related peptide chemistry (fungi)
 R01A1-10551-03 Structural studies of immunoglobulin M (human)
 R01A1-10736-01 Structure and biosynthesis of HLA determinants (mice, rabbits)
 R01A1-11564-02 Alpha toxin—Chemistry and action on membranes (bacteria, mammals)
 R01A1-11973-01 Determination of the antigenic structure of lysozyme
 R01A1-12100-01 Binding sites of myeloma proteins and antibodies (mice)
 R01A1-12470-01 Bacterial flagella—Structure, specificity and control
 R01AM-09149-22 0003 Mucopolysaccharides in skeletal growth disorders - Proteoglycans-collagen interactions
 ** R01AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
 R01AM-01128-18 ACTH, its receptors, antagonists and mode of action (cattle)
 R01AM-01825-16 Mechanism of collagen formation (human, mammals, chickens, marine organisms)
 R01AM-01921-17 Transport processes in mammalian cells (human, rodents)
 R01AM-01940-16 Neurohypophysial regulation of water excretion (rats, cats, fish)
 ** P01AM-03555-15 0005 Coordinated studies in rheumatic diseases - Peptide synthesis
 ** R01AM-07697-11 Chemistry of elastin (cattle, chick embryo, swine)
 R01AM-07957-11 Mechanism of carboxypeptidase action
 R01AM-08354-10 Gastric physiology (human, cats, rats, dogs)
 P01AM-08458-10 0001 Uremia and exchange of ions and water - Factors affecting renal excretion of sodium (dogs, cattle, toads, human)
 P01AM-08681-09 0027 Diseases of liver and portal circulation - Liver failure (dogs, rats, human)
 R01AM-09537-09 Conversion of growth hormone and prolactin (human, dogs)
 R01AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
 R01AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
 R01AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
 R01AM-11528-07 Control mechanisms of biological calcification (rats, human)
 P01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
 R01AM-12129-07 0004 Collagenases and collagen remodeling - Human and animal collagenases (ladpoles, rats)
 ** R01AM-12473-06 Synthetic peptide hormones
 R01AM-13097-07 Bile production (dogs, hamsters, rabbits, rats)
 ** R01AM-13129-07 Pituitary adipokinetic substances (mammals, human)
 ** P01AM-13173-10 0006 Malignant and genetic alterations in human cells - Urinary peptides (human, swine)
 R01AM-13217-06 Secretion and metabolism of prolactin (sheep, rats)
 R01AM-13941-05 Proinsulin secretion and biological activity (human)
 R01AM-14553-04 The role of thyroglobulin in thyroxine biosynthesis
 ** R01AM-14837-04 Studies of a peptide from pancreas (human, chickens)
 R01AM-15410-04 Synthetic and racemization studies in peptide chemistry
 ** R01AM-15507-03 Irreversible inhibition of specific peptide receptors
 ** P01AM-15671-04 0018 The biology of skeletal and other connective tissues - Nature of peptides released from bone (chick embryo)
 ** R01AM-15951-03 Calcium control of PTH and calcemic peptide biosynthesis (human, animals)
 R01AM-16168-03 Human prolactin, growth hormone, and placental lactogen (human, animals)
 ** P01AM-16281-02 0008 Uremia-pathogenesis, effects, and possible prevention - The natriuretic factor—Chemical identification (human)
 R01AM-16457-01 Purification and biochemistry of sulfation factor
 R01AM-16478-02 Molecular heterogeneity of human skin collagen
 P01AM-16516-03 0002 Biochemistry of normal and diseased connective tissue - Synthetic peptides as models for collagen
 ** R01AM-16529-01 New diabetogenic peptide from human pituitary glands (human, rabbits and rats)
 R01AM-16582-02 Lanthanide ions as probes of protein structure
 R01AM-16735-01 Tritiated peptides/proteins in endocrine biochemistry
 R01AM-16842-01 Biosynthesis of red cell membrane proteins (rabbits)
 R01AM-16875-01 Biologic properties of basic gastrin (dogs)
 R01AM-16879-01 Neuro-endocrine studies in cell culture system (mice)
 P17AM-17026-01 0009 Vanderbilt University Diabetes-Endocrinology Center - Glucagon structure-activity relationships
 ** P17AM-17026-01 0022 Vanderbilt University Diabetes-Endocrinology Center - Synthesis and secretion of peptide hormones
 ** P17AM-17026-01 0028 Vanderbilt University Diabetes-Endocrinology Center - Nature and origin of somatomedin
 P17AM-17026-01 0036 Vanderbilt University Diabetes-Endocrinology Center - Insulin inhibition of insulin secretion in normal man
 ** P17AM-17026-01 0040 Vanderbilt University Diabetes-Endocrinology Center - Inactivation of peptide hormones by target cell membranes (rats)
 P01AM-17110-07 0009 Program project in biomaterials calcified tissue - Conformation of the alpha-1(I)peptide
 R01AM-17253-01 Structural proteins in genetic defects of epidermis
 ** R01AM-17574-01 Fluxes across biomembranes and peptide hormone action (rats)
 ** R01AM-17634-01 Endocrine aspects of peptide hormone metabolism (rats, primates)
 ** P02CA-05826-13 0047 Clinical cancer research center - Medical and metabolic studies-growth hormone peptides in man
 P02CA-05826-13 0057 Clinical cancer research center - Enzyme treated bovine growth hormone
 P01CA-08748-09 5301 Research program of Sloan-Kettering Institute - Physiologically active peptide of bovine growth hormone (human)
 R01CA-12528-03 Hydroxylamine derivatives
 R01CA-12646-03 Abnormal metabolism of cancer patients
 P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
 R01CA-13199-03 Synthesis and reactions of alkylating agents
 R01CA-13459-02 Synthesis of azotomycin and related peptides
 R01CA-14312-01 Hepatocellular growth—in vitro system (rats)
 ** R01CA-15056-01 Antineoplastic peptides from urine
 R01CA-16153-01 Basic approach to improved antifolate cancer therapy
 P13DE-02668-08 0009 Dental research center - Mineral metabolism (mammals, nonhuman)
 P13DE-02670-08 Institute of Dental Research
 P01DE-02849-06 0032 Mechanism and treatment of periodontal disease - Nature of peptides released from bone during collagen biosynthesis
 P10ES-00210-07 0016 Center for environmental management - Interaction of pollutant metal ions with proteins
 R01EY-01275-01 Rhodopsin structure and function (cattle)
 ** R01FD-00590-01 Peptide-based sweetening agents
 ** R01GM-02907-23 ACTH and related peptides (rats, rabbits)
 ** R01GM-07966-14 Chemistry of unsymmetrical aliphatic disulfides
 R01GM-08347-14 Function of molybdenum in biological systems
 ** R01GM-09396-13 Peptide antibiotics and bacterial sporulation
 ** R01GM-13453-09 Synthesis and reactions of peptides
 ** P01GM-13901-08 0003 Analytical biochemistry for human studies - Mass spectrometry of peptides (mammals)
 ** R01GM-13980-10 New methods of peptide synthesis
 P01GM-15003-13 0013 The biological functions of metals - Intracellular enzyme inhibitors (human, E. coli, plants)
 ** P01GM-15423-07 0043 Molecular basis of control mechanisms - Peptide models
 R01GM-16509-06 Mass spectrometry in biomedical research
 R01GM-18326-04 Microenvironmental geometry of C-C lyase sites (Pseudomonas, E. coli)
 ** R01GM-18682-03 Mammalian peptide termination-mechanism and suppression (hamsters, viruses)
 ** R01GM-18752-03 Solid-phase peptide synthesis (animals)
 ** R01GM-18756-03 New synthetic and analytical methods for peptides
 R01GM-18983-03 Models for metalloproteases
 R01GM-19312-03 Characterization of host-specific toxins (fungi, oats)
 R01GM-19775-02 Activation of molecular oxygen by metal peptides
 R01GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
 ** R01GM-20793-01 Negative ion studies of bioorganic molecules
 R01GM-21093-01 Transition state models of protein synthesis
 N01HB-42982-03 Interaction of natural and modified collagen with platelets
 N01HB-42984-00 Interactions of modified biopolymers with blood (human)
 ** R01HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
 R01HD-03726-08 Human pituitary gonadotrophins (also rats)
 R01HD-05136-04 Generation of pattern and form in biological systems
 R01HD-06351-03 Neurohypophysial hormones—Structure-activity and phyta
 ** N01HD-22713-03 Structure-activity of LH and FSH-releasing peptides (animals)
 R01HL-05285-14 Biosynthesis of plasma lipoprotein (rats)
 P01HL-05435-14 0022 Cardiovascular research and training program - Anesthesia research laboratory (human)
 P01HL-11310-08 0043 Mechanisms of cardiovascular disease - Molecular biophysics
 R01HL-12759-05 Fibrin formation—Molecular basis and regulation (human, cattle)
 R01HL-13598-03 Prothrombin activation (human, cattle)
 ** P17HL-14217-04 0023 Specialized center of research in thrombosis - Peptides produced by plasmin digestion of fibrinogen
 ** P17HL-14217-04 0024 Specialized center of research in thrombosis - Solid phase synthesis of fibrinopeptides (human)
 P17HL-14236-04 0003 Prevention of premature arteriosclerosis - Intravascular clotting in patients with hyperlipidemia
 P01HL-14322-03 0004 Interdisciplinary program in biomaterials science - Intravascular coagulation in relation to artificial surfaces in vivo
 ** R01HL-14590-03 Biologically important transition metal complexes
 R01HL-14657-03 Chemical events occurring in prothrombin activation (human)
 R01HL-15263-02 Lipopeptide and enzyme radioimmunoassay (human)
 R01HL-15308-02 Assays for peptides of lipoproteins (human)
 ** P01HL-15486-02 0001 Studies on thrombosis - Studies on chemistry of fibrinogen (human)
 ** R01HL-15697-02 Circulatory system effects of angiotensin analogs (rats)
 ** R01HL-15771-01 Amphiphilic cyclodepsipeptides
 P01HL-16126-01 0003 Atherosclerosis, coagulation and thrombosis - Clotting factors related to the initiating reactions (cattle, human)
 R01HL-16320-02 0003 Vasoactive peptides which stimulate smooth muscles - Kinase-converting enzyme (rats)
 R01HL-16841-01 The interaction of blood platelet membrane and fibrin (rabbits, chickens)
 R01HL-16895-01 Particulate prolyl hydroxylation in lung (rats)
 R01NS-02763-14 Molecular association of barbiturates in crystals
 R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
 R01NS-10429-03 Microtubule protein in the developing nervous system (chickens)
 N01RR-00030-13 0109 General clinical research center - Adrenal and extra-adrenal effects of ACTH and related peptides (human)
 ** N01RR-00039-14 0052 General clinical research center - Biologically active peptides in animal tissues (monkeys, cattle)
 N01RR-00055-13 0107 General clinical research center - C-peptide as indicator of insulin secretion in diabetes (human)
 ** P07RR-00267-09 0124 Biomedical data processing unit - Structural principles in globular proteins
 ** N01RR-00349-08 0012 General clinical research center - Streptokinase treatment (human)
 P07RR-00356-08 Physical sciences instrumentation facility
 ** P07RR-00639-01 0001 Interdepartmental NMR facility health center - Polypeptide hormones and conformations of biologically important molecules
 N01RR-00645-03 0029 Clinical research center - Clinical applications of antibodies to artificial antigens (human, sheep, dogs)
 P07RR-00757-02 0017 Implementation of laboratory automation system - Analysis of chemical properties of desipeptides
 ** P07RR-00757-02 0018 Implementation of laboratory automation system - Prediction of peptide secondary structure from primary structure
 N01RR-00828-01 0004 General clinical research center - Renal stones (human)
 P07RR-00862-01 Mass spectrometric bio-technology resource
PEPTIDES, ANSERINE
 R01NS-08287-05 Metabolism of carnosine and other histidyl compounds (tuna, fish, mice, human)
PEPTIDES, CARNOSINE
 SEE ALSO PEPTIDES, HOMOCARNOSINE
 SEE ALSO PROTEASES AND PEPTIDASES, CARNOSINASE
 R01CA-02568-20 0003 Free amino acids in normal and neoplastic tissues - Imidazole compounds (ocean fish, mice)
 ** R01NS-08287-05 Metabolism of carnosine and other histidyl compounds (tuna, fish, mice, human)
PEPTIDES, CYCLIC PEPTIDES
 SEE ALSO PEPTIDES, ANSERINE

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- SEE ALSO PEPTIDES, CARNOSINE
SEE ALSO PEPTIDES, HOMOCARNOSINE
R01AI-09580-04 Microbial metabolism of hydroxylamino compounds (fungi)
R01AM-02493-16 Purification and structure of active principles
** R01AM-07300-12 Peptides and proteins
** R01AM-10794-08 Synthesis of oligopeptides and cyclic peptides
** R01AM-11493-08 Theoretical studies on protein structure
R01AM-15964-03 Biopolymer chain conformations
** R01GM-14069-09 Conformation and association of peptides
R01GM-18694-03 Conformation of biopolymers and peptide hormones
R01GM-19684-02 Ionophores, transport, and membrane structure
R23HL-17184-01 Elastin synthesis by cultured lung cells (mice, rabbits, human)

PEPTIDES, DIPEPTIDES

- SEE ALSO PROTEASES AND PEPTIDASES, DIPEPTIDASES
** R01AM-15861-03 Intestinal transport of dipeptides in man
R01CA-10653-07 The synthesis of quinoxaline antibiotics
R01GM-10828-20 Structure of biologically important compounds
M01RR-00073-12 0068 General clinical research center - Prolidase defect—Effect of diet on urinary excretion of amino acids (human)

PEPTIDES, GLUTATHIONE

- R01AI-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)
R01AM-09582-11 Pharmacology of intestinal bile salt transport (human, rodents)
R01AM-11748-07 0004 Regulation of metabolic processes - Regulation of pentose phosphate cycle (rats)
R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
R01AM-17113-01 5-Oxoproline, aminoacidurias and mental retardation (human, rats, mice, dogs)
P02CA-05831-13 0038 Cancer clinical research - Biochemical basis of varying drug toxicity (human)
R01CA-08348-10 Biochemistry of procabazine and related hydrazines (rats)
R01CA-10979-06 Glyoxalase inhibitors as potential anticancer agents (bacteria, mice)
R01CA-11850-04 Comparative enzymology of the glyoxalase system
R01CA-11929-04 Leukocyte turnover in acute leukemia and leukopenias (human)
R01CA-12928-03 Epoxide hydrazide—Drug toxicity and carcinogenicity (guinea pigs, rats)
** P01ES-00044-10 0002 Mechanisms of pesticide action - Molecular basis for comparative toxicity (insects, mammals nonhuman)
R01ES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)
** R01EY-00131-04 Relation of transport to metabolism of glutathione (rats)
R01EY-00170-05 Metabolism of the normal and abnormal ocular lens (rats, rabbits, mice)
** P01EY-00396-07 0023 Basic ophthalmic research program - Lens proteins and glutathione
R01EY-00484-07 Intraocular transport (rabbits, rats, sheep)
** R01EY-00699-04 Intermediary metabolism of the cornea (rabbits)
R01EY-00703-04 Biochemical studies in normal and cataractous lenses (human, rabbits)
** R01EY-01197-01 Glutathione metabolism in ocular tissue (rabbits)
R01GM-18451-03 Mechanism studies of enzymic cis-trans isomerization (bacteria)
R01HD-04532-05 Developmental enzyme formation in mammalian tissues (rats, chickens)
R01HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)
** R01HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
** R01HL-12972-05 Glutathione deficiency in rod cells (sheep)
P17HL-14179-04 0020 Center for the study of lung disease - Mechanisms of oxidant lung injury—Effects of lipid peroxides (mammals)
P18HL-15157-03 0012 Comprehensive sickle cell disease center - Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human)
R01HL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke
R01NS-09042-05 Presynaptic basis of neuromuscular transmission (rats)
R01NS-11018-01 Gamma-glutamyl cycle, brain amino acid uptake and drugs (rats, mice)
R01NS-11170-02 Mechanism of action of peptide neurotransmitter model (Hydra)
R01NS-11171-02 Mechanism of action of peptide neurotransmitter model (Hydra)
R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)

PEPTIDES, GLUTATHIONE ANALOGS

- R01CA-10979-06 Glyoxalase inhibitors as potential anticancer agents (bacteria, mice)
R01NS-11170-02 Mechanism of action of peptide neurotransmitter model (Hydra)
R01NS-11171-02 Mechanism of action of peptide neurotransmitter model (Hydra)

PEPTIDES, HOMOCARNOSINE

- R01CA-02568-20 0003 Free amino acids in normal and neoplastic tissues - Imidazole compounds (ocean fish, mice)

PEPTIDES, HOMOPEPTIDES

- R01AI-06710-07 Specificity of antibodies and phytohemagglutinins (rabbits)
R01AI-09352-05 Chemistry and biosynthesis of cell-surface polymers (bacteria)
R01AI-11970-01 Complement fixation using synthetic IGG1
R01AM-15778-03 Iodine metabolism and thyroxine biosynthesis (cattle, rats)
R01GM-13684-08 Structures of optically active macromolecules
R01NS-10977-02 Carbon-13 NMR studies on dynamics of biological systems (human, chickens)

PEPTIDES, HOMOPEPTIDES, ASPARTYL

- R01HD-02761-07 Growth and development of adipose tissue (rats, mice)
P01HL-06350-13 0014 Hemostasis research program project - Biochemical genetic studies of hemophilia (dogs)

PEPTIDES, HOMOPEPTIDES, GLUTAMYL

- R01AM-08171-11 Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms)
R01AM-17113-01 5-Oxoproline, aminoacidurias and mental retardation (human, rats, mice, dogs)
** R01CA-03728-17 0007 Metabolism of normal and leukemic leukocytes - Synthesis and degradation of pteroylpolylglutamates (rats)
R01CA-16048-01 Cancer chemotherapy—Gammaglutamates of methotrexate (mice)
P01CA-16359-01 0013 Cancer center support grant - Nonenzyme and enzyme-catalyzed transmethylation
R01GM-13116-09 Kinetic investigation of biochemical reactions
P01HL-06350-13 0014 Hemostasis research program project - Biochemical genetic studies of hemophilia (dogs)
R01MM-21042-03 Folic acid and behavior
M01RR-00032-14 0049 General clinical research center - Folic acid turnover in man

PEPTIDES, HOMOPEPTIDES, LYSINE PEPTIDES

- R01AI-11983-01 Induction of cellular immunity to haptens
P01CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
R01GM-13914-09 0002 Macromolecules of circulatory and genetic importance - Antibody hapten systems (rabbits)
P01HD-05796-03 0004 Aging in connective tissue, brain and auditory system - Connective tissue proteins (dogs, rats, chickens)
R01HL-10641-08 Role of platelet lipids in arterial thrombosis (human)

PEPTIDES, HOMOPEPTIDES, TYROSYL

- P01CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)

PEPTIDES, OLIGOPEPTIDES

- SEE ALSO PROTEASES AND PEPTIDASES, OLIGOPEPTIDASES
R01AI-05664-11 Structure of immunologic determinants of proteins (rabbits, birds, rodents)
R01AI-06710-07 Specificity of antibodies and phytohemagglutinins (rabbits)
R01AI-07825-08 0001 Immunological studies with synthetic polypeptides - Antigenic determinants in polymers of amino acids (rabbits, sheep)
** R01AI-09684-05 Synthetic hapten-oligopeptides as model antigens (guinea pigs)
** R01AM-10336-09 Peptide utilization (bacteria)
** R01AM-10794-08 Synthesis of oligopeptides and cyclic peptides
R01AM-15682-03 Specificity and mechanism of thyroid peroxidase (cattle)
R26CA-15315-02 0003 Control of bladder cancer - Prevention of bladder cancer by promotion inhibitors (rats)
R01EY-00131-04 Relation of transport to metabolism of glutathione (rats)
** R01GM-05472-16 MS methods in protein and nucleic acid chemistry
** R01GM-12152-10 Metal ion transfer and catalysis in peptide complexes
P01GM-13901-08 0003 Analytical biochemistry for human studies - Mass spectrometry of peptides (mammals)
** R01GM-14069-09 Conformation and association of peptides
R01GM-18694-03 Conformation of biopolymers and peptide hormones
** R01GM-19311-03 Synthesis, conformation, and mode of action of tenoixin (plants)

- R01GM-19336-03 X-ray studies on biologically important molecules (fungi, plants)
** R01GM-19645-02 Synthesis and conformation of cyclic tetrapeptides
R01HL-01682-21 Equilibria in the fibrinogen-fibrin conversion (human, cattle)
R01HL-13160-04 Specific labeling and sequencing of human thrombin

PEPTIDES, POLYPEPTIDES

- R01AI-01171-17 Phagocyte migration and blood bactericidal activity (rabbits)
R01AI-01254-18 Cellular immune response—Nature of transfer factor (human, mice)
R01AI-02032-17 Nucleic acids of herpesvirus infected cells (hamsters)
R01AI-05231-10 Synthesis of viral and gammaglobulin proteins
** R01AI-05664-11 proteins (rabbits, rodents)
R01AI-05669-11 Complex molecular synthesis (cockroach, plants)
R01AI-06864-09 and immunity
R01AI-07140-09 Translation and replication of RNA containing viruses
R01AI-07713-08 Secretory immunologic system (ferrets, rats, sharks)
M R01AI-07825-08 Immunological studies with synthetic polypeptides
R01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
R01AI-08499-07 Cell cooperation in the immune response (rodents, rabbits)
R01AI-09492-14 Interactions of immunoglobulins (human, rats, rabbits)
R01AI-09652-05 Product analysis to assess lymphoid cell potential (rabbits)
R01AI-09706-04 Rabies and rabies virus antigens (rodents)
R01AI-09865-04 Biochemistry of the hydatid organisms (rats)
R01AI-09920-04 Immunological responsiveness (mice, guinea pigs)
R01AI-10216-04 Studies of cell and virus protein
R01AI-10243-04 Control of gene expression in viral infection
** R01AI-10611-04 Chemical, genetic and cellular aspects of immunogenicity (rats)
R01AI-10664-09 Structure and function of immunoglobulins (human)
** R01AI-10810-08 Structural studies on immunoglobulins (rabbits)
** R01AI-10854-03 J chain of human pathologic immunoglobulins
** R01AI-10884-03 Influenza virus structure, biosynthesis, and assembly
R01AI-10996-02 Respiratory syncytial virus assembly and maturation
R01AI-11325-02 Molecular interrelationships among AAV proteins (guinea pigs)
R01AI-11405-02 Synthetic antigens (rodents, goats)
R01AI-11644-01 Streptolysin O action on mammalian cell membranes
R01AI-11658-01 Polypeptide cleavage during EMC virus synthesis
R01AI-11788-04 Responses to rubella virion and subunit vaccines (human, monkeys, rabbits)
** R01AI-11806-02 Function and biosynthesis of J chain (human)
** N01AI-42510-01 Isolation and purification of polypeptide antigens of influenza virus
R01AM-01229-18 Nature of human anti-gamma globulins (also mice)
R01AM-01260-18 Synthetic enzymes and solid phase peptide synthesis
R01AM-01845-17 Enzymic mechanisms in biosynthesis (bacteria, shrimp)
** R01AM-03416-15 Synthesis and chemistry of oriented peptides
** P01AM-03555-15 0004 Coordinated studies in rheumatic diseases - Structure and function of immunoglobulin M and its subunits (human)
P01AM-03564-15 0013 Mesenchymal tissues and their diseases - Collagenous structures destruction in rheumatoid arthritis
R01AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
R01AM-05924-14 Chemistry of keratins and their precursors (rats, frogs, human)
R01AM-06838-12 Biosynthesis of keratin (human, rats, mice)
R01AM-08066-10 Peptide hormone analogs (guinea pigs, rats, dogs)
R01AM-10833-08 Structure of collagen (bacteria, mice, human)
R01AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
R01AM-13248-06 Chemistry of sickle cell anemia variants (human)
R01AM-13587-04 Structure activity of human thyrocalcitonin

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- ** R01AM-13743-05 Motion and proximity relations in polypeptides
 R01AM-13820-05 Isolated adenohypophysial cells (rats)
 ** R01AM-13914-05 Proinsulin studies (human, animals)
 R01AM-13945-05 Differentiation and immunology of erythropoiesis (chick embryo)
 R01AM-14496-03 Interaction of parathyroid hormone with bio-membranes (rats)
 R01AM-14610-04 Transport of macromolecules across cells and membranes (rabbits, rats)
 R01AM-15509-03 Mechanism of action of ACTH and insulin (rats)
 P01AM-15671-04 0006 The biology of skeletal and other connective tissues - Homogeneous polypeptides containing O-phosphoserine (cattle)
 ** P01AM-15671-04 0007 The biology of skeletal and other connective tissues - Synthesis of phosphorylated polypeptides of enamel (rats)
 P01AM-15671-04 0008 The biology of skeletal and other connective tissues - Enamel proteins-chemistry and structure (cattle)
 ** P01AM-15671-04 0035 The biology of skeletal and other connective tissues - Amino acid sequence of two phosphorylated polypeptides (cattle)
 P01AM-15671-04 0042 The biology of skeletal and other connective tissues - Lability of aldimine crosslinks on dissolution of chicken bone collagen
 R01AM-16269-01 Intestinal uptake of macromolecules (rats)
 R01AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
 ** R01AM-16826-01 Mechanisms of polypeptide hormone action
 P17AM-17026-01 0002 Vanderbilt University Diabetes-Endocrinology Center - Epidermal growth factor (mice)
 P17AM-17026-01 0019 Vanderbilt University Diabetes-Endocrinology Center - Structure of collagen
 P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation
 ** P17AM-17026-01 0037 Vanderbilt University Diabetes-Endocrinology Center - Purification and properties of somatomedin
 ** P01AM-17110-07 0007 Program project in biomaterials calcified tissue - Polypeptide synthesis
 P01AM-17110-07 0008 Program project in biomaterials calcified tissue - Circular dichroism
 ** P01AM-17110-07 0012 Program project in biomaterials calcified tissue - Mucopolysaccharide-polypeptide interactions
 R01AM-17497-01 NMR relaxation in polypeptide liquid crystal
 ** R01AM-17554-01 0001 The IgA of globulins of serum and external secretions - Structure and binding of J chain (human, rabbits)
 ** R01AM-17554-01 0007 The IgA of globulins of serum and external secretions - H chain disease
 R01AM-17632-01 Neurophysiological control of GI motility (guinea pigs, rats, rabbits)
 ** R01AM-80709-09 Synthetic polypeptides as hemodialysis membranes (human, animals)
 R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
 R01CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)
 ** R01CA-08662-09 Structure of picornaviruses and leukoviruses (mice)
 P02CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
 R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
 R01CA-11656-04 Chemical nature of ligand binding sites of myeloma proteins (human, mice, rabbit)
 P01CA-12227-04 0004 Core program in carcinogenesis - HeLa S-3 cell histone messenger RNA
 P01CA-12227-04 0019 Core program in carcinogenesis - Metabolism of nuclear proteins in dividing cells (human, mice)
 R01CA-12323-04 Biochemistry of RNA tumor virus replication
 R01CA-12705-03 Replication and cellular transformation (chickens)
 P01CA-12708-03 0001 Studies of normal and malignant growth - Phosphorylation of human erythrocyte membrane proteins
 P01CA-12708-03 0002 Studies of normal and malignant growth - Ribosome structure and function (human, rats, rabbits, microorganisms)
 R01CA-13008-03 Control of protein synthesis in viral oncogenesis
 R01CA-13075-03 Hypercalcemic factor of VX-2 carcinoma (rabbits)
 P01CA-13106-03 0004 Cold Spring Harbor laboratory cancer research center - Molecular genetics section
 P01CA-13330-03 0037 Cancer research program - Cell structure and metabolism (human, tissue culture)
 P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
 ** R01CA-13402-03 Surface membranes in normal and cancer cells (human)
 R01CA-14311-02 RNA-envelope virus formation in animal cells
 ** P01CA-14733-02 0016 Control of gene expression, virus replication and cell growth - Mangovirus proteins from large precursor polypeptides (human)
 R01CA-15071-01 Translation products of the RNA tumor virus genome
 R01CA-15129-01 A serum immunosuppressive factor in cancer (human, mice)
 R01CA-15512-01 RNA tumor virus structure and biogenesis
 R01EY-00422-06 Fluorescent derivatives of tyrosine in cataract lens (human, rabbits)
 R01FD-00712-01 Structure-toxicity relationship of betulinol toxins
 R01GM-09280-13 Stability of hydrogen bonds in proteins
 R01GM-10356-11 Immunogenetics of man (and rabbits, mice)
 ** R01GM-10880-15 Optical rotatory power of biopolymers
 R01GM-10906-13 Statistical mechanics of biological macromolecules
 R01GM-11741-09 Primary redox changes in photosynthesis (bacteria)
 ** R01GM-13116-09 Kinetic investigation of biochemical reactions
 ** R01GM-13684-08 Structures of optically active macromolecules
 R01GM-13925-09 Structural studies on malate dehydrogenases (swine, sheep)
 P01GM-15423-07 0039 Molecular basis of control mechanisms - Circular dichroism of macromolecules
 P01GM-15904-07 0002 Anesthesiology center for research and teaching - Anesthetics and non-enzyme proteins, polypeptides and cellular components
 R01GM-16449-06 Iron-sulfur coordination and protein chemistry
 R01GM-17020-06 Genetic control of bacteriophage development
 ** R01GM-17533-13 Protein and nucleic acid model studies (E.coli)
 ** R01GM-17612-05 Polypeptide products of lac operon mutations (E coli)
 R01GM-17850-05 Optical properties of biological macromolecules
 ** R01GM-18694-03 Conformation of biopolymers and peptide hormones
 R01GM-19195-02 RNA sequence analysis and base-specific antibodies
 R01GM-19256-03 Biologically related iron-sulfur chemistry
 R01GM-19267-03 Hydration of macromolecules (bacteria, viruses)
 R01GM-19410-03 Molecular genetics of membrane assembly in Neurospora
 R01GM-19464-03 Ultrastructure and biochemistry of contractile ring (plants, animals, human)
 P01GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
 R01GM-19684-02 Ionophores, transport, and membrane structure
 R01GM-19839-02 Genetic and biochemical study of a multienzyme complex (bacteria)
 R01GM-20064-02 Properties of alpha-helix-forming substances
 R01GM-20114-01 Regulation of protein synthesis in growth transitions
 R01GM-20277-02 Attachment of ribosomes to microsomal membranes (rats)
 R01GM-20784-01 Regulation of RNA synthesis (B. subtilis, phages)
 P01GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
 P01GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
 P01GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
 R01GM-21060-01 Membrane-bound ribosomes in chloroplasts and bacteria
 R01GM-21168-01 The control, assembly and termination of proteins (viruses, bacteria, mice)
 R01GM-21342-01 Channel-mediated ion transport across lipid bilayers
 P01HD-05077-05 0013 Reproductive biochemistry and medicine - Tritium labeled polypeptide and protein hormones (rats, human)
 ** R01HD-05697-02 A polypeptide influencing ovarian function (rodents)
 R01HD-07850-01 Development of immediate hypersensitivity (human, rats)
 ** R01HL-02965-18 Metabolism of plasma lipoproteins
 R01HL-04385-15 Distribution and function of the isopeptide bond
 R01HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
 R01HL-06221-13 0003 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins in animals
 P01HL-06285-14 0215 Cardiovascular-respiratory physiology and biochemistry - Conformation of biopolymers
 ** P01HL-06308-14 0023 Mechanisms and therapy of circulatory disease - Polypeptides and heart mitochondrial structure and function (rats)
 R01HL-11445-06 Genetic regulation of hemoglobin synthesis in Artemia
 R01HL-11822-06 Biophysical studies on macromolecular interactions (microorganism, plant, mammal)
 R01HL-12462-05 Pharmacologic studies on vascular smooth muscle (dogs, rats)
 R01HL-12707-04 Mechanism of renal circadian cycles (human, dogs, rabbits, guinea pigs)
 R01HL-13111-03 Primary process of modified heme-oxygen interactions
 P17HL-14142-04 0008 Coagulation and cells in thrombosis and hemostasis - Structural-functional properties of fibrinogen chains
 ** P17HL-14152-04 0005 Pulmonary specialized center of research - Fibrinopeptides in respiratory distress syndrome (human, rabbits)
 P17HL-14236-04 0004 Prevention of premature arteriosclerosis - Plasma lipoproteins (human, rats)
 P17HL-14237-04 0003 Arteriosclerosis center - Subunit structure, composition of apolipoprotein in hyperlipoproteinemic man
 P17HL-15062-03 0002 Study of lipoproteins, artery wall, and atherosclerosis - Serum lipoproteins-Spin label methods (human, monkeys)
 P17HL-15062-03 0004 Study of lipoproteins, artery wall, and atherosclerosis - Interactions of serum lipoproteins - lipoprotein lipase (human, animals)
 ** P17HL-15062-03 0013 Study of lipoproteins, artery wall, and atherosclerosis - Radioimmunoassay for lipoprotein polypeptides (human, monkeys)
 P17HL-15062-03 0014 Study of lipoproteins, artery wall, and atherosclerosis - Clinical studies of dyslipoproteinemia and myocardial infarct (human)
 P18HL-15157-03 0016 Comprehensive sickle cell disease center - Comparison of sickle and normal membranes (human)
 P18HL-15169-03 0004 Comprehensive sickle cell disease center - Chemistry of sickle cell anemia variants (human)
 ** P18HL-15170-03 0017 Comprehensive sickle cell disease center - Control of hemoglobin synthesis and modification of hemoglobin phenotype (human)
 P01HL-15195-01 0001 Program project in biological materials - Design and synthesis
 R01HL-15336-01 Lipoprotein lipase and related lipolytic activities (human)
 R01HL-15491-02 Blood coagulation-Platelet-plasma protein interaction (human, rabbit)
 R01HL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)
 R01HL-15690-02 Hydrolytic enzymes of blood in health and disease (primates)
 R01HL-16101-01 Protein-lipid interaction (bacteria)
 R01HL-16111-01 Integrated regulation of myocardial energy metabolism (rats, guinea pigs)
 R01HL-16934-01 Acquisition of native conformation of protein (human, cattle)
 P01MH-16674-06 0033 A program of psychiatry-oriented biological research - Translational control of protein synthesis in the CNS (rats)
 R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
 R01NS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
 R01NS-07869-09 Regulation of cerebral protein synthesis (rats)
 R01NS-11323-01 Purified acetylcholine receptor
 M01RR-00034-14 0081 General clinical research center - Role of gastric inhibitory polypeptide in abnormal states (human)
 M01RR-00305-08 0011 Clinical research center for children - Proinsulin metabolism in juvenile diabetes
PEPTIDES, POLYPEPTIDES FIBERS
 ** P01HD-05796-03 0004 Aging in connective tissue, brain and auditory system - Connective tissue proteins (dogs, rats, chickens)
PEPTIDES, TRANSEPTIDATION
 R01A-09752-25 Heterogeneity of immunoglobulins and other proteins (rabbits)
PEPTIDES, UNNATURAL PEPTIDES
 SEE ALSO ENZYMES, UNNATURAL ENZYMES
 SEE ALSO PEPTIDES, HOMOPEPTIDES
 R01AI-11970-01 Complement fixation using synthetic IGG1
 R01AM-01260-18 Synthetic enzymes and solid phase peptide synthesis
 ** R01AM-08465-09 Interactions in synthetic polyamine acids
 ** R01AM-10794-08 Synthesis of oligopeptides and cyclic peptides
 R01AM-13743-05 Motion and proximity relations in polypeptides
 R01GM-10880-15 Optical rotatory power of biopolymers
 R01GM-13684-08 Structures of optically active macromolecules
 ** R01GM-14069-09 Conformation and association of peptides (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has sub-projects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-17533-13 Protein and nucleic acid model studies (Ecoli)
 R01GM-17850-05 Optical properties of biological macromolecules
 R01GM-18298-03 Dielectric and NMR studies of proteins (cell lines)
 ** R01GM-18694-03 Conformation of biopolymers and peptide hormones
 R01GM-18871-07 Physical chemistry of proteins in salt solutions (human, cattle)
 ** R01GM-20064-02 Properties of alpha-helix-forming substances
 R01HL-13111-03 Primary process of modified heme-oxygen interactions

PEPTIDES, VASOACTIVE PEPTIDES

SEE ALSO PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN

- P01AM-08681-09 0027 Diseases of liver and portal circulation - Liver failure (dogs, rats, human)
 ** R01AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
 R01AM-15564-03 0002 Secretion and hormonal integration of exocrine organs - Integrative action of GI hormones on motor function (human, guinea pigs)
 R01HL-10927-09 Fluid regulation-Volume control (dogs)
 R01HL-11391-07 Experimental basis for shock therapy (rats, human)
 ** P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
 P01HL-14388-03 0032 Regulation of the circulation in pathological states - Oxygen consumption of vascular segments, response to adrenergic stimuli (animals)
 ** R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
 R01HL-16320-02 0001 Vasoactive peptides which stimulate smooth muscles - Evolution of plasma kinin system (animals)
 R01HV-71443-09 Myocardial infarction research unit
 M01RR-00128-10 0034 General clinical research center for children - Plasma vasopermeability factors

PEPTIDES, VASOACTIVE PEPTIDES, ANGIOTENSIN

- R01AM-01588-18 Metabolism of antidiuretic hormone (dogs, rats)
 R01AM-01940-16 Neurohypophysial regulation of water excretion (rats, cats, fish)
 R01AM-05077-13 Renal tubular reabsorption of sodium and water (dogs)
 R01AM-05318-13 Pituitary-adrenal physiology and pharmacology (human)
 P02AM-05630-12 0001 Metabolic unit for the Department of Medicine - Control of urate secretion in hypertension (human)
 ** P02AM-05630-12 0012 Metabolic unit for the Department of Medicine - Physiology of renin, angiotensin and vasopressin in obesity (human)
 ** R01AM-06704-12 0001 Neural and humoral control of endocrine function - Changes in adrenocortical sensitivity to angiotensin and ACTH (dogs)
 R01AM-08066-10 Peptide hormone analogs (guinea pigs, rats, dogs)
 P02AM-08657-10 0001 Clinical metabolic research unit - Mechanisms regulating adrenal secretion in man
 R01AM-08695-10 Renal micropuncture studies of acute renal failure (rats)
 ** R01AM-11061-09 The juxtaglomerular complex (dogs, mice, rats, fish, human)
 R01AM-12027-07 Mechanisms regulating adrenocortical secretion (human, rats)
 R01AM-13845-05 Water and electrolyte movement in renal tubules (rats, frogs)
 R01AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
 P01AM-15512-03 0008 University of Wisconsin program project in nephrology - Kidney preservation (dogs, human)
 R01AM-16175-03 Secretion of vasopressin (human, dogs)
 R01AM-16409-01 Intrarenal heterogeneities in short-nephron disorder (human, rats, dogs)
 P01GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
 P11GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monamines (human)
 P11GM-15431-08 0046 Research center for clinical pharmacology and drug toxicology - Prostaglandins production in the kidney and egress to urine (dogs, human)
 R01GM-16133-07 0003 Immobilized enzymes to analyze and alter metabolism - Immobilized antibody for radioimmunoassays (mammal)
 P01GM-18674-03 0001 Diagnostic radiology research and training center - Renal perfusion and vascular reactivity in normal and hypertensive man
 P01GM-18674-03 0002 Diagnostic radiology research and training center - Intrarenal hemodynamics in acute oliguric renal failure (human)
 P01GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)

- P01GM-18674-03 0006 Diagnostic radiology research and training center - Mediators of renal vasoconstriction (chicks, rat, human)
 R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
 ** P01HD-07110-02 0015 Biomedical center for population research - Conversion of angiotensin I to angiotensin II
 R01HL-02008-20 Pathogenesis of arterial hypertension (rats, rabbits)
 R01HL-02493-17 Kidney function in experimental heart failure (human, dogs)
 R01HL-03303-17 Factors regulating electrolyte excretion by the kidney (human, dogs)
 R01HL-04868-14 Physiological studies on the isolated perfused kidney (rabbits)
 P01HL-06285-14-0146 Cardiovascular-respiratory physiology and biochemistry - Pathogenesis and detection of hypoxic pulmonary edema (human, animals)
 ** P01HL-06308-14 0023 Mechanisms and therapy of circulatory disease - Polypeptides and heart mitochondrial structure and function (rats)
 P01HL-06308-14 0027 Mechanisms and therapy of circulatory disease - Regulation of vasopressin (human, animals)
 P01HL-06349-13 0007 Cardiovascular disease clinical program project - Follow up of 1000 physicians and nurses
 M P01HL-06835-13 Cardiovascular disease
 P01HL-06835-13 0001 Cardiovascular disease - Mechanisms of hypertension (human, dogs)
 ** P01HL-06835-13 0002 Cardiovascular disease - Renin-angiotensin system (human, mammals)
 ** P01HL-06835-13 0007 Cardiovascular disease - Mechanisms of experimental renal hypertension
 P01HL-07299-13 0071 Hypertension, shock and circulatory failure - Mineralocorticoid hypertension (human, rats)
 P01HL-07299-13 0072 Hypertension, shock and circulatory failure - Neurogenic factors in blood pressure regulation (human)
 ** P01HL-07299-13 0076 Hypertension, shock and circulatory failure - Renin-angiotensin system (human, rats)
 R01HL-08251-11 0002 Pathophysiology of vascular injury - Vascular injury in arteries (rabbits)
 R01HL-08258-10 Movement of the mitral valve (horses)
 P01HL-08682-11 0014 Regulation of the cardiovascular system - Cardiovascular mechanisms involved in renal hypertension (dogs)
 R01HL-09154-10 Central control of distribution of organ blood flow (monkeys)
 ** R01HL-09575-09 Experimental renal arterial hypertension (dogs)
 M R01HL-10612-08 Humoral factors in experimental heart failure
 R01HL-10612-08 0005 Humoral factors in experimental heart failure - Pathogenesis of experimental renal hypertension (dogs, rabbits)
 R01HL-10935-06 Vasopressor action during hemorrhage and hyponatremia (human, dogs)
 ** R01HL-11015-07 Renin and angiotensin in hypertension and renal disease (rabbits, rats, human)
 ** R01HL-11046-08 Renin, angiotensin, steroids, ions and blood pressure (human, sheep, rabbits)
 ** R01HL-11201-08 The enzymology of angiotensin production (human, swine)
 P01HL-11414-07 0006 Thrombosis and atherosclerosis program - The role of renin in the maintenance of blood pressure (dogs)
 R01HL-11668-07 0020 Cineangiographic studies of the cardiovascular system - Mediators of acute renal failure (dogs)
 M P01HL-11678-07 Cardiovascular dynamics and their control
 ** P01HL-11678-07 0023 Cardiovascular dynamics and their control - Hypertension caused by infusion of angiotensin (dogs)
 ** P01HL-11678-07 0024 Cardiovascular dynamics and their control - Renal function and infusion of angiotensin into renal artery (dogs)
 P01HL-11678-07 0030 Cardiovascular dynamics and their control - Fluid volume loading and renin-angiotensin system in Goldblatt hypertensive rats
 R01HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
 R01HL-12325-06 Circulatory system effects of peptide hormones (guinea pigs, dogs)
 ** R01HL-12677-06 Surgical and physiologic studies of isolated kidneys (dogs)
 ** R01HL-12684-06 Angiotensin I and converting enzyme in hypertension (human, rat, rabbit, dog)
 ** R01HL-12706-06 Angiotensin analogs and the adrenal gland (animals)
 ** P01HL-12738-06 0032 Physiologic pharmacology and its clinical applications - Renin-angiotensin system (fish)
 R01HL-13368-05 Angiotensin and hypertension (human, rats)
 R01HL-13408-04 Environmental-genetic interactions in hypertension (rats)
 R01HL-13476-04 Plasma aldosterone in normal and hypertensive man
 R01HL-13595-04 Renin and vascular hyper-reactivity in hypertension (human)

- R01HL-13634-05 Renal hypertension in pregnancy (sheep)
 ** R01HL-13742-04 Morphogenesis of hypertensive vascular disease (rats)
 R01HL-13764-03 Control of renin release by the kidney in vitro (rats)
 ** R01HL-13821-04 Angiotensin, prostaglandins, pressure and the kidney (rats)
 R01HL-13913-06 Experimental model for hereditary hydropnephrosis (rats)
 R01HL-13917-15 Secretion and effects of adrenal hormones (human, rabbits, sheep)
 ** R01HL-13982-03 Role of renin and angiotensin in renal hypertension
 R01HL-13990-03 Etiology of experimental hypertension (rats)
 R01HL-14075-03 Metabolism and intrarenal action of angiotensin II (dogs)
 P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
 P17HL-14148-04 0007 Hypertension center - Salivary composition in hypertension (human)
 P17HL-14150-04 0001 Specialized center of research in hypertension - Humoral and neural control of vasomotor tone (human)
 P17HL-14150-04 0015 Specialized center of research in hypertension - Angiotensin converting enzyme inhibitor, diagnosis of renal hypertension (human)
 P17HL-14159-04 0003 Specialized center of research in hypertension - Renin system, salt and water metabolism in toxic pregnancy (human)
 P17HL-14150-04 0017 Specialized center of research in hypertension - Renin-angiotensin system in man
 P17HL-14187-04 0014 Center for lung research - Vasoactive agents and proteolytic enzymes in the lung (human, mammals)
 P17HL-14192-04 0003 Specialized center of research in hypertension - Hormonal mechanisms in hypertension (human, mice)
 P17HL-14192-04 0006 Specialized center of research in hypertension - Urinary renin in the evaluation of renovascular hypertension (human)
 P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
 P17HL-14214-04 0008 Neonatal lung center - Use of the Kolobov membrane lung in HMD (lambs)
 ** P17HL-14214-04 0014 Neonatal lung center - Role of renin-angiotensin hormonal systems in HMD (human, lambs)
 P17HL-14242-04 0004 Specialized center of research in hypertension - Renomedullary antihypertensive function and renomedullary lipid (rats, rabbits)
 ** R01HL-14295-03 Experimental renal and neurogenic hypertension (human, dogs)
 ** R01HL-14306-03 Quantitative analysis of the renin-angiotensin system (dogs)
 R01HL-14350-02 Venous flow velocity, venous volume, and blood flow (human)
 ** R01HL-14361-03 Cadmium, renin-angiotensin and hypertension
 R01HL-14362-03 Acute renal failure (dogs, cats, rats, guinea pigs)
 ** P01HL-14388-03 0010 Regulation of the circulation in pathological states - Hypertension produced by central administration of angiotensin (dogs)
 ** P01HL-14388-03 0013 Regulation of the circulation in pathological states - Angiotensin and sympathetic stimulation in man
 P01HL-14388-03 0030 Regulation of the circulation in pathological states - Autonomic innervation and reactivity of coronary vessels (dogs)
 ** R01HL-14397-03 Hypertension - Angiotensin (dogs, rats, guinea pigs, monkeys, rabbits)
 ** R01HL-14456-02 Lung metabolism - Enzymes in the pulmonary circulation (rats, dogs)
 ** R01HL-14509-03 Hypertension - Chemistry and physics of angiotensin
 R01HL-14535-03 Intrarenal aspects of the renin-angiotensin system (sheep, rats, rabbits)
 R01HL-14775-03 Mechanisms of drug action in vascular smooth muscle (dog, rabbits)
 P01HL-14780-02 0002 Mechanisms and treatment of cardiovascular diseases - Peripheral circulation in health and disease - Regional blood flow (human)
 P01HL-14780-02 0003 Mechanisms and treatment of cardiovascular diseases - Control of peripheral circulation - Function of venous systems (human)
 R01HL-14863-02 Hypertension in man - Role of renin-aldosterone
 R01HL-14901-02 Experimental pulmonary transplantation (baboons)
 R01HL-14944-02 Renal vascular reactivity in hypertensive patient
 ** R01HL-14982-02 Mechanism of renin release and angiotensin metabolism (human, dogs)
 ** R01HL-15039-02 Dynamic turnover of tissue angiotensin (humans, rats, dogs, rabbits, sheep)
 ** P17HL-15088-03 0010 Diffuse granulomatous and fibrotic pulmonary disease - Regulation of pulmonary angiotensin-converting enzyme (human, rabbits)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** R01HL-15232-02 Myocardial conversion of angiotensin I (dogs, rabbits)
 R01HL-15307-02 Central nervous control of renin and blood pressure
 R01HL-15349-01 Antihypertensive antibody free All and hypertension (rabbits)
 R01HL-15357-02 Etiologic mechanisms of renal hypertension (dogs)
 ** R01HL-15384-02 Biochemistry of the angiotensin I converting enzyme (rabbits)
 ** R01HL-15407-02 Physiological changes and lung metabolic functions (dogs)
 R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
 ** R01HL-15697-02 Circulatory system effects of angiotensin analogs (rats)
 R01HL-15758-02 Catecholamine release in the heart (dogs)
 R01HL-15791-02 Kinins in regulating renal function (dogs)
 R01HL-15837-02 Renin and cardiac hypertrophy in hypertension (rats)
 R01HL-16193-01 Blood pressure, electrolyte regulation in pregnancy (rabbits, rats)
 R01HL-16407-01 Cell biology of the alveolar capillary unit (rats, hamsters)
 R01HL-16433-01 Isolation of a hypertensive compound from human urine
 R01HL-16531-01 0005 Clinical cardiology—Emphasis hypertension - Hypertension induced by oral contraceptives
 R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
 R01MH-25140-01 Homeostatic origins of motivation (rats)
 ** R03MH-25345-01 Analysis of hormonal mediation of drinking behavior (mammals)
 R01NS-03469-13 Neurological bases of feeding and drinking (rats)
 R01NS-10768-02 Subfornical organ control of drinking behavior (rodents, rabbits)
 M01RR-00042-14 0007 General clinical research center - Primary aldosteronism (human)
 M01RR-00073-12 0016 General clinical research center - Nephrotic syndrome (human)
 ** M01RR-00229-09 0006 General clinical research center - The renin-angiotensin system in cirrhosis (human)
 ** M01RR-00229-09 0009 General clinical research center - Renin-angiotensin-aldosterone system in hypertension (human)
 M01RR-00645-03 0001 Clinical research center - Analysis of hypertension based on biochemical profiles (human)
 M01RR-00645-03 0006 Clinical research center - Malignant hypertension (human)
 M01RR-00645-03 0007 Clinical research center - Hypertension caused by renal disease (human)
 M01RR-00645-03 0008 Clinical research center - Hypertension in anephric man
 M01RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
 M01RR-00645-03 0013 Clinical research center - Catecholamine metabolism in subtypes of hypertension (human, dogs)
 M01RR-00645-03 0031 Clinical research center - Circulatory, hormonal interrelationships in cardiac and nephrotic edema (human)
 M01RR-00645-03 0033 Clinical research center - Renal circulation in hypertensive patients
 M01RR-00645-03 0060 Clinical research center - Effects of oral contraceptives and hypertension in atomic population (human)
 M01RR-00722-02 0005 General Clinical Research Center - Mineralocorticoid metabolism in hypertension and catecholamine production (human)
 M01RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)
- PEPTIDES, VASOACTIVE PEPTIDES, ANGIOTENSIN II**
 ** R01AM-08066-10 Peptide hormone analogs (guinea pigs, rats, dogs)
 R01AM-09743-09 Kinetics of peritoneal dialysis (dogs)
 ** R01AM-12395-08 Protein modification by mammalian enzyme systems (bacteria, rats, rabbits)
 R01AM-17420-01 Peptide hormone structure and function
 P11GM-15431-08 0032 Research center for clinical pharmacology and drug toxicology - Aldosterone secretion (human, rabbits)
 P11GM-15431-08 0048 Research center for clinical pharmacology and drug toxicology - Angiotensin II and prostaglandin synthesis in rat renal papilla
 ** P01HD-07110-02 0015 Biomedical center for population research - Conversion of angiotensin I to angiotensin II
 R01HD-07758-02 Oral contraceptives and hypertension (rats)
 R01HL-01782-19 0004 Cardiovascular and pulmonary problems - Pathogenesis of hypertension in coarctation of the aorta (dogs)
 ** P01HL-06308-14 0023 Mechanisms and therapy of circulatory disease - Polypeptides and heart mitochondrial structure and function (rats)
- P01HL-06349-13 0009 Cardiovascular disease clinical program project - Ultrastructure of pulmonary alveolar septal cells in hypertension (rats)
 R01HL-09921-09 0015 Mechanisms of congestive heart failure - Aldosterone secretory rate and concentration in plasma
 ** R01HL-09921-09 0020 Mechanisms of congestive heart failure - Method for determining angiotensin II (rabbits)
 R01HL-10182-09 Circulatory function and electrolyte metabolism (human, primates, dogs)
 ** R01HL-10612-08 0003 Humoral factors in experimental heart failure - Effects of antidiuretic hormone and angiotensin II on renin release (dogs)
 R01HL-10914-08 Renal sodium transport in experimental aldosteronism (dogs)
 ** R01HL-11015-07 Renin and angiotensin in hypertension and renal disease (rabbits, rats, human)
 ** R01HL-11201-08 The enzymology of angiotensin production (human, swine)
 P01HL-11414-07 0006 Thrombosis and atherosclerosis program - The role of renin in the maintenance of blood pressure (dogs)
 R01HL-11668-07 0020 Cineangiographic studies of the cardiovascular system - Mediators of acute renal failure (dogs)
 ** R01HL-12684-06 Angiotensin I and converting enzyme in hypertension (human, rat, rabbit, dog)
 R01HL-12827-05 Regulation of sodium excretion (dogs, rats)
 R01HL-12990-05 Control of ADH secretion and metabolism (dogs, rats, rabbits)
 R01HL-13368-05 Angiotensin and hypertension (human, rats)
 R01HL-13982-03 Role of renin and angiotensin in renal hypertension
 ** R01HL-14075-03 Metabolism and intrarenal action of angiotensin II (dogs)
 ** R01HL-14121-04 Effects of female sex hormones on the circulation (rats, rabbits)
 P17HL-14150-04 0005 Specialized center of research in hypertension - Metabolism of vasoactive peptides (dogs, rabbits)
 P17HL-14150-04 0012 Specialized center of research in hypertension - Role of kidney in pathogenesis of behavioral hypertension (monkeys, baboons)
 P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
 ** R01HL-14358-03 Mechanism of angiotensin action on target tissues (dogs)
 R01HL-14509-03 Hypertension—Chemistry and physics of angiotensin
 R01HL-14520-08 Normotonic primary aldosteronism (human, rats, dogs)
 R01HL-14526-02 Oral contraceptives and hypertension (rats)
 R01HL-14535-03 Intrarenal aspects of the renin-angiotensin system (sheep, rats, rabbits)
 R01HL-14669-03 Local control of peripheral vascular tone (dogs)
 ** P17HL-15088-03 0010 Diffuse granulomatous and fibrotic pulmonary disease - Regulation of pulmonary angiotensin-converting enzyme (human, rabbits)
 ** R01HL-15349-01 Antihypertensive antibody free All and hypertension (rabbits)
 ** R01HL-15384-02 Biochemistry of the angiotensin I converting enzyme (rabbits)
 R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
 R01HL-16044-01 Renin secretion in renal vascular hypertension (human, dogs)
 R01HL-16320-02 0002 Vasoactive peptides which stimulate smooth muscles - Angiotensinase C (rats, human)
 R01HL-16320-02 0003 Vasoactive peptides which stimulate smooth muscles - Kinase-converting enzyme (rats)
 R03MH-26151-01 Hormonal control of drinking and brain systems (rats)
 M01RR-00031-14 0035 General clinical research center - Renal vascular state and reactivity in hypertension (human)
 ** M01RR-00031-14 0065 General clinical research center - Na intake and renal-adrenal response to angiotensin II (human, rabbits)
 ** M01RR-00031-14 0066 General clinical research center - Influence of birth control pill on renal responsiveness to angiotensin II (human)
 ** M01RR-00035-14 0125 General clinical research centers - Angiotensin II (human)
 ** M01RR-00133-10 0061 General clinical research center - Angiotensin or potassium in renal blood flow and renin secretion (dogs)
 ** M01RR-00336-08 0078 General clinical research center - Effect of IV angiotensin II infusion in cirrhosis and ascites (human)
 M01RR-00633-02 0071 General clinical research center - Effect of hypercalcemia on vascular reaction to angiotensin II and norepinephrine
- M01RR-00645-03 0005 Clinical research center - High renin essential hypertension (human)
PEPTIDES, VASOACTIVE PEPTIDES, ANGIOTENSINASE
 R01HL-11201-08 The enzymology of angiotensin production (human, swine)
 R01HL-14361-03 Cadmium, renin-angiotensin and hypertension
 ** R01HL-15039-02 Dynamic turnover of tissue angiotensin (humans, rats, dogs, rabbits, sheep)
 ** P17HL-15088-03 0010 Diffuse granulomatous and fibrotic pulmonary disease - Regulation of pulmonary angiotensin-converting enzyme (human, rabbits)
 ** R01HL-16320-02 0002 Vasoactive peptides which stimulate smooth muscles - Angiotensinase C (rats, human)
 ** R01HL-16320-02 0004 Vasoactive peptides which stimulate smooth muscles - Assaying angiotensinase C and converting enzyme
 R01HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- PEPTIDES, VASOACTIVE PEPTIDES, ANGIOTENSINOGEN**
 R01HL-13917-15 Secretion and effects of adrenal hormones (human, rabbits, sheep)
 ** R01HL-15808-02 Role of angiotensinogen in hypertension and stroke (a bits)
- PEPTIDES, VASOACTIVE PEPTIDES, ANTIRENIN**
 R01HL-13611-06 Radioimmunoassay of endogenous human renin (and dogs, rabbits)
 ** P17HL-14159-04 0010 Specialized center of research in hypertension - Synthesis and testing of renin inhibitors (rats, human)
 R01HL-14295-03 Experimental renal and neurogenic hypertension (human, dogs)
- PEPTIDES, VASOACTIVE PEPTIDES, HYPOTENSIVE PEPTIDES**
 SEE ALSO PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN
 P01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
 ** R01AM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)
 ** P01HD-06645-03 0027 Center for population research - Purification and function of hypothalamic peptides
 ** R01HL-14277-02 Myocardial depressant factor in circulatory shock (cats, dogs)
 R01HL-14397-03 Hypertension—Angiotensin (dogs, rats, guinea pigs, monkeys, rabbits)
 M01RR-00645-03 0005 Clinical research center - High renin essential hypertension (human)
 M01RR-00645-03 0006 Clinical research center - Malignant hypertension (human)
 M01RR-00645-03 0007 Clinical research center - Hypertension caused by renal disease (human)
- PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN**
 R22AU-08163-07 Immunopathogenesis of schistosomiasis (rodents)
 R01AJ-10373-03 Vascular component of transplant rejection (dogs, rats)
 ** R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
 P01AM-08681-09 0027 Diseases of liver and portal circulation - Liver failure (dogs, rats, human)
 R01CA-13861-02 Chemical mediators of tumor cell ascites fluid (mice, human)
 R01DE-03738-02 Humoral and cellular mediators of inflammation (human, rodents)
 R01DE-03743-02 Endogenous inflammatory mediators in periodontal disease (dogs, monkeys)
 P01GM-16496-06 0031 Clinical pharmacology—Pharmacokinetics - Endotoxin and the leukocyte
 R01GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
 P01HL-05435-14 0022 Cardiovascular research and training program - Anesthesia research laboratory (human)
 ** R01HL-11492-07 Vasoactive regulators in tumor tissue (human, rodents, dogs)
 ** R01HL-14076-01 Role of kinins in a new postural syndrome
 ** R01HL-15690-02 Hydrolytic enzymes of blood in health and disease (primates)
 R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
 ** R01HL-15791-02 Kinins in regulating renal function (dogs)
 P01HL-15832-02 0007 Chemical predispositions to lung injury - Inactivation of vasoactive agents by the lung (human, rat, cat, dog, guinea pig)
 ** R01HL-16320-02 0001 Vasoactive peptides which stimulate smooth muscles - Evolution of plasma kinin system (animals)
 R01HL-16560-01 Uterine prostaglandins and circulatory regulation (dogs)
 ** R01HL-16642-01 Biochemistry and pathophysiology of plasma kallikrein (human, animals)
 ** R01HL-16655-01 Clotting and kallikrein system interaction (humans)

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**Oriented significantly to above subject.

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- R01HL-16672-01 Coagulation inhibitors—Function and structure (human, animals)
- R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9**
- R01AF-07722-08 In vitro studies of the mechanism of anaphylaxis (rats, guinea pigs, human)
- P15AI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
- P15AI-10391-03 Allergy disease center—Rhinitis investigations (human, guinea pigs)
- PO2AM-05577-13 0001 Clinical research unit in rheumatic diseases - Humoral factors in inflammation (human, mammals)
- PO2AM-05577-13 0009 Clinical research unit in rheumatic diseases - Acquired abnormalities of the complement component sequences (human)
- PO2AM-05577-13 0017 Clinical research unit in rheumatic diseases - Humoral mechanisms and mediators of inflammation in rheumatic disease patients
- R01AM-15986-03 0002 Cirrhosis, ascites and the hepatic circulation - Dumping syndrome (dogs)
- R01AM-17387-01 0001 Physiology and pathophysiology of kidney function - Control of renin release (dogs, rats)
- R01AM-17420-01 Peptide hormone structure and function
- R01AM-17789-01 Pancreatitis and its treatment (swine, dogs)
- PO2CA-13943-02 0032 Clinical pharmacology immunology cancer research center - Inflammation and cancer (human, mice)
- R01ES-00854-03 Chemical nature and mode of action of Cnidarian toxins (rats, guinea pigs)
- P11GM-15956-07 0014 Factors affecting the responses to drugs - Hypersensitivity and drug effects (mice)
- R01GM-16133-07 0007 Immobilized enzymes to analyze and alter metabolism - Bradykinin assay in blood (human)
- R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- R01HL-12325-06 Circulatory system effects of peptide hormones (guinea pigs, dogs)
- R01HL-13429-04 Capillary fine structure and permeability (mice, rabbits)
- R01HL-13624-04 Regulation of renal circulation and salt excretion (human, dogs, rats)
- R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- R01HL-14076-01 Role of kinins in a new postural syndrome
- R01HL-14456-02 Lung metabolism—Enzymes in the pulmonary circulation (rats, dogs)
- R01HL-14479-06 Immunochemical aspects of normal and diseased lung (human, dogs, swine)
- R01HL-14509-03 Hypertension—Chemistry and physics of angiotensin
- R01HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
- R01HL-14901-02 Experimental pulmonary transplantation (baboons)
- R01HL-15384-02 Biochemistry of the angiotensin I converting enzyme (rabbits)
- R01HL-15422-02 Hormonal control of mesenteric blood flow (cats)
- R01HL-15697-02 Circulatory system effects of angiotensin analogs (rats)
- R01HL-15791-02 Kinins in regulating renal function (dogs)
- R01HL-16264-01 Role of inflammatory hormones in chronic lung disease
- R01HL-16320-02 0003 Vasoactive peptides which stimulate smooth muscles - Kinase-converting enzyme (rats)
- R01HL-16407-01 Cell biology of the alveolar capillary unit (rats, hamsters)
- R01HL-16642-01 Biochemistry and pathophysiology of plasma kallikrein (human, animals)
- R01NS-10922-01 Central mechanisms of visceral and somatic pain (cats)
- M01RR-00076-12 0039 General clinical research center - Plasma bradykinin, kallikreins in dumping syndrome or carcinoid syndrome (human)
- M01RR-00076-12 0040 General clinical research center - Effect of bradykinin in hepato-renal syndrome and cirrhosis (human)
- M01RR-00076-12 0083 General clinical research center - Kallikrein, Na and H₂O excretion in cirrhosis, hepato-renal syndrome (human)
- M01RR-00229-09 0001 General clinical research center - Idiopathic edema (human)
- M01RR-00229-09 0048 General clinical research center - Role of bradykinin in a new postural syndrome (human)
- M01RR-00229-09 0056 General clinical research center - Bradykinin release in man
- M01RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
- PEPTIDES, VASOACTIVE PEPTIDES, KALLIKREIN**
- P01AI-07007-09 0005 Immunopathologic studies - Immunopathologic activation of neutrophils and platelets (rabbits, human)
- R01AM-04683-14 Proteolytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)
- PO2AM-05577-13 0001 Clinical research unit in rheumatic diseases - Humoral factors in inflammation (human, mammals)
- PO2AM-05577-13 0017 Clinical research unit in rheumatic diseases - Humoral mechanisms and mediators of inflammation in rheumatic disease patients
- R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- R01AM-10746-08 Protease inhibitors, physiology and pathology (dogs, rats, mice, guinea pigs)
- R01AM-13686-06 Inhibitors of proteolytic enzymes (plants, human, animals)
- R01DE-03743-02 Endogenous inflammatory mediators in periodontal disease (dogs, monkeys)
- P01GM-16496-06 0031 Clinical pharmacology—Pharmacokinetics - Endotoxin and the leukocyte
- R01GM-17849-03 Specific synthetic inhibitors of proteases (virus, cattle, human)
- R01HO-04252-06 Tissue culture in hereditary disorders (human)
- R01HL-01661-22 Hemostatic mechanisms (human)
- P01HL-11414-07 0016 Thrombosis and atherosclerosis program - Mechanism of action and physiological role of human antithrombin
- R01HL-11492-07 Vasoactive regulators in tumor tissue (human, rodents, dogs)
- R01HL-14479-06 Immunochemical aspects of normal and diseased lung (human, dogs, swine)
- R01HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
- P01HL-14810-03 0008 Cornell thrombosis research center - Surface activation of coagulation factors and plasma enzymes (human)
- R01HL-15040-02 Shock in myocardial infarction (human)
- R01HL-15791-02 Kinins in regulating renal function (dogs)
- R01HL-15839-02 Renal kallikrein, blood pressure and renal function (dogs, rats)
- R01HL-16320-02 0001 Vasoactive peptides which stimulate smooth muscles - Evolution of plasma kinin system (animals)
- R01HL-16320-02 0005 Vasoactive peptides which stimulate smooth muscles - Coupling enzymes with water-insoluble carriers
- P01HL-16411-01 0002 Blood systems in coagulation and vessel disease - Early stages of coagulation and cardiovascular disease (human, rabbits)
- R01HL-16560-01 Uterine prostaglandins and circulatory regulation (dogs)
- R01HL-16582-01 Artificial lungs (dogs, monkeys)
- R01HL-16642-01 Biochemistry and pathophysiology of plasma kallikrein (human, animals)
- R01HL-16655-01 Clotting and kallikrein system interaction (humans)
- R01HL-16672-01 Coagulation inhibitors—Function and structure (human, animals)
- M01HV-71439-08 Myocardial infarction research unit (human, mammals nonhuman)
- M01RR-00076-12 0039 General clinical research center - Plasma bradykinin, kallikreins in dumping syndrome or carcinoid syndrome (human)
- M01RR-00229-09 0001 General clinical research center - Idiopathic edema (human)
- M01RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
- PEPTIDES, VASOACTIVE PEPTIDES, RENIN**
- R01AM-01588-18 Metabolism of antidiuretic hormone (dogs, rats)
- R01AM-01940-16 Neurohypophysial regulation of water excretion (rats, cats, fish)
- R01AM-05077-13 Renal tubular reabsorption of sodium and water (dogs)
- R01AM-05318-13 Pituitary-adrenal physiology and pharmacology (human)
- PO2AM-05630-12 0001 Metabolic unit for the Department of Medicine - Control of urate secretion in hypertension (human)
- PO2AM-05630-12 0012 Metabolic unit for the Department of Medicine - Physiology of renin, angiotensin and vasopressin in obesity (human)
- P01AM-06704-12 0001 Neural and humoral control of endocrine function - Changes in adrenocortical sensitivity to angiotensin and ACTH (dogs)
- P01AM-06704-12 0002 Neural and humoral control of endocrine function - Regulation of renin secretion (dogs)
- PO2AM-08657-10 0001 Clinical metabolic research unit - Mechanisms regulating adrenal secretion in man
- R01AM-08695-10 Renal micropuncture studies of acute renal failure (rats)
- R01AM-11061-09 The juxtaglomerular complex (dogs, mice, rats, fish, human)
- R01AM-12027-07 Mechanisms regulating adrenocortical secretion (human, rats)
- P01AM-13084-10 0006 Clinical homotransplantation of tissues and organs - Study of nephrology (human)
- R01AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
- R01AM-14225-04 Hydrogen ion regulation by the mammalian nephron (human, dogs)
- R01AM-14241-04 Renal handling of proteins—Renin release (rats)
- R01AM-16409-01 Intrarenal heterogeneities in short-nephren disorder (human, rats, dogs)
- P01AM-16764-02 0003 Disorders of renal acidification - Aldosterone deficiency in renal acidification disorders (human)
- P01AM-16764-02 0004 Disorders of renal acidification - Renal tubular transport of sodium and potassium (human)
- R01AM-17223-01 Role of Golgi apparatus in kidney cells (rats)
- R01AM-17387-01 0001 Physiology and pathophysiology of kidney function - Control of renin release (dogs, rats)
- P01CA-16359-01 0017 Cancer center support grant - Estrogen binding proteins
- P01GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
- P11GM-15431-08 0031 Research center for clinical pharmacology and drug toxicology - Renin and aldosterone release (human)
- P11GM-15431-08 0032 Research center for clinical pharmacology and drug toxicology - Aldosterone secretion (human, rabbits)
- P11GM-15431-08 0033 Research center for clinical pharmacology and drug toxicology - Renal pharmacology of diazoxide (dogs)
- P01GM-18674-03 0001 Diagnostic radiology research and training center - Renal perfusion and vascular reactivity in normal and hypertensive man
- P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
- R01HO-06290-01 Anatomical and functional development of the kidney (dogs)
- P01HO-07110-02 0015 Biomedical center for population research - Conversion of angiotensin I to angiotensin II
- R01HL-01782-19 0004 Cardiovascular and pulmonary problems - Pathogenesis of hypertension in coarctation of the aorta (dogs)
- R01HL-02008-20 Pathogenesis of arterial hypertension (rats, rabbits)
- R01HL-02493-17 Kidney function in experimental heart failure (human, dogs)
- R01HL-03303-17 Factors regulating electrolyte excretion by the kidney (human, dogs)
- R01HL-04868-14 Physiological studies on the isolated perfused kidney (rabbits)
- R01HL-05711-13 Pressor mechanisms in hypertension (human)
- P01HL-06285-14 0148 Cardiovascular-respiratory physiology and biochemistry - Prognosis and treatment of hypertension (human)
- P01HL-06285-14 0184 Cardiovascular-respiratory physiology and biochemistry - Regulation of renin secretion (dogs)
- P01HL-06308-14 0026 Mechanisms and therapy of circulatory disease - Clinical myocardial pharmacology
- P01HL-06308-14 0027 Mechanisms and therapy of circulatory disease - Regulation of vasopressin (human, animals)
- P01HL-06349-13 0007 Cardiovascular disease clinical program project - Follow up of 1000 physicians and nurses
- M P01HL-06835-13 Cardiovascular disease
- P01HL-06835-13 0001 Cardiovascular disease - Mechanisms of hypertension (human, dogs)
- P01HL-06835-13 0002 Cardiovascular disease - Renin-angiotensin system (human, mammals)
- P01HL-06835-13 0003 Cardiovascular disease - Factors regulating angiotensin levels in plasma (rats)
- P01HL-06835-13 0008 Cardiovascular disease - Factors regulating formation of renin substrate (rats)
- R01HL-06975-13 Pathogenesis of hypertension (rats, human)
- P01HL-07299-13 0071 Hypertension, shock and circulatory failure - Mineralocorticoid hypertension (human, rats)
- P01HL-07299-13 0072 Hypertension, shock and circulatory failure - Neurogenic factors in blood pressure regulation (human)
- P01HL-07299-13 0076 Hypertension, shock and circulatory failure - Renin-angiotensin system (human, rats)
- P01HL-08203-12 0027 Renal homotransplantation in man - Endocrine studies (human, chickens)
- P01HL-08682-11 0001 Regulation of the cardiovascular system - Regulation of the cardiodynamic mechanisms (human, animals)
- R01HL-09154-10 Central control of distribution of organ blood flow (monkeys)
- R01HL-09575-09 Experimental renal arterial hypertension (dogs)
- R01HL-09921-09 0015 Mechanisms of congestive heart failure - Aldosterone secretory rate and concentration in plasma
- R01HL-10182-09 Circulatory function and electrolyte metabolism (human, primates, dogs)
- M R01HL-10612-08 Humoral factors in experimental heart failure
- R01HL-10612-08 0001 Humoral factors in experimental heart failure - Effects of catecholamines and renal nerve stimulation on renin release (dogs)
- R01HL-10612-08 0002 Humoral factors in experimental heart failure - Effects of renal arterial infusion of sodium and potassium on renin secretion (d

(contd)

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- ** R01HL-10612-08 0003 Humoral factors in experimental heart failure - Effects of antidiuretic hormone and angiotensin II on renin release (dogs)
- ** R01HL-10612-08 0004 Humoral factors in experimental heart failure - Renin release during sodium depletion (dogs)
- R01HL-10612-08 0005 Humoral factors in experimental heart failure - Pathogenesis of experimental renal hypertension (dogs, rabbits)
- R01HL-10842-06 Antihypertensive agents-Pharmacology (humans, animals)
- R01HL-10935-06 Vasopressor action during hemorrhage and hyponatremia (human, dogs)
- ** R01HL-11015-07 Renin and angiotensin in hypertension and renal disease (rabbits, rats, human)
- ** R01HL-11046-08 Renin, angiotensin, steroids, ions and blood pressure (human, sheep, rabbits)
- ** R01HL-11114-07 Electron microscopy of the juxtaglomerular apparatus (rats, rabbits)
- R01HL-11201-08 The enzymology of angiotensin production (human, swine)
- ** P01HL-11414-07 0006 Thrombosis and atherosclerosis program - The role of renin in the maintenance of blood pressure (dogs)
- P01HL-11414-07 0014 Thrombosis and atherosclerosis program - Role of adrenal in human essential hypertension
- P01HL-11662-07 0006 Regulation of fluid, electrolyte and acid-base balance - Patient studies
- P01HL-11662-07 0007 Regulation of fluid, electrolyte and acid-base balance - Minoxidil study (human)
- M P01HL-11678-07 Cardiovascular dynamics and their control
- P01HL-11678-07 0030 Cardiovascular dynamics and their control - Fluid volume loading and renin-angiotensin system in Goldblatt hypertensive rats
- ** R01HL-11984-06 Renal blood flow and renin secretion in hypertension (human, rats)
- ** R01HL-12239-05 Curable hypertension with hyperaldosteronism (human)
- R01HL-12677-06 Surgical and physiologic studies of isolated kidneys (dogs)
- R01HL-12684-06 Angiotensin I and converting enzyme in hypertension (human, rat, rabbit, dog)
- R01HL-12706-06 Angiotensin analogs and the adrenal gland (animals)
- ** P01HL-12738-06 0032 Physiologic pharmacology and its clinical applications - Renin-angiotensin system (fish)
- R01HL-12758-13 Regulation of aldosterone secretion (human, rats)
- R01HL-12827-05 Regulation of sodium excretion (dogs, rats)
- R01HL-12990-05 Control of ADH secretion and metabolism (dogs, rats, rabbits)
- R01HL-13033-05 Neural cardiovascular control (dogs, monkeys)
- P01HL-13262-02 0011 Arterial wall in atherosclerosis - Role of hypertension in atherosclerosis (human, animals)
- R01HL-13368-05 Angiotensin and hypertension (human, rats)
- R01HL-13408-04 Environmental-genetic interactions in hypertension (rats)
- R01HL-13476-04 Plasma aldosterone in normal and hypertensive man
- R01HL-13587-03 Synthesis and pharmacology of renin inhibitors (rats)
- ** R01HL-13595-04 Renin and vascular hyper-reactivity in hypertension (human)
- R01HL-13607-04 Role of catecholamines in hypertension (human)
- ** R01HL-13611-06 Radioimmunoassay of endogenous human renin (and dogs, rabbits)
- ** R01HL-13624-04 Regulation of renal circulation and salt excretion (human, dogs, rats)
- R01HL-13634-05 Renal hypertension in pregnancy (sheep)
- ** R01HL-13653-04 Physiology of renin, aldosterone and prostaglandin (rabbits)
- R01HL-13762-04 Steroids and sodium balance in essential hypertension (human, rabbits)
- ** R01HL-13764-03 Control of renin release by the kidney in vitro (rats)
- R01HL-13913-06 Experimental model for hereditary hydronephrosis (rats)
- ** R01HL-13917-15 Secretion and effects of adrenal hormones (human, rabbits, sheep)
- ** R01HL-13982-03 Role of renin and angiotensin in renal hypertension
- R01HL-13990-03 Etiology of experimental hypertension (rats)
- R01HL-14075-03 Metabolism and intrarenal action of angiotensin II (dogs)
- R01HL-14121-04 Effects of female sex hormones on the circulation (rats, rabbits)
- P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
- P17HL-14148-04 0007 Hypertension center - Salivary composition in hypertension (human)
- P17HL-14148-04 0008 Hypertension center - Renal circulation in hypertensive patients (also dogs)
- P17HL-14150-04 0001 Specialized center of research in hypertension - Humoral and neural control of vasomotor tone (human)
- P17HL-14150-04 0008 Specialized center of research in hypertension - Renal autonomic activity in development of hypertension (monkeys)
- P17HL-14150-04 0011 Specialized center of research in hypertension - Exercise in the rhesus monkey
- ** P17HL-14159-04 0001 Specialized center of research in hypertension - Genetic studies in hypertension and renin secretion (human)
- ** P17HL-14159-04 0003 Specialized center of research in hypertension - Renin system, salt and water metabolism in toxic pregnancy (human)
- ** P17HL-14159-04 0015 Specialized center of research in hypertension - Plasma renin activity and sodium excretion after heart surgery (human)
- ** P17HL-14192-04 0003 Specialized center of research in hypertension - Hormonal mechanisms in hypertension (human, mice)
- ** P17HL-14192-04 0004 Specialized center of research in hypertension - Salivary gland enzymes and blood pressure regulation (mice)
- ** P17HL-14192-04 0005 Specialized center of research in hypertension - Recognition and management of the syndrome of low renin essential hypertension
- ** P17HL-14192-04 0006 Specialized center of research in hypertension - Urinary renin in the evaluation of renovascular hypertension (human)
- P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
- ** P17HL-14214-04 0014 Neonatal lung center - Role of renin-angiotensin hormonal systems in HMD (human, lambs)
- P17HL-14214-04 0017 Neonatal lung center - Red cell volume in neonates (human)
- P17HL-14242-04 0001 Specialized center of research in hypertension - Clinical study of malignant hypertension
- P17HL-14242-04 0003 Specialized center of research in hypertension - Acute glomerulonephritis in childhood and hypertension in young Black patients
- ** R01HL-14295-03 Experimental renal and neurogenic hypertension (human, dogs)
- ** R01HL-14306-03 Quantitative analysis of the renin-angiotensin system (dogs)
- R01HL-14358-03 Mechanism of angiotensin action on target tissues (dogs)
- ** R01HL-14361-03 Cadmium, renin-angiotensin and hypertension
- R01HL-14362-03 Acute renal failure (dogs, cats, rats, guinea pigs)
- ** R01HL-14509-03 Hypertension-Chemistry and physics of angiotensin
- R01HL-14520-08 Normokalemic primary aldosteronism (human, rats, dogs)
- R01HL-14526-02 Oral contraceptives and hypertension (rats)
- R01HL-14535-03 Intrarenal aspects of the renin-angiotensin system (sheep, rats, rabbits)
- R01HL-14588-03 Sympathetic nervous system in renal hypertension (rats)
- R01HL-14653-02 Stress hypertension (monkeys)
- R01HL-14689-03 Blood pressure regulation in uremic and anephric man
- ** R01HL-14863-02 Hypertension in man-Role of renin-aldosterone
- ** R01HL-14982-02 Mechanism of renin release and angiotensin metabolism (human, dogs)
- ** R01HL-15039-02 Dynamic turnover of tissue angiotensin (humans, rats, dogs, rabbits, sheep)
- ** P18HL-15166-03 0007 Comprehensive sickle cell disease center - Genetic studies on hypertension and renin secretion in black families and twins
- ** R01HL-15307-02 Central nervous control of renin and blood pressure
- R01HL-15349-01 Antiangiotensin antibody free All and hypertension (rabbits)
- ** R01HL-15357-02 Etiologic mechanisms of renal hypertension (dogs)
- R01HL-15697-02 Circulatory system effects of angiotensin analogs (rats)
- R01HL-15808-02 Role of angiotensinogen in hypertension and stroke (rabbits)
- ** R01HL-15837-02 Renin and cardiac hypertrophy in hypertension (rats)
- R01HL-15839-02 Renal kallikrein, blood pressure and renal function (dogs, rats)
- R01HL-15947-01 Prostaglandins and hypertension (human, rats, dogs, monkeys)
- ** R01HL-16044-01 Renin secretion in renal vascular hypertension (human, dogs)
- ** R01HL-16102-01 Control of renin in the adrenal medulla
- ** R01HL-16114-01 Renin-Purification, characterization and assay (human, swine)
- ** R01HL-16148-01 Neural control of renal function (dogs)
- R01HL-16193-01 Blood pressure, electrolyte regulation in pregnancy (rabbits, rats)
- R01HL-16320-02 0005 Vasoactive peptides which stimulate smooth muscles - Coupling enzymes with water-insoluble carriers
- R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- R01HL-16433-01 Isolation of a hypertensive compound from human urine
- R01HL-16483-01 Relation of renal endocrine function to hypertension (dogs, sheep)
- R01HL-16496-01 Prostaglandins and renin experimental hypertension (rabbits)
- M R01HL-16531-01 Clinical cardiology-Emphasis hypertension
- R01HL-16531-01 0001 Clinical cardiology-Emphasis hypertension - Hypertension proneness-Long term study of risk factors in young black americans
- ** R01HL-16531-01 0004 Clinical cardiology-Emphasis hypertension - Plasma renin activity in a normal and hypertensive black american population
- R01HL-16531-01 0005 Clinical cardiology-Emphasis hypertension - Hypertension induced by oral contraceptives
- R10MH-04669-14 0004 Controlled drug evaluation - Plasma renin response to lithium in psychiatric patients
- R01MH-25140-01 Homeostatic origins of motivation (rats)
- R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- M01RR-00030-13 0026 General clinical research center - Aldosteronism in hypertension (human)
- M01RR-00030-13 0114 General clinical research center - Sodium excretion in hypertension with normal glomerular filtration (human)
- M01RR-00031-14 0030 General clinical research center - Pituitary-adrenal axis-Hypertension
- M01RR-00032-14 0070 General clinical research center - Renin secretion in interstitial nephritis (human)
- M01RR-00034-14 0037 General clinical research center - Effects of sodium balance on renin levels in renal hypertension (human)
- M01RR-00034-14 0089 General clinical research center - Plasma renin and aldosterone during pregnancy (human)
- M01RR-00034-14 0090 General clinical research center - Plasma renin activity and aldosterone in idiopathic edema (human)
- M01RR-00042-14 0007 General clinical research center - Primary aldosteronism (human)
- M01RR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- ** M01RR-00042-14 0063 General clinical research center - Intra-arterial injection of vasoactive drug on renal vein renin conc (human)
- ** M01RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
- ** M01RR-00044-14 0054 General clinical research center - Renin changes in cirrhosis (human)
- ** M01RR-00044-14 0092 General clinical research center - Effect of potassium loading on renin secretion (human)
- M01RR-00046-14 0022 General clinical research center - Hypertension (human)
- ** M01RR-00048-13 0024 Clinical center - Influence of adrenergic receptors on renin release in hypertension (human)
- M01RR-00048-13 0034 Clinical center - Hypokalemia with normal blood pressure (human)
- M01RR-00050-13 0013 Wilson's disease - Renal blood flow and renin secretion in hypertensive man
- ** M01RR-00050-13 0054 Wilson's disease - Renal blood flow and renin secretion in normal and hypertensive man
- M01RR-00052-13 0049 General clinical research center for children - Turner's syndrome
- ** M01RR-00056-13 0063 General Clinical Research Center - Isoproterenol in induced renin release (human)
- ** M01RR-00060-13 0035 General clinical research center - Renin activity and sodium intake in hypertension (human)
- M01RR-00060-13 0042 General clinical research center - Triamterene spironolactone in hypertension (human)
- M01RR-00062-12 0030 Clinical research center, children - Pressor mechanisms in hypertension
- M01RR-00070-12 0080 General clinical research center - Effects of gravitational stress on fluid balance and blood circulation (human)
- M01RR-00071-11 0037 General clinical research center - Antihypertensive drugs-Digital circulation (human)
- M01RR-00071-11 0046 General clinical research center - Effect of glucocorticoids in catecholamine metabolism in hypertension (human)
- M01RR-00075-11 0010 General clinical research center for children - Xenon 133 measurements of intrarenal blood flow distribution
- M01RR-00080-12 0008 General clinical research center - Distal tubular disorders (human)
- M01RR-00083-12 0016 General clinical research center - Renal vein renin measurement in unilateral renal disease (human)
- ** M01RR-00083-12 0035 General clinical research center - Hyporeninemic hypoaldosteronism (human)
- M01RR-00086-12 0032 General clinical research center-children - Renal hypertension
- M01RR-00095-14 0003 General clinical research center - Clinical hyperadrenocorticism (human)

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- MO1RR-00095-14 0057 General clinical research center - Antihypertensive therapy in suppressed renin hypertension (human)
- MO1RR-00125-11 0162 General clinical research center - adult-child - Adrenal hyperfunction (Cushing's syndrome)
- MO1RR-00125-11 0163 General clinical research center - adult-child - Regulation of aldosterone secretion in hypertension
- MO1RR-00125-11 0164 General clinical research center - adult-child - Renin-aldosterone system in renal vascular hypertension
- MO1RR-00133-10 0061 General clinical research center - Angiotensin or potassium in renal blood flow and renin secretion (dogs)
- MO1RR-00229-09 0006 General clinical research center - The renin-angiotensin system in cirrhosis (human)
- MO1RR-00229-09 0009 General clinical research center - Renin-angiotensin-aldosterone system in hypertension (human)
- MO1RR-00261-09 0092 General clinical research center - Renin-aldosterone regulation (human)
- MO1RR-00287-08 0035 General clinical research center - Surgical reversal of hypertension (human)
- MO1RR-00287-08 0043 General clinical research center - Immunologic and hemodynamic study of transplanted kidney (human)
- MO1RR-00336-08 0063 General clinical research center - Propranolol and hydralazine in labial hypertension (human)
- MO1RR-00336-08 0072 General clinical research center - Peripheral renin activity and renal function in hypotension (human)
- MO1RR-00336-08 0078 General clinical research center - Effect of IV angiotensin II infusion in cirrhosis and ascites (human)
- MO1RR-00626-02 0041 General clinical research center - Net mineralocorticoid action in the pregnant woman
- MO1RR-00626-02 0080 General clinical research center - Effect of operant conditioning of heart rate on plasma renin (human)
- MO1RR-00628-04 0065 General clinical research center for children - Aldosterone and renin activity in hypopituitary patients
- MO1RR-00633-02 0070 General clinical research center - Relationship PRA, ACTH, K, Na, HGH and aldosterone in aldosteronism (human)
- MO1RR-00645-03 0001 Clinical research center - Analysis of hypertension based on biochemical profiles (human)
- MO1RR-00645-03 0002 Clinical research center - Normal renin essential hypertension (human)
- MO1RR-00645-03 0003 Clinical research center - Low renin essential hypertension (human) nephrotic edema (human)
- MO1RR-00645-03 0004 Clinical research center - Low renin hypertension - Aldosteronism (human)
- MO1RR-00645-03 0005 Clinical research center - High renin essential hypertension (human)
- MO1RR-00645-03 0006 Clinical research center - Malignant hypertension (human)
- MO1RR-00645-03 0007 Clinical research center - Hypertension caused by renal disease (human)
- MO1RR-00645-03 0008 Clinical research center - Hypertension in anephric man
- MO1RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
- MO1RR-00645-03 0013 Clinical research center - Catecholamine metabolism in subtypes of hypertension (human, dogs)
- MO1RR-00645-03 0031 Clinical research center - Circulatory, hormonal interrelationships in cardiac and nephrotic edema (human)
- MO1RR-00645-03 0033 Clinical research center - Renal circulation in hypertensive patients
- MO1RR-00645-03 0060 Clinical research center - Effects of oral contraceptives and hypertension in atomic population (human)
- MO1RR-00714-02 0005 General clinical research center - Lymph formation greater than lymph absorption - The formula of edema (human, dogs)
- MO1RR-00722-02 0005 General Clinical Research Center - Mineralocorticoid metabolism in hypertension and catecholamine production (human)
- MO1RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)
- MO1RR-00750-02 0001 General clinical research center - Mineralocorticoid hypertension (human)
- MO1RR-00827-01 0009 General clinical research center - Effect of sodium, posture antihypertensive agents on renin-aldosterone (human)
- MO1RR-00847-01 0004 Clinical research center - Mechanisms of sodium retention in congestive heart failure (human)
- S06RR-08033-03 Inhibitors of DNA and RNA and renin in human tissues (Norfolk State College)
- PEPTIDES, VASOACTIVE PEPTIDES, RENIN-ANGIOTENSIN SYSTEM**
- PO1AM-14877-14 0016 Kidney function in infants and children - Kidney blood flow and renin secretion in neonatal animals (dogs)
- RO1AM-16088-01 Significance of intrarenal flow during preservation (dogs)
- RO1AM-16749-02 Acute renal failure basis of sustained renal ischemia (rats)
- M PO1HL-06349-13 Cardiovascular disease clinical program project
- PO1HL-06349-13 0008 Cardiovascular disease clinical program project - Angiotensin and renin secretion in prehypertensive adolescents
- RO1HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
- RO1HL-09921-09 0018 Mechanisms of congestive heart failure - Sodium depletion stimulus and volume depletion stimulus (dogs)
- RO1HL-10416-09 Shock, hepatorenal syndrome, kidney preservation (human, dogs)
- RO1HL-12707-04 Mechanism of renal circadian cycles (human, dogs, rabbits, guinea pigs)
- RO1HL-13765-04 Humoral and hemodynamic factors in sodium regulation (dogs)
- P17HL-14150-04 0002 Specialized center of research in hypertension - Role of renin-angiotensin system in regulation of blood pressure (dogs)
- P17HL-14150-04 0005 Specialized center of research in hypertension - Metabolism of vasoactive peptides (dogs, rabbits)
- M RO1HL-16478-01 Hemodynamic relations to metabolism in hypertension
- RO1HL-16478-01 0003 Hemodynamic relations to metabolism in hypertension - Cardiac output and organ blood flow in hypertension (rats)
- RO1HL-16478-01 0006 Hemodynamic relations to metabolism in hypertension - Hypertensive isotope and immunosay laboratory
- RO1HL-16560-01 Uterine prostaglandins and circulatory regulation (dogs)
- RO1HL-16847-01 Pathogenesis of glucocorticoid hypertension (rats)
- RO1HL-16949-01 Lung uptake and metabolism of plasma-borne substances (rats)
- R03MH-25345-01 Analysis of hormonal mediation of drinking behavior (mammals)
- MO1RR-00031-14 0023 General clinical research center - Effect of vasodilators on intrarenal hemodynamics in man
- MO1RR-00031-14 0035 General clinical research center - Renal vascular state and reactivity in hypertension (human)
- MO1RR-00031-14 0037 General clinical research center - Hemodynamics and endocrine patterns in hypertension (human)
- MO1RR-00031-14 0038 General clinical research center - Effect of thiazide diuretic on magnesium excretion (human)
- MO1RR-00031-14 0047 General clinical research center - Pituitary-adrenal axis - Aldosterone secretion in hyperthyroidism (human)
- MO1RR-00031-14 0065 General clinical research center - Na intake and renal-adrenal response to angiotensin II (human, rabbits)
- MO1RR-00031-14 0066 General clinical research center - Influence of birth control pill on renal responsiveness to angiotensin II (human)
- MO1RR-00031-14 0068 General clinical research center - Pituitary-adrenal relationship - Aldosterone secretion in normal man
- MO1RR-00043-14 0082 General clinical research center - Progress of PGE₁ dynamics and production rates (human)
- MO1RR-00047-14 0091 General clinical research center - Curable hypertension with hyperaldosteronism (human)
- MO1RR-00051-13 0028 General clinical research center - Renin and aldosterone studies (human)
- MO1RR-00051-13 0082 General clinical research center - Estriol's effect on carbohydrate metabolism, coagulation, hypertension (human)
- MO1RR-00051-13 0153 General clinical research center - Gonadal hormones and renin-angiotensin-aldosterone system (human)
- MO1RR-00055-13 0097 General clinical research center - Renin-angiotensin-aldosterone responses in autonomic insufficiency (human)
- MO1RR-00056-13 0053 General Clinical Research Center - Effect of postures on cycles of renal and adrenal function (human)
- MO1RR-00056-13 0054 General Clinical Research Center - Hypertension screening protocol (human)
- MO1RR-00059-13 0162 General clinical research center - Renin, angiotensin and aldosterone in renal disease and hypertension (human)
- MO1RR-00064-10 0012 General clinical research center - Hypertension in primary hyperparathyroidism (human)
- MO1RR-00065-12 0038 General clinical research center - Relationship of renin-angiotensin system, ACTH on adrenal steroid output (human)
- MO1RR-00070-12 0012 General clinical research center - Secretion of aldosterone in hypertension (human, rabbits)
- MO1RR-00070-12 0025 General clinical research center - Effect of estrogens and progestogens in hypertension (human)
- MO1RR-00071-11 0048 General clinical research center - Relation of renin to vascular reactivity in hypertension (human)
- MO1RR-00083-12 0001 General clinical research center - Renin-angiotensin system and mineralocorticoid in hypertension (human)
- MO1RR-00095-14 0022 General clinical research center - Antihypertensive therapy on secondary aldosteronism in hypertension (human)
- MO1RR-00095-14 0024 General clinical research center - Renin mechanisms (human)
- MO1RR-00095-14 0043 General clinical research center - Prostaglandin synthesis in man
- MO1RR-00123-11 0017 General clinical research center - Children - Hypertension
- MO1RR-00125-11 0191 General clinical research center - adult-child - Role of adrenergic and renin-angiotensin systems in release of prostaglandins
- MO1RR-00211-10 0054 General clinical research center - Hypertension SCOR (human)
- MO1RR-00261-09 0048 General clinical research center - Renin-aldosterone responsiveness to abnormal volume regulation (human)
- MO1RR-00287-08 0039 General clinical research center - Renin-angiotensin-aldosterone system in renal hypertension (human)
- MO1RR-00287-08 0045 General clinical research center - Effects of demecoloxime acetate in normal man
- MO1RR-00334-08 0028 General clinical research center - Functional characteristics of transplanted kidney in man
- MO1RR-00633-02 0049 General clinical research center - Renin-angiotensin system in preclimptic tinea (human)
- MO1RR-00633-02 0068 General clinical research center - Renin-aldosterone response to sodium depletion and ACTH in hypertension (human)
- MO1RR-00750-02 0002 General clinical research center - Renin-angiotensin-aldosterone system and sodium handling in tenuous pregnancy
- MO1RR-00750-02 0003 General clinical research center - Genetics of low renin hypertension (human)
- MO1RR-00827-01 0019 General clinical research center - Metabolic studies in cirrhotic ascites with portacaval shunt (human)
- MO1RR-00827-01 0021 General clinical research center - Aldosterone secretion and the renin-angiotensin system in anephric humans
- PEPTIDES ANALOGS**
- SEE ALSO PEPTIDES, GLUTATHIONE ANALOGS
- RO1DE-01374-14 State of collagen in calcified tissues
- RO1GM-21243-01 Gene mapping by a molecular approach (rabbit)
- RO1HL-12325-06 Circulatory system effects of peptide hormones (guinea pigs, dogs)
- RO1HL-14397-03 Hypertension - Angiotensin (dogs, rats, guinea pigs, monkeys, rabbits)
- PEPTIDES STRUCTURE**
- SEE PROTEINS-PEPTIDES STRUCTURE
- PEPTIDES TEMPLATES**
- SEE NUCLEIC ACIDS, MRNA
- PEPTIDOGLYCANS**
- SEE ALSO GLYCOPROTEIDES
- SEE ALSO PROTEOGLYCANS
- RO1AI-05090-13 Chemistry and biosynthesis of microbial cell walls
- RO1AI-08286-06 Regulation of bacterial cell division
- RO1AI-08295-06 Enzymology of bacterial cell membranes
- RO1AI-10806-02 Control of bacterial cell-wall synthesis and breakdown
- RO1AI-11187-02 Streptococci
- RO1GM-11214-11 Structure and function of membranes in nitrifying bacteria
- RO1GM-18405-04 0001 Regulation and mechanism of cell surface synthesis - Cell wall assembly and degradation during cell cycle (Gram positive bacteria)
- RO1GM-19043-03 Cell division and membrane proteins (bacteria)
- PEPTIDOGLYCOLIPID**
- SEE GLYCOLIPOPEPTIDES, PEPTIDOGLYCOLIPID
- PERAZIL**
- SEE PPERAZINES, CHLOROCYCLIZINE
- PERCEPTION**
- SEE SENSORY-PERCEPTUAL PROCESSES, PERCEPTION
- PERCEPTION, EXTRASENSORY**
- SEE PSYCHOLOGY, PARAPSYCHOLOGY
- PERCEPTION, SOCIAL**
- SEE PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION
- PERCEPTION-MEDITATION CONTINUUM**
- SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE
- PERCEPTUAL DISORDERS**
- SEE SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS
- PERCEPTUAL DISTORTION**
- SEE SENSORY-PERCEPTUAL PROCESSES, PERCEPTUAL DISTORTION
- PERCEPTUAL MASKING**
- SEE SENSORY-PERCEPTUAL PROCESSES, PERCEPTUAL MASKING

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PERFORMANCE, JOB

SEE OCCUPATIONS, JOB PERFORMANCE

PERFORMANCE, MENTAL

SEE PSYCHOLOGY, PERFORMANCE

PERFORMING ARTS (GENERAL)

SEE ARTS

PERFUME

SEE CONSUMER PRODUCTS, PERFUME

PERFUSION

SEE DOSAGE AND ROUTE, PERFUSION

PERFUSION EX-VIVO

SEE CARDIOVASCULAR SURGERY, EXTRACORPOREAL CIRCULATION, PERFUSION EX-VIVO

PERIARTERITIS NODOSA

SEE CARDIOVASCULAR DISORDERS, ARTERITIS, PERIARTERITIS NODOSA

PERICARDIAL ORGAN

SEE ENDOCRINOLOGY INVERTEBRATE, PERICARDIAL ORGAN

PERICARDIOTOMY

SEE HEART SURGERY, PERICARDIOTOMY

PERICARDITIS

SEE HEART DISORDERS, PERICARDITIS

PERICARDIUM

SEE HEART, PERICARDIUM

PERILYMPH

SEE EAR, LABYRINTHINE FLUIDS, PERILYMPH

PERIMETRY

SEE EYE EXAMINATIONS, VISION TESTS, PERIMETRY*

PERIMYCIN

SEE ANTIBIOTICS, PERIMYCIN

PERINATAL

SEE PREGNANCY, PERINATAL

PERINATAL CARE

SEE HEALTH CARE SERVICES, MATERNAL AND INFANT CARE

PERINATAL DISTRESS SYNDROME

SEE CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME

PERINATAL TELENCEPHALIC**LEUKOENCEPHALOPATHY**

SEE NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHY TELENCEPHALIC

PERINEURIUM

SEE NERVOUS SYSTEM, NERVES, PERINEURIUM

PERIODATES, PERIODIC ACID

SEE HALOACIDS, PERIODATES

PERIODICITY

SEE BIOPERIODICITY (AND FACTORS GOVERNING IT)

PERIODONTAL DISORDERS

SEE DENTAL DISORDERS, PERIODONTAL

PERIODONTITIS

SEE DENTAL DISORDERS, PERIODONTITIS

PERIODONTIUM

SEE DENTAL STRUCTURE, PERIODONTIUM

PERIOSTEUM

SEE SKELETAL SYSTEM, BONE, PERIOSTEUM

PERIOSTITIS HYPERPLASTICA

SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

PERIPHERAL NERVES (GENERAL)

SEE NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)

PERIPHERAL NEUROPATHY

SEE NERVOUS DISORDERS PERIPHERAL

PERIPHERAL NEUROPATHY CONGENITAL**SENSORY**

SEE NERVOUS DISORDERS PERIPHERAL, SENSORY NEUROPATHY

PERIPHERAL NEUROPATHY HEREDITARY

SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY

PERIPHERAL VASCULAR DISORDERS

SEE CARDIOVASCULAR DISORDERS, PERIPHERAL VASCULAR DISORDERS

PERIPHERAL VASCULAR SYSTEM

SEE CARDIOVASCULAR SYSTEM, PERIPHERAL VASCULAR SYSTEM

PERISSODACTYLA

SEE MAMMALS, UNGULATES, PERISSODACTYLA (GENERAL) - SEE ALSO SPECIFICS*

PERITONEAL CAVITY

SEE BODY CAVITIES, PERITONEAL CAVITY

PERITONEAL DIALYSIS

SEE BODY FLUID BALANCE THERAPY, DIALYSIS (THERAPEUTIC)

PERITONEAL DISORDERS

SEE BODY CAVITY DISORDERS, PERITONEAL

PERITONEAL FLUID

SEE BODY CAVITIES, PERITONEAL FLUID

PERITONEUM

SEE BODY CAVITIES, PERITONEUM

PERITONITIS

SEE BODY CAVITY DISORDERS, PERITONITIS

PERITONITIS (PERIODIC HEREDITARY)

SEE METABOLIC DISORDERS INBORN, FAMILIAL MEDITERRANEAN FEVER

PERMEABILITYSEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY**PERMEASES**

SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES

PERNICIOUS ANEMIA

SEE BLOOD AND RE DISORDERS, ANEMIA PERNICIOUS

PERONEAL MUSCULAR ATROPHY

SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY, PERONEAL MUSCULAR ATROPHY

PEROXIDASE LABELED ANTIBODY TECHNIQUE

SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, PEROXIDASE LABELED ANTIBODY*

PEROXIDASES

SEE ALSO METALLOPROTEINS, CYTOCHROMES

R01A1-07763-08 Antimicrobial effect of peroxidase in leucocytes (human)

** R01A1-09109-06 Enzyme-labeled antibodies for immunohistochemistry (mice, rats)

** R01A1-11183-02 Antigen-binding cells of multiple specificity (mice, rabbits)

R01AM-09191-08 Metabolism of the vitamins A (rats, chicks)

R01AM-10072-10 Physical chemistry of human hemoproteins

** R01AM-11308-08 Pathogenesis of inflammatory responses (rabbits, mice)

R01AM-13916-04 Pharmacology and biochemistry of the thyroid (human)

R01AM-14928-15 Pathogenesis of some sequelae of streptococcal disease (human, rats, rabbits)

** R01AM-15682-03 Specificity and mechanism of thyroid peroxidase (cattle)

R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)

P02CA-15145-01 0025 Cancer center support grant - Hemoprotein-oxygen interactions-Mechanism chemical carcinogen activation

R01CA-15670-01 Effects of x-irradiation on the phagocytic response (human, mammals nonhuman)

R01CA-16954-01 Hemoprotein-catalyzed oxygenations of carcinogens

R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)

** R23DE-03945-01 Salivary peroxidase and the genetics of oral disease

R01ES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)

R01EY-00538-05 Ultrastructural study of ocular vascular permeability (monkeys)

R01FD-00685-01 Furanoterpenoids in sweet potato-ethylene mediation

R01GM-07768-14 Enzymatic activation mechanisms (E coli)

** R01GM-18648-03 Cytochrome C peroxidase catalyzed oxidations (yeast)

** R01GM-19336-03 X-ray studies on biologically important molecules (fungi, plants)

R01GM-20628-03 Structure and function of biological membranes (frogs, arachnids, rabbits)

** R01HD-02266-09 Uterine eosinophil structure and function (human, rats, cattle)

R01HD-06734-03 Functional cytology of placenta and fetal membranes (human, rodents)

R01HL-12526-05 Raman spectra of heme proteins and related molecules

R01HL-13651-03 X-ray photoelectron spectroscopy of heme compounds

R01HL-13652-04 Metal sites in metalloproteins

P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding

R01HL-14508-06 Structure and function of respiratory hemoproteins

R01HL-15461-02 Hemoprotein interactions-Models of sickle hemoglobin (whale, tuna, insects)

R01HL-15980-02 Isolation, structure and model reactions of heme A (cattle)

R01HM-19793-03 Central mechanisms controlling behavioral excitability (rats)

R01NS-05572-10 0003 Ultrastructural basis of neuropsychiatric disease - Immunocellular methods for cell surface and intracellular labeling

PO1NS-07512-06 0017 Neuronal development, interaction and organization - Morphophysiology of electronic junctions (fish)

R01NS-08533-06 Muscle-Fine structural basis of abnormal permeability (rats, mice)

R01NS-10990-01 Blood brain barrier (cats, mice)

** R01NS-11589-01 Integrative neuroanatomy (rats, mice)

M01RR-00128-10 0057 General clinical research center for children - Phagocyte function in humans

PEROXIDASES, CATALASE

SEE ALSO METABOLIC DISORDERS INBORN, ACATALASEMIA

R01AA-00288-03 Interaction of drug and ethanol metabolism (perfused liver, rats)

** R01AA-00292-04 The enzyme-substrate compound of catalase in alcoholism (animals)

R01AM-02131-17 0005 Trace lipids in cell function - Vitamin E (rats)

R01AM-10072-10 Physical chemistry of human hemoproteins

R01CA-05310-14 Mechanism of action of beta-3TA (mice)

R01CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)

P01CA-06927-12 0026 Biological and biochemical program in cancer research - Influence of nutrition upon aging (rats)

** R01CA-10130-09 Catalase isozymes in normal and neoplastic tissues (human, quails)

** R01CA-10671-07 Catalase-C-reactive protein biochemistry in cancer (human, mice, rabbits)

R01GM-09965-12 Cytogenetics of meiosis and development in *Drosophila*

P11GM-15477-08 0072 Drug metabolism and biochemical pharmacology - Methanol metabolism in the monkey (also rats)

** P11GM-15477-08 0073 Drug metabolism and biochemical pharmacology - Intracellular distribution of hepatic catalase (rats, mice, guinea pig)

P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)

P11GM-15956-07 0065 Factors affecting the responses to drugs - Studies on peroxisomes

R01GM-16133-07 0006 Immobilized enzymes to analyze and alter metabolism - Oxygenation by transmembrane catalysis of hydrogen peroxide (dogs)

R01GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)

P01GM-19489-03 0018 Study of human genetics - Linkage study of beta hemoglobin locus

R01HD-05588-12 Biochemical genetics of cultured human cells (also rodents)

** P01HD-05221-05 0017 Center grant in mental retardation - Androgen inducibility of kidney beta-glucuronidase (mice)

P01HD-05875-04 0010 Aging mechanisms of in vitro human cell systems - Membrane deterioration in mitotic and non-mitotic cells (human, rats)

** R01HL-02558-18 Structure-function relationships in the heme proteins (human, cattle)

R01HL-15980-02 Isolation, structure and model reactions of heme A (cattle)

R01NS-06856-08 Storage disease-Intracellular transport and digestion (human, animals, plants)

R01NS-07180-12 Functional relationships in vitamin E-deficiency (guinea pigs)

R01NS-08533-06 Muscle-Fine structural basis of abnormal permeability (rats, mice)

PEROXIDASES, GLUTATHIONE PEROXIDASE

R01AM-06424-12 Nutritional function of selenium (rats)

R01AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)

** P01AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)

** P01CA-15655-01 0037 Cancer center support grant - D-amino acid oxidase and glutathione peroxidase (human)

R01HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)

R01HL-07449-12 0003 Formation and survival of red blood cells - Red cell metabolism

P17HL-14179-04 0020 Center for the study of lung disease - Mechanisms of oxidant lung injury-Effects of lipid peroxides (mammals)

R01NS-07413-07 Metabolic relationships of selenium in myopathies (sheep)

PEROXIDASES, IODIDE PEROXIDASE

** R01AM-03612-15 Thyroid function and iodine metabolism (rats, human)

R01AM-05645-13 Thyroid function (rats)

** R01AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- ROIAM-15778-03 Iodine metabolism and thyroxine biosynthesis (cattle rats)
 POICA-12174-04 0020 Growth and cell control processes - Turnover of surface components in normal and transformed cells (chickens)

PEROXIDASES, LACTOPEROXIDASE

- ROIAM-10764-08 Mechanism of lactose synthesizing enzymes (rats, cattle)
 ** PO2CA-08480-09 0003 Childhood cancer research center - Structure and function of lactoperoxidase (rats, mice)
 ROICA-13844-02 Isolation of tumor antigens of human melanoma
 RO1HL-02558-18 Structure-function relationships in the heme proteins (human, cattle)
 RO1HL-16490-01 Structural basis of nephron filtration (rats, rabbits)

PEROXIDASES, MYELOPEROXIDASE

- RO1AI-05022-11 The pathogenesis of cryptococcosis (mice, guinea pigs)
 RO1AI-09504-05 Mechanisms of leukocyte bactericidal activity (human)
 R22AM-16206-02 Malnutrition, infection, and human leukocyte metabolism
 ** RO1CA-10904-06 Biochemical studies in cancer (mice, rats)
 PO2CA-11067-05 0001 Clinical cancer research center - Host resistance factors and intensive supportive therapy

PEROXIDATION

- RO1AA-00292-04 The enzyme-substrate compound of catalase in alcoholism (animals)
 ** RO1AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
 RO1AM-16097-02 Propinogenic potential of polyunsaturated fat (human, rats)
 PO1AM-16281-02 0017 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum in man
 RO1AM-16489-02 0008 Control of tissue rejection by zinc - Zinc and lipid peroxidation (rats)
 RO1CA-16927-01 Membrane lipids in neuroblastoma differentiation (mice)
 RO1FD-00576-01 Metabolism of Di-t-butylhydroxytoluene (BHT)
 P11GM-15477-08 0073 Drug metabolism and biochemical pharmacology - Intracellular distribution of hepatic catalase (rats, mice, guinea pig)
 P11GM-15477-08 0074 Drug metabolism and biochemical pharmacology - Ethanol metabolism in the isolated, perfused rat liver
 ** RO1GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
 PO1HD-06276-03 0049 Mental retardation research program - Perinatal telencephalic leucoencephalopathy (human)
 ** PO1HD-06276-03 0075 Mental retardation research program - Lipid neurochemistry
 ** P17HL-14152-04 0018 Pulmonary specialized center of research - Lipoperoxidation and lung collagen and elastin (guinea pigs)
 P17HL-14177-04 0002 Center for prevention and treatment of atherosclerosis - Atherosclerotic arterial wall bioenergetics and lipid metabolism (rabbits, swine)
 MO1RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)

PEROXIDES

- SEE ALSO LIPIDS, OXIDIZED LIPIDS, LIPID PEROXIDES
 RO1AI-10600-03 Human phagocyte function in health and disease (also animal)
 RO1AM-10339-09 Kinases, desaturases, and hydroxylases (bacteria, yeast, rabbits)
 R22AM-15970-02 Malnutrition and host defense-Leukocyte function (rats, human)
 RO1CA-10671-07 Catalase-C-reactive protein biochemistry in cancer (human, mice, rabbits)
 PO1CA-12227-04 0013 Core program in carcinogenesis - Synthesis of carcinogenic compounds
 ** RO1CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
 RO1CA-15030-01 Mode of action of chemical carcinogenesis
 PO2CA-15145-01 0025 Cancer center support grant - Hemoprotein-oxygen interactions-Mechanism chemical carcinogen activation
 RO1CA-15670-01 Effects of x-irradiation on the phagocytic response (human, mammals nonhuman)
 P10ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)
 RO1GM-13000-09 Applications of ESR spectroscopy
 ** RO1GM-21249-01 Prostaglandin endoperoxides

PEROXIDES, HYDROGEN PEROXIDE

- RO1AI-07763-08 Antimicrobial effect of peroxidase in leukocytes (human)
 RO1AI-08173-07 Leukocyte oxidase activity and susceptibility to infection (human)

- RO1AI-09504-05 Mechanisms of leukocyte bactericidal activity (human)
 RO1AI-10732-03 Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
 RO1AI-10892-02 Leukocyte metabolism related to recurrent infection (human, animals)
 RO1AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)
 RO1AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
 RO1AM-13448-06 Mechanistic study of some O2 oxidoreductases
 PO1AM-15512-03 0008 University of Wisconsin program project in nephrology - Kidney preservation (dogs, human)
 RO1AM-16095-03 Membrane lipid metabolism in blood cells (human)
 ** PO2CA-11067-05 0001 Clinical cancer research center - Host resistance factors and intensive supportive therapy
 ** RO1CA-11684-05 Mechanisms of drug action in normal and tumor cells (mice, human, rats)
 PO2CA-12197-03 0026 Multidisciplinary oncology research center - Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
 RO1GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
 ** RO1GM-16133-07 0006 Immobilized enzymes to analyze and alter metabolism - Oxygenation by transmembrane catalysis of hydrogen peroxide (dogs)
 RO1GM-18648-03 Cytochrome C peroxidase catalyzed oxidations (yeast)
 P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
 ** P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
 RO1HL-15668-02 0001 Extracorporeal respiratory gas exchange-New approach - Extracorporeal respiratory gas exchange (dogs)
 RO1HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
 ** RO1NS-09572-03 Models for hydroxylases of neurochemical significance
 PO1NS-11631-01 0057 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine (mice, rats)

PEROXISOMES

SEE CELL COMPONENTS, PEROXISOMES

PERPHENAZINE

SEE PHENOTHIAZINES, PERPHENAZINE

PERSANTINE

SEE DIAZINODIAZINES, DIPYRIDAMOLE

PERSONAL CARE INSTITUTIONS

SEE HEALTH CARE FACILITIES, RESIDENTIAL

PERSONAL SATISFACTION

SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

PERSONALITY

SEE PSYCHOLOGY, PERSONALITY

PERSONALITY, CYCLOTHYMIC

SEE PSYCHOLOGY ABNORMAL, NEUROSIS, CYCLOTHYMIA

PERSONALITY, DUAL, MULTIPLE

SEE PSYCHOLOGY ABNORMAL, NEUROSIS, DISSOCIATIVE REACTION

PERSONALITY, PSYCHOPATHIC

SEE PSYCHOLOGY ABNORMAL, SOCIOPATHIC PERSONALITY

PERSONALITY AND COGNITION RESEARCH REVIEW COMMITTEE

- ** PO1GM-21796-01 Cognitive processes and psycholinguistics
 ** RO1HD-02228-08 Family socialization and development competence
 ** RO1MH-01099-19 Learning and transfer processes (human)
 ** RO1MH-01206-18 Behavior without awareness (human)
 ** RO1MH-01293-18 Measurement of drive and conflict (human)
 ** RO1MH-02238-15 Childrens achievement development
 M RO1MH-03859-13 Developmental-interactive aspects of hypnosis
 ** RO1MH-05115-13 Measurement and studies of ego development
 ** RO1MH-05162-12 Analysis of vicarious psychological processes (human)
 ** RO1MH-06580-12 Some parameters of decision-making
 ** RO1MH-06671-11 The development of children's naturalistic concepts
 ** RO1MH-06830-13 Delay of gratification in choice situations (children)
 ** RO1MH-07722-10 Research on information processing psychology (human)
 ** RO1MH-08853-10 Instrumental properties of human automatic functions
 M PO1MH-10006-10 Research center for quantitative psychology

- ** RO1MH-11321-08 Motivation and experience-Theory (human)
 M PO1MH-12972-08 Research program in personality assessment
 PO1MH-13390-08 The study of language (human)
 ** RO1MH-13950-07 Effect of memory aids on learning and retention
 ** RO1MH-14314-06 Behavioral processes in conceptual rule learning
 M RO1MH-15828-06 Research in human information processing
 RO1MH-16437-06 Using computer graphics to study human judgement
 ** RO1MH-16474-05 Computer interaction in psychological scaling
 RO1MH-16496-06 Perception and short-term memory for verbal materials (human)
 ** RO1MH-16726-05 Production and perception of connected speech
 ** RO1MH-16728-05 Cognitive development and cognitive socialization
 ** RO1MH-17312-05 Antecedents of competence
 ** RO1MH-17405-05 Determinants of aggressive behavior (human)
 ** RO1MH-17484-05 Objective and subjective components of grammar
 RO1MH-18411-05 Cognitive effects on GSR conditioning and performance (human)
 ** RO1MH-18856-04 Control of the subjective intensity of sensation (human)
 ** RO1MH-19152-04 Cognitive control of pain
 ** RO1MH-19223-05 Reasoning and cognition (children, adults)
 ** RO1MH-19915-03 The development of a picture test of values (human)
 ** RO1MH-20021-04 Cognitive processes in comprehension and deduction (human)
 ** RO1MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
 ** RO1MH-21230-01 Sentence production and comprehension
 ** RO1MH-21288-03 Concept development
 RO1MH-21294-03 Hypnosis, suggestion and psychocutaneous effects
 ** RO1MH-21747-02 Memory search and decision processes
 ** RO1MH-21795-02 Individual differences in cognition
 RO1MH-21896-01 Program in generative design
 RO1MH-22127-02 Personal causation and development of responsibility
 ** RO1MH-22296-02 Variables influencing pain produced by electric shock (human)
 ** RO1MH-22299-01 Anticipatory coping and stress responses (human)
 ** RO1MH-22366-02 Memory for words in sentences
 ** RO1MH-22568-01 Developmental learning and problem solving (human)
 ** RO1MH-22720-02 Altruistic behavior in children
 ** RO1MH-22803-02 Social-affective development in infancy (human)
 ** RO1MH-23401-01 Communicative bases for linguistic structures
 RO1MH-23505-03 The acquisition of linguistic structure (human)
 RO1MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
 ** RO1MH-23563-01 Multiple-cue probability learning and judgement
 RO1MH-23612-02 Prediction of advanced academic performance
 RO1MH-23642-02 Some genetic and social factors in cognitive traits
 M PO1MH-23878-06 Cognitive processes and mathematical psychology
 RO1MH-23883-02 Varieties and functions of early social speech
 ** RO1MH-23884-02 Determinants of mental health (children)
 RO1MH-23886-02 The development of prosocial behavior in children
 ** RO1MH-23903-02 Early patterns of cognitive development
 ** RO1MH-23939-02 Decoding information from memory
 ** RO1MH-23957-02 Psycholinguistic investigations
 ** RO1MH-24027-01 The speech mode and categorical perception
 ** RO1MH-24134-02 Effects of extrinsic rewards on intrinsic motivation
 ** RO1MH-24149-01 Measurement studies in personality and cognition
 ** RO1MH-24194-01 Symbol formation through toys, pictures and words
 ** RO1MH-24241-01 A computer-based exploration of skilled reading
 RO1MH-24280-02 Intelligence and personality-An adoption study
 ** RO1MH-24283-01 Development of initiative (human)
 ** RO1MH-24316-01 Processing and formation of natural categories (human)
 ** RO1MH-24596-01 Coping with novelty-The roots of mastery or of fear
 ** RO1MH-24804-01 Respondent mentation and responses to life situations

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01MH-24824-01 The growth of peer social interaction in play groups
 ** R01MH-24849-01 Development of self recognition in infancy
 ** R01MH-24880-01 The process of choosing (human)
 ** R01MH-24964-01 Timing and processing of stimulus events (human)
 ** R01MH-25218-01 Spatial reasoning in problem solving
 ** R01MH-25229-01 Externality and children's problem solving strategies
 R01MH-25344-01 Comparison of recognition and recall
 ** R01MH-25547-01 Committee on work and personality in the middle years
 ** R01MH-26069-01 Cognitive factors in learning by example
 ** R01MH-26073-01 Elementary information processing (human)
 ** R01MH-26169-01 Nature of certain linguistic abilities
 ** R01MH-26239-01 Human self regulation

PERSONALITY ASSESSMENT-MEASUREMENT

SEE PSYCHOLOGICAL TESTS, PERSONALITY ASSESSMENT-MEASUREMENT*

PERSONALITY DEVELOPMENT

SEE PSYCHOLOGY, PERSONALITY DEVELOPMENT

PERSONALITY DISORDERS GENERAL

SEE PSYCHOLOGY ABNORMAL, PERSONALITY DISORDERS (GENERAL)

PERSONNEL

SEE CHILD WELFARE, CHILD CARE PERSONNEL
 SEE HEALTH SCIENCES PROFESSIONS (GENERAL)
 SEE HOSPITALS PERSONNEL
 SEE MENTAL HEALTH PERSONNEL
 SEE SOCIAL CONTROL PERSONNEL

PERSPIRATION

SEE SKIN SECRETIONS, SWEAT

PERSUASION

SEE PSYCHOLOGY, PERSUASION

PERTHES DISEASE

SEE SKELETAL DISORDERS, OSTEOCHONDROITIS (DEFORMANS)

PERTUSSIS

SEE BACTERIAL DISEASES, PERTUSSIS

PERTUSSIS VACCINE

SEE VACCINES, BACTERIAL, PERTUSSIS VACCINE

PERU

SEE GEOGRAPHICAL SITES, S. AMERICA, PERU

PEST CONTROL (NONPOLLUTANT)

SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS

- R01AI-02753-15 Genetics and reproductive biology of *Aedes* mosquitoes
 ** R07AI-10049-15 0001 International center for medical research - Arbovirus vector genetic control (mosquitoes)
 R07AI-10049-15 0010 International center for medical research - Genetics and vectors of malaria in Brazil (mosquitoes)
 R01AI-12020-01 Chemistry of arthropod secretions
 ** R01CA-15771-01 Potential carconostatic trithiaziazines
 ** P01ES-00044-10 0006 Mechanisms of pesticide action - Genetic effects of toxicants (wasps, shrimp)
 ** R01GM-21732-01 Genetic and population studies of *SD* (*Drosophila*)

PEST CONTROL, ARTHROPODS CONTROL

SEE ALSO PEST CONTROL, INSECTS CONTROL

SEE ALSO PESTICIDES, ARTHROPODICIDES

- R01AI-10987-02 Sex pheromones in disease-transmitting ticks (rats, dogs)
 M P01AI-11132-03 Prevention or control of arbovirus infections
 R01AI-11664-01 Reproductive physiology of mosquitoes and ticks

PEST CONTROL, HELMINTHS CONTROL

SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTHELMINTICS

- R01AI-06262-10 Helminth immunity-In vitro and in vivo correlates (guinea pigs, ascaris suum)
 ** R22AI-07054-09 Interaction of larval trematodes within snail vectors
 ** R22AI-07359-08 Culture of schistosome parasites
 ** R22AI-08520-07 Schistosome control by trematode antagonism (human, snails)

PEST CONTROL, INSECTS CONTROL

- ** R01AI-00351-22 Biology, genetics, and physiology of disease vectors (mosquitoes)
 ** R01AI-02753-15 Genetics and reproductive biology of *Aedes* mosquitoes
 R01AI-02908-15 Secretions of arthropods (amphibians, birds, reptiles, rodents)
 ** R01AI-03028-15 Ecology and control of arboviruses (animals)
 ** R01AI-03235-14 Fungal parasites of mosquitoes
 ** R01AI-06587-10 The natural history of mosquitoes

- ** R01AI-07807-08 Genetic studies on the control of arbovirus vectors (rats, mosquitoes)
 ** R01AI-07880-07 Interspecific competition among mosquitoes
 ** R01AI-08240-07 Accessory reproductive secretions (cockroaches)
 ** R01AI-09410-05 Endocrinology of mosquito reproduction and behavior
 ** R01AI-09765-05 Mechanism of infection of insect viruses (lepidopteran)
 R01AI-09902-04 Microsomal mixed-function oxidases (flies)
 ** R01AI-09972-04 Viral pathogens (mosquitoes)
 ** R01AI-10010-04 Potential of Coelomomyces for controlling mosquitoes
 ** R07AI-10049-15 0001 International center for medical research - Arbovirus vector genetic control (mosquitoes)
 ** R07AI-10049-15 0009 International center for medical research - Malaria in West Pakistan-Biological control of vectors in urban areas
 R01AI-10174-04 Chemistry of vector pheromones (ticks, rabbits)
 ** R01AI-10274-03 Effects of hormonomimetic compounds on culicids
 ** R01AI-10360-03 Control of aminosugar metabolism in a pathogen vector (flies)
 R01AI-10444-03 Bionics of simuliids and their nematode parasites
 ** R01AI-10527-04 Metabolism and hormones in arthropods
 R01AI-10707-03 Reproductive physiology of *Aedes*
 ** R01AI-10708-03 Thermally induced sterility in *Aedes aegypti*
 R01AI-10954-03 Electrophysiological study of chemoreceptors (mosquitoes)
 R01AI-10986-02 Sex pheromones in disease-transmitting ticks (rats, dogs)
 ** R01AI-10988-02 Variation in mating behavior (flies)
 ** R01AI-11123-02 *Nosema* algae as a biological control of mosquitoes
 ** R01AI-11150-02 Characterization of matrone, an insect sterilant
 ** R01AI-11269-01 Control of cockroach development
 R01AI-11547-02 La Crosse arbovirus studies in forested areas, (mosquitoes, rodents)
 R01AI-11583-02 Population biology of salt marsh mosquitoes
 ** R22AI-11725-01 Genetic control of filariasis vectors (mosquitoes)
 R01AI-11740-01 Oviposition attractants of *Aedes triseriatus*
 ** R01AI-11909-01 Control of reproduction in the mosquito
 ** R01AI-12471-01 Thermally induced sterility in *Aedes aegypti*

- P01ES-00049-10 0004 Mode of action and metabolism of organic toxicants - Pyrethroids mode of action (milkweed bugs)
 R01ES-00362-16 Detoxication mechanisms in insects (houseflies)
 ** R01ES-00400-06 Microsomal enzymes (army worms, mammals)
 ** R01ES-00650-02 Biochemistry of insect cuticle
 R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
 ** R01ES-00814-05 Mode of action of insecticides (American cockroach, flies)
 ** R01GM-21732-01 Genetic and population studies of *SD* (*Drosophila*)
 ** R01HD-07336-01 Lepidopteran reproductive neuroendocrinology
 ** R01NS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
 ** S06RR-08067-03 CUPR biomedical research program (Catholic Univ Puerto Rico)

PEST CONTROL, MOLLUSKS CONTROL

- R01AI-00513-21 Biology and biological control of schistosomiasis (snails)
 R01AI-05006-11 Nitrogen metabolism in gastropod molluscs

PEST CONTROL, RODENTS CONTROL

- ** R01ES-00296-06 Pesticide resistance studies (Pine mice)
 R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)

PESTICIDES

SEE ALSO PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), PESTICIDES INTERACTION

- P01AM-00002-28 0013 Metabolic and hereditary disorders - Chromosomal disorders (human)
 R01AM-04652-14 Intestinal absorption of mineral ions (chickens)
 P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
 ** N01CP-02210-08 Carcinogenesis bioassay of pesticides (mice, rats)
 ** N01CP-33225-04 Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents)
 N01CP-33287-01 Definition of sensitivity of carcinogenesis bioassay systems (mice)

- ** N01CP-43245-00 Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents)
 ** N01CP-43267-00 Carcinogenesis bioassay of pesticides (mice, rats)
 ** N01CP-43249-02 Carcinogenic bioassay of environmental chemicals (mice, rats)
 M P01ES-00040-10 Environmental toxicology of pesticides
 ** P01ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amine acid metabolism (rats, fish)
 M P01ES-00044-10 Mechanisms of pesticide action
 P01ES-00044-10 0003 Mechanisms of pesticide action - Action and metabolism of herbicides (plants, mammals nonhuman)
 ** P01ES-00044-10 0004 Mechanisms of pesticide action - Intermediary metabolism of phospholipids (insects, mice)
 P01ES-00044-10 0006 Mechanisms of pesticide action - Genetic effects of toxicants (wasps, shrimp)
 M P01ES-00049-10 Mode of action and metabolism of organic toxicants
 P01ES-00049-10 0006 Mode of action and metabolism of organic toxicants - Use of photosensitizers in regulating the persistence of pesticide chemicals
 P01ES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoalteration (mice, rats, fish)
 ** P01ES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals-Metabolism and photodecomposition (rodents)
 ** P01ES-00049-10 0012 Mode of action and metabolism of organic toxicants - Binding sites of inhibitors and uncouplers in the respiratory chain
 ** P01ES-00049-10 0021 Mode of action and metabolism of organic toxicants - Arylthioureas-Metabolism and mode of action (mice, *Drosophila*)
 ** R01ES-00109-09 Interactions of pesticides, drugs and other chemicals (mice, rats, quail)
 P10ES-00210-07 0017 Center for environmental management - Lipid chemical interaction
 P10ES-00210-07 0021 Center for environmental management - Hydroxylation of xenobiotics by plants
 ** P10ES-00210-07 0032 Center for environmental management - Pesticides in central and western Oregon (hawks)
 M P10ES-00267-07 Center for environmental toxicology
 P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
 ** R01ES-00459-04 Inhalation toxicology of environmental agents (rats)
 ** R01ES-00620-03 Pesticide induced changes in central nervous function (cats)
 ** R01ES-00782-03 Pesticide-induced change during the perinatal period (mice, rats)
 R01ES-00803-03 Cellular response to environmental stress (slime molds)
 R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
 ** R01ES-00910-01 Pesticide behavioral teratology (mice)
 R01ES-00929-01 Structural studies of physiologically active agents
 ** R01ES-00937-01 Pesticides and transport across bilayer lipid membranes
 ** N01ES-42164-00 Exposure to airborne environmental agents (rats, rabbits, hamsters)
 ** R01FD-00033-03 Photolysis of pesticides (foods)
 P11GM-12675-10 0044 Biochemical toxicology and pharmacology - Porphyrins-Regulation by substrates for glycine N-acylase
 R01GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
 P01GM-17184-05 0016 Hereditary variations in man which modify drug toxicity - Mutation rates and effects of drugs on human cell mutation
 ** R01MH-12007-08 0003 Psychoactive phenolic amine analysis - Plasma levels of hydrocarbon pesticides
 ** R01NS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
 R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
 ** R01OH-00368-03 Occupational exposure to organophosphorus compounds (human)
 ** M01RR-00051-13 0109 General clinical research center - Acute phosdrin exposure (human)
 P07RR-00273-09 0022 Mass spectrometric facility for biomedical research - Naturally occurring organo-halogen compounds
 ** S06RR-08007-03 Virginia Union pesticide research program (rats)

PESTICIDES, ARTHROPODICIDES

SEE ALSO PESTICIDES, INSECTICIDES

- ** P01ES-00049-10 0011 Mode of action and metabolism of organic toxicants - Respiratory uncouplers-Metabolism and photodegradation (mites)

PESTICIDES, HERBICIDES

SEE ALSO PLANTS (GENERAL)*

- R01AM-13020-06 Drug and hormone effects on renal transport (human, rabbits, guinea pigs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01ES-00040-10 0004 Environmental toxicology of pesticides - Comparative metabolism of chemical toxicants (plants, rats)
 P01ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
 P01ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
- ** P01ES-00044-10 0003 Mechanisms of pesticide action - Action and metabolism of herbicides (plants, mammals nonhuman)
 ** P01ES-00049-10 0005 Mode of action and metabolism of organic toxicants - Chlorinated hydrocarbons-2,3,7,8-tetrachlorodibenzo-p-dioxin (rats, mice)
 ** P01ES-00049-10 0022 Mode of action and metabolism of organic toxicants - Thiocarbamate herbicides-Metabolism and mode of action (mice, plants)
 R01ES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)
 R01ES-00109-09 Interactions of pesticides, drugs and other chemicals (mice, rats, quail)
 R01ES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)
 P10ES-00210-07 0022 Center for environmental management - Pharmacodynamics of aromatic acids (rats)
- ** R01ES-00223-09 Comparative toxicology of certain pesticides (mice, human, algae, bacteria)
 ** R01ES-00412-06 0014 Mechanisms of insecticide resistance - Toxicity of herbicides (fish)
 R01ES-00507-15 Toxicologic interactions of insecticides (rats, mice)
 ** R01ES-00654-01 Photoreaction and herbicide metabolism
- PESTICIDES, HERBICIDES, ALGICIDES**
 ** P01ES-00223-09 Comparative toxicology of certain pesticides (mice, human, algae, bacteria)
- PESTICIDES, HERBICIDES, 3-AMINO-1H-1,2,4-TRIAZOLE**
 R01AM-13195-05 Carbon tetrachloride hepatotoxicity (rats, guinea pigs)
 R01CA-05310-14 Mechanism of action of beta-3TA (mice)
 R01GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
- PESTICIDES, HERBICIDES, PARAQUAT**
 ** R01ES-00560-03 Perinatal pesticide toxicity (mice, rats)
 ** R01ES-00926-01 Toxicology of paraquat (rats)
 P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
- PESTICIDES, INSECTICIDES**
 SEE ALSO ANTIBIOTICS, ANTIMYCIN
 R01AI-10187-04 Studies on antihormones (insects, plants)
 R01AI-10274-03 Effects of hormonemimetic compounds on culicids
 R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
 ** P01CA-12376-03 0023 Environmental carcinogenesis - Quantitative analysis of insecticides in adipose tissue (human)
 R01CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
 P10ES-00002-12 0008 Occupational and environmental health - Action of organophosphate insecticides (rats)
 P01ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
 ** P01ES-00044-10 0001 Mechanisms of pesticide action - Purification and characterization of cholinesterase (horse serum)
 P01ES-00049-10 0002 Mode of action and metabolism of organic toxicants - Pyrethroids metabolism (rats, mice, flies)
 ** P01ES-00049-10 0007 Mode of action and metabolism of organic toxicants - Photoisomers of chlorinated methano-bridged cyclodienes
 P01ES-00049-10 0008 Mode of action and metabolism of organic toxicants - Toxaphene (rats, insects, plants, microorganisms)
 P01ES-00049-10 0012 Mode of action and metabolism of organic toxicants - Binding sites of inhibitors and uncouplers in the respiratory chain
 ** P01ES-00049-10 0013 Mode of action and metabolism of organic toxicants - Organophosphorus insecticides-Selective toxicity, terminal residues (rats)
 ** P01ES-00049-10 0014 Mode of action and metabolism of organic toxicants - Thionophosphorus insecticides-Mixed function oxidase system (rodents, flies)
 ** P01ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
 ** P01ES-00049-10 0016 Mode of action and metabolism of organic toxicants - Biochemistry of teratogenesis induced by esterase inhibitors (mice, rats)
 ** P01ES-00049-10 0017 Mode of action and metabolism of organic toxicants - Sublethal effects of organophosphorus compounds and methyl carbamates in insects
- ** P01ES-00049-10 0019 Mode of action and metabolism of organic toxicants - Thiocyanate insecticide chemicals-Metabolism and mode of action (flies, mice)
 ** P01ES-00049-10 0024 Mode of action and metabolism of organic toxicants - Synergists for insecticide chemicals-Metabolism and mode of action (mammals)
 P01ES-00049-10 0025 Mode of action and metabolism of organic toxicants - Polycyclic phosphorus compounds with toxicological properties (mice, chicks)
 ** P01ES-00049-10 0026 Mode of action and metabolism of organic toxicants - I-Benzoyl-3-phenylurea-Metabolism and mode of action (insects)
 ** R01ES-00075-10 Enzyme mechanism of insecticide metabolism (rats)
 ** R01ES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)
 R01ES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)
 P10ES-00159-09 0027 Center for study of the human environment - Metabolic excretion from chlorinated hydrocarbon insecticides
 R01ES-00400-06 Microsomal enzymes (army worms, mammals)
 ** R01ES-00412-06 0002 Mechanisms of insecticide resistance - Effect of dual insecticide exposure on uptake, binding and enzymes (fish)
 R01ES-00412-06 0011 Mechanisms of insecticide resistance - Esterases (fish)
 ** R01ES-00412-06 0017 Mechanisms of insecticide resistance - Induction of microsomal mixed function oxidases and esterases (fish)
 ** R01ES-00507-15 Toxicologic interactions of insecticides (rats, mice)
 R01ES-00560-03 Perinatal pesticide toxicity (mice, rats)
 ** R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
 ** R01ES-00814-05 Mode of action of insecticides (American cockroach, flies)
 ** R01ES-00834-01 Effects of chlorinated hydrocarbons on mammals
 ** R01ES-00885-01 Effect of insecticides on cation transport and ATPase (human, animals)
 ** R01ES-00901-14 Mechanisms of insecticide selectivity (housefly, electric fish)
 P11GM-12675-10 0013 Biochemical toxicology and pharmacology - Diminished hepatic excretory capacity induced by drugs (rodents, miniature pigs)
 P11GM-12675-10 0053 Biochemical toxicology and pharmacology - Hepatotoxicity of various agents in fetus, newborn and adult animals (rats, mice)
 ** R01NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)
 ** W01RR-00069-12 0096 General clinical research center, children - Treatment of pesticide poisoning
 ** S06RR-08000-03 Biomedical effects of mercury and insecticides (Rust College)
- PESTICIDES, INSECTICIDES, CARBAMATE INSECTICIDES, SEVIN**
 ** P01ES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
 P01ES-00735-01 0006 Public health hazards and environmental fate of parathion - Parathion induced enzymic changes in rat brain
- PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, ALDRIN**
 R01ES-00362-16 Detoxication mechanisms in insects (houseflies)
 ** R01ES-00412-06 0001 Mechanisms of insecticide resistance - Binding of organochlorine compounds in fish tissues
 ** R01ES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)
 R01NS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)
- PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, CHLORDANE**
 R01AM-16774-02 Structural parameters in hepatic disease (rats)
 P01ES-00049-10 0007 Mode of action and metabolism of organic toxicants - Photoisomers of chlorinated methano-bridged cyclodienes
 P10ES-00159-09 0027 Center for study of the human environment - Metabolic excretion from chlorinated hydrocarbon insecticides
 ** R01ES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)
 R01GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
- PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, DDD**
 ** R01AM-02767-14 Evaluation of adrenocortical inhibitors (human, dogs)
 R01CA-08349-09 Potential tumor or organ imaging agents
 P01CA-12376-03 0023 Environmental carcinogenesis - Quantitative analysis of insecticides in adipose tissue (human)
- P01ES-00054-10 0009 Environmental impact of chlorinated hydrocarbons - Analytical methodology
 P01ES-00054-10 0012 Environmental impact of chlorinated hydrocarbons - Accelerated microbial degradation
 P01ES-00054-10 0015 Environmental impact of chlorinated hydrocarbons - Comparative detoxication of pesticides (monkeys, rodents, birds, amphibians)
 P01ES-00054-10 0016 Environmental impact of chlorinated hydrocarbons - Chemico-biological interactions in the Rhesus monkey
 R01ES-00974-01 Renal handling of DDA and its implications (flounder)
- PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, DDE**
 R01AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)
 P01ES-00054-10 0008 Environmental impact of chlorinated hydrocarbons - Analytical methodology
 P01ES-00054-10 0012 Environmental impact of chlorinated hydrocarbons - Accelerated microbial degradation
 P01ES-00054-10 0016 Environmental impact of chlorinated hydrocarbons - Chemico-biological interactions in the Rhesus monkey
 P10ES-00210-07 0032 Center for environmental management - Pesticides in central and western Oregon (hawks)
 R01ES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)
 ** R01ES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
 R01ES-00974-01 Renal handling of DDA and its implications (flounder)
 R01ES-01056-01 Hydromethylchlorophenyls-Degradation products by PCB'S
- PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, DDT**
 R01AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
 ** R01AM-15973-03 Physiology and morphology of cell transport (human, rats, mice, birds, fish)
 P01AM-16281-02 0016 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum (rats, dogs)
 R01AM-16774-02 Structural parameters in hepatic disease (rats)
 R01AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)
 P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
 R01CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
 P01CA-12376-03 0023 Environmental carcinogenesis - Quantitative analysis of insecticides in adipose tissue (human)
 P01CA-13343-02 0015 Environmental cancer - Toxicology-Mouse population studies
 ** P01ES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)
 P01ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
 ** P01ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 ** P01ES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
 ** P01ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
 P01ES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)
 P01ES-00044-10 0007 Mechanisms of pesticide action - Intracellular distribution of pesticides (insects, mice)
 ** P01ES-00054-10 0009 Environmental impact of chlorinated hydrocarbons - Analytical methodology
 P01ES-00054-10 0012 Environmental impact of chlorinated hydrocarbons - Accelerated microbial degradation
 P01ES-00054-10 0016 Environmental impact of chlorinated hydrocarbons - Chemico-biological interactions in the Rhesus monkey
 P10ES-00159-09 0027 Center for study of the human environment - Metabolic excretion from chlorinated hydrocarbon insecticides
 R01ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
 P10ES-00210-07 0017 Center for environmental management - Lipid chemical interaction
 ** P10ES-00210-07 0019 Center for environmental management - Environmental chemicals and tumor virus expression-induction (rabbits)
 ** P10ES-00210-07 0020 Center for environmental management - DDT and transfer RNA metabolism (rats)
 ** P10ES-00210-07 0028 Center for environmental management - DDT and growth and carbon fixation of *S. capricornutum*

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIES-00362-16 Detoxication mechanisms in insects (houseflies)
- ** ROIES-00412-06 0001 Mechanisms of insecticide resistance - Binding of organochlorine compounds in fish tissues
- ** ROIES-00412-06 0009 Mechanisms of insecticide resistance - DDT conversion (fish)
- ROIES-00552-01 Mouse populations as test systems in toxicology
- ROIES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)
- ROIES-00620-03 Pesticide induced changes in central nervous function (rats)
- ROIES-00814-05 Mode of action of insecticides (American cockroach, flies)
- ** ROIES-00819-01 Perinatal manipulation of neuroendocrine development (women, rats)
- ROIES-00901-14 Mechanisms of insecticide selectivity (housefly, electric fish)
- ** ROIES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
- ROIES-00974-01 Renal handling of DDA and its implications (flounder)
- ROIES-01056-01 Hydroxychlorobiphenyls-Degradation products by PCB'S
- PIIGM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
- PIIGM-15190-08 0015 Center for toxicological research and training - Drugs affecting autonomic nervous system (rats, human)
- PIIGM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
- ** POIHD-02274-08 0096 Mental retardation and child development - Effect of xenobiotic agents on reproduction (rats)
- ROIMH-12007-08 0003 Psychoactive phenolic amine analysis - Plasma levels of hydrocarbon pesticides
- ROINS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)

PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, DIELDRIN

- POIES-00040-10 0001 Environmental toxicology of pesticides - Pesticide-stressor interactions with microsomal enzymes (rats)
- ** POIES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
- ** POIES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
- ** POIES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
- ** POIES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
- ** POIES-00040-10 0010 Environmental toxicology of pesticides - Psychobiological effects of pesticides (rats, quail)
- ** POIES-00040-10 0012 Environmental toxicology of pesticides - Effects of dieldrin on aquatic animals (fish)
- POIES-00044-10 0007 Mechanisms of pesticide action - Intracellular distribution of pesticides (insects, mice)
- PIOES-00159-09 0027 Center for study of the human environment - Metabolic excretion from chlorinated hydrocarbon insecticides
- ROIES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- PIOES-00210-07 0018 Center for environmental management - Histone IV binding
- PIOES-00210-07 0026 Center for environmental management - Biochemical toxicology (swine, rats)
- PIOES-00210-07 0027 Center for environmental management - Prediction of effects of environmental toxicants
- PIOES-00210-07 0030 Center for environmental management - Histopathology of lungs of rats
- PIOES-00210-07 0032 Center for environmental management - Pesticides in central and western Oregon (hawks)
- PIOES-00210-07 0034 Center for environmental management - Estimating growth parameters in linear model (rats)
- ** ROIES-00412-06 0001 Mechanisms of insecticide resistance - Binding of organochlorine compounds in fish tissues
- ** ROIES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)
- PIIGM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
- ROIMH-12007-08 0003 Psychoactive phenolic amine analysis - Plasma levels of hydrocarbon pesticides
- ROINS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)

PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, ENDRIN

- ** POIES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
- PIOES-00159-09 0027 Center for study of the human environment - Metabolic excretion from chlorinated hydrocarbon insecticides
- ** ROIES-00412-06 0001 Mechanisms of insecticide resistance - Binding of organochlorine compounds in fish tissues
- ROIES-00412-06 0014 Mechanisms of insecticide resistance - Toxicity of herbicides (fish)

PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, HEPTACHLOR

- POIES-00049-10 0007 Mode of action and metabolism of organic toxicants - Photoisomers of chlorinated methanobridged cyclodienes
- PIOES-00210-07 0026 Center for environmental management - Biochemical toxicology (swine, rats)
- ROIES-00362-16 Detoxication mechanisms in insects (houseflies)
- ** ROIES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)

PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, KELTHANE

- ** POIES-00054-10 0011 Environmental impact of chlorinated hydrocarbons - Translocation of hydrocarbons in aquatic food chain (algae, insects, fish)
- POIES-00054-10 0012 Environmental impact of chlorinated hydrocarbons - Accelerated microbial degradation
- POIES-00054-10 0015 Environmental impact of chlorinated hydrocarbons - Comparative detoxication of pesticides (monkeys, rodents, birds, amphibians)
- POIES-00054-10 0016 Environmental impact of chlorinated hydrocarbons - Chemico-biological interactions in the Rhesus monkey
- ** ROIES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)

PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, TOXAPHENE

- POIES-00040-10 0001 Environmental toxicology of pesticides - Pesticide-stressor interactions with microsomal enzymes (rats)
- ** POIES-00049-10 0008 Mode of action and metabolism of organic toxicants - Toxaphene (rats, insects, plants, microorganisms)

PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES

- ** POIES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster coll as model of cadmium intoxication
- ** ROIES-00840-01 Cellular studies of vertebrate insecticide resistance (mosquitofish)

PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, DIAZINON

- POIES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)

PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, GUTHION

- ** POIES-00002-12 0008 Occupational and environmental health - Action of organophosphate insecticides (rats)
- PIOES-00002-12 0009 Occupational and environmental health - Organophosphate toxicity and tissue hydrolases (rodents, chickens, frogs, fish)

PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, MALATHION

- ** POIES-00002-12 0009 Occupational and environmental health - Organophosphate toxicity and tissue hydrolases (rodents, chickens, frogs, fish)
- POIES-00735-01 0006 Public health hazards and environmental fate of parathion - Parathion induced enzymic changes in rat brain
- ** ROIHD-03484-08 0002 Developmental studies on the turtle - Effect of teratogenic agents

PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, PARATHION

- ** POIES-00002-12 0008 Occupational and environmental health - Action of organophosphate insecticides (rats)
- PIOES-00002-12 0009 Occupational and environmental health - Organophosphate toxicity and tissue hydrolases (rodents, chickens, frogs, fish)
- ** POIES-00002-12 0010 Occupational and environmental health - Inhalation toxicology (rats)
- POIES-00040-10 0001 Environmental toxicology of pesticides - Pesticide-stressor interactions with microsomal enzymes (rats)
- ** POIES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
- POIES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)
- POIES-00044-10 0007 Mechanisms of pesticide action - Intracellular distribution of pesticides (insects, mice)
- POIES-00049-10 0016 Mode of action and metabolism of organic toxicants - Biochemistry of teratogenesis induced by esterase inhibitors (mice, rats)
- ** ROIES-00075-01 Enzyme mechanism of insecticide metabolism (rats)
- ROIES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)
- ROIES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- ** POIES-00267-07 0006 Center for environmental toxicology - Metabolism of phosphorothionate insecticides (rats)
- ** POIES-00454-06 0019 Biological effects of environmental agents - Central inhibition of respiration by organophosphate insecticides (guinea pigs)
- M POIES-00735-01 Public health hazards and environmental fate of parathion
- ** POIES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
- ** POIES-00735-01 0002 Public health hazards and environmental fate of parathion - Penetration, uptake and degradation products (fruits, vegetables)
- ** POIES-00735-01 0003 Public health hazards and environmental fate of parathion - Deposit and drift (air, soil, plants, insects, human)
- ** POIES-00735-01 0006 Public health hazards and environmental fate of parathion - Parathion induced enzymic changes in rat brain
- ** POIES-00735-01 0008 Public health hazards and environmental fate of parathion - Decontamination of parathion spills and wastes (biophysical and microbial agents)

PESTICIDES, INSECTICIDES, PLANT POISONS, PYRETHRINS

- ** POIES-00049-10 0001 Mode of action and metabolism of organic toxicants - Pyrethroids radiosynthesis
- ** POIES-00049-10 0002 Mode of action and metabolism of organic toxicants - Pyrethroids metabolism (rats, mice, flies)
- ** POIES-00049-10 0003 Mode of action and metabolism of organic toxicants - Pyrethroids photodecomposition
- ** POIES-00049-10 0004 Mode of action and metabolism of organic toxicants - Pyrethroids mode of action (milkweed bugs)
- ROIES-00412-06 0012 Mechanisms of insecticide resistance - Species tolerance to rotenone (fish)
- ** ROIES-00412-06 0013 Mechanisms of insecticide resistance - Mechanism of resistance to rotenone and pyrethrum (fish)
- ROINS-06855-08 Mode of action of insecticides-electrophysiological (crayfish, squid, frogs)

PESTICIDES, INSECTICIDES, PLANT POISONS, ROTENONE

- POIAM-15512-03 0011 University of Wisconsin program project in nephrology - Renal metabolism in health and disease (dogs, human, rats)
- ROICA-03641-18 The coupling of coenzyme-linked oxidoreductions
- ** POIES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoalteration (mice, rats, fish)
- POIES-00049-10 0012 Mode of action and metabolism of organic toxicants - Binding sites of inhibitors and uncouplers in the respiratory chain
- ** ROIES-00412-06 0012 Mechanisms of insecticide resistance - Species tolerance to rotenone (fish)
- ** ROIES-00412-06 0013 Mechanisms of insecticide resistance - Mechanism of resistance to rotenone and pyrethrum (fish)

PESTICIDES, INSECTICIDES RESIDUE

- ** POIES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
- ** POIES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)

(cont'd)

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- ** POIES-00044-10 0007 Mechanisms of pesticide action - Intracellular distribution of pesticides (insects, mice)
- ** POIES-00049-10 0008 Mode of action and metabolism of organic toxicants - Toxaphene (rats, insects, plants, microorganisms)
- ** POIES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoalteration (mice, rats, fish)
- ** POIES-00049-10 0013 Mode of action and metabolism of organic toxicants - Organophosphorus insecticides-Selective toxicity, terminal residues (rats)
- ** POIES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
- ** POIES-00049-10 0018 Mode of action and metabolism of organic toxicants - Juvenoids-Radiosynthesis, metabolism, photoalteration (insects, algae)
- ** ROIES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- ** ROIES-00205-21 Insecticide metabolism in animals and microorganisms (plants, insects, mammals)
- ROIES-00472-05 Hepatocellular metabolism of chlorinated hydrocarbons (rats, monkeys)
- ROIES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)
- ** ROIES-00634-03 Biochemistry of arsenate (plants)
- ** ROIES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
- ** POIES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
- ** POIES-00735-01 0002 Public health hazards and environmental fate of parathion - Penetration, uptake and degradation products (fruits, vegetables)
- POIES-00735-01 0003 Public health hazards and environmental fate of parathion - Deposit and drift (air, soil, plants, insects, human)
- ** ROIES-00908-03 Effects and metabolism of photoisomers of cyclodienes (animals)
- ROIES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
- ROIFD-00033-03 Photolysis of pesticides (foods)
- ROIHD-01831-09 Factors maintaining biochemical polymorphisms
- ** POINS-11647-01 0005 Peripheral and central auditory mechanisms - Pharmacological and surgical intervention in the cochlea (cats, guinea pigs)

PESTICIDES, INSECTICIDES RESISTANCE

- ROIAI-09902-04 Microsomal mixed-function oxidases (flies)
- RO7AI-10049-15 0009 International center for medical research - Malaria in West Pakistan-Biological control of vectors in urban areas
- ** POIES-00044-10 0002 Mechanisms of pesticide action - Molecular basis for comparative toxicity (insects, mammals nonhuman)
- ** POIES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)
- ** POIES-00049-10 0023 Mode of action and metabolism of organic toxicants - Biochemical genetics of insecticide chemical resistance in insects (flies)
- ROIES-00205-21 Insecticide metabolism in animals and microorganisms (plants, insects, mammals)
- ** ROIES-00296-06 Pesticide resistance studies (Pine mice)
- ** ROIES-00362-16 Detoxication mechanisms in insects (houseflies)
- ROIES-00400-06 Microsomal enzymes (army worms, mammals)
- M ROIES-00412-06 Mechanisms of insecticide resistance
- ** ROIES-00412-06 0001 Mechanisms of insecticide resistance - Binding of organochlorine compounds in fish tissues
- ** ROIES-00412-06 0002 Mechanisms of insecticide resistance - Effect of dual insecticide exposure on uptake, binding and enzymes (fish)
- ** ROIES-00412-06 0003 Mechanisms of insecticide resistance - ATPase (fish)
- ** ROIES-00412-06 0004 Mechanisms of insecticide resistance - Oxidative enzyme studies (fish)
- ** ROIES-00412-06 0005 Mechanisms of insecticide resistance - Tissue culture (fish)
- ** ROIES-00412-06 0006 Mechanisms of insecticide resistance - Blood-brain barrier (fish)
- ** ROIES-00412-06 0007 Mechanisms of insecticide resistance - Sites of action of organochlorine compounds in central nervous tissue (fish)
- ** ROIES-00412-06 0008 Mechanisms of insecticide resistance - Myelin structure (fish)
- ** ROIES-00412-06 0009 Mechanisms of insecticide resistance - DDT conversion (fish)
- ** ROIES-00412-06 0010 Mechanisms of insecticide resistance - Phosphatases (fish)
- ** ROIES-00412-06 0011 Mechanisms of insecticide resistance - Esterases (fish)
- ** ROIES-00412-06 0012 Mechanisms of insecticide resistance - Species tolerance to rotenone (fish)
- ** ROIES-00412-06 0013 Mechanisms of insecticide resistance - Mechanism of resistance to rotenone and pyrethrum (fish)

- ROIES-00412-06 0014 Mechanisms of insecticide resistance - Toxicity of herbicides (fish)
- ** ROIES-00412-06 0015 Mechanisms of insecticide resistance - Effects of glucocorticoids on insecticide-degrading and target enzymes (fish)
- ** ROIES-00412-06 0016 Mechanisms of insecticide resistance - Effect of pesticides on hormone levels and enzyme activity (fish)
- ROIES-00412-06 0017 Mechanisms of insecticide resistance - Induction of microsomal mixed function oxidases and esterases (fish)
- ** ROIES-00412-06 0018 Mechanisms of insecticide resistance - Cyclic nucleotides in toxic action of and in resistance to insecticides (fish)
- ** ROIES-00619-03 Mechanism of tolerance to organophosphorus insecticides (rats)
- ROIES-00814-05 Mode of action of insecticides (American cockroach, flies)
- ** ROIES-00840-01 Cellular studies of vertebrate insecticide resistance (mosquitofish)
- ROIES-00901-14 Mechanisms of insecticide selectivity (housefly, electric fish)

PESTICIDES, PISCICIDES

- ROIFD-00120-09 Algal intoxication in shellfish (mollusks, dinoflagellates)

PESTICIDES, RODENTICIDES

- ** ROIES-00296-06 Pesticide resistance studies (Pine mice)

PESTICIDES INTERACTION

- SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), PESTICIDES INTERACTION

PESTICIDES RESIDUE

- SEE ALSO PESTICIDES, INSECTICIDES RESIDUE
- POIES-00040-10 0001 Environmental toxicology of pesticides - Pesticide-stressor interactions with microsomal enzymes (rats)
- ** POIES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
- POIES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
- ** POIES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coenot
- M POIES-00049-10 Mode of action and metabolism of organic toxicants
- ** POIES-00049-10 0006 Mode of action and metabolism of organic toxicants - Use of photosensitizers in regulating the persistence of pesticide chemicals
- ** POIES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoalteration (mice, rats, fish)
- ** POIES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals-Metabolism and photodecomposition (rodents)
- ** POIES-00049-10 0020 Mode of action and metabolism of organic toxicants - N-chloroallylthio fungicides-Metabolism and terminal residue (rodents)
- ROIES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)
- ROIES-00654-01 Photoaction and herbicide metabolism
- ROIES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)
- ** ROIES-22084-06 Long range toxicologic effect of specific fungicides (rats, mice)

PESTICIDES RESISTANCE

- SEE ALSO PESTICIDES, INSECTICIDES RESISTANCE
- POIES-00040-10 0012 Environmental toxicology of pesticides - Effects of dieldrin on aquatic animals (fish)
- M POIES-00049-10 Mode of action and metabolism of organic toxicants
- POIES-00049-10 0011 Mode of action and metabolism of organic toxicants - Respiratory uncouplers-Metabolism and photodegradation (mites)
- POIES-00049-10 0021 Mode of action and metabolism of organic toxicants - Arythiouras-Metabolism and mode of action (mice, Drosophila)

PETROLEUM OILS

- POICA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ** POZCA-13525-03 0013 Program for treatment of malignant brain tumors - Isolation and purification of virus-like particles (hamsters)
- R25DA-00969-01 Indian drug abuse research
- ROIES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)

PEYOTE ALKALOIDS

- SEE ALKALOIDS, PEYOTE

PGK DEFICIENCY

- SEE METABOLIC DISORDERS INBORN, PHOSPHOGLYCERATE KINASE DEFICIENCY

PH

- SEE BODY FLUID BALANCE, ACID-BASE

PH (HYDROGEN ION CONCENTRATION)

- SEE ACIDS-BASES, HYDROGEN-ION CONCENTRATION

PHAEOPHYTA

- SEE ALGAE, PHAEOPHYTA*

PHAGE

- SEE VIRUSES, BACTERIOPHAGE*

PHAGE TYPING

- SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, PHAGE TYPING

PHAGOCYTE DYSFUNCTION OF LEUKOCYTES (GENERAL)

- SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, PHAGOCYTE DYSFUNCTION (GENERAL)

PHAGOCYTES

- SEE CELLS, PHAGOCYTES

PHAGOCYTOSIS

- SEE CELL INGESTION, PHAGOCYTOSIS

PHANTOM MODELS

- SEE MODELS, PHANTOM

PHARMACISTS

- SEE DRUGS, PHARMACISTS

PHARMACOGENETICS

- SEE GENETICS, PHARMACOGENETICS*

PHARMACOLOGY

- SEE DRUGS, PHARMACOLOGY

PHARMACOLOGY, BIOCHEMICAL

- SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

PHARMACOLOGY STUDY SECTION

- ** ROIAI-04214-14 Effects of chemical agents on glycolytic enzymes (fishes, rats)
- R22AI-08022-07 Schistosomiasis research center (mice)
- M R22AI-09029-06 Cholera toxin and intestinal ion transport
- ** ROIAM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
- ** ROIAM-05427-13 Biochemistry of the adrenal medulla (cats, rabbits, guinea pigs)
- ** ROIAM-06818-13 Pharmacology of angiographic and cholegraphic agents (dogs, rats)
- ** ROIAM-07681-09 Adrenergic components of lipid metabolism (rats)
- ** ROIAM-09237-09 The action of calcium on secretion
- ** ROIAM-09582-11 Pharmacology of intestinal bile salt transport (human, rodents)
- ** ROIAM-10155-09 Metabolism and function of histamine (mice, rats, guinea pigs)
- ROIAM-10960-08 Topochemistry of urease and its hydrazamate inhibitors (plants, bacteria, rodent)
- ** ROIAM-13020-06 Drug and hormone effects on renal transport (human, rabbits, guinea pigs)
- ** ROIAM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
- ** ROIAM-14145-05 Pharmacology of renal tubular excretory transport (chicken)
- ** ROIAM-14763-02 Chemical inhibitors of histidine decarboxylase (rats)
- ** ROIAM-14873-05 Transport processes in lipid membranes and renal tubules (rabbits, sheep)
- ROIAM-15022-03 Cyanocobalamin derivatives and growth and development under stress (mice)
- ** ROIAM-15162-03 Factors affecting renal lithium elimination (human, rats)
- ** ROIAM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
- ** ROIAM-15347-04 False neurotransmitters and heptatic failure (humans, rabbits, rats)
- ** ROIAM-16082-03 Pharmacology of salicylates and hepatic function (cattle, rabbits)
- ** ROIAM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
- ** ROIAM-16552-01 Hepatic excretion of anionic drugs
- ** ROIAM-16678-01 Role of the mitochondria in hepatic drug metabolism (rats)
- ** ROIAM-16690-02 Folic acid binding protein and folate metabolism (human)
- ** ROIAM-16715-03 Anesthetic-drug interactions with the liver (rats)
- ** ROIAM-16811-01 Biogenesis of catecholamine storage vesicles (rats, cattle)
- ** ROIAM-16960-01 Drug distribution-Renal parenchyma, loop of henle
- ** ROIAM-17438-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)
- ** ROIAM-17468-01 Immunochemical studies of multiple forms of MAO
- ** ROIAM-17496-01 Role of hormones in stress
- ** ROIAM-17692-01 Control of enzyme release from human neutrophils
- ** ROIAM-18066-01 Action of calcium on secretion (cats, rabbits)
- ROICA-02373-19 Nucleoside and nucleotide derivatives
- ROICA-04175-16 Cell culture studies on drugs and antimetabolites

(contd)

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M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- M R01CA-04679-15 Biology of normal and malignant melanocytes
R01CA-05298-14 Cellular pharmacology of folate antagonists (human, rats, mice)
- M R01CA-05671-14 Glucocorticoid receptors in normal and malignant tissue
R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
- M R01CA-07340-11 Coenzymes containing purine and pyrimidine analogs
R01CA-07522-10 Cofactor inhibition of thymidylate synthetase
- ** R01CA-08010-10 Mechanism of action of folate antagonists (human, mice, dogs, guinea pigs)
** R01CA-08290-09 Chemotherapeutic deoxynucleosides and other agents
R01CA-08793-08 Chemistry and pharmacology of vitamin B6 antagonists
** R01CA-08976-08 Folate reductase induction, suppression, therapeutics (human, rabbits, bacteria)
** R01CA-10250-08 Glyceral-P dehydrogenase in differentiation and cancer (rodents, rabbits, rats)
R01CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
** R01CA-10735-07 Population kinetics of tumors in vivo
R01CA-10914-06 Studies on homofolic acid derivatives (bacteria)
- ** R01CA-11113-06 Tumor inhibitory enzymes (human, mice, guinea pigs)
R01CA-11446-06 Tryptophan hematologic and neoplastic disease (human, mice, brown recluse spider)
R01CA-11714-03 Potential inhibitors of asparagine biosynthesis (rats, human)
R01CA-11881-05 Research with enzymes as antitumor agents (human, mice animals)
R01CA-11939-03 Chemical carcinogenesis and mammalian DNA replication (mice, hamsters)
R01CA-11946-05 Carcinogenicity and metabolism of 5-nitrofurans (rats, mice, hamsters)
- ** R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
R01CA-12043-03 Biophysical and clinical studies of melanoma (human, mice)
R01CA-12166-02 Brain tumor micro-chemistry and chemotherapy
R01CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
R01CA-12736-02 Leucogenol and basic compounds of the adrenals (rat)
R01CA-12743-03 Specific mitotic inhibition of leukemic lymphocytes
R01CA-12763-03 Mutation repair and environmental carcinogens
R01CA-12790-03 Substrate transport in human leukocytes
R01CA-12791-03 Pharmacology of platinum compounds (mice)
R01CA-12967-02 Serum and cancer growth factors (rats, mice)
R01CA-13032-03 in vitro system for detection of preinvasive carcinoma (mice)
R01CA-13074-02 Exploitable differences in tumor cell metabolism
R01CA-13102-02 Chemotherapeutic agents and hepatomas
R01CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)
R01CA-13105-03 Chemotherapy and tumor-specific immunity (human)
** R01CA-13153-03 Stabilized polynucleotides-Interferon inducers
R01CA-13155-03 Early and critical events in chemical carcinogenesis (mice, rats)
** R01CA-13179-03 Role of altered nucleic acid in carcinogenesis (rats)
R01CA-13190-02 Human tumor-Specific immunity
R01CA-13259-02 Enzyme injections and tumor growth (human, mice)
R01CA-13296-02 Selective activation of pyrimidine antimetabolites (mice)
R01CA-13297-03 Drug-induced oncogenesis in autoimmune NZB/NZW mice
R01CA-13302-02 Vitamin B6, steroids and energy in cancer patients
R01CA-13712-02 Effect of asparaginase on sensitivity to other drugs (mice, human)
R01CA-13714-02 Neurosurgical use of chemotherapeutic agents (dogs)
R01CA-13715-02 Amelioration of enhanced toxicity of antitumor drugs (mice)
R01CA-13897-02 Brain tumor chemotherapy with semipermeable membranes (dogs)
R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
R01CA-14084-02 Role of carcinogen in nucleic acid metabolism (rats)
R01CA-14146-02 Inhibition of chemical carcinogenesis by antioxidants (mice)
R01CA-14223-02 Measurement of cell response to anticancer drugs
- R01CA-14322-02 Anticancer action and mechanism of nucleotide analogs
R01CA-14323-02 Neuraminidase and cell-mediated immunity (human, mice)
R01CA-14327-02 Transfer factor immunotherapy of cancer
R01CA-14360-02 Immunosuppressant effects of sedative hypnotic drugs
R01CA-14365-02 Cell cycle in relation to cancer chemotherapy
R01CA-14387-02 Organ cultures and carcinogens (human, animals)
** R01CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
R01CA-14432-02 Tumor cell proliferation (rats)
R01CA-14532-02 Pathophysiology of leukemia in guinea pigs
** R01CA-14658-02 Murine model for neuroblastoma chemotherapy in man
** R01CA-14864-01 Leukocyte transfusions and immunotherapy in leukemia
R01CA-14985-02 5-Bromo-deoxyuridine effects on marrow and tumor cells (mice, rats)
R01CA-15397-02 Drug sensitivity of mammalian cells in plateau phase
** R01DE-03327-03 Drug movement into saliva (rats)
** R01DE-03565-01 Oral carcinogenic actions of betel nut and tobacco
** R01GM-11598-11 Drug effects on salute transport across epithelia (frogs, hamsters)
** R01GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
R01GM-16031-13 Amphibian toxins-Chemistry and pharmacology (frogs, fish, cats)
** R01GM-16498-06 Metabolism of volatile fluorinated anesthetics in man
** R01GM-16503-06 Alteration in drug metabolism by certain carbamates (chickens, rabbits, human)
** R01GM-16811-05 Role of cyclic GMP and cyclic AMP (animals)
** R01GM-17158-03 Metabolism of volatile anesthetics (human, rats)
** R01GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)
** R01GM-18279-04 Drug transference and sensitivity in abnormal states (human)
** R01GM-18360-03 Kinetic studies on drug-protein complex formation
** R01GM-18740-01 Structure and mode of action of compound 48/80
R01GM-19084-03 Ribonuclease inhibition by inducing agents (rats, mice)
** R01GM-19568-07 Pharmacokinetics and salicylate elimination in children
** R01GM-19813-02 Anesthetic alteration of cell structure and function (mice, decapods)
R01GM-19815-02 Metabolic study of hypocholesteremic pyridine (rats, monkeys)
** R01GM-19853-01 Metabolism of common plasticizers
** R01GM-20091-01 Cardiac dysfunctions caused by histamine release (guinea pigs, monkeys, rabbits)
** R01GM-20327-01 Factors influencing gastrointestinal drug absorption (human)
** R01GM-20340-01 Circadian rhythms in drug response and drug metabolism
** R01GM-21042-01 Regulation of biotransformation in the liver
** R01GM-21181-01 Control of active cation transport
** R01GM-21235-01 Pharmacologic studies of circulatory shock (cats)
** R01GM-21429-01 Renal pharmacology of dopamine and prostaglandins (dogs)
** R01GM-21721-01 Ionic selectivity of ionophorus antibiotics
R01GM-21723-01 N-acetylation of drugs-Biochemical and pharmacogenetic studies (rabbits, rats)
** R01GM-21724-01 Effects of neuroactive agents on nerve conduction
** R01GM-21727-01 Renal pharmacology of dopamine and prostaglandins (dogs)
** R01GM-21738-01 Antagonism of cyanide intoxication with oxygen
** R01GM-21739-01 Fetal and neonatal serum drug binding
R01HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
** R01HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
M R01HD-04839-05 Metabolism of drug substrates by human placenta
** R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
** R01HD-05935-03 Anesthetic and myometrial contractility (human, rats)
** R01HD-07091-02 Distribution and functions of ACH in placenta (human)
** R01HL-01813-20 Regulation of metabolism by drugs and hormones (rats)
** R01HL-02835-17 Renal transport carrier for organic compounds (dogs)
R01HL-02875-16 Mechanism of the action of cardiac glycosides (dogs)
- ** R01HL-02953-17 Autonomic and cardiovascular pharmacology (rats, rabbits, dogs, guinea pigs)
** R01HL-05806-14 Analysis of antiarrhythmic agents (dogs, rabbits)
** R01HL-06642-11 Tritiated digoxin (human, rabbits, dogs)
R01HL-07564-13 Experimental shock (rats)
** R01HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)
** R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
** R01HL-08058-12 Metabolism of coumarin anticoagulant drugs in man (human, rats)
** R01HL-08311-11 Effects of drugs upon myocardial hypoxia (dogs, turtles)
** R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
** R01HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
** R01HL-09283-10 Pharmacology of molluscan hearts
** R01HL-09567-09 Biophysical mechanisms of cardiac membrane responses (guinea pigs)
** R01HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
** R01HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
** R01HL-10626-06 Adrenergic responses of the splanchnic circulation (dogs)
R01HL-10842-06 Antihypertensive agents-Pharmacology (humans, animals)
** R01HL-10884-08 Cardiac glycosides-Mechanisms of cellular action (human, animals)
** R01HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
** R01HL-12186-06 Drugs and mechanical properties of striated muscle
** R01HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)
** R01HL-12462-05 Pharmacologic studies on vascular smooth muscle (dogs, rats)
R01HL-12647-05 Norepinephrine in vascular tissue
** R01HL-12648-05 Catecholamine metabolism in hypertensive diseases (human, rats)
R01HL-12736-05 Pharmacology of cardiac glycosides (human, dogs)
** R01HL-12740-06 Hypocholesterolemic agents-Stereochemistry (rats)
M R01HL-13187-05 Central neural control of cardiovascular function
** R01HL-13306-04 Electrophysiology of heart muscle (cattle)
** R01HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
** R01HL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)
** R01HL-13607-04 Role of catecholamines in hypertension (human)
** R01HL-13618-04 Drug dosage in man-Initial studies with digoxin
** R01HL-13675-04 Neuropharmacology of the heart (cats)
** R01HL-13870-04 Control of myocardial sarcotubular calcium stores (dogs)
** R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
** R01HL-14325-03 Digitalis effects-Mechanism and reversal studies (human, animals)
** R01HL-14326-03 Antiarrhythmic drug evaluation (dogs)
** R01HL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, monkeys)
** R01HL-14539-04 Metabolism of digitalis steroids in man
** R01HL-14649-03 Metabolic aspects of endotoxin shock (guinea pigs, dogs, rats)
** R01HL-14682-02 PH and properties of antiarrhythmic drugs (cats, human)
** R01HL-14775-03 Mechanisms of drug action in vascular smooth muscle (dog, rabbits)
** R01HL-14796-02 New antifibrinolytic drug (rabbits, cats, dogs)
** R01HL-14873-02 Sickle cell disease-Biological effects of cyanate (human, mammals)
** R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
** R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
** R01HL-15011-02 Altered adrenergic function in essential hypertension (human, rats)
** R01HL-15313-02 Cyclic AMP metabolism in leukocytes from asthmatics
** R01HL-15392-02 Sympathomimetic and circulations of anesthetics (mammals)
** R01HL-15426-01 Cardiac monoamine oxidase (rats, human, guinea pigs)
** R01HL-15447-02 Vascular role of prostaglandin and cyclic nucleotides (rats)
** R01HL-15696-02 Molecular basis of regulation of heart function (rats)
** R01HL-15697-02 Circulatory system effects of angiotensin analogs (rats)
** R01HL-15698-08 Factors affecting the action of anticoagulants (rats, human)
** R01HL-15802-01 Digitalis-Mechanism of cardiac sympathetic effects (cats)

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(contd)

** RO1HL-15805-02 Cerebral arterial reactivity and spasm (rabbits)
 ** RO1HL-15851-01 Interaction of cardiac and vasoactive drugs with cells
 ** RO1HL-15907-01 Steroid metabolism in patients with bronchial asthma (human)
 ** RO1HL-15985-02 Metabolic and hormonal control of cardiac contraction
 RO1HL-15991-01 Evaluation of heart stimulants in sea anemones
 ** RO1HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
 ** RO1HL-16003-04 Sources and roles of calcium in smooth muscle excitation
 ** RO1HL-16037-01 Molecular properties of cardiac adrenergic receptors
 ** RO1HL-16179-01 Action of vascular and other smooth muscle inhibitors
 RO1HL-16264-01 Role of inflammatory hormones in chronic lung disease
 ** RO1HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
 ** RO1HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
 M RO1HL-16320-02 Vasoactive peptides which stimulate smooth muscles
 RO1HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
 RO1HL-16353-02 Pharmacologic evaluation of neurovascular dilation
 ** RO1HL-16437-01 Drug treatment of atherosclerosis (rabbits, monkeys)
 ** RO1HL-16611-01 Digitalis-receptor of the heart
 ** RO1HL-16671-01 Action of sympathomimetic amines (dogs, cats, rats)
 ** RO1HL-16778-01 Cardiac pharmacology of phenothiazine metabolites
 ** RO1MH-21413-03 Enzyme induction and transport in adrenergic nerves (human, animals)
 ** RO1NS-00282-22 Neurohumoral transmitters and related drugs (animals)
 ** RO1NS-01396-17 Structure activity relationships to autonomic agents
 ** RO1NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
 ** RO1NS-03178-12 Myotonic muscle (goats, mice, rats, birds, wallabies)
 RO1NS-03321-13 Electrolytes in nerve and muscle function (frogs)
 RO1NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
 ** RO1NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)
 ** RO1NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
 ** RO1NS-04618-11 Drug-receptor interactions (animals)
 ** RO1NS-04699-09 Biological significance of cholinesterases other than ACh (human, animal)
 ** RO1NS-05611-10 Spinal synaptic transmission and biogenic amines (cats)
 ** RO1NS-05716-10 Cyclic 3,5-AMP in action of neurohormones (rabbits, guinea pigs)
 ** RO1NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
 ** RO1NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
 ** RO1NS-07275-07 Metabolism of biogenic amines (rats)
 ** RO1NS-07642-08 The storage and release of tissue catecholamines (cattle, dogs, guinea pigs)
 ** RO1NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
 ** RO1NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
 ** RO1NS-08440-06 Metabolic basis of neural function (animals)
 ** RO1NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
 ** RO1NS-08829-06 ACh turnover and choline metabolism in the CNS (rats, guinea pigs)
 ** RO1NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
 ** RO1NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
 ** RO1NS-09087-05 Pharmacology of nerve-muscle systems (animals)
 ** RO1NS-09088-04 Stereochemistry of the cholinergic mechanism (guinea pigs, dogs, rats)
 ** RO1NS-09137-05 Stimulus-secretion coupling and chromaffin cells (rodents, cats)
 RO1NS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
 ** RO1NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
 ** RO1NS-09608-05 Biochemical aspects of nerve function (rats)
 ** RO1NS-09738-04 Excitatory effects of barbiturates (cats, frogs, rabbits)
 RO1NS-09763-03 Role of indole amines in brain maturation (mice, toads)

** RO1NS-09835-03 Neuropharmacologic studies in experimental epilepsy (cats, rats, mice, monkeys)
 RO1NS-09836-03 Cholinergic nerve ending particles
 ** RO1NS-09870-02 Effects of anesthetics on cerebral metabolism (dogs)
 ** RO1NS-09871-03 Anesthesia and the nervous system (cats)
 ** RO1NS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
 ** RO1NS-10124-03 Drug effects on membrane-bound endplate cholinesterase (cats, rats, frogs)
 ** RO1NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
 RO1NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
 RO1NS-10216-03 Processing of acetylcholine by synaptic vesicles (guinea pigs)
 RO1NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
 ** RO1NS-10294-03 Neurochemistry and kinetics of synaptic transmission
 ** RO1NS-10312-01 Cochlear pharmacology-Neurotransmission
 ** RO1NS-10384-03 Drug actions on CNS metabolism (cats)
 ** RO1NS-10385-01 Duchenne's muscular dystrophy-Therapy and basic studies (rabbits, human)
 ** RO1NS-10393-03 General anesthetics and sympathetic ganglia
 RO1NS-10485-03 Local anesthetics, nerves and bilayers
 ** RO1NS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)
 ** RO1NS-10597-02 Responses of thermosensitive cells to biogenic amines (rats, ground squirrels)
 ** RO1NS-10667-01 Effects of anticonvulsants on cerebellar function (cats, rats)
 RO1NS-10823-02 Cellular neuropharmacology of drug action
 ** RO1NS-10913-02 Pharmacology of purified brain acetylcholinesterase
 ** RO1NS-10918-01 Inhibition of catechol-O-methyltransferase
 ** RO1NS-11014-01 Depamine-beta-hydroxylase-Neural release and metabolism (guinea pigs)
 ** RO1NS-11018-01 Gamma-glutamyl cycle, brain amino acid uptake and drugs (rats, mice)
 ** RO1NS-11019-01 Action of amphetamine on cells of the brain
 ** RO1NS-11051-01 Pharmacology of brainstem cardiovascular centers (cats)
 ** RO1NS-11053-01 Nonmast cell histamine in the brain (rats)
 RO1NS-11055-02 Control of mammalian muscle during reinnervation (rat)
 ** RO1NS-11065-01 Analysis of selectivity of beta adrenergic drugs
 ** RO1NS-11126-01 Clinical and basic development of new anticonvulsants
 ** RO1NS-11182-01 Toxic metabolites of L-dopa in Parkinson's disease
 ** RO1NS-11550-01 Behavioral pharmacology and transmitter metabolism (primates, birds, rodents)
 ** RO1NS-11580-01 New neuropharmacologic tools for cholinergic studies
 ** RO1NS-12051-01 Transport of levodopa derivatives (cats)

PHARMACOLOGY-TOXICOLOGY REVIEW

COMMITTEE
 M P11GM-12675-10 Biochemical toxicology and pharmacology
 M P11GM-14270-08 Human drug metabolism and toxicology
 M P11GM-15190-08 Center for toxicological research and training
 M P11GM-15431-08 Research center for clinical pharmacology and drug toxicology
 M P11GM-15477-08 Drug metabolism and biochemical pharmacology
 M P11GM-15559-07 Clinical pharmacology
 M P11GM-15759-08 Clinical pharmacology in rheumatic and muscular diseases
 M P11GM-15956-07 Factors affecting the responses to drugs
 M P11GM-16216-06 Toxicological problems of drugs (placental transfer, lactation)
 M RO1GM-16488-06 Hepatic microsomal drug oxidation
 M PO1GM-16492-06 Design of chemotherapeutic agents
 M PO1GM-16496-06 Clinical pharmacology-Pharmacokinetics
 M PO1GM-16934-06 Sulfonamides and carbonic anhydrase-Basis for therapy
 M PO1GM-17184-05 Hereditary variations in man which modify drug toxicity
 M PO1GM-17806-05 Nutritional factor effects on drug action
 M PO1GM-18715-02 Biochemical effects and chemical reactions of drugs
 M P11GM-20387-02 Multidisciplinary research program in pharmacology-toxicology
 ** RO1GM-21535-01 Dermatopharmacologic studies in psoriasis

PHARMACY

SEE DRUGS, PHARMACY

PHARMACY ADMINISTRATION

SEE DRUGS, PHARMACY ADMINISTRATION

PHARYNGEAL NEOPLASMS

SEE ORAL-PHARYNGEAL NEOPLASMS, PHARYNGEAL NEOPLASMS

PHARYNGEAL REFLEX

SEE RESPIRATORY SYSTEM REFLEXES

PHARYNGITIS

SEE ORAL-PHARYNGEAL DISORDERS, PHARYNGITIS

PHARYNX

SEE ORAL-PHARYNGEAL, PHARYNX

PHASE MICROSCOPY

SEE OPTICS, MICROSCOPY, PHASE*

PHASEOLUS

SEE PLANTS, FABACEAE, PHASEOLUS*

PHENACETIN

SEE PHENYLAMIDES, ACETOPHENETIDIN

PHENANTHRENES

SEE ALSO ALKALOIDS, MORPHINANS

SEE ALSO ANTHRACENES

SEE ALSO TERPENES, KAURENE TYPE

** RO1CA-13155-03 Early and critical events in chemical carcinogenesis (mice, rats)

RO1CA-14980-01 Polycyclic carcinogen-nucleic acid interactions

RO1NS-10090-02 Synthesis of geometrically defined analogues

PO7RR-00574-03 Regional research facility in NMR

PHENANTHRENES, 2-ETHANO-

SEE TERPENES, KAURENE TYPE

PHENANTHRIDINES

SEE ALSO ALKALOIDS, LYCORINE TYPE

RO1GM-20871-01 Studies of human chromosomal DNA (and Drosophila)

PHENANTHRIDINES, HOMIDIUM

RO1A-11622-01 The function of mitochondria in trypanosomes

RO1A-11636-01 Normal and virus-infected animal cells

RO1CA-05295-14 0003 Chemical basis of nitrogen mustard activity. Nitrogen mustard effect on RNA biosynthesis (mice)

PO1CA-08748-09 7413 Research program of Sloan-Kettering Institute - Drug resistance and chromosomal alteration (hamsters, mice)

RO1CA-10572-06 Eastern cooperative oncology group

RO1CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)

PO1CA-12662-03 0001 Cancer research center - Regulation of thymidine kinase in relation to cell division (mice)

PO2CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)

RO1CA-14397-02 Carcinogen-transfer RNA interactions

** RO1CA-15461-01 Ethidium and DNA-Electronic and buoyant properties

RO1GM-12323-10 0015 Biochemical genetics - Ethidium bromide effect on mouse mitochondria

RO1GM-21176-01 Structure of extrachromosomal and viral genomes (E coli)

RO1GM-21422-01 Error correction in replicating T4 bacteriophage

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PHENFORMIN

SEE GUANIDINES, BIGUANIDES, PHENETHYLBIGUANIDE

PHENMETRAZINE

SEE OXAZINES, PHENMETRAZINE

PHENOBARBITAL

SEE PYRIMIDINES, BARBITURATES, PHENOBARBITAL

PHENOLASE

SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

PHENOLIC ACIDSSEE ALSO CYCLIC AMINO ACIDS, DOPA
SEE ALSO CYCLIC AMINO ACIDS, TYROSINE
SEE ALSO PHENYL CARBOXYLATES, SALICYLATES
SEE ALSO THYROACETIC ACIDS, IODINATED
SEE ALSO THYRONINE

R01AM-05165-13 Lipids in microorganisms and plants

N01AM-42226-00 Iron chelating agents in treatment of Cooley's anemia (microorganisms, synthesis)

R01HD-08288-01 Assay of potato tuber metabolites (fungi, marmosets, rodents, swine)

PHENOLIC AMINESSEE ALSO PHENYLALKYLAMINES
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES
SEE ALSO PHENYLALKYLAMINES, DIHYDROXYPHENYLETHYLAMINES

R01NS-07848-07 Synaptic chemistry in the nervous system (lobsters)

** PO1NS-11131-01 0020 Extrapyramidal and related behavioral disorders - Administration of L-metytyrosine to patients with parkinsonism

PHENOLIC AMINES, M-(2-AMINOPROPYL)**PHENOL**

M01RR-00032-14 0076 General clinical research center - Therapy of idiopathic postural hypotension (human)

PHENOLIC AMINES, P-(2-AMINOPROPYL)**PHENOL**

P11GM-15431-08 0004 Research center for clinical pharmacology and drug toxicology - P-hydroxymorphedrine and related false adrenergic neurotransmitters (rats)

** P11GM-15431-08 0027 Research center for clinical pharmacology and drug toxicology - Interactions of drugs with glucuronic acid (rats)

R10MH-11468-09 0021 Psychopharmacology research center - Hydroxylated metabolites of amphetamine in the CNS (rats)

R01MH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)

PHENOLIC AMINES, METARAMINOL

P11GM-15431-08 0004 Research center for clinical pharmacology and drug toxicology - P-hydroxymorphedrine and related false adrenergic neurotransmitters (rats)

P11GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monamines (human)

P01GM-15571-06 0078 Anesthesia research-Program project - Obstetrical anesthesia-Studies in pregnant sheep

P01GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)

P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)

P01HL-06835-13 0002 Cardiovascular disease - Renin-angiotensin system (human, mammals)

R03MH-25093-01 Effects of reserpine on maturing adrenal medulla (rats)

R01NS-09350-04 Stereochemical studies of adrenergic drugs

** M01RR-00533-06 0044 General clinical research center, adult - Metaraminol on intrarenal blood flow in patients with hepatorenal syndrome

PHENOLIC AMINES, NEOSYNEPHRINE

P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)

R01AM-15347-04 False neurotransmitters and hepatic failure (humans, rabbits, rats)

R01DE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)

P11GM-15431-08 0009 Research center for clinical pharmacology and drug toxicology - Conversion of ethyl arachidonate to prostaglandins in man

P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)

R01HL-09711-10 Instantaneous blood flow in ascending aorta (human, dogs)

P01HL-12373-06 0003 Cardiopulmonary physiology and pathophysiology - Myocardial function in man

R01HL-14899-02 Mechanisms and prevention of cardiac arrhythmias (dogs)

R01OH-00340-05 0001 Respiratory effects of inhaled gases and aerosols - Respiratory uptakes of ozone in dogs

M01RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas

M01RR-00075-11 0031 General clinical research center for children - Pulmonary involvement and therapy in newborn infants with cystic fibrosis

PHENOLIC AMINES, OCTOPAMINE

R01AM-15347-04 False neurotransmitters and hepatic failure (humans, rabbits, rats)

R01AM-16739-02 Pathogenesis of hepatic coma

PHENOLIC AMINES, TYRAMINE

P02CA-12197-03 0012 Multidisciplinary oncology research center - Evaluate drug effects on adrenergic neuron in human platelets

R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)

P01HL-13108-05 0023 Clinical heart transplantation - His bundle studies in the human transplanted heart

P01HL-13108-05 0024 Clinical heart transplantation - Catecholamine hypersensitivity in the longterm transplant survivor (human)

P17HL-14150-04 0009 Specialized center of research in hypertension - Pharmacological studies of behavior and cardiovascular function (monkeys)

P01HL-14388-03 0029 Regulation of the circulation in pathological states - Orthostatic hypotension (human)

R01MH-14110-07 0008 Neural modulation and transmission - Phenylethylamine and phenylethanolamine

M01RR-00032-14 0076 General clinical research center - Therapy of idiopathic postural hypotension (human)

M01RR-00071-11 0045 General clinical research center - Catecholamine metabolism in hypertensive disease (human)

M01RR-00645-03 0010 Clinical research center - Forms of idiopathic hypertension (human)

PHENOLIC AMINES, M-TYRAMINE

R01NS-09350-04 Stereochemical studies of adrenergic drugs

PHENOL OXIDASE (MONOPHENOL MONOOXYGENASE)

SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

PHENOLSSEE ALSO CYCLIC KETONES, CYCLOHEXADIENONES
SEE ALSO HALOBENZENES, HEXACHLOROPHENE
SEE ALSO NITROPHENOLS

SEE ALSO STILBENES, DIETHYLSTILBESTROL

SEE ALSO STILBENES, HEXESTROL

R01AM-15057-04 Flavin-protein interactions in flavoenzyme catalysis (bacteria)

R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)

** P01CA-12376-03 0021 Environmental carcinogenesis - Tumor promoters (mice)

R01CA-12928-03 Epoxide hydrolase-Drug toxicity and carcinogenicity (guinea pigs, rats)

R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)

P10ES-00210-07 0029 Center for environmental management - Biochemical effects of chlorinated bisphenols (rats)

** P10ES-00210-07 0036 Center for environmental management - Pentachlorophenol exposure of workers in wood treatment plants

R01ES-01056-01 Hydroxychlorobiphenyls-Degradation products by PCB'S

** R01GM-12848-10 Tetracycline and related phenolic natural products

** R01GM-20311-06 Biosynthesis of ubiquinone (rats, bacteria)

R01GM-20481-01 Heterogeneity of UDP-glucuronyltransferase (rats)

R01HL-16264-01 Role of inflammatory hormones in chronic lung disease

R01OH-00456-01 Better foundry hygiene through permanent mold casting

P07RR-00273-09 0001 Mass spectrometric facility for biomedical research - Core research in secondary metabolism (penicillium brevicompactum)

** M01RR-00628-04 0057 General clinical research center for children - Phenol red study

PHENOLS, CATECHOLS

R01AM-10420-09 Active transport of organic bases by the renal tubules (chick embryo, rats)

N01AM-42223-00 Carbohydrate and fat metabolism in uremia (rats, dogs, ha)

N01AM-42224-00 Iron chelating agents in the treatment of Cooley's anemia

** P01CA-07304-11 0021 Steroid hormone production and metabolism in cancer - Biosynthesis of catechol estrogens (human)

R01CA-12043-03 Biophysical and clinical studies of melanoma (human, mice)

** P11GM-15431-08 0042 Research center for clinical pharmacology and drug toxicology - Identification of p-Nitrocatechol as a metabolite of p-Nitroanisole (rats)

R01GM-20311-06 Biosynthesis of ubiquinone (rats, bacteria)

** PO1NS-09199-04 0010 Effect of L-dopa on synthesis of amines in brain (human, animals) - Synthesis and degradation of catechol sulfate (human, rats)

R01NS-10198-02 Structural analogs of S-adenosylmethionine

M01RR-00040-14 0076 General clinical research center - Menic-depression, recurrent depression and indole-catechol free diet (human)

PHENOLS, POLYPHENOLS

M01CP-33241-02 Carcinogenesis principles of processed tobacco and tobacco smoke (human, mammals)

PHENOLS, PYROGALLOL

R01AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism

R01MH-13026-07 Pharmacogenetics of audiogenic seizures (mice)

PHENOLS, RESORCINOL

R01GM-20172-01 Enzymes of aromatic oxidations from microorganisms

PHENONES, ACETOPHENONES, MACE

R01NS-09051-05 Drugs on release of biogenic amines and behavior (rats)

PHENONES, BUTYROPHENONESEE ALSO PIPERIDINES, HALOPERIDOL
R10MH-03701-15 0008 Clinical new chemotherapeutic agent evaluation - Drug levels in blood

N01MH-10065-02 Clinical evaluation studies of antidepressants

R01MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)

R01MH-18967-04 Quantum calculations for psychopharmacology

PHENONES, PHLORETIN

R01AM-03858-14 Control of water and solute movement across cell

R01AM-06878-12 Phlorizin inhibition of sugar transport (rats, human)

R01AM-17750-01 Functional organization of the intestinal brush border (guinea pigs, mammals)

P01HL-13979-04 0012 Cardio-pulmonary-renal program - Alteration of cell membrane structure by vasopressin (toads)

PHENONES, PHLORHIZIN

R01AM-02217-15 Mechanism of renal tubular and intestinal transport (dogs, rats, hamsters)

** R01AM-06878-12 Phlorizin inhibition of sugar transport (rats, human)

R01AM-12479-07 Hypothalamic regulation of food intake (mice)

R01AM-15641-03 Biochemistry of 5-thio-D-glucose (rats)

R01AM-17503-01 Micropuncture study of renal glucose transport (dog)

PHENOTHIAZINES

R01AA-00224-06 Pathogenesis and treatment of alcohol-induced diseases (human, monkeys, rats)

R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)

** P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)

R01CA-15980-01 Treatment of malignant disease of brain (monkeys)

R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)

R01DA-00323-01 Biochemical effects of perinatal narcotic addiction

R01EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)

** P11GM-15431-08 0036 Research center for clinical pharmacology and drug toxicology - Plasma levels, efficacy and side effects of phenothiazines (human)

P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)

P01GM-15571-06 0032 Anesthesia research-Program project - Pharmacologic implications of analgesic distribution

** P11GM-15956-07 0034 Factors affecting the responses to drugs - Phenothiazines effect on development of antibody producing cells in vitro (mice)

P01GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)

** P01GM-16496-06 0017 Clinical pharmacology-Pharmacokinetics - Phenothiazine tranquilizers

P01GM-16496-06 0040 Clinical pharmacology-Pharmacokinetics - Animal research in drug toxicity (40gs)

** P01GM-17184-05 0011 Hereditary variations in man which modify drug toxicity - Interactions of phenothiazines with hemoglobin and hemoglobin variants

R01GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)

** P01GM-17806-05 0005 Nutritional factor effects on drug action - Alteration of phenothiazine PD-50 (mice)

P01HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01HL-12738-06 0065 Physiologic pharmacology and its clinical applications - Effect of phenothiazines on cardiac cyclic AMP (rats, dogs)
 ** R01HL-16778-01 Cardiac pharmacology of phenothiazine metabolites
 R10MH-03701-15 0008 Clinical new chemotherapeutic agent evaluation - Drug levels in blood
 R01MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 R01MH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
 R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
 R01MH-08954-10 Methodology of outpatient drug research (human)
 R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
 R01MH-12507-09 Electrophysiological studies of psychiatric disorder
 P01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
 ** R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
 R01MH-15413-06 0002 Psychopharmacology of biogenic amines in depression - Antipsychotics (rats)
 R01MH-15413-06 0004 Psychopharmacology of biogenic amines in depression - Electroconvulsive shock (rats)
 R01MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)
 R01MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)
 R01MH-16128-06 Early clinical drug evaluation unit
 P01MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum
 ** P01MH-16674-06 0010 A program of psychiatry-oriented biological research - Effects of drugs on osmotic sensitivity of synaptosomes (rats)
 ** P01MH-16674-06 0026 A program of psychiatry-oriented biological research - Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys)
 ** P01MH-16674-06 0027 A program of psychiatry-oriented biological research - Effect of phenothiazines on mesolimbic dopamine system (rats)
 ** P01MH-16674-06 0028 A program of psychiatry-oriented biological research - Effects of phenothiazines on homovanillic acid in brain (rabbits)
 ** P01MH-16674-06 0042 A program of psychiatry-oriented biological research - Histamine concentration in CSF of monkeys on phenothiazines
 R01MH-17489-05 Psychopharmacologic activity-Quantum chemical study (rats)
 R01MH-18332-05 Temporal organization in behavior and development (human)
 R01MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
 R01MH-18967-04 Quantum calculations for psychopharmacology
 ** R01MH-20321-03 Phenothiazine and schizophrenic thought disorder (human)
 R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
 R01MH-21247-03 Comparative drug studies of aggressive mechanism (mammals, frogs, orthoptera)
 R01MH-21327-03 Psychopharmacologic agents and drug metabolism
 R01MH-21584-03 Modification of cAMP response in neurons and glia (rats)
 R01MH-23925-02 Long acting drugs with after care of schizophrenics
 R01MH-25116-01 MAO, DBH and ATPase in psychosis (human)
 ** P01MH-25515-01 0008 Collaborative biological research on schizophrenia - Regional effects of phenothiazines on dopamine turnover (cats)
 ** P01MH-25515-01 0009 Collaborative biological research on schizophrenia - Neurological effects of phenothiazines on the mesolimbic dopamine pathway (rats)
 P01MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)
 P01MS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinsons (human)
 M01RR-00064-10 0035 General clinical research center - Drug-induced hepato-toxicity (human)
- PHENOTHIAZINES, BUTAPERAZINE**
 ** R10MH-11468-09 0019 Psychopharmacology research center - Plasma levels of butaperazine and therapeutic or side effects in man
- PHENOTHIAZINES, CHLORPROMAZINE**
 P01AM-06704-12 0004 Neural and humoral control of endocrine function - Reproductive neuroendocrinology (rats)
 R01AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)
 R01AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
- P02CA-07177-11 0009 Clinical cancer research center - Radioimmunoassay of plasma prolactin in breast cancer patients
 R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
 R01CA-13190-02 Human tumor-specific immunity
 ** P01CA-14043-01 0010 Radiation therapy clinical and research center - Chlorpromazine and analogs in malignant melanoma
 P02CA-15688-01 0019 Program in medical oncology - Interacting effects of anticancer and other drugs (mice)
 R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
 ** R01DA-00022-08 Narcotic addiction and brain protein metabolism (mice)
 P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
 P01ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
 P11GM-12675-10 0014 Biochemical toxicology and pharmacology - Chemical alterations of carbon monoxide induced hepatotoxicity and lethality
 P11GM-15431-08 0002 Research center for clinical pharmacology and drug toxicology - Drugs that antagonize guanethidine (human, cats)
 ** P11GM-15431-08 0024 Research center for clinical pharmacology and drug toxicology - Drugs in children
 P11GM-15431-08 0035 Research center for clinical pharmacology and drug toxicology - Biochemical pharmacology of delta-9-tetrahydrocannabinol (rats)
 P11GM-15431-08 0036 Research center for clinical pharmacology and drug toxicology - Plasma levels, efficacy and side effects of phenothiazines (human)
 P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)
 P11GM-15477-08 0040 Drug metabolism and biochemical pharmacology - Kinetics of microsomal drug metabolism (rabbits, guinea pigs, rats)
 P11GM-15477-08 0062 Drug metabolism and biochemical pharmacology - Inhibition of in vitro N-demethylation of imipramine and amitriptyline
 P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
 P11GM-15956-07 0034 Factors affecting the responses to drugs - Phenothiazines effect on development of antibody producing cells in vitro (mice)
 P01GM-16496-06 0036 Clinical pharmacology-Pharmacokinetics - Drug metabolizing enzymes in liver (rats, human)
 N01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
 N01HB-22934-03 Studies in sickle cell disease
 R01HD-06929-02 Fetal health and amniotic fluid HCS and prolactin (monkeys)
 N01HD-32719-02 Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs)
 R01HL-10842-06 Antihypertensive agents-Pharmacology (humans, animals)
 ** R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)
 R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
 R01HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
 R01HL-14733-02 Artificial heart and related problems (cattle)
 R01HL-16201-01 Regulation of cell volume in disease states (human)
 R01HL-16778-01 Cardiac pharmacology of phenothiazine metabolites
 R01MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
 R10MH-03030-15 Improved clinical screening of phenothiazine drugs (human)
 R10MH-03701-15 0002 Clinical new chemotherapeutic agent evaluation - Controls in chronic schizophrenia chemotherapy evaluation
 R10MH-03701-15 0004 Clinical new chemotherapeutic agent evaluation - Acute and adolescent schizophrenia
 R10MH-03701-15 0008 Clinical new chemotherapeutic agent evaluation - Drug levels in blood
 R10MH-04669-14 0005 Controlled drug evaluation - Possible role of chlorpromazine metabolites in schizophrenia therapy
 R01MH-06564-12 Neuropharmacology of psychopharmacologic agents (cats, rats, mice)
 R01MH-08954-10 Methodology of outpatient drug research (human)
 R10MH-11468-09 0017 Psychopharmacology research center - Metabolic interactions with conjugation of steroids with glucuronic acid (rats)
 R10MH-11468-09 0019 Psychopharmacology research center - Plasma levels of butaperazine and therapeutic or side effects in man
 R10MH-11468-09 0020 Psychopharmacology research center - Antagonism of antihypertensive effect of guanethidine by neuroleptic drugs (rats)
- R10MH-11468-09 0034 Psychopharmacology research center - Modification of the cyclic AMP system by LSD, amphetamines and antipsychotics
 R01MH-11894-09 0007 Comprehensive behavioral studies - Rehabilitation of monkey psychopathologies
 P01MH-12568-08 0001 Neuropsychopharmacological studies of attention - Animal development-Rats
 P01MH-12568-08 0002 Neuropsychopharmacological studies of attention - Animal development-Monkeys
 R01MH-13026-07 Pharmacogenetics of audiogenic seizures (mice)
 R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
 ** R01MH-14520-06 Pharmacology of sleep-Long-term studies (human, rats)
 R01MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)
 ** R01MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)
 ** R10MH-15828-06 NIMH-PRB collaborative outpatient schizophrenia study
 R01MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)
 R01MH-16128-06 Early clinical drug evaluation unit
 P01MH-16674-06 0020 A program of psychiatry-oriented biological research - Altered behavioral sensitivity to dopamine agonists (rats)
 R01MH-17279-05 Psychoactive drugs and the organization of behavior (rats)
 ** R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 ** R01MH-17968-05 Chlorpromazine metabolism in acute schizophrenia (human)
 R01MH-18070-05 Experimental depression induced in infant monkeys
 R01MH-18391-04 Sleep psychophysiology and psychopathology (human)
 R01MH-18396-03 Hypothesis of psychosis and psychotomimetic drugs (human, rats, monkeys)
 P01MH-18909-04 Pediatric psychopharmacology (human, rats)
 ** R01MH-19211-04 Psychotropic drugs and slow potentials in man
 R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 R12MH-20123-03 Community alternatives for treatment of schizophrenia
 R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
 R01MH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism
 R01MH-20785-03 Complex behavioral repertoires (primates, birds)
 R01MH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)
 R01MH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
 R01MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
 R01MH-21892-02 Biochemical studies of depression in primate models
 R01MH-21934-02 Lithium and aggressive behavior (human)
 R01MH-22019-02 Psychotropic drug assessment (human)
 R01MH-22340-02 New method for studying drug effects on learning (pigeons)
 P01MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
 R01MH-23989-02 Psychotropic drug and cytogenetic effects (human)
 ** R01MH-24329-01 Anticholinergic drugs and emotional behavior (rats)
 ** R01MH-25133-02 0002 Steroid hormones in depressive illness - Prolactin response to chlorpromazine (human)
 R01MH-25170-01 Toxic interaction of opiates with COMT inhibitors
 R01MH-25444-01 Drugs, aggression and neurochemistry (mice)
 P01MH-25515-01 0003 Collaborative biological research on schizophrenia - Release of dopamine and other putative neurotransmitters (rats)
 P01MH-25515-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
 P01MH-25515-01 0006 Collaborative biological research on schizophrenia - Actions of neuroleptic drugs on synaptic membranes (rats)
 P01MH-25515-01 0016 Collaborative biological research on schizophrenia - Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys)
 ** R01MH-25645-01 Chlorpromazine excretion-Isotope vs chemical assay
 R10MH-26196-01 Analysis-Collaborative outpatient schizophrenia
 R01NS-03321-13 Electrolytes in nerve and muscle function (frogs)
 R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-10216-03 Processing of acetylcholine by synaptic vesicles (guinea pigs)
 ROINS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
 MO1RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
 MO1RR-00046-14 0040 General clinical research center - Endocrine and metabolic effects of pituitary stalk section (human)
 MO1RR-00049-13 0035 General clinical research center - Treatment of disseminated melanoma (human)
 ** MO1RR-00055-13 0101 General clinical research center - Non-discriminating avoidance escape procedure-chlorpromazine study (human)
 MO1RR-00060-13 0029 General clinical research center - Dopaminergic system in L-dopa treated Parkinson's disease (human)
 ** MO1RR-00349-08 0038 General clinical research center - Chlorpromazine and medroxyprogesterone acetate (human)
 ** MO1RR-00633-02 0038 General clinical research center - Drug metabolism in acute intermittent porphyria (human)
 MO1RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)

PHENOTHIAZINES, FLUPHENAZINE

- RO1MH-08240-11 Drug-screening program for drug-resistant schizophrenics
 RO1MH-21337-02 Drugs in the aftercare treatment of schizophrenia
 RO1MH-22019-02 Psychotropic drug assessment (human)
 ** RO1MH-23925-02 Long acting drugs with after care of schizophrenics
 ** RO1MH-24969-01 PRB collaborative study of long acting fluphenazine (human)
 ** RO1MH-24976-01 NIMH-PRB collaborative study of long acting fluphenazine
 ** RO1MH-24977-01 NIMH-PRE collaborative study of long acting fluphenazine (human)
 ** RO1MH-24978-01 NIMH-PRB collaborative study on long acting fluphenazine

PHENOTHIAZINES, METHOTRIMEPRAZINE

- RO1MH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)

PHENOTHIAZINES, PERPHENAZINE

- RO1CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
 P11GM-15477-08 0062 Drug metabolism and biochemical pharmacology - Inhibition of in vitro N-demethylation of imipramine and amitriptyline
 RO1HD-06419-03 Hormonal control of lactogenesis (rats)
 RO1MH-08957-10 Early drug evaluation in neurotic outpatients
 ** MO1RR-00262-09 0028 General clinical research center - Treatment of depression in relative of patient with catastrophic illness (human)

PHENOTHIAZINES, PROCLORPERAZINE

- P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)

PHENOTHIAZINES, PROMAZINE

- ** RO1HL-06943-12 Vascular permeability (rodents)

PHENOTHIAZINES, PROMETHAZINE

- PO1HL-06350-13 0007 Hemostasis research program - Platelet function (human)
 R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
 RO1NS-11277-01 Pathogenesis of nutritional brain injury (chickens)

PHENOTHIAZINES, THIOPROPAZATE

- RO1MH-16128-06 Early clinical drug evaluation unit

PHENOTHIAZINES, THIORIDAZINE

- P15EY-00494-05 Clinical electrophysiologic studies of ocular disease (human)
 RO1MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)
 PO1MH-16674-06 0028 A program of psychiatry-oriented biological research - Effects of phenothiazines on homovanillic acid in brain (rabbits)
 RO1MH-18579-04 Comparative drug effects in hyperkinetic children
 PO1MH-18909-04 Pediatric psychopharmacology (human, rats)
 PO1MH-25515-01 0016 Collaborative biological research on schizophrenia - Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys)

PHENOTHIAZINES, TOLUIDINE BLUE

- ** P11GM-15559-07 0030 Clinical pharmacology - Radioactive drugs for myocardial imaging-Iodinated toluidine blue (dogs)

PHENOTHIAZINES, TRIFLUOPERAZINE

- RO1MH-03701-15 0002 Clinical new chemotherapeutic agent evaluation - Controls in chronic schizophrenia chemotherapy evaluation
 RO1MH-03701-15 0004 Clinical new chemotherapeutic agent evaluation - Acute and adolescent schizophrenia
 RO1MH-08240-11 Drug-screening program for drug-resistant schizophrenics
 RO1MH-16128-06 Early clinical drug evaluation unit
 RO1MH-19477-03 Psychomotility and cognitive style in the schizophrenics
 RO1MH-24188-01 Plasma chlorpromazine in psychiatric management

PHENOXAZINES, PHENOXAZONES

SEE BENZOXAZINES, PHENOXAZINES

PHENOXYACETIC ACIDS, 2,3-DICHLORO-4-(2-METHYLBTYL)PHENOXYACETIC ACID

- PO2AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
 PO1AM-09976-09 0005 Renal disease - Ion transport and metabolism (toads, rats, rabbits, human)
 RO1AM-12934-05 Physiology of the secretion of sweat (human, cats, rats, primates)
 RO1AM-13696-06 0007 Hormones and calcium absorption - Duodenal calcium transport
 RO1AM-14401-04 Metabolism and function of the perfused rat kidney
 MO1ES-22110-06 Noise and ototoxic drugs on hearing loss (guinea pigs)
 P01GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)
 PO1HL-14780-02 0021 Mechanisms and treatment of cardiovascular diseases - Diuretics and related agents on cardiac contractility (human, cats)
 P17HL-15088-03 0005 Diffuse granulomatous and fibrotic pulmonary disease - Effect of ouabain and ethacrynic acid on palmitate incorporation into lung
 RO1HL-16055-01 Cardiovascular drugs and the NaOKO-ATPase (rats, guinea pigs)
 RO1HL-16483-01 Relation of renal endocrine function to hypertension (dogs, sheep)
 PO1NS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)
 ** PO1NS-09889-04 0001 Investigation of agents which damage the ear - Site of ototoxic interaction (guinea pig)
 PO1NS-09889-04 0004 Investigation of agents which damage the ear - Dose response curves for aminoglycosides antibiotics (guinea pig)
 RO1NS-09987-03 Ototoxicity of diuretic-antibiotic combinations (guinea pigs)
 RO1NS-10366-03 Mechanism of formation of cerebral cortical edema (primates)
 ** MO1RR-00076-12 0068 General clinical research center - Digitalis vs ethacrynic acid and mercurhydri in congestive heart failure (human)
 MO1RR-00334-08 0006 General clinical research center - Third factor in congestive heart failure with edema (human)

PHENOXYACETIC ACIDS, 2,4-D

- PO1ES-00040-10 0004 Environmental toxicology of pesticides - Comparative metabolism of chemical toxicants (plants, rats)

PHENOXYACETIC ACIDS, 2,4,5-T

- PO1ES-00040-10 0004 Environmental toxicology of pesticides - Comparative metabolism of chemical toxicants (plants, rats)
 ** RO1ES-00412-06 0014 Mechanisms of insecticide resistance - Toxicity of herbicides (fish)

PHENOXYBENZAMINE

SEE PHENYLALKYLAMINES, BENZYLAMINES, PHENOXYBENZAMINE

PHENOXYCARBOXYLATES

- RO1HL-13713-04 Pathogenesis of lipid accumulation (human, mice)

PHENOXYCARBOXYLATES, CLOFIBRATE

- RO1AA-00239-06 0002 Effects of alcohol on liver and intestine - Adaptive and drug-induced alterations in ethanol metabolism (rats, human)
 RO1AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
 PO2AM-13430-05 0006 Research and heredity clinic - Inheritable jaundice (human)
 RO1AM-15631-03 Hepatic and biliary alterations in cholelithiasis (human, hamsters)
 RO1AM-17273-01 Human bile acid metabolism and cholesterol gallstones
 NO1AM-42218-00 Serum lipid and lipoprotein abnormalities in chronic renal failure
 RO1CA-05310-14 Mechanism of action of beta-3TA (mice)
 RO1CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)

- PO1ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 P11GM-15956-07 0020 Factors affecting the responses to drugs - Parasympathetic and drug effects (rodents, human)
 P11GM-15956-07 0059 Factors affecting the responses to drugs - Clinical evaluation of hypoliproteinemic drugs
 PO1GM-17184-05 0001 Hereditary variations in man which modify drug toxicity - Human plasma cholinesterase variants and succinylcholine sensitivity
 RO1GM-19275-03 Studies of warfarin-drug interactions (human, dogs)
 RO1GM-19478-03 Microanalysis using gas chromatography
 P11GM-20852-01 0006 Clinical pharmacokinetics and biopharmaceutics - Kinetics of drug action-Anticoagulants (rats, human)
 PO1HL-08805-10 0011 Cardiovascular and pulmonary performance - Hyperlipidemia and atherosclerosis (human, animals)
 RO1HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-08891-10 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10233-09 Cooperative study of drugs and coronary heart disease (human)
 RO1HL-10353-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10441-09 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-10444-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10446-09 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-10515-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-10696-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10697-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10698-09 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-10700-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10703-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10705-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10707-09 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-10709-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10710-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11039-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11040-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11063-08 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-11115-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11116-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11312-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11322-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11369-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11370-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11372-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11373-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11374-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11375-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11376-08 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-11377-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11380-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11458-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11655-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11660-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11661-08 Cooperative study of drugs and coronary heart disease (men)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-11663-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11898-07 Cooperative study of drugs and coronary heart disease
- R01HL-11901-07 0001 Bypass effect on cholesterol and atherosclerosis - Clinical bypass program
- R01HL-11901-07 0006 Bypass effect on cholesterol and atherosclerosis - Drug therapy with bypass (rabbits)
- ** R01HL-12740-06 Hypocholesterolemic agents - Stereochemistry (rats)
- ** P01HL-13108-05 0036 Clinical heart transplantation - Lipoprotein abnormalities in the transplanted heart patient
- P17HL-14141-04 0003 SCOR for atherosclerosis in childhood - Detection of abnormalities in lipid metabolism (human, rabbits, rats)
- P17HL-14177-04 0001 Center for prevention and treatment of atherosclerosis - Absorption, excretion and synthesis of cholesterol (swine)
- P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding
- P17HL-14177-04 0011 Center for prevention and treatment of atherosclerosis - Regression of atherosclerotic lesions (swine)
- P17HL-14196-04 0002 Lipids, thrombosis and genetics in atherosclerosis - Drug effect on cholesterol degradation to bile acids (human)
- P17HL-14236-04 0001 Prevention of premature arteriosclerosis - Metabolism and transport of cholesterol and vitamin A (human, rats, rabbits)
- P17HL-14236-04 0005 Prevention of premature arteriosclerosis - Hypertension and hyperlipoproteinemia (human, rats)
- P17HL-14236-04 0009 Prevention of premature arteriosclerosis - Clinical studies on cholesterol metabolism (human)
- P01HL-14388-03 0025 Regulation of the circulation in pathological states - Hemodynamics, metabolism and angiography of hyperlipoproteinemia (human)
- R01HL-14933-02 Metabolic studies of viral induced hyperlipemias (chick embryo, rats, children)
- R01HL-15374-03 Cooperative study of drugs and coronary heart disease (human)
- R01HL-15382-03 Cooperative study of drugs and coronary heart disease (men)
- R01HL-15556-02 Diets and drugs affecting lipid metabolism (human)
- P01HL-16137-01 0006 Alveolar biology - Hypolipemic agents and their effects on pulmonary epithelial organelles (rats)
- ** R01HL-16363-01 Hypolipemic drug study - Ultrastructure and chemistry
- R01HL-16544-01 Control of lipoprotein synthesis (swine)
- R01NS-06856-08 Storage disease - Intracellular transport and digestion (human, animals, plants)
- P01NS-10175-03 0006 Neuromuscular disease research center - Myotonia - Effect of cholesterol lowering drugs (goats)
- M01RR-00042-14 0030 General clinical research center - Hemolysis in Starr-Edwards prosthetic aortic valves, effect of drugs (human)
- M01RR-00043-14 0062 General clinical research center - Role of cyclic AMP in water excretion (human)
- M01RR-00053-13 0073 Clinical research center - Steroid metabolism - Nonspecific illness effects and drug effects (human)
- M01RR-00069-12 0063 General clinical research center, children - Tolerance tests in hyperlipidemic diseases
- M01RR-00071-11 0054 General clinical research center - Clinical studies of biliary lipids (human)
- M01RR-00088-11 0013 General clinical research center - Diet and drug therapy relation to lipoprotein in hyper- and hypolipidemia (human)
- M01RR-00102-11 0001 General clinical research center - Lipid metabolism (human)
- M01RR-00229-09 0044 General clinical research center - Antidiuretic effect of chlorpropamide (human)
- M01RR-00828-01 0009 General clinical research center - Correlation blood levels of hypolipidemic drugs and pharmacologic effect (human)
- PHENTOLAMINE**
SEE IMIDAZOLES, PHENTOLAMINE
- PHENYLACETIC ACIDS**
- R01CA-10979-06 Glyoxalase inhibitors as potential anticancer agents (bacteria, mice)
- P01MH-08618-10 0040 Biological studies of psychotic disorders - Possible role of DMPEA and NADMEPA in brain function (rats)
- P01NS-06208-09 0025 Epilepsy research program - Brain monoamine turnover (children)
- ** P01NS-11631-01 0063 Clinical center for research on Parkinson's and allied diseases - Acid metabolites of catecholamines (human)
- PHENYLACETIC ACIDS, CYCLANDELATE**
- ** M01RR-00030-13 0073 General clinical research center - Cyclospasmol as a cerebral vasodilator (human)

PHENYLACETIC ACIDS, DIHYDROXYMANDELIC ACID

- P01CA-08748-09 6302 Research program of Sloan-Kettering Institute - Cystathionine and vanillylmandelic excretion in neuroblastoma (human)
- R01HD-07314-02 Evolution of bacterial enzyme systems
- R01NS-10670-02 Computer simulation of brain metabolism
- P01NS-11631-01 0063 Clinical center for research on Parkinson's and allied diseases - Acid metabolites of catecholamines (human)

PHENYLACETIC ACIDS, 3,4-DIHYDROXYPHENYLACETIC ACID

- P01NS-11631-01 0063 Clinical center for research on Parkinson's and allied diseases - Acid metabolites of catecholamines (human)

PHENYLACETIC ACIDS, HOMOGENSIC ACID

- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, ALKAPTONURIA
- P01HD-06276-03 0054 Mental retardation research program - CSF transport of metabolic end products from brain (cats)

PHENYLACETIC ACIDS, HOMO VANILLIC ACID

- R01HL-12648-05 Catecholamine metabolism in hypertensive diseases (human, rats)
- R10MH-11468-09 0024 Psychopharmacology research center - Role of adrenergic mechanisms in motor and cataleptic effects of morphine (rats)
- P01MH-16674-06 0026 A program of psychiatry-oriented biological research - Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys)
- P01MH-16674-06 0028 A program of psychiatry-oriented biological research - Effects of phenothiazines on homovanillic acid in brain (rabbits)
- P01MH-16674-06 0030 A program of psychiatry-oriented biological research - Integrity of substantia nigra GABA neurons in Huntington's chorea (human)
- R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
- R01MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- P01MH-23861-02 0007 Biogenic amines and behavior - Assay of biogenic amines in brain (rats)
- P01MH-25515-01 0008 Collaborative biological research on schizophrenia - Regional effects of phenothiazines on dopamine turnover (cats)
- P01NS-06208-09 0025 Epilepsy research program - Brain monoamine turnover (children)
- P01NS-11631-01 0063 Clinical center for research on Parkinson's and allied diseases - Acid metabolites of catecholamines (human)
- M01RR-00865-01 0033 General clinical research center - Neuroendocrine control mechanisms in Huntington's disease (human)

PHENYLACETIC ACIDS, MANDELIC ACID

- SEE ALSO PHENYLACETIC ACIDS, CYCLANDELATE
SEE ALSO PHENYLACETIC ACIDS, DIHYDROXYMANDELIC ACID
SEE ALSO PHENYLACETIC ACIDS, 3-METHOXY-4-HYDROXYMANDELIC ACID

- R01MH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs
- P01NS-11631-01 0063 Clinical center for research on Parkinson's and allied diseases - Acid metabolites of catecholamines (human)

PHENYLACETIC ACIDS, 3-METHOXY-4-HYDROXYMANDELIC ACID

- R01MH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
- ** R01MH-24393-02 0007 MHPG excretion, catecholamine metabolism, and depression - Specific methods for assaying MHPG and VMA in blood (human)
- M01RR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)

PHENYLALANINE

- SEE CYCLIC AMINO ACIDS, PHENYLALANINE

PHENYLALANINE AMMONIA LYASE

- SEE AMMONIA LYASES, PHENYLALANINE AMMONIA LYASE

PHENYLALANINE ANALOGS

- SEE CYCLIC AMINO ACIDS, PHENYLALANINE ANALOGS

PHENYLALANINE FLUORINATED

- SEE CYCLIC AMINO ACIDS, PHENYLALANINE FLUORINATED

PHENYLALANINE NITROGEN MUSTARD

- SEE AMINO ACIDS N-MUSTARDS, PHENYLALANINE N-MUSTARDS

PHENYLALANINEMIA

- SEE METABOLIC DISORDERS (INBORN), AMINOACIDOPATHIES, PHENYLALANINEMIA

PHENYLALKANES (GENERAL)

- P17HL-14228-04 0006 Specialized center of research in thrombosis - Synthetic inhibitors of coagulation and fibrinolysis (dogs, cattle, human)

PHENYLALKANES, TOLUENE

- ** P10CS-00002-12 0003 Occupational and environmental health - Workers exposed to toluene diisocyanate
- ** R01FD-00576-01 Metabolism of Di-t-butylhydroxytoluene (BHT)
- R01HL-14412-03 Cardiac toxicity of aerosol propellants (human, mammals)
- ** R01OH-00322-06 Health hazards of the di-isocyanates (human)

PHENYLALKANES, TRIPHENYLMETHANES

- P01CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)

PHENYLALKANOLS, MHPG

- R10MH-04669-14 0008 Controlled drug evaluation - Amines and affective state (human)
- R01MH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs
- ** R01MH-15413-06 0011 Psychopharmacology of biogenic amines in depression - Clinical studies - Changes in biogenic amine metabolism (human)
- R01MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies - Drugs and biogenic amine metabolism (human)
- R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
- R01MH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
- P01MH-23861-02 0006 Biogenic amines and behavior - Analytical mass fragmentography - Indole derivatives in CNS (rats)
- P01MH-23861-02 0007 Biogenic amines and behavior - Assay of biogenic amines in brain (rats)
- ** P01MH-23861-02 0029 Biogenic amines and behavior - Preparation of deuterium analog of MHPG (human)
- ** R01MH-24393-02 0002 MHPG excretion, catecholamine metabolism, and depression - Clinical pharmacology studies
- ** R01MH-24393-02 0003 MHPG excretion, catecholamine metabolism, and depression - Clinical characteristics of depression associated with decreased MHPG excretion
- ** R01MH-24393-02 0005 MHPG excretion, catecholamine metabolism, and depression - Low MHPG excretion associated with depression - A state or trait variable
- R01MH-24393-02 0006 MHPG excretion, catecholamine metabolism, and depression - Kinetics of disposition and metabolism of circulating NE (human)
- ** R01MH-24393-02 0007 MHPG excretion, catecholamine metabolism, and depression - Specific methods for assaying MHPG and VMA in blood (human)
- ** R01MH-24393-02 0008 MHPG excretion, catecholamine metabolism, and depression - Determination of MHPG in CSF (human)
- ** R01MH-24393-02 0010 MHPG excretion, catecholamine metabolism, and depression - Routes of formation of MHPG (rodents)
- ** R01MH-25133-02 0006 Steroid hormones in depressive illness - Correlations with MHPG excretion and epinephrine (human)
- R01MH-25295-01 Sympathetic and adrenocortical lability and illness (human)
- P01NS-06208-09 0025 Epilepsy research program - Brain monoamine turnover (children)
- P01NS-09649-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)
- M01RR-00284-08 0030 General clinical research center - Pediatric - Affective disorders of childhood

PHENYLALKANOLS, PHENYLETHANOL

- R01CA-16959-09 Mengovirus replication in rat hepatoma cells
- P13DE-02731-08 0003 Development support for dental research institute - Dental virology
- R01MH-14110-07 0008 Neural modulation and transmission - Phenylethylamine and phenylethanolamine
- R01MH-14110-07 0018 Neural modulation and transmission - Related clinical observations

PHENYLALKOXYALKYLAMINES, DIMENHYDRINATE

- R01NS-06785-08 Central mechanisms in the vestibular apparatus (cats)

PHENYLALKOXYALKYLAMINES, DIPHENHYDRAMINE

- P11GM-15559-07 0039 Clinical pharmacology - Pharmacokinetics and biopharmaceutics (human)

PHENYLALKOXYALKYLAMINES, FLAXEDIL

- P01GM-15571-06 0071 Anesthesia research - Program project - Neuromuscular blocking agents (human)
- P01GM-15591-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
- R01NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)

PHENYLALKYLAMINES

- SEE ALSO PHENOLIC AMINES
- R01DA-01057-01 0005 Drugs of abuse - Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- RO1MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- PHENYLALKYLAMINES, AMPHETAMINE**
- RO1AA-00498-03 0015 Clinical studies of alcohol use and abuse - Influence of various drugs, including alcohol, on violent behavior (human)
- RO1CA-08349-09 Potential tumor or organ imaging agents
- RO1DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
- ** RO1DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
- RO1DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
- RO1DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- ** RO1DA-00053-02 Amphetamine, nervous stimulation and brain amines (mice)
- ** RO1DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)
- RO1DA-00069-04 Toxicology of marijuana in animals and man
- ** RO1DA-00094-04 Drug use surveillance-San Mateo County Schools
- RO1DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
- PO1DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychometric drugs of abuse and stress on skeletal muscle (rats, monkeys)
- PO1DA-00250-03 0010 Research center-Studies of drug dependence and abuse - Behavioral and perceptual effects of drugs (human, animals)
- ** PO1DA-00250-03 0013 Research center-Studies of drug dependence and abuse - Morphological and functional toxicity of methamphetamine (monkeys)
- PO1DA-00250-03 0017 Research center-Studies of drug dependence and abuse - Detection of drugs of abuse in biological fluids
- ** PO1DA-00254-03 0005 Drug abuse basic research center - Interactions between centrally-acting drugs (dogs)
- PO1DA-00257-03 0002 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in experimental animals
- ** PO1DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
- ** PO1DA-00266-03 0001 Johns Hopkins drug abuse research center - Amphetamine, brain catecholamines and opiate receptors (rats, guinea pigs)
- ** PO1DA-00266-03 0004 Johns Hopkins drug abuse research center - Central reward mechanisms-Drug interactions (rats, monkeys)
- ** RO1DA-00319-01 ACh turnover-Role in morphine and amphetamine activity (rats)
- ** RO1DA-00433-02 Novel approach for amphetamine antagonism (rats)
- RO1DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
- RO1DA-00612-01 Antagonism of orally self administered drugs effects
- ** RO3DA-00723-01 Antidotal study of amphetamine intoxication
- RO1DA-00890-01 Hepatotoxic potential of solvent and amphetamine abuse
- RO1DA-00974-01 Psychosocial study of Qat use in North Yemen
- ** RO1DA-01044-01 Neuro-behavioral mechanisms of drug addiction (rats)
- M RO1DA-01057-01 Drugs of abuse-Pharmacokinetics, metabolism and response
- RO1DA-01057-01 0001 Drugs of abuse-Pharmacokinetics, metabolism and response - Stimulant drugs and minimal brain dysfunction (children)
- RO1DA-01057-01 0002 Drugs of abuse-Pharmacokinetics, metabolism and response - A twin study of response to amphetamine (human)
- ** RO1DA-01057-01 0005 Drugs of abuse-Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)
- ** RO1DA-01057-01 0006 Drugs of abuse-Pharmacokinetics, metabolism and response - Analytical methodology (human)
- NO1DA-30060-00 Evaluates new instrument capability
- NO1DA-30226-00 Interactions of narcotic and narcotic antagonist with other drugs (rodents)
- NO1DA-30263-00 Interaction studies of narcotics and narcotic antagonists (monkeys)
- RO1ES-00921-02 Cadmium-induced prolongation of drug action (rats)
- P11GM-15431-08 0035 Research center for clinical pharmacology and drug toxicology - Biochemical pharmacology of delta-9-tetrahydrocannabinol (rats)
- P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)
- P11GM-15431-08 0051 Research center for clinical pharmacology and drug toxicology - Guanidinium adrenergic neuron blockers (human, cats)
- P11GM-15559-07 0040 Clinical pharmacology - Analytical biochemistry in clinical pharmacology
- PO1GM-15571-06 0063 Anesthesia research-Program project - Human studies-Cyclopropane MAC
- PO1GM-15571-06 0070 Anesthesia research-Program project - Interaction of anesthetics with drugs that alter CNS monoamines (human, dogs)
- P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- ** P11GM-15956-07 0048 Factors affecting the responses to drugs - Effect of propranolol on amphetamine tolerance in rats
- P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
- PO1GM-16496-06 0020 Clinical pharmacology-Pharmacokinetics - Gastrointestinal absorption studies (primates)
- PO1GM-17184-05 0008 Hereditary variations in man which modify drug toxicity - Genetic differences in plasma protein binding of drugs
- ** PO1GM-17806-05 0004 Nutritional factor effects on drug action - Amphetamine-like agent and barbiturate action in starved mice
- PO1GM-17806-05 0005 Nutritional factor effects on drug action - Alteration of phenothiazine PD-50 (mice)
- ** PO1GM-17806-05 0007 Nutritional factor effects on drug action - Amphetamine and cerebral cortex poly-ribosomes (mice)
- PO1GM-20309-02 0015 Acute trauma study center - Drugs of abuse and trauma (human, rats)
- RO1GM-20340-01 Circadian rhythms in drug response and drug metabolism
- ** RO1GM-20457-02 0003 GC-MS and stable isotopes in pharmacological research - Release of biogenic amines from brain by amphetamine-correlation with behavior
- RO1HD-04839-05 0006 Metabolism of drug substrates by human placenta - Deamination reactions (human)
- PO1HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
- RO1HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- PO1HL-06349-13 0011 Cardiovascular disease clinical program project - Pharmacodynamics-Behavioral response to adrenergic amines (rats, mice)
- P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- RZ3HL-17185-01 The lung's role in drug metabolism and disposition (rabbits)
- RO1MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
- ** RO1MH-04151-14 0010 Psychology and physiology of sleep - Effects of sleep deprivation and amphetamine on performance (rats)
- ** RO1MH-04669-14 0009 Controlled drug evaluation - Antagonism of amphetamine-induced symptomatology by neuroleptics (dogs)
- RO1MH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
- RO1MH-07658-12 Drugs and reactions to aversive stimuli (monkeys)
- RO1MH-08493-11 Neural reinforcement of motivated behavior (rats)
- ** RO1MH-08618-10 0006 Biological studies of psychotic disorders - Amphetamine psychosis (human)
- PO1MH-08618-10 0048 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
- RO1MH-08833-11 Neuropharmacologic studies of local brain function (cats)
- RO1MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
- RO1MH-11191-09 Brain amines and behavior (mice)
- ** RO1MH-11468-09 0021 Psychopharmacology research center - Hydroxylated metabolites of amphetamine in the CNS (rats)
- ** RO1MH-11468-09 0022 Psychopharmacology research center - Stored vs newly synthesized catecholamines in amphetamine CNS stimulation (rats)
- ** RO1MH-11468-09 0025 Psychopharmacology research center - Behavioral pharmacology of D- and l-amphetamine and methylphenidate in man
- RO1MH-11468-09 0027 Psychopharmacology research center - Long term effects of P-chloroamphetamine and P-chlorophenylalanine (rats)
- RO1MH-11468-09 0034 Psychopharmacology research center - Modification of the cyclic AMP system by LSD, amphetamines and antipsychotics
- RO1MH-11468-09 0036 Psychopharmacology research center - Medicinal chemistry
- RO1MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- PO1MH-12568-08 0001 Neuropsychopharmacological studies of attention - Animal development-Rats
- ** PO1MH-12568-08 0014 Neuropsychopharmacological studies of attention - Chronic amphetamine effects on social behavior in rats
- RO1MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- ** RO1MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
- RO1MH-14110-07 0009 Neural modulation and transmission - Effects of catecholamines-Related drugs (rabbits)
- RO1MH-14110-07 0010 Neural modulation and transmission - Quantum pharmacology
- RO1MH-14110-07 0013 Neural modulation and transmission - Taurine (rabbits, chickens, mice, earthworms)
- RO1MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)
- RO1MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)
- ** RO1MH-16128-06 Early clinical drug evaluation unit
- ** PO1MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)
- ** PO1MH-16674-06 0006 A program of psychiatry-oriented biological research - Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates
- PO1MH-16674-06 0038 A program of psychiatry-oriented biological research - Effect of amphetamine on primate social perception
- RO1MH-16841-06 0008 Effect of central nervous system lesions on drug action - Uptake of serotonin by telencephalon and cerebellum
- RO1MH-16978-06 Brain studies of purposive behavior (rats)
- RO1MH-17279-05 Psychoactive drugs and the organization of behavior (rats)
- ** RO1MH-17471-05 Drugs on EEG correlates of behavior (primates, cats)
- RO1MH-18332-05 Temporal organization in behavior and development (human)
- RO1MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- RO1MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
- ** RO1MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
- RO1MH-21042-03 Folic acid and behavior
- RO1MH-21247-03 Comparative drug studies of aggressive mechanism (mammals, frogs, orthoptera)
- RO1MH-21934-02 Lithium and aggressive behavior (human)
- ** RO1MH-22149-02 Effects of amphetamine on children
- ** RO1MH-22570-02 Amphetamine tolerance-Central and peripheral studies (rodents)
- RO3MH-23653-01 Drugs, arousal and brain steady potential responses (rats)
- RO1MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
- ** RO1MH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)
- ** RO3MH-25059-01 Developmental neurochemical effects of amphetamine (rats)
- RO1MH-25075-01 Ontogenetic behavior effects of drugs (rats)
- RO1MH-25281-01 Memory consolidation (rats)
- ** RO3MH-25361-01 Action of amphetamine on cells of the brain (snails)
- PO1MH-25515-01 0004 Collaborative biological research on schizophrenia - Regulation of the synthesis of dopamine (rats)
- PO1MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)
- PO1MH-25515-01 0017 Collaborative biological research on schizophrenia - Thermoregulation as a test of hypothalamic dopamine activity in schizophrenics
- RO1MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
- RO1NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)
- RO1NS-07642-08 The storage and release of tissue catecholamines (cattle, dogs, guinea pigs)
- RO1NS-07918-06 Cations and brain glycolytic enzymes (human)
- RO1NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- RO1NS-09613-03 Study of vestibular pathways in the cerebellum (cats, humans)
- RO1NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- PO1NS-10722-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** RO1NS-11019-01 Action of amphetamine on cells of the brain
- RO1NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- RO1NS-11138-02 0006 Chemical mechanism in corpus striatum and behavior - Nigro-striatal dopamine modulation of behavior and arousal (rats)
- ** MO1RR-00425-06 0050 General clinical research center - Amphetamine and pteroin in treatment of obesity (human)
- PHENYLALKYLAMINES, D-AMPHETAMINE**
- ** RO3DA-00521-01 Immunoassay for detection of abused drug (rabbits, goats)
- ** RO1DA-01002-01 Pharmacodynamics of stimulant self-administration (monkeys)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01DA-01057-01 0005 Drugs of abuse-Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)
- ** P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
- P01GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
- P11GM-15431-08 0002 Research center for clinical pharmacology and drug toxicology - Drugs that antagonize guanethidine (human, cats)
- ** P11GM-15477-08 0107 Drug metabolism and biochemical pharmacology - Hyperthermia in D-amphetamine toxicity (mice)
- ** P01HD-06276-03 0026 Mental retardation research program - Ontogeny of drug-induced stereotypical behavior (rats)
- R01HL-10842-06 Antihypertensive agents-Pharmacology (humans, animals)
- P17HL-14150-04 0010 Specialized center of research in hypertension - Natural history of behavioral hypertension (monkeys)
- R10MH-03030-15 Improved clinical screening of phenotropic drugs (human)
- ** R01MH-14432-07 Early screening and long-term drug therapy of children
- P01MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum
- P01MH-18909-04 Pediatric psychopharmacology (human, rats)
- ** R01MH-19211-04 Psychotropic drugs and slow potentials in man
- R01MH-19793-03 Central mechanisms controlling behavioral excitability (rats)
- R01MH-21205-02 Stimulus modulation and drugs in hyperkinesia (human)
- R01MH-21577-02 Behavior control of drug-induced aggression (rats)
- R01MH-22340-02 New method for studying drug effects on learning (pigeons)
- ** R01MH-24329-01 Anticholinergic drugs and emotional behavior (rats)
- ** R01MH-25164-01 Paradoxical drug effects on hyperkinesia (squirrel monkeys)
- R03MH-25319-01 A physiological model of childhood hyperkinesia (rats)
- R01NS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)

PHENYLALKYLAMINES, BENZYLAMINES

- ** M01RR-00068-12 0052 General clinical research center - Antiarrhythmic cardiac drug (human)

PHENYLALKYLAMINES, BENZYLAMINES AY-9944

- R01HL-12533-06 Hypocholesteremic compounds and metabolism (Tetrahyena, Saccharomyces)
- P01HL-13979-04 0014 Cardio-pulmonary-renal program - A cellular lining layer of alveoli (rabbits, rats)
- P01HL-16137-01 0006 Alveolar biology - Hypolipemic agents and their effects on pulmonary epithelial organelles (rats)
- R01NS-10803-03 Experimental pathology of developing nervous system (rodents)

PHENYLALKYLAMINES, BENZYLAMINES, BRETILIUM TOSYLATE

- ** P11GM-15559-07 0029 Clinical pharmacology - Radioactive drugs for myocardial imaging-Bretiliium analogs (dogs)
- R01HL-12647-05 Norepinephrine in vascular tissue
- R01HL-13666-03 Pharmacologic studies on the genesis of cardiac rhythmicity (rabbits, cats)
- P01HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
- P01HL-14780-02 0020 Mechanisms and treatment of cardiovascular diseases - Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat)
- R01HL-14832-02 Myocardial cells-Autonomic and rhythmic mechanisms (human, chick embryo)
- P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- R01HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
- R01MH-24604-01 Toxicity of psychotropic drugs on aminergic neurons
- R01NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)

PHENYLALKYLAMINES, BENZYLAMINES, DIBENAMINE

- R01HL-02835-17 Renal transport carrier for organic compounds (dogs)

PHENYLALKYLAMINES, BENZYLAMINES, PARGYLINE

- R01CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)

- R01EY-00313-07 Chemistry and physiological role of ocular enzymes (rabbits)
- P01HD-06276-03 0073 Mental retardation research program - Catecholamine neurochemistry
- R01MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- ** P01NS-10175-03 0020 Neuromuscular disease research center - Catecholamines-pargyline myopathy in rat
- ** P01NS-11631-01 0070 Clinical center for research on Parkinson's and allied diseases - L-dopa after treatment with pargyline (rats)
- M01RR-00071-11 0045 General clinical research center - Catecholamine metabolism in hypertensive disease (human)

PHENYLALKYLAMINES, BENZYLAMINES, PHENOXYBENZAMINE

- R01AA-00312-03 0005 Acute and chronic gastric mucosal injury due to alcohol - Prevention by anti-inflammatory and vasodepressive drugs, (rats)
- P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
- P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
- R01AM-15843-03 Role of the renal nerves in sodium retaining states (dogs)
- R01AM-16088-01 Significance of intraronal flow during preservation (dogs)
- R01AM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
- R01AM-17125-01 The secretion of pepsin (dogs)
- R01DE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)
- R01EY-00056-05 Pathogenesis of altered ocular vascular permeability (rabbits)
- R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
- P01GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)
- P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
- R01HD-07722-01 Neural regulation of prolactin secretion in the rat
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- P01HL-10342-09 0019 Cardiovascular, pulmonary, and behavioral studies - Cerebral circulation (dogs)
- R01HL-10914-08 Renal sodium transport in experimental aldosteronism (dogs)
- P01HL-11414-07 0020 Thrombosis and atherosclerosis program - Bronchial muscular tone during cardiopulmonary bypass (dogs)
- R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- P01HL-13517-04 0008 Circulatory performance and prediction - Relationship of venous return to circulatory performance (dogs)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- R01HL-15496-01 Cardiac dynamics in experimental cardiogenic shock (dogs)
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- P01MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
- R01MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- R01NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- P01NS-09287-04 0012 Baylor center for cerebrovascular research - Cerebral energy metabolism following acute infarction (monkeys, baboons)
- R01NS-09938-03 Factors affecting cerebral arterial caliber (monkeys)
- R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- R01NS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)
- M01RR-00060-13 0029 General clinical research center - Dopaminergic system in L-dopa treated Parkinson's disease (human)
- M01RR-00865-01 0012 General clinical research center - Effect of sympathetic nervous system on sodium excretion during starvation

PHENYLALKYLAMINES, CATECHOLAMINES

SEE ALSO CYCLIC AMINO ACIDS, DMPA

- SEE ALSO CYCLIC AMINO ACIDS, DOPA
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
- ** R12AA-00209-07 0010 Washington University Alcoholism Research Center - Chronic alcohol administration and enzymes in catecholamine metabolism in rats
- ** R01AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)
- R01AA-00242-06 Alcoholism and diseases of the heart
- R01AA-00252-05 Alcohol and brain macromolecules (mice, rats)
- R01AA-00257-05 Respiratory-depressive effects of ethanol (mice)
- ** R01AA-00296-03 Effects of alcohol on monoamine metabolism (rats)
- R01AA-01217-01 Investigations of experimental alcohol dependence
- ** R01AA-01260-01 Ethanol and catecholamine cardiomyopathies
- R01AA-01387-01 Catecholamine-derived alkaloids in alcoholism (rats)
- R01AA-01395-02 Metabolic regulation of neuro-active aldehydes (rats, rabbits)
- R22AI-09029-06 0011 Cholera toxin and intestinal ion transport - Cholera toxin activation of adenylate cyclase in turkey erythrocytes
- R01AI-11238-01 Carbohydrate loss during experimental endotoxemia (mice)
- R01AI-12221-01 Mechanisms of toxicity of bacterial endotoxin (sheep, mice)
- R01AI-12236-01 Dopamine excretion in differential diagnosis of asthma (human)
- R01AM-01324-18 Hormones and intermediary metabolism (human, animals)
- R01AM-01921-17 Transport processes in mammalian cells (human, rodents)
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- R01AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
- R01AM-05427-13 Biochemistry of the adrenal medulla (cats, rabbits, guinea pigs)
- R01AM-05475-13 Action of hormones and cyclic nucleotides (rats)
- ** P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
- ** P01AM-07462-11 0049 Hormonal regulation of metabolism - Mechanisms of action of catecholamines in liver
- R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
- R01AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
- R01AM-10149-09 Hormonal control of lipid metabolism (rats)
- R01AM-10420-09 Active transport of organic bases by the renal tubules (chick embryo, rats)
- R01AM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- R01AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
- R01AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- R01AM-12957-06 Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens)
- R01AM-12974-05 Factors involved in insulin homeostasis (dogs)
- ** R01AM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
- R01AM-13211-06 Kidney control of erythropoietin production (human, animals)
- R01AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
- ** R01AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
- R01AM-14347-06 Control of gluconeogenesis by adrenal hormones (rats)
- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
- R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
- R01AM-16080-03 Renal dysfunction related to choline deficiency (rats)
- R01AM-16153-03 Mechanism of termination of calcium mediated secretion (cows)
- ** R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
- P01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
- R01AM-16811-01 Biogenesis of catecholamine storage vesicles (rats, cattle)
- R01AM-16813-01 Congenital megacolon (mice)
- P17AM-17026-01 0015 Vanderbilt University Diabetes-Endocrinology Center - Regulatory mechanisms in lipid metabolism (rats)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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(contd)

- P17AM-17046-01 0002 Diabetes endocrinology center - Ketacidosis and hyperosmolar coma (human)
- P17AM-17046-01 0006 Diabetes endocrinology center - CNS effects on insulin and glucagon secretion (human)
- R01AM-17212-01 Life cycle of adrenal medulla chromaffin granules
- R01AM-17238-01 Gastrins, neurotransmitters and antral smooth muscle (human, mammals)
- R01AM-17438-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)
- R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
- ** R01CA-07535-11 Influence of hormones on tissue metabolism (rats)
- R01CA-08349-09 Potential tumor or organ imaging agents
- P01CA-08748-09 7004 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies of neuroblastoma (human)
- R01CA-10064-12 Hormonally sensitive tumors (mice, rats)
- R01CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- P01CA-12708-03 0001 Studies of normal and malignant growth - Phosphorylation of human erythrocyte membrane proteins
- ** P01CA-12708-03 0008 Studies of normal and malignant growth - Membrane structural alterations in response to catecholamines (mammals)
- R01CA-13451-02 The biology of human neuroblastoma
- P02CA-13943-02 0032 Clinical pharmacology immunology cancer research center - Inflammation and cancer (human, mice)
- P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
- R01DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
- ** R01DA-00053-02 Amphetamine, nervous stimulation and brain amines (mice)
- ** R01DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)
- ** R01DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
- ** P01DA-00250-03 0002 Research center-Studies of drug dependence and abuse - Neurochemistry and pharmacology of morphine and opiates (rats, primates)
- P01DA-00250-03 0006 Research center-Studies of drug dependence and abuse - Autoradiography of psychopharmacological agents (rats, mice)
- ** P01DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man
- ** P01DA-00266-03 0001 Johns Hopkins drug abuse research center - Amphetamine, brain catecholamines and opiate receptors (rats, guinea pigs)
- P01DA-00266-03 0002 Johns Hopkins drug abuse research center - Interactions of drugs of abuse and mouse neuroblastoma in tissue culture
- P01DA-00266-03 0004 Johns Hopkins drug abuse research center - Central reward mechanisms-Drug interactions (rats, monkeys)
- R01DA-00322-01 Physical dependence on barbiturates (mice)
- R01DA-00397-03 Narcotic agonist antagonist relationship in brain (mice)
- R01DA-00538-01 Thiamine deficiency (rats, mice)
- R01DA-00991-01 Chronic cardiovascular effects of marihuana (dogs)
- R01DA-01057-01 0005 Drugs of abuse-Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)
- R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
- R01ES-01077-09 Synthesis and localization of biogenic amines in brain (rats)
- R01EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)
- R01EY-00184-21 Functional development of eye (human, monkey, rabbits)
- R01EY-00237-13 Physiologic studies of intraocular pressure (rabbits)
- R01EY-00476-08 Regulation of the intraocular pressure (human, monkeys)
- R01EY-00683-04 Cytology, cytochemistry and synapses of dog retina
- R01EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- ** R01EY-01352-01 Adrenergic physiology of the eye (rabbits, monkeys)
- P01GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
- P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
- ** P01GM-10402-12 0025 Zoophysiology in Alaska - Sympathoadrenal responses in seasonal acclimatization to cold
- ** P01GM-10402-12 0030 Zoophysiology in Alaska - Excretion of catecholamines during 14 daily 12-hour walks
- P01GM-12202-11 Cellular energy metabolism
- P01GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
- P11GM-15190-08 0001 Center for toxicological research and training - Toxicology of fluoride (human, rats)
- P01GM-15430-07 0022 Research in anesthesia - Analytical chemistry
- P11GM-15431-08 0004 Research center for clinical pharmacology and drug toxicology - P-hydroxynorepinephrine and related false adrenergic neurotransmitters (rats)
- P11GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monamines (human)
- ** P11GM-15477-08 0109 Drug metabolism and biochemical pharmacology - Haloperidol and amantadine in rats
- ** P11GM-15477-08 0110 Drug metabolism and biochemical pharmacology - Brain catecholamines, diethylthiocarbamate and dogs (rats)
- R01GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- P01GM-15571-06 0063 Anesthesia research-Program project - Human studies-Cyclopropane MAC
- P01GM-15571-06 0066 Anesthesia research-Program project - Human studies-Age and MAC
- P01GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- R01GM-15847-06 High speed liquid gas chromatography
- P11GM-15956-07 0045 Factors affecting the responses to drugs - Tumors potentiating catecholamine-induced hypertension (rats)
- P01GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation
- P01GM-16593-06 0011 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Pharmacology of renal hemodynamic responses to contrast media (dogs)
- ** P01GM-19443-03 0023 Problems in clinical genetics - Catecholamines in familial dysautonomia
- ** P01GM-19443-03 0024 Problems in clinical genetics - Catecholamines in essential hypertension (human)
- R01GM-19571-02 Metabolism and nutrition in burns and trauma (human, rats)
- R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
- R01GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
- R01GM-19998-02 Role of cell membrane in hormone secretion and action (rats, mice)
- R01GM-20311-06 Biosynthesis of ubiquinone (rats, bacteria)
- ** R01GM-20457-02 0003 GC-MS and stable isotopes in pharmacological research - Release of biogenic amines from brain by amphetamine-correlation with behavior
- R01GM-21748-01 Metabolism and nutrition in burns and trauma (human, rats)
- R01HO-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
- R01HO-01269-12 Control of metabolism in tetrahymena
- R01HO-01866-09 Physiological study of the placenta (sheep)
- P01HD-02274-08 0151 Mental retardation and child development - Neuroendocrinological abnormalities in mental retardation syndromes
- R01HD-02296-09 Sensory evoked EEG and behavioral responses in children (human)
- ** R01HD-02798-07 Primate uterine physiology (monkeys)
- P01HD-02881-07 0001 Developmental and behavioral neuroendocrinology - Prenatal studies (mice)
- R01HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)
- ** R01HD-03752-05 0015 Mammalian reproduction - Hormonal influence of catecholamine-containing nerve fibers of the rabbit oviduct
- R01HD-03959-06 Carbohydrate metabolism in the neonate (human, swine, rats)
- R01HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- P01HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
- P01HD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)
- R01HD-05740-03 Control of fetal and neonatal glucose metabolism (human, dogs, rats)
- R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- P01HD-06276-03 0026 Mental retardation research program - Ontogeny of drug-induced stereotypical behavior (rats)
- P01HD-06276-03 0059 Mental retardation research program - Effects of false transmitters on behavior and brain chemistry (rats, rabbits)
- ** P01HD-06276-03 0073 Mental retardation research program - Catecholamine neurochemistry
- ** R01HD-06983-09 Properties of smooth muscle (rats)
- R01HD-07078-02 Growth and development of human fetal brain in vitro
- ** P01HD-07110-02 0028 Biomedical center for population research - Biogenic amines (human, baboons, monkeys)
- P01HD-07173-02 0003 Structure and function of aging human fibroblasts - Adenyl cyclase system and hormone receptors (WI 38)
- R01HD-07338-01 Aging and biosynthesis in non-dividing cells (mice)
- R01HD-07389-01 Regulation of sympathetic neuroblast differentiation
- R01HD-07422-02 Regulation of pineal enzymic activity by sex steroids (quail)
- R01HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
- R01HD-07602-02 Neural influence on hypophyseal-gonadal function (monkeys, rats)
- R01HD-07693-01 Hormonal interactions in uterus (cattle)
- R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
- ** P01HD-08658-01 0006 Developmental neurobiology in primates - Catecholamines and serotonin in the nervous system development (rhesus monkeys)
- ** R01HD-08924-01 Role of brain monoamines in gonadotropin release (rats)
- R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
- R01HL-01646-24 Lungs in head injury-Regional brain blood flow and Po2 (mammals)
- R01HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
- P01HL-03174-19 0008 Mechanisms of acute vascular reaction to injury - Response of myocardial cells to injury-induction of changes, mode of repair (rat)
- R01HL-03290-17 Controls of cardiac and vascular smooth muscles
- R01HL-04801-14 Cardiac conduction and cardiac contraction (dogs)
- P01HL-05435-14 0004 Cardiovascular research and training program - Analytical biochemistry (human)
- ** R01HL-05711-13 Pressor mechanisms in hypertension (human)
- R01HL-05806-14 Analysis of antiarrhythmic agents (dogs, rabbits)
- ** R01HL-05875-14 Pathologic metabolic and physiologic studies of heart (dogs)
- R01HL-06143-14 Response of the totally denervated heart to exercise (dogs)
- ** P01HL-06285-14 0184 Cardiovascular-respiratory physiology and biochemistry - Regulation of renin secretion (dogs)
- ** P01HL-06285-14 0185 Cardiovascular-respiratory physiology and biochemistry - Catecholamine receptors (rabbits)
- P01HL-06308-14 0027 Mechanisms and therapy of circulatory disease - Regulation of vasopressin (human, animals)
- P01HL-06349-13 0008 Cardiovascular disease clinical program project - Angiotensin and renin secretion in prehypertensive adolescents
- P01HL-06664-13 0027 Cardiopulmonary function in remediable vascular disease - Factors controlling pulmonary perfusion in the reimplanted lung (dogs)
- P01HL-06664-13 0032 Cardiopulmonary function in remediable vascular disease - Hormonal control of salt and water in cardiovascular disease (toads)
- P01HL-06835-13 0002 Cardiovascular disease - Renin angiotensin system (human, mammals)
- P01HL-07299-13 0072 Hypertension, shock and circulatory failure - Neurogenic factors in blood pressure regulation (human)
- P01HL-07896-13 0025 Environmental biomedical research program - Effects of helium on cardiovascular function (dogs)
- P01HL-08195-12 0024 Circulatory physiology - Control of cyclic nucleotide levels in coronary arteries (swine)
- R01HL-08258-10 Movement of the mitral valve (horses)
- R01HL-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- P01HL-08682-11 0001 Regulation of the cardiovascular system - Regulation of the cardiodynamic mechanisms (human, animals)
- P01HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
- P01HL-08682-11 0011 Regulation of the cardiovascular system - Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits)
- R01HL-08929-10 0005 Surgical vascular disorders - Pulmonary embolism (dogs, human)
- R01HL-09154-10 Central control of distribution of organ blood flow (monkeys)
- R01HL-09315-11 Coronary insufficiency and myocardial revascularization (human, dogs)
- R01HL-09567-09 Biophysical mechanisms of cardiac membrane responses (guinea pigs)
- P01HL-10342-09 0002 Cardiovascular, pulmonary, and behavioral studies - Effect of carbon monoxide and hypoxic hypoxia on venous return (dogs)
- P01HL-10539-09 0021 Pathophysiology of circulation - Endurance time and maximal oxygen uptake (athletes)
- ** R01HL-10612-08 0001 Humoral factors in experimental heart failure - Effects of catecholamines and renal nerve stimulation on renin release (dogs)

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**Oriented significantly to above subject.

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(contd)

- R01HL-10869-08 Response of the denervated heart to drugs (rats dogs)
- R01HL-11155-08 Conduction in the myocardium (animals)
- R01HL-11391-07 Experimental basis for shock therapy (rats, human)
- ** R01HL-11414-07 0028 Thrombosis and atherosclerosis program - Catecholamine metabolism in the lung (rats)
- R01HL-11432-06 Hemodynamic factors in cardiac development (turtles, chick embryo)
- R01HL-11876-07 Coronary resistance and cardiac metabolism (dogs)
- R01HL-12322-06 Extrinsic factors influencing myocardial performance (dogs)
- R01HL-12373-06 0002 Cardiopulmonary physiology and pathophysiology - Mechanisms of adaptation in the whole heart (human)
- R01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- R01HL-12462-05 Pharmacologic studies on vascular smooth muscle (dogs, rats)
- R01HL-12647-05 0001 Norepinephrine in vascular tissue - Inactivation of norepinephrine in vascular tissue (rabbits)
- R01HL-12648-05 Catecholamine metabolism in hypertensive diseases (human, rats)
- R01HL-12707-04 Mechanism of renal circadian cycles (human, dogs, rabbits, guinea pigs)
- R01HL-12738-06 0080 Physiologic pharmacology and its clinical applications - Electrophysiology of cardiac muscle in the mitral valve (human, dogs)
- R01HL-12774-05 Depolarization-contraction relation-Heart muscle (cats, frogs)
- ** R01HL-12777-05 Mechanisms in cardiac performance (dogs, cats)
- R01HL-12990-05 Control of ADH secretion and metabolism (dogs, rats, rabbits)
- R01HL-13036-04 Coronary thrombosis (human, dogs)
- R01HL-13088-05 Surgical aspects of myocardial hypertrophy (dogs)
- ** R01HL-13108-05 0024 Clinical heart transplantation - Catecholamine hypersensitivity in the longterm transplant survivor (human)
- R01HL-13207-04 Small vessel mechanisms during hemorrhagic shock (bats, rats)
- R01HL-13306-04 Electrophysiology of heart muscle (cattle)
- R01HL-13334-05 Protective mechanisms in shock (rabbits, rats)
- R01HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
- ** R01HL-13607-04 Role of catecholamines in hypertension (human)
- R01HL-13623-05 Atrial receptors (dogs)
- R01HL-13666-03 Pharmacologic studies on the genesis of cardiac rhythmicity (rabbits, cats)
- R01HL-13715-04 Myocardial adenylyl cyclase (human, rabbits)
- ** R01HL-13872-16 0004 Body composition and metabolic care in surgery - Endocrine interrelationships after injury (human)
- R01HL-13924-03 Mode of action of acetylcholine (rabbits, cats)
- R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
- ** R01HL-14053-03 Cardiovascular determinants of catecholamine release (dogs)
- R01HL-14126-13 Effect of function on grafts and implants of collagen (dogs)
- P17HL-14141-04 0006 SCOR for atherosclerosis in childhood - Effect of stress upon plasma lipids in childhood
- ** P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
- P17HL-14150-04 0001 Specialized center of research in hypertension - Humoral and neural control of vasomotor tone (human)
- P17HL-14150-04 0004 Specialized center of research in hypertension - Methods for measurement of plasma aldosterone and catecholamines (rabbits)
- ** P17HL-14159-04 0006 Specialized center of research in hypertension - Catecholamines and myocardial metabolism in hypertensive rats
- P17HL-14159-04 0016 Specialized center of research in hypertension - Assay of beta-adrenergic and glucagon receptors in hypertension (rodents)
- P17HL-14159-04 0018 Specialized center of research in hypertension - Sympathetic nervous system in development of hypertension (rats)
- P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
- P17HL-14242-04 0001 Specialized center of research in hypertension - Clinical study of malignant hypertension
- R01HL-14388-03 0007 Regulation of the circulation in pathological states - Effect of elevated arterial pressure on vascular response in hypertension (dogs)
- R01HL-14388-03 0010 Regulation of the circulation in pathological states - Hypertension produced by central administration of angiotensin (dogs)
- R01HL-14388-03 0013 Regulation of the circulation in pathological states - Angiotensin and sympathetic stimulation in man
- R01HL-14388-03 0024 Regulation of the circulation in pathological states - Adrenergic system in atherosclerosis (monkeys)
- R01HL-14388-03 0032 Regulation of the circulation in pathological states - Oxygen consumption of vascular segments, response to adrenergic stimuli (animals)
- R01HL-14388-03 0033 Regulation of the circulation in pathological states - Reactivity of coronary vessels in chronic congestive failure (animals)
- R01HL-14434-03 Ionophore action on heart and other membrane systems (rats, rabbits, dogs)
- R01HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
- R01HL-14526-02 Oral contraceptives and hypertension (rats)
- R01HL-14535-03 Intrarenal aspects of the renin-angiotensin system (sheep, rats, rabbits)
- R01HL-14548-16 Control of activity in cardiac and smooth muscle (frogs)
- ** R01HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
- R01HL-14717-02 Hemodynamics and heart structure-Ventricular overload (human, dogs)
- R01HL-14780-02 0003 Mechanisms and treatment of cardiovascular diseases - Control of peripheral circulation-Function of venous systems (human)
- R01HL-14899-02 Mechanisms and prevention of cardiac arrhythmias (dogs)
- R01HL-15002-03 Biochemical pharmacology of guanylyl cyclase in lung (cattle)
- R01HL-15011-02 Altered adrenergic function in essential hypertension (human, rats)
- P17HL-15062-03 0014 Study of lipoproteins, artery wall, and atherosclerosis - Clinical studies of dyslipoproteinemia and myocardial infarct (human)
- R01HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
- R01HL-15232-02 Myocardial conversion of angiotensin I (dogs, rabbits)
- R01HL-15307-02 Central nervous control of renin and blood pressure
- R01HL-15313-02 Cyclic AMP metabolism in leukocytes from asthmatics
- R01HL-15357-02 Etiologic mechanisms of renal hypertension (dogs)
- R01HL-15365-02 Treatment of post surgical vasoconstriction (dogs, cats, monkeys)
- R01HL-15390-08 Regulation of blood flow in the microcirculation
- R01HL-15580-02 Humoral control of pulmonary and systemic circulation (dogs)
- R01HL-15696-02 Molecular basis of regulation of heart function (rats)
- R01HL-15697-02 Circulatory system effects of angiotensin analogs (rats)
- ** R01HL-15758-02 Catecholamine release in the heart (dogs)
- R01HL-15808-02 Role of angiotensinogen in hypertension and stroke (rabbits)
- R01HL-15833-01 0015 Pharmacologic and physiologic basis of cardiac therapy - Changes induced in the denervated transplanted human heart
- R01HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
- R01HL-16037-01 Molecular properties of cardiac adrenergic receptors
- R01HL-16102-01 Control of renin in the adrenal medulla
- R01HL-16135-01 Mechanisms of cardiac autorhythmicity (dogs)
- R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- R01HL-16478-01 0006 Hemodynamic relations to metabolism in hypertension - Hypertensive isotope and immunossay laboratory
- R01HL-16482-01 Cardiovascular effects of respiring He-02 mixtures (rats, dogs)
- M R01HL-16531-01 Clinical cardiology-Emphasis hypertension
- R01HL-16531-01 0001 Clinical cardiology-Emphasis hypertension - Hypertension proneness-Long term study of risk factors in young black americans
- ** R01HL-16531-01 0002 Clinical cardiology-Emphasis hypertension - Blood pressure and catecholamines in prediction of hypertension
- R01HL-16531-01 0006 Clinical cardiology-Emphasis hypertension - Isometric and treadmill exercise in detecting prehypertensive state
- R01HL-16552-01 Regulation of cardiac adenylyl cyclase activity (cats, bacteria)
- R01HL-16573-01 Prevention of sudden coronary death (human)
- ** R01HL-16607-01 0004 Calcium ion and control of cardiovascular function - Contractile effects of calcium ionophores (animals)
- R01HL-16671-01 Action of sympathomimetic amines (dogs, cats, rats)
- R01HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
- R23HL-17136-01 Isoproterenol binding to lymphocytes of asthmatics
- R01HL-17684-01 Adrenergic mechanisms in cardiac muscle (rabbits, cats)
- ** R01HL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)
- N01HV-22973-02 Investigation of lethal arrhythmias in coronary heart disease (dogs)
- N01HV-22974-02 Lethal arrhythmias in relation to coronary heart disease (dogs)
- N01HV-22975-02 Lethal arrhythmias associated with coronary heart disease (human)
- N01HV-81331-08 Myocardial infarction research unit (human, mammals nonhuman)
- R01MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
- ** R01MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- R01MH-04954-13 Limbic system lesions and brain neurohumors (rats, rabbits)
- M R01MH-08618-10 Biological studies of psychotic disorders
- ** R01MH-08618-10 0039 Biological studies of psychotic disorders - Guaiacol-O-methyltransferase (GOMT) (rats, mice)
- ** R01MH-08618-10 0042 Biological studies of psychotic disorders - Studies of N-acetylase (rats, human)
- ** R01MH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- R01MH-08618-10 0047 Biological studies of psychotic disorders - Autistic and schizophrenic children
- ** R01MH-08618-10 0050 Biological studies of psychotic disorders - Relationship between brain and blood enzymes (human, rats)
- R12MH-09252-07 Serological fractions in schizophrenics and controls (human, primates, rats)
- R01MH-11191-09 Brain amines and behavior (mice)
- R01MH-11468-09 0021 Psychopharmacology research center - Hydroxylated metabolites of amphetamine in the CNS (rats)
- ** R01MH-11468-09 0022 Psychopharmacology research center - Stored vs newly synthesized catecholamines in amphetamine CNS stimulation (rats)
- ** R01MH-11468-09 0023 Psychopharmacology research center - PCA and the synaptosomal uptake of catecholamine and 5HT (rats)
- R01MH-11468-09 0029 Psychopharmacology research center - Serotonergic mechanisms in action of morphine (rats, mice)
- R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- R01MH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs
- R01MH-12526-09 Drug effects on learning and memory (rats, mice)
- ** R01MH-13002-06 0011 Clinical and laboratory studies of affective disorder - Brain biochemistry
- R01MH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)
- R01MH-13002-06 0040 Clinical and laboratory studies of affective disorder - The neurochemistry of aging (rats)
- R01MH-14110-07 0008 Neural modulation and transmission - Phenylethylamine and phenylethanolamine
- R01MH-14110-07 0009 Neural modulation and transmission - Effects of catecholamines-Related drugs (rabbits)
- R01MH-14110-07 0010 Neural modulation and transmission - Quantum pharmacology
- R01MH-14110-07 0011 Neural modulation and transmission - Muscarinic and nicotinic cholinergic receptors (rabbits)
- R01MH-14110-07 0015 Neural modulation and transmission - Convulsions and antiepileptic drugs (earthworms)
- R01MH-14360-07 Psychoendocrine correlates in schizophrenia (rats)
- R01MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)
- ** R01MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)
- ** R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- ** R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- R01MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues-Effect of cations (rats)
- R01MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)
- ** R01MH-16674-06 0009 A program of psychiatry-oriented biological research - Release of neurotransmitters from synaptosomes (rats)
- R01MH-16674-06 0012 A program of psychiatry-oriented biological research - False neurotransmitters in altered functioning of nervous system (rats)

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- RO1MH-16841-06 0013 Effect of central nervous system lesions on drug action - Role of acetylcholine and catecholamines in regulation of water and food intake
- RO1MH-16841-06 0015 Effect of central nervous system lesions on drug action - Effect of medial hypothalamic lesions on brain-stem content of norepinephrine
- RO1MH-16978-06 Brain studies of purposive behavior (rats)
- RO1MH-17387-05 Anti-psychotic drugs—Role of cyclic AMP (human, mice)
- RO1MH-18070-05 Experimental depression induced in infant monkeys
- RO1MH-21090-03 Preclinical studies of rubidium in affective illness (dogs, primates)
- RO1MH-21413-03 Enzyme induction and transport in adrenergic nerves (human, animals)
- RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- ** PO1MH-21586-02 Biogenetic studies of the affective disorders
- RO1MH-21730-03 Role of metal chelates in biogenic amine activity
- ** RO1MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- RO1MH-21874-03 Brain specific MAO—Characterization and localization (monkeys)
- RO1MH-21892-02 Biochemical studies of depression in primate models
- RO1MH-22768-02 Neurochemical and behavioral effects of severe stress (rats)
- RO1MH-23645-02 0006 Behavior-hormone changes in adolescence - Biochemical techniques (chimpanzee)
- M PO1MH-23861-02 Biogenic amines and behavior
- ** PO1MH-23861-02 0001 Biogenic amines and behavior - Interaction biogenic amines with subcellular particles (rats, human, dogs)
- ** PO1MH-23861-02 0003 Biogenic amines and behavior - Pteridine cofactors in catecholamine and serotonin biosynthesis (rats, human)
- ** PO1MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
- ** PO1MH-23861-02 0005 Biogenic amines and behavior - Genetic regulation of biogenic amines (mice, human, cattle, rats)
- ** PO1MH-23861-02 0006 Biogenic amines and behavior - Analytical mass fragmentography—Indole derivatives in CNS (rats)
- ** PO1MH-23861-02 0007 Biogenic amines and behavior - Assay of biogenic amines in brain (rats)
- ** PO1MH-23861-02 0010 Biogenic amines and behavior - Relation of catecholamines to pituitary-adrenal function (rats, human)
- ** PO1MH-23861-02 0014 Biogenic amines and behavior - Adrenal medullary secretion and catecholamine response to stress (monkeys, human)
- ** PO1MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
- PO1MH-23861-02 0019 Biogenic amines and behavior - Biogenic amines, sleep (cats)
- ** RO1MH-24114-01 Chemistry of reward and related behaviors
- RO1MH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)
- ** RO1MH-24393-02 0001 MHPG excretion, catecholamine metabolism, and depression - Effects of imipramine upon urinary excretion of catecholamine metabolites (human)
- RO1MH-24393-02 0002 MHPG excretion, catecholamine metabolism, and depression - Clinical pharmacology studies
- RO1MH-24393-02 0004 MHPG excretion, catecholamine metabolism, and depression - Longitudinal studies of patients with alternating manic and depressive episodes
- ** RO1MH-24393-02 0011 MHPG excretion, catecholamine metabolism, and depression - Metabolism of catecholamines in human brain
- RO1MH-24604-01 Toxicity of psychotropic drugs on aminergic neurons
- RO1MH-25281-01 Memory consolidation (rats)
- ** RO3MH-25341-01 Effects of hypoxia on brain monoamines and behavior (rats)
- RO3MH-25352-01 Brain dysfunction, hyperactivity and lead exposure (rats)
- RO1MH-25444-01 Drugs, aggression and neurochemistry (mice)
- ** RO1MH-25505-01 Drugs, catechol amines and Krebs cycle interaction
- PO1MH-25515-01 0014 Collaborative biological research on schizophrenia - Biological markers or correlates of schizophrenia
- RO1MH-25601-01 Brain dopamine-beta-hydroxylase regulation and behavior
- RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- RO1NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)
- RO1NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- PO1NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, necturus)
- PO1NS-02253-15 0002 Neurophysiological and neurochemical studies - Studies of fibroblasts and neurons in tissue culture
- ** PO1NS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
- PO1NS-03346-13 0017 Research center for cerebrovascular disease - Experimental central neurogenic hypertension (cats)
- PO1NS-03354-13 0001 Neurosensory center - Neuro-ophthalmology
- PO1NS-03364-12 0030 Neurological research center in cerebrovascular disease - Neuronal, chemical and enzymatic effects of cerebral infarction and hemorrhage
- RO1NS-03469-13 Neurological bases of feeding and drinking (rats)
- RO1NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- PO1NS-04053-12 0010 Epilepsy - Neurochemistry (human, monkeys, cats)
- ** RO1NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- RO1NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
- RO1NS-05716-10 Cyclic 3,5-AMP in action of neurohormones (rabbits, guinea pigs)
- PO1NS-06208-09 0018 Epilepsy research program - Brain amine and seizure activity (rats, mice)
- RO1NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- RO1NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- ** RO1NS-06801-08 Biogenic amines and extrapyramidal disorders (human, animals)
- PO1NS-06826-06 Univ Tennessee cerebrovascular research center (human, dogs, cats, monkeys)
- ** RO1NS-06911-07 Brain catecholamines in defense reaction (rats, cats)
- RO1NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
- RO1NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
- M PO1NS-07253-06 Center for clinical studies of head injuries
- RO1NS-07275-07 Metabolism of biogenic amines (rats)
- ** PO1NS-07463-04 0003 Cerebrovascular research center - Catecholamines in cerebrovascular disorders associated with hypertension
- RO1NS-07540-07 Sympathetic ganglia following conditioning (frogs)
- ** RO1NS-07642-08 The storage and release of tissue catecholamines (cattle, dogs, guinea pigs)
- RO1NS-07767-06 Pacinian receptors and vasomotor regulation (cats, dogs)
- RO1NS-07848-07 Synaptic chemistry in the nervous system (lobsters)
- RO1NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- PO1NS-07938-06 0001 Peripheral and central nervous system - Chemosensory receptors (cats, frogs)
- PO1NS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)
- ** RO1NS-08740-08 Electrochemistry—EPR of biological electron transfer
- RO1NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- ** RO1NS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
- RO1NS-09178-10 Biochemical mono and polyphosphate crystal structures
- ** PO1NS-09199-04 0001 Effect of L-dopa on synthesis of amines in brain (human, animals) - Therapeutic and side effects of L-dopa (human)
- PO1NS-09199-04 0002 Effect of L-dopa on synthesis of amines in brain (human, animals) - Psychiatric effects of L-dopa (human)
- ** PO1NS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinson's (human)
- ** PO1NS-09199-04 0004 Effect of L-dopa on synthesis of amines in brain (human, animals) - Brain catecholamines of L-dopa treated (monkeys, rats, rabbits)
- PO1NS-09199-04 0007 Effect of L-dopa on synthesis of amines in brain (human, animals) - Characterization of Lewy bodies from brain stem (human)
- PO1NS-09199-04 0008 Effect of L-dopa on synthesis of amines in brain (human, animals) - Cyclic AMP in basal ganglia function (rats)
- PO1NS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)
- RO1NS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
- PO1NS-09287-04 0005 Baylor center for cerebrovascular research - Hemispheric blood flow and metabolism in cerebrovascular disease (human)
- RO1NS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
- ** RO1NS-09331-04 Cytology and function of adrenergic neurons in brain (toads)
- ** RO1NS-09399-10 Catecholamine receptor sites—Stereochemical approaches
- RO1NS-09471-02 Folic acid deficiency and brain development (mice, rats)
- RO1NS-09475-04 Transport and membrane circulation in nervous tissue (animals)
- RO1NS-09570-10 Blood flow changes in otic and nasal tissue (human, dogs)
- PO1NS-09649-04 0001 Research in parkinsonism - Anatomy of aminergic systems in brain (monkeys, rats, human)
- PO1NS-09649-04 0002 Research in parkinsonism - Neuromelanin (monkeys, amphibians, rodents, human)
- PO1NS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
- RO1NS-09938-03 Factors affecting cerebral arterial caliber (monkeys)
- PO1NS-10175-03 0020 Neuromuscular disease research center - Catecholamines-pyruvate myopathy in rat
- ** PO1NS-10175-03 0021 Neuromuscular disease research center - Catecholamines-muscular dystrophy in humans
- RO1NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
- RO1NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- RO1NS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
- RO1NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- RO1NS-10320-02 Transmitter release by nerve terminals (frogs, crayfish)
- ** RO1NS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
- RO1NS-10578-01 Regulation of enzyme development in neurons (rats)
- ** RO1NS-10618-02 Mechanisms of neurotransmitter release (rats)
- RO1NS-10711-02 Genetic study of metabolism of neural transmitters (human, mice)
- ** PO1NS-10981-02 0015 Control of activity in excitable tissues - Effect of catecholamine and related agents on Na-ion transport in muscle (frogs)
- RO1NS-11027-01 Cellular interaction in neuronal tissue culture
- PO1NS-11066-01 0003 Fundamental studies in spinal cord injury - Pharmacological studies in spinal cord injury (cats, monkeys)
- RO1NS-11137-02 Neurochemical correlates of experimental cretinism (rats)
- RO1NS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
- ** RO1NS-11496-01 Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens)
- RO1NS-11505-01 Synaptic transmission in autonomic ganglion cells (salamanders)
- RO1NS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
- RO1NS-11557-01 Neurochemical studies of cultured sympathetic neurons (mice)
- RO1NS-11576-01 Development of sympathetic junctions in culture (rats)
- RO1NS-11609-01 Muscle membranes and muscle disease (human)
- PO1NS-11631-01 0003 Clinical center for research on Parkinson's and allied diseases - Electron microscopy studies (animals)
- ** PO1NS-11631-01 0004 Clinical center for research on Parkinson's and allied diseases - Histochemical studies (dogs, rats)
- PO1NS-11631-01 0066 Clinical center for research on Parkinson's and allied diseases - Electrophysiology of the mesencephalic route of corticothalamic fibers
- PO1NS-11631-01 0058 Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline
- ** PO1NS-11631-01 0064 Clinical center for research on Parkinson's and allied diseases - Effects of drugs on catecholamines (chicken)
- ** PO1NS-11631-01 0068 Clinical center for research on Parkinson's and allied diseases - Interaction of catecholamine and amino acid metabolism
- PO1NS-11642-01 0014 Basic and clinical neuroendocrinology - Pituitary function and nervous system
- PO1NS-11766-01 0001 Clinical research center for neuromuscular disease - Muscle membranes and muscle disease (human)
- RO1NS-12038-01 Excitation contraction coupling in skeletal muscle (mytilus)
- RO1NS-12113-01 Pentose phosphate pathway in neural tissue (rats)
- MO1RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- ** MO1RR-00035-14 0071 General clinical research centers - Role of catecholamines in fasting (human)
- ** MO1RR-00035-14 0126 General clinical research centers - Assay for catecholamines (human)
- ** MO1RR-00043-14 0044 General clinical research center - Catecholamine turnover in man
- MO1RR-00046-14 0022 General clinical research center - Hypertension (human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- MOIRR-00051-13 0006 General clinical research center - Relation of therapeutic and side effects of L-dopa with catecholamine metabolism
- MOIRR-00052-13 0049 General clinical research center for children - Turner's syndrome
- MOIRR-00059-13 0095 General clinical research center - Effect of catecholamines on ventilation in carotid body chemodectomas (human)
- MOIRR-00065-12 0027 General clinical research center - Catecholamine responsiveness to growth hormone deficiency, hypothyroidism (human)
- MOIRR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)
- MOIRR-00071-11 0037 General clinical research center - Antihypertensive drugs-Digital circulation (human)
- MOIRR-00071-11 0045 General clinical research center - Catecholamine metabolism in hypertensive disease (human)
- MOIRR-00071-11 0046 General clinical research center - Effect of glucocorticoids in catecholamine metabolism in hypertension (human)
- MOIRR-00084-12 0002 General clinical research center-children - Metabolic effects of total fasting
- MOIRR-00095-14 0021 General clinical research center - Adrenergic pharmacology (human)
- MOIRR-00095-14 0051 General clinical research center - Penicillamine treatment of muscular dystrophy (human)
- MOIRR-00095-14 0064 General clinical research center - Evaluation of antineoplastic therapy for pheochromocytoma (human)
- MOIRR-00123-11 0008 General clinical research center-Children - Leukocyte kinetics
- MOIRR-00125-11 0231 General clinical research center-adult-child - Brain monoamine metabolism and neuropsychiatric disorders
- MOIRR-00125-11 0236 General clinical research center-adult-child - Biogenic amines in autistic and atypical children
- MOIRR-00134-10 0001 General clinical research center - Serotonin metabolism (human)
- MOIRR-00211-10 0032 General clinical research center - Carbohydrate and catecholamine metabolism in pheochromocytoma (human)
- MOIRR-00211-10 0061 General clinical research center - Effect of dexamethasone on catecholamines and pituitary-adrenal axis in man
- MOIRR-00229-09 0026 General clinical research center - Catecholamine metabolism and neural maturation in children
- MOIRR-00240-10 0031 General clinical research center-Children - Hypoglycemia
- MOIRR-00284-08 0030 General clinical research center-pediatric - Affective disorders of childhood
- MOIRR-00322-08 0025 General clinical research center - Circadian rhythm in neurologic disorders (human)
- MOIRR-00350-08 0106 General clinical research center - Catecholamines concentration in CSF and plasma in cerebral infarction (human)
- POGRR-00640-03 0002 Nutritionally defined gnotobiot development and use - Function and metabolism of germ free rodent (and dogs)
- MOIRR-00645-03 0006 Clinical research center - Malignant hypertension (human)
- MOIRR-00645-03 0013 Clinical research center - Catecholamine metabolism in subtypes of hypertension (human, dogs)
- MOIRR-00645-03 0053 Clinical research center - Effect of centrally-acting drugs on turnover rate of biogenic amines (human)
- MOIRR-00645-03 0066 Clinical research center - Catecholamine metabolism in parkinsonism (human)
- MOIRR-00722-02 0005 General Clinical Research Center - Mineralocorticoid metabolism in hypertension and catecholamine production (human)
- MOIRR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
- MOIRR-00847-01 0002 Clinical research centers - Altered catecholamine metabolism in recurrent intrahepatic jaundice (human)
- MOIRR-00847-01 0003 Clinical research centers - Catecholamines and renin metabolism in hypertensive patients on chronic dialysis

PHENYLALKYLAMINES, CATECHOLAMINES, DIMETHOXYPHENETHYLAMINE

SEE ALSO ALKALOIDS, PEYOTE

- POIGM-17806-05 0019 Nutritional factor effects on drug action - Amphetamine-like reactions possibly related to schizophrenic reaction
- POIMH-08618-10 0040 Biological studies of psychotic disorders - Possible role of DMPEA and NADMEPEA in brain function (rats)
- POIMH-08618-10 0042 Biological studies of psychotic disorders - Studies of N-acetylase (rats, human)
- POIMH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- ROINS-01396-17 Structure activity relationships to autonomic agents

PHENYLALKYLAMINES, CATECHOLAMINES, DOPAMINE

- RO3AA-00092-01 Aldehyde binding-Distribution and specificity (mammals nonhuman)
- RO1AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)
- RO1AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
- RO1AA-00296-03 Effects of alcohol on monoamine metabolism (rats)
- RO1AA-00975-01 A physico-chemical study of ethanol activity (mice)
- RO1AA-01416-01 Role of biogenic amines in the actions of alcohol (rats)
- RO1A-12148-01 Platelet function in asthma (human)
- RO1A-12236-01 Depamine excretion in differential diagnosis of asthma (human)
- RO1AM-01324-18 Hormones and intermediary metabolism (human, animals)
- RO1AM-04784-14 Control of secretion of hypothalamic hormones
- RO1AM-06164-12 Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats)
- RO1AM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
- RO1AM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- RO1AM-14348-05 A fine structural study of human gastric epithelia
- RO1AM-15347-04 False neurotransmitters and hepatic failure (humans, rabbits, rats)
- RO1AM-15902-03 Perfusion study of anterior pituitary function (rats)
- RO1DA-00037-06 Narcotic tolerance and physical dependence mechanisms (mice)
- RO1DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
- RO1DA-00319-01 ACh turnover-Role in morphine and amphetamine activity (rats)
- RO1DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
- PIOES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
- RO1ES-00814-05 Mode of action of insecticides (American cockroach, flies)
- RO1EY-00207-15 Physiology and pharmacology of aqueous humor flow (human)
- RO1EY-00313-07 Chemistry and physiological role of ocular enzymes (rabbits)
- RO1EY-01373-01 Retinal dopamine and ERG flicker suppression (cats)
- POIGM-10402-12 0018 Zoophysiology in Alaska - Brain amines (ground squirrels)
- RO1GM-10848-17 NMR spectroscopy of biologically important compounds (human)
- PI1GM-12675-10 0056 Biochemical toxicology and pharmacology - Effects of drugs on hypothalamic control of gonadotropin release
- PI1GM-14270-08 0026 Human drug metabolism and toxicology - Dopamine analogs (human)
- PI1GM-14270-08 0055 Human drug metabolism and toxicology - Renal physiology and pharmacology-L-Dopa and dopamine (animals)
- PI1GM-14270-08 0056 Human drug metabolism and toxicology - Renal physiology and pharmacology-Synthesis of dopamine
- PI1GM-15190-08 0001 Center for toxicological research and training - Toxicology of fluoride (human, rats)
- PI1GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monoamines (human)
- PO1GM-18674-03 0001 Diagnostic radiology research and training center - Renal perfusion and vascular reactivity in normal and hypertensive man
- PO1GM-19527-03 0004 Human genetics - Chronic alcoholism (human, rats)
- PI1GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
- RO1GM-21429-01 Renal pharmacology of dopamine and prostaglandins (dogs)
- RO1GM-21727-01 Renal pharmacology of dopamine and prostaglandins (dogs)
- RO1HD-02798-07 Primate uterine physiology (monkeys)
- PO1HD-04583-06 0019 Mental retardation research center - Organization of monoamine neuron systems (rats)
- PO1HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
- RO1HD-05860-03 Environment, genetics and pheromonal ovulation (mice)
- PO1HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
- PO1HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
- PO1HD-06276-03 0059 Mental retardation research program - Effects of false transmitters on behavior and brain chemistry (rats, rabbits)

- PO1HD-06276-03 0073 Mental retardation research program - Catecholamine neurochemistry
- RO1HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
- RO1HL-09711-10 Instantaneous blood flow in ascending aorta (human, dogs)
- PO1HL-10342-09 0020 Cardiovascular, pulmonary, and behavioral studies - Systemic circulation as a determinant of venous return and cardiac output (dogs)
- RO1HL-11391-07 Experimental basis for shock therapy (rats, human)
- RO1HL-11668-07 0008 Cineangiographic studies of the cardiovascular system - Renovascular response to vasoconstrictors and vasodilators in oliguric dog
- RO1HL-11668-07 0015 Cineangiographic studies of the cardiovascular system - Effect of vasodilators in renal disease and hypertension (human)
- RO1HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
- P17HL-14150-04 0006 Specialized center of research in hypertension - Behavioral modulation of cardiovascular functioning (monkeys)
- RO1HL-14588-03 Sympathetic nervous system in renal hypertension (rats)
- RO1HL-15011-02 Altered adrenergic function in essential hypertension (human, rats)
- RO1HL-15040-02 Shock in myocardial infarction (human)
- P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- PO1HL-15833-01 0008 Pharmacologic and physiologic basis of cardiac therapy - Drug metabolism in postoperative cardiac surgical patients
- PO1HL-15833-01 0009 Pharmacologic and physiologic basis of cardiac therapy - Metabolism of drugs and hemodynamic effects in myocardial infarction (human)
- RO1HL-16066-01 Studies on the chemoreceptor reflex (dogs)
- RO1HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- R23HL-17186-01 Catecholamines in neurogenic pulmonary edema (dog)
- NO1HV-22970-02 Ischemic myocardium and infarct size (animal)
- RO1MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
- RO1MH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
- RO1MH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
- PO1MH-08618-10 0004 Biological studies of psychotic disorders - Mechanism of action of mescaline (rats)
- PO1MH-08618-10 0039 Biological studies of psychotic disorders - Guaiacol-O-methyltransferase (GOMT) (rats, mice)
- PO1MH-08618-10 0040 Biological studies of psychotic disorders - Possible role of DMPEA and NADMEPEA in brain function (rats)
- PO1MH-08618-10 0045 Biological studies of psychotic disorders - Relationship between dopaminergic and serotonergic systems (rats, dogs)
- PO1MH-08618-10 0048 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
- RO1MH-11191-09 Brain amines and behavior (mice)
- RO1MH-11468-09 0023 Psychopharmacology research center - PCA and the synaptic uptake of catecholamine and 5HT (rats)
- RO1MH-11468-09 0024 Psychopharmacology research center - Role of adrenergic mechanisms in motor and cataleptic effects of morphine (rats)
- RO1MH-11468-09 0025 Psychopharmacology research center - Behavioral pharmacology of D- and l-amphetamine and methylphenidate in man
- RO1MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- RO1MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- PO1MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
- RO1MH-14092-07 Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle)
- RO1MH-14110-07 0009 Neural modulation and transmission - Effects of catecholamines-Related drugs (rabbits)
- RO1MH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)
- RO1MH-15413-06 0004 Psychopharmacology of biogenic amines in depression - Electroconvulsive shock (rats)
- RO1MH-15413-06 0008 Psychopharmacology of biogenic amines in depression - Clinical studies-Tricyclic antidepressants (human)
- RO1MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)
- RO1MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- RO1MH-16127-06 0010 Muscle enzyme release in the acute psychoses - Release of CPK from skeletal muscle by cold restraint (rats)

(contd)

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- RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- ** PO1MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues—Effect of cations (rats)
- ** PO1MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)
- PO1MH-16674-06 0006 A program of psychiatry-oriented biological research - Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates
- ** PO1MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum
- ** PO1MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum
- PO1MH-16674-06 0009 A program of psychiatry-oriented biological research - Release of neurotransmitters from synaptosomes (rats)
- PO1MH-16674-06 0011 A program of psychiatry-oriented biological research - Metabolism of serotonin in rats with impaired hepatic function
- ** PO1MH-16674-06 0020 A program of psychiatry-oriented biological research - Altered behavioral sensitivity to dopamine agonists (rats)
- ** PO1MH-16674-06 0024 A program of psychiatry-oriented biological research - Clomiphen stimulation test of dopamine system in schizophrenics
- ** PO1MH-16674-06 0026 A program of psychiatry-oriented biological research - Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys)
- ** PO1MH-16674-06 0027 A program of psychiatry-oriented biological research - Effect of phenothiazines on mesolimbic dopamine system (rats)
- ** PO1MH-16674-06 0028 A program of psychiatry-oriented biological research - Effects of phenothiazines on homovanillic acid in brain (rabbits)
- ** PO1MH-16674-06 0029 A program of psychiatry-oriented biological research - Alterations in primate social behavior following infusion of dopamine
- ** PO1MH-16674-06 0037 A program of psychiatry-oriented biological research - Dopamine stimulated adenylyl cyclase and cyclic AMP in caudate nucleus (rats)
- RO1MH-16841-06 0006 Effect of central nervous system lesions on drug action - Pain sensitivity and brain serotonin
- RO1MH-16841-06 0013 Effect of central nervous system lesions on drug action - Role of acetylcholine and catecholamines in regulation of water and food intake
- RO1MH-17387-05 Anti-psychotic drugs—Role of cyclic AMP (human, mice)
- RO1MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- RO1MH-18070-05 Experimental depression induced in infant monkeys
- RO1MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
- ** RO1MH-19438-04 0005 Neurochemistry of obesity and learned taste aversions - Fluoro-assay of norepinephrine, dopamine, serotonin in hypothalamus (rats, mice)
- ** RO1MH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism
- RO1MH-21042-03 Folic acid and behavior
- PO1MH-21586-02 Biogenetic studies of the affective disorders
- RO1MH-21892-02 Biochemical studies of depression in primate models
- RO1MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
- PO1MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
- PO1MH-23861-02 0007 Biogenic amines and behavior - Assay of biogenic amines in brain (rats)
- PO1MH-23861-02 0010 Biogenic amines and behavior - Relation of catecholamines to pituitary-adrenal function (rats, human)
- ** PO1MH-23861-02 0031 Biogenic amines and behavior - Relation of urinary amines to social processes (monkeys)
- RO1MH-24114-01 Chemistry of reward and related behaviors
- RO1MH-24604-01 Toxicity of psychotropic drugs on aminergic neurons
- RO1MH-24607-01 Monoamines and mental illness (primates)
- RO1MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
- RO3MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)
- RO3MH-25341-01 Effects of hypoxia on brain monoamines and behavior (rats)
- RO3MH-25361-01 Action of amphetamine on cells of the brain (snails)
- RO1MH-25505-01 Drugs, catechol amines and Krebs cycle interaction
- ** PO1MH-25515-01 0003 Collaborative biological research on schizophrenia - Release of dopamine and other putative neurotransmitters (rats)
- ** PO1MH-25515-01 0004 Collaborative biological research on schizophrenia - Regulation of the synthesis of dopamine (rats)
- ** PO1MH-25515-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
- PO1MH-25515-01 0006 Collaborative biological research on schizophrenia - Actions of neuroleptic drugs on synaptic membranes (rats)
- ** PO1MH-25515-01 0007 Collaborative biological research on schizophrenia - Studies of central serotonin-neurons with dihydroxyated tryptamines (rats, cats)
- PO1MH-25515-01 0008 Collaborative biological research on schizophrenia - Regional effects of phenothiazines on dopamine turnover (cats)
- PO1MH-25515-01 0009 Collaborative biological research on schizophrenia - Neurological effects of phenothiazines on the mesolimbic dopamine pathway (rats)
- ** PO1MH-25515-01 0016 Collaborative biological research on schizophrenia - Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys)
- PO1MH-25515-01 0017 Collaborative biological research on schizophrenia - Thermoregulation as a test of hypothalamic dopamine activity in schizophrenics
- ** RO1MH-25601-01 Brain dopamine-beta-hydroxylase regulation and behavior
- RO3MH-25880-01 Relation of basal ganglia to muscle bone (crocodilians)
- RO1NS-00690-20 Electron microscopy of the nervous system (rodents, carnivores, monkeys)
- RO1NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)
- PO1NS-04053-12 0008 Epilepsy - Microiontophoresis of putative transmitters on neurons in cortical slabs (cats)
- RO1NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
- RO1NS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
- RO1NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- ** RO1NS-06820-07 Pharmacology of synaptic transmission in brain (cats)
- RO1NS-07402-07 Physiological regulation of cell metabolism (bivalves)
- RO1NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- RO1NS-08440-06 Metabolic basis of neural function (animals)
- RO1NS-08740-08 Electrochemistry—EPR of biological electron transfer
- RO1NS-08884-05 Development of neuron interactions in maturing brain (cats, rats)
- RO1NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- RO1NS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
- PO1NS-09199-04 0006 Effect of L-dopa on synthesis of amines in brain (human, animals) - Amine synthesizing enzymes in rats with nigral lesions
- RO1NS-09350-04 Stereochemical studies of adrenergic drugs
- PO1NS-09649-04 0001 Research in parkinsonism - Anatomy of aminergic systems in brain (monkeys, rats, human)
- PO1NS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
- PO1NS-09649-04 0011 Research in parkinsonism - Functional interrelations of brain aminergic systems (rats, primates)
- PO1NS-09649-04 0012 Research in parkinsonism - Disease models (rats)
- RO1NS-09800-03 Regulation of ACTH—Role of neural inhibition (rats)
- RO1NS-09839-04 Stereochemical basis of anticonvulsant drug activity
- RO1NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- RO1NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- RO1NS-10326-02 Cytochemical investigations of adrenergic neurons (monkeys, rats)
- RO1NS-10391-01 Effects of L-dopa on brain serotonin (mice)
- ** RO1NS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
- ** RO1NS-10554-07 Catch and mechanism of action of serotonin and dopamine (mollusks)
- RO1NS-10618-02 Mechanisms of neurotransmitter release (rats)
- RO1NS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
- ** RO1NS-10777-02 Development of brain monoamines and seizures (mice, rats)
- ** RO1NS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
- RO1NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
- ** RO1NS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
- PO1NS-11131-01 0003 Extrapyramidal and related behavioral disorders - Inhibitors of protein synthesis and cerebral actions of levodopa (mice)
- ** PO1NS-11131-01 0005 Extrapyramidal and related behavioral disorders - Measurements of manganese, dopamine and dopa in brain (cats)
- ** PO1NS-11131-01 0006 Extrapyramidal and related behavioral disorders - Analysis of cat brain for manganese, dopa and dopamine
- PO1NS-11131-01 0007 Extrapyramidal and related behavioral disorders - Changes in manganese levels in mice
- PO1NS-11131-01 0017 Extrapyramidal and related behavioral disorders - Cerebrospinal fluid in treated parkinsonian patients
- PO1NS-11131-01 0019 Extrapyramidal and related behavioral disorders - Administration of gamma hydroxybutyric acid to patients with parkinsonism
- ** PO1NS-11131-01 0020 Extrapyramidal and related behavioral disorders - Administration of L-metatyrosine to patients with parkinsonism
- RO1NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- ** RO1NS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)
- ** RO1NS-11138-02 0006 Chemical mechanism in corpus striatum and behavior - Nigro-striatal dopamine modulation of behavior and arousal (rats)
- PO1NS-11631-01 0001 Clinical center for research on Parkinson's and allied diseases - Parkinson's disease brain bank studies (human)
- ** PO1NS-11631-01 0033 Clinical center for research on Parkinson's and allied diseases - Long term administration of L-Dopa (human)
- PO1NS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)
- PO1NS-11631-01 0040 Clinical center for research on Parkinson's and allied diseases - Pathology of Parkinson's disease (human, monkeys)
- ** PO1NS-11631-01 0050 Clinical center for research on Parkinson's and allied diseases - Analysis of effects of 6-OH dopamine into the mesencephalic tegmentum (cats)
- ** PO1NS-11631-01 0051 Clinical center for research on Parkinson's and allied diseases - Electrophysiological analysis and administration of L-dopa (monkeys)
- ** PO1NS-11631-01 0057 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine (mice, rats)
- ** PO1NS-11631-01 0061 Clinical center for research on Parkinson's and allied diseases - Dopa in cerebrospinal fluid in Parkinson's disease (human)
- ** PO1NS-11631-01 0062 Clinical center for research on Parkinson's and allied diseases - CSF amine acid levels in Parkinson's disease (human)
- ** PO1NS-11631-01 0063 Clinical center for research on Parkinson's and allied diseases - Acid metabolites of catecholamines (human)
- PO1NS-11631-01 0064 Clinical center for research on Parkinson's and allied diseases - Effects of drugs on catecholamines (chicken)
- PO1NS-11631-01 0065 Clinical center for research on Parkinson's and allied diseases - Development of antibodies to DOPA, dopamine, norepinephrine and serotonin (rabbit)
- PO1NS-11631-01 0067 Clinical center for research on Parkinson's and allied diseases - Proteins in the synaptosomes of the rat brain
- ** PO1NS-11631-01 0069 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine on amino acid metabolism in rat brain and spinal cord
- ** PO1NS-11631-01 0070 Clinical center for research on Parkinson's and allied diseases - L-dopa after treatment with pargiline (rats)
- PO1NS-11642-01 0011 Basic and clinical neuroendocrinology - Monoamine distribution and neuroendocrine function (animals)
- RO1NS-12051-01 Transport of levodopa derivatives (cats)
- MO1RR-00039-14 0059 General clinical research center - EU-29 (human)
- ** MO1RR-00039-14 0095 General clinical research center - Evaluation of dopamine in hypertension (human)
- MO1RR-00043-14 0080 General clinical research center - Factors regulating release of TSH by pituitary gland (human)
- MO1RR-00047-14 0004 General clinical research center - Treatment of Gilles de la Tourette syndrome (human)
- ** MO1RR-00060-13 0030 General clinical research center - Combined L-dopa and alpha methyl-dopa or alpha methylphenylhydrazine (human)
- MO1RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)
- MO1RR-00080-12 0088 General clinical research center - Monoamines metabolism in juvenile Huntington's disease (human)
- MO1RR-00334-08 0027 General clinical research center - Renal hemodynamics in cirrhosis of the liver (human)

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MOIRR-00645-03 0013 Clinical research center - Catecholamine metabolism in subtypes of hypertension (human, dogs)
- MOIRR-00645-03 0035 Clinical research center - Prolactin (human)
- MOIRR-00645-03 0036 Clinical research center - Posterior pituitary hormones (human)
- MOIRR-00645-03 0066 Clinical research center - Catecholamine metabolism in parkinsonism (human)
- MOIRR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
- MOIRR-00865-01 0033 General clinical research center - Neuroendocrine control mechanisms in Huntington's disease (human)
- PHENYLALKYLAMINES, CATECHOLAMINES, DOPAMINE ALPHA-METHYL-**
- POIHD-06276-03 0073 Mental retardation research program - Catecholamine neurochemistry
- POIHL-06308-14 0026 Mechanisms and therapy of circulatory disease - Clinical myocardial pharmacology
- ROIHL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- ROIHM-20500-02 Extrapyramidal dyskinesias and brain amine metabolism
- ROIHS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- ROIHS-11631-01 0002 Clinical center for research on Parkinson's and allied diseases - Experimental neuropathology studies (human, animals)
- PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE**
- SEE ALSO BENZOPYRROLES, ADRENOCHROME
- ** ROIAA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
- ROIAA-00296-03 Effects of alcohol on monoamine metabolism (rats)
- ROIAI-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)
- ROIAI-04646-13 Antibody response to defined antigenic determinants (human, rodents, rabbits)
- ROIAI-08106-06 Autonomic function in asthma (human, rats, mice)
- P15AI-10404-04 Allergic disease center (children)
- P15AI-10405-04 Asthma clinical center (human, rats, rabbits)
- ROIAI-12148-01 Platelet function in asthma (human)
- ** ROIAM-02001-17 Factors that modify insulin action (rats)
- ROIAM-03524-15 Role of vitamin B6 in metabolism (mice)
- ROIAM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
- ROIAM-05077-13 Renal tubular reabsorption of sodium and water (dogs)
- ROIAM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
- ROIAM-07215-10 Hormonal regulation of hepatic glucose production (rats)
- ROIAM-07462-11 0051 Hormonal regulation of metabolism - Phosphorylation of histones and the acidic nuclear proteins in fat cells
- ROIAM-10188-09 Hormonal regulation of metabolism (dogs)
- ROIAM-10334-09 Control processes in mammalian cells (rats, cattle, human)
- ** ROIAM-10451-09 Enzyme secretion and its metabolic control (rats)
- ROIAM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- ROIAM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- ROIAM-13129-07 Pituitary adipokinetic substances (mammals, human)
- ROIAM-13321-06 Metabolic and morphologic studies of obesity (human, rats)
- ** ROIAM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
- ROIAM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
- ROIAM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- ROIAM-15235-04 Mechanism of action of insulin (rats)
- ROIAM-15466-02 Role of microtubules and calcium in FFA mobilization (rats)
- ROIAM-15555-03 Erythropoietin and the regulation of erythropoiesis (human, mice)
- ROIAM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
- ROIAM-15740-03 Cell division control in normal and psoriatic skin
- ROIAM-15919-02 Starvation and regulation of protein degradation (rats)
- ROIAM-15986-03 0005 Cirrhosis, ascites and the hepatic circulation - Gastric back diffusion (dogs, frogs)
- ROIAM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
- ROIAM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- ROIAM-16342-01 Pituitary and adrenals in glucagon release and activity (rats, dogs)
- ROIAM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
- POIAM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
- P17AM-17026-01 0020 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of nuclear protein phosphorylation in isolated fat cells
- P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
- P17AM-17026-01 0046 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of glucose entry into cells
- ROIAM-17082-01 Neural regulation of insulin secretion rate (dogs)
- ROIAM-17179-01 Cyclic AMP in psoriasis
- ROIAM-17403-01 Control metabolism of glucose metabolism in fat cells (rodents, rabbits, human)
- ROIAM-17438-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)
- ROIAM-17496-01 Role of hormones in stress
- P17AM-17624-01 0004 Obesity center - Control of lipolysis in obesity (human)
- P02CA-05834-13 0054 Cancer clinical research center - Improving granulocyte collection techniques (human)
- ** POICA-07368-11 0009 Interrelationships of normal and cancer cells - Effect of exogenous catecholamines in amygdala (cats, monkeys)
- P02CA-08341-09 0047 Clinical pharmacology and cancer chemotherapy - Multiple endocrine neoplasia-family study
- POICA-11491-05 0003 Irradiation and tissue-localization response - Pharmacological approach to anticarcinogen study (human, mammals nonhuman)
- ROICA-11766-04 Ion transport and metabolic regulation in neoplasms (rats)
- ROICA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
- P02CA-13696-02 0045 Clinical cancer research center - Arterial perfusion with vasoconstrictors in radiotherapy (human, dogs)
- ROICA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
- ROIIDA-00351-02 Mechanisms of narcotic tolerance and dependence (guinea pigs, rats, dogs, mice)
- ROIDE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)
- ROIDE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
- P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
- ROIIEY-00056-05 Pathogenesis of altered ocular vascular permeability (rabbits)
- ROIIEY-00207-15 Physiology and pharmacology of aqueous humor flow (human)
- ROIIEY-00231-10 Comparative study of glaucoma (human, monkeys)
- ROIIEY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
- ROIIEY-00313-07 Chemistry and physiological role of ocular enzymes (rabbits)
- ** POIEY-00336-08 0014 CLINICAL STUDENT OF GLAUCOMA - Dose-response to topical epinephrine (human)
- ** POIEY-00336-08 0015 CLINICAL STUDENT OF GLAUCOMA - Unilateral epinephrine (human)
- POIEY-00336-08 0021 CLINICAL STUDENT OF GLAUCOMA - Tyrosine hydroxylase (rabbits)
- P1SEY-00338-09 0001 A study of macular disease - Cystoid macular edema after cataract extraction (human)
- POIEY-00396-07 0012 Basic ophthalmic research program - Electron microscopy of eye (animals)
- ROIIEY-00475-08 Studies on the nutrition of the eye (primates)
- ROIIEY-00476-08 Regulation of the intraocular pressure (human, monkeys)
- ROIIEY-00933-02 Pathogenesis of corneal edema after cataract surgery (human, monkeys, rabbits)
- ROIIEY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- ROIIEY-01297-01 Physiology and pharmacology of extraocular muscles
- ROIIEY-01340-01 Corneal electrophysiology (frogs, rabbits)
- POIEGM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
- ** POIEGM-10402-12 0018 Zoophysiology in Alaska - Brain amines (ground squirrels)
- POIEGM-10402-12 0025 Zoophysiology in Alaska - Sympathoadrenal responses in seasonal acclimatization to cold
- POIEGM-10402-12 0030 Zoophysiology in Alaska - Excretion of catecholamines during 14 daily 12-hour walks
- ** POIEGM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)
- P11GM-15559-07 0035 Clinical pharmacology - Drugs and release of pancreatic hormones in women
- POIEGM-15571-06 0070 Anesthesia research-Program project - Interaction of anesthetics with drugs that alter CNS monoamines (human, dogs)
- P11GM-15956-07 0029 Factors affecting the responses to drugs - Blood pressure response to norepinephrine in patients with malignancy (also rats)
- POIEGM-15991-06 0093 Anesthesia research center - Disposition of local anesthetics-Relationship to pathophysiological status
- POIEGM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
- POIEGM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- POIEGM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
- ROIIGM-19930-03 Clinical and experimental shock (human, dogs, rats)
- ROIIGM-20412-02 Biochemistry of inherited variations in drug response (mice)
- ROIHD-00378-17 Bioelectric properties of uterine smooth muscle (rats, cats, frogs)
- ROIHD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
- ROIHD-03326-07 0002 Effects of early nutrition on growth and development - Genetic studies (human)
- ROIHD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
- ROIHD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- POIHD-05221-05 0027 Center grant in mental retardation - Neurophysiology
- ** ROIHD-05914-02 Blastocyst expansion (rabbits)
- ** ROIHD-06380-03 Biogenic amines in ovulation and implantation (rats)
- ROIHD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
- ROIHD-06475-01 0004 Carbohydrate and lipid metabolism during development - Unique aspects of triglyceride synthesis in brown fat (rats)
- ROIHD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- ROIHD-07722-01 Neural regulation of prolactin secretion in the rat
- ROIHD-07799-01 Effect of age on adipose tissue lipolysis (goose)
- NOIHD-32729-01 Structure, function and development of oviduct cilia (human)
- ROIHL-01813-20 Regulation of metabolism by drugs and hormones (rats)
- ROIHL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
- ROIHL-03275-16 Applied hemodynamics in cardiovascular radiology (human)
- ROIHL-04372-14 Lipolytic enzymes in plasma and tissues (rats, sheep)
- POIHL-06336-14 0025 Cardiovascular program project - Acute myocardial infarction (human)
- POIHL-06336-14 0026 Cardiovascular program project - Coagulation studies in acute myocardial infarction (human)
- ** ROIHL-06943-12 Vascular permeability (infants)
- POIHL-08195-12 0011 Circulatory physiology - Effect of hormones on the phosphorylation of nuclear histones (human, rats)
- ROIHL-09070-10 Subcellular platelet particles (human)
- ROIHL-10626-06 Adrenergic responses of the splanchnic circulation (dogs)
- ROIHL-10641-08 Role of platelet lipids in arterial thrombosis (human)
- POIHL-11414-07 0002 Thrombosis and atherosclerosis program - Metabolism of lipids by human platelets
- POIHL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- ROIHL-12426-06 Voltage clamp of cardiac muscle (frogs)
- ROIHL-12827-05 Regulation of sodium excretion (dogs, rats)
- ** ROIHL-13306-04 Electrophysiology of heart muscle (cattle)
- ROIHL-13322-05 Microscopy of living nephron (hamsters)
- ROIHL-13349-05 Analysis of activation process in heart muscle (guinea pigs, rabbits, human)
- ROIHL-13625-05 Radiolabel study of regional myocardial blood flow (dogs, human)
- ROIHL-13870-04 Control of myocardial sarcotubular calcium stores (dogs)
- ROIHL-14053-03 Cardiovascular determinants of catecholamine release (dogs)
- ROIHL-14117-03 Mechanism of heart failure (Syrian hamsters)
- ** P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
- P17HL-14182-04 0024 A special center of research in thrombosis - Prothrombin and epinephrine as hypercoagulability indicator
- P17HL-14214-04 0019 Neonatal lung center - Cyclic AMP as mediator of ACTH response (lambs)
- P17HL-14217-04 0011 Specialized center of research in thrombosis - Radioactive serotonin uptake to cold serotonin in platelets
- ** P17HL-14217-04 0012 Specialized center of research in thrombosis - Behavior of adenosine nucleotides during platelet release reaction

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-14217-04 0014 Specialized center of research in thrombosis 2 The mechanism of platelet aggregation
- P17HL-14217-04 0015 Specialized center of research in thrombosis - Pharmacological studies on platelet and vascular smooth muscle
- P17HL-14217-04 0042 Specialized center of research in thrombosis - Interaction of cells with polymerizing fibrin (human, rabbits, swine)
- R01HL-14315-03 Adrenergic cardiovascular effects--Role of potassium
- R01HL-14346-03 Platelet contractility and clot retraction (human)
- R01HL-14350-02 Venous flow velocity, venous volume, and blood flow (human)
- R01HL-14548-16 Control of activity in cardiac and smooth muscle (frogs)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- P01HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
- R01HL-14982-02 Mechanism of renin release and angiotensin metabolism (human, dogs)
- P17HL-15063-03 0011 SCOR diffuse infiltrate in lung disease - Non-respiratory functions of the lung in health and disease (human)
- P17HL-15063-03 0012 SCOR diffuse infiltrate in lung disease - Autonomic regulation of the tracheobronchial tree (human)
- R01HL-15228-02 Factors influencing sickling phenomenon (human, rats)
- R01HL-15313-02 Cyclic AMP metabolism in leukocytes from asthmatics
- R01HL-15496-01 Cardiac dynamics in experimental cardiogenic shock (dogs)
- ** R01HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
- R01HL-16037-01 Molecular properties of cardiac adrenergic receptors
- R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- R01HL-16535-01 Estimation of portal blood flow (human, dogs)
- R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
- R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
- R23HL-17186-01 Catecholamines in neurogenic pulmonary edema (dog)
- R01HL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)
- ** R01MH-04618-12 Psychotherapy of psychiatric outpatients
- R01MH-11299-10 Emotion and pulmonary function in asthma (human)
- P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
- R01MH-16127-06 0003 Muscle enzyme release in the acute psychoses - Additional non-specific factors
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- R01MH-16127-06 0008 Muscle enzyme release in the acute psychoses - Failure of phencyclidine to enhance PCPK levels following stress (rats)
- R01MH-16127-06 0009 Muscle enzyme release in the acute psychoses - Effect of psychometric drugs, and opinephrine in PCPK levels (rats)
- R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- R01MH-21144-03 Treatment of asthma through conditioning
- P01MH-21586-02 Biogenetic studies of the affective disorders
- ** P01MH-23861-02 0031 Biogenic amines and behavior - Relation of urinary amines to social processes (monkeys)
- R03MH-25093-01 Effects of reserpine on maturing adrenal medulla (rats)
- R01MH-25295-01 Sympathetic and adrenocortical lability and illness (human)
- R03MH-25384-01 Hormonal influences on time-dependent memory processes (rats)
- R01MH-25504-01 Neuroleptics and antidepressants on central MAO neurons
- P01NS-06663-08 0003 Cerebrovascular clinical research center - Experimental platelet thrombi formation and prevention (rats, cats, monkeys)
- R01NS-06672-09 Studies on single neuron activity (degs, amphibians, cats, rabbits)
- P01NS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)
- R01NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- R01NS-10704-01 Investigation of the pharmacology of Raphe neurons (rats)
- R01NS-10918-01 Inhibition of catechol-O-methyltransferase
- P01NS-10981-02 0011 Control of activity in excitable tissues - Metabolic pathways in resting frog sartorius muscles
- P01NS-10981-02 0014 Control of activity in excitable tissues - Sodium influx in sartorius muscles at rest and during activity
- M01RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- M01RR-00032-14 0064 General clinical research center - Dynamics of secretion of glucoregulatory hormones (human)
- M01RR-00035-14 0126 General clinical research centers - Assay for catecholamines (human)
- M01RR-00043-14 0080 General clinical research center - Factors regulating release of TSH by pituitary gland (human)
- M01RR-00052-13 0030 General clinical research center for children - Endocrinology--Growth hormone
- ** M01RR-00055-13 0027 General clinical research center - Growth hormone enhancement of epinephrine induced lipolysis (human)
- M01RR-00080-12 0071 General clinical research center - Evaluation of beta-adrenergic theory of bronchial asthma (human)
- M01RR-00084-12 0017 General clinical research center--children - Hormonal and metabolic aspects of allergic disease
- M01RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)
- ** M01RR-00229-09 0041 General clinical research center - Mechanism of action of epinephrine on sodium excretion (human)
- M01RR-00240-10 0107 General clinical research center--Children - Relationship adrenal cortical dysfunction, epinephrine release and hypoglycemia
- M01RR-00284-08 0030 General clinical research center--pediatric - Affective disorders of childhood
- M01RR-00287-08 0004 General clinical research center - Adrenergic receptor sites in regulation of fat mobilization (human)
- M01RR-00287-08 0006 General clinical research center - Variation of amines in nocturnal migraine (human)
- M01RR-00645-03 0013 Clinical research center - Catecholamine metabolism in subtypes of hypertension (human, dogs)
- M01RR-00645-03 0035 Clinical research center - Prolactin (human)
- M01RR-00645-03 0036 Clinical research center - Posterior pituitary hormones (human)
- M01RR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
- M01RR-00865-01 0009 General clinical research center - Effect of aromatic monamines on serum thyroglobulin (human)
- ** M01RR-00865-01 0032 General clinical research center - Protection of kidney during radiation therapy for abdominal neoplasms (human)
- PHENYLALKYLAMINES, CATECHOLAMINES, L-HYDROXYDOPAMINE**
- R01AM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
- P01HD-06267-03 0001 Role of biological membranes in aging processes - Changes in cardiac membrane properties (rats)
- P01HD-06276-03 0073 Mental retardation research program - Catecholamine neurochemistry
- P17HL-14150-04 0009 Specialized center of research in hypertension - Pharmacological studies of behavior and cardiovascular function (monkeys)
- R01HL-15426-01 Cardiac monoamine oxidase (rats, human, guinea pigs)
- R10MH-11468-09 0022 Psychopharmacology research center - Stored vs newly synthesized catecholamines in amphetamine CNS stimulation (rats)
- R10MH-11468-09 0026 Psychopharmacology research center - Push-pull cannula studies of the release of serotonin
- R01MH-24593-01 Neurohumoral determinants of sensitivity to LSD
- R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL**
- R01A-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)
- P15A-10386-04 Investigations in bronchial asthma (human)
- P15A-10391-03 Allergy disease center--Rhinitis investigations (human, guinea pigs)
- P15A-10405-04 Asthma clinical center (human, rats, rabbits)
- P15A-12029-01 0002 Allergic diseases center grant--Mechanisms in asthma - Comparison of bronchial sensitivity to mediators (human, rodents)
- R01AM-03361-15 Organ survival under experimental conditions (dogs)
- R01AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
- R01AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- R01AM-12905-06 Gastric antral and fundic blood flow and secretion (dogs, rabbits)
- R01AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
- R01AM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
- R01AM-16551-03 Drug and hormone effects on carbohydrate metabolism (rats)
- P17AM-17046-01 0006 Diabetes endocrinology center - CNS effects on insulin and glucagon secretion (human)
- R01AM-17125-01 The secretion of pepsin (dogs)
- R01AM-17179-01 Cyclic AMP in psoriasis
- ** R01CA-08373-09 Factors controlling cellular proliferation (mice)
- P02CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
- R01CA-11155-06 Salivary gland hyperplasia and hypertrophy
- P01CA-12227-04 0001 Core program in carcinogenesis - Biochemical manifestations of aging (rats)
- P01CA-12227-04 0003 Core program in carcinogenesis - Cellular proliferation in mammalian cells
- P01CA-12227-04 0013 Core program in carcinogenesis - Synthesis of carcinogenic compounds
- R01CA-17038-01 Postnatal determination of the submandibular gland (rats)
- ** R01DE-02678-07 Isoproterenol-stimulated salivary gland (mice)
- R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
- R01DE-03666-01 Parotid gland secretion following X-irradiation (human)
- R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
- R01EY-00475-08 Studies on the nutrition of the eye (primates)
- R01EY-00476-08 Regulation of the intraocular pressure (human, monkeys)
- R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- P01GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
- P11GM-15431-08 0009 Research center for clinical pharmacology and drug toxicology - Conversion of ethyl arachidonate to prostaglandins in man
- P11GM-15431-08 0043 Research center for clinical pharmacology and drug toxicology - The influence of hepatic blood flow on drug disposition (rats, monkeys, human)
- P01GM-16496-06 0001 Clinical pharmacology--Pharmacokinetics - Pharmacology, pharmacokinetics and metabolism of lidocaine (primates)
- P01GM-16496-06 0028 Clinical pharmacology--Pharmacokinetics - Physical interaction of agonists with leukocyte receptors
- P01GM-16496-06 0040 Clinical pharmacology--Pharmacokinetics - Animal research in drug toxicity (dogs)
- P01GM-17366-04 0001 Biochemical and physiologic response to trauma - Endocrine aspects of shock and trauma (human, monkeys)
- P01GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
- P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
- R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
- P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
- R01GM-20412-02 Biochemistry of inherited variations in drug response (mice)
- P11GM-20852-01 0004 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of theophylline and isoproterenol (human)
- R01HD-00378-17 Bioelectric properties of uterine smooth muscle (rats, cats, frogs)
- P01HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
- P01HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
- R01HD-06963-09 Properties of smooth muscle (rats)
- R01HD-07693-01 Hormonal interactions in uterus (cattle)
- ** R01HL-00890-22 Therapy of experimental myocardial necrosis
- R01HL-01015-23 Hypertension and left ventricular hypertrophy (dogs)
- R01HL-02001-20 Cardiopulmonary physiology (human, dogs)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-04639-15 Vascular reactivity in surgical care (dogs)
- R01HL-05806-14 Analysis of antiarrhythmic agents (dogs, rabbits)
- P01HL-06285-14 0158 Cardiovascular-respiratory physiology and biochemistry - Myocardial contractility (dogs)
- ** P01HL-06312-13 0037 Surgical cardiology - Isoproterenol tachyphylaxis (dogs)
- P01HL-06336-14 0007 Cardiovascular program project - Abnormalities of myocardial contractility in coronary heart disease (human)
- P01HL-06336-14 0025 Cardiovascular program project - Acute myocardial infarction (human)
- ** P01HL-06336-14 0036 Cardiovascular program project - Isoproterenol and ventricular function in coronary artery disease (human)
- ** R01HL-06943-12 Vascular permeability (rodents)
- R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- R01HL-09711-10 Instantaneous blood flow in ascending aorta (human, dogs)
- ** P01HL-09814-09 0038 Research program - Cardiovascular and related disease - Isuprel inhalation on lung function, respiration and smoking (human)
- R01HL-10009-09 Pulmonary blood flow distribution in man
- P01HL-10342-09 0019 Cardiovascular, pulmonary, and behavioral studies - Cerebral circulation (dogs)
- ** P01HL-10539-09 0018 Pathophysiology of circulation - Experimental isoproterenol necrosis (hamsters, rabbits)
- P01HL-10539-09 0037 Pathophysiology of circulation - Electro-mechanical activity of isolated heart muscle (rats, guinea pigs)
- P01HL-10539-09 0042 Pathophysiology of circulation - Tolerance of isolated cardiac muscle to hypoxia
- ** P01HL-10539-09 0043 Pathophysiology of circulation - Sustained inotropism during hypoxia
- R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- P01HL-12373-06 0003 Cardiopulmonary physiology and pathophysiology - Myocardial function in man
- R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- ** P01HL-13108-05 0019 Clinical heart transplantation - Isoproterenol and cardiac output in the denervated transplanted heart (human)
- P01HL-13108-05 0023 Clinical heart transplantation - His bundle studies in the human transplanted heart
- P01HL-13108-05 0024 Clinical heart transplantation - Catecholamine hypersensitivity in the longterm transplant survivor (human)
- R01HL-13222-05 Connective tissue in myocardial infarction (rats)
- P01HL-13517-04 0008 Circulatory performance and prediction - Relationship of venous return to circulatory performance (dogs)
- R01HL-13625-05 Radionuclide study of regional myocardial blood flow (dogs, human)
- P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
- R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
- ** P17HL-14153-04 0008 Johns Hopkins Lung Center - Effects of isoproterenol on leukocytes and lymphocytes of asthmatic patients
- P17HL-14169-04 0001 Pulmonary disease center - Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human)
- P17HL-14179-04 0008 Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
- P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
- R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
- R01HL-14350-02 Venous flow velocity, venous volume, and blood flow (human)
- R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- P01HL-14780-02 0003 Mechanisms and treatment of cardiovascular diseases - Control of peripheral circulation - Function of venous systems (human)
- P01HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dyssynergy (human)
- R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- R01HL-15040-02 Shock in myocardial infarction (human)
- R01HL-15390-08 Regulation of blood flow in the microcirculation
- R01HL-15467-02 Normal and abnormal regulation of sodium excretion (dogs)
- R01HL-15496-01 Cardiac dynamics in experimental cardiogenic shock
- R01HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
- R01HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
- R01HL-16956-01 Structure-function pathology of isolated heart cells (mice, rats)
- R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
- ** R23HL-17136-01 Isoproterenol binding to lymphocytes of asthmatics
- P01MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
- R01MH-21144-03 Treatment of asthma through conditioning
- R03MH-22532-01 Voluntary control of respiratory resistance (human)
- R03MH-25399-01 Operant conditioning of cardiac contractility in man
- ** P01NS-06663-08 0014 Cerebrovascular clinical research center - Postoperative treatment of subarachnoid hemorrhage and cerebral vasospasm
- P01NS-06663-08 0019 Cerebrovascular clinical research center - Drug effects on cerebral blood flow (cats)
- R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- M01RR-00031-14 0037 General clinical research center - Hemodynamics and endocrine patterns in hypertension (human)
- M01RR-00032-14 0064 General clinical research center - Dynamics of secretion of glucocorticoid hormones (human)
- ** M01RR-00051-13 0136 General clinical research center - Action of isoproterenol in asthma (human)
- ** M01RR-00056-13 0063 General Clinical Research Center - Isoproterenol in induced renin release (human)
- ** M01RR-00059-13 0069 General clinical research center - Correlation of beta blockade with serum prolactin (human)
- M01RR-00095-14 0059 General clinical research center - Inotropic effect of oral hypoglycemic agents (human)
- M01RR-00645-03 0057 Clinical research center - Effects of terbutaline in chronic obstructive lung disease (human)
- M01RR-00865-01 0009 General clinical research center - Effect of aromatic monamines on serum thyroglobulin (human)
- PHENYLALKYLAMINES, CATECHOLAMINES, METANEPHRINE**
- R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
- R01HL-13607-04 Role of catecholamines in hypertension (human)
- ** P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
- PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE**
- R03AA-00092-01 Aldehyde binding-Distribution and specificity (mammals nonhuman)
- R01AA-00188-03 Ethanol-induced changes in brain mitochondria (rats)
- R12AA-00209-07 0007 Washington University Alcoholism Research Center - Effects of alcohol and the biogenic amines on voluntary alcohol intake (rats)
- R01AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)
- R01AA-00252-05 Alcohol and brain macromolecules (mice, rats)
- ** R01AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
- R01AA-00296-03 Effects of alcohol on monoamine metabolism (rats)
- R01AA-00975-01 A physico-chemical study of ethanol activity (mice)
- R01AA-01416-01 Role of biogenic amines in the actions of alcohol (rats)
- R01AI-03515-15 Comparative biochemistry of parasitic helminths (mice)
- R01AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
- P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
- ** P01AM-06704-12 0005 Neural and humoral control of endocrine function - Pituitary-adrenal response to stress in protein deprived animals
- R01AM-10844-08 Micropuncture study of renal tubular function (human, dogs, baboons)
- R01AM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- ** R01AM-11242-08 Regulation of lower esophageal sphincter (opossum)
- R01AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- R01AM-14563-04 Vagal release of gastrin (cats, rhesus monkeys)
- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- R01AM-15347-04 False neurotransmitters and hepatic failure (humans, rabbits, rats)
- R01AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
- R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
- R01AM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
- P01AM-16716-01 0011 Pathophysiological bases of muscle diseases - Moeshering thermogenesis in normal and dystrophic hamsters
- R01AM-17125-01 The secretion of pepsin (dogs)
- R01AM-17212-01 Life cycle of adrenal medulla chromaffin granules
- R01AM-17336-01 Mechanism of heat production during cold adaptation (mice)
- R01AM-17660-01 Adipocyte metabolism as related to cell size (rats)
- ** P01CA-07369-11 0009 Interrelationships of normal and cancer cells - Effect of exogenous catecholamines in amygdala (cats, monkeys)
- P02CA-08341-09 0047 Clinical pharmacology and cancer chemotherapy - Multiple endocrine neoplasia-family study
- P02CA-12197-03 0012 Multidisciplinary oncology research center - Evaluate drug effects on adrenergic neuron in human platelets
- R01DA-00007-04 Hallucinogenic and narcotic drug immune systems
- R01DA-00037-06 Narcotic tolerance and physical dependence mechanisms (mice)
- P01DA-00257-03 0003 Center for behavioral studies in addictions - Biogenic amines and relationship to addiction process and treatment (human, rats)
- R01DA-00564-02 Morphine analgesia and addiction - Neurochemical correlates (mice, rats)
- R01DE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)
- P10ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
- R01ES-00814-05 Mode of action of insecticides (American cockroach, flies)
- R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
- P01EY-00336-08 0021 CLINICAL STUDENT OF GLAUCOMA - Tyrosine hydroxylase (rabbits)
- R01EY-00476-08 Regulation of the intraocular pressure (human, monkeys)
- R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- R01GM-03545-20 Metabolism and active ion transport in frog skin
- P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
- P01GM-09069-12 0088 Research in anesthesiology - Methoxyphenidate and metabolism of thiopental (dogs)
- P01GM-09069-12 0123 Research in anesthesiology - Central nervous system toxicity of hyperbaric oxygen
- ** P01GM-10402-12 0018 Zoophysiology in Alaska - Brain amines (ground squirrels)
- P01GM-10402-12 0025 Zoophysiology in Alaska - Sympathoadrenal responses in seasonal acclimatization to cold
- P01GM-10402-12 0030 Zoophysiology in Alaska - Excretion of catecholamines during 14 daily 12-hour walks
- R01GM-10848-17 NMR spectroscopy of biologically important compounds (human)
- P11GM-15190-08 0001 Center for toxicological research and training - Toxicology of fluoride (human, rats)
- P11GM-15431-08 0002 Research center for clinical pharmacology and drug toxicology - Drugs that antagonize guanethidine (human, cats)
- P11GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monoamines (human)
- P11GM-15431-08 0051 Research center for clinical pharmacology and drug toxicology - Guanidinium adrenergic neuron blockers (human, cats)
- P11GM-15477-08 0110 Drug metabolism and biochemical pharmacology - Brain catecholamines, diethylthiocarbamate and dopa (rats)
- R01GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- P01GM-15571-06 0070 Anesthesia research-Program project - Interaction of anesthetics with drugs that alter CNS monoamines (human, dogs)
- ** P11GM-15956-07 0029 Factors affecting the responses to drugs - Blood pressure response to norepinephrine in patients with malignancy (also rats)
- P01GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
- P01GM-16496-06 0001 Clinical pharmacology - Pharmacokinetics - Pharmacology, pharmacokinetics and metabolism of lidocaine (primates)
- P01GM-16496-06 0028 Clinical pharmacology - Pharmacokinetics - Physical interaction of agonists with leucocyte receptors
- ** P01GM-17806-05 0006 Nutritional factor effects on drug action - Altered norepinephrine metabolism (mice)
- P01GM-18674-03 0001 Diagnostic radiology research and training center - Renal perfusion and vascular reactivity in normal and hypertensive man
- P01GM-18674-03 0011 Diagnostic radiology research and training center - Responsiveness of normal and neoplastic vessels in liver (rabbits)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

‡ Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01GM-19443-03 0024 Problems in clinical genetics - Catecholamines in essential hypertension (human)
- P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
- ** R01GM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norepinephrine synthesis and neurally mediated release (rats, guinea pigs)
- R01HD-00378-17 Bioelectric properties of uterine smooth muscle (rats, cats, frogs)
- R01HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
- P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
- ** P01HD-04583-06 0019 Mental retardation research center - Organization of monoamine neuron systems (rats)
- P01HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
- P01HD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)
- P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
- R01HD-05860-03 Environment, genetics and pheromonal ovulation (mice)
- P01HD-06267-03 0004 Role of biological membranes in aging processes - Function of the neural cell membrane (rats)
- P01HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
- P01HD-06276-03 0059 Mental retardation research program - Effects of false transmitters on behavior and brain chemistry (rats, rabbits)
- P01HD-06276-03 0060 Mental retardation research program - Tyrosine hydroxylase activity and NE synthesis in reserpine treatment (rats)
- ** P01HD-06276-03 0076 Mental retardation research program - Release of norepinephrine from cat brain in vivo, with infusion of potassium
- P01HD-06364-03 0001 Maternal protein restriction and mental retardation - Biogenic amines (rats)
- ** R01HD-06380-03 Biogenic amines in ovulation and implantation (rats)
- R01HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
- R01HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
- R01HD-07722-01 Neural regulation of prolactin secretion in the rat
- R01HL-01015-23 Hypertension and left ventricular hypertrophy (dogs)
- R01HL-02008-20 Pathogenesis of arterial hypertension (rats, rabbits)
- R01HL-03429-15 Central nervous system and coronary heart disease (human)
- R01HL-03756-17 Vascular changes in hypertension (swine)
- R01HL-04639-15 Vascular reactivity in surgical care (dogs)
- P01HL-06285-14 0148 Cardiovascular-respiratory physiology and biochemistry - Prognosis and treatment of hypertension (human)
- P01HL-06285-14 0160 Cardiovascular-respiratory physiology and biochemistry - Hepatic blood flow in cardiogenic shock (human)
- ** P01HL-06285-14 0183 Cardiovascular-respiratory physiology and biochemistry - Neural control of norepinephrine secretion by the adrenal medulla (dogs)
- P01HL-06336-14 0025 Cardiovascular program project - Acute myocardial infarction (human)
- P01HL-06835-13 0002 Cardiovascular disease - Renin-angiotensin system (human, mammals)
- ** R01HL-06943-12 Vascular permeability (rodents)
- P01HL-07762-12 0002 Cardiovascular control by neural and chemical systems - Arterial mechanical properties (dogs)
- R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- P01HL-08195-12 0025 Circulatory physiology - Control of cyclic nucleotide levels in rat ductus deferens
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- R01HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
- R01HL-09567-09 Biophysical mechanisms of cardiac membrane responses (guinea pigs)
- R01HL-09711-10 Instantaneous blood flow in ascending aorta (human, dogs)
- P01HL-10342-09 0004 Cardiovascular, pulmonary, and behavioral studies - Hypothalamus in behavior and physiology of hypoxic and CO hypoxia (rats)
- P01HL-10342-09 0019 Cardiovascular, pulmonary, and behavioral studies - Cerebral circulation (dogs)
- P01HL-10342-09 0020 Cardiovascular, pulmonary, and behavioral studies - Systemic circulation as a determinant of venous return and cardiac output (dogs)
- R01HL-10626-06 Adrenergic responses of the splanchnic circulation (dogs)
- R01HL-10842-06 Antihypertensive agents-Pharmacology (humans, animals)
- R01HL-10869-08 Response of the denervated heart to drugs (rats, dogs)
- R01HL-11668-07 0008 Cineangiographic studies of the cardiovascular system - Renovascular response to vasoconstrictors and vasodilators in oliguric dog
- P01HL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
- R01HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)
- ** R01HL-12647-05 Norepinephrine in vascular tissue
- ** R01HL-12647-05 0001 Norepinephrine in vascular tissue - Inactivation of norepinephrine in vascular tissue (rabbits)
- R01HL-12647-05 0002 Norepinephrine in vascular tissue - Uptake of tyrosine by adrenergic terminals (rabbits)
- ** R01HL-12648-05 Catecholamine metabolism in hypertensive diseases (human, rats)
- P01HL-12738-06 0064 Physiologic pharmacology and its clinical applications - Cardiovascular reactivity (rats)
- R01HL-12740-06 Hypocholesterolemic agents-Stereochemistry (rats)
- R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- R01HL-12827-05 Regulation of sodium excretion (dogs, rats)
- ** R01HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
- R01HL-13322-05 Microscopy of living nephron (hamsters)
- R01HL-13595-04 Renin and vascular hyper-reactivity in hypertension (human)
- R01HL-13607-04 Role of catecholamines in hypertension (human)
- R01HL-13917-15 Secretion and effects of adrenal hormones (human, rabbits, sheep)
- R01HL-13924-03 Mode of action of acetylcholine (rabbits, cats)
- R01HL-14053-03 Cardiovascular determinants of catecholamine release (dogs)
- R01HL-14117-03 Mechanism of heart failure (Syrian hamsters)
- ** P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
- P17HL-14150-04 0009 Specialized center of research in hypertension - Pharmacological studies of behavior and cardiovascular function (monkeys)
- P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
- P17HL-14201-04 0023 Pulmonary disease research center - Patients with COPD (also dogs)
- P17HL-14214-04 0019 Neonatal lung center - Cyclic AMP as mediator of ACTH response (lambs)
- P17HL-14217-04 0036 Specialized center of research in thrombosis - Vascular smooth muscle
- R01HL-14361-03 Cadmium, renin-angiotensin and hypertension
- P01HL-14388-03 0011 Regulation of the circulation in pathological states - Effects of dietary sodium on blood pressure and vascular reactivity in man
- P01HL-14388-03 0013 Regulation of the circulation in pathological states - Angiotensin and sympathetic stimulation in man
- P01HL-14388-03 0020 Regulation of the circulation in pathological states - Therapeutic interventions in heart failure (human)
- R01HL-14588-03 Sympathetic nervous system in renal hypertension (rats)
- R01HL-14653-02 Stress hypertension (monkeys)
- R01HL-14713-03 Hypothermia and the heart (bats)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- R01HL-14775-03 Mechanisms of drug action in vascular smooth muscle (dog, rabbits)
- P01HL-14780-02 0003 Mechanisms and treatment of cardiovascular diseases - Control of peripheral circulation-Function of venous systems (human)
- R01HL-14832-02 Myocardial cells-Autonomic and rhythmic mechanisms (human, chick embryo)
- R01HL-14874-02 Spontaneous vascular tone during renal hypertension (rats)
- R01HL-14944-02 Renal vascular reactivity in hypertensive patient
- R01HL-14982-02 Mechanism of renin release and angiotensin metabolism (human, dogs)
- R01HL-15011-02 Altered adrenergic function in essential hypertension (human, rats)
- R01HL-15040-02 Shock in myocardial infarction (human)
- P17HL-15063-03 0011 SCOR diffuse infiltrati ve lung disease - Non-respiratory functions of the lung in health and disease (human)
- P17HL-15063-03 0012 SCOR diffuse infiltrati ve lung disease - Autonomic regulation of the tracheobronchial tree (human)
- R01HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
- R01HL-15390-08 Regulation of blood flow in the microcirculation
- R01HL-15426-01 Cardiac monoamine oxidase (rats, human, guinea pigs)
- R01HL-15467-02 Normal and abnormal regulation of sodium excretion (dogs)
- R01HL-15473-01 Chemoreceptors and ventilatory control (horses)
- R01HL-15496-01 Cardiac dynamics in experimental cardiogenic shock (dogs)
- R01HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
- R01HL-15758-02 Catecholamine release in the heart (dogs)
- R01HL-15791-02 Kinins in regulating renal function (dogs)
- R01HL-15802-01 Digitalis-Mechanism of cardiac sympathetic effects (cats)
- P01HL-15835-01 0018 Pennsylvania Muscle Institute - Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs)
- R01HL-16037-01 Molecular properties of cardiac adrenergic receptors
- P01HL-16117-01 0006 Ion movements and membranes in cardiovascular control - Neuroreceptors and cellular excitation (fish)
- R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dog)
- R01HL-16353-02 Pharmacologic evaluation of neurovascular dilation
- ** R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)
- R23HL-17186-01 Catecholamines in neurogenic pulmonary edema (dog)
- R23HL-17204-01 Metabolism of vasoactive hormones by newborn lung (rabbits)
- ** R01HL-17684-01 Adrenergic mechanisms in cardiac muscle (rabbits, cats)
- R01MH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
- R10MH-03701-15 0007 Clinical new chemotherapeutic agent evaluation - Correlation of clinical with animal data (human, monkeys, cats)
- R01MH-07658-12 Drugs and reactions to aversive stimuli (monkeys)
- R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- P01MH-08618-10 0004 Biological studies of psychotic disorders - Mechanism of action of mescaline (rats)
- R01MH-08833-11 Neuropharmacologic studies of local brain function (cats)
- R01MH-11191-09 Brain amines and behavior (mice)
- R10MH-11468-09 0020 Psychopharmacology research center - Antagonism of antihypertensive effect of guanethidine by neuroleptic drugs (rats)
- ** R10MH-11468-09 0021 Psychopharmacology research center - Hydroxylated metabolites of amphetamine in the CNS (rats)
- R10MH-11468-09 0023 Psychopharmacology research center - PCA and the synaptosomal uptake of catecholamine and 5HT (rats)
- R10MH-11468-09 0024 Psychopharmacology research center - Role of adrenergic mechanisms in motor and cataleptic effects of morphine (rats)
- P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
- R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- R01MH-13026-07 Pharmacogenetics of audiogenic seizures (mice)
- ** R01MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- ** R01MH-13186-08 LSD, psychogenic procedures and brain neurohumors (rats, mice, cats)
- ** R01MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
- R01MH-14110-07 0008 Neural modulation and transmission - Phenylethylamine and phenylethanolamine
- R01MH-14110-07 0009 Neural modulation and transmission - Effects of catecholamines-Related drugs (rabbits)
- R01MH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)
- ** R01MH-15413-06 0002 Psychopharmacology of biogenic amines in depression - Antipsychotics (rats)
- R01MH-15413-06 0003 Psychopharmacology of biogenic amines in depression - Lithium salts (rats)
- R01MH-15413-06 0004 Psychopharmacology of biogenic amines in depression - Electroconvulsive shock (rats)
- R01MH-15413-06 0005 Psychopharmacology of biogenic amines in depression - Tryptophan (rats)
- R01MH-15413-06 0006 Psychopharmacology of biogenic amines in depression - Normethamphetamine (rats)
- ** R01MH-15413-06 0007 Psychopharmacology of biogenic amines in depression - Tritium labeled-1-norepinephrine (rats)
- R01MH-15413-06 0008 Psychopharmacology of biogenic amines in depression - Clinical studies-Tricyclic antidepressants (human)
- R01MH-15413-06 0009 Psychopharmacology of biogenic amines in depression - Clinical studies-Lithium salts and biogenic amine metabolism (human)
- R01MH-15413-06 0010 Psychopharmacology of biogenic amines in depression - Clinical studies-Electroconvulsive shock (human)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-16127-06 0008 Muscle enzyme release in the acute psychoses - Failure of phencyclidine to enhance PCPK levels following stress (rats)
- ** R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- R01MH-16674-06 0009 A program of psychiatry-oriented biological research - Release of neurotransmitters from synaptosomes (rats)
- ** R01MH-16674-06 0015 A program of psychiatry-oriented biological research - Effects of electroconvulsive seizures on biogenic amines in rat brain
- R01MH-16841-06 0008 Effect of central nervous system lesions on drug action - Uptake of serotonin by telencephalon and cerebellum
- ** R01MH-16841-06 0015 Effect of central nervous system lesions on drug action - Effect of medial hypothalamic lesions on brain-stem content of norepinephrine
- R01MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
- R01MH-19438-04 0002 Neurochemistry of obesity and learned taste aversions - Peripheral and endocrine influences on changes in feeding (rats)
- R01MH-19438-04 0004 Neurochemistry of obesity and learned taste aversions - Brain mechanisms that control insulin in relation to obesity (rats, mice)
- ** R01MH-19438-04 0005 Neurochemistry of obesity and learned taste aversions - Fluoro-assay of norepinephrine, dopamine, serotonin in hypothalamus (rats, mice)
- R01MH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism
- ** R01MH-20620-03 Psychopharmacology of brain norepinephrine (rats)
- R01MH-21090-03 Preclinical studies of rufidum in affective illness (dogs, primates)
- R01MH-21114-03 Circadian rhythms and the central nervous system (crayfish, insects, hamsters)
- R01MH-21539-03 Chemistry and mechanism of action of monoamine oxidase (cattle)
- R01MH-21586-02 Biogenetic studies of the effective disorders
- ** R01MH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
- R01MH-21805-02 Psychotropic drugs, catecholamines and neuro cultures (rats, mice)
- ** R01MH-21978-03 Pharmacology of methylated norepinephrine derivatives (rats)
- R01MH-22768-02 Neurochemical and behavioral effects of severe stress (rats)
- R01MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
- R01MH-23861-02 0006 Biogenic amines and behavior - Analytical mass fragmentography-indole derivatives in CNS (rats)
- R01MH-23861-02 0007 Biogenic amines and behavior - Assay of biogenic amines in brain (rats)
- R01MH-23861-02 0010 Biogenic amines and behavior - Relation of catecholamines to pituitary-adrenal function (rats, human)
- ** R01MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
- R01MH-23861-02 0029 Biogenic amines and behavior - Preparation of deuterium analog of MHPG (human)
- ** R01MH-23861-02 0031 Biogenic amines and behavior - Relation of urinary amines to social processes (monkeys)
- R01MH-23861-02 0032 Biogenic amines and behavior - Cyclic AMP and behavior (mice)
- R01MH-24114-01 Chemistry of reward and related behaviors
- R01MH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)
- ** R01MH-24393-02 0006 MHPG excretion, catecholamine metabolism, and depression - Kinetics of disposition and metabolism of circulating NE (human)
- ** R01MH-24393-02 0010 MHPG excretion, catecholamine metabolism, and depression - Routes of formation of MHPG (rodents)
- R01MH-24393-02 0011 MHPG excretion, catecholamine metabolism, and depression - Metabolism of catecholamines in human brain
- R01MH-24593-01 Neurohumoral determinants of sensitivity to LSD
- R01MH-24607-01 Monoamines and mental illness (primates)
- R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to TIT and L-dopa (human)
- R01MH-25133-02 0006 Steroid hormones in depressive illness - Correlations with MHPG excretion and epinephrine (human)
- R03MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)
- R03MH-25384-01 Hormonal influences on time-dependent memory processes (rats)
- R01MH-25505-01 Drugs, catechol amines and Krebs cycle interaction
- R01MH-25601-01 Brain dopamine-beta-hydroxylase regulation and behavior
- R01MH-26237-01 0002 Biogenic amine and CNS phospholipid metabolism - Biogenic amine subcellular and molecular effects on CNS phospholipid metabolism
- R01MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)
- R01MS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
- R01MS-04053-12 0008 Epilepsy - Microiontophoresis of putative transmitters on neurons in cortical slabs (cats)
- R01MS-05611-10 Spinal synaptic transmission and biogenic amines (cats)
- R01MS-00610-08 In vitro biology of brain cellular species (rats, mice)
- R01MS-07436-07 Neural control of gastrointestinal activity (bats, mice, rabbits)
- R01MS-07642-08 The storage and release of tissue catecholamines (cattle, dogs, guinea pigs)
- R01MS-07923-07 Nervous control of urinary bladder and large bowel (cats)
- ** R01MS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- R01MS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
- ** R01MS-08436-04 Metabolic regulation in glioma cells (rats)
- R01MS-08440-06 Metabolic basis of neural function (animals)
- R01MS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
- R01MS-08740-08 Electrochemistry-EPR of biological electron transfer
- R01MS-09051-05 Drugs on release of biogenic amines and behavior (rats)
- R01MS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
- R01MS-09350-04 Stereochemical studies of adrenergic drugs
- R01MS-09356-04 Chronic inhibition of cholinesterase (rats)
- R01MS-09649-04 0011 Research in parkinsonism - Functional interrelations of brain aminergic systems (rats, primates)
- R01MS-09800-03 Regulation of ACTH-Role of neural inhibition (rats)
- ** R01MS-10163-03 0001 Acute spinal cord injury center - Norepinephrine metabolism in spinal cord injury-Hemorrhagic necrosis (cats)
- ** R01MS-10163-03 0002 Acute spinal cord injury center - Norepinephrine metabolism in spinal cord injury-Neurological deficits (cats)
- ** R01MS-10163-03 0004 Acute spinal cord injury center - Anatomic norepinephrine pathways (cats)
- ** R01MS-10163-03 0006 Acute spinal cord injury center - Enzymatic studies (cats)
- R01MS-10163-03 0007 Acute spinal cord injury center - Anti-norepinephrine treatment of severe spinal injuries (cats, monkeys)
- ** R01MS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- ** R01MS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
- R01MS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- R01MS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
- R01MS-10326-02 Cytochemical investigations of adrenergic neurons (monkeys, rats)
- R01MS-10391-01 Effects of L-dopa on brain serotonin (mice)
- R01MS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
- R01MS-10597-02 Responses of thermosensitive cells to biogenic amines (rats, ground squirrels)
- ** R01MS-10777-02 Development of brain monoamines and seizures (mice, rats)
- R01MS-10799-01 Cerebral cortical edema in arteriovascular stroke (primates)
- R01MS-10918-01 Inhibition of catechol-O-methyltransferase
- R01MS-10922-01 Central mechanisms of visceral and somatic pain (cats)
- R01MS-11014-01 Dopamine-beta-hydroxylase-Neural release and metabolism (guinea pigs)
- R01MS-11051-01 Pharmacology of brainstem cardiovascular centers (cats)
- R01MS-11061-01 Regulation of adrenergic metabolism (rats)
- R01MS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- R01MS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)
- R01MS-11255-01 0005 Comparative neurobiology (aphasia, fish, sea lions) - Neuronal and glial tissue culture models of intercellular communication
- R01MS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
- R01MS-11549-01 Synapse formation in cloned cell lines (mice, rats)
- ** R01MS-11631-01 0050 Clinical center for research on Parkinson's and allied diseases - Analysis of effects of 6-OH dopamine into the mesencephalic tegmentum (cats)
- P01NS-11631-01 0065 Clinical center for research on Parkinson's and allied diseases - Development of antibodies to DOPA, dopamine, norepinephrine and serotonin (rabbits)
- P01NS-11631-01 0067 Clinical center for research on Parkinson's and allied diseases - Proteins in the synaptosomes of the rat brain
- P01NS-11642-01 0011 Basic and clinical neuroendocrinology - Monoamine distribution and neuroendocrine function (animals)
- P01NS-11647-01 0005 Peripheral and central auditory mechanisms - Pharmacological and surgical intervention in the cochlea (cats, guinea pigs)
- P01NS-12041-01 Biogenic aldehydes-A role in CNS function (mice)
- P01NS-22329-02 No-reflow phenomenon (monkeys)
- M01RR-00035-14 0126 General clinical research centers - Assay for catecholamines (human)
- M01RR-00065-12 0018 General clinical research center - Circulatory and hormonal abnormalities in orthostatic hypotension (human)
- M01RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)
- M01RR-00071-11 0037 General clinical research center - Antihypertensive drugs-Digital circulation (human)
- M01RR-00071-11 0045 General clinical research center - Catecholamine metabolism in hypertensive disease (human)
- M01RR-00071-11 0046 General clinical research center - Effect of glucocorticoids in catecholamine metabolism in hypertension (human)
- M01RR-00284-08 0030 General clinical research center-pediatric - Affective disorders of childhood
- M01RR-00287-08 0006 General clinical research center - Variation of amines in nocturnal migraine (human)
- M01RR-00350-08 0107 General clinical research center - Cerebral diaschisis-Transneuronal pathogenesis and biochemical basis (human)
- M01RR-00633-02 0071 General clinical research center - Effect of hypercalcemia on vascular reaction to angiotensin II and norepinephrin
- M01RR-00645-03 0013 Clinical research center - Catecholamine metabolism in subtypes of hypertension (human, dogs)
- M01RR-00645-03 0035 Clinical research center - Prolactin (human)
- M01RR-00845-03 0036 Clinical research center - Posterior pituitary hormones (human)
- M01RR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
- M01RR-00847-01 0002 Clinical research centers - Altered catecholamine metabolism in recurrent intrahepatic jaundice (human)
- M01RR-00865-01 0009 General clinical research center - Effect of aromatic monoamines on serum thyroglobulin (human)
- PHENYLALKYLAMINES, CATECHOLAMINES, NORMETHANEPHRINE**
- R01MH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)
- ** R01MH-15413-06 0006 Psychopharmacology of biogenic amines in depression - Normethanephrine (rats)
- R01MH-15413-06 0008 Psychopharmacology of biogenic amines in depression - Clinical studies-Tricyclic antidepressants (human)
- R01MH-15413-06 0009 Psychopharmacology of biogenic amines in depression - Clinical studies-Lithium salts and biogenic amine metabolism (human)
- R01MH-15413-06 0011 Psychopharmacology of biogenic amines in depression - Clinical studies-Changes in biogenic amine metabolism (human)
- R01MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)
- ** R01MH-24393-02 0010 MHPG excretion, catecholamine metabolism, and depression - Routes of formation of MHPG (rodents)
- M01RR-00847-01 0001 Clinical research centers - Catecholamine metabolism in familial pheochromocytoma (human)
- PHENYLALKYLAMINES, CATECHOLAMINES INHIBITORS**
- R01AA-01245-01 Alcohol effects on behavior-Biochemical correlates (rats, mice, monkeys)
- P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
- R01AM-16551-03 Drug and hormone effects on carbohydrate metabolism (rats)
- R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
- R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- P01HD-06267-03 0001 Role of biological membranes in aging processes - Changes in cardiac membrane properties (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** R01HL-11274-07 Regulators of catecholamine and steroid biosynthesis
- R01HL-15210-02 Sympathetic nervous system influences on atherosclerosis (rabbits)
- R01HL-15365-02 Treatment of post surgical vasoconstriction (dogs, cats, monkeys)
- R01MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- P01MH-16674-06 0006 A program of psychiatry-oriented biological research - Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates
- P01MS-06208-09 0018 Epilepsy research program - Brain amine and seizure activity (rats, mice)
- R01NS-07642-08 The storage and release of tissue catecholamines (cattle, dogs, guinea pigs)
- R01NS-10163-03 0003 Acute spinal cord injury center - Protection against necrosis by alpha methyl tyrosine (cats)
- R01NS-10163-03 0007 Acute spinal cord injury center - Anti-norepinephrine treatment of severe spinal injuries (cats, monkeys)
- R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- R01NS-11756-01 Conductance of nicotinic acetylcholine receptors (torpedos)
- M01RR-00042-14 0019 General clinical research center - Long term manifestations of scleroderma (human)
- ** M01RR-00047-14 0095 General clinical research center - Tetrabenazine for Gilles De La Tourette syndrome (human)
- M01RR-00059-13 0157 General clinical research center - Alpha-methyl-para-tyrosine in pheochromocytoma (human)
- M01RR-00350-08 0105 General clinical research center - Cerebral dysautoregulation in Shy-Drager syndrome (human)

PHENYLALKYLAMINES, DEOXYEPHEDRINE

- R01DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
- ** R01DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)
- ** R01DA-00126-03 Cerebrovascular injury in experimental drug abuse (monkeys)
- P01DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
- ** P01DA-00250-03 0013 Research center-Studies of drug dependence and abuse - Morphological and functional toxicity of methamphetamine (monkeys)
- ** P01DA-00250-03 0014 Research center-Studies of drug dependence and abuse - Psychotropic drugs and chromosomal aberrations (rabbits)
- R01HD-07895-01 Consequence of in utero treatment (rats)
- R01MH-14110-07 0010 Neural modulation and transmission - Quantum pharmacology
- R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- P01NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** M01RR-00425-06 0062 General clinical research center - Role of methamphetamine in chronic hepatitis (human)

PHENYLALKYLAMINES, DIHYDROXYPHENYLETHYLAMINES

- SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES
- R01NS-11014-01 Dopamine-beta-hydroxylase-Neural release and metabolism (guinea pigs)

PHENYLALKYLAMINES, 2,5-DIMETHOXY-4-METHYLAMPHETAMINE

- ** R01DA-00555-01 Abuse drugs-disposition, metabolism and receptors (rodents)
- P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - illicit drugs (human)

PHENYLALKYLAMINES, EPHEDRINE

- R01CA-08349-09 Potential tumor or organ imaging agents
- P10ES-00159-09 0026 Center for study of the human environment - Lung perfusion model for steroid metabolism study (rats, rabbits)
- P11GM-15431-08 0051 Research center for clinical pharmacology and drug toxicology - Guanidinium adrenergic neuron blockers (human, cats)
- P01GM-15571-06 0064 Anesthesia research-Program project - Human studies-Vasopressors
- P01GM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
- P01GM-15571-06 0078 Anesthesia research-Program project - Obstetrical anesthesia-Studies in pregnant sheep
- R01HL-14733-02 Artificial heart and related problems (cattle)
- R01HL-15907-01 Steroid metabolism in patients with bronchial asthma (human)
- R10MH-11468-09 0036 Psychopharmacology research center - Medicinal chemistry
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- R01NS-09350-04 Stereochemical studies of adrenergic drugs
- ** M01RR-00828-01 0010 General clinical research center - Bioavailability of theophylline (human)

PHENYLALKYLAMINES, FENFLURAMINE

- R01AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)

PHENYLALKYLAMINES, MEPHENTERAMINE

- P01GM-15571-06 0078 Anesthesia research-Program project - Obstetrical anesthesia-Studies in pregnant sheep

PHENYLALKYLAMINES, Mescaline

- P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - illicit drugs (human)
- ** R01GM-21211-01 Cacti as drugs of abuse
- R10MH-03030-15 Improved clinical screening of phrenotropic drugs (human)
- ** P01MH-08618-10 0004 Biological studies of psychotic disorders - Mechanism of action of mescaline (rats)
- P01MH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- ** P01MH-08618-10 0046 Biological studies of psychotic disorders - Effects of subclinical doses of mescaline (human)
- R01MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)
- R01MH-23414-02 Central actions of hallucinogenic drugs (rabbits, rats)

PHENYLALKYLAMINES, METHADOL

- ** R01DA-00084-02 Effects of long term drug dependence (human)
- P01DA-00250-03 0017 Research center-Studies of drug dependence and abuse - Detection of drugs of abuse in biological fluids
- R01DA-00415-03 Studies of selected agonists and antagonist

PHENYLALKYLAMINES, METHADONE

- ** R01AA-00379-01 Opiate addiction and alcoholism-Concurrent treatment
- R01AM-16497-02 0014 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in heroin addicts
- ** R01DA-00061-04 Disposition and metabolism of tritiated DL-methadone (humans, dogs, rats)
- R01DA-00073-04 Opiate effects on brain function and behavior (human)
- ** R01DA-00084-02 Effects of long term drug dependence (human)
- R01DA-00115-03 Effects of opiate withdrawal on learning (rats)
- ** R01DA-00122-03 Methadone fate in the pregnant subject, fetus and newborn (rats, sheep)
- R01DA-00125-02 Immunologic effects of morphine (animals)
- P01DA-00250-03 0001 Research center-Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of drugs of abuse-Psychotomimetics
- P01DA-00250-03 0002 Research center-Studies of drug dependence and abuse - Neurochemistry and pharmacology of morphine and opiates (rats, primates)
- P01DA-00250-03 0005 Research center-Studies of drug dependence and abuse - Intrauterine environment in drug addiction pregnancy (human)
- P01DA-00250-03 0015 Research center-Studies of drug dependence and abuse - Studies in the Illinois drug abuse program
- ** P01DA-00250-03 0020 Research center-Studies of drug dependence and abuse - Methadone and stress
- ** R01DA-00296-01 Effects of acute and chronic methadone treatment (rats)
- R01DA-00325-02 Narcotic addiction during pregnancy and its sequelae (human)
- ** R01DA-00388-01 Evaluation of sustained methadone ingestion (mammals)
- ** R01DA-00415-03 Studies of selected agonists and antagonist
- ** R01DA-00721-01 Acute and chronic methadone effects on brain activity (monkeys, cats)
- ** R01DA-00732-01 Methadone dose-plasma level-effect relations in man
- ** R01DA-00755-01 Chronic pentobarbital or methadone-CNS biochemistry (rats)
- R01DA-00770-01 Quantum chemical studies of opiate narcotics
- R01DA-00866-02 Long-acting narcotic antagonist for addiction (dogs, rats)
- ** R01DA-00923-01 Methadone temporary support using LAAM and naltrazone
- ** R01DA-00942-01 Pharmacokinetics of methadone
- R01DA-01006-01 Narcotic addiction and neuroendocrine function (cats, rats)
- R01DA-01035-01 Neuro-psychopharmacology of methaqualone (human)
- R01DA-01050-01 EEG REM sleep and imipramine in morphine addiction (rats)
- M R01DA-01057-01 Drugs of abuse-Pharmacokinetics, metabolism and response
- ** R01DA-01057-01 0003 Drugs of abuse-Pharmacokinetics, metabolism and response - Methadone maintenance, pharmacokinetics and response (human)
- ** R01DA-01057-01 0006 Drugs of abuse-Pharmacokinetics, metabolism and response - Analytical methodology (human)

- N01DA-20209-04 Effects of narcotic antagonist therapy (human)
- N01DA-30020-00 Treatment and rehabilitation for opiate-dependent persons
- ** N01DA-30049-00 Treatment of opiate dependent persons
- ** N01DA-30050-00 Treatment of drug dependent persons
- ** N01DA-30053-03 Services to narcotic addicts
- ** N01DA-30055-00 Treatment of drug dependent persons
- ** N01DA-30056-05 Treatment of drug dependent persons
- N01DA-30060-00 Evaluate new instrument capability
- N01DA-30092-00 Services to narcotic addicts (human)
- N01DA-30176-00 Services to narcotic addicts
- N01DA-30184-01 Synthesis of labeled narcotics and narcotic antagonists
- ** N01DA-30192-00 Treatment of narcotic addicts in Tehran, Iran
- ** N01DA-30217-02 Management and behavior therapy in a methadone maintenance program (human)
- N01DA-30263-00 Interaction studies of narcotics and narcotic antagonists (monkeys)
- N01DA-40105-00 Services to narcotic addicts
- N01DA-40106-00 Services to narcotic addicts
- N01DA-40151-00 Services to narcotic addicts and drug abusers (human)
- N01DA-40152-00 Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
- N01DA-40159-00 Efficacy of propoxyphene napsylate in maintenance therapy for narcotic addiction
- P01GM-09069-12 0058 Research in anesthesiology - Obstetric anesthesia and fetal pharmacology (guinea pigs)
- P11GM-15477-08 0017 Drug metabolism and biochemical pharmacology - Antagonism by naloxone of narcotic and narcotic-antagonist analgesics
- P11GM-15477-08 0018 Drug metabolism and biochemical pharmacology - Formation of tolerance on analgesic receptors (mice)
- ** P11GM-15477-08 0120 Drug metabolism and biochemical pharmacology - Methadone metabolism-Interaction with diazepam (rats)
- P11GM-15559-07 0040 Clinical pharmacology - Analytical biochemistry in clinical pharmacology
- P11GM-15956-07 0054 Factors affecting the responses to drugs - Placental transfer of methadone (goats)
- P01HD-02528-08 0056 Research center in mental retardation - Placental transfer of drugs (human, goats)
- R01HD-05362-04 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- R01HD-06009-03 Passive narcotic addiction in the human newborn
- R01HD-08708-01 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- P01HL-10342-09 0015 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the placenta (sheep)
- R01MH-08833-11 Neuropharmacologic studies of local brain function (cats)
- R01MH-26236-01 Interaction of alcohol, barbiturates and narcotics
- N01MH-30047-00 Provide treatment and rehabilitation for opiate-dependent persons
- M01RR-00076-12 0106 General clinical research center - 1-alpha acetylmethadol and methadone for rehabilitation of heroin addicts
- ** M01RR-00102-11 0003 General clinical research center - Methadone maintenance therapy
- M01RR-00827-01 0035 General clinical research center - Gonadotropins and sex steroids in drug abuse
- ** M01RR-00865-01 0023 General clinical research center - Methadone absorption in narcotic-tolerant-dependent humans

PHENYLALKYLAMINES, METHADYL ACETATE

- R01DA-00388-01 Evaluation of sustained methadone ingestion (mammals)
- ** R01DA-00962-01 Cardiovascular effects of 1-alpha acetylmethadol (LAAM)
- M01RR-00076-12 0106 General clinical research center - 1-alpha acetylmethadol and methadone for rehabilitation of heroin addicts

PHENYLALKYLAMINES, METHOXAMINE

- R01HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
- ** R01HL-14899-02 Mechanisms and prevention of cardiac arrhythmias (dogs)
- M01RR-00032-14 0048 General clinical research center - Neuronal control of insulin secretion by insulinomas
- M01RR-00056-13 0063 General Clinical Research Center - Isoproterenol in induced renin release (human)

PHENYLALKYLAMINES, PHENETHYLAMINES (GENERAL)

- R01AM-18066-01 Action of calcium on secretion (cats, rabbits)
- R03DA-00965-01 Structural requirements for narcotic antagonists
- ** R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)
- R01MH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01MH-14110-07 0008** Neural modulation and transmission 2 Phenylethylamine and phenylethanolamine
R01MH-14110-07 0009 Neural modulation and transmission - Effects of catecholamines-Related drugs (rabbits)
R01MH-14110-07 0010 Neural modulation and transmission - Quantum pharmacology
R01MH-14110-07 0015 Neural modulation and transmission - Convulsions and antiepileptic drugs (earthworms)
R01MH-14110-07 0018 Neural modulation and transmission - Related clinical observations
**** R01MH-14110-07 0020** Neural modulation and transmission - Non-hydroxylated amines
P01MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum
P01MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum
R01NS-09743-05 Synaptic connections of spinal cord neurons (animals)
R01NS-10578-01 Regulation of enzyme development in neurons (rats)

PHENYLALKYLAMINES, PROPOXYPHENE

- P01AM-01431-18 0006** Rheumatic diseases - Clinical pharmacology
N01DA-20209-04 Effects of narcotic antagonist therapy (human)
**** N01DA-40152-00** Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
**** N01DA-40159-00** Efficacy of propoxyphene napsylate in maintenance therapy for narcotic addiction
**** N01DA-40189-00** Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)

PHENYLALKYLAMINES, TERBUTALINE

- P01HL-12738-06 0085** Physiologic pharmacology and its clinical applications - The autonomic nervous system in the asthmatic child

PHENYLAMIDES

- SEE ALSO PIPERIDINAMIDES, MEPIVACINE
 SEE ALSO PIPERIDINES, FENTANYL
 SEE ALSO SULFANILAMIDES
 SEE ALSO SULFONAMIDES, PHENYLSULFONAMIDES
P01ES-00049-10 0026 Mode of action and metabolism of organic toxicants - 1-Benzoyl-3-phenylurea-Metabolism and mode of action (insects)
R01ES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)

PHENYLAMIDES, ACETAMINOPHEN

- R01AA-00667-01** Effect of alcohol on glucuronide conjugation of drugs (animals)
P17AM-17702-01 0011 Hepatitis cirrhosis center - Hepatic disposition of drugs and other xenobiotics (rats)
**** P11GM-12675-10 0009** Biochemical toxicology and pharmacology - Enterohaptic circulation-Acetaminophen glucuronide and sulfate (rats, human)
P11GM-15559-07 0039 Clinical pharmacology - Pharmacokinetics and biopharmaceutics (human)
**** P11GM-15956-07 0057** Factors affecting the responses to drugs - Pharmacokinetic studies of acetaminophen in children
P11GM-20852-01 0007 Clinical pharmacokinetics and biopharmaceutics - Effect of disease on bioavailability of drugs-Ileostomy and colostomy (human)

PHENYLAMIDES, ACETANILIDE

- ** R26CA-14927-02** Environmental bladder carcinogens (human)
P01HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)

PHENYLAMIDES, ACETOPHENETIDIN

- ** R01AM-03858-14** Control of water and solute movement across cell
P02AM-05630-12 0009 Metabolic unit for the Department of Medicine - Relationship between gut bacteria and blood
P01CA-08748-09 5922 Research program of Sloan-Kettering Institute - Kidney tumors-Influence of dietary factors (rats)
**** R26CA-14927-02** Environmental bladder carcinogens (human)
P01GM-09069-12 0083 Research in anesthesiology - Cigarette smoking and metabolism of phenacetin (human)
P01GM-09069-12 0084 Research in anesthesiology - Induction of drug metabolizing enzymes (mice)
P01GM-09069-12 0092 Research in anesthesiology - Cigarette smoke and phenacetin metabolism (rats)
**** P01GM-09069-12 0093** Research in anesthesiology - Mouse strain differences in drug utilization
R01HL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)
M01RR-00043-14 0062 General clinical research center - Role of cyclic AMP in water excretion (human)

PHENYLAMIDES, ETHAMIVAN

- R01NS-08851-04** Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)

PHENYLAMIDES, LIDOCAINE

- R01AM-14134-03** Mechanisms of drug-induced diabetes (mice, rats)
**** P13DE-02600-08 0031** Planning of a research center in oral biology - Axonal transport in the trigeminal nerve (rats)
P01GM-09069-12 0058 Research in anesthesiology - Obstetric anesthesia and fetal pharmacology (guinea pigs)
P11GM-15431-08 0043 Research center for clinical pharmacology and drug toxicology - The influence of hepatic blood flow on drug disposition (rats, monkeys, human)
P11GM-15559-07 0040 Clinical pharmacology - Analytical biochemistry in clinical pharmacology
P01GM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
P01GM-15904-07 0010 Anesthesiology center for research and teaching - Obstetrical anesthesia and perinatal care
P01GM-15904-07 0011 Anesthesiology center for research and teaching - Obstetrical anesthesia and perinatal morbidity and mortality (human)
P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
**** P01GM-15991-06 0050** Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)
**** P01GM-15991-06 0051** Anesthesia research center - Binding of lidocaine in nerves and other tissues (rabbits)
P01GM-15991-06 0086 Anesthesia research center - Regional anesthesia in managing abnormal uterine contraction (human)
P01GM-15991-06 0093 Anesthesia research center - Disposition of local anesthetics-Relationship to pathophysiologic status
P01GM-15991-06 0095 Anesthesia research center - Anesthesia and anesthetic agents and phagocytosis and antigen processing (human)
P01GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation
P01GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
**** P01GM-16496-06 0001** Clinical pharmacology-Pharmacokinetics - Pharmacology, pharmacokinetics and metabolism of lidocaine (primates)
P01GM-16496-06 0038 Clinical pharmacology-Pharmacokinetics - Drug kinetics in patients with severe heart failure and shock
P01GM-16496-06 0041 Clinical pharmacology-Pharmacokinetics - Computer-aided drug dosage (human)
M01GM-51057-22 Study on drug metabolism (human, mice, dogs, rabbits)
P01HD-06267-03 0001 Role of biological membranes in aging processes - Changes in cardiac membrane properties (rats)
**** P01HL-06285-14 0163** Cardiovascular-respiratory physiology and biochemistry - Lidocaine in congestive heart failure (human)
**** P01HL-06312-13 0027** Surgical cardiology - Regional blockade to attain temporary cardiac denervation (dogs)
R01HL-08508-11 Cardiac conductivity and automaticity (dogs)
**** P01HL-12738-06 0003** Physiologic pharmacology and its clinical applications - Effect of lidocaine on conduction in canine Purkinje fibers
**** P01HL-12738-06 0035** Physiologic pharmacology and its clinical applications - Lidocaine excitability in Purkinje fibers (mammals)
**** P01HL-12738-06 0044** Physiologic pharmacology and its clinical applications - Procaine amide suppression of automaticity in mammalian Purkinje fibers
R01HL-13321-04 Effect of drugs on Purkinje and ventricular fibers (dogs, guinea pigs)
P01HL-13480-04 0021 Cardiac electrophysiology - Fibrillation threshold studies
R01HL-14682-02 PH and properties of antiarrhythmic drugs (cats, human)
P01HL-14780-02 0014 Mechanisms and treatment of cardiovascular diseases - Cardiac rhythm and disorders-Localization of escape pacemaker foci (human)
P01HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dysrhythmia (human)
P01HL-14780-02 0020 Mechanisms and treatment of cardiovascular diseases - Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat)
R01HL-14796-02 New antifibrillatory drug (rabbits, cats, dogs)
R01HL-15247-02 Extending the life of implanted pacemakers (dogs)
**** P01HL-15833-01 0003** Pharmacologic and physiologic basis of cardiac therapy - Drug interaction to produce synergistic or antagonistic therapeutic activity
- P01HL-15833-01 0008** Pharmacologic and physiologic basis of cardiac therapy - Drug metabolism in postoperative cardiac surgical patients
P01HL-15833-01 0009 Pharmacologic and physiologic basis of cardiac therapy - Metabolism of drugs and hemodynamic effects in myocardial infarction (human)
**** R01HL-16182-01** Xylocaine-Chronic infusion and toxicity (dogs)
R01HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
M01HV-22970-02 Ischemic myocardium and infarct size (animal)
P01NS-06663-08 0014 Cerebrovascular clinical research center - Postoperative treatment of subarachnoid hemorrhage and cerebral vasospasm
P01NS-06826-06 Univ Tennessee cerebrovascular research center (human, dogs, cats, monkeys)
R01NS-09835-03 Neuropharmacologic studies in experimental epilepsy (cats, rats, mice, monkeys)
R01NS-10349-03 Neurotrophic influence on muscle (rabbits)
**** M01RR-00070-12 0087** General clinical research center - Lidocaine metabolism in renal failure (human)
**** M01RR-00632-02 0013** General clinical research center - Effect of lidocaine on left ventricular performance (human)
**** M01RR-00633-02 0014** General clinical research center - Effect of lidocaine on cardiac arrhythmias (human)

PHENYLAMIDES, PRACTOLOL

- P15A-10391-03** Allergy disease center-Rhinitis investigations (human, guinea pigs)
P11GM-15559-07 0043 Clinical pharmacology - Drug therapy of cardiac damage and arrhythmias (human, cats)
P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
P11GM-20387-02 0005 Multidisciplinary research program in pharmacology-toxicology - Pharmacological activity of metabolites of beta-blocking drugs (mammals, human)
P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
**** P11GM-20387-02 0007** Multidisciplinary research program in pharmacology-toxicology - Antiarrhythmic efficacy and metabolism of propranolol and practolol (human)
P11GM-20387-02 0008 Multidisciplinary research program in pharmacology-toxicology - Stable isotopes in clinical pharmacology and toxicology (animals, human)
P11GM-20387-02 0010 Multidisciplinary research program in pharmacology-toxicology - Improved methodology for isolation of polar drugs and metabolites (human)
P11GM-20387-02 0013 Multidisciplinary research program in pharmacology-toxicology - Support program in synthetic organic chemistry
R01HL-13666-03 Pharmacologic studies on the genesis of cardiac rhythmicity (rabbits, cats)
P01HL-14780-02 0020 Mechanisms and treatment of cardiovascular diseases - Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat)
R01HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
M01RR-00051-13 0002 General clinical research center - Beta blockers in hypertension and angina (human)
**** M01RR-00059-13 0055** General clinical research center - Effects of propranolol, methyldopa and placebo in thyrotoxic patients
**** M01RR-00059-13 0069** General clinical research center - Correlation of beta blockade with serum practolol (human)

PHENYLAMIDES, PROCAINE AMIDE

- SEE ALSO P-AMMOBENZONATE, PROCAINE HYDROCHLORIDE
R01AM-16088-01 Significance of intrarenal flow during preservation (dogs)
R01AM-17469-01 SLE and drug induced LE-Pathogenesis and therapy (human, mice)
P17AM-17702-01 0011 Hepatitis cirrhosis center - Hepatic disposition of drugs and other xenobiotics (rats)
P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
P11GM-20852-01 0003 Clinical pharmacokinetics and biopharmaceutics - Pharmacokinetic guidance of patient dosage regimens
**** P01HL-12738-06 0001** Physiologic pharmacology and its clinical applications - Clinical pharmacology of procaine amide (human)
**** P01HL-12738-06 0044** Physiologic pharmacology and its clinical applications - Procaine amide suppression of automaticity in mammalian Purkinje fibers
P01HL-12738-06 0045 Physiologic pharmacology and its clinical applications - Clinical pharmacology of procaine amide (human)
**** R01HL-14326-03** Antiarrhythmic drug evaluation (dogs)
R01HL-14682-02 PH and properties of antiarrhythmic drugs (cats, human)
P01HL-14780-02 0014 Mechanisms and treatment of cardiovascular diseases - Cardiac rhythm and disorders-Localization of escape pacemaker foci (human)
P01HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dysrhythmia (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- PO1HL-14780-02 0020 Mechanisms and treatment of cardiovascular diseases - Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat)
- RO1HL-14796-02 New antifibrillatory drug (rabbits, cats, dogs)
- ** PO1HL-15833-01 0003 Pharmacologic and physiologic basis of cardiac therapy - Drug interaction to produce synergistic or antagonistic therapeutic activity
- PO1HL-15833-01 0009 Pharmacologic and physiologic basis of cardiac therapy - Metabolism of drugs and hemodynamic effects in myocardial infarction (human)
- NO1HV-12474-04 Sudden cardiac death and myocardial infarction
- ** MO1RR-00037-14 0108 General clinical research center - Effects of procainamide on emotional arrhythmia
- MO1RR-00044-14 0073 General clinical research center - Cardiac conduction abnormalities in myotonic dystrophy (human)
- ** MO1RR-00133-10 0070 General clinical research center - Effect of renal failure on prostetyl excretion (human)
- MO1RR-00287-08 0061 General clinical research center - Drug induced systemic lupus erythematosus (human)
- ** MO1RR-00833-01 0035 General clinical research center - Mechanisms of drug-induced Lupus (human)
- PHENYLAMINES**
SEE ALSO AZOBENZENES, AMINOAZOBENZENES
SEE ALSO IMIDAZOLES, CATAPRES
SEE ALSO PHENOLIC AMINES
SEE ALSO PHENYLALKYLAMINES
- R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
- RO1DE-03246-05 Biochemical mechanisms relevant to dental research (E coli)
- RO1ES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
- PO1GM-13543-09 0018 Cellular and molecular pathology - Drug metabolizing systems in livers of hospitalized patients (rats)
- P11GM-15431-08 0023 Research center for clinical pharmacology and drug toxicology - Maturational changes in hepatic drug metabolism (rats)
- P11GM-15477-08 0032 Drug metabolism and biochemical pharmacology - Enhancement of microsomal aromatic hydroxylation (rats)
- P11GM-15477-08 0035 Drug metabolism and biochemical pharmacology - Induction of drug metabolism after intravenous infusion of hexobarbital (dogs)
- P11GM-15477-08 0041 Drug metabolism and biochemical pharmacology - Kinetics induction microsomal drug metabolism-Thiolacetamide, SKF 525A (rats)
- P11GM-15477-08 0045 Drug metabolism and biochemical pharmacology - Administration of inducing agents (rats)
- P11GM-15477-08 0052 Drug metabolism and biochemical pharmacology - Age, sex and depression of drug metabolism (rats, mice)
- P11GM-15477-08 0119 Drug metabolism and biochemical pharmacology - Principles of drug biotransformation (rats)
- P11GM-15477-08 0122 Drug metabolism and biochemical pharmacology - Substituent effects in microsomal N-debenzylations
- RO1GM-20322-01 Stereospecific functionalization of aromatic amines
- RO1GM-20481-01 Heterogeneity of UDP-glucuronyltransferase (rats)
- NO1HD-22731-03 Interaction of B-vitamins with contraceptive steroids (rats)
- RO1HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
- ** RO1NS-10320-02 Transmitter release by nerve terminals (frogs, crayfish)
- PHENYLAMINES, BENZIDINE**
PO1CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- R26CA-15315-02 0001 Control of bladder cancer - Method for environmental carcinogen detection (dogs, monkeys, rodents, bacteria)
- ** R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- PO1ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
- PHENYLAMINES, BIPHENYLAMINES**
SEE ALSO PHENYLAMINES, BENZIDINE
- RO1AI-09598-05 Biosynthesis of microbial phenazines (microorganisms)
- RO1CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- PO1CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- R26CA-15315-02 0001 Control of bladder cancer - Method for environmental carcinogen detection (dogs, monkeys, rodents, bacteria)
- ** R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- R26CA-15640-01 Urinary bladder tumorigenesis (dogs, rabbits, human)
- NO1CP-12310-06 Colon carcinogenesis (rodents)
- NO1CP-43378-00 Colon carcinogenesis (rodents)
- PO1ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
- PHENYLAMINES, DPPD**
** PO1NS-07366-07 0010 Head injury clinical center research program - Effects of antioxidants and steroids on local brain lesions (rats)
- PHENYLAMINES, METHYLAMINE**
P11GM-15431-08 0023 Research center for clinical pharmacology and drug toxicology - Maturational changes in hepatic drug metabolism (rats)
- P11GM-15477-08 0051 Drug metabolism and biochemical pharmacology - Age, sex and microsomal drug metabolism (rats)
- RO1HD-04839-05 0004 Metabolism of drug substrates by human placenta - N-hydroxylation and N-oxidation reactions (rats, monkeys)
- PHENYLAMINES, NEOSTIGMINE**
RO1EY-00475-08 Studies on the nutrition of the eye (primates)
- PO1GM-09069-12 0030 Research in anesthesiology - Clinical pharmacology of pancuronium (human)
- PO1GM-15571-06 0071 Anesthesia research-Program project - Neuromuscular blocking agents (human)
- PO1GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
- ** PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- RO1HD-08339-01 Sudden infant death syndrome and sleep apnea (infants, adults)
- RO1HL-15219-02 Sickle cell diseases anesthetics and other drugs (human)
- R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)
- R10NH-11468-09 0033 Psychopharmacology research center - Cholinergic mechanisms in mania depression and schizophrenia (rats)
- RO1NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ** PO1NS-10175-03 0014 Neuromuscular disease research center - Neostigmine and the sensitivity of rat diaphragm to d-Tubocurarine (dTC) (rats)
- ** PO1NS-10175-03 0015 Neuromuscular disease research center - Neostigmine on acetylcholinesterase in skeletal muscle (rats)
- ** PO1NS-10175-03 0016 Neuromuscular disease research center - Neostigmine in the treatment of Duchenne muscular dystrophy (human)
- PHENYLAMINES, PARNATE**
MO1RR-00032-14 0061 General clinical research center - Therapy of idiopathic postural hypotension
- MO1RR-00032-14 0076 General clinical research center - Therapy of idiopathic postural hypotension (human)
- MO1RR-00037-14 0133 General clinical research center - Complications in idiopathic orthostatic hypotension (human)
- PHENYLAMINES, PHENYLENEDIAMINES**
SEE ALSO PHENYLAMINES, DPPD
- RO1MH-21730-03 Role of metal chelates in biogenic amine activity
- PHENYLBENZENE**
SEE BENZENE, BIPHENYLS
- 2-PHENYL-BENZO-GAMMA-PYRONES**
SEE FLAVONES
- PHENYLBUTAZONE**
SEE PYRAZOLONES, PHENYLBUTAZONE
- PHENYL CARBOXYLATES, BENZOATES**
SEE ALSO P-AMINO BENZOATE
SEE ALSO HALOPHENYL CARBOXYLATES, CHLOROMERCURIBENZOATE
SEE ALSO PHENYL CARBOXYLATES, HYDROXYBENZOATES (GENERAL)
SEE ALSO RADIOGRAPHY, CONTRAST MEDIA, TRIHODOBENZOATE*
SEE ALSO SULFONAMIDES, PROBENECID
- RO1AM-15461-08 Physical and chemical nature of the cutaneous barrier (human)
- PO1ES-00049-10 0026 Mode of action and metabolism of organic toxicants - 1-Benzoyl-3-phenylurea-Metabolism and mode of action (insects)
- RO1ES-01041-01 0001 Photosensitivity - New agents causing photosensitivity reactions in man
- P11GM-12675-10 0044 Biochemical toxicology and pharmacology - Porphyrins-Regulation by substrates for glycine N-acylase
- P11GM-16216-06 0031 Toxicological problems of drugs (placental transfer, lactation) - Diazepam (human)
- RO1HL-16443-01 Plasma inhibitor of profibrinolysis activation
- PO1NS-07464-07 0016 Laboratory of neurobiology - SH reagents and sensitivity of the cholinergic end-plate receptors
- RO1NS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- PHENYL CARBOXYLATES, CINNAMIC ACID**
SEE ALSO RADIOGRAPHY, CONTRAST MEDIA, TRIHODOBENZOATE*
- RO1GM-05301-17 Metabolism of aromatic compounds (plants)
- PHENYL CARBOXYLATES, GENTISIC ACID**
RO1HL-16951-01 Effect of temperature and pressure on blood platelets (dogs, rabbits)
- PHENYL CARBOXYLATES, HYDROXYBENZOATES (GENERAL)**
SEE ALSO PHENYL CARBOXYLATES, SALICYLATES
- RO1CA-15082-01 Metabolism of potential carcinogens
- ** RO1GM-13777-09 Mechanism of biochemical C-C and C-N bond formation
- ** RO1GM-19304-03 Regulation of bacterial aromatic hydroxylases (Pseudomonas fluorescence)
- ** RO1GM-20311-06 Biosynthesis of ubiquinone (rats, bacteria)
- PHENYL CARBOXYLATES, PHTHALATES (GENERAL)**
** RO1ES-00986-01 Biodegradation of the phthalates by bacteria
- ** RO1ES-00994-01 Biodegradation of phthalic acids and esters
- P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- RO1GM-19853-01 Metabolism of common plasticizers
- PHENYL CARBOXYLATES, PHTHALATES, DEHP**
** NO1HB-22991-02 Toxicology of plastics having contact with blood (dogs)
- PHENYL CARBOXYLATES, PROADIFEN**
RO1ES-00472-05 Hepatocellular metabolism of chlorinated hydrocarbons (rats, monkeys)
- ** P11GM-15477-08 0003 Drug metabolism and biochemical pharmacology - Drug binding sites of P450 hemoproteins (rats, rabbits)
- P11GM-15477-08 0006 Drug metabolism and biochemical pharmacology - Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice)
- P11GM-15477-08 0007 Drug metabolism and biochemical pharmacology - Selective toxicity of cyclophosphamide (rats)
- ** P11GM-15477-08 0041 Drug metabolism and biochemical pharmacology - Kinetics induction microsomal drug metabolism-Thiolacetamide, SKF 525A (rats)
- ** P11GM-15477-08 0098 Drug metabolism and biochemical pharmacology - Synthesis of SKF 525-A0c:14
- ** P11GM-15477-08 0113 Drug metabolism and biochemical pharmacology - Metabolism of dihalomethanes and SKF 525-A
- PO1HL-10342-09 0015 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the placenta (sheep)
- PO1HL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
- RO1MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- PHENYL CARBOXYLATES, SALICYLATES**
RO1AA-00667-01 Effect of alcohol on glucuronide conjugation of drugs (animals)
- P15AI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
- RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- RO1AM-12413-07 Purine metabolism in gout (human, birds)
- RO1AM-13129-07 Pituitary adipokinetic substances (mammals, human)
- RO1AM-14145-05 Pharmacology of renal tubular excretory transport (chicken)
- RO1AM-14283-05 Physiological role of thyroxine binding proteins (human, rats)
- RO1AM-15391-04 Cooperative studies in rheumatoid arthritis (human)
- RO1AM-15810-03 Studies of thyroid hormone metabolism (human)
- RO1AM-15986-03 0005 Cirrhosis, ascites and the hepatic circulation - Gastric back diffusion (dogs, frogs)
- ** RO1AM-16082-03 Pharmacology of salicylates and hepatic function (cattle, rabbits)
- RO1AM-16497-02 0016 Normal and disordered thyroid hormone economy - Cellular proteins that bind thyroid hormones (human, rats)
- RO1AM-16497-02 0022 Normal and disordered thyroid hormone economy - Peripheral conversion of T4 to T3 in man
- P17AM-17328-01 0014 Peptic ulcer center - Diagnosis, treatment and prevention of peptic ulcer (human)
- P17AM-17702-01 0011 Hepatitis cirrhosis center - Hepatic disposition of drugs and other xenobiotics (rats)
- PO2CA-12197-03 0014 Multidisciplinary oncology research center - Metabolic and functional capabilities of leukocytes (human)

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- P02CA-12197-03 0026 Multidisciplinary oncology research center 2 Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
- R01CA-14360-02 Immunosuppressant effects of sedative hypnotic drugs
- R01DE-03327-03 Drug movement into saliva (rats)
- ** P10ES-00159-09 0015 Center for study of the human environment - Salicylic acid (rats)
- R01FD-00480-01 Sorption methods in the treatment of child poisoning
- P11GM-12675-10 0050 Biochemical toxicology and pharmacology - Glucuronide formation-Morphine and P-nitrophenol (human, cat, rodents)
- R01GM-14276-10 Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs)
- P11GM-15477-08 0106 Drug metabolism and biochemical pharmacology - Kinetics of the penetration of drug into brain (rats)
- P11GM-15759-08 0031 Clinical pharmacology in rheumatic and muscular diseases - Oxonate inhibition of uricase in rats-Experimental model for gouty nephropathy
- P11GM-15956-07 0063 Factors affecting the responses to drugs - Effects of endotoxin on drug absorption (mammals)
- P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)
- ** P01GM-16496-06 0015 Clinical pharmacology-Pharmacokinetics - Renal metabolism of drugs (monkeys)
- P01GM-16496-06 0019 Clinical pharmacology-Pharmacokinetics - Saliva studies in uremic subjects
- P01GM-16496-06 0020 Clinical pharmacology-Pharmacokinetics - Gastrointestinal absorption studies (primates)
- ** P01GM-16934-06 0014 Sulfonamides and carbonic anhydrase-Basis for therapy - Salicylate intoxication-Treatment by benzolamide (mice)
- R01GM-19275-03 Studies of warfarin-drug interactions (human, dogs)
- R01GM-21226-14 Oxidations in mitochondria and microsomes (bacteria, mammals, spinach)
- R01GM-21248-01 0002 New applications of mass spectrometry in pharmacology - Analysis of intact glucuronides (rabbits, rats)
- P01HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)
- R01HD-07240-05 Fetal effects of sulfoconjugation in pregnant rats
- N01HD-32719-02 Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs)
- R01HL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)
- ** R01HL-12231-06 Intracellular response to acid-base changes (dogs, rats)
- P17HL-14230-04 0054 Lipids, atherosclerosis and thrombosis - Hypolipidemia in hypercholesterolemic patients
- R01HL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, monkeys)
- R01HL-15782-01 Mucopolysaccharide metabolism in cardiac anomalies (rats)
- R01HL-16443-01 Plasma inhibitor of pro fibrinolysis activation
- P01NS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
- P01NS-04553-10 0008 Neuropharmacology and neurochemistry program research - Electrolyte and acid-base metabolism (rats)
- P01NS-09704-04 0033 Developmental neurology - Cerebral solute transport and blood-brain barriers
- ** P01NS-09889-04 0015 Investigation of agents which damage the ear - Multi-unit recording related research (cats, guinea pigs)
- R01NS-09987-03 Ototoxicity of diuretic-antibiotic combinations (guinea pigs)
- R01NS-10485-03 Local anesthetics, nerves and bilayers
- M01RR-00102-11 0007 General clinical research center - Rheumatic fever (human)
- M01RR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man
- ** M01RR-00628-04 0027 General clinical research center for children - Salicylate elimination kinetics
- M01RR-00628-04 0033 General clinical research center for children - Pharmacokinetics of tetracycline
- M01RR-00633-02 0046 General clinical research center - Modification of barrier function in exfoliating skin disease (human)
- M01RR-00833-01 0033 General clinical research center - Rheumatoid arthritis (human)
- ** M01RR-00865-01 0002 General clinical research center - Metabolism of salicylate in rheumatoid arthritis (human)
- M01RR-00865-01 0039 General clinical research center - Pharmacologic studies in antimicrobial therapy (human)
- PHENYL CARBOXYLATES, SALICYLATES, ACETYL-**
- R01AI-09651-04 Leukocyte chemotaxis (human, rodents)
- P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
- R01AI-12148-01 Platelet function in asthma (human)
- R01AI-12236-01 Dopamine excretion in differential diagnosis of asthma (human)
- P01AM-01431-18 0006 Rheumatic diseases - Clinical pharmacology
- P02AM-05577-13 0020 Clinical research unit in rheumatic diseases - New rheumatoid arthritis therapeutic agents (human)
- R01AM-07578-13 Ultrastructure and function of the gastric mucosa (mice)
- R01AM-08716-10 Damage and repair of gastric mucosal barrier (dogs)
- R01AM-15436-02 Vascular factor in acute gastric mucosal lesions (rats)
- R01AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
- R10CA-11796-05 Childrens cancer study group A
- R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- ** P10ES-00159-09 0015 Center for study of the human environment - Salicylic acid (rats)
- P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
- P01GM-09069-12 0097 Research in anesthesiology - Diarrhea prevention chelera by acetylsalicylic acid (cats)
- ** P01GM-09069-12 0100 Research in anesthesiology - Acetylsalicylic acid and cyclic AMP
- ** P01GM-09069-12 0101 Research in anesthesiology - Acetylsalicylic acid and cyclic AMP system in intestinal mucosa (cats)
- P01GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
- P01GM-14892-07 0002 The traumatized patient - Hematologic and rheologic changes in burns and hemorrhagic shock (human)
- P11GM-15431-08 0045 Research center for clinical pharmacology and drug toxicology - Prostaglandins and renal function (dogs)
- ** P11GM-15759-08 0016 Clinical pharmacology in rheumatic and muscular diseases - Effects of aspirin on serum concentrations of indomethacin (human)
- P11GM-15759-08 0017 Clinical pharmacology in rheumatic and muscular diseases - Clinical and laboratory study of gold preparations (human, rats)
- P11GM-15759-08 0018 Clinical pharmacology in rheumatic and muscular diseases - Effect of anti-inflammatory agents on acute and chronic inflammation in patients
- P11GM-15759-08 0019 Clinical pharmacology in rheumatic and muscular diseases - Anti-inflammatory effects of flumequine and trifluimide (human)
- ** P11GM-16216-06 0001 Toxicological problems of drugs (placental transfer, lactation) - Acetylsalicylic acid (human)
- P01GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
- P01GM-16593-06 0014 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hepatic pharmacodynamics of biliary contrast materials (dogs)
- R01GM-18979-03 Stable isotope ratios using submicrogram samples
- ** R01GM-19568-07 Pharmacokinetics and salicylate elimination in children
- R01GM-20228-01 Human analgesic assay with laboratory pain
- P11GM-20852-01 0007 Clinical pharmacokinetics and biopharmaceutics - Effect of disease on bioavailability of drugs-Hoestomy and colostomy (human)
- R01GM-20980-01 Thrombotic complication of catheter angiography (dogs)
- R01GM-21174-01 Solid state reactions in medicinal chemistry
- P01GM-21797-01 0002 The traumatized patient - Hematologic and rheologic changes (human, rats, dogs)
- M01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- M01HB-42973-00 Pathophysiology of sickling and host resistance to infection (human)
- ** M01HB-42976-01 Clinical trials of aspirin and dipyridamole (human)
- R01HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- ** R01HL-01612-28 Telangiectasia and aspirin intolerance in hemophilia (human)
- R01HL-02904-18 Determination of natural clotting factors (human)
- R01HL-08798-10 Cooperative study of drugs and coronary heart disease (men)
- R01HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
- R01HL-08889-10 Cooperative study of drugs and coronary heart disease (men)
- R01HL-08891-10 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10233-09 Cooperative study of drugs and coronary heart disease (human)
- ** R01HL-10353-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10441-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10446-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10641-08 Role of platelet lipids in arterial thrombosis (human)
- R01HL-10697-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10698-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10703-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10705-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-10707-09 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11040-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11047-08 Platelet preservation and physiology (human)
- R01HL-11063-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11115-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11116-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11312-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11322-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11369-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11370-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11372-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11373-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11374-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11375-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11376-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11377-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11380-08 Cooperative study of drugs and coronary heart disease (men)
- P01HL-11414-07 0004 Thrombosis and atherosclerosis program - Platelet function and nonthrombogenic surfaces (human)
- R01HL-11458-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11654-08 Cooperative study of drugs and coronary heart disease (human)
- R01HL-11655-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11660-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11661-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11663-08 Cooperative study of drugs and coronary heart disease (men)
- R01HL-11880-06 Total body irradiation and transplantation (human)
- R01HL-11898-07 Cooperative study of drugs and coronary heart disease
- R01HL-13036-04 Coronary thrombosis (human, dogs)
- R01HL-13466-04 Pulmonary platelets in shock, trauma and embolization
- R01HL-13754-04 Postoperative thromboembolism in surgical patients (human)
- P17HL-14182-04 0010 A special center of research in thrombosis - Vasoactive amines and the vascular response to pulmonary embolism (human)
- P17HL-14182-04 0013 A special center of research in thrombosis - Antithrombotic agents in coronary revascularization (human)
- P17HL-14182-04 0015 A special center of research in thrombosis - Intermediate syndrome of platelet dysfunction (human)
- P17HL-14217-04 0034 Specialized center of research in thrombosis - Platelet release reaction induced by inorganic ions (human)
- P17HL-14228-04 0004 Specialized center of research in thrombosis - Thrombus delineation by angiotomograms and radionuclides (human, dogs)
- ** R01HL-14282-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-14284-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-14285-02 Aspirin in cerebral ischemia-Joint study (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Distinguished significantly above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-14286-02 Aspirin in cerebral ischemia—Joint study (human)
- ** R01HL-14336-02 Aspirin in cerebral ischemic—Joint study (human)
- ** R01HL-14337-02 Aspirin in cerebral ischemia—Joint study (human)
- ** R01HL-14338-02 Aspirin in cerebral ischemia—Joint study (human)
- ** R01HL-14340-02 Central registry—Aspirin in cerebral ischemia (human)
- ** R01HL-14372-02 Aspirin in cerebral ischemia—Joint study (human)
- ** R01HL-14981-02 Aspirin in cerebral ischemia—Joint study (human)
- P18HL-15157-03 0012 Comprehensive sickle cell disease center - Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human)
- P18HL-15170-03 0024 Comprehensive sickle cell disease center - Coagulation abnormalities (human)
- R01HL-15374-03 Cooperative study of drugs and coronary heart disease (human)
- R01HL-15382-03 Cooperative study of drugs and coronary heart disease (men)
- R01HL-15916-02 Vasoactive agents as mediators of endotoxin shock (human, mammals)
- R01HL-16290-01 Intimal fibroplasia after arterial reconstructions (dogs)
- R01HL-16389-01 Development of prosthetic heart valves for children (monkeys, dogs)
- R01HL-16437-01 Drug treatment of atherosclerosis (rabbits, monkeys)
- R01HL-16938-01 Effect of physical forces on blood (dogs, baboons, human)
- R01NS-00031-25 Physiology and pharmacology of brain stem (cats, rats)
- R01NS-12033-01 Behavior and physiological thermoregulation (rats)
- ** M01RR-00053-13 0007 Clinical research center - Influence of aspirin on cortisol metabolism (human)
- ** M01RR-00059-13 0099 General clinical research center - Effect of morphine—Effect of aspirin (human)
- ** M01RR-00096-14 0062 Clinical research center - Long acting aspirin preparation for arthritis (human)
- ** M01RR-00336-08 0059 General clinical research center - Fenoprofen calcium aspirin, and gold therapy in rheumatoid arthritis (human)
- M01RR-00847-01 0008 Clinical research centers - Steroid therapy in man
- ** M01RR-00847-01 0026 Clinical research centers - Evaluation of aspirin therapy for transient cerebral ischemic events (human)

PHENYL CARBOXYLATES, SALICYLATES, P-AMINO-

- R01A-06578-10 Therapy of isoniazid resistant mycobacterioses (human)
- ** R26CA-14927-02 Environmental bladder carcinogens (human)
- P11GM-15559-07 0039 Clinical pharmacology - Pharmacokinetics and biopharmaceutics (human)
- P01GM-17184-05 0002 Hereditary variations in man which modify drug toxicity - Human variation in isoniazid acetylation (rabbits, human)
- P17HL-14237-04 0006 Arteriosclerosis center - Drug treatment of familial hyperbetaipoproteinemia (human)
- ** M01RR-00059-13 0108 General clinical research center - Para-aminosalicylic acid as a hypolipoproteinemic agent (human)
- ** M01RR-00229-09 0054 General clinical research center - Effect of para-aminosalicylic acid on serum lipids (human)

PHENYL CARBOXYLATES, TEREPHTHALIC ACID

- SEE ALSO PLASTICS, POLYETHYLENE TEREPHTHALATES
- ** R01AM-02131-17 0009 Trace lipids in cell function - Di-2-ethylhexyl phthalate (cattle, rats)
- R01DE-02944-06 Structure and toxicogenic activities of dental compounds (mice)

2-PHENYL CHROMONES

SEE FLAVONES

PHENYL CYCLOHEXYL PIPERIDINE

SEE PIPERIDINES, PHENCYCLIDINE

PHENYLENEDIAMINES

SEE PHENYLAMINES, PHENYLENEDIAMINES

PHENYLEPHRINE

SEE PHENOLIC AMINES, NEOSYNEPHRINE

PHENYLETHANOL

SEE PHENYLALKANOLS, PHENYLETHANOL

PHENYLETHYLAMINES

SEE PHENYLALKYLAMINES, PHENETHYLAMINES (GENERAL)

PHENYLETHYL BIGUANIDE

SEE GUANIDINES, BIGUANIDES, PHENETHYL BIGUANIDE

PHENYLETHYLENES, 1,2-BIS-

SEE STILBENES

PHENYLHYDRAZINES

SEE AZO COMPOUNDS, HYDRAZINES, PHENYLHYDRAZINES

PHENYLKETONURIA

SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, PHENYLKETONURIA

PHENYL METHYLAMINES

SEE PHENYLALKYLAMINES, BENZYLAMINES

PHENYLPROPANE-PHENYLPROPANE FUSION PRODUCTS

SEE PLANTS EXTRACTS, LIGNANS

PHENYLPIRUVIC ACID

P01GM-15253-08 0013 Genetics in medicine—Gene action in man - Polymorphism in the CNS (human, macacca, mice)

PHENYLPIRUVIC OLIGOPHRENIA

SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, PHENYLKETONURIA

2-PHENYLQUINOLINE-4-CARBOXYLIC ACID

SEE QUINOLINE CARBOXYLIC ACIDS, CINCHOPHEN

PHENYLSULFONAMIDES

SEE SULFONAMIDES, PHENYLSULFONAMIDES

PHEOCHROMOCYTOMA

SEE NERVOUS NEOPLASMS, PARAGANGLIA NEOPLASMS, PHEOCHROMOCYTOMA

PHEROMONES

SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

PHILIPPINES

SEE GEOGRAPHICAL SITES, ASIA EASTERN, PHILIPPINES

PHILIPPINOS

SEE SOCIAL GROUPS, ETHNIC, ASIANS, FILIPINOS

PHLEBOGRAPHY (VENOGRAPHY) - GENERAL

SEE CARDIOVASCULAR VISUALIZATION, VENOGRAPHY (GENERAL)*

PHLEBOTOMY - BLOODLETTING

SEE BLOODLETTING

PHLEOMYCIN

SEE ANTIBIOTICS, PHLEOMYCIN

PHLORETIN

SEE PHENONES, PHLORETIN

PHLORHIZIN

SEE PHENONES, PHLORHIZIN

PHOBIA

SEE PSYCHOLOGY ABNORMAL, NEUROSIS, PHOBIAS

PHONETICS

SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

PHONOANGIOGRAPHY

SEE CARDIOVASCULAR METHODS DIAGNOSTIC, SOUND MEASUREMENTS, VASCULAR*

PHONOCARDIOGRAPHY

SEE HEART EXAMINATIONS, HEART SOUND MEASUREMENTS*

PHONOGRAPHY*

** N01MB-44034-00 Monaural pressings of transcribed radio programs

PHORBOL

SEE LIPIDS, OILS, CROTON OIL

PHOSPHAMIDASE

SEE PHOSPHORUS-NITROGEN HYDROLASES, PHOSPHAMIDASE

PHOSPHATASE INHIBITORS

SEE ENZYME INHIBITORS, PHOSPHATASE INHIBITORS

PHOSPHATASES

SEE ALSO DECARBOXYLASES, PHOSPHOENOLPYRUVATE

CARBOXYLASE

SEE ALSO NUCLEOTIDASES

SEE ALSO PHOSPHODIESTERASES

SEE ALSO PHOSPHOMONOESTERASES

R01AM-08873-10 Enzymic responses to altered endocrine states (rats, bacteria)

R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)

R01AM-12842-06 Regulatory enzymes of glycogen metabolism (rabbits, rats)

R01AM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli)

** R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)

P17AM-17042-01 0007 Diabetes endocrinology research center - Hormonal control of protein kinase phosphorylation (rabbits)

R01AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)

R01AM-17776-01 Phosphopeptide metabolism in adipocytes (rats)

R01AM-18092-01 Action of insulin on enzymes of adipose tissue (rats)

R01CA-02478-20 Chemotherapy of cancer—Experimental and clinical

P02CA-08341-09 0043 Clinical pharmacology and cancer chemotherapy - Thiopurine resistance

R26CA-14905-02 Glycoprotein metabolism in colonic neoplasia (human, rats)

R01CA-15062-01 Normal and cancerous prostate (human, rats)

** P01DE-01945-11 0003 Ultrastructure of hard tissue - Dental studies (human, rats)

P13DE-02668-08 0010 Dental research center - Mineral metabolism (mollusks)

R01ES-00412-06 0014 Mechanisms of insecticide resistance - Toxicity of herbicides (fish)

R01ES-00769-09 Toxicity studies with a chelating agent (rats)

R01GM-04712-18 Mechanism of enzyme action

R01GM-06590-15 Biochemistry of alpha-keto acid dehydrogenase complexes (E coli, rats, cattle)

R01GM-10935-12 Lipid aberrations in mutant strains of neurospora

R01GM-12422-10 Inositol metabolism (plants, algae)

P11GM-15477-08 0005 Drug metabolism and biochemical pharmacology - Metabolism of cyclophosphamide and separation of metabolites (rats, mice)

P11GM-15477-08 0006 Drug metabolism and biochemical pharmacology - Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice)

R01GM-19875-02 Enzymes of 2,3-diphosphoglycerate metabolism (human, rabbits, yeast)

R01GM-20371-01 Regulatory processes affecting enzyme activity (bacteriophage, chick)

P01GM-21054-01 0007 Human genetics center - Biochemical evolution of functionally related enzymes

R01GM-21080-01 Defective protein synthesis by modified ribosomes (bacteria)

P01HD-04147-06 0021 Research in mental retardation - Pelizaeus-Merzbacher disease (human)

R01HD-04667-05 Computer analysis of differentiation (fungi)

** P01HD-05969-03 0002 Events that control fertilization - Protein phosphorylations as control mechanism in sperm (monkeys, cattle)

R01HD-06007-03 Metabolism of myoinositol during development (rats)

R01HL-03444-16 0006 Alterations of arterial tissue in atherosclerosis - Enzyme histochemistry of normal and atherosclerotic aorta (dogs)

R01HL-15764-01 C-AMP dependent protein kinase in cardiac contraction

R23HL-17175-01 Prostaglandins and shock lung (dogs)

R01NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)

R01NS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)

R01NS-10287-19 Metabolism of serine and related compounds (rats, swine)

** M01RR-00030-13 0110 General clinical research center - The p-nitrophenylphosphatase activity of denervated human muscle

R01AM-01855-20 N-acyl, N-carbamyl amino acid metabolism (human, cattle)

R01GM-16564-06 Enzymatic and nonenzymatic reactions of acyl phosphates

R01GM-16974-05 Sulfenic acids as enzyme functional group (pseudomonas)

PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

SEE ALSO BLOOD COAGULATION, THROMBOSTHENIN

SEE ALSO MUSCLE PROTEINS, MYOSIN

R01AA-00975-01 A physico-chemical study of ethanol activity (mice)

R01AI-02443-16 Oxidative phosphorylation and membrane structure (bacteria)

R01AI-03568-13 Transport and metabolism of inorganic electrolytes (bacteria)

R01AI-04865-12 Inorganic nitrogen metabolism (bacteria)

R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes

R01AI-09844-04 Molecular organization of bacterial membranes

R01AM-00668-20 Calcium and phosphate transport (rats)

** R01AM-01483-18 Transport of calcium (human, hamsters, rats)

R01AM-02306-16 Ionic interactions in electrolyte metabolism (toads)

R01AM-02647-18 Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits)

R01AM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)

R01AM-05427-13 Biochemistry of the adrenal medulla (cats, rabbits, guinea pigs)

R01AM-06165-10 Physical chemistry of contractile proteins (human, dogs, rabbits, fish)

** P01AM-07462-11 0060 Hormonal regulation of metabolism - Sodium and potassium ion-transport ATPase of guinea pig kidney

** R01AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
- RO1AM-10141-09 Mechanism of H and C1 transport of gastric mucosa (swine, frogs)
- RO1AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
- RO1AM-10913-08 Factors affecting renal physiology in the newborn (dogs, rats, rabbits, monkeys)
- RO1AM-11605-08 Endocrine influences in disease (rats)
- RO1AM-12201-08 Mitochondrial membrane and oxidative phosphorylation (cattle, yeasts)
- RO1AM-12484-06 Intestinal resection and mucosal carbohydrate metabolism (human, rats)
- RO1AM-12950-06 Electron microscopic studies of parietal cells (rats)
- RO1AM-13351-07 NMR studies of enzyme-metal-substrate interactions
- RO1AM-13455-05 Sweat gland defect in pancreatic fibrosis (human, reptiles, birds)
- ** RO1AM-13601-03 Na-K-ATPase and renal tubular transport of sodium (rats, dogs)
- RO1AM-13682-15 Metabolism of erythrocyte stroma (human, mice)
- RO1AM-14264-05 Cation transport in erythrocytes and the kidney (rats)
- ** RO1AM-14571-04 Enzymatic mediation of intestinal calcium transport (dogs, rats)
- RO1AM-14686-04 Intestinal calcium transport (human, rats)
- RO1AM-14696-03 Organ preservation (dogs)
- RO1AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
- RO1AM-15534-02 Prostaglandin and calcium interactions on sodium transport (anurans)
- RO1AM-15604-03 Functional studies of cystic disease of the kidneys (rats, rabbits)
- ** RO1AM-15878-02 Enzymic basis of acid secretion (mammals)
- RO1AM-16196-03 Cation transport in erythrocytes (sheep, goats)
- RO1AM-16275-02 Ion transport by mammalian small intestine (rabbits)
- PO1AM-16281-02 0007 Uremia-pathogenesis, effects, and possible prevention - Natriuretic factor in uremic serum (rabbits, frogs, rats, dogs)
- ** RO1AM-16366-01 Binding sites on the mitochondrial ATPase (cattle)
- RO1AM-16436-01 Red blood cell calcium in health and disease (human)
- RO1AM-16483-01 Purification of active fragments of the sodium pump
- RO1AM-16638-02 Studies of uremia and exchanges of ions and water
- PO1AM-16716-01 0010 Pathophysiological bases of muscle diseases - AChE, membrane enzymes and trophic effects of nerves (chickens, mammals, human)
- RO1AM-16736-01 Myosin ATPase mechanism and energy transduction (rabbits, swine)
- RO1AM-16821-01 Biochemical studies of rod cell membranes (human)
- RO1AM-16922-02 Structure and function of sarcoplasmic reticulum (rabbits)
- RO1AM-16928-01 Renal transport mechanisms
- ** P17AM-17026-01 0025 Vanderbilt University Diabetes-Endocrinology Center - Mechanism of sodium-potassium ion transport ATPase (guinea pigs)
- PO1AM-17040-01 0006 The basic defect in cystic fibrosis - Surface membranes and enzymes (human)
- RO1AM-17153-01 Mechanisms of bile secretion - Role of sodium transport
- RO1AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)
- RO1AM-17326-02 Studies of pituitary hormone secretion and synthesis
- RO1AM-17414-01 Molecular aspects of NA-coupled transport
- ** PO1AM-17433-01 0006 Cardiovascular, metabolic aspects of membrane transport - Potassium excretion in renal insufficiency (rats)
- PO1AM-17433-01 0014 Cardiovascular, metabolic aspects of membrane transport - Erythrocyte transport defect in cancer (human)
- PO1AM-17433-01 0016 Cardiovascular, metabolic aspects of membrane transport - Cation transport mechanisms in normal and abnormal cell (human, goat, sheep, dog)
- PO1AM-17433-01 0018 Cardiovascular, metabolic aspects of membrane transport - Membrane transport mutants of somatic cells (human, mice)
- RO1AM-17476-01 Physiologic regulation of lipid metabolism (rats)
- RO1AM-17483-01 Rapid kinetic studies of myosin adenosinetriphosphatase (rabbit)
- RO1AM-17571-01 Molecular mechanism of active transport
- RO1CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
- RO1CA-06734-12 Mechanisms of solute transport in animal cells (rats)
- PO1CA-06927-12 0026 Biological and biochemical program in cancer research - Influence of nutrition upon aging (rats)
- RO1CA-08725-06 Effect of leukemia viruses on hematopoiesis
- RO1CA-10951-06 Control of enzymatic phosphate transfer in mitochondria (rats)
- RO1CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- R10CA-12046-04 Acute leukemia group B
- RO1CA-12503-04 Neoplastic growth and cell cycle control (mice)
- RO1CA-12540-03 Electro-optic instrumentation and applications in biology
- RO1CA-12586-02 Lymphocyte metabolism and therapy of viral leukemia
- RO1CA-12607-03 Mechanisms of cytoplasmic division (bacteria, toads)
- RO1CA-12790-03 Substrate transport in human leukocytes
- ** RO1CA-13041-02 Lymphocyte metabolism in cancer patients
- P02CA-13148-03 0025 Pilot cancer center - Electrical potentials in gastric carcinoma (rabbits, human, guinea pigs, dogs)
- RO1CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
- RO1CA-15997-01 Spin-labeling receptors on normal and malignant cells
- RO1DE-02241-09 Analysis of some functions of the enamel organ (rats)
- P13DE-02600-08 0009 Planning of a research center in oral biology - Ion transport in salivary glands (dogs, rabbits)
- RO1DE-02774-07 Tissue interaction in dental development (mice)
- RO1DE-04081-01 Intracellular calcium metabolism in salivary glands
- PI0ES-00210-07 0029 Center for environmental management - Biochemical effects of chlorinated bisphenols (rats)
- ** RO1ES-00412-06 0003 Mechanisms of insecticide resistance - ATPase (fish)
- RO1ES-00833-02 Biochemical studies on CNS teratogenesis by mercury (rats)
- RO1ES-00838-02 Purification and properties of ochratoxin A
- ** RO1ES-00885-01 Effect of insecticides on cation transport and ATPase (human, animals)
- RO1EY-00237-13 Physiologic studies of intraocular pressure (rabbits)
- RO1EY-00699-04 Intermediary metabolism of the cornea (rabbits)
- RO1EY-00932-02 Molecular organization in rod outer-segment membranes (cattle)
- RO1FD-00120-09 Algal intoxication in shellfish (mollusks, dinoflagellates)
- RO1FD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
- ** RO1GM-05810-15 Structure and function of bacterial membrane ATPase (bacteria)
- RO1GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
- RO1GM-10017-12 Chemical forces stabilizing protein structure (yeasts, plants, mammals)
- ** RO1GM-11094-12 Enzymic phosphorylations and related mechanisms (bacteria)
- RO1GM-11494-11 Ion transport in tissues of hibernating mammals
- RO1GM-13292-10 Kinetics of physiologically important reactions (rabbits, bacteria, cattle)
- RO1GM-14479-08 Membrane-associated phosphorylation (spinach)
- ** RO1GM-14628-09 Phospholipid bilayer membranes (bacteria, mammals non-human)
- P11GM-15559-07 0033 Clinical pharmacology - Drugs at the cellular and sub-cellular level (rats)
- RO1GM-15761-06 Genetic study of ion transport in Neurospora
- RO1GM-15884-09 Genetic modification of mitochondria
- PO1GM-15904-07 0002 Anesthesiology center for research and teaching - Anesthetics and non-enzyme proteins, polypeptides and cellular components
- RO1GM-15971-07 Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganism)
- RO1GM-16289-06 Genetic adaptation (yeasts)
- RO1GM-16320-06 Biogenesis of mitochondria (yeast)
- PO1GM-16593-06 0017 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the toad bladder
- RO1GM-17773-04 Membrane formation in cytodifferentiation (rat pancreas)
- RO1GM-18152-04 Mechanism of alkali cation transport
- ** RO1GM-18697-03 Lipid-protein interaction studies on model membranes (bacteria)
- RO1GM-18858-03 Lipids and control of mitochondrial biogenesis (yeast)
- RO1GM-18921-03 Phospholipid-protein interactions and membrane function
- RO1GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
- RO1GM-19269-03 Membrane interactions in energy-linked reactions (bacteria)
- ** RO1GM-19388-03 Chemical and immunological studies of membrane ATPase (Bacillus megaterium)
- RO1GM-21423-01 Transport activity during lymphocyte stimulation (mice)
- PO1HD-02274-08 0005 Mental retardation and child development - Developmental biochemistry (human, animals, yeasts)
- PO1HD-02274-08 0152 Mental retardation and child development - Enzyme studies on epileptic models
- RO1HD-03402-07 In vitro fertilization of mammalian eggs (rodents, rabbits, monkeys)
- RO1HD-05093-12 Ion transport during development of Rana pipiens eggs
- RO1HD-05572-03 Renal functional correlates of normal pregnancy (rats)
- PO1HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
- PO1HD-06274-03 0001 Reproductive biology - Metabolic enzyme pathways in spermatozoa (monkeys, rabbits, hamsters, human)
- PO1HD-06364-03 0002 Meternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- RO1HD-06565-07 Structural basis of spermatozoan motility (sea urchins, cattle)
- RO1HD-06908-02 Membrane changes in mammalian spermatozoa (rabbits)
- RO1HD-07340-01 Membranogenesis in cretinism and hyperthyroidism
- RO1HD-07375-02 Molecular basis of neuromuscular development (nematodes)
- NO1HD-02849-00 Isolation of gonadal cell membranes and gonadotropin binding sites
- ** RO1HL-01974-20 Ion-pump in the erythrocyte (rabbits, guinea pigs)
- RO1HL-02875-16 Mechanism of the action of cardiac glycosides (dogs)
- RO1HL-03290-17 Controls of cardiac and vascular smooth muscles
- ** RO1HL-03444-16 0012 Alterations of arterial tissue in atherosclerosis - Quantitative biochemical methods of enzymes (human, dogs, rabbits)
- RO1HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
- PO1HL-06285-14 0174 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle - Myosin light chains
- PO1HL-06285-14 0177 Cardiovascular-respiratory physiology and biochemistry - Calcium transport in sarcoplasmic membranes (dogs, rabbits)
- RO1HL-06642-11 Tritiated digoxin (human, rabbits, dogs)
- PO1HL-06664-13 0021 Cardiopulmonary function in remediable vascular disease - Cardiac glycoside binding to normal ischemic myocardium (human, animal)
- RO1HL-07181-12 Hemostasis (swine)
- RO1HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)
- ** PO1HL-08805-10 0010 Cardiovascular and pulmonary performance - Energy metabolism in heart - Mechanisms of regulation (mammals)
- RO1HL-08893-10 Interactions between biological macromolecules (human, rats)
- RO1HL-09234-10 Amino acids of contractile proteins of failing hearts (dogs, hamsters)
- RO1HL-09544-09 Biochemistry of contractile proteins (animals)
- RO1HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- RO1HL-10884-08 Cardiac glycosides - Mechanisms of cellular action (human, animals)
- RO1HL-11155-08 Conduction in the myocardium (animals)
- PO1HL-12157-07 0027 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes - Active Na and K transport (guinea pigs)
- RO1HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- RO1HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)
- RO1HL-12521-06 Mechanisms of arterial damage in hypertension (rabbits)
- RO1HL-12978-05 Sarcoplasmic reticulum ultrastructure and function (rabbits, chickens, lobsters)
- ** RO1HL-13003-05 Assembly of membranes in heart and yeast mitochondria
- RO1HL-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
- RO1HL-13193-05 Pathophysiology of post-traumatic and shock states (dogs, rats)
- RO1HL-13296-04 Blood platelets membranes, aggregation and adhesion (humans)
- RO1HL-13317-04 Cellular mechanisms in cardiac hypertrophy (rabbits, calves)
- RO1HL-13647-03 Mechanisms controlling renal reabsorption of sodium (rats, neoturus)
- PO1HL-13737-04 0031 Assisted circulation - Myocardial ischemia - Biochemical changes (dogs, rats)
- RO1HL-13870-04 Control of myocardial sarcotubular calcium stores (dogs)
- P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding (cattle)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-14212-04 0006 Correlated studies of pulmonary disease 2 Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
- P17HL-14217-04 0016 Specialized center of research in thrombosis - Effects of adrenochrome complex on CaMg-activated ATPase of platelets
- RO1HL-14325-03 Digitalis effects-Mechanism and reversal studies (human, animals)
- RO1HL-14483-04 Ion transport and oxidative phosphorylation (cattle)
- RO1HL-14521-04 Membrane structure and behavior in erythrocytes (human, cattle)
- RO1HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
- RO1HL-14547-06 Contractile proteins of muscle (cats, swine)
- RO1HL-14623-02 Multiphase chemistry of human heart muscle (and dogs)
- RO1HL-15048-02 Contractile system of human blood platelets (and rabbits)
- RO1HL-15054-03 Genetic control of heart differentiation (salamanders)
- RO1HL-15393-01 Structure and function of sarcoplasmic reticulum
- RO1HL-15462-02 Z-discs from heart and skeletal muscle (human, animal)
- RO1HL-15498-02 Effects of physical training on heart (rats)
- RO1HL-15571-02 Water and electrolytes in health and disease (human, rats, fish)
- RO1HL-15692-02 Control of force development in heart and muscle (frogs)
- RO1HL-15793-02 Molecular aspects of erythrocyte membrane resealing (animals)
- RO1HL-15829-01 Regulation of vascular smooth muscle contractility
- RO1HL-16052-01 Cardiac glycosides-Mechanism of inotropic action (dogs, sheep)
- ** RO1HL-16055-01 Cardiovascular drugs and the NaOKO-ATPase (rats, guinea pigs)
- RO1HL-16082-01 Tension regulation in heart and skeletal muscle
- RO1HL-16190-01 Effects of prostaglandins on human erythrocytes
- RO1HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
- R13HL-16323-01 Properties and functions of NaO, KO-ATPase
- RO1HL-16596-01 Structure and function of cardiac myosin (dogs, human)
- M PO1HL-16607-01 Calcium ion and control of cardiovascular function
- PO1HL-16607-01 0001 Calcium ion and control of cardiovascular function - Electrical and chemical control of calcium fluxes through model membrane systems
- PO1HL-16607-01 0002 Calcium ion and control of cardiovascular function - Structure and function in sarcoplasmic membranes
- ** PO1HL-16607-01 0003 Calcium ion and control of cardiovascular function - Calcium transport in sarcoplasmic membranes (animals)
- ** PO1HL-16607-01 0005 Calcium ion and control of cardiovascular function - Chemical modifications of the sarcoplasmic reticulum ATPase
- RO1HL-16611-01 Digitalis-receptor of the heart
- RO1HL-16778-01 Cardiac pharmacology of phenothiazine metabolites
- PO1HL-16851-01 0007 Human red cell membrane in health and disease - Transport across erythrocyte membrane components
- R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
- NO1HV-12493-04 Myocardial repair (mammals nonhuman)
- RO1MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
- ** RO1MH-25116-01 MAO, DBH and ATPase in psychosis (human)
- RO1MH-25433-01 Electrolyte transport systems in affective illness (rabbits)
- ** RO1NS-04064-12 Amino acids and protein in brain structure and function (animals)
- RO1NS-04928-10 Cerebral metabolism during repetitive seizures (primates)
- ** RO1NS-05424-10 Energy-utilizing process in the CNS (guinea pigs)
- RO1NS-05430-09 Changes in brain microsomal structure and composition (rats, rabbits, fish)
- RO1NS-05910-08 Cell physiology correlated with ultrastructure (crayfish)
- RO1NS-06610-08 In vitro biology of brain cellular species (rats, mice)
- RO1NS-07587-07 Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs)
- RO1NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
- RO1NS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
- ** RO1NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
- RO1NS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
- PO1NS-10175-03 0024 Neuromuscular disease research center - Myotonia-calcium content and uptake by SR (goats)
- PO1NS-10299-03 0015 Biophysical and biochemical studies of cellular membranes - Position sensitive proportional counter system for x-ray diffraction
- RO1NS-10326-02 Cytochemical investigations of adrenergic neurons (monkeys, rats)
- RO1NS-10366-03 Mechanism of formation of cerebral cortical edema (primates)
- RO1NS-10403-08 Studies of clinically early childhood dystrophy (human, guinea pigs)
- RO1NS-10429-03 Microtubule protein in the developing nervous system (chickens)
- ** RO1NS-10722-01 Calcium transport in the sarcoplasmic reticulum (rabbits)
- ** RO1NS-11190-01 Histochemical studies of neural influences (rabbits)
- RO1NS-11223-02 Regulation of ionic specificity of the sodium pump (squid)
- RO1NS-11239-02 Mechanism of neuromuscular flow (cattle)
- ** RO1NS-11252-01 Function of a brain calcium-binding protein (rats, mice)
- RO1NS-11362-01 The epilepsies-Na and K pump within brain synapses (cats)
- PO1NS-11631-01 0067 Clinical center for research on Parkinson's and allied diseases - Proteins in the synaptosomes of the rat brain
- RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
- ** RO1NS-11824-01 Amino acids and protein in brain structure and function (animals)
- PO1RR-00711-02 0002 High frequency NMR biotechnology resource - Structural changes in subunit-ligand interactions of allosteric proteins
- PHOSPHATASES, CARBAMYL PHOSPHATE HYDROLASES**
- RO1AM-01855-20 N-acyl, N-carbamyl amino acid metabolism (human, cattle)
- PHOSPHATASES, NUCLEOSIDE DIPHOSPHATASE**
- PO1NS-07512-06 0027 Neuronal development, interaction and organization - Influence of thyroid hormones on CNS development (frogs)
- PHOSPHATASES, POLYPHOSPHATASE**
- ** RO1AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
- PHOSPHATASES, PYROPHOSPHATASE**
- RO1AM-07266-11 Activation and inhibition in calcification (rats)
- RO1AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
- ** RO1AM-13212-06 Pyrophosphatase mechanism-Affinity labels (yeast, E cell, rabbits, human)
- RO1AM-16061-03 Theoretical and therapeutic aspects of calcification (human)
- R26CA-14905-02 Glycoprotein metabolism in colonic neoplasia (human, rats)
- RO1ES-00404-06 Carbon monoxide and cultured heart cells (rats)
- RO1GM-19269-03 Membrane interactions in energy-linked reactions (bacteria)
- RO1HL-15965-02 Experimental atherosclerosis and elastin metabolism (chickens)
- PHOSPHATASES, TRIMETAPHOSPHATASE**
- RO1AI-09416-05 Modes of action of bactericidal cationic proteins (guinea pigs, rabbits)
- PHOSPHATE DIABETES**
- SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
- PHOSPHATES**
- SEE ALSO CALCIUM PHOSPHATES
SEE ALSO CARBAMYL PHOSPHATE
SEE ALSO CARBOHYDRATES, SUGAR PHOSPHATES
SEE ALSO NUCLEOTIDES
SEE ALSO THIOPHOSPHATES
- RO1AI-03242-13 0002 Genetics, structure, and function of bacterial pili - Sex pilus properties (bacteria)
- ** RO1AM-00668-20 Calcium and phosphate transport (rats)
- ** PO2AM-05577-13 0019 Clinical research unit in rheumatic diseases - Phosphate supplements and calcium balance of steroid-treated patients
- RO1AM-06205-13 Parathyroid and bone metabolism (rats)
- RO1AM-07266-11 Activation and inhibition in calcification (rats)
- RO1AM-07867-11 Hormonal regulation of cellular calcium metabolism (human, rats)
- RO1AM-08588-10 Osteoporosis and metabolic bone disorders (human, animals)
- PO1AM-09650-10 0013 Hormonal and ionic control of metabolism - Vitamin D metabolism in man
- RO1AM-11528-07 Control mechanisms of biological calcification (rats, human)
- RO1AM-11674-08 0004 Bone metabolism in chronic disorders - Phosphate and bone (rats)
- ** RO1AM-11702-06 Phosphate reaction mechanisms of biochemical interest
- RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- ** R22AM-13066-06 Bladder stone disease in Thailand (human)
- ** RO1AM-13415-06 Biological transport of ions (dogs)
- RO1AM-14717-04 Relationship of thyrocalcitonin to bone phosphate (rats, mice)
- RO1AM-15162-03 Factors affecting renal lithium elimination (human, rats)
- RO1AM-15346-03 Development of mineralized tissues (rats)
- PO1AM-15512-03 0005 University of Wisconsin program project in nephrology - Renal pharmacology (dogs)
- PO1AM-16281-02 0001 Uremia-pathogenesis, effects, and possible prevention - Patterns of sodium excretion with proportional reduction of sodium (dogs)
- PO1AM-16281-02 0009 Uremia-pathogenesis, effects, and possible prevention - Prevention of secondary hyperparathyroidism (human)
- ** PO1AM-16281-02 0010 Uremia-pathogenesis, effects, and possible prevention - Sensitivity of phosphorus control in advancing renal disease (rats, dogs)
- RO1AM-16319-01 Stimulation of gluconeogenesis from some trioses by glucagon (rats)
- ** RO1AM-16435-01 Phosphate transport in remnant kidney of the dog
- ** RO1AM-16539-02 Regulation of phosphate transport in toad bladder
- RO1AM-16550-01 Secretion of calcitonin (organ culture)
- RO1AM-16538-02 Studies of uremia and exchanges of ions and water
- RO1AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
- RO1AM-17169-01 Dietary factors in the etiology of osteoporosis (mice, rats)
- RO1AM-17575-01 Anionic transport in proximal tubule
- RO1AM-18063-01 Parathyroid and bone metabolism (rats)
- RO1CA-02478-20 Chemotherapy of cancer-Experimental and clinical
- ** PO2CA-05826-13 0054 Clinical cancer research center - Oral phosphate administration for altered calcium metabolism (human)
- ** PO1CA-08748-09 5609 Research program of Sloan-Kettering Institute - Phosphate treatment on calcium metabolism in hyperparathyroidism (human)
- ** PO1CA-08748-09 5637 Research program of Sloan-Kettering Institute - Effect of oral phosphate on calcium metabolism in rats
- PO2CA-08832-08 0103 An integrated study of advanced malignant diseases - Acute lymphoblastic leukemia
- ** RO1CA-10917-06 Phosphate transport and metabolism in carcinoma cells (mice)
- PO1CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- RO1CA-13610-02 Control of the adenine nucleotides in ascites tumors
- RO1CA-13700-02 Parathyroid hormone and cancer (human)
- RO1DE-01830-12 Quantitation of enamel demineralization
- RO1DE-02183-10 Chemistry of enamel surface (human)
- RO1DE-02241-09 Analysis of some functions of the enamel organ (rats)
- RO1DE-02452-08 Acid production and dental plaque (human)
- PI3DE-02668-08 0018 Dental research center - POH: values at the subcellular and molecular levels
- PI3DE-02670-08 Institute of Dental Research
- PO1DE-02847-06 0016 Microbial ecology and its relation to dental disease - Ability of materials to modify bacterial adherence to oral surfaces (rats, human)
- RO1DE-03460-02 Electrochemistry of apatites in relevant chemicals
- RO1DE-03531-01 Stannous fluophosphate-Clinical and chemical characteristics
- ** RO1DE-03688-01 Rate of stannous fluophosphate formation on tooth mineral
- RO1DE-03796-03 Statolith differentiation in Aurelia (jellyfish)
- RO1DE-03916-01 Inhibitors of mineral formation in saliva and plaque (human)
- RO1ES-00634-03 Biochemistry of arsenate (plants)
- RO1GM-05919-16 0013 Enzymatic activities of mitochondria - Isolation and properties of matrix reticular protein (rats)
- RO1GM-13306-09 Phosphate activation mechanisms (Aspergillus oryzae)
- RO1GM-13498-09 Metal centers in biological systems
- RO1GM-13980-10 New methods of peptide synthesis
- PO1GM-14892-07 0010 The traumatized patient - Oxygen transport in the injured patient (dogs)
- RO1GM-15761-06 Genetic study of ion transport in Neurospora
- RO1GM-17913-04 New methodologies in bioanalytical chemistry
- ** PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOWERS)
- RO1GM-19807-02 0001 Membrane permeability as a regulatory element - Glycolytic control (plants, fungi)

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- R01GM-20543-01 Technetium orthophosphate for bone imaging (dog, swine)
- ** R01GM-21256-01 Mitochondrial phosphate carrier (beef heart)
- ** P01HD-04872-04 0003 Metabolism and aging - Bone quality in osteoporosis (human, rats)
- R01HL-02262-19 Mechanisms regulating plasma proteins and solutes (human, calves)
- R01HL-04868-14 Physiological studies on the isolated perfused kidney (rabbits)
- P01HL-10539-09 0044 Pathophysiology of circulation - Effect of calcium on hypoxic heart muscle
- R01HL-10781-08 Physiology of human heart lung bypass (dogs)
- R01HL-13164-04 Interaction of the alpha and beta chains of human hemoglobin
- R01HL-14075-03 Metabolism and intrarenal action of angiotensin II (dogs)
- R01HL-14483-04 Ion transport and oxidative phosphorylation (cattle)
- R01HL-16280-01 Regulation of respiratory function in nucleated red cell (fish, reptiles, birds)
- R01NS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
- R01OH-00472-01 Exposures of mixtures of airborne contaminants (guinea pigs)
- M01RR-00036-14 0137 General clinical research center - Insulin secretion and glucose tolerance in uremia (human)
- M01RR-00037-14 0132 General clinical research center - Renal function, growth and bone disease in children
- M01RR-00042-14 0021 General clinical research center - Long-term survival following renal transplantation (human)
- ** M01RR-00050-13 0061 Wilson's disease - Phosphate control system in renal insufficiency-Clinical study (human)
- M01RR-00051-13 0004 General clinical research center - Correction of Ca and PO₄ abnormalities in renal disease (human)
- M01RR-00051-13 0053 General clinical research center - Osteomalacia-Effect of Ca and PO₄ infusions (human)
- M01RR-00051-13 0056 General clinical research center - Regulation of Ca and phosphorus metabolism (human)
- M01RR-00060-13 0034 General clinical research center - Renal osteodystrophy in patients on hemodialysis
- ** M01RR-00082-12 0001 General clinical research center - Prevention of recurrent renal calculi by phosphates (human)
- M01RR-00125-11 0169 General clinical research center-adult-child - Intestinal phosphate transport in familial hypophosphatemic rickets
- M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)
- ** M01RR-00585-03 0009 General clinical research center - Therapeutic trials in metabolic bone disease (human)
- M01RR-00633-02 0010 General clinical research center - Treatment of steroid induced osteoporosis (human)
- ** M01RR-00633-02 0064 General clinical research center - Oral cellulose phosphate therapy in hypercalciuria (human)
- M01RR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation
- PHOSPHATES, ACRYL PHOSPHATES**
- P17AM-17026-01 0025 Vanderbilt University Diabetes-Endocrinology Center - Mechanism of sodium-potassium ion transport ATPase (guinea pigs)
- R01GM-10613-12 Enzymatic and non-enzymatic reactions of acetals
- ** R01GM-16564-06 Enzymatic and nonenzymatic reactions of acyl phosphates
- R01NS-03101-14 Phospholipids of the nervous system (animals)
- R01NS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)
- PHOSPHATES, ALKYL PHOSPHATES**
- R01AM-17323-02 Active site of creatine kinase from rabbit muscle
- PHOSPHATES, ALKYL PHOSPHATES, ETIDRONATE**
- ** M01RR-00030-13 0116 General clinical research center - Effect of disodium etidronate in diseases of ectopic calcification (human)
- M01RR-00042-14 0049 General clinical research center - Myositis ossificans progressive and other ectopic calcification disorders (human)
- M01RR-00044-14 0060 General clinical research center - Diseases of ectopic calcification (human)
- ** M01RR-00049-13 0046 General clinical research center - Use of disodium etidronate (human)
- M01RR-00079-12 0117 General clinical research center - Diphosphonates for Paget's disease, effect of EHDP on renal calculi (human)
- ** M01RR-00096-14 0054 Clinical research center - Therapy of Paget's disease of bone (human)
- M01RR-00109-11 0011 General clinical research center - Collagen metabolism in Ehlers-Danlos syndrome (human)
- ** M01RR-00261-09 0083 General clinical research center - Disodium etidronate and paget's disease
- ** M01RR-00633-02 0067 General clinical research center - Effect of disodium etidronate in chronic stone formers (human)
- ** M01RR-00750-02 0007 General clinical research center - Disodium etidronate in treatment of Paget's disease (human)
- ** M01RR-00865-01 0030 General clinical research center - Effect of disodium etidronate on Paget's disease of bone (human)
- PHOSPHATES, FLUOROPHOSPHATES**
- R01DE-02659-08 0002 Solubility and diffusion of calcium phosphates - Topical fluoridation of tooth enamel (human)
- ** R01DE-03532-01 Stannous fluophosphate-Clinical and chemical characteristics
- PHOSPHATES, FLUOROPHOSPHATES, DFP**
- R01AM-15379-03 Lipases of sebaceous follicles relation to acne (human)
- ** R01NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)
- R01NS-09315-05 Functional ultrastructure of nervous system (cockroach, mice)
- PHOSPHATES, PHOSPHORIC ESTERS**
- R01AM-10742-08 Models for enzymic phosphorylation and hydrolysis
- R01AM-11789-07 Active transport and membrane enzymes (bacteria)
- PHOSPHATES, POLYPHOSPHATES**
- R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
- R01DE-03867-01 Uptake of hydroxyapatite phosphorus by oral bacteria
- ** R01GM-12307-10 Specific counterion binding by polyelectrolytes
- R01GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
- R01HL-16278-01 Allosteric interactions of human hemoglobin
- R01NS-09178-10 Biochemical mono and polyphosphate crystal structures
- PHOSPHATES, PYROPHOSPHATES**
- SEE ALSO VITAMIN B, THIAMINE PYROPHOSPHATE
- R01AJ-03242-13 0002 Genetics, structure, and function of bacterial pili - Sex pilus properties (bacteria)
- R01AJ-03242-13 0003 Genetics, structure, and function of bacterial pili - Control of infectious drug resistance (bacteria, bacteriophage)
- R01AM-07141-11 Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human)
- R01AM-11789-07 Active transport and membrane enzymes (bacteria)
- R01AM-13069-06 Studies of crystal deposition diseases (human)
- R01AM-13523-05 Calcification of bone and cartilage (chickens)
- R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
- ** R01AM-18074-01 Crystal deposition diseases (human, rats, rabbits)
- R01DE-03796-03 Statolith differentiation in Aurelia (jellyfish)
- R01GM-13306-09 Phosphate activation mechanisms (Aspergillus oryzae)
- R01GM-16317-06 Enzymology and control of amino acid activation (rats, rabbits)
- R01HL-12745-06 0001 Enzymes and inhibitors of cholesterol biosynthesis - Presqualene biosynthesis in relation to sterol biosynthesis
- ** M01RR-00055-13 0092 General clinical research center - Chondrocalcinosis-measure of inorganic pyrophosphate (human)
- ** M01RR-00055-13 0093 General clinical research center - Diurnal variation in plasma pyrophosphates (human)
- M01RR-00828-01 0004 General clinical research center - Renal stones (human)
- PHOSPHATES, TRIMETAPHOSPHATES**
- R01CA-14710-02 Irreversibility of latent tumor cells (mice)
- P13DE-02670-08 Institute of Dental Research
- PHOSPHATIDE LIPOIDOSIS CLASSICAL**
- SEE METABOLIC DISORDERS INBORN, SPHINGOMYELINOSES, NIEMANN-PICK DISEASE
- PHOSPHATIDES**
- SEE PHOSPHOLIPIDS
- PHOSPHATIDIC ACIDS**
- SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDIC ACIDS
- PHOSPHATIDYL AMINO ACIDS**
- SEE AMINO ACIDS
- PHOSPHATIDYL CHOLINE**
- SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, LECITHINS
- PHOSPHATIDYLCHOLINE-CHOLESTEROL-TRANSFERASE**
- SEE TRANSACYLASES, LECTIN-CHOLESTEROL-TRANSFERASES
- PHOSPHATIDYL ETHANOLAMINE**
- SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL ETHANOLAMINE
- PHOSPHATIDYL INOSITOL**
- SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHOSITIDES
- PHOSPHATIDYL POLYGLYCEROL**
- SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS
- PHOSPHATIDYL SERINE**
- SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE
- PHOSPHATURIA**
- SEE CALCIUM (MINERAL) IMBALANCES, PHOSPHORUS IMBALANCE
- PHOSPHAZENES**
- R01CA-15771-01 Potential carcinostatic trithiaziazines
- PHOSPHENE VISUAL**
- SEE EYE, VISION, PHOSPHENE VISUAL
- PHOSPHENES (CHEMISTRY)**
- SEE PHOSPHOLES
- PHOSPHINE OXIDES**
- R01CA-10737-10 Reactions of organophosphorus compounds
- PHOSPHINES**
- SEE ALSO PHOSPHONIUM COMPOUNDS
- SEE ALSO PHOSPHORANES
- SEE ALSO PHOSPHORUS MUSTARDS
- R01CA-16912-01 Thio and seleno sugar esters of group V acids
- PHOSPHINES QUATERNARY**
- SEE PHOSPHONIUM COMPOUNDS
- PHOSPHITES**
- R01CA-13968-02 Electrosteric properties of cyclic carcinostats
- PHOSPHITES, PHOSPHOROUS ESTERS**
- R01CA-10737-10 Reactions of organophosphorus compounds
- PHOSPHOARYLS**
- SEE ALSO PHOSPHOLES
- SEE ALSO PHOSPHORINS
- ** R01CA-07182-11 Heterocyclic compounds containing phosphorus
- PHOSPHOCREATINE**
- SEE AMINO ACIDS, CREATINE PHOSPHATE
- PHOSPHODIESTERASE INHIBITORS**
- SEE ENZYME INHIBITORS, PHOSPHODIESTERASE INHIBITORS
- PHOSPHODIESTERASES**
- SEE ALSO NUCLEASES
- SEE ALSO PHOSPHOLIPASE
- R01AA-00189-03 Role of cyclic AMP in ethanol action (rats)
- ** R01AA-00194-03 0003 Effects of alcohol on gastric mucosa - Enzymatic processes (dogs, rabbits)
- R01AA-00202-03 Effect of ethanol on jejunal function (human)
- ** P15AM-10400-04 Clinical and biochemical correlations in asthma (children)
- R01AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- R01AM-06725-13 Action of insulin on cell membrane (rats)
- P01AM-07462-11 0050 Hormonal regulation of metabolism - Insulin and the adenylate cyclase-phosphodiesterase system of fat cells
- P01AM-07462-11 0052 Hormonal regulation of metabolism - Hormonal regulation of cyclic AMP-dependent protein kinase
- P01AM-07462-11 0064 Hormonal regulation of metabolism -Cyclic nucleotide phosphodiesterase activity in pig coronary arteries
- R01AM-08076-11 Action of insulin on enzymes of adipose tissue (rats, cattle)
- ** R01AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
- R01AM-11265-06 Adipose tissue regulation of fat metabolism (human, mammals, nonhuman)
- R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
- R01AM-12722-06 Characterization of human isoenzymes (also animals)
- R01AM-12782-07 Anabolic actions of adenylylphosphatase hormones (rats)
- R01AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)

(cont'd)

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- RO1AM-14070-04 Role of adrenocorticoids in lipolysis (rats, human)
- RO1AM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
- RO1AM-15740-03 Cell division control in normal and psoriatic skin
- RO1AM-15788-03 Mechanism of action of antilipolytic drugs (rats)
- RO1AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- RO1AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
- RO1AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)
- P17AM-17026-01 0014 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic nucleotides in vascular tissue (human)
- P17AM-17026-01 0024 Vanderbilt University Diabetes-Endocrinology Center - Control by insulin of cyclic AMP metabolism in rat liver (rats)
- P17AM-17026-01 0030 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic GMP
- P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
- P17AM-17042-01 0003 Diabetes endocrinology research center - Sulfonylurea hypoglycemic agents action and tolerance
- RO1AM-17780-01 Secretion in pituitary and other cells (rabbits, rats)
- RO1AM-18092-01 Action of insulin on enzymes of adipose tissue (rats)
- RO1CA-05671-14 0011 Glucocorticoid receptors in normal and malignant tissue - Cyclic AMP (rats)
- RO1CA-07339-10 Cytochemical substrates and anti-cancer agents (human, rats)
- PO2CA-08480-09 0004 Childhood cancer research center - Cyclic AMP in normal and cancer tissues (rats)
- RO1CA-08518-07 0001 Lysosomal enzymes in x-irradiated tumor cells - L-1210 leukemia (ascites) in vivo and in vitro (mice)
- ** RO1CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
- RO1CA-10995-06 Peptidase activity and cellular cAMP metabolism in cancer (rats)
- RO1CA-12503-04 Neoplastic growth and cell cycle control (mice)
- PO1CA-12536-04 0010 Effects of small doses of ionizing radiation - Relationship of intracellular cyclic AMP and radiosensitivity (rat, hamster)
- PO2CA-13148-03 0025 Pilot cancer center - Electrical potentials in gastric carcinoma (rabbits, human, guinea pigs, dogs)
- PO1CA-13330-03 0051 Cancer research program - Adaptation of a hamster insulinoma to tissue culture
- RO1CA-13449-02 Antitumor components from animal venoms (mice)
- ** PO1CA-13526-03 0003 Correlated study of metabolic regulation in neoplasia - Phosphodiesterase activity in cyclic AMP homeostasis (rats)
- RO1CA-13537-03 Cyclic AMP system in normal and neoplastic cells (3T3 cells, cattle)
- RO1CA-13638-03 Cyclic nucleotides in HeLa cell growth
- ** PO2CA-13943-02 0054 Clinical pharmacology immunology cancer research center - Endocrinology-Phosphodiesterase isozymes in neoplastic tissue (human, mammals)
- PO1CA-14193-02 0012 Comparative leukemia studies unit - Bovine lymphocytic cyclic AMP-dependent protein kinase
- RO1CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- RO1CA-14448-02 DNA tumor viruses-Enzymology of polyoma DNA metabolism
- RO1CA-14525-02 Biochemistry of normal and leukemic lymphocytes (human)
- RO1CA-15687-01 cAMP analogs as growth regulators in hepatoma cells
- RO1CA-16147-01 Regulation of the hemopoietic stem cell
- PO1DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
- PO1DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
- RO1DE-03018-05 Molecular aspects of taste (mammals)
- RO1EY-00395-06 Maturation of metabolism in normal and dystrophic retina (mice)
- RO1EY-00847-03 Cyclic nucleotides in visual transduction (crayfish)
- RO1EY-00945-03 Biochemical regulation in eular tissues (rabbits)
- RO1EY-01171-02 Cyclic nucleotide function in retinal photoreceptors (cattle, rats)
- RO1GM-07256-15 Chemical structure and enzyme activity of proteins (cattle)
- PO1GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
- PO1GM-16496-06 0030 Clinical pharmacology-Pharmacokinetics - Cyclic AMP metabolism in leukocytes
- RO1GM-16811-05 Role of cyclic GMP and cyclic AMP (animals)
- RO1GM-16865-05 Regulation of spindle formation in developing eggs (invertebrates, mammals)
- PO1GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
- RO1GM-17856-03 Role of cyclic AMP in development (protozoa, fungi)
- ** RO1GM-17956-03 Cyclic nucleotide phosphodiesterase (swine, cattle)
- RO1GM-18538-03 Enzyme synthesis during synchronous cell development (slime molds)
- RO1GM-19390-03 Biochemistry of a response system of Phycomycetes
- RO1GM-20523-01 Cyclic AMP and control of division in mammalian cells (tissue culture)
- PO1GM-21054-01 0007 Human genetics center - Biochemical evolution of functionally related enzymes
- RO1GM-21420-01 Cyclic AMP regulation (human, mammals nonhuman, birds)
- RO1HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
- RO1HD-06069-03 Effects of prostaglandins on myometrial metabolism (rhesus monkeys)
- PO1HD-06267-03 0005 Role of biological membranes in aging processes - Plasma membrane of the adipocyte (rats)
- RO1HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
- RO1HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- RO1HL-04639-15 Vascular reactivity in surgical care (dogs)
- RO1HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- ** PO1HL-08195-12 0026 Circulatory physiology - Cyclic nucleotide phosphodiesterase activity in vascular tissue
- RO1HL-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
- RO1HL-12740-06 Hypocholesterolemic agents-Stereochemistry (rats)
- RO1HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
- RO1HL-14461-03 Cardiac metabolism in heart failure (rats, guinea pigs)
- RO1HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- RO1HL-15002-03 Biochemical pharmacology of guanyl cyclase in lung (cattle)
- RO1HL-15313-02 Cyclic AMP metabolism in leukocytes from asthmatics
- RO1HL-15696-02 Molecular basis of regulation of heart function (rats)
- RO1HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
- RO1HL-16478-01 0002 Hemodynamic relations to metabolism in hypertension - Cardiac cyclic AMP related systems in hypertensive rats
- RO1MH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
- ** RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- RO1NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
- ** RO1NS-08059-07 Cyclic phosphodiesterase of central nervous system (human, ferret)
- RO1NS-08440-06 Metabolic basis of neural function (animals)
- RO1NS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
- RO1NS-09003-05 Structure, function, and assembly of nerve membranes (rats)
- RO1NS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
- RO1NS-10896-01 Development of selective beta-adrenoreceptive agents
- RO1NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
- RO1NS-11065-01 Analysis of selectivity of beta adrenergic drugs
- PHOSPHOENOLPYRUVATE**
SEE FATTY ACIDS, PYRUVATES, PHOSPHOENOLPYRUVATE
- PHOSPHOENOL PYRUVATE CARBOXYLASE**
SEE DECARBOXYLASES, PHOSPHOENOLPYRUVATE CARBOXYLASE
- PHOSPHOFRUCTOKINASE**
SEE PHOSPHOTRANSFERASES, ATP-D-FRUCTOSE-6-PHOSPHATE 1-PHOSPHOTRANSFERASE
- PHOSPHOFRUCTOKINASE MYOPATHY**
SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE VII
- PHOSPHOGLUCOMUTASE**
SEE PHOSPHOMUTASES, PHOSPHOGLUCOMUTASE
- PHOSPHOGLUCONATE DEHYDROGENASE**
SEE OXIDOREDUCTASES, PHOSPHOGLUCONATE DEHYDROGENASE
- 6-PHOSPHOGLUCONATE DEHYDROGENASE DEFICIENCY**
SEE METABOLIC DISORDERS INBORN, 6-PHOSPHOGLUCONATE DEHYDROGENASE DEFICIENCY
- PHOSPHOGLUCONATE PATHWAY**
SEE PENTOSE PATHWAYS, HEXOSE MONOPHOSPHATE PATHWAY
- D-2-PHOSPHOGLYCERATE HYDROLYASE**
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE
- PHOSPHOGLYCERATE KINASE**
SEE PHOSPHOTRANSFERASES, ATP-D-3-PHOSPHOGLYCERATE 1-PHOSPHOTRANSFERASE
- PHOSPHOGLYCERATE KINASE DEFICIENCY**
SEE METABOLIC DISORDERS INBORN, PHOSPHOGLYCERATE KINASE DEFICIENCY
- PHOSPHOGLYCERIC ACIDS**
SEE TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES
- PHOSPHOGLYCERIDES**
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES
- PHOSPHOGLYCEROMUTASE**
SEE PHOSPHOMUTASES, PHOSPHOGLYCEROMUTASE
- PHOSPHOHEXOMUTASE**
SEE ISOMERASES, GLUCOSEPHOSPHATE ISOMERASE
- PHOSPHOHEXOSE ISOMERASES**
SEE ISOMERASES, GLUCOSEPHOSPHATE ISOMERASE
- PHOSPHONOSITIDES**
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHONOSITIDES
- PHOSPHOTOLASE**
SEE ALSO ALDOLASES
- RO1GM-20763-01 Probe into mechanisms of action of aldolases (rabbit, yeast, bacteria, spinach)
- PHOSPHOLES**
** RO1CA-05507-14 Organophosphorus compounds for anticancer screening
- PHOSPHOLIPASE**
RO1AI-06313-10 Antimicrobial agents and the cell surface (bacteria)
- ** RO1AI-11963-01 Phospholipase levels in experimental trichinellosis (mice)
- PO1AM-03564-15 0014 Mesenchymal tissues and their diseases - Receptor for hemocytotropic antibodies (rats)
- PO1AM-03564-15 0028 Mesenchymal tissues and their diseases - Surface receptors (human, rabbits)
- RO1AM-07699-11 Synthetic inhibitors of phospholipid metabolism (rats, mice, bacteria)
- ** RO1AM-11799-07 Metabolism of liver membrane phospholipids
- RO1AM-15565-03 Biochemistry of lipids in normal and ulcerated stomachs (human, animals)
- RO1AM-16045-01 Role of enzymes in cholecystitis and cholelithiasis (rabbits)
- RO1AM-16453-02 Chylomicrons-formation, structure and function
- RO1AM-16826-01 Mechanisms of polypeptide hormone action
- ** RO1AM-17517-01 NMR studies of phospholipase A2-Micellar systems (swine, snakes)
- RO1CA-08315-10 Steroid induced changes in cultured malignant cells
- RO1CA-10126-08 Mechanisms of transformation by oncogenic viruses
- RO1CA-12404-04 Oncolysis by tumor antibody-diphtheria toxin conjugates (mice, guinea pig, human)
- RO1CA-13449-02 Antitumor components from animal venoms (mice)
- RO1DE-03766-02 Lysosomal enzymes and etiology of periodontitis
- ** RO1GM-13863-09 Lipid metabolism (swine, primates)
- ** RO1GM-13885-09 Physical and catalytic behavior of hydrolytic enzymes (snakes, swine, fruit)
- PI1GM-15477-08 0046 Drug metabolism and biochemical pharmacology - Phospholipids in binding and drug metabolism (rats)
- RO1GM-19807-02 0008 Membrane permeability as a regulatory element - Genesis of lipolytic activity (plants)
- RO1GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- RO1GM-20501-01 Action of lipolytic enzymes (bacteria, protozoa, snake venom)
- ** PO1HD-05065-04 0003 Cellular aging and degeneration - Subcellular events in cellular immunity (rats)
- PO1HD-07173-02 0001 Structure and function of aging human fibroblasts - Composition, immunology, enzymes and transport in cell membranes (WI 38)
- RO1HD-08357-01 Plasma membrane in fertilization and development (sea urchin)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
- RO1HL-07564-13 Experimental shock (rats)
- RO1HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- RO1HL-10406-09 Synthesis, metabolism and function of lipids (rats, bacteria)
- PO1HL-11306-08 0108 Cardiovascular research program - Myocardial organelle lipid structure and function
- RO1HL-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
- RO1HL-13405-04 Regulation of lipid metabolism in the lung (rats)
- P17HL-14179-04 0002 Center for the study of lung disease - Macrophages and phagocytosis-phospholipase (rabbits)
- P17HL-15062-03 0007 Study of lipoproteins, artery wall, and atherosclerosis - Physical chemistry of lipid-protein interaction (human)
- PO1HL-16251-01 0011 Membrane-bound enzymes in heart and other tissues - Membrane phospholipids on kinetics of membrane bound enzymes (rats)
- PO1HL-16251-01 0012 Membrane-bound enzymes in heart and other tissues - Chemical, physical basis for protein-lipid interactions in microsomal membranes
- RO1NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
- RO1NS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)
- RO1NS-09088-04 Stereochemistry of the cholinergic mechanism (guinea pigs, dogs, rats)
- RO1NS-10124-03 Drug effects on membrane-bound endplate cholinesterase (cats, rats, frogs)
- PO1NS-10920-02 0003 Development and regeneration in the nervous system - Maturing oligodendrocytes in developing brain (rats)
- PHOSPHOLIPASE, LECITHINASE**
- PO1AM-05996-13 0022 Biochemistry of connective tissues - Phospholipids and phospholipase effect on glycosyltransferases
- RO1NS-12047-04 0003 Role of lipids and lipoproteins in membranes - Cardiolipin metabolism (rats)
- PHOSPHOLIPASE, LECITHINASE A**
- RO1AM-12024-07 Essential fatty acid intake and fatty acid synthesis (rats)
- ** RO1CA-13412-03 Role of phospholipase in neoplasia (rats)
- RO1EY-00703-04 Biochemical studies in normal and cataractous lenses (human, rabbits)
- ** RO1GM-06241-16 Properties of cytochrome oxidase (rats)
- RO1GM-20501-01 Action of lipolytic enzymes (bacteria, protozoa, snake venom)
- ** RO1GM-21396-01 The role of lysophosphatides in coll injury (rats)
- PO1HD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)
- PO1HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
- RO1HD-08357-01 Plasma membrane in fertilization and development (sea urchin)
- PO1HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
- RO1HL-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
- RO1HL-14890-03 Platelet prostaglandins (human)
- ** P17HL-15062-03 0008 Study of lipoproteins, artery wall, and atherosclerosis - Lipid modifying enzymes (human)
- PHOSPHOLIPASE, LYSOLECITHINASE**
- ** RO1CA-13412-03 Role of phospholipase in neoplasia (rats)
- PO1HD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)
- RO1NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
- PHOSPHOLIPASE A**
SEE PHOSPHOLIPASE, LECITHINASE A
- PHOSPHOLIPASE B**
SEE PHOSPHOLIPASE, LYSOLECITHINASE
- PHOSPHOLIPIDS**
- ** RO1AA-00204-03 Alcohol and diet effects on lipid metabolism in heart (rats)
- RO1AA-00498-03 0018 Clinical studies of alcohol use and abuse - Basic studies of the endocrine differences between two strains of mice
- RO1AI-06875-08 Growth of T4R11 coliphage on Escherichia coli K12
- RO1AI-07826-06 Studies on in vivo growth of staphylococci (mice, rabbits)
- RO1AI-08650-06 Biosynthesis of lipopolysaccharides (bacteria)
- R22AI-09029-06 0011 Cholera toxin and intestinal ion transport - Cholera toxin activation of adenylate cyclase in turkey erythrocytes
- RO1AI-09319-05 Effect of antibody-complement on artificial membranes
- RO1AI-09447-05 Lipid biosynthesis induced by poxvirus infection (chick embryo, rats)
- RO1AI-09465-05 Bacterial cell membrane role in growth and cell division (also yeast)
- RO1AI-10098-04 Lipid biosynthesis in Clostridium butyricum
- RO1AI-10129-04 Immunobiology of parasitism (rats)
- RO1AI-10186-04 Regulation of lipid metabolism-genetic approaches (bacteria, viruses)
- RO1AI-10704-14 Childhood renal disease (human, swine, rodents)
- ** RO1AM-00884-19 Complex phospholipids of Mycobacterium species
- RO1AM-01677-17 Regulatory mechanisms in lipid metabolism (rats, human)
- RO1AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- RO1AM-03846-15 Structure and function in liver injury (human, rats)
- RO1AM-04942-14 Effect of dietary fat on glyceride structure (rats)
- RO1AM-05310-13 Fatty acid activation and transfer to glycerolipids (rats)
- RO1AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
- RO1AM-05472-13 Lipid transport into cells (human, toads, bacteria)
- PO1AM-05996-13 0022 Biochemistry of connective tissues - Phospholipids and phospholipase effect on glycosyltransferases
- ** RO1AM-06334-12 Pathogenesis of experimental fatty liver (rats, mice)
- RO1AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
- PO2AM-06908-12 0008 Digestive and hepato-biliary function - Digestive-adsorptive sequence (human)
- PO2AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
- RO1AM-07162-13 Control of lipid metabolism in mammalian cells (rodents, rabbits)
- ** RO1AM-07699-11 Synthetic inhibitors of phospholipid metabolism (rats, mice, bacteria)
- RO1AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)
- RO1AM-08126-11 Energy generation and conservation in mitochondria
- PO1AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- ** RO1AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)
- RO1AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
- RO1AM-09000-10 Hepatic lipid metabolism, control and ethanol effects (rats)
- RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
- PO1AM-09650-10 0001 Hormonal and ionic control of metabolism - Steroid hormone action (toad bladder)
- PO1AM-09650-10 0004 Hormonal and ionic control of metabolism - Roles of calcium and cyclic AMP in slime mold aggregation
- RO1AM-10010-10 Analysis of the lipids of human skin
- RO1AM-10339-09 Kinases, desaturases, and hydroxylases (bacteria, yeast, rabbits)
- ** RO1AM-10733-08 Control of phospholipid metabolism (dogs, rats)
- RO1AM-11453-07 Physical chemistry of biologically active lipids (baboons, human)
- ** RO1AM-11597-08 Metabolic role of vitamin A (rats)
- RO1AM-11799-07 Metabolism of liver membrane phospholipids
- RO1AM-11949-07 Mechanisms of arthritis (human, rabbits)
- RO1AM-12024-07 Essential fatty acid intake and fatty acid synthesis (rats)
- RO1AM-13407-06 Glycosyltransferases
- RO1AM-13492-05 Regulatory mutants in lipid metabolism (algae, bacteria)
- RO1AM-13523-05 Calcification of bone and cartilage (chickens)
- RO1AM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
- RO1AM-14543-04 Alternate pathways of bilirubin metabolism (human, rats)
- ** RO1AM-14632-11 Membranes and organelles-Structure and function (human, rats)
- RO1AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
- RO1AM-15251-04 Control mechanisms of ion and electron transfer
- RO1AM-15281-03 Effects of ethanol on lipid absorption and metabolism (rats)
- RO1AM-15304-03 Surgical studies on gallstone formation (monkeys)
- RO1AM-15364-04 Nutritional regulation of protein metabolism (rats)
- RO1AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
- RO1AM-15441-03 Disorders of the red cell membrane in disease (human)
- RO1AM-15836-03 Control of lipogenesis in animals and microorganisms (rats, microorganisms)
- RO1AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
- RO1AM-16667-01 Researches on causes and treatment of gallstones
- RO1AM-16821-01 Biochemical studies of red cell membranes (human)
- RO1AM-16829-02 Regulation of steroid formation
- P17AM-17026-01 0011 Vanderbilt University Diabetes-Endocrinology Center - Membranes and organelles-Structure and function (rats)
- PO1AM-17040-01 0006 The basic defect in cystic fibrosis - Surface membranes and enzymes (human)
- RO1AM-17179-01 Cyclic AMP in psoriasis
- RO1AM-17517-01 NMR studies of phospholipase A2-Micellar systems (swine, snakes)
- RO1CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
- PO1CA-07175-11 0001 Cancer research at the McArdle laboratory - Mechanism of mouse tumor skin formation
- PO1CA-07175-11 0017 Cancer research at the McArdle laboratory - Mechanisms of cell interactions (chick embryo)
- ** RO1CA-08315-10 Steroid induced changes in cultured malignant cells
- ** PO2CA-08480-09 0027 Childhood cancer research center - Role of phospholipids in function of biological membranes (mammals)
- ** RO1CA-08964-08 Energy metabolism in normal and tumor cells (cattle, plants, microorganisms)
- RO1CA-10250-08 Glycerol-P dehydrogenase in differentiation and cancer (rodents, rabbits, rats)
- ** RO1CA-10337-08 Spin labeling and membrane structure
- ** RO1CA-10337-08 0006 Spin labeling and membrane structure - Structure of cytochrome oxidase-phospholipid membrane vesicles
- RO1CA-12150-04 Unusual lipids in cancer tissue (mice, rats, human)
- RO1CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
- PO1CA-13330-03 0021 Cancer research program - Cell membranes in normal and cancer cells (human)
- PO1CA-13330-03 0056 Cancer research program - Cell growth and morphogenesis (fungi)
- RO1CA-13784-02 Effect of cocarcinogens on cellular membranes
- RO1CA-13805-02 Radiation injury in subpopulations on lymphocytes (mice)
- PO1CA-14599-01 0019 University of Chicago Cancer Research Center - Organization of lipids in plasma membranes (rats)
- ** PO2CA-15145-01 0034 Cancer center support grant - Regulation of membrane function by phospholipids (bacteria, rats)
- RO1CA-15330-01 Electron diffraction of cancer cell membranes (human)
- ** RO1CA-15370-01 Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- ** PO1CA-15655-01 0020 Cancer center support grant - Fatty acid phospholipid composition and DNA synthesis (bacteria)
- ** RO1CA-15694-01 Membrane phospholipid metabolism in tumors (human)
- RO1CA-15917-01 Nitrogen metabolism and plant neoplastic state
- ** PO1CA-16127-01 0012 Cancer Research and Treatment Center Program - Cell surface in oncogenic virus-transformed mammalian cells
- RO1DA-00109-03 Morphine tolerance and high sensitivity measurement (rats)
- RO1DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
- RO1DA-00815-01 Effects of narcotics on brain phospholipids and cytology
- PO1DE-02111-10 0003 Synthetic and natural dental materials - Crystallography of biomaterials
- R23DE-03402-03 Identification and turnover of lipids in dental pulp (rats, dogs, cattle, human)
- PO1ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
- ** PO1ES-00044-10 0004 Mechanisms of pesticide action - Intermediary metabolism of phospholipids (insects, mice)
- RO1ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- RO1EY-00046-05 Biosynthesis of visual pigment rhodopsin (rats, frogs)
- RO1EY-00173-07 Monomolecular films to study visual processes (models, cattle)
- RO1EY-00244-13 Lipids in experimentally-induced cataracts (human, cattle, frogs)
- RO1EY-00297-10 Vulnerability of the retina to light and other agents (rats, rabbits)
- PO1EY-00331-08 0002 Retinal morphology, function and clinical characteristics - Morphology and biochemistry (frogs, rats, primates)
- ** PO1EY-00331-08 0003 Retinal morphology, function and clinical characteristics - Functional biochemistry (frogs, cattle, rabbits)
- RO1EY-00444-06 Electron microscope autoradiography of ocular tissues (animals)
- RO1EY-00548-04 Role of macromolecules in photoreceptor membranes

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01EY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
- R01EY-00703-04 Biochemical studies in normal and cataractous lenses (human, rabbits)
- R01EY-00729-04 Molecular basis of membrane excitation (model system, cattle)
- ** R01EY-01092-02 Biosynthesis of retinal phospholipids (rats)
- R01EY-01406-01 Retina-Photoreceptor membrane synthesis and function (human, frogs, fish)
- R01FD-00364-03 N-Nitrosamine formation in cured meats (also fish)
- R01GM-07581-13 Biosynthesis of deoxyribonucleic acid and membranes (bacteria, viruses)
- R01GM-07768-14 Enzymatic activation mechanisms (E coli)
- ** R01GM-10935-12 Lipid aberrations in mutant strains of neurospora
- P01GM-12527-10 0001 Anesthetic and related drugs - Uptake, distribution and metabolism (human, animals)
- P01GM-12847-10 0019 Molecular biology of membrane systems - Structure of biological membranes
- P01GM-12847-10 0020 Molecular biology of membrane systems - Fusion of biological membranes
- P01GM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
- P01GM-12847-10 0024 Molecular biology of membrane systems - Supermolecule and control of coupling options
- R01GM-13863-09 Lipid metabolism (swine, primates)
- R01GM-14523-08 Nucleic acid interactions
- R01GM-14628-09 Phospholipid bilayer membranes (bacteria, mammals non-human)
- ** P01GM-15423-07 0020 Molecular basis of control mechanisms - Molecular biology of membranes
- P11GM-15477-08 0003 Drug metabolism and biochemical pharmacology - Drug binding sites of P450 hemoproteins (rats, rabbits)
- ** P11GM-15477-08 0046 Drug metabolism and biochemical pharmacology - Phospholipids in binding and drug metabolism (rats)
- P01GM-15904-07 0018 Anesthesiology center for research and teaching - Anesthesia and lung chemistry
- P11GM-15956-07 0008 Factors affecting the responses to drugs - Bile acid secretion and canalicular bile production (dogs, rabbits, rats)
- R01GM-16292-06 Biochemical genetic study of bacterial fatty acids
- ** P01GM-16492-06 0018 Design of chemotherapeutic agents - Mass spectrometry-Phospholipids in pulmonary alveolar proteinosis
- R01GM-16754-06 Fine structure and composition of membranes (bacteria)
- ** R01GM-17452-04 Phospholipid vesicles as model for biological membranes
- R01GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)
- R01GM-17607-04 Particulate microbial oxidoreductases
- R01GM-18152-04 Mechanism of alkali cation transport
- R01GM-18405-04 0001 Regulation and mechanism of cell surface synthesis - Cell wall assembly and degradation during cell cycle (Gram positive bacteria)
- ** R01GM-18697-03 Lipid-protein interaction studies on model membranes (bacteria)
- R01GM-18698-03 NMR studies of membrane transport and components (bacteria)
- R01GM-18774-03 Physiological chemistry of polyenoic fatty acids (ciliates)
- R01GM-18921-03 Phospholipid-protein interactions and membrane function
- R01GM-18962-01 Mechanisms of sugar transport in membrane vesicles (bacteria)
- R01GM-19198-01 Active transport mechanisms in normal and tumor cells (bacteria, cell lines)
- ** R01GM-19308-03 Membrane mutants of Neurospora
- ** P01GM-19443-03 0025 Problems in clinical genetics - Role of surfactant in the respiratory distress syndrome of the newborn (human)
- R01GM-19629-02 Genetics and development of yeast membrane mutants
- ** R01GM-19684-02 Ionophores, transport, and membrane structure
- R01GM-20001-02 Biogenesis of cellular membranes (rats, ducks)
- ** R01GM-20015-01 Regulation of membrane phospholipid synthesis (E coli)
- ** R01GM-20316-01 Regulation of microsomal enzymes by phospholipids (Gunn rats, guinea pigs)
- R01GM-20379-02 Structure and function of heart membrane proteins
- R01GM-20478-02 Structure and function of membrane proteins (Bacillus megaterium)
- R01GM-20488-02 NMR studies of membrane bound proteins (cattle, chicken)
- R01GM-20662-02 Formation of electron transport in Hemophilus
- ** R01GM-21047-01 Electron diffraction of membrane phospholipids
- R01GM-21149-01 Electronic and Raman spectral studies of membranes
- ** R01GM-21400-01 A chemical regulator of phospholipid metabolism
- M01HD-02149-04 Control of ovulation and corpus luteum function (rodents)
- ** P01HD-03015-08 0034 Program for developmental biology - Decreased infant platelet activity (rabbits)
- R01HD-03783-06 0002 Pathogenesis of neonatal physiologic jaundice - Plasma protein binding of bilirubin and kernicterus (monkeys, rats)
- ** P01HD-04147-06 0004 Research in mental retardation - Phospholipid metabolism in muscular dystrophy (mice, human)
- R01HD-04147-06 0018 Research in mental retardation - Metabolic stability of myelin (rats)
- R01HD-04434-04 Ultrastructure and quantitation of surfactant (human, monkeys, rabbits, E coli)
- ** P01HD-04583-06 0003 Mental retardation research center - Biosynthesis of chondroitin sulfate proteoglycan (chick embryo)
- R01HD-04839-05 0009 Metabolism of drug substrates by human placenta - Mechanisms of oxidation-reduction reactions in tissue-free models (human)
- R01HD-06267-03 0002 Role of biological membranes in aging processes - Changes in sarcoplasmic reticulum (rats)
- ** R01HD-06897-02 Phospholipids in mammalian reproduction (rabbits)
- P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- ** R01HD-07290-02 Control of timing and character of labor (human, animals)
- R01HD-08309-01 Population control research-Enzyme studies
- R01HD-08317-01 Membrane changes during aging and vitamin E deficiency (rats)
- R01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
- ** R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
- R01HL-02477-18 Biosynthesis and function of lipids (microorganisms)
- R01HL-02986-18 Zonal renal change with potassium depletion (rats)
- R01HL-04442-16 Mitochondrial assembly and replication (fungi, mammals)
- P01HL-05435-14 0001 Cardiovascular research and training program - Applied lipid research (human)
- P01HL-05435-14 0004 Cardiovascular research and training program - Analytical biochemistry (human)
- R01HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
- R01HL-06221-13 0002 Composition and structure of plasma lipoproteins - Abnormal low density lipoproteins in obstructive jaundice (human, rats, dogs)
- ** P01HL-06374-14 0007 Expansion of research in a hematologic center - Phospholipids in hematoses (dogs)
- ** P01HL-06374-14 0013 Expansion of research in a hematologic center - Action of phospholipids in blood coagulation (dogs, cattle)
- P01HL-06835-13 0002 Cardiovascular disease - Renin angiotensin system (human, mammals)
- P01HL-06835-13 0006 Cardiovascular disease - Atherosclerosis (human, dogs, rats, rabbits)
- R01HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)
- ** P01HL-08214-11 0017 Chemical and biological properties of lipids - Methods for the preparation of highly purified lipids
- ** P01HL-08214-11 0037 Chemical and biological properties of lipids - Phospholipid biosynthesis in developing brain (rats)
- R01HL-08476-11 Binding of proteins to lipids and lipid hormones
- R01HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
- R01HL-09914-09 Myocardial function and metabolism disease (dogs)
- ** R01HL-10406-09 Synthesis, metabolism and function of lipids (rats, bacteria)
- R01HL-10933-09 Fat metabolism and experimental atherosclerosis (rabbits, rats)
- ** R01HL-10940-09 Lipid transport (rats, rabbits)
- ** R01HL-10950-08 Estimation of individual phospholipids in human serum
- R01HL-11552-07 Lipids and proteins in coagulation and myelination (human, rats, cattle)
- R01HL-11857-07 Mechanism of blood coagulation (human, cattle)
- R01HL-12710-05 Fine structure of serum lipoproteins (pigs, human)
- R01HL-12760-05 Surface studies of membrane lipids
- R01HL-12820-05 Lipid protein interactions in blood clotting (cattle)
- R01HL-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
- P01HL-13330-05 0058 Mechanical circulatory support - Mechanical circulatory assistance and the metabolic pool of body lipids
- R01HL-13405-04 Regulation of lipid metabolism in the lung (rats)
- R01HL-13587-03 Synthesis and pharmacology of renin inhibitors (rats)
- R01HL-13713-04 Pathogenesis of lipid accumulation (human, mice)
- R01HL-13715-04 Myocardial adenyl cyclase (human, rabbits)
- R01HL-13802-04 Studies of human platelet inositides
- ** P17HL-14147-04 0003 Specialized center of research in thrombosis - Application of physical and chemical studies of lipid surfaces
- P17HL-14177-04 0002 Center for prevention and treatment of atherosclerosis - Atherosclerotic arterial wall bioenergetics and lipid metabolism (rabbits, swine)
- P17HL-14179-04 0012 Center for the study of lung disease - Tracheal and amniotic fluid and their relation to neonatal lung function (human)
- P17HL-14194-04 0003 Pathophysiology of atherosclerosis - Isolation of lipid-binding fragments of apo LP-glutaminol from human HDL
- P17HL-14194-04 0004 Pathophysiology of atherosclerosis - Isolation of cyanogen bromide fragments of apo LP-glutamine-I from human HDL
- P17HL-14194-04 0006 Pathophysiology of atherosclerosis - Lipid binding between apo LP-alanine and phosphatidyl choline (human)
- P17HL-14194-04 0008 Pathophysiology of atherosclerosis - Mechanisms of lecithin cholesterolacyl transferases (human)
- P17HL-14194-04 0013 Pathophysiology of atherosclerosis - Physical state of lipids in lipoproteins (bacteria)
- ** P17HL-14194-04 0014 Pathophysiology of atherosclerosis - Fluorescence studies of lipid-protein interactions
- P17HL-14201-04 0006 Pulmonary disease research center - Development of lung stability (human, animals)
- ** P17HL-14214-04 0003 Neonatal lung center - Fetal and neonatal lung studies (human, lambs, rats)
- R01HL-14313-03 Metabolism of lipoprotein lipid and protein (human, monkeys)
- R01HL-14820-02 Factors affecting physiology of biological membranes (human)
- R01HL-14882-02 Interactions of sterols in biological systems (human)
- R01HL-14990-02 Lipid transport (chickens)
- R01HL-15013-03 Calcium effects on oxidative metabolism of lung tissue (mammals sub-human, birds)
- ** P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
- P17HL-15062-03 0004 Study of lipoproteins, artery wall, and atherosclerosis - Interactions of serum lipoproteins - lipoprotein lipase (human, animals)
- P17HL-15062-03 0007 Study of lipoproteins, artery wall, and atherosclerosis - Physical chemistry of lipid-protein interaction (human)
- P17HL-15062-03 0012 Study of lipoproteins, artery wall, and atherosclerosis - The pathology of atherosclerosis (monkeys, rabbits)
- P17HL-15088-03 0005 Diffuse granulomatous and fibrotic pulmonary disease - Effect of ouabain and ethacrynic acid on palmitate incorporation into lung
- P17HL-15103-03 0005 Specialized center of research-arteriosclerosis - Bogalusa family studies-Genetics (human)
- R01HL-15183-01 Surgery with assisted and total bypass-Blood changes (human, dogs)
- ** R01HL-15448-02 0004 Surgical and metabolic aspects of venous grafts - Phospholipid synthesis and localization (dogs, monkeys)
- R01HL-15478-02 Lipid flux and collagen synthesis in atherosclerosis (rabbits)
- ** R01HL-15585-02 Membranous enzymes-Involvement with phospholipids (E coli, rats)
- R01HL-15593-02 0003 Prolonged extracorporeal cardiopulmonary support - Extracorporeal circulation in infants (sheep, human)
- R01HL-15877-01 Recovery of lung function following oxygen poisoning (dogs)
- R01HL-15887-01 Enzymes of blood coagulation and fibrinolysis (human)
- R01HL-16058-01 Metabolism of lipids in cultured cells (human)
- ** R01HL-16101-01 Protein-lipid interaction (bacteria)
- P01HL-16117-01 0003 Ion movements and membranes in cardiovascular control - Fast kinetic study of calcium membrane interactions
- P01HL-16126-01 0001 Atherosclerosis, coagulation and thrombosis - Initiation sites and mechanisms of blood coagulation (cattle)
- P01HL-16126-01 0004 Atherosclerosis, coagulation and thrombosis - Vitamin K and prothrombin biochemistry and biosynthesis (cattle, human)
- P01HL-16126-01 0005 Atherosclerosis, coagulation and thrombosis - Molecular organization of atheromatous lesions (mammals)
- P01HL-16137-01 0002 Alveolar biology - Characterization of the surfactant system-Proteins isolation (human, rabbits)
- P01HL-16137-01 0005 Alveolar biology - Structural-functional patterns of alveolar cells and their organelles (animals)
- P01HL-16137-01 0007 Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HL-16137-01 0009 Alveolar biology - Physico-chemical properties of the surfactant system—Individual components
- PO1HL-16137-01 0012 Alveolar biology - Pathology of alveoli and the surfactant—Fetal pulmonary fluid
- PO1HL-16137-01 0013 Alveolar biology - Developmental biology and pathology of the surfactant—Formation of alveolar
- PO1HL-16137-01 0014 Alveolar biology - Pathology of alveoli and the surfactant—Fetal distress (sheep)
- ** RO1HL-16207-01 Synthesis of phospholipid lung surfactant
- ** PO1HL-16251-01 0011 Membrane-bound enzymes in heart and other tissues - Membrane phospholipids on kinetics of membrane bound enzymes (rats)
- RO1HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
- RO1HL-16583-01 Molecular basis of activation of coagulation proteins (human)
- PO1HL-16607-01 0001 Calcium ion and control of cardiovascular function - Electrical and chemical control of calcium fluxes through model membrane systems
- RO1HL-16660-03 Cholesterol and other lipids in membrane function (protozoa)
- RO1MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
- RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- RO1MH-21730-03 Role of metal chelates in biogenic amine activity
- M RO1MH-26237-01 Biogenic amine and CNS phospholipid metabolism
- ** RO1MH-26237-01 0001 Biogenic amine and CNS phospholipid metabolism - CNS phospholipids and biogenic amines, hormones and psychotropic drugs (rats)
- ** RO1MH-26237-01 0002 Biogenic amine and CNS phospholipid metabolism - Biogenic amine subcellular and molecular effects on CNS phospholipid metabolism
- ** RO1MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)
- ** RO1MS-06517-10 Biochemical studies in muscular dystrophy (chickens)
- RO1MS-06610-08 In vitro biology of brain cellular species (rats, mice)
- RO1MS-06938-09 Metabolic diseases of the brain (human, rats)
- RO1MS-07595-06 Structure and function in peripheral nerve (lobsters, garfish)
- RO1MS-07758-06 NMR studies of cell excitation (frogs, rats)
- RO1MS-09088-04 Stereochemistry of the cholinergic mechanism (guinea pigs, dogs, rats)
- RO1MS-09178-10 Biochemical mono and polyphosphate crystal structures
- RO1MS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
- RO1MS-09564-04 Orientation and motion of membrane proteins (electric fish, E coli)
- RO1MS-09931-05 Ion permeation through carriers, channels and nerve
- RO1MS-09985-03 Isolation and reconstitution of excitable membranes (cattle)
- ** RO1MS-10013-02 Phospholipid biosynthesis in developing brain (rats, pigs)
- ** RO1MS-10108-03 Brain phosphoinositides—Relevance to prostaglandins (human)
- ** RO1MS-10237-03 Glial cell membranes and myelin (rodents, rabbits)
- PO1MS-10299-03 0006 Biophysical and biochemical studies of cellular membranes - Protein-lipid interactions in model membrane systems
- ** RO1MS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)
- RO1MS-10344-01 Myelin constituents in murine leukodystrophy (mice)
- ** RO1MS-10437-03 Assembly of cerebral myelin membranes (rats)
- ** RO1MS-10485-03 Local anesthetics, nerves and bilayers
- RO1MS-11356-01 Purifying and reconstituting acetylcholine receptors (rats, electric fish)
- RO1MS-11600-01 Membrane concentrations of drugs and toxic compounds
- RO1MS-11773-01 Regulation of glycolysis in brain (rats)
- RO1MS-11815-04 Defective ion movement in muscular dystrophy (mice, rat, hamster, chicken, human)
- RO1MS-12044-01 Myelin constituents in murine leukodystrophy
- M RO1MS-12047-04 Role of lipids and lipoproteins in membranes
- ** RO1MS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
- ** RO1MS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
- MO1RR-00059-13 0138 General clinical research center - Effect of dietary cholesterol on composition of human bile
- MO1RR-00210-10 0029 General clinical research center—Maternal-child - Amniotic fluid studies
- MO1RR-00350-08 0084 General clinical research center - Structure of very low density lipoprotein of plasma (human)
- MO1RR-00350-08 0095 General clinical research center - Role of small intestine in lipoprotein synthesis (human)
- PO1RR-00639-01 0002 Interdepartmental NMR facility health center - Chemical basis of anesthesia
- PHOSPHOLIPIDS, GLYCEROPHOSPHORIC ESTERS**
SEE ALSO TRIOSE ALCOHOLS, GLYCEROPHOSPHATES
- RO1AI-11388-03 Myeloma proteins, immunochemistry and immunobiology (human)
- PHOSPHOLIPIDS, GLYCEROPHOSPHORIC ESTERS, GLYCEROPHOSPHORYLCHOLINE**
- RO1HD-02871-08 Phospholipid metabolism during development (rats)
- RO1HD-07911-01 Sperm storage in avian oviducts (chickens, turkeys)
- PHOSPHOLIPIDS, LYSOPHOSPHOLIPIDS**
SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, LYSOLECITHIN
- ** RO1CA-14318-01 Lysophospholipid metabolism of neoplasias (tissue culture)
- RO1HD-08357-01 Plasma membrane in fertilization and development (sea urchin)
- ** RO1HL-13167-05 Myocardial organelle lipid structure and function (dogs, hamsters)
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES**
- RO1AI-06888-09 Liposamine acid and glycolipid metabolism in bacteria
- RO1CA-15047-01 O-alkyl lipids in surface membranes of tumor cells (rats, dogs, human)
- PIOES-00159-09 0010 Center for study of the human environment - Interaction of copper, zinc, and environmental chemicals and lipid metabolism
- RO1HL-13132-03 Calorimetric studies of heme-protein ligand reactions (human, sheep, cattle)
- P17HL-14179-04 0023 Center for the study of lung disease - Fetal lung development and lung surfactant (rabbits, rats, monkeys)
- PO1MS-08711-04 0003 Fundamental studies relating to multiple sclerosis - Myelin and white matter glial cells (human, cattle)
- RO1MS-09338-04 Fatty acid metabolism in brain subcellular membranes (human, mice, primates)
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS**
- ** RO1CA-15694-01 Membrane phospholipid metabolism in tumors (human)
- ** RO1GM-18858-03 Lipids and control of mitochondrial biogenesis (yeast)
- RO1GM-19822-15 Metabolism and function of complex lipids (E coli)
- ** RO1HL-12381-06 Membrane lipids—Biosynthesis and function (rat liver)
- ** RO1MS-12047-04 0003 Role of lipids and lipoproteins in membranes - Cardiolipin metabolism (rats)
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CEPHALINS**
SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL ETHANOLAMINE
SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE
- RO1GM-19684-02 Ionophores, transport, and membrane structure
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, LECITHINS**
- RO1AA-00204-03 Alcohol and diet effects on lipid metabolism in heart (rats)
- RO1AM-04576-14 Protein interactions and biological function (rabbits, rats, human)
- RO1AM-06334-12 Pathogenesis of experimental fatty liver (rats, mice)
- RO1AM-09758-09 Polyunsaturated fatty acid interconversions (rats)
- ** RO1AM-10166-09 Characterization and isolation of lecithins (rats)
- RO1AM-13097-07 Bile production (dogs, hamsters, rabbits, rats)
- RO1AM-15631-03 Hepatic and biliary alterations in cholelithiasis (human, hamsters)
- ** RO1AM-16617-02 Bile acid and lecithin reabsorption from primate bile (owl, monkeys, baboons)
- RO1AM-16694-01 Mechanisms of cholesterol gallstone dissolution rates (human)
- RO1AM-17281-01 Bile salts as atypical surfactants and solubilizers
- RO1AM-17517-01 NMR studies of phospholipase A2—Micellar systems (swine, snakes)
- ** RO1AM-17526-01 Chylomicron lecithin—Pathways of origin in intestine (rats)
- RO1AM-17562-01 and nucleation
- ** RO1AM-18084-01 Thermodynamic studies of bile acid micellar solutions
- ** RO1CA-08315-10 Steroid induced changes in cultured malignant cells
- RO1CA-15370-01 Tumor virus lipids—(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- P13DE-02623-08 0014 Center for oral health research - Gingival lipids (human, swine)
- PO1ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
- PO1ES-00044-10 0004 Mechanisms of pesticide action - Intermediary metabolism of phospholipids (insects, mice)
- PIOES-00210-07 0017 Center for environmental management - Lipid chemical interaction
- RO1ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
- RO1ES-00743-03 Mechanisms of enzymatic dechlorination (rats, human)
- RO1EY-01092-02 Biosynthesis of retinal phospholipids (rats)
- RO1GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
- RO1GM-10224-12 Conformational analysis by NMR
- RO1GM-14772-07 Water transport across epithelial membranes (rabbits)
- RO1GM-15692-07 Red cell ion transport and lipid bilayers (human, dogs, flies)
- RO1GM-19684-02 Ionophores, transport, and membrane structure
- RO1GM-21149-01 Electronic and Raman spectral studies of membranes
- PO1HD-00781-11 0017 Studies on prematurity - Clinical studies in pregnancy (human)
- RO1HD-02370-08 Erythrocyte membrane sulfolipids and Rh activity (human)
- RO1HD-02459-08 Ultrastructural studies of the lung (rabbits)
- RO1HD-02871-08 Phospholipid metabolism during development (rats)
- PO1HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)
- PO1HD-03015-08 0028 Program for developmental biology - Pulmonary oxygen toxicity (rabbits)
- PO1HD-03015-08 0035 Program for developmental biology - Respiratory distress syndrome indicators in amniotic fluid (human)
- PO1HD-03352-07 0014 Wisconsin center on mental retardation - Lipid analysis of brain subcellular fractions during development
- RO1HD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
- ** RO1HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- PO1HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
- ** RO1HD-06311-03 Lung lecithin synthesis—normal and asphyxial (sheep, rats)
- ** PO1HL-06664-13 0028 Cardiopulmonary function in remediable vascular disease - Management of patients with respiratory distress syndrome (human, lambs)
- RO1HL-12528-06 NMR relaxation of liquid crystal systems
- RO1HL-12650-06 Environmental pathobiology of the lung (rodents)
- RO1HL-13045-05 Pulmonary artery occlusion—Effect on lung metabolism (dogs)
- RO1HL-13513-03 Use of cell inhomogeneity to understand cation fluxes (dogs)
- RO1HL-13921-03 Interaction between electrolytes and respiration (human, rats)
- RO1HL-13980-03 Function of fatty acid isomers in serum components (mammals, birds)
- RO1HL-14112-03 Estrogenic effects of blood vessels—A dichotomy (primates)
- P17HL-14136-04 0007 Obstructive lung diseases - Respiratory distress and pulmonary surfactant (rats, rabbits)
- P17HL-14147-04 0003 Specialized center of research in thrombosis - Application of physical and chemical studies of lipid surfaces
- P17HL-14152-04 0001 Pulmonary specialized center of research - Surface active lipoprotein in fetal lung (human, monkeys)
- P17HL-14152-04 0003 Pulmonary specialized center of research - Cellular synthesis of surface-active material in ROS (rats, monkeys)
- ** P17HL-14152-04 0004 Pulmonary specialized center of research - Surface properties of naturally occurring lecithins (dogs)
- P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
- P17HL-14179-04 0023 Center for the study of lung disease - Fetal lung development and lung surfactant (rabbits, rats, monkeys)
- ** P17HL-14194-04 0006 Pathophysiology of atherosclerosis - Lipid binding between ape LP-alanine and phosphatidyl choline (human)
- P17HL-14194-04 0011 Pathophysiology of atherosclerosis - Lipid-APO lipoprotein interaction—Density gradient ultracentrifugation (human)
- P17HL-14201-04 0007 Pulmonary disease research center - Metabolism and regulation of pulmonary surface active material (human, animals)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- ** P17HL-14214-04 0003** Neonatal lung center - Fetal and neonatal lung studies (human, lambs, rats)
P17HL-14214-04 0005 Neonatal lung center - Recovery process in HMD (human, lamb)
P17HL-14214-04 0015 Neonatal lung center - Lipid synthesis in lungs of newborn (human, sheep)
P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
P17HL-15088-03 0004 Diffuse granulomatous and fibrotic pulmonary disease - Type II alveolar cell in lipid exchange and in lung response to granulomas (dogs)
R01HL-15273-02 Metabolism of pulmonary surfactant (rats)
R01HL-15585-02 Membranous enzymes-Involvement with phospholipids (E coli, rats)
P01HL-16137-01 0007 Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)
P01HL-16137-01 0009 Alveolar biology - Physico-chemical properties of the surfactant system-Individual components
P01HL-16137-01 0011 Alveolar biology - Pathology of alveoli and the surfactant system-Chemistry and biosynthesis
R01HL-16725-01 Physiological regulation of pulmonary surfactant (dogs)
R23HL-17161-01 Hormone-mediated differentiation of mouse lung cells
R23HL-17199-01 Respiratory distress syndrome-An experimental model (rats)
**** R01HL-17239-01** Enzymes for lecithin synthesis in neonatal human lung
R01HL-17328-01 Lung growth in vivo and in vitro-Hormonal influences (rats)
R01NS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
R01NS-09471-02 Folic acid deficiency and brain development (mice, rats)
R01NS-10837-01 Model studies of myelin stability
MO1RR-00210-10 0029 General clinical research center-Maternal-child - Amniotic fluid studies
**** P07RR-00711-02 0003** High frequency NMR biotechnology resource - Structure of gangliosides in vesicles
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, LYSOLECITHIN**
R01AM-05472-13 Lipid transport into cells (human, toads, bacteria)
R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
R01AM-17281-01 Bile salts as atypical surfactants and solubilizers
R01AM-17526-01 Chylomicron lecithin-Pathways of origin in intestine (rats)
P01CA-10815-06 0046 Consolidated basic cancer research program - Structural changes in chromatin of spermiogenic cells (mammals)
**** P01CA-10815-06 0055** Consolidated basic cancer research program - Fusion factors effective in heterokaryonization (human, mice, hamsters)
P13DE-02623-08 0014 Center for oral health research - Gingival lipids (human, swine)
**** R01EY-00703-04** Biochemical studies in normal and cataractous lenses (human, rabbits)
P01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
R01HL-09744-10 Experimental vascular sclerosis (monkeys)
R01HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDIC ACIDS**
R01AM-09000-10 Hepatic lipid metabolism, control and ethanol effects (rats)
R01AM-10733-08 Control of phospholipid metabolism (dogs, rats)
R01CA-11949-05 Biosynthetic mechanisms for ether bonds in lipids (rats)
P13DE-02623-08 0014 Center for oral health research - Gingival lipids (human, swine)
R01GM-21400-01 A chemical regulator of phospholipid metabolism
R01HL-03632-16 Structure and synthesis of milk lipids (ruminants, rats)
**** R01NS-08841-05** Metabolism of phosphatidic acid in brain (guinea pigs, rats)
R01NS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL ETHANOLAMINE**
R01AA-00204-03 Alcohol and diet effects on lipid metabolism in heart (rats)
**** R01AM-10166-09** Characterization and isolation of lecithins (rats)
R01CA-15370-01 Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
P13DE-02623-08 0014 Center for oral health research - Gingival lipids (human, swine)
- R01GM-19822-15** Metabolism and function of complex lipids (E coli)
**** R01HD-02871-08** Phospholipid metabolism during development (rats)
**** R01HL-02063-19** Biochemistry and function of lipids and cell membranes (human, rats)
P01HL-06374-14 0013 Expansion of research in a hematologic center - Action of phospholipids in blood coagulation (dogs, cattle)
P17HL-14147-04 0003 Specialized center of research in thrombosis - Application of physical and chemical studies of lipid surfaces
P17HL-14179-04 0023 Center for the study of lung disease - Fetal lung development and lung surfactant (rabbits, rats, monkeys)
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE**
R01CA-15370-01 Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
R01GM-19822-15 Metabolism and function of complex lipids (E coli)
R01GM-20501-01 Action of lipolytic enzymes (bacteria, protozoa, snake venom)
**** R01HD-02871-08** Phospholipid metabolism during development (rats)
**** R01HL-02063-19** Biochemistry and function of lipids and cell membranes (human, rats)
P01HL-06374-14 0013 Expansion of research in a hematologic center - Action of phospholipids in blood coagulation (dogs, cattle)
P17HL-14147-04 0003 Specialized center of research in thrombosis - Application of physical and chemical studies of lipid surfaces
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHONITRIDES**
R01AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
**** R01AM-17524-01 0004** Role of ciliostatic factor in cystic fibrosis - Regulatory control of membrane phospholipids in CF (human)
R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
R01CA-13214-03 Metabolism by normal and leukemic leukocytes (human)
P13DE-02623-08 0014 Center for oral health research - Gingival lipids (human, swine)
P01EY-00331-08 0003 Retinal morphology, function and clinical characteristics - Functional biochemistry (frogs, rats, cattle, rabbits)
R01EY-01406-01 Retina-Photoreceptor membrane synthesis and function (human, frogs, fish)
**** R01HD-02871-08** Phospholipid metabolism during development (rats)
R01HL-13715-04 Myocardial adenyl cyclase (human, rabbits)
R01MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)
**** R01NS-03101-14** Phospholipids of the nervous system (animals)
**** R01NS-10541-03** Biochemistry of lipids of brain and other tissues (rats)
**** R01NS-12047-04 0001** Role of lipids and lipoproteins in membranes - Brain polyphosphoinositides (rats)
R01NS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
- PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PLASMALOGENS**
**** R01AI-08903-06** Structure and function of bacterial lipids
R01AI-10098-04 Lipid biosynthesis in Clostridium butyricum
R01AM-15172-10 Alkoxy and alkylglyceryl ethers and derivatives (human, rats, mice)
**** R01CA-11949-05** Biosynthetic mechanisms for ether bonds in lipids (rats)
R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
R01CA-15047-01 O-alkyl lipids in surface membranes of tumor cells (rats, dogs, human)
**** P01HL-08214-11 0025** Chemical and biological properties of lipids - Biosynthesis and biological functions of plasmalogen
**** R01NS-08291-04** Myelin biosynthesis and turnover (human, mice)
**** R01NS-08841-05** Metabolism of phosphatidic acid in brain (guinea pigs, rats)
R01NS-09909-03 Ether and ketone containing lipids during brain development (rats)
**** R01NS-10013-02** Phospholipid biosynthesis in developing brain (rats, pigs)
**** R01NS-10278-03** Enzymatic synthesis of plasmalogen in heart and brain (rats)
- PHOSPHOLIPIDS, PHOSPHOSPHINGOLIPIDS, SPHINGOMYELINS**
R01AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
- P01CA-14599-01 0019** University of Chicago Cancer Research Center - Organization of lipids in plasma membranes (rats)
P13DE-02623-08 0014 Center for oral health research - Gingival lipids (human, swine)
R01GM-17724-04 Plasma membrane structure, function and biogenesis (rats)
R01GM-19684-02 Ionophores, transport, and membrane structure
P01HD-00781-11 0017 Studies on prematurity - Clinical studies in pregnancy (human)
P01HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)
P01HD-03015-08 0035 Program for developmental biology - Respiratory distress syndrome indicators in amniotic fluid (human)
**** R01HD-04380-04** Biochemical development of surface activity of lung (human, mammals)
P01HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
R01HL-03632-16 Structure and synthesis of milk lipids (ruminants, rats)
P01HL-08974-10 0003 Natural and experimental atherosclerosis - Lipids of atherosclerotic lesions (human)
R01HL-09744-10 Experimental vascular sclerosis (monkeys)
R01HL-10878-08 Structure and function of serum lipoproteins (human)
MO1RR-00210-10 0029 General clinical research center-Maternal-child - Amniotic fluid studies
- PHOSPHOLIPIDS INHIBITORS**
P17HL-15088-03 0005 Diffuse granulomatous and fibrotic pulmonary disease - Effect of ouabain and ethacrynic acid on palmitate incorporation into lung
- PHOSPHOMONOESTERASES**
R01AM-17524-01 0004 Role of ciliostatic factor in cystic fibrosis - Regulatory control of membrane phospholipids in CF (human)
R01CA-13449-02 Antitumor components from animal venoms (mice)
R01HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
R01NS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)
- PHOSPHOMONOESTERASES, ACID PHOSPHATASE**
R01AI-05663-11 Interaction of alveolar macrophages and mycobacteria (rabbits)
R01AI-06591-10 Chediak-Higashi syndrome and disease susceptibility (human, mink, mice)
R01AI-07012-09 The physiology of macrophages (mice, human, rabbits)
R01AM-10446-06 Magnesium nutrition and pathological calcification (rats)
R01AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
R01AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
R01CA-06081-13 0008 Ultrastructural pathology - Experimental malignant lymphoma studies (Guinea pigs, mice)
R01CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
**** P01CA-08748-09 6525** Research program of Sloan-Kettering Institute - Lysosomes in mice with Chediak-Higashi syndrome
P02CA-12197-03 0004 Multidisciplinary oncology research center - Metabolism of leukocytes in myeloproliferative disorders (human)
P02CA-12197-03 0007 Multidisciplinary oncology research center - Effect of colchicine on leukocyte metabolism (human)
P02CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)
R01CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
**** R26CA-15126-02** Acid and alkaline phosphatases in prostatic cancer (human)
R26CA-15766-01 Monolayer cultures of human prostate carcinoma (also hamsters)
R26CA-16077-01 Drug development for prostatic carcinoma (human, hamsters)
N01CB-44004-00 Genetic polymorphism in high and low risk breast cancer families
P13DE-02668-08 0005 Dental research center - Neural mechanisms (mammals nonhuman)
R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
R01DE-03796-03 Statholith differentiation in Aurelia (jellyfish)
R01DE-03818-01 Role of the osteoclast in tooth eruption (rats)
P10ES-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P10ES-00159-09 0021 Center for study of the human environment - Toxic metals and specific brain structures (rabbits)
- R01ES-00404-06 Carbon monoxide and cultured heart cells (rats)
- R01ES-00583-04 Response of alveolar macrophages to inhaled particles (rabbits, guinea pigs)
- R01ES-00900-02 Effect of toxic metals on specific brain structures (rabbits)
- R01EY-01292-01 Histochemical changes in experimental cataracts (rabbits)
- R01FD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
- R01GM-17929-03 Diagnostic profiling with phosphate electrodes
- P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- R01GM-20817-01 Mechanisms of enzymatic catalysis (human, bacteria)
- R01GM-21047-01 Electron diffraction of membrane phospholipids
- ** R01GM-21368-01 Role of lysosomal L-tartrate inhibitable phosphatase (rats, fungi)
- R01HD-04252-06 Tissue culture in hereditary disorders (human)
- R01HD-05196-04 An approach to human development with cell hybrids (human, mice)
- ** P01HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
- R01HD-06734-03 Functional cytology of placenta and fetal membranes (human, rodents)
- R01HD-12506-03 Male reproductive tract (rats)
- P01HL-08203-12 0029 Renal homotransplantation in man - Long term canine kidney preservation
- P17HL-15098-03 0002 Special center of research - Environmental lung disease - Enzyme activity alteration (monkeys)
- R01INS-06856-08 Storage disease - Intracellular transport and digestion (human, animals, plants)
- ** P01NS-07376-07 0007 Univ Chicago head injury center - Enzymatic studies in head injury (cats)
- P01NS-08711-04 0004 Fundamental studies relating to multiple sclerosis - Histochemical studies of EAE (human, animals)
- P01NS-11066-01 0004 Fundamental studies in spinal cord injury - Neuropathological studies of spinal cord injuries (human, animals)
- R01NS-11069-01 Effect of centropheoxazine on lipofuscin pigment (guinea pigs, rats, mice)
- PHOSPHOMONOESTERASES, ALKALINE PHOSPHATASE**
SEE ALSO METABOLIC DISORDERS INBORN, HYPOPHOSPHATASIA
- R01AM-02131-17 0006 Trace lipids in cell function - Vitamin D
- R01AM-07266-11 Activation and inhibition in calcification (rats)
- R01AM-09070-10 Metalloenzyme synthesis and function (bacteria)
- R01AM-09221-10 Physico-chemical studies of enzymic hydration (human, cattle, plants)
- R01AM-09226-10 Regulation of enzyme synthesis (bacteria)
- P01AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- R01AM-10571-08 Enzyme regulation in liver disease (rats)
- R01AM-10742-08 Medets for enzymic phosphorylation and hydrolysis
- R01AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- R01AM-14528-05 Inborn errors of metabolism in cell culture (human)
- R01AM-14686-04 Intestinal calcium transport (human, rats)
- R01AM-14974-04 Cellular mechanisms of calcification (cattle)
- R01AM-15022-03 Cyanocobalamin derivatives and growth and development under stress (mice)
- R01AM-15684-03 Chemistry and metabolism of polysaccharides (human, mice, bacteria)
- ** R01AM-15752-03 Characteristics of leukocyte alkaline phosphatase (human)
- R01AM-15851-03 Liver plasma membrane protein turnover in cholestasis (rats)
- R01AM-17176-01 PAC and EPR studies of metalloenzyme structure
- R01AM-17750-01 Functional organization of the intestinal brush border (guinea pigs, mammals)
- R01CA-06420-13 Karyotype and phenotype of malignant cells (human, rats, hamsters)
- P01CA-06927-12 0026 Biological and biochemical program in cancer research - Influence of nutrition upon aging (rats)
- R10CA-07190-12 Eastern cooperative oncology group
- ** P01CA-08748-09 5727 Research program of Sloan-Kettering Institute - Isoenzymes of serum and tissue alkaline phosphatase (human)
- P01CA-08748-09 5728 Research program of Sloan-Kettering Institute - 5-Prime nucleotidase assay-automated (human)
- P01CA-08748-09 5921 Research program of Sloan-Kettering Institute - Serum enzyme alterations in renal necrosis (dogs)
- P01CA-10815-06 0047 Consolidated basic cancer research program - Morphogenetic substances in early embryogenesis (ascidians)
- R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- ** P02CA-12178-04 0010 Radiotherapy-oncology center - Cooperative study of isoenzymes in therapeutic radiology
- R01CA-12188-03 0001 Mechanisms of enhanced asparaginase therapy - Impairment of host exogenous enzymes removal from blood by LDH-virus (mice)
- P02CA-12197-03 0004 Multidisciplinary oncology research center - Metabolism of leukocytes in myeloproliferative disorders (human)
- P02CA-12197-03 0007 Multidisciplinary oncology research center - Effect of colchicine on leukocyte metabolism (human)
- P02CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)
- P02CA-12247-03 0005 Pediatric oncology center - Tumor characterization (human)
- R01CA-12389-04 Immunologic studies of gastrointestinal cancer (human)
- R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)
- ** R01CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
- ** R01CA-13533-03 Ectopic placental proteins in cancer (human)
- ** R26CA-15126-02 Acid and alkaline phosphatases in prostatic cancer (human)
- ** R01CA-16309-01 Carcino fetal isoferritins (human)
- R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
- P01CA-16359-01 0030 Cancer center support grant - Gastro-intestinal lymphoid tissues (rabbits, E coli)
- R01DE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
- R01DE-02241-09 Analysis of some functions of the enamel organ (rats)
- P13DE-02668-08 0012 Dental research center - Mineral metabolism (chick embryo, rats)
- P13DE-02668-08 0015 Dental research center - Mineral metabolism (chick embryo, rats)
- ** R01DE-03246-05 Biochemical mechanisms relevant to dental research (E coli)
- R01DE-03636-02 Phosphoproteins of calcified tissues (rats)
- R01DE-03796-03 Statolith differentiation in Aurelia (jellyfish)
- ** P10ES-00002-12 0005 Occupational and environmental health - Liver alkaline phosphatase increase after toxic exposure (rats)
- R01FD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
- R01GM-04712-18 Mechanism of enzyme action
- R01GM-08995-13 Genetic control of protein synthesis (Neurospora, yeast)
- R01GM-09320-13 Control of genome expression (bacteria)
- ** R01GM-10025-12 Xray analysis of protein structure and function (bacteria)
- R01GM-10451-11 Kinetic analysis of enzyme catalysis
- P01GM-11546-11 Quantitative genetics research (Drosophila, maize, spiders, bacteria)
- P01GM-13543-09 0001 Cellular and molecular pathology - Replicative life-span of human fibroblasts (human, animals)
- R01GM-13626-09 Control of RNA synthesis
- ** P01GM-15003-13 0003 The biological functions of metals - Alkaline phosphatase (E coli, yeast, human, Euglena)
- P01GM-15003-13 0013 The biological functions of metals - Intracellular enzyme inhibitors (human, E coli, plants)
- P01GM-15003-13 0025 The biological functions of metals - Zinc deficiency (Euglena gracilis, E coli, human, rats)
- ** P01GM-15253-08 0004 Genetics in medicine - Gene action in man - Blood, serum and enzyme population
- M R01GM-15508-07 Cell regulation and fetal proteins in neoplasia
- ** R01GM-15508-07 0001 Cell regulation and fetal proteins in neoplasia - Regulation of alkaline phosphatase (HeLa cells)
- R01GM-15508-07 0002 Cell regulation and fetal proteins in neoplasia - Role of fetal protein in neoplasia (human, rats)
- P01GM-15731-06 0001 Proteolytic enzymes - Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
- P11GM-15956-07 0005 Factors affecting the responses to drugs - Effect of fluoride on metabolic bone disease (human)
- R01GM-17172-05 NMR study of enzyme-substrate interactions (microorganisms, mammals)
- R01GM-17929-03 Diagnostic profiling with phosphate electrodes
- ** R01GM-17945-03 Differentiation of alkaline phosphatase isozymes (mice)
- R01GM-18760-03 Characterization of membrane lipoproteins (rats, cattle)
- ** R01GM-20312-02 Enzyme localization in microorganisms (E coli, bacteriophage fd)
- R01GM-20817-01 Mechanisms of enzymatic catalysis (human, bacteria)
- ** R01GM-21712-01 Physiological role of membrane bound alkaline phosphatase (Bacillus subtilis)
- R01HD-03490-20 Functional differentiation of small intestine (chickens, rats, mice)
- R01HD-07497-01 Aging in the kidney (rats)
- R01HL-06588-13 Reticuloendothelial system and the mechanism of shock (dogs)
- ** P01HL-06886-11 0039 Radiology-physiology cardiovascular research - Serum enzyme changes following superior mesenteric arteriography (dogs)
- R01HL-14882-02 Interactions of steroids in biological systems (human)
- ** P18HL-15169-03 0007 Comprehensive sickle cell disease center - Enzymatic radiologic and pathologic changes of liver in sickle cell anemia (human)
- ** R01NS-07156-09 Enzyme theory and relationship to function (mice)
- M01RR-00287-08 0023 General clinical research center - Trace metals and enzymes in healing wounds (human)
- ** P07RR-00636-02 0012 Special resource for NMR studies in biomolecules - Phosphate transfer mechanisms
- PHOSPHOMONOESTERASES, FRUCTOSE 1,6-DIPHOSPHATASE**
- R01AM-13150-07 Enzyme interactions in metabolic regulation (kidney-swine, rats)
- R01AM-14663-04 Inducible enzymes and sugar transport in *Arthrobacter*
- R01AM-16464-02 Anomeric specificity in glycolytic metabolism (mammals, yeast)
- R01AM-17262-01 Measurement of ligand binding to associating enzymes (bacteria)
- R01AM-17563-01 X-ray studies of hemoglobin and regulatory enzymes (human, rabbit, bacteria)
- R01AM-17664-01 Hormonal regulation of gluconeogenesis (rat liver)
- R01CA-12080-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
- P01CA-13526-03 0007 Correlated study of metabolic regulation in neoplasia - Control of key gluconeogenic enzymes (rats)
- ** P01GM-10402-12 0006 Zoophylogeny in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- R01GM-13306-09 Phosphate activation mechanisms (*Aspergillus oryzae*)
- ** R01GM-19526-03 Active sites of enzymes (rabbits, fungi)
- R01GM-20579-01 Regulatory mechanisms in carbohydrate synthesis (chloroplasts)
- PHOSPHOMONOESTERASES, GLUCOSE-6-PHOSPHATASES**
SEE ALSO METABOLIC DISORDERS INBORN, GLYCOGENOSIS
- R01AM-00567-21 Regulation of tyrosine and tryptophan metabolism (rats, human)
- ** R01AM-07141-11 Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human)
- ** R01AM-11448-08 Cellular regulation of enzyme activity (rabbits, mice)
- R01AM-13150-07 Enzyme interactions in metabolic regulation (kidney-swine, rats)
- ** P01CA-12227-04 0017 Core program in carcinogenesis - Glucose utilization and synthesis in liver (human, rats, dogs)
- R01CA-12513-04 Regulatory role of estrogen in hamster tumors
- P01CA-13526-03 0007 Correlated study of metabolic regulation in neoplasia - Control of key gluconeogenic enzymes (rats)
- P10ES-00002-12 0005 Occupational and environmental health - Liver alkaline phosphatase increase after toxic exposure (rats)
- R01GM-20316-01 Regulation of microsomal enzymes by phospholipids (Gunn rats, guinea pigs)
- R01HD-03891-06 Quantitative histochemistry of developing organs (rats)
- R01HD-05572-03 Renal functional correlates of normal pregnancy (rats)
- ** R01HD-05761-04 Membrane function in aging and development (rats)
- R01HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
- ** P01HL-16251-01 0015 Membrane-bound enzymes in heart and other tissues - Purification of microsomal glucosyltransferase and glucose-6-phosphatase (rats)
- M01RR-00030-13 0001 General clinical research center - Glycogen storage disease (human)
- M01RR-00084-12 0005 General clinical research center - children - Glycogen storage disease

(contd)

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PHOSPHOMONOESTERASES, 5'-NUCLEOTIDASE

- ** PO1CA-08748-09 5728 Research program of Sloan-Kettering Institute - 5-Prime nucleotidase assay-automated (human)
- R26CA-14906-02 Enzymes of normal and malignant intestinal mucosa (rats, human)
- ** RO1GM-17724-04 Plasma membrane structure, function and biogenesis (rats)
- PO1HD-06276-03 0074 Mental retardation research program - Enzymology (rats)

PHOSPHOMONOESTERASES, PHOSPHORYLASE PHOSPHATASE

- ** RO1GM-09587-13 Enzyme structure and action on macromolecules (E. coli, rabbits, lobsters)
- RO1HD-06489-03 Cyclic AMP in female reproductive hormone action (human, rats)

PHOSPHOMONOESTERASES, PHYTASE

- RO1MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)

PHOSPHOMUTASES, PHOSPHOGLUCOMUTASE

- ** RO1AI-09116-06 Tissue enzymes and plasma proteins (rabbits)
- RO1AI-10141-04 Physiologic-genetic regulation of cell wall biosynthesis (bacteria, bacteriophage)
- RO1AM-13351-07 NMR studies of enzyme-metal-substrate interactions
- RO1AM-18087-01 Effect of guanidine derivatives on biological systems (mammals)
- PO1CA-12227-04 0017 Core program in carcinogenesis - Glucose utilization and synthesis in liver (human, rats, dogs)
- NO1CB-44004-00 Genetic polymorphism in high and low risk breast cancer families
- ** RO1GM-08963-12 Mechanism of the group transfer process (frogs, rats)
- PO1GM-11546-11 Quantitative genetics research (Drosophila, maize, spiders, bacteria)
- PO1GM-15253-08 0036 Genetics in medicine-Gene action in man - Functioning and modification of the embryonic genome during preimplantation (mic)
- PO1GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- PO1GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)

PHOSPHOMUTASES, PHOSPHOGLYCEROMUTASE

- PO1GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
- RO1GM-20479-01 Affinity labeling of glycolytic enzymes (rabbits)
- ** PO1HL-10098-10 0029 Primates in cardiovascular research - Iron deficiency anemia and iron utilization

PHOSPHONATES

- SEE ALSO AMINO PHOSPHONIC ACIDS
- RO1AI-09648-04 Immunologically activated enzyme systems of cells (rats, rabbits)
- RO1AM-04247-14 Calcium metabolism and skeletal physiology (rats)
- PO2AM-04501-13 0021 Metabolic disease research center - Calcification studies (human)
- RO1AM-11702-06 Phosphate reaction mechanisms of biochemical interest
- RO1CA-14322-02 Anticancer action and mechanism of nucleotide analogs
- PO1ES-00044-10 0002 Mechanisms of pesticide action - Molecular basis for comparative toxicity (insects, mammals nonhuman)
- ** PO1ES-00049-10 0024 Mode of action and metabolism of organic toxicants - Synergists for insecticide chemicals-Metabolism and mode of action (mammals)
- RO1GM-12307-10 Specific counterion binding by polyelectrolytes
- ** RO1GM-13863-09 Lipid metabolism (swine, primates)
- ** RO1GM-20511-01 Enzyme model systems containing aminethylphosphonic acids
- ** MO1RR-00036-14 0081 General clinical research center - Polyphosphate therapy of myositis ossificans progressiva (human)
- ** MO1RR-00068-12 0046 General clinical research center - Diphosphate for calcinosis with connective tissue diseases (human)
- PHOSPHONATES, DIPHOSPHONATES**
- RO1AM-07266-11 Activation and inhibition in calcification (rats)
- RO1AM-09579-09 Chemistry and localization of protein hormones (human)
- RO1AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
- PO1DE-02849-06 0034 Mechanism and treatment of periodontal disease - To determine the bone seeking isotope of choice
- MO1RR-00031-14 0062 General clinical research center - Therapy evacuation in chronic skeletal disease (human)
- MO1RR-00036-14 0044 General clinical research center - Pagets disease (human)

- ** MO1RR-00036-14 0103 General clinical research center - Treatment of ectopic calcification with diphosphonate (human)
- ** MO1RR-00071-11 0057 General clinical research center - Effect of diphosphonate in Paget's disease (human)
- ** MO1RR-00079-12 0117 General clinical research center - Diphosphonates for Paget's disease, effect of EHDP on renal calculi (human)

PHOSPHONITRILES

SEE PHOSPHAZENES

PHOSPHONIC COMPOUNDS

SEE ALSO PHOSPHINES

- RO1CA-11967-10 Properties of cyclic P CPDS-potential carcinostats

PHOSHOPEPTIDES

SEE ALSO PHOSPHOPROTEINS

- ** RO1AM-17776-01 Phosphopeptide metabolism in adipocytes (rats)
- RO1EY-00225-13 Studies on lens metabolism (rats, rabbits)
- RO1GM-19875-02 Enzymes of 2,3-diphosphoglycerate metabolism (human, rabbits, yeast)

PHOSPHOPROTEIN KINASES

SEE PHOSPHOTRANSFERASES, ATP-PHOSPHORYLASE

SEE PHOSPHOTRANSFERASE, ATP-PROTEIN

SEE PHOSPHOTRANSFERASES, ATP-PROTEIN PHOSPHOTRANSFERASE

PHOSPHOPROTEINS

SEE ALSO ALBUMINS, OVALBUMIN

SEE ALSO PHOSHOPEPTIDES

- SEE ALSO PROTEASES AND PEPTIDASES, PEPSIN
- PO1AM-08305-11 0001 Cystic fibrosis and pulmonary disease - Biochemistry of exocrine secretions (human, rats)
- RO1AM-12386-08 Studies on biological transport mechanisms (chickens)
- RO1AM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
- RO1AM-13774-05 Glucose-insulin interactions with cell membranes (rats)
- ** PO1AM-15671-04 0008 The biology of skeletal and other connective tissues - Enamel proteins-chemistry and structure (cattle)
- ** PO1AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
- PO1AM-16716-01 0016 Pathophysiological bases of muscle diseases - Phosphate binding sites of muscle glycolytic enzymes (rabbits)
- ** PO1AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)
- RO1AM-16928-01 Renal transport mechanisms
- PO1AM-17433-01 0010 Cardiovascular, metabolic aspects of membrane transport - Ion transport in intestine (rabbits, guinea pigs)
- RO1CA-07746-11 Proteins of the coil nucleus (rodents, sea urchins)
- ** RO1CA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
- R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- ** RO1CA-15062-01 Normal and cancerous prostate (human, rats)
- RO1CA-15155-01 Cyclic AMP-Role in adrenal tumor steroidogenesis (rats)
- PO1CA-16228-01 0004 Cell membrane in proliferation and oncogenesis - Cyclic GMP control of proliferation and cell function (mice, human)
- RO1CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
- ** RO1DE-01374-14 State of collagen in calcified tissues
- ** RO1DE-03636-02 Phosphoproteins of calcified tissues (rats)
- PO1GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
- PO1GM-19100-03 0023 Genetics research center - RNA and ribosome synthesis (HeLa cells, yeast)
- RO1GM-19972-05 Biochemistry of membrane and catalytic proteins (bacteria, plants)
- RO1GM-21181-01 Control of active cation transport
- PO1HD-05342-04 0014 Mental retardation and brain development - Isolation of a calcium-binding protein from brain (swine, goats, electric fish)
- PO1HD-05969-03 0002 Events that control fertilization - Protein phosphorylations as control mechanism in sperm (monkeys, cattle)
- RO1HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
- RO1NS-07457-08 Brain function and the metabolism of macromolecules (mice)
- RO1NS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
- RO1NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
- ** RO1NS-11252-01 Function of a brain calcium-binding protein (rats, mice)

- RO1NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)

PHOSPHOPROTEINS, CASEIN

- RO1AI-11241-02 Biochemical tissue necrosis by Clostridium histolyticum (mice, rabbits)
- RO1AM-15144-03 Anemia, pancreatic atrophy, defined diets (rats, mice)
- RO1AM-15197-03 Amino acid metabolism in experimental uremia (rats)
- PO1AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)
- RO1AM-17299-02 0003 Induction and suppression of urea cycle enzymes - Induction by amino acids (rats)
- RO1FD-00117-09 Hydrophobic colloid interactions in foods
- RO1FD-00568-01 Chemical improvement of proteins for food uses (fish, eggs, casein, soy beans)
- RO1HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
- RO1HL-15185-02 Progressing fibrosis of lungs (guinea pigs)
- RO1HL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)

PHOSPHOPROTEINS, PHOSVITIN

- RO1GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)
- RO1GM-19258-02 Regulation of gene expression by sex hormones (human, mice, chickens)
- RO1HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)

PHOSPHOPROTEINS, VITELLINS

SEE ALSO EYE, LENS PROTEINS

SEE ALSO PHOSPHOPROTEINS, PHOSVITIN

- RO1AM-10214-09 Lipid-protein binding in lipoproteins (chickens)
- RO1HD-08645-01 Biochemistry of sperm-egg binding

PHOSPHOPYRUVATE HYDRATASE

SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

PHOSPHORAMIDES

SEE ALSO PHOSPHORODIAMIDIC ACID

- PO2CA-06551-11 0014 Cancer clinical research - Drug metabolism (human, rats, mice)
- RO1CA-11045-06 New syntheses of cyclophosphamide and TEPA analogs
- PO1CA-15396-01 Bone marrow transplantation program in human disease
- RO1GM-10265-12 New methods for synthesis of polymucleotides
- RO1NS-02763-14 Molecular association of barbiturates in crystals
- RO1NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)

PHOSPHORANES

SEE ALSO PHOSPHINES

- ** RO1CA-10737-10 Reactions of organophosphorus compounds

PHOSPHORESCENCE

SEE OPTICS, LIGHT EMISSION, PHOSPHORESCENCE*

PHOSPHORIBOSYLAMINES

SEE PENTOSE, PHOSPHORIBOSYLAMINES

PHOSPHORIBOSYL PYROPHOSPHATE

AMIDOTRANSFERASE

SEE GLYCOSYLTRANSFERASES, RIBOSYLAMINE-5-PHOSPHATE-PYROPHOSPHATE PHOSPHORIBOSYLTRANSFERASE

PHOSPHORIBOSYL PYROPHOSPHATE

SYNTHETASE

SEE PHOSPHOTRANSFERASES, RIBOSEPHOSPHATE PYROPHOSPHOKINASE

PHOSPHORIC ACID ANHYDRIDES

- RO1CA-11196-06 Chemistry and enzymology of anticancer purine analogs

PHOSPHORIC ESTERS

SEE PHOSPHATES, PHOSPHORIC ESTERS

PHOSPHORINS

SEE ALSO HALOALKYLAMINES, CYCLOPHOSPHAMIDE

- RO1CA-16158-01 Synthesis and stereochemistry of new anticancer drugs

PHOSPHORODIAMIDIC ACID

- RO1CA-06800-12 Western cooperative cancer chemotherapy group
- RO1CA-12985-03 Western cooperative cancer chemotherapy group
- PO2CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemia cells (mice)

PHOSPHOROUS ESTERS

SEE PHOSPHITES, PHOSPHOROUS ESTERS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly in above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

PHOSPHORUS

- P02AM-04501-13 0021 Metabolic disease research center - Calcification studies (human)
- R01AM-04652-14 Intestinal absorption of mineral ions (chickens)
- R01AM-09096-09 Nutritional influences on bone (human, rats)
- R01AM-14496-03 Interaction of parathyroid hormone with bio-membranes (rats)
- R01AM-15979-01 Effect of oxymetholone, F, and P, on demineralized bone
- R01AM-16502-03 Mineral transport in teeth and soft tissues (rats)
- P13DE-02623-08 0010 Center for oral health research - Mitochondrion and the mineralization process (chickens)
- ** R01DE-03867-01 Uptake of hydroxyapatite phosphorus by oral bacteria
- ** R01DE-03975-01 Substitution for phosphorus in calcium apatite
- R01GM-05919-16 0019 Enzymatic activities of mitochondria - P:O ratio of oxidative phosphorylation in intact mammalian cells
- P01GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
- ** R01GM-17575-03 Pentacovalent phosphorus intermediate in RNase A
- ** R01GM-19173-11 Aromaticity and synthesis
- R01GM-19478-03 Microanalysis using gas chromatography
- ** R01GM-20992-01 Phosphorus analogues of biologically active pyridines
- P01HD-04872-04 0003 Metabolism and aging - Bone quality in osteoporosis (human, rats)
- R01HD-06458-02 Neonatal mineral metabolism
- P01HD-07578-01 0006 Growth and nutrition of normal infants - Minerals-Calcium, phosphorus, magnesium (human)
- ** P01HL-10342-09 0013 Cardiovascular, pulmonary, and behavioral studies - Hypercapnia, serum phosphorus, and muscle performance (dogs, rats)
- M01RR-00044-14 0060 General clinical research center - Diseases of ectopic calcification (human)
- ** M01RR-00046-14 0052 General clinical research center - Dietary Ca:P ratios in human
- ** M01RR-00107-11 0022 General clinical research center - Phosphorus feeding in hypercalcemia (human)
- M01RR-00714-02 0010 General clinical research center - Urology-Homeostasis of serum, calcium and phosphorus

PHOSPHORUS, RADIOLABELED

SEE RADIOLABELED PHOSPHORUS*

PHOSPHORUS 32

SEE RADIOISOTOPES, PHOSPHORUS 32

PHOSPHORUS BALANCE (METABOLISM)

SEE CALCIUM (MINERAL) BALANCE, PHOSPHORUS BALANCE (METABOLISM)

PHOSPHORUS COMPOUNDS (GENERAL)

SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES

- R01AM-11702-06 Phosphate reaction mechanisms of biochemical interest
- ** R01CA-05507-14 Organophosphorus compounds for anticancer screening
- R01CA-07182-11 Heterocyclic compounds containing phosphorus
- ** R01CA-10737-10 Reactions of organophosphorus compounds
- R01CA-11967-10 Properties of cyclic P CPDS-potential carcinostats
- R01CA-13123-03 Hydrazo, nitroso and adamantyl phosphorus oncolytics
- R01CA-14477-02 Potential anti-tumor agents and esterase inhibitors
- ** P10ES-00002-12 0008 Occupational and environmental health - Action of organophosphate insecticides (rats)
- ** P10ES-00002-12 0009 Occupational and environmental health - Organophosphate toxicity and tissue hydrolases (rodents, chickens, frogs, fish)
- ** P10ES-00002-12 0010 Occupational and environmental health - Inhalation toxicology (rats)
- P01ES-00044-10 0001 Mechanisms of pesticide action - Purification and characterization of cholinesterase (horse serum)
- P01ES-00049-10 0002 Mode of action and metabolism of organic toxicants - Pyrethroids metabolism (rats, mice, flies)
- ** P01ES-00049-10 0013 Mode of action and metabolism of organic toxicants - Organophosphorus insecticides-Selective toxicity, terminal residues (rats)
- ** P01ES-00049-10 0014 Mode of action and metabolism of organic toxicants - Thionophosphorus insecticides-Mixed function oxidase system (rodents, flies)
- P01ES-00049-10 0016 Mode of action and metabolism of organic toxicants - Biochemistry of teratogenesis induced by esterase inhibitors (mice, rats)
- P01ES-00049-10 0017 Mode of action and metabolism of organic toxicants - Sublethal effects of organophosphorus compounds and methyl carbamates in insects
- ** P01ES-00049-10 0025 Mode of action and metabolism of organic toxicants - Polycyclic phosphorus compounds with toxicological properties (mice, chicks)
- ** R01ES-00075-10 Enzyme mechanism of insecticide metabolism (rats)
- R01ES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)
- R01ES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)
- R01ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- R01ES-00205-21 Insecticide metabolism in animals and microorganisms (plants, insects, mammals)
- P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
- R01ES-00507-15 Toxicologic interactions of insecticides (rats, mice)
- R01ES-00560-03 Perinatal pesticide toxicity (mice, rats)
- P01ES-00597-04 0005 Food-borne environmental toxicants - In vivo alkylation of environmental agents (rats)
- ** R01ES-00619-03 Mechanism of tolerance to organophosphorus insecticides (rats)
- ** R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
- R01ES-00814-05 Mode of action of insecticides (American cockroach, flies)
- R01ES-00901-14 Mechanisms of insecticide selectivity (housefly, electric fish)
- P01GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
- R01HL-13527-04 Conformation studies on modified hemoglobins
- R01HL-14508-06 Structure and function of respiratory hemoproteins
- R01NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- ** R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- ** R01NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)
- ** R01OH-00315-11 Biochemical and physiologic response to toxic stress (rats)
- ** R01OH-00368-03 Occupational exposure to organophosphorus compounds (human)

PHOSPHORUS IMBALANCE

SEE CALCIUM (MINERAL) IMBALANCES, PHOSPHORUS IMBALANCE

PHOSPHORUS MUSTARDS

R01CA-07182-11 Heterocyclic compounds containing phosphorus

PHOSPHORUS-NITROGEN HYDROLASES, PHOSPHAMIDASE

P11GM-15477-08 0005 Drug metabolism and biochemical pharmacology - Metabolism of cyclophosphamide and separation of metabolites (rats, mice)

PHOSPHORYLASE

SEE GLYCOSYLTRANSFERASES, PHOSPHORYLASE

PHOSPHORYLASE B KINASE KINASE

SEE PHOSPHOTRANSFERASES, ATP-PROTEIN PHOSPHOTRANSFERASE

PHOSPHORYLASE (HEPATOPHOSPHORYLASE) DEFICIENCY GLYCOGENOSIS

SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE VI

PHOSPHORYLASE (MYOPHOSPHORYLASE) DEFICIENCY GLYCOGENOSIS

SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE V

PHOSPHORYLASE KINASE

SEE PHOSPHOTRANSFERASES, ATP-PHOSPHORYLASE PHOSPHOTRANSFERASE

PHOSPHORYLASE KINASE DEFICIENCY GLYCOGENOSIS

SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE VIII

PHOSPHORYLASE PHOSPHATASE

SEE PHOSPHOMONOESTERASES, PHOSPHORYLASE PHOSPHATASE

PHOSPHORYLASES

SEE ALSO GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE PHOSPHORYLASE

SEE ALSO GLYCOSYLTRANSFERASES, THYMIDINE-ORTHOPHOSPHATE DEOXYRIBOSYLTRANSFERASE

SEE ALSO GLYCOSYLTRANSFERASES, URIDINE-ORTHOPHOSPHATE RIBOSYLTRANSFERASE

SEE ALSO PHOSPHOTRANSFERASES

- ** R01AA-00194-03 0003 Effects of alcohol on gastric mucosa - Enzymatic processes (dogs, rabbits)
- R01AA-00225-07 Hematologic and metabolic studies in alcoholism (human, rats)

R01AI-03515-15 Comparative biochemistry of parasitic helminths (mice)

- R01AI-03998-12 0001 Cellular regulatory mechanisms at the molecular level - Mechanism of protein folding
- R01AI-10784-02 Variant step in glycolysis pathway by parasitic amoeba
- R01AM-03524-15 Role of vitamin B6 in metabolism (mice)
- R01AM-06815-12 0001 Inborn errors of metabolism - Carbohydrate disorders (human)
- ** R01AM-07902-11 Structure and function of enzymes (rabbits, rats, microorganisms, dogfish)
- R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- R01AM-13319-06 Insulin resistance and enzymes of glycogen metabolism (dogs, rats, human)
- R01AM-14334-06 Chemical mechanism of action of insulin (human, rats, rabbits)
- ** R01AM-16688-02 Conformational transitions of allosteric enzymes
- P01AM-16716-01 0016 Pathophysiological bases of muscle diseases - Phosphate binding sites of muscle glycolytic enzymes (rabbits)
- P17AM-17026-01 0038 Vanderbilt University Diabetes-Endocrinology Center - Regulation of skeletal muscle glycogen synthetase kinase and phosphatase
- ** P17AM-17042-01 0007 Diabetes endocrinology research center - Hormonal control of protein kinase phosphorylation (rabbits)
- R01CA-10916-13 Metabolism of normal and neoplastic tissues
- R01CA-14525-02 Biochemistry of normal and leukemic lymphocytes (human)
- R01CA-16073-01 Fetal isoenzymes as biologic markers (human)
- R01CA-16912-01 Thio and seleno sugar esters of group V acids
- ** R01GM-08822-13 Mechanism of amylase action (bacteria, swine, protozoa)
- R01GM-10451-11 Kinetic analysis of enzyme catalysis
- P01GM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)
- P01GM-15731-06 0001 Protozoal enzymes-Diversity, function, homology - Hemology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
- R01GM-17190-05 Enzyme kinetics by nuclear magnetic resonance
- R01GM-20412-02 Biochemistry of inherited variations in drug response (mice)
- R01HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
- ** R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- R01HL-01813-20 Regulation of metabolism by drugs and hormones (rats)
- P01HL-12373-06 0006 Cardiopulmonary physiology and pathophysiology - Fatty acid mobilization (human, dogs)
- P01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- P17HL-14159-04 0006 Specialized center of research in hypertension - Catecholamines and myocardial metabolism in hypertensive rats
- PHOSPHORYLASES, PYROPHOSPHORYLASES**
- SEE ALSO GLYCOSYLTRANSFERASES, IMP-PYROPHOSPHATE PHOSPHORIBOSYLTRANSFERASE
- SEE ALSO GLYCOSYLTRANSFERASES, OROTATE PHOSPHORIBOSYLTRANSFERASE
- SEE ALSO GLYCOSYLTRANSFERASES, RIBOSYLAMINE-5-PHOSPHATE-PYROPHOSPHATE PHOSPHORIBOSYLTRANSFERASE
- ** R01AM-13140-14 Mechanisms and enzymes of terpene biosynthesis (fungi, bacteria, plants)
- ** R01AM-13709-06 Structure and function of pyrophosphorylases (human, cattle, rabbits)
- ** R01GM-20011-02 Reaction mechanisms of pyrophosphokinases
- ** R01GM-20835-01 Feedback inhibition of PRATP synthetase
- R01HD-04667-05 Computer analysis of differentiation (fungi)
- PHOSPHORYLATION**
- SEE ALSO OXIDATIVE PHOSPHORYLATION
- R01AM-04842-13 Endocrine regulation of protein synthesis (rats, viruses)
- ** P01AM-07462-11 0051 Hormonal regulation of metabolism - Phosphorylation of histones and the acidic nuclear proteins in fat cells
- P01AM-07462-11 0060 Hormonal regulation of metabolism - Sodium and potassium ion-transport ATPase of guinea pig kidney
- R01AM-08350-11 Reaction between hormone and tyrosine oxidase system (rats)
- R01AM-09602-07 Amphibian metamorphosis and L-tyrosine metabolism (rats, calves, human)
- P01AM-09650-10 0007 Hormonal and ionic control of metabolism - Effect of MSH upon melanin granule migration
- R01AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- R01AM-11702-06 Phosphate reaction mechanisms of biochemical interest

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- R01AM-12028-08 Ion transport across epithelial membranes (frogs, toads, rabbits)
- ** R01AM-12842-06 Regulatory enzymes of glycogen metabolism (rabbits, rats)
- R01AM-13149-07 Hormonal regulation of control mechanisms (rats, chick)
- R01AM-13361-07 Adrenal metabolism possibly related to ACTH action (rats)
- ** R01AM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
- R01AM-14315-06 Enzymology and metabolism of 1-C and S compounds (rats, bacteria)
- R01AM-15016-04 Macromolecular reversible inhibitor of adenyl cyclase (frogs, rabbits)
- ** P01AM-15671-04 0007 The biology of skeletal and other connective tissues - Synthesis of phosphorylated polypeptides of enamel (rats)
- ** P01AM-15671-04 0035 The biology of skeletal and other connective tissues - Amino acid sequence of two phosphorylated polypeptides (cattle)
- R01AM-16105-03 Cellular action of antidiuretic hormone in the kidney (rats, dogs)
- R01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
- ** R01AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
- R01AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- R01AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)
- P17AM-17026-01 0008 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of liver metabolism
- ** P17AM-17026-01 0020 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of nuclear protein phosphorylation in isolated fat cells
- P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
- P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
- P17AM-17026-01 0044 Vanderbilt University Diabetes-Endocrinology Center - Action of insulin on heart cyclic AMP-dependent protein
- R01AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)
- R01AM-17664-01 Hormonal regulation of gluconeogenesis (rat liver)
- R01CA-05295-14 0002 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on DNA polymerase (bacteria)
- R01CA-05671-14 0002 Glucocorticoid receptors in normal and malignant tissue - Dexamethasone effects on glucose uptake and hexokinase activity
- P01CA-08748-09 0002 Research program of Sloan-Kettering Institute - Biochemical and cytochemical techniques in differentiation (rats, chick embryo)
- R01CA-10594-07 Regulatory processes in tumor virus-infected cells
- P01CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
- R01CA-10871-07 Structure and function of chromosomal nucleohistone (animals, bacteria)
- R01CA-10993-06 Processing of ribosomal RNA in human cancer (HeLa cells)
- R01CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of antitumor drugs
- ** P02CA-11198-06 0005 Cancer research center - Dihydrofolate reductase and pyrimidine phosphoribosyl transferase (human)
- R01CA-11949-05 Biosynthetic mechanisms for ether bonds in lipids (rats)
- P01CA-12227-04 0009 Core program in carcinogenesis - Sequential metabolic activation in carcinogenesis by aromatic amines and amides
- P01CA-12227-04 0019 Core program in carcinogenesis - Metabolism of nuclear proteins in dividing cells (human, mice)
- P01CA-12708-03 0001 Studies of normal and malignant growth - Phosphorylation of human erythrocyte membrane proteins
- ** R01CA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
- R01CA-12933-03 Histone metabolism in neoplastic tissues (mice, rats)
- R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)
- P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
- P01CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
- P01CA-13526-03 0008 Correlated study of metabolic regulation in neoplasia - Control mechanisms of protein biosynthesis (rats)
- R01CA-14274-02 Sugar transport and malignant transformation (mice)
- P01CA-14599-01 0017 University of Chicago Cancer Research Center - Proteins of 40S and 60S subparticles of eukaryotic liver ribosomes (rats)
- P01CA-14733-02 0018 Control of gene expression, virus replication and cell growth - Ribonuclease activity and TTP synthesis (rats)
- R01CA-14784-01 Carcinogen effects on nuclear proteins (rats)
- R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- ** R01CA-15062-01 Normal and cancerous prostate (human, rats)
- P02CA-15145-01 0002 Cancer center support grant - Prostaglandin and LH action in corpus luteum
- P02CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems
- R01CA-15155-01 Cyclic AMP - Role in adrenal tumor steroidogenesis (rats)
- ** R01CA-15683-01 Phosphoproteins and phosphorylating enzymes in neoplasia (human, cell lines)
- R01CA-15687-01 cAMP analogs as growth regulators in hepatoma cells
- ** R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
- W01CB-23857-02 Protein nucleic acid interactions (mice)
- R01EY-00654-01 Photoreaction and herbicide metabolism
- R01EY-00173-07 Monomolecular films to study visual processes (models, cattle)
- R01EY-00463-06 Molecular biology of visual receptor outer segments (frogs)
- R01EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- R01EY-01275-01 Rhodopsin structure and function (cattle)
- R01GM-06590-15 Biochemistry of alpha-keto acid dehydrogenase complexes (E. coli, rats, cattle)
- ** P01GM-06965-15 0041 Basic experimental biology - Specific phosphorylation of rhodopsin with ATP (cattle)
- ** P01GM-06965-15 0058 Basic experimental biology - Phosphorylation reaction in electricus
- R01GM-10613-12 Enzymatic and non-enzymatic reactions of acetals
- R01GM-11300-11 Metabolic controls in light-driven metabolism (blue-green algae)
- P01GM-11301-12 0008 Structure, function and biosynthesis of macromolecules - Control of gene expression and metabolic pathways (chick embryo)
- R01GM-12446-10 NMR studies of macromolecules and their interactions (rabbits, lobsters, swine)
- R01GM-12805-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)
- ** R01GM-13306-09 Phosphate activation mechanisms (Aspergillus oryzae)
- ** R01GM-14082-08 Bioacylation systems and related structural studies
- ** R01GM-14479-08 Membrane-associated phosphorylation (spinach)
- R01GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
- R01GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
- P01GM-19100-03 0023 Genetics research center - RNA and ribosome synthesis (HeLa cells, yeast)
- R01GM-19101-02 Oligosaccharide synthesis and glycosyl rearrangements
- R01GM-19378-02 Regulation of the production of mammalian ribosomes (mouse L-cells)
- R01GM-19394-02 Membrane bound and soluble glycolytic enzymes (human, rabbit)
- ** R01GM-19875-02 Enzymes of 2,3-diphosphoglycerate metabolism (human, rabbits, yeast)
- P01GM-20124-02 0006 Center for human genetics and inherited disease - Nuclear acidic proteins regulating genetic expression (mice, hamsters)
- R01GM-20523-01 Cyclic AMP and control of division in mammalian cells (tissue culture)
- R01GM-20656-16 Enzymatic oxidation and phosphorylation (yeasts)
- ** R01GM-20672-14 Superphosphorylating agents
- ** R01GM-21424-01 Effects of ribosome phosphorylation on translation (rabbit)
- R01GM-21534-01 Cytochrome structure and interaction (bacteria)
- R01HD-04592-06 Biochemistry of the male genital tract (rodents)
- R01HD-05093-12 Ion transport during development of Rana pipiens eggs
- R01HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
- ** R01HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
- R01HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, cattl)
- P01HD-07173-02 0003 Structure and function of aging human fibroblasts - Adenyl cyclase system and hormone receptors (WI 38)
- R01HD-07503-02 Biology of the testis - Action of FSH (rats)
- R01HD-08350-01 Age-related changes in chromatin proteins (rats)
- ** R01HL-01974-20 Ion-pump in the erythrocyte (rabbits, guinea pigs)
- R01HL-07565-12 Biochemical characterization of platelet components (human)
- ** P01HL-08195-12 0011 Circulatory physiology - Effect of hormones on the phosphorylation of nuclear histones (human, rats)
- R01HL-12556-06 Comparative cardiovascular physiology (animals)
- R01HL-13630-04 Control of glycogen synthesis in heart (cattle)
- R01HL-14623-02 Multiphase chemistry of human heart muscle (and dogs)
- ** R01HL-14960-06 Control of gene expression in differentiating cells (human, sheep)
- R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- R01HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
- R01HL-15692-02 Control of force development in heart and muscle (frogs)
- R01HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
- R01HL-16853-01 The contractile apparatus in cardiac hypertrophy (rabbits)
- ** R01HL-16915-01 Phosphorylation of myocardial regulatory protein (dogs)
- R23HL-17165-01 Redox state of NAD0 in erythrocytes (human)
- R01MH-17387-05 Anti-psychotic drugs - Role of cyclic AMP (human, mice)
- R01MH-18136-04 Molecular approaches to behavior (rats)
- P01MH-25515-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
- R01MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)
- R01NS-05159-11 Metabolism of inositols and inositides (rats)
- R01NS-07156-09 Enzyme theory and relationship to function (mice)
- R01NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
- P01NS-07366-07 0008 Head injury clinical center research program - Regional energy metabolism in rats
- R01NS-07457-08 Brain function and the metabolism of macromolecules (mice)
- R01NS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
- R01NS-08440-06 Metabolic basis of neural function (animals)
- R01NS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)
- R01NS-10287-19 Metabolism of serine and related compounds (rats, swine)
- R01NS-10582-02 Actin and other filaments in the growing neuron (chickens, rats)
- R01NS-10709-01 GTP and tubulin structure (sheep)
- R01NS-11310-01 Neurotransmitter biosynthesis (cattle)
- R01NS-11484-01 Effect of seizure upon energy metabolism of brain (rats)
- R01NS-11652-01 Calcium-binding protein in nervous tissue (pigs, rats)

PHOSPHORYLCHOLINE

- SEE ALSO PHOSPHOLIPIDS, GLYCEROPHOSPHORIC ESTERS, GLYCEROPHOSPHORYLCHOLINE
- SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, LECITHINS
- SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, LYSOLECITHIN
- SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PLASMALOGENS
- SEE ALSO PHOSPHOLIPIDS, PHOSPHOPHINGOLIPIDS, SPHINGOMYELINS
- R01A-09268-06 Specific suppression of cell-mediated immune responses (rats)
- R01A-11080-02 Antigen and antibody in the immune response (mice)
- R01A-11388-03 Myeloma proteins, immunochemistry and immunobiology (human)
- R01A-12235-01 Antibody dependent cell mediated cytotoxicity (mice)
- R01CA-12150-04 Unusual lipids in cancer tissue (mice, rats, human)

PHOSPHORYLETHANOLAMINE

- SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL ETHANOLAMINE
- SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PLASMALOGENS
- R01CA-12150-04 Unusual lipids in cancer tissue (mice, rats, human)

PHOSPHOSACCHALOMUTASE

- SEE ISOMERASES, GLUCOSEPHOSPHATE ISOMERASE

PHOSPHOSERINE

- SEE AMINO ACIDS, PHOSPHOSERINE

PHOSPHOTRANSFERASES

- SEE ALSO NUCLEOTIDYLTRANSFERASES
- R01A-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AI-10788-02 Variant step in glycolysis pathway by parasitic ameba
- ** R01AI-11506-01 PTS-mediated sugar transport in mycoplasmas
- R01AM-07141-11 Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human)
- ** R01AM-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
- R01AM-09851-09 Biochemistry of complex carbohydrates (bacteria, chick embryo, fungi)
- R01AM-17049-01 NMR studies of metals in kinases and related enzymes (chickens)
- R01AM-17524-01 0004 Role of ciliostatic factor in cystic fibrosis - Regulatory control of membrane phospholipids in CF (human)
- P01CA-08748-09 5801 Research program of Sloan-Kettering Institute - Normal and deranged purine intermediary metabolism (human, monkeys, rats)
- R01CA-10916-13 Metabolism of normal and neoplastic tissues
- R01CA-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
- R01CA-13604-03 Selected studies in nucleic acid metabolism
- P01CA-16127-01 0012 Cancer Research and Treatment Center Program - Cell surface in oncogenic virus-transformed mammalian cells
- R01GM-13498-09 Metal centers in biological systems
- R01GM-15766-07 Regulatory mechanisms in E coli
- P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- R01GM-20211-02 Protein/membrane function during sugar transport (S. aureus)
- R01HD-02871-08 Phospholipid metabolism during development (rats)
- R01HD-06362-03 Nucleotide metabolism in the decidual uterus (mice)
- R01HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
- P17HL-14214-04 0002 Neonatal lung center - Enzymes during development of lungs (rats, human)
- P17HL-14214-04 0019 Neonatal lung center - Cyclic AMP as mediator of ACTH response (lambs)
- R01NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)

PHOSPHOTRANSFERASES, ADENOSINE KINASE

- R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- ** R01GM-21326-01 Somatic cell hybrids for studies of human disease

PHOSPHOTRANSFERASES, ATP:AMP PHOSPHOTRANSFERASE

- ** P01AM-00002-28 0003 Metabolic and hereditary disorders - ATP transphosphorylases (human, rabbits, calves, yeast)
- R01AM-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
- R01AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
- R01AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)
- P01AM-17433-01 0015 Cardiovascular, metabolic aspects of membrane transport - Cation transport and metabolism in abnormal red cells (human)
- ** R01CA-11818-04 Adenylate kinase in normal and neoplastic tissues (rats, mice)
- P01CA-12227-04 0017 Core program in carcinogenesis - Glucose utilization and synthesis in liver (human, rats, dogs)
- ** P01CA-12227-04 0023 Core program in carcinogenesis - Liver and hepatoma isozymes of adenylate kinase (rats rabbits)
- R01CA-16073-01 Fetal isoenzymes as biologic markers (human)
- R01GM-12446-10 NMR studies of macromolecules and their interactions (rabbits, lobsters, swine)
- P01GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
- P01HD-06915-02 0002 Meternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- P01HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- ** R01HL-03599-17 High energy phosphate transferring enzymes (swine, rabbit, carp, squid)
- ** P01HL-10098-10 0029 Primates in cardiovascular research - Iron deficiency anemia and iron utilization
- R01NS-11223-02 Regulation of ionic specificity of the sodium pump (squid)
- R01NS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)

PHOSPHOTRANSFERASES, ATP:ARGININE PHOSPHOTRANSFERASE

- R01CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- R01GM-12446-10 NMR studies of macromolecules and their interactions (rabbits, lobsters, swine)

PHOSPHOTRANSFERASES, ATP:ASPARTATE PHOSPHOTRANSFERASE

- R01AI-03998-12 0002 Cellular regulatory mechanisms at the molecular level - Mechanism of allosteric interactions (bacteria, rabbit)
- ** R01AI-03998-12 0003 Cellular regulatory mechanisms at the molecular level - Relationship between function and structure of allosteric enzymes
- ** R01AM-11157-08 Molecular basis of aspartokinase feedback control (E coli)
- R01GM-16917-06 Regulatory mechanisms of homoserine dehydrogenase (E coli)

PHOSPHOTRANSFERASES, ATP:CARBAMATE PHOSPHOTRANSFERASE

- R01AI-05006-11 Nitrogen metabolism in gastropod molluscs
- ** R01AI-05526-12 Physiology of bacteria at low temperature
- R01AM-01855-20 N-acyl, N-carbamyl amine acid metabolism (human, cattle)
- R01AM-09602-07 Amphibian metamorphosis and L-lysine metabolism (rats, calves, human)
- R01AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
- R01AM-12034-07 Amine acid and protein metabolism (bacteria, mammals nonhuman)
- ** R01AM-15186-06 Regulation of pyrimidine biosynthesis in the rat
- ** R01AM-17299-02 0007 Induction and suppression of urea cycle enzymes - Carbamyl phosphate synthetase deficiency (human)
- ** R01CA-03571-17 Enzyme biosynthesis and regulation-Urea biosynthesis (frogs)
- R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- ** R26CA-14917-02 Pyrimidine synthesis and cellular proliferation in colon (mammals, nonhuman)
- ** P02CA-15145-01 0042 Cancer center support grant - Regulation of growth in normal and neoplastic tissues (human, rats)
- P02CA-15145-01 0052 Cancer center support grant - Correlates in drug sensitive and resistant leukemia
- ** R01CA-17131-07 Regulation of pyrimidine biosynthesis in the rat
- P01GM-20124-02 0002 Center for human genetics and inherited disease - Hereditary metabolic diseases in cultured liver cells (human, rats)
- ** R01GM-21392-01 Carbamyl phosphate synthetase-Kinetics and binding (E coli)
- P01HD-02147-08 0002 Extruterine growth and development - Cellular division (mice)
- R01HD-06538-03 Carbamyl enzymes and differentiation (bacteria, rats)
- R01HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
- R01HL-11822-06 Biophysical studies on macromolecular interactions (microorganism, plant, mammal)
- R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)

PHOSPHOTRANSFERASES, ATP:CREATINE PHOSPHOTRANSFERASE

- ** P01AM-00002-28 0003 Metabolic and hereditary disorders - ATP transphosphorylases (human, rabbits, calves, yeast)
- R01AM-06815-12 0004 Inborn errors of metabolism - Muscle diseases (human)
- R01AM-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
- R01AM-16315-19 Muscular contraction (rats, frogs)
- ** R01AM-17008-01 Structure and function of creatine kinase (rabbits, chicken)
- ** R01AM-17323-02 Active site of creatine kinase from rabbit muscle
- P02CA-12247-03 0005 Pediatric oncology center - Tumor characterization (human)
- ** P01DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
- R01GM-12446-10 NMR studies of macromolecules and their interactions (rabbits, lobsters, swine)
- R01GM-15821-06 Development of new assays for enzymes and inhibitors (human, blood)
- R01GM-19357-03 Spectroscopic studies of metalloenzymes
- R01GM-21433-01 Somatic cell genetics of differentiated phenotypes (human)
- ** P01HL-06285-14 0164 Cardiovascular-respiratory physiology and biochemistry - CPK MB isoenzyme concentration to quantify infarct size (human, animals)
- P01HL-12373-06 0007 Cardiopulmonary physiology and pathophysiology - Contractility in normal and failing myocardium (rabbits, guinea pigs)
- ** R01HL-16608-01 Cardiac creatine kinase-Properties and localization (cattle)
- M01HV-12481-05 Cardiac arrhythmias and sudden cardiac death (human)
- ** R01MH-16127-06 0001 Muscle enzyme release in the acute psychoses - Clinical-chemical correlations (human)
- ** R01MH-16127-06 0002 Muscle enzyme release in the acute psychoses - Additional evidence for muscle abnormalities (human)
- ** R01MH-16127-06 0003 Muscle enzyme release in the acute psychoses - Additional non-specific factors
- R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
- ** R01MH-16127-06 0005 Muscle enzyme release in the acute psychoses - Biochemical basis for variation in SCPK activity (human)
- ** R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- ** R01MH-16127-06 0008 Muscle enzyme release in the acute psychoses - Failure of phencyclidine to enhance PCPK levels following stress (rats)
- ** R01MH-16127-06 0009 Muscle enzyme release in the acute psychoses - Effect of psychomimetic drugs, and epinephrine in PCPK levels (rats)
- ** R01MH-16127-06 0010 Muscle enzyme release in the acute psychoses - Release of CPK from skeletal muscle by cold restraint (rats)
- P01NS-10175-03 0016 Neuromuscular disease research center - Neostigmine in the treatment of Duchenne muscular dystrophy (human)
- ** P01NS-10175-03 0026 Neuromuscular disease research center - Myotonia-creatinine phosphokinase studies (goats)
- R01NS-10385-01 Duchenne's muscular dystrophy-Therapy and basic studies (rabbits, human)
- R01NS-10546-08 Brain and tumor phosphotransferases (cattle, mice)
- P01NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
- R01NS-11773-01 Regulation of glycolysis in brain (rats)
- M01RR-00722-02 0033 General Clinical Research Center - Treatment of Duchenne muscular dystrophy with corticosteroids (human)

PHOSPHOTRANSFERASES, ATP:DIGLYCERIDE PHOSPHOTRANSFERASE

- ** R01AI-05730-10 Bacterial lipid metabolism

PHOSPHOTRANSFERASES, ATP:D-FRUCTOSE 1-PHOSPHOTRANSFERASE

- R01GM-18938-03 Determination of enzyme mechanisms by kinetic studies

PHOSPHOTRANSFERASES, ATP:D-FRUCTOSE-6-PHOSPHATE 1-PHOSPHOTRANSFERASE

- R01AI-03998-12 0002 Cellular regulatory mechanisms at the molecular level - Mechanism of allosteric interactions (bacteria, rabbit)
- R01AI-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)
- ** P01AM-08445-10 0014 Biology of skin of man and other primates - PFK as glycolytic regulator in skin and appendages of rhesus monkeys
- ** R01AM-11410-08 Allosteric properties of phosphofructokinase (rabbits)
- R01AM-13150-07 Enzyme interactions in metabolic regulation (kidney-swine, rats)
- P01AM-13173-10 0009 Malignant and genetic alterations in human cells - Genetics (human)
- R01AM-13212-06 Pyrophosphatase mechanism-Affinity labels (yeast, E coli, rabbits, human)
- ** R01AM-13332-06 Metabolic regulation and interacting enzyme systems (cattle, rats)
- R01AM-15509-03 Mechanism of action of ACTH and insulin (rats)
- ** R01AM-16194-03 Structure and function of phosphofructokinase (rabbits, chickens, human)
- R01AM-16464-02 Anomeric specificity in glycolytic metabolism (mammals, yeast)
- P01AM-16716-01 0016 Pathophysiological bases of muscle diseases - Phosphate binding sites of muscle glycolytic enzymes (rabbits)
- R01AM-17320-11 Carbohydrate metabolism in red blood and tumor cells (human)
- R01AM-17563-01 X-ray studies of hemoglobin and regulatory enzymes (human, rabbit, bacteria)
- R01CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)
- R01CA-12080-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
- ** P01CA-13526-03 0004 Correlated study of metabolic regulation in neoplasia - Isozyme pattern and control of key glycolytic enzymes (rats)
- R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
- R01CA-15744-01 Primary events in regulation cell multiplication (chick embryo)
- R01EY-01276-01 Lens metabolism and cataract formation (cattle)
- R01GM-11632-11 Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs)
- ** R01GM-13215-09 Structure-function studies of cytochrome C (horses)
- R01GM-13292-10 Kinetics of physiologically important reactions (rabbits, bacteria, cattle)
- ** P01GM-15253-08 0010 Genetics in medicine-Gene action in man - Polymorphism by methods other than electrophoresis
- R01GM-21098-01 Microbial mutants in central carbohydrate metabolism (E coli)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
 R01HD-08420-01 Prostate citrate metabolism (rats)
 R01HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
 P18HL-15166-03 0001 Comprehensive sickle cell disease center - Mechanism of erythrocyte sickling (human)
 R01NS-11773-01 Regulation of glycolysis in brain (rats)
 R01NS-11822-01 Metabolism and inhibition of lysine in brain (rats)

PHOSPHOTRANSFERASES, ATP:D-GALACTOSE-1-PHOSPHOTRANSFERASE

- R01AI-08573-07 0004 Genetics of lambda prophage - Regulation of the biotin operon
 ** R01AM-10894-08 0001 Genetic metabolic diseases of infancy and childhood - Galactose metabolism in patients
 R01AM-10894-08 0003 Genetic metabolic diseases of infancy and childhood - Developmental and other regulatory aspects of galactose pathways (rats)
 R01AM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli)
 ** R01AM-14755-04 Diagnosis and therapy of Gauchers disease (human, rats, rabbits)
 ** P01EY-00523-13 0024 Sensory disease clinical research center (eye disorders) - Studies of congenital cataracts-Galactokinase deficiency (human)
 R01GM-16726-05 Active center studies of enzymes (langarous, turtles, deer, yeast)
 P01GM-18153-04 0015 Gene control of mammalian cell differentiation - Regulation of enzymes of the Laloir pathway in human diploid cells
 P01GM-19513-03 0002 Human genetics - New biochemical tools in genetic diagnosis
 P01GM-20124-02 0001 Center for human genetics and inherited disease - Mapping of genes involved in genetic disorders in man (and mice)
 ** R01HD-04861-05 Incidence of fetal errors of galactose metabolism (human)

PHOSPHOTRANSFERASES, ATP:D-GLUCOSE 6-PHOSPHOTRANSFERASE

- R01CA-10916-13 Metabolism of normal and neoplastic tissues
 P01CA-12227-04 0001 Core program in carcinogenesis - Biochemical manifestations of aging (rats)
 R01CA-15567-01 Kinetic modeling of rat liver and Morris tumors
 R01CA-16073-01 Fetal isoenzymes as biologic markers (human)
 R01HD-04667-05 Computer analysis of differentiation (fungi)
 P01HD-05874-04 0001 Biochemical regulation of aging processes - Age-dependent control of enzyme adaptation (rats)
 R01HD-07036-02 Biochemistry of placental development and function (continued)

PHOSPHOTRANSFERASES, ATP:GLYCEROL PHOSPHOTRANSFERASE

- R01AM-16740-02 Glycerol-3-P dehydrogenase-Role in lipid metabolism (birds, mice)
 R01CA-16955-01 Glycerol transport and metabolism in tumor cells (human)
 R01GM-11983-11 Regulation of glycerol transport and metabolism (bacteria)
 R01HD-03891-06 Quantitative histochemistry of developing organs (rats)
 R01HD-06475-01 0004 Carbohydrate and lipid metabolism during development - Unique aspects of triglyceride synthesis in brown fat (rats)

PHOSPHOTRANSFERASES, ATP:D-HEXOSE 6-PHOSPHOTRANSFERASE

- ** R01AM-12881-06 Interaction of subunits in enzymes (yeasts, rabbits)
 R01AM-15019-03 Neuropathy in diabetes-Role of sorbitol pathway (human, rats)
 R01AM-15263-03 Effector systems for insulin action on fat cells (rats, human)
 ** P17AM-17026-01 0003 Vanderbilt University Diabetes-Endocrinology Center - Hexokinase structure and mechanism of action
 R01AM-17200-01 Regulation of adipocyte insulin sensitivity (rats, human)
 ** R01CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
 R01CA-05671-14 0002 Glucocorticoid receptors in normal and malignant tissue - Dexamethasone effects on glucose uptake and hexokinase activity
 P01CA-06927-12 0025 Biological and biochemical program in cancer research - Glycolysis in human red blood cells and rat ascites tumor cells
 R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
 R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
 R01CA-14274-02 Sugar transport and malignant transformation (mice)
 ** P02CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems

- R01CA-16033-01 Resurgent fetal gene products in neoplastic tissue (rats, viruses)
 R01EY-00170-05 Metabolism of the normal and abnormal ocular ions (rats, rabbits, mice)
 R01EY-01276-01 Lens metabolism and cataract formation (cattle)
 R01GM-16501-06 Computer modeling of cardiac and hepatic metabolism (rats, mice)
 ** R01GM-16726-05 Active center studies of enzymes (langarous, turtles, deer, yeast)
 R01GM-18268-04 Structure basis of enzyme action, specificity and control (microorganisms)
 R01GM-18938-03 Determination of enzyme mechanisms by kinetic studies
 ** R01GM-20656-16 Enzymatic oxidation and phosphorylation (yeasts)
 P01GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
 P18HL-15166-03 0001 Comprehensive sickle cell disease center - Mechanism of erythrocyte sickling (human)
 ** R01NS-07918-06 Cations and brain glycolytic enzymes (human)
 R01NS-08528-06 Brain metabolism and systemic disease (rats, mice)
 ** R01NS-09910-03 Hexokinase forms in developing brain (rats)
 R01NS-10546-08 Brain and tumor phosphotransferases (cattle, mice)
 R01NS-11773-01 Regulation of glycolysis in brain (rats)
 R01NS-11822-01 Metabolism and inhibition of lysine in brain (rats)

PHOSPHOTRANSFERASES, ATP:NAD²⁺-PHOSPHOTRANSFERASE

- R01AM-12104-07 Regulation of coenzymes in biological systems (bacteria, rats, HeLa cells)

PHOSPHOTRANSFERASES, ATP:NUCLEOSIDEDIPHOSPHATE PHOSPHOTRANSFERASE

- ** P01AM-00002-28 0003 Metabolic and hereditary disorders - ATP transphosphorylases (human, rabbits, calves, yeast)
 R01AM-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
 R01CA-10951-06 Control of enzymatic phosphate transfer in mitochondria (rats)

PHOSPHOTRANSFERASES, ATP:D-3-PHOSPHOGLYCERATE 1-PHOSPHOTRANSFERASE

- ** R01AM-13682-15 Metabolism of erythrocyte stroma (human, mice)
 R01GM-11061-12 Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria)
 ** P01GM-15253-08 0008 Genetics in medicine-Gene action in man - Genetically altered G6PD and PGK (human)
 P01GM-19100-03 0014 Genetics research center - Somatic cell approach in genetic analysis of mammals (equidae, mice, hamsters)
 ** R01GM-19394-02 Membrane bound and soluble glycolytic enzymes (human, rabbit)
 P01GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
 R01GM-20919-01 Cytogenetics of the mouse
 R01HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)
 R23HL-17165-01 Redox state of NAD0 in erythrocytes (human)
 M01RR-00123-11 0008 General clinical research center-Children - Leukocyte kinetics

PHOSPHOTRANSFERASES, ATP:PHOSPHORYLASE PHOSPHOTRANSFERASE

- R01AM-03524-15 Role of vitamin B6 in metabolism (mice)
 R01AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
 R01AM-12842-06 Regulatory enzymes of glycogen metabolism (rabbits, rats)
 R01AM-13150-07 Enzyme interactions in metabolic regulation (kidney-swine, rats)
 P01AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)
 R01GM-09587-13 Enzyme structure and action on macromolecules (E coli, rabbits, lobsters)
 P01GM-15253-08 0024 Genetics in medicine-Gene action in man - Mosaic systems as tracers in developmental studies (human, mice)
 R01GM-20412-02 Biochemistry of inherited variations in drug response (mice)
 R01HD-06489-03 Cyclic AMP in female reproductive hormone action (human, rats)
 R01HL-10099-09 Energy metabolism in blood platelets (rats)
 P01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)

PHOSPHOTRANSFERASES, ATP:PROTEIN PHOSPHOTRANSFERASE

- P01AI-12450-01 0001 Cyclic nucleotides in immunity - Lymphocyte activation (human, rats, mice)
 P01AI-12450-01 0002 Cyclic nucleotides in immunity - Histamine release (rats)
 R01AM-01324-18 Hormones and intermediary metabolism (human, animals)
 R01AM-06725-13 Action of insulin on cell membrane (rats)
 R01AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
 P01AM-07462-11 0051 Hormonal regulation of metabolism - Phosphorylation of histones and the acidic nuclear proteins in fat cells
 ** P01AM-07462-11 0052 Hormonal regulation of metabolism - Hormonal regulation of cyclic AMP-dependent protein kinase
 R01AM-07681-09 Adrenergic components of lipid metabolism (rats)
 R01AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
 P01AM-09650-10 0007 Hormonal and ionic control of metabolism - Effect of MSH on melanin granule migration
 P01AM-09650-10 0008 Hormonal and ionic control of metabolism - Action mechanism of parathyroid hormones (rats)
 ** R01AM-10451-09 Enzyme secretion and its metabolic control (rats)
 R01AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
 R01AM-12842-06 Regulatory enzymes of glycogen metabolism (rabbits, rats)
 ** R01AM-13149-07 Hormonal regulation of control mechanisms (rats, chick)
 ** R01AM-13150-07 Enzyme interactions in metabolic regulation (kidney-swine, rats)
 ** R01AM-13613-06 Horizontally-mediated hepatic protein phosphorylation (also heart)
 R01AM-13967-04 Regulation of energy metabolism in liver (rats)
 R01AM-14070-04 Role of adrenocorticoids in lipolysis (rats, human)
 R01AM-14723-04 Regulation of renal glycogen synthase system (rabbits, cattle, rats)
 R01AM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
 R01AM-15611-03 Biochemical role of cyclic AMP in gastric mucosa (rabbits, dogs)
 R01AM-15788-03 Mechanism of action of antilipolytic drugs (rats)
 ** R01AM-15988-03 Regulation of adipose tissue metabolism (rats)
 R01AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
 R01AM-16636-02 Metabolic effects of thyroid hormones in cell culture (cattle, rats)
 P01AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
 P01AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)
 P01AM-16716-01 0019 Pathophysiological bases of muscle diseases - Protein synthesis in experimental ventricular hypertrophy (guinea pig, cat, dog)
 R01AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)
 R01AM-16793-01 Regulation of metabolism
 ** R01AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)
 ** P17AM-17026-01 0004 Vanderbilt University Diabetes-Endocrinology Center - Effects of insulin on protein kinase in adipose tissue
 P17AM-17026-01 0038 Vanderbilt University Diabetes-Endocrinology Center - Regulation of skeletal muscle glycogen synthetase kinase and phosphatase
 ** P17AM-17026-01 0044 Vanderbilt University Diabetes-Endocrinology Center - Action of insulin on heart cyclic AMP-dependent protein
 ** P17AM-17042-01 0007 Diabetes endocrinology research center - Hormonal control of protein kinase phosphorylation (rabbits)
 ** P17AM-17042-01 0008 Diabetes endocrinology research center - Protein kinase inhibitor formed in insulin presence (rats, rabbits)
 R01AM-17179-01 Cyclic AMP in psoriasis
 R01AM-17692-01 Control of enzyme release from human neutrophils
 R01AM-17741-01 Effect of antimicrotubular agents on secretion (rats)
 ** R01AM-17776-01 Phosphopeptide metabolism in adipocytes (rats)
 R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
 R01CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
 R01CA-12191-05 Hormones and control mechanisms in cultured mammalian cells (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
- R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)
- P01CA-13330-03 0032 Cancer research program - Cyclic AMP and protein kinase (hamsters, cattle, bacteria)
- P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
- P01CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
- P01CA-13526-03 0002 Correlated study of metabolic regulation in neoplasia - Role of cyclic AMP in regulation of metabolism in neoplastic tissues
- P01CA-13526-03 0008 Correlated study of metabolic regulation in neoplasia - Control mechanisms of protein biosynthesis (rats)
- R01CA-13683-03 Cyclic nucleotides in HeLa cell growth
- R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
- P01CA-14193-02 0010 Comparative leukemia studies unit - Virion proteins
- ** P01CA-14193-02 0012 Comparative leukemia studies unit - Bovine lymphocytic cyclic AMP-dependent protein kinase
- R01CA-15155-01 Cyclic AMP-Role in adrenal tumor steroidogenesis (rats)
- P01CA-15655-01 0027 Cancer center support grant - Cyclic nucleotides and cell division control (mice)
- R01CA-15683-01 Phosphoproteins and phosphorylating enzymes in neoplasia (human, cell lines)
- R01CA-15687-01 cAMP analogs as growth regulators in hepatoma cells
- P01CA-16228-01 0004 Cell membrane in proliferation and oncogenesis - Cyclic GMP control of proliferation and cell function (mice, human)
- R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
- P01DE-02872-05 0030 Craniofacial anomalies - Atopic dermatitis (human)
- R01EY-00847-03 Cyclic nucleotides in visual transduction (crayfish)
- R01EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- R01EY-01171-02 Cyclic nucleotide function in retinal photoreceptors (cattle, rats)
- P01GM-06965-15 0058 Basic experimental biology - Phosphorylation reaction in electricus
- P01GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
- P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- P01GM-11301-12 0008 Structure, function and biosynthesis of macromolecules - Control of gene expression and metabolic pathways (chick embryo)
- R01GM-17132-05 Biochemical genetics of microtubules (algae)
- P01GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
- R01GM-18538-03 Enzyme synthesis during synchronous cell development (slime molds)
- ** R01GM-19037-03 Basis of cyclic AMP action (cattle)
- P01GM-19100-03 0018 Genetics research center - Developmental genetics (Caulobacter crescentus)
- ** R01GM-19301-03 Protein kinase-Structure and c-AMP interaction (pig)
- R01GM-19390-03 Biochemistry of a response system of Phycomyces
- R01GM-19863-01 Role of acidic nuclear proteins in enzyme induction (rats)
- R01GM-20523-01 Cyclic AMP and control of division in mammalian cells (tissue culture)
- ** R01GM-21091-01 cAMP stimulated protein kinase-Mechanism and control (rats, cattle)
- R01GM-21424-01 Effects of ribosome phosphorylation on translation (rabbit)
- R01HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)
- ** R01HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
- P01HD-05969-03 0002 Events that control fertilization - Protein phosphorylations as control mechanism in sperm (monkeys, cattle)
- P01HD-06645-03 0005 Center for population research - Role of LH and cyclic AMP in cholesterol ester hydrolysis
- R01HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- R01HD-06779-03 Enzymic differentiation in the fetus and newborn (rats, human)
- P01HD-07173-02 0003 Structure and function of aging human fibroblasts - Adenyl cyclase system and hormone receptors (WI 38)
- R01HD-07503-02 Biology of the testis-Action of FSH (rats)
- R01HD-07693-01 Hormonal interactions in uterus (cattle)
- R01HD-12232-03 Model to study inhibition of LH action (human, rats)
- R01HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
- R01HL-07565-12 Biochemical characterization of platelet components (human)
- R01HL-13029-05 Metabolic regulation of sugar transport (pigeons)
- R01HL-13630-04 Control of glycogen synthesis in heart (cattle)
- R01HL-13870-04 Control of myocardial sarcolemmal calcium stores (dogs)
- ** R01HL-14780-02 0024 Mechanisms and treatment of cardiovascular diseases - C-AMP and protein kinase in cardiac contraction and heart failure (cats, rats)
- R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- R01HL-15696-02 Molecular basis of regulation of heart function (rats)
- ** R01HL-15764-01 C-AMP dependent protein kinase in cardiac contraction
- R01HL-15985-02 Metabolic and hormonal control of cardiac contraction
- R01HL-16634-09 0002 Regulation of metabolism in fibroblasts and platelets - Mechanism of platelet release reaction (human)
- ** R01HL-16915-01 Phosphorylation of myocardial regulatory protein (dogs)
- R01HM-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
- R01NS-07872-08 Biochemical studies of synapse membrane (rats, chickens)
- PHOSPHOTRANSFERASES, ATP-PYRIDOXAL 5-PHOSPHOTRANSFERASE**
- ** R01AA-00225-07 Hematologic and metabolic studies in alcoholism (human, rats)
- R01NS-03743-13 Amino acids and related metabolites in the CNS (toads, rats, chicks)
- PHOSPHOTRANSFERASES, ATP-PYRUVATE PHOSPHOTRANSFERASE**
- R22AI-08261-06 Metabolic pathways of schistosoma larval forms (mice, snails, monkeys)
- R01AI-10087-05 Effect of endotoxin on induction of liver enzymes (mice, rabbits)
- ** R01AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)
- R01AM-09274-09 The mechanism of red cell aging (human, rats)
- ** R01AM-10339-09 Kinases, desaturases, and hydroxylases (bacteria, yeast, rabbits)
- P01AM-13173-10 0001 Malignant and genetic alterations in human cells - Genetics (human, dogs)
- ** P01AM-13173-10 0004 Malignant and genetic alterations in human cells - Physical and chemical characterization of pyruvate kinase (human, bovine)
- ** P01AM-13173-10 0009 Malignant and genetic alterations in human cells - Genetics (human)
- R01AM-13351-07 NMR studies of enzyme-metal-substrate interactions
- R01AM-14347-06 Control of gluconeogenesis by adrenal hormones (rats)
- R01AM-14470-05 Rad cell studies (human, animals)
- R01AM-14575-05 Phosphoenolpyruvate carboxylases
- R01AM-15297-03 Pathways of carbon and hydrogen in gluconeogenesis (rats)
- ** R01AM-15645-03 Inborn errors and pyruvate kinase isozymes (cattle)
- R01AM-16464-02 Anomeric specificity in glycolytic metabolism (mammals, yeast)
- R01AM-17049-01 NMR studies of metals in kinases and related enzymes (chickens)
- R01AM-18087-01 Effect of guanidine derivatives on biological systems (mammals)
- R01AM-18092-01 Action of insulin on enzymes of adipose tissue (rats)
- P01CA-06927-12 0019 Biological and biochemical program in cancer research - Mechanism of action of metal activated enzymes
- P01CA-06927-12 0025 Biological and biochemical program in cancer research - Glycolysis in human rod blood cells and rat ascites tumor cells
- ** R01CA-07883-10 Metabolic interrelationships (pyruvate kinase in mammals)
- R01CA-10916-13 Metabolism of normal and neoplastic tissues
- R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- P02CA-12197-03 0007 Multidisciplinary oncology research center - Effect of colchicine on leukocyte metabolism (human)
- P02CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)
- R01CA-12563-04 Mechanisms of enzyme induction by cyclic nucleotides (rats)
- ** R01CA-12808-03 Protein turnover during neoplasia (rats)
- R01CA-12836-03 Biochemical basis of hormone responsiveness in breast (human, rats)
- ** P01CA-13526-03 0004 Correlated study of metabolic regulation in neoplasia - Isozyme pattern and control of key glycolytic enzymes (rats)
- R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- ** R01CA-15739-01 Nature of pyruvate kinase isozyme change in neoplasia (human)
- ** R01DE-03246-05 Biochemical mechanisms relevant to dental research (E coli)
- ** P01GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- P01GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- R01GM-18325-04 Chemical mechanisms of biosynthesis (enzymes)
- R01GM-19357-03 Spectroscopic studies of metalloenzymes
- ** R01GM-19550-01 Pyruvate kinase studies using direct gel scanning (human, E coli)
- R01GM-20011-02 Reaction mechanisms of pyrophosphokinases
- R01GM-20479-01 Affinity labeling of glycolytic enzymes (rabbits)
- ** R01GM-20676-01 Analogs of phosphoenolpyruvic acid
- R01HD-00827-11 Effect of RNA and DNA on cephalic tarata (mice)
- ** R01HD-06712-03 Regulation of enzyme levels in brain (mice)
- P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- P01HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- P01HL-11414-07 0019 Thrombosis and atherosclerosis program - Control of metabolism by metal cation environment
- ** R01NS-07156-09 Enzyme theory and relationship to function (mice)
- R01NS-07918-06 Cations and brain glycolytic enzymes (human)
- R01NS-11822-01 Metabolism and inhibition of lysine in brain (rats)
- PHOSPHOTRANSFERASES, ATP-THYMIDINE 5-PHOSPHOTRANSFERASE**
- R01AI-12116-01 Biology of human lymphoblastoid cell lines
- R01CA-05262-14 Iododeoxyuridine, iodo-DNA and biological activity (mice)
- R01CA-05959-13 Genetic-cytochemical studies on haploid cells in culture (frogs)
- P01CA-08748-09 5502 Research program of Sloan-Kettering Institute - Radiation effects on enzymes related to DNA synthesis (human)
- ** P01CA-08748-09 5802 Research program of Sloan-Kettering Institute - Thymidine kinase in DNA synthesis of malignancy (human, rats)
- R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- R01CA-11449-05 New antagonists of amethopterin-resistant leukemia (human bacteria, mice)
- R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
- ** R01CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
- ** R01CA-13114-03 Gene addition to mammalian cells using herpes virus
- ** R01CA-13639-03 Biochemistry of chromosome function in man
- P01CA-14801-02 0005 Chemotherapy and regulation of oncogenic viruses - Recombination between herpes simplex virus and mammalian cell genome
- P02CA-15145-01 0016 Cancer center support grant - Control of cell division (tissue culture)
- R01CA-15360-01 Carcinostatic agents-Mechanisms of action (rats)
- R01CA-16033-01 Resurgent fetal gene products in neoplastic tissue (rats, viruses)
- R01GM-16306-06 Organization and expression of the genome of bacteriophage T4 (E coli)
- P01GM-18153-04 0009 Gene control of mammalian cell differentiation - Somatic cell hybridization (mice, human)
- P01GM-18153-04 0012 Gene control of mammalian cell differentiation - rRNA genes (Drosophila, human, mice, nonhuman primates)
- P01GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- R01GM-19719-02 Control of cell division (human, mice)
- P01HD-04807-05 0003 Genetic and cytogenetic studies of mental retardation - Uptake and expression of bacterial, viral DNA by mammalian cells (human, rodents)
- R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
- R01HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
- P18HL-16008-02 0005 Wayne State University comprehensive sickle cell center - Trace elements and the pathogenesis of aspects of sickle cell disease (human)

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PHOSPHOTRANSFERASES, ATP:THYMIDYLATE 5'-PHOSPHOTRANSFERASE

- ** R01CA-12662-03 0001 Cancer research center - Regulation of thymidine kinase in relation to cell division (mice)
R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)

PHOSPHOTRANSFERASES, CYTIDYLATE KINASE

- P17HL-14214-04 0002 Neonatal lung center - Enzymes during development of lungs (rats, human)

PHOSPHOTRANSFERASES, ITP:AMP PHOSPHOTRANSFERASE

- ** R01HL-06285-14 0176 Cardiovascular-respiratory physiology and biochemistry - Function of myosin and troponin in muscle-Kinetics of ITPase reaction

PHOSPHOTRANSFERASES, NUCLEOSIDE PHOSPHATES PHOSPHOTRANSFERASES

- ** R01CA-06913-10 Anabolic control in normal and neoplastic tissues (cattle, bacteria)
** R01CA-07340-11 0001 Coenzymes containing purine and pyrimidine analogs - Polyphosphate nucleotide synthesis and degradation (human)
R01CA-12210-14 Cellular control mechanisms (mammals)
R01CA-14193-02 0010 Comparative leukemia studies unit - Virion proteins

PHOSPHOTRANSFERASES, RIBOSEPHOSPHATE PYROPHOSPHOKINASE

- ** R01AM-12413-07 Purine metabolism in gout (human, birds)
** R01AM-13488-06 Regulation and mechanism of PRPP synthetase (bacteria)
R01AM-14362-04 Regulation of purine metabolism in human cells
R01AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
R01CA-13980-02 Enzyme regulation in normal and neoplastic cells (rats)
R26CA-14917-02 Pyrimidine synthesis and cellular proliferation in colon (mammals, nonhuman)
P01GM-19527-03 0003 Human genetics - Genetic regulation of mammalian purine metabolism
** R01GM-19839-02 Genetic and biochemical study of a multienzyme complex (bacteria)
R01GM-20011-02 Reaction mechanisms of pyrophosphokinases
M01RR-00071-11 0004 General clinical research center - Purine metabolism and gouty arthritis (human)

PHOSVITIN

SEE PHOSPHOPROTEINS, PHOSVITIN

PHOTOBIOLOGY

- SEE ALSO BIOPERIODICITY, CIRCADIAN RHYTHMS
SEE ALSO OPTICS, LIGHT EMISSION, BIOLUMINESCENCE*
R01AI-02753-15 Genetics and reproductive biology of *Aedes* mosquitoes
R01AI-12200-01 Mechanistic study of phototoxicity in antimalarials
P01AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
R01AM-16557-01 Regulation of growth and growth hormone (human, rats)
P02CA-06519-12 0005 Radiation therapy and biology research program - Accurate repair of DNA containing interstrand cross-links
** R01DE-02934-05 Variability in chemical constituents of oral fluids (human)
M P01ES-00269-08 Biological effects of environmental radiation
** P01ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
** R01ES-00376-11 Laser radiation in photochemistry and photobiology
R01ES-01041-01 0012 Photosensitivity - Induction of contact photosensitivity to hazogenated salicylanilides (guinea pig)
** R01EY-00089-10 Structure and function of eyes (human, frogs)
** R01EY-00173-07 Monomolecular films to study visual processes (models, cattle)
** R01EY-00495-06 Photobiology and vision (fish, birds)
** R01FD-00674-01 Structure of a cell-lethal tryptophan photoproduct (bacteria)
P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
** R01GM-12179-10 Developmental control mechanisms (*Euglena*, *B. subtilis*)
R01GM-14595-08 0009 Continuity of cellular organelles - Plastid development (*Euglena*)
R01GM-15881-14 Enzymatic excision and repair mechanism
R01GM-19390-03 Biochemistry of a response system of *Phycomycetes*

- ** R01GM-19583-01 Behavior genetics-Phototaxis-gonotaxis in *Drosophila*
** R01GM-20648-01 Photoreceptor pigments in photosensitive organisms (*Dictyostelium*, *Phycomycetes*)
** R01GM-20729-01 Photobiological systems and membrane interfaces
R01GM-20805-01 Interactions of metals with photoexcited flavins
** R01GM-21130-01 Phototactic and chemotactic behavior of bacteria
** R01GM-21409-01 Light growth response channel of *phycomycetes*
P01HD-04583-06 0020 Mental retardation research center - Indoleamine metabolism and function in the pineal (rats)
P01HL-08682-11 0007 Regulation of the cardiovascular system - Neural and vascular feedbacks in endocrinology (rats)
** R01NS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
** R01NS-11453-01 Ionic movements across nerve cell body membranes (*Aplysia*)

PHOTOCHEMISTRY

SEE ALSO ELECTRICAL CONDUCTION, PHOTOCONDUCTION
SEE ALSO PHOTOSYNTHESIS
SEE ALSO PHYSICAL PROPERTIES, COAGULATION, PHOTOCOAGULATION

SEE ALSO RADIATION EFFECTS, FLASH PHOTOLYSIS

- R01AI-01218-18 The mechanism of bacterial transformation (yeasts)
** R01AI-10389-03 Photolysis of amino-diones-A synthesis of penicillin
R01AI-10517-01 Biosynthesis of carotenes in *mycobacteria*
** R01AI-12200-01 antimalarials
** R01AM-00562-21 Study of metabolic mechanisms (bacteria, plants)
** R01AM-00709-21 Ultraviolet irradiation of natural products
R01AM-02096-15 Metabolic studies of congenital bovine porphyria (hens, sheep)
R01AM-04585-14 Investigation of flavin systems (swine)
R01AM-07203-12 Studies on phosphohexose isomerases (rabbits, yeasts, swine)
R01AM-09995-09 Action spectra and biochemistry of photodermatoses (human, mice)
R01AM-11275-08 Bile pigment metabolism (human, rats)
R01AM-14341-06 Reaction mechanisms of cyclic tetramine complexes
R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
R01AM-15057-04 Flavin-protein interactions in flavoenzyme catalysis (bacteria)
R01AM-15507-03 Irreversible inhibition of specific peptide receptors
R01AM-17745-01 Mechanism of protective action of carotenoids (mice)
R01CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
R01CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
** P02CA-06519-12 0004 Radiation therapy and biology research program - Biological evidence for repair of psoralen cross-links in bacterial cells
P02CA-06519-12 0087 Radiation therapy and biology research program - Determination of high energy x-ray spectra by photonic reactions
** R01CA-07773-11 Application of electrochemistry to radiation biology
** P01CA-08748-09 5703 Research program of Sloan-Kettering Institute - Photochemistry of purine N-oxides in oncogenesis
R01CA-11326-06 Photochemical synthesis of antineoplastic substances
** R01CA-11695-05 Photoelectron microscopy and biological surfaces
R01CA-11953-03 Ultraviolet and ionizing radiation damage (hamsters, frogs)
R01CA-12149-03 Synthesis of the anticancer agent, Camptothecin
** R01CA-12193-08 sesquiterpenes
R01CA-12195-07 Heterocyclic small ring compounds
R01CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
R01CA-13199-03 Synthesis and reactions of alkylating agents
** R01CA-13464-03 Photochemical reactions related to skin cancer (mice)
** R01CA-13598-03 Interactions between DNA and skin-sensitizing coumarins (*Bacillus subtilis*)
** R01CA-14005-02 The photoreactivating enzyme in repair of DNA (*E. coli*)
R01CA-14152-03 New synthetic methods, routes to biologically active compounds
R01CA-14396-02 Repair of DNA crosslinks in bacteria and animal cells
R01CA-14511-02 Photosynthesis of antiviral and antitumor drugs
R01CA-14980-01 Polycyclic carcinogen-nucleic acid interactions
** R01CA-16343-01 Mechanism of action of the photoreactivating enzyme
R01DA-00021-08 Syntheses of marijuana constituents (microorganisms, monkeys)
M P01ES-00049-10 Mode of action and metabolism of organic toxicants
** P01ES-00049-10 0003 Mode of action and metabolism of organic toxicants - Pyrethroids photodecomposition
P01ES-00049-10 0005 Mode of action and metabolism of organic toxicants - Chlorinated hydrocarbons-2,3,7,8-tetrachlorodibenzo-p-dioxin (rats, mice)
** P01ES-00049-10 0007 Mode of action and metabolism of organic toxicants - Photoisomers of chlorinated methanobridged cyclodienes
P01ES-00049-10 0008 Mode of action and metabolism of organic toxicants - Toxaphene (rats, insects, plants, microorganisms)
P01ES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photolabioration (mice, rats, fish)
P01ES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals-Metabolism and photodecomposition (rodents)
P01ES-00049-10 0011 Mode of action and metabolism of organic toxicants - Respiratory uncouplers-Metabolism and photodegradation (mites)
P01ES-00049-10 0013 Mode of action and metabolism of organic toxicants - Organophosphorus insecticides-Selective toxicity, terminal residues (rats)
P01ES-00049-10 0014 Mode of action and metabolism of organic toxicants - Thionophosphorus insecticides-Mixed function oxidase system (rodents, flies)
P01ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
P01ES-00049-10 0018 Mode of action and metabolism of organic toxicants - Juvenoids-Radiosynthesis, metabolism, photolabioration (insects, algae)
P01ES-00049-10 0022 Mode of action and metabolism of organic toxicants - Thiocarbamate herbicides-Metabolism and mode of action (mice, plants)
** P01ES-00269-08 0002 Biological effects of environmental radiation - Photochemistry of photoactive agents (rats, human)
** R01ES-00376-11 Laser radiation in photochemistry and photobiology
** R01ES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)
** R01ES-01041-01 0012 Photosensitivity - Induction of contact photosensitivity to hazogenated salicylanilides (guinea pig)
R01EY-00033-05 Sensory excitation, information flow in the retina (amphibians, reptiles, flies)
** R01EY-00062-05 Electronic structure of biomolecules
** R01EY-00173-07 Monomolecular films to study visual processes (models, cattle)
R01EY-00175-05 Structure and function of visual photoreceptors
** R01EY-00201-13 Photochemistry of visual pigments (anurans, chickens, cattle)
R01EY-00222-14 Visual mechanisms (arthropods)
** R01EY-00236-13 Visual coupling reactions (*Limulus*)
R01EY-00285-10 Visual adaptation in the vertebrate retina (fish)
P01EY-00396-07 0020 Basic ophthalmic research program - Subunit interaction of ions protein and lens mutarotase
P01EY-00396-07 0023 Basic ophthalmic research program - Lens proteins and glutathione
R01EY-00413-06 Related molecular and physiological events in vision (*Drosophila*)
R01EY-00435-06 Molecular basis of photoreceptor activity (*Limulus*)
R01EY-00459-05 Near ultraviolet light effects on ocular tissues (human, animals)
** R01EY-00461-06 Photo-and biochemical reactions in the visual system (fish)
R01EY-00463-06 Molecular biology of visual receptor outer segments (frogs)
** R01EY-00479-07 Photochemical aspects of visual processes (rats, frogs)
R01EY-00673-04 Structure and function of membranes involved in vision (fish, frogs, cattle)
** R01EY-00675-04 Biochemistry of visual cell renewal and visual cycle (rats)
R01EY-00684-04 Transmission of signals through human retina
R01EY-00764-03 Transduction and neural mechanisms in the retina (horseshoe crabs)
R01EY-00835-03 Anatomy and physiology of vision (arthropods)
** R01EY-00875-03 Spectra, theory and photochemistry of vision pigments
R01EY-00901-01 Psychophysical studies of color-defective observers (human)
R01EY-00918-02 New geometric isomers of vitamin A and carotene
R01EY-00983-02 The bleaching stages of rhodopsin
** R01EY-01056-02 Visual pigment models-Photochemical studies

(contd)

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- RO1EY-01140-02 Optical information processing in eyes (insects, spiders)
- ** RO1EY-01323-01 Mechanism of visual excitation (cattle)
- RO1EY-01362-01 Mechanisms of vision (fishes, limulus)
- RO1EY-01505-01 Preparation and characterization of cone pigments (animals)
- ** RO1FD-00610-01 Photolysis in nitrite or nitrate treated foods
- RO1FD-00658-03 Cellular damage by visible and near-visible light (bacteria)
- RO1FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
- RO1FD-00674-01 Structure of a cell-lethal tryptophan photoproduct (bacteria)
- ** RO1GM-04712-18 Mechanism of enzyme action
- RO1GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- RO1GM-06304-15 Steric and kinetic factors in terpene cyclizations
- RO1GM-07262-15 Nucleic acid chemistry (bacteria, yeasts)
- ** RO1GM-07487-13 Photochemistry of organic molecules
- RO1GM-08347-14 Function of molybdenum in biological systems
- PO1GM-09069-12 0069 Research in anesthesiology - Photochromic compound
- ** RO1GM-10865-15 Basic photoelectric studies in organic solid state
- RO1GM-11300-11 Metabolic controls in light-driven metabolism (blue-green algae)
- RO1GM-11839-11 Utilization of CO₂ and the total synthesis of acetate (bacteria)
- RO1GM-11976-10 Synthesis of biologically important carbohydrates
- ** RO1GM-12592-10 Photoprocesses in the organic solid state
- RO1GM-13000-09 Applications of ESR spectroscopy
- RO1GM-13191-10 ESR experiments on model photosynthetic systems (bacteria)
- RO1GM-13435-09 Evolution of genetic specificity
- RO1GM-13598-09 Steroids, prostaglandins-synthetic designs
- RO1GM-13966-07 Precision production of organic tracers
- ** RO1GM-14595-08 0008 Continuity of cellular organelles - Photoreactivating enzymes (Euglena)
- RO1GM-14825-08 Conformation of tRNA and model oligonucleotides
- ** RO1GM-15238-07 Photochemical studies of molecular complexes
- ** RO1GM-15423-07 0022 Molecular basis of control mechanisms - Photoelectric effect of biochemical and organic surfaces
- ** RO1GM-15425-07 Medicinal photochemistry-Synthesis and reactions
- RO1GM-15881-14 Enzymatic excision and repair mechanism
- RO1GM-15997-06 Organic syntheses
- RO1GM-16133-07 0002 Immobilized enzymes to analyze and after metabolism - Asparaginase for intravenous injection (rats)
- RO1GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
- RO1GM-16395-06 Organometallic reagents in organic synthesis
- PO1GM-16492-06 0024 Design of chemotherapeutic agents - Photoproducts of bilirubin formed during phototherapy for jaundice (human, rats)
- RO1GM-16547-09 Repair of radiation-damaged nucleic acid (bacteria, yeast, algae)
- ** RO1GM-16611-06 Photorearrangements of bicyclic ketones
- ** RO1GM-16626-05 Biologically active heterocyclic N-oxides
- RO1GM-16995-05 Protein-nucleic acid interactions
- PO1GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
- ** RO1GM-18349-04 Photochemical synthesis of bioactive molecules
- RO1GM-18617-04 Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells)
- RO1GM-18747-03 Energy transfer and reaction in DNA-histone complexes
- RO1GM-18756-03 New synthetic and analytical methods for peptides
- ** RO1GM-18831-03 DNA maintenance systems (fungi)
- RO1GM-19010-03 DNA repair in *Escherichia coli* and *Bacillus subtilis*
- RO1GM-19181-03 Spectroelectrochemistry of bio-electron transfers
- RO1GM-19362-06 Biological importance of pyrimidine photohydrates
- RO1GM-19448-02 Effective interactions in large molecules
- RO1GM-19488-17 Chemi- and bioluminescence
- ** RO1GM-19734-02 Photoaffinity labeling of mitochondria by uncouplers
- RO1GM-19775-02 Activation of molecular oxygen by metal peptides
- RO1GM-19921-08 Electronic properties of complex molecules (cattle)
- ** RO1GM-20080-02 Photooxidation in model biological systems
- RO1GM-20275-02 Phosphorescent triplet state of polynucleotides
- RO1GM-20284-02 Theory of polar liquids and solutions
- ** RO1GM-20329-07 Photo chemical synthesis of organic compounds
- RO1GM-20648-01 Photoreceptor pigments in photoreceptive organisms (Dictyostelium, Phycomyces)
- ** RO1GM-20729-01 Photobiological systems and membrane interfaces
- ** RO1GM-20780-01 Photochemical annulations with alpha-formyl ketones
- RO1GM-20805-01 Interactions of metals with photoexcited flavins
- RO1HD-02268-09 Maturation of liver for the metabolism of bilirubin (rats, human)
- ** RO1HD-07265-11 Organic photochemistry (human)
- RO1HD-07714-01 Biological reactions of laser generated singlet oxygen
- RO1HD-07753-01 Photochemistry of the bilirubin-serum albumin complex (human, cattle)
- ** RO1HD-09026-01 Bilirubin photochemistry and pyrrole photolization
- RO1HL-02477-18 Biosynthesis and function of lipids (microorganisms)
- RO1HL-12971-12 Reactions of alkaloids and their analogs
- RO1INS-09040-05 Photosensitization of giant axons (lobsters)
- RO1INS-09572-03 Models for hydroxylases of neurochemical significance
- RO1INS-11453-01 Ionic movements across nerve cell body membranes (Aplysia)
- PHOTOCOAGULATION**
SEE PHYSICAL PROPERTIES, COAGULATION, PHOTOCOAGULATION
- PHOTOCOAGULATION THERAPY**
SEE THERAPY, CAUTERY, PHOTOCOAGULATION THERAPY
- PHOTOCONDUCTION**
SEE ELECTRICAL CONDUCTION, PHOTOCONDUCTION
- PHOTOELECTRON MICROSCOPY**
SEE OPTICS, MICROSCOPY, PHOTOELECTRON*
- PHOTOELECTRON SPECTROMETRY**
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, PHOTOELECTRON*
- PHOTOGRAPHIC MEMORY**
SEE SENSORY-PERCEPTUAL PROCESSES, IMAGERY, EIDETIC
- PHOTOGRAPHY**
SEE OPTICS, PHOTOGRAPHY*
- PHOTOMICROGRAPHY**
SEE OPTICS, PHOTOMICROGRAPHY*
- PHOTOPERIODISM**
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS
- PHOTOPROTECTION**
RO1CA-05003-16 Dermatologic reactions induced by solar radiation
- PHOTOPROTECTIVE AGENTS**
RO1CA-05003-16 0001 Dermatologic reactions induced by solar radiation - Beta-carotene for photoprotection in erythropoietic protoporphyria (human)
- RO1CA-16347-01 Regulation of survival of ultraviolet-irradiated *E. coli* K-12
- PHOTOPROTECTIVE AGENTS, SUNSCREENING AGENTS**
PO1AM-15515-03 0009 Psoriasis biology, psoriogenesis and lesion control - Animal screening systems for topical drugs (swine, mice)
- RO1CA-05003-16 0006 Dermatologic reactions induced by solar radiation - Development of protective methods against sun induced skin damage (human)
- RO1CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- PO1ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
- PHOTORECEPTORS**
SEE EYE, PHOTORECEPTORS
- PHOTOSENSITIVE PORPHYRIA CONGENITAL**
SEE METABOLIC DISORDERS INBORN, PORPHYRIA, ERYTHROPOIETIC
- PHOTOSENSITIVITY**
SEE ALSO PHOTOBIOLOGY
SEE ALSO PHOTOCHEMISTRY
SEE ALSO RADIATION SENSITIVITY
- RO1AI-04915-19 Growth and development in cellular slime molds
- RO1AM-02096-15 Metabolic studies of congenital bovine porphyria (hens, sheep)
- ** PO2AM-05630-12 0011 Metabolic unit for the Department of Medicine - Action spectra of porphyrias and photosensitivities (human)
- ** RO1AM-09995-09 Action spectra and biochemistry of photodermatoses (human, mice)
- ** RO1AM-14543-04 Alternate pathways of bilirubin metabolism (human, rats)
- ** RO1AM-14545-05 Carotenoid therapy of photosensitive porphyria (human)
- PO1AM-15515-03 0002 Psoriasis biology, psoriogenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
- ** RO1AM-17745-01 Mechanism of protective action of carotenoids (mice)
- RO1CA-05003-16 0001 Dermatologic reactions induced by solar radiation - Beta-carotene for photoprotection in erythropoietic protoporphyria (human)
- PO2CA-06519-12 0004 Radiation therapy and biology research program - Biological evidence for repair of psoralen cross-links in bacterial cells
- PO2CA-06519-12 0005 Radiation therapy and biology research program - Accurate repair of DNA containing interstrand cross-links
- PO2CA-06519-12 0086 Radiation therapy and biology research program - Repair of cross linked DNA in bacteria and mouse leukemia cells
- PO2CA-06519-12 0088 Radiation therapy and biology research program - Viral proteins in SV-40 infected mammalian cells
- ** RO1CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- RO1CA-15341-01 Photodynamic therapy of malignant tumors
- ** RO1CA-15348-01 Photosensitization due to drugs
- ** RO1DE-02934-05 Variability in chemical constituents of oral fluids (human)
- R23DE-03495-03 Develop glass ceramics for dental prostheses
- ** PO1ES-00049-10 0006 Mode of action and metabolism of organic toxicants - Use of photosensitizers in regulating the persistence of pesticide chemicals
- PO1ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
- PO1ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
- PO1ES-00269-08 0002 Biological effects of environmental radiation - Photochemistry of photoactive agents (rats, human)
- PO1ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
- ** PO1ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- PO1ES-00735-01 0008 Public health hazards and environmental fate of parathion - Decontamination of parathion spills and wastes (biophysical and microbial agents)
- ** RO1ES-01041-01 0001 Photosensitivity - New agents causing photosensitivity reactions in man
- RO1ES-01041-01 0005 Photosensitivity - Phototoxic cell membrane damage (human, mice)
- ** RO1ES-01041-01 0007 Photosensitivity - Systemic photoprotective agents (mice)
- RO1ES-01041-01 0009 Photosensitivity - Contact photoallergy and temperature and humidity (mice)
- RO1ES-01041-01 0012 Photosensitivity - Induction of contact photosensitivity to hazogenated salicylanilides (guinea pig)
- RO1EY-00008-13 Analysis of flicker retinal action potentials (spiders, crabs)
- RO1EY-00148-04 Interaction between receptor classes in retina (human)
- RO1EY-00197-16 Psychophysiological studies of ocular abnormalities (human)
- RO1EY-00222-14 Visual mechanisms (arthropods)
- RO1EY-00225-13 Studies on lens metabolism (rats, rabbits)
- RO1EY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- RO1EY-00285-10 Visual adaptation in the vertebrate retina (fish)
- RO1EY-00324-09 Genetics of visual pigments (fish)
- RO1EY-00355-07 Behavioral visual function (turtles, pigeons)
- RO1EY-00379-06 Functional organization of the retina (rats, skate)
- RO1EY-00381-07 Excitability of visual pathways (humans, monkeys)
- RO1EY-00405-07 Sensory mechanisms in visual orientation (fish, crustaceans, insects)
- RO1EY-00435-06 Molecular basis of photoreceptor activity (Limulus)
- ** RO1EY-00539-04 Spatial interactions in human vision
- RO1EY-00561-05 Intracellular studies of retina function (Necturus)
- RO1EY-00568-06 Neurophysiology of all-cone vision (monkeys, cats)
- RO1EY-00784-03 Cellular basis of visual integration (arthropods, crustaceans)
- RO1EY-00800-03 Photopic and scotopic vision of strabismic amblyopia (human)
- RO1EY-00904-02 Neural signalling in the retina (turtle)
- ** RO1EY-00917-03 An avian model for the comparative study of cataracts (quail)
- RO1EY-00943-03 The role of calcium in visual excitation (cattle)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01EY-00953-03** Selective mechanisms in vision (human, cats)
R01EY-01155-02 Photoreceptor interactions (lobsters)
R01EY-01171-02 Cyclic nucleotide function in retinal photoreceptors (cattle, rats)
R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
R01EY-01230-01 Physiology of visual pigment (fishes)
PO1EY-01319-01 0011 Visual science research center support - Photochromatic interval in the dark adapted eye
PO1EY-01319-01 0013 Visual science research center support - Pupil response for chromatin mechanism
R01EY-01394-01 Very early dark adaptation from intense bleaching (human)
R01EY-01489-01 Precorneal tear film (rabbits)
R01EY-01496-01 Adaptation in invertebrate photoreceptors (Limulus)
R01EY-01497-01 Visual processing during eye movement (primates, human)
R01FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
**** R01GM-06965-15 0072** Basic experimental biology - Selecting mutants resistant to high intensity light
R01GM-11788-11 Mechanisms of catalysis and allosteric control (E coli)
PO1GM-12847-10 0020 Molecular biology of membrane systems - Fusion of biological membranes
**** R01GM-20117-11** Fast photosensitized reactions of aromatic compounds (human)
R01GM-20648-01 Photoreceptor pigments in photosensitive organisms (Dictyostelium, Phycomyces)
**** R01HD-03803-06 0007** Control mechanism in reproduction and development - Circadian rhythm and reproductive cycles (sparrows, lizards, hamsters)
R01HD-06468-01 Bilirubin toxicity-Metabolic effects of phototherapy (rats)
**** R01HD-07753-01** Photochemistry of the bilirubin-serum albumin complex (human, cattle)
**** R01NS-02812-14** Chronic focal epileptogenic lesions and deep structures (animals)
PO1NS-06828-08 0031 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity in controlled eye movements
PO1NS-06890-07 0013 Sensory processes - Group differences in visual process (human)
**** R01NS-08935-04** Photomyoclonic epilepsy (baboons)
R01NS-09040-05 Photosensitization of giant axons (lobsters)
R01NS-10600-02 Role of pineal organ in brain function (fish)

PHOTOSTIMULUS

- SEE ALSO EYE, VISUAL STIMULUS
R01EY-00014-06 Electrophysiology of color vision (primates)
R01EY-00017-08 Electric sign of single photoreceptors (fish, lizards, turtles)
R01EY-00033-05 Sensory excitation, information flow in the retina (amphibians, reptiles, flies)
**** R01EY-00206-13** Retinal ganglion cell responses to time varying stimuli (cats)
R01EY-00236-13 Visual coupling reactions (Limulus)
R01EY-00405-07 Sensory mechanisms in visual orientation (fish, crustaceans, insects)
**** R01EY-00412-05** Clinical ERG with photopic patterned stimuli (human, rabbits)
R01EY-00403-06 Molecular biology of visual receptor outer segments (frogs)
R01EY-00568-06 Neurophysiology of all-cone vision (monkeys, cats)
R01EY-00605-15 Organization of visual system (cats, monkeys)
R01EY-00701-02 Single cell studies in optic tract (cats)
R01EY-00745-03 Neurophysiological studies of the oculomotor system (monkeys)
R01EY-00764-03 Transduction and neural mechanisms in the retina (horseshoe crabs)
R01EY-00784-03 Cellular basis of visual integration (arthropods, crustaceans)
R01EY-00898-03 Function of neuron networks in vertebrate visual system (catfish)
**** R01EY-00904-02** Neural signalling in the retina (turtle)
R01EY-01063-02 Correlation of structure and function in retina (dogfish)
R01EY-01075-01 Neurotransmission in the mammalian retina (rabbits)
R01EY-01188-02 Neural mechanisms in processing visual information (barnacles)
R01EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
PO1EY-01319-01 0006 Visual science research center support - Single unit studies of cortical activity (primates)
R01GM-19390-03 Biochemistry of a response system of Phycomyces
R01HD-00942-12 Animal behavior in field and laboratory environments (kangaroo rats, Peromyscus)
R01NS-03752-13 Computer studies of brain potentials (human)
PO1NS-06890-07 0011 Sensory processes - Fish forebrain in visual processing

- R01NS-08962-06** Automatic pattern recognition in the EEG (human)
R01NS-09264-03 Relation of protein synthesis to neuronal function (rabbits)

PHOTOSYNTHESIS

- SEE ALSO METALLOPROTEINS, FERREDOXIN
 SEE ALSO PORPHYRINS, CHLOROPHYLL
R01AM-12172-07 Structure and metabolism of isopentenoids (plants, protozoa, yeasts, mammals)
R01AM-15725-03 Hyperfine interactions in iron proteins (human, mycobacteria, Euglena, beans)
R01CA-14511-02 Photosynthesis of antiviral and antitumor drugs
**** P10ES-00210-07 0037** Center for environmental management - Model of photosynthesis
**** R01ES-00654-01** Photoreaction and herbicide metabolism
**** R01ES-00973-01** Inhibition of photosynthesis by environmental trace metals (plants)
R01EY-00847-03 Cyclic nucleotides in visual transduction (crayfish)
R01GM-04922-18 Heme and chlorophyll biosynthesis (chick embryo, mice, barley)
PO1GM-06965-15 0014 Basic experimental biology - Mutants in chloroplast macromolecular synthesis
R01GM-08347-14 Function of molybdenum in biological systems
**** R01GM-11300-11** Metabolic controls in light-driven metabolism (blue-green algae)
**** R01GM-11741-09** Primary redox changes in photosynthesis (bacteria)
R01GM-12121-10 Structure and function of proteins (bacteria, tuna, plants)
**** R01GM-13191-10** ESR experiments on model photosynthetic systems (bacteria)
R01GM-14479-08 Membrane-associated phosphorylation (spinach)
**** R01GM-14595-08 0007** Continuity of cellular organelles - Photosynthesis and respiration during plastid development (Euglena)
R01GM-14971-08 Bimolecular (bilayer) lipid membranes in aqueous media
**** R01GM-16314-06** Hydrogen activation and transfer in biological systems (plants, microorganisms)
R01GM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
R01GM-20066-02 Refinement of the 3D structure of thermolysin (bacteria)
**** R01GM-20173-02** Regulation of bacterial membrane formation
R01GM-20367-02 Molecular aspects of membrane development (bacteria)
R01GM-20571-01 Iron-sulfur proteins as carriers in electron transfer
PO7RR-00355-08 High resolution mass spectrometer facility

PHOTOSYNTHETIC BACTERIA

SEE BACTERIA, PHOTOSYNTHETIC*

PHOTOTHERAPY

- R01AM-11275-08** Bile pigment metabolism (human, rats)
R01AM-14543-04 Alternate pathways of bilirubin metabolism (human, rats)
PO1AM-15515-03 0006 Psoriasis biology, psoriagenesis and lesion control - Therapeutic mechanism of sunlight
**** R01CA-05003-16 0011** Dermatologic reactions induced by solar radiation - Phototherapy of idiopathic leukoderma
**** R01CA-15341-01** Photodynamic therapy of malignant tumors
PO1CA-15655-01 0035 Cancer center support grant - Early diagnosis of skin cancer by ultraviolet video techniques (human)
**** P01ES-00269-08 0002** Biological effects of environmental radiation - Photochemistry of photoactive agents (rats, human)
PO1ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
**** P01GM-16492-06 0024** Design of chemotherapeutic agents - Photoproducts of bilirubin formed during phototherapy for jaundice (human, rats)
**** R01GM-21248-01 0004** New applications of mass spectrometry in pharmacology - Photoproducts of bilirubin formed in vivo (human, rats)
PO1HD-01799-09 0028 Mental retardation research center - Developmental hepatic physiology and bilirubin encephalopathy (monkeys, human)
PO1HD-02147-08 0012 Extrauterine growth and development - Bilirubin production in infancy (dogs, human)
R01HD-02268-09 Maturation of liver for the metabolism of bilirubin (rats, human)
PO1HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)
R01HD-03783-06 0001 Pathogenesis of neonatal physiologic jaundice - Bilirubin synthesis and hepatic transport (monkeys)
R01HD-03783-06 0002 Pathogenesis of neonatal physiologic jaundice - Plasma protein binding of bilirubin and kernicterus (monkeys, rats)
- ** R01HD-06468-01** Bilirubin toxicity-Metabolic effects of phototherapy (rats)
**** R01HD-42818-00** Phototherapy for neonatal hyperbilirubinemia (human)
R01HD-42819-00 Phototherapy for neonatal hyperbilirubinemia
**** R01HD-42820-00** Phototherapy for neonatal hyperbilirubinemia (human)
**** R01HD-42821-00** Phototherapy for neonatal hyperbilirubinemia (human)
**** R01HD-42822-00** Phototherapy for neonatal hyperbilirubinemia (human)
**** R01HD-42823-00** Phototherapy for neonatal hyperbilirubinemia
PO1NS-07468-07 Sensory biology research center
**** PO7RR-00015-12 0093** Medical school computer facility - Hepatic excretory function
**** MO1RR-00040-14 0080** General clinical research center - Phototherapy of hepatic excretory function in chronic liver disease (human)
**** MO1RR-00081-12 0029** General clinical research center, premature infants - Determination of urinary porphyrin during phototherapy
**** MO1RR-00628-04 0070** General clinical research center for children - Studies of newborn infants receiving phototherapy (for hyperbilirubinemia)

PHRENIC NERVE

SEE NERVOUS SYSTEM, SPINAL NERVES, PHRENIC NERVE

PHTHALATES (GENERAL)

SEE PHENYL CARBOXYLATES, PHTHALATES (GENERAL)

PHTHALAZINEDIONES

SEE BENZODIAZINES, PHTHALAZINEDIONES

PHTHALIC ACIDS (GENERAL)

SEE PHENYL CARBOXYLATES, PHTHALATES (GENERAL)

P-PHTHALIC ACID

SEE PHENYL CARBOXYLATES, TEREPHTHALIC ACID

PHTHALOCYANINS

SEE ALSO PORPHINS

SEE ALSO PORPHYRINS

- R01AM-16508-02** Analog systems for biological porphyrins
R01AM-17331-02 Organo metallic derivatives of biological compounds
**** P01GM-15423-07 0023** Molecular basis of control mechanisms - Photoelectron microscopy of organic surfaces

PHYCOBILINS

R01GM-11061-12 Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria)

PHYCOMYCETES

SEE FUNGI, PHYCOMYCETES*

PHYLOGENY

SEE BIOLOGY, SYSTEMATIC, EVOLUTION AND PHYLOGENY

PHYSARUM

SEE FUNGI, SLIME MOLDS, MYXOGASTRALES*

PHYSIATRY

SEE HEALTH CARE SERVICES, PHYSICAL MEDICINE

PHYSICAL ACTIVITY, EFFORT

SEE HEALTH, PHYSICAL ACTIVITY, EXERCISE

PHYSICAL AND/OR CHEMICAL AGENTS**INTERACTION (BIOLOGICAL AND****ECOLOGICAL)**

- R01CA-05654-14** Evaluation of supvoltage therapy (human)
R01CA-06437-13 Molecular basis of radiation lethality (bacteria)
R01CA-08318-07 Radiation effect on protein and nucleic acid metabolism (rats)
R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
R01CA-14165-02 Optimization of radiation therapy (mice)
R01CA-16110-01 Recovery from radiation-induced cycle delay (bamsters)
MO1CP-45615-01 In vitro interaction between chemical and viral carcinogens
PO1ES-00597-04 0006 Food-borne environmental toxicants - Extrahepatic induction of microsomal enzymes by BHT in the neonate rat
PO1ES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals
R01ES-00656-01 Interaction of mycotoxins with macromolecules (mammals, bacteria)
R01ES-00674-01 Carcinogenicity of environmental mycotoxins (rats)
R01ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
**** R01ES-00963-01** Toxic metal synergism and mixed chelate therapy (mice)
R01HD-06468-01 Bilirubin toxicity-Metabolic effects of phototherapy (rats)

(contd)

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**Oriented significantly to above subject.

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PHYSICAL AND/OR CHEMICAL AGENTS**INTERACTION (BIOLOGICAL AND ECOLOGICAL), PESTICIDES INTEACTION**

- RO1CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
 RO1ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
 RO1ES-00507-15 Toxicologic interactions of insecticides (rats, mice)

PHYSICAL AND/OR CHEMICAL AGENTS**INTERACTION (BIOLOGICAL AND ECOLOGICAL), POLLUTANTS INTEACTION**

- RO1ES-00803-03 Cellular response to environmental stress (slime molds)
 RO1HL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke

PHYSICAL FITNESS

SEE HEALTH, PHYSICAL FITNESS

PHYSICAL MEDICINE

SEE HEALTH CARE SERVICES, PHYSICAL MEDICINE

PHYSICAL PROPERTIES (STATES)(PROCESSES)

SEE ALSO CHEMICAL STRUCTURE
 SEE ALSO CHEMISTRY, QUANTUM (GENERAL)
 SEE ALSO ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)
 SEE ALSO ENVIRONMENT, ATMOSPHERIC PRESSURE
 SEE ALSO ENVIRONMENT, GRAVITY-MOTION
 SEE ALSO ENVIRONMENT, STRESS MECHANICAL
 SEE ALSO MOLECULAR FRICTIONAL PROPERTIES
 SEE ALSO MOLECULAR POLARITY
 SEE ALSO MOLECULAR SIZE
 SEE ALSO MOLECULAR WEIGHT
 SEE ALSO OPTICS*
 SEE ALSO RADIATION
 SEE ALSO TEMPERATURE (SEE ALSO THERM...)

- RO1AM-16514-02 Longitudinal study of skeletal status in women
 NO1AM-42227-00 Evaluation of chelating agents in treatment of Cooley's anemia (dogs)
 RO1CA-15585-01 Soluble mediator of tumor induced immunosuppression (mice)
 NO1CB-44012-00 Xeromammography versus film mammography (human)
 ** RO1GM-10906-13 Statistical mechanics of biological macromolecules
 RO1GM-20803-01 Spectroscopic investigation of conformational changes
 ** NO1HB-32916-02 Materials development and testing
 ** NO1HD-42838-00 Physicochemical characterization of human cervical mucus
 RO1HL-16190-01 Effects of prostaglandins on human erythrocytes

PHYSICAL PROPERTIES, ADHESION

SEE ALSO CELL ADHESION

SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
 SEE ALSO SURGICAL ADHESIVES

- RO1AI-03242-13 0006 Genetics, structure, and function of bacterial pili - Pili structure, isolation, and classification (bacteria, bacteriophage)
 NO1AM-71160-15 Membrane structure concept for application in hemodialysis
 ** PO1CA-07175-11 0018 Cancer research at the McArdle laboratory - Cell motility and adhesion (chick embryo)
 ** NO1CB-43985-00 Normal and tumor cell surface antigens
 PO1DE-02847-06 0015 Microbial ecology and its relation to dental disease - Surface components of bacteria adhering to teeth and oral epithelia (rats, human)
 ** PO1DE-02847-06 0016 Microbial ecology and its relation to dental disease - Ability of materials to modify bacterial adherence to oral surfaces (rats, human)
 ** PO1DE-02847-06 0017 Microbial ecology and its relation to dental disease - Bacterial adherence and tissue predilection of pathogenic bacteria (human)
 RO1DE-03488-03 Microbial composition of dental plaque
 RO1DE-03654-02 Molecular basis of dental caries (hamsters)
 RO1EY-00210-14 Physiologic studies of the living cornea in vitro (human, rabbits)
 ** RO1GM-21296-01 Improved detection and visualization of colon lesions
 RO1HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
 RO1HL-01648-27 Blood coagulation and hemophilia (human, animals)
 RO1HL-09902-09 Comparative study of coagulation and vascular disease (animals, human)
 ** RO1HL-13296-04 Blood platelets membranes, aggregation and adhesion (humans)
 P18HL-15168-03 0004 Comprehensive sickle cell disease center - Hemostatic function (human)
 RO1HL-15335-02 The nature of the collagen-platelet interaction (animals)
 RO1HL-16841-01 The interaction of blood platelet membrane and fibrin (rabbits, chickens)

RO1NS-08597-06 Synaptic membrane structure and function (rats)

PHYSICAL PROPERTIES, ADSORPTION

- ** RO1AI-03242-13 0004 Genetics, structure, and function of bacterial pili - Adsorption, eclipse, and penetration of plus phages (bacteria)
 PO1AI-11851-01 0009 Biology and biochemistry of lymphocyte surface - Virus-lymphocyte interactions (mice)
 RO1AI-12103-01 Mycoplasma-cell interaction and interferon induction (human, sheep, mice)
 ** RO1AM-02896-14 The surface chemistry of bone mineral
 RO1AM-15461-08 Physical and chemical nature of the cutaneous barrier (human)
 RO1CA-16301-01 0003 What distinguishes water in cancer and normal tissues? - Distribution of non-metabolizable sugars (chicks, rabbit, frog, human)
 PO1DE-01850-11 0010 Fluoride metabolism - State of fluoride in plasma
 ** PO1DE-02111-10 0002 Synthetic and natural dental materials - Adsorption and corrosion studies
 ** PO1DE-02847-06 0014 Microbial ecology and its relation to dental disease - Adsorption of odontopathic bacteria to hydroxy apatite surfaces (human)
 PO1ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
 PO1ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
 ** PO1ES-00210-07 0031 Center for environmental management - Adsorption of tritium labeled Q-beta virus on powdered silica
 RO1ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
 RO1FD-00011-09 Activated charcoal-Antidote in accidental poisoning (rats, dogs)
 ** RO1FD-00480-01 Sorption methods in the treatment of child poisoning
 RO1GM-11422-11 0001 Cell water, ions and control mechanisms - Cell water and its properties (frogs, birds)
 RO1GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of NO and other ions in cells (frogs)
 PO1GM-15731-06 0002 Proteolytic enzymes-Diversity, function, homology - Biospecific adsorption
 PO1GM-15904-07 0034 Anesthesiology center for research and teaching - Kinetics of surfactant adsorption and desorption
 PO1GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
 PO1GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
 PO1GM-21056-01 0007 Interfacial behavior of biomaterials - Materials surfaces for hyperlipidemia detection
 RO1GM-21258-01 Synthetic glycoproteins
 NO1HB-32910-03 Coordinated studies of platelet and protein reactions on artificial materials
 RO1HD-06908-02 Membrane changes in mammalian spermatozoa (rabbits)
 ** PO1HL-07762-12 0004 Cardiovascular control by neural and chemical systems - Modeling of the circulatory system
 PO1HL-15195-01 0002 Program project in biological materials - Structural and surface characterization
 PO1NS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)

PHYSICAL PROPERTIES, AEROSOLS

SEE ALSO PHYSICAL PROPERTIES, FLUID STATE, VAPORS
 SEE ALSO PHYSICAL PROPERTIES, PARTICLES, DUST

- NO1AI-22521-04 Study of BCG vaccination by aerosol route in monkeys
 PO1AM-08305-11 0004 Cystic fibrosis and pulmonary disease - Bacteriology and antibacterial defense mechanisms in CF (human)
 NO1CB-33855-04 Study of intrabronchial deposition on inhaled radioopaque particles
 NO1CB-43857-00 Human lung cancer-Evaluation of BCG therapy
 ** RO1DA-00127-02 A study of chronic marijuana inhalation (dogs)
 PO1ES-00159-09 0020 Center for study of the human environment - Interaction of toxic and essential metals with the brain (rabbits)
 PO1ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
 PO1ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
 ** PO1ES-00260-12 0002 Research in the environmental health sciences - Respiratory disease aerosol physiology (human)
 PO1ES-00260-12 0004 Research in the environmental health sciences - Biomathematics (human)
 PO1ES-00260-12 0010 Research in the environmental health sciences - Respiratory tract particle deposition and bronchial clearance (human, donkeys)
 RO1ES-00353-07 Pathogenesis of pulmonary berylliosis (guinea pigs)
 RO1ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)

- ** RO1ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
 RO1ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
 ** NO1ES-42164-00 Exposure to airborne environmental agents (rats, rabbits, hamsters)
 RO1FD-00574-01 Pharmacokinetics and toxicity of aerosol propellants (dogs, rabbits)
 ** PO1GM-16436-06 0047 Bioengineering program project - Aerosol motion in an airway
 RO1GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
 RO1HL-03532-17 Cardiovascular control and compensatory responses (human, dogs, monkeys)
 ** RO1HL-13414-04 Behavior of aerosol particles in internal flows
 RO1HL-13829-04 Bronchial perfusion for lung preservation (dogs)
 P17HL-14152-04 0017 Pulmonary specialized center of research - Animal model of pulmonary obstructive disease (sheep)
 P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
 P17HL-14201-04 0012 Pulmonary disease research center - Hyper-irritability of the airways in patients with asthma (also dogs)
 ** RO1HL-14412-03 Cardiac toxicity of aerosol propellants (human, mammals)
 P17HL-15063-03 0001 SCOR diffuse infiltrate vs lung disease - Chronic interstitial pneumonia (human, dogs)
 P17HL-15063-03 0005 SCOR diffuse infiltrate vs lung disease - Experimental pulmonary emphysema (rats, human)
 P17HL-15389-03 0001 Wisconsin Pulmonary Disease Research Center - Patients known to have hypersensitivity pneumonitis
 P17HL-15389-03 0005 Wisconsin Pulmonary Disease Research Center - Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents)
 P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
 RO1HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
 RO1OH-00337-05 Mechanisms of cadmium toxicity (rats)
 M RO1OH-00340-05 Respiratory effects of inhaled gases and aerosols
 ** RO1OH-00340-05 0006 Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
 RO1OH-00340-05 0011 Respiratory effects of inhaled gases and aerosols - Sulfur dioxide plus sodium chloride-Functional effects (guinea pigs)
 RO1OH-00367-03 Respiratory tract irritants-Mechanisms and tolerance (mice, rabbits)
 ** RO1OH-00396-02 Aerosol deposition in human subjects
 P07RR-00007-11 0327 Computer processing in biomedical systems - Parenchymal distortion
 MO1RR-00109-11 0043 General clinical research center - Aerosol antigen challenge in allergic bronchopulmonary aspergillosis

PHYSICAL PROPERTIES, AEROSOL AND PARTICLE BEAMS

- PO1CA-13343-02 0020 Environmental cancer - Computer model for calculating lung tissue dose from inhaled carcinogens (human)
 ** PO1CA-13343-02 0021 Environmental cancer - Toxicology-Dosimetry and particulate carcinogens (human)
 ** PO1CA-13343-02 0022 Environmental cancer - Use of aerosols for lung cancer diagnosis and screening surveys (donkeys, human)

PHYSICAL PROPERTIES, CERAMICS

- PO1AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 RO1DE-03802-01 Nonbiologic implant support for overdentures (monkeys)
 RO1ES-00797-01 Inorganic particles in cigarettes and cigarette smoke
 ** PO1GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
 PO1GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
 PO1GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
 PO1GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
 PO1GM-21056-01 0011 Interfacial behavior of biomaterials - Fixation of joint prostheses (monkeys)
 PO1GM-21056-01 0012 Interfacial behavior of biomaterials - Middle ear prostheses (monkeys, human)

PHYSICAL PROPERTIES, COAGULATION

- SEE ALSO BLOOD COAGULATION
 SEE ALSO NUCLEIC ACIDS DENATURATION
 SEE ALSO PHYSICAL PROPERTIES, COLLOIDS, GELS
 SEE ALSO PROTEINS COAGULATION
 SEE ALSO PROTEINS DENATURATION
 P13DE-02668-08 0024 Dental research center - Hemostatic mechanisms

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PHYSICAL PROPERTIES, COAGULATION, ELECTROCOAGULATION

- ** PO1EY-00227-13 0003 The posterior segment of the eye - Heat generation and propagation in ocular tissues (human)
 PO1EY-00227-13 0008 The posterior segment of the eye - Methods of retina surgery (human, dogs, rabbits)
 MO1RR-00030-13 0007 General clinical research center - Extrapyramidal disorders and focal epilepsy with electrode implants (human)

PHYSICAL PROPERTIES, COAGULATION, PHOTOCOAGULATION

- SEE ALSO THERAPY, CAUTERY, PHOTOCOAGULATION THERAPY
 PO1EY-00227-13 0003 The posterior segment of the eye - Heat generation and propagation in ocular tissues (human)
 PO1EY-00227-13 0010 The posterior segment of the eye - Diabetic retinopathy (human)
 RO1EY-00250-11 Diabetic retinopathy (human, dogs)
 ** RO1EY-00318-06 Lasers in ophthalmic diseases (human, monkeys)
 ** RO1EY-00643-02 Collaborative diabetic retinopathy study (human)
 ** RO1EY-00648-01 Collaborative study of diabetic retinopathy (human)
 ** RO1EY-00650-01 Collaborative diabetic retinopathy study (human)
 RO1EY-00725-03 Proliferative vitreoretinopathy ultrastructure (human, guinea pigs)
 RO1EY-00790-03 Pathology of retinal dysfunction (human, monkeys)
 RO1EY-00791-03 Development of system to study ocular vascular dynamics (human)
 ** RO1EY-01078-02 Experimental argon laser photocoagulation (primates)
 RO1EY-01107-02 Intravitreal surgery techniques (human, monkeys, rabbits)
 RO1EY-01310-01 Fovea-Anatomical and behavioral studies (animals)
 ** PO1HS-03354-13 0006 Neurosensory center - Ophthalmic pathology (human, rabbits)

PHYSICAL PROPERTIES, COALESCENCE

- SEE ALSO PHYSICAL PROPERTIES, EMULSIONS
 RO1AM-16224-03 Chemical basis of cyanate therapy in sickle cell anemia (human, animals)
 RO1GM-12592-10 Photoprocesses in the organic solid state
 RO1GM-16389-06 Proteins of the cell membrane (human, rabbits)
 ** RO1GM-19079-03 0003 One MEV scanning transmission electron microscope - Coalescence of large, well ordered aggregates (viruses)

PHYSICAL PROPERTIES, COHESION

- SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
 PO1GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)

PHYSICAL PROPERTIES, COLLOIDS, COLLOIDAL STATE

- SEE ALSO CHEMICAL AGGREGATES, MICELLE FORMATION
 SEE ALSO PHYSICAL PROPERTIES, AEROSOLS
 SEE ALSO PHYSICAL PROPERTIES, EMULSIONS
 SEE ALSO PHYSICAL PROPERTIES, SUSPENSIONS
 RO1AI-12142-01 Biochemical studies of a major opsonic protein (rats, rabbits, human, chickens)
 RO1AM-06439-12 Metabolism and endocrine function in the thyroid (rats)
 RO1AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
 RO1AM-15876-03 Myofibrillar lattice-Morphology and function (decapods)
 RO1AM-16244-07 Renal lymph and renal function (dogs)
 ** RO1CA-14969-02 0006 Radionuclide studies of tumors and growth - Microcrystalline colloids as a new tool in nuclear medicine
 RO1CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
 RO1FD-00083-08 Determination and reaction of food gums
 RO1FD-00117-09 Hydrophilic colloid interactions in foods
 PO1GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
 RO1GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
 RO1GM-20885-01 Radiographic visualization of liver and spleen (human, rats, dogs)
 RO1GM-21084-01 Immobilized enzyme systems for use in cancer research
 ** RO1HL-09415-10 Rheology and phase transitions in model dispersions

PHYSICAL PROPERTIES, COLLOIDS, GELS

- SEE ALSO PHYSICAL PROPERTIES, COAGULATION
 RO1AM-14121-05 Metabolic control of epidermal cell growth (human, rabbits)
 PO1AM-15671-04 0011 The biology of skeletal and other connective tissues - Crosslinks in bone collagen (chickens, rats)
 PO1AM-16281-02 0009 Uremia-pathogenesis, effects, and possible prevention - Prevention of secondary hyperparathyroidism (human)

- PO1CA-10815-06 0080 Consolidated basic cancer research program - Viral protein in avian sarcoma virus-infected cells
 ** NO1CP-23245-02 Optimizing electrophoretic separation of proteins with new hydrogels (human)
 RO1DE-03543-03 Growth of hydroxyapatite crystals
 RO1EY-00327-09 Synthetic hydrophilic polymers for eye surgery (rabbits, cattle)
 ** RO1EY-00501-06 Opticomechanical study of gel structures in the eye (cattle, human, rats)
 RO1GM-10906-13 Statistical mechanics of biological macromolecules
 ** P11GM-15477-08 0059 Drug metabolism and biochemical pharmacology - Drug-protein binding by gel filtration
 RO1GM-15692-07 Rad coil ion transport and lipid bilayers (human, dogs, flies)
 RO1GM-16133-07 0002 Immobilized enzymes to analyze and alter metabolism - Asparaginase for intravenous injection (rats)
 RO1GM-16133-07 0003 Immobilized enzymes to analyze and alter metabolism - Immobilized antibody for radioimmunoassays (mammal)
 RO1GM-16133-07 0007 Immobilized enzymes to analyze and alter metabolism - Bradykinin assay in blood (human)
 RO1GM-16133-07 0009 Immobilized enzymes to analyze and alter metabolism - Australian antigen (human, guinea pigs)
 RO1GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
 ** NO1HB-12017-07 Fabrication of grafted hydrogel coatings for plastic heart assist devices
 NO1HB-61124-16 Polymer studies of prosthetic cardiac materials
 ** PO1HL-11678-07 0016 Cardiovascular dynamics and their control - Properties of interstitium
 PO1HL-13738-03 0005 Cardiac assist devices and artificial hearts - Development of new materials for artificial heart and assist devices (sheep)
 ** PO1HL-13979-04 0017 Cardio-pulmonary-renal program - Gelation of deoxygenated sickle cell hemoglobin (human)
 P17HL-14217-04 0010 Specialized center of research in thrombosis - The clottable protein of Limulus polyphemus blood cells
 P18HL-15160-03 0002 Comprehensive sickle cell disease center - Dissociation of hemoglobin S by inorganic and organic compounds (human)
 ** PO1HL-16833-01 0002 Hemoglobin and red cell system in hemoglobinopathies - Polymerization and gel formation in solutions of hemoglobin A and S
 ** RO1HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)

PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION

- SEE ALSO CHEMICAL AGGREGATES, MICELLE FORMATION
 RO1AA-00292-04 The enzyme-substrate compound of catalase in alcoholism (animals)
 RO1AI-09846-05 New antibiotics isolation, synthesis and evaluation (plants, bacteria, fungi)
 RO1AM-12722-06 Characterization of human isoamylases (also animals)
 ** RO1AM-13023-06 A physical approach to stone formation
 ** RO1AM-13069-06 Studies of crystal deposition diseases (human)
 RO1AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
 ** RO1AM-16132-03 Growth and agglomeration of calcium oxalate crystals
 RO1AM-16446-02 X-ray crystal structure of sickle cell hemoglobin
 ** RO1AM-16449-01 Nucleation of calcification by hard tissue collagen
 RO1AM-17008-01 Structure and function of creatine kinase (rabbits, chicken)
 ** RO1AM-17054-01 Sodium urate nucleation (human)
 RO1AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
 RO1AM-17562-01 and nucleation
 Biliary cholesterol solubility phenomena
 ** RO1AM-17717-01 Epitaxial relationships in urolithiasis
 ** RO1AM-17719-01 Calcium oxalate supersaturation and crystallization
 RO1AM-18074-01 Crystal deposition diseases (human, rats, rabbits)
 RO1CA-02290-21 Purification and chemistry of protein hormones (human, animals)
 RO1CA-10925-25 Application of crystallographic techniques
 RO1CA-12391-03 Molecular interactions of nucleic acids
 RO1CA-13840-02 Structural studies on dihydrofolate reductase (bacteria, cattle)
 RO1CA-14969-02 0006 Radionuclide studies of tumors and growth - Microcrystalline colloids as a new tool in nuclear medicine
 RO1CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
 RO1CA-15802-01 Crystalline complexes of RNA with small molecules (yeast)
 RO1DE-02147-10 Phase equilibrium and setting in dental amalgams (human)

- ** PO1DE-02953-06 0015 Developmental biology of calcified tissues - Point-defect structure and properties of apatite
 ** PO1DE-02953-06 0017 Developmental biology of calcified tissues - Crystalline structure of dental enamel
 RO1DE-03460-02 Electrochemistry of apatites in relevant chemicals
 ** RO1DE-03543-03 Growth of hydroxyapatite crystals
 ** RO1FD-00639-06 Thermoluminescent dosimeter crystals
 RO1GM-10704-12 Structural studies of protein subunits (dogfish, pigs, lobster)
 RO1GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of K⁺ and other ions in cells (frogs)
 ** RO1GM-12176-10 0003 Redox reactions by optical and EPR spectrometry - Crystallization of ferredoxin (plants, cattle)
 RO1GM-13914-09 0004 Macromolecules of circulatory and genetic importance - Nucleo-histones
 RO1GM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
 PO1GM-15423-07 0031 Molecular basis of control mechanisms - Molecular weight determination
 ** PO1GM-15423-07 0033 Molecular basis of control mechanisms - Small molecules
 RO1GM-15539-07 Reactions of physiological importance
 RO1GM-16784-05 Structure-function and evolutionary studies of proteins (bacteria, plants, cattle)
 PO1GM-17940-04 0004 Integrated electronics for medical applications - Advanced technology
 ** RO1GM-18541-04 Structural analysis of crystalline ribosomes (chick embryo)
 RO1GM-19301-03 Protein kinase-Structure and c-AMP interaction (pig)
 RO1GM-19564-03 Enzymology of isoleucine and valine biosynthesis (bacteria)
 RO1GM-19684-02 Ionophores, transport, and membrane structure
 RO1GM-19921-08 Electronic properties of complex molecules (cattle)
 RO1GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
 RO1GM-20656-16 Enzymatic oxidation and phosphorylation (yeast)
 PO1GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
 ** RO1GM-21129-01 Ribosomal protein crystals-Growth and x-ray (bacteria)
 RO1GM-21164-01 Crystal structural studies of serum albumin (human)
 RO1GM-21189-01 Structural studies of biological complexes
 RO1HL-13989-03 Role of water in respiratory protein structure
 PO1HL-15195-01 0002 Program project in biological materials - Structural and surface characterization
 RO1HL-16601-01 Structure and function of blood proteins (human, rats)
 MO1RR-00058-13 0024 General clinical research center - Sugar ingestion, CA excretion, crystalluria and kidney stones (human)
 PO7RR-00757-02 0022 Implementation of laboratory automation system - Crystallization of dihydrofolate reductase and thymidylate synthetase

PHYSICAL PROPERTIES, CRYSTALS, LIQUID

- RO1AM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)
 ** RO1AM-17497-01 NMR relaxation in polypeptide liquid crystal
 ** RO1CA-10337-08 0002 Spin labeling and membrane structure - Current interpretations of ESR spectra by use of organic inclusion crystals
 RO1GM-08521-14 Carbon-13 magnetic resonance-Methods and theory
 RO1GM-10848-17 NMR spectroscopy of biologically important compounds (human)
 ** RO1GM-13556-10 Problems in theoretical chemistry and polymers
 RO1GM-14628-09 Phospholipid bilayer membranes (bacteria, mammals non-human)
 RO1GM-15847-06 High speed liquid gas chromatography
 ** RO1GM-16922-06 Cholesteric biopolymer liquid crystals
 ** RO1HL-12527-06 Light scattering and orientation in mesophases
 ** RO1HL-12528-06 NMR relaxation of liquid crystal systems
 ** RO1HL-13188-05 Transformation kinetics in mesophases

PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)

- ** RO1HL-13594-04 Studies of erythrocyte antigen site density (human, animals)
 RO1HL-16889-01 Very low density lipoprotein characterization (human)

PHYSICAL PROPERTIES, DENSITY, MAGNETIC SUSPENSION METHODS*

- ** RO1GM-19682-02 Magnetic suspension balances
 NO1HB-42961-00 Evaluation of biomaterials in contact with blood (dogs)

PHYSICAL PROPERTIES, DENSITOMETRY*

- RO1CA-13683-02 Lung cancer-Video-densitometry for mass screening

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- NO1CB-43918-00 Proton beam in tissue densitometry (human)
- R01GM-10797-09 0012 Pattern recognition in clinical medical laboratories - Cineangiogram
- P01GM-18940-02 0002 Study of radiologic images - Physical factors affecting radiographic image quality (models, human)
- P01GM-19428-03 0004 Computer aided biomedical pattern recognition - Standardization of red cell features, especially hemoglobin, (human)
- P01GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
- R01HL-03532-17 Cardiovascular control and compensatory responses (human, dogs, monkeys)
- P01HL-04664-14 X-ray videometry computer analysis of cardiodynamics (dogs)
- ** P01HL-07293-13 0034 Cardiovascular instrumentation research and development - Transilluminated light detection (infants)
- ** R01HL-13932-04 Physiologic data acquisition from medical fluoroscopy (human, animals)
- R01HL-16623-01 Capillary permeability in the lung (dogs)
- ** P07RR-00007-11 0288 Computer processing in biomedical systems - Renal blood flow measurement by roentgen video-densitometry
- ** P07RR-00007-11 0321 Computer processing in biomedical systems - Densitometric analysis of fluorescent stained chromosomes (human)
- ** P07RR-00007-11 0323 Computer processing in biomedical systems - Densitometry studies of vertebrae (human)
- ** P07RR-00007-11 0324 Computer processing in biomedical systems - Congenital heart disease by roentgen videodensitometry
- P07RR-00007-11 0325 Computer processing in biomedical systems - Myocardial revascularization procedures (human)
- P07RR-00007-11 0326 Computer processing in biomedical systems - Mapping of myocardial blood flow
- P07RR-00007-11 0330 Computer processing in biomedical systems - Computer graphic techniques
- P07RR-00007-11 0343 Computer processing in biomedical systems - Computer technology of physiology systems

PHYSICAL PROPERTIES, DIFFUSION

- SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
- SEE ALSO BODY FLUID BALANCE, ION EXCHANGE AND TRANSPORT
- SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNODIFFUSION TESTS*
- R01AM-16694-01 Mechanisms of cholesterol gallstone dissolution rates (human)
- R01CA-08723-06 Polarographic kinetic protein waves (bovine serum)
- P01CA-08748-09 5550 Research program of Sloan-Kettering Institute - Rediffusion of oxygen in thin bacterial layer
- R01CA-10337-08 Spin labeling and membrane structure
- R01DE-01912-11 Neutron diffraction studies of tooth components (human)
- R01DE-02152-09 0008 Dental physiology and biophysics - Physical properties of the tooth (human, dogs)
- ** R01DE-02659-08 0004 Solubility and diffusion of calcium phosphates - Mechanism of dental caries (models)
- P01DE-02953-06 0017 Developmental biology of calcified tissues - Crystalline structure of dental enamel
- R01DE-03187-04 Transport in enamel and solubility of fluoridated apatites (human)
- R01DE-03513-03 Dermal-epidermal diffusion in human gingival sulcus tissue
- NO1DE-42446-00 Fluoride releasing system for oral use (human)
- R01EY-01207-01 Normal and cataractous lens cell bioelectric properties (rats, frogs)
- M R01GM-11422-11 Cell water, ions and control mechanisms
- R01GM-11422-11 0001 Cell water, ions and control mechanisms - Cell water and its properties (frogs, birds)
- R01GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of K⁺ and other ions in cells (frogs)
- R01GM-11598-11 Drug effects on salute transport across epithelia (frogs, hamsters)
- P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
- P01GM-15003-13 0017 The biological functions of metals - Biomacromolecular directed transport in structure studies
- R01GM-15152-07 Permeability of membranes
- R01GM-15692-07 Red cell ion transport and lipid bilayers (human, dogs, flies)
- R01GM-18298-03 Dielectric and NMR studies of proteins (cell lines)
- ** P01HD-03015-08 0020 Program for developmental biology - Morphogens in retino-tactal connections (toads)
- R01HD-06313-03 Convection and diffusion in the vertebrate embryo (chick embryo, rats)
- ** P01HL-08899-10 0029 Oxygenation and oxygen effects in man - Isobaric gas counter diffusion phenomena (human, pigs)
- P01HL-09251-10 0001 Implantable artificial circulatory pumping systems - Blood and flow studies (human, mammals)

- R01HL-09719-10 Dispersion of diffusible indicators in the body (human, cats, dogs)
- R01HL-09739-09 Biophysical studies of proteins (human, bacteria)
- R01HL-12528-06 MMR relaxation of liquid crystal systems
- R01HL-12958-08 Dissociation of normal and abnormal hemoglobins (human, deer)
- P01HL-14322-03 0012 Interdisciplinary program in biomaterials science - Facility for measurement of physical and chemical changes in macromolecules
- ** P01HL-14414-03 0004 Cardiorespiratory performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
- ** P01HL-14414-03 0012 Cardiorespiratory performance and environmental factors - Factors limiting gas exchange between tissues and blood (dogs)
- P01HL-15194-02 0007 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Speed of bicarbonate-chloride shift (human)
- P01HL-15194-02 0009 Pathophysiology of cardiopulmonary dysfunction - Erythrocyte membrane and hemoglobin concentration on oxygen exchange (human)
- R01HS-11264-01 Amino acids as neurotransmitters (cats)
- ** R01OH-00340-05 0002 Respiratory effects of inhaled gases and aerosols - Low concentrations of ozone (cats, human)
- ** P07RR-00007-11 0301 Computer processing in biomedical systems - Intracellular diffusion kinetics
- ** P07RR-00007-11 0302 Computer processing in biomedical systems - Diffusion of calcium in extracellular space

PHYSICAL PROPERTIES, ELASTICITY

- SEE ALSO PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY
- SEE ALSO PLASTICS, ELASTOMERS
- ** R01AM-16293-01 Constitutive equations for soft tissues (rats)
- ** R01AM-16914-01 Red cell cation transport and contractile function (human)
- P01EY-00227-13 0005 The posterior segment of the eye - Effects of contusion of the globe (human)
- P01GM-16436-06 0001 Bioengineering program project - Cardiac muscle mechanics(mammals)
- ** P01GM-16436-06 0027 Bioengineering program project - Clinical evaluation of skin elasticity (human)
- R01GM-19664-01 Glass-elastomer composite biomaterials
- ** P01GM-20309-02 0005 Acute trauma study center - Erythrocyte deformability (human, dogs)
- NO1HB-32912-01 Development of polymer fibers
- ** P01HL-08682-11 0005 Regulation of the cardiovascular system - Mechanical properties of blood vessels (dogs)
- R01HL-11152-08 Vascular physiology (human, cats, dogs, goats)
- P01HL-11306-08 0034 Cardiovascular research program - Cardiac muscle mechanics (mammals nonhuman)
- R01HL-12980-05 Flow in collapsible tubes and airway compression
- ** P01HL-13737-04 0035 Assisted circulation - Mapping the geometry and elasticity of the aorta
- P17HL-14152-04 0011 Pulmonary specialized center of research - Effects of ozone on the properties of the lungs (rabbits)
- P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
- ** P17HL-14228-04 0005 Specialized center of research in thrombosis - Mechanical properties and formation of fibrin networks (human)
- P01HL-14780-02 0025 Mechanisms and treatment of cardiovascular diseases - Left ventricular contractility (human, dogs)
- R01HL-15497-02 Factors affecting growth and function of lung (rats)
- P01HL-15832-02 0005 Chemical predispositions to lung injury - Pulmonary structure and stress-strain relationships (mammals)
- ** R01HL-16177-01 Contractile and elastic properties of cardiac muscle (cats)
- ** R01OH-00340-05 0004 Respiratory effects of inhaled gases and aerosols - Ozone and elasticity of rabbits lung

PHYSICAL PROPERTIES, EMULSIONS

- SEE ALSO PHYSICAL PROPERTIES, COALESCENCE
- SEE ALSO PHYSICAL PROPERTIES, SUSPENSIONS
- R01AL-12142-01 Biochemical studies of a major opsonic protein (rats, rabbits, human, chickens)
- R01GM-13885-09 Physical and catalytic behavior of hydrolytic enzymes (snakes, swine, fruit)
- P01HL-10098-10 0032 Primates in cardiovascular research - Blood substitute and tissue culture
- R01HL-16855-01 Cavitation in biological systems
- R24RR-00754-01 Emulsions and image intensifier for the HVEM

PHYSICAL PROPERTIES, FLOWMETERS

- (GENERAL)*
- SEE ALSO AIR FLOW MEASUREMENTS (ENVIRONMENTAL)
- SEE ALSO CARDIOVASCULAR METHODS DIAGNOSTIC, BLOOD FLOWMETERS*
- SEE ALSO RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*
- R01GM-20901-01 Flow systems-Cell preparation, cytochemistry, pathology (human, animals)

- ** R01HL-16555-01 Engineering development of an ultrasonic ventiliometer

PHYSICAL PROPERTIES, FLOWMETERS, STOP FLOW TECHNIQUE*

- R01AM-12599-06 Chemical studies with free and bound vitamin B12 (bacteria)
- R01AM-14145-05 Pharmacology of renal tubular excretory transport (chicken)
- R01GM-13116-09 Kinetic investigation of biochemical reactions
- P01GM-15003-13 0018 The biological functions of metals - Rapid kinetics in structure studies
- R01GM-16834-06 0003 Flavoproteins-On-line computers-Instrumentation - Instrumentation
- R01GM-17190-05 Enzyme kinetics by nuclear magnetic resonance
- R01GM-18669-03 Mechanism of superoxide dismutase (cattle)
- R01GM-19458-03 Electron transfer in pyruvate dehydrogenase complex (swine, microorganisms)
- R01HL-16660-03 Cholesterol and other lipids in membrane function (protozoa)

PHYSICAL PROPERTIES, FLUID DYNAMICS (GENERAL)

- SEE ALSO CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
- SEE ALSO EYE, INTRAOCULAR FLUID DYNAMICS
- R01AL-08427-06 The physical structure of viruses
- ** R01AM-08901-09 0004 Small intestinal slow wave - Fluid mechanics of human duodenum
- R01AM-14589-04 Muscle contraction and macromolecular conformation
- P01AM-17433-01 0002 Cardiovascular, metabolic aspects of membrane transport - Functional structure of renal tubule (Necturus, flounders)
- ** R01CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
- R01CA-12540-03 Electro-optic instrumentation and applications in biology
- P01CA-16228-01 0001 Cell membrane in proliferation and oncogenesis - Membrane in transformation (mammals)
- P01CA-16228-01 0003 Cell membrane in proliferation and oncogenesis - Membrane events and cell function (hamsters, human)
- P1OES-00210-07 0035 Center for environmental management - Pollutant flow in the Willametta River
- R01EY-00548-04 Role of macromolecules in photoreceptor membranes
- R01GM-13914-09 0003 Macromolecules of circulatory and genetic importance - Isolation of the bacterial genome (microorganisms)
- R01GM-13914-09 0004 Macromolecules of circulatory and genetic importance - Nucleo-histones
- ** R01GM-15692-07 Red cell ion transport and lipid bilayers (human, dogs, flies)
- P01GM-16436-06 0041 Bioengineering program project - Vascular flow behavior at branch points
- P01GM-16436-06 0042 Bioengineering program project - Fluid dynamic testing of artificial heart valves
- P01GM-16436-06 0046 Bioengineering program project - Pulsatile flow generator
- ** P01GM-16436-06 0048 Bioengineering program project - Fluid dynamics of branched systems
- ** P01GM-16436-06 0049 Bioengineering program project - Modeling of curved arterial flows
- P01GM-16436-06 0051 Bioengineering program project - Fluid dynamic testing of artificial heart valves
- R01GM-17855-05 Inelastic light scattering of viruses and cells (E. coli, bacteriophage)
- R01GM-18456-04 Biophysical studies of nucleohistones (cattle)
- R01GM-18994-03 Mechanism of chemotaxis in bacteria
- R01GM-20969-02 Conformation of single-stranded DNA in solution
- ** P01HL-09251-10 0007 Implantable artificial circulatory pumping systems - Fundamental studies in fluid mechanics and transport processes (models)
- ** R01HL-09415-10 Rheology and phase transitions in model dispersions
- P01HL-13330-05 0036 Mechanical circulatory support - Left ventricular bypass (calves)
- ** P01HL-13330-05 0053 Mechanical circulatory support - Dynamics of blood flow in heart valves and prosthetic devices
- ** P01HL-13330-05 0055 Mechanical circulatory support - Fibrin deposition, thrombus formation and blood flow
- ** R23HL-17119-01 Flow in collapsible model alveolar capillary networks
- ** P01NS-03364-12 0032 Neurological research center in cerebrovascular disease - Hydrodynamic input impedance of the carotid arterial tree (dogs, monkeys)
- R01NS-11212-01 Pulse pressure in normal and hydrocephalic (cats)

PHYSICAL PROPERTIES, FLUID FLOW

- SEE ALSO AIR FLOW (ENVIRONMENTAL)
- SEE ALSO BLOOD AND RE SYSTEM, LYMPH FLOW
- SEE ALSO CARDIOVASCULAR FUNCTION, BLOOD FLOW
- SEE ALSO EYE, AQUEOUS OUTFLOW
- SEE ALSO WATER FLOW

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-16968-01 Analytic formulation of transport in single nephrons
- ** R01AM-17094-01 Mathematical modeling of viscous flow phenomena
- ** R01AM-17771-01 Lung mucociliary clearance and mucous rheology (dogs)
- POIES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
- PO1GM-13901-08 0001 Analytical biochemistry for human studies - Gas chromatography (human)
- ** PO1GM-16436-06 0043 Bioengineering program project - Fluid flow through porous polymer
- ** PO1GM-16436-06 0045 Bioengineering program project - Optical laser doppler velocimeter
- PO1GM-16436-06 0047 Bioengineering program project - Aerosol motion in an airway
- PO1HL-09251-10 0001 Implantable artificial circulatory pumping systems - Blood and flow studies (human, mammals)
- R01HL-09676-09 Thermal regulation during water immersion of man
- ** PO1HL-11310-08 0036 Mechanisms of cardiovascular disease - Physics of pulsatile fluid flow (dogs)
- R01HL-13083-05 Modeling blood rheology and hemolysis
- M PO1HL-15194-02 Pathophysiology of cardiopulmonary dysfunction
- ** PO1HL-15194-02 0013 Pathophysiology of cardiopulmonary dysfunction - Cardiopulmonary flow models-Fluid mechanics of occlusive coronary lesions (dogs)
- PO1HL-15194-02 0014 Pathophysiology of cardiopulmonary dysfunction - Cardiopulmonary flow models-Interpretation of indicator measurements (human)
- R01NS-10048-03 Mucus clearance in secretory otitis media (cattle, frogs)
- P07RR-00015-12 0100 Medical school computer facility - Factors affecting bile flow and composition (dogs)
- PHYSICAL PROPERTIES, FLUID FLOW IMPEDANCE**
SEE ALSO CARDIOVASCULAR FUNCTION, BLOOD FLOW IMPEDANCE
- PO1AM-17433-01 0002 Cardiovascular, metabolic aspects of membrane transport - Functional structure of renal tubule (Necturus, flounders)
- R23HL-17119-01 Flow in collapsible model alveolar capillary networks
- PHYSICAL PROPERTIES, FLUID STATE**
SEE ALSO BODY FLUIDS (AND RELATED SUBSTANCES)
SEE ALSO GASES (GENERAL)
SEE ALSO PHYSICAL PROPERTIES, EMULSIONS
- R01AM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)
- M R01CA-16301-01 What distinguishes water in cancer and normal tissues?
- R01GM-10906-13 Statistical mechanics of biological macromolecules
- R01GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- PO1GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
- ** PO1GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
- PO1GM-21056-01 0006 Interfacial behavior of biomaterials - Urotheliasis and urological devices (human, models)
- R01GM-21128-01 Biomembrane transitions-Density measurements
- R01NS-08116-07 Excitations in condensed molecular aggregates
- R01NS-09349-04 Intravascular magnetic techniques and the nervous system (human, mammals)
- PHYSICAL PROPERTIES, FLUID STATE, HYDROSTATIC PRESSURE**
- R01AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)
- R01AM-11489-08 Ion and water transport across renal tubules (rats)
- R01AM-16565-02 Pathophysiology of experimental immunological nephritis (dogs, rats)
- R01AM-16663-03 Electrophysiology of skin and kidney tubules (frogs, rabbits)
- ** R01EY-01413-01 Ion and water movement in ocular tissues (rabbits)
- ** PO1GM-16496-06 0050 Clinical pharmacology-Pharmacokinetics - Biliary back pressure and excretion of drugs in bile (rats)
- R01HL-00759-24 Regulation of electrolyte and acid base equilibrium (human, dogs)
- R01HL-04797-15 Pulmonary circulatory insufficiency (human, dogs, lambs)
- PO1HL-06285-14 0199 Cardiovascular-respiratory physiology and biochemistry - Renal tubular reabsorption of sodium chloride (hamsters, rabbits)
- M PO1HL-07896-13 Environmental biomedical research program
- ** PO1HL-07896-13 0023 Environmental biomedical research program - Effects of hydrostatic pressure on ventilation (dogs)
- M PO1HL-08899-10 Oxygenation and oxygen effects in man
- ** PO1HL-08899-10 0022 Oxygenation and oxygen effects in man - Effects of inert gas and hydrostatic pressures on physiological functions
- ** R01HL-10861-08 Microvascular research (bats, rabbits)
- PO1HL-12157-07 0014 Functions and mechanisms of cell membrane ion transport - Water and solute transport in giant algae cells
- R01HL-12879-05 Pulmonary transport and metabolism in vivo (dogs, human)
- R01HL-13166-05 Ultracentrifuge studies of reversible aggregation (lobsters)
- R01HL-13238-03 Cardiovascular responses to hyperthermia
- ** R01HL-13323-05 Intrarenal pressure and renal function (dogs)
- R01HL-13437-04 Physical and mechanical parameters in the microcirculation (animals)
- R01HL-13798-03 Mechanisms of control of isotonic transport (rabbits)
- P17HL-14179-04 0004 Center for the study of lung disease - Mucus abnormality in cystic fibrosis (human, rats)
- P17HL-14201-04 0019 Pulmonary disease research center - Quantitative studies on pulmonary edema (human, dogs, sheep)
- P17HL-14209-04 0004 The MIT arteriosclerosis center - Transport of lipoproteins through the arterial intima (swine)
- P17HL-14218-04 0009 Newborn lung center - Filtration coefficient of pulmonary capillaries in experimental RDS (dogs, sheep)
- ** R01HL-14801-02 Synergistic effects of oxygen and hydrostatic pressure (rats)
- R01HL-16254-01 Pathogenesis of bubble and cleft formation (fish)
- R23HL-17212-01 Computer modeling of lung water and solute exchange (sheep)
- PHYSICAL PROPERTIES, FLUID STATE, OSMOTIC PRESSURE**
SEE ALSO BLOOD OSMOTIC PRESSURE
SEE ALSO BODY FLUID BALANCE, OSMOTIC PRESSURE
SEE ALSO CELL FLUIDS, OSMOTIC PRESSURE
- R01GM-20228-01 Human analgesic assay with laboratory pain
- ** PO1HL-06296-14 0005 Human adaptation to environmental and exercise stress - Regulation of ventricular performance (animals)
- R01HL-12974-05 Tracer kinetics, flows and masses in body organs (human, dogs)
- ** R01HL-13893-03 Marine physiology-The osmotic effect of gases on water
- PHYSICAL PROPERTIES, FLUID STATE, VAPORS**
- R25DA-00969-01 Indian drug abuse research
- PO1ES-00002-12 0010 Occupational and environmental health - Inhalation toxicology (rats)
- PO1ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
- PO1ES-00210-07 0012 Center for environmental management - Mercury in the environment (rats)
- ** PO1ES-01059-01 0001 Metallic mercury vapor as an environmental hazard - Physical states of airborne mercury (animals)
- PO1ES-01059-01 0002 Metallic mercury vapor as an environmental hazard - Pharmacokinetics of inhaled mercury vapor (human, animals)
- ** P17HL-15389-03 0004 Wisconsin Pulmonary Disease Research Center - Delayed hypersensitivity to inhaled haptans (human)
- P17HL-15389-03 0005 Wisconsin Pulmonary Disease Research Center - Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents)
- ** R01OH-00518-01 Gastric response to inhaled methyl methacrylate vapor (rats)
- P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory
- PHYSICAL PROPERTIES, MECHANICAL PRESSURE**
SEE ALSO PHYSICAL PROPERTIES, TENSILE STRENGTH
- R01AM-07822-11 Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles)
- R01AM-14486-04 Biomechanics of hip disease (human)
- ** R01AM-14659-03 Influence of wrist pathomechanics on hand function (human)
- ** R01AM-16293-01 Constitutive equations for soft tissues (rats)
- PO1DE-01697-12 0007 Interdisciplinary studies in cleft palate - Techniques for evaluating velopharyngeal competency (human)
- ** R01DE-02152-09 0003 Dental physiology and biophysics - Effect of mechanical tooth displacement on pulp circulation (dogs)
- PO1EY-00227-13 0005 The posterior segment of the eye - Effects of contusion of the globe (human)
- ** PO1GM-17940-04 0002 Integrated electronics for medical applications - Integrated circuit transducers (cats)
- R01GM-18807-02 Restoration of function of damaged cells and enzymes (insects, mammals)
- R01HB-32950-02 Blood compatible poly-electrolytes
- PO1HL-06285-14 0153 Cardiovascular-respiratory physiology and biochemistry - Myocardial mechanics and pharmacology in isolated papillary muscle (animals)
- PO1HL-12373-06 0010 Cardiopulmonary physiology and pathophysiology - Pulmonary pathology and pathophysiology (dogs)
- PO1HL-13517-04 0006 Circulatory performance and production - Cardiac muscle performance dynamics of component fibers (cats, rats, rabbits)
- PO1HL-13731-04 0007 Assisted circulation - Determination of cardiac status by use of balloon pump (dogs)
- PO1HL-13738-03 0005 Cardiac assist devices and artificial hearts - Development of new materials for artificial heart and assist devices (sheep)
- PO1HL-13738-03 0007 Cardiac assist devices and artificial hearts - Fabrication and mechanical testing of devices made from the copolyurethanes
- R01HL-13803-04 Development of a trileaflet aortic valve prosthesis (baboons, human)
- ** R01HL-13821-04 Angiotensin, prostaglandins, pressure and the kidney (rats)
- P17HL-14152-04 0011 Pulmonary specialized center of research - Effects of ozone on the properties of the lungs (rabbits)
- ** P17HL-14152-04 0014 Pulmonary specialized center of research - Length tension studies of alveolar walls (human, mammals)
- P17HL-14152-04 0018 Pulmonary specialized center of research - Lipoperoxidation and lung collagen and elastin (guinea pigs)
- P17HL-14201-04 0014 Pulmonary disease research center - Early detection of emphysema (human, dogs)
- R01HL-14523-04 Generation and regulation of force in smooth muscle (animals)
- R01HL-14854-02 Lung and tissue mechanics (mice, guinea pigs)
- PO1HL-15195-01 0001 Program project in biological materials - Design and synthesis
- PO1HL-15195-01 0002 Program project in biological materials - Structural and surface characterization
- ** PO1HL-15195-01 0003 Program project in biological materials - Mechanical evaluation and fabrication
- R01HL-15768-02 Quantitative dermatology-xenon skin blood flow (human)
- R01HL-16177-01 Contractile and elastic properties of cardiac muscle (cats)
- R01HL-16726-01 Resistance and impedance of the respiratory system (human, dogs)
- ** PO1HL-16833-01 0010 Hemoglobin and rod coil system in hemoglobinopathies - Sublytic erythrocyte damage following trauma (human)
- R01HL-16853-01 The contractile apparatus in cardiac hypertrophy (rabbits)
- ** R01HL-16858-01 Mechanical characteristics of the hypertensive heart (rats)
- PHYSICAL PROPERTIES, MECHANICAL VIBRATIONS**
SEE ALSO PHYSICAL PROPERTIES, SOUND
- PO1HL-07762-12 0003 Cardiovascular control by neural and chemical systems - Nervous control of the circulation (dogs)
- ** PO1NS-06459-09 0050 Communication sciences - Effects of nodules on vocal fold vibration and voice (human)
- R01OH-00470-01 Vibration characteristics of the hand and arm
- ** R01OH-00479-01 Effects of vibration on human comfort and performance
- PHYSICAL PROPERTIES, PARTICLES**
- R01AM-01825-16 Mechanism of collagen formation (human, mammals, chickens, marine organisms)
- R01AM-13023-06 A physical approach to stone formation
- R01AM-15279-03 Urinary particle scanning in urinary tract disease (dogs, human)
- R01AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, dogs, human)
- R01CA-15784-01 Human macrophages and other cells in carcinogenesis (human)
- NO1CB-33855-04 Study of intrabronchial deposition on inhaled radiopaque particles
- ** NO1CP-33296-02 Particulate materials for respiratory carcinogenesis
- R01DE-03187-04 Transport in enamel and solubility of fluoride/apatites (human)
- PO1ES-00002-12 0004 Occupational and environmental health - Fire fighters
- PO1ES-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)
- PO1ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)
- ** PO1ES-00260-12 0010 Research in the environmental health sciences - Respiratory tract particle deposition and bronchial clearance (human, donkeys)
- ** PO1ES-00260-12 0016 Research in the environmental health sciences - Airborne and settled dust and human tissue burden in New York City
- ** R01ES-00583-04 Response of alveolar macrophages to inhaled particles (rabbits, guinea pigs)
- ** R01ES-00797-01 Inorganic particles in cigarettes and cigarette smoke
- R01ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
- ** R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)

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(cont)

- ** P10ES-00928-01 0008 Environmental agents-Relation to human health effects - Inorganic microparticles and colon cancer (human)
- ** P10ES-00928-01 0028 Environmental agents-Relation to human health effects - Microparticle lung burden in emphysema and bronchitis (human)
- ** P10ES-00928-01 0029 Environmental agents-Relation to human health effects - Inorganic microparticles in lungs of smokers and non-smokers
- ** P10ES-00928-01 0030 Environmental agents-Relation to human health effects - Source of ultramicroscopic inorganic particles in ambient air pollution
- R01ES-01108-01 Effects of SO₂ and respirable particulates on health
- R01GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
- R01GM-18233-04 Membrane structure, function and biogenesis (bacteria, bacteriophage)
- R01HD-04839-05 0005 Metabolism of drug substrates by human placenta - Biochemical analyses of human placental particulate fractions
- R01HL-09415-10 Rheology and phase transitions in medel dispersions
- ** R01HL-13414-04 Behavior of aerosol particles in internal flows
- P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
- ** R01HL-14667-02 Smoke inhalation injury-Etiology and protection (rats)
- R01NS-10268-03 Chemistry and physiology of inner ear fluids (human, cats, dogs)
- R01OH-00334-05 Air pollution and lung clearance of particles

PHYSICAL PROPERTIES, PARTICLES, DUST

SEE ALSO HYPERSENSITIVITY, ALLERGENS AIRBORNE

- P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ** P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
- ** P10ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
- P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
- P10ES-00260-12 0016 Research in the environmental health sciences - Airborne and settled dust and human tissue burden in New York City
- R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
- P10ES-00928-01 0001 Environmental agents-Relation to human health effects - Silicate dusts and concurrent smoking
- ** P10ES-00928-01 0002 Environmental agents-Relation to human health effects - Organic dusts among furriers and concurrent smoking
- P10ES-00928-01 0003 Environmental agents-Relation to human health effects - Silica exposure with alkalies and acids-Abrasive soap pneumoconiosis (human)
- P10ES-00928-01 0012 Environmental agents-Relation to human health effects - Low-level, intermittent occupational exposure to talc dust
- P10ES-00928-01 0013 Environmental agents-Relation to human health effects - Secular changes in lung dust burden, 1912-72 (human)
- P10ES-00928-01 0031 Environmental agents-Relation to human health effects - Inorganic microparticles in brain tissue (human)
- P10ES-00928-01 0036 Environmental agents-Relation to human health effects - Inorganic microparticle content of human tissues
- R01HL-12650-06 Environmental pathobiology of the lung (rodents)
- P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
- P17HL-14201-04 0012 Pulmonary disease research center - Hyper-irritability of the airways in patients with asthma (also dogs)
- P17HL-15063-03 0002 SCOR diffuse infiltrative lung disease - Asbestosis (human)
- P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
- P17HL-15092-03 0002 Occupational environmental pulmonary disease center - Accelerated silicosis in sandblasters
- P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
- P17HL-15389-03 0005 Wisconsin Pulmonary Disease Research Center - Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents)
- R01HL-17691-01 Modification of lung immune responses (guinea pigs)
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- R01OH-00337-05 Mechanisms of cadmium toxicity (rats)

- R01OH-00342-04 Effects of environmental pollutants in rodents (rats)
- ** R01OH-00355-03 Interaction of coal dust with essential metals (rats)
- ** R01OH-00356-03 Cellular response to coal mine dust in vitro (human)
- ** R01OH-00357-03 Fate of inhaled coal dust (rabbits, rats)
- ** R01OH-00360-04 Immune injury in occupational respiratory diseases (rabbits, mice)
- R01OH-00387-03 Accelerated silicosis in sandblasters (human)
- R01OH-00460-01 Byssinosis and small airways disease

PHYSICAL PROPERTIES, PRECIPITATION

- R01AM-17717-01 Epitaxial relationships in wrothitis

PHYSICAL PROPERTIES, SEDIMENTATION

SEE ALSO PHYSICAL SEPARATION, CENTRIFUGATION*

- R01AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
- ** P01CA-06927-12 0014 Biological and biochemical program in cancer research - Basic mechanisms of protein synthesis (rats, bacteria)
- P01CA-08748-09 5708 Research program of Sloan-Kettering Institute - Unfolding of ribosomal subunits
- P01GM-10403-12 0009 Biophysical studies on viral structure and function - FD bacteriophage
- R01GM-13914-09 0003 Macromolecules of circulatory and genetic importance - Isolation of the bacterial genome (microorganisms)
- P01GM-15003-13 0017 The biological functions of metals - Biomacromolecular directed transport in structure studies
- P17HL-14228-04 0005 Specialized center of research in thrombosis - Mechanical properties and formation of fibrin networks (human)

PHYSICAL PROPERTIES, SEDIMENTATION

CONSTANTS

- R01CA-04798-16 Determination of specific antigens for tumor tissues (human, rabbits)
- ** R01CA-05671-14 0006 Glucocorticoid receptors in normal and malignant tissue - Sedimentation coefficients of tritium -TA-binding macromolecules (rats)
- R01CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
- R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
- ** R01GM-11180-11 Physical chemistry of deoxyribonucleic acid (drosophila, mice)
- R01GM-12307-10 Specific counterion binding by polyelectrolytes
- R01GM-17436-04 Physical studies of altered ribosomal subunits (E coli)
- R01GM-17855-05 Inelastic light scattering of viruses and cells (E coli, bacteriophage)
- R01GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
- R01GM-21380-01 Molecular basis for protein-nucleic acid interactions (bacteria)
- R01HL-12958-08 Dissociation of normal and abnormal hemoglobins (human, deer)
- R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)

PHYSICAL PROPERTIES, SEDIMENTATION

EQUILIBRIUM

- SEE ALSO PHYSICAL SEPARATION, ULTRACENTRIFUGATION*
- ** R01GM-15715-06 Associating systems and enzyme control
- R01GM-17436-04 Physical studies of altered ribosomal subunits (E coli)
- R01HL-13164-04 Interaction of the alpha and beta chains of human hemoglobin

PHYSICAL PROPERTIES, SOLID STATE

SEE ALSO PHYSICAL PROPERTIES, CRYSTALS,

CRYSTALLIZATION

- SEE ALSO TEMPERATURE, FREEZING
- SEE ALSO WATER, ICE
- R01AM-09221-10 Physico-chemical studies of enzymic hydration (human, cattle, plants)
- R01AM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)
- R01AM-11919-06 Connective tissue and its components (cattle, human)
- R01AM-13587-04 Structure activity of human thyrocalcitonin
- R01CA-10906-07 Molecular structures of steroids
- R01CA-15802-01 Crystalline complexes of RNA with small molecules (yeast)
- R01ES-00376-11 Laser radiation in photochemistry and photobiology
- R01ES-00929-01 Structural studies of physiologically active agents
- R01GM-10828-20 Structure of biologically important compounds
- ** R01GM-10865-15 Basic photoelectric studies in organic solid state
- R01GM-10867-13 Crystal structures of some metal-peptide complexes
- ** R01GM-12006-11 Proteins in solutions interfaces and solids

- ** R01GM-12582-10 Photoprocesses in the organic solid state
- ** R01GM-13556-10 Problems in theoretical chemistry and polymers
- R01GM-14569-08 Biological trace analysis by hollow cathode emission
- ** R01GM-16552-06 High-resolution NMR in solids (E coli)
- ** R01GM-19018-10 Nuclear resonance studies of molecular systems
- R01GM-19364-03 Spin-label investigation of enzyme conformation
- ** R01GM-20032-03 Selected solid state spectral studies
- R01GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
- P01GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
- P01GM-21056-01 0006 Interfacial behavior of biomaterials - Urothiasis and urological devices (human, models)
- R01GM-21128-01 Biomembrane transitions-Density measurements
- ** R01GM-21174-01 Solid state reactions in medicinal chemistry
- R01NS-08116-07 Excitations in condensed molecular aggregates
- ** P07RR-00273-09 0021 Mass spectrometric facility for biomedical research - Solid state conformation of methyl abscisate

PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS

SEE ALSO HYDROCARBON GLASS

SEE ALSO MOLECULAR CONDENSATIONS, RESINS

SEE ALSO PHYSICAL PROPERTIES, SOLUTIONS, SOLID

SEE ALSO SILICATES, GLASS

- P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization

PHYSICAL PROPERTIES, SOLUBILITY

- P01AM-05996-13 0021 Biochemistry of connective tissues - Solubilization and fractionation of chondroitin sulfate enzymes
- R01AM-06231-12 Relaxation-rate study of biochemical equilibria (human)
- R01AM-11453-07 Physical chemistry of biologically active lipids (monkeys, baboons, human)
- R01AM-13023-06 A physical approach to stone formation
- R01AM-13921-14 0003 Structure and organization of collagen fibers - Comparative chemistry of soluble and insoluble collagens
- R01AM-14982-04 Studies in molecular hematology (animals)
- R01AM-16127-04 Pathologic synthesis of collagen (human, rats)
- ** R01AM-16694-01 Mechanisms of cholesterol gallstone dissolution rates (human)
- R01AM-17562-01 Biliary cholesterol solubility phenomena and nucleation
- R01AM-18084-01 Thermodynamic studies of bile acid micellar solutions
- P02CA-15145-01 0029 Cancer center support grant - Immunologic approach to trophoblastic disease (human)
- R01CA-15318-01 Neutrophil-specific antigen (human)
- ** R01DE-02659-08 0001 Solubility and diffusion of calcium phosphates - Enamel and bone solubility (human)
- P01DE-02953-06 0015 Developmental biology of calcified tissues - Point-defect structure and properties of apatite
- P01DE-02953-06 0017 Developmental biology of calcified tissues - Crystalline structure of dental enamel
- R01DE-03460-02 Electrochemistry of apatites in relevant chemicals
- P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
- ** R01GM-14710-07 Gas solubilities in selected solvents and solutions
- P01GM-15904-07 0005 Anesthesiology center for research and teaching - Solubility of anesthetics in body fluids
- R01GM-19507-03 Application of immobilized enzymes in protein chemistry
- N01HB-22954-03 Sickle cell disease (human)
- R01HD-05624-04 Genetics and pathogenesis of the chondrodystrophies (human, mice, rabbits, dogs)
- R01HL-13893-03 Marine physiology-The osmotic effect of gases on water
- P17HL-15061-03 0004 Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
- ** R01NS-11600-01 Membrane concentrations of drugs and toxic compounds

PHYSICAL PROPERTIES, SOLUBILITY, LIPID

- M P01AM-14881-04 Metabolism and function of fat-soluble vitamins
- R01AM-17281-01 Bile salts as atypical surfactants and solubilizers
- P01ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent

PHYSICAL PROPERTIES, SOLUBILITY, WATER

SEE ALSO PHYSICAL PROPERTIES, SOLUTIONS, AQUEOUS (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- POIES-00054-10 0013 Environmental impact of chlorinated hydrocarbons - Polychlorinated biphenyls in an aquatic environment (fish, lobsters, crayfish)
- ** ROIES-00880-02 Taste of water—Effects of solutes and adaptation (human, rats)
- PO1GM-16593-06 0003 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development I (dogs, rabbits, rats)
- PO1GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
- RO1GM-19980-01 Water structure in systems of biological importance
- RO1HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)
- MO1RR-00053-13 0018 Clinical research center - Water soluble metabolites of cortisol (human)
- PO6RR-00640-03 0001 Nutritionally defined gnotobiotic development and use - Chemically defined water-soluble diet for reproducing germ free mice

PHYSICAL PROPERTIES, SOLUTES

- RO1AM-09743-09 Kinetics of peritoneal dialysis (dogs)
- ** RO1AM-13484-05 Solute water transport across membranes (frogs)
- RO1AM-16024-03 Mechanisms of active and passive solute transport (frogs)
- RO1AM-16845-01 Transient analysis of counter current multipliers
- RO1CA-06734-12 Mechanisms of solute transport in animal cells (rats)
- RO1GM-11422-11 0001 Cell water, ions and control mechanisms - Cell water and its properties (frogs, birds)
- ** RO1GM-19980-01 Water structure in systems of biological importance
- ** RO1GM-19991-02 Aqueous solvent isotope effects—Permanent gas solutes
- MO1RR-00075-11 0065 General clinical research center for children - Relation renal bicarbonate threshold to other solutes in renal tubular acidosis
- MO1RR-00287-08 0011 General clinical research center - Small molecular weight solute transport during peritoneal dialysis (human)
- MO1RR-00287-08 0059 General clinical research center - Protein binding in uremia (human)
- ** MO1RR-00628-04 0071 General clinical research center for children - A patient with renal acidosis 2 degrees to high solute load

PHYSICAL PROPERTIES, SOLUTIONS

- SEE ALSO IONS, ELECTROLYTES
SEE ALSO SALINE SOLUTIONS
- RO1AM-07300-12 Peptides and proteins
- RO1AM-10794-08 Synthesis of oligopeptides and cyclic peptides
- ** RO1AM-17719-01 Calcium oxalate supersaturation and crystallization
- RO1CA-10906-07 Molecular structures of steroids
- RO1GM-12006-11 Proteins in solutions interfaces and solids
- RO1GM-13556-10 Problems in theoretical chemistry and polymers
- RO1GM-17855-05 Inelastic light scattering of viruses and cells (E coli, bacteriophage)
- RO1GM-18466-04 Solvent accessibility in proteins (bacteria, mammals)
- RO1GM-19988-14 0001 Physical studies of nucleic acids and proteins - Kinetic studies of intermediates in protein folding
- ** RO1HL-08068-12 Hypotension from polymers and hypertonic solutions (dogs)
- PI7HL-14209-04 0005 The MIT arteriosclerosis center - Solute transport and wall shear
- RO1HL-15593-02 0002 Prolonged extracorporeal cardiopulmonary support - Laboratory study of prolonged extracorporeal circulation (sheep)

PHYSICAL PROPERTIES, SOLUTIONS, AQUEOUS

- SEE ALSO PHYSICAL PROPERTIES, SOLUBILITY, WATER
- ** RO1AM-05853-13 Conformational basis of enzymic catalysis
- RO1AM-13023-06 A physical approach to stone formation
- RO1AM-13351-07 NMR studies of enzyme-metal-substrate interactions
- RO1CA-11761-05 Hydrodynamics of circular DNA forms (viruses)
- ** RO1DE-03817-01 Spin label study of tooth enamel
- PO1ES-00735-01 0008 Public health hazards and environmental fate of parathion - Decontamination of parathion spills and wastes (biophysical and microbial agents)
- ** RO1ES-00894-01 Aqueous solution studies of arsenates and vanadates
- RO1GM-05811-15 Hydrolytic enzyme models
- RO1GM-10906-13 Statistical mechanics of biological macromolecules
- RO1GM-11762-10 Effects of salts on interactions in aqueous media
- RO1GM-14312-20 Internal bonding in proteins
- RO1GM-14628-09 Phospholipid bilayer membranes (bacteria, mammals non-human)

- RO1GM-14710-07 Gas solubilities in selected solvents and solutions
- RO1GM-14971-08 Bimolecular (b-layer) lipid membranes in aqueous media
- RO1GM-16922-06 Cholesteric biopolymer liquid crystals
- ** RO1GM-18719-03 Solvent and small solutes in tissues and proteins
- RO1GM-19267-03 Hydration of macromolecules (bacteria, viruses)
- RO1GM-19313-03 High resolution NMR study of the structure of t-RNA
- ** RO1GM-19991-02 Aqueous solvent isotope effects—Permanent gas solutes
- RO1GM-20637-03 Thermodynamic studies of transfer ribonucleic acids
- RO1HL-12760-05 Surface studies of membrane lipids
- RO1HL-13111-03 Primary process of modified heme-oxygen interactions
- RO1HL-13760-11 Viscoelasticity studies of blood coagulation (cattle, human)
- ** RO1HL-13893-03 Marine physiology—The osmotic effect of gases on water
- RO1HL-15155-02 Rheology of pulmonary secretions
- PO1HL-15194-02 0016 Pathophysiology of cardiopulmonary dysfunction - Kinetics of the reactions of indocyanine green

PHYSICAL PROPERTIES, SOLUTIONS, SOLID

- SEE ALSO PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS
- RO1CA-14434-02 Molecular basis for radiation sensitization
- RO1GM-10865-15 Basic photoelectric studies in organic solid state
- RO1NS-08116-07 Excitations in condensed molecular aggregates

PHYSICAL PROPERTIES, SOLUTIONS**ASSOCIATION**

- SEE ALSO CHEMICAL AGGREGATES, MICELLE FORMATION
- RO1GM-07654-14 Macromolecular aspects of RNA structure and function (yeasts, E coli)
- ** RO1GM-11180-11 Physical chemistry of deoxyribonucleic acid (drosophila, mice)
- ** RO1GM-20284-02 Theory of polar liquids and solutions
- RO1HL-08893-10 Interactions between biological macromolecules (human, rats)
- ** PO1HL-16833-01 0002 Hemoglobin and red cell system in hemoglobinopathies - Polymerization and gel formation in solutions of hemoglobin A and S

PHYSICAL PROPERTIES, SOLVENTS

- RO1AM-15461-08 Physical and chemical nature of the cutaneous barrier (human)
- PO1AM-17110-07 0010 Program project in biomaterials calcified tissue - Solvent and conformation
- RO1AM-17497-01 NMR relaxation in polypeptide liquid crystal
- RO1DA-00890-01 Hepatotoxic potential of solvent and amphetamine abuse
- R25DA-00969-01 Indian drug abuse research
- RO1ES-00109-09 Interactions of pesticides, drugs and other chemicals (mice, rats, quail)
- ** NO1ES-42164-00 Exposure to airborne environmental agents (rats, rabbits, hamsters)
- RO1GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
- RO1GM-11373-11 Phosphorimetric analysis of drugs in blood and urine (human)
- RO1GM-12832-09 Proton transfer reactions
- ** RO1GM-14710-07 Gas solubilities in selected solvents and solutions
- ** RO1GM-15792-08 0002 Structure and relations of proteins and nucleic acids - Effects of solvent perturbants on the stability of macromolecular conformation
- RO1GM-15847-06 High speed liquid gas chromatography
- RO1GM-18466-04 Solvent accessibility in proteins (bacteria, mammals)
- RO1GM-18807-02 Restoration of function of damaged cells and enzymes (insects, mammals)
- RO1GM-20064-02 Properties of alpha-helix-forming substances
- ** RO1GM-20969-02 Conformation of single-stranded DNA in solution
- RO1GM-21127-01 Serum glycoproteins as cryoprotective agents (antarctic fish)
- RO1OH-00410-05 Environmental injury and repair of epidermis
- PO7RR-00636-02 0018 Special resource for NMR studies in biomolecules - Factors affecting ion transport

PHYSICAL PROPERTIES, SOLVENTS, NONAQUEOUS

- SEE ALSO PHYSICAL PROPERTIES, SOLUBILITY, LIPID
- RO1AI-09049-06 Physical chemistry of viruses and their components
- RO1GM-12596-08 Solvent effects in coordination kinetics—Methanol
- RO1GM-14603-08 Structure and interactions of proteins in solution
- RO1GM-15847-06 High speed liquid gas chromatography

- RO1HL-13111-03 Primary process of modified heme-oxygen interactions
- RO1NS-10528-12 Anodic oxidation of biological amines
- PHYSICAL PROPERTIES, SOUND**
- SEE ALSO BRAIN DISORDERS, EPILEPSY, AUDIOGENIC SEIZURES
- SEE ALSO EAR, HEARING, AUDIOSTIMULUS
- SEE ALSO HEART FUNCTION, HEART SOUNDS
- RO1AM-16514-02 Longitudinal study of skeletal status in women
- PO1GM-21056-01 0012 Interfacial behavior of biomaterials - Middle ear prostheses (monkeys, human)
- ** RO1HL-16563-01 Quantitative phonocardiography in lung disease (human, animals)
- RO1NS-05143-10 Neural encoding of patterned acoustic stimuli (birds, monkeys)
- PO1NS-06459-09 0079 Communication sciences - Laryngeal pathology—Perceived voice, acoustic correlates, vocal fold vibration
- RO1NS-10336-03 Components controlling behavior (coleopterates, insects)
- PO1NS-11647-01 0011 Peripheral and central auditory mechanisms - Speech processing—Experiments in monotic and dichotic listening (human)

PHYSICAL PROPERTIES, SOUND, ECHO

- LOCATION**
- ** RO1AI-00947-18 Neurophysiology and behavior (cockroaches, meths, shrimp)
- PO1GM-16436-06 0040 Bioengineering program project - Oviposition detection (rabbits)
- ** PO1NS-03798-12 0002 The nature of hearing - Echolocation and behavior in bats
- RO1NS-06232-09 Formation and function of synapses (animals)
- RO1NS-06728-06 Physiological relations between cerebellar elements (animals)
- RO1NS-09694-03 Studies of communication (dolphin)
- ** RO1NS-10616-02 Sound localization (human)
- ** RO1NS-11154-01 Role of spectral cues in sound localization

PHYSICAL PROPERTIES, SOUND, LOUDNESS

- SEE ALSO EAR DISORDERS, HEARING DISORDERS, SOUND TRAUMA DEAFNESS
- PO1HD-05027-05 0016 Developmental psychology - Development of complex perceptual motor systems
- PO1HD-06276-03 0033 Mental retardation research program - Lateralization and loudness summation (children)
- PO1NS-05785-09 0007 Causes of deafness - Effect of drugs on the perception of loudness (primates)
- RO1NS-06730-08 Stimulus-related DC potentials of the cochlea (guinea pigs)
- ** RO1NS-07270-06 Loudness summation over space, time, and frequency (human)
- P15NS-07790-07 Auditory dysfunction of the cochlea (human)
- ** RO1NS-09713-02 Loudness, discrimination and amplification relationships (human)
- ** RO1NS-10482-03 Studies of the auditory system (human, cats)
- RO1NS-10561-01 Auditory imperception of complex acoustic signals (human)
- ** RO1NS-11153-01 Intensity perception (human)
- RO1NS-11157-01 Interaction of interaural time (phase) and intensity (human)
- RO1NS-11565-01 Disuse supersensitivity of the auditory system (human, mice)
- RO1NS-11664-01 Mechanical frequency resolution in the cochlea (guinea pig)
- RO1NS-11812-01 Role of cortico-thalamic system in binaural hearing (cats)

PHYSICAL PROPERTIES, SOUND, NOISE

- RO1ES-00969-01 Combined impulse continuous noise—Auditory effect (chinchillas)
- ** NO1ES-22110-06 Noise and ototoxic drugs on hearing loss (guinea pigs)
- ** RO3MH-25472-01 Internal noise and auditory function (human)
- RO1NS-01791-16 Response of inner ear to injury (chinchillas, guinea pigs)
- PO1NS-03856-12 0002 Auditory communication and its disorders - Electrophysiology and anatomy (chinchillas)
- ** PO1NS-03856-12 0003 Auditory communication and its disorders - Sensory behavior (human, chinchillas)
- ** PO1NS-03856-12 0004 Auditory communication and its disorders - Effects of sound exposure on the ear and hearing (human, chinchillas)
- RO1NS-05065-10 Microscopic studies of the inner ear (human, animals)
- ** RO1NS-05077-11 Latency-intensity functions in the auditory system (monkeys)
- ** PO1NS-05785-09 0003 Causes of deafness - Microscopic and experimental pathology (human, dogs)
- ** PO1NS-05785-09 0011 Causes of deafness - Environmental agents causing temporary and permanent hearing loss (monkeys)

(cont'd)

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- PO1NS-06225-09 0005 Cerebral localization - Single unit studies in the auditory system (cats, primates, birds)
- RO1NS-06575-08 Metabolic processes of the inner ear (chinchillas, guinea pigs)
- PO1NS-07468-07 Sensory biology research center
- RO1NS-09442-04 Perceptual masking in normal and impaired hearers (human)
- PO1NS-09704-04 0019 Developmental neurology - Sensory interaction (human)
- RO1NS-09713-02 Loudness, discrimination and amplification relationships (human)
- RO1NS-09874-02 Steady-state and transient masking with sinusoids (human)
- ** PO1NS-09889-04 0008 Investigation of agents which damage the ear - Parametric evaluation of effects of broad-band noise (guinea pig)
- ** PO1NS-09889-04 0009 Investigation of agents which damage the ear - Interaction between noise exposure and kanamycin (guinea pig)
- RO1NS-09940-03 Responses to suprathreshold vibratory stimulation (human)
- RO1NS-10616-02 Sound localization (human)
- RO1NS-10843-01 Detection and recognition in audition and vision
- RO1NS-11153-01 Intensity perception (human)
- RO1NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
- RO1NS-11764-02 Fluctuation phenomena and ion movements in membranes (squid)
- RO1NS-12035-01 Binaural speech reception
- RO1OH-00350-04 Damage-risk contours for intermittent noise exposures (human)
- ** RO1OH-00364-03 Effects of impulse noise on the auditory system (chinchillas)
- ** RO1OH-00417-01 Noise control research on wood planers
- ** RO1OH-00442-01 Coordinated textile industry noise reduction program
- RO1OH-00456-01 Better foundry hygiene through permanent mold casting
- ** RO1OH-00494-01 Punch press noise reduction demonstration

PHYSICAL PROPERTIES, SOUND, NOISE BIOLOGICAL EFFECT

SEE ALSO BRAIN DISORDERS, EPILEPSY, AUDIOGENIC SEIZURES

SEE ALSO EAR, HEARING

SEE ALSO EAR DISORDERS, HEARING DISORDERS, SOUND TRAUMA DEAFNESS

SEE ALSO PHYSICAL PROPERTIES, SOUND, ULTRASOUND ADVERSE EFFECTS

- PO1NS-11647-01 0003 Peripheral and central auditory mechanisms - Effects of sound deprivation on the maturation of the auditory system (mice)
- PO1NS-11647-01 0005 Peripheral and central auditory mechanisms - Pharmacological and surgical intervention in the cochlea (cats, guinea pigs)

PHYSICAL PROPERTIES, SOUND, ULTRASONICS

- RO1AM-08432-09 Mechanism of induced renal disease (mammals)
- RO1AM-09136-15 Studies in cryobiology (rabbits, turtles)
- ** PO2CA-12197-03 0001 Multidisciplinary oncology research center - Ultrasonic effects upon normal and neoplastic tissue (mammals nonhuman)
- ** PO2CA-12197-03 0021 Multidisciplinary oncology research center - Drug research laboratories objectives and requirements
- ** PO2CA-12197-03 0024 Multidisciplinary oncology research center - Effects of oxygen tension and ultrasound on oxidative metabolism (rats)
- R10CA-12271-04 Central oncology group
- ** R10CA-12272-04 Central oncology group
- ** R10CA-12275-04 Central oncology group
- ** R10CA-12277-04 Central oncology group
- ** R10CA-12283-04 Central oncology group
- ** R10CA-12284-04 Central oncology group
- ** R10CA-12285-04 The central oncology group
- ** R10CA-12286-04 Central oncology group
- ** R10CA-12287-04 Central oncology group
- ** R10CA-12288-04 Central oncology group
- ** R10CA-12294-04 Central oncology group
- ** R10CA-12295-04 Central oncology group
- ** PO2CA-13148-03 0004 Pilot cancer center - Application of ultrasound to gynecological tumors (human)
- PO1CA-14089-01 0050 Pilot multidisciplinary cancer research program - Clinical investigation of selected tumor systems
- ** PO2CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
- ** RO1DE-02152-09 0020 Dental physiology and biophysics - Dental aspects of speech
- RO1EY-00224-13 Study of eye physiology and disease by ultrasound (human, rabbits)
- ** RO1EY-00275-08 Ultrasonic measurement of optical dimensions (human, monkeys, cats)
- RO1EY-00284-09 Growth environmental refractive changes (human, primates)
- RO1EY-01324-01 Congenital glaucoma pathogenesis, diagnosis, therapy (human, primates)
- RO1FD-00639-06 Thermoluminescent dosimeter crystals

- ** RO1FD-00659-02 A clinical evaluation of ultrasonic holography
- ** RO1FD-00664-01 Ultrasonic radiation determination by optical methods
- ** RO1FD-00665-02 Ultrasonic toxicity study
- ** RO1FD-00667-01 Ultrasonic energy density in biological structures
- ** RO1FD-00675-01 Ultrasonic radiation of nucleic acid and components
- ** RO1FD-00694-01 Chromosome damage-repair-Radiation and sonication (plants)
- ** RO1GM-08209-11 Biophysical basis for thresholds in bio-ultrasound
- ** RO1GM-09933-12 Ultrasonics and dielectrics of biomaterial (plants, cattle, chickens, bacteria)
- ** RO1GM-12281-10 Ultrasonic absorption by biological materials (frogs, mice)
- ** PO1GM-16436-06 0029 Bioengineering program project - Acoustic scattering in blood (human, dogs)
- ** PO1GM-16436-06 0031 Bioengineering program project - Optical and ultrasonic propagation analysis in tissue
- ** PO1GM-16436-06 0039 Bioengineering program project - Biomechanics laboratory-Pulsed ultrasonic Doppler flowmeter utilization
- PO1GM-16436-06 0040 Bioengineering program project - Ovulation detection (rabbits)
- PO1GM-16436-06 0044 Bioengineering program project - Pulsed ultrasonic flow meter
- PO1GM-16436-06 0045 Bioengineering program project - Optical laser doppler velocimeter
- PO1GM-16436-06 0047 Bioengineering program project - Aerosol motion in an airway
- PO1GM-16436-06 0050 Bioengineering program project - Changes of waves in circular tubes
- ** PO1GM-17940-04 0001 Integrated electronics for medical applications - Large scale integration
- ** RO1GM-19706-01 Effects of ultrasound on cell growth and division
- ** RO1GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
- ** RO1GM-21063-01 Interaction of sound with proteins
- ** NO1HD-32791-05 Detection of evolution in chronically instrumented animals (rabbits, primates)
- RO1HL-01253-22 Electrical and acoustic properties of biological materials
- ** PO1HL-08886-11 0037 Radiology-physiology cardiovascular research - Contrast agents for diagnostic ultrasound
- ** PO1HL-08886-11 0044 Radiology-physiology cardiovascular research - Safety of ophthalmologically applied ultrasound (rabbits)
- ** RO1HL-12875-05 Ultrasonic visualization of arteries (human)
- ** PO1HL-13517-04 0010 Circulatory performance and prediction - Ultrasonic devices indicating cardiac performance (human, dogs, primates)
- PO1HL-13517-04 0011 Circulatory performance and prediction - Evaluation of diagnostic techniques in arterial occlusive disease (human, dogs)
- ** PO1HL-13738-03 0008 Cardiac assist devices and artificial hearts - Pulse-echo ultrasound (sheep)
- P17HL-14177-04 0008 Center for prevention and treatment of atherosclerosis - Role of hemodynamics in atherosclerosis (rabbits, sheep, human)
- RO1HL-14740-03 Computer based on-line measurement for intensive care (human, mammals, nonhuman)
- RO1HL-15484-02 0010 Aneurysms, arteriovenous fistulas and atherosclerosis - Ear chamber experiments (rabbits)
- ** RO1HL-15484-02 0011 Aneurysms, arteriovenous fistulas and atherosclerosis - Changes in rabbit ear chambers from ultrasound
- ** RO1HL-16555-01 Engineering development of an ultrasonic ventilometer
- ** NO1HV-22017-08 Ultrasonic techniques to quantify the size of scarred myocardium
- ** PO7RR-00007-11 0287 Computer processing in biomedical systems - Computer controlled video digitization and video graphics
- ** PO7RR-00007-11 0314 Computer processing in biomedical systems - Ultrasonic properties of biological material
- ** PO7RR-00007-11 0336 Computer processing in biomedical systems - Analog-to-digital conversion of ultrasonic signals
- PO7RR-00007-11 0343 Computer processing in biomedical systems - Computer technology of physiology systems
- ** PO7RR-00007-11 0347 Computer processing in biomedical systems - Computer analysis of roentgenographic and ultrasound images
- MO1RR-00210-10 0007 General clinical research center-Maternal-child - Tracking of fetal movement during labor (human)

PHYSICAL PROPERTIES, SOUND, ULTRASONOGRAPHY

SEE ALSO BRAIN VISUALIZATION, ULTRASONIC ECHOENCEPHALOGRAPHY*

SEE ALSO CARDIOVASCULAR METHODS DIAGNOSTIC, BLOOD FLOWMETERS, ULTRASONIC*

SEE ALSO CARDIOVASCULAR VISUALIZATION, ANGIOCARDIOULTRASONOGRAPHY*

SEE ALSO CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, ULTRASONIC*

SEE ALSO EYE EXAMINATIONS, ULTRASONIC ECHOCULOCOGRAPHY*

SEE ALSO OPTICS, MICROSCOPY, ULTRASONIC*

- PO2CA-06516-12 0005 Cancer center support grant-Comprehensive - Evaluation of diagnostic techniques (human)
- R10CA-12273-04 Central oncology group
- R10CA-12289-04 Central oncology group
- ** PO2CA-13148-03 0056 Pilot cancer center - Ultrasound in computerized radiation therapy treatment planning
- PO2CA-13696-02 0044 Clinical cancer research center - Evaluation of cancer diagnosis by an ultrasonic imaging system (human)
- ** NO1CB-23872-05 Ultrasound mammography
- NO1CB-43976-00 Early detection of pancreatic cancer (human)
- ** RO1GM-16474-06 Acoustic-optical interaction for image reconstruction
- ** RO1GM-18780-03 Ultrasonic camera for soft tissue
- ** RO1GM-20226-01 Magnetosonic image converter
- ** RO1GM-20514-02 Sonic techniques for biological cell dispersal
- RO1GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
- ** RO1GM-20774-01 Ultrasonic camera for soft tissue imaging-Part B (human)
- ** RO1HD-06735-02 Ultrasonic monitoring of the progress of labor
- ** PO1HL-07293-13 0017 Cardiovascular instrumentation research and development - Ultrasonic phase track for arterial wall motion detection (human)
- ** PO1HL-07293-13 0018 Cardiovascular instrumentation research and development - Arterial wall motion detection by phase lock technique (dogs, human)
- ** PO1HL-07293-13 0019 Cardiovascular instrumentation research and development - Arterial pulse wave transmission
- ** PO1HL-07293-13 0020 Cardiovascular instrumentation research and development - Phase shift phase track displacement sensor evaluation (models, dogs, human)
- ** PO1HL-07293-13 0021 Cardiovascular instrumentation research and development - Development of hydraulically actuated ultrasonic transducer positioners
- ** PO1HL-07293-13 0022 Cardiovascular instrumentation research and development - Blood vessel imaging
- ** PO1HL-07293-13 0023 Cardiovascular instrumentation research and development - Pulsed Doppler, pulsed phased track
- ** PO1HL-07293-13 0024 Cardiovascular instrumentation research and development - Recording heart dimensions (human)
- ** PO1HL-07293-13 0025 Cardiovascular instrumentation research and development - Ultrasonic scanning for display of subcutaneous arteries (human)
- ** PO1HL-07293-13 0026 Cardiovascular instrumentation research and development - Vessel scan moving target indication (models, dogs)
- ** PO1HL-07293-13 0027 Cardiovascular instrumentation research and development - Geometry, echo coherence indication (models)
- ** PO1HL-07293-13 0028 Cardiovascular instrumentation research and development - Synthetic aperture techniques (models)
- ** PO1HL-07293-13 0029 Cardiovascular instrumentation research and development - Color display of ultrasonic data
- PO1HL-07293-13 0030 Cardiovascular instrumentation research and development - Quasi-3-D display of ultrasonic data
- ** PO1HL-07293-13 0033 Cardiovascular instrumentation research and development - Optical Doppler flowmeters
- P18HL-15997-02 0015 A comprehensive hospital-community sickle cell center - Intrauterine growth and assessment in hemoglobinopathies (human)
- ** PO1NS-03354-13 0008 Neurosensory center - Ultrasonography in ophthalmic diagnosis
- RO1NS-12045-01 Pitch perception as auditory pattern recognition
- ** NO1MS-42304-00 Test of ultrasound techniques for cerebral disorders
- MO1RR-00047-14 0102 General clinical research center - Renal dysfunction in congenital malformation of kidney or urinary tract (human)
- MO1RR-00051-13 0080 General clinical research center - Polycystic kidney study (human)
- MO1RR-00096-14 0065 Clinical research center - Thyroid echography (human)

PHYSICAL PROPERTIES, SOUND, ULTRASOUND ADVERSE EFFECTS

- ** RO1GM-08209-11 Biophysical basis for thresholds in bio-ultrasound

PHYSICAL PROPERTIES, SOUND FREQUENCY

- PO1DE-01774-13 Research program on dynamics of speech articulation (human)
- ** RO1GM-08209-11 Biophysical basis for thresholds in bio-ultrasound
- RO1MH-00776-21 Experimental analysis of imprinting (aquatic birds)

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- RO1MH-21076-02 Courtship in periodical cicadas
PO1NS-03358-13 0024 Sensory disease clinical research center - Psychoacoustics (human)
PO1NS-03798-12 0002 The nature of hearing - Echolocation and behavior in bats
PO1NS-03798-12 0004 The nature of hearing - Hearing in insects (cicadas)
PO1NS-03856-12 0005 Auditory communication and its disorders - Psychophysics and perception (human)
RO1NS-04003-11 Acoustic specification of speech (human)
RO1NS-04403-12 Determination of susceptibility to hearing loss (chinchillas)
PO1NS-06225-09 0005 Cerebral localization - Single unit studies in the auditory system (cats, primates, birds)
** PO1NS-06459-09 0051 Communication sciences - Research on vocal registers (human)
PO1NS-06459-09 0078 Communication sciences - Intraoral air pressure recordings during speech activity
RO1NS-06730-08 Stimulus-related DC potentials of the cochlea (guinea pigs)
** RO1NS-07270-06 Loudness summation over space, time, and frequency (human)
RO1NS-07616-13 Acoustic perception and echo-orientation (bats)
P15NS-07790-07 Auditory dysfunction of the cochlea (human)
RO1NS-09252-04 Analysis of acoustic characteristics of deaf speech (human)
RO1NS-09694-03 Studies of communication (dolphin)
** RO1NS-09874-02 Steady-state and transient masking with sinusoids (human)
PO1NS-09889-04 0008 Investigation of agents which damage the ear - Parametric evaluation of effects of broad-band noise (guinea pig)
PO1NS-09889-04 0009 Investigation of agents which damage the ear - Interaction between noise exposure and kanamycin (guinea pig)
** PO1NS-09889-04 0010 Investigation of agents which damage the ear - Sound exposures on nerve activity and cochlear potential (guinea pig)
** PO1NS-09889-04 0012 Investigation of agents which damage the ear - Damaging effects of noise and pure tones (guinea pig)
** PO1NS-09889-04 0017 Investigation of agents which damage the ear - Re-evaluation of round window electrode recordings (guinea pig)
PO1NS-10468-03 0001 The perception of speech events - Studies in audition (human)
** PO1NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
RO1NS-10482-03 Studies of the auditory system (human, cats)
RO1NS-10561-01 Auditory imperception of complex acoustic signals (human)
** RO1NS-10627-01 Pitch perception as auditory pattern-recognition
RO1NS-11154-01 Role of spectral cues in sound localization
RO1NS-11157-01 Interaction of interaural time (phase) and intensity (human)
RO1NS-11620-01 Masking mechanisms (human)
RO1NS-11654-01 Central neural mechanisms of hearing (cats)
** RO1NS-11664-01 Mechanical frequency resolution in the cochlea (guinea pig)
** RO1NS-11680-01 Auditory pitch processing of complex tones (human)
RO1NS-11804-01 Intracochlear stimulation and prosthesis (human, cats)
RO1NS-11812-01 Role of cortico-thalamic system in binaural hearing (cats)
** RO1NS-12045-01 Pitch perception as auditory pattern recognition
RO1OH-00417-01 Noise control research on wood planers

PHYSICAL PROPERTIES, SOUND IMPEDANCE

- RO1GM-08522-12 Imaging systems for biological organisms
RO1GM-12281-10 Ultrasonic absorption by biological materials (frogs, mice)
PO1HD-03352-07 0020 Wisconsin center on mental retardation - Peripheral auditory system in normals and retardates
** RO1HL-01253-22 Electrical and acoustic properties of biological materials
** RO1HL-16218-01 Time delay acoustic spectroscopy in lung disease (human)
RO1NS-01310-18 Psychophysical characteristics of hearing disorders (human)
** PO1NS-03358-13 0014 Sensory disease clinical research center - Impedance studies of middle ear (human)
** RO1NS-03654-13 Mechanical properties of the ear (human, cats)
RO1NS-05873-09 Binaural hearing (human)
RO1NS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
RO1NS-11620-01 Masking mechanisms (human)
RO1NS-11790-01 Vibrational pattern of the pathologic larynx (human)
RO1NS-12035-01 Binaural speech reception
** RO1NS-42305-00 Development of a manual for impedance testing in children

PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)

- SEE ALSO CELL SURFACE ACTIVITY (GENERAL)
R22AI-07631-08 Resistance and immunity to cholera (mice)
** R22AI-08401-07 Surface chemistry of mycobacteria (mice)
** RO1AI-10666-02 Bacterial surfaces, virulence and phagocytosis
RO1AI-10669-03 Immunity to *Neisseria gonorrhoeae* (human)
RO1AI-10892-02 Leukocyte metabolism related to recurrent infection (human, animals)
RO1AI-11164-02 Biosynthesis of immunoglobulins (mice)
RO1AM-02896-14 The surface chemistry of bone mineral immunologic reactions of cell surfaces (human, rabbits)
** RO1AM-13609-06 Molecular basis of joint lubrication (cattle, human)
PO1AM-15515-03 0002 Psoriasis biology, pathogenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
RO1AM-15533-03 Function of the glycocalyx in muscle (rats)
PO1AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
RO1AM-16694-01 Mechanisms of cholesterol gallstone dissolution rates (human)
RO1CA-05493-14 Leukopoietic mechanisms (rats, salamanders, lampreys)
** PO2CA-06973-12 0021 Integrated clinical cancer research program - Cell biology-Cell surface studies with plant agglutinins (human, mice)
** RO1CA-08315-10 Steroid induced changes in cultured malignant cells
** PO1CA-08748-09 6809 Research program of Sloan-Kettering Institute - Isolating and characterizing antigenic cell surface components (mice)
** PO1CA-08748-09 6811 Research program of Sloan-Kettering Institute - Linkage relationship of genes specifying cell surface components (mice)
PO1CA-08748-09 6812 Research program of Sloan-Kettering Institute - Role of thymus in the expression of genes (mice)
RO1CA-08759-08 Structure and biologic function of glycoproteins (human)
RO1CA-10478-07 Lymphocyte proliferation in lymphocytic leukemia
RO1CA-11695-05 Photoelectron microscopy and biological surfaces
RO1CA-12306-04 Initiation of fibroblast division by glucocorticoids (3T3 fibroblasts)
RO1CA-12589-03 Cell electrophoresis for cancer diagnosis (mammals)
PO1CA-12923-02 0001 A correlated study on the biology of neoplasia - Factors that control cellular proliferation in mammalian cells (human, mice)
PO1CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
** RO1CA-13107-03 Macroregulation-A model for cancer (Neurospora)
** RO1CA-13138-03 Surface proteins of normal and transformed cells (chick embryo)
RO1CA-13220-03 Membrane biochemistry of neoplastic cells
** RO1CA-13402-03 Surface membranes in normal and cancer cells (human)
RO1CA-13513-03 Surface properties of virally transformed and revertant cells (mice)
** RO1CA-13538-03 Neuroblastoma model of benign-malignant neoplasia phases (mice)
RO1CA-13605-03 Determinants of malignant and embryonic cell behavior (chordates, ctenophores)
RO1CA-13608-03 Function of viral genes involved in transformation (rodents)
RO1CA-13844-02 Isolation of tumor antigens of human melanoma
** RO1CA-13845-02 Replication of wet cancer cell surfaces
** RO1CA-13955-02 Antigen and surface charge properties of blood cells (human)
M RO1CA-13992-02 Surface membranes of normal and cancer cells
RO1CA-13992-02 0006 Surface membranes of normal and cancer cells - Disc gel electrophoresis
RO1CA-13992-02 0007 Surface membranes of normal and cancer cells - Glycosidases (C perringsins, coffee beans)
RO1CA-13992-02 0008 Surface membranes of normal and cancer cells - Sialic acid from glycolipids (L cells)
** RO1CA-14142-12 Cell surface biochemistry of transformed animal cells (hamsters)
** PO1CA-14195-01 0007 Core grant-Regulation, the cell membrane and cancer - Membrane structure and function (tissue culture)
** PO1CA-14195-01 0010 Core grant-Regulation, the cell membrane and cancer - Regulation and function of cell surface antigens (mice)
** PO1CA-14195-01 0015 Core grant-Regulation, the cell membrane and cancer - Topography of normal, embryonic and neoplastic cell surfaces (mice, hamsters)
PO1CA-14195-01 0021 Core grant-Regulation, the cell membrane and cancer - Synthetic tumor antigens

- PO1CA-14195-01 0023 Core grant-Regulation, the cell membrane and cancer - Viral gene functions involved in transformation (tissue culture)
** PO1CA-14195-01 0024 Core grant-Regulation, the cell membrane and cancer - Cell surface proteins of polyoma virus and SV40 transformed cells (hamsters)
RO1CA-14609-02 Adhesion of normal and malignant mammalian cells (hamsters)
** PO1CA-14723-02 0006 Experimental cancer immunology - Macromolecules on cell surfaces (mice)
PO1CA-14733-02 0012 Control of gene expression, virus replication and cell growth - Muscle development (chick embryo)
** RO1CA-15114-01 Plasma membrane of normal and cancer cells
** RO1CA-15236-01 Monocyte detection of the human cancer cell surface
** RO1CA-15544-02 Effect of microtubular proteins on cell surfaces (human)
RO1CA-15583-01 New approaches to cancer chemotherapy (mice)
RO1CA-15926-01 Immune reagents for tumor research and immunotherapy (mice)
NO1CB-33855-04 Study of intrabronchial deposition on inhaled radioopaque particles
RO1DE-00433-18 Influence of fluoride on wettability and restoratives (human)
PO1DE-02111-10 0001 Synthetic and natural dental materials - Strength and structure of dental amalgam
RO1DE-03460-02 Electrochemistry of apatites in relevant chemicals
RO1DE-03480-03 Capillary phenomena related to caries sites
RO1DE-03615-02 Streptococcal surface antigens and dental caries (rabbits)
PO1ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
PO1ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
RO1EY-00173-07 Monomolecular films to study visual processes (models, cattle)
PO1EY-00208-14 Corneal physiology and pathology (rabbits, human)
RO1EY-00281-10 Wound healing in lens epithelium (frogs)
** PO1EY-00446-06 0007 External ocular disease center - Surface chemical aspects of cornea contact lenses and tears
** RO1EY-01067-02 Surface chemistry of the cornea (human, rabbits, cattle)
** RO1EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
** RO1EY-01489-01 Precorneal tear film (rabbits)
RO1GM-11777-11 Gene transformation and genetic molecular development (*Drosophila*)
PO1GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
RO1GM-14971-08 Bimolecular (bilayer) lipid membranes in aqueous media
** PO1GM-15423-07 0022 Molecular basis of control mechanisms - Photoelectric effect of biochemical and organic surfaces
** PO1GM-15423-07 0023 Molecular basis of control mechanisms - Photoelectron microscopy of organic surfaces
RO1GM-16133-07 0006 Immobilized enzymes to analyze and alter metabolism - Oxygenation by transmembrane catalysis of hydrogen peroxide (dogs)
RO1GM-16552-06 High-resolution NMR in solids (E coli)
** RO1GM-18267-04 Biosynthesis of specialized cell surfaces (rabbits)
RO1GM-19079-03 0007 One MEV scanning transmission electron microscope - Distribution of specific functional sites on the surface of mammalian cells
RO1GM-19154-03 Control of surface protein synthesis (microorganisms)
RO1GM-19806-01 Surface asymmetry and ionic transport in lipid bilayers
RO1GM-20379-02 Structure and function of heart membrane proteins
RO1GM-20396-02 Organization of normal and transformed cell membranes
RO1GM-20845-01 Radiographic visualization of liver and spleen (human, rats, dogs)
PO1GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
** PO1GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
** PO1GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
PO1GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
** PO1GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
PO1GM-21056-01 0008 Interfacial behavior of biomaterials - Artificial corneas (rabbits, monkeys)
RO1GM-21296-01 Improved detection and visualization of colon lesions
** NO1HB-32913-03 Study electrodeless glow discharge for modifying polymer surface
** NO1HB-32917-02 Materials development and testing (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- NO1HB-32954-03 Compatibility of carbon and blood
 ** NO1HB-42981-01 Studies of elastin as a biomaterial
 RO1HD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)
 RO1HD-03132-07 Biochemistry of early human and mouse development
 RO1HD-03752-05 0017 Mammalian reproduction - Immunolabeling studies of frozen-etched spermatozoa (mammals)
 RO1HD-04354-22 Mechanisms of hormone action (rats)
 RO1HD-04543-04 Pre-fertilization phenomena in hydroids
 RO1HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
 RO1HD-05297-04 Morphogenesis in embryonic and pathological systems (chick embryo, mice)
 RO1HD-05333-04 Mechanism of bilirubin toxicity (cats, cattle)
 ** PO1HD-05996-03 0002 Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
 ** RO1HD-06390-03 Role of the cell surface in cancer and embryology (human, chick embryo, mice)
 RO1HD-06415-03 Cytology of placental function (human, mammals)
 ** RO1HD-06908-02 Membrane changes in mammalian spermatozoa (rabbits)
 ** RO1HD-07082-02 Changes in cell surface properties in gastrulation (frogs)
 RO1HD-07137-01 Contact behavior of developing and transformed cells (mice, fundulus)
 RO1HL-05415-14 Hemostatic homeostasis (human, rabbits)
 RO1HL-06241-13 Structure-function relations in blood cell membranes (human, rats)
 ** PO1HL-06285-14 0213 Cardiovascular-respiratory physiology and biochemistry - Membrane structure and function-Gas vacuole membrane (Halobacterium)
 PO1HL-06374-14 0008 Expansion of research in a hematologic center - Erythropoietin inhibitor, cannula and effects carbon monoxide (animal, human)
 RO1HL-09125-10 Ultrastructural cytochemistry (human, rodents, rabbits)
 RO1HL-09997-10 Intracardiac valvular prostheses (dogs, human)
 ** PO1HL-11414-07 0004 Thrombosis and atherosclerosis program - Platelet function and nonthrombogenic surfaces (human)
 ** RO1HL-12760-05 Surface studies of membrane lipids
 ** RO1HL-12787-05 Surface properties of blood elements (human)
 RO1HL-12839-05 Degradation of blood in artificial organs (rats, dogs, rabbits, human)
 RO1HL-12978-05 Sarcoplasmic reticulum ultrastructure and function (rabbits, chickens, lobsters)
 RO1HL-13188-05 Transformation kinetics in mesophages
 RO1HL-13198-17 0003 Protein interactions and physico-chemical properties - Reversible manipulation of platelets (cattle, human)
 ** RO1HL-13296-04 Blood platelets membranes, aggregation and adhesion (humans)
 RO1HL-13426-04 Left ventricular bypass for myocardial infarction (cattle)
 RO1HL-13704-02 Closed-chest left heart bypass without heparin (sheep)
 RO1HL-13712-02 Promotion of a viable antithrombogenic interface (dogs)
 PO1HL-13737-04 0002 Assisted circulation - U-shaped ventric (dogs)
 PO1HL-13737-04 0026 Assisted circulation - Hemostatic mechanism (human, dogs)
 PO1HL-13737-04 0032 Assisted circulation - The dynamic aortic patch (human, dogs)
 ** PO1HL-13738-03 0005 Cardiac assist devices and artificial hearts - Development of new materials for artificial heart and assist devices (sheep)
 RO1HL-13803-04 Development of a trileaflet aortic valve prosthesis (baboons, human)
 RO1HL-13965-03 Degradation of blood by biomaterials in a shearfield(dogs)
 PO1HL-13979-04 0009 Cardio-pulmonary-renal program - Cellular physiology of the lungs (rabbits, rats)
 PO1HL-13979-04 0012 Cardio-pulmonary-renal program - Alteration of cell membrane structure by vasopressin (toads)
 ** PO1HL-13979-04 0014 Cardio-pulmonary-renal program - A cellular lining layer of alveoli (rabbits, rats)
 PO1HL-13979-04 0016 Cardio-pulmonary-renal program - Protein section (human, rats, rabbits, monkeys)
 ** P17HL-14147-04 0001 Specialized center of research in thrombosis - Structure and function of human platelet membranes
 P17HL-14147-04 0003 Specialized center of research in thrombosis - Application of physical and chemical studies of lipid surfaces
 ** P17HL-14152-04 0004 Pulmonary specialized center of research - Surface properties of naturally occurring lecithins (dogs)
 P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
 P17HL-14179-04 0012 Center for the study of lung disease - Tracheal and amniotic fluid and their relation to neonatal lung function (human)
 ** P17HL-14217-04 0019 Specialized center of research in thrombosis - Electron microscopic study of molecular interaction at the platelet surface
 P17HL-14217-04 0038 Specialized center of research in thrombosis - Dacron tubing for artery replacement (human)
 P17HL-14218-04 0009 Newborn lung center - Filtration coefficient of pulmonary capillaries in experimental RDS (dogs, sheep)
 P17HL-14228-04 0001 Specialized center of research in thrombosis - Blood rheology and thrombosis
 P17HL-14228-04 0002 Specialized center of research in thrombosis - Mechanisms of platelet adhesion and aggregation in thrombosis (human, dogs)
 ** RO1HL-14294-03 Thermal effects at biomaterials interfaces (dogs)
 PO1HL-14322-03 0001 Interdisciplinary program in biomaterials science - Thrombo-resistant biomaterials
 ** PO1HL-14322-03 0002 Interdisciplinary program in biomaterials science - Blood-surface interactions (mammals)
 PO1HL-14322-03 0003 Interdisciplinary program in biomaterials science - Thromboresistant materials (mammals)
 ** PO1HL-14322-03 0005 Interdisciplinary program in biomaterials science - Methods to accelerate biologic interface development
 ** PO1HL-14322-03 0015 Interdisciplinary program in biomaterials science - Development of molecular microscopy for surface studies in biology
 RO1HL-14733-02 Artificial heart and related problems (cattle)
 RO1HL-14786-03 Polyurethane ionomers for biomedical applications (dogs)
 ** RO1HL-15029-06 Chemistry of monolayers surfaces and membranes
 ** P17HL-15062-03 0007 Study of lipoproteins, artery wall, and atherosclerosis - Physical chemistry of lipid-protein interaction (human)
 RO1HL-15123-02 Effects of oral contraceptives on the vascular system (human, dogs, rats)
 ** P18HL-15170-03 0022 Comprehensive sickle cell disease center - Surface chemicals (human)
 RO1HL-15183-01 Surgery with assisted and total bypass-Blood changes (human, dogs)
 M PO1HL-15195-01 Program project in biological materials
 ** PO1HL-15195-01 0002 Program project in biological materials - Structural and surface characterization
 PO1HL-15195-01 0004 Program project in biological materials - Biological evaluation and surface interaction studies (animals)
 ** RO1HL-15266-02 Evaluation and synthesis of lung surfactant (human, animals, rabbits)
 RO1HL-15335-02 The nature of the collagen-platelet interaction (animals)
 RO1HL-15919-01 Blood protein interactions at foreign surfaces
 ** PO1HL-16137-01 0009 Alveolar biology - Physico-chemical properties of the surfactant system-Individual components
 ** PO1HL-16137-01 0010 Alveolar biology - Physico-chemical properties of the surfactant system-Lipid protein systems
 RO1HL-16389-01 Development of prosthetic heart valves for children (monkeys, dogs)
 RO1HL-16498-01 Physiological effect of extracorporeal oxygenation (calves)
 RO1HL-16700-01 Centrifugal fluorocarbon blood oxygenation (dogs)
 ** PO1HL-16851-01 0002 Human red cell membrane in health and disease - Surface rheology of erythrocyte membrane components (human)
 RO1HL-16855-01 Cavitation in biological systems
 RO1HL-16898-01 Biofeasibility of total prosthetic lung replacement (dogs, sheep)
 RO1HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)
 RO1HL-16938-01 Effect of physical forces on blood (dogs, baboons, human)
 NO1HV-12060-07 Development of tissue cultured endothelium for vascular prosthetic devices
 PO1MS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
 RO1NS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
 RO1NS-09923-04 Cytological studies of developing and mature neurons (rats)
 RO1NS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
 RO1NS-10837-01 Model studies of myelin stability
 PO1NS-10920-02 0002 Development and regeneration in the nervous system - Comparison of oligodendrocytes and myelin (calves, rats)
 PO1NS-10920-02 0014 Development and regeneration in the nervous system - Disorders of neuronal development (cats)
 ** RO1NS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
PHYSICAL PROPERTIES, SURFACTANTS
 SEE ALSO RESPIRATORY SYSTEM, PULMONARY SURFACTANT
 RO1AI-04788-12 Lipids of algae and microorganisms
 ** RO1AM-06231-12 Relaxation-rate study of biochemical equilibria (human)
 ** PO1AM-09001-10 0049 Biochemistry and immunology of blood diseases - Membrane systems of rat lung (rats)
 RO1AM-15461-08 Physical and chemical nature of the cutaneous barrier (human)
 PO1AM-15515-03 0002 Psoriasis biology, psoriasis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
 RO1AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
 ** RO1AM-17281-01 Bile salts as atypical surfactants and solubilizers
 RO1CA-08723-06 Polarographic kinetic protein waves (bovine serum)
 ** RO1DE-02659-08 0002 Solubility and diffusion of calcium phosphates - Topical fluoridation of tooth enamel (human)
 ** RO1ES-00726-01 Biological effects of surfactants (plants, algae, Hydra, human, mice)
 PO1ES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
 ** PO1GM-15904-07 0034 Anesthesiology center for research and teaching - Kinetics of surfactant adsorption and desorption
 P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
 RO1HD-02459-08 Ultrastructural studies of the lung (rabbits)
 PO1HD-03015-08 0035 Program for developmental biology - Respiratory distress syndrome indicators in amniotic fluid (human)
 RO1HD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
 RO1HL-14474-03 Mechanisms of oxygen toxicity of the lung (rats)
 RO1HL-15029-06 Chemistry of monolayers surfaces and membranes
 ** P18HL-15170-03 0022 Comprehensive sickle cell disease center - Surface chemicals (human)
 RO1HL-15593-02 0002 Prolonged extracorporeal cardiopulmonary support - Laboratory study of prolonged extracorporeal circulation (sheep)
 RO1HL-15668-02 0002 Extracorporeal respiratory gas exchange-New approach - New membrane technology for extracorporeal lung devices (dogs)
 RO1HL-17719-01 Mechanisms of oxygen toxicity of the lung (rats)
 ** MO1RR-00633-02 0046 General clinical research center - Modification of barrier function in exfoliating skin disease (human)
PHYSICAL PROPERTIES, SURFACTANTS, ALEVAIRE
 RO1CA-12764-03 Selective inhibitors of cancer metastasis (mice, rats)
 RO1GM-16811-05 Role of cyclic GMP and cyclic AMP (animals)
PHYSICAL PROPERTIES, SURFACTANTS, DETERGENTS
 SEE ALSO DENTIFRICES
 RO1AI-10666-02 Bacterial surfaces, virulence and phagocytosis
 RO1AM-04576-14 Protein interactions and biological function (rabbits, rats, human)
 PO1AM-07462-11 0067 Hormonal regulation of metabolism - Subcellular distribution
 PO1DE-02847-06 0016 Microbial ecology and its relation to dental disease - Ability of materials to modify bacterial adherence to oral surfaces (rats, human)
 PO1GM-06965-15 0057 Basic experimental biology - Refolding of membrane proteins after removing sodium dodecyl sulfate
 RO1GM-10880-15 Optical rotatory power of biopolymers
 P11GM-15956-07 0030 Factors affecting the responses to drugs - Hepatotoxic and nephrotoxic drugs (human, rats)
 ** P11GM-15956-07 0035 Factors affecting the responses to drugs - Potential assay for detecting environmental teratogens (mice)
 RO1GM-20501-01 Action of lipolytic enzymes (bacteria, protozoa, snake venom)
 RO1HL-13111-03 Primary process of modified home-oxygen interactions
 ** P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
 RO1HL-16037-01 Molecular properties of cardiac adrenergic receptors
 R23HL-17187-01 The role of elastolysis in emphysema (hamsters)
 RO1OH-00410-05 Environmental injury and repair of epidermis (cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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PHYSICAL PROPERTIES, SURFACTANTS, POLOXALENE

- ** R01HL-03181-17 0024 Hemodynamics as applied to surgical problems - Pharmacological manipulation of blood flow (dogs)

PHYSICAL PROPERTIES, SURFACTANTS, SOAPS

- ** M01RR-00133-10 0064 General clinical research center - Percutaneous absorption of zinc pyrithione (humans)

PHYSICAL PROPERTIES, SUSPENSIONS

SEE ALSO PHYSICAL PROPERTIES, EMULSIONS

- R01GM-20901-01 Flow systems-Cell preparation, cytochemistry, pathology (human, animals)
 ** R01HL-09415-10 Rheology and phase transitions in model dispersions
 R01HL-16855-01 Cavitation in biological systems

PHYSICAL PROPERTIES, TENSILE STRENGTH

SEE ALSO ENVIRONMENT, STRESS MECHANICAL

- ** R01AM-03865-15 Structure and physical properties of bone (human)
 ** R01AM-08893-10 Mechanisms responsible for ligamentous strength (animals)
 R01AM-14047-06 Biological control of scar tissue (rats, dogs)
 R01AM-15478-03 Fixation of fractures with pyrolytic carbon plates (dogs)
 R01AM-16031-02 Quantitative biomechanical study of fracture repair (rabbits)
 ** R01AM-16047-03 Ureteral pathophysiology (dogs)
 R01AM-16058-03 Failure and repair of bone (cattle, dogs, human, rats)
 R01AM-16067-03 Hydrophilic methacrylates as self-locking implants (dogs, rabbits)
 R01AM-16186-02 0001 Inhibition of scars in tendon and nerve injury - Tendon studies (rats)
 P01EY-00299-09 0017 Neurophysiology of the visual apparatus - Muscle force patterns responsible for eye movements (human)
 ** R01GM-12829-10 0019 Wound healing - Normal colon healing (rats)
 ** P01GM-18470-03 0005 Trauma center - Wound healing in trauma patients
 R01GM-19664-01 Glass-elastomer composite biomaterials
 N01HB-42926-00 Evaluation of springy polypropylene as a prosthetic device
 P01HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
 P01HD-00669-15 0010 Interdisciplinary program of research in aging - Collagen fibril ultrastructure and thermodynamics (rats)
 ** P01HL-12738-06 0057 Physiologic pharmacology and its clinical applications - Tensile strength of autogenous systemic veins and venous space autografts (human)
 R01HL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
 ** P01HL-15195-01 0003 Program project in biological materials - Mechanical evaluation and fabrication
 R01HL-15239-01 Growth in vascular grafts (dogs, cattle)
- PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY**
 SEE ALSO BLOOD VISCOSITY-VISCOELASTICITY
 SEE ALSO BODY FLUID VISCOSITY-VISCOELASTICITY
 SEE ALSO MOLECULAR FRICTIONAL PROPERTIES
 R01AM-11919-06 Connective tissue and its components (cattle, human)
 R01AM-13490-04 Chemistry of submaxillary mucin in cystic fibrosis (human)
 ** R01AM-17094-01 Mathematical modeling of viscous flow phenomena
 ** R01AM-17163-01 Viscoelastic properties of muscle (frogs)
 R01DE-03434-09 Dental amalgams of controlled constitution
 R01GM-11180-11 Physical chemistry of deoxyribonucleic acid (*Drosophila*, mice)
 R01GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
 R01GM-13556-10 Problems in theoretical chemistry and polymers
 ** R01GM-13745-09 Analysis and control of chromosome movement (mice, insects, amphibians)
 R01GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
 R01GM-17436-04 Physical studies of altered ribosomal subunits (*E. coli*)
 R01GM-18395-03 Structure and properties of swelling implants
 P01GM-18674-03 0007 Diagnostic radiology research and training center - Myocardial toxicity of contrast agents (dogs)
 ** P01HD-04872-04 0002 Metabolism and aging - Periarticular connective tissue (monkeys)
 ** P01HL-04885-15 0015 Comparative cardiovascular studies - Alterations of pulmonary trunk compliance
 P01HL-06296-14 0002 Human adaptation to environmental and exercise stress - Pulmonary blood volume flow and diffusing capacity (human, animals)

- ** R01HL-09415-10 Rheology and phase transitions in model dispersions
 R01HL-12494-06 Continuum mechanics in biophysics (frogs, cats, rabbits)
 P17HL-14152-04 0017 Pulmonary specialized center of research - Animal model of pulmonary obstructive disease (sheep)
 R01HL-14854-02 Lung and tissue mechanics (mice, guinea pigs)
 R01HL-14874-02 Spontaneous vascular tone during renal hypertension (rats)
 ** P18HL-15170-03 0016 Comprehensive sickle cell disease center - Modification of hemoglobin S side chains (human)
 P01HL-16137-01 0010 Alveolar biology - Physico-chemical properties of the surfactant system-Lipid protein systems
 R01HL-16606-07 Force, velocity and sarcomere length in muscle (frogs)
 R01NS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
 R01NS-08692-05 Motor control system (human)
 P01NS-10981-02 0005 Control of activity in excitable tissues - Studies on neuromuscular transmission (frogs)

PHYSICAL SEPARATION*

SEE ALSO AIR TREATMENT, FILTERS AND FILTRATION

SEE ALSO BLOOD TREATMENT, BLOOD FILTERS

SEE ALSO WATER TREATMENT, WATER FILTERS AND FILTRATION

- R01AM-17524-01 0001 Role of ciliostatic factor in cystic fibrosis - Isolation of the ciliostatic factor (human)
 N01CP-43334-00 Virus processing and production facility
 ** R01GM-20758-01 Prostaglandin dehydrogenase (cattle, rodents, human)

PHYSICAL SEPARATION, CENTRIFUGATION*

SEE ALSO PHYSICAL PROPERTIES, SEDIMENTATION

SEE ALSO PHYSICAL SEPARATION, ULTRACENTRIFUGATION*

- ** R01CA-10167-08 Separation of blood by continuous flow centrifuge (primates, dogs, human)
 P02CA-12247-03 0022 Pediatric oncology center - Tissue culture of neoplastic cells
 R01CA-15461-01 Ethidium and DNA-Electronic and buoyant properties

PHYSICAL SEPARATION, CHROMATOGRAPHY*

SEE ALSO CHEMISTRY, ANALYTICAL METHODS, FINGERPRINTING*

- R01AI-10650-03 Molecular aspects of transcription (antibiotics)
 R01AI-11150-02 Characterization of matrone, an insect sterility
 R01AI-11714-01 Virus-antibody complexes and chromatography (mice)
 R01AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
 R01AM-10485-09 Abnormalities of hemoglobin metabolism (human, mice)
 R01AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
 R01AM-15867-03 Immune response to renal homografts in humans
 R01AM-16220-03 Specific radioassays for folate analogues (human, rabbits, mice)
 R01AM-16768-03 Radioimmunoassay of parathyroid hormone in man
 R01AM-17335-01 High resolution separations of glycosaminoglycans
 R01AM-17634-01 Endocrine aspects of peptide hormone metabolism (rats, primates)
 R01CA-01393-24 Patterns of steroid metabolism in cancer (human, mice)
 R01CA-11371-06 Biochemistry of cell division in bacteria
 R01CA-13540-03 Cancer of the thyroid and its hormonal identity (human, rats)
 R01CA-15435-02 0002 Pharmacokinetics of brain tumor chemotherapy - Therapeutic efficiency of 5-fluorouracil (rats, monkeys)
 R01DE-02901-06 Cell wall antigens of cariogenic streptococci (human, rabbits)
 ** R01EY-00918-02 New geometric isomers of vitamin A and carotene
 R01FD-00176-06 Mycotoxins in feeds and foods (swine, rats, fowl)
 R01GM-05811-15 Hydrolytic enzyme models
 ** R01GM-10851-17 Biomedical separations-A basic approach
 ** R01GM-14927-08 DNA protein interactions in DNA replication control (T4 phage, slime mold)
 ** P01GM-17184-05 0008 Hereditary variations in man which modify drug toxicity - Genetic differences in plasma protein binding of drugs
 P01GM-18252-04 0007 Automation of ultramicroanalyses of macromolecules - Biochemistry (human)
 ** R01GM-20671-01 High resolution liquid chromatography of lipids
 R01HL-06642-11 Tritiated digoxin (human, rabbits, dogs)
 R01HL-07379-09 Structure of fibrinogen (human)
 ** P18HL-15162-03 0013 Comprehensive sickle cell disease center - Newborn diagnosis of sickle cell disease by mini column chromatography (human)
 R01HL-15728-02 The carbohydrate of the blood-clotting glycoproteins (human)

- R01HL-15771-01 Amphiphilic cyclolopsipeptides
 R01NS-08427-06 Stereochemical requirements for NMJ blockade (cats)
 ** P07RR-00267-09 0094 Biomedical data processing unit - Simulation and resolution of chromatographic peaks

PHYSICAL SEPARATION, CHROMATOGRAPHY, AFFINITY

- R01AM-08432-09 Mechanism of induced renal disease (mammals)
 R01AM-10273-08 Chorionic gonadotropin (human, sheep, rats)
 R01AM-13212-06 Pyrophosphatase mechanism-Affinity labels (yeast, *E. coli*, rabbits, human)
 R01AM-14638-04 Structure and function of aldose-ketose isomerases (human, *Euglena*)
 R01AM-14915-04 Aldosterone stimulation of sodium transport (anurans, rats)
 R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
 R01AM-16038-03 Structure, function and regulation of hydroxylases (bacteria, cattle)
 R01AM-16445-01 Active sites of contractile proteins
 R01AM-16690-02 Folic acid binding protein and folate metabolism (human)
 R01CA-12842-03 Mechanisms of action of thymidylate synthetase (bacteria)
 R01CA-13992-02 0007 Surface membranes of normal and cancer cells - Glycosidases (*C. perfringens*, coffee beans)
 R01CA-14697-02 Specific anti-tumor activity by 'armed' lymphoid cells (mice)
 R01GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)
 P01GM-15731-06 0002 Proteolytic enzymes-Diversity, function, homology - Biospecific adsorption
 ** R01GM-20077-01 Affinity labels for acyl-CoA utilizing enzymes (cattle)
 ** R01GM-20230-02 Application of fluorescent nucleotide affinity probe (microorganisms)
 ** R01GM-20366-01 Substrate induced irreversible inhibition of enzymes (ungulates, yeast)
 ** R01GM-20479-01 Affinity labeling of glycolytic enzymes (rabbits)
 R01GM-21200-01 Affinity labels of nucleotide sites in dehydrogenases (cattle)
 R01GM-21392-01 Carbamyl phosphate synthetase-Kinetics and binding (*E. coli*)
 ** P01HD-06276-03 0074 Mental retardation research program - Enzymology (rats)
 ** R01HL-16114-01 Renin-Purification, characterization and assay (human, swine)
 ** R01NS-05572-10 0003 Ultrastructural basis of neuropsychiatric disease - Immunocellular methods for cell surface and intracellular labeling
 P01NS-11766-01 0005 Clinical research center for neuromuscular disease - Acetylcholinesterase (electric fish, rats, mice)
 N01NS-42308-00 Ultracentrifugation and affinity chromatography in multiple sclerosis (human)
- PHYSICAL SEPARATION, CHROMATOGRAPHY, AMINO ACID ANALYZER***
 ** R01AI-01384-15 Chemical basis of parasitism (rats)
 ** P01GM-15003-13 0024 The biological functions of metals - Autoanalyzer studies of enzyme kinetics instrumentation and methodology
 ** R01HL-11119-13 Amino acid analyzer for biochemical research (bacteria, mammals nonhuman)
 P01HL-15195-01 0001 Program project in biological materials - Design and synthesis
 P07RR-00480-06 Support of Michigan State mass spectrometry facility
- PHYSICAL SEPARATION, CHROMATOGRAPHY, DEAE CELLULOSE***
 R01AI-10999-02 Resistance to intracellular bacterial infection
 R01AM-15525-03 Regulation of erythropoiesis in fetus and adult (human, goat, mice)
 R01CA-14113-02 Tumor immunity (mice)
 R01CA-14441-02 Copper and ceruloplasmin metabolism in cancer
- PHYSICAL SEPARATION, CHROMATOGRAPHY, GAS***
 R01AI-01071-18 *Corynebacterium diphtheriae* and its viruses
 P02CA-06973-12 0030 Integrated clinical cancer research program - Pharmacology (rats)
 R01CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
 R01CA-13312-02 Field ion mass spectrometry applied to cancer therapy (rats)
 R01DA-00109-03 Morphine tolerance and high sensitivity measurement (rats)
 ** P01ES-00481-03 0013 Subcellular pathology of heavy metals - Gas chromatography for measurements of all forms of mercury by various reagents
 ** P01ES-00481-03 0016 Subcellular pathology of heavy metals - Gas chromatography of very low levels of lead in biological materials
 R01ES-00851-02 Detection of dioxin (human, fish, birds) (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1FD-00033-03 Photolysis of pesticides (foods)
RO1FD-00382-04 N-nitrosamines in foods (marine, fish, rats)
- ** RO1GM-05472-16 MS methods in protein and nucleic acid chemistry
- ** PO1GM-13901-08 0001 Analytical biochemistry for human studies - Gas chromatography (human)
- ** PO1GM-13901-08 0012 Analytical biochemistry for human studies - Gas chromatography-mass spectrometry of isothiocyanates
- ** P11GM-15431-08 0029 Research center for clinical pharmacology and drug toxicology - Mass spectrometric studies on barbituric acid derivatives
P11GM-15431-08 0044 Research center for clinical pharmacology and drug toxicology - New developments in selected ion monitoring
- ** P11GM-15477-08 0091 Drug metabolism and biochemical pharmacology - High-speed liquid chromatography in drug metabolism studies (human)
- ** P11GM-15477-08 0093 Drug metabolism and biochemical pharmacology - New gas chromatographic assay method
- ** P11GM-15477-08 0094 Drug metabolism and biochemical pharmacology - Plasma drug content estimation (human)
- ** P11GM-15477-08 0095 Drug metabolism and biochemical pharmacology - Gas chromatographic analysis of sulthiame (dogs)
- ** RO1GM-15847-06 High speed liquid gas chromatography
- ** P11GM-15956-07 0007 Factors affecting the responses to drugs - Gas chromatographic determination of bile acids in bile
P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- ** P11GM-16216-06 0049 Toxicological problems of drugs (placental transfer, lactation) - Instrumental development
PO1GM-17184-05 0009 Hereditary variations in man which modify drug toxicity - Developmental pharmacology
RO1GM-17904-03 Cybernation procedures in instrumental analysis
PO1GM-18252-04 0007 Automation of ultramicroanalyses of macromolecules - Biochemistry (human)
- RO1GM-18979-03 Stable isotope ratios using submicrogram samples
- ** RO1GM-19478-03 Microanalysis using gas chromatography
P11GM-20387-02 0009 Multidisciplinary research program in pharmacology-toxicology - GC-ECD methods for beta-receptor blocking drugs and metabolites (human)
P11GM-20387-02 0010 Multidisciplinary research program in pharmacology-toxicology - Improved methodology for isolation of polar drugs and metabolites (human)
P11GM-20387-02 0011 Multidisciplinary research program in pharmacology-toxicology - GC-ECD and GC-MS of hydroxy acids, aldehydes and ketones and acidic drugs
P11GM-20387-02 0012 Multidisciplinary research program in pharmacology-toxicology - Electron impact fragmentation in clinical pharmacology and toxicology
- M RO1GM-20457-02 GC-MS and stable isotopes in pharmacological research
RO1GM-20457-02 0001 GC-MS and stable isotopes in pharmacological research - Alcohols selectively toxic in the primate (monkey, human, rats, dogs)
RO1GM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norepinephrine synthesis and neurally mediated release (rats, guinea pigs)
- ** PO1GM-20832-01 0001 Genetic research project - Body fluids gas chrom./mass spec. of inborn errors (adults, infants)
RO1GM-21197-01 Medical diagnosis by mass spectrometry
** RO1GM-21443-01 Gas chromatography as an aid in clinical pathology (human, mice, rats)
PO1HD-04024-06 0002 Mental retardation research center - Organic chemistry (human)
RO1HD-08928-01 Fetal health and esterol production (human)
RO1HL-14729-02 Automated analysis of digoxin and related drugs (human)
- ** RO1HL-14890-03 Platelet prostaglandins (human)
RO1MH-17968-05 Chlorpromazine metabolism in acute schizophrenia (human)
- ** PO1NS-09199-04 0011 Effect of L-dopa on synthesis of amines in brain (human, animals) - Gas chromatography and mass spectrometry in L-DOPA metabolism (human)
- M PO7RR-00273-09 Mass spectrometric facility for biomedical research
PO7RR-00330-07 Mass spectrometry center for Research Triangle region
PO7RR-00355-08 High resolution mass spectrometer facility
PO7RR-00356-08 Physical sciences instrumentation facility
PO7RR-00480-06 Support of Michigan State mass spectrometry facility
- ** R24RR-00612-05 Resource-related research-computer and chemistry
- PHYSICAL SEPARATION, CHROMATOGRAPHY, GAS HYPERPRESSURE***
- ** RO1GM-10851-17 Biomedical separations-A basic approach
- PHYSICAL SEPARATION, CHROMATOGRAPHY, GEL FILTRATION (PERMEATION)***
- RO1AI-10214-04 Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture)

- RO1AM-16522-10 Characterization of homograft reactions (mice, guinea pigs)
RO1CA-08800-08 Mechanisms of drug inhibition of human leukemic cells (rats, human)
- ** RO1GM-10851-17 Biomedical separations-A basic approach
RO1GM-19550-01 Pyruvate kinase studies using direct gel scanning (human, E coli)
RO1HD-04899-04 Biochemical aspects of gene regulation (rats, bacteria)
RO1HD-06226-02 Uterine proteins in mammalian embryogenesis (rabbits, human)
RO1HL-13296-04 Blood platelets membranes, aggregation and adhesion (humans)
P17HL-14182-04 0023 A special center of research in thrombosis - Technique for concentrating and washing platelets (human)
- ** P17HL-14217-04 0022 Specialized center of research in thrombosis - Macromolecular complexes in thrombotic states (human)

PHYSICAL SEPARATION, CHROMATOGRAPHY, ION EXCHANGE*

- RO1GM-20778-05 Glycine metabolism-Enzymes and cofactors (bacteria)
- ** NO1HB-33007-01 Chromatography in mass screening programs for hemoglobinopathies (human)

PHYSICAL SEPARATION, CHROMATOGRAPHY, PAPER*

- ** RO1GM-10851-17 Biomedical separations-A basic approach

PHYSICAL SEPARATION, CHROMATOGRAPHY, PARTITION*

- SEE ALSO PHYSICAL SEPARATION, FRACTIONATION, COUNTERCURRENT*
- NO1DA-10095-02 Quantitative determination of cannabinoids in body fluids (human)
RO1GM-15847-06 High speed liquid gas chromatography

PHYSICAL SEPARATION, CHROMATOGRAPHY, RADIOCHROMATOGRAPHY*

- RO1AI-09551-05 Proto glycans-Structure and biological activity (chick embryo)
RO1HD-08057-11 Polysaccharide structure and activity (bacteria, chick embryo, Xenopus)

PHYSICAL SEPARATION, CHROMATOGRAPHY, THIN LAYER*

- PO1AI-11851-01 0006 Biology and biochemistry of lymphocyte surface - Lymphocyte membrane and Ig interaction (mice, human)
RO1AM-10073-09 Neurohumoral control of the anterior pituitary (rats)
NO1DA-10095-02 Quantitative determination of cannabinoids in body fluids (human)
NO1DA-30060-00 Evaluate new instrument capability
RO1FD-00364-03 N-Nitrosamine formation in cured meats (also fish)
- ** RO1GM-10851-17 Biomedical separations-A basic approach
PO1GM-15430-07 0022 Research in anesthesia - Analytical chemistry
RO1HD-04331-04 Mental retardation-Defect in Hurler syndrome (human, dogs, rats)
RO1HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)
RO1HL-12533-06 Hypocholesteremic compounds and metabolism (Tetrahymena, Saccharomyces)
RO1HL-14729-02 Automated analysis of digoxin and related drugs (human)
- ** RO1HL-14890-03 Platelet prostaglandins (human)
RO1HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)

PHYSICAL SEPARATION, DIALYSIS*

- SEE ALSO BODY FLUID BALANCE THERAPY, DIALYSIS (THERAPEUTIC)
- RO1AM-02493-16 Purification and structure of active principles
PO1DE-02849-06 0026 Mechanism and treatment of periodontal disease - Bone stimulating factor in media of cultured gingival fragments (human)
RO1HL-08058-12 Metabolism of coumarin anticoagulant drugs in man (human, rats)
RO1HL-16101-01 Protein-lipid interaction (bacteria)
RO1NS-08336-14 Ion fluxes in nerve and muscle (squid, barnacles)

PHYSICAL SEPARATION, DIELECTROPHORESIS*

- ** RO1GM-18298-03 Dielectric and NMR studies of proteins (cell lines)
PO1HL-13979-04 0021 Cardio-pulmonary-renal program - Membrane permeability by NMR relaxation (animals)

PHYSICAL SEPARATION, ELECTROFOCUSING*

- ** RO1AM-14388-05 Ciliary action related to cystic fibrosis (human)
RO1CA-02924-18 Synthesis and testing of metabolic analogs (protozoa)
** PO1HD-06276-03 0074 Mental retardation research program - Enzymology (rats)
RO1HL-10567-09 Erythropoietin-immunoassay and characterization (human, mice, rabbits)

PHYSICAL SEPARATION, ELECTROPHORESIS*

- SEE ALSO CHEMISTRY, ANALYTICAL METHODS, FINGERPRINTING*
- SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOELECTROPHORESIS*
- SEE ALSO PHYSICAL SEPARATION, ELECTROFOCUSING*
- RO1AI-03242-13 0005 Genetics, structure, and function of bacterial pili - Detection, assay, and characterization of new epiviruses (bacteria, animals)
RO1AI-09017-06 Membrane glycoproteins of platelets and leukocytes (human)
RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
RO1AM-17634-01 Endocrine aspects of peptide hormone metabolism (rats, primates)
RO1CA-12365-03 Inbred dwarf hamsters for biomedical research
RO1CA-12589-03 Cell electrophoresis for cancer diagnosis (mammals)
RO1CA-14113-02 Tumor immunity (mice)
RO1CA-14955-02 Follow-up study of thorostrast patients
PO1GM-15003-13 0017 The biological functions of metals - Biomacromolecular directed transport in structure studies
PO1GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
RO1GM-18456-04 Biophysical studies of nucleohistones (cattle)
** RO1GM-19221-02 Electrophoresis in biomedical system (cattle)
NO1HB-22920-03 Molecular and cellular studies on sickle cell anemia (human, animals)
RO1HL-02799-17 Abnormal hemoglobins (human)
** PO1HL-13108-05 0042 Clinical heart transplantation - Electrophoretic properties of lipoprotein antigen (human)
RO1HL-13423-04 Structure-function studies of plasminogen and plasmin (human, animals)
RO1HL-13594-04 Studies of erythrocyte antigen site density (human, animals)
- ** P18HL-15997-02 0004 A comprehensive hospital-community sickle cell center - Hemoglobin electrophoresis instrument
- ** RO1HL-16017-01 Automated hemoglobin electrophoresis
PO1NS-07938-06 0001 Peripheral and central nervous system - Chemoreceptors (cats, frogs)
RO1NS-09603-04 The biochemical effects of sensory deprivation (chicks)
RO1NS-10124-03 Drug effects on membrane-bound endplate cholinesterase (cats, rats, frogs)
RO1NS-11861-01 Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish)
MO1RR-00039-14 0070 General clinical research center - Leukophoresis

PHYSICAL SEPARATION, ELECTROPHORESIS, DISC*

- RO1AI-11304-01 Classification of gonococci and antigen analysis
RO1AI-11337-02 Control of toxin production in viral-infected cells
RO1AM-16769-02 Control and action of cyclic AMP (rats, dogs, rats, dogs)
- ** PO1CA-08748-09 6203 Research program of Sloan-Kettering Institute - Analysis of plasma and urine in Hodgkin's disease
RO1CA-11151-06 Maturation of RNA and DNA in tumor virus infection
RO1GM-14582-08 Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters)
P17HL-14153-04 0002 Johns Hopkins Lung Center - Alpha-1-antitrypsin and its electrophoretic variant in COPD (human)
PO1HL-16748-01 0002 Cellular and immunological bases of pulmonary diseases - Immunological function of alveolar macrophages (human, animals)

PHYSICAL SEPARATION, ELECTROPHORESIS, GEL*

- RO1AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
RO1AM-17020-02 Isolation of Hurler's corrective factor from serum (human)
PO1AM-17433-01 0015 Cardiovascular, metabolic aspects of membrane transport - Cation transport and metabolism in abnormal red cells (human)
PO1CA-08748-09 5411 Research program of Sloan-Kettering Institute - Serum high density lipoprotein-2 in cancer patients
- ** RO1CA-14005-02 The photoreactivating enzyme in repair of DNA (E coli)
** NO1CP-23245-02 Optimizing electrophoretic separation of proteins with new hydrogels (human)
RO1GM-14621-08 Physico-chemical studies of nucleic acids (E coli, Drosophila)
RO1GM-19189-02 Control of DNA replication (bacteria, mice)
RO1HL-01882-20 Analytical and physical chemistry of serum lipoproteins (human)
RO1HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
RO1HL-13388-05 Fibrinogen and fibrin derivatives (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Omitted significantly to above subject.
M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, neoturus)
- PHYSICAL SEPARATION, ELECTROPHORESIS, HIGH VOLTAGE***
- P11GM-20387-02 0001 Multidisciplinary research program in pharmacology-toxicology - Improved methodology for isolation of polar drugs and metabolites (human)
- PHYSICAL SEPARATION, ELECTROPHORESIS, STARCH***
- RO1AM-16522-10 Characterization of homograft reactions (mice, guinea pigs)
- P17HL-14153-04 0002 Johns Hopkins Lung Center - Alpha-1-antitrypsin and its electrophoretic variant in COPD (human)
- PHYSICAL SEPARATION, FRACTIONATION (GENERAL)***
- SEE ALSO BLOOD FRACTIONATION
- ** NO1AI-42503-00 Collaborative fractionation study
- NO1AI-42525-00 Serologic testing of mycobacterial fractions
- ** RO1AM-14776-03 Disassembly of the I-Z1 hands of striated myofibrils (rabbits)
- RO1CA-15590-01 Antitumor agents from West African plants
- ** RO1GM-10851-17 Biomedical separations-A basic approach
- PO1GM-20927-01 0002 Sequence structure of eukaryotic genome - Nitrocellulose columns for DNA fragments
- ** NO1HB-12359-04 Removal of infectious agent of hepatitis from blood (human)
- ** NO1HB-32968-02 New methods of plasma fractionation
- ** NO1HB-32971-02 Methods of plasma fractionation
- NO1HB-42946-00 Isolate and test antithrombin III (human, dogs)
- NO1HB-42947-00 Isolation and evaluation of products from plasma fractionation (human, animals)
- ** PO1HD-01799-09 0012 Mental retardation research center - Synaptic function-subcellular fractionation techniques
- PO1HD-05875-04 0003 Aging mechanisms of in vitro human cell systems - Methods of cell culture (WI-38)
- RO1HD-07345-01 Estril 16-glucuronate and estranol antibodies (human)
- RO1HL-13802-04 Studies of human platelet inositides
- RO1HL-13881-04 The American Red Cross National Fractionation Center
- ** PO1HL-16833-01 0004 Hemoglobin and red cell system in hemoglobinopathies - Purification and fractionation of hemoglobin A and S
- PO1NS-10175-03 0022 Neuromuscular disease research center - Myotonia-isolation of sarcolemma and the sarcoplasmic reticulum (goats)
- ** PO1NS-10299-03 0020 Biophysical and biochemical studies of cellular membranes - Separation of gap function membranes from the rat liver
- PHYSICAL SEPARATION, FRACTIONATION, COUNTERCURRENT***
- SEE ALSO PHYSICAL SEPARATION, CHROMATOGRAPHY, PARTITION*
- RO1AM-02493-16 Purification and structure of active principles
- ** RO1AM-17535-01 High resolution separations of glycosaminoglycans
- PHYSICAL SEPARATION, HOLLOW FIBER SEPARATION TECHNIQUES (GENERAL)**
- RO1AM-17009-01 Permeability measurements for hollow fiber membranes
- PHYSICAL SEPARATION, MICROPOROUS FILTERS, FILTRATION***
- PO2CA-14520-02 0001 Wisconsin Clinical Cancer Center - Developmental interactions in control of tumors (human, mice)
- RO1GM-15152-07 Permeability of membranes
- PHYSICAL SEPARATION, MOLECULAR SIEVES***
- RO1AM-04247-14 Calcium metabolism and skeletal physiology (rats)
- ** RO1GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)
- PHYSICAL SEPARATION, ULTRACENTRIFUGATION***
- SEE ALSO PHYSICAL PROPERTIES, SEDIMENTATION EQUILIBRIUM
- RO1CA-11818-04 Adenylate kinase in normal and neoplastic tissues (rats, mice)
- ** RO1CA-13953-02 Control of myeloma tumor growth (mice)
- ** PO1GM-15003-13 0022 The biological functions of metals - Instrumentation for ultracentrifugation
- RO1HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)
- RO1HL-11822-06 Biophysical studies on macromolecular interactions (microorganism, plant, mammal)
- PHYSICAL SEPARATION, ULTRACENTRIFUGATION, ANALYTICAL***
- SEE ALSO PHYSICAL SEPARATION, ULTRACENTRIFUGATION, DENSITY GRADIENT*

- RO1AI-11337-02 Control of toxin production in viral-infected cells
- ** RO1CA-12971-03 Biochemical mechanisms of pyrimidine alkylation (bacteria, rats, goats)
- RO1GM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- RO1GM-18456-04 Biophysical studies of nucleohistones (cattle)
- PHYSICAL SEPARATION, ULTRACENTRIFUGATION, CONTINUOUS FLOW***
- ** PO2CA-08832-08 0064 An integrated study of advanced malignant diseases - Continuous flow centrifuge-Collection efficiency
- PO2CA-08832-08 0065 An integrated study of advanced malignant diseases - Survival of fresh and stored granulocytes
- PO2CA-08832-08 0068 An integrated study of advanced malignant diseases - Rapid plasma exchange with continuous flow centrifuge
- PHYSICAL SEPARATION, ULTRACENTRIFUGATION, DENSITY GRADIENT***
- RO1AI-05173-10 Genetic control of capsule production in *Pneumococcus*
- RO1AI-08937-06 Stable virus-cell associations (bacteria)
- RO1AM-15802-02 Small intestinal oligopeptidases in digestion (human, rats)
- RO1AM-17434-01 Hemopoietic stem cell surface characters (mice, rats)
- RO1CA-08593-08 Immune responses to tumor grafts (mice, sheep)
- RO1CA-11027-06 Transcription and translation in poxvirus infected cells
- NO1CP-33348-02 Study the leukemia virus DNA polymerase
- RO1EY-00675-04 Biochemistry of visual cell renewal and visual cycle (rats)
- RO1GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
- RO1GM-13914-09 0001 Macromolecules of circulatory and genetic importance - Protein conformation (rabbits)
- RO1GM-15327-16 Ultracentrifugal studies of biological macromolecules (mice, human)
- RO1GM-18871-07 Physical chemistry of proteins in salt solutions (human, cattle)
- RO1HL-01882-20 Analytical and physical chemistry of serum lipoproteins (human)
- RO1HL-10099-09 Energy metabolism in blood platelets (rats)
- P17HL-14182-04 0023 A special center of research in thrombosis - Technique for concentrating and washing platelets (human)
- RO1HL-15383-02 Structure and properties of six hemoglobins (rats)
- RO1NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- PHYSICAL SEPARATION, ULTRAFILTRATION***
- ** P10ES-00928-01 0034 Environmental agents-Relation to human health effects - Cigarette filter capture of ultramicroscopic inorganic particles
- ** NO1RR-00287-08 0033 General clinical research center - Determination of rate of ultrafiltration through coil hemodialyzers (human)
- PO6RR-00640-03 0001 Nutritionally defined gnotobiotic development and use - Chemically defined water-soluble diet for reproducing germ free mice
- PHYSICAL THERAPY**
- SEE HEALTH CARE SERVICES, PHYSICAL THERAPY
- PHYSICALLY HANDICAPPED**
- SEE DISEASES, DISABLING, HANDICAPPED
- PHYSICIANS**
- SEE HEALTH SCIENCES PROFESSIONS, PHYSICIANS
- PHYSICIANS ASSISTANTS**
- SEE HEALTH SCIENCES PROFESSIONS, PHYSICIANS ASSISTANTS
- PHYSICS (GENERAL)***
- SEE ALSO BIOPHYSICS (GENERAL)*
- SEE ALSO ENVIRONMENT, GEOPHYSICS
- SEE ALSO PHYSICAL PROPERTIES (STATES)(PROCESSES)
- ** PO2CA-05838-13 0030 Clinical radiotherapy cancer research center - Radiotherapy physics
- PO1CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
- PO1CA-12542-03 0001 Fast neutron therapy with TAMVEC cyclotron - Physics
- NO1CN-45148-00 Cancer control radiologic physics center
- ** NO1CN-45150-00 Cancer control radiologic physics centers
- NO1CN-45152-00 Cancer control physics center
- ** NO1CN-45160-00 Cancer control radiologic physics centers
- PO1GM-18940-02 0010 Study of radiologic images - Collimation and detection of radiation (phantom models)
- PO1HD-01136-10 0008 Center for research in human learning - Instruction (children, adults)
- ** PO1HL-11310-08 0036 Mechanisms of cardiovascular disease - Physics of pulsatile fluid flow (dogs)

- PHYSIOLOGICAL CHEMISTRY STUDY SECTION**
- ** RO1AI-01575-18 Nutrition and metabolism of microorganisms
- ** RO1AI-02951-13 Biochemistry of enteric amoeba and related organisms
- ** RO1AI-03899-14 Metabolism of normal and bacteriophage infected *Escherichia coli* (human)
- ** RO1AI-05388-12 Genetic recombination and microbial DNA synthesis (bacteria, phage)
- ** RO1AI-07241-09 Biosynthesis and metabolism of deoxysugars (bacteria)
- ** RO1AI-08650-06 Biosynthesis of lipopolysaccharides (bacteria)
- ** RO1AI-08903-06 Structure and function of bacterial lipids
- ** RO1AI-08998-06 Phage Phi X-174-Genetics and DNA chemistry (mammals, sea urchins, *Drosophila*)
- ** RO1AI-09116-06 Tissue enzymes and plasma proteins (rabbits)
- RO1AI-09456-05 Control of messenger RNA synthesis
- ** RO1AI-10098-04 Lipid biosynthesis in *Clostridium butyricum*
- ** RO1AI-10214-04 Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture)
- ** RO1AI-10551-03 Structural studies of immunoglobulin M (human)
- ** RO1AI-10858-03 Viral modification of amino acid activating enzyme (*E. coli*, phages)
- ** RO1AI-10864-03 DNA methylation control by extrachromosomal factors (*E. coli*, bacteriophages)
- ** RO1AI-11301-02 Protein synthesis in T-4 bacteriophage-infected cells (*E. coli*)
- ** RO1AI-11903-02 Development of a type B phytochemagglutinin (legumes)
- M RO1AI-12066-01 Nucleoside analogs-Biosynthesis and role in the cell
- ** RO1AI-12142-01 Biochemical studies of a major opsonic protein (rats, rabbits, human, chickens)
- RO1AM-00028-22 Characterization of cartilage ground substances (human, cattle)
- ** RO1AM-00562-21 Study of metabolic mechanisms (bacteria, plants)
- ** RO1AM-00803-20 Methionine-tRNA synthetase (cattle, rats, rabbits, human)
- ** RO1AM-01005-22 Metabolic studies on animal microorganisms (protozoans)
- ** RO1AM-01107-18 Components of human gastric juice (human, mammals)
- ** RO1AM-01128-18 ACTH, its receptors, antagonists and mode of action (cattle)
- ** RO1AM-01448-18 Catalytic functions and metabolism of vitamin B6 (bacteria, fungi)
- ** RO1AM-01845-17 Enzymic mechanisms in biosynthesis (bacteria, shrimp)
- RO1AM-02479-16 Isolation and structure of acid mucopolysaccharides (rats, cattle)
- ** RO1AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
- ** RO1AM-03718-15 Enzymatic paths and mechanisms in amino acid metabolism (animals, bacteria)
- RO1AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
- ** RO1AM-04256-14 Energy transfer in biological systems (virus, rats, human)
- ** RO1AM-04407-13 Molecular basis of membrane transport (human, rats, bacteria)
- ** RO1AM-04842-13 Endocrine regulation of protein synthesis (rats, viruses)
- ** RO1AM-05165-13 Lipids in microorganisms and plants
- ** RO1AM-05310-13 Fatty acid activation and transfer to glycerolipids (rats)
- ** RO1AM-05384-13 Some metabolic pathways (*Pseudomonas*, goldfish)
- ** RO1AM-05507-13 Gene action, enzyme, nucleotide, carbohydrate patterns (bacteria, yeast)
- ** RO1AM-06482-12 Distortion of disulfide bridges in enzymes (plants)
- ** RO1AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
- ** RO1AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
- RO1AM-07180-12 Mechanisms of oxygen metabolism (rabbits)
- ** RO1AM-07203-12 Studies on phosphohemose isomerases (rabbits, yeasts, swine)
- ** RO1AM-07697-11 Chemistry of elastin (cattle, chick embryo, swine)
- ** RO1AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)
- ** RO1AM-07902-11 Structure and function of enzymes (rabbits, rats, microorganisms, dogfish)
- RO1AM-07984-12 Hydroxylysine metabolism (mammals, birds, reptiles, fish, invertebrates)
- ** RO1AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)
- RO1AM-08127-10 Biochemistry of altered dermal connective tissue (birds, human)
- ** RO1AM-08350-11 Reaction between hormone and tyrosine oxidase system (rats)
- RO1AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIAM-08482-10 Protein polysaccharides of connective tissue (mice, human)
- ** ROIAM-08511-11 Characterization of kidney peptidase (swine, human)
- ** ROIAM-08732-13 Vitamin A in glycoprotein synthesis
- ** ROIAM-08816-10 Metabolism of mucopolysaccharides (frogs, chick embryos)
- ROIAM-08823-10 Biosynthetic processes in mitochondria (yeast, ascites tumor, cattle)
- ** ROIAM-08845-10 Research in biochemistry
- ** ROIAM-08873-10 Enzymic responses to altered endocrine status (rats, bacteria)
- ** ROIAM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
- ** ROIAM-09072-11 Structure function relationships in proteins (avian pancreatic peptide)
- ** ROIAM-09132-10 Biochemistry of bone and connective tissue (cattle, chick embryo)
- ** ROIAM-09314-10 Enzymology of the oxidative metabolism of thymidine (Neurospora, rats)
- ** ROIAM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
- ** ROIAM-09602-07 Amphibian metamorphosis and L-lysine metabolism (rats, calves, human)
- ROIAM-09688-10 Biochemical studies on steroids and prostaglandins (cattle)
- ** ROIAM-09758-09 Polyunsaturated fatty acid interconversions (rats)
- ** ROIAM-09851-09 Biochemistry of complex carbohydrates (bacteria, chick embryo, fungi)
- ** ROIAM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
- ** ROIAM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
- ** ROIAM-10004-10 Biosynthesis of coenzyme Q (rats)
- ** ROIAM-10010-10 Analysis of the lipids of human skin
- ** ROIAM-10067-08 Biosynthesis of the DBI moiety of vitamin B12 (propionibacteria)
- ** ROIAM-10334-09 Control processes in mammalian cells (rats, cattle, human)
- ** ROIAM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
- ** ROIAM-10339-09 Kinases, desaturases, and hydroxylases (bacteria, yeast, rabbits)
- ** ROIAM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- ** ROIAM-10767-08 Sterol biosynthesis (rats, chickens, yeast)
- ** ROIAM-11248-08 Structure of connective tissue proteins (human, mammals)
- ** ROIAM-11313-08 Structures and mechanisms of citrate enzymes (bacteria, rats)
- ROIAM-11410-08 Allosteric properties of phosphofructokinase (rabbits)
- ** ROIAM-11448-08 Cellular regulation of enzyme activity (rabbits, mice)
- ** ROIAM-11661-08 Metabolic control in reactions of nucleotide sugars (cattle, chick embryo)
- ** ROIAM-11799-07 Metabolism of liver membrane phospholipids
- ** ROIAM-11821-06 Glycoproteins of the intercellular matrix (human, rats, cattle)
- ** ROIAM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- ** ROIAM-12104-07 Regulation of coenzymes in biological systems (bacteria, rats, HeLa cells)
- ** ROIAM-12172-07 Structure and metabolism of isopentenoids (plants, protozoa, yeasts, mammals)
- ** ROIAM-12245-07 Structure of biotin enzymes (cattle, birds, microorganisms)
- ** ROIAM-12395-08 Protein modification by mammalian enzyme systems (bacteria, rats, rabbits)
- ** ROIAM-12402-07 Regulation of enzymes in mevalonate synthesis (yeasts, human, rats)
- ROIAM-12434-07 Chemistry and metabolism of sphingolipids (human, dogs)
- ** ROIAM-12604-06 Glucose metabolism and hydrogen transport (rats, rabbits, birds)
- ** ROIAM-12713-06 Studies on steroid hydroxylases (mammals, plants)
- ROIAM-12788-23 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- ** ROIAM-13091-06 Porphyrins—Enzymatic mechanisms and control of synthesis (bacteria, cattle)
- ** ROIAM-13105-07 Molecular basis for alternative allosteric patterns (blue green bacteria)
- ** ROIAM-13115-11 Properties and metabolism of individual proteins (rabbits, yeasts)
- ROIAM-13140-14 Mechanisms and enzymes of terpene biosynthesis (fungi, bacteria, plants)
- ** ROIAM-13150-07 Enzyme interactions in metabolic regulation (kidney-swine, rats)
- ** ROIAM-13198-06 Adenylate control of enzyme synthesis and function (bacteria)
- ** ROIAM-13230-06 Biosynthesis of complex polysaccharides (bacteria, fungi, animals)
- ** ROIAM-13238-06 Protein synthesis in muscle (chick embryos)
- ** ROIAM-13332-06 Metabolic regulation and interacting enzyme systems (cattle, rats)
- ** ROIAM-13390-07 Mechanism of fatty acid synthesis in animals (chickens, pigeons)
- ** ROIAM-13407-06 Glycosyltransferases
- ** ROIAM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
- ROIAM-13448-06 Mechanistic study of some O2 oxidoreductases
- ** ROIAM-13490-04 Chemistry of submaxillary mucin in cystic fibrosis (human)
- ** ROIAM-13709-06 Structure and function of pyrophosphorylases (human, cattle, rabbits)
- ** ROIAM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
- ** ROIAM-14307-05 Structure and function of pancreatic enzymes (cattle, pigs)
- ROIAM-14415-03 Intracellular function of cyclic 3 5 AMP (bovine tissues)
- ** ROIAM-14439-05 Biochemical steps and control of collagen synthesis (chick embryo)
- ** ROIAM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- ROIAM-14706-03 Polymers and RNA synthesis during liver regeneration (rats)
- ROIAM-14723-04 Regulation of renal glycogen synthase system (rabbits, cattle, rats)
- ** ROIAM-14728-03 Structure-function studies on actin and myosin (rabbits, cattle)
- ** ROIAM-14729-04 Mechanism of heterostoid isomerase-catalyzed reaction (bacteria)
- ** ROIAM-14837-04 Studies of a peptide from pancreas (human, chickens)
- ** ROIAM-14914-03 Origin and metabolism of pyroglutamic acid in epidermis (mammals)
- ** ROIAM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
- ** ROIAM-15061-03 Collagenase—Structure and biological function (clostridium)
- ** ROIAM-15112-04 The structure of basement membranes
- ROIAM-15150-03 Hydroxy fatty acid metabolism and function (coelenterates, chickens, rats, yeast)
- ** ROIAM-15282-01 Heme proteins structure, function, genetics (rodents, armadillo, bats, protozoa)
- ** ROIAM-15297-03 Pathways of carbon and hydrogen in gluconeogenesis (rats)
- ** ROIAM-15345-04 Liver fatty acid synthetase and acetyl coA carboxylase (swine)
- ROIAM-15367-03 Degradative mechanisms of collagen in health and disease (amphibian)
- ** ROIAM-15467-03 Transfer RNA and hemoglobin synthesis—tRNA methylation (human, rabbits)
- ROIAM-15468-02 Pyruvate carboxylase in metabolic regulation invertebrates, (vertebrates)
- ** ROIAM-15475-03 Biochemistry of gastric sulfated glycoproteins (human, rats, dogs, swine)
- ** ROIAM-15611-03 Biochemical role of cyclic AMP in gastric mucus (rabbits, dogs)
- ** ROIAM-15623-03 Polysaccharide metabolism in cystic fibrosis (human)
- ** ROIAM-15826-02 Biological methylation of contractile proteins (chickens, myomycetes)
- ** ROIAM-15836-03 Control of lipogenesis in animals and microorganisms (rats, microorganisms)
- ** ROIAM-15836-03 Structure and metabolism of pituitary hormones (human, cattle)
- ROIAM-15857-03 Acetylated proteins in muscular dystrophy (mice, rabbits, chickens)
- ** ROIAM-15893-01 Regulation of lipid metabolism in human adipose tissue (human)
- ** ROIAM-16070-01 Mechanism of control of fatty acid synthesis (E coli, pigeons, rats)
- ** ROIAM-16072-03 Carbohydrate structure of iron-transport proteins (swine, rabbits)
- ** ROIAM-16073-01 Structure and specificity of lipogenic enzymes
- ** ROIAM-16086-03 Synthesis of fatty acids in mammalian tissue (rats, cattle)
- ** ROIAM-16226-01 Mechanism and control of serum albumin biosynthesis (rats, human, cattle)
- ** ROIAM-16363-01 Liver plasma binding of serum glycoproteins
- ** ROIAM-16367-01 Cyclic nucleotide phosphodiesterase (rat liver)
- ** ROIAM-16437-01 Insulin protease—Purification, mechanism, inhibition
- ** ROIAM-16457-01 Purification and biochemistry of sulfation factor
- ** ROIAM-16506-02 Chemistry and biology of normal and abnormal collagens (human)
- ** ROIAM-16674-01 Aminoacyl transfer RNA synthetases in reticulocytes (rabbits, yeasts, bacteria)
- ** ROIAM-16709-02 Structure-function of GAL-1-PO4 uridylyl transferase (human)
- ** ROIAM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- ** ROIAM-16767-02 Control of collagen biosynthesis and maturation (human, swine)
- ** ROIAM-16837-01 Biochemistry of lipids in growing normal tissues (rat liver)
- ROIAM-16865-02 Isolation of proinsulin mRNA (hamsters)
- ** ROIAM-17215-01 Proteoglycans in aging and osteoarthritic cartilage (human, dogs)
- ** ROIAM-17220-01 Biology and chemistry of procollagen in cell culture (mice)
- ** ROIAM-17320-11 Carbohydrate metabolism in red blood and tumor cells (human)
- ROIAM-17325-02 The structure of glycoproteins (human, cattle, mollusks, annelids, rats, mice)
- ** ROIAM-17465-01 Gaucher's disease—enzymology and approach to therapy (human, rats)
- ** ROIAM-17489-01 Fatty acid synthesis—Chain length modifier protein (rats)
- ** ROIAM-17535-01 High resolution separations of glycosaminoglycans
- ** ROIAM-17551-02 Enzymatic and nonenzymatic reactions of glyoxylate (animals, plants, bacteria)
- ROIAM-17552-02 Effect of coenzymes on enzyme structure and function (swine)
- ** ROIAM-17752-01 Studies on thyroglobulin (human, guinea pigs)
- ** ROIAM-17779-01 Degradative mechanisms of collagen in health and disease (amphibian, human)
- M ROICA-01786-20 Blood proteins
- ROICA-02075-20 Polysaccharides in neoplastic disease (human, cattle, rabbits)
- ** ROICA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
- ** ROICA-04464-16 Biosynthesis and role of deoxynucleotides (hamster, rats, human, E cell)
- ** ROICA-04910-15 Role of glycolysis in tumor growth (human, rodents)
- ROICA-05262-14 Iodoisouridine, iodo-DNA and biological activity (mice)
- ** ROICA-06657-12 Enzyme studies in experimental leukemia (mice, human)
- ROICA-07617-12 Liver and hepatoma dehydrogenases (rats)
- ** ROICA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- ROICA-08128-09 Effects of alkylation on DNA (bacteria)
- ** ROICA-08418-09 Glycoproteins from cancer cells (mice, guinea pigs)
- ** ROICA-08487-09 Biosynthetic polydeoxynucleotides (cattle)
- ROICA-10628-07 Structure and function of ribosomes (mammals, yeast)
- ROICA-10904-06 Biochemical studies in cancer (mice, rats)
- ROICA-10984-06 Structure and function of ribonucleic acids (bacteria, bacteriophage)
- ROICA-11034-06 Relation of transfer RNA structure and function (rabbits, bacteria)
- ** ROICA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)
- ROICA-11186-06 Asparagine transport in normal and neoplastic cells (human, bacteria, mice)
- ** ROICA-11208-06 Control of synthesis and function of nucleic acid (bacteria, bacteriophage)
- ROICA-11262-06 Altered components of protein synthesis (bacteria, viruses)
- ** ROICA-11449-05 New antagonists of amethopterin-resistant leukemia (human bacteria, mice)
- ROICA-11595-14 Regulation of cellular syntheses and activities (bacteria, animal cells)
- ROICA-11624-05 RNA metabolism in development and hormonal regulation (soybean, pea)
- ROICA-11684-05 Mechanisms of drug action in normal and tumor cells (mice, human, rats)
- ROICA-11705-05 Studies on DNA synthesis (bacteria, human, mammals)
- ** ROICA-11854-04 Characterization of ribosomal RNA methylases (bacteria, viruses, animal cells)
- ROICA-11948-03 The relation of tRNA to oncogenesis
- ** ROICA-11949-05 Biosynthetic mechanisms for ether bonds in lipids (rats)
- ** ROICA-11950-04 Mammalian RNA synthesis during amino acid deprivation (L cells, HeLa cells, rats)
- ** ROICA-12053-03 The mechanism of action of SH activated cathepsins
- ** ROICA-12080-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
- ** ROICA-12210-14 Cellular control mechanisms (mammals)
- ROICA-12226-04 Studies on protein methylation in neoplastic tissues (rats, frogs)
- ** ROICA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
- ** ROICA-12428-04 DNA repair and its relationship to carcinogenesis
- ** ROICA-12574-04 Modification of NH2-terminal region of proteins (E coli, mice, chickens)
- ** ROICA-12741-03 Effect of virus-induced transformation on tRNA (mice, virus)
- ** ROICA-12742-03 Lack of control of tRNA methylases in tumor tissue (rabbits)
- ** ROICA-12753-03 Cell surfaces and transformation
- ** ROICA-12853-03 Membranes of leukemic and normal human leukocytes
- ROICA-12973-03 Tumor lipids—Metabolism and structural studies
- ** ROICA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
- ** ROICA-13971-02 Informational RNA in plasma cell neoplasms (myelomas, human, mice)
- ** ROICA-14047-02 Methylations in tumors (rabbits, chickens, anurans, bacteria)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** RO1CA-14318-01 Lysophospholipid metabolism of neoplasias (tissue culture)
- ** RO1CA-14319-02 Glycosphingolipid biochemistry in transformed cells (human, hamsters, cattle)
- ** RO1CA-14351-01 Normal and leukemic lymphocyte surface glycoproteins
- RO1CA-14835-02 DNA polymerases in normal and neoplastic human cells
- ** RO1CA-14854-01 Cancer cell surface glycoproteins (mice, human)
- ** RO1CA-15047-01 O-alkyl lipids in surface membranes of tumor cells (rats, human)
- ** RO1CA-15086-01 Nuclear synthesis and modification of RNA (rats)
- ** RO1CA-15135-01 Histones in cell differentiation and carcinogenesis (mice, rats, human)
- ** RO1CA-15187-01 DNA synthesis—Regulation in normal and cancer cells (rat liver)
- ** RO1CA-15196-01 Regulation of fatty acid biosynthesis in mammary tumors (rats)
- ** RO1CA-15290-01 Cancer spreading factors as a target for zinc therapy
- ** RO1CA-15370-01 Tumor virus lipids—Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- ** RO1CA-15389-01 Fate of RNA in malignant and normal cells (mice, Xenopus)
- ** RO1CA-15543-01 Structure of glycolipids in oncogenic cells (mice)
- ** RO1CA-15621-01 Structure of human plasma membrane glycoproteins (human)
- ** RO1CA-15626-01 Protooncogenes of normal and malignant cartilage (human, animals)
- ** RO1CA-15653-04 Biochemistry of amino sugars (bacteria)
- ** RO1CA-15694-01 Membrane phospholipid metabolism in tumors (human)
- ** RO1CA-15735-01 Metabolism and reducing equivalents in ascites tumor (mice)
- ** RO1CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
- ** RO1CA-15917-01 Nitrogen metabolism and plant neoplastic state
- ** RO1CA-15940-01 Determining sequences from hemoglobin messenger RNA
- ** RO1CA-16231-01 Role of proteolysis in malignant growth (human, rodents, viruses)
- ** RO1CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells)
- ** RO1CA-16318-01 Molecular mechanisms in resistance to folate analogues (mice)
- ** RO1CA-16319-01 Method for examining viral DNA changes for mutagenic and carcinogenic effects
- ** RO1CA-16327-01 Human biochemical genetics—Transfer RNA in leukemia
- ** RO1CA-16913-01 Processing of RNA in eucaryotic cells (HeLa cells, fungi)
- ** RO1CA-16914-01 RNA modifying enzymes in normal and neoplastic cells (rats, yeast)
- ** RO1CA-16936-01 Relationship between tRNA modification and cell growth (E coli, rats)
- ** RO1DE-01374-14 State of collagen in calcified tissues
- ** RO1DE-02301-08 Proteolytic enzymes in bovine dental pulp
- ** RO1DE-03433-03 Studies on proline-rich salivary proteins (human)
- ** RO1DE-03470-03 Protein turnover in dental pulp and periodontal tissues (cattle)
- RO1DE-03578-03 Mechanism of dextran biosynthesis by leuconostoc
- ** RO1DE-03731-01 Dextran sucrose of *Streptococcus sanguis*
- ** RO1DE-03774-01 Lipids of the salivary glands (rats)
- RO1EY-00244-13 Lipids in experimentally-induced cataracts (human, cattle, frogs)
- ** RO1EY-00343-09 Retinal metabolism (rats, cattle, cats, frogs, human)
- RO1EY-00529-04 Studies on visual pigments (chickens)
- ** RO1EY-00786-03 Role of tRNA in control of protein synthesis in lens (cattle, rats, rabbits)
- RO1GM-00091-29 Structure, function of enzymes—Role of metals (rat)
- ** RO1GM-04712-18 Mechanism of enzyme action
- ** RO1GM-05301-17 Metabolism of aromatic compounds (plants)
- ** RO1GM-06196-15 Genetic recombination and viral DNA synthesis
- RO1GM-06245-15 Chemistry of Krebs cycle enzymes (swine)
- ** RO1GM-07065-14 Biosynthesis of isoprenoid hormones (plants)
- ** RO1GM-07256-15 Chemical structure and enzyme activity of proteins (cattle)
- ** RO1GM-07261-14 Enzymatic, chemical reaction adenosine triphosphate (rats, cattle)
- RO1GM-07262-15 Nucleic acid chemistry (bacteria, yeasts)
- RO1GM-07581-13 Biosynthesis of deoxyribonucleic acid and membranes (bacteria, viruses)
- RO1GM-08647-13 Mechanism of messenger-RNA translation (microorganisms)
- ** RO1GM-08822-13 Mechanism of amylase action (bacteria, swine, protozoa)
- ** RO1GM-09042-13 Structural basis of ribonucleic acid specificity (mammals, bacteria)
- ** RO1GM-09410-12 Hemoproteins, lysozyme and insulin (human, horses)
- ** RO1GM-10287-12 Biological function of superoxide dismutase (plants, animals)
- ** RO1GM-10317-12 Biochemistry of sulfonium compounds (bacteria)
- ** RO1GM-10374-12 Chemistry of human glycoproteins and proteins
- ** RO1GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
- ** RO1GM-10791-12 Mechanism of biosynthesis of proteins (wheat, yeast, cattle, mice, E coli)
- ** RO1GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)
- ** RO1GM-11040-11 Mechanism of enzyme action (bacteria)
- ** RO1GM-11061-12 Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria)
- RO1GM-11094-12 Enzymic phosphorylations and related mechanisms (bacteria)
- ** RO1GM-11106-11 Biological oxidation mechanisms (bacteria)
- ** RO1GM-11764-09 Studies on pancreatic proteins (pigs, human)
- ** RO1GM-11839-11 Utilization of CO₂ and the total synthesis of acetate (bacteria)
- ** RO1GM-11946-12 Properties of transforming and infectious DNAs (microorganisms)
- ** RO1GM-12053-11 Biochemical control of macromolecular synthesis (E coli, phage)
- ** RO1GM-12395-10 Determination of transfer ribonucleic acid structure (yeasts)
- ** RO1GM-12551-10 Molecular mechanisms of biological control (bacteria)
- ** RO1GM-12573-10 Mechanism of action of cytotoxic drugs
- RO1GM-12805-10 Labeled RNA associated with nuclear ribosomes (liver cells, mammals)
- RO1GM-12934-10 Synthesis of infectious bacteriophage particles
- ** RO1GM-13116-09 Kinetic investigation of biochemical reactions
- ** RO1GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
- ** RO1GM-13762-09 Molecular basis of genetic control (rat, *Drosophila*, mold, sea urchin, toad)
- ** RO1GM-13863-09 Lipid metabolism (swine, primates)
- ** RO1GM-13957-08 Biosynthesis and biological function of polyamines (bacteria, cattle)
- ** RO1GM-13972-08 Polypeptide biosynthesis—Metabolic regulation (bacteria, rabbits, yeast)
- ** RO1GM-14013-06 Structure of carbohydrate prosthetic groups (rats)
- RO1GM-14108-09 DNA synthesis and genetic recombination in *B subtilis*
- ** RO1GM-14452-08 Chemistry and kinetics of lysozyme action (*Drosophila*, chickens, human)
- ** RO1GM-14927-08 DNA protein interactions in DNA replication control (T4 phage, slime mold)
- ** RO1GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)
- ** RO1GM-15122-07 Initiation and peptide synthesis in vitro (wheat)
- ** RO1GM-15142-06 In vitro synthesis of RNA (T4 bacteriophage)
- RO1GM-15188-08 Structure and mechanisms of action of enzymes
- ** RO1GM-15697-07 Molecular mechanisms of information transfer (E coli, T7 phage)
- ** RO1GM-15881-14 Enzymatic excision and repair mechanism
- RO1GM-15925-07 Recognition of tRNA by aminoacyl tRNA synthetases (E coli)
- RO1GM-16066-07 Nucleic acid chemistry and its biomedical application
- ** RO1GM-16282-06 Base-specific interactions of DNA (viruses, bacteria)
- ** RO1GM-16603-06 Chemical studies on pancreatic deoxyribonuclease
- ** RO1GM-16995-05 Protein-nucleic acid interactions
- ** RO1GM-17152-05 Multivalent repression—Mechanism and role of tRNA (bacteria)
- ** RO1GM-17421-05 Role of tRNA in cell regulatory mechanisms (bacteria, mammals)
- ** RO1GM-17506-03 Enzyme studies—Mechanism of action and evolution (scallops, chickens)
- ** RO1GM-17830-03 Clavine alkaloid biosynthesis (fungi)
- ** RO1GM-17924-04 Ribosome structure and function (E coli)
- ** RO1GM-17945-03 Differentiation of alkaline phosphatase isozymes (mice)
- ** RO1GM-18002-03 Intermediates in NAD-dependent dehydrogenases (rats, horses)
- ** RO1GM-18325-04 Chemical mechanisms of biosynthesis (enzymes)
- ** RO1GM-18326-04 Microenvironmental geometry of C-C lyase sites (*Pseudomonas*, E coli)
- M RO1GM-18405-04 Regulation and mechanism of cell surface synthesis
- ** RO1GM-18407-03 Beta-Keto-acyl carrier protein synthetase (E coli)
- ** RO1GM-18649-16 Enzymatic synthesis of precursors of DNA
- ** RO1GM-18673-03 RNA synthesis by *Azotobacter vinelandii*
- ** RO1GM-18760-03 RNA polymerase
- ** RO1GM-18760-03 Characterization of membrane lipoproteins (rats, cattle)
- ** RO1GM-18774-03 Physiological chemistry of polyenoic fatty acids (ciliates)
- ** RO1GM-18775-03 Factors controlling protein biosynthesis (E coli, bacteriophage T4)
- ** RO1GM-18776-03 Bacteriophage T4 morphogenesis and packing of DNA
- ** RO1GM-18796-03 Genetic code, protein synthesis in mammalian systems (rabbits)
- ** RO1GM-18819-03 Ca and Mg in maintenance of membrane transport (human)
- ** RO1GM-18955-06 Enzymology of nitrate assimilation (fungi, marine diatoms)
- ** RO1GM-18958-06 Mechanisms of phage RNA-stimulated protein synthesis
- ** RO1GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
- RO1GM-19056-03 Enzyme mechanisms for acyl transfer reactions (swine, human)
- ** RO1GM-19091-03 Metabolism and control of fatty acids (animals, bacteria)
- ** RO1GM-19097-03 Membrane structural protein of vesicular stomatitis virus
- ** RO1GM-19098-03 Genetic factors affecting protein-protein recognition (bacteria, human)
- ** RO1GM-19099-03 Functional sites on transfer RNA (E coli)
- RO1GM-19111-03 Peptidyl transferase recognition sites
- ** RO1GM-19195-02 RNA sequence analysis and base-specific antibodies
- ** RO1GM-19213-03 Mechanisms of desaturation of fatty acids (plants)
- RO1GM-19319-03 Structure of biological membranes (rats, human)
- RO1GM-19351-03 Biosynthesis of transfer ribonucleic acid (E coli)
- ** RO1GM-19442-03 Function and mechanism of DNA ligase (E coli)
- ** RO1GM-19506-02 Low molecular weight RNAs of CHO tissue culture cells (hamsters)
- RO1GM-19507-03 Application of immobilized enzymes in protein chemistry
- ** RO1GM-19508-03 Structures of aminoacyl-tRNA synthetases (E coli)
- ** RO1GM-19526-03 Active sites of enzymes (rabbits, fungi)
- ** RO1GM-19702-02 Biological significance of tRNA modifications (salmonella)
- ** RO1GM-19703-01 Role of methylation in DNA replication and repair (E coli mutants)
- ** RO1GM-19756-02 Polysomes and subunits structure function relationships
- ** RO1GM-19875-02 Enzymes of 2,3-diphosphoglycerate metabolism (human, rabbits, yeast)
- RO1GM-19948-05 Isocitrate dehydrogenase structure and activity (bacteria)
- ** RO1GM-19973-05 Biosynthesis of D-apiose and plant polysaccharides (plants)
- ** RO1GM-20184-10 Stereochemistry of enzymatic transamination (rats, chickens)
- ** RO1GM-20211-02 Protein/membrane function during sugar transport (*S. aureus*)
- ** RO1GM-20212-01 Mammalian cathepsin D (cattle, swine, human, rabbits, chickens)
- RO1GM-20311-06 Biosynthesis of ubiquinone (rats, bacteria)
- ** RO1GM-20316-01 Regulation of microsomal enzymes by phospholipids (Guinea rats, guinea pigs)
- ** RO1GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)
- RO1GM-20330-05 Regulatory mechanisms in isoleucine-valine synthesis (bacteria)
- ** RO1GM-20338-07 Histone biochemistry and the influence of hormones (rats)
- ** RO1GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)
- ** RO1GM-20501-01 Action of lipolytic enzymes (bacteria, protozoa, snake venom)
- ** RO1GM-20526-01 Role of sterols in membranes
- ** RO1GM-20594-02 Enzymatic modification of carbonyl residues in protein (rats, E coli, human)
- ** RO1GM-20626-02 Control and mechanism of protein chain termination (E coli, rats, rabbits, bears)
- ** RO1GM-20758-01 Prostaglandin dehydrogenase (cattle, rodents, human)
- ** RO1GM-20784-01 Regulation of RNA synthesis (*B. subtilis*, phages)
- ** RO1GM-20813-01 Role of DNA in DNA, RNA and protein synthesis (bacteria, viruses, HeLa cells)
- ** RO1GM-20817-01 Mechanisms of enzymatic catalysis (human, bacteria)
- ** RO1GM-20818-01 Regulation of ovalbumin synthesis in chick oviduct
- ** RO1GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- RO1GM-20940-11 Enzyme mechanisms of C-H bond activation (rabbits, yeasts)
- ** RO1GM-21095-01 DNA metabolism in eukaryotes (green algae)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Ornamented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01GM-21151-01 Recognition of normal and neoplastic tRNA by ribosomes (rats, yeast, E coli)
 ** R01GM-21168-01 The control, assembly and termination of proteins (viruses, bacteria, mice)
 ** R01GM-21258-01 Synthetic glycoproteins
 ** R01GM-21405-01 Modified nucleotides in mammalian tRNA (cattle, human, wheat, E coli)
 R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
 R01HD-00122-10 Comparative biochemistry of proteins (human, animals)
 ** R01HD-01233-19 Sites and reactants in amino acid transport (rabbits, rats, birds, bacteria)
 ** R01HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
 R01HD-02899-07 Primary and tertiary structure of proteins (human, chicken, cattle, pigs)
 ** R01HD-03521-06 tRNA and the differential control of RNA synthesis (bacteria)
 R01HD-04007-05 Synthesis of mitochondrial protein (rats, yeast)
 ** R01HD-04488-11 Biochemical systematic investigations
 R01HD-04608-06 Amino acid interrelations in human metabolic disease
 ** R01HD-05357-07 Physiological control of differentiation (fungi, amoeba)
 ** R01HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
 ** R01HD-05657-03 Proteins of human and bovine colostrum and milk (bacteria)
 ** R01HD-06477-03 Effect of thyroxine on tRNA metabolism of the brain (rats)
 ** R01HD-06525-04 Hormonal mechanisms regulating growth and development (human placenta)
 ** R01HD-06816-01 Transfer RNA changes induced by thyroid (*Xenopus laevis* embryo)
 ** R01HD-07190-03 Structure-function of steroid binding proteins (human)
 ** R01HD-07627-01 Role of transfer RNA in cellular aging (human)
 ** R01HD-07773-01 Beta-galactosidase activity related to mental retardation (human)
 ** R01HD-07889-01 Glycoprotein-glycolipid metabolism in spermatogenesis (mice)
 ** R01HD-07966-01 Physiological role of prostaglandins
 ** R01HD-08308-01 Aging and carbohydrates of fibroblasts (human)
 R01HD-08436-02 Estrogen receptors and reproductive function (rats)
 ** R01HD-08444-01 Relation of tRNA to protein errors in aging rat liver
 ** R01HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
 ** R01HL-02477-18 Biosynthesis and function of lipids (microorganisms)
 ** R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
 ** R01HL-03226-16 Enzyme catalytic mechanism studies (swine)
 ** R01HL-04219-16 Fatty acid biosynthesis (rats)
 R01HL-04442-16 Mitochondrial assembly and replication (fungi, mammals)
 ** R01HL-05791-14 Structure and function in hemoglobins (sheep, human)
 ** R01HL-08476-11 Binding of proteins to lipids and lipid hormones
 ** R01HL-08634-11 Enzymic cholesterol synthesis (rats, human)
 ** R01HL-08727-10 Nature and function of plasma lipoproteins (human, primates, rats)
 ** R01HL-09172-10 Protein and RNA synthesis in heart muscle (rats)
 ** R01HL-10406-09 Synthesis, metabolism and function of lipids (rats, bacteria)
 R01HL-10489-08 Enzyme studies of polyunsaturated acid metabolism (rats)
 ** R01HL-11201-08 The enzymology of angiotensin production (human, swine)
 ** R01HL-11551-07 RNA and protein synthesis in repair of heart injury (mice)
 ** R01HL-11552-07 Lipids and proteins in coagulation and myelination (human, rats, cattle)
 ** R01HL-11553-06 Chemistry of electron-transfer proteins (mammals)
 ** R01HL-11680-08 Amino acids, polypeptides and related compounds (rats)
 ** R01HL-11768-06 Hypocholesterolemic agents—A biochemical approach (yeast, rats)
 ** R01HL-12236-06 Biological synthesis of protein (human, mammals)
 ** R01HL-12381-06 Membrane lipids—Biosynthesis and function (rat liver)
 R01HL-12549-06 Peptide bond formation and hemoglobin synthesis (rabbits)
 M R01HL-12745-06 Enzymes and inhibitors of cholesterol biosynthesis
 ** R01HL-12872-05 Regulation of triterpene alcohol biosynthesis (protozoa)
 R01HL-13160-04 Specific labeling and sequencing of human thrombin
 R01HL-13293-03 Regulation and control of hemoglobin synthesis (rabbits)
 ** R01HL-13630-04 Control of glycogen synthesis in heart (cattle)
 R01HL-14521-04 Membrane structure and behavior in erythrocytes (human, cattle)
 ** R01HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
 ** R01HL-14865-02 Biochemical studies on the pathogenesis of emphysema
 ** R01HL-14924-01 Purification and characterization of human plasma Lcat
 ** R01HL-15309-02 Normal and variant human alpha 1-antitrypsin
 R01HL-15376-03 Intermediary metabolism of sterols (rats)
 ** R01HL-15585-02 Membranous enzymes—Involvement with phospholipids (E coli, rats)
 R01HL-15930-02 Hormonal control of lipid and lipoprotein synthesis (rats, chickens)
 ** R01HL-15963-01 Lipid metabolism—Plasma and membrane lipoproteins (human)
 ** R01HL-15979-02 Elastase, serum inhibitors and the vasculature (human, swine)
 ** R01HL-16114-01 Rosin—Purification, characterization and assay (human, swine)
 ** R01HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)
 ** R01HL-16628-01 Regulation of lipid metabolism (mammals)
 M R01HL-16634-09 Regulation of metabolism in fibroblasts and platelets
 ** R01HL-16880-01 Alpha 1 antitrypsin pulmonary function and chemical structure (human)
 ** R01HL-16920-01 Proteinases in normal and immunologically injured lung (guinea pigs, rabbits)
 ** R01NS-01572-17 Amino acid metabolism and aromatic amines (human, rats)
 R01NS-01575-16 Biosynthesis and metabolism of galactolipids (human, rats)
 R01NS-03101-14 Phospholipids of the nervous system (animals)
 ** R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
 ** R01NS-04270-12 Molecular neurobiology—Proteins of the nervous system (rodents, snakes)
 ** R01NS-04834-11 Nervous system gangliosides (human, fish, chickens, rabbits)
 ** R01NS-06370-08 Chemistry of glycolipids (frogs, human, rats)
 R01NS-07156-09 Enzyme theory and relationship to function (mice)
 ** R01NS-08258-06 Complex glycolipids of brain and related systems (human, rats, cattle, plants)
 ** R01NS-08528-06 Brain metabolism and systemic disease (rats, mice)
 ** R01NS-08719-06 Biochemical studies of myelination (human, cats, rats)
 ** R01NS-08990-04 Metabolism of sphingosine and beta-ecdysone (crayfish)
 R01NS-09283-05 Polyribosomes in human dystrophic muscles
 ** R01NS-09541-04 Metabolism of glycosphingolipids (human, mammals, chick embryo)
 ** R01NS-09626-04 Glycosidases related to sphingolipidoses (primates, plants, rabbits, human)
 ** R01NS-09639-04 Enzyme systems in the brain (cattle, human)
 ** R01NS-09910-03 Hexokinase forms in developing brain (rats)
 ** R01NS-10013-02 Phospholipid biosynthesis in developing brain (rats, pigs)
 ** R01NS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
 ** R01NS-10278-03 Enzymatic synthesis of plasmalogens in heart and brain (rats)
 ** R01NS-10541-03 Biochemistry of lipids of brain and other tissues (rats)
 ** R01NS-10698-01 Beta-galactosidase isoenzymes (human)
 ** R01NS-11456-02 Axonal glycoproteins and glycosaminoglycans (goldfish, garfish)
- PHYSIOLOGY (GENERAL)***
 SEE ALSO ELECTROPHYSIOLOGY
 SEE ALSO NEUROPHYSIOLOGY (GENERAL)
 SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
 P01AM-08681-09 0018 Diseases of liver and portal circulation - Fulminant hepatic failure (dogs)
 ** R01AM-16611-01 Determine the physiological role of silicone (chickens, rats, human)
 ** R01AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks
 N01AM-22225-02 Computerized data bank to assess adequacy of dialysis
 ** P02CA-12197-03 0030 Multidisciplinary oncology research center - Pathophysiology of the leukocyte (human)
 ** R01CA-14532-02 Pathophysiology of leukemia in guinea pigs
 R01DA-00127-02 A study of chronic marijuana inhalation (dogs)
 P01DA-00254-03 0002 Drug abuse basic research center - Self-administration of drugs by Rhesus monkeys
- P01DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man
 ** R01DA-00741-01 Physiologic factors in oral drug therapy of addiction
 N01DA-20208-05 Behavioral research paradigm for study of opiate antagonists (human)
 M R01DE-02152-09 Dental physiology and biophysics
 R23DE-03806-01 Physiology of feeding in miniature pigs
 ** R01EY-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
 R01EY-01224-01 Endocrine and physiological parameters in glaucoma
 R13GM-20617-01 Molecules and cell movement—A symposium (California)
 N01GM-40044-15 0017 SUPPORT FOR SUBCOMMITTEE ON BIOCHEMICAL NOMENCLATURE
 ** R01HD-07966-01 Physiological role of prostaglandins
 P01HL-09814-09 0014 Research program—Cardiovascular and related disease - Nutrition studies (human)
 R01HL-15454-02 Quantification of intrathoracic fluid by impedance
 ** N01HR-22941-02 Physiological study of cynomolgus monkeys
 N01HW-22949-02 Reduction of myocardial injury after coronary occlusion (human)
 N01HW-32966-02 Development and evaluation of artificial heart (cattle)
 R01LM-01842-02 Preparation of biography of Walter Bradford Cannon
 ** N01MB-34131-01 Course of study in physiology and pathophysiology
 R01NS-11163-01 Physiology of a neuroendocrine system
 ** P07RR-00007-11 0344 Computer processing in biomedical systems - Physiological data for on-line computer analysis
 ** P07RR-00007-11 0348 Computer processing in biomedical systems - Computer-generated display
 M01RR-00039-14 0080 General clinical research center - Physiological effects of intestinal by-pass surgery (human)
 P07RR-00374-07 Support for physiology and biophysics computer
 ** M01RR-00628-04 0061 General clinical research center for children - Organ function in sickle cell disease
- PHYSIOLOGY STUDY SECTION**
 ** R01AM-02217-15 Mechanism of renal tubular and intestinal transport (dogs, rats, hamsters)
 ** R01AM-02306-16 Ionic interactions in electrolyte metabolism (toads)
 ** R01AM-03602-15 Utilization of substrates by the kidney in vivo (dogs, rats)
 R01AM-03858-14 Control of water and solute movement across cell
 ** R01AM-04679-14 Blood flow and absorption in the ruminant stomach (cattle)
 ** R01AM-05077-13 Renal tubular reabsorption of sodium and water (dogs)
 ** R01AM-05736-13 Intestinal absorption—Transport mechanisms (dogs, bacteria)
 ** R01AM-05865-11 Ion transport across biological membranes (frogs)
 ** R01AM-06700-12 Absorption by intestinal mucosa in vitro (dogs, rabbits)
 ** R01AM-06958-11 Coordination of visceral smooth muscle activity (cats, rabbits)
 ** R01AM-09280-10 Gastrointestinal absorption in the herbivore (ruminants)
 ** R01AM-09768-09 Proximal renal tubular fluid transport in vitro (rats)
 ** R01AM-10101-09 Effects of acid-base changes on renal metabolism (dogs, rats)
 ** R01AM-10141-09 Mechanism of H and Cl transport of gastric mucosa (swine, frogs)
 ** R01AM-10420-09 Active transport of organic bases by the renal tubules (chick embryo, rats)
 ** R01AM-10508-09 Ontogeny of osmotic and ionic regulation (frogs, salamanders)
 ** R01AM-10532-08 Intracellular reactions in contracting muscles (amphibians, barnacles)
 ** R01AM-10551-09 Analysis of cellular calcium compartments in muscle (rabbits)
 ** R01AM-11489-08 Ion and water transport across renal tubules (rats)
 ** R01AM-12619-07 Active sugar transport in renal cells (rats, rabbits)
 R01AM-12715-06 Ion transport in small intestine (frogs)
 ** R01AM-12768-06 Intestinal motility—Myogenicity neural control (cats, guinea pigs, rabbits)
 ** R01AM-12904-06 Micropuncture study of the neonatal kidney (guinea pigs)
 ** R01AM-13113-06 Electrolyte transport in single nephrons (rats)
 ** R01AM-13182-06 Active transport in epithelia (frogs, rabbits)
 ** R01AM-13240-06 Intestinal transport of short-chain fatty acids (rats)
 ** R01AM-13415-06 Biological transport of ions (dogs)
 ** R01AM-13476-05 Mechanisms of transport in isolated kidney tubules (human, rabbits)
 ** R01AM-13484-05 Solute water transport across membranes (frogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-13844-05 Functional structure of renal tubule (dogs, neoturus)
- ** R01AM-13888-05 Control of fluid absorption by the mammalian nephron (rats, rabbits)
- R01AM-13953-04 Correlation of ion transport with metabolism (turtles)
- ** R01AM-14241-04 Renal handling of proteins—Renin release (rats)
- ** R01AM-14264-05 Cation transport in erythrocytes and the kidney (rats)
- ** R01AM-14485-03 Work and muscle energetics (frogs)
- ** R01AM-14677-04 Transport properties of isolated perfused nephrons (rabbits)
- ** R01AM-14752-04 Intracellular reactions in gastric mucosa (bullfrogs)
- ** R01AM-14990-03 Sugar and electrolyte absorption in intestine (rabbits)
- ** R01AM-14991-03 The excretion of uric acid (birds)
- ** R01AM-14993-04 Structure and function in transporting epithelia (squid)
- ** R01AM-15175-05 Water and electrolyte transport in the bladder (toads)
- R01AM-15258-05 Physiological regulation of small gut secretion (dogs)
- ** R01AM-15350-03 Mechanisms of intestinal secretion (rats, rabbits, guinea pigs)
- ** R01AM-15365-04 Mechanism of sodium-dependent metabolite transport
- ** R01AM-15450-03 Studies on mammalian collecting duct function
- ** R01AM-15533-03 Function of the glycocalyx in muscle (rats)
- ** R01AM-15534-02 Prostaglandin and calcium interactions on sodium transport (anurans)
- ** R01AM-15660-03 Renal control of the excretion of urea (rats, gerbils)
- R01AM-15672-02 Pancreatic secretion of salts and enzymes in vitro (rats, rabbits)
- ** R01AM-15745-02 Amino acid transport systems in intestine (chickens)
- ** R01AM-15807-02 Mathematical models of membrane processes (frogs, ascites)
- ** R01AM-15858-03 Compartmental analysis of pancreatic ion secretion (rabbits)
- ** R01AM-15878-02 Enzymic basis of acid secretion (mammals)
- ** R01AM-15926-02 Ion transport by gastrointestinal epithelia (rabbits, human)
- ** R01AM-15972-03 Excretory and osmoregulatory mechanics (reptiles, mammals, fish, amphibians)
- ** R01AM-15973-03 Physiology and morphology of cell transport (human, rats, mice, birds, fish)
- ** R01AM-15977-03 Relationship between gastric secretion and blood flow (dogs)
- ** R01AM-16024-03 Mechanisms of active and passive solute transport (frogs)
- ** R01AM-16244-07 Renal lymph and renal function (dogs)
- ** R01AM-16275-02 Ion transport by mammalian small intestine (rabbits)
- ** R01AM-16294-02 Regulation of individual nephron filtration rates (birds)
- ** R01AM-16315-19 Muscular contraction (rats, frogs)
- ** R01AM-16386-02 Mechanisms of fat and steroid absorption by gut (mammals)
- ** R01AM-16483-01 Purification of active fragments of the sodium pump
- ** R01AM-16528-03 The activation mechanism of skeletal muscle (frogs)
- ** R01AM-16586-01 Transport and the intracellular fluids (*Drosophila*, chironomidae, toad)
- ** R01AM-16601-01 Intestinal lipid absorption
- ** R01AM-16638-02 Studies of uremia and exchanges of ions and water
- ** R01AM-16663-03 Electrophysiology of skin and kidney tubules (frogs, rabbits)
- ** R01AM-16775-02 Sources of energy for renal sodium transport (rats)
- ** R01AM-16898-02 Electronprobe microanalysis of nephron function (rats)
- ** R01AM-16922-02 Structure and function of sarcoplasmic reticulum (rabbits)
- ** R01AM-16990-01 Secretion of proteins and ions by the pancreas
- ** R01AM-17062-01 Regulation of muscular contraction—A comparative study
- ** R01AM-17081-01 CA02 release from sarcoplasmic reticulum (frogs)
- ** R01AM-17163-01 Viscoelastic properties of muscle (frogs)
- ** R01AM-17238-01 Gastrins, neurotransmitters and antral smooth muscle (human, mammals)
- ** R01AM-17315-01 Conductance pathways in acute gastroduodenal injury (Neoturus)
- ** R01AM-17336-01 Mechanism of heat production during cold adaptation (mice)
- ** R01AM-17361-01 Gut sugar transport—Electrophysiology and energetics
- ** R01AM-17372-01 Regulation of extracellular transepithelial transport
- ** R01AM-17414-01 Molecular aspects of NA-coupled transport
- ** R01AM-17568-01 Epithelial organization of urinary acidification (turtles)
- ** R01AM-17574-01 Fluxes across biomembranes and peptide hormone action (rats)
- ** R01AM-17575-01 Anionic transport in proximal tubule
- ** R01AM-17616-01 Interactions of the intestinal starting forces
- ** R01AM-17632-01 Neurophysiological control of GI motility (guinea pigs, rats, rabbits)
- ** R01AM-17750-01 Functional organization of the intestinal brush border (guinea pigs, mammals)
- ** R01AM-17793-04 Relation of potassium, metabolism, hormones to cell pH (rats)
- ** R01CA-06734-12 Mechanisms of solute transport in animal cells (rats)
- ** R01CA-10917-06 Phosphate transport and metabolism in carcinoma cells (mice)
- R01CA-12956-03 Permeability of leukocyte and neoplastic cell (human)
- ** R01CA-13529-02 Amino acid transport in normal and neoplastic cells (rats)
- ** R01EY-00222-14 Visual mechanisms (arthropods)
- ** R01EY-01297-01 Physiology and pharmacology of extracellular muscles
- ** R01GM-03545-20 Metabolism and active ion transport in frog skin
- ** R01GM-14772-07 Water transport across epithelial membranes (rabbits)
- ** R01GM-14907-07 Membrane excitation and contraction coupling in muscle (crayfish)
- ** R01GM-15152-07 Permeability of membranes
- ** R01GM-15692-07 Red cell ion transport and lipid bilayers (human, dogs, flies)
- ** R01GM-15858-07 Membrane potential and active transport in *Neurospora*
- ** R01GM-16714-06 Homeostasis in mammalian hibernation (hamsters, ground squirrels)
- ** R01GM-19548-03 Regulation of nuclear-cytoplasmic solute transport (salamanders)
- ** R01GM-21342-01 Channel-mediated ion transport across lipid bilayers
- ** R01HD-00378-17 Bioelectric properties of uterine smooth muscle (rats, cats, frogs)
- ** R01HD-03891-06 Quantitative histochemistry of developing organs (rats)
- ** R01HD-05093-12 Ion transport during development of *Rana pipiens* eggs
- ** R01HD-06074-01 Contraction of uterine and intestinal smooth muscle
- ** R01HD-06963-09 Properties of smooth muscle (rats)
- ** R01HL-00082-25 Clinical and experimental research in respiration (hamack, rats)
- ** R01HL-01646-24 Lungs in head injury—Regional brain blood flow and Po₂ (mammals)
- ** R01HL-01974-20 Ion-pump in the erythrocyte (rabbits, guinea pigs)
- ** R01HL-02228-19 Water metabolism, temperature regulation, and exercise (animals)
- ** R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
- ** R01HL-03212-17 Myocardial physiology (rabbits, cats)
- ** R01HL-04457-16 Cellular aspects of active transport (fish)
- ** R01HL-04741-15 Central nervous control of cardiovascular function (primates)
- ** R01HL-04868-14 Physiological studies on the isolated perfused kidney (rabbits)
- R01HL-07723-11 Cardiac function and venous pressure control in shock (dogs)
- ** R01HL-09719-10 Dispersion of diffusible indicators in the body (human, cats, dogs)
- ** R01HL-09906-09 Membrane transport processes in red blood cells (human, dogs, sheep)
- R01HL-10185-08 Regulation of renal medullary circulation (rodents, dogs)
- ** R01HL-10331-09 Carbon monoxide production and body CO stores (human, dogs)
- ** R01HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
- ** R01HL-10861-08 Microvascular research (bats, rabbits)
- ** R01HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
- ** R01HL-11155-08 Conduction in the myocardium (animals)
- ** R01HL-12174-07 Ventilation perfusion distribution in the lung (human, animals)
- ** R01HL-12426-06 Voltage clamp of cardiac muscle (frogs)
- R01HL-12556-06 Comparative cardiovascular physiology (animals)
- ** R01HL-12607-06 Blood flow impedance in regional vascular beds (dogs)
- ** R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- ** R01HL-12792-05 Local control of the microcirculation (hamsters, rats)
- ** R01HL-12824-04 Excitation-contraction coupling in myocardium (dogs)
- ** R01HL-13010-05 Properties of the sarcotubular system (frogs)
- ** R01HL-13029-05 Metabolic regulation of sugar transport (pigeons)
- ** R01HL-13033-05 Neural cardiovascular control (dogs, monkeys)
- ** R01HL-13237-04 Erythrocytes during early development (human, animals)
- ** R01HL-13256-05 Amino acid transport by red cells (pigeons)
- ** R01HL-13349-05 Analysis of activation process in heart muscle (guinea pigs, rabbits, human)
- R01HL-13513-03 Use of cell inhomogeneity to understand cation fluxes (dogs)
- R01HL-13810-03 Simultaneous measurement of cell pH by two methods (rats)
- ** R01HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
- ** R01HL-13893-03 Marine physiology—The osmotic effect of gases on water
- ** R01HL-13924-03 Mode of action of acetylcholine (rabbits, cats)
- ** R01HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
- ** R01HL-14125-03 Ionic currents of cardiac muscle (frogs)
- ** R01HL-14328-03 Physiological regulation of ion transport and volume (human)
- ** R01HL-14329-03 Circulation in adipose tissue (dogs)
- ** R01HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
- ** R01HL-14523-04 Generation and regulation of force in smooth muscle (animals)
- ** R01HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
- ** R01HL-14547-06 Contractile proteins of muscle (cats, swine)
- ** R01HL-14548-16 Control of activity in cardiac and smooth muscle (frogs)
- ** R01HL-14640-03 Fluid exchange through capillary walls (birds)
- R01HL-14641-09 Phosphate metabolism in transport (human)
- ** R01HL-14669-03 Local control of peripheral vascular tone (dogs)
- ** R01HL-14784-03 Micropuncture studies on the mammalian renal medulla (rats)
- ** R01HL-14806-15 Regulation of oxygen use by mammalian skeletal muscle (dogs)
- ** R01HL-14820-02 Factors affecting physiology of biological membranes (human)
- ** R01HL-14822-03 Regulation of blood flow (fish)
- ** R01HL-14835-02 Capillary, permeability and morphology (rabbits)
- ** R01HL-14843-01 Respiratory muscle afferents in respiratory control (cats)
- ** R01HL-15038-03 Computer assisted study of CO₂ control of ventilation (rats)
- ** R01HL-15311-02 Development of Hering-Breuer reflexes (opossum)
- ** R01HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
- ** R01HL-15390-08 Regulation of blood flow in the microcirculation
- R01HL-15393-01 Structure and function of sarcoplasmic reticulum
- ** R01HL-15422-07 Hormonal control of mesenteric blood flow (cats)
- ** R01HL-15655-01 Blood flow and gas exchange in placenta and lungs (mammals, human)
- ** R01HL-15680-02 Intestinal secretion-capillary and tissue forces (dogs)
- ** R01HL-15692-02 Control of force development in heart and muscle (frogs)
- ** R01HL-15829-01 Regulation of vascular smooth muscle contractility
- ** R01HL-16010-12 Cellular basis of cardiac contractility (frogs)
- ** R01HL-16082-01 Tension regulation in heart and skeletal muscle
- ** R01HL-16157-01 Airway structure and lung function
- ** R01HL-16348-01 Ion transport thru membranes and cell acid-base state
- ** R13HL-16410-01 Gordon conference on cardiac and skeletal muscle
- ** R01HL-16417-01 Extrinsic fluorescence and membrane potentials
- ** R01HL-16604-01 Function of pulmonary chemosensitivity (chickens, ducks)
- ** R01HL-16606-07 Force, velocity and sarcomere length in muscle (frogs)
- ** R01HL-16666-01 Micropinocytosis in isolated capillary endothelium
- ** R01HL-16716-01 Analysis of a vascular heat exchanger (tuna)
- ** R01HL-17689-02 Neurophysiologic studies of respiratory control (cats)
- ** R01NS-00021-26 Comparative neurophysiology (animals)
- ** R01NS-00031-25 Physiology and pharmacology of brain stem (cats, rats)
- ** R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- ** R01NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-02567-15 Problems of nerve cell physiology (human, cats, monkeys)
- ROINS-02606-15 Neurosecretion and endocrine physiology (crustaceans)
- ** ROINS-02619-15 Studies on motor control (cats)
- ** ROINS-02944-14 Neural organization in ganglia (crayfish)
- ** ROINS-02957-14 Suprasegmental influences on spinal motoneurons (baboons)
- ** ROINS-03266-13 Neural mechanisms of sensory modalities (cats, rats)
- ** ROINS-03273-13 Studies on cell interconnections (rats, mice)
- ** ROINS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
- ** ROINS-03728-11 Generation and role of bioelectric activity (animals)
- ** ROINS-03970-12 Neural basis of respiratory and vasomotor activity (cats)
- ** ROINS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- ** ROINS-04989-11 Integration of sensory input (clams, crayfish)
- ** ROINS-05188-11 Ion movements and permeability of axon membranes (annelids, frogs, rats)
- ** ROINS-05423-10 Neural basis of behavior (crayfish)
- ** ROINS-05934-09 Basic neural mechanisms (slugs)
- ** ROINS-06478-09 Transduction and encoding in mechanoreceptors (cochlea)
- ** ROINS-06545-09 Biophysical cytology of cultured neural tissues (human, mice, chick embryo)
- ** ROINS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- ** ROINS-06672-09 Studies on single neuron activity (dogs, amphibians, cats, rabbits)
- ** ROINS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
- ** ROINS-07072-08 Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils)
- ** ROINS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)
- ** ROINS-07442-08 Physiology of synapses in normal and mutants
- ** ROINS-07474-07 Electrical and contractile properties of muscle (squid)
- ** ROINS-07595-06 Structure and function in peripheral nerve (lobsters, garfish)
- ** ROINS-07609-07 Integrative mechanisms of cortical neurons (rabbits, frogs)
- ** ROINS-07626-13 Tracer fluxes and net fluxes across cell membranes (squid)
- ** ROINS-07702-11 Chemistry and function in the central nervous system (rabbits)
- ** ROINS-07726-08 Sensory cortex (primates, opossum, hedgehog)
- ** ROINS-07734-06 Electrical excitation in giant axons (electric fish, squid)
- ** ROINS-07740-07 Receptor desensitization in muscle (mice, frogs)
- ** ROINS-07767-06 Pacinian receptors and vasomotor regulation (cats, dogs)
- ** ROINS-08174-06 Molecular properties of ionic permeability in nerve (frogs)
- ** ROINS-08221-06 Role of cerebellum in control of movement (cats, monkeys)
- ROINS-08281-04 Correlation of structure and function in muscle (squid, shrimp)
- ** ROINS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
- ** ROINS-08346-07 Long-term interactions of neurons and glia (necturus, crustaceans)
- ** ROINS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)
- ROINS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
- ** ROINS-08443-06 Peripheral and central modulation of specific neurons (Aplysia)
- ** ROINS-08444-06 Post-synaptic electroplaque membrane (eel)
- ** ROINS-08550-11 Denervated skeletal muscle-Biophysics (rats, chickens)
- ** ROINS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
- ** ROINS-08610-04 Neural activity and behavior (barnacles)
- ** ROINS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
- ** ROINS-08869-04 Physiology of the central nervous system (Limulus)
- ** ROINS-08951-06 Permeability mechanisms in excitable membranes (squid)
- ** ROINS-08996-05 Peripheral and central studies of neural organization (insects)
- ** ROINS-09012-05 Microneurophysiology (animals)
- ** ROINS-09050-04 Neuronal control of locomotion and neuronal ontogeny (animals)
- ** ROINS-09074-05 Generation of neuronal output patterns (crickets)
- ** ROINS-09083-04 Behavioral neurophysiology (locust)
- ** ROINS-09546-04 Physiology and bioluminescence (hydroids)
- ROINS-09632-03 Transmitter release in a central nervous system (sea lamprey)
- ROINS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)
- ** ROINS-09661-05 Organization of the nervous system (lamprey)
- ** ROINS-09696-04 Neural control of discrete behavioral processes (snails)
- ROINS-09746-04 Vagal effects on cortical PT-neuron activity (cats)
- ** ROINS-09931-05 Ion permeation through carriers, channels and nerve
- ROINS-09948-03 Transport of materials by the choroid plexus (cats, rabbits)
- ** ROINS-09957-03 Postural regulation of loaded crayfish abdomen
- ** ROINS-10033-04 Neural membrane activity-Related structural changes (snails)
- ** ROINS-10311-03 Cerebellar cerebral interactions (monkeys)
- ** ROINS-10320-02 Transmitter release by nerve terminals (frogs, crayfish)
- ** ROINS-10327-03 Stimulus-response coupling in contractile cells (frogs, crabs, protozoa)
- ** ROINS-10336-03 Components controlling behavior (coelenterates, insects)
- ** ROINS-10349-03 Neurotrophic influence on muscle (rabbits)
- ** ROINS-10367-03 CNS regulation of body temperature in heterotherms (birds)
- ** ROINS-10500-02 Biochemical probes of excitable membranes (crayfish)
- ** ROINS-10605-01 Sensory control of feeding (black blowfly)
- ** ROINS-10705-02 Cerebral cortical control of movement (cats, monkeys)
- ** ROINS-10825-01 Growth of identified neurons-Effect of deprivation
- ** ROINS-10919-02 Calcium movements during E-c coupling in muscle (barnacles)
- ROINS-11050-02 Functional significance of cerebrospinal fluid (hagfish, skate, sharks)
- ** ROINS-11163-01 Physiology of a neuroendocrine system
- ** ROINS-11223-02 Regulation of ionic specificity of the sodium pump (squid)
- ** ROINS-11268-01 Mechanism of spinal shock (cats)
- ** ROINS-11429-01 Metabolic regulation of membrane permeability (mollusks)
- ** ROINS-11452-01 Mechanism of chemoreception
- ** ROINS-11458-01 Neurophysiologic studies of respiratory control (mammals)
- ** ROINS-11481-01 Neurotrophic influences on developing muscle
- ** ROINS-11513-01 Neural mechanism of mutant phenotypes (Drosophila)
- ** ROINS-11518-01 Motor unit organization during locomotion (cats)
- ** ROINS-11555-01 Synaptic organization of identified neural network (mollusks)
- ** ROINS-11588-01 Bio-assay of nerve trophic substances
- ** ROINS-11676-01 Time dependent phenomena in claimed excitable membranes
- ** ROINS-11695-01 Factors in reflex motor control (cats)
- ** ROINS-11704-01 Thermoregulatory and osmoregulatory responses (fish, reptiles, birds, dogs)
- ** ROINS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- ** ROINS-12033-01 Behavior and physiological thermoregulation (rats)
- ** ROINS-12039-01 Excitation contraction coupling in skeletal muscle (mytilus)
- ** ROINS-12040-01 Sensory control of feeding
- PHYSIOLOGY (APPLIED) AND BIOENGINEERING STUDY SECTION**
- ** ROIAM-03865-15 Structure and physical properties of bone (human)
- ROIAM-08311-10 Obesity and physiological response to environment (human)
- ROIAM-08893-10 Mechanisms responsible for ligamentous strength (animals)
- ** ROIAM-10763-07 Ocular control systems for orthotics (human)
- ** ROIAM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- ** ROIAM-15216-04 Molecular basis of joint lubrication (cattle, human)
- ** ROIAM-16237-01 Acclimation to water restriction (mice)
- ** ROIAM-16293-01 Constitutive equations for soft tissues (rats)
- ** ROIAM-16612-01 Bioelectric phenomena in bone (human, dogs)
- ** ROIAM-16625-01 Effect of delayed internal fixation on fracture healing
- ** ROIAM-16703-01 Heat acclimation in Macaca mulatta
- ROIAM-16805-01 Structure, biomechanics and bone (apes, human)
- ** ROIAM-16831-01 Physical exercise and lipoprotein lipase activity (rats)
- ** ROIAM-16869-01 Biomechanics of cervical spine injury
- ** ROIAM-17083-01 Muscle water and electrolytes during dehydration (human)
- ** ROIAM-17149-01 Bioengineering three-dimensional spinal analysis (human)
- ** ROIAM-17150-01 TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys)
- ** ROIAM-17357-01 Effect of exercise on adipose tissue cellularity (rats)
- ** ROIAM-17359-01 Enhancement of articular cartilage repair (mammals)
- ** ROIAM-17408-01 Laxity in normal, arthritic and prosthetic knee joints (human)
- ** ROIAM-17432-01 Quantitated function correlated with physical impairment
- ** ROIAM-17482-01 Effect of joint motion on articular cartilage (dogs)
- ** ROIAM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)
- ** ROIAM-17614-01 Quantification of bone stresses during remodeling (rabbits)
- ** ROIAM-17666-01 Adaptations induced by exercise training (rats)
- M POIES-00354-07 Human responses to thermal environment
- ** ROIGM-19716-01 Thermoregulation (chickens)
- ROIGM-20201-02 Structural and mechanical properties of spine (human)
- ROIGM-20370-02 Noninvasive sensing of subcutaneous temperatures (human, mammals)
- ** ROIGM-21430-01 Electrocutaneous feedback for artificial limbs (human)
- ** ROILD-04675-03 Nature of growth in the non-pubescent child
- ** ROILM-05883-14 Reflex control of resistance and capacitance vessels
- ROILM-06143-14 Response of the totally denervated heart to exercise (dogs)
- ** ROILM-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
- ** ROILM-09676-09 Thermal regulation during water immersion of man
- ** ROILM-11884-05 Work function after myocardial infarction (human)
- ROILM-12038-07 Vascular responses to heat (cats, sheep)
- ** ROILM-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
- ** ROILM-12231-06 Intracellular response to acid-base changes (dogs, rats)
- ** ROILM-12564-05 Control of respiration and blood gases (human)
- ** ROILM-13205-04 Nutrition and exercise in obesity and heart disease (human, mammals)
- ROILM-13233-05 Regulation of respiration in exercise (human)
- ** ROILM-13443-03 Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits)
- ** ROILM-13841-13 Respiration during altitude acclimatization (goats, human)
- ** ROILM-13950-02 Effect of procedures on ischemic limb O₂ and blood flow (dogs)
- ** ROILM-14801-02 Synergistic effects of oxygen and hydrostatic pressure (rats)
- ROILM-14828-03 Cardiac adaptation to physical training (dogs)
- ROILM-15469-01 Human ventilatory adaptation to moderate hypoxemia
- ROILM-15473-01 Chemoreceptors and ventilatory control (horses)
- ** ROILM-15498-02 Effects of physical training on heart (rats)
- ** ROILM-15620-01 Symptomatic treatment of asthma by relaxation
- ** ROILM-15663-02 Electrocardiographic exercise standards for women
- ** ROILM-16390-01 Cardiopulmonary control coupling in exercise (dogs)
- ** ROILM-16653-01 Respiratory control and body temperature (turtles)
- ** ROILM-16855-01 Cavitation in biological systems
- ROINS-09462-02 Objective measurements of neuromotor specificity (human)
- ** ROINS-09960-03 Biophysics of muscular exercise (human)
- ** ROINS-10423-01 Significance of muscle fiber types (guinea pigs, cats, bushbaby)
- ** ROINS-10716-01 Muscular dystrophy-Alterations mediated by exercise (hamsters)
- ** ROINS-10783-03 Segmental reflexes mediated by joint afferent neurons (cats)
- PHYSOSTIGMINE**
SEE BENZOPYRROLES, PHYSOSTIGMINE
- PHYTANIC ACID**
SEE FATTY ACIDS, PHYTANIC ACID
- PHYTANIC ACIDEMIA**
SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY, REFSUM'S SYNDROME
- PHYTASE**
SEE PHOSPHOMONESTERASES, PHYTASE

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PHYTOACTIN

SEE ANTIBIOTICS, PHYTOALEXINS

PHYTOAGGLUTININS

SEE PROTEINS, LECTINS

PHYTOALEXINS

SEE ANTIBIOTICS, PHYTOALEXINS

PHYTOMITOGENS

SEE PROTEINS, LECTINS

PHYTOMONAS

SEE BACTERIA, PSEUDOMONADALES, PHYTOMONAS*

PHYTOSPHINGOSINE

SEE SPHINGOSINE, PHYTOSPHINGOSINE

PHYTOTOXICOSIS

SEE TOXICOLOGY, PLANT POISONING

PHYTOTOXINS

SEE TOXICOLOGY, PLANT POISONS

PI COMPLEXES

SEE CHEMICAL AGGREGATES, PI COMPLEXES

PICHINDE VIRUS

SEE VIRUSES, ARENAVIRUSES TACARIBE, PICHINDE

PICK'S DISEASE

SEE BRAIN DISORDERS, CEREBRAL ATROPHY DIFFUSE, PRESENILE DEMENTIA

PICODNAVIRUSES

SEE VIRUSES, PICODNAVIRUSES

PICORNAVIRUSES

SEE VIRUSES, PICORNAVIRUSES

PICROTOXIN

SEE TOXICOLOGY, PLANT POISONS, PICROTOXIN

PICTORIAL DATA PROCESSING (COMPUTER)

SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

PIGEONS

SEE BIRDS, PIGEONS*

PIGMENT CELL NEOPLASMS, MELANOMA

SEE ALSO CONGENITAL ABNORMALITIES, SKIN, NEVUS PIGMENTED

- P01AM-08445-10 0008 Biology of skin of man and other primates - Immunological study (mice)
- ** P01AM-08445-10 0013 Biology of skin of man and other primates - New inhibitor for melanoma cells (mice)
- ** P01AM-08445-10 0018 Biology of skin of man and other primates - Effect of 5-bromodeoxyuridine on melanoma cells (mice)
- ** P01AM-08445-10 0019 Biology of skin of man and other primates - The ultrastructure of amelanotic melanoma (mice)
- ** P01AM-08445-10 0020 Biology of skin of man and other primates - Hormone effects on melanoma cells (mice)
- R10CA-02599-20 Acute leukemia group B (human)
- R10CA-02824-19 Eastern cooperative oncology group
- ** R10CA-03013-18 Southeastern cancer chemotherapy study group
- ** R10CA-03096-17 Southwest cancer chemotherapy cooperative study group
- R10CA-03227-18 Southeastern cancer study group
- R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
- ** R10CA-04679-15 0001 Biology of normal and malignant melanocytes - Melanocytes (frogs)
- ** R10CA-04679-15 0002 Biology of normal and malignant melanocytes - Tyrosinase, adenyl cyclase, and cholinesterase
- R10CA-04679-15 0003 Biology of normal and malignant melanocytes - Transfer of melanomas
- ** R10CA-04679-15 0004 Biology of normal and malignant melanocytes - Transfer of melanosomes
- R10CA-04679-15 0005 Biology of normal and malignant melanocytes - Chemistry of MSH racemization (frogs)
- R10CA-04679-15 0006 Biology of normal and malignant melanocytes - Protyrosinase to tyrosinase reaction (frogs)
- R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
- R10CA-05186-14 Western cancer study group
- R10CA-05634-14 Southeastern cancer study group
- R10CA-05641-14 Southeastern cancer study group
- P02CA-05826-13 0037 Clinical cancer research center - Cancer immunobiology-immunovirology of human cancer
- ** P02CA-05826-13 0076 Clinical cancer research center - Radiation, CCNU and steroids for malignant melanoma (human)
- P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- ** P02CA-05831-13 0014 Cancer clinical research - Treatment of advanced melanoma
- ** P02CA-05831-13 0015 Cancer clinical research - Serum tyrosinase in patients with malignant melanoma
- P02CA-05831-13 0016 Cancer clinical research - Immunological studies of patients with solid tumors

- P02CA-05831-13 0024 Cancer clinical research - Effect of chemotherapy on immune response (human)
- P02CA-05831-13 0029 Cancer clinical research - Cellular chemotherapy and kinetics (human)
- ** P02CA-05834-13 0046 Cancer clinical research center - Malignant melanoma
- P02CA-05837-12 0003 Cancer clinical research - Immunotherapy (human)
- ** R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- P02CA-06516-12 0017 Cancer center support grant-Comprehensive - Immunology-adjuvant-melanoma-bone marrow (rabbits, mice, guinea pigs)
- P02CA-06519-12 0083 Radiation therapy and biology research program - Determination of radiobiologic parameters of individual human tumors
- ** P02CA-06519-12 0089 Radiation therapy and biology research program - Radiation therapy of malignant melanoma
- P02CA-06551-11 0015 Cancer clinical research - Chemotherapy (human)
- R10CA-06594-12 Eastern cooperative oncology group
- R10CA-06800-12 Western cooperative cancer chemotherapy group
- P02CA-06973-12 0014 Integrated clinical cancer research program - Multiple myeloma (human)
- ** P02CA-06973-12 0017 Integrated clinical cancer research program - Malignant melanoma (human)
- R01CA-07093-12 Tyrosinases-Mechanism of action and regulation (human, rodents, pigs)
- R10CA-07190-12 Eastern cooperative oncology group
- R10CA-07439-11 Childrens cancer study group A
- R10CA-07585-11 Western conference cancer chemotherapy group
- R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
- R10CA-08025-10 Acute leukemia group B
- P02CA-08341-09 0034 Clinical pharmacology and cancer chemotherapy - CCNU
- R01CA-08349-09 Potential tumor or organ imaging agents
- R01CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
- P01CA-08748-09 6524 Research program of Sloan-Kettering Institute - Effects of 5-bromodeoxyuridine on cultured melanoma cells
- P01CA-08748-09 7802 Research program of Sloan-Kettering Institute - Cell-associated immunity to cancer (human, mice)
- P01CA-08748-09 7804 Research program of Sloan-Kettering Institute - Resistance to cancer and delayed hypersensitivity (human)
- P02CA-08832-08 0155 An integrated study of advanced malignant diseases - Imidazole carboxamide as adjuvant to surgery for melanoma (human)
- P02CA-08832-08 0157 An integrated study of advanced malignant diseases - Imidazole carboxamide for melanoma (human)
- R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
- ** R01CA-08975-08 Effect of tumor virus on antigen constitution of cells (monkeys, human)
- R01CA-10095-07 Gene action and cellular differentiation in culture (mice, human)
- R10CA-10186-08 Western cancer study group
- R10CA-10379-06 Southwest cancer chemotherapy study group
- P02CA-10438-08 0011 Clinical radiation therapy research center - Kinetics of lymphocytes in human tumors
- ** P01CA-10815-06 0051 Consolidated basic cancer research program - Effects of radiolabeled thiouracil on survival of melanoma cells (hamsters)
- P01CA-10815-06 0052 Consolidated basic cancer research program - Melanotic differentiation in normal and malignant pigment cells
- P02CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)
- R10CA-10948-06 Eastern cooperative oncology group
- R01CA-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
- ** P02CA-11265-05 0022 General clinical cancer research center - Immunological studies of melanoma patients
- P02CA-11265-05 0033 General clinical cancer research center - Blood cell separator (human, rabbits, monkeys, chimpanzees)
- ** P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
- R01CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
- ** P02CA-11911-04 0020 Clinical cancer center - Palliation of disseminated malignant melanoma
- ** R01CA-12043-03 Biophysical and clinical studies of melanoma (human, mice)
- ** R01CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
- ** P01CA-12227-04 0005 Core program in carcinogenesis - Tumor progression (human)
- P02CA-12247-03 0023 Pediatric oncology center - Skin testing and clinical immunology II
- R10CA-12271-04 Central oncology group
- R10CA-12272-04 Central oncology group
- R10CA-12273-04 Central oncology group
- R10CA-12275-04 Central oncology group
- R10CA-12277-04 Central oncology group
- R10CA-12280-04 Central oncology group
- R10CA-12282-04 Central Oncology Group
- R10CA-12283-04 Central oncology group
- R10CA-12285-04 The central oncology group
- R10CA-12286-04 Central oncology group
- R10CA-12287-04 Central oncology group
- R10CA-12288-04 Central oncology group
- R10CA-12289-04 Central oncology group
- R10CA-12290-04 Central oncology group
- R10CA-12294-04 Central oncology group
- R10CA-12295-04 Central oncology group
- R10CA-12286-04 Oncology Group
- R01CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- ** R01CA-12523-03 Detection and treatment of model choroidal melanoma (humans, rabbits)
- P01CA-12542-03 0002 Fast neutron therapy with TAMVEEC cyclotron - Cellular radiobiology (human, hamsters)
- P01CA-12542-03 0004 Fast neutron therapy with TAMVEEC cyclotron - Animal therapy (dogs, cats)
- ** P01CA-12582-04 0007 Multidisciplinary cancer diagnosis and therapy - Non-specific immunotherapy
- P01CA-12582-04 0009 Multidisciplinary cancer diagnosis and therapy - Adoptive immunotherapy
- P01CA-12582-04 0010 Multidisciplinary cancer diagnosis and therapy - Combination chemo-immunotherapy
- ** P01CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- ** P02CA-12924-03 0017 Tufts cancer research center - A malignant melanoma antigen phenotype (rats)
- R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
- P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
- ** R01CA-13456-02 Human immune response to malignancy during immunotherapy
- R10CA-13611-02 Eastern cooperative oncology group
- R10CA-13612-01 Southwest Cancer Chemotherapy Study Group
- ** R10CA-13651-02 Malignant melanoma group
- ** R10CA-13662-02 Malignant melanoma group
- ** R10CA-13669-02 Malignant melanoma group
- ** R10CA-13671-02 Malignant melanoma group
- ** R01CA-13675-01 Determinants of fatal skin tumors (human)
- ** P02CA-13696-02 0037 Clinical cancer research center - Malignant melanoma of the UVEA (human)
- ** R01CA-13844-02 Isolation of tumor antigens of human melanoma
- P01CA-14043-01 0004 Radiation therapy clinical and research center - Radio-pharmaceuticals for tumor and organ visualization
- P01CA-14043-01 0010 Radiation therapy clinical and research center - Chlorpromazine and analogs in malignant melanoma
- R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- R10CA-14144-02 Eastern cooperative oncology group
- P01CA-14395-02 0031 Cancer research center of Greater Miami - DNA biosynthesis and drug effects in skin cancer (human)
- R01CA-14527-01 Enzyme therapy of neoplasia (mice)
- R01CA-14676-01 Regulation of cancer cell development (mice)
- R01CA-14984-01 Immunological aspects of cancer prognosis
- R01CA-14985-02 5-Bromo-deoxyuridine effects on marrow and tumor cells (mice, rats)
- R01CA-15240-01 Non-specific resistance to syngeneic tumors (mice)
- R10CA-15241-02 Central oncology group
- R10CA-15294-01 Western Cancer Study Group
- R01CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)
- ** P02CA-15688-01 0017 Program in medical oncology - Chemotherapy-immunotherapy of malignant melanoma
- P01CA-15704-01 0001 Cancer center support grant - Tumor immunology (rats, human, mice)
- R01CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- ** R01CA-15865-01 Inhibition of melanomas by cell walls and lipids (mycobacterium, mice)
- R10CA-15947-01 Eastern Cooperative Oncology Group
- ** R01CA-15979-01 0003 Cholesterol metabolism in normal and malignant liver - Cholesterol feedback system in vivo (rats, guinea pigs, human)
- ** R01CA-15991-01 Melanin synthesis in human melanomas
- ** R01CA-16071-01 Double HL-A antigens in sera of cancer patients
- P01CA-16127-01 0009 Cancer Research and Treatment Center Program - Relationships between immunoglobulin allotypic markers and cancer (human)
- P01CA-16247-01 0007 Immunologic aspects of cancer - Development of a radio-immunoassay (mice)

(contd)

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** PO1CA-16247-01 0008 Immunologic aspects of cancer - Treatment with transfer factor and immune response (human)
 RO1CA-16308-01 Free amino acids in normal and tumor-bearing mice
 ** RO1CA-16316-01 Melanoma detection with radiopharmaceuticals
 PO1CA-16359-01 0042 Cancer center support grant - Cytophilic antibodies in neoplasia (human)
 ** NO1CB-43852-00 Human melanoma-evaluation of BCG immunotherapy
 ** NO1CM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
 NO1CM-43726-00 Coordinating center for the clinical study of melanoma
 NO1CM-71343-12 Development of a lymphoma treatment center
 ** NO1CP-33200-03 Induction of malignant melanomas in guinea pigs
 PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
 RO1EY-00108-05 Histopathologic study of pigmented ocular tumors (human, dogs, cats)
 ** RO1EY-00190-18 Electron microscopy of the eye (human, animals)
 ** PO1EY-00227-13 0018 The posterior segment of the eye - Ocular malignant melanoma (human)
 ** PO1EY-00396-07 0012 Basic ophthalmic research program - Electron microscopy of eye (animals)
 ** RO1EY-00616-03 Diagnosis and etiology of intra-ocular tumor (human, rabbits)
 ** RO1EY-00891-03 Treatment of intraocular tumors (human, cattle)
 RO1GM-19241-03 Developmental genetics of the dog
 PO1GM-19513-03 0015 Human genetics - Genetics of malignant cells (human, mice)
 ** PO1GM-19513-03 0017 Human genetics - Fish-hybrid melanoma control, a cancer genetics model (platyfish, swordtail)
 ** PO1GM-20124-02 0005 Center for human genetics and inherited disease - Regulation of phenotypic expression by melanoma cells (mice, hamsters)
 PO1GM-20124-02 0006 Center for human genetics and inherited disease - Nuclear acidic proteins regulating genetic expression (mice, hamsters)
 RO1HL-09125-10 Ultrastructural cytochemistry (human, rodents, rabbits)
 ** MO1RR-00030-13 0096 General clinical research center - Immunology of sarcomas, melanomas and colon CA (human)
 MO1RR-00030-13 0100 General clinical research center - Use of blood cell separator (human)
 ** MO1RR-00042-14 0024 General clinical research center - Methioquin iodine 131 therapy in malignant melanoma (human)
 ** MO1RR-00049-13 0035 General clinical research center - Treatment of disseminated melanoma (human)
 ** MO1RR-00049-13 0042 General clinical research center - Combination chemotherapy programs in melanoma (human)
 MO1RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
 MO1RR-00051-13 0152 General clinical research center - Cancer chemotherapy in solid tumors with poor prognosis (human)
 ** MO1RR-00079-12 0103 General clinical research center - BCG treatment of malignant melanoma (human)
 MO1RR-00095-14 0001 General clinical research center - Regulation of pituitary function (human)
 ** MO1RR-00096-14 0044 Clinical research center - Treatment of melanoma with transfer factor (human)
 ** MO1RR-00109-11 0045 General clinical research center - Combination chemotherapy in malignant melanoma (human)
 ** MO1RR-00125-11 0184 General clinical research center - adult-child - Therapy for melanoma
 ** MO1RR-00262-09 0049 General clinical research center - Use of imidazole carboxamide, dimethyl triazino in malignant melanoma (human)
 PO7RR-00273-09 0007 Mass spectrometric facility for biomedical research - Melanin biosynthesis (cephalopods, mice)
 MO1RR-00334-08 0005 General clinical research center - Organ infusion (human)
 ** MO1RR-00334-08 0029 General clinical research center - Fate of radiolabeled horse antimeelanoma globulin in malignant melanoma (human)
 ** MO1RR-00722-02 0025 General Clinical Research Center - Pathogenesis, immunology, management of skin diseases and solid tumors (human)
PIGMENT CELL NEOPLASMS, MELANOMA S91
 ** RO1CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
 ** PO2CA-12924-03 0033 Tufts cancer research center - Control of immunoglobulin synthesis in mouse myeloma cells

PIGMENTATION

SEE ALSO EYE, RETINAL SCREENING PIGMENTS
 SEE ALSO EYE, VISUAL PIGMENTS
 ** PO1AM-08445-10 0018 Biology of skin of man and other primates - Effect of 5-bromodeoxyuridine on melanoma cells (mice)
 ** PO1AM-08445-10 0019 Biology of skin of man and other primates - The ultrastructure of amelanotic melanoma (mice)
 PO1AM-08445-10 0020 Biology of skin of man and other primates - Hormone effects on melanoma cells (mice)
 RO1AM-14543-04 Alternate pathways of bilirubin metabolism (human, rats)
 RO1AM-17459-01 Environmental light calciferol and calcium homeostasis (swine, human)
 ** RO1GM-19934-12 Integrated genetic systems in ziphophorus
 ** RO1HD-04488-11 Biochemical systematic investigations
 PO1HD-06276-03 0012 Mental retardation research program - Regulation of gene expression in somatic cell hybrids (human, mice)
 ** RO1HD-06514-03 Developmental changes in Diptera lipopigments
PIGMENTATION, CHROMATOPHORES
 RO1GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
 ** RO1GM-16754-06 Fine structure and composition of membranes (bacteria)
 RO1GM-20367-02 Molecular aspects of membrane development (bacteria)
 ** RO1NS-02606-15 Neurosecretion and endocrine physiology (crustaceans)
 PO7RR-00015-12 0002 Medical school computer facility - X-ray diffraction analysis of natural and artificial membrane systems
PIGMENTATION, MELANIN
 ** PO1AM-08445-10 0022 Biology of skin of man and other primates - Pigmentation of the stump tailed macaque
 ** PO1AM-09650-10 0007 Hormonal and ionic control of metabolism - Effect of MSH upon melanin granule migration
 RO1CA-04679-15 0004 Biology of normal and malignant melanocytes - Transfer of melanosomes
 RO1CA-04679-15 0006 Biology of normal and malignant melanocytes - Protyrosinase to tyrosinase reaction (frogs)
 RO1CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
 RO1CA-08349-09 Potential tumor or organ imaging agents
 RO1CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
 ** PO1CA-08748-09 6524 Research program of Sloan-Kettering Institute - Effects of 5-bromodeoxyuridine on cultured melanoma cells
 ** PO1CA-10815-06 0052 Consolidated basic cancer research program - Melanotic differentiation in normal and malignant pigment cells
 RO1CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
 ** RO1CA-12043-03 Biophysical and clinical studies of melanoma (human, mice)
 RO1CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
 PO1CA-14043-01 0010 Radiation therapy clinical and research center - Chlorpromazine and analogs in malignant melanoma
 ** RO1CA-15991-01 Melanin synthesis in human melanomas
 PO1DE-01766-12 0008 Ultrastructure and physiology of oral mucosa - Control of growth and melanogenesis in cultured retinal pigment cells
 RO1EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)
 ** RO1EY-00776-03 Melanotic differentiation of eye pigment epithelium (chick embryo)
 PO1EY-00785-03 0003 Vision research center - Drugs and oculocutaneous albinism (human)
 RO1GM-18680-03 Effect of beta-alanine on behavior (Drosophila)
 PO1GM-20124-02 0005 Center for human genetics and inherited disease - Regulation of phenotypic expression by melanoma cells (mice, hamsters)
 RO1HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
 PO1NS-07512-06 0032 Neuronal development, interaction and organization - Development of melanoblasts and pigmented cells of brain and meninges (amphibian)
 RO1NS-07664-07 Control of MSH release and role of MIF (frogs, rats)
 PO1NS-11631-01 0001 Clinical center for research on Parkinson's and allied diseases - Parkinsons disease brain bank studies (human)
 PO1NS-11631-01 0002 Clinical center for research on Parkinson's and allied diseases - Experimental neuropathology studies (human, animals)
 PO1NS-11631-01 0004 Clinical center for research on Parkinson's and allied diseases - Histochemical studies (dogs, rats)
 ** MO1RR-00079-12 0099 General clinical research center - Urinary melanogens in melanogens patients

** PO7RR-00273-09 0007 Mass spectrometric facility for biomedical research - Melanin biosynthesis (cephalopods, mice)
PIGMENTATION, MELANIN INHIBITORS
 ** PO1DE-01766-12 0008 Ultrastructure and physiology of oral mucosa - Control of growth and melanogenesis in cultured retinal pigment cells
 ** PO7RR-00273-09 0007 Mass spectrometric facility for biomedical research - Melanin biosynthesis (cephalopods, mice)
PIGMENTATION, MELANOBLASTS
 RO1AM-05384-13 Some metabolic pathways (pseudomonas, goldfish)
 RO1GM-19241-03 Developmental genetics of the dog
 RO1HD-00189-21 Mechanisms in differentiation of mesodermal tissues (chick embryo, xenopus)
 ** PO1NS-07512-06 0032 Neuronal development, interaction and organization - Development of melanoblasts and pigmented cells of brain and meninges (amphibian)
PIGMENTATION, MELANOCYTES
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, MELATONIN
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, MIF
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, MSH
 SEE ALSO THYROID HORMONES, THYROMEL
 ** PO1AM-08445-10 0001 Biology of skin of man and other primates - Genetic control of melanogenesis and cell interaction
 ** PO1AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
 ** PO1AM-08445-10 0022 Biology of skin of man and other primates - Pigmentation of the stump tailed macaque
 ** PO1AM-09650-10 0007 Hormonal and ionic control of metabolism - Effect of MSH upon melanin granule migration
 ** RO1AM-10493-09 Biophysical mechanisms in leukocytes and melanocytes (human, frogs, bacteria)
 RO1AM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
 ** RO1AM-15317-03 Oculocutaneous pigment defects, blocks and treatment (human, rabbit, guinea pigs)
 ** RO1CA-04679-15 0001 Biology of normal and malignant melanocytes - Melanocytes (frogs)
 RO1CA-04679-15 0002 Biology of normal and malignant melanocytes - Tyrosinase, adenylyl cyclase, and cholinesterase
 RO1CA-04679-15 0004 Biology of normal and malignant melanocytes - Transfer of melanosomes
 ** RO1CA-05003-16 0004 Dermatologic reactions induced by solar radiation - Action of ultraviolet radiation on human skin melanocytes
 ** RO1CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
 ** RO1CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
 PO1CA-08748-09 6525 Research program of Sloan-Kettering Institute - Lysosomes in mice with Chediak-Higashi syndrome
 RO1CA-10844-06 Comparative histogenesis of hair and squamate skin (reptiles, cyclostomes, mica)
 RO1CA-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
 ** RO1CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
 RO1CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
 RO1CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
 ** PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
 RO1EY-00108-05 Histopathologic study of pigmented ocular tumors (human, dogs, cats)
 RO1GM-02907-23 ACTH and related peptides (rats, rabbits)
 ** RO1GM-18969-03 Types of genetic mechanisms controlling melanogenesis (chickens)
 RO1HD-05395-04 Migration and differentiation of neural crest cells (mice, chick embryo)
 RO1OH-00513-01 Detection of environmental depigmenting substances (guinea pigs)
 MO1RR-00400-06 0041 General clinical research center - adult - Oculocutaneous pigment defects, blocks and treatment-study 2 (human)
PIGMENTATION, MELANOSOMES
 ** PO1AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
 ** PO1AM-08445-10 0017 Biology of skin of man and other primates - Development of pigment cells in eyes of rhesus monkeys
 RO1CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
 ** RO1CA-12468-04 Melanosome proteins and control by pigmentation genes (mice)
 RO1CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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PIGMENTATION, NEUROMELANIN

- ** P01NS-09649-04 0002 Research in parkinsonism - Neuromelanin (monkeys amphibians, rodents, human)

PIGMENTATION DISORDERS (GENERAL)

- SEE ALSO CONGENITAL ABNORMALITIES, SKIN, NEVUS PIGMENTED
- SEE ALSO EYE DISORDERS, RETINITIS PIGMENTOSA
- SEE ALSO IRON DISORDERS AND IMBALANCES, SIDEROSIS
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, ALBINISM
- SEE ALSO METABOLIC DISORDERS (INBORN), PORPHYRIA
- SEE ALSO METALS POISONING, ARGYRIA
- SEE ALSO SKIN DISORDERS, ACANTHOSIS NIGRICANS
- SEE ALSO SKIN DISORDERS, PEMPHIGUS
- SEE ALSO SKIN DISORDERS, URTICARIA PIGMENTOSA
- SEE ALSO SKIN DISORDERS, VITILIGO

- P01AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
- ** R01CA-05873-13 Biochemistry of pigmentation and inherited disorders (mice)
- P01DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- P01GM-21054-01 0008 Human genetics center - New genetic syndromes
- R01OH-00513-01 Detection of environmental depigmenting substances (guinea pigs)
- ** M01RR-00079-12 0099 General clinical research center - Urinary melanogens in melanogens patients
- ** M01RR-00125-11 0159 General clinical research center - adult-child - Effect of melatonin on skin pigmentation and the endocrine system
- ** M01RR-00334-08 0018 General clinical research center - ACTH suppressibility in Nelson's syndrome (human)

PIGMENTATION DISORDERS, OCHRONOSIS

- ** P02AM-05577-13 0005 Clinical research unit in rheumatic diseases - Dietary approach to treatment of ochronosis (human)
- R01AM-10358-09 Effects of penicillamine on collagen metabolism (human, rats, cattle)

PIGMENTS

- SEE ALSO BENZOPYRROLES, ADRENOCHROME
- SEE ALSO BILE PIGMENTS
- SEE ALSO FLAVANOLS, ANTHOCYAN(IDI)NS
- SEE ALSO FLAVINS
- SEE ALSO HEME
- SEE ALSO LIPOFUSCIN-CEROID
- SEE ALSO METALLOPROTEINS
- SEE ALSO PHTHALOCYANINS
- SEE ALSO PHYCOBILINS
- SEE ALSO PORPHYRINS
- SEE ALSO PORPHYRINS, CHLOROPHYLL
- SEE ALSO TERPENES, CAROTENE
- SEE ALSO URINARY PIGMENTS
- ** R01AI-04769-13 Mass spectra of antibiotics and related compounds
- ** R01AI-08426-18 Metabolism of phytopathogenic bacteria
- R01CA-11388-06 High resolution mass spectra of biorganic compounds
- P01CA-16359-01 0059 Cancer center support grant - Medical oncology
- R01GM-14595-08 0006 Continuity of cellular organelles - Chlorophyll precursor pigment (Euglena)
- R01GM-15994-06 Ion-molecule mass spectra in structure elucidation
- R01GM-18639-03 Structure and function of freeze-etched cell membranes (algae, protozoa, toads)
- ** R01GM-19807-02 0011 Membrane permeability as a regulatory element - Phytochrome involvement in respiratory development (plants)
- ** R01GM-19934-12 Integrated genetic systems in xiphophorus
- R01GM-20648-01 Photoreceptor pigments in photosensitive organisms (Dictyostelium, Phycomyces)
- P01HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (Octopeltus, Pyrrhocoris, Drosophila)
- R01HD-04839-05 0001 Metabolism of drug substrates by human placenta - Analysis of placental cytochrome P-450

PLI

- SEE CELL COMPONENTS, PLI

PILLS

- SEE DOSAGE FORMS

PILOCARPINE TYPE ALKALOIDS

- SEE ALKALOIDS, PILOCARPINE TYPE

PIMELIC ACID

- SEE DICARBOXYLIC ACIDS, PIMELIC ACID

PINEAL BODY

- SEE BRAIN, THALAMENCEPHALON, PINEAL BODY

PINEAL NEOPLASMS

- SEE BRAIN NEOPLASMS, PINEAL

PINNIPEDS

- SEE MAMMALS, CARNIVORES AQUATIC*

PINOCYTOSIS

- SEE CELL INGESTION, PINOCYTOSIS

PIONS

- SEE RADIATION, HIGH ENERGY PARTICLES, PIONS

PIPE SMOKING

- SEE PSYCHOLOGY, HABITS, SMOKING

PIPERAZINAMIDES, CARBAMAZINE

- R22AI-10512-03 Chemotherapy and metabolism of filarids (dogs, rodents)
- R01EY-00330-08 Ocular pharmacology (human, animals)

PIPERAZINES

- SEE ALSO OXAZEPINES, LOXAPINE
- SEE ALSO PHENOTHIAZINES, FLUPHENAZINE
- SEE ALSO PHENOTHIAZINES, PERPHENAZINE
- SEE ALSO PHENOTHIAZINES, PROCLORPERAZINE
- SEE ALSO PHENOTHIAZINES, THIOPROPAZATE
- SEE ALSO PHENOTHIAZINES, TRIFLUOPERAZINE
- SEE ALSO THIOXANTHINES, THIOXIKENE
- R01AI-11978-01 Synthesis of epidithiopiperazinedione antibiotics
- R01AM-15410-04 Synthetic and racemization studies in peptide chemistry
- R01AM-15964-03 Biopolymer chain conformations
- P02CA-05834-13 0053 Cancer clinical research center - Cancer therapy with crystalline antibiotic (human)
- R10CA-10572-06 Eastern cooperative oncology group
- R01CA-12528-03 Hydroxylamine derivatives
- ** P02CA-13053-03 0080 Clinical cancer radiation therapy research center - ICRF 159 chemotherapy in solid tumors and acute leukemia (children)
- R01GM-18747-03 Energy transfer and reaction in DNA-histone complexes
- R01HL-13927-03 Autonomic regulation of regional blood flow (dogs)
- R01NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)

PIPERAZINES, CHLORCYCLIZINE

- R01CA-05310-14 Mechanism of action of beta-3TA (mice)

PIPERAZINES, HYDROXYZINE

- P01GM-12527-10 0010 Anesthetic and related drugs - Bioassay of premedication (human)
- P11GM-15477-08 0103 Drug metabolism and biochemical pharmacology - Ketamine-A new dissociative anesthetic agent (rats, human)

PIPERIDINAMIDES, MEPIVACAINE

- P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)

PIPERIDINE CARBOXYLIC ACIDS, ANILERIDINE

- P01GM-12527-10 0008 Anesthetic and related drugs - Bioassay and efficacy of analgesics and nighttime sodatives (human)
- P11GM-15477-08 0019 Drug metabolism and biochemical pharmacology - A possible selective alkylator of analgesic receptors (mice, rats)
- P11GM-15477-08 0106 Drug metabolism and biochemical pharmacology - Kinetics of the penetration of drug into brain (rats)
- P11GM-15477-08 0108 Drug metabolism and biochemical pharmacology - Phenyl piperidine narcotic analgesics in rats

PIPERIDINE CARBOXYLIC ACIDS, MEPERIDINE

- ** P01CA-13038-03 0051 Experimental therapeutics and cancer drug program - Meperidine interaction with anesthetics and anticancer agents
- P01DA-00250-03 0002 Research center-Studies of drug dependence and abuse - Neurochemistry and pharmacology of morphine and opiates (rats, primates)
- R01DA-00770-01 Quantum chemical studies of opiate narcotics
- R01DA-01048-01 2-aminotetralins as narcotic-antagonists (monkeys, mice)
- R01DA-01050-01 EEG REM sleep and imipramine in morphine addiction (rats)
- P01GM-09069-12 0058 Research in anesthesiology - Obstetric anesthesia and fetal pharmacology (guinea pigs)
- ** P01GM-09069-12 0060 Research in anesthesiology - Placental transfer of meperidine and naloxone (sheep)
- P01GM-09069-12 0074 Research in anesthesiology - Narcotics and monoamine oxidase inhibitor interaction
- P01GM-09069-12 0075 Research in anesthesiology - Distribution of cardiac output during anesthesia and induced hypertension (dogs)
- P01GM-09069-12 0080 Research in anesthesiology - Analytical methodology for measurement of drug concentrations (human)
- P01GM-09069-12 0082 Research in anesthesiology - Placental transfer of meperidine and naloxone in pregnant ewes
- P01GM-09069-12 0117 Research in anesthesiology - Site of histamine release
- P01GM-09069-12 0118 Research in anesthesiology - Mechanism of narcotic induced histamine release (dogs)

- ** P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
- P01GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
- P01GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
- P11GM-15431-08 0039 Research center for clinical pharmacology and drug toxicology - Influence of age upon drug disposition and elimination (human)
- P11GM-15431-08 0041 Research center for clinical pharmacology and drug toxicology - Influence of liver disease upon drug disposition and elimination (human, rats)
- P11GM-15477-08 0106 Drug metabolism and biochemical pharmacology - Kinetics of the penetration of drug into brain (rats)
- P11GM-15477-08 0108 Drug metabolism and biochemical pharmacology - Phenyl piperidine narcotic analgesics in rats
- ** P11GM-16216-06 0013 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism - Meperidine (rats, human)
- ** P11GM-16216-06 0030 Toxicological problems of drugs (placental transfer, lactation) - Meperidine (human infants)
- P11GM-16216-06 0039 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism in the newborn - N-demethylation (human)
- R01GM-20340-01 Circadian rhythms in drug response and drug metabolism
- R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
- R01MH-08833-11 Neuropharmacologic studies of local brain function (cats)
- R10MH-11468-09 0016 Psychopharmacology research center - Measurement of non-hepatic drug metabolism
- R01MH-25170-01 Toxic interaction of opiates with COMT inhibitors
- R01NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)
- M01RR-00095-14 0070 General clinical research center - Effect of liver disease on clearance of sedatives (human)
- M01RR-00095-14 0071 General clinical research center - Effect of liver disease on clearance of sedatives (human)

PIPERIDINE CARBOXYLIC ACIDS, METHYLPHENIDATE

- R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- R01DA-01057-01 0005 Drugs of abuse-Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)
- P01GM-09069-12 0076 Research in anesthesiology - Interaction between thiopental and methylphenidate (human, dogs)
- ** P01GM-09069-12 0088 Research in anesthesiology - Methylphenidate and metabolism of thiopental (dogs)
- ** P11GM-14270-08 0015 Human drug metabolism and toxicology - Methylphenidate
- P11GM-15431-08 0002 Research center for clinical pharmacology and drug toxicology - Drugs that antagonize guanethidine (human, cats)
- P01HD-02528-08 0013 Research center in mental retardation - Laboratory analogues of behavior modification techniques (children)
- P01HD-05027-05 0013 Developmental psychology - Development of attention
- P01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
- ** P01HD-06276-03 0024 Mental retardation research program - EEC-behavioral correlations in hyperkinetic children
- ** R10MH-11468-09 0025 Psychopharmacology research center - Behavioral pharmacology of D- and l-amphetamine and methylphenidate in man
- R10MH-11468-09 0033 Psychopharmacology research center - Cholinergic mechanisms in mania depression and schizophrenia (rats)
- R10MH-11468-09 0035 Psychopharmacology research center - Clinical studies on plasma levels of cyclic AMP
- R01MH-12279-09 0002 Drug studies with women, elderly and groups - Diazepam in elderly males
- ** R01MH-14432-07 Early screening and long-term drug therapy of children
- ** R01MH-17039-05 Psychophysiological studies in hyperactive children
- R01MH-18332-05 Temporal organization in behavior and development (human)
- R01MH-18579-04 Comparative drug effects in hyperkinetic children
- P01MH-18909-04 Pediatric psychopharmacology (human, rats)
- R01MH-19426-02 Neural responses to relevant and irrelevant stimuli (cats)
- R01MH-20583-02 Pharmacotherapy of hyperactive children
- R01MH-20802-03 Comparative drug treatment for hyperactive children
- R01MH-22149-02 Effects of amphetamine on children
- R01MH-22340-02 New method for studying drug effects on learning (pigeons)

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 **Oriented significantly to above subject.
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(contd)

- ROIHM-22659-02 Treating minimal brain dysfunction and hyperactivity (human)
ROIHM-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to IIT and L-dopa (human)
- ** ROIHM-25164-01 Paradoxical drug effects on hypertenesis (squirrel monkeys)
POINS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** MOIRR-00060-13 0036 General clinical research center - Imipramine and methylphenidate in hyperactive children
MOIRR-00062-12 0025 Clinical research center, children - Relationship of sleep and growth hormone secretion
MOIRR-00188-10 0051 General clinical research center for children - Nutritional requirements of hyperkinetic children
- PIPERIDINEDIONES, AMINOGLUTETHAMIDE**
ROIAM-10081-09 Mode of action and synthesis of progestational hormones (human)
** POIHD-05797-04 0029 Population and reproductive biology - Amino-glutethamide assay
** POIHD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
POIHD-07495-02 0029 Center for population research, studies in reproductive biology - Non-steroidal luteolytic agents (rats)
ROIHL-15732-02 Mineralocorticoid hypertension (rats)
ROIHL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)
MOIRR-00400-06 0052 General clinical research center-adult - Pre-operative chemotherapy of Cushing's syndrome (human)
- PIPERIDINEDIONES, GLUTETHAMIDE**
POIAM-16281-02 0017 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum in man
ROIHD-00480-01 Sorption methods in the treatment of child poisoning
** P11GM-12675-10 0024 Biochemical toxicology and pharmacology - Enterohaptic circulation of drugs in man-Glutethamide, mestrano, norethindron
** P11GM-12675-10 0025 Biochemical toxicology and pharmacology - Role of drug metabolism in the toxicity of glutethamide (human, dogs, rodents)
NOIHD-32719-02 Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs)
ROIHL-13762-04 Steroids and sodium balance in essential hypertension (human, rabbits)
P17HL-14192-04 0005 Specialized center of research in hypertension - Recognition and management of the syndrome of low renin essential hypertension
MOIRR-00053-13 0001 Clinical research center - Cortisol and ACTH secretory patterns (human)
- PIPERIDINES**
SEE ALSO ANDROSTANE SERIES, PANCURONIUM
SEE ALSO BENZODIAZINES, QUINOXALINES
SEE ALSO BENZOPYRROLES, PHTHALIMIDES, THALIDOMIDE
SEE ALSO CYCLOHEPTANES, CYPROHEPTADINE
SEE ALSO PHENOTHIAZINES, THIORIDAZINE
SEE ALSO PYRIMIDINES, MINOXIDIL
SEE ALSO QUINUCLIDINES
** ROICA-12940-02 Methods of synthesis of indoles and indole alkaloids
ROIKA-13964-02 Tetrahydropyridines in cancer chemotherapy
RO3DA-00965-01 Structural requirements for narcotic antagonists
P11GM-15477-08 0099 Drug metabolism and biochemical pharmacology - Histamine antagonists (guinea pig)
** P11GM-15477-08 0108 Drug metabolism and biochemical pharmacology - Phenyl piperidine narcotic analgesics in rats
ROIINS-11237-02 Brain development in normal and mutants (mice)
** ROIINS-11716-01 The physiological role of piperidine in CNS (snails)
- PIPERIDINES, DITRAN**
ROIHM-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- PIPERIDINES, FENTANYL**
POIGM-15430-07 0014 Research in anesthesia - Opioid tolerance and dependence (guinea pigs, human)
POIGM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
- PIPERIDINES, HALOPERIDOL**
P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)
** P11GM-15477-08 0109 Drug metabolism and biochemical pharmacology - Haloperidol and amantadine in rats
ROIHM-03701-15 0002 Clinical new chemotherapeutic agent evaluation - Controls in chronic schizophrenia chemotherapy evaluation
- ROIHM-11468-09 0020 Psychopharmacology research center - Antagonism of antihypertensive effect of guanethidine by neuroleptic drugs (rats)
ROIHM-11468-09 0034 Psychopharmacology research center - Modification of the cyclic AMP system by LSD, amphetamines and antipsychotics
** POIHM-16674-06 0030 A program of psychiatry-oriented biological research - Integrity of substantia nigra GABA neurons in Huntington's chorea (human)
ROIHM-25170-01 Toxic interaction of opiates with COMT inhibitors
ROIINS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
MOIRR-00047-14 0095 General clinical research center - Tetrabenazine for Gilles De La Tourette syndrome (human)
** MOIRR-00318-08 0063 General clinical research center - Neuroendocrinologic aspects of haloperidol (human)
- PIPERIDINES, PHENCYCLIDINE**
ROIHA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
POIDA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
ROIHM-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
** ROIHM-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
** ROIHM-16127-06 0008 Muscle enzyme release in the acute psychoses - Failure of phencyclidine to enhance PCPK levels following stress (rats)
ROIHM-16127-06 0009 Muscle enzyme release in the acute psychoses - Effect of psychomimetic drugs, and epinephrine in PCPK levels (rats)
ROIHM-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
ROIINS-09839-04 Stereochemical basis of anticonvulsant drug activity
- PIPERIDINES, PRODINE**
R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
- PIPERIDINES, TRIHXYPHENIDYL**
POIKS-09199-04 0001 Effect of L-dopa on synthesis of amines in brain (human, animals) - Therapeutic and side effects of L-dopa (human)
- PIROMEN**
SEE POLYSACCHARIDES, PIROMEN
- PIROPLASMOSES**
SEE PARASITIC DISEASES, PROTOZOAL INFECTIONS, BABESIOSIS
- PISCICIDES**
SEE PESTICIDES, PISCICIDES
- PITCH**
SEE PHYSICAL PROPERTIES, SOUND FREQUENCY
- PITRESSIN**
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
- PITUITARY-ADRENAL AXIS**
ROIAM-08547-08 Neural control of ACTH release (human, rats)
** ROIAM-11496-06 Regulation of anterior pituitary secretions (rats)
ROIAM-16794-02 Neural regulation and anterior pituitary (rats)
ROIHY-00024-06 Response of ocular pressure to corticosteroids (human)
ROIHD-02715-06 Fetal and neonatal adrenocortical function in monkeys
POIHD-08672-01 An organ communication system for initiation of labor (human, rabbits)
ROIINS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
** ROIINS-09122-04 Neural mechanisms for pituitary-adrenal periodicity (rats, cats)
MOIRR-00063-12 0066 General clinical research center - Psoriasis or neurodermatitis
- PITUITARY CACHEXIA**
SEE PITUITARY GLAND DISORDERS, HYPOPIUITARISM
- PITUITARY CIRCULATION**
ROIAM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)
ROIAM-14952-04 Hemodynamic control of adrenal corticoid secretion (cats)
ROIAM-15899-03 Control of bovine serum prolactin concentration (cattle)
- PITUITARY-DIENCEPHALON (HORMONES)**
ROIAD-09109-06 Enzyme-labeled antibodies for immunohistochemistry (mice, rats)
** ROIAM-03598-15 Production of pituitary hormones (human, animals)
** ROIAM-13776-04 Anterior pituitary hormone biosynthesis (rats, sheep)
ROIAM-15346-03 Development of mineralized tissues (rats)
- ** ROIAM-17545-01 Qualitative factors in anterior pituitary regulation
** ROIAM-90056-17 Collection of rat pituitaries and assaying hormones
R10CA-03358-17 Cooperative breast cancer group
R01CA-16952-14 Sex chromosomes of cells (mice)
NOICP-43229-00 Carcinogenesis by radiation plus estrogen (rats)
POIHY-00336-08 0009 CLINICAL STUDENT OF GLAUCOMA - Cortisol suppression and diphenhydantoin (human)
POIHY-00336-08 0010 CLINICAL STUDENT OF GLAUCOMA - Cortisol suppression dose response and glaucoma (human)
** ROIHD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
** POIHD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
** ROIHD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
** ROIHD-06720-02 Fetal hypophyseal-gonadal relationships
** ROIHD-07651-02 Ovarian growth factor, control of ovarian tumors (rats)
** ROIHD-08035-01 Regulation of the human hypothalamic-pituitary system
ROIHD-08362-01 Environmental stimulation, hormones and CNS development (rats)
ROIHD-08389-01 Neuroendocrine control of pituitary hormone secretion (rats)
** ROIHD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
ROIHL-16949-01 Lung uptake and metabolism of plasma-borne substances (rats)
ROIHM-02271-17 Psychological studies of behavior (ring doves)
ROIINS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
ROIINS-08989-12 Brain function during altitude acclimatization (rats)
POINS-11642-01 0001 Basic and clinical neuroendocrinology - Drug-induced alterations in neuroendocrine function (rats)
POINS-11642-01 0009 Basic and clinical neuroendocrinology - Ultrastructural localization of neural hormones
MOIRR-00034-14 0077 General clinical research center - Hypothalamic-pituitary-adrenal response to L-tryptophan in Cushing's disease
MOIRR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
MOIRR-00068-12 0054 General clinical research center - Hypothalamic-pituitary function in juvenile diabetic amenorrhea
** MOIRR-00079-12 0127 General clinical research center - Hypothalamic-pituitary regulatory mechanisms in CNS abnormalities (human)
MOIRR-00084-12 0032 General clinical research center-children - Hypothalamic-pituitary control mechanisms
** MOIRR-00109-11 0039 General clinical research center - Hypothalamic pituitary-end organ axis (human)
MOIRR-00425-06 0069 General clinical research center - Hypothalamic-pituitary function in Parkinson's disease treated with L-Dopa (human)
** MOIRR-00645-03 0065 Clinical research center - Newly discovered active peptides in posterior pituitary (human)
- PITUITARY-DIENCEPHALON HORMONES, ACTH**
ROIAA-00248-05 Adrenal function in alcoholism (human)
ROIAA-00252-05 Alcohol and brain macromolecules (mice, rats)
R22AI-11416-02 Cholera toxin and adrenal cells in tissue culture
R22AI-11794-01 Isolation and study of E coli enterotoxins (tissue culture)
POIAM-00002-28 0014 Metabolic and hereditary disorders - Steroid studies
ROIAM-00180-23 Relation of hormones to growth and development (human)
ROIAM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
** ROIAM-01128-18 ACTH, its receptors, antagonists and mode of action (cattle)
** ROIAM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)
ROIAM-01324-18 Hormones and intermediary metabolism (human, animals)
ROIAM-01447-19 Neuroendocrine and thyroid physiology (rats)
** ROIAM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
ROIAM-02463-16 Investigation of the thyroid and pituitary (human, rats)
** ROIAM-03370-15 Factors influencing pituitary-adrenal function (rodents)
** ROIAM-04899-14 Action of adrenocorticotropin (rats)
** ROIAM-05318-13 Pituitary-adrenal physiology and pharmacology (human)
ROIAM-05475-13 Action of hormones and cyclic nucleotides (rats)
ROIAM-05655-14 The physiology of growth hormone (primates)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01AM-06704-12 0001 Neural and humoral control of endocrine function - Changes in adrenocortical sensitivity to angiotensin and ACTH (dogs)
 P01AM-06704-12 0002 Neural and humoral control of endocrine function - Regulation of renin secretion (dogs)
 ** P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
 P01AM-06704-12 0004 Neural and humoral control of endocrine function - Reproductive neuroendocrinology (rats)
 P01AM-06704-12 0005 Neural and humoral control of endocrine function - Pituitary-adrenal response to stress in protein deprived animals
 P01AM-07462-11 0058 Hormonal regulation of metabolism - Conversion of lipids in lamb lungs
 ** RO1AM-08547-08 Neural control of ACTH release (human, rats)
 RO1AM-10188-09 Hormonal regulation of metabolism (dogs)
 RO1AM-10558-09 0010 Peptide hormones affecting calcium metabolism - Thyrocalcitonin and cyclic AMP
 RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
 RO1AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
 RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
 ** RO1AM-11496-06 Regulation of anterior pituitary secretions (rats)
 ** RO1AM-11605-08 Endocrine influences in disease (rats)
 RO1AM-12027-07 Mechanisms regulating adrenocortical secretion (human, rats)
 ** RO1AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
 RO1AM-13149-07 Hormonal regulation of control mechanisms (rats, chick)
 ** RO1AM-13361-07 Adrenal metabolism possibly related to ACTH action (rats)
 RO1AM-13587-04 Structure activity of human thyrocalcitonin
 ** RO1AM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
 ** RO1AM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)
 ** RO1AM-13820-05 Isolated adenohipophysial cells (rats)
 RO1AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
 RO1AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
 ** RO1AM-14132-05 Adrenocortical function and membrane potential (rats, rabbits)
 RO1AM-14340-05 Experimental diabetes (rats)
 ** RO1AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
 RO1AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)
 ** RO1AM-15509-03 Mechanism of action of ACTH and insulin (rats)
 ** RO1AM-15776-01 Neural pathways involved with ACTH secretion (rats)
 RO1AM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)
 RO1AM-16173-01 The adrenal mitochondrial hydroxylating system (cattle)
 RO1AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
 RO1AM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)
 ** RO1AM-16794-02 Neural regulation and anterior pituitary (rats)
 RO1AM-16826-01 Mechanisms of polypeptide hormone action
 RO1AM-16829-02 Regulation of steroid formation
 RO1AM-16833-01 Adrenal cells in vitro-Ultrastructure and steroids
 RO1AM-16879-01 Neuro-endocrine studies in cell culture system (mice)
 P17AM-17026-01 0022 Vanderbilt University Diabetes-Endocrinology Center - Synthesis and secretion of peptide hormones
 P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation
 RO1AM-17030-01 Cholesterol esterase regulation of steroidogenesis (rats, cattle)
 RO1AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
 RO1AM-17326-02 Studies of pituitary hormone secretion and synthesis
 ** RO1AM-17780-01 Secretion in pituitary and other cells (rabbits, rats)
 RO1AM-18066-01 Action of calcium on secretion (cats, rabbits)
 RO1AM-90056-17 Collection of rat pituitaries and assaying hormones
 PO1CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
 RO1CA-04679-15 0005 Biology of normal and malignant melanocytes - Chemistry of MSH racemization (frogs)
 ** P02CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
 ** PO1CA-07304-11 0038 Steroid hormone production and metabolism in cancer - Protein hormones-ACTH (human)
 ** RO1CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
 ** RO1CA-11685-05 Tumor cell synthesis and secretion of peptide hormones (human, mice)
 ** RO1CA-12370-04 Cellular function in cancer and viral transformation (mice)
 RO1CA-14638-02 An adrenal tumor-Cytochrome P.450 and steroidogenesis (mice)
 RO1CA-15155-01 Cyclic AMP-Role in adrenal tumor steroidogenesis (rats)
 RO1CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
 RO1CA-16265-01 Cytochrome P450 in carcinogenesis and steroid synthesis (rats, cattle)
 RO1DA-01006-01 Narcotic addiction and neuroendocrine function (cats, rats)
 RO1EY-00024-06 Response of ocular pressure to corticosteroids (human)
 ** RO1GM-02907-23 ACTH and related peptides (rats, rabbits)
 P11GM-15559-07 0041 Clinical pharmacology - Pediatric clinical pharmacology
 PO1GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
 RO1GM-16488-06 0005 Hepatic microsomal drug oxidation - Hormone modification of adrenal cytochrome P-450 (rats)
 RO1HD-00072-11 Androgen metabolism in childhood (human)
 ** PO1HD-02881-07 0001 Developmental and behavioral neuroendocrinology - Prenatal studies (mice)
 PO1HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
 ** PO1HD-02881-07 0003 Developmental and behavioral neuroendocrinology - Psychobiology of lactation (rabbits, squirrel monkeys)
 ** PO1HD-02881-07 0005 Developmental and behavioral neuroendocrinology - Hormones and learning in adults (squirrel monkeys)
 RO1HD-03159-07 Hypophysial response to estrogens and progestins (human, monkeys, cattle, rats)
 PO1HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 PO1HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
 RO1HD-04173-10 Androgen metabolism (human)
 RO1HD-04354-22 Mechanisms of hormone action (rats)
 ** RO1HD-04392-04 Effects of aging on steroid metabolism in man
 ** PO1HD-04583-06 0018 Mental retardation research center - Neuroendocrine control of the circadian rhythm (rats)
 RO1HD-04688-05 Effects of prepubertal stress on adult sexual behavior (rats)
 ** PO1HD-05077-05 0013 Reproductive biochemistry and medicine - Tritium labeled polypeptide and protein hormones (rats, human)
 RO1HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
 ** RO1HD-05571-03 Prenatal stress-Hormonal and genotypical factors (rats)
 PO1HD-05874-04 0001 Biochemical regulation of aging processes - Age-dependent control of enzyme adaptation (rats)
 PO1HD-05874-04 0003 Biochemical regulation of aging processes - Hormone binding macromolecules during development and aging (rats, human)
 RO1HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
 RO1HD-06284-03 Production rate of HGH and other hormones in growth (human)
 RO1HD-06467-03 Role of foeto-placental unit in maintenance of pregnancy (rats, monkeys)
 RO1HD-06701-03 Mechanisms of puberty (rats)
 RO1HD-06950-01 Exteroceptive and neuroendocrine regulation of ovulation (baboon, rat)
 RO1HD-07036-02 Biochemistry of placental development and function (continued)
 RO1HD-08478-01 Primate endocrine regulation in the perinatal period
 RO1HD-08712-01 Mechanisms of postnatal enzyme development (rats)
 RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
 RO1HL-03429-15 Central nervous system and coronary heart disease (human)
 RO1HL-04372-14 Lipolytic enzymes in plasma and tissues (rats, sheep)
 RO1HL-06975-13 Pathogenesis of hypertension (rats, human)
 PO1HL-08203-12 0027 Renal homotransplantation in man - Endocrine studies (human, chickens)
 RO1HL-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
 RO1HL-09921-09 0015 Mechanisms of congestive heart failure - Aldosterone secretory rate and concentration in plasma
 RO1HL-09921-09 0018 Mechanisms of congestive heart failure - Sodium depletion stimulus and volume depletion stimulus (dogs)
 RO1HL-09921-09 0021 Mechanisms of congestive heart failure - Isolation and identification of a head factor (dogs, rats)
 RO1HL-09921-09 0023 Mechanisms of congestive heart failure - Cross-circulation experiments (dogs)
 RO1HL-11046-08 Renin, angiotensin, steroids, ions and blood pressure (human, sheep, rabbits)
 RO1HL-11293-08 Biochemical problems with aldosterone and DOC (rats, mice)
 RO1HL-12758-13 Regulation of aldosterone secretion (human, rats)
 RO1HL-12869-05 Arterial metabolism, diabetes and atherosclerosis (hamsters, mice, rats, human)
 RO1HL-13476-04 Plasma aldosterone in normal and hypertensive man
 P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
 P17HL-14214-04 0001 Neonatal lung center - Steroid biosynthesis and metabolism during pregnancy and parturition (sheep)
 ** P17HL-14214-04 0003 Neonatal lung center - Fetal and neonatal lung studies (human, lambs, rats)
 P17HL-14214-04 0015 Neonatal lung center - Lipid synthesis in lungs of newborn (human, sheep)
 ** P17HL-14214-04 0019 Neonatal lung center - Cyclic AMP as mediator of ACTH response (lambs)
 RO1HL-14358-03 Mechanism of angiotensin action on target tissues (dogs)
 RO1HL-14863-02 Hypertension in man-Role of renin-aldosterone
 ** P18HL-15170-03 0013 Comprehensive sickle cell disease center - Effect of sodium and potassium cyanate treatment on hormone action (human)
 RO1HL-15732-02 Mineralocorticoid hypertension (rats)
 RO1HL-16037-01 Molecular properties of cardiac adrenergic receptors
 RO1MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
 RO1MH-16127-06 0008 Muscle enzyme release in the acute psychoses - Failure of phenylcyclidine to enhance PCPK levels following stress (rats)
 RO1MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
 ** PO1MH-23861-02 0009 Biogenic amines and behavior - Brain serotonin and the pituitary-adrenal system (rats, human)
 ** PO1MH-23861-02 0010 Biogenic amines and behavior - Relation of catecholamines to pituitary-adrenal function (rats, human)
 RO1MH-25133-02 0007 Steroid hormones in depressive illness - Depression and mania in Cushing's syndrome (human)
 RO3MH-25353-01 Maternal behavior and early experience (rats)
 RO3MH-25384-01 Hormonal influences on time-dependent memory processes (rats)
 RO1NS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
 RO1NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
 RO1NS-04988-11 Cholinergic receptor activation and desensitization (frogs)
 RO1NS-07080-08 Gene expression in nervous tissue (rats)
 ** PO1NS-07253-06 0018 Center for clinical studies of head injuries - Effects of head injury on hypothalamic-hypophysial function (human)
 PO1NS-08711-04 0011 Fundamental studies relating to multiple sclerosis - Electrophysiology (human)
 ** RO1NS-09800-03 Regulation of ACTH-Role of neural inhibition (rats)
 ** RO1NS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
 RO1NS-11061-01 Regulation of adrenergic metabolism (rats)
 RO1NS-11443-01 Computational investigations of problems in neurology
 ** RO1NS-11522-01 Neural-corticosteroid interaction and brain function (cats, rats)
 ** PO1NS-11642-01 0002 Basic and clinical neuroendocrinology - Neural pathways involved with ACTH secretion (rats)
 RO1OH-00331-05 The sleep-waking cycle and its neuro-endocrine correlates (human)
 ** MO1RR-00030-13 0109 General clinical research center - Adrenal and extra-adrenal effects of ACTH and related peptides (human)
 ** MO1RR-00031-14 0068 General clinical research center - Pituitary-adrenal relationship-Aldosterone secretion in normal man
 ** MO1RR-00034-14 0080 General clinical research center - ACTH 4-10 study (human)
 MO1RR-00035-14 0122 General clinical research centers - Regulation of aldosterone in anephric patients

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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MO1RR-00036-14 0017 General clinical research center - Adrenogenital and Stein-Leventhal syndromes (human)
 MO1RR-00043-14 0022 General clinical research center - Pathogenesis of Cushing's syndrome (human)
 ** MO1RR-00043-14 0067 General clinical research center - ACTH and cortisol dynamics in various diseases (human)
 MO1RR-00051-13 0084 General clinical research center - Episodic secretion of aldosterone (human)
 MO1RR-00052-13 0030 General clinical research center for children - Endocrinology-Growth hormone
 ** MO1RR-00053-13 0001 Clinical research center - Cortisol and ACTH secretory patterns (human)
 MO1RR-00053-13 0028 Clinical research center - Sleep and endocrine patterns in opiate addicts (human)
 MO1RR-00053-13 0029 Clinical research center - The sleep-wake cycle and its neuro-endocrine correlates (human)
 ** MO1RR-00065-12 0038 General clinical research center - Relationship of renin-angiotensin system, ACTH on adrenal steroid output (human)
 MO1RR-00071-11 0010 General clinical research center - Central nervous system-Pituitary-adrenal interrelations (human)
 MO1RR-00075-11 0066 General clinical research center for children - Immune parameters in juvenile myasthenia gravis
 MO1RR-00107-11 0049 General clinical research center - Psychotherapeutic drugs on cortisol-ACTH secretion in Cushing's disease (human)
 MO1RR-00211-10 0031 General clinical research center - Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man
 MO1RR-00240-10 0102 General clinical research center - Children - Role of HGH in ACTH control of glucocorticoid secretion
 MO1RR-00305-08 0010 Clinical research center for children - Physiologic interrelationship of adrenal and gonadal androgenic function
 MO1RR-00318-08 0042 General clinical research center - Effects of depo-provera on adrenal function (human)
 ** MO1RR-00334-08 0018 General clinical research center - ACTH suppressibility in Nelson's syndrome (human)
 ** MO1RR-00334-08 0033 General clinical research center - Diurnal ACTH rhythm in Cushing's disease (human)
 ** MO1RR-00349-08 0027 General clinical research center - Corticotropin secretion in man
 ** MO1RR-00349-08 0035 General clinical research center - Stability of human corticotropin
 ** MO1RR-00425-06 0032 General clinical research center - Dose response relationship between plasma cortisol and ACTH (human)
 ** MO1RR-00628-04 0068 General clinical research center for children - Cortisol response to hypoglycemia-A diagnostic test for ACTH reserves
 MO1RR-00633-02 0068 General clinical research center - Renin-aldosterone response to sodium depletion and ACTH in hypertension (human)
 MO1RR-00633-02 0070 General clinical research center - Relationship PRA, ACTH, K, Na, HGH and aldosterone in aldosteronism (human)
 MO1RR-00645-03 0007 Clinical research center - Hypertension caused by renal disease (human)
 ** MO1RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
 ** MO1RR-00722-02 0035 General Clinical Research Center - Effect of synthetic and other ACTHS on release of tropic hormones (human, sheep)
 MO1RR-00750-02 0001 General clinical research center - Mineralocorticoid hypertension (human)
 ** MO1RR-00827-01 0004 General clinical research center - Effect of ACTH and cyclic AMP on adrenal cancer

PITUITARY-DIENCEPHALON HORMONES, ACTH ANALOGS

** MO1RR-00722-02 0035 General Clinical Research Center - Effect of synthetic and other ACTHS on release of tropic hormones (human, sheep)

PITUITARY-DIENCEPHALON HORMONES, ACTH INHIBITORS

SEE ALSO PYRIDINES, METYRAPON
 RO1GM-16488-06 0012 Hepatic microsomal drug oxidation - Effect of the chemical inhibitors metyrapone and dioxypyrimethylene hemyl compounds
 ** MO1RR-00064-10 0008 General clinical research center - Diurnal variation in suppression of ACTH by glucocorticoids (human)
 MO1RR-00064-10 0060 General clinical research center - Effect of drugs on metabolism of glucocorticoids, metyrapone and ACTH
 ** MO1RR-00095-14 0001 General clinical research center - Regulation of pituitary function (human)
 ** MO1RR-00229-09 0064 General clinical research center - Stimulation and inhibition of ACTH release in pituitary disease (human)
 MO1RR-00645-03 0003 Clinical research center - Low renin essential hypertension (human) nephrotic edema (human)

PITUITARY-DIENCEPHALON HORMONES, ACTH RELEASING FACTOR

** RO1AM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)
 RO1AM-01447-19 Neuroendocrine and thyroid physiology (rats)
 ** RO1AM-03370-15 Factors influencing pituitary-adrenal function (rodents)
 ** RO1AM-05318-13 Pituitary-adrenal physiology and pharmacology (human)
 ** RO1AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
 ** RO1AM-08547-08 Neural control of ACTH release (human, rats)
 RO1AM-09094-09 Physiology of hypothalamic neurohumors (rabbits, rats)
 ** RO1AM-11496-06 Regulation of anterior pituitary secretions (rats)
 ** RO1AM-13129-07 Pituitary adipokinetic substances (mammals, human)
 ** RO1AM-13820-05 Isolated adenohypophysial cells (rats)
 RO1AM-14132-05 Adrenocortical function and membrane potential (rats, rabbits)
 ** RO1AM-14952-04 Hemodynamic control of adrenal corticoid secretion (cats)
 RO1AM-17679-01 Analysis of glucocorticoid system functions (rats, dogs)
 RO1HD-00778-10 Role of the brain in male and female reproduction (rats)
 ** PO1HD-06645-03 0027 Center for population research - Purification and function of hypothalamic peptides
 RO1NS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
 ** MO1RR-00034-14 0041 General clinical research center - Drugs affecting secretion of corticotropin (human)
 ** MO1RR-00064-10 0010 General clinical research center - Procedure for measuring abnormalities in ACTH release (human)
 ** MO1RR-00095-14 0001 General clinical research center - Regulation of pituitary function (human)
 MO1RR-00095-14 0003 General clinical research center - Clinical hyperadrenocorticism (human)
 ** MO1RR-00229-09 0064 General clinical research center - Stimulation and inhibition of ACTH release in pituitary disease (human)

PITUITARY-DIENCEPHALON HORMONES, COHERIN

** MO1RR-00645-03 0065 Clinical research center - Newly discovered active peptides in posterior pituitary (human)

PITUITARY-DIENCEPHALON HORMONES, DIENCEPHALON HORMONES

SEE ALSO BRAIN, DIENCEPHALON
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, ACTH RELEASING FACTOR
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, GONADOTROPINS REGULATING FACTORS
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, MELATONIN
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, MIF
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, NEUROHYPOPHYSEAL HORMONES
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, NEUROPHYSIN
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, PROLACTIN RELEASE REGULATING FACTORS
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN REGULATING FACTORS
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN RELEASING FACTORS

** RO1AM-04784-14 Control of secretion of hypothalamic hormones
 ** RO1CA-07535-11 Influence of hormones on tissue metabolism (rats)
 RO1GM-18694-03 Conformation of biopolymers and peptide hormones
 RO1GM-20085-15 The regulation of electrolyte balance in surgery (human, dogs, rats)
 ** RO1HD-06192-03 Physiological studies of hypothalamic hormones (sheep, cattle, chickens)
 ** PO1HD-06645-03 0027 Center for population research - Purification and function of hypothalamic peptides
 RO1HD-07727-02 Photoperiodic control of reproduction (hamsters)
 RO1HD-08279-01 Effects of aging on the CNS-Pituitary gonadal axis (rats)
 ** RO1HD-08313-02 Regulation of anterior pituitary function in rat and man
 RO1HD-08389-01 Neuroendocrine control of pituitary hormone secretion (rats)
 RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)

PITUITARY-DIENCEPHALON HORMONES, FSH

RO1AM-00180-23 Relation of hormones to growth and development (human)
 RO1AM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)

RO1AM-01447-19 Neuroendocrine and thyroid physiology (rats)
 RO1AM-03598-15 Production of pituitary hormones (human, animals)
 RO1AM-04784-14 Control of secretion of hypothalamic hormones
 ** RO1AM-07564-12 Characterization of human pituitary gonadotropins
 ** RO1AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
 RO1AM-09094-09 Physiology of hypothalamic neurohumors (rabbits, rats)
 ** RO1AM-10073-09 Neurohumoral control of the anterior pituitary (rats)
 ** RO1AM-12583-06 Immunocytologic studies on pituitary gonadotropins (rats)
 RO1AM-13710-05 Metabolism and control of testosterone in man
 ** RO1AM-15902-03 Perfusion study of anterior pituitary function (rats)
 ** RO1AM-16748-01 Human gonadotropins-Chemical structure, immunobiology
 P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation
 ** RO1AM-17334-02 Release of HGH, HPRL, HLH and MFSH in sleep-wake cycles (human)
 RO1AM-17545-01 Qualitative factors in anterior pituitary regulation
 RO1AM-17780-01 Secretion in pituitary and other cells (rabbits, rats)
 MO1AM-90056-17 Collection of rat pituitaries and assaying hormones
 PO1CA-07368-11 0011 Interrelationships of normal and cancer cells - Pituitary tumor cell growth and hormone production (human, tissue culture)
 RO1CA-10935-12 Steroid hormone metabolism and tumorigenic action (mice)
 ** RO1CA-13908-02 Gonadotropin-receptors in normal and neoplastic ovaries (human, cows, rats)
 ** RO1CA-15574-01 Hypothalamic-pituitary function and mammary neoplasia
 RO1CA-15622-01 Endocrinology of experimental ovarian tumors (parabiotic rats)
 RO1CA-16952-14 Sex chromosomes of cells (mice)
 PO1GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
 ** RO1HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
 RO1HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)
 RO1HD-00739-09 Functioning of corpora lutea (swine)
 MO1HD-02149-04 Control of ovulation and corpus luteum function (rodents)
 MO1HD-02250-06 Radioimmunoassay for Rhesus monkey gonadotropins
 RO1HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
 RO1HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
 ** RO1HD-02371-08 Hormone control of the mammary gland (human, animals)
 PO1HD-02528-08 0079 Research center in mental retardation - Spermatogenesis and gonadotropin feedback (rats)
 RO1HD-03159-07 Hypophyseal response to estrogens and progestins (human, monkeys, cattle, rats)
 PO1HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophyseal-gonadal axis (rats, human)
 ** RO1HD-03726-08 Human pituitary gonadotropins (also rats)
 PO1HD-03803-06 0007 Control mechanism in reproduction and development - Circadian rhythm and reproductive cycles (sparrows, lizards, hamsters)
 PO1HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 RO1HD-03968-14 Reproductive physiology in the Rhesus monkey
 RO1HD-04173-10 Androgen metabolism (human)
 PO1HD-05077-05 0005 Reproductive biochemistry and medicine - Pre- and postovulation plasma levels of steroids and gonadotropins (human)
 PO1HD-05077-05 0006 Reproductive biochemistry and medicine - Negative feedback of steroids upon FSH and LH secretion (human, monkeys)
 PO1HD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)
 ** RO1HD-05105-13 Pituitary-gonadal interrelationship (human)
 RO1HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
 ** PO1HD-05318-04 0001 Reproductive endocrinology - Assay development (human, rats, monkeys)
 ** PO1HD-05318-04 0002 Reproductive endocrinology - Studies in rats
 ** PO1HD-05318-04 0003 Reproductive endocrinology - Studies in humans

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01HD-05318-04 0004 Reproductive endocrinology - Immunomorphology of hormone-target tissue interaction (rats, primates, human)
- P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
- P01HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)
- P01HD-05797-04 0027 Population and reproductive biology - In vitro fertilization of oocytes (human)
- R01HD-05862-04 Gonadotrophin control of human female meiosis (also monkeys, mice)
- P01HD-05969-03 0005 Events that control fertilization - Sex steroids, follicular growth and ovulation (monkey, guinea pig, goat, rabbit)
- P01HD-05969-03 0006 Events that control fertilization - Function of androgens in female reproduction (monkeys)
- R01HD-06209-03 Gonadotropin release and biological rhythms (women, men)
- R01HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
- R01HD-06233-03 Control of selective ovarian follicular growth (lizards)
- ** R01HD-06316-03 Gonado-pituitary axis in the rat
- R01HD-06486-02 Augmented steroidogenesis by testis slices (rabbits)
- R01HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
- R01HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
- R01HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)
- R01HD-06701-03 Mechanisms of puberty (rats)
- R01HD-06809-02 Hormone levels and body composition in adolescence (human)
- R01HD-06868-02 Biochemical aspects of male sexual maturation (rabbits, rats, human)
- R01HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
- R01HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)
- R01HD-07088-02 Nutritional effects on serum gonadotropin in women
- P01HD-07110-02 0022 Biomedical center for population research - Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman)
- R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- R01HD-07196-02 Isolation of circulating pituitary gonadotropins (rats)
- R01HD-07204-03 Regulation of androgen secretion in mammalian testes (rabbits)
- R01HD-07252-01 Genetic and endocrine control of prenatal loss (mice)
- P01HD-07495-02 0016 Center for population research, studies in reproductive biology - Mechanism of action of gonadotropins (rats)
- ** R01HD-07503-02 Biology of the testis-Action of FSH (rats)
- R01HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
- R01HD-07602-02 Neural influence on hypophyseal-gonadal function (monkeys, rats)
- R01HD-07651-02 Ovarian growth factor, control of ovarian tumors (rats)
- R01HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
- R01HD-07685-01 Gynecomastia-Hormonal and testicular abnormalities
- R01HD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
- R01HD-07711-01 Extra-ovarian control of gonadotropin secretion (rats)
- R01HD-07727-02 Photoperiodic control of reproduction (hamsters)
- ** R01HD-07749-02 Neuroelectric correlates of gonadotropin release (rats)
- R01HD-07762-01 Hormonal regulation of luteal function and regression (rats)
- ** R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
- R01HD-07926-01 Human fetal neuroendocrinology
- ** R01HD-08228-01 Testicular receptors of follicle-stimulating hormones (human, rats, primates)
- R01HD-08313-02 Regulation of anterior pituitary function in rat and man
- ** P01HD-08338-01 0003 Control of male reproduction - Gonadotropin secretion in LH and FSH clone cultures (mice)
- P01HD-08338-01 0004 Control of male reproduction - Hormonal control of spermatogenesis in vitro (rats)
- P01HD-08338-01 0005 Control of male reproduction - Pituitary gonadal interaction in men
- P01HD-08338-01 0006 Control of male reproduction - Cyclic nucleotide phosphodiesterase isozymes, ornithine decarboxylase in testis
- P01HD-08338-01 0007 Control of male reproduction - Hormonal control of steroidogenesis (rat testes)
- ** P01HD-08338-01 0010 Control of male reproduction - Interaction of FSH and androgens in testis (rats)
- P01HD-08338-01 0011 Control of male reproduction - Hormonal control of spermatogenesis (rats)
- ** P01HD-08338-01 0012 Control of male reproduction - The gonado pituitary feedback
- ** P01HD-08338-01 0014 Control of male reproduction - Carbohydrate moieties of LH and FSH (sheep, swine)
- R01HD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
- R01HD-08466-01 Mechanism of luteinization in vitro and in vivo (monkeys, swine)
- R01HD-08478-01 Primate endocrine regulation in the perinatal period
- R01HD-08636-01 Reproductive endocrine development in the monkey (rhesus)
- ** R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- N01HD-12234-04 Contraceptive development studies for males (human)
- ** N01HD-22713-03 Structure-activity of LH and FSH-releasing peptides (animals)
- N01HD-22725-04 Contraceptive steroids in beagles
- ** N01HD-22741-04 Synthesis and evaluation of decapeptide analogs of LH-RH(FSH-RH)
- N01HD-22763-03 Biochemistry and mechanism of action of human gonadotropins
- N01HD-22776-03 Endocrine changes in vasectomized men
- N01HD-92134-09 Endocrine regulation of the corpus luteum (sheep)
- P01HL-14734-03 0007 Hormonal factors in atherosclerosis and hyperlipemia - Gonadotropins (human)
- R01HL-14873-02 Sickle cell disease-Biological effects of cyanate (human, mammals)
- R01HL-14990-02 Lipid transport (chickens)
- R03MR-25408-01 Neurotransmitters affecting pituitary hormone release (rats)
- R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- R01NS-09378-04 Neurological mutants (mice)
- P01NS-11642-01 0015 Basic and clinical neuroendocrinology - Hormonal secretion in human pituitary cell culture
- M01RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)
- M01RR-00031-14 0036 General clinical research center - Pituitary-ovarian relationships (human)
- M01RR-00031-14 0073 General clinical research center - Control of human corpus luteum function
- M01RR-00035-14 0116 General clinical research centers - Induction of ovulation in hypogonadotropic patients
- ** M01RR-00040-14 0100 General clinical research center - Studies of FSH and LH secretion (human)
- M01RR-00043-14 0011 General clinical research center - Regulation of gonadotropins in male (human)
- M01RR-00044-14 0095 General clinical research center - FSH producing pituitary tumor (human)
- M01RR-00048-13 0031 Clinical center - Pharmacokinetics of diphenhydantoin (human)
- M01RR-00052-13 0035 General clinical research center for children - Sexual development, gonadotropins
- ** M01RR-00053-13 0023 Clinical research center - Gonadotropin release and biological rhythms (human)
- ** M01RR-00053-13 0065 Clinical research center - Episodic secretion of hormones-Luteinizing hormones (human)
- M01RR-00053-13 0076 Clinical research center - Steroid metabolism in polycystic ovary syndrome (human)
- M01RR-00055-13 0065 General clinical research center - Influence of chorionic gonadotropins in hypopituitarism (human)
- M01RR-00059-13 0140 General clinical research center - Measurement of LH, FSH, estradiol and progesterone in menstrual disorders (human)
- M01RR-00075-11 0038 General clinical research center for children - Pituitary-gonadal interrelationship
- M01RR-00079-12 0112 General clinical research center - Evaluation of gonadotropin secretion (human)
- M01RR-00128-10 0043 General clinical research center for children - Human gonadotropins and testicular development
- M01RR-00211-10 0047 General clinical research center - Hirsutism and amenorrhea (human)
- M01RR-00349-08 0054 General clinical research center - Human gonadotropin on ovarian function
- M01RR-00349-08 0062 General clinical research center - 'Oversuppression syndrome' and endocrine abnormalities (human)
- ** M01RR-00425-06 0012 General clinical research center - Threshold dose of ethinyl estradiol for LH and FSH suppression (human)
- M01RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
- M01RR-00722-02 0026 General Clinical Research Center - Etiology of dysfunctional uterine bleeding (human)
- M01RR-00722-02 0027 General Clinical Research Center - Hypothalamic-pituitary control in ovulation and corpus luteum function (human)
- M01RR-00722-02 0035 General Clinical Research Center - Effect of synthetic and other ACTHS on release of tropic hormones (human, sheep)
- ** M01RR-00722-02 0037 General Clinical Research Center - Factors that affect the metabolic clearance rate of various hormones (human)
- M01RR-00749-02 0020 General clinical research center - Kallman's syndrome or hypogonadotropic eunuchoidism with anosmia (human)
- M01RR-00827-01 0023 General clinical research center - Mechanisms of gonadotropin control and action (human)
- M01RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
- M01RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)
- M01RR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation
- M01RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males

PITUITARY-DIENCEPHALON HORMONES, GONADOTROPINS REGULATING FACTORS
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, PROLACTIN RELEASE REGULATING FACTORS

- ** R01AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
- ** R01AM-07564-12 Characterization of human pituitary gonadotropins
- R01AM-09094-09 Physiology of hypothalamic neurohumors (rabbits, rats)
- R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)
- ** R01AM-10073-09 Neurohumoral control of the anterior pituitary (rats)
- R01AM-11237-08 Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- ** R01AM-12583-06 Immunocytologic studies on pituitary gonadotropins (rats)
- ** R01AM-13605-04 Control of prolactin secretion (rats, hamsters, guinea pigs)
- R01AM-15165-04 Adipose tissue metabolism in obesity (human, rats)
- ** R01AM-15902-03 Perfusion study of anterior pituitary function (rats)
- R01AM-17334-02 Release of HGH, HPRL, HLH and HFSH in sleep-wake cycles (human)
- ** R01AM-17634-01 Endocrine aspects of peptide hormone metabolism (rats, primates)
- ROICA-05191-15 Some endocrine aspects of neoplasia (mice)
- ** P11GM-12675-10 0056 Biochemical toxicology and pharmacology - Effects of drugs on hypothalamic control of gonadotropin release
- P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- ** R01HD-00778-10 Role of the brain in male and female reproduction (rats)
- R01HD-01182-12 Ovarian-hypothalamic-hypophyseal axis (rats)
- R01HD-03159-07 Hypophyseal response to estrogens and progestins (human, monkeys, cattle, rats)
- P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophyseal-gonadal axis (rats, human)
- ** R01HD-04375-04 Role of light in CNS-pituitary-gonadal control (rats)
- P01HD-05077-05 0013 Reproductive biochemistry and medicine - Tritium labeled polypeptide and protein hormones (rats, human)
- R01HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
- P01HD-05318-04 0001 Reproductive endocrinology - Assay development (human, rats, monkeys)
- ** P01HD-05318-04 0002 Reproductive endocrinology - Studies in rats
- R01HD-05414-03 Steroid biochemistry of the hypothalamic-ovarian axis (rats, human)
- R01HD-05622-04 Factors controlling the timing of LH release (rats, rabbits)
- R01HD-05794-04 Somatotrope metabolism and lactotrope metabolism (human, rats)
- P01HD-05797-04 0027 Population and reproductive biology - In vitro fertilization of oocytes (human)
- R01HD-05860-03 Environment, genetics and phenomonal ovulation (mice)
- ** R01HD-06316-03 Gonado-pituitary axis in the rat
- R01HD-06527-02 Control of testicular function (birds)
- ** P01HD-06645-03 0004 Center for population research - Effect of pituitary and placental gonadotropins on ovary (monkeys)
- ** R01HD-06720-02 Fetal hypophyseal-gonadal relationships
- R01HD-06761-03 Serotonergic mechanisms in inhibition of ovulation (rats)
- ** R01HD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)
- ** R01HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)
- R01HD-07422-02 Regulation of pineal enzymic activity by sex steroids (quail)
- ** R01HD-07499-01 Neuroendocrine control of LH release in the hamster

(contd)

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

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R01HD-07602-02 Neural influence on hypophysal-gonadal function (monkeys rats)

** R01HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)

** R01HD-07729-01 Regulation of LH release by gonadotropin releasing factor

** R01HD-07841-01 Physiological role of Gn-RH (sheep, rats)

R01HD-08035-01 Regulation of the human hypothalamic-pituitary system

P01HD-08338-01 0012 Control of male reproduction - The gonado pituitary feedback

** R01HD-08389-01 Neuroendocrine control of pituitary hormone secretion (rats)

** R01HD-08478-01 Primata endocrine regulation in the perinatal period

R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)

M01HD-12232-03 Model to study inhibition of LH action (human, rats)

M01HD-22713-03 Structure-activity of LH and FSH-releasing peptides (animals)

R01MH-21178-03 Physiological aspects of mating behavior (rats)

** R03MH-25408-01 Neurotransmitters affecting pituitary hormone release (rats)

M01RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)

M01RR-00031-14 0036 General clinical research center - Pituitary-ovarian relationships (human)

** M01RR-00040-14 0100 General clinical research center - Studies of FSH and LH secretion (human)

M01RR-00054-13 0070 General clinical research center - Synthetic LH-RH as a pituitary diagnostic test (human)

** M01RR-00056-13 0045 General Clinical Research Center - Pituitary gonadotropins and disorders of growth and sexual development (human)

M01RR-00059-13 0156 General clinical research center - Use of AY-24031 as a pituitary diagnostic test (human)

** M01RR-00075-11 0038 General clinical research center for children - Pituitary-gonadal interrelationship

M01RR-00079-12 0073 General clinical research center - Insulin, GH and gonadotropic secretion in growth retardation (human)

** M01RR-00079-12 0112 General clinical research center - Evaluation of gonadotropin secretion (human)

M01RR-00079-12 0131 General clinical research center - Luteinizing releasing factor (human)

** M01RR-00134-10 0055 General clinical research center - Effect synthetic LH releasing factor on pituitary function in man

** M01RR-00134-10 0060 General clinical research center - Effect of luteinizing hormone releasing factor in anovulatory women

** M01RR-00827-01 0023 General clinical research center - Mechanisms of gonadotropin control and action (human)

** M01RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)

PITUITARY-DIENCEPHALON HORMONES, LH-ICSH

R01AM-00180-23 Relation of hormones to growth and development (human)

** R01AM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)

R01AM-01447-19 Neuroendocrine and thyroid physiology (rats)

R01AM-03598-15 Production of pituitary hormones (human, animals)

R01AM-04784-14 Control of secretion of hypothalamic hormones

** R01AM-06097-20 Pituitary lactogenic and gonadotropic hormones (human, animals)

R01AM-06164-12 Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats)

** P01AM-06704-12 0004 Neural and humoral control of endocrine function - Reproductive neuroendocrinology (rats)

** R01AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)

** R01AM-07564-12 Characterization of human pituitary gonadotropins

R01AM-08893-10 Mechanisms responsible for ligamentous strength (animals)

** R01AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)

R01AM-09094-09 Physiology of hypothalamic neurohumors (rabbits, rats)

** R01AM-09801-09 The chemistry of luteinizing hormones (human, swine, sheep)

R01AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)

** R01AM-10073-09 Neurohumoral control of the anterior pituitary (rats)

R01AM-10273-08 Chorionic gonadotropin (human, sheep, rats)

** R01AM-12583-06 Immunocytologic studies on pituitary gonadotropins (rats)

R01AM-13710-05 Metabolism and control of testosterone in man

R01AM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)

** R01AM-15902-03 Purification study of anterior pituitary function (rats)

R01AM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)

** R01AM-16748-01 Human gonadotropins-Chemical, structure, immunobiology

** R01AM-16794-02 Neural regulation and anterior pituitary (rats)

P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation

** R01AM-17326-02 Studies of pituitary hormone secretion and synthesis

** R01AM-17334-02 Release of MGH, HPRL, HLH and FHSN in sleep-wake cycles (human)

R01AM-17420-01 Peptide hormone structure and function

R01AM-17538-10 Mucopolysaccharide metabolism in exophthalmos (human)

R01AM-17545-01 Qualitative factors in anterior pituitary regulation

R01AM-17780-01 Secretion in pituitary and other cells (rabbits, rats)

M01AM-90056-17 Collection of rat pituitaries and assaying hormones

R01CA-02290-21 Purification and chemistry of protein hormones (human, animals)

** P01CA-07304-11 0039 Steroid hormone production and metabolism in cancer - LH and FSH-secretion in sleep during puberty (human)

** P01CA-07304-11 0040 Steroid hormone production and metabolism in cancer - Effect of sleep-wake cycle reversal on LH secretion (children)

P01CA-07304-11 0041 Steroid hormone production and metabolism in cancer - Endocrine function in gonadotropin deficiency (human)

** P01CA-07304-11 0042 Steroid hormone production and metabolism in cancer - LH release at mid-menstrual cycle

** P01CA-07304-11 0043 Steroid hormone production and metabolism in cancer - Pattern of LH secretion in sleep in normal men

P01CA-07368-11 0011 Interrelationships of normal and cancer cells - Pituitary tumor cell growth and hormone production (human, tissue culture)

** R01CA-12414-03 Hormonal control of prostatic carcinoma (human)

R01CA-12448-04 Effect of progesterone on prostate size and morphology (human)

P02CA-13148-03 0002 Pilot cancer center - Hormone assays in gynecologic tumors

** R01CA-13908-02 Gonadotropin-receptors in normal and neoplastic ovaries (human, cows, rats)

** P02CA-15145-01 0002 Cancer center support grant - Prostaglandin and LH action in corpus luteum

** R01CA-15574-01 Hypothalamic-pituitary function and mammary neoplasia

R01CA-15622-01 Endocrinology of experimental ovarian tumors (parabiotic rats)

R01CA-16952-14 Sex chromosomes of cells (mice)

R01DA-00296-01 Effects of acute and chronic methadone treatment (rats)

R01ES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)

P01GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities

R01GM-19998-02 Role of cell membrane in hormone secretion and action (rats, mice)

R01HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)

R01HD-00371-20 Hormonal function in growth and development in childhood (human)

** R01HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)

R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)

R01HD-00739-09 Functioning of corpora lutea (swine)

R01HD-00778-10 Role of the brain in male and female reproduction (rats)

P01HD-00781-11 0015 Studies on prematurity - Role of HCG in immunosuppression (sheep)

R01HD-02138-12 Central nervous system regulation of reproduction (rats)

M01HD-02149-04 Control of ovulation and corpus luteum function (rodents)

M01HD-02250-06 Radioimmunoassay for Rhesus monkey gonadotropins

** M01HD-02310-05 Regulate changes in corpus luteum physiology in the rat

R01HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)

R01HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)

** R01HD-02371-08 Hormone control of the mammary gland (human, animals)

P01HD-03015-08 0015 Program for developmental biology - Development of hormone dependent ovarian tissue culture (rats)

R01HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)

** R01HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)

R01HD-03159-07 Hypophysal response to estrogens and progesterins (human, monkeys, cattle, rats)

P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophysal-gonadal axis (rats, human)

** R01HD-03726-08 Human pituitary gonadotropins (also rats)

P01HD-03803-06 0007 Control mechanism in reproduction and development - Circadian rhythm and reproductive cycles (sparrows, lizards, hamsters)

P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)

R01HD-03968-14 Reproductive physiology in the Rhesus monkey

R01HD-04064-06 Role of steroid sulfates in gonadal tissue (human, sheep, rats)

R01HD-04173-10 Androgen metabolism (human)

R01HD-04312-06 Physiologic control of prolactin secretion (rats)

** R01HD-04683-05 Fetal sexual differentiation (rats)

P01HD-05077-05 0005 Reproductive biochemistry and medicine - Pre- and postovulation plasma levels of steroids and gonadotropins (human)

P01HD-05077-05 0006 Reproductive biochemistry and medicine - Negative feedback of steroids upon FSH and LH secretion (human, monkeys)

P01HD-05077-05 0007 Reproductive biochemistry and medicine - Positive feedback of estrogens and progesterone on LH (human, monkeys)

** P01HD-05077-05 0009 Reproductive biochemistry and medicine - Human gonadotropin and chorionic growth hormone prolactin

P01HD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)

** R01HD-05105-13 Pituitary-gonadal interrelationship (human)

** R01HD-05114-03 CNS control of gonadotropin and prolactin secretion (sheep, rats)

R01HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)

R01HD-05276-04 Androgen in reproduction-Production and actions (human, mice)

** P01HD-05318-04 0001 Reproductive endocrinology - Assay development (human, rats, monkeys)

** P01HD-05318-04 0002 Reproductive endocrinology - Studies in rats

** P01HD-05318-04 0003 Reproductive endocrinology - Studies in humans

** P01HD-05318-04 0004 Reproductive endocrinology - Immunomorphology of hormone-target tissue interaction (rats, primates, human)

** R01HD-05622-04 Factors controlling the timing of LH release (rats, rabbits)

P01HD-05797-04 0027 Population and reproductive biology - In vitro fertilization of oocytes (human)

R01HD-05860-03 Environment, genetics and pheromonal ovulation (mice)

R01HD-05862-04 Gonadotropin control of human female meiosis (also monkeys, mice)

P01HD-05969-03 0005 Events that control fertilization - Sex steroids, follicular growth and ovulation (monkey, guinea pig, goat, rabbit)

P01HD-05969-03 0006 Events that control fertilization - Function of androgens in female reproduction (monkeys)

R01HD-06104-03 Follicular maturation (human)

R01HD-06192-03 Physiological studies of hypothalamic hormones (sheep, cattle, chickens)

R01HD-06209-03 Gonadotropin release and biological rhythms (women, men)

R01HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)

R01HD-06371-03 Dynamics of ovulation (rabbits, swine)

R01HD-06387-03 Polyamine metabolism in reproductive physiology (rats)

R01HD-06486-02 Augmented steroidogenesis by testis slices (rabbits)

R01HD-06513-03 Prostaglandin and LH action in corpus luteum (rats, rabbits, swine)

R01HD-06527-02 Control of testicular function (birds)

R01HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)

** R01HD-06555-01 Physiological studies on LH-releasing hormone (animals)

** R01HD-06556-03 Hormonal control of delayed implantation (skunks)

R01HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)

R01HD-06642-03 Metabolism of the proovulatory follicle (rabbits)

** P01HD-06645-03 0005 Center for population research - Role of LH and cyclic AMP in cholesterol ester hydrolysis

R01HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)

R01HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)

R01HD-06701-03 Mechanisms of puberty (rats)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)
- R01HD-06720-02 Fetal hypophyseal-gonadal relationships
- R01HD-06761-03 Serotonergic mechanisms in inhibition of ovulation (rats)
- ** R01HD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)
- R01HD-06809-02 Hormone levels and body composition in adolescence (human)
- R01HD-06868-02 Biochemical aspects of male sexual maturation (rabbits, rats, human)
- R01HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
- R01HD-06948-02 Endocrine correlates with prostaglandin F2A (cattle)
- R01HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)
- R01HD-07088-02 Nutritional effects on serum gonadotropin in women
- P01HD-07110-02 0022 Biomedical center for population research - Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman)
- R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- R01HD-07196-02 Isolation of circulating pituitary gonadotropins (rats)
- R01HD-07204-03 Regulation of androgen secretion in mammalian testes (rabbits)
- R01HD-07252-01 Genetic and endocrine control of prenatal loss (mice)
- ** R01HD-07499-01 Neuroendocrine control of LH release in the hamster
- R01HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
- R01HD-07602-02 Neural influence on hypophyseal-gonadal function (monkeys, rats)
- P01HD-07640-01 0005 Program project in reproductive biology - Changes in control of the corpus luteum induced by implantation (rats)
- R01HD-07651-02 Ovarian growth factor, control of ovarian tumors (rats)
- R01HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
- R01HD-07685-01 Gynecomastia-Hormonal and testicular abnormalities
- R01HD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
- R01HD-07711-01 Extra-ovarian control of gonadotropin secretion (rats)
- R01HD-07727-02 Photoperiodic control of reproduction (hamsters)
- ** R01HD-07729-01 Regulation of LH release by gonadotropin releasing factor
- ** R01HD-07749-02 Neuroelectric correlates of gonadotropin release (rats)
- R01HD-07762-01 Hormonal regulation of luteal function and regression (rats)
- ** R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
- ** R01HD-07841-01 Physiological role of Gn-RH (sheep, rats)
- ** R01HD-07926-01 Human fetal neuroendocrinology
- ** R01HD-08099-01 Mode of action of luteinizing hormone (rats)
- ** R01HD-08180-01 LH receptor sites in luteal cells, lutotrophic factors (cattle)
- R01HD-08229-01 Hormonal control of vaginal circulation (sheep, cattle, human)
- R01HD-08313-02 Regulation of anterior pituitary function in rat and man
- ** P01HD-08338-01 0003 Control of male reproduction - Gonadotropin secretion in LH and FSH clone cultures (mice)
- P01HD-08338-01 0004 Control of male reproduction - Hormonal control of spermatogenesis in vitro (rats)
- P01HD-08338-01 0005 Control of male reproduction - Pituitary gonadal interaction in men
- P01HD-08338-01 0006 Control of male reproduction - Cyclic nucleotide phosphodiesterase isozymes, ornithine decarboxylase in testis
- P01HD-08338-01 0007 Control of male reproduction - Hormonal control of steroidogenesis (rat testes)
- ** P01HD-08338-01 0014 Control of male reproduction - Carbohydrate moieties of LH and FSH (sheep, swine)
- R01HD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
- ** R01HD-08389-01 Neuroendocrine control of pituitary hormone secretion (rats)
- ** R01HD-08466-01 Mechanism of luteinization in vitro and in vivo (monkeys, swine)
- R01HD-08478-01 Primate endocrine regulation in the perinatal period
- R01HD-08636-01 Reproductive endocrine development in the monkey (rhesus)
- R01HD-08692-01 Dynamics of estrogen biosynthesis (human)
- R01HD-08924-01 Role of brain monoamines in gonadotropin release (rats)
- R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- ** M01HD-12232-03 Model to study inhibition of LH action (human, rats)
- M01HD-12234-04 Contraceptive development studies for males (human)
- M01HD-12236-02 Develop automated immunoradiometric assay system
- ** M01HD-22713-03 Structure-activity of LH and FSH-releasing peptides (animals)
- M01HD-22725-04 Contraceptive steroids in beagles
- ** M01HD-22741-04 Synthesis and evaluation of decapeptide analogs of LH-RH(FSH-RH)
- M01HD-22763-03 Biochemistry and mechanism of action of human gonadotropins
- M01HD-22776-03 Endocrine changes in vasectomized men
- M01HD-92134-09 Endocrine regulation of the corpus luteum (sheep)
- ** M01HD-92221-08 Properties of chemically modified LH and LH subunits
- ** P01HL-08682-11 0007 Regulation of the cardiovascular system - Neural and vascular feedbacks in endocrinology (rats)
- P01HL-14734-03 0007 Hormonal factors in atherosclerosis and hyperlipemia - Gonadotropins (human)
- R01HL-14873-02 Sickle cell disease-Biological effects of cyanate (human, mammals)
- P01MH-17565-03 0004 Genetics of the XYY phenomena in man - Endocrine investigations (human)
- ** R01MH-21178-03 Physiological aspects of mating behavior (rats)
- R01MH-21312-03 0020 Endocrinological determinants of behavior - Positive feedback of estradiol for LH and behavioral activation (monkeys)
- R01MH-23645-02 0006 Behavior-hormone changes in adolescence - Biochemical techniques (chimpanzee)
- ** R01MH-25133-02 0004 Steroid hormones in depressive illness - LH secretion in affective disorders (human)
- R03MH-25408-01 Neurotransmitters affecting pituitary hormone release (rats)
- R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- ** P01NS-07253-06 0018 Center for clinical studies of head injuries - Effects of head injury on hypothalamic-hypophyseal function (human)
- R01NS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
- R01NS-09378-04 Neurological mutants (mice)
- ** P01NS-11642-01 0006 Basic and clinical neuroendocrinology - Localization and secretion of LRF (mink, rats)
- P01NS-11642-01 0009 Basic and clinical neuroendocrinology - Ultrastructural localization of neural hormones
- ** M01RR-00030-13 0119 General clinical research center - Use of LH releasing factor in pituitary function test
- M01RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)
- M01RR-00031-14 0036 General clinical research center - Pituitary-ovarian relationships (human)
- M01RR-00031-14 0073 General clinical research center - Control of human corpus luteum function
- M01RR-00035-14 0116 General clinical research centers - Induction of ovulation in hypogonadotropic patients
- ** M01RR-00040-14 0100 General clinical research center - Studies of FSH and LH secretion (human)
- M01RR-00043-14 0011 General clinical research center - Regulation of gonadotropins in male (human)
- ** M01RR-00050-13 0070 Wilson's disease - Thyrotropin releasing factor and luteinizing hormone releasing factor in man
- ** M01RR-00052-13 0035 General clinical research center for children - Sexual development, gonadotropins
- M01RR-00053-13 0012 Clinical research center - Estradiol metabolites as feedback controls (human)
- M01RR-00053-13 0015 Clinical research center - Hyperestrogenism in males with nodular adrenal hyperplasia (human)
- ** M01RR-00053-13 0023 Clinical research center - Gonadotropin release and biological rhythms (human)
- ** M01RR-00053-13 0054 Clinical research center - Secretion of luteinizing hormone during menstruation (human)
- ** M01RR-00053-13 0064 Clinical research center - Changes in sleep stage pattern during menstruation (human)
- ** M01RR-00053-13 0065 Clinical research center - Episodic secretion of hormones-Luteinizing hormones (human)
- M01RR-00053-13 0074 Clinical research center - Elevated plasma cortisol in anorexia nervosa (human)
- M01RR-00053-13 0076 Clinical research center - Steroid metabolism in polycystic ovary syndrome (human)
- M01RR-00053-13 0080 Clinical research center - Endocrine function in isolated gonadotropin deficiency (human)
- ** M01RR-00054-13 0068 General clinical research center - Hypophysiotropic hormones, TRH, LRH in body fluids (human)
- ** M01RR-00054-13 0070 General clinical research center - Synthetic LH-RH as a pituitary diagnostic test (human)
- M01RR-00055-13 0065 General clinical research center - Influence of chorionic gonadotropins in hypopituitarism (human)
- ** M01RR-00055-13 0066 General clinical research center - Response of TSH, LH and prolactin to TRH and L-dopa (human)
- ** M01RR-00055-13 0103 General clinical research center - Estradiol induction of LH release in males
- M01RR-00059-13 0102 General clinical research center - Preovulatory phase of human menstrual cycle
- M01RR-00059-13 0140 General clinical research center - Measurement of LH, FSH, estradiol and progesterone in menstrual disorders (human)
- ** M01RR-00070-12 0082 General clinical research center - Levels of testosterone and luteinizing hormone in plasma of normal males
- M01RR-00075-11 0038 General clinical research center for children - Pituitary-gonadal interrelationship
- M01RR-00079-12 0073 General clinical research center - Insulin, GH and gonadotropin secretion in growth retardation (human)
- M01RR-00079-12 0112 General clinical research center - Evaluation of gonadotropin secretion (human)
- ** M01RR-00079-12 0131 General clinical research center - Luteinizing releasing factor (human)
- M01RR-00084-12 0031 General clinical research center - Children - Control factors in timing of sexual maturation
- M01RR-00128-10 0043 General clinical research center for children - Human gonadotropins and testicular development
- ** M01RR-00134-10 0055 General clinical research center - Effect synthetic LH releasing factor on pituitary function in man
- ** M01RR-00134-10 0060 General clinical research center - Effect of luteinizing hormone releasing factor in anovulatory women
- M01RR-00211-10 0047 General clinical research center - Hirsutism and amenorrhea (human)
- ** M01RR-00261-09 0110 General clinical research center - Use of LH releasing hormone pituitary diagnosis (human)
- M01RR-00349-08 0054 General clinical research center - Human gonadotropin on ovarian function
- M01RR-00349-08 0062 General clinical research center - 'Oversuppression syndrome' and endocrine abnormalities (human)
- ** M01RR-00425-06 0012 General clinical research center - Threshold dose of ethinyl estradiol for LH and FSH suppression (human)
- M01RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
- M01RR-00722-02 0026 General Clinical Research Center - Etiology of dysfunctional uterine bleeding (human)
- M01RR-00722-02 0027 General Clinical Research Center - Hypothalamic-pituitary control in ovulation and corpus luteum function (human)
- M01RR-00722-02 0035 General Clinical Research Center - Effect of synthetic and other ACTHS on release of tropic hormones (human, sheep)
- ** M01RR-00722-02 0037 General Clinical Research Center - Factors that affect the metabolic clearance rate of various hormones (human)
- ** P07RR-00757-02 0016 Implementation of laboratory automation system - Tertiary structure of luteinizing hormone releasing factor
- M01RR-00827-01 0023 General clinical research center - Mechanisms of gonadotropin control and action (human)
- M01RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
- M01RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)
- M01RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males
- M01RR-00847-01 0015 Clinical research centers - Serum and urine gonadotropin levels in abnormal sexual development (human)

PITUITARY-DIENCEPHALON HORMONES, MELATONIN

- R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
- ** R01AM-13129-07 Pituitary adipokinetic substances (mammals, human)
- ** P01HD-04583-06 0020 Mental retardation research center - Indoleamine metabolism and function in the pineal (rats)
- ** R01HD-07422-02 Regulation of pineal enzymic activity by sex steroids (quail)
- R01HD-08313-02 Regulation of anterior pituitary function in rat and man
- P01MH-08618-10 0044 Biological studies of psychotic disorders - Hydroxyisole-O-methyltransferase and N-methyltransferase (human)
- ** R01NS-08554-06 Functions of the pineal complex (chickens, lizards)
- R01NS-08677-06 Light-Neural control endocrine function (rats, monkeys)
- R01NS-09763-03 Role of indole amines in brain maturation (mice, toads)
- R01NS-10600-02 Role of pineal organ in brain function (fish)

(contd)

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- PO1NS-11642-01 0010 Basic and clinical neuroendocrinology 2 Fine structural correlates of pineal gland function (hamsters)
- ** MO1RR-00125-11 0159 General clinical research center-adult-child - Effect of melatonin on skin pigmentation and the endocrine system
- PITUITARY-DIENCEPHALON HORMONES, MIF**
- RO1AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
- RO1AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
- ** RO1HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
- RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- ** RO1NS-07664-07 Control of MSH release and role of MIF (frogs, rats)
- PITUITARY-DIENCEPHALON HORMONES, MSH**
- RO1AM-02463-16 Investigation of the thyroid and pituitary (human, rats)
- ** PO1AM-09650-10 0007 Hormonal and ionic control of metabolism - Effect of MSH upon melanin granule migration
- RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- RO1AM-13567-05 Biofunctional conformation of peptide hormones (cattle)
- ** RO1AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
- P17AM-17026-01 0022 Vanderbilt University Diabetes-Endocrinology Center - Synthesis and secretion of peptide hormones
- RO1AM-17454-01 Hormone metabolizing and binding proteins (human)
- RO1CA-05191-15 Some endocrine aspects of neoplasia (mice)
- RO1CA-07093-12 Tyrosinases-Mechanism of action and regulation (human, rodents, pigs)
- ** RO1CA-11685-05 Tumor cell synthesis and secretion of peptide hormones (human, mice)
- RO1CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- ** RO1GM-02907-23 ACTH and related peptides (rats, rabbits)
- PO1GM-11301-12 0005 Structure, function and biosynthesis of macromolecules - Protein modifying reactions in vitro (mammals)
- PO1GM-20124-02 0005 Center for human genetics and inherited disease - Regulation of phenotypic expression by melanoma cells (mice, hamsters)
- PO1GM-20124-02 0006 Center for human genetics and inherited disease - Nuclear acidic proteins regulating genetic expression (mice, hamsters)
- ** RO1HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
- RO1HD-07926-01 Human fetal neuroendocrinology
- ** RO1NS-07664-07 Control of MSH release and role of MIF (frogs, rats)
- ** RO1NS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
- ** MO1RR-00039-14 0052 General clinical research center - Biological active peptides in animal tissues (monkeys, cattle)
- MO1RR-00125-11 0218 General clinical research center-adult-child - Cyclic AMP dynamics in lipotrophic diabetes
- PITUITARY-DIENCEPHALON HORMONES, MSH, ALPHA MSH**
- RO1AM-16879-01 Neuro-endocrine studies in cell culture system (mice)
- RO1CA-04679-15 0001 Biology of normal and malignant melanocytes - Melanocytes (frogs)
- RO1CA-04679-15 0004 Biology of normal and malignant melanocytes - Transfer of melanosomes
- RO1CA-04679-15 0005 Biology of normal and malignant melanocytes - Chemistry of MSH racemization (frogs)
- RO1CA-04679-15 0006 Biology of normal and malignant melanocytes - Protyrosinase to tyrosinase reaction (frogs)
- PITUITARY-DIENCEPHALON HORMONES, NEUROHYPOPHYSEAL HORMONES**
- SEE ALSO LIPID MOBILIZING FACTORS PITUITARY
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, COHERIN
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, DIENCEPHALON HORMONES
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, OXYTOCIN
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, VASOTOCIN
- RO1AM-01940-16 Neurohypophysial regulation of water excretion (rats, cats, fish)
- ** RO1AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
- RO1AM-10508-09 Ontogeny of osmotic and ionic regulation (frogs, salamanders)
- ** RO1AM-13567-05 Biofunctional conformation of peptide hormones (cattle)
- ** RO1AM-15622-03 Neurohypophysial hormone secretion in tissue culture (rat, chick embryo, anurans)
- RO1AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
- RO1GM-18752-03 Solid-phase peptide synthesis (animals)
- ** RO1HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- RO1HD-06351-03 Neurohypophysial hormones-Structure-activity and phyta
- RO1HL-11391-07 Experimental basis for shock therapy (rats, human)
- RO1HL-12462-05 Pharmacologic studies on vascular smooth muscle (dogs, rats)
- PITUITARY-DIENCEPHALON HORMONES, NEUROPHYSIN**
- RO1AM-08469-11 Hereditary diabetes insipidus (mice)
- ** RO1AM-13567-05 Biofunctional conformation of peptide hormones (cattle)
- RO1AM-14928-15 Pathogenesis of some sequelae of streptococcal disease (human, rats, rabbits)
- RO1AM-15507-03 Irreversible inhibition of specific peptide receptors
- ** RO1AM-16166-01 The physiology of neurophysin secretion (human, animals)
- RO1AM-17420-01 Peptide hormone structure and function
- RO1GM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
- RO1GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
- PO1HD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)
- RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- ** MO1RR-00056-13 0046 General Clinical Research Center - Plasma neurophysin study during vasopressin-related events (human)
- ** MO1RR-00056-13 0058 General Clinical Research Center - Neurophysin in human sodium balance
- ** MO1RR-00645-03 0036 Clinical research center - Posterior pituitary hormones (human)
- PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN**
- PO1HD-06645-03 0027 Center for population research - Purification and function of hypothalamic peptides
- PITUITARY-DIENCEPHALON HORMONES, OXYTOCINS**
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, OXYTOCIN
- PO1GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
- RO1GM-18752-03 Solid-phase peptide synthesis (animals)
- RO1HD-06351-03 Neurohypophysial hormones-Structure-activity and phyta
- RO1MH-04582-13 Synthesis of compounds related to lysergic acid (rats, mice, guinea pigs)
- PITUITARY-DIENCEPHALON HORMONES, OXYTOCIN**
- SEE ALSO PROTEASES AND PEPTIDASES, OXYTOCINASE
- ** RO1AM-01320-18 Structure of proteins and peptide hormones
- ** RO1AM-01588-18 Metabolism of antidiuretic hormone (dogs, rats)
- RO1AM-08469-11 Hereditary diabetes insipidus (mice)
- RO1AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
- RO1AM-13567-05 Biofunctional conformation of peptide hormones (cattle)
- RO1AM-13743-05 Motion and proximity relations in polypeptides
- RO1AM-15507-03 Irreversible inhibition of specific peptide receptors
- RO1AM-16175-03 Secretion of vasopressin (human, dogs)
- RO1AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
- RO1AM-17420-01 Peptide hormone structure and function
- RO1GM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
- RO1GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
- RO1HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
- RO1HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- RO1HD-04358-15 Neural and hormonal regulation of lactation (rats)
- ** RO1HD-04411-03 Humoral factors regulation oxytocin release (sheep)
- RO1HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- RO1HD-05932-02 Transport, measurement and clinical use of plasma estril (human)
- PO1HD-05969-03 0008 Events that control fertilization - Effects of prostaglandins on systemic and regional blood flow (rabbits, monkeys)
- RO1HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
- PO1HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
- ** PO1HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
- RO1HD-06351-03 Neurohypophysial hormones-Structure-activity and phyta
- RO1HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
- RO1HD-06963-09 Properties of smooth muscle (rats)
- RO1HD-07290-02 Control of timing and character of labor (human, animals)
- RO1HD-07693-01 Hormonal interactions in uterus (cattle)
- ** RO1HD-08406-01 Mechanism of action of oxytocin on the uterus (swine, rats)
- RO1HL-11668-07 0020 Cineangiographic studies of the cardiovascular system - Mediators of acute renal failure (dogs)
- ** RO1HL-11680-08 Amino acids, polypeptides and related compounds (rats)
- RO1HL-12462-05 Pharmacologic studies on vascular smooth muscle (dogs, rats)
- RO1MH-25251-01 CNS regulation of eating and drinking behavior (rats)
- RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- MO1RR-00056-13 0046 General Clinical Research Center - Plasma neurophysin study during vasopressin-related events (human)
- ** MO1RR-00210-10 0043 General clinical research center-Maternal-child - Comparison of dinoprost and oxytocin in labor induction
- ** MO1RR-00210-10 0047 General clinical research center-Maternal-child - Oxytocin studies in pregnancy
- MO1RR-00322-08 0026 General clinical research center - Control of gastrointestinal hemorrhage by mesenteric drug infusion (human)
- MO1RR-00645-03 0035 Clinical research center - Prolactin (human)
- ** MO1RR-00645-03 0036 Clinical research center - Posterior pituitary hormones (human)
- ** MO1RR-00645-03 0056 Clinical research center - State of consciousness and hormonal control of water balance (human)
- PITUITARY-DIENCEPHALON HORMONES, PITUITARY HORMONES**
- SEE ALSO LIPID MOBILIZING FACTORS PITUITARY
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, ACTH
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, FSH
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, MSH
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, NEUROHYPOPHYSEAL HORMONES
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, PROLACTIN
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
- SEE ALSO PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN
- SEE ALSO REPRODUCTIVE HORMONES, GONADOTROPINS
- M PO1AM-00704-12 Neural and humoral control of endocrine function
- RO1AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
- RO1AM-11496-06 Regulation of anterior pituitary secretions (rats)
- RO1AM-13499-06 Regulation of liver growth and function (rats)
- ** RO1AM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)
- ** RO1AM-16342-01 Pituitary and adrenals in glucagon release and activity (rats, dogs)
- RO1AM-16529-01 New diabetogenic peptide from human pituitary glands (human, rabbits and rats)
- ** P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation
- P17AM-17046-01 0002 Diabetes endocrinology center - Ketacidosis and hyperosmolar coma (human)
- ** RO1AM-17326-02 Studies of pituitary hormone secretion and synthesis
- RO1CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)
- PO1CA-10893-06 0006 Cancer Research Center - Prenoeplastic mammary lesions (mice)
- RO1CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- ** RO1CA-12635-03 Pathogenesis of plasma cell tumors (mice)
- ** RO1CA-12726-03 A new human blood factor purification
- PO1CA-14599-01 0024 University of Chicago Cancer Research Center - Hormonal milieu in breast cancer (human)
- ** MO1CP-43230-00 Pituitary hormones and androgens (mice, guinea pig, hamster, dogs, human)
- PI0ES-00002-12 0008 Occupational and environmental health - Action of organophosphate insecticides (rats)
- ** P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- ** PO1HD-05318-04 0004 Reproductive endocrinology - Immunomorphology of hormone-target tissue interaction (rats, primates, human)
- RO1HD-07420-01 Sex hormone production and secretion in the chick embryo

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

** R01HD-08712-01 Mechanisms of postnatal enzyme development (rats)
 R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
 R01MH-19438-04 0002 Neurochemistry of obesity and learned taste aversions - Peripheral and endocrine influences on changes in feeding (rats)
 ** R03MH-25408-01 Neurotransmitters affecting pituitary hormone release (rats)
 ** MO1RR-00030-13 0040 General clinical research center - Pituitary adrenal axis suppression by steroids in dermatologic disorders (human)
 MO1RR-00031-14 0045 General clinical research center - Pituitary-adrenal axis interrelationship with edematous states (human)
 MO1RR-00035-14 0101 General clinical research centers - Pituitary hormone in hypopituitarism (human)
 MO1RR-00036-14 0017 General clinical research center - Adrenogenital and Stein-Leventhal syndromes (human)
 MO1RR-00043-14 0035 General clinical research center - Effect of L-dopa on pituitary function (human)
 MO1RR-00046-14 0018 General clinical research center - Regulation of pituitary-adrenal function in pathological states (human)
 MO1RR-00052-13 0038 General clinical research center for children - Sexual precocity
 ** MO1RR-00052-13 0041 General clinical research center for children - Pituitary hormones in relationship to other hormones
 MO1RR-00059-13 0009 General clinical research center - Hormonal characteristics in menstruation disorders (human)
 MO1RR-00059-13 0103 General clinical research center - Follicular maturation in disordered menses (human)
 ** MO1RR-00068-12 0029 General clinical research center - Systemic physiological response to head injury (human)
 ** MO1RR-00076-12 0079 General clinical research center - Evaluation of pituitary, adrenal, thyroid and parathyroid function (human)
 MO1RR-00079-12 0123 General clinical research center - Hypothalamic-pituitary function in Cushing's syndrome (human)
 ** MO1RR-00125-11 0165 General clinical research center - adult-child - Role of pituitary gland and regulation of aldosterone secretion
 ** MO1RR-00211-10 0061 General clinical research center - Effect of dexamethasone on catecholamines and pituitary-adrenal axis in man
 ** MO1RR-00240-10 0070 General clinical research center - Children - Control and metabolic effects of pituitary hormones
 MO1RR-00749-02 0046 General clinical research center - Danazol in treatment of precocious puberty (human)

PITUITARY-DIENCEPHALON HORMONES, PROLACTIN

SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
 SEE ALSO REPRODUCTIVE HORMONES, CHORIONIC SOMATOMAMMOTROPIN

R01AM-01447-19 Neuroendocrine and thyroid physiology (rats)
 R01AM-03370-15 Factors influencing pituitary-adrenal function (rodents)
 R01AM-03598-15 Production of pituitary hormones (human, animals)
 R01AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)
 R01AM-04784-14 Control of secretion of hypothalamic hormones
 R01AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
 ** P02AM-05630-12 0010 Metabolic unit for the Department of Medicine - Prolactin and its role in disease (human)
 ** R01AM-05655-14 The physiology of growth hormone (primates)
 ** R01AM-06097-20 Pituitary lactogenic and gonadotropic hormones (human, animals)
 ** P01AM-06704-12 0004 Neural and humoral control of endocrine function - Reproductive neuroendocrinology (rats)
 R01AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
 ** R01AM-07672-11 Metabolic changes during early lactation (rats, cattle)
 R01AM-08154-10 0002 Genetic control of hemoglobin synthesis - Genetic control of hemoglobin synthesis (hamsters)
 R01AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
 R01AM-09094-09 Physiology of hypothalamic neurohumors (rabbits, rats)
 ** R01AM-09537-09 Conversion of growth hormone and prolactin (human, dogs)
 R01AM-10723-08 Immunocytochemistry and physiology of growth hormones (human)
 R01AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
 ** R01AM-11161-07 Somatotrophic activities vertebrate prolactins (animals)
 R01AM-11376-13 Plasma hormone-binding proteins and estrogen action (mammals)

P01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
 R01AM-12533-06 Immunocytologic studies on pituitary gonadotrophins (rats)
 ** R01AM-12861-06 Structure and activity of growth hormone (sheep, cattle)
 ** R01AM-13217-06 Secretion and metabolism of prolactin (sheep, rats)
 ** R01AM-13605-04 Control of prolactin secretion (rats, hamsters, guinea pigs)
 ** R01AM-13776-04 Anterior pituitary hormone biosynthesis (rats, sheep)
 R01AM-14039-06 Thyroid stimulating hormones in plasma (human)
 P01AM-15515-03 0003 Psoriasis biology, psoriogenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
 R01AM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)
 ** R01AM-15899-03 Control of bovine serum prolactin concentration (cattle)
 ** R01AM-16065-03 Primary structures of growth hormones and prolactins (human, vertebrates)
 ** R01AM-16168-03 Human prolactin, growth hormone, and placental lactogen (human, animals)
 ** R01AM-16731-02 Hormonal action in amphibian skin (newts)
 R01AM-17226-01 Growth factor from pleocercoids of *S. mansoni* (also animals)
 ** R01AM-17334-02 Release of HGH, HPRL, HLH and HFSH in sleep-wake cycles (human)
 R01AM-17545-01 Qualitative factors in anterior pituitary regulation
 R01AM-90056-17 Collection of rat pituitaries and assaying hormones
 P01CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
 R10CA-03740-16 Cooperative breast cancer group (human)
 ** R01CA-05197-15 Endocrine factors influencing tumor growth in man
 ** R01CA-05388-15 0003 Biology of mammary neoplasia - Developmental and endocrinological studies (human, animals)
 R01CA-05671-14 0013 Glucocorticoid receptors in normal and malignant tissue - Tumor inhibition of enzyme induction (rats)
 P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
 P02CA-05831-13 0004 Cancer clinical research - Hormone producing non-andocrine tumors (human)
 P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
 R01CA-05985-13 0004 Stages of carcinogenesis of the cervix uteri in mice - Single locus models for ovarian and pituitary tumorigenesis (mice)
 P02CA-07177-11 0007 Clinical cancer research center - Hormonal requirements for breast tumor growth in organ culture (human)
 ** P02CA-07177-11 0009 Clinical cancer research center - Radioimmunoassay of plasma prolactin in breast cancer patients
 P01CA-07368-11 0011 Interrelationships of normal and cancer cells - Pituitary tumor cell growth and hormone production (human, tissue culture)
 ** R01CA-07535-11 Influence of hormones on tissue metabolism (rats)
 ** P02CA-08480-09 0002 Childhood cancer research center - Molecular mechanisms of growth hormone (rats)
 R01CA-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
 ** R01CA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
 ** P02CA-11198-06 0001 Cancer research center - Influence of synthetic progestins on canine mammary glands & organ cultures
 R01CA-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
 ** R01CA-11704-04 Prolactin (human)
 ** R01CA-12519-03 Identity and radioassay of prolactin in breast cancer (human)
 R01CA-12857-03 Function and interactions of mammary carcinoma cells (rats)
 ** P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
 P02CA-13696-02 0008 Clinical cancer research center - Endocrine studies in breast cancer (human)
 P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
 P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
 R01CA-13777-02 Potential of ergot alkaloids in control of breast cancer (mice, rats)
 R01CA-13881-02 Radiation in vitro - Mammary cell survival - Neoplasia (rats)
 R01CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
 ** R01CA-14200-02 Tumor inhibition by prolactin inhibiting factor (animals)

R01CA-14727-01 Estrogen action on DMBA-induced mammary tumor (rats)
 P02CA-15145-01 0024 Cancer center support grant - Hormone dependent urogenital tumors in rodents
 ** R01CA-15574-01 Hypothalamic-pituitary function and mammary neoplasia
 R01CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
 ** R01CA-16149-01 Role of prolactin in breast and prostate cancer (human)
 ** N01CB-23859-02 The role of prolactin in breast cancer (human, rats)
 ** N01CB-23863-02 Isolation of prolactin cells from the adenohypophysis
 ** N01CB-33881-01 Prolactin radioimmunoassays for breast cancer (human)
 N01CB-43866-00 Mammary gland responsiveness to multiple hormones
 ** N01CP-43250-00 Supply of human prolactin
 R01EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
 P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
 R01GM-16714-06 Homeostasis in mammalian hibernation (hamsters, ground squirrels)
 R01GM-20338-07 Histone biochemistry and the influence of hormones (rats)
 ** R01HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
 R01HD-00739-09 Functioning of corpora lutea (swine)
 ** R01HD-01231-24 Anterior pituitary hormones (animals)
 R01HD-02138-12 Central nervous system regulation of reproduction (rats)
 ** R01HD-02371-08 Hormone control of the mammary gland (human, animals)
 ** R01HD-02455-08 Metabolic and endocrine effects of peptide hormones (human, monkeys)
 P01HD-02528-08 0080 Research center in mental retardation - Pregnancy stress and fetal growth (rats)
 R01HD-03968-14 Reproductive physiology in the Rhesus monkey
 ** R01HD-04063-06 Growth hormone and prolactin (humans, animals)
 ** R01HD-04312-06 Physiologic control of prolactin secretion (rats)
 R01HD-04358-15 Neural and hormonal regulation of lactation (rats)
 R01HD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
 R01HD-04375-04 Role of light in CNS-pituitary-gonadal control (rats)
 ** P01HD-05077-05 0009 Reproductive biochemistry and medicine - Human gonadotropin and chorionic growth hormone prolactin
 ** R01HD-05114-03 CNS control of gonadotrophin and prolactin secretion (sheep, rats)
 ** R01HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
 ** P01HD-05318-04 0001 Reproductive endocrinology - Assay development (human, rats, monkeys)
 ** P01HD-05318-04 0002 Reproductive endocrinology - Studies in rats
 P01HD-05671-03 0035 Center for population research - Dopa, methyl dopa and CBS 145 on pregnancy, progesterone and prolactin (rats)
 R01HD-05751-04 Brain mechanisms of reproductive behavior (rats, other vertebrates)
 ** R01HD-05794-04 Somatotrope metabolism and lactotrope metabolism (human, rats)
 R01HD-06007-03 0002 Metabolism of myoinositol during development (rats) - Myoinositol activity in mammary glands
 R01HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
 R01HD-06419-03 Hormonal control of lactogenesis (rats)
 R01HD-06513-03 Prostaglandin and LH action in corpus luteum (rats, rabbits, swine)
 R01HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
 ** R01HD-06556-03 Hormonal control of delayed implantation (skunks)
 R01HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
 R01HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
 ** R01HD-06633-02 Radioimmunoassay of relaxin and its applications (human, sheep)
 R01HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)
 R01HD-06701-03 Mechanisms of puberty (rats)
 ** R01HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)
 R01HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
 ** R01HD-06867-02 Influence of prolactin on the testis (rats, mice, rabbits)
 ** R01HD-06872-02 Endocrine regulation of maternal behavior (rats)
 R01HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** R01HD-06929-02 Fetal health and amniotic fluid HCS and prolactin (monkeys)
 R01HD-06948-02 Endocrine correlates with prostaglandin F2A (cattle)
 P01HD-07110-02 0012 Biomedical center for population research - Reproductive endocrinology (rodents)
 R01HD-07242-01 Prolactin, progesterone and broodiness (turkeys)
 R01HD-07252-01 Genetic and endocrine control of prenatal loss (mice)
 P01HD-07495-02 0021 Center for population research, studies in reproductive biology - Nuclear transplantation (amphibians)
 R01HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
 R01HD-07602-02 Neural influence on hypothyseal-gonadal function (monkeys, rats)
 R01HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
 R01HD-07685-01 Gynecomastia-Hormonal and testicular abnormalities
 ** R01HD-07722-01 Neural regulation of prolactin secretion in the rat
 ** R01HD-07749-02 Neuroelectric correlates of gonadotropin release (rats)
 R01HD-07762-01 Hormonal regulation of luteal function and regression (rats)
 ** R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
 ** R01HD-07843-01 Placental and pituitary protein and polypeptide hormones (human, rabbit)
 R01HD-07926-01 Human fetal neuroendocrinology
 R01HD-07972-01 Ovarian involution in aging (rats)
 ** R01HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
 ** R01HD-08230-01 Biochemistry of prolactin activity (mammals)
 R01HD-08279-01 Effects of aging on the CNS-Pituitary gonadal axis (rats)
 P01HD-08338-01 0003 Control of male reproduction - Gonadotropin secretion in LH and FSH clone cultures (mice)
 R01HD-08362-01 Environmental stimulation, hormones and CNS development (rats)
 ** R01HD-08389-01 Neuroendocrine control of pituitary hormone secretion (rats)
 R01HD-08924-01 Role of brain monoamines in gonadotropin release (rats)
 M01HD-22725-04 Contraceptive steroids in beagles
 M01HD-42871-00 Rat placental lactogen radioimmunoassay (rats, rabbits)
 M01HD-92134-09 Endocrine regulation of the corpus luteum (sheep)
 R01HL-06975-13 Pathogenesis of hypertension (rats, human)
 R01HL-13880-04 Effect of cardiac disease on ADH release (human)
 R01HL-17328-01 Lung growth in vivo and in vitro-Hormonal influences (rats)
 R01MH-04582-13 Synthesis of compounds related to lysergic acid (rats, mice, guinea pigs)
 ** R01MH-08604-11 0001 Psychobiology of maternal behavior - Development during pregnancy and parturition (rats)
 R01MH-08604-11 0005 Psychobiology of maternal behavior - Hormonal changes in maternal behavior after hysterectomy (rats)
 P01MH-16674-06 0024 A program of psychiatry-oriented biological research - Clomiphene stimulation test of dopamine system in schizophrenics
 R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
 ** R01MH-25133-02 0002 Steroid hormones in depressive illness - Prolactin response to chlorpromazine (human)
 R03MH-25408-01 Neurotransmitters affecting pituitary hormone release (rats)
 R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
 R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
 R01NS-09378-04 Neurological mutants (mice)
 ** R01NS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
 M01RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)
 M01RR-00031-14 0036 General clinical research center - Pituitary-ovarian relationships (human)
 ** M01RR-00034-14 0047 General clinical research center - Prolactin secretion in breast cancer (human)
 ** M01RR-00036-14 0123 General clinical research center - Control of prolactin secretion (human)
 ** M01RR-00036-14 0138 General clinical research center - Effect of prostaglandin E1 on human prolactin levels (human)
 ** M01RR-00036-14 0156 General clinical research center - Prolactin secretion in pituitary and hypothalamic disease (human)
 M01RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)
 M01RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)

** M01RR-00046-14 0040 General clinical research center - Endocrine and metabolic effects of pituitary stalk section (human)
 ** M01RR-00048-13 0021 Clinical center - Effect of TRH on pituitary-thyroid axis in man
 ** M01RR-00051-13 0081 General clinical research center - Regulation of prolactin secretion (human)
 ** M01RR-00053-13 0062 Clinical research center - Human prolactin-24 hr pattern with increased release during sleep
 M01RR-00053-13 0075 Clinical research center - Urinary steroid metabolism in obesity (human)
 ** M01RR-00053-13 0082 Clinical research center - Syndrome of adrenal hyperplasia with feminization and hyperprolactinemia (human)
 M01RR-00055-13 0065 General clinical research center - Influence of chorionic gonadotropins in hypopituitarism (human)
 ** M01RR-00055-13 0066 General clinical research center - Response of TSH, LH and prolactin to TRH and L-dopa (human)
 M01RR-00079-12 0086 General clinical research center - Evaluation of TSH secretion in children
 ** M01RR-00079-12 0129 General clinical research center - Prolactin secretion in hypothalamic and pituitary disorders (human)
 ** M01RR-00080-12 0067 General clinical research center - Human prolactin studies
 ** M01RR-00084-12 0038 General clinical research center-children - Prolactin and somatomedin in hypopituitarism after surgery for craniopharyngioma
 M01RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)
 M01RR-00334-08 0014 General clinical research center - Effect of hormones on estrogen receptor activity in tissue culture (human)
 ** M01RR-00645-03 0035 Clinical research center - Prolactin (human)
 ** M01RR-00645-03 0038 Clinical research center - Human growth hormone and prolactin (human)
 M01RR-00645-03 0069 Clinical research center - Prolactin response to TRH in somatotropin deficient children
 M01RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)
 ** M01RR-00833-01 0009 General clinical research center - Prolactin secretion in man
 ** M01RR-00833-01 0010 General clinical research center - Prolactin-Metabolic effects in man
PITUITARY-DIENCEPHALON HORMONES, PROLACTIN RELEASE REGULATING FACTORS
 R01AM-06164-12 Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats)
 ** R01AM-10073-09 Neurohumoral control of the anterior pituitary (rats)
 R01AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
 M01RR-00833-01 0009 General clinical research center - Prolactin secretion in man
 M01RR-00833-01 0010 General clinical research center - Prolactin-Metabolic effects in man
PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, PROLACTIN
 SEE ALSO PITUITARY GLAND DISORDERS, ACROMEGALY
 SEE ALSO SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY
 R22AI-08209-07 Cellular responses to cholera toxin (rats, bacteria, protozoa)
 R01AM-06180-23 Relation of hormones to growth and development (human)
 R01AM-00888-19 Prediction and long-term study of future diabetes (human)
 ** R01AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
 R01AM-01324-18 Hormones and intermediary metabolism (human, animals)
 R01AM-01447-19 Neuroendocrine and thyroid physiology (rats)
 ** R01AM-01526-18 Hormonal control on chondroitin sulfate synthesis (human, animals)
 ** R01AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
 R01AM-02244-16 Carbohydrate metabolism (human, dogs)
 R01AM-03370-15 Factors influencing pituitary-adrenal function (rodents)
 R01AM-03598-15 Production of pituitary hormones (human, animals)
 R01AM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
 R01AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
 R01AM-04993-13 Stimulation of bone formation (dogs)
 R01AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
 P02AM-05630-12 0012 Metabolic unit for the Department of Medicine - Physiology of renin, angiotensin and vasopressin in obesity (human)
 ** R01AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)

P01AM-06704-12 0001 Neural and humoral control of endocrine function - Changes in adrenocortical sensitivity to angiotensin and ACTH (dogs)
 P01AM-06704-12 0002 Neural and humoral control of endocrine function - Regulation of renin secretion (dogs)
 P01AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
 R01AM-07568-11 Mediators controlling DNA synthesis in liver (rats)
 R01AM-08154-10 0002 Genetic control of hemoglobin synthesis - Genetic control of hemoglobin synthesis (mice)
 R01AM-08272-11 Obesity-Dietary, hormonal and genetic determinants (rats)
 R01AM-08469-11 Hereditary diabetes insipidus (mice)
 ** P02AM-08657-10 0016 Clinical metabolic research unit - Arginine induced growth hormone release (human)
 ** R01AM-09537-09 Conversion of growth hormone and prolactin (human, dogs)
 R01AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
 ** R01AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
 R22AM-09980-09 0004 Infantile diarrhea and malnutrition (Peru, Baltimore) - Late effects of malnutrition (human)
 R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
 R01AM-10149-09 Hormonal control of lipid metabolism (rats)
 R01AM-10188-09 Hormonal regulation of metabolism (dogs)
 P02AM-10202-08 0001 Studies in human nutrition - Optimal weight reduction diet in obesity (human)
 ** R01AM-10723-08 Immunochemistry and physiology of growth hormones (human)
 ** R01AM-10948-05 Endocrine regulation of muscle growth (chickens)
 R01AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
 R01AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
 ** R01AM-11161-07 Somatotrophic activities vertebrate prolactins (animals)
 R01AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
 R01AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
 ** R01AM-11674-08 0008 Bone metabolism in chronic disorders - Growth hormone and osteoporosis (human)
 P01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
 R01AM-12491-06 Osteoporosis and isolated osteoclasts (rats, mice, rabbits)
 ** R01AM-12782-07 Anabolic actions of adenohypophysial hormones (rats)
 ** R01AM-12861-06 Structure and activity of growth hormone (shark, cattle)
 R01AM-12974-05 Factors involved in insulin homeostasis (dogs)
 R01AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
 R01AM-13499-06 Regulation of liver growth and function (rats)
 R01AM-14106-04 Growth hormone secretion rates (human, monkeys)
 R01AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
 R01AM-14702-04 0003 Mechanism of insulin antagonism - Uremia (human)
 ** R01AM-14702-04 0004 Mechanism of insulin antagonism - Growth hormone and the glucose fatty acid cycle (rats)
 ** R01AM-14742-04 Growth regulation in regeneration (newts)
 R01AM-15059-04 Insulin and enzyme turnover in adipose and liver (rats)
 R01AM-15658-03 Regulation of skeletal metabolism (rats)
 R01AM-15782-03 Renal electrolyte actions of certain hormones (rats)
 ** R01AM-15901-03 The metabolic activity of thymic hormone (rats)
 R01AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
 ** R01AM-16065-03 Primary structures of growth hormones and prolactins (human, vertebrates)
 ** R01AM-16156-03 Role of liver in the production of sulfation factor (human, rats)
 ** R01AM-16168-03 Human prolactin, growth hormone, and placental lactogen (human, animals)
 R01AM-16497-02 0001 Normal and disordered thyroid hormone economy - Physiological abnormalities in neonatal thyrotoxicosis (rats)
 R01AM-16557-01 Regulation of growth and growth hormone (human, rats)
 ** R01AM-16649-01 Mechanism of action of growth hormone (rats)
 R01AM-16658-01 Nitrogen pools and turnover in surgical patients
 R01AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-16794-02 Neural regulation and anterior pituitary (rats)
 P17AM-17026-01 0028 Vanderbilt University Diabetes-Endocrinology Center - Nature and origin of somatomedin
 P17AM-17026-01 0042 Vanderbilt University Diabetes-Endocrinology Center - Diabetes and biosynthesis of collagen
 P17AM-17026-01 0043 Vanderbilt University Diabetes-Endocrinology Center - Autoonomic modification of substrate and hormonal responses to glucose in man
 P17AM-17026-01 0046 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of glucose entry into cells
 P17AM-17047-01 0002 Diabetes-endocrinology research center - Physiological studies in the baboon
 R01AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
 R01AM-17496-01 Role of hormones in stress
 R01AM-17545-01 Qualitative factors in anterior pituitary regulation
- ** R01AM-17645-01 Somatomedin-In vivo and in vitro actions (rats, chicks)
 R01AM-17672-01 Regulation of kidney transamidase activities (rat)
 ** R01AM-18064-01 Growth hormone and steroid release in sleep (human)
 ** R01AM-18130-01 Insulin and human growth hormone-Secretion and metabolic actions
 N01AM-90056-17 Collection of rat pituitaries and assaying hormones
 P01CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
 R01CA-05197-15 Endocrine factors influencing tumor growth in man
 P01CA-05388-15 0003 Biology of mammary neoplasia - Developmental and endocrinological studies (human, animals)
 R01CA-05671-14 0013 Glucocorticoid receptors in normal and malignant tissue - Tumor inhibition of enzyme induction (rats)
 ** P02CA-05826-13 0047 Clinical cancer research center - Medical and metabolic studies-growth hormone peptides in man
 ** P02CA-05826-13 0053 Clinical cancer research center - Human growth hormone in controlling massive hemorrhage from stress erosions
 ** P02CA-05826-13 0057 Clinical cancer research center - Enzyme treated bovine growth hormone
 P02CA-05826-13 0068 Clinical cancer research center - Gastrointestinal manifestations of malignant lymphoma
 P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
 P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
 P01CA-07304-11 0041 Steroid hormone production and metabolism in cancer - Endocrine function in gonadotropin deficiency (human)
 ** P01CA-07304-11 0044 Steroid hormone production and metabolism in cancer - Growth hormone-Age related change in secretion
 ** P01CA-07304-11 0045 Steroid hormone production and metabolism in cancer - Growth hormone secretion in congenital adrenal hyperplasia (human)
 P01CA-07304-11 0046 Steroid hormone production and metabolism in cancer - Sulfation factor in hypothalamic tumors (human)
 R01CA-07535-11 Influence of hormones on tissue metabolism (rats)
 ** P02CA-08480-09 0002 Childhood cancer research center - Molecular mechanisms of growth hormone (rats)
 ** P01CA-08748-09 5301 Research program of Sloan-Kettering Institute - Physiologically active peptide of bovine growth hormone (human)
 ** P01CA-08748-09 5602 Research program of Sloan-Kettering Institute - Healing stress ulcers by growth hormone (human)
 P01CA-08748-09 5730 Research program of Sloan-Kettering Institute - Radioimmunoassay of growth hormone (human)
 R01CA-11704-04 Prolactin (human)
 P02CA-11911-04 0021 Clinical cancer center - Lung tumor secretion of polypeptide hormones
 R01CA-12448-04 Effect of progesterone on prostate size and morphology (human)
 R01CA-13223-02 Endocrine metabolic influence in endometrial carcinoma (human)
 P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
 P02CA-13696-02 0008 Clinical cancer research center - Endocrine studies in breast cancer (human)
 P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
 P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
 ** R01CA-13907-02 Growth hormone and sulfation in acute leukemia (children, rats)
 R01CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
- R01CA-15773-01 Hormone-membrane interaction in neoplasia (human)
 P01CA-15823-01 0003 Program in developmental biology of cancer - Functional and nuclear differentiation (rats, rabbits)
 R01CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
 R10CA-15995-01 Southwest cancer chemotherapy study group
 R01DA-01057-01 0001 Drugs of abuse-Pharmacokinetics, metabolism and response - Stimulant drugs and minimal brain dysfunction (children)
 P01DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
 R01ES-00619-03 Mechanism of tolerance to organophosphorous insecticides (rats)
 R01EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
 ** P11GM-15431-08 0023 Research center for clinical pharmacology and drug toxicology - Maturation changes in hepatic drug metabolism (rats)
 P11GM-15431-08 0025 Research center for clinical pharmacology and drug toxicology - Drug disposition in children (human, rats)
 P01GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
 P01GM-17366-04 0001 Biochemical and physiologic response to trauma - Endocrine aspects of shock and trauma (human, monkeys)
 R01GM-19455-02 Structure of a micrococcal nuclease (also cattle, human)
 P01GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
 R01GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
 ** R01GM-21000-01 Regulation of growth hormone messenger RNA (rats)
 R01HD-00325-18 0010 Longitudinal and related psychohormonal studies - Androgen substitution in hypopituitary males
 R01HD-00371-20 Hormonal function in growth and development in childhood (human)
 ** R01HD-01231-24 Anterior pituitary hormones (animals)
 P01HD-02274-08 0151 Mental retardation and child development - Neuroendocrinological abnormalities in mental retardation syndromes
 ** R01HD-02335-09 0003 Hormonal effects on growth and maturation - Chorionic somatomammotropin and growth hormone (human, monkeys)
 ** R01HD-02335-09 0004 Hormonal effects on growth and maturation - Growth hormone deficiency (human)
 ** R01HD-02371-08 Hormone control of the mammary gland (human, animals)
 R01HD-02455-08 Metabolic and endocrine effects of peptide hormones (human, monkeys)
 R01HD-03236-06 Metabolism of lipids and calcium during aging (rats)
 R01HD-03326-07 0001 Effects of early nutrition on growth and development - Metabolic studies (human)
 R01HD-03326-07 0002 Effects of early nutrition on growth and development - Genetic studies (human)
 R01HD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
 R01HD-03959-06 Carbohydrate metabolism in the neonate (human, swine, rats)
 ** R01HD-04063-06 Growth hormone and prolactin (humans, animals)
 M P01HD-04485-04 Growth hormone structure-function relationships
 ** P01HD-04485-04 0001 Growth hormone structure-function relationships - Production of derivatives (swine, human)
 ** P01HD-04485-04 0002 Growth hormone structure-function relationships - Biological action derivatives (human, swine, rats)
 ** P01HD-04485-04 0003 Growth hormone structure-function relationships - Activity of growth hormone derivatives in man (swine)
 ** P01HD-05077-05 0013 Reproductive biochemistry and medicine - Tritium labeled polypeptide and protein hormones (rats, human)
 R01HD-05105-13 Pituitary-gonadal interrelationship (human)
 R01HD-05394-04 Amino acids and prenatal brain development (rats)
 ** R01HD-05794-04 Somatotrope metabolism and lactotrope metabolism (human, rats)
 P01HD-05797-04 0018 Population and reproductive biology - Alterations of nucleolar and extranucleolar RNA polymerase (rats, chickens)
 P01HD-05874-04 0004 Biochemical regulation of aging processes - Biochemistry of nerve tissue maturation (mice, rats)
 R01HD-06201-03 Lung maturation, hormonal and other influences (human, rats, rabbits)
 ** R01HD-06284-03 Production rate of HGH and other hormones in growth (human)
 R01HD-06355-03 Etiology of hypoglycemia in infants and children (human, rats)
- ** R01HD-06525-04 Hormonal mechanisms regulating growth and development (human placenta)
 ** R01HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
 ** R01HD-06580-02 Ontogeny of sensitivity to growth hormone (mice)
 R01HD-06701-03 Mechanisms of puberty (rats)
 ** R01HD-06706-02 Hormonal control of growth and development (chickens, rats, human)
 ** R01HD-07074-01 Mechanism controlling rate (rats)
 ** R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
 ** R01HD-07843-01 Placental and pituitary protein and polypeptide hormones (human, rabbit)
 ** R01HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
 R01HD-08230-01 Biochemistry of prolactin activity (mammals)
 R01HD-08299-01 The hormonal control of fetal growth (rat, chick embryo)
 R01HD-08313-02 Regulation of anterior pituitary function in rat and man
 R01HD-08362-01 Environmental stimulation, hormones and CNS development (rats)
 R01HD-08712-01 Mechanisms of postnatal enzyme development (rats)
 ** R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
 ** R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
 R01HL-03429-15 Central nervous system and coronary heart disease (human)
 R01HL-06975-13 Pathogenesis of hypertension (rats, human)
 R01HL-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
 R01HL-11534-07 Mechanism of cardiac hypertrophy (rats)
 R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
 R01HL-13872-16 0004 Body composition and metabolic care in surgery - Endocrine interrelationships after injury (human)
 P17HL-14141-04 0006 SCOR for atherosclerosis in childhood - Effect of stress upon plasma lipids in childhood
 P17HL-15061-03 0003 Response of lung to injury - Postnatal growth and development of the mammalian lung (rats, dogs)
 ** P18HL-15170-03 0013 Comprehensive sickle cell disease center - Effect of sodium and potassium cyanate treatment on hormone action (human)
 P18HL-15997-02 0017 A comprehensive hospital-community sickle cell center - Pituitary function in sickle cell disease (human)
 R01HL-17328-01 Lung growth in vivo and in vitro - Hormonal influences (rats)
 P01MH-11668-09 0004 Psychosocial factors in health and disease - Physiologic changes during sadness
 ** P01MH-11668-09 0070 Psychosocial factors in health and disease - Psychologic and hormonal reaction to hemolysis and renaltransplantation
 R01MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)
 R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
 R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
 P01MH-17565-03 0004 Genetics of the XY phenomena in man - Endocrine investigations (human)
 R01MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
 R01MH-22803-02 Social-affective development in infancy (human)
 ** R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to IIT and L-dopa (human)
 R01NS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
 ** P01NS-07253-06 0018 Center for clinical studies of head injuries - Effects of head injury on hypothalamic-hypophysial function (human)
 R01NS-09378-04 Neurological mutants (mice)
 R01NS-10221-02 Biochemical aspects of myelination (rats, mice)
 P01NS-11131-01 0004 Extrapyramidal and related behavioral disorders - Stimulators of protein synthesis and cerebral actions of levodopa (mice)
 ** P01NS-11131-01 0016 Extrapyramidal and related behavioral disorders - Measurements of circulating growth hormone (human)
 ** R01NS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
 R01OH-00331-05 The sleep-waking cycle and its neuro-endocrine correlates (human)
 ** M01RR-00030-13 0002 General clinical research center - Intracranial extracellular lesions on endocrine function (human)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MO1RR-00030-13 0053 General clinical research center - Menamines and insulin secretion (human)
- ** MO1RR-00030-13 0085 General clinical research center - Growth hormone administration in hypopituitarism (human)
- ** MO1RR-00030-13 0121 General clinical research center - L-Dopa stimulated growth hormone levels in juvenile diabetics
- MO1RR-00031-14 0071 General clinical research center - Hypopituitarism (human)
- ** MO1RR-00034-14 0093 General clinical research center - Total lipodystrophy (human)
- MO1RR-00035-14 0086 General clinical research centers - Control on insulin and growth hormone in pregnancy-arginine infusion (human)
- ** MO1RR-00035-14 0100 General clinical research centers - Effect of placental lactogen in hypopituitarism (human)
- ** MO1RR-00036-14 0038 General clinical research center - Growth hormone antagonism to insulin and beta cell stimulation (human)
- ** MO1RR-00036-14 0133 General clinical research center - Growth hormone secretion in diabetes mellitus (human)
- ** MO1RR-00036-14 0156 General clinical research center - Prolactin secretion in pituitary and hypothalamic disease (human)
- ** MO1RR-00036-14 0176 General clinical research center - Alpha-adrenergic stimulation of growth hormone secretion in acromegaly (human)
- ** MO1RR-00036-14 0177 General clinical research center - Human growth-Serum sulfation factor and growth hormone
- ** MO1RR-00036-14 0182 General clinical research center - Growth hormone, insulin and glucose levels during sleep (human)
- ** MO1RR-00036-14 0205 General clinical research center - Effect of growth hormone on adrenal steroid production (human)
- MO1RR-00036-14 0206 General clinical research center - Insulin and growth hormone dynamics in childhood obesity
- ** MO1RR-00039-14 0029 General clinical research center - Responsiveness to human growth hormone (human)
- ** MO1RR-00039-14 0030 General clinical research center - Metabolic studies in Duchenne dystrophy (human)
- ** MO1RR-00039-14 0031 General clinical research center - Effects of HGH in myotonic and limb-girdle dystrophy
- MO1RR-00042-14 0009 General clinical research center - Leucine and sulfonylurea induced hypoglycemia (human)
- ** MO1RR-00043-14 0034 General clinical research center - Nocturnal growth hormone secretion studies (human)
- ** MO1RR-00044-14 0058 General clinical research center - Metabolic effects of HGH, especially on bone (human)
- ** MO1RR-00046-14 0008 General clinical research center - Growth hormone in pituitary disorders (human)
- MO1RR-00046-14 0040 General clinical research center - Endocrine and metabolic effects of pituitary stalk section (human)
- MO1RR-00047-14 0021 General clinical research center - Fate of tritium labeled vitamin D in man
- ** MO1RR-00047-14 0052 General clinical research center - Effect of bovine growth hormone in pituitary dwarfism (human, cattle)
- ** MO1RR-00047-14 0097 General clinical research center - Human growth hormone activity in relation to dwarfism (human)
- ** MO1RR-00051-13 0079 General clinical research center - Effect of HGH on renal function in renal failure (human)
- ** MO1RR-00052-13 0030 General clinical research center for children - Endocrinology-Growth hormone
- MO1RR-00052-13 0031 General clinical research center for children - Endocrinology-Cortisol
- MO1RR-00052-13 0034 General clinical research center for children - Endocrinology-Carbohydrate metabolism
- ** MO1RR-00053-13 0022 Clinical research center - Growth hormone in breast cancer (human)
- ** MO1RR-00053-13 0027 Clinical research center - Somatotropin response to insulin tolerance in depression, schizophrenia (human)
- MO1RR-00053-13 0028 Clinical research center - Sleep and endocrine patterns in opiate addicts (human)
- ** MO1RR-00053-13 0035 Clinical research center - Neurologic mechanism controlling growth hormone secretion relative to sleep (hum)
- MO1RR-00053-13 0036 Clinical research center - Sleep disorders (human)
- ** MO1RR-00053-13 0038 Clinical research center - Growth hormone and sulfation factor in diabetes (human)
- ** MO1RR-00053-13 0039 Clinical research center - Effect of behavioral state on growth hormone in neonates and young infants (huma)
- ** MO1RR-00053-13 0040 Clinical research center - Growth hormone release during slow wave sleep in children with maternal deprivation
- ** MO1RR-00053-13 0055 Clinical research center - Age-related change in 24-hour secretion of growth hormone (children, adults)
- ** MO1RR-00053-13 0056 Clinical research center - Plasma insulin and growth hormone in galactosemia (human)
- ** MO1RR-00053-13 0057 Clinical research center - Secretion of cortisol and growth hormone in sleep deprivation (monkeys)
- ** MO1RR-00053-13 0058 Clinical research center - Growth hormone responses to L-Dopa in depression
- ** MO1RR-00053-13 0059 Clinical research center - Temporal relation between HGH release and sleep stages (human)
- ** MO1RR-00053-13 0060 Clinical research center - Circadian pattern of growth hormone secretion in acromegaly (human)
- MO1RR-00053-13 0075 Clinical research center - Urinary steroid metabolism in obesity (human)
- ** MO1RR-00053-13 0079 Clinical research center - Endocrine effects on leukocytopoiesis (rats)
- ** MO1RR-00053-13 0080 Clinical research center - Endocrine function in isolated gonadotropin deficiency (human)
- ** MO1RR-00054-13 0069 General clinical research center - Metabolism of growth hormone in diabetes with and without retinopathy (human)
- ** MO1RR-00055-13 0022 General clinical research center - Regulation of growth hormone secretion in health and disease (human)
- ** MO1RR-00055-13 0027 General clinical research center - Growth hormone enhancement of epinephrine induced lipolysis (human)
- ** MO1RR-00055-13 0091 General clinical research center - Metabolic interaction of insulin, glucagon and growth hormone (human)
- MO1RR-00055-13 0109 General clinical research center - Metabolic unresponsiveness in chronic inflammatory bowel disease (children)
- MO1RR-00056-13 0053 General Clinical Research Center - Effect of postures on cycles of renal and adrenal function (human)
- ** MO1RR-00062-12 0021 Clinical research center, children - Human growth hormone in hypopituitary dwarfism and in small stature
- ** MO1RR-00062-12 0025 Clinical research center, children - Relationship of sleep and growth hormone secretion
- ** MO1RR-00062-12 0037 Clinical research center, children - Influence of growth hormone on bile acid metabolism
- ** MO1RR-00063-12 0011 General clinical research center - HGH in nutritional status of Sheehan's syndrome patients
- ** MO1RR-00064-10 0016 General clinical research center - Effects of human growth hormone (human)
- ** MO1RR-00065-12 0027 General clinical research center - Catecholamine responsiveness to growth hormone deficiency, hypothyroidism (human)
- MO1RR-00068-12 0018 General clinical research center - Juvenile diabetes treated with unmeasured diet
- ** MO1RR-00069-12 0023 General clinical research center, children - Nycthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma
- ** MO1RR-00069-12 0093 General clinical research center, children - Assessing growth hormone, free-fatty acid feedback loop
- ** MO1RR-00070-12 0077 General clinical research center - Relationship of glucose, insulin and growth hormone in renal failure (human)
- MO1RR-00071-11 0010 General clinical research center - Central nervous system-Pituitary-adrenal interrelations (human)
- MO1RR-00071-11 0034 General clinical research center - Effect of early nutrition on development of human adipose tissue
- MO1RR-00071-11 0051 General clinical research center - Effect of growth hormone in growth hormone deficiency (human)
- ** MO1RR-00073-12 0012 General clinical research center - Pituitary growth hormone physiology (human)
- ** MO1RR-00075-11 0037 General clinical research center for children - Effect of HGH on amino acid metabolism in hypopituitarism
- MO1RR-00075-11 0058 General clinical research center for children - Cryptorchidism and other testicular disorders
- ** MO1RR-00075-11 0059 General clinical research center for children - Growth hormone interaction with fibroblast tissue cultures
- ** MO1RR-00079-12 0056 General clinical research center - Secretion and disposition of pituitary growth hormone (human)
- MO1RR-00079-12 0073 General clinical research center - Insulin, GH and gonadotropic secretion in growth retardation (human)
- MO1RR-00079-12 0086 General clinical research center - Evaluation of TSH secretion in children
- MO1RR-00079-12 0129 General clinical research center - Prolactin secretion in hypothalamic and pituitary disorders (human)
- ** MO1RR-00080-12 0028 General clinical research center - Growth hormone studies (human)
- MO1RR-00080-12 0063 General clinical research center - Pituitary function in children of reuced stature (human)
- ** MO1RR-00080-12 0073 General clinical research center - Growth hormone secretion in chronic manganese intoxication (human)
- ** MO1RR-00082-12 0096 General clinical research center - Stimulation of growth hormone by propranolol glucagon administration (human)
- MO1RR-00084-12 0003 General clinical research center - Etiology and therapy of hypoglycemia
- MO1RR-00084-12 0024 General clinical research center - Comparative effects of growth hormone and cyproheptadine in hypopituitarism
- ** MO1RR-00086-12 0004 General clinical research center - children - Effect of human growth hormone on hypopituitary dwarfs
- MO1RR-00086-12 0024 General clinical research center - children - Assessment of the prediabetic child
- MO1RR-00086-12 0029 General clinical research center - children - Linear growth in congenital adrenal hyperplasia
- ** MO1RR-00096-14 0041 Clinical research center - Effect of growth hormone and calcitonin on osteoporosis and bone disease (human)
- ** MO1RR-00125-11 0216 General clinical research center - adult-child - Effect of HGH on glucagon and somatomedin in hypopituitarism
- MO1RR-00125-11 0217 General clinical research center - adult-child - Growth failure in adolescents with intestinal inflammatory disease
- ** MO1RR-00125-11 0220 General clinical research center - adult-child - Neurotransmitters and hypothalamic-pituitary function in somatotropin deficiency
- ** MO1RR-00188-10 0001 General clinical research center for children - Hypopituitary dwarfism
- ** MO1RR-00210-10 0018 General clinical research center - Maternal-child - Infusion insulin and growth hormone responses to arginine
- MO1RR-00210-10 0026 General clinical research center - Maternal-child - Rate of glucose production and utilization in newborn
- ** MO1RR-00229-09 0065 General clinical research center - Assessment of pituitary reserve in pretreatment with dexamethasone (human)
- ** MO1RR-00229-09 0066 General clinical research center - Effect of temperature and dexamethasone on 17- OHCS and somatotropin (human)
- MO1RR-00240-10 0102 General clinical research center - Children - Role of HGH in ACTH control of glucocorticoid secretion
- MO1RR-00240-10 0108 General clinical research center - Children - Propranolol therapy for growth retardation
- ** MO1RR-00261-09 0066 General clinical research center - Production rates of HGH in diabetes (human)
- MO1RR-00262-09 0008 General clinical research center - Nucleic acid metabolism in surgical patients
- PO7RR-00267-09 0113 Biomedical data processing unit - Clinical research
- MO1RR-00284-08 0007 General clinical research center - pediatric - Collagen metabolism in growth failure
- ** MO1RR-00284-08 0051 General clinical research center - pediatric - Role of growth hormone in cyclic nucleotide metabolism
- MO1RR-00305-08 0033 Clinical research center for children - TSH and GH secretion during therapy in hypsomatotropic dwarfism
- MO1RR-00305-08 0064 Clinical research center for children - Effect of L-dopa on pituitary hormones
- ** MO1RR-00318-08 0026 General clinical research center - Human growth studies
- ** MO1RR-00318-08 0045 General clinical research center - Peripheral subresponsiveness to HGH (human)
- MO1RR-00322-08 0025 General clinical research center - Circadian rhythm in neurologic disorders (human)
- ** MO1RR-00349-08 0038 General clinical research center - Chlorpromazine and medroxyprogesterone acetate (human)
- ** MO1RR-00400-06 0003 General clinical research center - adult - Effects of growth hormone in growth retarded children
- ** MO1RR-00400-06 0010 General clinical research center - adult - Glucagon test for growth hormone (human)
- ** MO1RR-00425-06 0028 General clinical research center - Secretion rates of human growth hormone
- ** MO1RR-00533-06 0002 General clinical research center, adult - Control of HGH in intact man
- ** MO1RR-00533-06 0009 General clinical research center, adult - Small dose human growth hormone perfusion studies in forearm
- MO1RR-00533-06 0013 General clinical research center, adult - Body composition and metabolic changes in starvation
- MO1RR-00533-06 0024 General clinical research center, adult - Carbohydrate and insulin secretion
- ** MO1RR-00533-06 0045 General clinical research center, adult - Factors modifying metabolic responsiveness to HGH (human)
- ** MO1RR-00628-04 0002 General clinical research center for children - Growth hormone deficiency in dwarfism
- ** MO1RR-00628-04 0007 General clinical research center for children - Neuroendocrine aspects of sleep in dwarfism
- ** MO1RR-00628-04 0053 General clinical research center for children - Exercise stimulation of growth hormone secretion
- MO1RR-00633-02 0070 General clinical research center - Relationship PRA, ACTH, K, Na, HGH and aldosterone in aldosteronism (human)
- MO1RR-00645-03 0035 Clinical research center - Prolactin (human)
- MO1RR-00645-03 0037 Clinical research center - Enzyme defects in carbohydrate and protein disorders of the liver (human)
- ** MO1RR-00645-03 0038 Clinical research center - Human growth hormone and prolactin (human)

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(cont'd)

MO1RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
 MO1RR-00645-03 0042 Clinical research center - Intravenous nutrition in infants and children
 MO1RR-00645-03 0069 Clinical research center - Prolactin response to TRH in somatotropin deficient children
 ** MO1RR-00722-02 0036 General Clinical Research Center - Growth hormone for intra-uterine and other types of growth retardation (human)
 ** MO1RR-00722-02 0037 General Clinical Research Center - Factors that affect the metabolic clearance rate of various hormones (human)
 ** MO1RR-00749-02 0048 General clinical research center - Measurement of growth hormone in human plasma
 ** MO1RR-00749-02 0050 General clinical research center - Plasma growth hormone in acromegaly (human)
 MO1RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
 MO1RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)
 MO1RR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation
 ** MO1RR-00828-01 0026 General clinical research center - Nocturnal growth hormone secretion in obesity (human)
 ** MO1RR-00828-01 0027 General clinical research center - Relationship of HGH release to adrenal-pituitary axis in acromegaly (human)
 MO1RR-00828-01 0029 General clinical research center - Effect of L-DOPA administration to obese patients
 MO1RR-00828-01 0032 General clinical research center - Effect of regulation on natural history of diabetes (human)
 MO1RR-00833-01 0009 General clinical research center - Prolactin secretion in man
 ** MO1RR-00865-01 0011 General clinical research center - Fructose stimulated growth hormone response in diabetes mellitus (human)
 ** MO1RR-00865-01 0013 General clinical research center - Protein intake, growth hormone secretion and COH metabolism in uremia (human)
 ** MO1RR-00865-01 0017 General clinical research center - Adenyl cyclase as prognosticator of response to growth hormone (human)
 ** MO1RR-00865-01 0018 General clinical research center - Relationship of growth hormone administration to thyroidal function (human)

PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN REGULATING FACTORS

** RO1AM-05655-14 The physiology of growth hormone (primates)
 RO1AM-06164-12 Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats)
 RO1AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
 ** RO1AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
 ** RO1AM-13776-04 Anterior pituitary hormone biosynthesis (rats, sheep)
 RO1AM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)
 ** RO1AM-16557-01 Regulation of growth and growth hormone (human, rats)
 RO1AM-17226-01 Growth factor from pterocarcoids of *S. mansoni* (also animals)
 ** RO1AM-17334-02 Release of HGH, HPL, HLH and HFSH in sleep-wake cycles (human)
 RO1AM-17347-02 Insulin sensitive glucoregulator in the CNS (rats, dogs, mice)
 RO1AM-17668-01 Factors controlling and modifying insulin secretion (rats, hamsters)
 RO1AM-17679-01 Analysis of glucocorticoid system functions (rats, dogs)
 RO1HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
 ** RO1HD-02335-09 0004 Hormonal effects on growth and maturation - Growth hormone deficiency (human)
 ** RO1HD-05794-04 Somatotrope metabolism and lactotrope metabolism (human, rats)
 RO1HD-06192-03 Physiological studies of hypothalamic hormones (sheep, cattle, chickens)
 ** MO1RR-00043-14 0035 General clinical research center - Effect of L-dopa on pituitary function (human)
 ** MO1RR-00043-14 0036 General clinical research center - Growth hormone levels in acromegaly with various treatments (human)
 ** MO1RR-00053-13 0061 Clinical research center - Reduction of sleep related growth hormone release after clomiphen (human)
 ** MO1RR-00722-02 0035 General Clinical Research Center - Effect of synthetic and other ACTHS on release of tropic hormones (human, sheep)

PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN

SEE ALSO THYROID ACTIVATOR, LATS
 RO1AM-00008-26 Normal and disordered thyroid states in man (and rats)

RO1AM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
 RO1AM-01447-19 Neuroendocrine and thyroid physiology (rats)
 RO1AM-03598-15 Production of pituitary hormones (human, animals)
 RO1AM-03612-15 Thyroid function and iodine metabolism (rats, human)
 RO1AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)
 RO1AM-04784-14 Control of secretion of hypothalamic hormones
 ** RO1AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
 ** RO1AM-05645-13 Thyroid function (rats)
 RO1AM-06097-20 Pituitary lactogenic and gonadotropic hormones (human, animals)
 ** RO1AM-06164-12 Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats)
 ** RO1AM-06439-12 Metabolism and endocrine function in the thyroid (rats)
 ** RO1AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
 RO1AM-07642-11 Long acting thyroid stimulator (human)
 RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
 RO1AM-08893-10 Mechanisms responsible for ligamentous strength (animals)
 RO1AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
 RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
 RO1AM-10733-08 Control of phospholipid metabolism (dogs, rats)
 RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
 RO1AM-11043-08 Thyroglobulin in thyroid disease (human, rabbits)
 RO1AM-11376-13 Plasma hormone-binding proteins and estrogen action (mammals)
 RO1AM-11727-07 Human thyroid hormone metabolism
 RO1AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
 RO1AM-13587-04 Structure activity of human thyrocalcitonin
 RO1AM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)
 RO1AM-13916-04 Pharmacology and biochemistry of the thyroid (human)
 ** RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)
 RO1AM-14997-04 Thyrotropin releasing factor secretion and actions (human, rats)
 RO1AM-15421-14 Thyroxine-protein interactions (human, rats)
 RO1AM-15466-02 Role of microtubules and calcium in FFA mobilization (rats)
 RO1AM-16006-03 Nutritional factors and SCN in thyroid development (rats)
 RO1AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
 RO1AM-16155-03 Thyroid gland physiology in health and disease (human)
 ** RO1AM-16497-02 0003 Normal and disordered thyroid hormone economy - TSH reserve during and following thyroid therapy (human)
 ** RO1AM-16497-02 0004 Normal and disordered thyroid hormone economy - Studies with chromium labeled TSH (rats, cattle, human)
 ** RO1AM-16791-03 TSH as altered in thyroid disease and by estrogens (human, rats)
 RO1AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)
 RO1AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks
 RO1AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)
 P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation
 ** RO1AM-17251-01 Graves' disease (human)
 RO1AM-17310-01 Thyroglobulin mRNA-Isolation and characterization (rats, human)
 ** RO1AM-17326-02 Studies of pituitary hormone secretion and synthesis
 RO1AM-17332-01 Action and metabolism of thyroid hormones (human, rats)
 RO1AM-17538-10 Mucopolysaccharide metabolism in exophthalmos (human)
 RO1AM-17545-01 Qualitative factors in anterior pituitary regulation
 RO1AM-17561-02 Circulating inhibitor of LATS (human, rabbits, mice, dogs)
 RO1AM-17780-01 Secretion in pituitary and other cells (rabbits, rats)
 NO1AM-90056-17 Collection of rat pituitaries and assaying hormones
 RO1CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)
 ** RO1CA-02290-21 Purification and chemistry of protein hormones (human, animals)

PO1CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
 PO2CA-05826-13 0045 Clinical cancer research center - Medical and metabolic studies-thyrotropin releasing hormone in thyroid cancer
 PO2CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
 RO1CA-11704-04 Prolactin (human)
 PO2CA-11911-04 0021 Clinical cancer center - Lung tumor secretion of polypeptide hormones
 RO1CA-12519-03 Identity and radioassay of prolactin in breast cancer (human)
 RO1CA-13447-02 Circulating thyroidal proteins in thyroid carcinoma (human)
 RO1EY-00281-10 Wound healing in lens epithelium (frogs)
 PO1GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal studies (dogs)
 ** RO1GM-18577-03 Computer aided studies of humoral system parameters (sheep)
 RO1GM-19998-02 Role of cell membrane in hormone secretion and action (rats, mice)
 RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
 RO1HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
 RO1HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
 ** RO1HD-07181-03 Placental thyrotropins biochemistry and physiology (human)
 RO1HD-07220-02 Congenital hypothyroidism-Neonatal screening tests (human)
 ** RO1HD-07711-01 Extra-ovarian control of gonadotropin secretion (rats)
 RO1HD-07830-03 Prolactin secretions and its reproductive function (sheep)
 RO1HD-07926-01 Human fetal neuroendocrinology
 RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
 RO1HL-14873-02 Sickle cell disease-Biological effects of cyanate (human, mammals)
 ** P18HL-15170-03 0013 Comprehensive sickle cell disease center - Effect of sodium and potassium cyanate treatment on hormone action (human)
 R10MH-04665-14 Childrens psychopharmacology unit
 RO1MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
 RO1NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
 RO1NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
 ** PO1NS-07253-06 0018 Center for clinical studies of head injuries - Effects of head injury on hypothalamic-hypophyseal function (human)
 RO1NS-09378-04 Neurological mutants (mice)
 PO1NS-11642-01 0005 Basic and clinical neuroendocrinology - Ventricular system in neuroendocrine processes (cats, monkeys, rats, guinea pigs)
 PO1NS-11642-01 0012 Basic and clinical neuroendocrinology - Tetrahydrocannabinol and hypothalamo-hypophysial-thyroid axis (rats)
 MO1RR-00034-14 0079 General clinical research center - Pseudohypoparathyroidism and thyrotropin deficiency (human)
 MO1RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)
 ** MO1RR-00044-14 0016 General clinical research center - Release of pituitary and pancreatic hormones in man
 MO1RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
 MO1RR-00044-14 0094 General clinical research center - TSH response of the pituitary to TRH in man
 ** MO1RR-00046-14 0040 General clinical research center - Endocrine and metabolic effects of pituitary stalk section (human)
 MO1RR-00048-13 0021 Clinical center - Effect of TRH on pituitary-thyroid axis in man
 ** MO1RR-00055-13 0066 General clinical research center - Response of TSH, LH and prolactin to TRH and L-dopa (human)
 ** MO1RR-00056-13 0013 General Clinical Research Center - In vivo and in vitro comparison of TSH responses (human)
 MO1RR-00056-13 0067 General Clinical Research Center - Subacute thyroiditis (human)
 MO1RR-00069-12 0024 General clinical research center, children - Pseudohypoparathyroidism
 ** MO1RR-00095-14 0066 General clinical research center - Temperature changes in TSH suppressibility in hypothyroidism (human)
 MO1RR-00096-14 0052 Clinical research center - Assessment of derangements of hypothalamic-pituitary-thyroid axis using TRH
 MO1RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)
 ** MO1RR-00107-11 0057 General clinical research center - Thyrotropin and thyroid physiology (human)
 MO1RR-00305-08 0033 Clinical research center for children - TSH and GH secretion during therapy in hypsomatotropic dwarfism

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00400-06 0038 General clinical research center - adult - Thyrotropin releasing factor on plasma TSH levels (human)
- ** MO1RR-00425-06 0063 General clinical research center - Response to TSH in Grave's disease (human)
- ** MO1RR-00722-02 0037 General Clinical Research Center - Factors that affect the metabolic clearance rate of various hormones (human)
- ** P07RR-00757-02 0015 Implementation of laboratory automation system - Tertiary structure of thyrotropin releasing factor
- MO1RR-00833-01 0009 General clinical research center - Prolactin secretion in man
- MO1RR-00833-01 0011 General clinical research center - Thyroid function (human)
- MO1RR-00865-01 0009 General clinical research center - Effect of aromatic monamines on serum thyroglobulin (human)

PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN INHIBITORS

- ** MO1RR-00055-13 0115 General clinical research center - Suppression of thyrotropin by L-dopa in hypothyroidism (human)

PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN RELEASING FACTORS

- RO1AM-00008-26 Normal and disordered thyroid states in man (and rats)
- RO1AM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
- RO1AM-01237-18 Hypothalamic control of ACTH and LH secretion (rats)
- RO1AM-03612-15 Thyroid function and iodine metabolism (rats, human)
- RO1AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)
- ** RO1AM-00164-12 Hypothalamic thyrotropin-releasing-factor (mice, primates, rats)
- RO1AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
- RO1AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
- RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
- RO1AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
- RO1AM-11727-07 Human thyroid hormone metabolism
- RO1AM-12583-06 Immunocytologic studies on pituitary gonadotrophins (rats)
- ** RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)
- RO1AM-14314-05 Physiological significance of triiodothyronine (human, rats, primates)
- ** RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
- ** RO1AM-14997-04 Thyrotropin releasing factor secretion and actions (human, rats)
- RO1AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)
- ** RO1AM-15810-03 Studies of thyroid hormone metabolism (human)
- RO1AM-15899-03 Control of bovine serum prolactin concentration (cattle)
- RO1AM-16172-01 The metabolism and action of thyroxine in the pituitary (rat)
- RO1AM-16497-02 0002 Normal and disordered thyroid hormone economy - Late effects of neonatal treatment with TRH (rats)
- RO1AM-16497-02 0010 Normal and disordered thyroid hormone economy - Effects of iodine in patients with restricted thyroid tissue
- RO1AM-16497-02 0019 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in man
- ** RO1AM-16497-02 0020 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in the rat
- RO1AM-16497-02 0021 Normal and disordered thyroid hormone economy - Relation between deiodination of T4 and its action in pituitary tissue (rats)
- RO1AM-16497-02 0022 Normal and disordered thyroid hormone economy - Peripheral conversion of T4 to T3 in man
- RO1AM-16497-02 0026 Normal and disordered thyroid hormone economy - Diurnal variation in TSH secretion and 'iodine leak' in goiter (human)
- RO1AM-16557-01 Regulation of growth and growth hormone (human, rats)
- RO1AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
- RO1AM-16791-03 TSH as altered in thyroid disease and by estrogens (human, rats)
- RO1AM-17420-01 Peptide hormone structure and function
- ** RO1AM-17454-01 Hormone metabolizing and binding proteins (human)
- RO1AM-17561-02 Circulating inhibitor of LATS (human, rabbits, mice, dogs)
- ** P02CA-05826-13 0045 Clinical cancer research center - Medical and metabolic studies-thyrotropin releasing hormone in thyroid cancer

- P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
- RO1CA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
- RO1CA-14200-02 Tumor inhibition by prolactin inhibiting factor (animals)
- P01GM-13901-08 0003 Analytical biochemistry for human studies - Mass spectrometry of peptides (mammals)
- RO1GM-13972-08 Polypeptide biosynthesis-Metabolic regulation (bacteria, rabbits, yeast)
- P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- RO1GM-18694-03 Conformation of biopolymers and peptide hormones
- ** RO1HD-02335-09 0004 Hormonal effects on growth and maturation - Growth hormone deficiency (human)
- RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
- RO1HD-06060-03 Thyroid function and intelligence (monkeys, rats)
- RO1HD-06192-03 Physiological studies of hypothalamic hormones (sheep, cattle, chickens)
- ** RO1HD-06720-02 Fetal hypophysial-gonadal relationships
- RO1HD-07926-01 Human fetal neuroendocrinology
- RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- RO1HM-03030-15 Improved clinical screening of phenotropic drugs (human)
- ** RO1HM-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)
- RO1HM-25133-02 0003 Steroid hormones in depressive illness - 24 Hour cortisol secretory patterns in affective disorders (human)
- RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- RO1NS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
- PO1NS-11642-01 0001 Basic and clinical neuroendocrinology - Drug-induced alterations in neuroendocrine function (rats)
- ** PO1NS-11642-01 0005 Basic and clinical neuroendocrinology - Ventricular system in neuroendocrine processes (cats, monkeys, rats, guinea pigs)
- PO1NS-11642-01 0006 Basic and clinical neuroendocrinology - Localization and secretion of LRF (mink, rats)
- PO1NS-11642-01 0009 Basic and clinical neuroendocrinology - Ultrastructural localization of neural hormones
- ** MO1RR-00034-14 0045 General clinical research center - Thyrotropin releasing factor (human)
- ** MO1RR-00034-14 0086 General clinical research center - Effect of thyroid releasing hormone on function of human corpus luteum
- ** MO1RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)
- ** MO1RR-00040-14 0101 General clinical research center - Effect of oral synthetic thyrotropin releasing hormone on lactation (human)
- ** MO1RR-00043-14 0049 General clinical research center - Thyroid hormone equivalent activity study (human)
- ** MO1RR-00043-14 0079 General clinical research center - Thyrotropin releasing hormone as an antidepressant (human)
- ** MO1RR-00043-14 0080 General clinical research center - Factors regulating release of TSH by pituitary gland (human)
- ** MO1RR-00044-14 0016 General clinical research center - Release of pituitary and pancreatic hormones in man
- MO1RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
- ** MO1RR-00044-14 0094 General clinical research center - TSH response of the pituitary to TRH in man
- MO1RR-00044-14 0095 General clinical research center - FSH producing pituitary tumor (human)
- ** MO1RR-00046-14 0040 General clinical research center - Endocrine and metabolic effects of pituitary stalk section (human)
- ** MO1RR-00048-13 0021 Clinical center - Effect of TRH on pituitary-thyroid axis in man
- ** MO1RR-00050-13 0070 Wilson's disease - Thyrotropin releasing factor and luteinizing hormone releasing factor in man
- ** MO1RR-00054-13 0068 General clinical research center - Hypophysiotropic hormones, TRH, LRH in body fluids (human)
- ** MO1RR-00055-13 0066 General clinical research center - Response of TSH, LH and prolactin to TRH and L-dopa (human)
- ** MO1RR-00056-13 0038 General Clinical Research Center - Synthetic thyrotropin releasing hormone (TRH) infusions (human)
- ** MO1RR-00079-12 0056 General clinical research center - Secretion and disposition of pituitary growth hormone (human)
- ** MO1RR-00079-12 0086 General clinical research center - Evaluation of TSH secretion in children

- ** MO1RR-00083-12 0046 General clinical research center - Responses to ISH releasing hormone in diverse clinical states
- ** MO1RR-00084-12 0040 General clinical research center - children - Studies with thyrotropin releasing hormone
- ** MO1RR-00096-14 0052 Clinical research center - Assessment of derangements of hypothalamic-pituitary-thyroid axis using TRH
- ** MO1RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)
- ** MO1RR-00096-14 0060 Clinical research center - Effects of TRH on childhood schizophrenia
- ** MO1RR-00096-14 0063 Clinical research center - Effects of TRH in manic depressive psychosis (human)
- ** MO1RR-00134-10 0041 General clinical research center - Effect of synthetic thyrotropin releasing factor in man
- ** MO1RR-00400-06 0038 General clinical research center - adult - Thyrotropin releasing factor on plasma TSH levels (human)
- MO1RR-00645-03 0069 Clinical research center - Prolactin response to TRH in somatotropin deficient children
- MO1RR-00722-02 0035 General Clinical Research Center - Effect of synthetic and other ACTHS on release of tropic hormones (human, sheep)
- MO1RR-00833-01 0011 General clinical research center - Thyroid function (human)

PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

- SEE ALSO METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS
- RO1AA-00224-06 Pathogenesis and treatment of alcohol-induced diseases (human, monkeys, rats)
- RO1AI-11719-02 Multiple molecular forms of antihapten antibody (human, animals)
- PO1AI-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogenous tissues (rabbits, rats)
- ** RO1AM-01588-18 Metabolism of antidiuretic hormone (dogs, rats)
- RO1AM-01940-16 Neurohypophysial regulation of water excretion (rats, cats, fish)
- RO1AM-02217-15 Mechanism of renal tubular and intestinal transport (dogs, rats, hamsters)
- ** RO1AM-03858-14 Control of water and solute movement across cell
- P02AM-04501-13 0022 Metabolic disease research center - Parathyroid hormones, calcium and phosphorus in renal diseases (human, rats)
- ** RO1AM-04660-12 Metal mediation of pituitary hormonal regulation (swine, toads)
- RO1AM-05077-13 Renal tubular reabsorption of sodium and water (dogs)
- ** P02AM-05630-12 0012 Metabolic unit for the Department of Medicine - Physiology of renin, angiotensin and vasopressin in obesity (human)
- PO1AM-08458-10 0001 Uremia and exchange of ions and water - Factors affecting renal excretion of sodium (dogs, cattle, toads, human)
- RO1AM-08469-11 Hereditary diabetes insipidus (mice)
- RO1AM-08547-08 Neural control of ACTH release (human, rats)
- RO1AM-08716-10 Damage and repair of gastric mucosal barrier (dogs)
- RO1AM-12473-06 Synthetic peptide hormones
- RO1AM-12905-06 Gastric antral and fundic blood flow and secretion (dogs, rabbits)
- RO1AM-13097-07 Bile production (dogs, hamsters, rabbits, rats)
- RO1AM-13476-05 Mechanisms of transport in isolated kidney tubules (human, rabbits)
- RO1AM-13567-05 Biofunctional conformation of peptide hormones (cattle)
- RO1AM-13845-05 Water and electrolyte movement in renal tubules (rats, frogs)
- RO1AM-13859-04 Renal chloride excretion (dogs, rats)
- RO1AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
- RO1AM-14873-05 Transport processes in lipid membranes and renal tubules (rabbits, sheep)
- RO1AM-14915-04 Aldosterone stimulation of sodium transport (anurans, rats)
- RO1AM-15175-05 Water and electrolyte transport in the bladder (toads)
- RO1AM-15507-03 Irreversible inhibition of specific peptide receptors
- PO1AM-15512-03 0006 University of Wisconsin program project in nephrology - Renal pharmacology (human)
- PO1AM-15512-03 0011 University of Wisconsin program project in nephrology - Renal metabolism in health and disease (dogs, human, rats)
- RO1AM-15564-03 0007 Secretion and hormonal integration of exocrine organs - Cation permeability in vitro (frogs)
- RO1AM-15604-03 Functional studies of cystic disease of the kidneys (rats, rabbits)
- RO1AM-15622-03 Neurohypophysial hormone secretion in tissue culture (rat, chick embryo, anurans)
- RO1AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-15968-03 Actions of antidiuretic hormone on the renal medulla (hamsters, rats)
 R01AM-16026-04 Angiographic diagnosis and control of GI bleeding (human, dogs)
 R01AM-16093-03 Renal function after bile duct obstruction (human, dogs)
 ** R01AM-16105-03 Cellular action of antidiuretic hormone in the kidney (rats, dogs)
 ** R01AM-16175-03 Secretion of vasopressin (human, dogs)
 R01AM-16244-07 Renal lymph and renal function (dogs)
 R01AM-16281-02 0003 Uremia-pathogenesis, effects, and possible prevention - Effects on concentrating ability (dogs)
 R01AM-16294-02 Regulation of individual nephron filtration rates (birds)
 ** R01AM-16327-02 Microtubules and filaments in action of vasopressin (frogs)
 ** R01AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
 R01AM-16539-02 Regulation of phosphate transport in toad bladder
 R01AM-16663-03 Electrophysiology of skin and kidney tubules (frogs, rabbits)
 R01AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)
 P17AM-17047-01 0004 Diabetes-endocrinology research center - Diabetes, obesity and other conditions altering fuel physiology (human)
 R01AM-17234-01 Effects of lithium on renal function (human, rats)
 R01AM-17341-01 Humoral inhibitor of sodium transport (human, rats, dogs, toads)
 R01AM-17344-04 Renal ion transport-Fixed-charge membrane model (toads)
 R01AM-17420-01 Peptide hormone structure and function
 P01AM-17433-01 0004 Cardiovascular, metabolic aspects of membrane transport - Renal handling of lithium and its effect on nephron function (rats, hamsters)
 ** P01AM-17433-01 0008 Cardiovascular, metabolic aspects of membrane transport - Effects of lithium on renal function (rats, human)
 R01AM-17679-01 Analysis of glucocorticoid system functions (rats, dogs)
 R01CA-11704-04 Prolactin (human)
 R01CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
 ** P01EY-00785-03 0005 Vision research center - Hormones and ocular transparency and secretion
 R01GM-03545-20 Metabolism and active ion transport in frog skin
 P01GM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)
 R01GM-16133-07 0008 Immobilized enzymes to analyze and alter metabolism - Hormone electrode (toad bladder)
 P01GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
 P01GM-16593-06 0017 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the toad bladder
 P01GM-16934-06 0018 Sulfonamides and carbonic anhydrase-Basis for therapy - Teratogenesis induced by carbonic anhydrase inhibitors (rats)
 R01GM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
 R01GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
 ** R01GM-20085-15 The regulation of electrolyte balance in surgery (human, dogs, rats)
 R01HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
 P01HD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)
 R01HD-05914-02 Blastocyst expansion (rabbits)
 R01HD-06351-03 Neurohypophysial hormones-Structure-activity and phyla
 ** R01HD-08953-01 Renal function in the maturing fetus (sheep)
 R01HL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)
 R01HL-01270-22 Salt and water retention of heart failure (human, rabbits)
 ** R01HL-02457-16 Neural and hormonal control of kidney function (rats)
 R01HL-02644-18 Venomotor responses to circulatory alterations (human, dogs, hamsters)
 R01HL-03275-16 Aploid hemodynamics in cardiovascular radiology (human)
 R01HL-04868-14 Physiological studies on the isolated perfused kidney (rabbits)
 P01HL-06285-14 0196 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport-Epithelial cell membranes (toads)
 P01HL-06664-13 0032 Cardiopulmonary function in remediable vascular disease - Hormonal control of salt and water in cardiovascular disease (toads)
 ** P01HL-06664-13 0033 Cardiopulmonary function in remediable vascular disease - Antidiuretic hormone in clinical disturbances of water balance (human)
 R01HL-08258-10 Movement of the mitral valve (horses)
 P01HL-08682-11 0001 Regulation of the cardiovascular system - Regulation of the cardiodynamic mechanisms (human, animals)
 P01HL-08805-10 0008 Cardiovascular and pulmonary performance - Renal blood flow in experimental cardiogenic shock (dogs)
 ** R01HL-10612-08 0003 Humoral factors in experimental heart failure - Effects of antidiuretic hormone and angiotensin II on renin release (dogs)
 R01HL-11533-07 Splanchnic hemodynamics in man
 ** P01HL-11678-07 0026 Cardiovascular dynamics and their control - Development of a radioimmunoassay method for plasma ADH
 ** P01HL-11678-07 0027 Cardiovascular dynamics and their control - Role of ADH in arterial pressure control (dogs)
 ** R01HL-11680-08 Amino acids, polypeptides and related compounds (rats)
 R01HL-12462-05 Pharmacologic studies on vascular smooth muscle (dogs, rats)
 ** R01HL-12990-05 Control of ADH secretion and metabolism (dogs, rats, rabbits)
 ** P01HL-13108-05 0014 Clinical heart transplantation - Pituitary function in the decerebrate patient
 ** P01HL-13108-05 0015 Clinical heart transplantation - Hemodynamic effect of vasopressin on cardiovascular status of decerebrate patient
 R01HL-13476-04 Plasma aldosterone in normal and hypertensive man
 ** R01HL-13880-04 Effect of cardiac disease on ADH release (human)
 ** P01HL-13979-04 0012 Cardio-pulmonary-renal program - Alteration of cell membrane structure by vasopressin (toads)
 P01HL-13979-04 0021 Cardio-pulmonary-renal program - Membrane permeability by NMR relaxation (animals)
 P17HL-14159-04 0003 Specialized center of research in hypertension - Renin system, salt and water metabolism in toxic pregnancy (human)
 P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
 R01HL-14348-03 Intrarenal blood flow and sodium excretion (dogs, rats)
 ** P01HL-14388-03 0019 Regulation of the circulation in pathological states - Vasopressin in heart failure (dogs)
 P01HL-14388-03 0030 Regulation of the circulation in pathological states - Autonomic innervation and reactivity of coronary vessels (dogs)
 P01HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
 R01HL-14784-03 Micropuncture studies on the mammalian renal medulla (rats)
 R01HL-14863-02 Hypertension in man-Role of renin-aldosterone
 ** R01HL-16216-01 Pathophysiology of vasopressin in man (and rabbits)
 R01HL-16535-01 Estimation of portal blood flow (human, dogs)
 ** R01HL-17723-01 Studies of pathophysiology of vasopressin in man
 R01HM-13189-08 Mechanisms of motivation, learning and development (human, rats)
 R03MH-25384-01 Hormonal influences on time-dependent memory processes (rats)
 R01NS-02893-11 Central nervous system-pituitary-adrenal interrelations (cats, rats)
 R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
 P01NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)
 R01NS-05638-10 Central neural regulation of body fluids (animals)
 R01NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
 R01NS-07825-07 Development of the hypothalamus (rats)
 R01NS-09140-04 Internal sensing systems and drinking behavior (rats)
 R01NS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
 R01NS-10655-02 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)
 R01NS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
 R01NS-11936-01 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)
 M01RR-00039-14 0011 General clinical research center - Humoral factor which inhibits sodium transport (toads, rats, dogs)
 ** M01RR-00043-14 0070 General clinical research center - ADH and steroid metabolism in man
 M01RR-00051-13 0130 General clinical research center - Development of a model of salt and water regulation (human)
 ** M01RR-00051-13 0131 General clinical research center - Development of vasopressin assay (rats, guinea pigs, rabbits)
 ** M01RR-00056-13 0046 General Clinical Research Center - Plasma neurophysin study during vasopressin-related events (human)
 ** M01RR-00073-12 0062 General clinical research center - Water-electrolyte metabolism in abnormal anti-diuretic hormone secretion (human)
 ** M01RR-00081-12 0023 General clinical research center, premature infants - Inappropriate ADH secretion in hypoglycemia
 M01RR-00082-12 0090 General clinical research center - Rapid assessment of pituitary adrenal function with IM pitressin (human)
 M01RR-00095-14 0029 General clinical research center - Porte-systemic venous shunts for portal hypertension (human)
 M01RR-00229-09 0001 General clinical research center - Idiopathic edema (human)
 ** M01RR-00229-09 0017 General clinical research center - ADH excretion in abnormal water balance (human)
 M01RR-00229-09 0044 General clinical research center - Antidiuretic effect of chlorpropamide (human)
 M01RR-00240-10 0118 General clinical research center - Children - Fluid deprivation and pitressin stimulation test
 ** M01RR-00322-08 0026 General clinical research center - Control of gastrointestinal hemorrhage by mesenteric drug infusion (human)
 ** M01RR-00334-08 0026 General clinical research center - Vagotomy and liver dysfunction on hepatic osmoreceptor control
 ** M01RR-00425-06 0040 General clinical research center - Body water homeostasis and vasopressin kinetics (human)
 ** M01RR-00533-06 0010 General clinical research center, adult - Pathogenesis and therapy of orthostatic hypotension
 P06RR-00640-03 0002 Nutritionally defined gnotobiotic development and use - Function and metabolism of germ free rodent (and dogs)
 M01RR-00645-03 0035 Clinical research center - Prolactin (human)
 ** M01RR-00645-03 0036 Clinical research center - Posterior pituitary hormones (human)
 ** M01RR-00645-03 0056 Clinical research center - State of consciousness and hormonal control of water balance (human)
 M01RR-00645-03 0062 Clinical research center - Evaluation of hepatic reserve in cirrhosis with esophageal varices (human)
 M01RR-00750-02 0003 General clinical research center - Genetics of low renin hypertension (human)
 ** M01RR-00750-02 0006 General clinical research center - Abnormalities of vasopressin function (human)
PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN, ARGININE VASOPRESSIN
 R01AM-13567-05 Biofunctional conformation of peptide hormones (cattle)
 R01AM-15622-03 Neurohypophysial hormone secretion in tissue culture (rat, chick embryo, anurans)
 ** P01HL-06308-14 0027 Mechanisms and therapy of circulatory disease - Regulation of vasopressin (human, animals)
 R01HL-11680-08 Amino acids, polypeptides and related compounds (rats)
PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN, LYSINE VASOPRESSIN
 R01AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
 R01AM-13743-05 Motion and proximity relations in polypeptides
 R01HL-11680-08 Amino acids, polypeptides and related compounds (rats)
PITUITARY-DIENCEPHALON HORMONES, VASOTOCIN
 ** R01AM-01588-18 Metabolism of antidiuretic hormone (dogs, rats)
 ** R01AM-03539-15 Endocrine regulation-Comparative studies (frogs, crustaceans)
 R01AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
 R01AM-13567-05 Biofunctional conformation of peptide hormones (cattle)
 R01AM-15622-03 Neurohypophysial hormone secretion in tissue culture (rat, chick embryo, anurans)
PITUITARY DISORDERS DIAGNOSIS
 SEE PITUITARY GLAND DISORDERS DIAGNOSIS*
PITUITARY DWARFISM
 SEE SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY
PITUITARY GLAND
 SEE ALSO PITUITARY-DIENCEPHALON (HORMONES)
 R01AI-09109-06 Enzyme-labeled antibodies for immunohistochemistry (mice, rats)
 ** R01AM-02463-16 Investigation of the thyroid and pituitary (human, rats)
 ** P01AM-08458-10 0001 Uremia and exchange of ions and water - Factors affecting renal excretion of sodium (dogs, cattle, toads, human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

RO1AM-08547-08 Neural control of ACTH release (human, rats)
 RO1AM-10073-09 Neurohumoral control of the anterior pituitary (rats)
 RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
 RO1AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
 RO1AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
 RO1AM-11727-07 Human thyroid hormone metabolism
 RO1AM-14997-04 Thyrotropin releasing factor secretion and actions (human, rats)
 RO1AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)
 RO1AM-15776-01 Neural pathways involved with ACTH secretion (rats)
 RO1AM-15902-03 Perfusion study of anterior pituitary function (rats)
 ** RO1AM-16172-01 The metabolism and action of thyroxine in the pituitary (rat)
 RO1AM-16497-02 0001 Normal and disordered thyroid hormone economy - Physiological abnormalities in neonatal thyrotoxicosis (rats)
 RO1AM-16497-02 0016 Normal and disordered thyroid hormone economy - Cellular proteins that bind thyroid hormones (human, rats)
 RO1AM-16497-02 0021 Normal and disordered thyroid hormone economy - Relation between deiodination of T4 and its action in pituitary tissue (rats)
 RO1AM-16557-01 Regulation of growth and growth hormone (human, rats)
 RO1AM-16879-01 Neuro-endocrine studies in cell culture system (mice)
 RO1AM-16936-01 Somatomedin effects on chondrocyte tissue (rats)
 P17AM-17026-01 0022 Vanderbilt University Diabetes-Endocrinology Center - Synthesis and secretion of peptide hormones
 RO1AM-17307-01 Hormone production in cultured endocrine cells (rats)
 ** RO1AM-17612-01 Protein methylation in posterior pituitary function (swine)
 ** RO1AM-17780-01 Secretion in pituitary and other cells (rabbits, rats)
 ** NO1AM-71153-10 Pituitary gland storage tank (human)
 PO1CA-07304-11 0038 Steroid hormone production and metabolism in cancer - Protein hormones-ACTH (human)
 PO2CA-11051-06 0035 Clinical radiation research center - Histiocytosis X (human)
 RO1CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
 RO1CA-12109-04 0003 Trophoblastic disease - Radio immunoassay
 PO1CA-16359-01 0017 Cancer center support grant - Estrogen binding proteins
 NO1CB-23863-02 Isolation of prolactin cells from the human and rat adenohypophysis
 NO1CP-43250-00 Supply of human prolactin
 RO1DA-00296-01 Effects of acute and chronic methadone treatment (rats)
 ** RO1DA-00826-01 Pituitary-adrenal function and narcotic addiction (rats, mice)
 ** PO1DE-02848-06 0020 Biology of connective tissue, bones and teeth - Development of pituitary gland and immunocompetence (mice)
 P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
 RO1HD-01182-12 Ovarian-hypothalamic-hypophysal axis (rats)
 PO1HD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
 NO1HD-02149-04 Control of ovulation and corpus luteum function (rodents)
 RO1HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
 ** RO1HD-03159-07 Hypophysal response to estrogens and progestins (human, monkeys, cattle, rats)
 RO1HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
 PO1HD-05318-04 0002 Reproductive endocrinology - Studies in rats
 ** PO1HD-05318-04 0004 Reproductive endocrinology - Immunomorphology of hormone-target tissue interaction (rats, primates, human)
 ** PO1HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
 RO1HD-05622-04 Factors controlling the timing of LH release (rats, rabbits)
 RO1HD-05730-04 Development of reproductive function(rats)
 RO1HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
 ** PO1HD-06645-03 0008 Center for population research - Action of hypophysiotropic hormones on the anterior pituitary (rabbits)
 RO1HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)

RO1HD-07359-03 Gene function during post-natal development and ageing (rats, mice)
 ** PO1HD-07495-02 0005 Center for population research, studies in reproductive biology - Brain receptors for steroid hormones (rats)
 RO1HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
 ** RO1HD-07602-02 Neural influence on hypophysal-gonadal function (monkeys, rats)
 ** RO1HD-07915-01 Development and parturition of headless porcine fetuses
 RO1HD-07926-01 Human fetal neuroendocrinology
 RO1HD-08035-01 Regulation of the human hypothalamic-pituitary system
 RO1HD-08129-01 Endocrine function of transplanted uterus and ovary (sheep)
 RO1HD-08280-01 Contraceptive receptor mechanisms (rats, monkeys)
 RO1HD-08364-01 Sex hormones and development of the gonadotrophic axis (rats, mice)
 ** RO1HD-08436-02 Estrogen receptors and reproductive function (rats)
 RO1HL-00119-25 Regulation of cholesterol and phospholipid metabolism (human, rats)
 RO1HL-09921-09 0018 Mechanisms of congestive heart failure - Sodium depletion stimulus and volume depletion stimulus (dogs)
 ** PO1HL-13108-05 0014 Clinical heart transplantation - Pituitary function in the decerebrate patient
 ** P18HL-15997-02 0017 A comprehensive hospital-community sickle cell center - Pituitary function in sickle cell disease (human)
 RO1MH-21312-03 0024 Endocrinological determinants of behavior - Stimulation of RNA synthesis by estradiol benzoate in spayed guinea pigs
 RO1NS-01941-16 Neurophysiology of food intake (rodents)
 RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
 RO1NS-10860-01 Biochemical responses of brain to hydrocortisone (swine)
 RO1NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
 RO1NS-11443-01 Computational investigations of problems in neurology
 RO1NS-11501-01 Effects of steroids on 3H-thymidine uptake in brain (rats)
 PO1NS-11642-01 0003 Basic and clinical neuroendocrinology - Human fetal neuroendocrinology (rats)
 PO1NS-11642-01 0005 Basic and clinical neuroendocrinology - Ventricular system in neuroendocrine processes (cats, monkeys, rats, guinea pigs)
 PO1NS-11642-01 0006 Basic and clinical neuroendocrinology - Localization and secretion of LRF (mink, rats)
 PO1NS-11642-01 0010 Basic and clinical neuroendocrinology - Fine structural correlates of pineal gland function (hamsters)
 ** PO1NS-11642-01 0012 Basic and clinical neuroendocrinology - Tetrahydrocannabinol and hypothalamo-hypophysal-thyroid axis (rats)
 ** PO1NS-11642-01 0014 Basic and clinical neuroendocrinology - Pituitary function and nervous system
 ** PO1NS-11642-01 0015 Basic and clinical neuroendocrinology - Hormonal secretion in human pituitary cell culture
 MO1RR-00042-14 0005 General clinical research center - Hydrocortisone in Cushing's disease and obesity (human)
 MO1RR-00125-11 0159 General clinical research center-adult-child - Effect of melatonin on skin pigmentation and the endocrine system
 MO1RR-00240-10 0081 General clinical research center-Children - Thyroid dysfunction-Hypothalamic-pituitary-thyroid axis

PITUITARY GLAND, MEDIAN EMINENCE
 PO1AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
 RO1AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
 PO1ES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)
 P11GM-12675-10 0056 Biochemical toxicology and pharmacology - Effects of drugs on hypothalamic control of gonadotropin release
 RO1HD-02138-12 Central nervous system regulation of reproduction (rats)
 RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
 RO1NS-08171-06 Fine structure correlates of neuroendocrine mechanisms (human, mammals)
 ** RO1NS-10434-03 Neurohumoral events in cells ending in median eminence (rats)
 RO1NS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
 ** PO1NS-11642-01 0008 Basic and clinical neuroendocrinology - Cellular mechanisms of hormone action in the hypothalamus (rats)

PO1NS-11642-01 0009 Basic and clinical neuroendocrinology - Ultrastructural localization of neural hormones

PITUITARY GLAND, NEUROHYPOPHYSIS
 ** RO1AM-09289-25 Histopathology of amino acid deficiencies (rats)
 RO1AM-16175-03 Secretion of vasopressin (human, dogs)
 RO1NS-08626-06 Development of central nervous tissue in culture (mice)
 RO1NS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)
 RO1NS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)

PITUITARY GLAND, PARS INTERMEDIA
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, MSH
 RO1AM-02463-16 Investigation of the thyroid and pituitary (human, rats)
 ** RO1AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
 RO1NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
 ** RO1NS-10565-01 Pars intermedia rostral zone and ACTH secretion (rats)

PITUITARY GLAND CAUDAL, UROPHYSIS
 RO1HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)

PITUITARY GLAND DISORDERS (INCLUDING RELATED DISORDERS)
 RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)
 ** RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
 RO1AM-16166-01 The physiology of neurophysin secretion (human, animals)
 ** PO2CA-05826-13 0071 Clinical cancer research center - Endocrinologic studies in pituitary tumors (human)
 PO2CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
 RO1HD-00371-20 Hormonal function in growth and development in childhood (human)
 RO1HD-05794-04 Somatotrope metabolism and lactotrope metabolism (human, rats)
 ** RO1HD-08313-02 Regulation of anterior pituitary function in rat and man
 RO1MH-25133-02 0007 Steroid hormones in depressive illness - Depression and mania in Cushing's syndrome (human)
 MO1RR-00030-13 0119 General clinical research center - Use of LH releasing factor in pituitary function test
 ** MO1RR-00031-14 0036 General clinical research center - Pituitary-ovarian relationships (human)
 ** MO1RR-00031-14 0070 General clinical research center - Pituitary-testes axis (human)
 MO1RR-00034-14 0079 General clinical research center - Pseudohypoparathyroidism and thyrotropin deficiency (human)
 MO1RR-00034-14 0093 General clinical research center - Total lipodystrophy (human)
 ** MO1RR-00035-14 0098 General clinical research centers - Thyroid-pituitary axis (human)
 MO1RR-00036-14 0156 General clinical research center - Prolactin secretion in pituitary and hypothalamic disease (human)
 ** MO1RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)
 MO1RR-00043-14 0034 General clinical research center - Nocturnal growth hormone secretion studies (human)
 ** MO1RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
 ** MO1RR-00054-13 0070 General clinical research center - Synthetic LH-RH as a pituitary diagnostic test (human)
 MO1RR-00062-12 0037 Clinical research center, children - Influence of growth hormone on bile acid metabolism
 MO1RR-00064-10 0010 General clinical research center - Procedure for measuring abnormalities in ACTH release (human)
 ** MO1RR-00065-12 0027 General clinical research center - Catecholamine responsiveness to growth hormone deficiency, hypothyroidism (human)
 MO1RR-00071-11 0051 General clinical research center - Effect of growth hormone in growth hormone deficiency (human)
 MO1RR-00073-12 0062 General clinical research center - Water-electrolyte metabolism in abnormal anti-diuretic hormone secretion (human)
 ** MO1RR-00079-12 0095 General clinical research center - Evaluation of pituitary function with thyroid releasing factor (human)
 ** MO1RR-00079-12 0129 General clinical research center - Prolactin secretion in hypothalamic and pituitary disorders (human)
 ** MO1RR-00080-12 0028 General clinical research center - Growth hormone studies (human)
 ** MO1RR-00080-12 0063 General clinical research center - Pituitary function in children of reared stature (human)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00081-12 0023 General clinical research center, premature infants - Inappropriate ADH secretion in hypoglycemia
- ** MO1RR-00082-12 0090 General clinical research center - Rapid assessment of pituitary adrenal function with III pitressin (human)
- MO1RR-00082-12 0096 General clinical research center - Stimulation of growth hormone by propranolol glucagon administration (human)
- MO1RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)
- ** MO1RR-00107-11 0057 General clinical research center - Thyrotropin and thyroid physiology (human)
- MO1RR-00125-11 0212 General clinical research center - adult-child - Endocrines in iron storage associated with thalassemia major
- ** MO1RR-00134-10 0036 General clinical research center - Test of pituitary adrenal function and cortisol metabolism (human)
- ** MO1RR-00229-09 0064 General clinical research center - Stimulation and inhibition of ACTH release in pituitary disease (human)
- ** MO1RR-00240-10 0084 General clinical research center - Children - Fasting hypoglycemia and pituitary disease
- ** MO1RR-00336-08 0057 General clinical research center - Incidental irradiation of pituitary
- MO1RR-00400-06 0038 General clinical research center - adult - Thyrotropin releasing factor on plasma TSH levels (human)
- MO1RR-00645-03 0018 Clinical research center - Regulation of tyrosine and glutamic acid by thyroid and adrenal hormones (human)
- MO1RR-00645-03 0037 Clinical research center - Enzyme defects in carbohydrate and protein disorders of the liver (human)
- ** MO1RR-00645-03 0069 Clinical research center - Prolactin response to TRH in somatotropin deficient children
- ** MO1RR-00828-01 0030 General clinical research center - Use of clozapine in evaluation of human pituitary function
- PITUITARY GLAND DISORDERS, ACROMEGALY**
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
- RO1AM-04146-13 Pathogenesis of microangiopathy in diabetes (human)
- PO2AM-05630-12 0010 Metabolic unit for the Department of Medicine - Prolactin and its role in disease (human)
- RO1AM-12763-05 Insulin release in diabetes (human, cattle)
- RO1AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
- RO1AM-17334-02 Release of HGH, HPRL, HLH and HFSH in sleep-wake cycles (human)
- PO2CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
- MO1RR-00030-13 0053 General clinical research center - Monamines and insulin secretion (human)
- ** MO1RR-00034-14 0049 General clinical research center - Residual pituitary function in acromegaly after hypophysectomy (human)
- ** MO1RR-00036-14 0057 General clinical research center - Effect of medroxy progesterone acetate in acromegaly (human)
- MO1RR-00036-14 0156 General clinical research center - Prolactin secretion in pituitary and hypothalamic disease (human)
- ** MO1RR-00036-14 0176 General clinical research center - Alpha-adrenergic stimulation of growth hormone secretion in acromegaly (human)
- ** MO1RR-00043-14 0034 General clinical research center - Nocturnal growth hormone secretion studies (human)
- ** MO1RR-00043-14 0035 General clinical research center - Effect of L-dopa on pituitary function (human)
- ** MO1RR-00043-14 0036 General clinical research center - Growth hormone levels in acromegaly with various treatments (human)
- ** MO1RR-00043-14 0083 General clinical research center - Assessment of acral changes in acromegaly (human)
- MO1RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
- ** MO1RR-00046-14 0031 General clinical research center - Skeletal growth factors in acromegaly
- MO1RR-00047-14 0021 General clinical research center - Fate of tritium labeled vitamin D in man
- MO1RR-00051-13 0029 General clinical research center - Cryoablation in treatment of pituitary tumors (human)
- ** MO1RR-00053-13 0060 Clinical research center - Circadian pattern of growth hormone secretion in acromegaly (human)
- ** MO1RR-00063-12 0011 General clinical research center - HGH in nutritional status of Sheehan's syndrome patients
- ** MO1RR-00063-12 0024 General clinical research center - Clinical and hormonal studies in acromegaly and gigantism (human)
- MO1RR-00069-12 0023 General clinical research center, children - Nycthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma
- MO1RR-00069-12 0093 General clinical research center, children - Assessing growth hormone, free-fatty acid feedback loop
- ** MO1RR-00079-12 0013 General clinical research center - Effects of cryoablation for acromegaly (human)
- MO1RR-00079-12 0105 General clinical research center - Characteristics of hyperinsulinism (human)
- MO1RR-00080-12 0028 General clinical research center - Growth hormone studies (human)
- ** MO1RR-00082-12 0095 General clinical research center - Metabolic and endocrine study of cerebral gigantism (human)
- ** MO1RR-00125-11 0146 General clinical research center - adult-child - Acromegaly
- MO1RR-00125-11 0163 General clinical research center - adult-child - Regulation of aldosterone secretion in hypertension
- MO1RR-00349-08 0038 General clinical research center - Chlorpromazine and medroxyprogesterone acetate (human)
- ** MO1RR-00400-06 0030 General clinical research center - adult - Treatment of acromegaly with medroxyprogesterone acetate (human)
- MO1RR-00425-06 0030 General clinical research center - Glucose homeostasis (human)
- ** MO1RR-00749-02 0050 General clinical research center - Plasma growth hormone in acromegaly (human)
- ** MO1RR-00828-01 0027 General clinical research center - Relationship of HGH release to adrenal-pituitary axis in acromegaly (human)
- PITUITARY GLAND DISORDERS, HYPERPITUITARISM**
SEE ALSO PITUITARY GLAND DISORDERS, ACROMEGALY
RO1AM-16342-01 Pituitary and adrenals in glucagon release and activity (rats, dogs)
- PITUITARY GLAND DISORDERS, HYPOPITUITARISM**
SEE ALSO METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, KALLMANN'S SYNDROME
SEE ALSO SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY
- RO1AM-06180-23 Relation of hormones to growth and development (human)
- RO1AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
- RO1AM-05318-13 Pituitary-adrenal physiology and pharmacology (human)
- RO1AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
- RO1AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
- RO1AM-17334-02 Release of HGH, HPRL, HLH and HFSH in sleep-wake cycles (human)
- RO1AM-18130-01 Insulin and human growth hormone - Secretion and metabolic actions
- ** PO2CA-05826-13 0057 Clinical cancer research center - Enzyme treated bovine growth hormone
- ** P11GM-15956-07 0043 Factors affecting the responses to drugs - Genetic hypopituitarism and isolated gonadotropin deficiency (human)
- ** RO1HD-00325-18 0010 Longitudinal and related psychohormonal studies - Androgen substitution in hypopituitary males
- RO1HD-00371-20 Hormonal function in growth and development in childhood (human)
- ** RO1HD-02335-09 0004 Hormonal effects on growth and maturation - Growth hormone deficiency (human)
- RO1HD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
- PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit
- ** PO1HD-04485-04 0003 Growth hormone structure-function relationships - Activity of growth hormone derivatives in man (swine)
- PO1HD-06276-03 0020 Mental retardation research program - Biological basis of sex difference in cognitive stage (children)
- ** RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- RO1HL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)
- MO1RR-00030-13 0002 General clinical research center - Intracranial extracellular lesions on endocrine function (human)
- ** MO1RR-00030-13 0085 General clinical research center - Growth hormone administration in hypopituitarism (human)
- ** MO1RR-00031-14 0071 General clinical research center - Hypopituitarism (human)
- ** MO1RR-00035-14 0100 General clinical research centers - Effect of placental lactogen in hypopituitarism (human)
- ** MO1RR-00035-14 0101 General clinical research centers - Pituitary hormone in hypopituitarism (human)
- MO1RR-00036-14 0156 General clinical research center - Prolactin secretion in pituitary and hypothalamic disease (human)
- ** MO1RR-00043-14 0004 General clinical research center - Panhypopituitarism (human)
- MO1RR-00043-14 0034 General clinical research center - Nocturnal growth hormone secretion studies (human)
- MO1RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
- ** MO1RR-00046-14 0031 General clinical research center - Skeletal growth factors in acromegaly
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- MO1RR-00051-13 0029 General clinical research center - Cryoablation in treatment of pituitary tumors (human)
- ** MO1RR-00053-13 0060 Clinical research center - Circadian pattern of growth hormone secretion in acromegaly (human)
- ** MO1RR-00063-12 0011 General clinical research center - HGH in nutritional status of Sheehan's syndrome patients
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- MO1RR-00069-12 0023 General clinical research center, children - Nycthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma
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- ** MO1RR-00063-12 0024 General clinical research center - Clinical and hormonal studies in acromegaly and gigantism (human)
- MO1RR-00069-12 0023 General clinical research center, children - Nycthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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PITUITARY GLAND DISORDERS DIAGNOSIS*

- ** MO1RR-00030-13 0119 General clinical research center - Use of LH releasing factor in pituitary function test
- ** MO1RR-00031-14 0071 General clinical research center - Hypopituitarism (human)
- ** MO1RR-00036-14 0156 General clinical research center - Prolactin secretion in pituitary and hypothalamic disease (human)
- ** MO1RR-00059-13 0156 General clinical research center - Use of AY-24031 as a pituitary diagnostic test (human)
- ** MO1RR-00084-12 0032 General clinical research center-children - Hypothalamic-pituitary control mechanisms
- MO1RR-00134-10 0055 General clinical research center - Effect synthetic LH releasing factor on pituitary function in man
- ** MO1RR-00261-09 0110 General clinical research center - Use of LH releasing hormone pituitary diagnosis (human)
- ** MO1RR-00400-06 0010 General clinical research center-adult - Glucagon test for growth hormone (human)
- MO1RR-00400-06 0030 General clinical research center-adult - Treatment of acromegaly with medroxyprogesterone acetate (human)
- ** MO1RR-00425-06 0073 General clinical research center - Pituitary function after direct-vision trans-sphenoidal hypophyseal (human)

PITUITARY-GONADAL AXIS

- ** RO1AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
- RO1CA-15622-01 Endocrinology of experimental ovarian tumors (parabiotic rats)
- PO1GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
- ** RO1GM-19934-12 Integrated genetic systems in siphophorus
- PO1HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophyseal-gonadal axis (rats, human)
- ** RO1HD-06672-03 Alterations in the mechanism of estrogen action (rats)
- RO1HD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
- ** PO1HD-08338-01 0003 Control of male reproduction - Gonadotropin secretion in LH and FSH clone cultures (mice)
- ** PO1HD-08338-01 0005 Control of male reproduction - Pituitary gonadal interaction in men
- ** PO1HD-08338-01 0012 Control of male reproduction - The gonado pituitary feedback
- PO1HD-08338-01 0013 Control of male reproduction - Development of contraceptive agents for the human male
- ** RO1HD-08636-01 Reproductive endocrine development in the monkey (rhesus)
- ** RO1NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- ** MO1RR-00125-11 0219 General clinical research center-adult-child - Hypothalamic-pituitary-gonadal axis in abnormal sex development

PITUITARY HORMONES

SEE PITUITARY-DIENCEPHALON HORMONES, PITUITARY HORMONES

PITUITARY NECROSIS POSTPARTUM

SEE PITUITARY GLAND DISORDERS, HYPOPITUITARISM, SHEEHAN'S SYNDROME

PITUITARY NEOPLASMS

SEE ALSO NEOPLASMS, EMBRYONIC, CRANIOPHARYNGEOMA

- RO1AM-04784-14 Control of secretion of hypothalamic hormones
- ** RO1AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
- PO2AM-05630-12 0010 Metabolic unit for the Department of Medicine - Prolactin and its role in disease (human)
- RO1AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)
- ** RO1CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)
- PO1CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
- ** RO1CA-05191-15 Some endocrine aspects of neoplasia (mice)
- RO1CA-05671-14 0013 Glucocorticoid receptors in normal and malignant tissue - Tumor inhibition of enzyme induction (rats)
- ** PO2CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
- ** RO1CA-05985-13 0004 Stages of carcinogenesis of the cervix uteri in mice - Single locus models for ovarian and pituitary tumorigenesis (mice)
- ** PO1CA-07304-11 0046 Steroid hormone production and metabolism in cancer - Sulfation factor in hypothalamic tumors (human)
- ** RO1CA-07535-11 Influence of hormones on tissue metabolism (rats)
- RO1CA-08349-09 Potential tumor or organ imaging agents
- PO1CA-10748-07 0009 Cancer chemotherapy program - Interaction of radioactive estrogens, androgens and progestins (mice, human)

- ** RO1CA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
- ** PO2CA-11051-06 0029 Clinical radiation research center - Evaluation of pituitary adenoma irradiation (human)
- RO1CA-11704-04 Prolactin (human)
- RO1CA-12338-03 Somatic cell genetics-Mutations and carcinogenesis (human, rodents)
- PO2CA-12924-03 0030 Tufts cancer research center - Somatic cell genetics (tissue culture)
- RO1CA-13410-02 Mechanism of hormone action on target cells in culture (human, rats, mice)
- RO1CA-13881-02 Radiation in vitro-Mammary cell survival-Neoplasia (rats)
- ** PO1CA-14089-01 0016 Pilot multidisciplinary cancer research program - Ultrastructural histochemistry of pituitary tumors (human)
- PO1CA-15823-01 0003 Program in developmental biology of cancer - Functional and nuclear differentiation (rats, rabbits)
- ** RO1CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
- RO1FD-00634-11 Neoplasms in irradiated human populations
- ** PO1HD-05797-04 0020 Population and reproductive biology - Macromolecular conformation in collagen (human, mice)
- MO1RR-00030-13 0119 General clinical research center - Use of LH releasing factor in pituitary function test
- MO1RR-00031-14 0036 General clinical research center - Pituitary-ovarian relationships (human)
- ** MO1RR-00036-14 0121 General clinical research center - Hypothalamic regulation of pituitary tumors (human)
- MO1RR-00044-14 0079 General clinical research center - TSH release in various disorders of the hypothalamic-pituitary axis (human)
- ** MO1RR-00044-14 0095 General clinical research center - FSH producing pituitary tumor (human)
- ** MO1RR-00051-13 0029 General clinical research center - Cryohypophysectomy in treatment of pituitary tumors (human)
- MO1RR-00053-13 0001 Clinical research center - Cortisol and ACTH secretory patterns (human)
- ** MO1RR-00055-13 0026 General clinical research center - Endocrine status in pituitary tumor (human)
- MO1RR-00056-13 0013 General Clinical Research Center - In vivo and in vitro comparison of TSH responses (human)
- ** MO1RR-00056-13 0041 General Clinical Research Center - Pre- and post-operative study of patients with pituitary tumor
- MO1RR-00065-12 0049 General clinical research center - Pituitary function after vision trans-sphenoidal hypophyseal surgery (human)
- MO1RR-00080-12 0067 General clinical research center - Human prolactin studies
- MO1RR-00084-12 0040 General clinical research center-children - Studies with thyrotropin releasing hormone
- MO1RR-00095-14 0001 General clinical research center - Regulation of pituitary function (human)
- ** MO1RR-00125-11 0146 General clinical research center-adult-child - Acromegaly
- MO1RR-00134-10 0055 General clinical research center - Effect synthetic LH releasing factor on pituitary function in man
- MO1RR-00229-09 0040 General clinical research center - Development of hypopituitarism after yttrium 90 pituitary implant (human)
- MO1RR-00425-06 0073 General clinical research center - Pituitary function after direct-vision trans-sphenoidal hypophyseal (human)

PITUITARY REMOVAL

- RO1AI-01876-17 Sparganosis and cestode biology (rodents)
- RO1AM-01447-19 Neuroendocrine and thyroid physiology (rats)
- RO1AM-01940-16 Neurohypophysial regulation of water excretion (rats, cats, fish)
- RO1AM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
- PO1AM-08458-10 0001 Uremia and exchange of ions and water - Factors affecting renal excretion of sodium (dogs, cattle, toads, human)
- RO1AM-08893-10 Mechanisms responsible for ligamentous strength (animals)
- RO1AM-10948-05 Endocrine regulation of muscle growth (chickens)
- RO1AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- RO1AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
- RO1AM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
- RO1AM-14706-03 Polyamines and RNA synthesis during liver regeneration (rats)
- RO1AM-14742-04 Growth regulation in regeneration (newts)
- RO1AM-14997-04 Thyrotropin releasing factor secretion and actions (human, rats)
- RO1AM-15658-03 Regulation of skeletal metabolism (rats)
- RO1AM-15901-03 The metabolic activity of thymic hormone (rats)
- RO1AM-16294-02 Regulation of individual nephron filtration rates (birds)

- RO1AM-16342-01 Pituitary and adrenals in glucagon release and activity (rats, dogs)
- RO1AM-16497-02 0005 Normal and disordered thyroid hormone economy - Cyclic nucleotide metabolism during thyroidal autoregulation (rats)
- RO1AM-16649-01 Mechanism of action of growth hormone (rats)
- RO1AM-16731-02 Hormonal action in amphibian skin (newts)
- RO1AM-16833-01 Adrenal cells in vitro-Ultrastructure and steroids
- RI0CA-03364-17 Cooperative breast cancer group
- RI0CA-03764-16 Cooperative breast cancer group
- RO1CA-05191-15 Some endocrine aspects of neoplasia (mice)
- RO1CA-05197-15 Endocrine factors influencing tumor growth in man
- PO2CA-05826-13 0047 Clinical cancer research center - Medical and metabolic studies-growth hormone peptides in man
- ** PO2CA-05826-13 0071 Clinical cancer research center - Endocrinologic studies in pituitary tumors (human)
- PO2CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
- PO2CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
- ** PO2CA-08480-09 0002 Childhood cancer research center - Molecular mechanisms of growth hormone (rats)
- RO1CA-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
- ** PO2CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
- RO1CA-13777-02 Potential of ergot alkaloids in control of breast cancer (mice, rats)
- RO1CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
- PO1CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- RO1CA-16149-01 Role of prolactin in breast and prostate cancer (human)
- NO1CB-23859-02 The role of prolactin in breast cancer (human, rats)
- NO1CP-43230-00 Pituitary hormones and androgens (mice, guinea pig, hamster, dogs, human)
- PO1EY-00227-13 0010 The posterior segment of the eye - Diabetic retinopathy (human)
- PI1GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- PI1GM-15956-07 0008 Factors affecting the responses to drugs - Bile acid secretion and canalicular bile production (dogs, rabbits, rats)
- RO1GM-20594-02 Enzymatic modification of carbonyl residues in protein (rats, E. coli, human)
- RO1HD-02371-08 Hormone control of the mammary gland (human, animals)
- RO1HD-02715-06 Fetal and neonatal adrenocortical function in monkeys
- RO1HD-03236-06 Metabolism of lipids and calcium during aging (rats)
- RO1HD-03752-05 0011 Mammalian reproduction - Cultured ovaries implanted in kidneys of ovariectomized mice
- PO1HD-05797-04 0024 Population and reproductive biology - Electron microscopy of sperm maturation in the rabbit
- PO1HD-05797-04 0025 Population and reproductive biology - Electron microscopy of sperm maturation in the rat
- PO1HD-05797-04 0034 Population and reproductive biology - Histology and photography
- RO1HD-06316-03 Gonado-pituitary axis in the rat
- RO1HD-07138-02 Cortical steroid regulation of muscle development (chick embryo)
- PO1HD-07495-02 0014 Center for population research, studies in reproductive biology - Control and regulation of spermatogenesis (rodents)
- RO1HL-09921-09 0015 Mechanisms of congestive heart failure - Aldosterone secretory rate and concentration in plasma
- RO1HL-11534-07 Mechanism of cardiac hypertrophy (rats)
- PI7HL-14182-04 0008 A special center of research in thrombosis - Coagulation changes in diabetic retinopathy (human)
- RO1HL-15732-02 Mineralocorticoid hypertension (rats)
- RO1MH-19438-04 0001 Neurochemistry of obesity and learned taste aversions - Hypophysectomy in gold thioglucose treated mice (and rats)
- PO1MH-23861-02 0010 Biogenic amines and behavior - Relation of catecholamines to pituitary-adrenal function (rats, human)
- ** MO1RR-00034-14 0049 General clinical research center - Residual pituitary function in acromegaly after hypophysectomy (human)
- MO1RR-00036-14 0156 General clinical research center - Prolactin secretion in pituitary and hypothalamic disease (human)
- MO1RR-00043-14 0036 General clinical research center - Growth hormone levels in acromegaly with various treatments (human)
- ** MO1RR-00051-13 0029 General clinical research center - Cryohypophysectomy in treatment of pituitary tumors (human)

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- MO1RR-00053-13 0022 Clinical research center - Growth hormone in breast cancer (human)
 MO1RR-00053-13 0079 Clinical research center - Endocrine effects on leukocytopoiesis (rats)
 ** MO1RR-00055-13 0096 General clinical research center - Hypophysectomy in treatment of embryonal cell testicular tumor (human)
 ** MO1RR-00065-12 0049 General clinical research center - Pituitary function after vision trans-sphenoidal hypophyseal surgery (human)
 ** MO1RR-00079-12 0013 General clinical research center - Effects of cryohypophysectomy for acromegaly (human)
 MO1RR-00080-12 0067 General clinical research center - Human prolactin studies
 ** MO1RR-00334-08 0013 General clinical research center - Adrenalectomy and hypophysectomy in breast carcinoma
 MO1RR-00349-08 0054 General clinical research center - Human gonadotropin on ovarian function
 ** MO1RR-00425-06 0073 General clinical research center - Pituitary function after direct-vision trans-sphenoidal hypophyseal (human)

PITUITARY STALK SECTION

- ** MO1RR-00046-14 0040 General clinical research center - Endocrine and metabolic effects of pituitary stalk section (human)

PITUITARY-THYROID AXIS

- ** RO1AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
 RO1AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
 RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)
 RO1AM-14314-05 Physiological significance of triiodothyronine (human, rats, primates)
 RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
 ** RO1AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
 PO1HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
 ** MO1RR-00084-12 0041 General clinical research center - children - Hypothalamic-pituitary regulation in familial goiter
 ** MO1RR-00096-14 0052 Clinical research center - Assessment of derangements of hypothalamic-pituitary-thyroid axis using TRH
 ** MO1RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)

PITYRIASIS

SEE SKIN DISORDERS, PITYRIASIS

PITYRIASIS RUBRA

SEE SKIN DISORDERS, PITYRIASIS RUBRA

PK

SEE IONIZATION CONSTANTS

PLACEBO EFFECT

SEE THERAPY, PLACEBO EFFECT

PLACENTA

SEE PREGNANCY, PLACENTA

PLACENTAL BARRIER

SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLACENTAL DISORDERS (GENERAL)

SEE PREGNANCY DISORDERS, PLACENTAL DISORDERS (GENERAL)

PLACENTAL HORMONES

SEE REPRODUCTIVE HORMONES, PLACENTAL HORMONES

PLACENTAL NEOPLASMS

SEE PREGNANCY, PLACENTAL NEOPLASMS

PLACENTAL TRANSFER

SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLACENTAL TRANSFUSION

SEE PREGNANCY, EMBRYO-FETUS TRANSFUSION

PLANKTON

SEE WATER ENVIRONMENT, PLANKTON

PLANNING, COMMUNITY (REGIONAL)

SEE SOCIAL PLANNING, COMMUNITY (REGIONAL) PLANNING

PLANNING, FAMILY

SEE FAMILY PLANNING

PLANNING, HOSPITALS

SEE HOSPITALS PLANNING

PLANNING, REGIONAL MEDICAL

SEE HEALTH CARE (SERVICES)(RESOURCES)PLANNING, REGIONAL MEDICAL PLANNING

PLANNING AND MANAGEMENT, PATIENT CARE

SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT, PLANNING

PLANNING OF EDUCATIONAL PROGRAMS (SYSTEMS)

SEE EDUCATION PROGRAMS (SYSTEMS) EVALUATION-PLANNING

PLANNING OF BIOMEDICAL RESEARCH PROGRAMS

SEE HEALTH SCIENCES RESEARCH ANALYSIS-EVALUATION-PLANNING

PLANNING OF HEALTH RESOURCES-SERVICES

SEE HEALTH CARE (SERVICES)(RESOURCES) PLANNING

PLANNING OF SOCIAL SERVICE PROGRAMS

SEE SOCIAL SERVICES ANALYSIS-EVALUATION-PLANNING

PLANT EXTRACTS

SEE PLANTS EXTRACTS

PLANT OILS (FATS)

SEE LIPIDS, OILS, VEGETABLE OILS

PLANT POISONING

SEE TOXICOLOGY, PLANT POISONING

PLANT POISONS

SEE TOXICOLOGY, PLANT POISONS

PLANTS (GENERAL)*

SEE ALSO AGRICULTURE

SEE ALSO ALGAE*

SEE ALSO ENVIRONMENT, ECOLOGY PLANTS

SEE ALSO GENETICS, POPULATION GENETICS PLANTS

SEE ALSO PESTICIDES, HERBICIDES

- RO1AF-02908-15 Secretions of arthropods (amphibians, birds, reptiles, rodents)
 RO1AM-14762-04 Role of protein structure in amino acid availability (plants, rats)
 RO1AM-16014-03 Comparative nutrient content, and utilization of food (human, laboratory animals)
 RO1AM-16214-14 Metabolism and analysis of goiter-inducing indoles (wood plant)
 RO1CA-10171-09 Submicroscopic structure of living cells (marine biology)
 RO1CA-11572-05 Structural and biological studies of natural products (plants, animals)
 RO1CA-11718-05 Chemistry of tumor-inhibitory natural products
 ** NO1CM-33747-02 Collection of indigenous and exotic plants
 NO1CM-33750-01 Collection, fractionation and purification of plant extracts
 NO1CM-43707-00 Preparation of plant extracts
 NO1CM-70747-10 Preparation of plant extracts
 ** RO1DA-00019-07 Biochemistry of opium and tobacco alkaloids
 NO1DA-20183-01 Determination of cannabinoids (plants, animals, human)
 PO1ES-00044-10 0003 Mechanisms of pesticide action - Action and metabolism of herbicides (plants, mammals nonhuman)
 RO1ES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)
 ** PO1ES-00210-07 0021 Center for environmental management - Hydroxylation of xenobiotics by plants
 ** RO1ES-00254-12 Selenium metabolism (bacteria, plants, rats, mice)
 RO1ES-00569-09 Fungus toxins and moldy food diseases (rats)
 ** RO1ES-00654-01 Photoreaction and herbicide metabolism
 PO1ES-00735-01 0003 Public health hazards and environmental fate of parathion - Deposit and drift (air, soil, plants, insects, human)
 ** NO1ES-22043-05 Fate of heavy metals and heavy metal complexes in soils and plants
 RO1GM-04922-18 Heme and chlorophyll biosynthesis (chick embryo, mice, barley)
 ** RO1GM-19807-02 0001 Membrane permeability as a regulatory element - Glycolytic control (plants, fungi)
 RO1GM-19807-02 0002 Membrane permeability as a regulatory element - Ripening triggers in relation to ethylene production (plants)
 RO1GM-19807-02 0003 Membrane permeability as a regulatory element - Role of protein synthesis in ripening (plants)
 ** RO1GM-19807-02 0004 Membrane permeability as a regulatory element - Aerobiosis as an element in ripening (plants)
 ** RO1GM-19807-02 0005 Membrane permeability as a regulatory element - Origin of ethylene (plants)
 ** RO1GM-19807-02 0006 Membrane permeability as a regulatory element - Respiratory substrates in preclimacteric and climacteric fruit
 RO1GM-19807-02 0008 Membrane permeability as a regulatory element - Genesis of lipolytic activity (plants)
 RO1GM-19807-02 0009 Membrane permeability as a regulatory element - Location and activation of fatty acid alpha-oxidase (plants)
 RO1GM-19807-02 0010 Membrane permeability as a regulatory element - Control of respiratory development in slices (plants)

- RO1GM-19807-02 0011 Membrane permeability as a regulatory element - Phytochrome involvement in respiratory development (plants)
 RO1GM-19807-02 0013 Membrane permeability as a regulatory element - Isotherms in relation to the presence of membrane active substances (plants)
 RO1GM-19807-02 0016 Membrane permeability as a regulatory element - Need for ADP in the implementation of uncoupler action (plants)
 RO1GM-19807-02 0017 Membrane permeability as a regulatory element - Substrate metabolism
 RO1GM-19807-02 0018 Membrane permeability as a regulatory element - NADH oxidation by potato mitochondria
 RO1GM-21165-01 Analysis of lactins in tropical rainforest plants
 ** PO1HL-08214-11 0016 Chemical and biological properties of lipids - Lipid synthesis by higher plants
 RO1NS-06856-08 Storage disease-intracellular transport and digestion (human, animals, plants)
 SO1RR-05621-08 General research support (plants)
 ** SO1RR-05679-06 General research support (plants)

PLANTS, ALFALFA*

- RO1CA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice)
 RO1HL-05209-14 Lipid metabolism (baboons, monkeys)

PLANTS, ANGIOSPERMS (GENERAL)*

- RO1AI-00226-23 Problems related to biologically active products
 RO1CA-13648-02 Antitumor agents from natural sources (plants, mammals)
 RO1DA-00014-15 Studies on opium and the opium poppy
 NO1DA-00109-09 Production of Cannabis sativa L
 RO1GM-20368-02 Synthesis and biosynthesis of cephalotaxine
 RO1GM-21182-07 Synthesis of alkaloidal medicinal agents
 RO1HL-12971-12 Reactions of alkaloids and their analogs

PLANTS, CACTUS*

SEE ALSO ALKALOIDS, PEYOTE

- ** RO1GM-21211-01 Cacti as drugs of abuse

PLANTS, COMPOSITAE*

- RO1CA-13121-16 Studies in phytochemistry (compositae)
 RO1GM-19783-01 Action and metabolic fate of liver toxins (mice, sheep, plants)

PLANTS, FABACEAE*

- SEE ALSO METABOLIC DISORDERS INBORN, FAVISM
 SEE ALSO TOXICOLOGY, PLANT POISONING, LATHYRISM
 RO1AI-04930-12 Biochemistry of infections-Cell wall degradation
 RO1AI-09477-06 Biochemistry of plant resistance to pseudomonads
 RO1CA-08964-08 Energy metabolism in normal and tumor cells (cattle, plants, microorganisms)
 ** PO1CA-12536-04 0007 Effects of small doses of ionizing radiation - RBE and OER for Vicia faba
 RO1HD-04488-11 Biochemical systematic investigations
 RO1NS-08947-05 Metabolic studies on neurotoxins (rodents, plants)

PLANTS, FABACEAE, PHASEOLUS*

- RO1AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
 RO1FD-00568-01 Chemical improvement of proteins for food uses (fish, eggs, casein, soy beans)
 RO1HL-05209-14 Lipid metabolism (baboons, monkeys)
 ** PO1HL-08214-11 0034 Chemical and biological properties of lipids - Factors affecting lipids of soybeans

PLANTS, FERNS*

- ** RO1CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
 RO1CA-12317-03 Antitumor agents from plants (mice, rats)
 PO1CA-13343-02 0001 Environmental cancer - Natural product carcinogens (plants, rats)
 ** R2GCA-14523-02 Urinary bladder carcinogenesis by bracken fern (cattle, rats, mice)
 R2GCA-16768-01 International bladder cancer study-Planning phase (human)
 RO1HD-04488-11 Biochemical systematic investigations

PLANTS, FERNS, BRACKEN FERN*

- RO1CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
 R2GCA-16768-01 International bladder cancer study-Planning phase (human)

PLANTS, FRUIT GENERAL*

- PO1ES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
 PO1ES-00735-01 0002 Public health hazards and environmental fate of parathion - Penetration, uptake and degradation products (fruits, vegetables)
 ** RO1FD-00433-04 Carbonyl accumulation during browning (rats)
 ** RO1GM-19807-02 0001 Membrane permeability as a regulatory element - Glycolytic control (plants, fungi)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Distorted significantly to above subject.

|| Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-19807-02 0002 Membrane permeability as a regulatory element - Ripening triggers in relation to ethylene production (plants)
- R01GM-19807-02 0005 Membrane permeability as a regulatory element - Origin of ethylene (plants)
- ** R01GM-19807-02 0006 Membrane permeability as a regulatory element - Respiratory substrates in preclimacteric and climacteric fruit
- R01GM-19807-02 0009 Membrane permeability as a regulatory element - Location and activation of fatty acid alpha-oxidase (plants)
- R01GM-19807-02 0010 Membrane permeability as a regulatory element - Control of respiratory development in slices (plants)
- R01GM-19807-02 0012 Membrane permeability as a regulatory element - Respiratory development and depression (plants)
- R01GM-19807-02 0013 Membrane permeability as a regulatory element - Isotherms in relation to the presence of membrane active substances (plants)
- R01GM-19807-02 0014 Membrane permeability as a regulatory element - Kinetics and basics of mitochondrial conditioning (plants)

PLANTS, FRUIT, BANANAS*

- R01GM-19807-02 0002 Membrane permeability as a regulatory element - Ripening triggers in relation to ethylene production (plants)
- ** R01GM-19807-02 0003 Membrane permeability as a regulatory element - Role of protein synthesis in ripening (plants)
- ** R01GM-19807-02 0004 Membrane permeability as a regulatory element - Aerobiosis as an element in ripening (plants)

PLANTS, GRAIN GENERAL*

- ** R01AI-10048-14 0004 International center for medical research - Rodent ecology in relation to energy sources (rats)
- R01FD-00176-06 Mycotoxins in feeds and foods (swine, rats, fowl)

PLANTS, GRAIN, CORN*

- R01AM-08533-10 Utilization of essential amino acids by man (also rats)
- R01AM-15480-03 Tryptophan metabolism in pellagra (human)
- P01GM-15422-07 0009 Program project in genetics - Regulation of gene action in maize
- P01GM-15422-07 0013 Program project in genetics - Biochemical and developmental genetics of maize
- R01GM-18663-03 Regulation of ribosomal DNA and RNA transcription (plants)

PLANTS, GRAIN, RICE*

- R01AM-08533-10 Utilization of essential amino acids by man (also rats)
- ** N01AM-70726-10 Screening of rice varieties
- ** M01RR-00030-13 0077 General clinical research center - Metabolic and endocrine effect of rice diet (human)

PLANTS, GRAIN, WHEAT*

- R01AI-10056-04 Cellular regulation of growth and DNA synthesis (E. coli, wheat)
- R01AM-08533-10 Utilization of essential amino acids by man (also rats)
- R22AM-09980-09 0007 Infantile diarrhea and malnutrition (Peru, Baltimore) - Evaluation of new and enriched feeds (human)
- R01AM-14762-04 Role of protein structure in amino acid availability (plants, rats)
- ** P01CA-06927-12 0017 Biological and biochemical program in cancer research - Growth and differentiation of plant systems
- R01HL-05209-14 Lipid metabolism (baboons, monkeys)

PLANTS, GRASSES*

SEE ALSO PLANTS, GRAIN GENERAL*

- R01AI-09232-04 Hapten hypersensitization (human-clinical, primates, rodents, plants, rabbits)
- M01ES-22043-05 Fate of heavy metals and heavy metal complexes in soils and plants

PLANTS, LEAVES*

- R01GM-17913-04 New methodologies in bioanalytical chemistry
- R01HD-06851-02 Regulation of leaf senescence by plant hormones

PLANTS, LEGUMES*

SEE ALSO PLANTS, FABACEAE*

- R01AM-08533-10 Utilization of essential amino acids by man (also rats)
- ** R01AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
- R01GM-21165-01 Analysis of lectins in tropical rainforest plants

PLANTS, MILKWEED*

- R01CA-12618-01 Cancer inhibitors from asclepiads

PLANTS, MOSS*

- P01HL-08214-11 0004 Chemical and biological properties of lipids - Lipids in microorganisms and plants (gingko, moss)

PLANTS, PLANTINGS, URBAN

SEE SOCIOENVIRONMENT, URBAN PLANTINGS AND GREEN AREAS

PLANTS, RAGWEED*

- R01AI-01303-18 Clinical and immunologic effects of specific immunotherapy (human, guinea pigs)
- ** R01AI-04866-12 A study of allergy to ragweed pollen (human)
- ** R01AI-08104-07 Reaginic antibody in ragweed hay fever (human)
- ** R01AI-08445-05 Chemical studies on proteins of immunological interest
- R01AI-09565-05 Immunochemical studies immediate hypersensitivity (human, rabbits, guinea pigs)
- ** P15AI-11403-02 0001 Allergic diseases center grant - Immunotherapy with polymerized ragweed antigen E (human)
- P15AI-11403-02 0006 Allergic diseases center grant - Immunologic characteristics of cells and serum of allergic patients
- P15AI-12026-01 0001 Asthma and allergic diseases centers grant - Thymus-dependent immune function in atopy and hyperimmunoglobulinemia E (human)
- N01AI-42547-00 Production of anti-human IgE reference reagents

PLANTS, RHIZOMES*

- R01FD-00683-01 Biosynthesis, toxicology and control of potato toxicants

PLANTS, SEEDS*

- R01AI-08143-06 Carbon-13 labeled substrates in biosynthetic studies (plants)
- R01GM-21165-01 Analysis of lectins in tropical rainforest plants

PLANTS, TRADESCANTIA*

- R01CA-08231-10 0005 Radiobiology research program - Model for origin of somatic mutations in Tradescantia
- ** P01CA-12536-04 0006 Effects of small doses of ionizing radiation - Aberrations, mutations and lethality in Tradescantia

PLANTS, VEGETABLES GENERAL*

- ** P01CA-06927-12 0011 Biological and biochemical program in cancer research - Genetic information for tumor forming capacity (plants)
- R01CA-09599-16 0002 Histochemical and quantitative studies of neoplasia - Induction of polycyclic hydrocarbon hydroxylase and carcinogenesis (mice)
- P01ES-00735-01 0001 Public health hazards and environmental fate of parathion - Occupational hazards (agriculture)
- P01ES-00735-01 0002 Public health hazards and environmental fate of parathion - Penetration, uptake and degradation products (fruits, vegetables)
- P01ES-00735-01 0003 Public health hazards and environmental fate of parathion - Deposit and drift (air, soil, plants, insects, human)
- R01EY-01060-04 Cataract from a vegetable protein-based diet (rats)
- ** R01FD-00282-04 Nitrate and nitrite accumulation in vegetables (spinach)
- ** R01FD-00683-01 Biosynthesis, toxicology and control of potato toxicants
- ** R01HD-08288-01 Assay of potato tuber metabolites (fungi, marmosets, rodents, swine)
- R01HD-08554-01 Teratogenicity of cytochalasins and plant metabolites
- R01LM-02054-01 History of the medicinal uses of vegetable gums
- R01OH-00360-04 Immune injury in occupational respiratory diseases (rabbits, mice)

PLANTS, VEGETABLES, CABBAGE*

- R01CA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice)

PLANTS, VEGETABLES, SPINACH*

- R01AI-04788-12 Lipids of algae and microorganisms
- R01CA-09599-16 0003 Histochemical and quantitative studies of neoplasia - Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice)
- R01FD-00282-04 Nitrate and nitrite accumulation in vegetables (spinach)
- R01GM-14479-08 Membrane-associated phosphorylation (spinach)
- R01GM-19972-05 Biochemistry of membrane and catalytic proteins (bacteria, plants)

PLANTS, VEGETABLES, YAM*

- P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
- R01FD-00685-01 Furanoterpenoids in sweet potato-ethylene mediation

PLANTS BACTERIA

SEE BACTERIA, PLANT BACTERIA (GENERAL)*

PLANTS DISEASES

SEE ALSO BACTERIA, PLANT BACTERIA (GENERAL)*

- R01AI-00225-22 Mechanism of action and metabolism of fungicides
- R01AI-00924-19 Biology of Haemosporidia and Trypanosomidae (birds, insects, plants)
- R01AI-04930-12 Biochemistry of infections - Cell wall degradation
- R01AI-08426-18 Metabolism of phytopathogenic bacteria
- R01AI-09477-06 Biochemistry of plant resistance to pseudomonads
- R01FD-00683-01 Biosynthesis, toxicology and control of potato toxicants
- ** R01HD-08288-01 Assay of potato tuber metabolites (fungi, marmosets, rodents, swine)

PLANTS EXTRACTS

SEE ALSO NATURAL PRODUCTS

SEE ALSO TOXICOLOGY, PLANT POISONS

- R01AI-05669-11 Complex molecular synthesis (cockroach, plants)
- R01AI-10187-04 Studies on antihormones (insects, plants)
- R01AI-11233-02 Antibiotics from pyrenomyces
- R01AI-11903-02 Development of a type B phytohemagglutinin (legumes)
- R01AM-04874-13 Chemical-microbiological syntheses of hormones
- R01AM-05165-13 Lipids in microorganisms and plants
- P01CA-08748-09 5407 Research program of Sloan-Kettering Institute - Effect of natural products on cancer growth (mice)
- ** R01CA-11715-03 Isolation and synthesis of potential tumor inhibitors (plants)
- ** R01CA-12317-03 Antitumor agents from plants (mice, rats)
- ** R01CA-12359-03 Tree sap extracts for cancer chemotherapy screening
- ** R01CA-12831-03 Plant tumor inhibitors
- ** R01CA-15230-01 Antineoplastic principles (mice)
- ** R01CA-15590-01 Antitumor agents from West African plants
- N01CM-12099-07 Extraction of tumor inhibitors
- ** N01CM-22078-04 Develop active antitumor agents from natural sources
- ** N01CM-33733-01 Bioautographic studies of cytotoxic samples from plants (mammals)
- N01CM-33747-02 Collection of indigenous and exotic plants
- ** N01CM-33750-01 Collection, fractionation and purification of plant extracts
- ** N01CM-43707-00 Preparation of plant extracts
- ** N01CM-70747-10 Preparation of plant extracts
- ** N01CP-33266-02 Investigation of potential carcinogens from plants
- ** N01DA-00109-09 Production of Cannabis sativa L
- N01DA-10015-02 Long-term effects of marijuana in chimpanzees
- N01DA-10089-03 Determine effects of natural and synthetic marijuana in humans
- R01GM-18143-04 Sesquiterpene biogenesis (plants)
- R01GM-20196-02 Farnesyl pyrophosphate coupling
- R01GM-20443-02 Construction of biologically important lactones (plants)
- ** R01HD-07243-02 Plant factors stimulating mammalian reproduction (voles)
- ** N01MH-81339-16 Production of cannabis derivatives
- M01RR-00645-03 0010 Clinical research center - Forms of iatrogenic hypertension (human)
- S06RR-08060-03 Porphyrins, carcinogenic agents and air pollution (South Carolina State College)

PLANTS EXTRACTS, BETELNUT EXTRACTS

- ** N01DE-71475-10 Study of betel quid carcinogenesis (baboons)

PLANTS EXTRACTS, LIGNANS

- ** R01GM-19566-06 Synthesis of lignans and related products

PLANTS EXTRACTS, MEDICINAL PLANTS

SEE ALSO ALKALOIDS

SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION

SEE ALSO CARBOHYDRATES, GLYCOSIDES

SEE ALSO NAPHTHALENES, METHYLENEDIOXY, PODOPHYLLIN

SEE ALSO TERPENES

- R01AI-00226-23 Problems related to biologically active products
- ** R01AI-09846-05 New antibiotics isolation, synthesis and evaluation (plants, bacteria, fungi)
- ** R01AM-05165-13 Lipids in microorganisms and plants
- ** R01CA-11445-06 Benzylisoquinoline alkaloid studies
- R01CA-11450-04 A search for anti-cancer drugs (plants)
- ** R01CA-11507-05 Chemical study of plants of pharmacological interest
- R01CA-11760-04 Ex-ray determinations of structure of tumor inhibitors (plants)
- R01CA-12059-05 Chemistry of biologically active natural products (plants)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PLA**
- ** R01CA-13001-02 Characterization of anti-tumor principles from plants
 - ** R01CA-13121-16 Studies in phytochemistry (compositae)
 - ** R01CA-13268-03 A search for tumor inhibitors from *Sarracenia* (angiosperms)
 - R01CA-13648-02 Antitumor agents from natural sources (plants, mammals)
 - ** R01CA-15408-01 Report on current plant remedies of Middle America
 - N01CM-60494-17 Screening of synthetic materials
 - R01DA-00014-15 Studies on opium and the opium poppy
 - ** R01GM-13246-17 Metabolism of natural products of medicinal interest (plants)
 - R01GM-19220-03 Biosynthesis of anti-leukemic Cephalotaxus alkaloids (yews)
 - R01GM-19882-09 Biosynthesis of sterols in digitalis plants
 - R01GM-20443-02 Construction of biologically important lactones (plants)
 - R01HL-12971-12 Reactions of alkaloids and their analogs
 - ** R01LM-02054-01 History of the medicinal uses of vegetable gums
 - R01MH-22012-03 Field research in cognitive anthropology (Paru)
 - R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)

PLANTS EXTRACTS, TANNINS

- R01CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)

PLANTS FUNGI

SEE FUNGI, PLANT FUNGI (GENERAL)*

PLANTS GALLS

- ** R01CA-13808-02 Transformation and recovery of crown gall tumor cells

PLANTS GALLS, CROWN GALL

SEE ALSO BACTERIA, RHIZOBIACEAE, AGROBACTERIUM TUMEFACIENS*

- R01CA-11526-05 The tumor-inducing substance of *Agrobacterium tumefaciens*
- ** R01CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
- ** R01CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)
- R01CA-14516-02 Genetics and biochemistry of tumor induction (bacteria, plants)
- ** R01CA-14674-02 Involvement of bacterial RNA polymerase in crown gall (broad bean)
- R01CA-15917-01 Nitrogen metabolism and plant neoplastic state

PLANTS GROWTH REGULATORS

SEE ALSO PROTEINS, LECTINS

- R01AM-03787-15 Steroid and terpenoid synthesis
- ** P01CA-06927-12 0011 Biological and biochemical program in cancer research - Genetic information for tumor forming capacity (plants)
- R01CA-11572-05 Structural and biological studies of natural products (plants, animals)
- R01GM-05365-17 Biological investigations with isotopes
- ** R01GM-19390-03 Biochemistry of a response system of *Phycomyces*
- R01GM-21350-01 Steroids and other biologically active substances in plants (fungi, ferns)
- R01HD-00850-17 Sexual hormones of *Achlya bisexualis*
- P01HL-08214-11 0030 Chemical and biological properties of lipids - Biosynthesis of unusual fatty acids by plants and microorganisms
- P07RR-00273-09 0021 Mass spectrometric facility for biomedical research - Solid state conformation of methyl abscisate

PLANTS GROWTH REGULATORS, AUXINS

SEE ALSO BENZOPYRROLE CARBOXYLIC ACIDS, INDOLEACETIC ACIDS

SEE ALSO PHENOXYACETIC ACIDS, 2,4-D

- R01CA-11624-05 RNA metabolism in development and hormonal regulation (soybean, pea)
- R01CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)
- R01CA-15917-01 Nitrogen metabolism and plant neoplastic state

PLANTS GROWTH REGULATORS, CYTOKININS

- P01CA-13038-03 0035 Experimental therapeutics and cancer drug program - Synthesis of substituted urea glycosides
- R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
- ** R01GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- P01HL-09011-11 0011 A research and resource program in blood - Studies of tRNA methylating enzymes (cattle, chickens)
- M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)
- M01RR-00262-09 0046 General clinical research center - N⁶-benzyladenosine in chemotherapy (human)

PLANTS GROWTH REGULATORS, GIBBERELLINS

SEE ALSO FLUORENES, GIBBERELIC ACID

SEE ALSO TERPENES, KAURENE TYPE

SEE ALSO VITAMIN E

- ** R01GM-07065-14 Biosynthesis of isoprenoid hormones (plants)
- R01GM-19807-02 0012 Membrane permeability as a regulatory element - Respiratory development and depression (plants)
- ** R01HD-06851-02 Regulation of leaf senescence by plant hormones

PLANTS NEOPLASMS

SEE ALSO BACTERIA, RHIZOBIACEAE, AGROBACTERIUM TUMEFACIENS*

SEE ALSO PLANTS GALLS

- ** P01CA-06927-12 0011 Biological and biochemical program in cancer research - Genetic information for tumor forming capacity (plants)
- R01CA-13808-02 Transformation and recovery of crown gall tumor cells
- R01CA-15917-01 Nitrogen metabolism and plant neoplastic state
- P01HD-03015-08 0017 Program for developmental biology - Tryptophan metabolism and control in higher plants (*Euglena*, tobacco)

PLANTS VIRUSES

SEE VIRUSES OF PLANTS

PLAQUE

SEE DENTAL DEPOSITS, PLAQUE

PLAQUE ASSAY TECHNIQUES

SEE BIOASSAY, PLAQUE ASSAY TECHNIQUES

PLASMA

SEE BLOOD AND RE SYSTEM, BLOOD, PLASMA

PLASMA AMINO ACIDS

SEE AMINO ACIDS, SERUM AMINO ACIDS

PLASMA CELL LEUKEMIA

SEE BLOOD AND RE NEOPLASMS, LEUKEMIA PLASMACYTIC

PLASMA CELL NEOPLASMS

SEE BLOOD AND RE NEOPLASMS, PLASMA CELL NEOPLASMS

PLASMA CELLS

SEE BLOOD AND RE SYSTEM, PLASMA CELLS

PLASMA KININ

SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN

PLASMA LIPIDS

SEE LIPIDS BLOOD

PLASMA LIPOPROTEINS

SEE LIPOPROTEINS BLOOD

PLASMA MEMBRANE

SEE CELL COMPONENTS, CELL MEMBRANE

PLASMA PROTEINS

SEE BLOOD PROTEINS

PLASMA SUBSTITUTES

SEE BLOOD SUBSTITUTES, PLASMA SUBSTITUTES

PLASMA THROMBOPLASTIN ANTECEDENT

SEE BLOOD COAGULATION, FACTOR XI

PLASMA THROMBOPLASTIN COMPONENT

SEE BLOOD COAGULATION, FACTOR IX

PLASMA THROMBOPLASTINOGEN

SEE BLOOD COAGULATION, FACTOR VIII

PLASMA THROMBOPLASTINOGEN B

SEE BLOOD COAGULATION, FACTOR IX

PLASMACYTES

SEE BLOOD AND RE SYSTEM, PLASMA CELLS

PLASMACYTIC LEUKEMIA

SEE BLOOD AND RE NEOPLASMS, LEUKEMIA PLASMACYTIC

PLASMALEMMA

SEE CELL COMPONENTS, CELL MEMBRANE

PLASMALOGENS

SEE PHOSPHOLIPIDS, PHOSPHOLYCERIDES, PLASMALOGENS

PLASMAPHERESIS

SEE BLOOD TREATMENT, PLASMAPHERESIS

PLASMIDS

SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, EPISOMES

PLASMIN

SEE BLOOD COAGULATION, PLASMIN

PLASMIN INHIBITORS

SEE BLOOD COAGULATION, ANTIFIBRINOLYTIC AGENTS

PLASMINOGEN

SEE BLOOD COAGULATION, PLASMINOGEN

PLASMINOGEN PROACTIVATOR ACTIVATORS

SEE BLOOD COAGULATION, LYSOXIMASE

PLASMODIUM

SEE PROTOZOA, SPOROZOA, PLASMODIUM

PLASMODIUM (SLIME MOLDS)

SEE FUNGI, SLIME MOLDS*

PLASMODIUM BERGHIEI

SEE PROTOZOA, SPOROZOA, PLASMODIUM BERGHIEI

PLASMODIUM FALCIPARUM

SEE PROTOZOA, SPOROZOA, PLASMODIUM FALCIPARUM

PLASMODIUM GALLINACEUM

SEE PROTOZOA, SPOROZOA, PLASMODIUM GALLINACEUM

PLASMODIUM KNOWLESI

SEE PROTOZOA, SPOROZOA, PLASMODIUM KNOWLESI

PLASMODIUM LOPHURAE

SEE PROTOZOA, SPOROZOA, PLASMODIUM LOPHURAE

PLASMODIUM VINCKEI

SEE PROTOZOA, SPOROZOA, PLASMODIUM VINCKEI

PLASTIC LENSES, CORRECTIVE

SEE EYE DISORDERS, OPTICAL AIDS

PLASTIC SURGERY

SEE SURGERY, PLASTIC

PLASTICS

SEE ALSO PROSTHESIS

- R01AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, dogs, human)
 - R01CA-10712-07 Foreign body tumorigenesis (mice)
 - P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
 - R01DE-02944-06 Structure and toxicogenic activities of dental compounds (mice)
 - P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
 - P01EY-00446-06 0016 External ocular disease center - Soft contact lenses and epikeratoprosthesis
 - R01EY-00892-02 Dynamic fracture studies of ophthalmic lenses
 - P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
 - P11GM-15956-07 0046 Factors affecting the responses to drugs - Plasma protein binding of drugs in uremic patients (also rats)
 - P01GM-16436-06 0037 Bioengineering program project - Synthetic biomaterials
 - ** R01GM-18395-03 Structure and properties of swelling implants
 - R01GM-18805-03 Wound healing vs tissue regeneration (rabbit)
 - ** R01GM-19853-01 Metabolism of common plasticizers
 - N01HB-22969-02 Toxicology of plastic devices having contact with blood (monkeys, human)
 - ** N01HB-22990-02 Toxicology of plastics having contact with blood
 - ** N01HB-22991-02 Toxicology of plastics having contact with blood (dogs)
 - ** N01HB-32908-02 Toxicology of plastic devices having contact with blood (human, animals)
 - ** N01HB-32936-04 Accumulation, toxicity and metabolism of common plasticizers in humans
 - R01HL-07449-12 0002 Formation and survival of rod cells - Red cell preservation in artificial media and in alkaline CDP (human, rabbits)
 - R01HL-13999-02 Integrated heart valve implant investigation (dogs, human)
 - R01HL-14733-02 Artificial heart and related problems (cattle)
 - R01HL-14786-03 Polyurethane ionomers for biomedical applications (dogs)
 - R01HL-15781-02 Guided vascular obliteration of CNS vascular lesions (human)
 - R01NS-09349-04 Intravascular magnetic techniques and the nervous system (human, mammals)
- PLASTICS, ACRYLIC POLYMERS**
- ** R01AM-15240-01 Improvements in the use of acrylic cement
 - P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 - R01DE-03860-01 Maxillofacial materials
 - R01OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)
- PLASTICS, ACRYLIC POLYMERS, METHACRYLATES**
- ** R01AM-16067-03 Hydrophilic methacrylates as self-locking implants (dogs, rabbits)
 - P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 - R01HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)
 - ** R01OH-00518-01 Gastric response to inhaled methyl methacrylate vapor (rats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PLASTICS, ELASTOMERS

SEE ALSO PLASTICS, RUBBER

SEE ALSO PLASTICS, SILICONE RUBBER

- R01DE-03860-01 Maxillofacial materials
 R01GM-19664-01 Glass-elastomer composite biomaterials
 ** N01HB-32949-02 Modification of silicon elastomers for medical devices
 R01HL-13488-03 Prolonged left heart bypass without anticoagulation (dogs)

PLASTICS, FLUOROCARBON POLYMERS

- R01AM-15564-03 0005 Secretion and hormonal integration of exocrine organs - ion and water transport in mucosa (frogs, mammals)
 R01DE-03480-03 Capillary phenomena related to caries sites
 P01GM-20309-02 0003 Acute trauma study center - Construction and evaluation of new vein substitute TFE (dogs, human)
 R01HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
 R01HL-13999-02 Integrated heart valve implant investigation (dogs, human)
 R01NS-10867-01 Construction of a larynx with allotissue (monkeys)
 M01RR-00287-08 0023 General clinical research center - Trace metals and enzymes in healing wounds (human)

PLASTICS, NYLON

- P02CA-05834-13 0054 Cancer clinical research center - Improving granulocyte collection techniques (human)
 P01HD-05996-03 0002 Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
 M01HV-12047-09 Fabrication of artificial heart devices

PLASTICS, POLYETHYLENES

- R01AM-14964-03 Development of salvage prosthesis for the knee joint (human)
 P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 R01AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
 R23DE-03892-01 Fracture toughness of bone-prosthetic material composites
 R01GM-12307-10 Specific counterion binding by polyelectrolytes
 P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
 P01HD-05671-03 0004 Center for population research - Antifertility effect of interuterine devices (human)

PLASTICS, POLYETHYLENE TEREPHTHALATES

- N01AM-12505-04 Development of avcothane cannulas (goats)
 N01AM-2222-02 New concepts in blood access devices (sheep)
 ** P01ES-00454-06 0008 Biological effects of environmental agents - Phthalate ester plasticizers (human, laboratory animals)
 P01GM-16436-06 0037 Biocengineering program project - Synthetic biomaterials
 P01HL-13737-04 0002 Assisted circulation - U-shaped ventricle (dogs)
 R01HL-13999-02 Integrated heart valve implant investigation (dogs, human)
 P17HL-14217-04 0030 Specialized center of research in thrombosis - Pseudointima in canine dacron aortic prostheses (also human)
 ** P17HL-14217-04 0038 Specialized center of research in thrombosis - Dacron tubing for artery replacement (human)
 R01HL-14294-03 Thermal effects at biomaterials interfaces (dogs)
 P01HL-14322-03 0005 Interdisciplinary program in biomaterials science - Methods to accelerate biologic interface development
 M01HV-12065-09 Fabrication of implantable artificial heart devices

PLASTICS, POLYURETHANES

- N01HB-32959-02 Development of biomaterials
 R01HL-12650-06 Environmental pathobiology of the lung (rodents)
 P01HL-13738-03 0007 Cardiac assist devices and artificial hearts - Fabrication and mechanical testing of devices made from the copolyurethanes
 R01HL-14733-02 Artificial heart and related problems (cattle)
 ** R01HL-14786-03 Polyurethane ionomers for biomedical applications (dogs)
 M01RR-00037-14 0139 General clinical research center - Porous polyurethane for peritoneal dialysis catheters (human)

PLASTICS, POLYVINYL

- SEE ALSO PLASTICS, POLYETHYLENES
 SEE ALSO PLASTICS, PVP
 SEE ALSO PLASTICS, STYRENE POLYMERS
 ** N01AM-12505-04 Development of avcothane cannulas (goats)

- P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
 R01GM-16133-07 0001 Immobilized enzymes to analyze and alter metabolism - Glucose enzyme electrode
 R01GM-16231-06 Cationic cyclizations at vinylic termini
 P01HL-06350-13 0007 Hemostasis research program project - Platelet function (human)
 P01HL-14322-03 0001 Interdisciplinary program in biomaterials science - Thrombo-resistant biomaterials
 R01HL-15319-02 Genetic factors in experimental hypertension (rats)

PLASTICS, PVP

- R01AJ-06112-11 The behavior of cell suspensions in vitro and in vivo (rabbits, sheep)
 R01AM-15541-03 Glomerular permeability in renal disease (human, rabbits)
 P01ES-00226-08 0004 Comparative environmental toxicology - Interaction of carrageenan with other agents (rodents, rabbits, dogs, primates)
 ** M01RR-00036-14 0088 General clinical research center - Glomerular permeability to PVP in nephrotic syndrome, glomerulonephritis (human)

PLASTICS, RUBBER

- N01AM-2222-02 New concepts in blood access devices (sheep)
 ** R26CA-15950-01 Case-control bladder tumor morbidity study (human)
 P01HL-13738-03 0002 Cardiac assist devices and artificial hearts - Total replacement with artificial heart (calves sheep)

PLASTICS, SILICONE RUBBER

- R01CA-14303-02 Ferromagnetic silicone vascular occlusion in neoplasms (dogs, human)
 R01GM-16133-07 0001 Immobilized enzymes to analyze and alter metabolism - Glucose enzyme electrode
 P01HD-05671-03 0006 Center for population research - Contraceptive silastic devices (rats, monkeys)
 P01HD-05671-03 0008 Center for population research - Depot concepts of administering steroid contraceptives (human)
 P01HD-05671-03 0039 Center for population research - Diffusion of steroids from silastic devices (rats)
 N01HD-12237-03 Device and technique for blocking the fallopian tubes (rabbits, monkeys)
 P01HL-06350-13 0007 Hemostasis research program project - Platelet function (human)
 P01HL-13738-03 0002 Cardiac assist devices and artificial hearts - Total replacement with artificial heart (calves sheep)
 R01HL-13999-02 Integrated heart valve implant investigation (dogs, human)
 P01HL-14322-03 0001 Interdisciplinary program in biomaterials science - Thrombo-resistant biomaterials
 P01HL-14322-03 0011 Interdisciplinary program in biomaterials science - Blood oxygenation synthetic membranes and liquid-liquid surfaces (sheep)
 R01HL-14733-02 Artificial heart and related problems (cattle)
 R01HL-15781-02 Guided vascular obliteration of CNS vascular lesions (human)
 R01HL-16154-01 Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human)
 R01NS-10867-01 Construction of a larynx with allotissue (monkeys)

PLASTICS, STYRENE POLYMERS

- SEE ALSO AMMONIUM QUATERNARY, CHOLESTYRAMINE
 R01CA-12928-03 Epoxide hydrazide-Drug toxicity and carcinogenicity (guinea pigs, rats)
 R01GM-12307-10 Specific counterion binding by polyelectrolytes
 R01HL-09415-10 Rheology and phase transitions in model dispersions
 R01HL-15787-02 Hemodynamics at branchpoints studied with ultrasound (swine, dogs)

PLASTIDS

SEE CELL COMPONENTS, PLASTIDS

PLATELET ACTIVATING FACTOR

SEE BLOOD PLATELETS, PLATELET ACTIVATING FACTOR

PLATELET AGGREGATION

SEE BLOOD PLATELETS, PLATELET AGGREGATION

PLATELET AGGREGATION INHIBITORS

SEE BLOOD COAGULATION, ANTICOAGULANTS, PLATELET AGGREGATION INHIBITORS

PLATELET COFACTOR I

SEE BLOOD COAGULATION, FACTOR VIII

PLATELET FACTOR III

SEE BLOOD COAGULATION, PLATELET FACTOR III

PLATELET PRESERVATION

SEE BLOOD PRESERVATION, PLATELET PRESERVATION

PLATELET TRANSFUSION

SEE BLOOD TRANSFUSION, PLATELET TRANSFUSION

PLATINUM (COMPOUNDS)

SEE METALS, HEAVY METALS, PLATINUM

PLATINUM, RADIOLABELED

SEE RADIOLABELED PLATINUM*

PLAY THERAPY

SEE PSYCHOTHERAPY, PLAY THERAPY

PLEASURE (EMOTIONS)

SEE PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)

PLEIOTROPISM

SEE GENETICS, GENES, GENE EXPRESSION, PLEIOTROPISM

PLETHORA

SEE CARDIOVASCULAR DISORDERS, HYPERVOLEMIA

PLETHYSMOGRAPHY

SEE CARDIOVASCULAR METHODS DIAGNOSTIC, PLETHYSMOGRAPHY*

PLEURAL CAVITY

SEE BODY CAVITIES, PLEURAL CAVITY

PLEURAL DISORDERS

SEE BODY CAVITY DISORDERS, PLEURAL

PLEURAL EFFUSIONS

SEE BODY CAVITY DISORDERS, PLEURAL EFFUSIONS

PLEURITIS (PERIODIC HEREDITARY)

SEE METABOLIC DISORDERS INBORN, FAMILIAL MEDITERRANEAN FEVER

PLEUROPNEUMONIA-LIKE ORGANISMS

SEE BACTERIA, MYCOPLASMALES, MYCOPLASMA*

PLUMBISM

SEE METALS POISONING, LEAD POISONING

PLURONIC

SEE PHYSICAL PROPERTIES, SURFACTANTS, POLOXALENE

PLUTONIUM

SEE RADIOISOTOPES, ACTINIDE SERIES, PLUTONIUM

PMA (PHORBOL MYRISTATE)

SEE LIPIDS, OILS, CROTON OIL

PNEUMOANEMOMETER

SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*

PNEUMOCARDIOGRAPHY

SEE HEART EXAMINATIONS, PNEUMOCARDIOGRAPHY*

PNEUMOCOCCAL VACCINE

SEE VACCINES, BACTERIAL, PNEUMOCOCCAL VACCINE

PNEUMOCOCCUS

SEE BACTERIA, LACTOBACILLACEAE, DIPLOCOCCUS PNEUMONIAE*

PNEUMOCONIOSIS

SEE RESPIRATORY DISORDERS, PNEUMOCONIOSIS

PNEUMOCYSTIS PNEUMONITIS

SEE RESPIRATORY DISORDERS, PNEUMONIA PNEUMOCYSTIS

PNEUMOENCEPHALITIS VIRUS AVIAN

SEE VIRUSES, MYXOVIRUSES, NEWCASTLE DISEASE VIRUS

PNEUMOGRAPH

SEE RESPIRATORY EXAMINATIONS, PNEUMOGRAPH*

PNEUMONECTOMY

SEE RESPIRATORY SYSTEM SURGERY, PNEUMONECTOMY

PNEUMONIA

SEE RESPIRATORY DISORDERS, PNEUMONIA

PNEUMONIA ATYPICAL (PPLO)

SEE RESPIRATORY DISORDERS, PNEUMONIA MYCOPLASMAL (PPLO)

PNEUMONIA BACTERIAL

SEE RESPIRATORY DISORDERS, PNEUMONIA BACTERIAL

PNEUMONIA PNEUMOCYSTIS

SEE RESPIRATORY DISORDERS, PNEUMONIA PNEUMOCYSTIS

PNEUMONIA VIRAL

SEE RESPIRATORY DISORDERS, PNEUMONIA VIRAL

PNEUMONITIS VIRUS OF NEWBORN

SEE VIRUSES, MYXOVIRUSES, PARAINFLUENZA 1 VIRUSES

PNEUMOTACHOGRAPHY, HEART

SEE HEART EXAMINATIONS, PNEUMOCARDIOGRAPHY*

PNEUMOTACHOGRAPHY, RESPIRATORY

SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*

PODOPHYLLIN

SEE NAPHTHALENES, METHYLENEDIOXY-, PODOPHYLLIN

POIKILOTHERMS

SEE TEMPERATURE (BODY), POIKILOTHERMS

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

POINT MUTATION
SEE GENETICS, MUTATION, GENE MUTATION, POINT MUTATION

POISONING
SEE TOXICOLOGY, POISONING

POISONING FROM METHANOL
SEE ALCOHOLISM - DRINKING, METHANOL POISONING

POISONOUS FISH
SEE TOXICOLOGY, FISH POISONS

POLAND
SEE GEOGRAPHICAL SITES, EUROPE EASTERN, POLAND

POLAR MOLECULES
SEE MOLECULAR POLARITY

POLARIMETRY
SEE OPTICAL ROTATION*

POLARIZATION OPTICS
SEE OPTICAL POLARIZATION*

POLAROGRAPHY
SEE ELECTRICAL MEASUREMENTS, POLAROGRAPHY*

POLICE
SEE SOCIAL CONTROL PERSONNEL, POLICE

POLIOMYELITIS LIVE VACCINE
SEE VACCINES, LIVE
SEE VACCINES, VIRAL, POLIOMYELITIS VACCINE

POLIOMYELITIS VACCINE
SEE VACCINES, VIRAL, POLIOMYELITIS VACCINE

POLIOMYELITIS VIRUS
SEE VIRUSES, PICORNAVIRUSES, POLIOMYELITIS VIRUS

POLITICS
SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, POLITICS

POLLEN
SEE HYPERSENSITIVITY, ALLERGENS AIRBORNE, POLLENS

POLLUTANTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), POLLUTANTS INTERACTION

POLLUTION (GENERAL)
SEE AIR POLLUTION
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)
SEE SOIL POLLUTION
SEE WATER POLLUTION

POLLUTION CONTROL
SEE ENVIRONMENTAL HEALTH, SANITATION AND CONTROL (GENERAL)

POLONIUM
SEE RADIOISOTOPES, POLONIUM

POLOXALENE
SEE PHYSICAL PROPERTIES, SURFACTANTS, POLOXALENE

POLY I:C
SEE NUCLEIC ACIDS, POLY I:C

POLYACETYLENES
SEE ALKYNES

POLYADENYLIC ACID
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, POLYADENYLIC ACID

POLYAMINES
SEE AMINES, POLYAMINES

POLYANIONS
SEE IONS, POLYIONS, POLYANIONS

POLYARTERITIS NODOSA
SEE CARDIOVASCULAR DISORDERS, ARTERITIS, PERIARTERITIS NODOSA

POLYARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, POLYARTHRITIS

POLYASPARTIC ACID
SEE PEPTIDES, HOMOEPTIDES, ASPARTYL

POLYCATIONS
SEE IONS, POLYIONS, POLYCATIONS

POLYCHLORINATED BIPHENYLS
SEE HALOBENZENES, PCB AND PCT

POLYCHLORINATED TRIPHENYLS
SEE HALOBENZENES, PCB AND PCT

POLYCYCLIC HETEROCYCLIC COMPOUNDS
SEE CYCLICS, POLYCYCLIC HETEROCYCLICS (SEE ALSO SPECIFICS)

POLYCYCLIC HYDROCARBONS
SEE CYCLICS, CARBOPOLYCYCLICS

POLYCYSTIC KIDNEY
SEE CONGENITAL ABNORMALITIES, KIDNEY, POLYCYSTIC

POLYCYSTIC OVARY
SEE REPRODUCTIVE SYSTEM DISORDERS FEMALE, POLYCYSTIC OVARY

POLYCYTHEMIA
SEE BLOOD AND RE DISORDERS, BONE MARROW, MYELOPROLIFERATIVE, POLYCYTHEMIA

POLYCYTHEMIA VERA
SEE BLOOD AND RE DISORDERS, BONE MARROW, MYELOPROLIFERATIVE, POLYCYTHEMIA VERA

POLYDACTYLY
SEE CONGENITAL ABNORMALITIES, SKELETAL, POLYDACTYLY

POLYELECTROLYTES
SEE IONS, ELECTROLYTES, POLYELECTROLYTES

POLYENES
SEE CHEMICAL BONDS, UNSATURATED COMPOUNDS, POLYENES

POLYETHYLENE TEREPHTHALATES
SEE PLASTICS, POLYETHYLENE TEREPHTHALATES

POLYETHYLENES
SEE PLASTICS, POLYETHYLENES

POLYFUNCTIONAL CATALYSTS
SEE CHEMICAL REACTIONS, CATALYSTS, POLYFUNCTIONAL

POLYGLUTAMIC ACID
SEE PEPTIDES, HOMOEPTIDES, GLUTAMYL

POLYGRAPHY
SEE ALSO ELECTRICAL MEASUREMENTS, GALVANIC SKIN RESPONSE
N01HD-22778-03 Developmental phenomena and the occurrence of SIDS (human)
N01HD-42810-00 Developmental phenomena and the occurrence of SIDS (human)
** R01HL-13608-05 Comprehensive polygraphic screening for heart disease
** R01MH-05286-12 0013 Psychophysiology of perception - Polygraphic and behavioral study of sleep (pigeons)
P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)
R01MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)
P01NS-04953-12 0012 Epilepsy - Electroencephalography (human)

POLYHEDRAL VIRUS
SEE VIRUSES OF INSECTS, POLYHEDRAL VIRUS

POLYHYDROXY COMPOUNDS
SEE HYDROXY COMPOUNDS, POLYHYDROXY COMPOUNDS

POLYINOSINIC:POLYCYTTIDYLIC ACID
SEE NUCLEIC ACIDS, POLY I:C

POLYIONS
SEE IONS, POLYIONS

POLYLYSINE
SEE PEPTIDES, HOMOEPTIDES, LYSINE PEPTIDES

POLYMERASES
SEE LIGASES

POLYMERIZATION
SEE MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION

POLYMERS
SEE MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)

POLYMERS REPLICATION
SEE MOLECULAR CONDENSATIONS, POLYMERS REPLICATION

POLYMORPHISM (BIOLOGY)
SEE BIOLOGY, POLYMORPHISM

POLYMORPHISM, SEXUAL (CELLULAR - EXCEPT MICROBIAL CELLS)
SEE CELL PARASEXUALITY

POLYMPHONUCLEAR LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

POLYMYOSITIS
SEE MUSCULAR DISORDERS, MYOSITIS, POLYMYOSITIS

POLYMYXIN B
SEE ANTIBIOTICS, POLYMYXIN B

POLYMYXIN E
SEE ANTIBIOTICS, COLISTIN

POLYNESIANS
SEE SOCIAL GROUPS, ETHNIC, POLYNESIANS

POLYNEURITIS
SEE NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS

POLYNEURITIS ACUTE IDIOPATHIC
SEE NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS ACUTE IDIOPATHIC

POLYNEUROPATHY PROGRESSIVE FAMILIAL
SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY

POLYNUCLEOTIDE LIGASE
SEE NUCLEIC ACIDS REPAIR, DNA REPAIR (ENZYME)

POLYNUCLEOTIDE LIGASE (NAD)
SEE NUCLEIC ACIDS REPAIR, DNA REPAIR (ENZYME)

POLYNUCLEOTIDE NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, POLYNUCLEOTIDE NUCLEOTIDYLTRANSFERASE

POLYNUCLEOTIDE PHOSPHORYLASE
SEE NUCLEOTIDYLTRANSFERASES, POLYNUCLEOTIDE NUCLEOTIDYLTRANSFERASE

POLYNUCLEOTIDE SYNTHETASE (ATP)
SEE NUCLEIC ACIDS REPAIR, DNA REPAIR (ENZYME)

POLYNUCLEOTIDE SYNTHETASE (NAD)
SEE NUCLEIC ACIDS REPAIR, DNA REPAIR (ENZYME)

POLYNUCLEOTIDES
SEE NUCLEOTIDES, POLYNUCLEOTIDES

POLYOL DEHYDROGENASE
SEE OXIDOREDUCTASES, SORBITOL DEHYDROGENASE

POLYOMA VIRUS
SEE VIRUSES, PPAPOVAVIRUSES, POLYOMA VIRUS

POLYOSTOTIC FIBROUS DYSPLASIA
SEE SKELETAL DISORDERS, OSTEITIS FIBROSA DISSEMINATA

POLYPEPTIDES
SEE PEPTIDES, POLYPEPTIDES

POLYPEPTIDES FIBERS
SEE PEPTIDES, POLYPEPTIDES FIBERS

POLYPHENOL OXIDASE
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE

POLYPHENOLS
SEE PHENOLS, POLYPHENOLS

POLYPHOSPHATASE
SEE PHOSPHATASES, POLYPHOSPHATASE

POLYPHOSPHATES
SEE PHOSPHATES, POLYPHOSPHATES

POLYSACCHARIDE C-O LYASES, HEPARINASE
R01AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
R01HL-02254-19 Blood coagulation and hemorrhagic disease (human, animals)
P17HL-14228-04 0003 Specialized center of research in thrombosis - Rejection in transplantation model (dogs)

POLYSACCHARIDES
SEE ALSO CARBOHYDRATES, SUGAR SEQUENCE
R01AI-04930-12 Biochemistry of infections-Cell wall degradation
R01AI-05100-12 Respiratory infection and respiratory pathogens of man
R01AI-06610-10 Receptor function in lymphocyte differentiation (mice)
** R01AI-08504-06 Polysaccharides of Pseudomonas aeruginosa (human, mice, rabbits)
R01AI-10236-04 Classification of N meningitidis group C subgroups (rabbits)
** R01AI-11333-02 Characterization of the properdin system (human)
** N01AI-12502-04 Meningococcal polysaccharide vaccine
** R01AI-12561-01 Immunochemical studies on fungal polysaccharides
N01AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
N01AI-22506-03 Clinical evaluation of bacterial polysaccharide vaccines
R01AM-03846-15 Structure and function in liver injury (human, rats)
P01AM-05996-13 0027 Biochemistry of connective tissues - Diagnosis of atrial myxomas (human)
R01AM-07343-11 Characterization of cartilage proteinpolysaccharides (human, cattle, rabbits)
R01AM-10171-09 Protein-carbohydrate interaction (rabbits, mice)
** R01AM-10588-09 Synthesis of compound saccharides
R01AM-11821-06 Glycoproteins of the intercellular matrix (human, rats, cattle)
R01AM-11923-07 Regulation of galactose metabolism (E coli, rabbits)
** R01AM-13230-06 Biosynthesis of complex polysaccharides (bacteria, fungi, animals)
R01AM-14918-04 Connective tissue response to immobility (human, rabbits, dogs)
R01AM-15552-03 Model for chondrogenic and osteogenic studies (deer)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** RO1AM-15623-03 Polysaccharide metabolism in cystic fibrosis (human)
 ** RO1AM-16020-03 Interrelationship among cartilage matrix components (cat)
 RO1AM-17054-01 Sodium urate nucleation (human)
 RO1AM-17091-01 Superoxide and superoxide dismutase in human disease
 ** RO1CA-02075-20 Polysaccharides in neoplastic disease (human, cattle, rabbits)
 PO1CA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)
 PO2CA-13943-02 0007 Clinical pharmacology immunology cancer research center - Antitumor agents from marine organisms and algae
 RO1CA-13992-02 0006 Surface membranes of normal and cancer cells - Disc gel electrophoresis
 RO1CA-15626-01 Proteoglycans of normal and malignant cartilage (human, animals)
 PO1CA-15848-01 New approaches to tumor immunotherapy
 RO1DE-02103-10 0021 Inductive substrates for tooth and bone formation - Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat)
 P13DE-02600-08 0015 Planning of a research center in oral biology - Control of collagen synthesis and degradation
 P13DE-02623-08 0014 Center for oral health research - Gingival lipids (human, swine)
 P13DE-02731-08 0001 Development support for dental research institute - Dental plaque bacteriology (human, rodent)
 RO1DE-03108-04 Polysaccharides from oral streptococci
 RO1DE-03411-03 Levan polysaccharides of dental plaque
 RO1DE-03615-02 Streptococcal surface antigens and dental caries (rabbits)
 NO1DE-22415-01 Dental plaque indicators (human)
 RO1FD-00117-09 Hydrophilic colloid interactions in foods
 ** RO1GM-04761-18 Metabolism of polysaccharides (human, rabbits)
 ** RO1GM-06168-16 Stereospecific synthesis of polysaccharides
 RO1GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
 RO1GM-14582-08 Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters)
 ** RO1GM-18595-04 Synthesis of unsubstituted chains of polysaccharides
 RO1GM-19043-03 Cell division and membrane proteins (bacteria)
 ** RO1GM-19973-05 Biosynthesis of D-ribose and plant polysaccharides (plants)
 PO1GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
 PO1HD-04024-06 0002 Mental retardation research center - Organic chemistry (human)
 RO1HD-04870-05 Organic metabolites related to mental retardation (human)
 PO1HD-08315-01 0005 Biochemical, genetic and other studies in retardation - Organic metabolites related to mental retardation (human)
 RO1HL-01623-23 Antigens related to graft rejection (rabbits, rats)
 RO1HL-12147-07 Histochemistry of early arteriosclerotic lesions
POLYSACCHARIDES, BACTERIAL (GENERAL)
 SEE ALSO GLYCOLIPOPEPTIDES, PEPTIDOGLYCOLIPID
 SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
 SEE ALSO PEPTIDOGLYCANS
 SEE ALSO POLYSACCHARIDES, TEICHOIC ACID
 ** RO1AI-07168-09 Genetics and physiology of Salmonella typhimurium (mice, E coli)
 RO1AI-10414-01 Zones of multiple functions of the cellular surface
 RO1AI-12239-01 Diagnosis of systemic infections by antigen detection (children)
 ** PO1AI-12381-01 0016 Center for study of sexually transmitted diseases - Type III polysaccharide antigen of group B streptococcus
 ** NO1AI-42518-00 Clinical evaluation of bacterial polysaccharide vaccine
 PO2CA-12247-03 0028 Pediatric oncology center - Antibody response to immunization in Hodgkin's disease (human)
 RO1DE-03654-02 Molecular basis of dental caries (hamsters)
POLYSACCHARIDES, GLYCOSAMINOGLYCANS
 SEE ALSO METABOLIC DISORDERS INBORN, LIPOCHONDRODYSTROPHY
 SEE ALSO POLYSACCHARIDES, LIPOLYSACCHARIDES
 RO1AA-00649-01 Hepatic fibroblast activity in alcoholic hepatitis
 ** RO1AI-01659-17 Amino polysaccharide biosynthesis (bacteria, rabbits)
 RO1AI-03536-14 Biochemistry of virus infections
 RO1AI-07854-07 Immune responses of newborns to ingested antigens (human, rabbits)
 RO1AI-09551-05 Proteoglycans-Structure and biological activity (chick embryo)
 RO1AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
 PO1AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 ** RO1AM-02479-16 Isolation and structure of acid mucopolysaccharides (rats, cattle)
 PO1AM-03564-15 0011 Mesenchymal tissues and their diseases - Chick embryo corneal development
 ** PO1AM-05996-13 0017 Biochemistry of connective tissues - Mucopolysaccharides and glycosphingolipids of nervous system cells (rats, mice)
 ** PO1AM-05996-13 0024 Biochemistry of connective tissues - Structure and function of acid mucopolysaccharides
 ** PO1AM-05996-13 0025 Biochemistry of connective tissues - Mucopolysaccharides, lipid clearing and blood coagulation
 RO1AM-08127-10 Biochemistry of altered dermal connective tissue (birds, human)
 RO1AM-08432-09 Mechanism of induced renal disease (mammals)
 RO1AM-11919-06 Connective tissue and its components (cattle, human)
 RO1AM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
 RO1AM-13455-05 Sweat gland defect in pancreatic fibrosis (human, reptiles, birds)
 ** RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
 RO1AM-14715-04 Scleroderma-Systemic sclerosis (human)
 RO1AM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
 RO1AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
 RO1AM-15178-03 Genetic and nutritional defects in skeletal growth (animals)
 RO1AM-15465-03 Normal and pathological lysosomal metabolism (rats)
 RO1AM-15552-03 Model for chondrogenic and osteogenic studies (deer)
 PO1AM-15671-04 0028 The biology of skeletal and other connective tissues - Structure and function of diarthrodial joints (cattle)
 RO1AM-15792-03 Electric enhancement of bone healing (human, rabbits)
 RO1AM-16404-01 Collagen in osteoarthritic cartilage
 PO1AM-17110-07 0007 Program project in biomaterials calcified tissue - Polypeptide synthesis
 PO1AM-17110-07 0011 Program project in biomaterials calcified tissue - Natural and synthetic biopolymer systems
 ** PO1AM-17110-07 0012 Program project in biomaterials calcified tissue - Mucopolysaccharide-polypeptide interactions
 RO1AM-17258-01 In vitro culture of articular chondrocytes (human, rabbits)
 RO1AM-17524-01 0003 Role of ciliostatic factor in cystic fibrosis - Effects of ciliary inhibitor on cultured skin fibroblast (human, oysters)
 ** RO1AM-17535-01 High resolution separations of glycosaminoglycans
 ** RO1AM-17538-10 Mucopolysaccharide metabolism in enophthalmos (human)
 RO1AM-17550-01 Nutritional (manganese) deficiency and lysosomal function (chickens)
 RO1AM-18074-01 Crystal deposition diseases (human, rats, rabbits)
 RO1CA-05493-14 Leukopoietic mechanisms (rats, salamanders, lampreys)
 RO1CA-10126-08 Mechanisms of transformation by oncogenic viruses
 PO1CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)
 ** RO1CA-13196-03 Group transfer processes in normal and malignant cells (rats)
 PO2CA-15145-01 0003 Cancer center support grant - Extracellular proteoglycans of glioblastoma multiforme in human brain
 ** RO1CA-15483-07 Biochemistry of mucopolysaccharides
 PO1CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
 RO1CA-15889-01 Cell surface changes in viral oncogenesis (mice)
 RO1DE-02103-10 0021 Inductive substrates for tooth and bone formation - Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat)
 P13DE-02600-08 0038 Planning of a research center in oral biology - Molecular transport and partition in interstitial gel
 P13DE-02670-08 Institute of Dental Research
 ** PO1DE-02848-06 0017 Biology of connective tissue, bones and teeth - Collagen and glycosaminoglycan metabolism in the periodontium (marmosets, human)
 RO1DE-03014-06 Periodontal changes during aging (mice)
 ** R23DE-03866-01 Effects of sex steroids on gingival glycosaminoglycans
 RO1EY-00175-05 Structure and function of visual photoreceptors
 RO1EY-01119-02 Pathogenesis of primary open angle glaucoma (human, mammals, nonhuman)
 ** RO1EY-01199-01 Corneal macromolecules and scar formation (rabbits)
 RO1GM-16549-06 Post-traumatic changes in extracellular fluid volume (dogs, rats)
 PO1GM-17702-05 0001 Human biochemical genetics - Genetic defects on purine and amino acid metabolism (human)
 RO1GM-17773-04 Membrane formation in cytodifferentiation (rat pancreas)
 ** PO1GM-18252-04 0007 Automation of ultramicroanalyses of macromolecules - Biochemistry (human)
 ** RO1GM-19247-03 Biochemical basis for establishment of cell polarity (algae)
 RO1GM-19299-03 Microfilaments, morphogenesis, and cytodifferentiation
 PO1GM-19489-03 0008 Study of human genetics - Cartilage and chondrocytes from chondrocytrophies
 RO1GM-19813-02 Anesthetic alteration of cell structure and function (mice, decapods)
 RO1GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
 ** RO1GM-20682-01 Molecular geometries of mucopolysaccharides
 PO1GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
 PO1GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
 PO1GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
 RO1HD-00143-15 Cytology of growing and differentiating cells (animals)
 PO1HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
 RO1HD-02355-08 Genetic-nutritional interactions in development (mice)
 ** RO1HD-03752-05 0007 Mammalian reproduction - Fine structure of the developing sex cords (human, rats)
 ** PO1HD-04147-06 0007 Research in mental retardation - Sialosomucopolysaccharides in inborn errors of metabolism (human)
 PO1HD-04147-06 0020 Research in mental retardation - Metachromatic leukodystrophy associate with multiple sulfatase deficiency (human)
 ** RO1HD-04331-04 Mental retardation-Defect in Hunter syndrome (human, dogs, rats)
 ** PO1HD-04583-06 0005 Mental retardation research center - Effect of chondromucoprotein on chondromucoprotein biosynthesis (chick embryo)
 RO1HD-04669-04 Muscle differentiation in embryonic chick limb buds
 ** PO1HD-05342-04 0018 Mental retardation and brain development - Lipid and mucopolysaccharide storage diseases, animal model (rat)
 RO1HD-05465-04 0009 Genetic studies of human somatic cells - X-chromosomal inactivation (human)
 RO1HD-05624-04 Genetics and pathogenesis of the chondrocytrophies (human, mice, rabbits, dogs)
 RO1HD-05944-03 Developmental effects of mutant genes (mice)
 ** PO1HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
 PO1HD-06276-03 0049 Mental retardation research program - Perinatal telencephalic leucoencephalopathy (human)
 ** RO1HD-06763-03 Extracellular materials and embryonic organ formation (mice)
 RO1HD-07082-02 Changes in cell surface properties in gastrulation (frogs)
 ** PO1HD-07110-02 0029 Biomedical center for population research - Mucopolysaccharides and inherited diseases of connective tissue (human)
 ** RO1HD-08057-11 Polysaccharide structure and activity (bacteria, chick embryo, Xenopus)
 ** RO1HD-08308-01 Aging and carbohydrates of fibroblasts (human)
 RO1HL-01270-22 Salt and water retention of heart failure (human, rabbits)
 PO1HL-05435-14 0003 Cardiovascular research and training program - Connective tissue (human)
 RO1HL-10861-08 Microvascular research (bats, rabbits)
 ** RO1HL-11489-07 Structural investigations on glycosaminoglycans
 RO1HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
 RO1HL-13609-04 Aortic connective tissue in induced atherosclerosis (rabbits, rats)
 ** RO1HL-13612-04 0011 Human arteriosclerosis - Atherosclerosis-Role of aortic acid mucopolysaccharide (rabbits)
 ** RO1HL-13954-03 Water transport phenomena and MPS distribution (pigs)
 P17HL-14164-04 0023 Arteriosclerosis research center - Core laboratories of biochemistry (monkeys, pigeons)
 P17HL-14177-04 0003 Center for prevention and treatment of atherosclerosis - Interaction of aortic tissue with plasma fractions in hyperlipemia (swine, human)
 ** P17HL-14194-04 0016 Pathophysiology of atherosclerosis - Purification of plasma GAG-Interaction with plasma lipoproteins (human)
 P17HL-15062-03 0012 Study of lipoproteins, artery wall, and atherosclerosis - The pathology of atherosclerosis (monkeys, rabbits)
 ** P17HL-15103-03 0011 Specialized center of research-arteriosclerosis - Macromolecular composition and metabolism of arterial wall (monkeys)
 ** RO1HL-15155-02 Rheology of pulmonary secretions (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-15304-02 Spontaneous arteriosclerosis—Ground substance changes (
- ** R01HL-15566-02 Cellular synthesis and release of mucopolysaccharides (rabbits)
- ** R01HL-15782-01 Mucopolysaccharide metabolism in cardiac anomalies (rats)
- R01HL-16364-01 0004 Regulation of lipid biosynthesis and transport - Transport of lipids in aorta (swine, rabbits)
- R01NS-09348-04 Glycoproteins in brain (rats, rabbits)
- R01NS-10473-03 0005 Brain lipids in diffuse demyelinating disease - Effect of leukapheresis and plasma infusion in mucopolysaccharidoses (human)
- R01NS-11053-01 Nonmast cell histamine in the brain (rats)
- ** R01NS-11456-02 Anomal glycoproteins and glycosaminoglycans (goldfish, garfish)
- ** M01RR-00063-12 0013 General clinical research center - Degradation of sulfated mucopolysaccharides in mucopolysaccharidosis (human)
- ** M01RR-00210-10 0009 General clinical research center—Maternal-child - Glycosaminoglycans composition of human placenta
- POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE**
- R01AA-00312-03 0003 Acute and chronic gastric mucosal injury due to alcohol - Mechanism of gastric mucosal injury caused by alcohol (rats, guinea pigs)
- ** R01AM-00028-22 Characterization of cartilage ground substances (human, cattle)
- ** R01AM-01526-18 Hormonal control on chondroitin sulfate synthesis (human, animals)
- ** P01AM-05996-13 0008 Biochemistry of connective tissues - Differentiation of cartilage (chick embryo)
- ** P01AM-05996-13 0014 Biochemistry of connective tissues - Xylosyltransferase in synthesis of chondroitin sulfate (chick embryo, rats)
- ** P01AM-05996-13 0015 Biochemistry of connective tissues - Galactosyltransferases in synthesis of chondroitin sulfate (chick embryo)
- ** P01AM-05996-13 0021 Biochemistry of connective tissues - Solubilization and fractionation of chondroitin sulfate enzymes
- P01AM-05996-13 0024 Biochemistry of connective tissues - Structure and function of acid mucopolysaccharides
- P01AM-05996-13 0027 Biochemistry of connective tissues - Diagnosis of atrial myxomas (human)
- R01AM-06482-10 Protein polysaccharides of connective tissue (mice, human)
- R01AM-08816-10 Metabolism of mucopolysaccharides (frogs, chick embryos)
- ** R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- ** R01AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- R01AM-15901-03 The metabolic activity of thymic hormone (rats)
- ** R01AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
- ** R01AM-16606-02 Metabolism of osteoarthritic articular cartilage (human)
- R01AM-16894-02 Immunopathology of cartilage proteoglycans (human, rabbits)
- P01AM-17110-07 0012 Program project in biomaterials calcified tissue - Mucopolysaccharide-polypeptide interactions
- R01AM-17215-01 Proteoglycans in aging and osteoarthritic cartilage (human, dogs)
- ** P01CA-14733-02 0011 Control of gene expression, virus replication and cell growth - Skin and cartilage development (avian embryo)
- P01CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
- R01DE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
- P13DE-02731-08 0002 Development support for dental research institute - Skeleton biochemistry (rabbits, rats, ungulates)
- R23DE-03866-01 Effects of sex steroids on gingival glycosaminoglycans
- R01EY-00223-13 The physiology and pathology of the vitreous (monkey)
- R01EY-00952-03 Fibroblast differentiation during corneal development (chick embryo)
- P01GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
- R01GM-20682-01 Molecular geometrics of mucopolysaccharides
- N01HB-42969-01 Interactions of natural and chemically modified biopolymers with blood (degs)
- R01HD-00189-21 Mechanisms in differentiation of mesodermal tissues (chick embryo, xenopus)
- P01HD-04583-06 0001 Mental retardation research center - Biosynthesis of mucopolysaccharides by neuroblastoma and glial cells in vitro
- ** P01HD-04583-06 0003 Mental retardation research center - Biosynthesis of chondroitin sulfate proteoglycan (chick embryo)
- ** P01HD-04583-06 0004 Mental retardation research center - Structure of cartilage proteoglycan (cattle)
- P01HD-04583-06 0012 Mental retardation research center - Chondrogenesis (human, chick embryo)
- R01HD-05505-03 Control of extracellular matrix synthesis (chick embryo)
- R01HD-06392-03 Microenvironmental control of myogenesis (chick embryo)
- R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
- R01HL-11489-07 Structural investigations on glycosaminoglycans
- R01HL-12236-06 Biological synthesis of protein (human, mammals)
- ** P17HL-14138-04 0012 Center for research on atherosclerosis - Sulfate incorporation into glycosaminoglycan fraction of pig aorta
- R01MH-17018-05 Mucopolysaccharides in brain (rats, rabbits, cattle)
- POLYSACCHARIDES, GLYCOSAMINOGLYCANS, DERMATAN SULFATE**
- ** P01AM-05996-13 0016 Biochemistry of connective tissues - Dermatan sulfate (pigs, horses)
- P01AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
- R01AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
- P01GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
- R01GM-20682-01 Molecular geometrics of mucopolysaccharides
- R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
- POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE**
- R01AJ-09551-05 Proteoglycans—Structure and biological activity (chick embryo)
- R01AM-02479-16 Isolation and structure of acid mucopolysaccharides (rats, cattle)
- ** P01AM-05996-13 0004 Biochemistry of connective tissues - Structure of heparin sulfates and heparin (rabbits, horses, mollusks)
- P01AM-05996-13 0017 Biochemistry of connective tissues - Mucopolysaccharides and glycosphingolipids of nervous system cells (rats, mice)
- P01AM-05996-13 0025 Biochemistry of connective tissues - Mucopolysaccharides, lipid clearing and blood coagulation
- ** R01AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
- R01AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
- R01EY-00952-03 Fibroblast differentiation during corneal development (chick embryo)
- R01GM-20682-01 Molecular geometrics of mucopolysaccharides
- ** P01HD-04583-06 0011 Mental retardation research center - Biochemistry of mucopolysaccharides (human, rabbits)
- R01MH-17018-05 Mucopolysaccharides in brain (rats, rabbits, cattle)
- POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN**
- SEE ALSO BLOOD COAGULATION, HEPARIN CO-FACTOR
- SEE ALSO LIPASES, LIPOPROTEIN LIPASE
- R01AA-00263-04 Aldehyde metabolism and ethanol addiction (rabbits, mice, rats)
- R01AJ-09551-05 Proteoglycans—Structure and biological activity (chick embryo)
- P15AJ-10397-02 Reaction to stinging insects (human, monkeys, rodents)
- R01AJ-10704-14 Childhood renal disease (human, swine, rodents)
- P01AM-00002-28 0011 Metabolic and hereditary disorders - Lipoproteins and lipid transport (human, cattle)
- ** P01AM-05996-13 0004 Biochemistry of connective tissues - Structure of heparin sulfates and heparin (rabbits, horses, mollusks)
- P01AM-05996-13 0025 Biochemistry of connective tissues - Mucopolysaccharides, lipid clearing and blood coagulation
- R01AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
- R01AM-08816-10 Metabolism of mucopolysaccharides (frogs, chick embryos)
- P02AM-13083-06 0051 Organ transplantation - Immunosuppressive effects of macrophage lysis (mice)
- ** R01AM-13412-14 Structure and function of mucopolysaccharides (human, mice, cattle, bacteria)
- R01AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
- ** R01AM-17524-01 0002 Role of ciliostatic factor in cystic fibrosis - Ciliostatic reversal by heparin therapy (human, oysters)
- N01AM-42201-00 Anticoagulant-bound hemodialysis (sheep)
- ** P02CA-11051-06 0053 Clinical radiation research center - Radiation pathology—Hepatitis alteration by heparin (rats)
- P01CA-14723-02 0002 Experimental cancer immunology - Cytolysis of malignant target cells (mice)
- R01CA-15484-02 Histone control of nuclear DNA polymerase activity (rats)
- ** R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
- R01CA-17099-01 Factors in canine mast tumor implantation and growth (beagles)
- R01DE-03322-03 Gingival tissue fibrinolysis and heparin
- R01DE-03929-01 Role of local factors on bone in periodontal disease (rabbits)
- R01EY-00056-05 Pathogenesis of altered ocular vascular permeability (rabbits)
- R01EY-00794-01 Thrombolytic therapy in retinal vascular occlusion (human)
- R01GM-12748-10 Mechanism of cell damage in severe burns (mice, rats)
- P01GM-13543-09 0016 Cellular and molecular pathology - Mast cells in response to injury
- P01GM-14892-07 0002 The traumatized patient - Hematologic and rheologic changes in burns and hemorrhagic shock (human)
- P01GM-15430-07 0023 Research in anesthesia - NAHC03 and myocardial performance during anesthesia (human)
- P01GM-16436-06 0037 Bioengineering program project - Synthetic biomaterials
- P01GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
- R01GM-20682-01 Molecular geometrics of mucopolysaccharides
- P01GM-21797-01 0002 The traumatized patient - Hematologic and rheologic changes (human, rats, degs)
- N01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- ** N01HB-32918-02 Material development and testing heparinization processes (rabbits, dogs)
- ** N01HB-32919-03 Material development and testing heparinization processes
- N01HB-32954-03 Compatibility of carbon and blood
- N01HB-42969-01 Interactions of natural and chemically modified biopolymers with blood (degs)
- ** N01HB-42975-02 Heparin for prevention of venous thromboembolism in orthopaedic surgical patient
- ** N01HB-42978-01 Clinical trials of sulfinpyrazone and low dose heparin (human)
- ** P01HD-04583-06 0001 Mental retardation research center - Biosynthesis of mucopolysaccharides by neuroblastoma and glial cells in vitro
- ** P01HD-04583-06 0011 Mental retardation research center - Biochemistry of mucopolysaccharides (human, rabbits)
- R01HL-02904-18 Determination of natural clotting factors (human)
- R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
- R01HL-04801-14 Cardiac conduction and cardiac contraction (dogs)
- ** R01HL-07564-13 Experimental shock (rats)
- R01HL-08929-10 0001 Surgical vascular disorders - Detecting in vivo thromboses (human, dogs)
- R01HL-08929-10 0002 Surgical vascular disorders - Restoration of vessel patency (dogs, human)
- R01HL-08929-10 0004 Surgical vascular disorders - Role of platelets in thrombosis (human, dogs)
- R01HL-08929-10 0005 Surgical vascular disorders - Pulmonary embolism (dogs, human)
- P01HL-09011-11 0003 A research and resource program in blood - Nucleic acids (rabbits, E coli)
- P01HL-09011-11 0007 A research and resource program in blood - Coagulation (human)
- R01HL-09997-10 Intracardiac valvular prostheses (dogs, human)
- P01HL-11414-07 0001 Thrombosis and atherosclerosis program - Initiation of thrombosis (human, rats)
- P01HL-11414-07 0016 Thrombosis and atherosclerosis program - Mechanism of action and physiological role of human antithrombin
- R01HL-11470-08 Thrombogenesis and hemostatic balance (rabbits, human)
- R01HL-11489-07 Structural investigations on glycosaminoglycans
- P01HL-13108-05 0004 Clinical heart transplantation - Immunosuppression (human, dogs)
- R01HL-13304-05 Structure of human plasma lipoproteins (human, swine)
- R01HL-13466-04 Pulmonary platelets in shock, trauma and embolization
- R01HL-13704-02 Closed-chest left heart bypass without heparin (sheep)
- P01HL-13738-03 0002 Cardiac assist devices and artificial hearts - Total replacement with artificial heart (calves sheep)
- R01HL-13803-04 Development of a trileaflet aortic valve prosthesis (baboons, human)
- ** P17HL-14147-04 0005 Specialized center of research in thrombosis - Activated factor X inhibitor as a measure of thrombosis (human, rabbits)
- P17HL-14147-04 0010 Specialized center of research in thrombosis - Thromboembolic occlusions in surgical patients

(contd)

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**Directed significantly to above subject.

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- ** P17HL-14182-04 0007 A special center of research in thrombosis 2 A critique of methods by which to monitor heparin therapy (human)
- P17HL-14214-04 0008 Neonatal lung center - Use of the Kolobow membrane lung in HMD (lambs)
- P17HL-14217-04 0026 Specialized center of research in thrombosis - Clinical trial of anecrod
- P17HL-14217-04 0041 Specialized center of research in thrombosis - Plasmin induced platelet aggregation and platelet release reaction (swine, human)
- ** P17HL-14217-04 0043 Specialized center of research in thrombosis - Platelet antiheparin activity
- P17HL-14217-04 0045 Specialized center of research in thrombosis - Patients with qualitative platelet defects
- P17HL-14217-04 0046 Specialized center of research in thrombosis - Platelet coagulant activities in thrombosis (human)
- P17HL-14228-04 0003 Specialized center of research in thrombosis - Rejection in transplantation model (dogs)
- R01HL-14302-03 Induced chronic intravascular coagulation (dogs)
- R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
- R01HL-14350-02 Venous flow velocity, venous volume, and blood flow (human)
- ** P01HL-14388-03 0016 Regulation of the circulation in pathological states - Heparin in treatment of malignant hypertension (rats)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- R01HL-14786-03 Polyurethane ionomers for biomedical applications (dogs)
- P18HL-15170-03 0018 Comprehensive sickle cell disease center - Intravascular coagulation phenomena (human)
- R01HL-15514-01 Removal mechanisms and plasma lipoprotein homeostasis (rabbits, human)
- R01HL-15648-02 Lipid metabolism-Human triglyceride lipases (rabbits)
- R01HL-15682-01 Development of antithrombotic membrane oxygenators (dogs, human)
- R01HL-16154-01 Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human)
- R01HL-16290-01 Intimal fibroplasia after arterial reconstructions (dogs)
- R01HL-16523-01 Platelets survival and inhibitors in thromboembolism (human)
- R01HL-16582-01 Artificial lungs (dogs, monkeys)
- R01HL-16635-01 Circulating fibrin (human, dogs)
- P01HL-16769-01 0002 Pathobiologic and host defense reactions in the lung - Pathogenesis of complement dependent injury to the lungs (rabbits, monkeys)
- R01HL-16898-01 Biofeasibility of total prosthetic lung replacement (dogs, sheep)
- ** R01HL-16955-01 Heparin, blood coagulation and lipid metabolism (human, rats)
- R23HL-17112-01 Lung and prostaglandins-Metabolism and vasomotion (cats)
- P01NS-06663-08 0010 Cerebrovascular clinical research center - Temporal profile of progressing stroke in carotid system (human)
- R01NS-11551-01 Demyelination and the optic nerve (human)
- ** M01RR-00036-14 0115 General clinical research center - Role of heparin in bone resorption in hypercalcaemia
- M01RR-00042-14 0030 General clinical research center - Hemolysis in Starr-Edwards prosthetic aortic valves, effect of drugs (human)
- ** M01RR-00042-14 0060 General clinical research center - Long term effect of heparin therapy on calcium metabolism (human)
- M01RR-00047-14 0087 General clinical research center - Coagulation in lupus nephritis (human)
- M01RR-00059-13 0098 General clinical research center - Cholic acid and heparin irrigation of retained common duct stones (human)
- ** M01RR-00059-13 0174 General clinical research center - Heparin-induced elevation of free fatty acid in diabetes (human)
- M01RR-00064-10 0059 General clinical research center - Lipoprotein removal in man
- M01RR-00069-12 0101 General clinical research center, children - Treatment of systemic lupus erythematosus
- ** M01RR-00081-12 0034 General clinical research center, premature infants - Metabolism of heparin in premature and newborns
- ** M01RR-00305-08 0086 Clinical research center for children - Progressive glomerulonephritis
- M01RR-00334-08 0009 General clinical research center - Streptokinase treatment of intravascular thrombosis (human)
- M01RR-00334-08 0038 General clinical research center - Heparin vs venacil in treatment of venous thrombosis (human)
- ** M01RR-00349-08 0012 General clinical research center - Streptokinase treatment (human)
- M01RR-00633-02 0011 General clinical research center - Intravascular coagulation in renal disease (human)
- M01RR-00633-02 0026 General clinical research center - Free fatty acid levels in myocardial infarction (human)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID

- P01AM-03564-15 0034 Mesenchymal tissues and their diseases - Hyaluronate and developing systems
- P01AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharides and glycosaminoglycans (human)
- R01AM-07343-11 Characterization of cartilage proteoglycans (human, cattle, rabbits)
- R01AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- R01AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- R01AM-15216-04 Molecular basis of joint lubrication (cattle, human)
- R01AM-15590-03 The subcutaneous tissue in scleroderma (human)
- R01AM-17229-01 Lubricating ability of synovial fluid (human)
- R01DE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
- ** R01EY-00223-13 The physiology and pathology of the vitreous (monkey)
- P01EY-00227-13 0009 The posterior segment of the eye - Studies of the vitreous (human, monkeys)
- R01EY-00810-01 Role of hyalocytes in the vitreous (cattle)
- R01GM-20682-01 Molecular geometrics of mucopolysaccharides
- N01HB-42969-01 Interactions of natural and chemically modified biopolymers with blood (dogs)
- ** P01HD-04583-06 0001 Mental retardation research center - Biosynthesis of mucopolysaccharides by neuroblastoma and glial cells in vitro
- ** P01HD-04583-06 0002 Mental retardation research center - Structure of hyaluronin acid
- R01HD-05505-03 Control of extracellular matrix synthesis (chick embryo)
- R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
- R01HM-17018-05 Mucopolysaccharides in brain (rats, rabbits, cattle)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, KERATAN SULFATES

- ** R01AM-00028-22 Characterization of cartilage ground substances (human, cattle)
- ** P01AM-05996-13 0010 Biochemistry of connective tissues - Structure of keratan sulfate
- R01AM-08482-10 Protein polysaccharides of connective tissue (mice, human)
- ** R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- R01AM-17215-01 Protophytogens in aging and osteoarthritic cartilage (human, dogs)
- PO1CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
- R01EY-00952-03 Fibroblast differentiation during corneal development (chick embryo)
- ** P01GM-19489-03 0007 Study of human genetics - The basic defect in the Morquio syndrome
- R01GM-20682-01 Molecular geometrics of mucopolysaccharides
- ** R01HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
- P01HD-05342-04 0018 Mental retardation and brain development - Lipid and mucopolysaccharide storage diseases, animal model (rat)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, MACTIN

- P01AM-05996-13 Biochemistry of connective tissues
- P01AM-05996-13 0004 Biochemistry of connective tissues - Structure of heparin sulfates and heparin (rabbits, horses, mollusks)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, SULFOMUCOPOLYSACCHARIDES

- SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE
- SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, DERMATAN SULFATE
- SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE
- SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN
- SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, KERATAN SULFATES
- SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, MACTIN
- SEE ALSO PROTEOGLYCANS
- ** R01AM-08816-10 Metabolism of mucopolysaccharides (frogs, chick embryos)
- R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- R01AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
- R01AM-14693-04 Membrane bound granules of the epidermis (rats, chickens, frogs)

- ** R01HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
- R01HD-08057-11 Polysaccharide structure and activity (bacteria, chick embryo, Xenopus)
- ** R01HM-17018-05 Mucopolysaccharides in brain (rats, rabbits, cattle)

POLYSACCHARIDES, LIPOPOLYSACCHARIDES

- SEE ALSO GLYCULIPIDS
- SEE ALSO GLYCULOPEPTIDES
- SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, SOMATIC ANTIGENS
- SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL, ZYMOSAN
- SEE ALSO POLYSACCHARIDES, PIROMEN
- R01AI-01659-17 Amino polysaccharide biosynthesis (bacteria, rabbits)
- R01AI-02566-15 Chemical and biological studies of complement (mice, guinea pigs)
- R01AI-06692-10 Chemistry of bacterial cell walls
- R01AI-06875-08 Growth of T4R11 coliphage on *Escherichia coli* K12
- ** R01AI-07168-09 Genetics and physiology of *Salmonella typhimurium* (mice, *E. coli*)
- ** R01AI-08295-06 Enzymology of bacterial cell membranes
- R22AI-08518-06 Antibacterial immunity against *Vibrio cholerae* (human, rabbits, mice)
- ** R01AI-08650-06 Biosynthesis of lipopolysaccharides (bacteria)
- R01AI-09644-05 Biochemistry of bacterial cell membranes
- ** R01AI-09841-03 Modification of lipopolysaccharide by enzymes (bacteria, fungi)
- R01AI-10108-04 Lethal bacteremia (human, rabbits)
- R01AI-10646-03 Antibiotic resistance in *Neisseria gonorrhoeae*
- R01AI-11092-01 Induction of antibody synthesis (mice)
- R01AI-11298-01 Regulation of cell wall growth
- ** R01AI-11479-02 Bacterial membranes
- ** R01AI-11569-02 Nature and function of shock receptors of white cells (human, sheep, rabbits)
- N01AI-32529-02 Biological stimulants of interferon
- R01AM-00884-19 Complex phospholipids of *Mycobacterium* species
- R01AM-05507-13 Gene action, enzyme, nucleotide, carbohydrate patterns (bacteria, yeast)
- ** R01AM-08388-09 Cell wall lipopolysaccharide structure and synthesis (bacteria)
- ** R01AM-13407-06 Glycosyltransferases
- ** R01AM-15684-03 Chemistry and metabolism of polysaccharides (human, mice, bacteria)
- ** P01CA-12093-04 0010 Immunobiology of cancer - Substitution of bacterial lipopolysaccharide (rabbits)
- R01CA-15325-01 Antitumor active components of BCG cell walls
- R01CA-15565-01 Macrophage and tumor cell interactions (mice)
- P01CA-16038-01 0001 Program on the molecular basis of viral transformation - Immunological activation of oncogenic virus (mice)
- R01DE-03821-01 Role of dental plaque in periodontal pathology (human, rabbits)
- R01DE-03836-01 Crevicular epithelium transport and periodontal disease (rabbits)
- R01GM-11214-11 Structure and function of membranes in nitrifying bacteria
- ** R01GM-20181-01 Lipopolysaccharide antigens of *Pseudomonas aeruginosa*

POLYSACCHARIDES, PIROMEN

- M01RR-00229-09 0065 General clinical research center - Assessment of pituitary reserve in pretreatment with dexamethasone (human)

POLYSACCHARIDES, SULFOPOLYSACCHARIDES

- SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, SULFOMUCOPOLYSACCHARIDES
- P01ES-00226-08 0004 Comparative environmental toxicology - Interaction of carrageenan with other agents (rodents, rabbits, dogs, primates)

POLYSACCHARIDES, TEICHOIC ACID

- R01AI-04410-13 Lipids of mycoplasmas
- R01AI-04615-13 Biosynthesis of bacterial cell wall components
- R01AI-05090-13 Chemistry and biosynthesis of microbial cell walls
- R01AI-07825-08 0004 Immunological studies with synthetic polypeptides - Use of pneumococcal R36A to enhance immune response
- ** R01AI-09423-05 Teichoic acids-Function and mode of replication (bacteria)
- R01AI-10141-04 Physiologic-genetic regulation of cell wall biosynthesis (bacteria, bacteriophage)
- R01AI-11161-03 L-forms of group A, beta hemolytic streptococci
- R01AI-11187-02 Streptococci
- R01DE-02901-06 Cell wall antigens of cariogenic streptococci (human, rabbits)
- R01GM-18405-04 0001 Regulation and mechanism of cell surface synthesis - Cell wall assembly and degradation during cell cycle (Gram positive bacteria)
- R01HL-03919-16 The cell surface of streptococci

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

POLYOSEROSITIS FAMILIAL

SEE METABOLIC DISORDERS INBORN, FAMILIAL MEDITERRANEAN FEVER

POLYSOMES

SEE CELL COMPONENTS, POLYSOMES

POLYSTYRENES

SEE PLASTICS, STYRENE POLYMERS

POLYTETRAFLUOROETHYLENES

SEE PLASTICS, FLUOROCARBON POLYMERS

POLY-L-TYROSINE

SEE PEPTIDES, HOMOPEPTIDES, TYROSYL

POLYUNSATURATED COMPOUNDS

SEE CHEMICAL BONDS, UNSATURATED COMPOUNDS, POLYENES

POLYURETHANES

SEE PLASTICS, POLYURETHANES

POLYVINYL ALCOHOLS

SEE PLASTICS, POLYVINYL

POLYVINYL CHLORIDE

SEE PLASTICS, POLYVINYL

POLYVINYLPIRROLIDONE

SEE PLASTICS, PVP

POLYVINYL

SEE PLASTICS, POLYVINYL

POMACE FLIES

SEE ARTHROPODS, INSECTS, DIPTERA, DROSOPHILA*

POMPE'S DISEASE

SEE METABOLIC DISORDERS INBORN, GLYCOGENOSIS, TYPE II

PONS

SEE BRAIN, PONS

POPULATION DENSITY

SEE POPULATION STUDIES HUMAN, POPULATION DENSITY

POPULATION DENSITY, ANIMAL

SEE POPULATION STUDIES ANIMAL, POPULATION DENSITY

POPULATION GENETICS (GENERAL)

SEE GENETICS, POPULATION GENETICS (GENERAL)

POPULATION GENETICS ANIMAL

SEE GENETICS, POPULATION GENETICS ANIMAL

POPULATION GENETICS HUMAN

SEE GENETICS, POPULATION GENETICS HUMAN

POPULATION GENETICS MICROORGANISMS

SEE GENETICS, POPULATION GENETICS MICROORGANISMS

POPULATION GENETICS PLANTS

SEE GENETICS, POPULATION GENETICS PLANTS

POPULATION RESEARCH AND TRAINING COMMITTEE

- M P01HD-03015-08 Program for developmental biology
M P01HD-03803-06 Control mechanism in reproduction and development
M P01HD-05077-05 Reproductive biochemistry and medicine
M P01HD-05318-04 Reproductive endocrinology
M P01HD-05671-03 Center for population research
M P01HD-05797-04 Population and reproductive biology
M P01HD-05798-01 Center for population research award
M P01HD-05876-03 Center for population research
M P01HD-05969-03 Events that control fertilization
** P01HD-06132-01 International institute for study of human reproduction (also primates)
** P01HD-06160-03 Population Research Center (human)
** P01HD-06268-02 Hopkins population center
M P01HD-06273-03 Cyclic nucleotides in uterine and sperm functions
M P01HD-06274-03 Reproductive biology
M P01HD-06645-03 Center for population research
** P01HD-06916-01 Reproduction-Gametogenesis to implantation (human, mammals non-human)
M P01HD-07110-02 Biomedical center for population research
M P01HD-07495-02 Center for population research, studies in reproductive biology
M P01HD-07640-01 Program project in reproductive biology
** P01HD-08235-01 Hormonal regulation of the reproductive tract
M P01HD-08338-01 Control of male reproduction
- POPULATION RESEARCH STUDY SECTION**
** R01HD-03002-07 Fertility and family planning in Taiwan (human)
** R01HD-04602-05 Goals and conditions of population control (human)
** R01HD-05255-03 Pre-adult fertility and family formation (young women)
** R01HD-05427-03 Rural fertility decline in Northern America (US, Canada)
** R01HD-05585-03 Studies in population change (USSR)
** R01HD-05852-03 Migration of negroes to the south

- R01HD-05853-03 Pregnancy, birth control and abortion (human)
** R01HD-05952-03 Follow-up of abortion or motherhood in adolescence
** R01HD-05985-01 Cycles in fertility, mortality and economic conditions (US, Sweden, Britain)
R01HD-06084-02 Role definitions and potential for change (human)
** R01HD-06110-03 Urbanization, life style and fertility (Italy, US)
** R01HD-06130-01 Fertility and labor force in the US
** R01HD-06264-03 Sociopsychological aspects of premarital conception
** R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
** R01HD-06266-02 Psychological factors and fertility behavior in women
** R01HD-06272-02 Psychological effects of voluntary vasectomy
** R01HD-06279-03 Fertility extended familism and lifestyle in Cameroon
** R01HD-06281-03 Change of attitudes toward population policy issues
R01HD-06438-02 Female occupational structure-determinants and trends
** R01HD-06589-03 Personality and attitude factors in birth planning
** R01HD-06604-02 The politics of population policy in Latin America
** R01HD-06612-01 Population redistribution policies (human)
** R01HD-06721-03 Conditions of variation and change in fertility (Israel)
R01HD-06792-03 Effect of sibling position on fertility rates (human)
** R01HD-06830-03 Effect of therapeutic abortion on unmarried women
** R01HD-06911-02 Population density and human behavior in Chicago
** R01HD-06955-01 Epidemiological studies of IUD retention (Taiwan)
** R01HD-06966-02 Systems study of population and economic change (US, Japan)
** R01HD-07001-01 Population mathematics (human)
** R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US
R01HD-07024-02 Prediction of family-planning intentions and behavior
R01HD-07093-02 Effect of labor market on birth and marriage rates
R01HD-07094-01 An open model for population projection
** R01HD-07116-01 Simulation of birth planning decision policies
** R01HD-07118-01 Life change events in seeking elective abortion
** R01HD-07144-01 Fertility and child development impact of AFDC
** R01HD-07147-01 Migration and fertility behavior and attitudes
** R01HD-07161-02 Microeconomic analysis of human fertility behavior
** R01HD-07186-01 Economic and non-economic determinants of migration
** R01HD-07188-01 Ethnography of poor black women
** R01HD-07214-02 Long-term complications of induced abortions
** R01HD-07225-01 Birth planning-Values and decisions
** R01HD-07268-01 Contraception, abortion and couple decision-making (Israel)
R01HD-07323-01 Motivation, roles and family planning of women
** R01HD-07334-01 Fertility, productivity and labor force participation (women in academia)
** R01HD-07363-01 Critical factors in family planning participation (clinic attendants)
R01HD-07394-01 Efficiency aspects of the distribution of US city sizes
** R01HD-07396-02 Household formation, fertility, and market activity
R01HD-07397-02 Population study of rural migrants in urban areas
** R01HD-07410-02 Economic determinants of population distribution (San Francisco)
R01HD-07412-02 Fertility motivation and career conflict in women
** R01HD-07480-01 The ethno-semantics of Mexican American fertility
** R01HD-07532-01 Fertility effect of income on various birth orders
** R01HD-07545-01 Antecedents and consequences of overcrowding
** R01HD-07551-01 Child spacing and family size in population planning
** R01HD-07552-02 Economic study of fertility decline in postwar Japan
** R01HD-07565-01 Dynamic 'World system' models
** R01HD-07598-01 Demographic portrait of Spanish-surnamed Californians
** R01HD-07599-01 Occupation and the economic determinants of fertility

- ** R01HD-07618-01 Human population structure-A computer simulation
** R01HD-07619-01 Children and inheritance of wealth
** R01HD-07629-02 Population-policy linkages in cities and suburbs
** R01HD-07645-01 Economic policy in relation to population growth
R01HD-07682-02 Differential fertility in the United States, 1960-1970
** R01HD-07717-01 Contraceptive method and female sexual arousal (human)
** R01HD-07739-01 Decision making on unplanned pregnancies
** R01HD-07806-01 Marital intensity-A clinical and cross-cultural study
** R01HD-07817-01 Ethnic politics and population composition
** R01HD-07856-01 Role induction in pregnancy (human)
** R01HD-07881-01 Rural-urban migration and adaptation in Korea
** R01HD-07914-01 Population and kinship in Neckarhausen 1500-1870
** R01HD-07957-01 Fertility and achievement of women college graduates
** R01HD-07993-01 Fertility and labor force patterns in U S women
** R01HD-08031-01 Density and pathology in urban areas
** R01HD-08074-01 Prediction of failures in contraceptive planning
** R01HD-08112-01 Socioeconomic determinants of US post-war natality
** R01HD-08163-01 Systems model of human fertility
** R13HD-08173-01 ILCORK conference on population change in Korea
** R01HD-08251-01 Land inheritance and birth rate among European peasants (Austria)
** R01HD-08276-01 The value of children in the US
** R01HD-08287-01 The value of children in the USA
** R01HD-08454-01 Metropolitan home-work place patterns
** R01HD-08497-01 Fertility and assimilation of the foreign-born
** R01HD-08514-01 A sociomedical study of induced abortion (New York City)
** R01HD-08515-01 Population effects on local expenditures
** R01HD-08524-01 Family planning program and fertility in UP, India
** R01HD-08546-01 Crowding and development of spatial behavior (adults, children)
** R01HD-08567-01 Migration, regional growth and public policy (Mexico)
** R01HD-08586-01 Population dynamics in preindustrial England
** R01HD-08587-01 Population regulation in a Swiss Village
** R01HD-08624-01 Black childlessness
** R01HD-08967-01 Changing mating patterns among the Papago Indians
** R01HD-08979-01 Fertility and migration trends in rural New England
- POPULATION STUDIES ANIMAL**
SEE ALSO ANIMALS, MIGRATORY*
SEE ALSO ENVIRONMENT, ECOLOGY ANIMAL
SEE ALSO GENETICS, POPULATION GENETICS ANIMAL
R01AI-02487-16 Host selection behavior and ecology of parasitic acari (rabbits)
R01AI-03028-15 Ecology and control of arboviruses (animals)
R01AI-06153-11 Growth physiology of cestodes (rats)
R01AI-06248-10 North American encephalitis arboviruses (birds)
R01AI-06587-10 The natural history of mosquitoes
R01AI-07880-07 Interspecific competition among mosquitoes
** R07AI-10049-15 0002 International center for medical research - Arboviruses in the Changa Manga forest (insects, mammals, amphibians, human)
** R07AI-10049-15 0005 International center for medical research - Epidemiology and vector patterns in East Pakistan (human, mosquitoes, helminths)
R07AI-10049-15 0009 International center for medical research - Malaria in West Pakistan-Biological control of vectors in urban areas
R22AI-11253-02 Epidemiological studies of latent rabies infections (rodents, carnivores)
** R01AI-11583-02 Population biology of salt marsh mosquitoes
** R01AI-11921-01 Mosquito flight paths in relation to the environment
PO1CA-13343-02 0015 Environmental cancer - Toxicology-Mouse population studies
PO1ES-00040-10 0012 Environmental toxicology of pesticides - Effects of dieldrin on aquatic animals (fish)
** P01GM-10402-12 0016 Zoophysiology in Alaska - Cyclic responses in the snowshoe hare
** P01GM-10402-12 0023 Zoophysiology in Alaska - Function of nerves in cyclic population 'crash' of snowshoe hares
** P01GM-10402-12 0034 Zoophysiology in Alaska - Changes in snowshoe rabbits during their 10-year cycle
R01HD-00942-12 Animal behavior in field and laboratory environments (kangaroo rats, Peromyscus)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- PO1HD-02881-07 0002 Developmental and behavioral neuroendocrinology 2 Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
- PO1HD-05523-04 0001 Analysis of genetic effects on aging - Longevity of inbred mice
- PO1HD-05798-01 0003 Center for population research award - Psychology studies
- RO1HD-07582-02 Epidemiologic studies of sudden unexpected death in primates (Macaca)
- ** PO1HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
- RO1MH-19617-04 Quantitative studies of primate social groups (baboons)
- RO1MH-25283-01 Social behavior-Ecology of populations (birds)
- ** RO1RR-00910-01 Primate population studies
- POPULATION STUDIES ANIMAL, EPIZOOTIOLOGY**
- ** RO1AI-00771-20 Wildlife reservoirs of arboviruses (rodents, deer)
- RO1AI-06248-10 North American encephalitis arboviruses (birds)
- RO1AI-07453-08 Transmission and control of California-group viruses (hamsters)
- ** RO1AI-07489-08 The transmission of toxoplasmosis (cats)
- RO1AI-07805-08 Venereal and congenital infections with Mycoplasma (turkeys)
- RO1AI-08420-07 Pathogenesis of chlamydia polyarthritidis-entertis (cattle, sheep)
- RO1AI-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
- ** RO1AI-10009-03 Epidemiology of parasite infection (ungulates, dogs, chickens)
- RO7AI-10049-15 0002 International center for medical research - Arboviruses in the Changa Manga forest (insects, mammals, amphibians, human)
- ** RO7AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
- ** RO1AI-10842-03 Immunology of larval tapeworm infection
- RO1AI-11201-02 Mosquito-host interrelationships (birds, rabbits, rodents)
- ** RO1AI-11250-02 Transmissible spongiform encephalopathies (mice, monkeys)
- ** RO1CA-06709-12 Avian leukosis complex (poultry)
- PO6RR-00168-13 New England regional primate research center
- PO6RR-00361-08 Reference center for study of primate viruses
- PO6RR-00401-05 Laboratory animal diagnostic laboratory resource (monkeys, rodents, carnivores)
- RO1RR-00700-03 Sialodacryoadenitis in the laboratory rat
- POPULATION STUDIES ANIMAL, LONGITUDINAL STUDY**
- NO1AI-02051-10 Service laboratory for NIH cholera research program (human, dogs, rabbits)
- RO1CA-13127-03 Effects of intracavitary irradiation with CF-252 (swine)
- NO1CM-43702-00 Canine bone marrow transplantation and immunotherapy studies
- PO1DE-02918-06 0001 Oral-facial growth and development in primates - Dental developmental genetics (Papio, Macaca)
- PO1DE-02918-06 0002 Oral-facial growth and development in primates - Prenatal and postnatal craniofacial development (Macaca, Papio)
- PO1DE-02918-06 0004 Oral-facial growth and development in primates - Production and treatment of cleft lip and palate (M mulatta)
- PO1DE-02918-06 0009 Oral-facial growth and development in primates - Effect of inadequate zone of gingiva on periodontium (M mulatta)
- RO1ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
- PO1GM-15422-07 0012 Program project in genetics - Genetic effects of irradiation (rats)
- PO1GM-15422-07 0017 Program project in genetics - Genetic effects of irradiation (Drosophila)
- PO1HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
- RO1HL-16206-01 Atherosclerotic plaque dynamics in non-human primates (monkeys, dogs)
- RO1HL-16478-01 0004 Hemodynamic relations to metabolism in hypertension - Development of labile hypertension and comparison of aging process (rats)
- RO1MH-23008-02 Behavior and ecology of primates (monkeys)
- POPULATION STUDIES ANIMAL, MORBIDITY**
- ** PO1ES-00734-03 Environmental quality-Effects on disease processes
- RO1NS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)
- ** PO6RR-00658-03 Laboratory animal diseases
- RO1RR-00910-01 Primate population studies
- POPULATION STUDIES ANIMAL, MORTALITY**
- SEE ALSO INFANT MORTALITY ANIMAL
- ** PO2CA-13696-02 0069 Clinical cancer research center - Environment and cancer mortality in New York (human, animals)
- RO1DA-00325-02 Narcotic addiction during pregnancy and its sequelae (human)
- PO1ES-00734-03 Environmental quality-Effects on disease processes
- RO1ES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)
- RO1NS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)
- ** PO6RR-00658-03 Laboratory animal diseases
- RO1RR-00910-01 Primate population studies
- POPULATION STUDIES ANIMAL, POPULATION DENSITY**
- PO1CA-13343-02 0015 Environmental cancer - Toxicology-Mouse population studies
- ** RO1ES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)
- RO1EY-00917-03 An avian model for the comparative study of cataracts (quail)
- ** RO1HD-06040-01 Modern control theory applied to population control
- ** RO1HD-06621-03 Population biology (voles)
- ** RO1HD-07545-01 Antecedents and consequences of overcrowding
- ** RO1HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
- ** RO1HD-08468-01 Competition in two species (mice)
- ** RO1MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
- RO1MH-16899-05 Development of behavior and genetics (mice)
- RO1MH-18565-04 Comparative study of social organization (damselfish)
- RO1MH-21675-01 Brain mechanisms of intra-specific fighting in the rat
- ** RO3MH-24483-01 Behavioral environmental effects on sexual maturation (mice)
- POPULATION STUDIES CELL**
- SEE ALSO CELL GROWTH REGULATION
- SEE ALSO CELL MIGRATION
- ** PO1AI-11378-02 0001 Cell biology and chemistry of lymphocytes and lymphocyte products - Quantitation of clonal selection (mice)
- RO1AM-08272-11 Obesity-Dietary, hormonal and genetic determinants (rats)
- RO1AM-08879-09 Liver regrowth after excision-Regulation mechanisms (rat, cattle, dog, chicken)
- ** RO1AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)
- RO1AM-13945-05 Differentiation and immunology of erythropoiesis (chick embryo)
- PO1AM-15515-03 0002 Psoriasis biology, psoriogenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
- ** RO1AM-16124-01 Selective erythrocyte repopulation (human, dogs)
- RO1AM-16126-03 Factors controlling expression of erythropoietic sites (bullfrogs)
- RO1AM-16999-02 Molecular biology of erythroid cell differentiation (mice, rabbits, rats)
- ** PO1AM-17040-01 0002 The basic defect in cystic fibrosis - Growth and cytochemicals of CF cells in vitro (human, Chinese hamster ovary cells)
- RO1AM-17357-01 Effect of exercise on adipose tissue cellularity (rats)
- RO1AM-17403-01 Control metabolism of glucose metabolism in fat cells (rodents, rabbits, human)
- RO1AM-17434-01 Hemopoietic stem cell surface characters (mice, rats)
- P17AM-17624-01 0002 Obesity center - DNA polymerase in adipose tissue of early postnatal rats
- ** P17AM-17624-01 0013 Obesity center - Medium chain triglyceride diet and adipose tissue cellularity (infants, children)
- RO1AM-17660-01 Adipocyte metabolism as related to cell size (rats)
- RO1CA-03353-17 Experimental radiotherapy-Cellular responses in vivo (mice)
- ** RO1CA-05619-12 Interactions in normal and malignant cell populations
- ** PO1CA-08748-09 5102 Research program of Sloan-Kettering Institute - Mathematics of cell population kinetics
- ** RO1CA-10126-08 Mechanisms of transformation by oncogenic viruses
- RO1CA-10367-06 Cell properties related to mitotic control in vitro
- ** RO1CA-10515-07 Kinetics of cell turnover in leukemia (human, mice)
- ** RO1CA-10735-07 Population kinetics of tumors in vivo
- ** PO1CA-10815-06 0013 Consolidated basic cancer research program - Primary response to transplantation antigens (laboratory animals)
- ** PO1CA-10815-06 0014 Consolidated basic cancer research program - Techniques to enrich or deplete lymphocyte populations (laboratory animals)
- RO1CA-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
- ** RO1CA-11189-05 Cell kinetics of human tumors (human, rats)
- RO1CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- ** RO1CA-12104-02 Kinetics of epithelial repair after irradiation (mice)
- RO1CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
- ** PO2CA-13053-03 0064 Clinical cancer radiation therapy research center - Analysis of two cell size distributions
- ** PO2CA-13053-03 0085 Clinical cancer radiation therapy research center - Growth properties in cell population kinetics of murine tumors
- ** RO1CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- ** PO1CA-13330-03 0007 Cancer research program - Cell kinetic studies (human, mice)
- RO1CA-13605-03 Determinants of malignant and embryonic cell behavior (chordates, ctenophores)
- ** RO1CA-13666-02 Colony forming cells in bone marrow (human, mice)
- RO1CA-13955-02 Antigen and surface charge properties of blood cells (human)
- RO1CA-14125-01 A mathematical model for quantitation of cancer cells (mice)
- ** RO1CA-14370-02 Specificity in normal and cancer cell interactions
- RO1CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
- PO1CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Abnormal viral DNA replication
- ** PO1CA-14599-01 0003 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Lymphocyte growth potential
- RO1CA-14730-01 Virus induced leukemic stem cells in mice
- ** RO1CA-14770-01 Human tumor cell kinetics-Effect of treatment
- RO1CA-14828-01 0002 Molecular mechanisms in carcinogenesis - Cell cycle analysis of normal and malignant cells
- ** RO1CA-14874-01 Pulmonary carcinogenesis in fetal and neonatal lung (mice)
- RO1CA-15237-01 Regulation of granulopoiesis (mice, rats)
- ** RO1CA-15511-01 Radiotherapy planning based on cell kinetics (mice)
- RO1CA-15593-01 Computer-assisted analysis of irradiated lymphocytes (mice)
- RO1CA-15594-01 Effects of radiation on replicating endothelial cells (mice)
- ** RO1CA-15619-01 Normal and malignant hematopoietic cell replication (human, rabbits)
- RO1CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
- ** RO1CA-16065-01 Chemical carcinogenesis in the colon (mice)
- ** NO1CB-43899-00 New techniques for the study of cell kinetics of breast cancer
- NO1CB-43904-00 Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman)
- ** NO1CB-43964-00 Human peripheral blood mononuclear cells
- ** NO1CP-33333-02 Identification of cancer cell in vitro
- PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- PI0ES-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)
- PO1ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- ** PO1ES-00842-02 0003 Chronic obstructive lung disease - Pulmonary alveolar cell turnover (rats)
- RO1EY-00444-06 Electron microscope autoradiography of ocular tissues (animals)
- RO1FD-00657-02 Electronic radiography for diagnostic dose reduction
- ** RO1GM-09966-12 Genetic analysis of somatic cell populations (mammals)
- PO1GM-16496-06 0053 Clinical pharmacology-Pharmacokinetics - Spleen-colony assay system for bone marrow and leukemia stem cells (mice)
- PO1GM-19100-03 0008 Genetics research center - Cell cycle related fluorescence staining of chromosomes
- ** RO1GM-19322-03 Release of injurious constituents from cells (rabbits, human)
- PO1GM-19428-03 0006 Computer aided biomedical pattern recognition - Characteristics of normal red cell population (human)
- ** PO1GM-19428-03 0008 Computer aided biomedical pattern recognition - Morphology of red cells as a function of age (mammals)
- PO1GM-19428-03 0010 Computer aided biomedical pattern recognition - Identification of human chromosomes
- PO1HD-03015-08 0013 Program for developmental biology - Dissociated and cultured nerve cells-Growth factors (mice, chickens)
- RO1HD-03326-07 0001 Effects of early nutrition on growth and development - Metabolic studies (human)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1HD-03326-07 0002 Effects of early nutrition on growth and development - Genetic studies (human)
- RO1HD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
- RO1HD-03637-07 Aging and DNA-in vitro studies (mice, rats)
- PO1HD-03803-06 0001 Control mechanism in reproduction and development - Organogenesis and embryonic induction (amphibians, *Drosophila*)
- ** RO1HD-04004-06 0006 Programmed senescence in cultured human cells - Proliferation kinetics and pedigree analysis of human diploid cells
- RO1HD-04004-06 0007 Programmed senescence in cultured human cells - The orgel hypothesis and protein turnover
- ** RO1HD-05136-04 Generation of pattern and form in biological systems
- RO1HD-05272-03 Ultrastructure of multivesicular cells (mice)
- ** RO1HD-05443-03 Circulatory and cellular studies in runt fetal sheep
- PO1HD-05796-03 0008 Aging in connective tissue, brain and auditory system - Olfactory bulb (rats)
- PO1HD-05875-04 0011 Aging mechanisms of in vitro human cell systems - Mitochondria in cell senescence (WI-38)
- ** PO1HD-05875-04 0012 Aging mechanisms of in vitro human cell systems - Turnover of cellular organelles of human cells (WI-38)
- PO1HD-06267-03 0005 Role of biological membranes in aging processes - Plasma membrane of the adipocyte (rats)
- ** PO1HD-06323-03 0003 Cellular senescence and control of cell proliferation - Protein function and its modification by hormones and growth factors (human)
- PO1HD-06323-03 0005 Cellular senescence and control of cell proliferation - Genetic factors and aging of cultured somatic cells (human)
- ** PO1HD-06323-03 0006 Cellular senescence and control of cell proliferation - Transformation studies (human SV40)
- PO1HD-07328-01 0001 Experimental and theoretical studies of cell senescence - Cell systems theoretical study (Ameba, mammals)
- PO1HD-07328-01 0005 Experimental and theoretical studies of cell senescence - Design and development of micromanipulation equipment
- ** RO1HD-07338-01 Aging and biosynthesis in non-dividing cells (mice)
- ** PO1HD-07376-01 0001 Fibroblasts and connective tissues in development - Quantity and chemical nature of collagens in culture (WI-38)
- RO1HD-07548-01 Immunologic impairment in protein-calorie disease (mice)
- ** RO1HD-07879-01 Program of research in population cytogenetics
- PO1HD-08181-01 0001 Cell biology of aging - Intracellular mechanisms in vitro (human, mammals nonhuman)
- PO1HD-08181-01 0002 Cell biology of aging - Extracellular control in vitro (rabbits, rats, human)
- PO1HD-08181-01 0003 Cell biology of aging - Effect of donor age on clonal growth (rabbits)
- PO1HD-08181-01 0004 Cell biology of aging - Genetic control (caenorhabditis)
- PO1HD-08181-01 0005 Cell biology of aging - Environmental control (caenorhabditis)
- ** PO1HD-08181-01 0006 Cell biology of aging - Morphology (caenorhabditis)
- PO1HD-08338-01 0009 Control of male reproduction - Kinetics of initiation and maintenance of spermatogenesis (rats, baboons, human)
- PO1HL-08203-12 0038 Renal homotransplantation in man - Immunologic parameters of bone marrow derived lymphocyte cytotoxicity (mice)
- RO1HL-13237-04 Erythrocytes during early development (human, animals)
- RO1HL-13513-03 Use of cell inhomogeneity to understand cation fluxes (dogs)
- ** P17HL-15061-03 0011 Response of lung to injury - Lung epithelium cell death, proliferation and differentiation after injury (mice)
- RO1HL-15685-02 Erythropoietin in cultures of renal glomeruli (mice, goats)
- ** RO1HL-16714-01 Endothelial cell communication in homeostasis (human, mammals, sharks)
- NO1HR-42959-00 In vitro test for sarcoidosis (human)
- RO1NS-03756-12 Histogenesis in normal and abnormal brain (mice)
- RO1NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
- RO1NS-05136-11 High-speed data acquisition and computer analysis (primates, cats)
- RO1NS-07606-06 Dissociated neural cell nerve growth factor (human, mice, chick embryo)
- RO1NS-09784-03 Effect of epileptogenic drugs on membrane properties (squid)
- RO1NS-09990-01 Undernutrition and the immature nervous system (rats)
- RO1NS-10244-03 Structure of the somatosensory SI neocortex (bats, mice)
- PO1NS-10920-02 0017 Development and regeneration in the nervous system - The response of non-neuronal cells to axotomy (amphibians)
- POPULATION STUDIES HUMAN**
- SEE ALSO ENVIRONMENT, ECOLOGY HUMAN
SEE ALSO FAMILY PLANNING
SEE ALSO GENETICS, POPULATION GENETICS HUMAN
SEE ALSO POPULATION RESEARCH AND TRAINING COMMITTEE
SEE ALSO POPULATION RESEARCH STUDY SECTION
SEE ALSO PREGNANCY, MATERNAL AGE
SEE ALSO SOCIOENVIRONMENT, RESIDENTIAL MOBILITY, MIGRANTS
- ** RO1AA-00498-03 0001 Clinical studies of alcohol use and abuse - Assessing psychotherapeutic and community environments
- RO1AA-00688-01 Alcohol use during pregnancy and pregnancy outcome (human)
- ** RO1CA-13893-02 Lymphoproliferative disorders in New York State (human)
- NO1CP-43255-00 Identification of human populations at risk from N-nitroso compounds
- ** RO1DA-01121-01 A study of drug use among young American males
- M PO1DE-01697-12 Interdisciplinary studies in cleft palate
- ** PO1DE-01697-12 0009 Interdisciplinary studies in cleft palate - Educational, vocational, and marital status of adults with clefts
- ** RO1GM-10452-11 Stochastic models in medicine and biology
- ** PO1GM-15253-08 0050 Genetics in medicine - Gene action in man - Population studies of genetic counseling (Greece)
- PO1GM-15253-08 0051 Genetics in medicine - Gene action in man - Population studies of genetic counseling (Jamaica)
- ** PO1GM-15253-08 0052 Genetics in medicine - Gene action in man - Population studies of genetic counseling (Cyprus)
- PO1HD-04612-06 0025 Mental retardation research center - Development of cognitive competence in ethnic populations
- ** PO1HD-05540-03 0001 Development of the mentally retarded - Population movement
- PO1HD-05798-01 0001 Center for population research award - Economic studies
- PO1HD-05798-01 0002 Center for population research award - Political science studies
- ** PO1HD-05798-01 0003 Center for population research award - Psychology studies
- ** PO1HD-05798-01 0004 Center for population research award - Epidemiology studies
- RO1HD-05852-03 Migration of negroes to the south
- M PO1HD-05941-03 Human development and aging
- ** PO1HD-06268-02 Hopkins population center
- RO1HD-06612-01 Population redistribution policies (human)
- RO1HD-07001-01 Population mathematics (human)
- ** RO1HD-07532-01 Fertility effect of income on various birth orders
- RO1HD-07599-01 Occupation and the economic determinants of fertility
- ** RO1HD-07786-01 Immunological studies in an aging population
- ** RO1HD-07831-01 Survey on worldwide variation in human growth and physique
- ** RO1HD-08587-01 Population regulation in the Swiss Village
- NO1HD-12138-04 Support publication of population index
- NO1HD-12140-05 Marital status and family size
- ** NO1HD-42804-00 'Consequences of reproduction - A utility model of reproductive behavior' (human)
- ** NO1HD-42806-00 Consequences of metropolitan population stability or decline
- PO1HL-08974-10 0019 Natural and experimental atherosclerosis - Comparison of histology of fatty streaks in atherosclerosis (human)
- PO1HL-09814-09 0025 Research program - Cardiovascular and related disease - Correlation between patterns of food use and biological variables (human)
- PO1HL-09814-09 0026 Research program - Cardiovascular and related disease - Physical activity variables in prediction of disease (human)
- P17HL-15103-03 0002 Specialized center of research - arteriosclerosis - Bogalusa family studies - Blood pressure (children)
- NO1HR-32901-02 Smoking and other pollutants in chronic airways obstructions (human)
- NO1HR-42912-00 Population studies on respiratory diseases
- RO1HS-00041-04 An econometric model of medical care market
- ** PO1HS-00110-11 0009 Medical care and patient care research program (human) - Distribution of levels of care
- RO1MH-18168-04 Socio-political aspects of internal migration (India)
- RO1MH-25174-01 Multilingualism in a non-literate culture
- RO1MH-25271-01 Secondary analysis of sex roles data (human)
- PO1MH-25515-01 0013 Collaborative biological research on schizophrenia - Genetic and environmental factors in the development of schizophrenia
- PO1MH-25515-01 0015 Collaborative biological research on schizophrenia - Genetic and biochemical studies on high density schizophrenic pedigrees
- RO1MH-25996-01 Unseen community - Marginal urban population
- ** PO1NS-06663-08 0001 Cerebrovascular clinical research center - Natural history of stroke (human)
- ** RO1NS-06995-04 The epidemiology of stroke (human)
- ** PO7RR-00007-11 0298 Computer processing in biomedical systems - Syndromes clinical variables
- ** MO1RR-00076-12 0088 General clinical research center - Hypertension in East Boston
- ** PO7RR-00267-09 0110 Biomedical data processing unit - Two-sex models of population growth
- POPULATION STUDIES HUMAN, DEMOGRAPHY**
- ** RO1AA-00303-02 Alcoholics among decedents in New York City
- R18AA-00493-02 Problem drinking of urban Indians
- RO1AA-00495-02 Development of a structural evaluation of drunk drivers
- R18AA-01704-01 Pikes Peak alcoholism service division
- R18AA-01745-01 Alcoholism within prepaid group practice HMO's
- NO1AA-10115-07 Monitoring operation of 10 alcoholic treatment centers
- NO1AA-30110-00 Contexts of drinking of alcohol (human)
- ** RO7AI-10050-14 0004 International center for medical research - Social and behavioral sciences (human)
- PO2CA-13696-02 0069 Clinical cancer research center - Environment and cancer mortality in New York (human, animals)
- ** R26CA-13859-03 Administration of the National Bladder Cancer Project
- RO1CA-14974-01 Prognostic factors in lung cancer
- M PO1CA-15655-01 Cancer center support grant
- PO1CA-15655-01 0041 Cancer center support grant - Serum gastrin levels (human)
- R18CA-16401-01 0006 University of Chicago cancer control center - Prototype clinical data center program in cancer control
- NO1CP-33215-01 Epidemiologic study of colon cancer in blacks
- NO1CP-33216-01 Japan-Hawaii cancer study
- ** NO1CP-33261-02 Demographic cancer research and training in Hawaii
- ** NO1CP-43200-00 Third National Cancer Survey
- ** NO1CP-43283-00 Study of time trends in maternal x-ray exposure (human)
- NO1CP-43342-00 Etiology of esophageal cancer in the Caspian Littoral of Iran
- NO1CP-43386-00 Cancer survey in the Puerto Rico area
- NO1CP-90040-08 Dallas-Fort Worth Cancer Survey
- ** NO1CP-90041-13 Third National Cancer Survey
- ** NO1CP-90043-10 Third National Cancer Survey
- NO1CP-90047-11 Third National Cancer Survey
- NO1CP-90049-09 Third National Cancer Survey
- NO1CP-90072-08 Cancer survey in the Puerto Rico area
- ** RO1DA-00054-03 Student drug use and its personality correlates
- ** RO1DA-00831-01 Psychologic and socio-demographic profiles of addicts
- RO1DA-01061-01 Analysis of a three year adolescent drug-use survey
- NO1DA-20132-02 Evaluation of NMH drug abuse community assistance program
- NO1DA-30227-00 Prediction scales of the prevention type in human drug users and abusers
- NO1EY-42167-00 Biostatistical analysis of collaborative glaucoma study (human)
- PO1GM-17173-05 A research program in population genetics (human)
- PO1HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
- ** NO1HD-02187-06 Techniques for demographic analysis
- ** RO1HD-03002-07 Fertility and family planning in Taiwan (human)
- ** RO1HD-04135-06 Developmental-integrative investigation (human)
- RO1HD-04275-04 Genetic studies with record linkage (human)
- RO1HD-04602-05 Goals and conditions of population control (human)
- RO1HD-05255-03 Pre-adult fertility and family formation (young women)
- ** RO1HD-05268-04 Support and expansion of the journal Demography
- RO1HD-05427-03 Rural fertility decline in Northern America (US, Canada)
- ** RO1HD-05585-03 Studies in population change (USSR)
- ** PO1HD-05798-01 0001 Center for population research award - Economic studies
- ** PO1HD-05798-01 0002 Center for population research award - Political science studies
- ** RO1HD-05853-03 Pregnancy, birth control and abortion (human)
- M PO1HD-05876-03 Center for population research
- ** PO1HD-05876-03 0030 Center for population research - Demography of the life cycle
- ** PO1HD-05876-03 0032 Center for population research - Demographic methodology and formal models

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M Grant has subprojects describing specific research aspects.

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- POIHD-05876-03 0033 Center for population research - Problems and policy including legislation
- ** RO1HD-05985-01 Cycles in fertility, mortality and economic conditions (US, Sweden, Britain)
- RO1HD-06084-02 (human) Role definitions and potential for change (human)
- ** RO1HD-06110-03 Urbanization, life style and fertility (Italy, US)
- PO1HD-06132-01 International institute for study of human reproduction (also primates)
- PO1HD-06160-03 Population Research Center (human)
- ** RO1HD-06265-02 Land reform and demography in highland Chiapas, Mexico
- RO1HD-06266-02 Psychological factors and fertility behavior in women
- ** RO1HD-06438-02 Female occupational structure-determinants and trends
- ** RO1HD-06721-03 Conditions of variation and change in fertility (Israel)
- RO1HD-06751-02 Epidemiology of mental retardation-A national study (Netherlands)
- RO1HD-06911-02 Population density and human behavior in Chicago
- RO1HD-07094-01 An open model for population projection
- RO1HD-07161-02 Microeconomic analysis of human fertility behavior
- RO1HD-07186-01 Economic and non-economic determinants of migration
- RO1HD-07397-02 Population study of rural migrants in urban areas
- RO1HD-07410-02 Economic determinants of population distribution (San Francisco)
- ** RO1HD-07552-02 Economic study of fertility decline in postwar Japan
- RO1HD-07565-01 Dynamic 'World system' models
- ** RO1HD-07598-01 Demographic portrait of Spanish-surnamed Californians
- ** RO1HD-07618-01 Human population structure-A computer simulation
- RO1HD-07619-01 Children and inheritance of wealth
- ** RO1HD-07629-02 Population-policy linkages in cities and suburbs
- RO1HD-07645-01 Economic policy in relation to population growth
- ** RO1HD-07682-02 Differential fertility in the United States, 1960-1070
- RO1HD-07817-01 Ethnic politics and population composition
- RO1HD-08031-01 Density and pathology in urban areas
- RO1HD-08454-01 Metropolitan home-work place patterns
- RO1HD-08515-01 Population effects on local expenditures
- RO1HD-08524-01 Family planning program and fertility in UP, India
- RO1HD-08586-01 Population dynamics in preindustrial England
- RO1HD-08624-01 Black childlessness
- NO1HD-12141-02 Study fertility in Poland and the USSR
- NO1HD-12212-02 Women labor force participation and fertility
- ** NO1HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
- ** NO1HD-32799-02 Low-fertility cohorts in the United States
- ** NO1HD-42805-00 Economic and environmental consequences of population change
- ** NO1HD-42807-00 Population growth and employment growth in metropolitan areas
- NO1HD-42855-00 Fertility trends in the US-1917-1972
- RO1HL-11901-07 0009 Heal bypass effect on cholesterol and atherosclerosis - Cholesterol cord blood and family management program
- ** P18HL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)
- RO1HL-15614-02 Heredity and oxygen-Effects on health of bear-lungs (Chile)
- RO1HL-15790-02 Follow-up study of acute coronary heart attacks
- PO1HS-00080-09 0005 Health administration studies - Health policy
- R18HS-00175-05 Automation of a problem-oriented medical record (human)
- P16HS-00429-04 0008 Health services research and development center - Health care of the aged study
- P16HS-00472-06 0007 Health services research center - Basic record systems of health manpower training
- P16HS-00472-06 0009 Health services research center - Producing uniform data for health care plans
- P16HS-00472-06 0011 Health services research center - Cooperation and management in chronic disease (human)
- P16HS-00472-06 0013 Health services research center - Economic evaluation of a health center
- P16HS-00472-06 0025 Health services research center - Patient classification project
- P16HS-00472-06 0037 Health services research center - Health center marketing survey
- P16HS-00472-06 0039 Health services research center - Community-wide hypertension detection and treatment program
- P16HS-00472-06 0046 Health services research center - Emergency room study
- PO1HS-00620-04 0006 Multiple effects of alternative health care services - Study of unmet needs
- R21HS-00856-02 Decision analysis in regional health care planning
- RO1HS-00874-03 Ambulatory health services-Organization, problems and future models
- R21HS-01036-02 Perinatal mortality and health services productivity
- R21HS-01165-02 Time in demand and supply of medical care
- RO1HS-01329-01 Economic determinants of ambulatory care use
- RO1HS-01381-01 Biometric methods for health research data
- RO1HS-01529-01 A systems model for health care delivery
- RO1HS-01577-01 Quality of care and an HMO automated medical record
- R21HS-01585-01 Northwestern University Medical School clinic
- NO1HV-12433-05 Therapy for hypertension in the general population
- NO1HV-50038-19 Analysis of Hawaii Heart Study
- RO1LM-01539-02 Mortality and the medical treatment of slaves
- R27MH-00014-02 Supply and demand factors-allied health educators
- PO1MH-08667-10 0001 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology-Population movement (human)
- ** PO1MH-08667-10 0004 A longitudinal epidemiology of impaired competence - Characteristics of educationally handicapped children
- RO1MH-08957-10 Early drug evaluation in neurotic outpatients
- PO1MH-11668-09 0101 Psychosocial factors in health and disease - Diagnostic criteria of conversion
- PO1MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
- PO1MH-13002-06 0023 Clinical and laboratory studies of affective disorder - Unwanted pregnancy, abortion and affective disorders
- PO1MH-13369-07 Program for research in psychiatric sociology
- RO1MH-16621-05 Social mobility in Philadelphia
- RO1MH-18168-04 Socio-political aspects of internal migration (India)
- RO1MH-19589-01 Comparative study of communal living arrangements
- RO1MH-19649-03 The impact of mental illness on the family (human)
- NO1MH-20065-01 Evaluation of child advocacy projects
- RO1MH-21204-02 Comparative historical study of urban public order
- ** RO1MH-21273-02 Studies on suicide and suicide attempts in Monroe County
- RO1MH-22035-01 Ethnic survey program
- RO1MH-22407-02 Intra-urban migration determinants-Boston 1870-1970
- RO1MH-22563-01 Folk healers and community mental health programming
- RO1MH-22575-01 Divorce, role and health status and service systems
- RO1MH-23030-02 Structure, functions, and impact on urban communes
- RO1MH-23786-01 Changing urban family roles
- RO1MH-23993-01 A study of Asian American communities in Chicago
- RO3MH-24039-01 Determinants of migration (St. Bartholomew)
- RO1MH-24180-01 Certification of suicide deaths in the United States
- RO1MH-24597-01 Chicano drop-outs in higher education
- RO1MH-24807-01 Marriage, female roles, and marital disruption
- RO1MH-24819-01 A short term developmental study of children at risk
- RO1MH-24887-01 Attitudes of married women towards work and families
- RO1MH-25311-01 Gene-environment interactions and criminality
- ** RO1MH-25484-01 Causal models of small southern city change-1960-70
- RO3MH-25567-01 Administration of juvenile justice-Comparative analysis (Brazil, United States)
- ** RO3MH-25749-01 The demography of depopulation
- RO1MH-25860-01 Social predictors of American mobility 1875-1915
- RO3MH-25891-01 Relative deprivation, militancy and aspirations
- RO3MH-26042-01 Replication of research on a metropolitan area (human)
- RO1MH-26092-01 Dangerousness and psychiatric commitment study
- RO1MH-26154-01 Economic change and social pathologies in urban area
- PO1MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia
- NO1MH-40026-00 Improvement in state mental hospital utilization
- NO1MH-40077-00 Methodological study for long-term care
- NO1MI-44139-00 Study of rural physicians in twenty rural Missouri counties
- PO1MS-06229-09 0002 Cerebrovascular diseases program - Nationwide cerebrovascular disease mortality and morbidity study (human)
- PO1MS-06229-09 0012 Cerebrovascular diseases program - Epidemiologic study of presenile and senile dementia (human)
- NO1MS-42310-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42311-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42312-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42313-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42314-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42315-00 Feasibility study for comprehensive epilepsy program
- NO1MS-42316-00 Development of a comprehensive epilepsy center (human)
- NO1MS-42317-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42318-00 Feasibility study for a comprehensive epilepsy program (human)
- NO1MS-42319-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42320-00 Feasibility study for a comprehensive epilepsy program
- NO1MS-42336-00 Incidence, prevalence and costs of intracranial neoplasms
- RO2NU-00463-02 A care-cure problem-Dying in teaching hospitals
- RO2NU-00480-01 Psychosocial factors in illness outcome
- POPULATION STUDIES HUMAN, EPIDEMIOLOGY**
- SEE ALSO CARDIOVASCULAR DISORDERS EPIDEMIOLOGY
- SEE ALSO DIAGNOSTIC SERVICES, MASS SCREENING
- SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
- SEE ALSO MENTAL HEALTH EPIDEMIOLOGY
- SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
- SEE ALSO NERVOUS DISORDERS EPIDEMIOLOGY
- M R18AA-00177-03 Epidemiology of alcoholism in Latin America
- ** R18AA-00177-03 0001 Epidemiology of alcoholism in Latin America - Drinking patterns and alcoholism in Latin America
- R12AA-00209-07 0001 Washington University Alcoholism Research Center - Aging, suicide, and alcoholism-Comparison between Whites and Blacks
- R12AA-00209-07 0002 Washington University Alcoholism Research Center - Alcoholism and criminality (women)
- R12AA-00209-07 0003 Washington University Alcoholism Research Center - Psychiatric illness in siblings of chronic alcoholics
- R12AA-00209-07 0004 Washington University Alcoholism Research Center - Genetic studies in alcoholism (human)
- R12AA-00209-07 0006 Washington University Alcoholism Research Center - Psychological and physicochemical correlates of alcoholic blackouts
- ** R12AA-00209-07 0013 Washington University Alcoholism Research Center - Vietnam drug use and alcoholism
- ** R01AA-01209-01 Epidemiology and pathology study of alcohol sudden death (human)
- NO1AA-30072-00 Alcohol consumption and coronary heart disease
- ** R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- R01AI-01528-18 New viruses in relation to clinical disease
- R01AI-04059-13 0001 Viral respiratory diseases - Characterization of viruses causing common respiratory diseases in man
- R01AI-06197-11 Micrometeorology and ecology of parasitic nematodes (sheep)
- ** R01AI-06311-09 Epidemiology of E coli infections (human, rats)
- ** R01AI-08648-06 Pathogenesis and epidemiology of simian viruses (primates)
- R01AI-09251-05 Amebic (Acanthamoeba) meningoencephalitis (human, mice)
- R01AI-09527-10 Prospective study of skin infections and nephritis (children)
- ** R01AI-09775-04 Rhinovirus immunology and epidemiology (human, rabbits)
- R07AI-10048-14 0001 International center for medical research - Respiratory virus research and hypothesis of epidemiology (human)
- R07AI-10049-15 0002 International center for medical research - Arboviruses in the Changá Maanga forest (insects, mammals, amphibians, human)
- R07AI-10049-15 0003 International center for medical research - Ecology and vectors of rickettsial infection in West Pakistan (tick, mice, human)
- R07AI-10049-15 0005 International center for medical research - Epidemiology and vector patterns in East Pakistan (human, mosquitoes, helminths)
- R07AI-10049-15 0010 International center for medical research - Genetics and vectors of malaria in Brazil (mosquitoes)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R07AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
- ** R07AI-10050-14 0003 International center for medical research - Infectious diseases and epidemiology (bacteria, fungi, human)
- ** R07AI-10051-14 International center for medical research and training (human, animals)
- R01AI-10085-10 Streptococcal immunity, rheumatic fever and nephritis (human)
- ** R01AI-10252-04 Varicella-Epidemiology and pathogenesis (human, monkeys)
- ** R22AI-10269-03 Filariase of man in primates
- ** R01AI-10529-03 Identification of host blood in arthropods
- R01AI-10586-03 Epidemiology of HAA-positive viral hepatitis (human)
- ** R01AI-10943-02 Studies on leishmaniasis in Ethiopia
- ** R01AI-10980-02 Rheumatogenic and nephritogenic infections (human)
- R01AI-10984-03 World reference center for arboviruses (mice)
- P01AI-11132-03 0003 Prevention or control of arbovirus infections - Rhabdovirus epidemiology improved techniques (rodent, rabbit, human)
- ** R01AI-11168-03 A genetic approach to the study of N gonorrhoeae (human)
- R01AI-11217-02 A new human papova virus (hamsters, guinea pigs, rabbits)
- ** R22AI-11253-02 Epidemiological studies of latent rabies infections (rodents, carnivores)
- R01AI-11363-02 Mycoplasmas in venereal infections (human)
- R01AI-11829-01 Infectivity and interrelationships of coronaviruses (human)
- R01AI-11865-04 Enteropathogen of Clostridium perfringens (human, primate, rabbit, guinea pig)
- R01AI-11950-01 Control of hospital-acquired urinary tract infections (human)
- R01AI-12123-01 Epidemiologic relation to multiple sclerosis to virus
- M P01AI-12192-01 Venereal disease research
- ** R01AI-12219-01 Streptococcal epidemiology and immunity (rabbits, human)
- ** N01AI-22513-03 Efficacy of dodecavalent pneumococcal vaccine
- ** N01AI-32517-03 Surveillance of pneumococcal infection and evaluation of vaccines
- ** N01AI-32522-01 Hepatitis study center
- N01AI-42528-01 Establishment of an influenza research center
- ** N01AI-42548-00 Incidence of diarrhea caused by enterotoxin producing E coli (human)
- ** N01AI-42549-00 Incidence of diarrhea caused by enterotoxin producing E coli (human)
- P02AM-05577-13 0004 Clinical research unit in rheumatic diseases - Epidemiology of rheumatoid arthritis and related diseases (human)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** R01AM-12049-08 Experimental program in rheumatoid arthritis (human)
- R22AM-13066-06 Bladder stone disease in Thailand (human)
- R01AM-15317-03 Oculocutaneous pigment defects, blocks and treatment (human, rabbit, guinea pigs)
- R01AM-15936-03 Liver disease in Australia antigen positive donors (human)
- P01AM-16716-01 0027 Pathophysiological bases of muscle diseases - Hormonal, biochemical and muscle capillary abnormalities in diabetes (human)
- P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
- P17AM-17047-01 0001 Diabetes-endocrinology research center - Core facilities
- R01AM-17050-01 Arthritis and rubella infection (human)
- R01AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
- ** P17AM-17328-01 0014 Peptic ulcer center - Diagnosis, treatment and prevention of peptic ulcer (human)
- P17AM-17328-01 0015 Peptic ulcer center - Causes of relapse of duodenal ulcer (human)
- R10CA-03526-17 Childrens cancer study group A
- ** P01CA-06373-12 Epidemiologic studies of cancer (human)
- ** P02CA-07357-10 0008 Special children's cancer center program - Epidemiology of acute leukemia
- ** P02CA-08023-10 0069 Cancer clinical research center - Missouri cooperative tumor registry
- P01CA-10893-06 0017 Cancer Research Center - Herpesvirus and cervical cancer
- ** P01CA-11531-05 Core program in biometrics of cancer epidemiology
- ** P01CA-11535-05 Social epidemiology in prevention of cancer (human)
- ** P02CA-12247-03 0001 Pediatric oncology center - Epidemiology
- M P01CA-12707-03 Cancer epidemiology program grant
- ** P01CA-12707-03 0002 Cancer epidemiology program grant - Cervix cancer (human)
- ** P01CA-12707-03 0003 Cancer epidemiology program grant - Stomach cancer (human)
- ** P01CA-12707-03 0004 Cancer epidemiology program grant - Leukemia-lymphoma-multiple myeloma (human)
- ** P01CA-12707-03 0005 Cancer epidemiology program grant - Surveillance (human)
- ** P01CA-12707-03 0006 Cancer epidemiology program grant - Record linking (human)
- ** P02CA-13148-03 0050 Pilot cancer center - Model cancer epidemiological service
- ** P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- ** P01CA-13556-03 Core program-genetical epidemiology of cancer
- ** P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
- ** P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
- P02CA-13696-02 0058 Clinical cancer research center - Neoplasia-Related project in progress (human)
- R26CA-14140-02 Administration of the National Colorectal Cancer Project
- P01CA-14236-01 Comprehensive cancer center support grant
- ** R26CA-14241-02 Artificial sweeteners in bladder cancer (human)
- R10CA-14438-02 Western cancer study group
- ** P02CA-14520-02 0006 Wisconsin Clinical Cancer Center - Genetic and epidemiologic factors in high risk cancer (human)
- R01CA-15506-02 Isolation of molluscum contagiosum virus (human)
- P01CA-15655-01 0036 Cancer center support grant - Paraneoplastic endocrine syndromes-Screening project (human)
- P01CA-15655-01 0040 Cancer center support grant - Neoplastic response to 5-fluorouracil therapy (human)
- P01CA-15655-01 0041 Cancer center support grant - Serum gastrin levels (human)
- ** P01CA-15704-01 0032 Cancer center support grant - Biostatistics-epidemiology
- ** R26CA-15950-01 Case-control bladder tumor morbidity study (human)
- ** N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- ** N01CB-33915-01 Collection of sera from populations with high cancer risk (human)
- ** N01CB-33921-01 Chronic mastopathy and breast cancer
- ** N01CB-44002-00 Biochemical and physiological investigations in familial genetic patterns
- N01CN-35027-02 Evaluation of thermography in mass screening for breast cancer (human)
- N01CP-02076-14 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
- N01CP-12050-05 OCR processing of Third National Cancer Survey
- N01CP-12324-04 Premalignant lesions in the large intestine
- ** N01CP-33246-02 Center for epidemiologic investigation of cancer
- N01CP-33285-03 Selection and ranking of environmental chemicals
- ** N01CP-33326-03 Epidemiology and etiology of breast cancer
- N01CP-33344-03 Develop population based cancer registry
- ** N01CP-33350-01 Data on cancer incidence and prevalence
- ** N01CP-33351-01 Cancer incidence study and registry assessment
- ** N01CP-33353-02 Study of cancer in Japanese migrants
- N01CP-33400-01 Specimens from pediatric oncology patients and families
- ** N01CP-43200-00 Third National Cancer Survey
- ** N01CP-43213-00 Study of smoking and mortality among veterans
- N01CP-43247-00 Shifts in cancer risks among Norwegian migrants
- ** N01CP-43384-00 Immunodeficiency-cancer registry
- N01CP-45616-00 Workshop on the geochemical environment in relation to health and disease
- ** N01CP-81030-11 Etiology and epidemiology of human cancer
- ** N01CP-90041-13 Third National Cancer Survey
- ** N01CP-90043-10 Third National Cancer Survey
- ** N01CP-90047-11 Third National Cancer Survey
- ** N01CP-90049-09 Third National Cancer Survey
- ** R01DA-00048-04 Epidemiologic field team for drug dependence (Chicago)
- ** P01DA-00250-03 0016 Research center-Studies of drug dependence and abuse - Epidemiologic studies in drug dependence
- R01DA-00666-01 Epidemiologic studies of heroin addicts
- R01DA-00800-01 The worlds of work and drugs
- ** R25DA-00969-01 Indian drug abuse research
- ** R01DA-01054-01 Drug abuse among Indian adolescents
- R01DA-01061-01 Analysis of a three year adolescent drug-use survey
- P01DA-01073-01 Center, theoretical social research on drug abuse
- P01DA-01097-01 0005 Center for socio-cultural research on drug use - Anthropological studies
- ** P01DA-01097-01 0011 Center for socio-cultural research on drug use - Copping area response to 1973 New York State law
- P01DA-01097-01 0015 Center for socio-cultural research on drug use - Comparative study of drug behavior in Israel
- P01DA-01097-01 0017 Center for socio-cultural research on drug use - Study of opinion leads
- R18DA-01103-01 Ethnicity, socialization and multiple drug use
- N01DA-30239-00 Study and report on research in area of children and drug abuse
- ** N01DA-40170-00 Design of and participation in a CENTO conference
- P01DE-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
- ** P01DE-01770-12 0003 Oral pathology - Epidemiology of minor congenital abnormalities of head and neck (human)
- ** P01DE-02552-08 0001 Microbial pathogenesis of human dental caries - Epidemiology
- P01DE-02872-05 0020 Craniofacial anomalies - Natural history of congenital palate-pharyngeal incompetence
- R01DE-04062-01 The effect of major genes on the human dentition
- ** N01DE-22003-05 Study dental caries etiology in Papua, New Guinea
- P10ES-00002-12 0002 Occupational and environmental health - Environmental causes of congenital defect
- P10ES-00002-12 0004 Occupational and environmental health - Fire fighters
- P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
- P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- R01ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
- R01ES-00819-01 Perinatal manipulation of neuroendocrine development (woman, rats)
- M P10ES-00928-01 Environmental agents-Relation to human health effects
- P10ES-00928-01 0001 Environmental agents-Relation to human health effects - Silicate dusts and concurrent smoking
- P10ES-00928-01 0002 Environmental agents-Relation to human health effects - Organic dusts among furriers and concurrent smoking
- P10ES-00928-01 0003 Environmental agents-Relation to human health effects - Silica exposure with alkalies and acids-Abrasive soap pneumoconiosis (human)
- P10ES-00928-01 0004 Environmental agents-Relation to human health effects - Less common cancers in asbestos workers-Multiple factor etiology
- P10ES-00928-01 0005 Environmental agents-Relation to human health effects - Benzopyrene exposure, sunlight and skin cancer (human)
- P10ES-00928-01 0006 Environmental agents-Relation to human health effects - Exposure to titanium dioxide-Cancer risk in humans
- P10ES-00928-01 0007 Environmental agents-Relation to human health effects - Cancer risk due to occupational exposure to carbon black
- P10ES-00928-01 0008 Environmental agents-Relation to human health effects - Inorganic microparticles and colon cancer (human)
- P10ES-00928-01 0011 Environmental agents-Relation to human health effects - Carcinogenicity of isoniazid (human)
- P10ES-00928-01 0012 Environmental agents-Relation to human health effects - Low-level, intermittent occupational exposure to talc dust
- P10ES-00928-01 0014 Environmental agents-Relation to human health effects - Epoxy exposure among painters
- P10ES-00928-01 0015 Environmental agents-Relation to human health effects - Low level exposure to polychlorinated biphenyls (human)
- ** P10ES-00928-01 0019 Environmental agents-Relation to human health effects - Lung burden of talc among urban dwellers (human)
- P10ES-00928-01 0021 Environmental agents-Relation to human health effects - Carbon disulfide-Relation to coronary disease and atherosclerosis (human)
- P10ES-00928-01 0022 Environmental agents-Relation to human health effects - Low-level trace metal and carcinogenic hazard in humans
- P10ES-00928-01 0023 Environmental agents-Relation to human health effects - Asbestos lung burden in environmental mesothelioma (human)
- P10ES-00928-01 0026 Environmental agents-Relation to human health effects - Mesothelioma in U.S. shipyards
- P10ES-00928-01 0027 Environmental agents-Relation to human health effects - Mesothelioma in New Jersey, 1973-1975 (human)
- P10ES-00928-01 0028 Environmental agents-Relation to human health effects - Microparticle lung burden in emphysema and bronchitis (human)
- P10ES-00928-01 0029 Environmental agents-Relation to human health effects - Inorganic microparticles in lungs of smokers and non-smokers
- P10ES-00928-01 0031 Environmental agents-Relation to human health effects - Inorganic microparticles in brain tissue (human)

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- P10ES-00928-01 0038 Environmental agents-Relation to human health effects - Bakers' asthma-Extrinsic allergic alveolitis
- P10ES-00928-01 0039 Environmental agents-Relation to human health effects - Pulmonary disease associated with welding fumes (human)
- ** P10ES-00928-01 0040 Environmental agents-Relation to human health effects - Exposure to industrial chemicals (human)
- ** P10ES-00928-01 0041 Environmental agents-Relation to human health effects - Pulmonary disease contributing to death of other causes (human)
- RO1EY-00119-04 Lacrimal gland factors influencing secretion (human, rabbits)
- RO1EY-00186-20 Viral keratoconjunctivitis and related disorders (human)
- RO1EY-00219-14 Prevention of trachoma (human, primates, rabbits)
- RO1EY-00427-05 Analysis of problems in ocular inflammatory disease (human, rabbits)
- RO1EY-00674-03 Diagnosis and management of Fusarium keratomycosae (monkeys)
- ** RO1EY-00812-10 Prevention of trachoma and infectious diseases (human, guinea pigs, monkeys)
- ** RO1EY-00938-03 Ocular disease of viral etiology (mice, rats)
- NO1EY-42167-00 Biostatistical analysis of collaborative glaucoma study (human)
- RO1FD-00634-11 Neoplasms in irradiated human populations
- RO1FD-00654-03 F2 effects from x-ray of human female fetuses
- M P01GM-14231-09 Natural history of heart, cancer, stroke in a population
- P01GM-14231-09 0007 Natural history of heart, cancer, stroke in a population - Ischemic heart disease (human)
- P01GM-14231-09 0018 Natural history of heart, cancer, stroke in a population - Bacterial meningitis (human)
- P01GM-14231-09 0022 Natural history of heart, cancer, stroke in a population - Diabetes mellitus
- P01GM-14231-09 0023 Natural history of heart, cancer, stroke in a population - Cholelithiasis and cholecystitis
- P01GM-14231-09 0024 Natural history of heart, cancer, stroke in a population - Appendectomy and subsequent malignancy
- P01GM-14231-09 0025 Natural history of heart, cancer, stroke in a population - Carcinoma of kidney and ureter
- P01GM-14231-09 0026 Natural history of heart, cancer, stroke in a population - Carcinoma of urinary bladder
- P01GM-14231-09 0027 Natural history of heart, cancer, stroke in a population - Pancreatic carcinoma
- P01GM-14231-09 0028 Natural history of heart, cancer, stroke in a population - Large bowel polyps and risk of colorectal cancer
- P01GM-14231-09 0029 Natural history of heart, cancer, stroke in a population - Ankylosing spondylitis
- P01GM-21054-01 0010 Human genetics center - Hereditary deafness
- NO1HB-22909-02 Detection systems for cytomegalovirus transmitted in blood (human)
- NO1HB-22912-04 Relationship of blood transfusion to cytomegalovirus infection and disease
- ** NO1HB-22929-07 Safety of blood therapy research studies (human)
- ** NO1HB-22961-04 Safety of blood therapy research studies (human, primates)
- ** RO1HD-00622-10 Human chromosomal defects- Epidemiology and etiology
- P01HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
- ** P01HD-01799-09 0049 Mental retardation research center - Social ecology research unit
- ** P01HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
- M P01HD-03693-06 Pathogenesis of chronic infections
- P01HD-03693-06 0001 Pathogenesis of chronic infections - Pathogenesis of pyelonephritis (human, rats)
- ** P01HD-03693-06 0002 Pathogenesis of chronic infections - Maternal health and epidemiology (human)
- P01HD-03693-06 0003 Pathogenesis of chronic infections - Blood pressure in children and origins of essential hypertension (human)
- ** P01HD-03693-06 0006 Pathogenesis of chronic infections - Genital mycoplasmas
- P01HD-04510-06 0003 Center for research in human development - Center for community studies
- RO1HD-05665-03 Relocation in old age-Health and psychosocial impact
- ** P01HD-05671-03 0014 Center for population research - Evaluation of contraceptives and epidemiological aspects of abortion (human)
- ** P01HD-05798-01 0004 Center for population research award - Epidemiology studies
- P01HD-06224-02 Center for the study of aging and human development
- RO1HD-06265-02 Land reform and demography in highland Chiapas, Mexico
- ** P01HD-06276-03 0008 Mental retardation research program - Epidemiology of white matter abnormalities in infants (human)
- ** P01HD-06276-03 0009 Mental retardation research program - Postnatal maturation of neurons in infants (human)
- P01HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
- ** P01HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesis
- P01HD-06276-03 0089 Mental retardation research program - Subclinical lead exposure (children)
- RO1HD-07559-01 Group B streptococci in perinatal disease (human, rats, rabbits)
- RO1HD-08407-01 Reproduction in women whose red cells contain hemoglobin S
- NO1HD-32710-04 Contraceptive drug study
- NO1HD-42817-00 Analysis of major cause of infant death syndrome (human)
- NO1HD-42845-00 Evaluation of the effects of contraceptives (human)
- NO1HD-51014-14 Study human menstrual cycle
- RO1HL-03726-15 Immunologic relation of streptococcal antigen and heart (human, rabbits)
- ** RO1HL-04697-15 International heart disease epidemiology (human)
- P01HL-09011-11 0005 A research and resource program in blood - Virology (human, rats, insects, chimpanzees)
- ** P01HL-09011-11 0018 A research and resource program in blood - Laboratory of epidemiology
- M P01HL-09814-09 Research program- Cardiovascular and related disease
- ** P01HL-09814-09 0004 Research program- Cardiovascular and related disease - Chronic respiratory disease (human)
- ** P01HL-09814-09 0005 Research program- Cardiovascular and related disease - Rheumatoid arthritis (human)
- P01HL-09814-09 0011 Research program- Cardiovascular and related disease - Habitual physical activity, work capacity and exercise physiology (human)
- ** P01HL-09814-09 0012 Research program- Cardiovascular and related disease - Data analysis
- P01HL-09814-09 0024 Research program- Cardiovascular and related disease - Changes in physiological variables and development of chronic disease (human)
- ** P01HL-09814-09 0028 Research program- Cardiovascular and related disease - Occupational mobility as related to risk factors and health and disease
- ** P01HL-09814-09 0029 Research program- Cardiovascular and related disease - Employment stability as related to risk factors and health and disease
- P01HL-09814-09 0034 Research program- Cardiovascular and related disease - Well-being and health factors
- P01HL-09814-09 0035 Research program- Cardiovascular and related disease - Life-change study (human)
- P01HL-09814-09 0037 Research program- Cardiovascular and related disease - New risk factors associated with chronic respiratory disease (human)
- ** P01HL-09814-09 0044 Research program- Cardiovascular and related disease - Studies of abnormal glucose tolerance in apparently normal men
- P01HL-09814-09 0045 Research program- Cardiovascular and related disease - Relationship of alcohol intake to serum lipid concentration (human)
- RO1HL-12833-05 Genetic and environmental influences on lung disease (human)
- ** P17HL-14136-04 0001 Obstructive lung diseases - Abnormalities of mechanics in GOLD (human, dogs)
- P17HL-14136-04 0003 Obstructive lung diseases - Acute pediatric respiratory disease and GOLD
- P17HL-14141-04 0001 SCOR for atherosclerosis in childhood - Clinical implications (infants and children)
- ** P17HL-14141-04 0002 SCOR for atherosclerosis in childhood - Intrauterine environment of proband group (human)
- ** P17HL-14153-04 0001 Johns Hopkins Lung Center - Genetic and environmental factors in chronic pulmonary disease (human)
- P17HL-14153-04 0003 Johns Hopkins Lung Center - Pulmonary function studies (human)
- M P17HL-14174-04 Atherosclerosis behavioral and epidemiological studies
- ** P17HL-14174-04 0001 Atherosclerosis behavioral and epidemiological studies - Epidemiology component (human)
- P17HL-14196-04 0011 Lipids, thrombosis and genetics in atherosclerosis - Genetics as a risk factor in ischemic heart disease (human)
- ** P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
- ** P17HL-14230-04 0007 Lipids, atherosclerosis and thrombosis - Genetic and epidemiological evaluation of hyperlipidemia among children (human)
- ** P17HL-14237-04 0005 Arteriosclerosis center - Hyperlipoproteinemia in a defined population (human)
- ** RO1HL-14928-03 Cardiac function and prognosis of coronary disease (human)
- ** RO1HL-15024-03 Microbial interaction in acute respiratory disease (human, hamster)
- M P17HL-15092-03 Occupational environmental pulmonary disease center
- ** P18HL-15158-03 0023 Comprehensive sickle cell disease center - Clinical and hematological studies (human)
- P18HL-15161-03 0006 Comprehensive sickle cell disease center - Morbidity of sickle cell trait (human)
- P18HL-15163-03 0009 Comprehensive sickle cell disease center - The high incidence of pneumococcal infections in sickle cell anemia (human, mice)
- P18HL-15169-03 0012 Comprehensive sickle cell disease center - Evaluation of the incidence of cholelithiasis in sickle cell disease (human)
- ** P17HL-15389-03 0003 Wisconsin Pulmonary Disease Research Center - Epidemiology of hypersensitivity pneumonitis (human, bacteria)
- ** RO1HL-15779-01 Aspiration pneumonia-Pathophysiology and treatment (dogs)
- ** P18HL-16005-01 0002 Comprehensive sickle cell center of the University of Chicago - Phenotype variability and interaction of hemoglobins (human)
- P01HL-16769-01 0007 Pathobiology and host defense reactions in the lung - Immunogenetic factors in sarcoidosis (human)
- NO1HR-12221-04 Alpha 1 antitrypsin deficiency and chronic respiratory disease (human)
- NO1HR-22944-02 Host factors as determinants of chronic obstructive pulmonary disease (human)
- NO1HR-32906-01 Population studies on respiratory diseases
- ** NO1HR-42912-00 Population studies on respiratory diseases
- ** NO1HR-42913-00 Population studies on respiratory diseases
- P01HS-00110-11 0051 Medical care and patient care research program (human) - Usefulness of a health questionnaire
- R18HS-00175-05 Automation of a problem-oriented medical record (human)
- ** RO1HS-00368-12 Human population laboratory for epidemiologic studies
- RO1HS-00422-05 Ecology of migrant peoples-Mississippi
- ** P16HS-00472-06 0027 Health services research center - Chronic respiratory disease studies (human)
- P16HS-00472-06 0032 Health services research center - Child health demonstration-Framingham (human)
- ** P01HS-00620-04 0005 Multiple effects of alternative health care services - Goals for 1973
- RO1HS-01577-01 Quality of care and an HMO automated medical record
- RO1HS-01653-01 Analysis of utilization of a comprehensive HMO
- NO1HV-02074-05 Study onset of myocardial infarction and sudden death
- NO1HV-12156-04 Lipid research clinic (human)
- ** NO1HV-12442-07 Therapy for hypertension in the general population
- NO1HV-12479-04 Sudden cardiac death and myocardial infarction (human)
- NO1HV-32973-05 Coordinating center for collaborative studies on coronary artery surgery
- ** NO1HV-50038-19 Analysis of Hawaii Heart Study
- NO1HV-51003-13 Data collection in clinical pathology and morbid anatomy
- RO1LM-02024-01 Chigger mites of the world-Leptotrombidium complex
- ** P01MH-08667-10 0001 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology-Population movement (human)
- ** P01MH-08667-10 0002 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology-Western interstate commission (human)
- ** R12MH-09239-07 International study of schizophrenia
- ** NO1MH-10032-00 Field test of an epidemiologic assessment of community mental health
- ** P01MH-13002-06 0019 Clinical and laboratory studies of affective disorder - Onset of affective disorders in a normal population
- P01MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
- P01MH-13002-06 0035 Clinical and laboratory studies of affective disorder - Follow-up of adolescents with affective disorders
- ** RO1MH-15900-05 Evaluating Southern mental health needs and services (Florida)
- P01MH-16674-06 0039 A program of psychiatry-oriented biological research - Monozygotic concordance and heritability in schizophrenia
- RO1MH-17367-03 Community impact of suicide prevention services
- ** RO1MH-18438-05 Etiology and prognosis in childhood psychosis (human)
- RO1MH-18857-02 Offspring of psychotic women (Sweden)
- ** P01MH-19966-03 0001 Psychiatric epidemiology research unit and two field studies - Psychiatric epidemiology research unit
- P01MH-19966-03 0002 Psychiatric epidemiology research unit and two field studies - Statistics and data processing
- P01MH-19966-03 0003 Psychiatric epidemiology research unit and two field studies - Psychiatric epidemiology literature profiles

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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- PO1MH-19966-03 0004 Psychiatric epidemiology research unit and two field studies - Dutchess County field station and population laboratory
- PO1MH-19966-03 0005 Psychiatric epidemiology research unit and two field studies - Dutchess County register
- PO1MH-19966-03 0006 Psychiatric epidemiology research unit and two field studies - Washington Heights field station
- ** PO1MH-19966-03 0007 Psychiatric epidemiology research unit and two field studies - Chronic hospitalization
- ** PO1MH-19966-03 0009 Psychiatric epidemiology research unit and two field studies - Master Sample Survey III (human)
- ** PO1MH-19966-03 0011 Psychiatric epidemiology research unit and two field studies - Lundby prevalence and incidence analysis (human)
- ** PO1MH-19966-03 0013 Psychiatric epidemiology research unit and two field studies - Depression survey
- ** NO1MH-20206-00 Epidemiologic study of mortality associated with mental disorders
- RO1MH-20708-03 Prevalence of psychological distress and help-seeking
- RO1MH-20712-03 Adoption studies on affective disorder (human)
- R12MH-20745-03 Insurance and linking the insured to a MH care system
- ** RO1MH-21273-02 Studies on suicide and suicide attempts in Monroe County
- RO1MH-21811-01 Human predicaments and human services
- RO1MH-22035-01 Ethnic survey program
- ** PO1MH-22836-02 Children and families vulnerable to mental disorders
- ** RO1MH-24152-01 Epidemiology of and intervention for children at risk
- ** RO1MH-24588-01 A genetic epidemiologic study of presenile dementia
- ** RO3MH-24717-01 Coding and disposition of psychosocial illness
- RO1MH-25311-01 Gene-environment interactions and criminality
- RO1MH-25431-01 Epidemiology of acceptance of mental health services
- ** NO1MH-30238-00 Epidemiology
- M PO1NS-03346-13 Research center for cerebrovascular disease
- ** RO1NS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
- ** PO1NS-06208-09 0019 Epilepsy research program - Precipitating and inhibiting factors in epilepsy (human)
- M PO1NS-06229-09 Cerebrovascular diseases program
- ** PO1NS-06229-09 0001 Cerebrovascular diseases program - Clinical evaluation of population sample with symptoms suggestive of TIA
- ** PO1NS-06229-09 0012 Cerebrovascular diseases program - Epidemiologic study of presenile and senile dementia (human)
- ** PO1NS-06779-06 0002 Cerebrovascular clinical research center - Epidemiologic studies (human)
- ** PO1NS-08802-05 0010 Cerebrovascular disease research center - Prospective stroke epidemiology
- ** PO1NS-10164-02 0002 Regional spinal cord trauma center grant - Epidemiological research (human)
- PO1NS-10164-02 0004 Regional spinal cord trauma center grant - Statistical analysis
- ** PO1NS-11455-05 Herpesvirus hominis encephalitis (human, rabbits, mice)
- NO1NS-22319-02 Risk factors for stroke
- NO1NS-42321-00 Study of multiple sclerosis in Scotland
- NO1NS-42334-00 Head and spinal cord injury (human)
- ** NO1NS-42335-01 Incidence, prevalence and costs of multiple sclerosis (human)
- ** NO1NS-42337-00 Detection of TIA in an elderly community (human)
- NO1NS-80004-12 Research in pregnancy factors and resultant child outcome
- NO1NS-80006-10 Research in pregnancy factors and resultant child outcome
- NO1NS-80007-10 Perinatal research project
- NO1NS-80009-12 Perinatal research project
- NO1NS-80010-08 Perinatal research project
- NO1NS-80011-11 Perinatal research project
- NO1NS-80012-13 Perinatal research project
- NO1NS-80013-08 Perinatal research project
- NO1NS-80014-08 Perinatal research project
- NO1NS-80017-12 Pregnancy factors and resultant child outcome
- ** RO2NU-00463-02 A care-cure problem-Dying in teaching hospitals
- ** RO1OH-00306-14 Farmers lung-An experimental investigation (human, guinea pigs)
- ** RO1OH-00369-02 Epidemiology of respiratory disease in firefighters
- RO1OH-00511-02 Byssinosis (human, rabbits, guinea pigs, hamsters)
- PO7RR-00003-13 0030 Medical data processing research - Epidemiological model
- ** PO7RR-00003-13 0036 Medical data processing research - Cancer states
- MO1RR-00047-14 0076 General clinical research center - Epidemiology and immunology of hepatitis B antigen carrier state (human)
- ** MO1RR-00050-13 0053 Wilson's disease - Incidence of hypertension in a high school population
- MO1RR-00051-13 0070 General clinical research center - Liver disease in Australia antigen positive blood donors
- MO1RR-00064-10 0029 General clinical research center - Bile composition on taking oral contraceptive medication (human)
- MO1RR-00069-12 0095 General clinical research center, children - Treatment of heavy metal poisoning
- MO1RR-00069-12 0096 General clinical research center, children - Treatment of pesticide poisoning
- ** MO1RR-00073-12 0060 General clinical research center - Familial occurrence of Australia antigen (human)
- MO1RR-00076-12 0057 General clinical research center - Epidemiology of mycoplasma during pregnancy (human)
- ** MO1RR-00076-12 0089 General clinical research center - Health effects of exposure to automobile exhaust (human)
- MO1RR-00080-12 0090 General clinical research center - Aspects of bronchiolitis (human)
- PO6RR-00169-13 Operation of the National Center for Primate Biology
- ** PO7RR-00267-09 0098 Biomedical data processing unit - Stochastic simulation of virus epidemics
- MO1RR-00722-02 0009 General Clinical Research Center - Familial and genetic factors in inflammatory bowel disease (human)
- ** MO1RR-00722-02 0019 General Clinical Research Center - New genetic disorders (human)
- POPULATION STUDIES HUMAN, LONGITUDINAL STUDY**
- RO1AA-00185-03 Drinking and social stress in driving of young adults
- R12AA-00209-07 Washington University Alcoholism Research Center
- R12AA-00209-07 0002 Washington University Alcoholism Research Center - Alcoholism and criminality (women)
- R12AA-00209-07 0005 Washington University Alcoholism Research Center - State-dependent effects of alcohol in chronic alcoholics
- ** RO1AA-00275-04 Longitudinal study of changes in drinking problems (human)
- RO1AA-00311-03 0001 Metabolic and psychological factors in alcoholism - Recovery of slow wave sleep during alcohol abstinence
- RO1AA-00311-03 0004 Metabolic and psychological factors in alcoholism - Sleep and cognitive characteristics during normal drinking and abstinence
- ** RO1AA-00311-03 0012 Metabolic and psychological factors in alcoholism - Follow up studies (human)
- RO1AA-00456-03 Prediction of outcome in alcoholics
- R18AA-00457-03 Community reinforcement for treating alcoholics
- RO1AA-00496-03 Self-help techniques in the treatment of alcoholics
- R18AA-00824-02 Children of alcoholics
- RO1AA-01372-01 Natural history of alcohol abuse (urban males)
- R18AA-01675-01 Rockland County comprehensive alcoholism service programs
- RO1AJ-01528-18 New viruses in relation to clinical disease
- RO1AJ-03638-14 Bacteriology and serology of pyelonephritis (human)
- PO2AM-06320-10 0001 Transplantation immunology center - Advantages of using blood processed by freezing
- RO1AJ-06578-10 Therapy of isoniazid resistant mycobacterioses (human)
- RO1AJ-09527-10 Prospective study of skin infections and nephritis (children)
- RO7AJ-10049-15 0006 International center for medical research - Viral hepatitis sequelae in Pakistani soldiers (human)
- RO7AJ-10050-14 0001 International center for medical research - Nutrition and metabolism (human)
- RO7AJ-10050-14 0004 International center for medical research - Social and behavioral sciences (human)
- RO7AJ-10051-14 International center for medical research and training (human, animals)
- RO1AJ-10695-03 Epidemiology of Mycoplasma pneumoniae infections (human)
- ** RO1AJ-10894-03 Hepatitis, HAA and anti-HAA in mothers and infants
- RO1AJ-11788-04 Responses to rubella virion and subunit vaccines (human, monkeys, rabbits)
- PO1AJ-12192-01 0006 Veneral disease research - CMV, HSV, chlamydia, cohort study of infection and disease
- NO1AJ-42527-00 Evaluate human interferon in disseminated varicella-zoster infections
- RO1AM-00888-19 Prediction and long-term study of future diabetes (human)
- RO1AM-04401-14 Relation of treatment to diabetic complications (human)
- RO1AM-04403-14 Relation of treatment to diabetic complications (human)
- RO1AM-04412-14 Relation of treatment to diabetic complications (human)
- RO1AM-04495-14 Relation of treatment to diabetic complications (human)
- RO1AM-04837-14 Diet and mental development in galactosemia (human)
- RO1AM-05422-13 Relation of treatment to diabetic complications (human)
- RO1AM-05648-14 Relation of treatment to diabetic complications (human)
- RO1AM-06737-12 Relation of treatment to diabetic complications (human)
- RO1AM-06739-12 Relation of treatment to diabetic complications (human)
- RO1AM-06744-12 Relation of treatment to diabetic complications (human)
- RO1AM-06876-12 Relation of treatment to diabetic complications (human)
- RO1AM-06971-12 Immunology of gastrointestinal diseases (human, dogs, guinea pigs)
- RO1AM-07601-11 Relation of treatment to diabetic complications (human)
- RO1AM-07854-11 Relation of treatment to diabetic complications
- ** RO1AM-07912-10 Creighton University bone research center (woman)
- RO1AM-09113-11 Relation of treatment to diabetic complications (human)
- RO1AM-09128-10 Interhospital cooperative studies of cirrhosis (human)
- RO1AM-09252-10 Serum triglycerides and diabetic complications (human)
- R22AM-09380-09 0004 Infantile diarrhea and malnutrition (Peru, Baltimore) - Late effects of malnutrition (human)
- RO1AM-10672-09 Immunology of renal diseases (children, adults)
- PO1AM-11290-08 Pathophysiology of organ transplant (human)
- R22AM-12105-05 Gastrointestinal functions of PCM children (and hamsters)
- PO2AM-13083-06 0001 Organ transplantation - Clinical studies of renal transplantation
- PO2AM-13083-06 0072 Organ transplantation - Studies in tissue typing and matching
- PO2AM-13083-06 0078 Organ transplantation - Human antibodies cytotoxic for lymphocytes
- PO1AM-13084-10 0004 Clinical homotransplantation of tissues and organs - Study of psychiatry (human)
- RO1AM-14490-04 Cyclophosphamide in nephrotic syndrome of childhood
- RO1AM-15391-04 Cooperative studies in rheumatoid arthritis (human)
- RO1AM-15646-03 The adult idiopathic nephrotic syndrome (human)
- RO1AM-15736-03 Physiology of operations for portal hypertension (human, dogs)
- RO1AM-15755-03 Correlative prospective study of lupus nephropathy (human)
- RO1AM-15936-03 Liver disease in Australia antigen positive donors (human)
- RO1AM-16011-03 Immunologic adaptation to human renal allografts (human)
- RO1AM-16431-02 0001 Gastritis induced by intestinal juices - Effects of intestinal juices on whole stomach preparations (dogs)
- RO1AM-16431-02 0002 Gastritis induced by intestinal juices - Effects of exposure of antrum to intestinal contents (dogs)
- RO1AM-16461-01 Prevention of secondary osteoarthritis of the hip (human)
- RO1AM-16497-02 0024 Normal and disordered thyroid hormone economy - Natural history of the toxic diffuse goiter in graves' disease (human)
- RO1AM-16514-02 Longitudinal study of skeletal status in women
- RO1AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
- P17AM-17046-01 0003 Diabetes endocrinology center - Follow up of newly diagnosed diabetics (children)
- P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
- P17AM-17047-01 0001 Diabetes-endocrinology research center - Core facilities
- RO1AM-17329-02 Human rod cell, antibody and complement interactions
- RO1AM-17581-01 Studies of pancreas transplantation (rats, hamsters)
- P17AM-17624-01 0011 Obesity center - Jejunum ileal shunt in morbid obesity (human)
- P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
- NO1AM-42216-00 Multivariate analysis of dialysis efficacy, relation to access methods (human)
- NO1AM-42218-00 Serum lipid and lipoprotein abnormalities in chronic renal failure
- RO1CA-03358-17 Cooperative breast cancer group
- RO1CA-03360-17 Cooperative breast cancer group
- RO1CA-03364-17 Cooperative breast cancer group
- RO1CA-03526-17 Childrens cancer study group A
- RO1CA-03740-16 Cooperative breast cancer group (human)
- RO1CA-03764-16 Cooperative breast cancer group
- RO1CA-04594-14 Cooperative breast cancer group

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(contd)

- P02CA-05826-13 0086 Clinical cancer research center - Pediatric oncology-hemangioma
- P02CA-06294-13 0014 Radiotherapy research - Treatment with the electron beam
- P01CA-06373-12 Epidemiologic studies of cancer (human)
- P02CA-06519-12 0052 Radiation therapy and biology research program - Followup on radiotherapy of Hodgkins disease
- P02CA-06519-12 0055 Radiation therapy and biology research program - Radiation therapy of carcinoma of prostate
- P02CA-06973-12 0023 Integrated clinical cancer research program - Immunochemistry-Plasma cell dyscrasia (human)
- R10CA-12027-04 Headquarters-Surgical adjuvant breast group
- ** R10CA-12032-03 Primary breast cancer therapy group
- P02CA-12247-03 0006 Pediatric oncology center - Skin testing and clinical immunology
- P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- R10CA-12483-04 Gynecologic oncology group
- P01CA-12707-03 0001 Cancer epidemiology program grant - Prostate cancer (human)
- P01CA-12707-03 0002 Cancer epidemiology program grant - Cervix cancer (human)
- P01CA-12707-03 0003 Cancer epidemiology program grant - Stomach cancer (human)
- P01CA-12707-03 0004 Cancer epidemiology program grant - Leukemia-lymphoma-multiple myeloma (human)
- P01CA-12707-03 0007 Cancer epidemiology program grant - Colon cancer (human)
- P02CA-13053-03 0006 Clinical cancer radiation therapy research center - Radiation therapy in prostate carcinoma (human)
- P02CA-13148-03 0022 Pilot cancer center - Silent chronic congenital infections in cancer production (humans)
- P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- R01CA-13435-02 Effects of therapeutic radiation on lymphocyte response (human)
- R10CA-13457-02 Radiation therapy oncology group
- P02CA-13696-02 0002 Clinical cancer research center - Multiple myeloma and related plasma cell dyscrasia (human)
- ** P02CA-13696-02 0013 Clinical cancer research center - Lymphocyte reaction in cancer (human)
- P02CA-13696-02 0034 Clinical cancer research center - Retinoblastoma (human)
- P02CA-13696-02 0070 Clinical cancer research center - Leukemia birth clusters (human)
- R01CA-13811-02 Disability and mortality as measures of cancer (human)
- R10CA-14060-02 Radiation therapy oncology group
- P01CA-14131-02 Exploratory studies in cancer research (human)
- R10CA-14571-02 Surgical adjuvant renal cell carcinoma (human)
- P01CA-14599-01 0027 University of Chicago Cancer Research Center - Treatment of non-metastatic breast cancer (human)
- P01CA-14599-01 0030 University of Chicago Cancer Research Center - Cancer vulnerability in ulcerative and granulomatous colitis (human)
- P01CA-14599-01 0032 University of Chicago Cancer Research Center - Immunological studies in ulcerative colitis (human)
- P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma
- R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- R01CA-14705-01 Radioiodine uptake and imaging in the human breast
- R26CA-14925-02 Families at high risk of colorectal cancer
- R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer
- R01CA-14955-02 Follow-up study of thorotrast patients
- R26CA-15107-02 Chemotherapy for national prostatic cancer project (human)
- R26CA-15108-02 Chemotherapy of advanced prostatic cancer (human)
- R26CA-15284-02 Chemotherapy for patients with prostatic cancer
- R26CA-15407-02 Chemotherapy of prostatic cancer
- R26CA-15421-02 Chemotherapy for advanced prostatic cancer (human)
- R26CA-15437-01 Carcino-fetal antigens in prostatic cancers (human)
- R26CA-15442-01 Specificity of cell membrane antigens in prostatic cancer (human, rodents)
- R01CA-15459-02 Psychological effects of cranial irradiation (human)
- P01CA-15655-01 0035 Cancer center support grant - Early diagnosis of skin cancer by ultraviolet video techniques (human)
- P01CA-15655-01 0036 Cancer center support grant - Paraneoplastic endocrine syndromes-Screening project (human)
- P01CA-15655-01 0041 Cancer center support grant - Serum gastrin levels (human)
- R26CA-15798-01 Histopathological grading of carcinoma of prostate (human)
- R26CA-15804-01 Histological grading of prostatic carcinoma (human)
- ** P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
- P01CA-15936-01 0015 Specialized Cancer Center - Psychological aspects of cancer (human)
- R18CA-16402-01 0001 Cancer control development grant - Model referral system for cancer therapy (adults, children)
- R18CA-16419-01 Evaluation of impact of cancer control programs
- ** R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
- N01CB-23231-02 Provide patient input for primary breast cancer study
- ** N01CB-23232-02 Patient input for primary breast cancer study
- N01CB-92172-09 Early detection, localization and therapy of lung cancer (human)
- N01CP-23286-03 Study of late effects of cancer therapy
- N01CP-43336-00 Epidemiologic studies in etiology of cancer in veterans
- N01CP-43379-00 Cervical neoplasia and human herpes simplex virus type 2
- R01DA-00043-05 A study of teen-age drug behavior
- ** R01DA-00048-04 Epidemiologic field team for drug dependence (Chicago)
- ** R01DA-00054-03 Student drug use and its personality correlates
- R01DA-00064-03 Family processes in adolescent drug use
- ** R01DA-00065-04 Drugs and personality (children)
- ** R01DA-00083-04 Addiction careers of San Antonio addicts
- ** R01DA-00084-02 Effects of long term drug dependence (human)
- R01DA-00137-03 Drug use related to college and career achievement
- R01DA-00738-01 Psycho-social precursors of heroin use in Puerto Rico
- R25DA-00818-01 Early drug abuse intervention
- R01DA-00886-01 Street and clinic experiences of Black opiate users
- R01DA-00975-01 Treatment for substance abuse program dropouts
- P01DA-01097-01 0004 Center for socio-cultural research on drug use - Health and psychosocial factors in drug behavior
- P01DA-01097-01 0010 Center for socio-cultural research on drug use - Critical panel study
- ** P01DA-01097-01 0013 Center for socio-cultural research on drug use - Follow up studies of high school students
- P01DA-01097-01 0017 Center for socio-cultural research on drug use - Study of opinion leads
- ** R01DA-01120-01 Vietnam veterans three years later
- N01DA-30239-00 Study and report on research in area of children and drug abuse
- ** N01DA-40092-00 Model for long-term cure facilities
- ** P01DE-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
- ** P01DE-01697-12 0005 Interdisciplinary studies in cleft palate - Air bone gap in cleft palate patients
- ** P01DE-01697-12 0011 Interdisciplinary studies in cleft palate - Early ear management effect upon speech and language development
- ** P01DE-01697-12 0012 Interdisciplinary studies in cleft palate - Comparison of two surgical techniques (human)
- ** P01DE-01697-12 0020 Interdisciplinary studies in cleft palate - Behavioral studies of otitis media
- P01DE-01697-12 0026 Interdisciplinary studies in cleft palate - Children with simple palatal closure compared to those with lengthening
- P01DE-01899-12 0002 Habitiation of the cleft palate individual - Orthodontics (human)
- M P02DE-02172-10 Oral-facial communicative disorders
- P02DE-02172-10 0004 Oral-facial communicative disorders - Speech and hearing (children)
- P02DE-02172-10 0005 Oral-facial communicative disorders - Psychology and sociology (human)
- P01DE-02552-08 0002 Microbial pathogenesis of human dental caries - Microbiology
- P01DE-02847-06 0006 Microbial ecology and its relation to dental disease - Microbiota associated with coronal caries (human)
- R01DE-02862-09 Growth and development of the human head
- ** P01DE-02872-05 0015 Craniofacial anomalies - Longitudinal study in complete unilateral cleft lip and palate (human)
- P01DE-02872-05 0023 Craniofacial anomalies - Premature craniofacial sphenostoses (human)
- P01DE-02872-05 0029 Craniofacial anomalies - Speech and hearing testing (children, young adults)
- ** P01DE-02873-06 Facial and dental growth in pre and post adolescents
- R01DE-03336-04 Curies susceptibility tests (human)
- R01DE-03343-03 Longitudinal face and dentition data (human)
- R01DE-03472-03 Patterns of dentocraniofacial growth and maturation
- R01DE-03504-06 Clinical study of dental materials and techniques (human, monkeys)
- M P01DE-03568-01 Craniofacial anomalies-etiology and treatment
- P01DE-03695-02 0008 Occlusion research program - Clinical and laboratory support (human)
- R23DE-03874-01 Immune aspects of recurrent aphthous ulcers (human)
- N01DE-12375-07 Study topical use of acidified NH4 F versus acidified Na F (human)
- N01DE-22005-04 Longitudinal study of chlorhexidine (human)
- P10ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
- P10ES-00002-12 0003 Occupational and environmental health - Workers exposed to toluene diisocyanate
- P10ES-00210-07 0015 Center for environmental management - Skin cancer and arsenic in Lane County, Oregon
- P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
- P10ES-00260-12 0021 Research in the environmental health sciences - Longitudinal study of lead poisoning in children
- R01ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
- R01EY-00186-20 Viral keratoconjunctivitis and related disorders (human)
- R01EY-00284-09 Growth environmental refractive changes (human, primates)
- P01EY-00331-08 0005 Retinal morphology, function and clinical characteristics - Morphology and function (human, rats, rabbits)
- P01EY-00336-08 0015 CLINICAL STUDENT OF GLAUCOMA - Unilateral epinephrine (human)
- P01EY-00336-08 0016 CLINICAL STUDENT OF GLAUCOMA - Unilateral field loss (human)
- P15EY-00338-09 0001 A study of macular disease - Cystoid macular edema after cataract extraction (human)
- P15EY-00338-09 0003 A study of macular disease - Drusen and senile disciform macular degeneration
- P15EY-00338-09 0004 A study of macular disease - Follow-up study of patients with the presumed ocular histoplasmosis syndrome
- P15EY-00338-09 0006 A study of macular disease - Natural course of retinal vein obstruction (human)
- P15EY-00492-08 Ophthalmic OPD clinical research project (human)
- P01EY-00523-13 0001 Sensory disease clinical research center (eye disorders) - Retinitis pigmentosa (human)
- P01EY-00523-13 0003 Sensory disease clinical research center (eye disorders) - Psychiatric and ocular evaluation of children with ocular conversion reactions
- P01EY-00523-13 0006 Sensory disease clinical research center (eye disorders) - Photocoagulation in treatment of retinal diseases (human)
- ** P01EY-00523-13 0009 Sensory disease clinical research center (eye disorders) - Natural course of branch vein occlusions (human)
- ** P01EY-00523-13 0021 Sensory disease clinical research center (eye disorders) - Peripheral retinopathies-Natural course and effect of photocoagulation (human)
- R01EY-00643-02 Collaborative diabetic retinopathy study (human)
- R01EY-00648-01 Collaborative study of diabetic retinopathy (human)
- R01EY-00650-01 Collaborative diabetic retinopathy study (human)
- R01EY-00944-03 An experimental approach to maculopathy (primates)
- R01EY-01034-01 Collaborative study of diabetic retinopathy (human)
- R01EY-01037-01 Collaborative diabetic retinopathy study (human)
- R01EY-01046-01 Collaborative study of diabetic retinopathy (human)
- N01EY-42128-02 Diabetic retinopathy study
- N01EY-42142-02 Diabetic retinopathy study (clinic)
- N01EY-42167-00 Biostatistical analysis of collaborative glaucoma study (human)
- N01EY-42170-00 Diabetic retinopathy-clinical center (human)
- N01EY-42171-00 Diabetic retinopathy study (clinical center) (human)
- N01EY-42172-00 Diabetic retinopathy
- N01EY-42173-00 Diabetic retinopathy study-clinical center (human)
- R01FD-00634-11 Neoplasms in irradiated human populations
- P01GM-11301-12 0009 Structure, function and biosynthesis of macromolecules - Molecular and cellular mechanisms of morphogenesis
- M P01GM-14231-09 Natural history of heart, cancer, stroke in a population
- P01GM-14231-09 C*07 Natural history of heart, cancer, stroke in a population - Ischemic heart disease (human)
- P01GM-14231-09 0018 Natural history of heart, cancer, stroke in a population - Bacterial meningitis (human)
- P01GM-14231-09 0022 Natural history of heart, cancer, stroke in a population - Diabetes mellitus
- P01GM-14231-09 0023 Natural history of heart, cancer, stroke in a population - Cholelithiasis and cholecystitis (contd)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1GM-14231-09 0024 Natural history of heart, cancer, stroke in a population - Appendectomy and subsequent malignancy
- PO1GM-14231-09 0025 Natural history of heart, cancer, stroke in a population - Carcinoma of kidney and ureter
- PO1GM-14231-09 0026 Natural history of heart, cancer, stroke in a population - Carcinoma of urinary bladder
- PO1GM-14231-09 0027 Natural history of heart, cancer, stroke in a population - Pancreatic carcinoma
- PO1GM-14231-09 0028 Natural history of heart, cancer, stroke in a population - Large bowel polyps and risk of colorectal cancer
- PO1GM-14231-09 0029 Natural history of heart, cancer, stroke in a population - Ankylosing spondylitis
- PO1GM-15253-08 0028 Genetics in medicine-Gene action in man - Thalassemia
- PO1GM-15253-08 0049 Genetics in medicine-Gene action in man - Clinical genetics in Childrens Orthopedic Hospital
- PO1GM-15253-08 0050 Genetics in medicine-Gene action in man - Population studies of genetic counseling (Greece)
- PO1GM-15253-08 0051 Genetics in medicine-Gene action in man - Population studies of genetic counseling (Jamaica)
- PO1GM-15253-08 0053 Genetics in medicine-Gene action in man - Frequency and significance of genetic hyperlipoproteinemia
- PI1GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- PI1GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
- PO1GM-17369-05 Normal profile study (human)
- PO1GM-19443-03 0006 Problems in clinical genetics - Impact and consequences of genetic counseling
- PO1GM-19443-03 0025 Problems in clinical genetics - Role of surfactant in the respiratory distress syndrome of the newborn (human)
- PO1GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
- PO1GM-19489-03 0032 Study of human genetics - Hemoglobinopathies, particularly sickle cell anemia
- PO1GM-21054-01 0011 Human genetics center - Genetic counseling in Down's syndrome
- RO1HD-00157-13 Variation during child growth (human)
- M RO1HD-00325-18 Longitudinal and related psychohormonal studies
- PO1HD-00434-13 A longitudinal study of skeletal growth of pretermatures (human)
- RO1HD-00505-15 Transplacental passage of fetal erythrocytes (human)
- RO1HD-00622-10 Human chromosomal defects-Epidemiology and etiology
- PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- PO1HD-00668-16 0009 Aging and the aged - Immunologic studies of older humans
- RO1HD-00737-10 Clinical and laboratory studies on rubella (human, ferrets, gerbils)
- PO1HD-00781-11 0009 Studies on prematurity - Long term outcome of preterm and small size infants (human)
- RO1HD-01687-09 Pathogenesis of infection in human maldevelopment
- PO1HD-01795-09 0048 Mental retardation research center - Developmental disabilities program
- RO1HD-02228-08 Family socialization and development competence
- PO1HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
- PO1HD-02274-08 0154 Mental retardation and child development - Follow-up of children with viral meningitis
- PO1HD-02274-08 0156 Mental retardation and child development - Down's syndrome longitudinal study
- PO1HD-02274-08 0160 Mental retardation and child development - Adjustment of children in special learning classes
- PO1HD-02274-08 0161 Mental retardation and child development - Children with Prader-Willi syndrome
- PO1HD-02528-08 0087 Research center in mental retardation - Fetal growth and its postnatal correlates (human)
- RO1HD-03002-07 Fertility and family planning in Taiwan (human)
- PO1HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
- PO1HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children
- PO1HD-03008-07 0017 Cognition and motivation in the retarded - Evaluation of educational intervention programs
- PO1HD-03008-07 0030 Cognition and motivation in the retarded - Biology and competence
- PO1HD-03110-07 0023 Child development and mental retardation - Longitudinal study on evaluation of infants
- PO1HD-03110-07 0038 Child development and mental retardation - Growth of lung function in children
- PO1HD-03326-07 0001 Effects of early nutrition on growth and development - Metabolic studies (human)
- PO1HD-03352-07 0033 Wisconsin center on mental retardation - Milwaukee high-risk population laboratory
- PO1HD-03617-06 Intergenerational studies of development and aging (human)
- PO1HD-03693-06 0001 Pathogenesis of chronic infections - Pathogenesis of psoriasis (human, rats)
- PO1HD-03693-06 0002 Pathogenesis of chronic infections - Maternal health and epidemiology (human)
- PO1HD-03693-06 0003 Pathogenesis of chronic infections - Blood pressure in children and origins of essential hypertension (human)
- R22HD-03942-07 Nutrition and development of children in rural areas (Mexico)
- RO1HD-04004-06 0003 Programmed senescence in cultured human cells - Assessment of phase III as a function of mean lifespan (rodents, chicken)
- RO1HD-04128-06 Intervention and critical periods in moral development (human)
- PO1HD-04335-06 0002 Brain-behavior relationships in mental retardation - Neonatal and follow-up studies of high-risk human neonates
- PO1HD-04510-06 0006 Center for research in human development - Research alliance with HWCR institute in Jerusalem (human)
- RO1HD-04675-03 Nature of growth in the non-pubescent child
- RO1HD-04753-05 Factors in youth predisposing to chronic diseases
- RO1HD-05079-04 Clinical and chromosomal variation in 11,000 children
- RO1HD-05080-04 Clinical and chromosomal variation in 1900 children
- RO1HD-05255-03 Pre-adult fertility and family formation (young women)
- RO1HD-05354-04 Four preschool programs-Dimension and effects-II
- PO1HD-05540-03 0004 Development of the mentally retarded - Measurement of adaptive behavior
- PO1HD-05540-03 0005 Development of the mentally retarded - Environmental effects on intellectual development
- PO1HD-05796-03 0006 Aging in connective tissue, brain and auditory system - Assessment of auditory behavior (rats)
- RO1HD-05902-04 Aging in monkeys
- PO1HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
- RO1HD-05952-03 Follow-up of abortion or motherhood in adolescence
- RO1HD-06209-03 Gonadotropin release and biological rhythms (women, men)
- PO1HD-06224-02 Center for the study of aging and human development
- PO1HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
- PO1HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesis
- PO1HD-06276-03 0022 Mental retardation research program - Sex chromosomes abnormalities and behavior variation
- PO1HD-06276-03 0023 Mental retardation research program - Acquired aphasia, acute infantile hemiplegia (children)
- RO1HD-06279-03 Fertility extended familism and lifestyle in Cameroon
- RO1HD-06314-03 Crib death and development of cardiopulmonary reflexes (human)
- PO1HD-06438-02 Female occupational structure-determinants and trends
- RO1HD-06554-01 Growth of the human fetus-Longitudinal study
- RO1HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
- RO1HD-06792-03 Effect of sibling position on fertility rates (human)
- RO1HD-06832-03 Chromosome mutations in infants and children
- RO1HD-07032-01 Malnutrition and behavioral development in monkeys
- RO1HD-07186-01 Economic and non-economic determinants of migration
- RO1HD-07200-01 Heritability and mental development
- RO1HD-07214-02 Long-term complications of induced abortions
- M PO1HD-07256-03 Child health and development studies
- PO1HD-07256-03 0005 Child health and development studies - Infant mortality (human)
- PO1HD-07256-03 0007 Child health and development studies - Growth (human)
- RO1HD-07397-02 Population study of rural migrants in urban areas
- RO1HD-07403-02 Indications for tonsillectomy and adenoidectomy
- PO1HD-07667-01 Follow-up of eclamptic and of rheumatic cardiac women
- RO1HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
- RO1HD-07806-01 Marital intensity-A clinical and cross-cultural study
- PO1HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
- RO1HD-07924-01 The relationship of infant growth to adolescent obesity (human)
- RO1HD-07929-01 Linear growth and puberal maturation-Role of adrenal (human)
- RO1HD-08074-01 Prediction of failures in contraceptive planning
- RO1HD-08112-01 Socioeconomic determinants of US post-war natality
- PO1HD-08240-01 0003 Developmental processes in children at risk for MR - Speech and language in infants-Prediction of behavior at school age
- PO1HD-08240-01 0006 Developmental processes in children at risk for MR - Acquisition of information organizing strategies
- PO1HD-08315-01 0002 Biochemical, genetic and other studies in retardation - Brain development in offspring following supplementation of maternal diet (rats)
- RO1HD-08458-01 Cognitive behavior in maturity and old age
- RO1HD-08694-01 Auditory function in infancy (human)
- RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- RO1HD-08958-01 Growth and diet in vegan and omnivore children
- M RO1HD-08966-01 Early diagnostic studies of aberrant development
- PO1HD-08966-01 0006 Early diagnostic studies of aberrant development - Behavior studies-Neonatal evaluation and follow-up (human)
- PO1HD-12299-10 Study cervical cytology in contraceptive users
- NO1HD-12450-05 National amniocentesis registry
- NO1HD-12452-04 National amniocentesis registry
- NO1HD-22747-04 National amniocentesis registry
- NO1HD-22748-03 National amniocentesis registry
- NO1HD-22777-03 Developmental phenomena and the occurrence of SIDS (human)
- NO1HD-22778-03 Developmental phenomena and the occurrence of SIDS (human)
- NO1HD-42810-00 Developmental phenomena and the occurrence of SIDS (human)
- NO1HD-42844-00 Parental attitudes and children's personality
- NO1HD-42864-00 Steroid hormones on sebaceous gland secretion and on development of acne
- NO1HD-50640-14 Study of nutrition and development
- NO1HD-92180-13 Prevention of prematurity and developmental disorders (human)
- RO1HL-00851-23 Experimental cardiac surgery (human)
- RO1HL-03429-15 Central nervous system and coronary heart disease (human)
- RO1HL-03509-17 Cellular defects in nocturnal hemoglobinuria (human)
- PO1HL-04697-15 International heart disease epidemiology (human)
- RO1HL-05933-15 Applied pulmonary physiology (human)
- PO1HL-06285-14 0149 Cardiovascular-respiratory physiology and biochemistry - Microangiopathy in prediabetic and diabetic subjects
- PO1HL-06312-13 0013 Surgical cardiology - Aortocoronary vein bypass grafting (human)
- PO1HL-06336-14 0050 Cardiovascular program project - Longitudinal study of coronary disease (human)
- PO1HL-06349-13 0007 Cardiovascular disease clinical program project - Follow up of 1000 physicians and nurses
- PO1HL-06664-13 0016 Cardiopulmonary function in remediable vascular disease - Direct coronary artery surgery-Development of a non-invasive technique (human)
- RO1HL-07796-12 Antecedents of clinical coronary heart disease (human)
- PO1HL-08203-12 0001 Renal homotransplantation in man - Clinical results of renal homotransplantation in man
- RO1HL-08481-11 Data pooling project-Coronary disease and risk factors (human)
- RO1HL-08789-08 Respiratory muscles and ventilatory mechanics in man
- RO1HL-08798-10 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-08889-10 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-08891-10 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-09474-10 Natural history-congenital heart defects-Joint study (human)
- RO1HL-09476-09 Natural history, congenital heart defects-Joint study
- RO1HL-09477-09 Natural history of congenital heart defects-Joint study (human)
- RO1HL-09478-09 Natural history congenital heart defects-Joint study (human)
- RO1HL-09479-09 Natural history congenital heart defects-Joint study (human)
- RO1HL-09752-10 Cooperative study of renal disease and hypertension (human)
- PO1HL-09814-09 0001 Research program - Cardiovascular and related disease - Fasting serum lipid levels, glucose tolerance and insulin curves (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R21HS-01565-02 The informative process in medical care (human)
- R21HS-01585-01 Northwestern University Medical School clinic
- R18HS-01613-01 Laboratory for development of health information system
- R01HS-01623-01 Family investment in child health
- ** NO1HV-12158-05 Establishment of a lipid research clinic (human, mammals non-human)
- NO1HV-12161-05 Establishment of lipid research clinic (human)
- ** NO1HV-12243-05 Lipid clinic patient registry and coordinating center
- NO1HV-12438-07 Therapy for hypertension in the general population
- NO1HV-12440-08 Therapy for hypertension in the general population (human)
- ** NO1HV-12441-08 Study hypertension in general population
- NO1HV-12474-04 Sudden cardiac death and myocardial infarction
- NO1HV-12479-04 Sudden cardiac death and myocardial infarction (human)
- NO1HV-12481-05 Cardiac arrhythmias and sudden cardiac death (human)
- NO1HV-12482-03 Sudden cardiac death and myocardial infarction (human)
- NO1HV-42985-00 Natural history of blood pressure from infancy into adulthood (human)
- NO1HV-71439-08 Myocardial infarction research unit (human, mammals nonhuman)
- NO1HV-71441-09 Myocardial infarction research unit (human)
- NO1HV-71444-08 Myocardial infarction research unit
- NO1HV-81331-08 Myocardial infarction research unit (human, mammals nonhuman)
- NO1HV-81332-09 Myocardial infarction research (human, mammals)
- R01MH-02238-15 Childrens achievement development
- R01MH-03859-13 0001 Developmental-interactive aspects of hypnosis - Developmental aspects of hypnosis
- R01MH-04618-12 Psychotherapy of psychiatric outpatients
- R01MH-05683-12 Childhood psychopathology process and overt symptomatology
- R01MH-05753-13 Growth and family patterns in childhood schizophrenia
- R01MH-06275-12 Social and psychological factors in status attainment (human)
- R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
- ** P01MH-08667-10 0006 A longitudinal epidemiology of impaired competence - Visually limited-Retarded study (human)
- ** P01MH-08667-10 0015 A longitudinal epidemiology of impaired competence - Riverside community study-Retardates
- R01MH-08744-10 Coping behavior in schizophrenia
- R12MH-09239-07 International study of schizophrenia
- R01MH-10179-09 Regulation of food intake (monkeys)
- R01MH-11299-10 Emotion and pulmonary function in asthma (human)
- P01MH-11668-09 0001 Psychosocial factors in health and disease - Behavior and gastric secretion in gastric fistula subjects
- P01MH-11668-09 0006 Psychosocial factors in health and disease - Permanent cardiac pacemakers
- P01MH-11668-09 0007 Psychosocial factors in health and disease - Identical twins with leukemia
- P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
- P01MH-11668-09 0016 Psychosocial factors in health and disease - Elective abortions
- P01MH-11668-09 0031 Psychosocial factors in health and disease - Grieving-A ten year study after multiple deaths from accident
- P01MH-11668-09 0036 Psychosocial factors in health and disease - Behavioral correlations of carcinomatous changes in cervix
- P01MH-11668-09 0057 Psychosocial factors in health and disease - Ulcerative colitis-Characteristics and illness patterns in patients over 50
- P01MH-11668-09 0066 Psychosocial factors in health and disease - Psychosocial factors in long term survival in neoplasia
- P01MH-11668-09 0069 Psychosocial factors in health and disease - Morbidity and mortality related to reactions during cardiac catheterization
- P01MH-11668-09 0070 Psychosocial factors in health and disease - Psychologic and hormonal reaction to hemolysis and renaltransplantation
- P01MH-11668-09 0071 Psychosocial factors in health and disease - Sexual behavior in patients with hemodialysis and renal transplantation
- P01MH-11668-09 0085 Psychosocial factors in health and disease - Sequelae of induced abortion
- P01MH-11668-09 0090 Psychosocial factors in health and disease - Giving-up and disease onset in a 'non-sick' population
- P01MH-11668-09 0094 Psychosocial factors in health and disease - Heart research follow-up program
- R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
- R01MH-12888-08 Children with learning disabilities-A follow-up
- P01MH-13002-06 0005 Clinical and laboratory studies of affective disorder - Studies of bereavement
- P01MH-13002-06 0018 Clinical and laboratory studies of affective disorder - The psychiatric emergency room
- P01MH-13002-06 0019 Clinical and laboratory studies of affective disorder - Onset of affective disorders in a normal population
- P01MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
- P01MH-13002-06 0026 Clinical and laboratory studies of affective disorder - Affective disorders in marijuana users
- ** P01MH-13002-06 0035 Clinical and laboratory studies of affective disorder - Follow-up of adolescents with affective disorders
- ** P01MH-13369-07 Program for research in psychiatric sociology
- R01MH-14806-08 Maturation reform and rural delinquency (human)
- R01MH-15413-06 0011 Psychopharmacology of biogenic amines in depression - Clinical studies-Changes in biogenic amine metabolism (human)
- R01MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)
- R01MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)
- R01MH-15606-07 Adaptive behavior in varied high school environments
- R01MH-16037-06 Home learning center approach to early stimulation (children)
- R01MH-16080-06 Ego development and the provenance of thought
- R01MH-16544-04 Neonatal factors in serious mental disorder (human)
- R01MH-16728-05 Cognitive development and cognitive socialization
- R01MH-16852-06 Evaluation of project catch-up (human)
- R01MH-17039-05 Psychophysiological studies in hyperactive children
- R01MH-17312-05 Antecedents of competence
- P01MH-17565-03 0003 Genetics of the XY phenomena in man - Anthropometric and somatotype investigations (human)
- R01MH-17728-05 Follow-up of maintenance treatment for depression (human)
- R01MH-17960-05 Chromosome abnormality and behavioral variation (human)
- R01MH-18260-05 Psychiatric impairment in urban children over time
- R01MH-18332-05 Temporal organization in behavior and development (human)
- R01MH-18438-05 Etiology and prognosis in childhood psychosis (human)
- R01MH-18471-04 Verbal interaction project (human)
- R01MH-18819-04 Precursors of suicide and other premature deaths
- R01MH-18846-03 Outcome of crisis intervention treatment
- R01MH-18857-02 Offspring of psychotic women (Sweden)
- R01MH-18864-04 Epidemiology of achievement and psychiatric status
- R01MH-18962-03 Prediction of suicide in psychiatric patients (human)
- R01MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
- ** R01MH-19415-05 Developmental dyslexia-A longitudinal study
- R01MH-19560-04 Prospective study of children of schizophrenic parents
- R01MH-19585-02 Human aging data file and psychological analysis
- R01MH-19649-03 The impact of mental illness on the family (human)
- ** R01MH-19831-04 Brief hospitalization-Effects on patient and family
- ** P01MH-19966-03 0007 Psychiatric epidemiology research unit and two field studies - Chronic hospitalization
- ** P01MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome-Recovery determinants
- ** R01MH-19972-04 Blind psychiatric family and follow-up study
- R01MH-19989-04 Classification and assessment of suicidal behaviors (human)
- R01MH-20583-02 Pharmacotherapy of hyperactive children
- R12MH-21191-03 Developmental consequence of extreme social isolation (human)
- R01MH-21803-02 Behavioral treatment of childhood gender problems
- R01MH-21989-03 Studies of psychological differentiation (human)
- R01MH-22212-01 Adolescent and adult outcomes and child behavior
- R01MH-22575-01 Divorce, role and health status and service systems
- R01MH-22799-01 Evaluating marriage counseling intervention strategies
- R01MH-22803-02 Social-effective development in infancy (human)
- R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
- P01MH-22836-02 Children and families vulnerable to mental disorders
- R01MH-22840-02 Deviant development of infants of schizophrenics
- R01MH-22997-03 Evaluation of children's mental health services
- R01MH-23125-02 Supportive resources for black adolescent aspiration
- R01MH-23262-02 Assimilation of Latin American minorities in the US
- ** R01MH-23417-01 Psychiatric inpatient care-Followup project
- R01MH-23441-01 Adult adjustment predicted from childhood assessment
- R03MH-23474-01 Survey of scientific values among psychologists
- R01MH-23600-01 Day care centers-A comparative and evaluative study
- R01MH-23612-02 Prediction of advanced academic performance
- R01MH-23615-02 Earned family income and urban crisis
- R03MH-23657-01 Visual-auditory factors in early reading ability
- R01MH-23709-02 Environmental settings for open education
- R01MH-23755-01 Longitudinal study-Intermediate housing for elderly
- R01MH-23806-01 Correlates and consequences of ethnicity in the US
- R01MH-23903-02 Early patterns of cognitive development
- R01MH-23989-02 Psychotropic drug and cytogenetic effects (human)
- R01MH-24152-01 Epidemiology of and intervention for children at risk
- ** R01MH-24189-01 Epidemiology-Mania, depression and schizophrenia
- R01MH-24216-01 The social effects of divorce and divorce law reform (California)
- R01MH-24283-01 Development of initiative (human)
- ** R01MH-24287-01 California's new mental health law-Longitudinal study
- R01MH-24393-02 0001 MHPG excretion, catecholamine metabolism, and depression - Effects of imipramine upon urinary excretion of catecholamine metabolites (human)
- R01MH-24393-02 0003 MHPG excretion, catecholamine metabolism, and depression - Clinical characteristics of depression associated with decreased MHPG excretion
- R01MH-24393-02 0004 MHPG excretion, catecholamine metabolism, and depression - Longitudinal studies of patients with alternating manic and depressive episodes
- R01MH-24393-02 0005 MHPG excretion, catecholamine metabolism, and depression - Low MHPG excretion associated with depression-A state or trait variable
- R01MH-24741-01 Longitudinal study of physically abused children
- R01MH-24819-01 A short term developmental study of children at risk
- R01MH-24849-01 Development of self recognition in infancy
- R01MH-24894-01 Mutual aid systems approach to school mental health
- R01MH-24902-01 Evaluative study of callers to a crisis hotline
- R01MH-25080-01 Depressive states and suicide prevention
- R01MH-25172-01 Preparation for childbirth and family relationships
- P01MH-25246-01 Effects of psychotherapy in schizophrenia-A pilot study
- R03MH-25263-01 Factors of assaultive behavior
- R01MH-25279-01 Life change events, risk factors and chronic disease
- R01MH-25280-01 Early life stress, risk factors and chronic disease
- R01MH-25295-01 Sympathetic and adrenocortical lability and illness (human)
- R01MH-25311-01 Gene-environment interactions and criminality
- R01MH-25435-01 The group of schizoaffective and related psychoses
- ** R12MH-25570-01 Soteria II-Replication of an alternative to hospitalization
- R01MH-25604-01 Evaluation of group homes for delinquent youths
- R03MH-25651-01 Enhancement of weight loss after behavioral treatment
- R03MH-25779-01 Change in a correctional facility for delinquents
- R01MH-25834-01 Social change in the family and life course
- ** R01MH-25935-01 Social competence and behavior style in mental patients
- R03MH-26042-01 Replication of research on a metropolitan area (human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- RO1MH-26098-01 Stress, crowding and blood pressure in prison
- RO1MH-26169-01 Nature of certain linguistic abilities
- RO3MH-26180-01 Father's work, family relations, and career choice
- RO1MH-26232-01 Behavioral approach to marital dysfunction
- ** NO1MH-24197-06 Medical student and physician career predispositions
- RO1NS-02182-15 Histopathologic study of human temporal bones
- RO1NS-03166-14 EEG studies in newborn and young infants (human)
- PO1NS-06208-09 0019 Epilepsy research program - Precipitating and inhibiting factors in epilepsy (human)
- PO1NS-06208-09 0022 Epilepsy research program - Cerebral sensory evoked potentials (human)
- ** PO1NS-06229-09 0010 Cerebrovascular diseases program - Natural history of cerebrovascular ischemia (human)
- RO1NS-07623-07 Experimentally induced serous otitis media (human, animals)
- P15NK-07791-06 Outpatient research center for sensorineural deafness
- PO1NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- PO1NS-08802-05 0010 Cerebrovascular disease research center - Prospective stroke epidemiology
- PO1NS-09287-04 0013 Baylor center for cerebrovascular research - Neuropsychological studies in cerebrovascular disease and dementia (human)
- RO1NS-09431-03 Acute treatment of ruptured intracranial aneurysms, central registry (human)
- RO1NS-09432-03 Acute treatment of ruptured intracranial aneurysms (human)
- RO1NS-09433-03 Acute treatment of ruptured intracranial aneurysms (human)
- RO1NS-09628-03 New approaches to speech instruction of deaf children
- RO1NS-09785-03 Trial of MCT diet in intractable childhood epilepsy (children, rats)
- RO1NS-09891-01 Injected paralyzed vocal cord-Long term effects
- ** RO1NS-10238-03 Otoneurological evaluation of infants and children
- RO1NS-10448-03 Meniere's disease-Surgery for conservation of hearing (human)
- PO1NS-10468-03 0003 The perception of speech events - Language (children)
- ** PO1NS-11131-01 0018 Extrapyramidal and related behavioral disorders - Long term study of patients receiving levodopa
- RO1NS-11778-01 The inner ear biochemistry of adrenal insufficiency (human, chinchillas)
- NO1NS-22317-03 Three-phase screening program
- NO1NS-22326-02 Human responses to head injury
- ** NO1NS-80004-12 Research in pregnancy factors and resultant child outcome
- ** NO1NS-80006-10 Research in pregnancy factors and resultant child outcome
- ** NO1NS-80007-10 Perinatal research project
- ** NO1NS-80009-12 Perinatal research project
- ** NO1NS-80010-08 Perinatal research project
- ** NO1NS-80011-11 Perinatal research project
- ** NO1NS-80012-13 Perinatal research project
- ** NO1NS-80013-08 Perinatal research project
- ** NO1NS-80014-08 Perinatal research project
- ** NO1NS-80017-12 Pregnancy factors and resultant child outcome
- NO1NS-92196-04 Anticonvulsant properties of ethosuximide and clonazepam (human)
- RO2NU-00308-05 Long-term effects of an experimental nursing process
- RO2NU-00494-01 Post baccalaureate nursing careers, a follow-up study
- ** NO1NU-34064-02 Longitudinal study to evaluate nurses in extended roles
- RO1OH-00320-07 Relation of smoking to neoplasia in asbestos workers
- RO1OH-00322-06 Health hazards of the di-isocyanates (human)
- MO1RR-00030-13 0024 General clinical research center - Membranous glomerulopathy (human)
- MO1RR-00030-13 0035 General clinical research center - Familial cold urticaria (human)
- MO1RR-00030-13 0042 General clinical research center - Allopurinol therapy in gout (human)
- MO1RR-00030-13 0048 General clinical research center - Methotrexate therapy for psoriasis (human)
- MO1RR-00031-14 0009 General clinical research center - Coronary insufficiency, myocardial metabolism and cardiac function (human)
- MO1RR-00032-14 0017 General clinical research center - Cardiac performance after myocardial infarct (human)
- MO1RR-00032-14 0018 General clinical research center - Diagnosis of ischemic heart disease by exercise electrocardiography (human)
- MO1RR-00032-14 0042 General clinical research center - Diagnosis of ischemic heart disease (human)
- ** MO1RR-00032-14 0063 General clinical research center - Long term follow-up of acute renal failure (human)
- MO1RR-00035-14 0060 General clinical research centers - Cortical excisions (human)
- MO1RR-00035-14 0127 General clinical research centers - Aortic-coronary vein bypass surgery for coronary disease (human)
- MO1RR-00036-14 0068 General clinical research center - Long-term follow-up of hyperlipoproteinemia (human)
- MO1RR-00036-14 0107 General clinical research center - Follow-up after repair of coarctation of aorta (human)
- MO1RR-00036-14 0169 General clinical research center - Idiopathic hypercalciuria (human)
- MO1RR-00036-14 0180 General clinical research center - Follow-up after surgical repair of coarctation of aorta (human)
- MO1RR-00037-14 0011 General clinical research center - Effects of renal transplantation in fatal metabolic disorders (human)
- MO1RR-00037-14 0014 General clinical research center - Urinary tract physiology altered by congenital defects (human)
- MO1RR-00037-14 0016 General clinical research center - Transsexualism, surgical technique for vaginal construction (human)
- MO1RR-00037-14 0024 General clinical research center - Nutrition provided by an artificial gut system (human)
- MO1RR-00037-14 0037 General clinical research center - New peritoneal dialysis system
- MO1RR-00039-14 0053 General clinical research center - Glucose-galactose malabsorption syndrome (human)
- MO1RR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- MO1RR-00042-14 0019 General clinical research center - Long term manifestations of scleroderma (human)
- MO1RR-00042-14 0021 General clinical research center - Long-term survival following renal transplantation (human)
- MO1RR-00042-14 0060 General clinical research center - Long term effect of hoparin therapy on calcium metabolism (human)
- MO1RR-00042-14 0071 General clinical research center - Baroreflex sensitivity after resection of coarctation of the aorta (human)
- MO1RR-00044-14 0008 General clinical research center - Penicillamine in treatment of cystinuria (human)
- MO1RR-00050-13 0004 Wilson's disease - Periodic dialysis in chronic renal disease (human)
- MO1RR-00050-13 0008 Wilson's disease - Obese children (human)
- MO1RR-00050-13 0035 Wilson's disease - Renal function in renal homotransplant recipients (human)
- MO1RR-00051-13 0018 General clinical research center - Chronic lymphatic leukemia (human)
- MO1RR-00051-13 0029 General clinical research center - Cryohypophysectomy in treatment of pituitary tumors (human)
- MO1RR-00051-13 0055 General clinical research center - Renal tubular function in acute tubular necrosis (human)
- MO1RR-00051-13 0058 General clinical research center - Familial lupus erythematosus
- MO1RR-00051-13 0061 General clinical research center - Hyperuricemia and neurologic deficits (human)
- ** MO1RR-00051-13 0015 General clinical research center - Renal transplantation (human)
- MO1RR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
- MO1RR-00051-13 0122 General clinical research center - Organ transplantation-Studies of malignancies (human)
- MO1RR-00051-13 0123 General clinical research center - Organ transplantation-HLA typing (human)
- MO1RR-00051-13 0124 General clinical research center - Treatment of glycogen storage diseases by portal blood diversion (human)
- MO1RR-00052-13 0001 General clinical research center for children - Subclinical toxic effects of childhood plumbism
- MO1RR-00052-13 0006 General clinical research center for children - Renal transplantation
- MO1RR-00052-13 0008 General clinical research center for children - Pressure flow waveforms in arterial systems
- MO1RR-00052-13 0012 General clinical research center for children - Congenital heart defects
- MO1RR-00054-13 0072 General clinical research center - Thyrotoxicosis (human)
- MO1RR-00055-13 0116 General clinical research center - Thyroid carcinoma and radiation (human)
- MO1RR-00058-13 0010 General clinical research center - Hypersensitivity pneumonitis (human)
- MO1RR-00059-13 0044 General clinical research center - Gastric bypass for extreme obesity (human)
- MO1RR-00062-12 0010 Clinical research center, children - Open surgical correction of structural heart disease
- MO1RR-00062-12 0021 Clinical research center, children - Human growth hormone in hypopituitary dwarfism and in small stature
- ** MO1RR-00063-12 0057 General clinical research center - Long term follow-up of tropical sprue treatment (human)
- MO1RR-00064-10 0044 General clinical research center - Distal renal tubular acidosis following renal homotransplantation (human)
- MO1RR-00068-12 0012 General clinical research center - Genetics of familial hyperlipoproteinemia (human)
- MO1RR-00068-12 0018 General clinical research center - Juvenile diabetes treated with unmeasured diet
- MO1RR-00068-12 0029 General clinical research center - Systemic physiological response to head injury (human)
- ** MO1RR-00069-12 0001 General clinical research center, children - Kidney transplantation
- MO1RR-00069-12 0025 General clinical research center, children - Follow-up on neonates with X-chromosomal abnormalities
- MO1RR-00069-12 0038 General clinical research center, children - Long term transfusion therapy of hemolytic anemia
- MO1RR-00069-12 0042 General clinical research center, children - Phenylketonuria collaborative study
- MO1RR-00069-12 0044 General clinical research center, children - Portal caval shunting in glycogen storage disease
- MO1RR-00069-12 0071 General clinical research center, children - Detection of hypercholesterolemia in neonates
- MO1RR-00069-12 0080 General clinical research center, children - Homotransplantation of the liver
- MO1RR-00069-12 0084 General clinical research center, children - The parathyroid gland transplantation
- MO1RR-00069-12 0104 General clinical research center, children - Long-term follow-up of chronic active hepatitis
- MO1RR-00069-12 0105 General clinical research center, children - Long-term follow-up of chronic inflammatory bowel disease
- MO1RR-00070-12 0008 General clinical research center - Pathophysiology of epilepsy (human)
- MO1RR-00070-12 0052 General clinical research center - Aorto-coronary saphenous autografts-Coronary by-pass surgery (human)
- MO1RR-00070-12 0086 General clinical research center - Aortic replacement of mitral valve (human)
- MO1RR-00070-12 0092 General clinical research center - Long term follow-up of ostium primum defect repair (human)
- MO1RR-00075-11 0061 General clinical research center for children - Effects of isolation of newborn infants in a sterile environment
- MO1RR-00076-12 0069 General clinical research center - Prospective study of CV manifestations of sickle cell anemia (human)
- MO1RR-00076-12 0105 General clinical research center - Follow-up study of Boston drug addicts
- MO1RR-00079-12 0055 General clinical research center - Nature of acidification defect (human)
- MO1RR-00080-12 0063 General clinical research center - Pituitary function in children of reduced stature (human)
- MO1RR-00080-12 0090 General clinical research center - Aspects of bronchiolitis (human)
- MO1RR-00081-12 0002 General clinical research center, premature infants - Assisted ventilation in treatment of respiratory failure
- MO1RR-00081-12 0005 General clinical research center, premature infants - Respiratory distress syndrome
- MO1RR-00081-12 0006 General clinical research center, premature infants - Hypercaloric intravenous feedings
- MO1RR-00081-12 0021 General clinical research center, premature infants - Survival of respiratory failure with use of positive pressure ventilation
- MO1RR-00083-12 0001 General clinical research center - Renin-angiotensin system and mineralocorticoid in hypertension (human)
- MO1RR-00086-12 0006 General clinical research center-children - Preventing intertransfusion anemia in patients with thalassemia major
- MO1RR-00086-12 0011 General clinical research center-children - Long-term effects of cytomegalovirus infection in the newborn
- MO1RR-00086-12 0019 General clinical research center-children - Intractable hypoglycemia of infancy
- MO1RR-00086-12 0024 General clinical research center-children - Assessment of the pre-diabetic child
- MO1RR-00088-11 0005 General clinical research center - Radium and mesothorium poisoning in humans
- MO1RR-00088-11 0013 General clinical research center - Diet and drug therapy relation to lipoprotein in hyper- and hypolipidemia (human)
- MO1RR-00088-11 0034 General clinical research center - Effects of brain damage on brain function-Veterans of Korean War (human)
- MO1RR-00088-11 0050 General clinical research center - Neurosurgery for relief of persistent pain (human)
- MO1RR-00095-14 0001 General clinical research center - Regulation of pituitary function (human)
- MO1RR-00095-14 0012 General clinical research center - Hereditary deafness (human)
- MO1RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)
- MO1RR-00095-14 0029 General clinical research center - Porto-systemic venous shunts for portal hypertension (human)
- MO1RR-00095-14 0032 General clinical research center - Effect of truncal and selective gastric vagotomy (human)
- MO1RR-00095-14 0048 General clinical research center - Ischemic heart in patients with abnormal lipoprotein metabolism
- MO1RR-00095-14 0075 General clinical research center - Long-term follow-up of hyaline membrane disease (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MO1RR-00095-14 0076 General clinical research center - Respiratory vaccine evaluation
- MO1RR-00102-11 0008 General clinical research center - Skeletal maturation (human)
- MO1RR-00125-11 0139 General clinical research center - adult-child - Natural history of adult celiac sprue
- MO1RR-00125-11 0226 General clinical research center - adult-child - Offspring of mothers with congenital heart defects
- MO1RR-00134-10 0067 General clinical research center - Spectrum of renal involvement in drug abuse (human)
- MO1RR-00188-10 0071 General clinical research center for children - Longitudinal evaluation of giant cell hepatitis
- MO1RR-00199-10 0020 General clinical research center for children - Repair of tetralogy of Fallot
- MO1RR-00199-10 0023 General clinical research center for children - Phenylketonuria
- MO1RR-00240-10 0086 General clinical research center - Children - Zollinger-Ellison syndrome
- MO1RR-00240-10 0111 General clinical research center - Children - Long-term follow-up in Wilson's disease
- MO1RR-00261-09 0051 General clinical research center - Phenylketonuria and other inborn errors of metabolism (human)
- MO1RR-00261-09 0101 General clinical research center - Follow-up of renal function after renal failure (human)
- MO1RR-00287-08 0018 General clinical research center - Children with chemical diabetes
- MO1RR-00287-08 0021 General clinical research center - Appraisal of postoperative morbidity of vena cava filter (human)
- MO1RR-00287-08 0057 General clinical research center - Adrenal steroid and antimetabolite therapy in nephrotic syndrome (human)
- MO1RR-00336-08 0047 General clinical research center - Evaluation of long term survival of renal allografts (human)
- MO1RR-00336-08 0061 General clinical research center - Fenopropfen calcium in rheumatoid arthritis (human)
- MO1RR-00336-08 0077 General clinical research center - Follow-up of rheumatoid arthritis terminated on fenopropfen studies
- MO1RR-00349-08 0012 General clinical research center - Streptokinase treatment (human)
- MO1RR-00350-08 0097 General clinical research center - Changes following prosthetic valves and valves reconstruction (human)
- MO1RR-00350-08 0099 General clinical research center - Myocardial revascularization using autogenous venous bypass graft (human)
- MO1RR-00390-06 Normal biologic profiles for miniature swine
- MO1RR-00400-06 0001 General clinical research center - adult - Study of donors in kidney transplants to diabetics (human)
- MO1RR-00425-06 0013 General clinical research center - Long term EKG monitoring in arrhythmias (human)
- MO1RR-00585-03 0006 General clinical research center - Long term study of Wilson's disease (human)
- MO1RR-00628-04 0070 General clinical research center for children - Studies of newborn infants receiving phototherapy (for hyperbilirubinemia)
- MO1RR-00645-03 0001 Clinical research center - Analysis of hypertension based on biochemical profiles (human)
- MO1RR-00645-03 0002 Clinical research center - Normal renal essential hypertension (human)
- MO1RR-00645-03 0003 Clinical research center - Low renin essential hypertension (human) nephrotic edema (human)
- MO1RR-00645-03 0005 Clinical research center - High renin essential hypertension (human)
- MO1RR-00645-03 0008 Clinical research center - Hypertension in anephric man
- MO1RR-00645-03 0044 Clinical research center - Hypertransfusion and desferal chelation in thalassemia (children)
- MO1RR-00645-03 0061 Clinical research center - Silver nitrate cream combination for permanent tubal blockage (human)
- MO1RR-00722-02 0002 General Clinical Research Center - Evaluation of therapy of unstable angina pectoris (human)
- MO1RR-00722-02 0006 General Clinical Research Center - Natural history of diabetic retinopathy (human)
- MO1RR-00722-02 0017 General Clinical Research Center - Heritable disorders of connective tissue (human)
- MO1RR-00722-02 0018 General Clinical Research Center - Skeletal dysplasia (human)
- MO1RR-00722-02 0039 General Clinical Research Center - Follow-up of acute pancreatitis and hyperlipemia (human)
- MO1RR-00827-01 0010 General clinical research center - Circulatory and pharmacologic studies in cardiac disease (human)
- MO1RR-00827-01 0022 General clinical research center - Long term study of low back pain
- MO1RR-00865-01 0025 General clinical research center - Childhood risk factors-Relation to atherosclerosis
- MO1RR-40044-16 0011 - MEDICAL FOLLOW-UP STUDIES
- POPULATION STUDIES HUMAN, MORBIDITY**
- RO1AA-00201-03 Alcoholic hepatitis (human)
- RO1AA-00383-01 Analytic review of cross-culture studies on alcohol
- ** PO1AI-12381-01 0018 Center for study of sexually transmitted diseases - Sexually transmissible microorganisms and morbidity in non-pregnant women
- ** PO1AI-12381-01 0020 Center for study of sexually transmitted diseases - Sexually transmissible conditions and perinatal and maternal morbidity
- RO1AM-09128-10 Interhospital cooperative studies of cirrhosis (human)
- PO1AM-13084-10 0007 Clinical homotransplantation of tissues and organs - Pediatric nephrology (human)
- RO1AM-15646-03 The adult idiopathic nephrotic syndrome (human)
- RO1AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
- P02CA-06551-11 0007 Cancer clinical research - Factors affecting survival in breast cancer patients
- ** PO1CA-11428-04 Epidemiology of cancer (human)
- R10CA-13651-02 Malignant melanoma group
- R10CA-13662-02 Malignant melanoma group
- R10CA-13669-02 Malignant melanoma group
- R10CA-13671-02 Malignant melanoma group
- R26CA-15456-01 Evaluation of extended radiotherapy for prostate neoplasm (human)
- R26CA-15950-01 Case-control bladder tumor morbidity study (human)
- NO1CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Colombia
- NO1CP-43218-00 Cancer and chronic diseases virologic laboratory workers
- NO1CP-43382-00 Epidemiological investigation of cancer in Utah
- RO1DA-00325-02 Narcotic addiction during pregnancy and its sequelae (human)
- RO1GM-13482-07 Medical-anthropological studies in Solomon Islands
- PO1GM-14231-09 0022 Natural history of heart, cancer, stroke in a population - Diabetes mellitus
- PO1GM-15253-08 0049 Genetics in medicine-Gene action in man - Clinical genetics in Childrens Orthopedic Hospital
- PO1GM-18470-03 0009 Trauma center - Intravascular coagulation and morbidity following trauma (dogs, human)
- NO1HB-22906-03 Development of detection systems for cytomegalovirus (human, mammals)
- ** PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- PO1HD-03617-06 Intergenerational studies of development and aging (human)
- PO1HD-05894-04 0018 Genetic childhood diseases and aging - Cellular immune deficiency as possible cause of aging (human, mice)
- RO1HD-06911-02 Population density and human behavior in Chicago
- PO1HD-07256-03 0004 Child health and development studies - Placental weight and anemia during pregnancy (human)
- ** PO1HD-07256-03 0010 Child health and development studies - Morbidity in childhood (human)
- RO1HD-07559-01 Group B streptococci in perinatal disease (human, rats, rabbits)
- RO1HD-08031-01 Density and pathology in urban areas
- RO1HD-08407-01 Reproduction in women whose red cells contain hemoglobin S
- RO1HD-08492-01 Effects of exchange transfusion in premature infants (human)
- PO1HL-09814-09 0001 Research program - Cardiovascular and related disease - Fasting serum lipid levels, glucose tolerance and insulin curves (human)
- ** PO1HL-09814-09 0016 Research program - Cardiovascular and related disease - Morbidity and mortality follow-up (human)
- RO1HL-14901-02 Experimental pulmonary transplantation (baboons)
- P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
- ** P18HL-15161-03 0006 Comprehensive sickle cell disease center - Morbidity of sickle cell trait (human)
- PO1HL-15833-01 0014 Pharmacologic and physiologic basis of cardiac therapy - Evaluation of surgery for coronary artery diseases (human)
- ** PO1HS-00110-11 0010 Medical care and patient care research program (human) - Development of health accounts
- ** PO1HS-00110-11 0019 Medical care and patient care research program (human) - International collaborative study of medical care utilization
- ** PO1HS-00110-11 0027 Medical care and patient care research program (human) - Levels of health and socio-economic strata
- RO1HS-00272-06 Comparative health systems-Evolution and convergence
- ** PO1HS-00620-04 0009 Multiple effects of alternative health care services - Blood-pressure study
- ** R18HS-00962-02 Morbidity and mortality data in health planning
- RO1HS-01408-01 Medicine use (human)
- ** R18HS-01561-01 Treatment and costs for drug related morbidities
- RO1HS-01653-01 Analysis of utilization of a comprehensive HMO
- NO1HY-12433-05 Therapy for hypertension in the general population
- ** NO1HY-12477-03 Sudden cardiac death and myocardial infarction (human)
- NO1HY-22931-06 Therapy for hypertension in general population
- NO1HY-22937-03 Therapy for hypertension in general population
- NO1HY-22938-07 Therapy for hypertension in general population
- ** NO1HY-51003-13 Data collection in clinical pathology and morbid anatomy
- PO1MH-11668-09 0069 Psychosocial factors in health and disease - Morbidity and mortality related to reactions during cardiac catheterization
- ** PO1MH-11668-09 0073 Psychosocial factors in health and disease - Myocardial infarct-Morbidity and mortality in widows
- PO1MH-13369-07 Program for research in psychiatric sociology
- ** RO1MH-19864-04 American beliefs about physical and mental illness
- ** RO1MH-19972-04 Blind psychiatric family and follow-up study
- RO1MH-25295-01 Sympathetic and adrenocortical lability and illness (human)
- ** RO3MH-25544-01 Concomitant information in competing risk theory
- PO1NS-06229-09 0002 Cerebrovascular diseases program - Nationwide cerebrovascular disease mortality and morbidity study (human)
- PO1NS-06229-09 0010 Cerebrovascular diseases program - Natural history of cerebrovascular ischemia (human)
- P17NS-11110-02 Stroke acute care research unit (human)
- ** RO2NU-00463-02 A care-cure problem-Dying in teaching hospitals
- MO1RR-00063-12 0012 General clinical research center - Genetic studies in Puerto Rico hypohaptoglobinemia (human)
- ** MO1RR-00210-10 0033 General clinical research center - Maternal-child - Neonatal morbidity and mortality and presence coactive protein in cord blood
- POPULATION STUDIES HUMAN, MORTALITY**
- SEE ALSO INFANT MORTALITY
- RO1AA-00201-03 Alcoholic hepatitis (human)
- RO1AA-00297-03 Zygotic and uterine mediated effects of alcohol (mice)
- ** RO1AA-00303-02 Alcoholics among decedents in New York City
- RO1AA-00383-01 Analytic review of cross-culture studies on alcohol
- ** RO1AA-01209-01 Epidemiology and pathology study of alcohol sudden death (human)
- NO1AA-30031-00 Study on interactions of alcoholism with cancer (phase II)
- RO1AM-07369-12 Transport studies in experimental renal disease (human, rats)
- P02AM-13083-06 0103 Organ transplantation - Clinical studies of complications in renal transplantation
- RO1AM-15646-03 The adult idiopathic nephrotic syndrome (human)
- RO1AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
- ** PO1CA-11428-04 Epidemiology of cancer (human)
- RO1CA-13675-01 Determinants of fatal skin tumors (human)
- P02CA-13696-02 0013 Clinical cancer research center - Lymphocyte reaction in cancer (human)
- ** RO1CA-13811-02 Disability and mortality as measures of cancer (human)
- RO1CA-14088-02 0003 Decision-aiding methodology for leukemia chemotherapy - Morbidity/mortality predictor (human)
- RO1CA-14235-02 Neoplasia-predisposing genes in man
- RO1CA-14703-01 Epidemiology of cancer in Adventists-A low risk group (human)
- RO1CA-14704-02 Epidemiology of gastric cancer in Newfoundland
- RO1CA-14974-01 Prognostic factors in lung cancer
- R26CA-15455-01 Evaluation of extended radiotherapy for prostate neoplasm (human)
- PO1CA-15655-01 0009 Cancer center support grant - Genetic studies in cancer (human, animals)
- ** PO1CA-16359-01 0056 Cancer center support grant - Cohort mortality with emphasis in cancer mortality
- ** PO1CA-16359-01 0057 Cancer center support grant - Epidemiology of esophagus and kidney cancer
- NO1CN-45007-01 Effect of early detection and treatment on survival from lung cancer
- NO1CN-45037-00 Lung cancer control-Detection and therapy
- ** NO1CP-33325-01 Conducting cancer mortality studies
- ** NO1CP-43201-00 Mortality experience of children inoculated with SV40
- ** NO1CP-43202-00 Atomic bomb casualty commission study
- ** NO1CP-43213-00 Study of smoking and mortality among veterans
- NO1CP-43382-00 Epidemiological investigation of cancer in Utah
- NO1CP-43386-00 Cancer survey in the Puerto Rico area

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P10ES-00260-12 0022 Research in the environmental health sciences - Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether
 P10ES-00260-12 0030 Research in the environmental health sciences - Mortality among individuals treated with arsenicals
 P10ES-00260-12 0031 Research in the environmental health sciences - Mortality patterns during summer heat waves in New York City
 P10ES-00928-01 0002 Environmental agents-Relation to human health effects - Organic dusts among furriers and concurrent smoking
 P10ES-00928-01 0007 Environmental agents-Relation to human health effects - Cancer risk due to occupational exposure to carbon black
 P10ES-00928-01 0012 Environmental agents-Relation to human health effects - Low-level, intermittent occupational exposure to talc dust
 P01GM-11301-12 0009 Structure, function and biosynthesis of macromolecules - Molecular and cellular mechanisms of morphogenesis
 P01GM-14231-09 0022 Natural history of heart, cancer, stroke in a population - Diabetes mellitus
 P01GM-15253-08 0049 Genetics in medicine-Gene action in man - Clinical genetics in Childrens Orthopedic Hospital
 ** P01HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
 P01HD-03617-06 Intergenerational studies of development and aging (human)
 ** P01HD-05985-01 Cycles in fertility, mortality and economic conditions (US, Sweden, Britain)
 P01HD-07559-01 Group B streptococci in perinatal disease (human, rats, rabbits)
 P01HD-07598-01 Demographic portrait of Spanish-surnamed Californians
 P01HD-07914-01 Population and kinship in Neckarhausen 1500-1870
 P01HD-08031-01 Density and pathology in urban areas
 P01HD-08407-01 Reproduction in women whose rod cells contain hemoglobin S
 P01HD-08492-01 Effects of exchange transfusion in premature infants (human)
 P01HD-08586-01 Population dynamics in preindustrial England
 P01HL-04697-15 International heart disease epidemiology (human)
 P01HL-06336-14 0044 Cardiovascular program project - ECG evidence of bilateral bundle branch disease (human)
 P01HL-06336-14 0048 Cardiovascular program project - Coronary artery disease and selective coronary angiography
 P01HL-08203-12 0001 Renal homotransplantation in man - Clinical results of renal homotransplantation in man
 P01HL-08481-11 Data pooling project-Coronary disease and risk factors (human)
 P01HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
 P01HL-09686-09 Diet and human cardiovascular disease
 ** P01HL-09814-09 0016 Research program- Cardiovascular and related disease - Morbidity and mortality follow-up (human)
 ** P01HL-09814-09 0031 Research program- Cardiovascular and related disease - Angina myocardial infarct and death from coronary disease in Tecumseh
 P01HL-09814-09 0041 Research program- Cardiovascular and related disease - Hypertension to related diseases, cardiovascular, cerebrovascular and renal
 P01HL-10233-09 Cooperative study of drugs and coronary heart disease (human)
 P01HL-10353-08 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10441-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10446-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10697-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10698-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10703-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10705-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10707-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-10710-09 Cooperative study of drugs and coronary heart disease (men)
 P01HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
 P01HL-11039-08 Cooperative study of drugs and coronary heart disease (men)
 P01HL-11040-08 Cooperative study of drugs and coronary heart disease (men)
 P01HL-11063-08 Cooperative study of drugs and coronary heart disease (men)
 P01HL-11115-08 Cooperative study of drugs and coronary heart disease (men)
 P01HL-11116-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11312-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11322-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11369-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11370-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11372-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11373-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11375-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11376-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11377-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11380-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11458-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11655-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11660-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11661-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11663-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11898-07 Cooperative study of drugs and coronary heart disease
 P01HL-13330-05 0034 Mechanical circulatory support - Mechanical circulatory respiratory assistance (human)
 P17HL-14201-04 0002 Pulmonary disease research center - Therapy of IRDS with continuous positive airway pressure (human, infants)
 P17HL-14201-04 0017 Pulmonary disease research center - Sequelae of mechanical ventilation for respiratory failure (human)
 P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
 P17HL-14230-04 0039 Lipids, atherosclerosis and thrombosis - Platelet function and inhibition of platelet function (human, rats)
 R01HL-14901-02 Experimental pulmonary transplantation (baboons)
 R01HL-14905-03 Cardiac function and prognosis of coronary disease (human)
 ** R01HL-14927-03 Cardiac function and prognosis of coronary disease (human)
 ** R01HL-14928-03 Cardiac function and prognosis of coronary disease (human)
 P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
 P18HL-15160-03 0001 Comprehensive sickle cell disease center - Sickle cell disease and anesthetic experience (human)
 P01HL-15194-02 0005 Pathophysiology of cardiopulmonary dysfunction - Arrhythmias related to coronary disease and sudden cardiac death (human)
 R01HL-15382-03 Cooperative study of drugs and coronary heart disease (men)
 P01HL-15833-01 0014 Pharmacologic and physiologic basis of cardiac therapy - Evaluation of surgery for coronary artery diseases (human)
 ** P18HL-16005-01 0011 Comprehensive sickle cell center of the University of Chicago - Pathology of sickle cell trait (human)
 ** P01HS-00110-11 0010 Medical care and patient care research program (human) - Development of health accounts
 ** P01HS-00110-11 0027 Medical care and patient care research program (human) - Levels of health and socio-economic strata
 R01HS-00272-06 Comparative health systems-Evolution and convergence
 P01HS-00620-04 0005 Multiple effects of alternative health care services - Goals for 1973
 P01HS-00620-04 0006 Multiple effects of alternative health care services - Study of unmet needs
 ** P01HS-00620-04 0010 Multiple effects of alternative health care services - Monitoring of births, perinatal death and all deaths
 P01HS-00620-04 0012 Multiple effects of alternative health care services - Data processing
 ** R18HS-00962-02 Morbidity and mortality data in health planning
 N01HV-02073-08 Study of sudden cardiac death victims from Marin county
 N01HV-12433-05 Therapy for hypertension in the general population
 N01HV-12440-08 Therapy for hypertension in the general population (human)
 ** N01HV-12474-04 Sudden cardiac death and myocardial infarction
 ** N01HV-12478-05 Sudden cardiac death and onset of myocardial infarction (human)
 ** N01HV-12481-05 Cardiac arrhythmias and sudden cardiac death (human)
 N01HV-22931-06 Therapy for hypertension in general population
 N01HV-22937-03 Therapy for hypertension in general population
 N01HV-22938-07 Therapy for hypertension in general population
 ** N01HV-42963-00 Sudden cardiac death
 ** R01LM-01539-02 Mortality and the medical treatment of slaves
 ** P01MH-08667-10 0001 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology-Population movement (human)
 N01MH-10032-00 Field test of an epidemiologic assessment of community mental health
 P01MH-11668-09 0069 Psychosocial factors in health and disease - Morbidity and mortality related to reactions during cardiac catheterization
 ** P01MH-11668-09 0073 Psychosocial factors in health and disease - Myocardial infarct-Morbidity and mortality in widows
 P01MH-13369-07 Program for research in psychiatric sociology
 ** N01MH-20206-00 Epidemiologic study of mortality associated with mental disorders
 ** R01MH-21273-02 Studies on suicide and suicide attempts in Monroe County
 R01MH-24180-01 Certification of suicide deaths in the United States
 R01NS-05441-10 Amyotrophic lateral sclerosis in the Kii Peninsula (human)
 P01NS-06229-09 0002 Cerebrovascular diseases program - Nationwide cerebrovascular disease mortality and morbidity study (human)
 ** P01NS-06229-09 0008 Cerebrovascular diseases program - Mortality from cerebrovascular disease in veterans
 P17NS-11110-02 Stroke acute care research unit (human)
 P01NS-11131-01 0010 Extrapylamidal and related behavioral disorders - Prevention by manganese of levodopa-induced hemorrhage (rats)
 N01NS-42333-00 Tomography in cerebrovascular disease (human)
 R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
 ** R01OH-00362-09 Death rates among Italian railroad employees
 ** R01OH-00465-03 Current trends in survivorship of radiologists (human)
 ** P07RR-00003-13 0042 Medical data processing research - Models of mortality
 N01RR-40044-16 0011 - MEDICAL FOLLOW-UP STUDIES
POPULATION STUDIES HUMAN, POPULATION DENSITY
 R07AI-10048-14 0004 International center for medical research - Rodent ecology in relation to energy sources (rats)
 R01HD-06281-03 Change of attitudes toward population policy issues
 ** R01HD-06604-02 The politics of population policy in Latin America
 R01HD-06612-01 Population redistribution policies (human)
 R01HD-06911-02 Population density and human behavior in Chicago
 R01HD-07001-01 Population mathematics (human)
 R01HD-07629-02 Population-policy linkages in cities and suburbs
 ** R01HD-07914-01 Population and kinship in Neckarhausen 1500-1870
 ** R01HD-08031-01 Density and pathology in urban areas
 R01HD-08454-01 Metropolitan home-work place patterns
 ** R01HD-08586-01 Population dynamics in preindustrial England
 ** N01HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
 N01HD-42857-00 Economic analysis of US fertility change, 1940 to 1973
POPULATION STUDIES HUMAN, VITAL STATISTICS
 SEE ALSO HEALTH RECORDS
 SEE ALSO POPULATION STUDIES HUMAN, MORBIDITY
 SEE ALSO POPULATION STUDIES HUMAN, MORTALITY
 ** R01AA-00383-01 Analytic review of cross-culture studies on alcohol
 R18AA-01637-01 Criminal justice-alcoholism project II
 ** P02CA-13696-02 0070 Clinical cancer research center - Leukemia birth clusters (human)
 P01GM-21054-01 0001 Human genetics center - Computer core laboratory
 ** R01HD-04275-04 Genetic studies with record linkage (human)
 R01HD-05427-03 Rural fertility decline in Northern America (US, Canada)
 P01HD-05540-03 0001 Development of the mentally retarded - Population movement
 P01HD-06160-03 Population Research Center (human)
 (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
R01HD-06279-03 Fertility extended familism and lifestyle in Cameroon
- ** R01HD-06438-02 Female occupational structure-determinants and trends
R01HD-06751-02 Epidemiology of mental retardation-A national study (Netherlands)
- ** R01HD-07093-02 Effect of labor market on birth and marriage rates
- M R01HD-07256-03 Child health and development studies
R01HD-07588-01 Demographic portrait of Spanish-surnamed Californians
N01HD-32722-01 Evaluating the demographic impact of organized family planning programs
P1GHS-00471-06 0014 Health services research center - Regulation of distribution of medical care services
** P1GHS-00472-06 0016 Health services research center - Vital statistics and hospital licensure (human)
- ** P01HS-00620-04 0005 Multiple effects of alternative health care services - Goals for 1973
** P01HS-00620-04 0010 Multiple effects of alternative health care services - Monitoring of births, perinatal death and all deaths
** P01HS-00620-04 0012 Multiple effects of alternative health care services - Data processing
R03MH-25749-01 The demography of depopulation
R01MH-25860-01 Social predictors of American mobility 1875-1915
** P07RR-00267-09 0038 Biomedical data processing unit - Vital statistics reports
- POPULATION STUDIES MICROORGANISMS**
SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO GENETICS, POPULATION GENETICS
MICROORGANISMS
SEE ALSO REPRODUCTION MICROORGANISMS
- ** R01AI-06197-11 Micrometeorology and ecology of parasitic nematodes (sheep)
R01AA-10938-01 Flora of human skin
** R01AI-11915-01 Individual differences in surface flora of acne skin (human)
** R01DE-01784-12 Interactions of the oral microbiota (rabbits, mice)
** P01DE-02847-06 0011 Microbial ecology and its relation to dental disease - Animal model of bacterial implantation, transmission in the oral cavity (rodents)
** P01DE-02847-06 0012 Microbial ecology and its relation to dental disease - Oral establishment of S mutans and other bacteria in humans
** P01DE-02847-06 0013 Microbial ecology and its relation to dental disease - Effect of dental manipulations on spread of S mutans (human)
** R01DE-03378-04 The microbial composition of dental plaque
** R01GM-19848-02 Protein variation and selection mechanisms in E coli
- POPULATION SURVEYS**
** R18AA-00493-02 Problem drinking of urban Indians
N01AA-30002-05 Perform surveys, analyses and related work in alcoholism
N01AA-30036-00 Study of impact of Alcoholism and Intoxication Treatment Act
N01AA-30039-00 Study on interactions of alcoholism with cancer
N01AA-40003-00 Performs surveys, analyses and related work in the field of alcohol abuse
R01AM-16572-02 0001 The heterophile system in renal transplantation - Extent of natural pre-sensitization to antigens in population (human, rats, sheep)
P02CA-12197-03 0019 Multidisciplinary oncology research center - Health services research in clinical oncology
N01CB-23872-05 Ultrasound mammography
** N01DA-30197-00 National survey of drug abuse
** N01DA-40015-00 Study of drug abuse
R01ES-00849-02 Physiological adaptation of women to heat stress
** N01HD-02077-08 Analysis of the decline of fertility in Europe
N01HD-02190-04 Urbanization migration and fertility in Thailand
** P01HD-03352-07 0033 Wisconsin center on mental retardation - Milwaukee high-risk population laboratory
** P01HD-03617-06 Intergenerational studies of development and aging (human)
** R01HD-04602-05 Goals and conditions of population control (human)
** R01HD-05255-03 Pre-adult fertility and family formation (young women)
M R01HD-05876-03 Center for population research
** R01HD-06110-03 Urbanization, life style and fertility (Italy, US)
R01HD-06264-03 Sociopsychological aspects of premarital conception
** R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
R01HD-06266-02 Psychological factors and fertility behavior in women
** R01HD-06279-03 Fertility extended familism and lifestyle in Cameroon
- ** R01HD-06438-02 Female occupational structure-determinants and trends
R01HD-06604-02 The politics of population policy in Latin America
R01HD-06830-03 Effect of therapeutic abortion on unmarried women
R01HD-06911-02 Population density and human behavior in Chicago
R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US
R01HD-07363-01 Critical factors in family planning participation (clinic attendants)
R01HD-07629-02 Population-policy linkages in cities and suburbs
R01HD-07739-01 Decision making on unplanned pregnancies
R01HD-07881-01 Rural-urban migration and adaptation in Korea
R01HD-08276-01 The value of children in the US
R01HD-08458-01 Cognitive behavior in maturity and old age
** R01HD-08497-01 Fertility and assimilation of the foreign-born
R01HD-08514-01 A sociomedical study of induced abortion (New York City)
R01HD-08524-01 Family planning program and fertility in UP, India
N01HD-12037-13 Kin network and population dynamics
** N01HD-12038-04 Attitudinal factors affecting family size
** N01HD-12212-02 Women labor force participation and fertility
** N01HD-22033-02 Correlates of family size and child spacing in the United States and Puerto Rico
** N01HD-22707-04 Develop methods to use 1960 and 1970 census samples
N01HD-22754-03 Study of family, career and sexuality
** N01HD-32715-02 Final survey to complete family planning evaluation project
N01HD-42807-00 Population growth and employment in metropolitan areas
N01HD-42815-00 Microfilming of National Fertility Study questionnaires
** N01HD-51048-14 1970 National fertility survey
P17HL-14138-04 0011 Center for research on atherosclerosis - Application of angiography for assessing atherosclerosis (human)
** R27MB-00014-02 Supply and demand factors-related health educators
** N01MB-24352-02 Study of alleviation of health manpower maldistribution
R01MH-03859-13 0001 Developmental-interactive aspects of hypnosis - Developmental aspects of hypnosis
R01MH-06275-12 Social and psychological factors in status attainment (human)
P01MH-11668-09 0018 Psychosocial factors in health and disease - Medical education
R01MH-12780-04 Japanese American research project
P01MH-13002-06 0019 Clinical and laboratory studies of affective disorder - Onset of affective disorders in a normal population
R01MH-14806-08 Maturation reform and rural delinquency (human)
R01MH-15708-05 Leisure and mental health-Cultural and age factors
R01MH-17159-05 Interorganizational relationships and consequences
R01MH-17508-03 Effectiveness of regulatory systems for problem youth
R01MH-18060-05 The permanent community sample (human)
R01MH-18075-05 A comprehensive study of 47, XYY male offenders (human)
R01MH-18988-02 Helping services used by adoptive and natural parents
R01MH-19069-04 Social class differences in community behavior (human)
R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
R01MH-20077-02 Psychiatric manpower in mental health centers
R01MH-20221-02 Methods to promote growth in marital relationships
R01MH-21146-03 Stepfathers and the mental health of their children
R01MH-21196-03 Cultural indicators
R01MH-21854-02 Social antecedents of acts of interpersonal violence
R01MH-22090-01 The mental health of Blacks and Asian Americans
R01MH-22719-03 Native American children-The urban way
R01MH-22883-02 Role of autotelic experiences in adult development
R01MH-23023-03 Automobile accidents in youth-A psychosocial study
R01MH-23030-02 Structure, functions, and impact on urban communes
R03MH-23474-01 Survey of scientific values among psychologists
- ** R01MH-23604-02 Self survey of the black community of Topeka, Kansas
R01MH-23615-02 Earned family income and urban crisis
R01MH-23806-01 Correlates and consequences of ethnicity in the US
** R01MH-24266-01 Effect of survey question wording on survey results
R01MH-24301-01 Emotional arousal and biometeorological cycles
R01MH-24587-01 Ethnicity and social class in rural communities
R01MH-24677-01 The social organization of psychological disorder
R01MH-24795-01 Household settings-Life styles and mental health
R01MH-24807-01 Marriage, female roles, and marital disruption
R01MH-24887-01 Attitudes of married women towards work and families
R01MH-25266-01 Personal well-being and environmental factors
R03MH-25891-01 Relative deprivation, militancy and aspirations
R03MH-26052-01 Contextual influences on individual choice behavior an
N01NU-44136-00 Data processing support
- POPULATION SURVEYS, HEALTH SURVEYS**
R18AA-00139-03 Wisconsin State occupational alcoholism program
R18AA-00143-03 Illinois occupational alcoholism program
** R18AA-00172-02 Maine Indian alcoholism field survey
R18AA-00454-03 Services for problem drinking drivers
R18AA-00828-02 Alcoholism counseling and recovery program
** R03AA-00892-01 Urban Chippewa alcoholics-A clinical survey
R01AA-01203-01 Testing an input-output model for NIAAA treatment programs
R18AA-01504-01 Monitoring of occupational alcoholism programming (private and public agencies)
N01AA-30074-00 National Center for Alcohol Education
N01AA-40028-00 Monitoring system in NIAAA funded poverty projects
N01AA-40032-00 Evaluating the operation DOT/NIAAA joint alcoholism program
** R01AI-10695-03 Epidemiology of Mycoplasma pneumoniae infections (human)
** R01AM-07912-10 Creighton University bone research center (women)
R01AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
R22AM-09980-09 0011 Infantile diarrhea and malnutrition (Peru, Baltimore) - Lactase deficiency (human)
R01AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
N01AM-32207-02 Evaluation of research in digestive diseases
** P02CA-07357-10 0013 Special children's cancer center program - X-linked recessive malignant reticuloendotheliosis (human)
** R01CA-12208-03 Oxford survey of childhood cancers
R01CA-14031-02 Breast cancer and prior use of hormones (human)
P01CA-14131-02 Exploratory studies in cancer research (human)
R18CA-15978-01 Clinical and research radiation therapy in cancer care (US, Puerto Rico survey)
R18CA-16419-01 Evaluation of impact of cancer control programs
** N01CN-35031-06 National survey of cancer control
N01CN-45117-00 A survey of cancer control law
N01CP-12050-05 OCR processing of Third National Cancer Survey
** N01CP-33254-03 Computing services for Third National Cancer Survey
N01CP-33351-01 Cancer incidence study and registry assessment
** N01CP-43200-00 Third National Cancer Survey
** N01CP-43386-00 Cancer survey in the Puerto Rico area
** N01CP-90040-08 Dallas-Fort Worth Cancer Survey
** N01CP-90041-13 Third National Cancer Survey
** N01CP-90043-10 Third National Cancer Survey
** N01CP-90047-11 Third National Cancer Survey
** N01CP-90049-09 Third National Cancer Survey
** N01CP-90072-08 Cancer survey in the Puerto Rico area
** R01DA-00094-04 Drug use surveillance-San Matoo County Schools
R01DA-01054-01 Drug abuse among Indian adolescents
R01DA-01061-01 Analysis of a three year adolescent drug use survey
P01DA-01073-01 Center, theoretical social research on drug abuse
R01DA-01080-01 Psychosocial investigation of drug abuse in industry
P01DA-01097-01 0009 Center for socio-cultural research on drug use - Methodological studies
N01DA-20137-01 Develop program for self-administered high school study of drugs
N01DA-40190-00 Survey of new techniques for the treatment of drug abusers

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**Oriented significantly to above subject.

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(contd)

- PO1DE-01770-12 0003 Oral pathology - Epidemiology of minor congenital abnormalities of head and neck (human)
- PO1DE-02552-08 0001 Microbial pathogenesis of human dental caries - Epidemiology
- PO1DE-02873-06 Facial and dental growth in pre and post adolescents
- ** NO1DE-12062-06 Field trial for a dental adhesive sealant material
- NO1DH-34005-02 Geographic distribution of dental manpower within the state of Wisconsin
- RO1ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
- RO1ES-00752-03 Asbestos air pollution-Extent,persistence, effects (human)
- ** RO1ES-00868-02 Effect low level air pollutants on human health
- NO1ES-22093-07 Early detection of environmental agents that induce children's diseases
- ** NO1EY-42167-00 Biostatistical analysis of collaborative glaucoma study (human)
- ** RO1GM-13482-07 Medical-anthropological studies in Solomon Islands
- PO1GM-15253-08 0053 Genetics in medicine-Gene action in man - Frequency and significance of genetic hyperlipoproteinemia
- PO1GM-19100-03 0003 Genetics research center - Chromosome abnormalities (human)
- ** PO1GM-19100-03 0009 Genetics research center - Pregnancy in sickle cell disease
- PO1GM-19443-03 0034 Problems in clinical genetics - The XYY syndrome (Copenhagen, Denmark)
- PO1GM-19513-03 0010 Human genetics - Incidence and prevalence of inherited disease
- PO1GM-20130-01 0003 Clinical genetics research center - Mental retardation
- PO1GM-20130-01 0004 Clinical genetics research center - Old Order Amish
- PO1GM-21054-01 0010 Human genetics center - Hereditary deafness
- ** RO1HD-04753-05 Factors in youth predisposing to chronic diseases
- ** PO1HD-05540-03 0001 Development of the mentally retarded - Population movement
- RO1HD-05755-04 Minor birth defects for environmental monitoring (human)
- PO1HD-05798-01 0004 Center for population research award - Epidemiology studies
- ** RO1HD-06343-03 Growth and development of Melanesian children
- RO1HD-06751-02 Epidemiology of mental retardation-A national study (Netherlands)
- ** RO1HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
- RO1HD-07403-02 Indications for tonsillectomy and adenoidectomy
- RO1HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
- ** RO1HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
- NO1HD-12299-10 Study cervical cytology in contraceptive users
- NO1HD-32770-01 Retrospective study postmenopausal women w/o estrogen replacement therapy
- NO1HD-42800-00 Study risks for cancer among users of oral contraceptives
- ** RO1HL-03341-17 Epidemiology of atherosclerosis in Evans Co Georgia
- RO1HL-03429-15 Central nervous system and coronary heart disease (human)
- RO1HL-05933-15 Applied pulmonary physiology (human)
- ** RO1HL-08481-11 Data pooling project-Coronary disease and risk factors (human)
- PO1HL-08974-10 0002 Natural and experimental atherosclerosis - Geographical pathology of cerebral atherosclerosis (human)
- PO1HL-08974-10 0012 Natural and experimental atherosclerosis - Studies on material collected in the IAP (human)
- PO1HL-09814-09 0001 Research program- Cardiovascular and related disease - Fasting serum lipid levels, glucose tolerance and insulin curves (human)
- PO1HL-09814-09 0002 Research program- Cardiovascular and related disease - Socio-psychological health factors, coronary heart disease and precursors (human)
- PO1HL-09814-09 0006 Research program- Cardiovascular and related disease - Sudden death and myocardial infarctions (human)
- ** PO1HL-09814-09 0017 Research program- Cardiovascular and related disease - Acute upper respiratory disease (human)
- RO1HL-11901-07 0001 Ileal bypass effect on cholesterol and atherosclerosis - Clinical ileal bypass program
- ** RO1HL-13100-04 Cultural change, blood pressure and heart disease (Pacific Islands)
- RO1HL-13974-03 Ventricular premature beats and sudden coronary death (human)
- PI7HL-14136-04 0001 Obstructive lung diseases - Abnormalities of mechanics in COLD (human, dogs)
- PI7HL-14174-04 0001 Atherosclerosis behavioral and epidemiological studies - Epidemiology component (human)
- P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
- ** PO1HL-14414-03 0009 Cardiorespiratory performance and environmental factors - Comparative study of cardiopulmonary fitness (human)
- P17HL-15103-03 0007 Specialized center of research-arteriosclerosis - Bagalusa family studies-Dental survey (children)
- RO1HL-15211-02 Immunologic aspects of beryllium lung disease (human, rats, guinea pigs)
- RO1HL-15614-02 Heredity and oxygen-Effects on health of heart-lungs (Chile)
- NO1HR-12216-04 Family study of alpha 1 antitrypsin
- NO1HR-12220-04 Study on alpha 1 antitrypsin
- ** NO1HR-22942-04 Risk factors in chronic obstructive pulmonary disease
- PO1HS-00013-08 Explorations in health services
- ** PO1HS-00080-09 0002 Health administration studies - Patterns of utilization
- ** PO1HS-00110-11 0010 Medical care and patient care research program (human) - Development of health accounts
- ** PO1HS-00110-11 0026 Medical care and patient care research program (human) - Study of Baltimore city hospitals
- PO1HS-00110-11 0038 Medical care and patient care research program (human) - Validating the household survey
- ** PO1HS-00110-11 0051 Medical care and patient care research program (human) - Usefulness of a health questionnaire
- PO1HS-00110-11 0054 Medical care and patient care research program (human) - Ambulatory medical care survey project
- ** RO1HS-00368-12 Human population laboratory for epidemiologic studies
- RO1HS-00422-05 Ecology of migrant peoples-Mississippi
- P1GHS-00429-04 0006 Health services research and development center - Quality of care studies
- P1GHS-00429-04 0008 Health services research and development center - Health care of the aged study
- RO1HS-00469-06 Effects of Medicare on physician utilization
- P1GHS-00471-06 0003 Health services research center - Public general hospitals
- ** P1GHS-00472-06 0020 Health services research center - Multi-phasic screening center
- P1GHS-00472-06 0045 Health services research center - Evaluation of HIP's incentive reimbursement experiment
- ** PO1HS-00620-04 0005 Multiple effects of alternative health care services - Goals for 1973
- PO1HS-00620-04 0009 Multiple effects of alternative health care services - Blood-pressure study
- PO1HS-00624-04 Program of research in interviewing methods
- R18HS-00702-03 Outcome measurement using a health status index (human)
- RO1HS-00773-03 Emerging patterns of health care for young people
- ** RO1HS-00831-03 Development of health survey reference index
- R21HS-01165-02 Time in demand and supply of medical care
- RO1HS-01529-01 A systems model for health care delivery
- ** RO1HS-01568-01 Health care evaluation project
- RO1HS-01577-01 Quality of care and an HMO automated medical record
- R21HS-01585-01 Northwestern University Medical School clinic
- RO1HS-01590-01 Evaluating an outcome based quality assurance system
- ** RO1HS-01623-01 Family investment in child health
- ** R21HS-01630-01 Multivariate analysis of health behavior
- Lipid research clinic (human)
- NO1HV-12159-04 Establishment of a lipid research clinic (human)
- NO1HV-12161-05 Establishment of lipid research clinic (human)
- NO1HV-12243-05 Lipid clinic patient registry and coordinating center
- ** NO1HV-12433-05 Therapy for hypertension in the general population
- ** NO1HV-12436-05 Hypertension therapy in the general population
- NO1HV-12437-05 Therapy for hypertension in the general population
- NO1HV-12440-08 Therapy for hypertension in the general population (human)
- ** NO1HV-12441-08 Study hypertension in general population
- NO1HV-12442-07 Therapy for hypertension in the general population
- NO1HV-22939-05 Hypertension detection and follow-up program center
- NO1HV-22945-05 Cooperative hypertension detection and follow-up study (human)
- NO1HV-33111-01 A survey of 290 twin pairs (human)
- ** NO1HV-42980-00 Acculturation and coronary heart disease among Japanese
- NO1HV-42985-00 Natural history of blood pressure from infancy into adulthood (human)
- R27MB-00018-01 Task analysis in dentistry-Computer applications
- ** PO1MH-08667-10 0015 A longitudinal epidemiology of impaired competence - Riverside community study-Retardates
- R12MH-09191-11 Diagnosis of mental disorder in U S and U K
- PO1MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
- PO1MH-11668-09 0016 Psychosocial factors in health and disease - Elective abortions
- PO1MH-11668-09 0027 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at Kodak plant
- PO1MH-11668-09 0040 Psychosocial factors in health and disease - Psychosomatic disorders among university students
- PO1MH-11668-09 0067 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at other than Kodak plant
- PO1MH-11668-09 0068 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct-Sudden death
- PO1MH-11668-09 0083 Psychosocial factors in health and disease - Rheumatoid arthritis
- PO1MH-11668-09 0101 Psychosocial factors in health and disease - Diagnostic criteria of conversion
- PO1MH-13002-06 0023 Clinical and laboratory studies of affective disorder - Unwanted pregnancy, abortion and affective disorders
- PO1MH-13002-06 0027 Clinical and laboratory studies of affective disorder - Depression in women physicians and PhD controls
- RO1MH-15900-05 Evaluating Southern mental health needs and services (Florida)
- ** PO1MH-17565-03 0003 Genetics of the XYY phenomena in man - Anthropometric and somatotype investigations (human)
- RO1MH-17900-05 Chromosome abnormality and behavioral variation (human)
- RO1MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
- RO1MH-19649-03 The impact of mental illness on the family (human)
- ** PO1MH-19966-03 0009 Psychiatric epidemiology research unit and two field studies - Master Sample Survey III (human)
- ** PO1MH-19966-03 0013 Psychiatric epidemiology research unit and two field studies - Depression survey
- ** RO1MH-20681-02 Community mental health epidemiology-Nashville, Tennessee
- RO1MH-20708-03 Prevalence of psychological distress and help-seeking
- RO1MH-20764-03 From need to service-A health center as gatekeeper (human)
- RO1MH-21724-02 Sub-cultural conceptions of mental illness
- RO1MH-21742-02 Citizen evaluation of community mental health center services
- RO1MH-21863-02 Relation of suicide to marital separation and divorce
- ** RO1MH-22035-01 Ethnic survey program
- RO1MH-22808-02 Legislative change and rural/urban MH delivery systems
- RO1MH-24884-01 Psychiatric epidemiology in Rhode Island
- RO3MH-25263-01 Factors of assaultive behavior
- RO1MH-25279-01 Life change events, risk factors and chronic disease
- RO1MH-25280-01 Early life stress, risk factors and chronic disease
- RO1MH-25417-01 Reintegrating the mentally ill in the local community
- RO1MH-26099-01 Mental health service utilization by Mexican Americans
- NO1MH-30241-00 Study of private psychiatric facilities owned by chains
- NO1MH-40083-00 Depression rating scales in psychiatric population (human)
- ** PO1NS-03358-13 0013 Sensory disease clinical research center - Presbycusis (human)
- RO1NS-10186-03 MS in American and Japanese migrants to Southern California and Seattle
- NO1NS-32304-02 Epidemiological studies of stroke risk factors in Panama
- ** NO1NS-42336-00 Incidence, prevalence and costs of intracranial neoplasms
- ** NO1NU-34003-03 Survey of public health nursing
- RO1OH-00320-07 Relation of smoking to neoplasia in asbestos workers
- RO1OH-00387-03 Accelerated silicosis in sandblasters (human)
- RO1OH-00465-03 Current trends in survivorship of radiologists (human)
- PO7RR-00015-12 0083 Medical school computer facility - Sickle cell hemoglobin patients undergoing surgery
- MO1RR-00036-14 0164 General clinical research center - Review of surgically treated hyperparathyroidism (human)
- MO1RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- MO1RR-00109-11 0035 General clinical research center - Pulmonary disease in a rural population
 MO1RR-00210-10 0032 General clinical research center - Maternal-child - Crib death and development of autonomic reflexes
 ** P07RR-00267-09 0026 Biomedical data processing unit - Minnesota coronary survey
 MO1RR-00645-03 0059 Clinical research center - Human female meiosis

POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

- NO1DE-42439-00 Mouthrinse and development of plaque in humans
 NO1DE-42443-00 Fluoridation on incidence of human caries
 ** NO1DH-44095-00 National survey of dentists practice characteristics
 ** NO1DH-44097-00 Survey of licensed dental hygienist
 ** NO1DH-44233-00 National survey of dentists practice characteristics

POPULATION SURVEYS, PUBLIC OPINION

- SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH
 NO1AA-30100-00 Nationwide alcohol abuse and alcoholism campaign
 RO1DA-01053-01 Community variations in Chicano ex-addict adaptations
 ** PO1DA-01097-01 0017 Center for socio-cultural research on drug use - Study of opinion leads
 PO1HD-06160-03 Population Research Center (human)
 ** RO1HD-06281-03 Change of attitudes toward population policy issues
 P16HS-00471-06 0019 Health services research center - Persuasive communications and informed consumer choice
 RO1MH-17159-05 Interorganizational relationships and consequences
 RO1MH-19222-02 Process and impacts of a state hospital closing
 RO1MH-19930-03 Information, values, and urban policy formation
 ** RO1MH-20006-04 The dynamics of short run social change (human)
 RO1MH-21304-03 Philadelphia assault victim study
 ** RO1MH-21742-02 Citizen evaluation of community mental health center services
 ** RO1MH-22350-02 Measures of delinquency and community tolerance
 RO1MH-24677-01 The social organization of psychological disorder
 ** RO3MH-25053-01 Lay conceptions of people who need mental health care
 RO1MH-25323-01 How policymakers and urban public sea social security
 ** RO1MH-25617-01 Alternative inner city policy
 RO3MH-26052-01 Contextual influences on individual choice behavior an)

PORCELAINS, DENTAL

SEE DENTAL MATERIALS, PORCELAINS

PORPHYRIN

SEE ANTIBIOTICS, PORPHYROMYCIN

PORPHINS

SEE ALSO PHTHALOCYANINS

SEE ALSO PORPHYRINS

RO1GM-09370-13 X-ray diffraction studies of tetrapyrrole systems

PORPHINS, CHLORINS

- RO1AM-14343-05 The role of porphyrin cations in metabolic processes
 RO1AM-14344-05 Role of porphyrin cations in metabolic processes
 RO1AM-16508-02 Analog systems for biological porphyrins
 RO1HL-15627-02 X-ray and chemical studies of metalloporphyrins

PORPHOBILINOGEN

SEE CYCLIC AMINO ACIDS, PYRROLE CARBOXYLIC ACIDS, PORPHOBILINOGEN

PORPHOBILINOGEN SYNTHASE

SEE DEHYDRATASES, 5-AMINOLEVULINATE HYDROLASES

PORPHYRIA

SEE METABOLIC DISORDERS (INBORN), PORPHYRIA

PORPHYRIA, PROTOPORPHYRIA

SEE METABOLIC DISORDERS INBORN, PORPHYRIA, PROTOPORPHYRIA

PORPHYRIA CONGENITAL

SEE METABOLIC DISORDERS INBORN, PORPHYRIA ERYTHROPOIETIC

PORPHYRIA CONGENITAL PHOTSENSITIVE

SEE METABOLIC DISORDERS INBORN, PORPHYRIA ERYTHROPOIETIC

PORPHYRIA ERYTHROPOIETIC

SEE METABOLIC DISORDERS INBORN, PORPHYRIA ERYTHROPOIETIC

PORPHYRIA HEPATIC CONGENITAL

SEE METABOLIC DISORDERS INBORN, PORPHYRIA HEPATIC CONGENITAL

PORPHYRINS

SEE ALSOHEME
 SEE ALSO METABOLIC DISORDERS (INBORN), PORPHYRIA
 SEE ALSO PHTHALOCYANINS
 SEE ALSO VITAMIN B12

- RO1AJ-09465-05 Bacterial cell membrane role in growth and cell division (also yeast)
 RO1AM-02019-17 Mechanism of bile pigment excretion (human, rats)
 RO1AM-02096-15 Metabolic studies of congenital bovine porphyria (hens, sheep)
 RO1AM-02131-17 0005 Trace lipids in cell function - Vitamin E (rats)
 PO1AM-04489-14 0007 Hematology - Non-heme iron pathways (human, swine)
 ** PO1AM-04489-14 0008 Hematology - Heme synthesis and porphyrin metabolism (human)
 PO2AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
 ** RO1AM-08064-10 Reactions of biochemical interest
 ** RO1AM-12466-10 Porphyrin heme and bile pigment metabolism (human, hens)
 ** RO1AM-13091-06 Porphyrins-Enzymatic mechanisms and control of synthesis (bacteria, cattle)
 PO2AM-13430-05 0008 Research and heredity clinic - Dubin-Johnson syndrome patients and families
 RO1AM-15189-09 Enzymatic formation of bile pigments (mice, squirrels, human)
 ** RO1AM-16508-02 Analog systems for biological porphyrins
 ** RO1AM-16995-01 Bonding in iron porphyrins
 ** RO1AM-17014-01 Porphyrin and corrinoid biosynthesis
 RO1CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
 PO1CA-15192-01 Cancer Center Support Grant Specialized
 RO1CA-15341-01 Photodynamic therapy of malignant tumors
 PO1ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
 RO1ES-00843-03 Diagnosis and therapy of chronic childhood plumbism
 RO1ES-00976-01 Screening of urban children for lead poisoning
 RO1FD-00050-12 Water content and lipid oxidation in dehydrated feeds
 RO1GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
 RO1GM-10865-15 Basic photoelectric studies in organic solid state
 ** RO1GM-11973-09 Biosynthetic intermediates of porphyrins
 RO1GM-16320-06 Biogenesis of mitochondria (yeast)
 RO1GM-19427-03 Hereditary control of organelle structure and function (algae)
 RO1GM-20032-03 Selected solid state spectral studies
 RO1GM-20276-01 Applications of magnetic circular dichroism
 ** PO1HD-02147-08 0007 Extruterine growth and development - Development and differentiation of leukocytes (human)
 RO1HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
 ** PO1HD-06321-02 0007 Genetic aspects of human fetal development - Antenatal detection of disorders of porphyrin metabolism (human)
 ** RO1HD-07894-01 Heme metabolism in fetuses, newborns and adults (animals)
 RO1HD-09026-01 Bilirubin photochemistry and pyrrole photooxidation
 PO1HL-06374-14 0010 Expansion of research in a hematologic center - Hemoglobin in blood disorders (human)
 RO1HL-14678-03 C13 and N15 labeled enzymes-Synthesis and NMR study (cattle, bacteria)
 RO1HL-14827-03 Reactivity of iron in strong ligand field environments
 RO1HL-15104-03 A mechanism for oxidative phosphorylation
 RO1HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
 RO1HL-16087-01 Structural and dynamic study of model heme complexes
 PO1HS-08711-04 0004 Fundamental studies relating to multiple sclerosis - Histochemical studies of EAE (human, animals)
 RO1OH-00309-16 Factors affecting the excretion of industrial poisons (human)
 ** MO1RR-00081-12 0029 General clinical research center, premature infants - Determination of urinary porphyrin during phototherapy
 MO1RR-00102-11 0012 General clinical research center - Lead poisoning (human)
 ** SO6RR-08060-03 Porphyrins, carcinogenic agents and air pollution (South Carolina State College)

PORPHYRINS, CHLOROPHYLL

RO1AM-13091-06 Porphyrins-Enzymatic mechanisms and control of synthesis (bacteria, cattle)

- RO1AM-14343-05 The role of porphyrin cations in metabolic processes
 RO1AM-14344-05 Role of porphyrin cations in metabolic processes
 RO1ES-00726-01 Biological effects of surfactants (plants, algae, Hydra, human, mice)
 RO1EY-00173-07 Monomolecular films to study visual processes (models, cattle)
 ** RO1GM-04922-18 Heme and chlorophyll biosynthesis (chick embryo, mice, barley)
 RO1GM-06637-15 Support of central laboratory for electron microscopy (biology)
 RO1GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
 RO1GM-11741-09 Primary redox changes in photosynthesis (bacteria)
 ** RO1GM-14595-08 0006 Continuity of cellular organelles - Chlorophyll precursor pigment (Euglena)
 RO1HL-12526-05 Raman spectra of heme proteins and related molecules

PORPHYRINS, METALLOPORPHYRINS

- ** RO1AM-14343-05 The role of porphyrin cations in metabolic processes
 ** RO1AM-14344-05 Role of porphyrin cations in metabolic processes
 ** RO1AM-16508-02 Analog systems for biological porphyrins
 RO1AM-17331-02 Organo metallic derivatives of biological compounds
 ** RO1AM-17533-01 Metalloporphyrin-Heme protein model relationships
 ** RO1GM-09370-13 X-ray diffraction studies of tetrapyrrole systems
 ** RO1GM-15238-07 Photochemical studies of molecular complexes
 ** RO1GM-18720-03 Photoelectron spectroscopy of porphyrins
 ** RO1GM-20032-03 Selected solid state spectral studies
 RO1GM-20729-01 Photobiological systems and membrane interfaces
 RO1HL-13111-03 Primary process of modified heme-oxygen interactions
 ** RO1HL-13157-05 Molecular oxygen carriers-Synthesis, structure, bonding
 ** RO1HL-13651-03 X-ray photoelectron spectroscopy of heme compounds
 RO1HL-15196-02 Theory of electronic properties of metalloproteins
 ** RO1HL-15627-02 X-ray and chemical studies of metalloporphyrins

PORPHYRINS METABOLISM DISORDERS

SEE JAUNICE
 SEE METABOLIC DISORDERS (INBORN), PORPHYRIA

PORTACAVAL SHUNT

SEE LIVER CIRCULATION, VENOUS BYPASS OF LIVER

PORTAL HYPERTENSION

SEE LIVER CIRCULATORY DISORDERS, PORTAL HYPERTENSION

PORTAL SHUNTS

SEE LIVER CIRCULATION, VENOUS BYPASS OF LIVER

PORTAL VEIN

SEE LIVER CIRCULATION, PORTAL VEIN

PORTOSYSTEMIC SHUNTS

SEE LIVER CIRCULATION, VENOUS BYPASS OF LIVER

POSITIVE PRESSURE BREATHING

SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, POSITIVE PRESSURE BREATHING

POSITRON CAMERAS

SEE RADIOASSAY, SCINTILLATION CAMERAS, POSITRON*

POSITRON SCANNERS

SEE RADIOASSAY, SCINTILLATION SCANNERS, POSITRON*

POSTGASTRECTOMY SYNDROMES

SEE GASTROINTESTINAL DISORDERS, POSTGASTRECTOMY SYNDROMES

POSTGRADUATE EDUCATION

SEE EDUCATION, POSTGRADUATE

POST-HOSPITALIZATION CARE

SEE HEALTH CARE SERVICES, PATIENT CARE, POST-HOSPITALIZATION CARE

POSTMENOPAUSE

SEE FERTILITY, SEX CYCLES, POSTMENOPAUSE

POST-MORTEM

SEE DEATH, POST-MORTEM

POSTNATAL CARE

SEE HEALTH CARE SERVICES, MATERNAL AND INFANT CARE

POSTOPERATIVE

SEE SURGERY, POSTOPERATIVE

POSTOPERATIVE COMPLICATIONS

SEE DISEASES, COMPLICATIONS, POSTOPERATIVE

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POSTPARTUM

SEE PREGNANCY, POSTPARTUM

POSTURAL HYPOTENSION

SEE CARDIOVASCULAR DISORDERS, HYPOTENSION POSTURAL

POSTURE

SEE SKELETAL MOVEMENT, POSTURE

POTASSIUM

SEE ALSO BODY FLUID BALANCE, IONIC, HYPERKALEMIA

SEE ALSO BODY FLUID BALANCE, IONIC, HYPOKALEMIA

RO1AI-09503-05 Physiology of insect diapause and development

PO1AM-00002-28 0011 Metabolic and hereditary disorders - Lipoproteins and lipid transport (human, cattle)

** RO1AM-02290-15 Source and significance of gastric juice potassium (human, dogs)

RO1AM-02827-15 Water and electrolyte fluxes across gastrointestinal mucosa (human, dogs, rats)

PO1AM-06741-12 0030 Dialysis in treatment of chronic uremia - Bone electrolyte research (dogs)

RO1AM-07140-10 Formyltetrahydrofolate synthetase (bacteria)

RO1AM-07369-12 Transport studies in experimental renal disease (human, rats)

PO1AM-07462-11 0060 Hormonal regulation of metabolism - Sodium and potassium ion-transport ATPase of guinea pig kidney

** RO1AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)

PO1AM-09976-09 0003 Renal disease - Pathophysiological adaptations of nephron reduction (rats, dogs)

R22AM-09980-09 0003 Infantile diarrhea and malnutrition (Peru, Baltimore) - Metabolic studies (human)

PO2AM-10202-08 0002 Studies in human nutrition - Protein requirements of teenage pregnancy (human, rats)

RO1AM-10451-09 Enzyme secretion and its metabolic control (rats)

RO1AM-11242-08 Regulation of lower esophageal sphincter (opossum)

RO1AM-11356-07 Ion transfer and metabolism in mammalian red cells (human, dogs)

RO1AM-12452-06 Function and degradation of thyroxine (human, rats, primates)

RO1AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs

RO1AM-12934-05 Physiology of the secretion of sweat (human, cats, rats, primates)

RO1AM-13023-06 A physical approach to stone formation

RO1AM-13113-06 Electrolyte transport in single nephrons (rats)

RO1AM-13484-05 Solute water transport across membranes (frogs)

** RO1AM-13601-03 Na-K-ATPase and renal tubular transport of sodium (rats, dogs)

RO1AM-13859-04 Renal chloride excretion (dogs, rats)

RO1AM-13981-05 Physiological aspects of membrane cation transport (human, goats)

RO1AM-14225-04 Hydrogen ion regulation by the mammalian nephron (human, dogs)

** RO1AM-14423-04 Cellular mechanisms of renal potassium excretion (rats, amphiuma)

** RO1AM-14600-02 Total body potassium in diabetes mellitus (human)

RO1AM-14677-04 Transport properties of isolated perfused nephrons (rabbits)

RO1AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)

RO1AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)

RO1AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)

RO1AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)

RO1AM-15251-04 Control mechanisms of ion and electron transfer

RO1AM-15450-03 Studies on mammalian collecting duct function

RO1AM-15464-02 Calcium isotopic composition in metabolic disorders

RO1AM-15564-03 0005 Secretion and hormonal integration of exocrine organs - Ion and water transport in mucosa (frogs, mammals)

RO1AM-15564-03 0007 Secretion and hormonal integration of exocrine organs - Cation permeability in vitro (frogs)

RO1AM-15823-03 Renal transport of uric acid in gout (chickens)

RO1AM-15883-03 Effect of acid-base changes on renal K transport (frogs)

RO1AM-16153-03 Mechanism of termination of calcium mediated secretion (cows)

** RO1AM-16196-03 Cation transport in erythrocytes (sheep, goats)

RO1AM-16275-02 Ion transport by mammalian small intestine (rabbits)

PO1AM-16281-02 0004 Uremia-pathogenesis, effects, and possible prevention - Excretion pattern for solutes other than sodium (dogs)

** PO1AM-16281-02 0011 Uremia-pathogenesis, effects, and possible prevention - Potassium control system (rats)

RO1AM-16483-01 Purification of active fragments of the sodium pump

RO1AM-16528-03 The activation mechanism of skeletal muscle (frogs)

RO1AM-16586-01 Transport and the intracellular fluids (Drosophila, chironomidae, toad)

** RO1AM-16638-02 Studies of uremia and exchanges of ions and water

RO1AM-16663-03 Electrophysiology of skin and kidney tubules (frogs, rabbits)

RO1AM-16747-01 Blood brain barrier and carbohydrate metabolism (dogs, rabbits)

** PO1AM-16764-02 0004 Disorders of renal acidification - Renal tubular transport of sodium and potassium (human)

** P17AM-17026-01 0025 Vanderbilt University Diabetes-Endocrinology Center - Mechanism of sodium-potassium ion transport ATPase (guinea pigs)

RO1AM-17074-01 Role of bone membranes in calcium regulation

RO1AM-17081-01 CA02 release from sarcoplasmic reticulum (frogs)

RO1AM-17153-01 Mechanisms of bile secretion-Role of sodium transport

RO1AM-17230-01 Nephron response to systemic acid base disturbances

RO1AM-17326-02 Studies of pituitary hormone secretion and synthesis

RO1AM-17361-01 Gut sugar transport-Electrophysiology and energetics

RO1AM-17414-01 Molecular aspects of NA-coupled transport

** PO1AM-17433-01 0001 Cardiovascular, metabolic aspects of membrane transport - Ion transport across single nephrons (Necturus, Amphiuma, rats)

** PO1AM-17433-01 0003 Cardiovascular, metabolic aspects of membrane transport - Cellular mechanisms of sodium and potassium transport (rats, amphiuma)

** PO1AM-17433-01 0006 Cardiovascular, metabolic aspects of membrane transport - Potassium excretion in renal insufficiency (rats)

PO1AM-17433-01 0008 Cardiovascular, metabolic aspects of membrane transport - Effects of lithium on renal function (rats, human)

** PO1AM-17433-01 0011 Cardiovascular, metabolic aspects of membrane transport - Potassium and sodium transport in Amphiuma bladder

** PO1AM-17433-01 0015 Cardiovascular, metabolic aspects of membrane transport - Cation transport and metabolism in abnormal red cells (human)

PO1AM-17433-01 0016 Cardiovascular, metabolic aspects of membrane transport - Cation transport mechanisms in normal and abnormal cell (human, goat, sheep, dog)

PO1AM-17433-01 0018 Cardiovascular, metabolic aspects of membrane transport - Membrane transport mutants of somatic cells (human, mice)

PO1AM-17433-01 0020 Cardiovascular, metabolic aspects of membrane transport - Electrogenic sodium transport in cardiac Purkinje cells (mammals)

RO1AM-17571-01 Molecular mechanism of active transport

RO1AM-17593-01 Numerical solution of renal transport equations

** RO1AM-17793-04 Relation of potassium, metabolism, hormones to cell pH (rats)

RO1AM-18130-01 Insulin and human growth hormone-Secretion and metabolic actions

NO1AM-42213-00 Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs)

RO1CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)

RO1CA-06734-12 Mechanisms of solute transport in animal cells (rats)

** PO1CA-13330-03 0055 Cancer research program - Control mechanisms of ion and electron transfer

RO1CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)

RO1DA-00139-03 Experimental drug abuse (monkeys)

RO1DE-04081-01 Intracellular calcium metabolism in salivary glands

PI0ES-00210-07 0027 Center for environmental management - Prediction of effects of environmental toxicants

NO1ES-22110-06 Noise and ototoxic drugs on hearing loss (guinea pigs)

RO1EY-00484-07 Intraocular transport (rabbits, rats, sheep)

RO1GM-03545-20 Metabolism and active ion transport in frog skin

** RO1GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of K⁺ and other ions in cells (frogs)

RO1GM-11422-11 0003 Cell water, ions and control mechanisms - Cooperative transition and its control in cell function (frogs)

** RO1GM-11494-11 Ion transport in tissues of hibernating mammals

PO1GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)

PO1GM-12847-10 0020 Molecular biology of membrane systems - Fusion of biological membranes

PO1GM-12847-10 0022 Molecular biology of membrane systems - Transprotonase and energized release of protons

PO1GM-13242-09 UCLA interscience research project

RO1GM-15320-07 Electrolyte kinetics in surgical patients (human, dogs)

P11GM-15559-07 0033 Clinical pharmacology - Drugs at the cellular and sub-cellular level (rats)

P11GM-15559-07 0040 Clinical pharmacology - Analytical biochemistry in clinical pharmacology

RO1GM-15692-07 Red cell ion transport and lipid bilayers (human, dogs, flies)

RO1GM-15761-06 Genetic study of ion transport in Neurospora

PO1GM-16593-06 0018 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Na and K movement into red blood cells in presence of contrast media

RO1GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)

PO1GM-18674-03 0001 Diagnostic radiology research and training center - Renal perfusion and vascular reactivity in normal and hypertensive man

PO1GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)

RO1GM-19807-02 0001 Membrane permeability as a regulatory element - Glycolytic control (plants, fungi)

RO1GM-20726-01 Potassium ion transport in liver mitochondria (rats)

RO1GM-21423-01 Transport activity during lymphocyte stimulation (mice)

RO1GM-21681-11 Circulation and fluid volumes in burns (rodents, cats, dogs, primates, human)

PO1GM-21797-01 0001 The traumatized patient - Shock (human, baboons)

** RO1HD-00727-09 Placental transfer of mineral elements (guinea pigs)

RO1HD-01233-19 Sites and reactants in amino acid transport (rabbits, rats, birds, bacteria)

PO1HD-02274-08 0004 Mental retardation and child development - Central laboratory for human embryology (and animals)

PO1HD-03015-08 0002 Program for developmental biology - Sodium dependent amino acid transport after fertilization

RO1HD-03326-07 0001 Effects of early nutrition on growth and development - Metabolic studies (human)

RO1HD-05914-02 Blastocyst expansion (rabbits)

PO1HD-06267-03 0001 Role of biological membranes in aging processes - Changes in cardiac membrane properties (rats)

PO1HD-06276-03 0076 Mental retardation research program - Release of norepinephrine from cat brain in vivo, with infusion of potassium

RO1HD-06963-09 Properties of smooth muscle (rats)

RO1HD-07213-02 Role of ions in activation of the egg (sea urchins)

NO1HD-42849-00 Isolation of gonadal cell membranes and gonadotropin binding sites

** RO1HL-01974-20 Ion-pump in the erythrocyte (rabbits, guinea pigs)

RO1HL-02875-16 Mechanism of the action of cardiac glycosides (dogs)

RO1HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)

RO1HL-03180-17 Relation of lymphatics to cardiopulmonary function (dogs, human)

RO1HL-03212-17 Myocardial physiology (rabbits, cats)

RO1HL-04801-14 Cardiac conduction and cardiac contraction (dogs)

PO1HL-06285-14 0159 Cardiovascular-respiratory physiology and biochemistry - Heart rate and coronary blood flow in congestive heart failure (human)

PO1HL-06308-14 0030 Mechanisms and therapy of circulatory disease - Relation of ionic movements, electrical and mechanical activity of muscle (frogs)

PO1HL-06664-13 0021 Cardiopulmonary function in remediable vascular disease - Cardiac glycoside binding to normal ischemic myocardium (human, animal)

PO1HL-07762-12 0004 Cardiovascular control by neural and chemical systems - Modeling of the circulatory system

** RO1HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)

PO1HL-08195-12 0025 Circulatory physiology - Control of cyclic nucleotide levels in rat ductus deferens

RO1HL-09234-10 Amino acids of contractile proteins of failing hearts (dogs, hamsters)

RO1HL-09921-09 0015 Mechanisms of congestive heart failure - Aldosterone secretory rate and concentration in plasma

RO1HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)

RO1HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)

** RO1HL-10612-08 0002 Humoral factors in experimental heart failure - Effects of renal arterial infusion of sodium and potassium on renin secretion (d)

RO1HL-10879-08 Role of chemicals in local blood flow regulation (dogs)

RO1HL-10884-08 Cardiac glycosides-Mechanisms of cellular action (human, animals)

PO1HL-11662-07 0002 Regulation of fluid, electrolyte and acid-base balance - Microperfusion of isolated tubules (dogs, rats, rabbits)

(contd)

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P01HL-12157-07 0027 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Active Na and K transport (guinea pigs)
 P01HL-12157-07 0031 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Aromatic anion effects on ion selectivity
 P01HL-12157-07 0032 Functions and mechanisms of cell membrane ion transport - Active K and Na transport in HK and LK sheep red cells
 R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
 R01HL-12758-13 Regulation of aldosterone secretion (human, rats)
 R01HL-12792-05 Local control of the microcirculation (hamsters, rats)
 R01HL-12990-05 Control of ADH secretion and metabolism (dogs, rats, rabbits)
 R01HL-13237-04 Erythrocytes during early development (human, animals)
 R01HL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)
 R01HL-13349-05 Analysis of activation process in heart muscle (guinea pigs, rabbits, human)
 R01HL-13513-03 Use of cell inhomogeneity to understand cation fluxes (dogs)
 R01HL-13647-03 Mechanisms controlling renal reabsorption of sodium (rats, neoturus)
 R01HL-13802-04 Studies of human platelet inositides
 R01HL-13872-16 0002 Body composition and metabolic care in surgery - Muscle surface cationic electrometry (human)
 R01HL-13872-16 0003 Body composition and metabolic care in surgery - Role of IV carbohydrate and fat infusion during starvation (human)
 ** R01HL-13872-16 0009 Body composition and metabolic care in surgery - Circadian rhythms (squirrel monkeys)
 R01HL-13921-03 Interaction between electrolytes and respiration (human, rats)
 ** R01HL-13924-03 Mode of action of acetylcholine (rabbits, cats)
 R01HL-14075-03 Metabolism and intrarenal action of angiotensin II (dogs)
 P17HL-14192-04 0005 Specialized center of research in hypertension - Recognition and management of the syndrome of low renin essential hypertension
 P17HL-14230-04 0053 Lipids, atherosclerosis and thrombosis - Excessive sodium intake and deprivation (human)
 ** R01HL-14315-03 Adrenergic cardiovascular effects-Role of potassium
 P01HL-14322-03 0017 Interdisciplinary program in biomaterials science - Transport mechanism in synthetic membranes and biological tissues
 ** R01HL-14328-03 Physiological regulation of ion transport and volume (human)
 R01HL-14516-03 Dynamics of metabolic control of muscle blood flow (dogs)
 R01HL-14535-03 Intrarenal aspects of the renin-angiotensin system (sheep,rats, rabbits)
 R01HL-14641-09 Phosphate metabolism in transport (human)
 R01HL-14644-03 Optimization diastolic augmentation and systolic sink (dogs)
 R01HL-14739-03 The role of leukocytes in thrombotic disease (human, rabbits)
 R01HL-14775-03 Mechanisms of drug action in vascular smooth muscle (dog, rabbits)
 R01HL-14784-03 Micropuncture studies on the mammalian renal medulla (rats)
 R01HL-14863-02 Hypertension in man-Role of renin-aldosterone
 R01HL-14982-02 Mechanism of renin release and angiotensin metabolism (human, dogs)
 P18HL-15157-03 0004 Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
 P18HL-15170-03 0013 Comprehensive sickle cell disease center - Effect of sodium and potassium cyanate treatment on hormone action (human)
 R01HL-15571-02 Water and electrolytes in health and disease (human, rats, fish)
 R01HL-15813-01 Cardiac anoxia-Protective effect of carbohydrate (dogs)
 R01HL-16052-01 Cardiac glycosides-Mechanism of inotropic action (dogs, sheep)
 ** R01HL-16055-01 Cardiovascular drugs and the NaOKO-ATPase (rats, guinea pigs)
 ** R01HL-16158-01 Potassium and sodium effects on the working heart (dogs, guinea pigs)
 R01HL-16190-01 Effects of prostaglandins on human erythrocytes
 R01HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
 R13HL-16323-01 Properties and functions of NaO, KO-ATPase
 R01HL-16417-01 Extrinsic fluorescence and membrane potentials
 R01HL-16611-01 Digitalis-receptor of the heart
 R01HL-16647-01 Studies on control of sickle cell crisis (human)
 R01HL-16746-01 Design of ion-selective molecules

R01HL-16778-01 Cardiac pharmacology of phenothiazine metabolites
 P01HL-16851-01 0007 Human red cell membrane in health and disease - Transport across erythrocyte membrane components
 R01MH-16841-06 0010 Effect of central nervous system lesions on drug action - Characteristics of evoked potentials from isolated olfactory cortex (guinea pigs)
 R01NS-03304-13 0004 Proteins in excitable membranes - Monocellular electrofax and membrane excitability studies
 R01NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
 R01NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
 R01NS-04618-11 Drug-receptor interactions (animals)
 R01NS-05188-11 Ion movements and permeability of axon membranes (annelids, frogs, rats)
 R01NS-05430-09 Changes in brain microsomal structure and composition (rats, rabbits, fish)
 R01NS-06477-09 Cellular mechanisms in focal epileptogenesis (cats)
 R01NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
 R01NS-07540-07 Sympathetic ganglia following conditioning (frogs)
 R01NS-07626-13 Tracer fluxes and net fluxes across cell membranes (squid)
 R01NS-07681-07 Physiology of muscle function (frogs, amoeba)
 P01NS-07938-06 0010 Peripheral and central nervous system - Transduction mechanism in photoreceptors (barnacles)
 R01NS-08174-06 Molecular properties of ionic permeability in nerve (frogs)
 R01NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
 R01NS-08336-14 Ion fluxes in nerve and muscle (squid, barnacles)
 R01NS-08346-07 Long-term interactions of neurons and glia (neoturus, crustaceans)
 R01NS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
 R01NS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
 R01NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
 R01NS-08951-06 Permeability mechanisms in excitable membranes (squid)
 R01NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
 R01NS-09622-03 Thiamine and disorders of brain metabolism (human, rats,lobsters)
 R01NS-09975-02 Ion transport mechanisms in seizure
 ** R01NS-10366-03 Mechanism of formation of cerebral cortical edema (primates)
 R01NS-10384-03 Drug actions on CMS metabolism (cats)
 R01NS-10489-03 Nerve excitation-Molecular mechanisms (squid)
 R01NS-10799-01 Cerebral cortical edema in arteriovascular stroke (primates)
 P01NS-10981-02 0002 Control of activity in excitable tissues - Studies on gating phenomena in nerve (squid, crayfish)
 P01NS-10981-02 0011 Control of activity in excitable tissues - Metabolic pathways in resting frog sartorius muscles
 P01NS-10981-02 0013 Control of activity in excitable tissues - Activation of contraction in single short muscle fibers (frogs)
 R01NS-11050-02 Functional significance of cerebrospinal fluid (hagfish, skate, sharks)
 ** R01NS-11223-02 Regulation of ionic specificity of the sodium pump (squid)
 ** R01NS-11362-01 The epilepsies- Na and K pump within brain synapses (cats)
 R01NS-11429-01 Metabolic regulation of membrane permeability (mollusks)
 R01NS-11453-01 Ionic movements across nerve cell body membranes (Aplysia)
 R01NS-11544-01 Integration and regeneration in the nervous system (leeches)
 R01NS-11676-01 Time dependant phenomena in claimed excitable membranes
 R01NS-11764-02 Fluctuation phenomena and ion movements in membranes (squid)
 ** R01NS-11815-04 Defective ion movement in muscular dystrophy (mice, rat, hamster, chicken, human)
 R01NS-22329-02 No-reflow phenomenon (monkeys)
 P07RR-00007-11 0305 Computer processing in biomedical systems - Sodium potassium active transport process
 M01RR-00035-14 0122 General clinical research centers - Regulation of aldosterone in anephric patients
 M01RR-00036-14 0193 General clinical research center - Control of potassium excretion in renal failure (human)
 M01RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
 M01RR-00048-13 0034 Clinical center - Hypokalemia with normal blood pressure (human)

M01RR-00056-13 0053 General Clinical Research Center - Effect of postures on cycles of renal and adrenal function (human)
 M01RR-00059-13 0153 General clinical research center - Effects of dietary sodium and potassium on blood pressure (human)
 M01RR-00095-14 0063 General clinical research center - Insulin inhibition of insulin secretion (human)
 ** M01RR-00109-11 0023 General clinical research center - Effect of urinary ammonia excretion on potassium excretion (human)
 ** M01RR-00109-11 0049 General clinical research center - Effect of potassium on urine acidification (human)
 ** M01RR-00133-10 0061 General clinical research center - Angiotensin or potassium in renal blood flow and renin secretion (dogs)
 ** M01RR-00533-06 0037 General clinical research center, adult - Aldosterone on skeletal muscle potassium metabolism (human)
 ** M01RR-00533-06 0039 General clinical research center, adult - Mechanism of adaptation to high potassium loading in man
 M01RR-00633-02 0070 General clinical research center - Relationship PRA, ACTH, K , Na , MGH and aldosterone in aldosteronism (human)
 M01RR-00645-03 0006 Clinical research center - Malignant hypertension (human)
 P07RR-00679-02 0007 Biotechnology resource in electronprobe analysis - Potassium, sodium and chlorine ions in mouse gastric mucosa
 M01RR-00828-01 0041 General clinical research center - Body composition in respiratory failure (human)
POTASSIUM RADIOISOTOPES (38,40,42,43)
 SEE RADIOISOTOPES, POTASSIUM
POTASSIUM CHLORIDE
 R01NS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
 M01RR-00229-09 0003 General clinical research center - Hypo- and hyperalemic periodic paralysis (human)
POTASSIUM DEFICIENCY (DEPLETION)
NUTRITIONAL
 SEE METAL DISORDERS AND IMBALANCES, POTASSIUM DEFICIENCY
POTASSIUM LOSING KIDNEY DISEASE (BARTTER'S SYNDROME)
 SEE METABOLIC DISORDERS INBORN, BARTTER'S SYNDROME
POTASSIUM-SODIUM PUMP
 SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, SODIUM PUMPS
POTENTIALS
 SEE ELECTROPOTENTIALS
POTENTIATION
 SEE DRUGS AND PHYSICAL AND/OR CHEMICAL-AGENTS INTERACTION
 SEE DRUGS INTERACTION
 SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)
POTENTIOMETRIC TITRATIONS
 SEE ELECTRIC TITRATIONS*
POTENTIOMETRY
 SEE ELECTRICAL MEASUREMENTS, POTENTIOMETRY*
POULTRY PRODUCTS
 SEE FOOD, POULTRY PRODUCTS
POWASSAN VIRUS
 SEE VIRUSES, ARBOVIRUSES B, POWASSAN VIRUS
POWDER, TOPICAL
 SEE CONSUMER PRODUCTS, POWDER
POWDERS (DOSAGE FORM)
 SEE DOSAGE FORMS
POXVIRUSES
 SEE VIRUSES, POXVIRUSES
PPL0
 SEE BACTERIA, MYCOPLASMALES, MYCOPLASMA*
PPL0 PNEUMONIA
 SEE RESPIRATORY DISORDERS, PNEUMONIA MYCOPLASMA (PPL0)
PRACTICE IN LEARNING
 SEE PSYCHOLOGY, LEARNING, REHEARSAL
PRACTOLOL
 SEE PHENYLAMIDES, PRACTOLOL
PRADER-WILLI SYNDROME
 SEE METABOLIC DISORDERS INBORN, PRADER-WILLI SYNDROME
PRALIDOXIME
 SEE PYRIDINES, PRALIDOXIME

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PRAUSNITZ-KUSTNER REACTION

SEE HYPERSENSITIVITY, SKIN SENSITIZING ANTIBODY

PRAWN

SEE ARTHROPODS, CRUSTACEANS, MALACOSTRACA, DECAPODS*

PRAYING DISEASE

SEE METALS POISONING, SELENIUM POISONING

PREADMISSIONS, PREADMISSION CARE

SEE HEALTH CARE SERVICES, PATIENT CARE, PREADMISSIONS

PRE-BETA LIPOPROTEINS

SEE LIPOPROTEINS BLOOD, VLDL

PREBIOTIC EVOLUTION

SEE BIOLOGY, SYSTEMATIC, EVOLUTION BIOCHEMICAL

PRECANCEROUS CONDITIONS

SEE NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS

PRECIPITATION

SEE PHYSICAL PROPERTIES, PRECIPITATION

PRECIPITIN TECHNIQUE

SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, PRECIPITIN TECHNIQUE*

PRECIPITINS

SEE IMMUNOLOGY, ANTIBODIES, PRECIPITINS

PREDIABETIC STATE

SEE METABOLIC DISORDERS (INBORN), DIABETES, PREDIABETIC STATE

PREDICTION OF BEHAVIOR

SEE PSYCHOLOGY, BEHAVIOR PREDICTION

PREDICTION OF DISEASE OUTCOME

SEE DISEASES, PROGNOSIS

PREDISPOSITION TO DISEASE

SEE DISEASE PRONESS

PREDNISOLONE

SEE ADRENAL CORTEX HORMONES ANALOGS, PREDNISOLONE

PREDNISONE

SEE ADRENAL CORTEX HORMONES ANALOGS, PREDNISONE

PREFERENCES (PSYCHOLOGY)

SEE PSYCHOLOGY, CHOICES AND PREFERENCES

PREGANGLIONIC FIBERS

SEE NERVOUS SYSTEM, GANGLIA, PREGANGLIONIC FIBERS

PREGNANCY

SEE ALSO CONGENITAL ABNORMALITIES

SEE ALSO EMBRYOLOGY

SEE ALSO EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION

SEE ALSO FAMILY PLANNING

SEE ALSO HEALTH CARE SERVICES, MATERNAL AND INFANT CARE

SEE ALSO HEALTH SCIENCES PROFESSIONS, OBSTETRICS

SEE ALSO NUTRITION, MATERNAL NUTRITION

** R01AA-00688-01 Alcohol use during pregnancy and pregnancy outcome (human)

R01AI-10587-02 Epidemiology and history of urinary tract infections

R01AI-10735-02 Immunity against enteric viral infections (swine, rabbits)

** R01AI-12085-01 Alterations of immune response during pregnancy (mice)

R01AI-12221-01 Mechanisms of toxicity of bacterial endotoxin (sheep, mice)

P01AI-12381-01 0020 Center for study of sexually transmitted diseases - Sexually transmissible conditions and perinatal and maternal morbidity

N01AI-42533-00 Physiologic suppression of cell-mediated immune response

P01AM-00002-28 0013 Metabolic and hereditary disorders - Chromosomal disorders (human)

R01AM-01738-16 Proteins hormones in the body fluids of man

R01AM-03932-14 Copper metabolism in the rat

R01AM-05976-13 Carbohydrate and ketone body metabolism (sheep)

R01AM-06097-20 Pituitary lactogenic and gonadotropic hormones (human, animals)

R01AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)

R01AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)

R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)

** P02AM-10202-08 0002 Studies in human nutrition - Protein requirements of teenage pregnancy (human, rats)

** R01AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)

R01AM-12333-08 Studies in gastrointestinal physiology (dogs, human)

P02AM-13083-06 0078 Organ transplantation - Human antibodies cytotoxic for lymphocytes

R01AM-13526-05 Amine acids and hormones in gluconeogenesis and obesity (human)

R01AM-13941-05 Proinsulin secretion and biological activity (human)

R01AM-15498-03 Hepatotoxicity of tetracyclines and other drugs (rats)

R01AM-15631-03 Hepatic and biliary alterations in cholelithiasis (human, hamsters)

R01AM-15810-03 Studies of thyroid hormone metabolism (human)

R01AM-16768-03 Radioimmunoassay of parathyroid hormone in man

R01AM-17357-01 Effect of exercise on adipose tissue cellularity (rats)

P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)

R01CA-07093-12 Tyrosinases-Mechanism of action and regulation (human, rodents, pigs)

P02CA-07177-11 0015 Clinical cancer research center - The role of tumor specific antigens in malignancy of breast cancer (human)

P01CA-08748-09 6309 Research program of Sloan-Kettering Institute - Biological effectiveness (RBE) of neutron-radiation on embryogenesis (rats)

P01CA-10815-06 0041 Consolidated basic cancer research program - Identify carcinogenic metabolites of chemical carcinogens (mammals)

R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)

R01CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)

P02CA-13148-03 0023 Pilot cancer center - Silent herpetic cervical infections in pregnant women

P02CA-13943-02 0023 Clinical pharmacology immunology cancer research center - Effect of blocking immune factors on antitumor immunity to mouse mammary cancer

P02CA-15145-01 0002 Cancer center support grant - Prostaglandin and LH action in corpus luteum

** N01CP-43283-00 Study of time trends in maternal x-ray exposure (human)

R01DA-00114-03 Effect of narcotic agents on brain metabolism (rats)

** R01DA-00122-03 Methadone fate in the pregnant subject, fetus and newborn (rats, sheep)

** R01DA-00141-03 Cannabinoids during pregnancy and interaction with drugs (mice, rats)

** R01DA-00250-03 0005 Research center-Studies of drug dependence and abuse - Intrauterine environment in drug addiction pregnancy (human)

** R01DA-00250-03 0018 Research center-Studies of drug dependence and abuse - Narcotic addiction in pregnant women and newborns

** R01DA-00276-07 Effects of prenatal malnutrition on drug sensitivity

** R01DA-00325-02 Narcotic addiction during pregnancy and its sequelae (human)

R23DE-03866-01 Effects of sex steroids on gingival glycosaminoglycans

** R23DE-03947-01 Female sex hormone mechanism in pregnancy gingivitis

N01ES-32102-03 Effects of environmental components on reproduction and ontogenesis (mammals)

P01GM-15253-08 0036 Genetics in medicine-Gene action in man - Functioning and modification of the embryonic genome during preimplantation (mic)

P01GM-19100-03 0007 Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)

P01GM-19489-03 0032 Study of human genetics - Hemoglobinopathies, particularly sickle cell anemia

P01GM-19513-03 0012 Human genetics - Genetic effects of family planning and limitation

R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)

R01HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)

R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)

N01HD-02251-07 Human chorionic gonadotropin (HCG) studies

P01HD-02274-08 0092 Mental retardation and child development - The mother (human, mammals)

** R01HD-02378-09 Hormone metabolism in reproduction (human, rabbits)

R01HD-02455-08 Metabolic and endocrine effects of peptide hormones (human, monkeys)

** P01HD-02528-08 0050 Research center in mental retardation - Hormonal control of preimplantation stages of pregnancy (rats)

R01HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)

R01HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)

R01HD-03472-12 Physiology of mammalian fertilization (rodents, rabbits)

R01HD-03968-14 Reproductive physiology in the Rhesus monkey

R01HD-04063-06 Growth hormone and prolactin (humans, animals)

R01HD-04375-04 Role of light in CNS-pituitary-gonadal control (rats)

** P01HD-05318-04 0002 Reproductive endocrinology - Studies in rats

** P01HD-05318-04 0003 Reproductive endocrinology - Studies in humans

** P01HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)

R01HD-05384-03 Nutritional aspects of purine metabolism (rats)

R01HD-05387-04 Comparative study on the fetus-placental unit (sheep)

R01HD-05394-04 Amino acids and prenatal brain development (rats)

** R01HD-05572-03 Renal functional correlates of normal pregnancy (rats)

R01HD-05622-04 Factors controlling the timing of LH release (rats, rabbits)

R01HD-05637-03 Reproductive cycles and social behavior of primates (monkeys)

P01HD-05671-03 0003 Center for population research - Mechanisms of contraceptive action of copper wire in rats

** P01HD-05671-03 0007 Center for population research - Screening of compounds for antifertility activity (mammals)

** P01HD-05671-03 0035 Center for population research - Dopa, methyl dopa and CBS 145 on pregnancy, progesterone and prolactin (rats)

** P01HD-05671-03 0040 Center for population research - Factors governing pregnancy maintenance and termination (monkeys, rabbits)

** R01HD-05736-04 Significance of pregnancy-associated plasma proteins (human, rodents)

R01HD-05750-03 Cortisol receptors in cultured mammary cells (cattle)

** P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)

** P01HD-05797-04 0011 Population and reproductive biology - Characterization of progesterone receptor proteins in uteri of mammals

** R01HD-05853-03 Pregnancy, birth control and abortion (human)

R01HD-05897-04 Cell biology of steroid-secreting cells (mice, guinea pigs)

R01HD-05935-03 Anesthetic and myometrial contractility (human, rats)

P01HD-05969-03 0003 Events that control fertilization - Metabolism and metabolic control of ovary (Rhesus monkey)

P01HD-05969-03 0011 Events that control fertilization - Selection of sexual partners by female pigtail macaques

R01HD-06069-03 Effects of prostaglandins on myometrial metabolism (rhesus monkeys)

P01HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)

P01HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)

P01HD-06274-03 0006 Reproductive biology - Oviductal and uterine environment (rabbits, monkeys)

R01HD-06387-03 Polyamine metabolism in reproductive physiology (rats)

R01HD-06406-03 Regulation of uterine blood flow (monkeys)

R01HD-06458-02 Neonatal mineral metabolism

** R01HD-06467-03 Role of fetal-placental unit in maintenance of pregnancy (rats, monkeys)

R01HD-06513-03 Prostaglandin and LH action in corpus luteum (rats, rabbits, swine)

** R01HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)

R01HD-06633-02 Radioimmunoassay of relaxin and its applications (human, sheep)

** P01HD-06645-03 0009 Center for population research - Role of gonadotropins in pregnancy and in spermatogenesis (monkeys, sheep)

R01HD-06883-01 Control of steroid hormone biosynthesis in pregnancy (human)

P01HD-06915-02 0001 Maternal malnutrition and fetal development - Antenatal diagnosis of fetal malnutrition (human)

** R01HD-06962-02 Effect of dietary PUFA-vitamin E on dam and progeny (swine)

** P01HD-07110-02 0019 Biomedical center for population research - Effects of pharmacologic agents on smooth muscle (human)

** P01HD-07110-02 0023 Biomedical center for population research - Smooth muscle (human, rats)

** R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)

** R01HD-07181-03 Placental thyrotropins biochemistry and physiology (human)

P01HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)

** P01HD-07256-03 0002 Child health and development studies - Analysis of sequential pregnancies (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HD-07447-01 Chemistry and physiology of placental lactogen (humans sheep)
 ** R01HD-07689-02 Functional luteolysis in primates—Role of estrogen
 ** R01HD-07856-01 Role induction in pregnancy (human)
 R01HD-07923-02 0002 Steroid hormone metabolism - Progesterone binding to myometrium (human, mammals)
 ** R01HD-08407-01 Reproduction in women whose red cells contain hemoglobin S
 ** R01HD-08552-01 Role of relaxin in gestation and parturition (swine, rabbits, rodents)
 P01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
 ** M01HD-12850-01 Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human)
 ** R01HL-03941-15 Uterine blood flow and changes in pregnancy (sheep)
 ** P01HL-06285-14 0171 Cardiovascular-respiratory physiology and biochemistry - Serial measurement of cardiovascular function during pregnancy (human)
 P01HL-06835-13 0006 Cardiovascular disease - Atherosclerosis (human, dogs, rats, rabbits)
 P01HL-09814-09 0043 Research program— Cardiovascular and related disease - Relation of serum glucagon to insulin levels in inappropriate insulin responses
 R01HL-10567-09 Erythropoietin-immunoassay and characterization (human, mice, rabbits)
 M R01HL-10612-08 Humoral factors in experimental heart failure
 R01HL-10612-08 0004 Humoral factors in experimental heart failure - Renin release during sodium depletion (dogs)
 ** R01HL-10933-09 Fat metabolism and experimental atherosclerosis (rabbits, rats)
 R01HL-10940-09 Lipid transport (rats, rabbits)
 P01HL-11414-07 0006 Thrombosis and atherosclerosis program - The role of renin in the maintenance of blood pressure (dogs)
 ** R01HL-12557-06 Effects of steroids and pregnancy on arteries and veins (guinea pigs)
 ** P17HL-14230-04 0013 Lipids, atherosclerosis and thrombosis - Dietary cholesterol and hypercholesterolemia of pregnant women
 P17HL-14230-04 0039 Lipids, atherosclerosis and thrombosis - Platelet function and inhibition of platelet function (human, rats)
 ** P17HL-14230-04 0081 Lipids, atherosclerosis and thrombosis - Sterol balance studies in pregnancy (human)
 ** P17HL-14230-04 0082 Lipids, atherosclerosis and thrombosis - Bile composition during pregnancy (human)
 P18HL-15161-03 0010 Comprehensive sickle cell disease center - Coagulation fibrinolysis, and platelets in sickle cell disease (human)
 P18HL-15168-03 0002 Comprehensive sickle cell disease center - Patient service program
 ** P18HL-15170-03 0029 Comprehensive sickle cell disease center - Pregnancy in sickle cell patients
 R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
 P01HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
 ** P18HL-16005-01 0014 Comprehensive sickle cell center of the University of Chicago - Erythropoietic stimulating factor and hemoglobin variants (human, mice)
 ** R01HL-16193-01 Blood pressure, electrolyte regulation in pregnancy (rabbits, rats)
 M P01HL-16851-01 Human red cell membrane in health and disease
 R01HL-16952-01 Cardiovascular pathology (rats, dogs, swine, human)
 ** R01MH-08604-11 0001 Psychobiology of maternal behavior - Development during pregnancy and parturition (rats)
 R01MH-08604-11 0005 Psychobiology of maternal behavior - Hormonal changes in maternal behavior after hysterectomy (rats)
 ** P01MH-11668-09 0080 Psychosocial factors in health and disease - Drug usage in pregnant teenagers
 ** P01MH-11668-09 0082 Psychosocial factors in health and disease - Determinants of conception in women with 2 or more living children
 ** P01MH-13002-06 0023 Clinical and laboratory studies of affective disorder - Unwanted pregnancy, abortion and affective disorders
 ** P01MH-13002-06 0024 Clinical and laboratory studies of affective disorder - Depressive symptoms during pregnancy and puerperium
 R01MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
 R01MH-16960-06 Quantitative analysis of sleep EEG's and EOG's (human)
 R01MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
 R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships
 ** R01MH-24249-01 Prenatal education and family relations
 ** R01MH-25172-01 Preparation for childbirth and family relationships
 R03MH-25947-01 Seasonal effects on reproductive states
 R01NS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
 ** P01NS-11131-01 0009 Extrapyramidal and related behavioral disorders - Manganese metabolism between last week of pregnancy and 6 weeks of life (mice)
 P01NS-11642-01 0001 Basic and clinical neuroendocrinology - Drug-induced alterations in neuroendocrine function (rats)
 R02NU-00343-05 School of nursing research development grant
 ** M01RR-00034-14 0089 General clinical research center - Plasma renin and aldosterone during pregnancy (human)
 ** M01RR-00046-14 0027 General clinical research center - Steroidogenesis of estrogens in pregnancy (human)
 ** M01RR-00048-13 0001 Clinical center - Regulation of metabolic fuels and hormones (human)
 ** M01RR-00055-13 0002 General clinical research center - Steroid hormones in electrolyte regulation in pregnancy
 ** M01RR-00055-13 0063 General clinical research center - Renal function in pregnancy (human)
 ** M01RR-00055-13 0098 General clinical research center - Acid-base physiology in pregnancy (human)
 M01RR-00056-13 0046 General Clinical Research Center - Plasma neurophysin study during vasopressin-related events (human)
 ** M01RR-00059-13 0139 General clinical research center - Bile composition during pregnancy (human)
 ** M01RR-00102-11 0011 General clinical research center - Pregnant, contraceptive-treated and post-partum women
 M01RR-00125-11 0191 General clinical research center - adult-child - Role of adrenergic and renin-angiotensin systems in release of prostaglandins
 M01RR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man
 M01RR-00210-10 0004 General clinical research center - Maternal-child - Pregnenolone sulfate production (human)
 ** M01RR-00210-10 0028 General clinical research center - Maternal-child - Progesterone metabolism in early pregnancy
 M01RR-00210-10 0037 General clinical research center - Maternal-child - Progesterone metabolism during menstrual cycle—Influence of estrogen treatment
 ** M01RR-00210-10 0039 General clinical research center - Maternal-child - Production rate of estradiol and estrone in third trimester of pregnancy
 ** M01RR-00210-10 0040 General clinical research center - Maternal-child - Progesterone metabolism in reproduction
 ** M01RR-00210-10 0047 General clinical research center - Maternal-child - Oxytocin studies in pregnancy
 ** M01RR-00229-09 0047 General clinical research center - Urinary nitrogen—Urea nitrogen ratio of protein nutrition in pregnancy (human)
 M01RR-00318-08 0065 General clinical research center - Response of ovary and trophoblast to PG2 in early pregnancy
 ** M01RR-00349-08 0052 General clinical research center - Estriol and pregnancy (human)
 ** M01RR-00425-06 0037 General clinical research center - Corpus luteum function in early pregnancy (human)
 ** M01RR-00425-06 0049 General clinical research center - Corpus luteum function in early pregnancy—diurnal variation (human)
 ** M01RR-00533-06 0042 General clinical research center, adult - Steroidogenesis in pregnancy
 ** M01RR-00626-02 0041 General clinical research center - Net mineralocorticoid action in the pregnant woman
 ** M01RR-00633-02 0053 General clinical research center - Iron requirements of pregnancy (human)
 ** M01RR-00749-02 0043 General clinical research center - Response of ovary and trophoblast to prostaglandin in early pregnancy (human)
 ** M01RS-42165-00 Timed-pregnant baboons, Papio Papio
PREGNANCY, AMNIOCENTESIS
 R01AM-04837-14 Diet and mental development in galactosemia (human)
 R01AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 P11GM-16216-06 0052 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology—Therapeutic agents in common use (human)
 P11GM-16216-06 0053 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology—Active agents other than ethical drugs (human)
 ** P01GM-20130-01 0005 Clinical genetics research center - Amniotic fluid studies (human)
 P01HD-02274-08 0077 Mental retardation and child development - Embryology and oogenesis (mice)
 ** P01HD-04665-04 0004 Metabolic abnormalities in mental retardation - Genetic aspects of amino acid metabolism (human)
 P01HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
 P01HD-05615-04 0008 Developmental biology in mental retardation - Lipid distribution and metabolism in demyelinating conditions (rats, human)
 P01HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
 P01HD-06915-02 0001 Maternal malnutrition and fetal development - Antenatal diagnosis of fetal malnutrition (human)
 R01HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
 P01HD-08315-01 0005 Biochemical, genetic and other studies in retardation - Organic metabolites related to mental retardation (human)
 P01HL-10436-09 0011 Congenital heart disease - Incidence and variety of chromosome abnormalities (human)
 P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)
 M01RR-00081-12 0037 General clinical research center, premature infants - Comparison of L/S and foam stability test for fetal pulmonary maturity
PREGNANCY, ANTEPARTUM DIAGNOSIS
 SEE ALSO PREGNANCY, AMNIOCENTESIS
 ** P01AM-05996-13 0026 Biochemistry of connective tissues - Mucopolysaccharidoses and glycosphingolipidoses (human)
 R01AM-06365-12 Exocrine gland function in cystic fibrosis (human, rats)
 R01AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
 R01AM-13622-06 Arthritis—Inherited metabolic and nutritional causes
 R01AM-15322-08 Lysis of red cells by hemoglobin and membrane disease (human)
 ** R01AM-15913-03 Biochemical approaches to sickle cell anemia (human, primates)
 ** R01AM-16666-01 Abnormal hemoglobin synthesis—Mechanism and detection (human)
 R01AM-16721-02 Hexose monophosphate shunt in genetic disease (human)
 P01AM-17040-01 0001 The basic defect in cystic fibrosis - Ciliary inhibitor isolation and characterization (human, oysters, dogs)
 R01AM-17535-01 High resolution separations of glycosaminoglycans
 N01CB-43985-00 Normal and tumor cell surface antigens
 ** P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
 P01GM-15253-08 0004 Genetics in medicine—Gene action in man - Blood, serum and enzyme population
 P01GM-15904-07 0010 Anesthesiology center for research and teaching - Obstetrical anesthesia and perinatal care
 P01GM-15904-07 0011 Anesthesiology center for research and teaching - Obstetrical anesthesia and perinatal morbidity and mortality (human)
 ** P01GM-16436-06 0035 Bioengineering program project - Fetal heart rate monitoring (human)
 ** P01GM-17702-05 0001 Human biochemical genetics - Genetic defects on purine and amine acid metabolism (human)
 ** P01GM-17702-05 0002 Human biochemical genetics - Biochemical basis of genetic diseases
 ** P01GM-17702-05 0003 Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)
 ** P01GM-17702-05 0005 Human biochemical genetics - Prenatal diagnostic facility
 ** P01GM-17702-05 0009 Human biochemical genetics - Metabolic defect in cystinosis
 ** P01GM-17702-05 0012 Human biochemical genetics - Hospital bed unit
 P01GM-18153-04 0009 Gene control of mammalian cell differentiation - Somatic cell hybridization (mice, human)
 ** P01GM-18153-04 0017 Gene control of mammalian cell differentiation - Antenatal diagnosis of sickle cell anemia (human)
 P01GM-18252-04 0003 Automation of ultramicroanalyses of macromolecules - Medical-clinical (human, mice)
 P01GM-18252-04 0008 Automation of ultramicroanalyses of macromolecules - Medical and biochemical genetics (human)
 P01GM-18940-02 0009 Study of radiologic images - In vivo radionuclide distribution studies (rodents, monkeys, human)
 ** P01GM-19443-03 0009 Problems in clinical genetics - Cytogenetics
 P01GM-19443-03 0025 Problems in clinical genetics - Role of surfactant in the respiratory distress syndrome of the newborn (human)
 P01GM-19489-03 0021 Study of human genetics - Linkage study of Tay-Sachs disease locus
 ** P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 ** P01GM-19513-03 0001 Human genetics - Clinical genetics
 ** P01GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
 P01GM-20124-02 0011 Center for human genetics and inherited disease - Genetic counseling—Demand, supply and quality
 ** P01GM-20130-01 0005 Clinical genetics research center - Amniotic fluid studies (human)
 P01GM-20138-01 University of Pennsylvania Genetics Center
 R01GM-20661-01 Effect of exposure of the prenatal rat to ultrasound

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01GM-20832-01 0001 Genetic research project - Body fluids gas chrom./mass spec. of inborn errors (adults, infants)
 ** P01GM-20832-01 0002 Genetic research project - Fetal tissue from maternal blood stream in prenatal diagnosis (human, animals)
 ** P01GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
 N01HB-12401-05 Prenatal diagnosis of inherited blood diseases
 N01HB-12404-05 Prenatal diagnosis of inherited hemetologic diseases (human)
 ** N01HB-32989-01 Prenatal diagnosis of sickle cell anemia and variant hemoglobins
 ** P01HD-00781-11 0008 Studies on prematurity - Prenatal studies on intrauterine growth retardation (human)
 P01HD-00781-11 0017 Studies on prematurity - Clinical studies in pregnancy (human)
 ** P01HD-02080-09 Cell biology of developmental anomalies (human, mammals nonhuman)
 P01HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
 ** R01HD-02335-09 0007 Hormonal effects on growth and maturation - Diagnosis of congenital virilizing adrenal hyperplasia (human)
 R01HD-02552-08 Cellular aspect of human genetics and immunology
 ** P01HD-03015-08 0035 Program for developmental biology - Respiratory distress syndrome indicators in amniotic fluid (human)
 ** P01HD-03298-13 0001 Developmental pathology - Cytogenetics (human)
 ** R01HD-03939-06 Human fetoplacental-maternal interaction
 R01HD-03972-16 ABO erythroblastosis (human)
 R01HD-04024-06 0005 Mental retardation research center - Biochemical genetics (human)
 P01HD-04147-06 0009 Research in mental retardation - Metabolic research unit
 R01HD-04355-09 Chromosome studies of mammalian embryos (cats, dogs, cattle, horses, pigs)
 ** R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
 R01HD-04434-04 Ultrastructure and quantitation of surfactant (human, monkeys, rabbits, E coli)
 R01HD-04526-05 Inborn errors of metabolism (human)
 ** P01HD-04583-06 0009 Mental retardation research center - Prenatal diagnosis (human)
 R01HD-05361-10 Analysis of chromosome karyograms (human, mice)
 ** P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
 M P01HD-05996-03 Prevention of mental retardation through prenatal diagnosis
 ** P01HD-05996-03 0002 Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
 ** P01HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
 ** P01HD-05996-03 0004 Prevention of mental retardation through prenatal diagnosis - Intermediary carbohydrate metabolism in fetal cells (human)
 ** P01HD-05996-03 0005 Prevention of mental retardation through prenatal diagnosis - Fetal skin biopsy in utero (primates, human)
 ** P01HD-06276-03 0028 Mental retardation research program - Lipid and mucopolysaccharides abnormalities in mental retardation (children)
 ** P01HD-06321-02 0003 Genetic aspects of human fetal development - Cytogenetics and prenatal development (human)
 ** R01HD-06416-03 Antenatal diagnosis of inherited amino acid disorders (human)
 R01HD-06575-02 Metabolic studies in methylmalonic acidemia (human, rats)
 ** P01HD-06915-02 0001 Maternal malnutrition and fetal development - Antenatal diagnosis of fetal malnutrition (human)
 P01HD-06915-02 0004 Maternal malnutrition and fetal development - Glucose homeostasis in fetal malnutrition (human)
 ** P01HD-07110-02 0029 Biomedical center for population research - Mucopolysaccharides and inherited diseases of connective tissue (human)
 ** R01HD-07345-01 Estriol 16-glucuronate and estriol antibodies (human)
 R01HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
 R01HD-08407-01 Reproduction in women whose rod cells contain hemoglobin S
 ** R01HD-08966-01 0001 Early diagnostic studies of aberrant development - Total monitoring during labor (human)
 ** R01HD-08966-01 0002 Early diagnostic studies of aberrant development - Fetal monitoring-Data processing
 R01HD-08966-01 0003 Early diagnostic studies of aberrant development - Prenatal identification of study patients
 ** N01HD-12450-05 National amniocentesis registry
 ** N01HD-12451-05 National amniocentesis registry
 ** N01HD-12452-04 National amniocentesis registry
 ** N01HD-22747-04 National amniocentesis registry
 ** N01HD-22748-03 National amniocentesis registry
 ** N01HD-22749-06 National amniocentesis registry
 ** N01HD-32764-02 National amniocentesis registry
 ** N01HD-32765-02 National amniocentesis registry
 ** N01HD-32766-02 National amniocentesis registry
 ** R01HL-12402-15 Metabolism of plasma proteins (baboons)
 P17HL-14218-04 0006 Newborn lung center - Pulmonary biochemical characteristics in RDS (human, sheep, dogs)
 ** R01HL-15008-02 Prenatal detection of sickle cell anemia (human)
 R01HL-15023-03 Prenatal diagnosis of sickle cell anemia homozygotes (human, chicken)
 P18HL-15157-03 0004 Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
 ** P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)
 ** P18HL-15165-03 0003 Comprehensive sickle cell disease center - In vitro growth of hematopoietic cells from human embryonic tissue (human)
 ** P18HL-15166-03 0002 Comprehensive sickle cell disease center - Prenatal diagnosis (human)
 ** P18HL-15997-02 0014 A comprehensive hospital-community sickle cell center - Amniocentesis for prenatal detection of hemoglobinopathies (human, animals)
 M P01HL-16137-01 Alveolar biology
 R23HL-17130-01 Plasma membranes in cystic fibrosis (tissue culture)
 ** P01HS-01053-03 0011 Automated health services - Boolean logic automated history (human)
 ** R01NS-05096-11 0013 New amino acid disorders in cerebral disease - Diagnosis of isovaleric acidemia in cell culture and amniotic fluid (human)
 ** R01NS-05096-11 0014 New amino acid disorders in cerebral disease - Diagnosis of metabolic and transport disorders of the fetus (human)
 R01NS-06856-08 Storage disease-intracellular transport and digestion (human, animals, plants)
 R01NS-10473-03 0002 Brain lipids in diffuse demyelinating disease - Enzymatic studies of Farber's lipogranulomatosis-Ceramidase assay (human)
 R01NS-10885-02 Chemical pathology of neurological disorders (human, dogs)
 P07RR-00003-13 0066 Medical data processing research - Prediction of neonatal conditions
 P07RR-00012-12 0073 Computer facility for medical community - Computer aided obstetrical care
 ** M01RR-00040-14 0098 General clinical research center - Aminography for early detection of anencephaly (human)
 M01RR-00042-14 0016 General clinical research center - Fetal transfusion for erythroblastosis fetalis (human)
 ** M01RR-00053-13 0052 Clinical research center - Radioimmunoassay of 15 alpha-hydroxyestriol in pregnancy plasma (human)
 ** M01RR-00081-12 0037 General clinical research center, premature infants - Comparison of L/S and foam stability test for fetal pulmonary maturity
 M01RR-00123-11 0007 General clinical research center-Children - Generalized glycogen storage disease
 ** M01RR-00210-10 0020 General clinical research center-Maternal-child - Amniocentesis and intrauterine transfusion in Rh-sensitized pregnancies
 M01RR-00210-10 0021 General clinical research center-Maternal-child - Fetal and maternal monitoring of abnormal gestation
 ** M01RR-00210-10 0034 General clinical research center-Maternal-child - Prenatal diagnosis of genetic diseases
 ** M01RR-00318-08 0064 General clinical research center - Prenatal diagnosis of sickle cell anemia (human)
 M01RR-00400-06 0055 General clinical research center-adult - Glycosphingolipidoses and related diseases (human)
 ** M01RR-00425-06 0078 General clinical research center - Metabolism of DHEA by fetal placental unit (human)
 R24RR-00612-05 Resource-related research-computer and chemistry
 P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory
PREGNANCY, BIRTH
 SEE ALSO PITUITARY-DIENCEPHALON HORMONES, OXYTOXICS
 SEE ALSO PREGNANCY DISORDERS, LABOR COMPLICATIONS
 SEE ALSO REPRODUCTIVE HORMONES, RELAXIN
 SEE ALSO SENSOORY DEPRESSION, ANESTHESIA OBSTETRICAL
 ** R01AI-12005-01 Nonbacterial infections in obstetrics (human)
 R01CA-12726-03 A new human blood factor purification
 P01GM-09069-12 0001 Research in anesthesiology - Respiratory distress syndrome in newborn lambs
 P01GM-12527-10 0004 Anesthetic end related drugs - Clinical pharmacology and research methodology (human, rabbits)
 P11GM-15477-08 0015 Drug metabolism and biochemical pharmacology - Transplacental passage of letamine and fetal distribution (human)
 P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
 P11GM-16216-06 0016 Toxicological problems of drugs (placental transfer, lactation) - Metabolic profiles of urinary steroids in infants (human)
 P11GM-16216-06 0031 Toxicological problems of drugs (placental transfer, lactation) - Diazepam (human)
 P11GM-16216-06 0047 Toxicological problems of drugs (placental transfer, lactation) - Molecular basis of toxicity
 P01HD-00781-11 0017 Studies on prematurity - Clinical studies in pregnancy (human)
 ** R01HD-04026-06 Neurohypophysal hormones in pregnancy and puerperium (rats, rabbits)
 R01HD-04275-04 Genetic studies with record linkage (human)
 ** P01HD-04612-06 0010 Mental retardation research center - Obstetrical problems relating to fetal jeopardy
 R01HD-04861-05 Incidence of fetal errors of galactose metabolism (human)
 ** P01HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
 R01HD-05952-03 Follow-up of abortion or motherhood in adolescence
 ** R01HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
 R01HD-06467-03 Role of fetoplacental unit in maintenance of pregnancy (rats, monkeys)
 R01HD-06633-02 Radioimmunoassay of relaxin and its applications (human, sheep)
 ** R01HD-06735-02 Ultrasonic monitoring of the progress of labor
 R01HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
 ** R01HD-07093-02 Effect of labor market on birth and marriage rates
 P01HD-07256-03 0002 Child health and development studies - Analysis of sequential pregnancies (human)
 ** R01HD-07290-02 Control of timing and character of labor (human, animals)
 ** R01HD-07915-01 Development and parturition of headless porcine fetuses
 ** R01HD-08552-01 Role of relaxin in gestation and parturition (swine, rabbits, rodents)
 ** P01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
 ** R01HD-08966-01 0001 Early diagnostic studies of aberrant development - Total monitoring during labor (human)
 R01HD-08966-01 0002 Early diagnostic studies of aberrant development - Fetal monitoring-Data processing
 N01HD-12455-07 Research on intrapartum fetal monitoring
 ** N01HD-42854-00 Economic, age structure and sex role in American natality trends
 P17HL-14218-04 0001 Newborn lung center - Longitudinal study of RDS of infants (human)
 P16HS-00472-06 0016 Health services research center - Vital statistics and hospital licensure (human)
 P01HS-00620-04 0005 Multiple effects of alternative health care services - Goals for 1973
 P01HS-00620-04 0010 Multiple effects of alternative health care services - Monitoring of births, perinatal death and all deaths
 P01HS-00620-04 0012 Multiple effects of alternative health care services - Data processing
 R01MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis
 R01MH-08604-11 0001 Psychobiology of maternal behavior - Development during pregnancy and parturition (rats)
 ** R01MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
 R01MH-25172-01 Preparation for childbirth and family relationships
 ** R03MH-25747-01 Biological control of placentalphagia (rats)
 P01NS-03356-14 0046 Neurological research center - Brain metabolism
 ** N01NU-44120-00 Refresher training program for nurse midwives
 ** P07RR-00003-13 0066 Medical data processing research - Prediction of neonatal conditions
 ** M01RR-00210-10 0005 General clinical research center-Maternal-child - Telemetry of fetal heart rate and uterine pressure (human)
 ** M01RR-00210-10 0007 General clinical research center-Maternal-child - Tracking of fetal movement during labor (human)
 M01RR-00210-10 0022 General clinical research center-Maternal-child - Constant rate glucose infusion into pregnant mother during labor and delivery
 ** M01RR-00210-10 0025 General clinical research center-Maternal-child - Changes in fetal scalp tissue oxygen tension during labor and delivery
 M01RR-00210-10 0042 General clinical research center-Maternal-child - Placental pathology-Phase contrast microscopy and fetal monitoring in labor
 M01RR-00210-10 0044 General clinical research center-Maternal-child - An anesthetic agent in labor and delivery
 M01RR-00210-10 0047 General clinical research center-Maternal-child - Oxytocin studies in pregnancy
 ** M01RR-00425-06 0002 General clinical research center - Concentration of estrogen during labor and post-partum (human)
PREGNANCY, BIRTH, CESAREAN SECTION
 R01AI-12005-01 Nonbacterial infections in obstetrics (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1GM-09069-12 0081 Research in anesthesiology - Thiopental-succinylcholinoygen anesthesia (human)
- ** PO1GM-09069-12 0091 Research in anesthesiology - Thiopental-succinylcholinoygen anesthesia
- P11GM-15477-08 0015 Drug metabolism and biochemical pharmacology - Transplacental passage of ketamine and fetal distribution (human)
- PO1GM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
- ** PO1HD-07256-03 0003 Child health and development studies - Cesarean section and respiratory problems of the infant (human)
- PO6RR-00640-03 0005 Nutritionally defined genotoxins development and use - Procurement of new germfree species (hamsters, gerbils)
- PREGNANCY, EMBRYO-FETUS**
- RO1AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
- RO1AA-00297-03 Zygotic and uterine mediated effects of alcohol (mice)
- PO1AF-07007-09 0013 Immunopathologic studies - Autoimmunogenic properties of SLV (mice)
- RO1AI-08614-07 Polyfunctional antibody combining regions (mice, sheep)
- RO1AI-11234-02 Structure and genetic control of rabbit IgA
- PO1AF-11378-02 0001 Cell biology and chemistry of lymphocytes and lymphocyte products - Quantitation of clonal selection (mice)
- RO1AI-11694-01 Studies of antibody affinity on cellular level (mice)
- RO1AI-11844-02 Maturation and component activity of immune systems (mice)
- RO1AM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
- RO1AM-09567-21 Regulation of tyrosine and tryptophan metabolism (rats, human)
- RO1AM-02217-15 Mechanism of renal tubular and intestinal transport (dogs, rats, hamsters)
- PO2AM-04501-13 0019 Metabolic disease research center - Intestinal absorption of vitamin D and lipids (rats)
- RO1AM-05556-13 Pancreatic regeneration and differentiation (rats)
- RO1AM-05736-13 Intestinal absorption-Transport mechanisms (dogs, bacteria)
- RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- RO1AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
- RO1AM-07141-11 Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human)
- PO1AM-07462-11 0058 Hormonal regulation of metabolism - Conversion of lipids in lamb lungs
- PO1AM-08305-11 0003 Cystic fibrosis and pulmonary disease - Immunological investigations in cystic fibrosis (human)
- RO1AM-08368-16 Fine structure and cytochemistry of epidermis (human)
- PO1AM-08445-10 0016 Biology of skin of man and other primates - Ontogenic differentiation of skin
- PO1AM-08445-10 0017 Biology of skin of man and other primates - Development of pigment cells in eyes of rhesus monkeys
- RO1AM-08764-10 Blood grouping studies in primates
- RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
- ** RO1AM-10723-08 Immunochemistry and physiology of growth hormones (human)
- RO1AM-10866-08 Regulation of substrates in diabetes and obesity (baboons)
- RO1AM-10894-08 0003 Genetic metabolic diseases of infancy and childhood - Developmental and other regulatory aspects of galactose pathways (rats)
- RO1AM-10992-09 Enzymatic mechanisms of thyroid gland (human, rats)
- RO1AM-11279-08 Aspects of the control of lipogenesis (rats, guinea pigs, human)
- RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- RO1AM-12396-11 EM studies-Transport, secretion and absorption sites (human, rabbits)
- RO1AM-13463-05 The infectious etiology of rheumatoid arthritis (human)
- ** RO1AM-14106-04 Growth hormone secretion rates (human, monkeys)
- RO1AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
- RO1AM-14805-05 Chemistry and metabolism of basement membranes (rats, mice, human)
- RO1AM-14834-04 Phenylalanine hydroxylase, PKU detection (rodents, human)
- PO1AM-14877-14 0021 Kidney function in infants and children - Obstructive uropathy (sheep, human)
- RO1AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)
- RO1AM-15322-08 Lysis of red cells by hemoglobin and membrane disease (human)
- RO1AM-15442-03 Iron metabolism in inherited hypochromic anemias (mice, rat)
- RO1AM-15525-03 Regulation of erythropoiesis in fetus and adult (human, goat, mice)
- RO1AM-16124-01 Selective erythrocyte repopulation (human, dogs)
- PO1AM-16392-02 0007 Immunologic mechanisms in renal disease in childhood - Complement in renal disease (human, rabbits, chimpanzees, monkeys)
- RO1AM-16440-01 Cellular synthesis of complement components (guinea pigs, human)
- RO1AM-16441-08 Intermediate metabolism in epidermal differentiation
- RO1AM-16510-03 Purification, function of hypothalamic peptides (human, cats, rats)
- RO1AM-16557-01 Regulation of growth and growth hormone (human, rats)
- RO1AM-16577-02 Mammalian iron metabolism (human, rats, rabbits)
- RO1AM-16610-01 Sickle cell anemia and hemoglobin synthesis (monkeys)
- RO1AM-16666-01 Abnormal hemoglobin synthesis-Mechanism and detection (human)
- PO1AM-16716-01 0001 Pathophysiological bases of muscle diseases - Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters)
- PO1AM-16716-01 0010 Pathophysiological bases of muscle diseases - ACNE, membrane enzymes and trophic effects of nerves (chickens, mammals, human)
- PO1AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- RO1AM-16847-02 Fetal hb synthesis control and sickle cell anemia (human)
- RO1AM-16936-01 Somatomedin effects on chondrocyte tissue (rats)
- RO1AM-17498-01 Formation of erythropoietin in cell culture (human, animals)
- RO1AM-17542-01 Structure and immunology of urinary glycoprotein (human, rabbits)
- RO1AM-17723-01 Membrane-limited metabolism in mammalian red cells (pigs)
- RO1CA-01074-24 Physiological genetics of the mouse
- RO1CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
- RO1CA-02662-19 Investigations on teratocarcinogenesis (mice)
- PO1CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- RO1CA-05493-14 Leukopoietic mechanisms (rats, salamanders, lampreys)
- RO1CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
- RO1CA-07160-10 Possible neoplastic effects of non-neoplastic viruses (mice)
- PO1CA-07175-11 0013 Cancer research at the McArdle laboratory - Theory of carcinogenesis (rats)
- RO1CA-08676-10 Regulation of mammalian enzyme synthesis (rats)
- PO1CA-08748-09 0001 Research program of Sloan-Kettering Institute - Biochemical and morphological differentiation (rats, chick embryo)
- ** PO1CA-08748-09 0813 Research program of Sloan-Kettering Institute - Role of T-locus in morphogenesis of mouse embryo
- PO1CA-08748-09 7708 Research program of Sloan-Kettering Institute - Tumor-specific embryonal antigens (rats)
- PO1CA-10815-06 0004 Consolidated basic cancer research program - Dynamics of specific histocompatibility antigen expression (mammals)
- PO1CA-10815-06 0010 Consolidated basic cancer research program - Immunization with fetal tissue (hamsters)
- RO1CA-10993-06 Processing of ribosomal RNA in human cancer (HeLa cells)
- RO1CA-11224-06 0001 Neurooncogenesis by resorptive carcinogens - Interactions of N-nitrosoureas with cellular components (rats)
- RO1CA-11427-05 Virus in relation to C57BL mouse thymoma
- RO1CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- RO1CA-12235-09 Nucleic acid methylating enzymes (mammals, human, E coli, viruses)
- RO1CA-12389-04 Immunologic studies of gastrointestinal cancer (human)
- RO1CA-12854-03 RNA sulfur-transferase in normal liver and hepatomas (rats)
- ** PO2CA-13053-03 0087 Clinical cancer radiation therapy research center - X-ray induced malignant cell transformation (mice)
- RO1CA-13054-03 Antigens of human renal cancer
- RO1CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
- ** PO2CA-13148-03 0059 Pilot cancer center - Ontogeny of B lymphocytes in humans
- RO1CA-13217-03 Langerhans cells in benign and malignant skin diseases (human, guinea pigs)
- RO1CA-13412-03 Role of phospholipase in neoplasia (rats)
- ** RO1CA-13639-03 Biochemistry of chromosome function in man
- RO1CA-13713-02 Transformation of cells in vitro (rats)
- RO1CA-13955-02 Antigen and surface charge properties of blood cells (human)
- PO1CA-14195-01 0011 Com grant-Regulation, the cell membrane and cancer - Effect of cell transformation on differentiated cell function
- PO1CA-14195-01 0012 Com grant-Regulation, the cell membrane and cancer - Hepatocellular growth regulation by serum factors (cattle, rats)
- PO1CA-14195-01 0016 Com grant-Regulation, the cell membrane and cancer - Serum factor requirements of fetal rat liver cells and transformed fibroblasts
- RO1CA-14264-02 Pathology of cell differentiation in leukemia (human, rodents)
- PO2CA-14520-02 0001 Wisconsin Clinical Cancer Center - Developmental interactions in control of tumors (human, mice)
- ** RO1CA-14676-01 Regulation of cancer cell development (mice)
- ** RO1CA-14874-01 Pulmonary carcinogenesis in fetal and neonatal lung (mice)
- RO1CA-14876-02 Cell mediated immunological defects in man after irradiation
- RO1CA-15222-01 Chemistry and metabolism of hepatoma alpha fetoprotein (rats)
- RO1CA-15549-01 Neoplastic-normal cell congregates (mice)
- RO1CA-15977-01 Gynecologic Oncology Group
- ** RO1CA-16033-01 Resurgent fetal gene products in neoplastic tissue (rats, viruses)
- RO1CA-16952-14 Sex chromosomes of cells (mice)
- RO1CB-43960-00 Development of immunodiagnostic tests for cancer
- NO1CB-43881-00 Antibodies to human tumor cells
- NO1CB-43904-00 Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman)
- NO1CB-43958-00 New human tumor associated antigens of the GI tract
- NO1CN-45124-03 Gonital tract anomalies and cancer in fetus to synthetic estrogens (human)
- ** NO1CP-22006-06 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- ** RO1DA-00111-02 Chronic THC-Effects of brain development (mice)
- ** RO1DA-00122-03 Methadone fate in the pregnant subject, fetus and newborn (rats, sheep)
- RO1DA-00141-03 Cannabinoids during pregnancy and interaction with drugs (mice, rats)
- PO1DA-00257-03 0002 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in experimental animals
- RO1DA-00915-01 Maternal narcotic addiction and child development
- RO1DE-01547-13 Tissue culture and electron microscopy of the gingiva (animals)
- PO1DE-01697-12 0001 Interdisciplinary studies in cleft palate - Larynx (human)
- PO1DE-01697-12 0002 Interdisciplinary studies in cleft palate - Velopharyngeal valving mechanism (human)
- PO1DE-01697-12 0003 Interdisciplinary studies in cleft palate - Tongue (human)
- PO1DE-01697-12 0016 Interdisciplinary studies in cleft palate - Developmental morphology of the Eustachian tube cartilage (human)
- PO1DE-01697-12 0018 Interdisciplinary studies in cleft palate - Innervation of the human larynx
- PO1DE-01697-12 0019 Interdisciplinary studies in cleft palate - Morphology of the hypoglossal nerve (human)
- PO1DE-01850-11 0035 Fluoride metabolism - Fluoride and anemia in young mice
- P13DE-02600-08 0008 Planning of a research center in oral biology - Nutrients and oral and paroral structure (rats)
- P13DE-02600-08 0023 Planning of a research center in oral biology - Human epidermal differentiation
- P13DE-02668-08 0006 Dental research center - Growth mechanisms-Experimental maxillary orthopedics (human)
- P13DE-02668-08 0016 Dental research center - Fine structure of the trigeminal ganglion (chickens, primates, rodents, human)
- ** RO1DE-02852-07 Development of the palate and lip (mice, rats, rabbits)
- PO1DE-02918-06 0002 Oral-facial growth and development in primates - Prenatal and postnatal craniofacial development (Macaca, Papio)
- PO1DE-02918-06 0004 Oral-facial growth and development in primates - Production and treatment of cleft lip and palate (M mulatta)
- RO1DE-02933-06 Hypervitaminosis A and altered dentofacial development (mice)
- RO1DE-03368-03 Submandibular gland growth factors and oral tissues (rats, mice)
- ** RO1DE-03443-03 Prenatal origins of postnatal dental variability (human)
- RO1DE-03469-03 Teratogens on cleft palate formation (mice)
- RO1DE-03479-02 Calcifying systems-Structure/ function relationships
- PO1DE-03610-08 0001 Cranio-facial growth and development - Prenatal studies (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R23DE-03642-02 Composition of fetal dental enamel proteins
- RO1DE-03927-01 Experimental studies on orofacial development (baboons, monkeys)
- MO1DE-22401-02 Fetal and infantile development of oral sensory receptors in primates
- ** NO1DE-32405-01 Prenatal development of human oral and facial structure
- ** NO1DE-32419-01 Scanning electron microscopy of migrating embryonic cells (chick embryo)
- RO1ES-00263-09 Biological and toxic effects of cyclopropenoids (fish, rats, mice)
- ** PO1ES-00454-06 0013 Biological effects of environmental agents - Cytochrome P450 binding compounds and oxygen transfer (sheep)
- ** RO1ES-00677-03 Methyl mercury teratogenesis (mice, monkeys)
- RO1ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
- ** RO1ES-00819-01 Perinatal manipulation of neuroendocrine development (women, rats)
- ** RO1ES-00820-02 Toxicity of organic mercury for the fetus and newborn (human, monkeys)
- RO1ES-00833-02 Biochemical studies on CNS teratogenesis by mercury (rats)
- ** RO1ES-01079-01 Response of fetal and postnatal lungs to O3 and NO2 (rats)
- MO1ES-32102-03 Effects of environmental components on reproduction and ontogenesis (mammals)
- RO1EY-00239-14 Biochemical studies of lens cataract formation (human, animals)
- RO1EY-00279-11 Pathogenesis of a uveitis (mice)
- PO1EY-00396-07 0019 Basic ophthalmic research program - Casual factors regulating growth in the visual system (frogs)
- RO1EY-00506-06 Ion movement and distribution in the crystalline lens (rabbits, frogs)
- RO1EY-00888-03 The developing and adult visual system (human, animals)
- RO1EY-01002-02 Development and growth of the lens (mice, chickens)
- RO1EY-01018-02 Structure and development of the visual system (mice, human)
- RO1EY-01086-02 Structure and development of visual cortex (primates)
- R23EY-01360-01 Teratogenic induction of coloboma (hamsters)
- RO1EY-01398-01 Serial section analysis of developing mouse retina
- RO1EY-01408-01 Hereditary diseases (rabbits)
- ** RO1FD-00654-03 F2 effects from x-ray of human female fetuses
- RO1FD-00665-02 Ultrasonic toxicity study
- PO1GM-09965-15 0074 Basic experimental biology - Cell junctions in embryonic tissues
- PO1GM-09069-12 0001 Research in anesthesiology - Respiratory distress syndrome in newborn lambs
- ** PO1GM-09069-12 0002 Research in anesthesiology - Renal function in fetal lambs
- PO1GM-09069-12 0058 Research in anesthesiology - Obstetric anesthesia and fetal pharmacology (guinea pigs)
- ** PO1GM-09069-12 0059 Research in anesthesiology - Respiratory movements in fetus (human)
- ** PO1GM-09069-12 0061 Research in anesthesiology - Fetal monitoring (baboons)
- PI1GM-12675-10 0052 Biochemical toxicology and pharmacology - Adrenodoxin in hydroxylations mediated by cytochrome P-450 (mammals, human)
- PI1GM-12675-10 0053 Biochemical toxicology and pharmacology - Hepatotoxicity of various agents in fetus, newborn and adult animals (rats, mice)
- PI1GM-12675-10 0054 Biochemical toxicology and pharmacology - Development of alcohol oxidizing systems (rats, human)
- PO1GM-14552-08 0018 Normal and abnormal cell growth multidiscipline study - Mechanism of action of erythropoietin (mice, rats)
- PO1GM-14552-08 0021 Normal and abnormal cell growth multidiscipline study - Viruses and fetal liver erythroid cell differentiation (mice)
- PO1GM-15253-08 0002 Genetics in medicine-Gene action in man - Structure of epsilon chains
- ** PO1GM-15253-08 0027 Genetics in medicine-Gene action in man - Hemoglobin development in man
- PO1GM-15253-08 0040 Genetics in medicine-Gene action in man - Relationship of immune phenomena to chromosome errors (human, animals)
- RO1GM-15289-07 Electron microscopy of cells having cycles (human, primates, mammals)
- PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- PI1GM-15477-08 0010 Drug metabolism and biochemical pharmacology - Diphenhydantoin-C14 in fetal and maternal tissues (mice)
- PI1GM-15477-08 0011 Drug metabolism and biochemical pharmacology - Diphenhydantoin in the human
- PI1GM-15477-08 0012 Drug metabolism and biochemical pharmacology - Drug transfer into the central nervous system and across the placenta (rats)
- PI1GM-15477-08 0096 Drug metabolism and biochemical pharmacology - Assay of diphenhydantoin (mice)
- PI1GM-15477-08 0116 Drug metabolism and biochemical pharmacology - Placental transfer drugs-Pharmacokinetics fetal localization (ewe)
- M RO1GM-15508-07 Cell regulation and fetal proteins in neoplasia
- ** RO1GM-15508-07 0002 Cell regulation and fetal proteins in neoplasia - Role of fetal protein in neoplasia (human, rats)
- PO1GM-15571-06 0074 Anesthesia research-Program project - Obstetrical anesthesia-Data collection
- PO1GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
- PO1GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
- PI1GM-16216-06 0033 Toxicological problems of drugs (placental transfer, lactation) - Steroid administration (human)
- PI1GM-16216-06 0048 Toxicological problems of drugs (placental transfer, lactation) - Clinical use of drugs in the fetal and neonatal period (rats, guinea pigs)
- PI1GM-16216-06 0052 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Therapeutic agents in common use (human)
- PI1GM-16216-06 0053 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Active agents other than ethical drugs (human)
- PO1GM-17702-05 0005 Human biochemical genetics - Prenatal diagnostic facility
- PO1GM-17702-05 0008 Human biochemical genetics - Biochemistry of mammalian intracellular nucleases (human)
- RO1GM-19258-02 Regulation of gene expression by sex hormones (human, mice, chickens)
- RO1GM-19289-03 Microfilaments, morphogenesis, and cytodifferentiation
- PO1GM-19489-03 0017 Study of human genetics - Detection of new marker traits in man
- PO1GM-19489-03 0028 Study of human genetics - The role of nerve growth factor in familial dysautonomia
- PO1GM-19513-03 0017 Human genetics - Fish-hybrid melanoma control, a cancer genetics model (playfish, swordtail)
- PO1GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
- PO1GM-19521-03 0004 Genetic study of mammalian control systems - Control of beta galactosidase (mice)
- PO1GM-19521-03 0005 Genetic study of mammalian control systems - Studies of early embryos (human, mice)
- RO1GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
- RO1GM-20594-02 Enzymatic modification of carboxyl residues in protein (rats, E. coli, human)
- ** RO1GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
- RO1GM-21045-02 The structure of human transcortin
- ** NO1HB-12401-05 Prenatal diagnosis of inherited blood diseases
- ** NO1HB-12403-05 Prenatal diagnosis of inherited blood diseases (human, goats, rabbits)
- ** RO1HD-00193-19 Mechanisms of genetic control of abnormal development (mice)
- RO1HD-00254-14 Neonatal blood disorders (human, mice)
- ** RO1HD-00380-16 Analysis of chondrogenesis (ascidians, chick embryo, human)
- ** RO1HD-00412-18 Fetal endocrinology and study of diabetes and pregnancy (rats)
- RO1HD-00420-14 0001 Androgen production and function during development - Androgens of mammalian fetal testes (rats, rabbits, chick embryo)
- RO1HD-00420-14 0002 Androgen production and function during development - Non-testicular sources of C-19 steroids in pre-natal development (rodents, human)
- RO1HD-00462-19 Physiology of the placenta (human)
- ** RO1HD-00505-15 Transplacental passage of fetal erythrocytes (human)
- RO1HD-00652-11 Plasma and cell protein metabolism (human)
- RO1HD-00727-09 Placental transfer of mineral elements (guinea pigs)
- ** PO1HD-00781-11 0001 Studies on prematurity - Urea production in fetus (sheep)
- ** PO1HD-00781-11 0002 Studies on prematurity - Amino acid metabolism (sheep)
- ** PO1HD-00781-11 0003 Studies on prematurity - Normal metabolic rate of the fetus (sheep)
- ** PO1HD-00781-11 0004 Studies on prematurity - Fetal cerebral metabolism (sheep)
- ** PO1HD-00781-11 0006 Studies on prematurity - Clinical studies of urea production rate
- ** PO1HD-00781-11 0007 Studies on prematurity - Utilization of oxygen glucose and amino acids by the fetus (sheep, monkeys, human)
- RO1HD-00827-11 Effect of RNA and DNA on cephalic terata (mice)
- ** RO1HD-00836-11 Laboratory for the study of human embryos and fetuses
- RO1HD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)
- ** RO1HD-01385-09 Experimental erythroblastosis fetalis (dogs, monkeys, sheep)
- RO1HD-01646-15 Gene control of mammalian development and disease (mice)
- RO1HD-01687-09 Pathogenesis of infection in human male development
- PO1HD-01799-09 0001 Mental retardation research center - Development of inter-neuronal communication processes
- PO1HD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
- PO1HD-01799-09 0008 Mental retardation research center - Developmental biochemistry of steroids (rats)
- PO1HD-01799-09 0030 Mental retardation research center - Developmental pulmonary function and diseases (human)
- RO1HD-01866-09 Physiological study of the placenta (sheep)
- ** PO1HD-02147-08 0001 Extrauterine growth and development - Cellular surfaces (human embryo)
- PO1HD-02147-08 0003 Extrauterine growth and development - Pancreas (mice, rats)
- RO1HD-02186-09 Fusion and development of mammalian blastomeres (mice, hamsters, viruses)
- PO1HD-02274-08 0002 Mental retardation and child development - Neuroembryology (human)
- ** PO1HD-02274-08 0005 Mental retardation and child development - Developmental biochemistry (human, animals, yeasts)
- ** PO1HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
- PO1HD-02274-08 0034 Mental retardation and child development - Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys)
- ** PO1HD-02274-08 0076 Mental retardation and child development - Perinatal biology program (humans, mammals)
- ** PO1HD-02274-08 0077 Mental retardation and child development - Embryology and oogenesis (mice)
- ** PO1HD-02274-08 0078 Mental retardation and child development - Biochemical mechanisms of anesthetic action (mammals)
- PO1HD-02274-08 0081 Mental retardation and child development - Initiation of breathing (sheep)
- ** PO1HD-02274-08 0087 Mental retardation and child development - Artificial placenta (sheep)
- ** PO1HD-02274-08 0092 Mental retardation and child development - The mother (human, mammals)
- PO1HD-02274-08 0097 Mental retardation and child development - Pathogenesis of lysaline membrane disease (human, monkeys)
- ** PO1HD-02274-08 0098 Mental retardation and child development - Cardiopulmonary adaptation to birth (sheep)
- PO1HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
- RO1HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
- ** RO1HD-02335-09 0006 Hormonal effects on growth and maturation - Prenatal sex prediction (human)
- RO1HD-02459-08 Ultrastructural studies of the lung (rabbits)
- RO1HD-02506-08 Teratogen and gene interactions on mouse development
- PO1HD-02528-08 0080 Research center in mental retardation - Pregnancy stress and fetal growth (rats)
- PO1HD-02528-08 0087 Research center in mental retardation - Fetal growth and its postnatal correlates (human)
- RO1HD-02619-08 Development of skeletal weights in children (primates)
- RO1HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
- RO1HD-02715-06 Fetal and neonatal adrenocortical function in monkeys
- RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
- RO1HD-02798-07 Primate uterine physiology (monkeys)
- RO1HD-02871-08 Phospholipid metabolism during development (rats)
- ** RO1HD-02887-05 Embryonic fatty acid metabolism
- ** PO1HD-03015-08 0034 Program for developmental biology - Decreased infant platelet activity (rabbits)
- ** RO1HD-03132-07 Biochemistry of early human and mouse development
- RO1HD-03148-07 Bilirubin metabolism during the perinatal period (human, guinea pigs)
- ** PO1HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- ** PO1HD-03298-13 0012 Developmental pathology - Cerebral cortex development (human, cats, hamsters)
- ** PO1HD-03352-07 0009 Wisconsin center on mental retardation - Embryo-uterine interrelationship (rats, monkeys)
- ** RO1HD-03752-05 0006 Mammalian reproduction - "Genital canals" discovered in human embryos
- RO1HD-03752-05 0011 Mammalian reproduction - Cultured ovaries implanted in kidneys of ovariectomized mice (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-03807-06 Placental exchange of respiratory gases (human, sheep, rabbits)
- ** R01HD-04005-06 Cytodifferentiation of steroid-secreting cells (guinea pigs)
- R01HD-04050-04 Effect of asphyxia on fetal lung fluid (lambs)
- ** R01HD-04064-06 Role of steroid sulfates in gonadal tissue (human, sheep, rats)
- ** R01HD-04072-06 Placental and fetal RNA metabolism (rats)
- R01HD-04110-04 Virus induced disorders of growth and development (mice)
- ** R01HD-04130-05 Pathophysiology of fetal hemoglobin synthesis (human)
- R01HD-04173-10 Androgen metabolism (human)
- ** R01HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
- ** R01HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
- ** R01HD-04287-06 Regulation of drug metabolism during development (human, monkeys)
- ** R01HD-04355-09 Chromosome studies of mammalian embryos (rats, dogs, cattle, horses, pigs)
- ** R01HD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
- ** R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- ** R01HD-04394-03 Regulation of the placental circulation (human, primates, rabbits, sheep)
- R01HD-04434-04 Ultrastructure and quantitation of surfactant (human, monkeys, rabbits, E coli)
- R01HD-04670-04 Molecular basis of thyroid action in development (rats, fish)
- ** R01HD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
- R01HD-04839-05 0001 Metabolism of drug substrates by human placenta - Analysis of placental cytochrome P-450
- R01HD-04861-05 Incidence of fetal errors of galactose metabolism (human)
- R01HD-04945-04 Human development and estrogen biosynthesis (human, rats, dogs)
- R01HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
- R01HD-05077-05 0010 Reproductive biochemistry and medicine - Antibodies to steroids (rats, monkeys)
- R01HD-05111-04 Production and excretion of urea in prenatal life (sheep)
- ** R01HD-05154-03 Endometrial-blastocyst interrelationships (rabbits)
- R01HD-05221-05 0015 Center grant in mental retardation - Developmental microheterogeneity of mouse alpha fetoprotein
- R01HD-05221-05 0016 Center grant in mental retardation - Contractile proteins and neurite formation (mice)
- R01HD-05221-05 0017 Center grant in mental retardation - Androgen inducibility of kidney beta-glucuronidase (mice)
- R01HD-05272-03 Ultrastructure of multivesicular cells (mice)
- ** R01HD-05285-03 Experimental phenylketonuria (rats)
- R01HD-05309-04 Gene transfer during differentiation and aging (human)
- R01HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
- ** R01HD-05342-04 0010 Mental retardation and brain development - Influence of increased maternal amino acid blood levels on fetal lambs
- R01HD-05362-04 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- ** R01HD-05387-04 Comparative study on the foeto-placental unit (sheep)
- R01HD-05395-04 Migration and differentiation of neural crest cells (mice, chick embryo)
- ** R01HD-05443-03 Circulatory and cellular studies in runted fetal sheep
- R01HD-05615-04 0010 Developmental biology in mental retardation - Developmental genetics (human, mice)
- ** R01HD-05659-04 0001 Fetal growth and development - Oxygen consumption of the uterus and fetal growth rate (sheep)
- R01HD-05659-04 0002 Fetal growth and development - Role of placental hormones in regulation of uterine blood flow (swine)
- ** R01HD-05659-04 0003 Fetal growth and development - Growth indexes (sheep)
- ** R01HD-05671-03 0003 Center for population research - Mechanisms of contraceptive action of copper wire in rats
- R01HD-05671-03 0011 Center for population research - Intrafollicular overripeness in rats
- ** R01HD-05697-02 A polypeptide influencing ovarian function (rodents)
- R01HD-05740-03 Control of fetal and neonatal glucose metabolism (human, dogs, rats)
- R01HD-05828-03 Role of immunity in congenital disease (sheep)
- R01HD-05874-04 0002 Biochemical regulation of aging processes - Age dependent P-enolpyruvate carboxylase regulation in liver (rats)
- ** P01HD-05874-04 0003 Biochemical regulation of aging processes - Hormone binding macromolecules during development and aging (rats, human)
- P01HD-05874-04 0007 Biochemical regulation of aging processes - Development of mitochondrial metabolism in brain (guinea pigs)
- ** P01HD-05894-04 0001 Genetic childhood diseases and aging - Lymphocyte function in the neonate and fetus (human, sheep)
- ** P01HD-05894-04 0002 Genetic childhood diseases and aging - Immunoglobulin F and thymosin use in the early diagnosis of immune deficiency
- P01HD-05894-04 0004 Genetic childhood diseases and aging - Developmental biology of lymphocyte receptors for corticoids (mice, human)
- P01HD-05894-04 0015 Genetic childhood diseases and aging - Removal of aged red cells (human, rats)
- ** P01HD-05914-02 Blastocyst expansion (rabbits)
- R01HD-05944-03 Developmental effects of mutant genes (mice)
- ** P01HD-05961-03 0002 Human and mammalian development - Development of mitochondria and their role in embryogenesis (human, rodents)
- P01HD-05996-03 0002 Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
- ** P01HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
- ** P01HD-05996-03 0004 Prevention of mental retardation through prenatal diagnosis - Intermediary carbohydrate metabolism in fetal cells (human)
- ** P01HD-05996-03 0005 Prevention of mental retardation through prenatal diagnosis - Fetal skin biopsy in utero (primates, human)
- ** R01HD-06007-03 Metabolism of myoinositol during development (rats)
- ** R01HD-06007-03 0001 Metabolism of myoinositol during development (rats) - The origin of fetal blood myoinositol (rats)
- R01HD-06018-03 Phenylalanine hydroxylase activity in tissues (rats)
- ** R01HD-06057-02 Progesterone metabolism in human fetoplacental unit (also rats)
- R01HD-06106-03 Changes in cell type and structure in developing bone (rats)
- ** R01HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
- R01HD-06177-03 Growth and regulation of human limb mesenchyme
- ** R01HD-06201-03 Lung maturation, hormonal and other influences (human, rats, rabbits)
- ** R01HD-06226-02 Uterine proteins in mammalian embryogenesis (rabbits, human)
- ** R01HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
- R01HD-06246-02 Organogenesis during mammalian embryonic development (mammals)
- P01HD-06276-03 0056 Mental retardation research program - Development of CSF amino acid transport and their levels in brain (kittens)
- ** P01HD-06276-03 0063 Mental retardation research program - Metabolic pathways of glucose in fetal brain (human)
- R01HD-06291-03 Ketone metabolism in developmental homeostasis (rats, swine, human)
- R01HD-06311-03 Lung lecithin synthesis-normal and asphyxial (sheep, rats)
- M P01HD-06321-02 Genetic aspects of human fetal development
- ** P01HD-06321-02 0001 Genetic aspects of human fetal development - Inherited metabolic diseases in the fetus (human, dogs)
- ** P01HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)
- ** P01HD-06321-02 0005 Genetic aspects of human fetal development - Characterization of the immune system in the developing fetus (human)
- P01HD-06321-02 0007 Genetic aspects of human fetal development - Antenatal detection of disorders of porphyrin metabolism (human)
- ** R01HD-06360-02 Embryologic aspects of creatine metabolism (guinea pigs, rats)
- R01HD-06406-03 Regulation of uterine blood flow (monkeys)
- R01HD-06410-03 Placental transport and perinatal disorders (sheep, cows, guinea pigs)
- ** R01HD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
- R01HD-06441-03 Peroxisomes in developing liver and kidney (dogs, pigs, rats)
- ** R01HD-06467-03 Role of foeto-placental unit in maintenance of pregnancy (rats, monkeys)
- ** R01HD-06475-01 0001 Carbohydrate and lipid metabolism during development - Regulation of blood glucose concentration by the fetus (rats)
- ** R01HD-06475-01 0002 Carbohydrate and lipid metabolism during development - Factors involved in initiation of gluconeogenesis (rat fetus)
- R01HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
- ** R01HD-06554-01 Growth of the human fetus-Longitudinal study
- ** R01HD-06573-03 Oviduct factors responsible for blastocyst development (rabbits)
- ** R01HD-06734-03 Functional cytology of placenta and fetal membranes (human, rodents)
- R01HD-06735-02 Ultrasonic monitoring of the progress of labor
- ** R01HD-06736-03 Regulation of uterine blood flow (sheep)
- ** R01HD-06754-02 A foetal-maternal model system (deermouse)
- ** R01HD-06763-03 Extracellular materials and embryonic organ formation (mice)
- ** R01HD-06779-03 Enzymic differentiation in the fetus and newborn (rats, human)
- ** R01HD-06799-01 Corticosteroids in the fetoplacental unit (human)
- R01HD-06910-02 Synthesis, characterization, and fate of mouse ovum RNA
- P01HD-06915-02 0001 Maternal malnutrition and fetal development - Antenatal diagnosis of fetal malnutrition (human)
- P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- ** P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- P01HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- ** R01HD-06929-02 Fetal health and amniotic fluid MCS and prolactin (monkeys)
- ** R01HD-06936-02 Cardiovascular function in fetal and neonatal animals (lambs)
- R01HD-07036-02 Biochemistry of placental development and function (continued)
- ** R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
- ** R01HD-07082-02 Changes in cell surface properties in gastrulation (frogs)
- R01HD-07087-02 Glucagon physiology in fetus, newborn and child (and mammals)
- R01HD-07091-02 Distribution and functions of ACH in placenta (human, animals)
- ** R01HD-07135-02 Pathophysiology of tissue oxygen transport (sheep)
- R01HD-07197-02 Steroid dynamics, (human, mammals)
- R01HD-07240-05 Fetal effects of sulfoconjugation in pregnant rats
- ** R01HD-07277-02 Development of the nervous system (human)
- R01HD-07282-01 Mechanisms in embryonic limb morphogenesis (mice, chick embryo)
- ** R01HD-07290-02 Control of timing and character of labor (human, animals)
- R01HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- R01HD-07331-01 Bile pigment metabolism in fetal and newborn monkeys
- ** R01HD-07345-01 Estradiol 16-glucuronate and estradiol antibodies (human)
- R01HD-07371-01 Estrogen metabolism during growth and development
- ** R01HD-07377-01 Mechanisms of fetal cerebral vascular control (sheep)
- R01HD-07382-03 Development of cell shape in embryonic epithelia (marine fish, salamanders)
- R01HD-07416-03 Histochemical changes associated with teratogenesis (rats, chick embryo)
- ** R01HD-07419-02 Bone development and calcium metabolism in fetal rats
- R01HD-07447-01 Chemistry and physiology of placental lactogen (human, sheep)
- R01HD-07478-02 Effect of rat alpha-2 macroglobulin on cell adhesion (rats, chick embryo)
- R01HD-07483-01 Functional development of the gustatory sense (sheep)
- R01HD-07516-02 Fatty acid synthesis in heart (chick embryo)
- P01HD-07640-01 0001 Program project in reproductive biology - Mechanism of action, progesterone in the mammalian uterus-Uteroglobin (rabbit)
- ** R01HD-07658-01 Steroid hormones and fetal development (primates)
- ** R01HD-07681-01 Fetal cardiovascular response to asphyxia (sheep)
- ** R01HD-07741-01 Biochemical and cellular analyses of embryonic development (marine fish, mammals)
- R01HD-07752-01 Cell membrane receptors for maternofetal transfer of IgG (rabbits)
- R01HD-07894-01 Heme metabolism in fetuses, newborns and adults (animals)
- ** R01HD-07915-01 Development and parturition of headless porcine fetuses
- ** R01HD-07926-01 Human fetal neuroendocrinology
- R01HD-08124-01 Blood substitute and circulation (sheep)
- R01HD-08130-01 Teratogenicity of anesthetics (rats)
- P01HD-08181-01 0003 Cell biology of aging - Effect of donor age on clonal growth (rabbits)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-08182-05 Virus effects on the fetal nervous system (mice, swine, guinea pigs)
- R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)
- ** R01HD-08194-01 Prenatal protein malnutrition and brain steroids
- R01HD-08288-01 Assay of potato tuber metabolites (fungi, marmosets, rodents, swine)
- R01HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
- ** R01HD-08299-01 The hormonal control of fetal growth (rat, chick embryo)
- P01HD-08338-01 0007 Control of male reproduction - Hormonal control of steroidogenesis (rat testes)
- P01HD-08338-01 0011 Control of male reproduction - Hormonal control of spermatogenesis (rats)
- R01HD-08360-01 Placental function in normal and abnormal pregnancy (human)
- R01HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)
- ** R01HD-08452-01 Protein metabolism in the preimplanted mouse embryo
- R01HD-08457-01 Analysis and metabolism of diethylstilbestrol (humans, mammals)
- ** R01HD-08477-04 Sympathetic responses of the uterine circulation (sheep)
- R01HD-08496-01 Metabolic changes in preimplantation mouse eggs
- ** R01HD-08595-01 Feto-maternal metabolism of unsaturated fatty acids (human, rabbits, rodents)
- M P01HD-08658-01 Developmental neurobiology in primates
- ** P01HD-08658-01 0001 Developmental neurobiology in primates - Development of the nervous system in staged embryos (human)
- ** P01HD-08658-01 0002 Developmental neurobiology in primates - Skull and vertebral column development in staged embryos (human)
- ** P01HD-08658-01 0003 Developmental neurobiology in primates - Commissural plate and pyramidal tracts in fetuses (human)
- ** P01HD-08658-01 0004 Developmental neurobiology in primates - Spinal cord and vertebral column in fetuses (human)
- ** P01HD-08658-01 0005 Developmental neurobiology in primates - Staging of embryos (nonhuman primates)
- ** P01HD-08658-01 0006 Developmental neurobiology in primates - Catecholamines and serotonin in the nervous system development (rhesus monkeys)
- ** P01HD-08658-01 0007 Developmental neurobiology in primates - Placodes and caudal proliferation center (Macaca mulatta)
- ** P01HD-08658-01 0008 Developmental neurobiology in primates - Ontogenesis of acetylcholinesterase isoenzymes (Macaca mulatta)
- ** P01HD-08658-01 0009 Developmental neurobiology in primates - Development of the eye (nonhuman primates)
- ** P01HD-08658-01 0012 Developmental neurobiology in primates - Cataloguing and computerized system for prenatal anatomical material
- ** P01HD-08658-01 0013 Developmental neurobiology in primates - Planning for clinicopathological studies
- P01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
- ** R01HD-08679-01 Study of fetal myosin (mice)
- R01HD-08692-01 Dynamics of estrogen biosynthesis (human)
- R01HD-08708-01 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- R01HD-08928-01 Fetal health and esteral production (human)
- ** R01HD-08948-01 Functional maturation of the endocrine pancreas (rats)
- R01HD-08977-01 Carbohydrate metabolism in the newborn (human, dogs)
- ** M01HD-12455-07 Research on intrapartum fetal monitoring
- M01HD-12506-03 Male reproductive tract (rats)
- ** M01HD-42868-01 Histological development of upper airway receptors in fetal and neonatal sheep
- M01HD-42869-01 Development of mucosal sensory receptors (human, monkeys)
- ** R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- R01HL-01803-20 0004 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins in nerves (human, chick embryo)
- R01HL-03357-17 Humoral control of blood cell formation and release (rats, mice)
- R01HL-04366-16 Plasminogen-Activation and structure-function relations (mammals, birds)
- P01HL-04885-15 0004 Comparative cardiovascular studies - Cardiac malformations in congenital heart disease (dogs)
- P01HL-05435-14 0033 Cardiovascular research and training program - Immunology II (human, mice)
- R01HL-05457-14 Biological oxidations (human, mammals, microorganisms)
- ** P01HL-06285-14 0125 Cardiovascular-respiratory physiology and biochemistry - Myocardial function in the fetal and neonatal lamb
- ** P01HL-06285-14 0126 Cardiovascular-respiratory physiology and biochemistry - Ventricular output, foramen ovale and ductus arteriosus flows (lambs)
- ** P01HL-06285-14 0127 Cardiovascular-respiratory physiology and biochemistry - Experimental congenital cardiac lesions in fetal lambs
- ** P01HL-06285-14 0128 Cardiovascular-respiratory physiology and biochemistry - Pulmonary circulation in fetal lambs in utero
- ** P01HL-06285-14 0129 Cardiovascular-respiratory physiology and biochemistry - Pulmonary circulation in the fetus and neonate (lambs)
- ** P01HL-06285-14 0130 Cardiovascular-respiratory physiology and biochemistry - Ductus arteriosus-morphological development (human, lambs)
- ** P01HL-06285-14 0131 Cardiovascular-respiratory physiology and biochemistry - Heart function and right ventricular outflow obstruction (lambs)
- ** P01HL-06285-14 0132 Cardiovascular-respiratory physiology and biochemistry - Umbilical-placental circulatory responses (lambs)
- ** P01HL-06285-14 0136 Cardiovascular-respiratory physiology and biochemistry - Fetal microcirculation in utero (rabbits, lambs)
- P01HL-06882-11 0006 Regulation of the cardiovascular system - Cardiovascular studies of mammalian hibernators (sciuromorpha, rats)
- R01HL-09744-10 Experimental vascular sclerosis (monkeys)
- P01HL-10342-09 0015 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the placenta (sheep)
- P01HL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
- R01HL-10995-07 Hereditary defects in cardiovascular development (dogs)
- ** P01HL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
- R01HL-12758-13 Regulation of aldosterone secretion (human, rats)
- ** R01HL-13444-04 Prenatal hemodynamics (sheep)
- R01HL-13634-05 Renal hypertension in pregnancy (sheep)
- R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- R01HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
- P17HL-14152-04 0001 Pulmonary specialized center of research - Surface active lipoprotein in fetal lung (human, monkeys)
- P17HL-14152-04 0002 Pulmonary specialized center of research - Effect of pulmonary ischemia on surface-active lipoprotein and RDS (lambs)
- P17HL-14152-04 0003 Pulmonary specialized center of research - Cellular synthesis of surface-active material in RDS (rats, monkeys)
- ** P17HL-14152-04 0006 Pulmonary specialized center of research - Lung adaptation and extracorporeal gas exchange (lambs)
- P17HL-14152-04 0014 Pulmonary specialized center of research - Length tension studies of alveolar walls (human, mammals)
- P17HL-14177-04 0008 Center for prevention and treatment of atherosclerosis - Role of hemodynamics in atherosclerosis (rabbits, sheep, human)
- P17HL-14179-04 0023 Center for the study of lung disease - Fetal lung development and lung surfactant (rabbits, rats, monkeys)
- ** P17HL-14201-04 0005 Pulmonary disease research center - Blood volume and pulmonary blood flow in the fetus (human, lambs)
- P17HL-14201-04 0006 Pulmonary disease research center - Development of lung stability (human, animals)
- P17HL-14201-04 0024 Pulmonary disease research center - Glucocorticoid effects on fetal lung development
- P17HL-14214-04 0001 Neonatal lung center - Steroid biosynthesis and metabolism during pregnancy and parturition (sheep)
- P17HL-14214-04 0002 Neonatal lung center - Enzymes during development of lungs (rats, human)
- P17HL-14214-04 0014 Neonatal lung center - Role of renin-angiotensin hormonal systems in HMD (human, lambs)
- P17HL-14214-04 0016 Neonatal lung center - Effect of maternal distress on fetal lambs
- ** P17HL-14214-04 0020 Neonatal lung center - Epidermal growth factor in blood (lambs, human)
- P17HL-14218-04 0006 Newborn lung center - Pulmonary biochemical characteristics in RDS (human, sheep, dogs)
- ** P17HL-14218-04 0010 Newborn lung center - In vivo CO₂ equilibration curve in the fetus (monkeys)
- P17HL-14230-04 0019 Lipids, atherosclerosis and thrombosis - Tissue cholesterol and Type II hyperbeta-lipoproteinemic subject (primates)
- ** P17HL-14230-04 0040 Lipids, atherosclerosis and thrombosis - Placental transfer of cholesterol-R-C14 in the human fetus
- R01HL-15008-02 Prenatal detection of sickle cell anemia (human)
- R01HL-15013-03 Calcium effects on oxidative metabolism of lung tissue (mammals sub-human, birds)
- R01HL-15023-03 Prenatal diagnosis of sickle cell anemia homozygotes (human, chicken)
- R01HL-15125-02 Molecular pathology of genetic disorders in man
- P18HL-15157-03 0004 Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
- ** P18HL-15165-03 0003 Comprehensive sickle cell disease center - In vitro growth of hematopoietic cells from human embryonic tissue (human)
- R01HL-15341-02 Lung hormonal and chromosomal regulation (human, rats, sheep)
- R01HL-15484-02 0001 Aneurysms, arteriovenous fistulas and atherosclerosis - Ultrastructure of cerebral arterial ferks and intimal pads
- R01HL-15619-02 Regulation of prothrombin synthesis in cultured cells (human, rats)
- ** R01HL-15655-01 Blood flow and gas exchange in placenta and lungs (mammals, human)
- ** R01HL-15798-02 Determinants of fetal lamb cardiovascular development
- P01HL-15832-02 0001 Chemical predispositions to lung injury - Chemical composition of lung connective tissue proteins (human)
- ** P18HL-15997-02 0015 A comprehensive hospital-community sickle cell center - Intrauterine growth and assessment in hemoglobinopathies (human)
- P01HL-16137-01 0001 Alveolar biology - Chemical characterization of surfactant system-Lipid and lipid protein fraction
- P01HL-16137-01 0008 Alveolar biology - Macromolecular events in pulmonary cells in toxic environments (animals)
- P01HL-16137-01 0011 Alveolar biology - Pathology of alveoli and the surfactant system-Chemistry and biosynthesis
- P01HL-16137-01 0012 Alveolar biology - Pathology of alveoli and the surfactant-Fetal pulmonary fluid
- P01HL-16137-01 0013 Alveolar biology - Developmental biology and pathology of the surfactant-Formation of alveolar
- R01HL-16445-01 Regulation of fibrinogen biosynthesis (human, rats)
- ** R01HL-16506-01 An optimal fetal heart monitor
- R01HL-16654-02 Regulation in developing erythroid cells (human, rabbits, sheep)
- R23HL-17147-01 Radiographic study of the developing lung (dogs, humans)
- R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
- ** R23HL-17219-01 Steroid modification of the newborn lung (rabbits)
- ** R01HL-17328-01 Lung growth in vivo and in vitro-Hormonal influences (rats)
- ** R01MH-04000-14 Determinants of species-Specific behavior (dogs, rodents, quail)
- R01MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- R01MH-16733-06 Developmental neuropsychology (rats)
- R01MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
- ** R01MH-25075-01 Ontogenetic behavior effects of drugs (rats)
- R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- P01NS-03346-13 0013 Research center for cerebrovascular disease - Neonatal anemia-ischemia (dogs)
- P01NS-03360-14 0039 Neurological clinical research center-Epilepsy - Tissue culture of CNS-Development of organ of Corti (mice)
- R01NS-03756-12 Histogenesis in normal and abnormal brain (mice)
- R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- P01NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
- R01NS-04677-12 Central mechanism in diurnal rhythm regulation (rats)
- ** R01NS-05096-11 0014 New amine acid disorders in cerebral disease - Diagnosis of metabolic and transport disorders of the fetus (human)
- R01NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- R01NS-07016-08 Structure and organization of the cerebral cortex (cats)
- R01NS-07436-07 Neural control of gastrointestinal activity (rats, mice, rabbits)
- R01NS-07825-07 Development of the hypothalamus (rats)
- R01NS-07930-06 Fine structure and function of skeletal muscle (human, animals)
- P01NS-07938-06 0008 Peripheral and central nervous system - Development and lesions of nervous system (amphibians, rabbits, cats)
- P01NS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats)
- R01NS-08153-04 Parameters of ontogenesis of cortical neurons (dogs, ferret)
- R01NS-08391-06 Regulation of protein synthesis in neural development (mice)
- R01NS-08436-04 Metabolic regulation in glioma cells (rats)

(contd)

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**Oriented significantly in above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-08682-06 Molecular basis of cerebral degeneration (human)
- ROINS-08853-05 Specific cell interactions in histogenesis of brain (mice, chick embryo)
- ROINS-08909-04 Regional CNS uptake of amino acids (mice)
- ROINS-08989-12 Brain function during altitude acclimatization (rats)
- ROINS-09015-05 Growth of axons in development of the nervous system (rats, cats)
- ROINS-09471-02 Folic acid deficiency and brain development (mice, rats)
- ROINS-09578-05 Spinal cord development (mice)
- ROINS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
- ROINS-09018-02 In vitro biochemical differentiation of nerve cells (mice)
- ROINS-09821-04 Neural development genetic and environmental control (crustaceans)
- ROINS-09973-03 Mechanisms involved in primary demyelination (rats)
- POIRS-10162-03 0003 Management of spinal cord injury - Basic research program (human, cats, ferrets)
- ROINS-10287-19 Metabolism of serine and related compounds (rats, swine)
- ROINS-10471-02 Small computer facility
- POIRS-10920-02 0001 Development and regeneration in the nervous system - Tropic effect of acetylcholine on developing muscle receptors (rat)
- POIRS-10920-02 0005 Development and regeneration in the nervous system - Development of neuronal cell body (rats, dogs)
- POIRS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
- POIRS-10920-02 0011 Development and regeneration in the nervous system - Fatal and mature CNS cells and their interaction with viruses (human, mice)
- ROINS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
- ROINS-11119-01 Sphingolipid metabolism in selected human tissues (human)
- ** ROINS-11233-02 Neurogenetic processes in fetal brain (human, monkeys)
- ROINS-11311-01 Anatomy and physiology of embryonic sensory neurons (anurans)
- ROINS-11431-01 Fine structure of synapses and their modification (animals)
- ROINS-11454-02 Effect of somatotropin and prolactin on brain development (frogs, mice)
- ROINS-11549-01 Synapse formation in cloned cell lines (mice, rats)
- ROINS-11628-01 Ultrastructure of cell surfaces in neuropathology (rats)
- POIRS-11631-01 0003 Clinical center for research on Parkinson's and allied diseases - Electron microscopy studies (animals)
- POIRS-11631-01 0006 Clinical center for research on Parkinson's and allied diseases - Influenza virus (mice, monkeys)
- ** POIRS-11642-01 0003 Basic and clinical neuroendocrinology - Human fetal neuroendocrinology (rats)
- ** POIRS-11642-01 0015 Basic and clinical neuroendocrinology - Hormonal secretion in human pituitary cell culture
- NOIRS-32301-01 Animal holding facilities and services
- ** ROZHU-00390-03 Sympathetic responses of the uterine circulation (sheep, guinea pigs)
- ** PO7RR-00003-13 0065 Medical data processing research - Quantification of fetal heart rate
- MOIRR-00056-13 0046 General Clinical Research Center - Plasma neurophysin study during vasopressin-related events (human)
- MOIRR-00125-11 0134 General clinical research center-adult-child - Regulation of alanine metabolism in man
- PO6RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- MOIRR-00210-10 0005 General clinical research center-Maternal-child - Telemetry of fetal heart rate and uterine pressure (human)
- ** MOIRR-00210-10 0006 General clinical research center-Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
- ** MOIRR-00210-10 0007 General clinical research center-Maternal-child - Tracking of fetal movement during labor (human)
- ** MOIRR-00210-10 0018 General clinical research center-Maternal-child - Infusion insulin and growth hormone responses to arginine
- ** MOIRR-00210-10 0021 General clinical research center-Maternal-child - Fetal and maternal monitoring of abnormal gestation
- ** MOIRR-00210-10 0030 General clinical research center-Maternal-child - Evaluation of hepatic gluconeogenesis in the fetus (human, dogs)
- ** MOIRR-00210-10 0046 General clinical research center-Maternal-child - Fetuses of high risk pregnancies (rabbits)
- MOIRR-00305-08 0027 Clinical research center for children - Fetal hemodynamics in congenital heart disease
- MOIRR-00425-06 0002 General clinical research center - Concentration of estrogen during labor and post-partum (human)
- ** PO7RR-00679-02 0003 Biotechnology resource in electrophore analysis - Ions and early mammalian development
- PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE**
- ** ROICA-14650-01 Experimental brain tumors-Developmental studies (rats)
- ROICA-14872-01 Embryonic components in cancer and pathologic tissues (human, rabbits)
- POIDE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
- ** POIGM-19100-03 0026 Genetics research center - Insulin binding and response to the hormone in cell cultures (human)
- ROIHD-00727-09 Placental transfer of mineral elements (guinea pigs)
- POIHD-00781-11 0014 Studies on prematurity - Placental growth and clearance (sheep)
- POIHD-06276-03 0051 Mental retardation research program - Later gestational changes in the brain (human)
- ROIHD-06774-01 Malnutrition and psychologic development (Boytia, Colombia)
- POIHD-07256-03 0003 Child health and development studies - Cesarean section and respiratory problems of the infant (human)
- ROIHD-07681-01 Fetal cardiovascular response to asphyxia (sheep)
- ROIHD-07915-01 Development and parturition of headless porcine fetuses
- ROIHD-08346-01 CNS teratology and mental deficiency (ferrets, rats)
- ** POIHL-06285-14 0133 Cardiovascular-respiratory physiology and biochemistry - Decreased uterine blood flow and fetal development (lambs)
- ROIHL-16514-01 Pulmonary surfactant-Morphology biosynthesis, turnover (rabbits, rats)
- R23HL-17147-01 Radiographic study of the developing lung (dogs, humans)
- R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
- ROIHL-17239-01 Enzymes for lecithin synthesis in neonatal human lung
- ** NOIRS-42177-00 Provision of timed pregnant baboons (Papio Cynocephalus)
- ** NOIRS-42178-00 Provision of baboon (Papio Cynocephalus) timed pregnancies
- PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY**
- ** MOIRR-00425-06 0078 General clinical research center - Metabolism of DHEA by fetal placental unit (human)
- PREGNANCY, EMBRYO-FETUS CULTURE**
- POIAM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- POIAM-03564-15 0011 Mesenchymal tissues and their diseases - Chick embryo corneal development
- ROIAM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
- ROIAM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
- ROIAM-17766-01 Selective differentiation-Human islet organ culture (fetal)
- ROICA-04798-16 Determination of specific antigens for tumor tissues (human, rabbits)
- ROICA-10052-09 Cartilage and bone formation induced by FL cells (mice, rats, chick embryo)
- POICA-10815-06 0037 Consolidated basic cancer research program - Isolate viruses from human sarcomas and leukemias
- ROICA-12056-03 Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats)
- ** ROICA-12336-04 Embryonal tumors (mice, calves, human)
- POICA-12536-04 0009 Effects of small doses of ionizing radiation - X-ray cell transformation of rat and hamster embryos
- PO2CA-13148-03 0020 Pilot cancer center - Immunology of chronic viral infections
- POICA-14193-02 0003 Comparative leukemia studies unit - Production purification and detection of BLV (human, cattle, rats)
- ROICA-14708-02 Fine structural analysis of androgenic tumor cells (mice)
- ROICA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
- ** ROICA-16155-01 Interactions on oncogenic viruses with mouse embryos
- ** NOICM-22062-05 Procurement of embryonic cell lines with variable growth rates (mice, rats)
- NOICP-43276-00 Interaction between chemical and viral carcinogens (human, rodents)
- NOICP-43307-00 Studies of mammalian cell transport systems
- NOICP-43331-00 Propagation and storage of mutant vertebrate cells
- POIGM-15253-08 0016 Genetics in medicine-Genetic action in man - Genetic recombination in cell culture (mice, human)
- ** POIGM-19527-03 0001 Human genetics - Genetic defects affecting development (mice, sheep)
- ROIHD-00827-11 Effect of RNA and DNA on cephalic terata (mice)
- ROIHD-00836-11 Laboratory for the study of human embryos and fetuses
- ** ROIHD-03471-10 Maturation, metabolism and aging of gametes (rabbits, dogs)
- ** ROIHD-06313-03 Convection and diffusion in the vertebrate embryo (chick embryo, rats)
- ** POIHD-06321-02 0002 Genetic aspects of human fetal development - Development and differentiation in early mammalian embryos (human, rats)
- ** POIHD-06323-03 0007 Cellular senescence and control of cell proliferation - Genetic factors and aging of cultured somatic cells (human, deer)
- ** ROIHD-06550-03 Mechanisms underlying experimental teratogenesis (mice)
- ** POIHD-06645-03 0014 Center for population research - Effects of hypoxia on placental and fetal tissue in organ culture (human)
- ** POIHD-06645-03 0031 Center for population research - Preimplantation embryo, maternal fluids (mice)
- ** POIHD-06645-03 0032 Center for population research - Energy metabolism of preimplantation embryos (mice)
- ** POIHD-06645-03 0036 Center for population research - Preimplantation embryo (mice)
- POIHD-06645-03 0037 Center for population research - Effect of steroids on RNA and protein synthesis (mice, monkeys, human)
- ** ROIHD-06737-03 Antigenicity of the mouse ovum and early embryo
- ** ROIHD-07078-02 Growth and development of human fetal brain in vitro
- ** ROIHD-07534-01 Cytogenetics of primate development (monkeys, rabbits)
- ** ROIHL-14706-03 Fetal hearts in organ culture (mice)
- M POIRS-10299-03 Biophysical and biochemical studies of cellular membranes
- ** POIRS-10299-03 0027 Biophysical and biochemical studies of cellular membranes - The survival of frozen rabbit embryos
- PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS**
- SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
- ** RO1AA-00688-01 Alcohol use during pregnancy and pregnancy outcome (human)
- ** RO3AA-01274-01 Maternal alcohol use and resultant birth outcome
- ** NO1CN-45157-00 Genital tract anomalies in humans exposed in utero to synthetic estrogens
- RO1DA-00555-01 Abuse drugs-disposition, metabolism and receptors (rodents)
- RO1DA-00828-01 Psychobiological causes of opiate addiction (mice)
- ** P11GM-15477-08 0015 Drug metabolism and biochemical pharmacology - Transplacental passage of ketamine and fetal distribution (human)
- ** P11GM-15956-07 0026 Factors affecting the responses to drugs - Placenta transfer of diphenhydantoin (goats)
- ** P11GM-15956-07 0036 Factors affecting the responses to drugs - Placental transfer of lithium and effects on the newborn (goats)
- ** P11GM-15956-07 0037 Factors affecting the responses to drugs - Placental transfer of penicillin (goats)
- ** P11GM-15956-07 0052 Factors affecting the responses to drugs - Placental transfer and fetal urinary excretion of gentamicin (human, goats)
- ** P11GM-15956-07 0054 Factors affecting the responses to drugs - Placental transfer of methadone (goats)
- ** RO1GM-21739-01 Fetal and neonatal serum drug binding
- ROIHD-00400-12 Mechanisms of action of chemical teratogens (rats)
- ** POIHD-02528-08 0056 Research center in mental retardation - Placental transfer of drugs (human, goats)
- POIHD-04510-06 0010 Center for research in human development - Infant behavior laboratory (human)
- POIHD-06276-03 0008 Mental retardation research program - Child development unit (human)
- ** POIHD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)
- POIHD-07256-03 0008 Child health and development studies - Congenital anomalies (human)
- ROIHD-07534-01 Cytogenetics of primate development (monkeys, rabbits)
- ** ROIHD-07895-01 Consequence of in utero treatment (rats)
- ** ROIHD-08130-01 Teratogenicity of anesthetics (rats)
- ROIHL-12811-05 Heart conduction defects (dogs)
- ROINS-11821-01 Diphenhydantoin-induced cleft palate inhibition by B12 congeners (mice)
- MOIRR-00626-02 0073 General clinical research center - Effect of maternal propranolol on newborn (human)

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PREGNANCY, EMBRYO-FETUS SURGERY

- P01GM-15253-08 0036 Genetics in medicine—Gene action in man - Functioning and modification of the embryonic genome during preimplantation (mic)
- ** P01HD-06321-02 0005 Genetic aspects of human fetal development - Characterization of the immune system in the developing fetus (human)
- R01HD-07935-01 Mammalian lymphogenesis and immunogenesis (lambs)

PREGNANCY, EMBRYO-FETUS TRANSFUSION

- R01HD-00505-15 Transplacental passage of fetal erythrocytes (human)
- ** M01RR-00082-12 0005 General clinical research center - Intrauterine transfusion for erythroblastosis fetalis (human)
- ** M01RR-00210-10 0020 General clinical research center - Maternal-child - Amniocentesis and intrauterine transfusion in Rh-sensitized pregnancies

PREGNANCY, EMBRYO-FETUS TRANSPLANTATION

- ** N01AI-42531-00 Mammalian pregnancy-immunoregulation of cell mediated hypersensitivity (rats)
- ** R01CA-05660-14 The maternal-fetal allograft relation (mice)
- R01CA-16155-01 Interactions on oncogenic viruses with mouse embryos
- R01HD-05571-03 Prenatal stress—Hormonal and genotypical factors (rats)
- P01HD-06274-03 0004 Reproductive biology - In vitro fertilization (rabbits, monkeys, human, mice)
- ** P01HD-06321-02 0002 Genetic aspects of human fetal development - Development and differentiation in early mammalian embryos (human, rats)
- R01HD-06573-03 Oviduct factors responsible for blastocyst development (rabbits)
- R01HD-06754-02 A fetal-maternal model system (deermouse)
- ** R01HD-07534-01 Cytogenetics of primate development (monkeys, rabbits)
- ** R01HD-08746-01 Maternal response to the 'fetal allograft' (mice, monkeys)
- ** R01RR-00739-02 Development of nonhuman primate embryo transfer

PREGNANCY, IMPLANTATION

- ** P01GM-15253-08 0036 Genetics in medicine—Gene action in man - Functioning and modification of the embryonic genome during preimplantation (mic)
- ** R01HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)
- R01HD-01646-15 Gene control of mammalian development and disease (mice)
- ** R01HD-02014-09 Effect of maternal age on reproductive capacity (mice)
- P01HD-02528-08 0050 Research center in mental retardation - Hormonal control of preimplantation stages of pregnancy (rats)
- ** R01HD-03003-14 Physiology of the female tract (ferret, rodents, rabbits)
- ** R01HD-03132-07 Biochemistry of early human and mouse development
- ** P01HD-03352-07 0009 Wisconsin center on mental retardation - Embryo-uterine interrelationship (rats, monkeys)
- ** R01HD-04182-06 Adrenergic pharmacology of ovum transport (rabbits)
- ** R01HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
- ** R01HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
- ** R01HD-05090-04 Endometrial preparation for implantation (rats)
- R01HD-05154-03 Endometrial-blastocyst interrelationships (rabbits)
- ** P01HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
- R01HD-06210-03 Estrogen-like effect of the IUD on the uterus (rats)
- ** R01HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
- P01HD-06321-02 0003 Genetic aspects of human fetal development - Cytogenetics and prenatal development (human)
- ** R01HD-06362-03 Nucleotide metabolism in the decidual uterus (mice)
- ** R01HD-06380-03 Biogenic amines in ovulation and implantation (rats)
- ** R01HD-06489-03 Cyclic AMP in female reproductive hormone action (human, rats)
- ** R01HD-06556-03 Hormonal control of delayed implantation (skunks)
- ** P01HD-06645-03 0003 Center for population research - Hormones, implantation, pregnancy (monkeys)
- ** P01HD-06645-03 0013 Center for population research - Effects of sex steroids on enzymes of the uterine lining
- ** P01HD-06645-03 0026 Center for population research - Effects of progesterone and its metabolites on estrus (rats)

- ** P01HD-06645-03 0034 Center for population research - Endometrial determinants in nidation (rats, guinea pigs, human)
- P01HD-06645-03 0037 Center for population research - Effect of steroids on RNA and protein synthesis (mice, monkeys, human)
- R01HD-06754-02 A fetal-maternal model system (deermouse)
- P01HD-06916-01 Reproduction—Gametogenesis to implantation (human, mammals non-human)
- R01HD-06982-01 Functional age changes in female reproductive organs
- R01HD-07257-03 Maturation and interaction of mammalian gametes (rabbits, rodents)
- R01HD-07290-02 Control of timing and character of labor (human, animals)
- P01HD-07495-02 0026 Center for population research, studies in reproductive biology - Characterization and regulation of ovum-uterus interaction (rats, mice)
- ** P01HD-07640-01 0005 Program project in reproductive biology - Changes in control of the corpus luteum induced by implantation (rats)
- R01HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- ** R01HD-08496-01 Metabolic changes in preimplantation mouse eggs
- N01HD-92103-11 Biochemical requirements for fertilization (rabbits, cattle)

PREGNANCY, MATERNAL AGE

- R01ES-01079-01 Response of fetal and postnatal lungs to O3 and NO2 (rats)
- P01GM-20130-01 0005 Clinical genetics research center - Amniotic fluid studies (human)
- P01GM-21054-01 0005 Human genetics center - Genetic linkage
- R01HD-03002-07 Fertility and family planning in Taiwan (human)
- R01HD-03471-10 Maturation, metabolism and aging of gametes (rabbits, dogs)
- R01HD-04602-05 Goals and conditions of population control (human)
- R01HD-06669-02 Genetic and environmental bases of human cognition
- R01HD-08163-01 Systems model of human fertility

PREGNANCY, MULTIPLE

- SEE ALSO FAMILY, TWINS AND MULTIPLETS
- P01HD-00781-11 0017 Studies on prematurity - Clinical studies in pregnancy (human)

PREGNANCY, PERINATAL

- SEE ALSO BLOOD GROUP INCOMPATIBILITY PERINATAL
- SEE ALSO REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION
- P01AI-12381-01 0020 Center for study of sexually transmitted diseases - Sexually transmissible conditions and perinatal and maternal morbidity
- R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
- R01AM-11448-08 Cellular regulation of enzyme activity (rabbits, mice)
- P01AM-14877-14 0011 Kidney function in infants and children - Influence of birth on maturation of renal function (sheep)
- P01AM-14877-14 0013 Kidney function in infants and children - Renal glucose transport in the neonatal kidney (dogs)
- P01AM-14877-14 0014 Kidney function in infants and children - Vascular and tubular structures of kidney (rats, dogs, guinea pigs)
- P01AM-14877-14 0015 Kidney function in infants and children - Morphometric ultrastructural analysis of renal tubular maturation (animals)
- P01AM-14877-14 0016 Kidney function in infants and children - Kidney blood flow and renin secretion in neonatal animals (dogs)
- P01AM-14877-14 0017 Kidney function in infants and children - Response of the developing kidney to renal parenchymal loss (dogs, rats)
- P01AM-14877-14 0019 Kidney function in infants and children - Neonatal kidney in renal allotransplantation (dogs)
- P01AM-14877-14 0021 Kidney function in infants and children - Obstructive uropathy (sheep, human)
- R01AM-18088-01 Hepatic bilirubin transport (human)
- P01CA-05388-15 0003 Biology of mammary neoplasia - Developmental and endocrinological studies (human, animals)
- ** R01DA-00323-01 Biochemical effects of perinatal narcotic addiction
- R01DE-03927-01 Experimental studies on orofacial development (baboons, monkeys)
- ** R01ES-00560-03 Perinatal pesticide toxicity (mice, rats)
- ** R01ES-00782-03 Pesticide-induced change during the perinatal period (mice, rats)
- R01ES-00819-01 Perinatal manipulation of neuroendocrine development (women, rats)
- ** P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)

- P01GM-19521-03 0007 Genetic study of mammalian control systems - Subcellular localization of lysosomal enzymes (mice)
- P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- ** R01HD-03967-05 Comparative studies in perinatal toxicology (rats, opossum)
- ** R01HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
- R01HD-04532-05 Developmental enzyme formation in mammalian tissues (rats, chickens)
- ** P01HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
- P01HD-05797-04 0028 Population and reproductive biology - Immunochromatin (chickens, rats)
- ** R01HD-05835-03 Perinatal immersion effects (sheep)
- P01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
- ** P01HD-06276-03 0007 Mental retardation research program - Pre- and perinatal influence of gonadal steroids on behavior (rodents)
- P01HD-06364-03 0001 Maternal protein restriction and mental retardation - Biogenic amines (rats)
- P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- P01HD-06364-03 0004 Maternal protein restriction and mental retardation - Histoanatomic effects of protein deprivation of brain (rats)
- R01HD-06410-03 Placental transport and perinatal disorders (sheep, cows, guinea pigs)
- R01HD-06458-02 Neonatal mineral metabolism
- M R01HD-06475-01 Carbohydrate and lipid metabolism during development
- R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
- ** P01HD-07110-02 0020 Biomedical center for population research - Perinatal development (human)
- P01HD-07256-03 0010 Child health and development studies - Morbidity in childhood (human)
- R01HD-07349-01 Effects of perinatal clomiphene on rat sexual behavior
- ** R01HD-07559-01 Group B streptococci in perinatal disease (human, rats, rabbits)
- ** R01HD-08139-01 Environmental factors and perinatal mortality
- R01HD-08712-01 Mechanisms of postnatal enzyme development (rats)
- R01HD-08954-01 Neonatal nutrition—Development of fat absorption (dogs, monkeys)
- N01HD-12455-07 Research on intrapartum fetal monitoring
- ** N01HD-42068-01 Histological development of upper airway receptors in fetal and neonatal sheep
- ** P01HL-10098-10 0022 Primates in cardiovascular research - Perinatal biology
- ** R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- ** R01HL-14829-02 Perinatal cardiovascular response to acid and alkali (dogs, goats, lamb)
- R01NS-10819-01 Neonatal brain damage and vision (cats)
- ** N01NS-22321-03 Analyses of ancillary studies—perinatal project
- N01NS-42327-00 Systems analysis and programming for perinatal data
- ** N01NS-80011-11 Perinatal research project
- P07RR-00003-13 0066 Medical data processing research - Prediction of neonatal conditions
- P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory

PREGNANCY, PLACENTA

- SEE ALSO PREGNANCY MEMBRANES
- R01AI-11019-01 Metabolism of branched chain amino acids (human, bacteria)
- ** R01AM-03270-15 Steroid intermediate metabolism (human, primates)
- R01AM-04652-14 Intestinal absorption of mineral ions (chickens)
- P01AM-09001-10 0024 Biochemistry and immunology of blood diseases - Tryptophan-tRNA synthetases of E coli and man
- R01AM-09758-09 Polyunsaturated fatty acid interconversions (rats)
- R01AM-10081-09 Mode of action and synthesis of prostaglandin hormones (human)
- R01AM-10811-09 Glycosaminoglycans in health and disease states
- R01AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
- R01AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- R01AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
- P01AM-14877-14 0011 Kidney function in infants and children - Influence of birth on maturation of renal function (sheep)
- R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1AM-15708-03 Binding, biosynthesis and action of steroids (human)
- RO1CA-07093-12 Tyrosinases—Mechanism of action and regulation (human, rodents, pigs)
- RO1CA-13332-03 Fundamental enzymologic studies applied to oncology (human, mice)
- RO1CA-16309-01 Carcino fetal isoferritins (human)
- ** RO1CA-16357-01 Prevention of death from radio-chemotherapy (mice)
- NO1CP-43381-00 Isolation of human xenotropic viruses (tissue culture)
- NO1ES-32102-03 Effects of environmental components on reproduction and ontogenesis (mammals)
- PO1GM-10548-12 0005 Nuclear instrumentation and chemistry in medicine - Radiometric assays in diagnostic medicine
- P11GM-12675-10 0052 Biochemical toxicology and pharmacology - Adrenodoxin in hydroxylations mediated by cytochrome P-450 (mammals, human)
- PO1GM-15003-13 0003 The biological functions of metals - Alkaline phosphatase (E coli, yeast, human, Euglena)
- RO1GM-15289-07 Electron microscopy of cells having cycles (human, primates, mammals)
- PO1GM-18940-02 0009 Study of radiologic images - In vivo radionuclide distribution studies (rodents, monkeys, human)
- PO1GM-21096-01 0005 Enzyme therapy in lysosomal storage diseases - Structural studies on human beta-glucuronidase (from platelets, placenta)
- RO1GM-21405-01 Modified nucleotides in mammalian tRNA (cattle, human, wheat, E coli)
- RO1HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)
- ** RO1HD-00462-19 Physiology of the placenta (human)
- RO1HD-00630-11 New experimental methods of teratogenesis (rats, monkeys)
- ** PO1HD-00781-11 0013 Studies on prematurity - Placental cell surface antigens (sheep)
- ** PO1HD-00781-11 0014 Studies on prematurity - Placental growth and clearance (sheep)
- ** RO1HD-01026-10 0001 Cytology of mammalian differentiation - Uterine-placental relationship (bandicoots, rats, opossums)
- NO1HD-02158-05 Develop inhibitors to estrogen biosynthesis (human)
- ** RO1HD-02371-08 Hormone control of the mammary gland (human, animals)
- ** RO1HD-02715-06 Fetal and neonatal adrenocortical function in monkeys
- ** PO1HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
- ** RO1HD-03939-06 Human fetoplacental-maternal interaction
- ** RO1HD-04072-06 Placental and fetal RNA metabolism (rats)
- ** RO1HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
- ** RO1HD-04287-06 Regulation of drug metabolism during development (human, monkeys)
- ** RO1HD-04839-05 0005 Metabolism of drug substrates by human placenta - Biochemical analyses of human placental particulate fractions
- ** RO1HD-04839-05 0006 Metabolism of drug substrates by human placenta - Deamination reactions (human)
- RO1HD-04839-05 0007 Metabolism of drug substrates by human placenta - Reciprocity between AHH and cholesterol side-chain oxidase (human)
- ** RO1HD-04839-05 0008 Metabolism of drug substrates by human placenta - Cellular localization of placental AHH (human)
- RO1HD-04839-05 0009 Metabolism of drug substrates by human placenta - Mechanisms of oxidation-reduction reactions in tissue-free models (human)
- ** RO1HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
- PO1HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
- ** PO1HD-05671-03 0037 Center for population research - Biology of gonadotropin from human placenta (rats)
- PO1HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
- ** RO1HD-05942-03 Uterine and placental control of luteal function (rabbits)
- ** RO1HD-06057-02 Progesterone metabolism in human fetoplacental unit (also rats)
- ** RO1HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
- RO1HD-06406-03 Regulation of uterine blood flow (monkeys)
- ** RO1HD-06415-03 Cytology of placental function (human, mammals)
- ** RO1HD-06467-03 Role of fetoplacental unit in maintenance of pregnancy (rats, monkeys)
- RO1HD-06525-04 Hormonal mechanisms regulating growth and development (human placenta)
- ** RO1HD-06579-02 Local control of progesterone levels in pregnancy (human, animal)
- RO1HD-06637-03 Maternal anemia, placental circulation, and fetal growth (sheep)
- ** PO1HD-06645-03 0014 Center for population research - Effects of hypoxia on placental and fetal tissue in organ culture (human)
- R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
- ** RO1HD-06736-03 Regulation of uterine blood flow (sheep)
- ** RO1HD-06754-02 A fetal-maternal mode: system (deermouse)
- RO1HD-06799-01 Corticosteroids in the fetoplacental unit (human)
- RO1HD-06883-01 Control of steroid hormone biosynthesis in pregnancy (human)
- ** PO1HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- RO1HD-06929-02 Fetal health and amniotic fluid HCS and prolactin (monkeys)
- ** RO1HD-07036-02 Biochemistry of placental development and function (continued)
- ** RO1HD-07045-02 Prostaglandin metabolism in human placenta
- ** RO1HD-07091-02 Distribution and functions of ACH in placenta (human, animals)
- ** PO1HD-07110-02 0013 Biomedical center for population research - Hormone protein interaction (human)
- RO1HD-07461-01 An inhibitor of DNA synthesis of placental origin (human, rats)
- RO1HD-07476-01 Diamine metabolism in tissue growth (rat placenta)
- ** RO1HD-07923-02 0004 Steroid hormone metabolism - Control of placental function (human)
- RO1HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
- ** RO1HD-08360-01 Placental function in normal and abnormal pregnancy (human)
- RO1HD-08457-01 Analysis and metabolism of diethylstilbestrol (humans, mammals)
- ** RO1HD-08692-01 Dynamics of estrogen biosynthesis (human)
- RO1HD-08695-01 Developmental biology and gametogenesis (marmosets)
- RO1HD-08968-01 Definitions and mechanism of hyperlipemia in pregnancy (human, rats)
- NO1HD-42871-00 Rat placental lactogen radioimmunoassay (rats, rabbits)
- P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)
- RO3MH-25747-01 Biological control of placentophagia (rats)
- ** MO1RR-00210-10 0009 General clinical research center—Maternal-child - Glycosaminoglycans composition of human placenta
- ** MO1RR-00210-10 0042 General clinical research center—Maternal-child - Placental pathology—Phase contrast microscopy and fetal monitoring in labor
- ** PO7RR-00273-09 0010 Mass spectrometric facility for biomedical research - Uterine and placental blood flow in pregnancy (rabbits, human)
- ** PO7RR-00273-09 0011 Mass spectrometric facility for biomedical research - Placental hormone biosynthesis

PREGNANCY, PLACENTAL NEOPLASMS

SEE ALSO PREGNANCY DISORDERS

- ** RO1CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- RO1CA-12109-04 0001 Trophoblastic disease - Carbohydrate metabolism in choriocarcinoma
- RO1CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
- RO1CA-12109-04 0003 Trophoblastic disease - Radioimmunoassay
- RO1CA-12109-04 0004 Trophoblastic disease - Chemotherapy of trophoblastic disease
- RO1CA-12109-04 0006 Trophoblastic disease - Diamine oxidase
- ** RO1CA-12109-04 0007 Trophoblastic disease - Choriocarcinoma and histocompatibility antigens (human)
- RO1CA-12109-04 0008 Trophoblastic disease - HLA markers in choriocarcinoma
- RO1CA-12109-04 0009 Trophoblastic disease - Lymphocytotoxic antibodies toward HLA antigens (human)
- RO1CA-12109-04 0010 Trophoblastic disease - Cytotoxic serum factors in choriocarcinoma (human)
- RO1CA-12109-04 0011 Trophoblastic disease - Mixed lymphocyte lympholysis between cells of patient and husband
- RO1CA-12109-04 0012 Trophoblastic disease - Blocking factors against cytotoxicity by lymphocytes
- RO1CA-12109-04 0013 Trophoblastic disease - Hydatid mole
- RO1CA-12109-04 0014 Trophoblastic disease - Choriocarcinoma and invasive mole—Height of initial HCG titer
- RO1CA-12109-04 0015 Trophoblastic disease - Choriocarcinoma—Prognosis in molar and non-molar pregnancies
- RO1CA-12109-04 0016 Trophoblastic disease - Histopathology of choriocarcinoma
- RO1CA-12109-04 0017 Trophoblastic disease - Early detection and therapy of choriocarcinoma with non-molar gestation

- RO1CA-12109-04 0018 Trophoblastic disease - Early detection of choriocarcinoma and invasive mole with hydatid mole
- RO1CA-12109-04 0019 Trophoblastic disease - Chemotherapy of choriocarcinoma in high risk patients
- RO1CA-12109-04 0020 Trophoblastic disease - Earliest effectiveness of cancer chemotherapy
- ** RO1CA-12109-04 0021 Trophoblastic disease - Chemotherapy of patients with choriocarcinoma and invasive mole
- ** R10CA-12477-04 Gynecologic oncology group
- ** R10CA-12482-04 Gynecologic oncology group
- ** R10CA-12484-04 Gynecologic oncology group (human)
- ** R10CA-12534-04 Gynecologic oncology group
- ** R10CA-12535-04 Gynecologic oncology group
- PO2CA-13148-03 0001 Pilot cancer center - Gynecologic oncology
- PO2CA-13148-03 0002 Pilot cancer center - Hormone assays in gynecologic tumors
- RO1CA-13372-03 Prevention and treatment of trophoblastic disease
- ** RO1CA-13533-03 Ectopic placental proteins in cancer (human)
- R18CA-16400-01 0006 Cancer control development grant - Education and training projects (human)
- ** R18CA-16409-01 0002 Cancer control developmental grant - Trophoblastic disease laboratory
- ** NO1CP-81010-10 Human trophoblast cell line
- ** MO1RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
- ** MO1RR-00048-13 0030 Clinical center - Carbohydrate metabolism and placental hormone in trophoblastic disease (human)

PREGNANCY, PLACENTAL NEOPLASMS, CHORIOCARCINOMA

- RO1AM-10273-08 Chorionic gonadotropin (human, sheep, rats)
- RO1AM-16497-02 0027 Normal and disordered thyroid hormone economy - Thyroid hormone economy in molar pregnancy (Japan)
- ** RO1AM-17307-01 Hormone production in cultured endocrine cells (rats)
- ** PO2CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
- R10CA-10186-08 Western cancer study group
- PO2CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)
- PO2CA-10895-06 0012 Adult leukemia research center - Immunogenetics
- PO2CA-10895-06 0014 Adult leukemia research center - Hormones (human)
- ** RO1CA-12109-04 0001 Trophoblastic disease - Carbohydrate metabolism in choriocarcinoma
- ** RO1CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
- ** RO1CA-12109-04 0007 Trophoblastic disease - Choriocarcinoma and histocompatibility antigens (human)
- RO1CA-12109-04 0009 Trophoblastic disease - Lymphocytotoxic antibodies toward HLA antigens (human)
- ** RO1CA-12109-04 0010 Trophoblastic disease - Cytotoxic serum factors in choriocarcinoma (human)
- ** RO1CA-12109-04 0013 Trophoblastic disease - Hydatid mole
- ** RO1CA-12109-04 0014 Trophoblastic disease - Choriocarcinoma and invasive mole—Height of initial HCG titer
- ** RO1CA-12109-04 0015 Trophoblastic disease - Choriocarcinoma—Prognosis in molar and non-molar pregnancies
- ** RO1CA-12109-04 0016 Trophoblastic disease - Histopathology of choriocarcinoma
- ** RO1CA-12109-04 0017 Trophoblastic disease - Early detection and therapy of choriocarcinoma with non-molar gestation
- ** RO1CA-12109-04 0018 Trophoblastic disease - Early detection of choriocarcinoma and invasive mole with hydatid mole
- ** RO1CA-12109-04 0019 Trophoblastic disease - Chemotherapy of choriocarcinoma in high risk patients
- RO1CA-12109-04 0020 Trophoblastic disease - Earliest effectiveness of cancer chemotherapy
- ** RO1CA-12109-04 0021 Trophoblastic disease - Chemotherapy of patients with choriocarcinoma and invasive mole
- ** R10CA-12483-04 Gynecologic oncology group
- ** RO1CA-13533-03 Ectopic placental proteins in cancer (human)
- RO1CA-14694-02 An immunologic approach to trophoblastic neoplasia (human)
- PO2CA-15145-01 0004 Cancer center support grant - Immunologic approach to trophoblastic disease
- ** PO2CA-15145-01 0005 Cancer center support grant - Tissue culture of choriocarcinoma and hydatid mole
- ** PO2CA-15145-01 0006 Cancer center support grant - Combination chemotherapy of high risk choriocarcinoma and invasive mole (human)
- ** PO2CA-15145-01 0007 Cancer center support grant - Early detection of choriocarcinoma and invasive mole (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Orignal significantly above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-15145-01 0009 Cancer center support grant - Nuclear proteins and transcription of chromatin from trophoblast (hamsters)
- P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
- ** P02CA-15145-01 0011 Cancer center support grant - Chemotherapy of choriocarcinoma and invasive mole (human)
- ** P02CA-15145-01 0012 Cancer center support grant - Detection of choriocarcinoma and invasive mole
- R01CA-15980-01 Treatment of malignant disease of brain (monkeys)
- R01HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
- ** R01HD-07181-03 Placental thyrotropins biochemistry and physiology (human)
- P01HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)
- M01HD-12133-07 Growth of human trophoblast cells in culture
- M01RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
- ** M01RR-00048-13 0006 Clinical center - Chemotherapy and choriocarcinoma (human)
- PREGNANCY, PLACENTAL NEOPLASMS, HYDATIDIFORM MOLE**
- ** R01AM-16497-02 0027 Normal and disordered thyroid hormone economy - Thyroid hormone economy in molar pregnancy (Japan)
- ** P02CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
- ** R01CA-12109-04 0013 Trophoblastic disease - Hydatid mole
- R01CA-12109-04 0014 Trophoblastic disease - Choriocarcinoma and invasive mole-Height of initial HCG titer
- R01CA-12109-04 0015 Trophoblastic disease - Choriocarcinoma-Prognosis in molar and non-molar pregnancies
- ** R01CA-12109-04 0018 Trophoblastic disease - Early detection of choriocarcinoma and invasive mole with hydatid mole
- R01CA-12109-04 0020 Trophoblastic disease - Earliest effectiveness of cancer chemotherapy
- ** R01CA-12109-04 0021 Trophoblastic disease - Chemotherapy of patients with choriocarcinoma and invasive mole
- R01CA-14694-02 An immunologic approach to trophoblastic neoplasia (human)
- P02CA-15145-01 0004 Cancer center support grant - Immunologic approach to trophoblastic disease
- ** P02CA-15145-01 0005 Cancer center support grant - Tissue culture of choriocarcinoma and hydatid mole
- ** P02CA-15145-01 0006 Cancer center support grant - Combination chemotherapy of high risk choriocarcinoma and invasive mole (human)
- ** P02CA-15145-01 0007 Cancer center support grant - Early detection of choriocarcinoma and invasive mole (human)
- P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
- ** P02CA-15145-01 0011 Cancer center support grant - Chemotherapy of choriocarcinoma and invasive mole (human)
- P02CA-15145-01 0012 Cancer center support grant - Detection of choriocarcinoma and invasive mole
- R01HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
- ** R01HD-07181-03 Placental thyrotropins biochemistry and physiology (human)
- ** M01RR-00048-13 0006 Clinical center - Chemotherapy and choriocarcinoma (human)
- PREGNANCY, POSTPARTUM**
- SEE ALSO PITUITARY GLAND DISORDERS, HYPOPIUITARISM, SHEEHAN'S SYNDROME
- R01AM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
- R01AM-12432-06 Human chromium nutrition and deficiency
- P01CA-12707-03 0002 Cancer epidemiology program grant - Cervix cancer (human)
- P10ES-00260-12 0029 Research in the environmental health sciences - Breast cancer after postpartum mastitis
- ** P01GM-15422-07 0002 Program project in genetics - Reproductive physiology (sheep, swine, cattle)
- P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- ** P01GM-15904-07 0025 Anesthesiology center for research and teaching - Post-partum pain
- R01HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)
- R01HD-05291-04 Hormonal regulation of an enzyme system in the uterus (rats)
- P01HD-05615-04 0005 Developmental biology in mental retardation - Postnatal brain development (rabbits)
- R01HD-05935-03 Anesthetic and myometrial contractility (human, rats)
- P01HD-06645-03 0007 Center for population research - Steroidal regulation of ovulation (rats)
- ** R01HD-06773-03 Tissue collagenase and its control by steroids (rats)
- R01HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
- R01HD-07900-01 Magnesium status of poor urban mothers and babies
- ** R01HD-08712-01 Mechanisms of postnatal enzyme development (rats)
- M01HD-12455-07 Research on intrapartum fetal monitoring
- ** M01HD-22737-04 Ecological study in a Guatemalan village
- R01MH-08604-11 0004 Psychobiology of maternal behavior - Neural basis (rats)
- ** P01MH-13002-06 0024 Clinical and laboratory studies of affective disorder - Depressive symptoms during pregnancy and puerperium
- R01MH-21044-04 Reproductive endocrinology of depression
- R01MH-25172-01 Preparation for childbirth and family relationships
- ** M01RR-00102-11 0011 General clinical research center - Pregnant, contraceptive-treated and post-partum women
- ** M01RR-00261-09 0106 General clinical research center - Function of postpartum corpus luteum (human)
- ** M01RR-00425-06 0002 General clinical research center - Concentration of estrogen during labor and post-partum (human)
- ** M01RR-00425-06 0055 General clinical research center - Postpartum toxemia (human)
- PREGNANCY, PRENATAL STRESS**
- SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
- R01AA-00252-05 Alcohol and brain macromolecules (mice, rats)
- ** R01AA-00297-03 Zygotic and uterine mediated effects of alcohol (mice)
- R03AA-01274-01 Maternal alcohol use and resultant birth outcome
- R01AI-10678-03 Immunobiology of tissue transplantation and pregnancy (rodents, rabbits)
- R01AI-11199-02 Bacterial interference in gonorrhoea (human)
- ** R01AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
- ** P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- R01AM-17708-01 Protein-energy relationships in malnutrition
- R01CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
- ** P01CA-08748-09 6304 Research program of Sloan-Kettering Institute - Radiation induced maternal dysfunction as a factor in embryonic mortality (rats)
- ** P01CA-10815-06 0005 Consolidated basic cancer research program - Maternal-fetal histocompatibility antigen (mammals)
- R01CA-12208-03 Oxford survey of childhood cancers
- ** R01CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
- P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- N01CP-43336-00 epidemiologic studies in etiology of cancer in veterans
- ** P01DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
- ** P01DE-03610-08 0001 Cranio-facial growth and development - Prenatal studies (human)
- P01ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
- ** P01ES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)
- ** P01ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
- ** P01ES-00454-06 0020 Biological effects of environmental agents - Behavioral and CNS system effects of CO exposure (rats, baboons)
- R01ES-00709-03 Chronic and multi-generation of cadmium (rats, monkeys)
- R01ES-00883-01 Effect of lead in the developing neonatal brain (rats)
- R01ES-01079-01 Response of fetal and postnatal lungs to O₃ and NO₂ (rats)
- ** R01EY-01060-04 Cataract from a vegetable protein-based diet (rats)
- P01GM-09069-12 0001 Research in anesthesiology - Respiratory distress syndrome in newborn lambs
- ** P01GM-09069-12 0002 Research in anesthesiology - Renal function in fetal lambs
- P01GM-09069-12 0003 Research in anesthesiology - Maternal-fetal temperature gradients in baboons
- P01GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
- P01GM-16934-06 0018 Sulfonamides and carbonic anhydrase-Basis for therapy - Teratogenesis induced by carbonic anhydrase inhibitors (rats)
- R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
- R01HD-00622-10 Human chromosomal defects - Epidemiology and etiology
- P01HD-00781-11 0004 Studies on prematurity - Fetal cerebral metabolism (sheep)
- ** R01HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)
- ** R01HD-02355-08 Genetic-nutritional interactions in development (mice)
- ** P01HD-02528-08 0080 Research center in mental retardation - Pregnancy stress and fetal growth (rats)
- ** P01HD-02881-07 0001 Developmental and behavioral neuroendocrinology - Prenatal studies (mice)
- ** P01HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)
- ** P01HD-03015-08 0035 Program for developmental biology - Respiratory distress syndrome indicators in amniotic fluid (human)
- ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- ** P01HD-03693-06 0001 Pathogenesis of chronic infections - Pathogenesis of pyelonephritis (human, rats)
- ** P01HD-03693-06 0002 Pathogenesis of chronic infections - Maternal health and epidemiology (human)
- ** P01HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
- R01HD-04287-06 Regulation of drug metabolism during development (human, monkeys)
- R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- P01HD-04510-06 0010 Center for research in human development - Infant behavior laboratory (human)
- R01HD-04532-05 Developmental enzyme formation in mammalian tissues (rats, chickens)
- ** P01HD-04612-06 0010 Mental retardation research center - Obstetrical problems relating to fetal jeopardy
- R01HD-04688-05 Effects of prepupal stress on adult sexual behavior (rats)
- R01HD-05111-04 Production and excretion of urea in prenatal life (sheep)
- R01HD-05204-04 Malnutrition and the nervous system (rats)
- ** R01HD-05285-03 Experimental phenylketonuria (rats)
- R01HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
- ** R01HD-05571-03 Prenatal stress-Hormonal and genotypical factors (rats)
- ** P01HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
- P01HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
- ** P01HD-05615-04 0007 Developmental biology in mental retardation - Neonatal pancreatic responses to insulin secretagogues (human)
- R01HD-05755-04 Minor birth defects for environmental monitoring (human)
- R01HD-05828-03 Role of immunity in congenital disease (sheep)
- P01HD-05961-03 0001 Human and mammalian development - Developmental defects of intrauterine B6 deficiency (rats)
- P01HD-05961-03 0004 Human and mammalian development - Primary cellular growth deficiency in humans
- R01HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
- P01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
- P01HD-06276-03 0021 Mental retardation research program - Psychophysiological and behavioral differences (adults, infants)
- P01HD-06276-03 0088 Mental retardation research program - Child development unit (human)
- M P01HD-06364-03 Maternal protein restriction and mental retardation
- P01HD-06364-03 0001 Maternal protein restriction and mental retardation - Biogenic amines (rats)
- P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- ** P01HD-06364-03 0003 Maternal protein restriction and mental retardation - Electrophysiological indices of brain malfunction (rats)
- P01HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
- ** R01HD-06637-03 Maternal anemia, placental circulation, and fetal growth (sheep)
- R01HD-06669-02 Genetic and environmental bases of human cognition
- R01HD-06751-02 Epidemiology of mental retardation-A national study (Netherlands)
- R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
- P01HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- R01HD-06917-02 Nutrition and the thymolymphatic system (rats, human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- R01HD-07036-02 Biochemistry of placental development and function (continued)
- R01HD-07195-02 Nutrition and cell growth (rats)
- R01HD-07200-01 Heritability and mental development
- R01HD-07256-03 0008 Child health and development studies - Congenital anomalies (human)
- R01HD-07256-03 0010 Child health and development studies - Morbidity in childhood (human)
- R01HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- ** R01HD-07377-01 Mechanisms of fetal cerebral vascular control (sheep)
- R01HD-07479-02 Pre- and post natal undernutrition and adaptive capacity (monkeys)
- ** R01HD-07559-01 Group B streptococci in perinatal disease (human, rats, rabbits)
- R01HD-07649-01 Behavioral effects of early malnutrition in monkeys
- ** R01HD-07681-01 Fetal cardiovascular response to asphyxia (sheep)
- R01HD-08288-01 Assay of potato tuber metabolites (fungi, marmosets, rodents, swine)
- R01HD-08315-01 0002 Biochemical, genetic and other studies in retardation - Brain development in offspring following supplementation of maternal diet (rats)
- R01HD-08477-04 Sympathetic responses of the uterine circulation (sheep)
- R01HD-08633-01 Prematurity in primates - Cause, effects, prevention
- ** R01HD-08966-01 0001 Early diagnostic studies of aberrant development - Total monitoring during labor (human)
- R01HD-08966-01 0002 Early diagnostic studies of aberrant development - Fetal monitoring - Data processing
- R01HD-08966-01 0003 Early diagnostic studies of aberrant development - Prenatal identification of study patients
- ** R01HD-12455-07 Research on intrapartum fetal monitoring
- ** R01HD-42867-00 Fetal effects of maternal smoking related to other risk factors
- R01HD-92180-13 Prevention of prematurity and developmental disorders (human)
- R01HL-12373-06 0005 Cardiopulmonary physiology and pathophysiology - Characterization of fetal and neonatal myocardium (sheep)
- P17HL-14141-04 0001 SCOR for atherosclerosis in childhood - Clinical implications (infants and children)
- ** P17HL-14141-04 0002 SCOR for atherosclerosis in childhood - Intrauterine environment of proband group (human)
- P17HL-14214-04 0014 Neonatal lung center - Role of renin-angiotensin hormonal systems in HMD (human, lambs)
- ** P17HL-14214-04 0016 Neonatal lung center - Effect of maternal distress on fetal lambs
- ** P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)
- ** R01HL-15798-02 Determinants of fetal lamb cardiovascular development
- R23HL-17154-01 Liquid ventilation in newborn with RDS (sheep)
- ** R01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
- ** R01MH-16544-04 Neonatal factors in serious mental disorder (human)
- R01MH-18857-02 Offspring of psychotic women (Sweden)
- R01MH-22659-02 Treating minimal brain dysfunction and hyperactivity (human)
- R01MH-23533-01 Early experience, development, and adaptation (rats, mice)
- ** R01NS-05096-11 0006 New amino acid disorders in cerebral disease - Maternal phenylketonuria (mothers, children)
- ** R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- ** R01NS-80004-12 Research in pregnancy factors and resultant child outcome
- ** R01NS-80006-10 Research in pregnancy factors and resultant child outcome
- ** R01NS-80007-10 Perinatal research project
- ** R01NS-80009-12 Perinatal research project
- ** R01NS-80010-08 Perinatal research project
- R01NS-80011-11 Perinatal research project
- ** R01NS-80012-13 Perinatal research project
- ** R01NS-80013-08 Perinatal research project
- ** R01NS-80014-08 Perinatal research project
- ** R01NS-80017-12 Pregnancy factors and resultant child outcome
- ** R02NU-00390-03 Sympathetic responses of the uterine circulation (sheep, guinea pigs)
- M01RR-00034-14 0036 General clinical research center - Effect of hypotensive agents on tonemia of pregnancy (human)
- M01RR-00060-13 0036 General clinical research center - Imipramine and methylphenidate in hyperactive children
- M01RR-00062-12 0002 Clinical research center, children - Adrenal metabolism during perinatal period
- ** P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- ** M01RR-00210-10 0005 General clinical research center - Maternal-child - Telemetry of fetal heart rate and uterine pressure (human)
- M01RR-00210-10 0006 General clinical research center - Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
- M01RR-00210-10 0017 General clinical research center - Maternal-child - Constant rate glucose infusion into stomach of newborn infant (human)
- ** M01RR-00210-10 0018 General clinical research center - Maternal-child - Infusion insulin and growth hormone responses to arginine
- ** M01RR-00210-10 0022 General clinical research center - Maternal-child - Constant rate glucose infusion into pregnant mother during labor and delivery
- ** M01RR-00210-10 0029 General clinical research center - Maternal-child - Amniotic fluid studies
- ** M01RR-00210-10 0046 General clinical research center - Maternal-child - Fetuses of high risk pregnancies (rabbits)
- M01RR-00262-09 0031 General clinical research center - Plasmin inhibitors in diabetes (human)
- ** M01RR-00305-08 0085 Clinical research center for children - Pancreatic function and carbohydrate metabolism in newborn
- M01RR-00425-06 0078 General clinical research center - Metabolism of DHEA by fetal placental unit (human)
- M01RR-00827-01 0015 General clinical research center - Echocardiographic assessment in perinatal period (human)
- PREGNANCY, PSEUDOPREGNANCY**
- P01AM-06704-12 0004 Neural and humoral control of endocrine function - Reproductive neuroendocrinology (rats)
- R01HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)
- ** N01HD-02310-05 Regulate changes in corpus luteum physiology in the rat
- R01HD-04312-06 Physiologic control of prolactin secretion (rats)
- R01HD-04375-04 Role of light in CNS-pituitary-gonadal control (rats)
- P01HD-05797-04 0034 Population and reproductive biology - Histology and photography
- R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- R01HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
- PREGNANCY, UMBILICAL CORD**
- R01AI-10894-03 Hepatitis, HAA and anti-HAA in mothers and infants
- P01GM-09069-12 0061 Research in anesthesiology - Fetal monitoring (baboons)
- ** P01HD-05342-04 0010 Mental retardation and brain development - Influence of increased maternal amino acid blood levels on fetal lambs
- R01HD-06637-03 Maternal anemia, placental circulation, and fetal growth (sheep)
- ** R01HD-06736-03 Regulation of uterine blood flow (sheep)
- ** R01HL-01803-20 0008 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Cultures of endothelial cells derived from umbilical cord veins (human)
- P01HL-06285-14 0132 Cardiovascular-respiratory physiology and biochemistry - Umbilical-placental circulatory responses (lambs)
- R01HL-08251-11 0001 Pathophysiology of vascular injury - Endothelial regeneration (rats, rabbits)
- P17HL-14214-04 0020 Neonatal lung center - Epidermal growth factor in blood (lambs, human)
- N01HV-12158-05 Establishment of a lipid research clinic (human, mammals non-human)
- M01RR-00210-10 0033 General clinical research center - Maternal-child - Neonatal morbidity and mortality and presence coarctive protein in cord blood
- PREGNANCY CIRCULATION**
- ** R01HD-02798-07 Primate uterine physiology (monkeys)
- ** P01HD-05342-04 0010 Mental retardation and brain development - Influence of increased maternal amino acid blood levels on fetal lambs
- ** R01HD-08025-01 Exercise hemodynamics and respiration in pregnancy (human, goats)
- ** R01HD-08360-01 Placental function in normal and abnormal pregnancy (human)
- R01HD-08692-01 Dynamics of estrogen biosynthesis (human)
- ** R01HL-14121-04 Effects of female sex hormones on the circulation (rats, rabbits)
- P17HL-14141-04 0002 SCOR for atherosclerosis in childhood - Intrauterine environment of proband group (human)
- P17HL-14201-04 0001 Pulmonary disease research center - Asphyxia, hypovolemia and hypotension in IRDS (human infants)
- ** R01HL-16560-01 Uterine prostaglandins and circulatory regulation (dogs)
- PREGNANCY CIRCULATION, PLACENTAL TRANSFER**
- SEE ALSO PREGNANCY CIRCULATORY DISORDERS, FETOMATERNAL TRANSFUSION
- SEE ALSO PREGNANCY IMMUNOLOGY
- R01AI-00771-20 Wildlife reservoirs of arboviruses (rodents, deer)
- R01AI-03028-15 Ecology and control of arboviruses (animals)
- ** R01AI-07854-07 Immune responses of newborns to ingested antigens (human, rabbits)
- R01AI-09484-05 Chronic neurologic disorders caused by persistent viral infection (mice)
- R22AI-10466-03 Immunity to cholera (mice)
- R01AI-10894-03 Hepatitis, HAA and anti-HAA in mothers and infants
- R01AI-11234-02 Structure and genetic control of rabbit IgA
- R01AI-12018-01 Human perinatal infections with Coxiella burnetii
- R01AM-10894-08 0004 Genetic metabolic diseases of infancy and childhood - Galactose toxicity (chicks, rats)
- R01AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
- ** R01AM-11376-13 Plasma hormone-binding proteins and estrogen action (mammals)
- ** R01AM-14106-04 Growth hormone secretion rates (human, monkeys)
- R01AM-15442-03 Iron metabolism in inherited hypochromic anemias (mice, rat)
- R01AM-15525-03 Regulation of erythropoiesis in fetus and adult (human, goat, mice)
- R01AM-16577-02 Mammalian iron metabolism (human, rats, rabbits)
- R01AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
- ** R01CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, rats)
- P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
- R01CA-08627-08 Antigenic changes in mouse leukemogenesis (mice, rabbits)
- ** R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- P01CA-10815-06 0043 Consolidated basic cancer research program - Interrelationship between chemical carcinogens and RNA tumor viruses (rats, mice)
- R01CA-11224-06 0002 Neurooncogenesis by repressing carcinogens - In vitro transformation of glial cells by MNV and ENU (rats)
- R01CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
- ** R01CA-13377-02 Immunological prevention of leukemia induction (mice)
- R01CA-15084-01 Immunosuppressive factors in hepatoma and cord blood (human, rats)
- N01CP-33255-02 Natural occurrence of RNA tumor viruses- genomes (mice)
- N01CP-33287-01 Definition of sensitivity of carcinogenesis bioassay systems (mice)
- R01DA-00111-02 Chronic THC - Effects of brain development (mice)
- ** R01DA-00122-03 Methadone fate in the pregnant subject, fetus and newborn (rats, sheep)
- ** R01DA-00141-03 Cannabinoids during pregnancy and interaction with drugs (mice, rats)
- R01DA-00393-03 Biological effects of antibodies against morphine (human, cattle, mice, rabbits)
- R01DA-00555-01 Abuse drugs-disposition, metabolism and receptors (rodents)
- P01ES-00049-10 0005 Mode of action and metabolism of organic toxicants - Chlorinated hydrocarbons-2,3,7,8-tetrachlorodibenzo-p-dioxin (rats, mice)
- P01ES-00049-10 0016 Mode of action and metabolism of organic toxicants - Biochemistry of teratogenesis induced by esterase inhibitors (mice, rats)
- P10ES-00210-07 0022 Center for environmental management - Pharmacodynamics of aromatic acids (rats)
- ** P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
- ** P01ES-00454-06 0013 Biological effects of environmental agents - Cytochrome P450 binding compounds and oxygen transfer (sheep)
- ** P01ES-00481-03 0004 Subcellular pathology of heavy metals - Low dietary calcium and iron and susceptibility to lead poisoning (rats)
- R01ES-00674-01 Carcinogenicity of environmental mycotoxins (rats)
- R01ES-00677-03 Methyl mercury teratogenesis (mice, monkeys)
- R01ES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
- R01ES-00709-03 Chronic and multi-generation of cadmium (rats, monkeys)
- R01ES-00782-03 Pesticide-induced change during the perinatal period (mice, rats)
- R01ES-00820-02 Toxicity of organic mercury for the fetus and newborn (human, monkeys)
- P01ES-01059-01 0002 Metallic mercury vapor as an environmental hazard - Pharmacokinetics of inhaled mercury vapor (human, animals)
- P01GM-09069-12 0053 Research in anesthesiology - W19053, local anesthetic (rodents)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- ** P01GM-09069-12 0058 Research in anesthesiology - Obstetric anesthesia and fetal pharmacology (guinea pigs)
- ** P01GM-09069-12 0060 Research in anesthesiology - Placental transfer of meperidine and naloxone (sheep)
- ** P01GM-09069-12 0082 Research in anesthesiology - Placental transfer of meperidine and naloxone in pregnant ewes
- P01GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
- M P11GM-12675-10 Biochemical toxicology and pharmacology
- ** P11GM-12675-10 0053 Biochemical toxicology and pharmacology - Hepatotoxicity of various agents in fetus, newborn and adult animals (rats, mice)
- M P11GM-15477-08 Drug metabolism and biochemical pharmacology
- ** P11GM-15477-08 0010 Drug metabolism and biochemical pharmacology - Diphenhydantoin-C14 in fetal and maternal tissues (mice)
- ** P11GM-15477-08 0011 Drug metabolism and biochemical pharmacology - Diphenhydantoin in the human
- ** P11GM-15477-08 0012 Drug metabolism and biochemical pharmacology - Drug transfer into the central nervous system and across the placenta (rats)
- ** P11GM-15477-08 0101 Drug metabolism and biochemical pharmacology - Thyroid function of lambs of lithium treated ewes
- P11GM-15477-08 0103 Drug metabolism and biochemical pharmacology - Ketamine-A new dissociative anesthetic agent (rats, human)
- ** P11GM-15477-08 0116 Drug metabolism and biochemical pharmacology - Placental transfer drugs-Pharmacokinetics fetal localization (ewe)
- P11GM-15956-07 0052 Factors affecting the responses to drugs - Placental transfer and fetal urinary excretion of gentamicin (human, goats)
- P11GM-15956-07 0054 Factors affecting the responses to drugs - Placental transfer of methadone (goats)
- ** P01GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
- M P11GM-16216-06 Toxicological problems of drugs (placental transfer, lactation)
- ** P11GM-16216-06 0001 Toxicological problems of drugs (placental transfer, lactation) - Acetylsalicylic acid (human)
- ** P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- ** P11GM-16216-06 0005 Toxicological problems of drugs (placental transfer, lactation) - Uricosuric agents (human)
- ** P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
- ** P11GM-16216-06 0029 Toxicological problems of drugs (placental transfer, lactation) - Developmental testing (human infants)
- ** P11GM-16216-06 0030 Toxicological problems of drugs (placental transfer, lactation) - Meperidine (human infants)
- ** P11GM-16216-06 0031 Toxicological problems of drugs (placental transfer, lactation) - Diazepam (human)
- ** P11GM-16216-06 0033 Toxicological problems of drugs (placental transfer, lactation) - Steroid administration (human)
- ** P11GM-16216-06 0035 Toxicological problems of drugs (placental transfer, lactation) - Benodectin (human)
- ** P11GM-16216-06 0037 Toxicological problems of drugs (placental transfer, lactation) - Intravenous alcohol (human)
- P11GM-16216-06 0043 Toxicological problems of drugs (placental transfer, lactation) - Kinetics of drug metabolism in the neonate (human)
- ** P11GM-16216-06 0052 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Therapeutic agents in common use (human)
- ** P11GM-16216-06 0053 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Active agents other than ethical drugs (human)
- P01GM-19489-03 0017 Study of human genetics - Detection of new marker traits in man
- P01GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
- R01GM-19568-07 Pharmacokinetics and salicylate elimination in children
- ** R01HD-00412-18 Fetal endocrinology and study of diabetes and pregnancy (rats)
- ** R01HD-00462-19 Physiology of the placenta (human)
- ** R01HD-00505-15 Transplacental passage of fetal erythrocytes (human)
- ** R01HD-00727-09 Placental transfer of mineral elements (guinea pigs)
- P01HD-00781-11 0002 Studies on prematurity - Amino acid metabolism (sheep)
- ** P01HD-00781-11 0005 Studies on prematurity - Placental transfer of glucose (sheep)
- P01HD-00781-11 0011 Studies on prematurity - Regulation of uterine and mammary blood flow (sheep)
- ** R01HD-01031-10 Maternofetal barrier and fetal metabolism (humans, primates, sharks)
- ** R01HD-01287-12 Fetal-maternal immunological interactions (mice)
- R01HD-01385-09 Experimental erythroblastosis fetalis (dogs, monkeys, sheep)
- R01HD-01687-09 Pathogenesis of infection in human maldevelopment
- ** R01HD-01860-08 Placental exchange, particularly with O₂ and CO (sheep, piglets, human)
- ** R01HD-01866-09 Physiological study of the placenta (sheep)
- P01HD-02274-08 0004 Mental retardation and child development - Central laboratory for human embryology (and animals)
- ** R01HD-02335-09 0006 Hormonal effects on growth and maturation - Prenatal sex prediction (human)
- ** P01HD-02528-08 0056 Research center in mental retardation - Placental transfer of drugs (human, goats)
- ** R01HD-02798-07 Primata uterine physiology (monkeys)
- R01HD-03148-07 Bilirubin metabolism during the perinatal period (human, guinea pigs)
- ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- ** R01HD-03783-06 0001 Pathogenesis of neonatal physiologic jaundice - Bilirubin synthesis and hepatic transport (monkeys)
- ** R01HD-03807-06 Placental exchange of respiratory gases (human, sheep, rabbits)
- R01HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- R01HD-04072-06 Placental and fetal RNA metabolism (rats)
- R01HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
- ** R01HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
- ** R01HD-04394-03 Regulation of the placental circulation (human, primates, rabbits, sheep)
- R01HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
- ** R01HD-04839-05 0001 Metabolism of drug substrates by human placenta - Analysis of placental cytochrome P-450
- ** R01HD-04839-05 0002 Metabolism of drug substrates by human placenta - Substrate specificity of placental drug metabolizing systems
- ** R01HD-04839-05 0003 Metabolism of drug substrates by human placenta - Biotransformation of polycyclic aromatic hydrocarbons in placenta
- R01HD-04839-05 0004 Metabolism of drug substrates by human placenta - N-hydroxylation and N-oxidation reactions (rats, monkeys)
- ** R01HD-05111-04 Production and excretion of urea in prenatal life (sheep)
- ** P01HD-05342-04 0010 Mental retardation and brain development - Influence of increased maternal amino acid blood levels on fetal lambs
- R01HD-05362-04 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- ** R01HD-05387-04 Comparative study on the feto-placental unit (sheep)
- P01HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
- R01HD-05828-03 Role of immunity in congenital disease (sheep)
- ** R01HD-06007-03 0001 Metabolism of myoinositol during development (rats) - The origin of fetal blood myoinositol (rats)
- R01HD-06009-03 Passive narcotic addiction in the human newborn
- ** P01HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)
- ** R01HD-06333-02 Cross-flow exchange in the mammalian placenta (sheep, monkeys)
- ** R01HD-06410-03 Placental transport and perinatal disorders (sheep, cows, guinea pigs)
- ** R01HD-06415-03 Cytology of placental function (human, mammals)
- R01HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
- ** R01HD-06734-03 Functional cytology of placenta and fetal membranes (human, rodents)
- P01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- R01HD-07087-02 Glucagon physiology in fetus, newborn and child (and mammals)
- ** P01HD-07110-02 0021 Biomedical center for population research - Transplacental transfer of drugs, nutrients and metabolites (monkeys, rodents)
- R01HD-07197-02 Steroid dynamics, (human, mammals)
- R01HD-07419-02 Bone development and calcium metabolism in fetal rats
- ** R01HD-07562-01 Placental mechanisms of amino acid transfer (human)
- ** R01HD-07752-01 Cell membrane receptors for maternofetal transfer of IgG (rabbits)
- R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
- ** R01HD-08124-01 Blood substitute and circulation (sheep)
- R01HD-08182-05 Virus effects on the fetal nervous system (mice, swine, guinea pigs)
- R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)
- ** R01HD-08595-01 Feto-maternal metabolism of unsaturated fatty acids (human, rabbits, rodents)
- R01HD-08708-01 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- ** P01HL-06285-14 0132 Cardiovascular-respiratory physiology and biochemistry - Umbilical-placental circulatory responses (lambs)
- ** P01HL-06285-14 0134 Cardiovascular-respiratory physiology and biochemistry - Placental transfer in growth retarded fetuses (lambs)
- ** P01HL-06285-14 0135 Cardiovascular-respiratory physiology and biochemistry - Beta-adrenergic agents and fetal cardiovascular dynamics (lambs)
- R01HL-06481-12 Lipid metabolism (human, rats)
- R01HL-10933-09 Fat metabolism and experimental atherosclerosis (rabbits, rats)
- R01HL-13444-04 Prenatal hemodynamics (sheep)
- ** R01HL-13634-05 Renal hypertension in pregnancy (sheep)
- ** P17HL-14230-04 0040 Lipids, atherosclerosis and thrombosis - Placental transfer of cholesterol-R-C14 in the human fetus
- R01HL-14479-06 Immunochemical aspects of normal and diseased lung (human, dogs, swine)
- R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
- ** P01HL-16851-01 0004 Human red cell membrane in health and disease - Red cell morphology and rheology in pregnancy (human, monkeys)
- ** R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
- P01NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
- R01NS-08909-04 Regional CNS uptake of amino acids (mice)
- ** R01NS-10901-01 Fetal infection with western encephalitis virus (human)
- P01NS-11766-01 0008 Clinical research center for neuromuscular disease - Myoneural function in full term and premature infants
- M01NS-22321-03 Analyses of ancillary studies-perinatal project
- M01RR-00034-14 0036 General clinical research center - Effect of hypotensive agents on toxemia of pregnancy (human)
- M01RR-00053-13 0052 Clinical research center - Radioimmunoassay of 15 alpha-hydroxyprogesterone in pregnancy plasma (human)
- M01RR-00125-11 0134 General clinical research center-adult-child - Regulation of alanine metabolism in man
- M01RR-00125-11 0147 General clinical research center-adult-child - Intrauterine fetal transfusion for erythroblastosis fetalis
- M01RR-00210-10 0009 General clinical research center-Maternal-child - Glycosaminoglycans composition of human placenta
- M01RR-00210-10 0018 General clinical research center-Maternal-child - Infusion insulin and growth hormone responses to arginine
- ** M01RR-00210-10 0027 General clinical research center-Maternal-child - Human fetal insulin at term gestation-Placental transfer of insulin
- ** M01RR-00210-10 0038 General clinical research center-Maternal-child - Protein absorption in maternal and fetal nutrition
- P06RR-00421-13 Primate research program resource
- M01RR-00425-06 0078 General clinical research center - Metabolism of DHEA by fetal placental unit (human)
- ** M01RR-00626-02 0073 General clinical research center - Effect of maternal propranolol on newborn (human)
- PREGNANCY CIRCULATORY DISORDERS**
SEE ALSO PREGNANCY TOXEMIAS AND HYPERTENSION
- ** R01HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
- ** R01HD-08124-01 Blood substitute and circulation (sheep)
- PREGNANCY CIRCULATORY DISORDERS, FETOMATERNAL TRANSFUSION**
SEE ALSO BLOOD GROUP INCOMPATIBILITY PERINATAL
SEE ALSO PREGNANCY CIRCULATION, PLACENTAL TRANSFER
- ** R01AI-10678-03 Immunobiology of tissue transplantation and pregnancy (rodents, rabbits)
- M01NS-22321-03 Analyses of ancillary studies-perinatal project
- ** M01RR-00042-14 0016 General clinical research center - Fetal transfusion for erythroblastosis fetalis (human)
- ** M01RR-00125-11 0147 General clinical research center-adult-child - Intrauterine fetal transfusion for erythroblastosis fetalis
- PREGNANCY COMPLICATIONS**
CARDIOVASCULAR
SEE PREGNANCY CIRCULATORY DISORDERS
- PREGNANCY COMPLICATIONS INFECTIOUS**
SEE ALSO CONGENITAL INFECTIONS
SEE ALSO VIRUSES, HERPESVIRUSES, EQUINE RHINOPNEUMONITIS VIRUS
- ** P01HD-00781-11 0012 Studies on prematurity - Beta-lipoproteins and hematologic changes in pregnancy and newborn (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01HD-00781-11 0017 Studies on prematurity - Clinical studies in pregnancy (human)
 ** N01NS-32315-01 Infections in pregnancy (human)
 ** M01RR-00076-12 0057 General clinical research center - Epidemiology of mycoplasma during pregnancy (human)

PREGNANCY DISORDERS

- SEE ALSO METABOLIC DISORDERS (INBORN), DIABETES, PREGNANCY IN DIABETES
 SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
 SEE ALSO PREGNANCY, PLACENTAL NEOPLASMS
 SEE ALSO PREGNANCY LOSS
 SEE ALSO PREGNANCY TOXEMIAS AND HYPERTENSION
 R07AI-10049-15 0004 International center for medical research - Anemia and bleeding disorders in West Pakistan (human)
 R01AI-12240-01 Biosynthesis and structure of acute phase protein (human, rabbits, rats)
 R01AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
 R01AM-12432-06 Human chromium nutrition and deficiency
 R01AM-12763-05 Insulin release in diabetes (human, cattle)
 R01CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
 P01CA-12707-03 0002 Cancer epidemiology program grant - Cervix cancer (human)
 ** P02CA-15145-01 0004 Cancer center support grant - Immunologic approach to trophoblastic disease
 ** P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
 P02CA-15145-01 0011 Cancer center support grant - Chemotherapy of choriocarcinoma and invasive mole (human)
 P02CA-15145-01 0013 Cancer center support grant - Education in trophoblastic diseases
 P02CA-15145-01 0029 Cancer center support grant - Immunologic approach to trophoblastic disease (human)
 N01CN-45122-00 Incidence and natural history of genital tract anomalies and cancer
 ** P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
 ** P01GM-19100-03 0009 Genetics research center - Pregnancy in sickle cell disease
 P01GM-21054-01 0008 Human genetics center - New genetic syndromes
 N01HB-33019-01 Sickle cell and hemolytic disease cooperative study group
 R01HD-00505-15 Transplacental passage of fetal erythrocytes (human)
 ** P01HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
 ** P01HD-03693-06 0001 Pathogenesis of chronic infections - Pathogenesis of pyelonephritis (human, rats)
 ** R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
 ** P01HD-04612-06 0010 Mental retardation research center - Obstetrical problems relating to fetal jeopardy
 ** P01HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
 ** R01HD-05736-04 Significance of pregnancy-associated plasma proteins (human, rodents)
 P01HD-05894-04 0014 Genetic childhood diseases and aging - IgA absence, anti-IgA antibody and foeto-maternal interaction (human)
 ** R01HD-06982-01 Functional age changes in female reproductive organs
 R01HD-07045-02 Prostaglandin metabolism in human placenta
 P01HD-07110-02 0013 Biomedical center for population research - Hormone protein interaction (human)
 ** P01HD-07256-03 0002 Child health and development studies - Analysis of sequential pregnancies (human)
 P01HD-07256-03 0003 Child health and development studies - Cesarean section and respiratory problems of the infant (human)
 P01HD-07256-03 0004 Child health and development studies - Placental weight and anemia during pregnancy (human)
 P01HD-07256-03 0008 Child health and development studies - Congenital anomalies (human)
 ** R01HD-08966-01 0003 Early diagnostic studies of aberrant development - Prenatal identification of study patients
 ** R01HD-08968-01 Definitions and mechanism of hyperlipemia in pregnancy (human, rats)
 N01HD-32766-02 National amniocentesis registry
 ** P01HL-06285-14 0171 Cardiovascular-respiratory physiology and biochemistry - Serial measurement of cardiovascular function during pregnancy (human)
 P17HL-14141-04 0002 SCOR for atherosclerosis in childhood - Intrauterine environment of proband group (human)
 P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)

- ** N01NS-80004-12 Research in pregnancy factors and resultant child outcome
 ** N01NS-80006-10 Research in pregnancy factors and resultant child outcome
 ** N01NS-80007-10 Perinatal research project
 ** N01NS-80009-12 Perinatal research project
 ** N01NS-80010-08 Perinatal research project
 ** N01NS-80011-11 Perinatal research project
 ** N01NS-80012-13 Perinatal research project
 ** N01NS-80013-08 Perinatal research project
 ** N01NS-80014-08 Perinatal research project
 ** N01NS-80017-12 Pregnancy factors and resultant child outcome
 ** M01RR-00035-14 0086 General clinical research centers - Control on insulin and growth hormone in pregnancy-arginine infusion (human)
 ** M01RR-00051-13 0112 General clinical research center - Lupus erythematosus in pregnancy (human)
 ** M01RR-00063-12 0023 General clinical research center - Virilization during pregnancy (human)
 ** M01RR-00076-12 0077 General clinical research center - Range of plasma lipids in pathological pregnancies (human)
 M01RR-00210-10 0009 General clinical research center - Maternal-child - Glycosaminoglycans composition of human placenta
 ** M01RR-00210-10 0021 General clinical research center - Maternal-child - Fetal and maternal monitoring of abnormal gestation
 M01RR-00210-10 0022 General clinical research center - Maternal-child - Constant rate glucose infusion into pregnant mother during labor and delivery
 ** M01RR-00210-10 0023 General clinical research center - Maternal-child - Metabolic studies in obese pregnant patients
 ** M01RR-00210-10 0024 General clinical research center - Maternal-child - Folate abnormalities in pregnancy
 M01RR-00210-10 0027 General clinical research center - Maternal-child - Human fetal insulin at term gestation-Placental transfer of insulin
 M01RR-00210-10 0029 General clinical research center - Maternal-child - Amniotic fluid studies
 ** M01RR-00210-10 0042 General clinical research center - Maternal-child - Placental pathology-Phase contrast microscopy and fetal monitoring in labor
 M01RR-00210-10 0046 General clinical research center - Maternal-child - Fetuses of high risk pregnancies (rabbits)
 ** P07RR-00273-09 0010 Mass spectrometric facility for biomedical research - Uterine and placental blood flow in pregnancy (rabbits, human)
 ** M01RR-00425-06 0078 General clinical research center - Metabolism of DHEA by fetal placental unit (human)
 ** M01RR-00533-06 0020 General clinical research center, adult - Absorption and metabolism of antibiotics
 ** M01RR-00722-02 0029 General Clinical Research Center - Obstetrical and gynecological complications in heritable disorders (human)

PREGNANCY DISORDERS, EMBRYO-FETAL DISORDERS (GENERAL)

SEE ALSO CONGENITAL ABNORMALITIES

- R01ES-06704-01 Carcinogenicity of environmental mycotoxins (rats)
 ** R01ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
 P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
 ** P01GM-19527-03 0001 Human genetics - Genetic defects affecting development (mice, sheep)
 P01GM-20130-01 0005 Clinical genetics research center - Amniotic fluid studies (human)
 ** R01HD-00630-11 New experimental methods of teratogenesis (rats, monkeys)
 ** R01HD-04050-04 Effect of asphyxia on fetal lung fluid (lambs)
 P01HD-04147-06 0010 Research in mental retardation - Neuropathology (human, rats, monkeys)
 ** R01HD-05394-04 Amino acids and prenatal brain development (rats)
 ** P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
 ** R01HD-05944-03 Developmental effects of mutant genes (mice)
 R01HD-06311-03 Lung lecithin synthesis-normal and asphyxial (sheep, rats)
 ** R01HD-06410-03 Placental transport and perinatal disorders (sheep, cows, guinea pigs)
 ** P01HD-06915-02 0004 Maternal malnutrition and fetal development - Glucose homeostasis in fetal malnutrition (human)
 R01HD-07377-01 Mechanisms of fetal cerebral vascular control (sheep)
 R01HD-08124-01 Blood substitute and circulation (sheep)
 R01HD-08847-01 Immunological aspects of fetal and infantile death (human)
 ** P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)
 ** R01HL-15782-01 Mucopolysaccharide metabolism in cardiac anomalies (rats)
 P01MH-11668-09 0063 Psychosocial factors in health and disease - Outcome of induced abortion of wanted pregnancy
 ** R01NS-05096-11 0014 New amino acid disorders in cerebral disease - Diagnosis of metabolic and transport disorders of the fetus (human)
PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
 SEE ALSO CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)
 P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
 ** P01DE-02672-05 0024 Craniofacial anomalies - Biostatometrics (children)
 N01ES-22084-06 Long range toxicologic effect of specific fungicides (rats, mice)
 P01GM-19100-03 0009 Genetics research center - Pregnancy in sickle cell disease
 ** P01HD-00781-11 0008 Studies on prematurity - Prenatal studies on intrauterine growth retardation (human)
 P01HD-00781-11 0014 Studies on prematurity - Placental growth and clearance (sheep)
 P01HD-02147-08 0001 Extruterine growth and development - Cellular surfaces (human embryo)
 ** R01HD-02355-08 Genetic-nutritional interactions in development (mice)
 R01HD-04946-03 Adipose tissue metabolism in abnormal newborns (human)
 ** R01HD-05443-03 Circulatory and cellular studies in runted fetal sheep
 ** P01HD-05615-04 0001 Developmental biology in mental retardation - Prenatal nutrition in deficient brain development (rats, rabbits, human)
 ** P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
 ** P01HD-05961-03 0004 Human and mammalian development - Primary cellular growth deficiency in humans
 ** R01HD-06465-02 Intestinal absorption and fetal growth retardation (human, rats)
 R01HD-06611-03 Therapeutic usage of drugs in infants and children
 ** R01HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
 ** R01HD-06637-03 Maternal anemia, placental circulation, and fetal growth (sheep)
 ** R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
 R01HD-06779-03 Enzymic differentiation in the fetus and newborn (rats, human)
 ** P01HL-06285-14 0133 Cardiovascular-respiratory physiology and biochemistry - Decreased uterine blood flow and fetal development (lambs)
 ** P01HL-06285-14 0134 Cardiovascular-respiratory physiology and biochemistry - Placental transfer in growth retarded fetuses (lambs)
 P01HL-06285-14 0135 Cardiovascular-respiratory physiology and biochemistry - Beta-adrenergic agents and fetal cardiovascular dynamics (lambs)
 P01HL-13979-04 0014 Cardio-pulmonary-renal program - A cellular lining layer of alveoli (rabbits, rats)
 R23HL-17147-01 Radiographic study of the developing lung (dogs, humans)
 ** M01RR-00052-13 0030 General clinical research center for children - Endocrinology-Growth hormone
 ** M01RR-00210-10 0042 General clinical research center - Maternal-child - Placental pathology-Phase contrast microscopy and fetal monitoring in labor
 ** M01RR-00722-02 0036 General Clinical Research Center - Growth hormone for intra-uterine and other types of growth retardation (human)

PREGNANCY DISORDERS, LABOR COMPLICATIONS

- ** P01GM-15991-06 0086 Anesthesia research center - Regional anesthesia in managing abnormal uterine contraction (human)
 P01HD-07256-03 0002 Child health and development studies - Analysis of sequential pregnancies (human)
 P01HD-07256-03 0003 Child health and development studies - Cesarean section and respiratory problems of the infant (human)
 ** M01RR-00047-14 0010 General clinical research center - Treatment of threatened premature labor with ethanol (human)
 ** M01RR-00076-12 0053 General clinical research center - Bacteriuria in precipitating pyelonephritis and premature delivery (human)
 ** M01RR-00210-10 0043 General clinical research center - Maternal-child - Comparison of dinoprost and oxytocin in labor induction

PREGNANCY DISORDERS, PLACENTAL DISORDERS (GENERAL)

- ** P01HD-07256-03 0004 Child health and development studies - Placental weight and anemia during pregnancy (human)

PREGNANCY FLUIDS

- R01CA-12336-04 Embryonal tumors (mice, calves, human) (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Ordered significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01GM-09069-12 0002** Research in anesthesiology - Renal function in fetal lambs
NO1HB-12404-05 Prenatal diagnosis of inherited hematologic diseases (human)
RO1HD-01031-10 Maternofetal barrier and fetal metabolism (humans, primates, sharks)
**** P01HD-04583-06 0009** Mental retardation research center - Prenatal diagnosis (human)
**** RO1HD-06226-02** Uterine proteins in mammalian embryogenesis (rabbits, human)
**** RO1HD-06234-03** Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
P01HD-06274-03 0006 Reproductive biology - Oviductal and uterine environment (rabbits, monkeys)
**** RO1HD-06573-03** Oviduct factors responsible for blastocyst development (rabbits)
P01HD-06645-03 0003 Center for population research - Hormones, implantation, pregnancy (monkeys)
**** P01HD-06645-03 0031** Center for population research - Preimplantation embryo, maternal fluids (mice)
P17HL-14201-04 0006 Pulmonary disease research center - Development of lung stability (human, animals)
P07RR-00679-02 0003 Biotechnology resource in electronprobe analysis - Ions and early mammalian development
- PREGNANCY FLUIDS, ALLANTOIC FLUID**
RO1HD-06313-03 Convection and diffusion in the vertebrate embryo (chick embryo, rats)
- PREGNANCY FLUIDS, AMNIOTIC FLUID**
RO1AI-10894-03 Hepatitis, HAA and anti-HAA in mothers and infants
P01AM-08445-10 0016 Biology of skin of man and other primates - Ontogenic differentiation of skin
RO1AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
RO1AM-17535-01 High resolution separations of glycosaminoglycans
RO1CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
NO1CP-43250-00 Supply of human prolactin
P01GM-15253-08 0004 Genetics in medicine - Gene action in man - Blood, serum and enzyme population
**** P01GM-17702-05 0003** Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)
**** P01GM-17702-05 0005** Human biochemical genetics - Prenatal diagnostic facility
P01GM-17702-05 0009 Human biochemical genetics - Metabolic defect in cystinosis
P01GM-17702-05 0013 Human biochemical genetics - Central tissue culture laboratory
P01GM-18252-04 0003 Automation of ultramicroanalyses of macromolecules - Medical-clinical (human, mice)
P01GM-18252-04 0008 Automation of ultramicroanalyses of macromolecules - Medical and biochemical genetics (human)
P01GM-19100-03 0026 Genetics research center - Insulin binding and response to the hormone in cell cultures (human)
P01GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
P01GM-19443-03 0025 Problems in clinical genetics - Role of surfactant in the respiratory distress syndrome of the newborn (human)
P01GM-19443-03 0028 Problems in clinical genetics - Library of cell lines
P01GM-19489-03 0028 Study of human genetics - The role of nerve growth factor in familial dysautonomia
P01GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
**** P01GM-20832-01 0003** Genetic research project - Polymorphic gene markers in amniotic fluid (human)
RO1HD-00652-11 Plasma and cell protein metabolism (human)
P01HD-00781-11 0008 Studies on prematurity - Prenatal studies on intrauterine growth retardation (human)
**** P01HD-01799-09 0013** Mental retardation research center - Developmental alterations of amniotic fluid (human)
P01HD-01799-09 0030 Mental retardation research center - Developmental pulmonary function and diseases (human)
**** P01HD-01799-09 0034** Mental retardation research center - Human cytogenetics and biochemical genetics
P01HD-02147-08 0001 Extruterine growth and development - Cellular surfaces (human embryo)
P01HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
P01HD-02274-08 0148 Mental retardation and child development - Genetic aspects of the leukodystrophies
RO1HD-02335-09 0006 Hormonal effects on growth and maturation - Prenatal sex production (human)
RO1HD-02335-09 0007 Hormonal effects on growth and maturation - Diagnosis of congenital virilizing adrenal hyperplasia (human)
RO1HD-02552-08 Cellular aspect of human genetics and immunology
P01HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)
**** P01HD-03015-08 0035** Program for developmental biology - Respiratory distress syndrome indicators in amniotic fluid (human)
- RO1HD-04380-04** Biochemical development of surface activity of lung (human, mammals)
**** P01HD-05797-04 0002** Population and reproductive biology - Genadal steroid synthesis (human)
**** P01HD-05797-04 0035** Population and reproductive biology - Reproductive genetics (human, rabbits, mice)
**** P01HD-05996-03 0002** Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
**** P01HD-05996-03 0003** Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
**** P01HD-05996-03 0004** Prevention of mental retardation through prenatal diagnosis - Intermediary carbohydrate metabolism in fetal cells (human)
RO1HD-06313-03 Convection and diffusion in the vertebrate embryo (chick embryo, rats)
P01HD-06321-02 0005 Genetic aspects of human fetal development - Characterization of the immune system in the developing fetus (human)
P01HD-06321-02 0007 Genetic aspects of human fetal development - Antenatal detection of disorders of porphyrin metabolism (human)
**** P01HD-06645-03 0012** Center for population research - Effects of estrogens on the prostate and seminal vesicles (rats)
**** P01HD-06915-02 0003** Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
**** RO1HD-06929-02** Fetal health and amniotic fluid HCS and prolactin (monkeys)
P01HD-07110-02 0028 Biomedical center for population research - Biogenic amines (human, baboons, monkeys)
RO1HD-07483-01 Functional development of the gustatory sense (sheep)
RO1HD-07843-01 Placental and pituitary protein and polypeptide hormones (human, rabbit)
RO1HD-07966-01 Physiological role of prostaglandins
P01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
**** P17HL-14179-04 0012** Center for the study of lung disease - Tracheal and amniotic fluid and their relation to neonatal lung function (human)
P17HL-14201-04 0007 Pulmonary disease research center - Metabolism and regulation of pulmonary surface active material (human, animals)
P17HL-14214-04 0020 Neonatal lung center - Epidermal growth factor in blood (lambs, human)
RO1HL-15023-03 Prenatal diagnosis of sickle cell anemia homozygotes (human, chicken)
P18HL-15166-03 0002 Comprehensive sickle cell disease center - Prenatal diagnosis (human)
R23HL-17130-01 Plasma membranes in cystic fibrosis (tissue culture)
RO1NS-05096-11 0013 New amino acid disorders in cerebral disease - Diagnosis of isovaleric acidemia in cell culture and amniotic fluid (human)
**** RO1NS-05096-11 0014** New amino acid disorders in cerebral disease - Diagnosis of metabolic and transport disorders of the fetus (human)
MO1RR-00056-13 0046 General Clinical Research Center - Plasma neurophysin study during vasopressin-related events (human)
**** MO1RR-00210-10 0029** General clinical research center - Maternal-child - Amniotic fluid studies
R24RR-00612-05 Resource-related research-computer and chemistry
- PREGNANCY IMMUNOLOGY**
SEE ALSO BLOOD GROUP INCOMPATIBILITY PERINATAL
SEE ALSO PREGNANCY CIRCULATORY DISORDERS, FETOMATERNAL TRANSFUSION
RO1AI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
**** RO1AI-10678-03** Immunobiology of tissue transplantation and pregnancy (rodents, rabbits)
RO1AM-08764-10 Blood grouping studies in primates
RO1CA-05660-14 The maternal-fetal allograft relation (mice)
RO1CA-10097-07 Cellular antigens of normal and malignant rat tissues
PO1CA-10815-06 0005 Consolidated basic cancer research program - Maternal-fetal histocompatibility antigen (mammals)
**** RO1CA-16882-04** Induction and characterization of enhancing antibody (mice)
P01GM-15422-07 0004 Program project in genetics - Immunogenetics and immunoproduction (cattle)
RO1GM-17367-05 Automated cell sorting - Clinical and biological uses (human, mammals nonhuman)
**** P01GM-20832-01 0002** Genetic research project - Fetal tissue from maternal blood stream in prenatal diagnosis (human, animals)
P01GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
RO1HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)
**** RO1HD-00630-11** New experimental methods of teratogenesis (rats, monkeys)
**** P01HD-00781-11 0013** Studies on prematurity - Placental cell surface antigens (sheep)
P01HD-00781-11 0015 Studies on prematurity - Role of HCG in immunosuppression (sheep)
- ** RO1HD-01287-12** Fetal-maternal immunological interactions (mice)
RO1HD-01385-09 Experimental erythroblastosis fetalis (dogs, monkeys, sheep)
RO1HD-01687-09 Pathogenesis of infection in human maldevelopment
**** RO1HD-01805-09** Host-parasite relationships in pregnancy (human, rodents)
P01HD-02147-08 0001 Extruterine growth and development - Cellular surfaces (human embryo)
**** P01HD-03693-06 0001** Pathogenesis of chronic infections - Pathogenesis of pyelonephritis (human, rats)
**** RO1HD-03939-06** Human fetal-placental-maternal interaction
RO1HD-03972-16 ABO erythroblastosis (human)
RO1HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
**** P01HD-05077-05 0010** Reproductive biochemistry and medicine - Antibodies to steroids (rats, monkeys)
P01HD-05894-04 0012 Genetic childhood diseases and aging - Hyaline membrane disease (human)
**** P01HD-05894-04 0014** Genetic childhood diseases and aging - IgA absence, anti-IgA antibody and fetal-maternal interaction (human)
RO1HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
P01HD-06321-02 0005 Genetic aspects of human fetal development - Characterization of the immune system in the developing fetus (human)
**** P01HD-06645-03 0007** Center for population research - Steroidal regulation of ovulation (rats)
**** P01HD-06645-03 0009** Center for population research - Role of gonadotropins in pregnancy and in spermatogenesis (monkeys, sheep)
RO1HD-06734-03 Functional cytology of placenta and fetal membranes (human, rodents)
**** RO1HD-06754-02** A fetal-maternal model system (deermouse)
RO1HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
**** RO1HD-08746-01** Maternal response to the 'fetal allograft' (mice, monkeys)
RO1HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
- PREGNANCY IN DIABETES**
SEE METABOLIC DISORDERS (NBORN), DIABETES, PREGNANCY IN DIABETES
- PREGNANCY LOSS**
SEE ALSO PREGNANCY DISORDERS
SEE ALSO PREGNANCY TOXEMIAS AND HYPERTENSION
**** PO1CA-08748-09 6304** Research program of Sloan-Kettering Institute - Radiation induced maternal dysfunction as a factor in embryonic mortality (rats)
P11GM-15956-07 0036 Factors affecting the responses to drugs - Placental transfer of lithium and effects on the newborn (goats)
P01GM-19100-03 0003 Genetics research center - Chromosome abnormalities (human)
P01GM-19443-03 0009 Problems in clinical genetics - Cytogenetics
RO1HD-00505-15 Transplacental passage of fetal erythrocytes (human)
**** RO1HD-00630-11** New experimental methods of teratogenesis (rats, monkeys)
**** RO1HD-00827-11** Effect of RNA and DNA on cephalic tortia (mice)
**** RO1HD-02014-09** Effect of maternal age on reproductive capacity (mice)
RO1HD-04602-05 Goals and conditions of population control (human)
P01HD-05671-03 0040 Center for population research - Factors governing pregnancy maintenance and termination (monkeys, rabbits)
P01HD-06645-03 0003 Center for population research - Hormones, implantation, pregnancy (monkeys)
**** RO1HD-07252-01** Genetic and endocrine control of prenatal loss (mice)
RO1HD-08184-10 Virus-cell interaction replication and differentiation (mice)
NO1HD-12455-07 Research on intrapartum fetal monitoring
NO1HD-42845-00 Evaluation of the effects of contraceptives (human)
NO1HD-42850-01 Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human)
RO1HL-06943-12 Vascular permeability (rodents)
**** P16HS-00472-06 0006** Health services research center - Perinatal mortality and occupation of father
RO1MR-08604-11 0001 Psychobiology of maternal behavior - Development during pregnancy and parturition (rats)
**** P01MR-11668-09 0063** Psychosocial factors in health and disease - Outcome of induced abortion of wanted pregnancy
MO1RR-00034-14 0036 General clinical research center - Effect of hypotensive agents on toxemia of pregnancy (human)
**** MO1RR-00633-02 0052** General clinical research center - Pregnancy wastage and maternal folate metabolism (human)
NO1RR-42141-00 Ecology and breeding of sub-human primates

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PREGNANCY LOSS, ABORTION

- P01GM-12527-10 0006 Anesthetic and related drugs - Biostatistics (human)
 P11GM-15477-08 0015 Drug metabolism and biochemical pharmacology - Transplacental passage of ketamine and fetal distribution (human)
 P01GM-19513-03 0018 Human genetics - Legal genetics
 N01HR-12401-05 Prenatal diagnosis of inherited blood diseases
 R01HD-00630-11 New experimental methods of teratogenesis (rats, monkeys)
 R01HD-00836-11 Laboratory for the study of human embryos and fetuses
 R01HD-03002-07 Fertility and family planning in Taiwan (human)
 R01HD-04355-09 Chromosome studies of mammalian embryos (cats, dogs, cattle, horses, pigs)
 R01HD-05255-03 Pre-adult fertility and family formation (young women)
 ** P01HD-05671-03 0014 Center for population research - Evaluation of contraceptives and epidemiological aspects of abortion (human)
 P01HD-05798-01 0004 Center for population research award - Epidemiology studies
 ** R01HD-05853-03 Pregnancy, birth control and abortion (human)
 ** R01HD-05952-03 Follow-up of abortion or motherhood in adolescence
 R01HD-06264-03 Sociopsychological aspects of premarital conception
 R01HD-06281-03 Change of attitudes toward population policy issues
 R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US
 R01HD-07290-02 Control of timing and character of labor (human, animals)
 ** R01HD-07739-01 Decision making on unplanned pregnancies
 R01HD-07806-01 Marital intensity-A clinical and cross-cultural study
 N01HD-12299-10 Study cervical cytology in contraceptive users
 N01HD-12450-05 National amniocentesis registry
 N01HD-12451-05 National amniocentesis registry
 N01HD-12452-04 National amniocentesis registry
 N01HD-22747-04 National amniocentesis registry
 N01HD-22748-03 National amniocentesis registry
 N01HD-32766-02 National amniocentesis registry
 ** P01HS-00451-07 Economics of health research program
 ** P01MH-11668-09 0016 Psychosocial factors in health and disease - Elective abortions
 ** P01MR-11668-09 0032 Psychosocial factors in health and disease - Life crisis involving hysterectomy or abortion
 ** P01MR-11668-09 0085 Psychosocial factors in health and disease - Sequelae of induced abortion
 ** P01MR-11668-09 0100 Psychosocial factors in health and disease - Attitudes of physicians regarding abortion and genetic risk
 ** P01MH-13002-06 0023 Clinical and laboratory studies of affective disorder - Unwanted pregnancy, abortion and affective disorders
 ** M01RR-00046-14 0029 General clinical research center - Prostaglandins for abortifacient activity in early human pregnancy
 M01RR-00046-14 0034 General clinical research center - Intravascular clotting following intraamniotic infusion of saline (human)
 ** M01RR-00053-13 0016 Clinical research center - Prostaglandins and estrogens (human)

PREGNANCY LOSS, ABORTION HABITUAL

- P01GM-19100-03 0031 Genetics research center - Fertility in women with 45X/46XX chromosome mosaicism

PREGNANCY LOSS, ABORTION INDUCED

- R01HD-03003-14 Physiology of the female tract (ferret, rodents, rabbits)
 P01HD-05969-03 0008 Events that control fertilization - Effects of prostaglandins on systemic and regional blood flow (rabbits, monkeys)
 ** R01HD-06830-03 Effect of therapeutic abortion on unmarried women
 ** R01HD-07118-01 Life change events in seeking elective abortion
 ** R01HD-07214-02 Long-term complications of induced abortions
 ** R01HD-07268-01 Contraception, abortion and couple decision-making (Israel)
 R01HD-08163-01 Systems model of human fertility
 ** R01HD-08514-01 A sociomedical study of induced abortion (New York City)

PREGNANCY LOSS, ABORTION INDUCED, ABORTIFACIENTS

- M01RR-00096-14 0056 Clinical research center - Effects of prostaglandins on thyroid function (human)
 ** M01RR-00318-08 0065 General clinical research center - Response of ovary and trophoblast to PG2 in early pregnancy
 ** M01RR-00425-06 0079 General clinical research center - Prostaglandins for abortifacient activity in early human pregnancy

PREGNANCY LOSS, FETAL DEATH

- P01CA-15655-01 0009 Cancer center support grant - Genetic studies in cancer (human, animals)
 R01DA-00141-03 Cannabinoids during pregnancy and interaction with drugs (mice, rats)
 R01ES-00560-03 Perinatal pesticide toxicity (mice, rats)
 R01ES-00782-03 Pesticide-induced change during the perinatal period (mice, rats)
 R01GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
 R01HD-00630-11 New experimental methods of teratogenesis (rats, monkeys)
 ** P01HD-00781-11 0010 Studies on prematurity - Effect of fetal death on uterine blood flow and metabolism (sheep)
 R01HD-04275-04 Genetic studies with record linkage (human)
 R01HD-07214-02 Long-term complications of induced abortions
 R01HD-08130-01 Teratogenicity of anesthetics (rats)
 ** R01HD-08847-01 Immunological aspects of fetal and infantile death (human)

PREGNANCY MEMBRANES

- SEE ALSO PREGNANCY, PLACENTA
 R01AM-14272-05 Electron probe investigation of cell calcium (chick embryo)
 P01CA-08748-09 6917 Research program of Sloan-Kettering Institute - Chromosomal changes in amnion and chorion cells (human)
 ** M01CP-81010-10 Human trophoblast cell line
 R01HD-00630-11 New experimental methods of teratogenesis (rats, monkeys)
 P01HD-03015-08 0010 Program for developmental biology - Reproductive biology of oocytes (mosquitoes, chickens)
 R01HD-04526-05 Inborn errors of metabolism (human)
 ** R01HD-04702-04 Membrane changes during oogenesis and fertilization (chick embryo, mice)
 R01HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
 R01HD-05942-03 Uterine and placental control of luteal function (rabbits)
 ** R01HD-06313-03 Convection and diffusion in the vertebrate embryo (chick embryo, rats)
 ** P01HD-08672-01 An organ communication system for initiation of labor (human, rabbits)

PREGNANCY MEMBRANES, AMNION

- R01CA-14183-02 Isolation and properties of a sarcoma receptor (chickens, chick embryos)
 P01ES-00597-04 0008 Food-borne environmental toxicants - Evaluation of environmental compounds (salmonella)
 R01HD-05361-10 Analysis of chromosome karyograms (human, mice)
 P01HD-06321-02 0007 Genetic aspects of human fetal development - Antenatal detection of disorders of porphyrin metabolism (human)

PREGNANCY MEMBRANES, CHORION

- ** R01CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
 ** R01CA-12109-04 0005 Trophoblastic disease - Albert Mathieu chorionepithelioma registry
 ** R01CA-12109-04 0008 Trophoblastic disease - HLA markers in chorionepithelioma
 R01HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
 R01HD-04701-05 Developmental biology (moths)
 R01HD-04702-04 Membrane changes during oogenesis and fertilization (chick embryo, mice)
 R01HD-05659-04 0002 Fetal growth and development - Role of placental hormones in regulation of uterine blood flow (swine)
 M01HD-12133-07 Growth of human trophoblast cells in culture

PREGNANCY MEMBRANES, TROPHOBLAST

- P01CA-10815-06 0003 Consolidated basic cancer research program - Define specific major and minor histocompatibility antigens (rats)
 P01CA-10815-06 0005 Consolidated basic cancer research program - Maternal-fetal histocompatibility antigen (mammals)
 ** R01CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
 ** R01CA-13372-03 Prevention and treatment of trophoblastic disease
 ** R01CA-13533-03 Ectopic placental proteins in cancer (human)
 ** R01CA-14232-01 Mechanism of actinomycin D-Enhanced hCG secretion (tissue culture)
 ** P02CA-15145-01 0004 Cancer center support grant - Immunologic approach to trophoblastic disease
 ** P02CA-15145-01 0009 Cancer center support grant - Nuclear proteins and transcription of chromatin from trophoblast (hamsters)
 ** P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
 ** P02CA-15145-01 0013 Cancer center support grant - Education in trophoblastic diseases
 ** P02CA-15145-01 0026 Cancer center support grant - Nuclear proteins and gene expression in trophoblasts

- ** P02CA-15145-01 0029 Cancer center support grant - Immunologic approach to trophoblastic disease (human)
 R01HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
 R01HD-04839-05 0008 Metabolism of drug substrates by human placenta - Cellular localization of placental ANH (human)
 ** R01HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
 R01HD-05659-04 0003 Fetal growth and development - Growth indexes (sheep)
 ** R01HD-06415-03 Cytology of placental function (human, mammals)
 R01HD-07257-03 Maturation and interaction of mammalian gametes (rabbits, rodents)
 ** R01HD-08557-01 Amino acid transport during early development (mice)
 ** M01HD-12133-07 Growth of human trophoblast cells in culture
 M01RR-00318-08 0065 General clinical research center - Response of ovary and trophoblast to PG2 in early pregnancy
 M01RR-00749-02 0043 General clinical research center - Response of ovary and trophoblast to prostaglandin in early pregnancy (human)

PREGNANCY TOXEMIAS AND HYPERTENSION

- SEE ALSO PREGNANCY LOSS
 P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
 P01GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
 ** R01HD-03939-06 Human fetoplacental-maternal interaction
 R01HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
 R01HD-04072-06 Placental and fetal RNA metabolism (rats)
 R01HD-08360-01 Placental function in normal and abnormal pregnancy (human)
 ** R01HD-08966-01 0003 Early diagnostic studies of aberrant development - Prenatal identification of study patients
 N01HD-12455-07 Research on intrapartum fetal monitoring
 R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
 R01HL-14121-04 Effects of female sex hormones on the circulation (rats, rabbits)
 P17H-14141-04 0002 SCOR for atherosclerosis in childhood - Intrauterine environment of proband group (human)
 ** P17H-14159-04 0003 Specialized center of research in hypertension - Renin system, salt and water metabolism in toxemic pregnancy (human)
 P17H-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
 R01HL-15947-01 Prostaglandins and hypertension (human, rats, dogs, monkeys)
 ** M01RR-00034-14 0036 General clinical research center - Effect of hypotensive agents on toxemia of pregnancy (human)
 ** M01RR-00125-11 0190 General clinical research center - adult-child - Role of prostaglandins in toxemia of pregnancy
 ** M01RR-00425-06 0055 General clinical research center - Postpartum toxemia (human)
 ** M01RR-00626-02 0005 General clinical research center - Pre-eclampsia studies (human)
 ** M01RR-00633-02 0048 General clinical research center - Dehydroisandrosterone clearance in pre-eclampsia toxemia (human)
 ** M01RR-00633-02 0049 General clinical research center - Renin-angiotensin system in pre-eclampsia (human)
 ** M01RR-00645-03 0009 Clinical research center - Hypertension with gonadal hormone usage or pregnancy (human)
 ** M01RR-00645-03 0060 Clinical research center - Effects of oral contraceptives and hypertension in toxemic population (human)
 ** M01RR-00750-02 0002 General clinical research center - Renin-angiotensin-aldosterone system and sodium handling in toxemic pregnancy

PREGNANCY TOXEMIAS AND HYPERTENSION, ECLAMPSIA

- R07AI-10050-14 0003 International center for medical research - Infectious diseases and epidemiology (bacteria, fungi, human)
 R01AM-17196-02 Clinicopathologic and other studies on renal disease (human, rats)
 ** R01HD-07667-01 Follow-up of eclamptic and of rheumatic cardiac women
 R01HD-08360-01 Placental function in normal and abnormal pregnancy (human)
 R01HD-08692-01 Dynamics of estrogen biosynthesis (human)
 ** R01HD-08956-01 Follow-up of eclamptic and of rheumatic cardiac women
 M01RR-00039-14 0011 General clinical research center - Humoral factor which inhibits sodium transport (toads, rats, dogs)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PREGNANE SERIES

- SEE ALSO ADRENAL CORTEX HORMONES
 SEE ALSO ADRENAL CORTEX HORMONES ANALOGS
 SEE ALSO ESTRADIENE SERIES, ETHINYLESTRADIOL
 SEE ALSO ESTRADIENE SERIES, MESTRANOL
 SEE ALSO PROGESTERONE
 SEE ALSO PROGESTERONE ANALOGS
 SEE ALSO PROGESTINS
 SEE ALSO TOXICOLOGY, ANIMAL POISONS, BATRACHOTOXIN
 R01CA-10819-06 Synthesis and study of antitumor and endocrine agents (rats)
 R01HD-00893-11 Hormonal control of behavior (rodents)
 P01HD-07640-01 0001 Program project in reproductive biology - Mechanism of action, progesterone in the mammalian uterus-Uteroglobin (rabbit)
 M01RR-00031-14 0072 General clinical research center - Abnormalities of androgen metabolism (human)

PREGNANE SERIES, PREGNANEDIOL

- P18HL-15170-03 0017 Comprehensive sickle cell disease center - Control of hemoglobin synthesis and modification of hemoglobin phenotype (human)

PREGNANE SERIES, PREGNANOLONE

- R01HD-05362-04 Ontogenetic studies of drug metabolism (human, rats, monkeys)
 R01HD-08708-01 Ontogenetic studies of drug metabolism (human, rats, monkeys)
 M01HD-32746-03 Compounds for inhibition of spermatogenesis
 P18HL-15170-03 0017 Comprehensive sickle cell disease center - Control of hemoglobin synthesis and modification of hemoglobin phenotype (human)

PREGNANE SERIES, PREGNENOLONE

- ** R01AM-00110-23 Chemical methods in steroid metabolism (rats, cattle)
 ** R01AM-03419-15 Synthesis of labeled adrenal hormones (cattle)
 ** R01AM-04899-14 Action of adrenocorticotropin (rats)
 R01AM-13361-07 Adrenal metabolism possibly related to ACTH action (rats)
 ** R01AM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
 R01CA-08349-09 Potential tumor or organ imaging agents
 R01CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
 R01CA-13291-02 Steroid transfer in normal and malignant endocrine cells (rats, monkeys)
 R01CA-14638-02 An adrenal tumor-Cytochrome P.450 and steroidogenesis (mice)
 ** R01CA-15423-02 Polar corticoids in guinea pigs and cancer (also human, rats, mice)
 ** R01HD-02378-09 Hormone metabolism in reproduction (human, rabbits)
 P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophyseal-gonadal axis (rats, human)
 R01HD-04064-06 Role of steroid sulfates in gonadal tissue (human, sheep, rats)
 R01HD-04173-10 Androgen metabolism (human)
 R01HD-04392-04 Effects of aging on steroid metabolism in man
 R01HD-04839-05 0007 Metabolism of drug substrates by human placenta - Reciprocity between AHH and cholesterol side-chain oxidase (human)
 R01HD-05001-05 Adrenocortical function in abnormal newborn infants (human)
 ** P01HD-05077-05 0014 Reproductive biochemistry and medicine - Steroidal intermediates in conversion of cholesterol to progesterone (cattle)
 ** P01HD-05077-05 0015 Reproductive biochemistry and medicine - Sulfated intermediates in formation of steroid hormones
 ** P01HD-05077-05 0016 Reproductive biochemistry and medicine - Steroid hormones biochemistry (human, mammals, non-human)
 ** P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
 ** R01HD-06316-03 Gonado-pituitary axis in the rat
 R01HD-06799-01 Corticosteroids in the fetoplacental unit (human)
 P01HD-08338-01 0008 Control of male reproduction - Biosynthesis and 5-alpha reduction of androgens in marmoset testes
 R01HL-12758-13 Regulation of aldosterone secretion (human, rats)
 P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
 R01MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
 ** M01RR-00210-10 0001 General clinical research center - Maternal-child - Long infusion of H3 pregnenolone (human)
 ** M01RR-00210-10 0004 General clinical research center - Maternal-child - Pregnenolone sulfate production (human)
 M01RR-00210-10 0028 General clinical research center - Maternal-child - Progesterone metabolism in early pregnancy

- M01RR-00210-10 0037 General clinical research center - Maternal-child - Progesterone metabolism during menstrual cycle - Influence of estrogen treatment
 ** P07RR-00273-09 0011 Mass spectrometric facility for biomedical research - Placental hormone biosynthesis

PREGNANE SERIES, PREGN-4-ENE-3,11,20-TRIONE, 6ALPHA-METHYL-RI0CA-03227-18

Southeastern cancer study group

PREGNANE SERIES SALPHA

- R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)
 R01MH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone

PREGNANE SERIES SALPHA, SALPHA-PREGNANE-3BETA,17ALPHA,21-TRIOI-20-ONE

- R01HD-02335-09 0007 Hormonal effects on growth and maturation - Diagnosis of congenital virilizing adrenal hyperplasia (human)

PREGNANEDIOL

- SEE PREGNANE SERIES, PREGNANEDIOL

PREGNANE-SALPHA,20ALPHA-DIOL

- SEE PREGNANE SERIES, PREGNANEDIOL

PREGNANOLONE

- SEE PREGNANE SERIES, PREGNANOLONE

SALPHA-PREGNANE-3BETA,17ALPHA-21-TRIOI-20-ONE

- SEE PREGNANE SERIES SALPHA, SALPHA-PREGNANE-3BETA, 17ALPHA,21-TRIOI-20-ONE

PREGNENOLONE

- SEE PREGNANE SERIES, PREGNENOLONE

PREGN-4-ENE-3,11,20-TRIONE, 6ALPHA-METHYL-

- SEE PREGNANE SERIES, PREGN-4-ENE-3,11,20-TRIONE, 6ALPHA-METHYL-

PREJUDICE

- SEE PSYCHOLOGY, ATTITUDES, PREJUDICE

PREMATURE AGING

- SEE AGING, PROGERIA

PREMATURE INFANT

- SEE INFANT ANIMALS PREMATURE
 SEE INFANT HUMAN PREMATURE

PREMEDICAL EDUCATION

- SEE EDUCATION, HEALTH OCCUPATIONS, PREMEDICAL

PREMEDICAL STUDENTS

- SEE EDUCATION, HEALTH OCCUPATIONS, PREMEDICAL

PRENATAL CARE

- SEE HEALTH CARE SERVICES, MATERNAL AND INFANT CARE

PRENATAL INFLUENCE

- SEE PREGNANCY, PRENATAL STRESS

PRENATAL STRESS

- SEE PREGNANCY, PRENATAL STRESS

PRENEOPLASTIC CONDITIONS

- SEE NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS

PREOPERATIVE

- SEE SURGERY, PREOPERATIVE

PREOPTIC AREA

- SEE BRAIN, HYPOTHALAMUS, PREOPTIC AREA

PRERETIREMENT EDUCATION

- SEE EDUCATION, RETIREMENT AND PRERETIREMENT

PRESBYCUSIS

- SEE EAR DISORDERS, HEARING DISORDERS, PRESBYCUSIS

PRESCHOOL

- SEE CHILDREN, PRESCHOOL

PRESENILE DEMENTIA

- SEE BRAIN DISORDERS, CEREBRAL ATROPHY DIFFUSE, PRESENILE DEMENTIA

PRESERVATION

- SEE BLOOD PRESERVATION
 SEE DRUGS PRESERVATION AND STORAGE
 SEE EYE BANKS
 SEE FERTILITY, SEMEN PRESERVATION-ARTIFICIAL FERTILIZATION
 SEE FOOD SCIENCES AND TECHNOLOGY, FOOD PRESERVATION
 SEE MICROORGANISMS PRESERVATION
 SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS, BANKS AND REGISTRIES
 SEE TISSUE PRESERVATION

PRESSORECEPTORS

- SEE SENSE ORGANS, PRESSORECEPTORS

PRESSURE, ATMOSPHERIC

- SEE ENVIRONMENT, ATMOSPHERIC PRESSURE

PRESSURE, BLOOD

- SEE CARDIOVASCULAR FUNCTION, BLOOD PRESSURE

PRESSURE, HYDROSTATIC

- SEE PHYSICAL PROPERTIES, FLUID STATE, HYDROSTATIC PRESSURE

PRESSURE, MECHANICAL

- SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

PRESSURE SORES

- SEE SKIN ULCERS, DECUBITUS ULCER

PRETECTAL REGION

- SEE BRAIN, MESENCEPHALON, PRETECTAL REGION

PREVENTIVE DENTISTRY

- SEE DENTISTRY, PREVENTIVE

PREVENTIVE MEDICINE

- SEE HEALTH, DISEASE PREVENTION

PRIMAQUINE SENSITIVITY

- SEE METABOLIC DISORDERS INBORN, PRIMAQUINE SENSITIVITY

PRIMARY ATYPICAL PNEUMONIA

- SEE RESPIRATORY DISORDERS, PNEUMONIA MYCOPLASMA (PPL0)

PRIMARY LATERAL SCLEROSIS

- SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, MOTOR SYSTEM DISEASE DEGENERATIVE

PRIMATE COLONIES

- SEE MAMMALS, PRIMATE COLONIES

PRIMATE RESEARCH CENTERS ADVISORY COMMITTEE

- ** R01HD-08633-01 Prematurity in primates-Cause, effects, prevention
 P06RR-00163-15 Operation of the Oregon regional primate research center
 P06RR-00164-13 Operation of the Delta regional primate research center
 P06RR-00165-14 Support of the Yerkes Regional Primate Research Center
 P06RR-00166-14 Regional primate research center at University of Washington
 P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 P06RR-00168-13 New England regional primates research center
 ** P06RR-00169-13 Operation of the National Center for Primate Biology
 ** P06RR-00180-10 A resource for the study of squirrel monkeys
 ** P06RR-00361-08 Reference center for study of primate viruses
 ** R01RR-00419-07 Laboratory primate newsletter
 ** R01RR-00739-02 Development of nonhuman primate embryo transfer
 ** R01RR-00910-01 Primate population studies

PRIMATES

- SEE MAMMALS, PRIMATES

PRIMIDONE

- SEE PYRIMIDINES, BARBITURATES, PRIMIDONE

PRIMITIVE MEDICINE

- SEE HEALTH CARE PRACTICE, PRIMITIVE MEDICINE

PRIMITIVE SOCIETIES

- SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE, SIMPLE SOCIETIES

PRISMATIC SPECTACLES

- SEE EYE DISORDERS, OPTICAL AIDS, PRISMATIC SPECTACLES

PRISONS, PRISONERS

- SEE SOCIAL CONTROL, CORRECTIONAL INSTITUTIONS

PROACCELERIN

- SEE BLOOD COAGULATION, FACTOR V

PROADIFEN

- SEE PHENYL-CARBOXYLATES, PROADIFEN

PROBE TUBE MICROPHONE

- SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*

PROBENECID

- SEE SULFONAMIDES, PROBENECID

PROBLEM SOLVING

- SEE PSYCHOLOGY, COGNITION, PROBLEM SOLVING

PROCAINE AMIDE

- SEE PHENYLAMIDES, PROCAINE AMIDE

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PROCAINE HYDROCHLORIDE

SEE P-AMINO BENZOATE, PROCAINE HYDROCHLORIDE

PROCARBAZINE

SEE AZO COMPOUNDS, HYDRAZINES, PROCARBAZINE

PROCARBOXYPEPTIDASE

SEE PROTEASES AND PEPTIDASES, PROCARBOXYPEPTIDASE

PROCLORPERAZINE

SEE PHENOTHIAZINES, PROCLORPERAZINE

PROCOLLAGEN

SEE ALBUMINOIDS, COLLAGEN, PROCOLLAGEN

PROCONVERTIN

SEE BLOOD COAGULATION, FACTOR VII

PROCYCLIDINE

SEE PYRROLIDINES, PYROCYCLIDINE

PRODINE

SEE PIPERIDINES, PRODINE

PRODUCT DESIGN

SEE INJURY (HAZARD) PREVENTION, USER PROTECTION (AND PRODUCT DESIGN)

PROESTERASES

SEE ESTERASES, PROESTERASES

PROFESSIONS, HEALTH SCIENCES

SEE HEALTH SCIENCES PROFESSIONS (GENERAL)

PROFIBRINOLYSIN

SEE BLOOD COAGULATION, PLASMINOGEN

PROGERIA

SEE AGING, PROGERIA

PROGERIA, ADULT

SEE AGING, PROGERIA, WERNER'S SYNDROME

PROGESTERONE

SEE ALSO PROGESTINS

- R01A1-09077-05 Reticuloendothelial function in health and infection (human)
- R01A1-12381-01 0015 Center for study of sexually transmitted diseases - Chlamydia as sexually transmitted agents (guinea pigs)
- P01AM-00002-28 0013 Metabolic and hereditary disorders - Chromosomal disorders (human)
- P01AM-00002-28 0014 Metabolic and hereditary disorders - Steroid studies
- ** R01AM-00110-23 Chemical methods in steroid metabolism (rats, cattle)
- R01AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
- R01AM-04784-14 Control of secretion of hypothalamic hormones
- R01AM-06018-12 Gastrointestinal metabolic functions (human, dogs, cats)
- R01AM-06369-13 Steroid-protein interactions (human, mammals)
- R01AM-06958-11 Coordination of visceral smooth muscle activity (cats, rabbits)
- ** R01AM-00125-11 Extrahepatic metabolism of steroids (human, rats)
- ** R01AM-10081-09 Mode of action and synthesis of progestational hormones (human)
- R01AM-10894-08 0003 Genetic metabolic diseases of infancy and childhood - Developmental and other regulatory aspects of galactose pathways (rats)
- R01AM-11376-13 Plasma hormone-binding proteins and estrogen action (mammals)
- R01AM-11754-07 Metabolites and conjugates in bile and urine (human, animals)
- R01AM-12129-07 0005 Collagenases and collagen remodeling - Uterine collagenase (rats)
- R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
- P01AM-15515-03 0001 Psoriasis biology, psoriasis and lesion control - Mitotic behavior in epidermal system (human, lizards, mice)
- P01AM-15515-03 0003 Psoriasis biology, psoriasis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
- R01AM-15809-03 Human adrenal steroids with natriuretic properties
- R01AM-16854-01 Steroid biosynthesis, transport and mechanism of action
- R01AM-17307-01 Hormone production in cultured endocrine cells (rats)
- R01AM-18130-01 Insulin and human growth hormone - Secretion and metabolic actions
- R01CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
- P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
- P01CA-08748-09 5929 Research program of Sloan-Kettering Institute - Effect of steroid hormones on DNA synthesis of endometrial cancers
- R01CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)

- R01CA-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
- P01CA-12376-03 0013 Environmental carcinogenesis - Estrogens and mammary cancer (human)
- ** R01CA-12448-04 Effect of progesterone on prostate size and morphology (human)
- R01CA-12519-03 Identity and radioassay of prolactin in breast cancer (human)
- ** R01CA-12903-03 Human uterus receptors and responses to steroids
- P02CA-12924-03 0030 Tufts cancer research center - Somatic cell genetics (tissue culture)
- ** R01CA-13427-02 Hormonal mechanisms endometrial carcinoma (human, rabbits)
- P02CA-13696-02 0008 Clinical cancer research center - Endocrine studies in breast cancer (human)
- R01CA-13881-02 Radiation in vitro-mammary cell survival - Neoplasia (rats)
- R10CA-14571-02 Surgical adjuvant renal cell carcinoma (human)
- P01CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- R01CA-14821-02 Steroid hormone control of tumor cell growth in vitro (hamsters)
- P02CA-15145-01 0031 Cancer center support grant - Estrogen action on DMBA-induced mammary tumor in rats
- R01CA-15574-01 Hypothalamic-pituitary function and mammary neoplasia
- R01CA-15648-01 Steroid dynamics in human, endometrial cancer (human)
- R01CA-15796-01 Steroid hormonal effects on renal carcinoma (hamsters)
- P01CA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinoma (human, hamsters)
- R26CA-16375-01 Role of bile acids in etiology of large bowel cancer (mammals)
- N01CB-23859-02 The role of prolactin in breast cancer (human, rats)
- N01CB-44010-00 Compilation of anti-uterotropic, progestational & anti-progestational assays
- ** N01CP-33358-01 Hormonal factors on induction of breast tumors (monkeys, rats, human)
- ** P13DE-02668-08 0002 Dental research center - Growth mechanisms (rats)
- R23DE-03866-01 Effects of sex steroids on gingival glycosaminoglycans
- R01ES-00412-06 0015 Mechanisms of insecticide resistance - Effects of glucocorticoids on insecticide-degrading and target enzymes (fish)
- P01GM-15422-07 0002 Program project in genetics - Reproductive physiology (sheep, swine, cattle)
- P11GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monamines (human)
- P01GM-15571-06 0069 Anesthesia research-Program project - Chronic toxicity of general anesthetics in human hepatic cells
- R01GM-19227-03 Determination of steroids in blood (human)
- ** P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- R01GM-21045-02 The structure of human transcortin
- R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)
- R01HD-00739-09 Functioning of corpora lutea (swine)
- R01HD-00778-10 Role of the brain in male and female reproduction (rats)
- R01HD-00893-11 Hormonal control of behavior (rodents)
- R01HD-01026-10 0001 Cytology of mammalian differentiation - Uterine-placental relationship (bandicoots, rats, opossums)
- R01HD-02014-09 Effect of maternal age on reproductive capacity (mice)
- N01HD-02149-04 Control of ovulation and corpus luteum function (rodents)
- ** N01HD-02310-05 Regulate changes in corpus luteum physiology in the rat
- ** N01HD-02319-04 Screening for inhibitors of progesterone synthesis
- R01HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
- R01HD-02371-08 Hormone control of the mammary gland (human, animals)
- ** R01HD-02378-09 Hormone metabolism in reproduction (human, rabbits)
- P01HD-02528-08 0078 Research center in mental retardation - Corpus luteum function in treated infertility patients
- P01HD-02528-08 0080 Research center in mental retardation - Pregnancy stress and fetal growth (rats)
- ** R01HD-02715-06 Fetal and neonatal adrenocortical function in monkeys
- R01HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
- ** P01HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)

- P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophyseal-gonadal axis (rats, human)
- P01HD-03803-06 0002 Control mechanism in reproduction and development - Estrogen control of transcription and translation (rats)
- P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
- R01HD-04164-05 Aging of mammary epithelium (mice)
- R01HD-04173-10 Androgen metabolism (human)
- R01HD-04182-06 Adrenergic pharmacology of ovum transport (rabbits)
- R01HD-04312-06 Physiologic control of prolactin secretion (rats)
- R01HD-04358-15 Neural and hormonal regulation of lactation (rats)
- ** R01HD-04392-04 Effects of aging on steroid metabolism in man
- R01HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
- R01HD-04522-05 Biopsychology of reproduction (rats)
- P01HD-05077-05 0001 Reproductive biochemistry and medicine - Development of new analytical methods
- P01HD-05077-05 0006 Reproductive biochemistry and medicine - Negative feedback of steroids upon FSH and LH secretion (human, monkeys)
- ** P01HD-05077-05 0007 Reproductive biochemistry and medicine - Positive feedback of estrogens and progesterone on LH (human, monkeys)
- P01HD-05077-05 0010 Reproductive biochemistry and medicine - Antibodies to steroids (rats, monkeys)
- ** P01HD-05077-05 0012 Reproductive biochemistry and medicine - Receptor proteins binding estradiol and progesterone (sheep)
- R01HD-05093-12 Ion transport during development of Rana pipiens eggs
- ** R01HD-05291-04 Hormonal regulation of an enzyme system in the uterus (rats)
- ** P01HD-05318-04 0002 Reproductive endocrinology - Studies in rats
- ** P01HD-05318-04 0003 Reproductive endocrinology - Studies in humans
- R01HD-05387-04 Comparative study on the fetoplacental unit (sheep)
- R01HD-05414-03 Steroid biochemistry of the hypothalamic-ovarian axis (rats, human)
- P01HD-05671-03 0035 Center for population research - Dopa, methyl dopa and CBS 145 on pregnancy, progesterone and prolactin (rats)
- ** R01HD-05680-03 Steroid binding proteins and hormonal mechanisms (rabbits, human)
- R01HD-05724-03 Carotenoid metabolism of the corpus luteum (cattle)
- ** P01HD-05797-04 0001 Population and reproductive biology - Steroid hormones and target tissue receptors (rats, guinea pigs, human)
- ** P01HD-05797-04 0003 Population and reproductive biology - Inducer metabolism (chickens, rodents, human)
- ** P01HD-05797-04 0006 Population and reproductive biology - Steroid hormone receptor binding sites from target cell chromatin (chickens)
- ** P01HD-05797-04 0007 Population and reproductive biology - Uterine progesterone receptors (rats, mice)
- ** P01HD-05797-04 0010 Population and reproductive biology - Interaction of hormone receptors with target cell nuclei (chickens, mammals)
- ** P01HD-05797-04 0011 Population and reproductive biology - Characterization of progesterone receptor proteins in uteri of mammals
- ** P01HD-05797-04 0012 Population and reproductive biology - Receptor binding assays for new antifertility agents (chickens, mammals)
- ** P01HD-05797-04 0014 Population and reproductive biology - Steric demand of the progesterone receptor from chick oviduct
- P01HD-05797-04 0018 Population and reproductive biology - Alterations of nucleolar and extranucleolar RNA polymerase (rats, chickens)
- P01HD-05797-04 0028 Population and reproductive biology - Immunocytochemistry of chromatin (chickens, rats)
- P01HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
- R01HD-05914-02 Blastocyst expansion (rabbits)
- R01HD-05935-03 Anesthetic and myometrial contractility (human, rats)
- R01HD-05942-03 Uterine and placental control of luteal function (rabbits)
- P01HD-05969-03 0004 Events that control fertilization - Hormonal regulation of oviduct epithelium (monkeys, hamsters, cats)
- ** P01HD-05969-03 0005 Events that control fertilization - Sex steroids, follicular growth and ovulation (monkey, guinea pig, goat, rabbit)
- P01HD-05969-03 0009 Events that control fertilization - Regulation of ovum transport in oviduct (rabbits, monkeys)
- P01HD-05969-03 0011 Events that control fertilization - Selection of sexual partners by female pigtail macaques (contd)

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- PO1HD-05969-03 0012 Events that control fertilization - Dependence of sexual behavior on gonadal steroids (Lemur catta)
- RO1HD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)
- ** RO1HD-06057-02 Progesterone metabolism in human fetoplacental unit (also rats)
- RO1HD-06104-03 Follicular maturation (human)
- RO1HD-06226-02 Uterine proteins in mammalian embryogenesis (rabbits, human)
- RO1HD-06233-03 Control of selective ovarian follicular growth (lizards)
- PO1HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
- PO1HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)
- PO1HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)
- PO1HD-06274-03 0006 Reproductive biology - Oviductal and uterine environment (rabbits, monkeys)
- ** RO1HD-06406-03 Regulation of uterine blood flow (monkeys)
- RO1HD-06415-03 Cytology of placental function (human, mammals)
- RO1HD-06419-03 Hormonal control of lactogenesis (rats)
- RO1HD-06467-03 Role of fetoplacental unit in maintenance of pregnancy (rats, monkeys)
- ** RO1HD-06478-03 In vitro studies of progestational steroids (human, mammals)
- ** RO1HD-06556-03 Hormonal control of delayed implantation (skunks)
- RO1HD-06572-02 The prediction and elicitation of maternal behavior (mice)
- ** RO1HD-06579-02 Local control of progesterone levels in pregnancy (human, animal)
- PO1HD-06645-03 0010 Center for population research - Control of the estrus cycle (guinea pigs)
- ** PO1HD-06645-03 0026 Center for population research - Effects of progesterone and its metabolites on estrus (rats)
- PO1HD-06645-03 0028 Center for population research - Uterus physiology, smooth muscle of male and female reproductive tract
- PO1HD-06645-03 0034 Center for population research - Endometrial determinants in nidation (rats, guinea pigs, human)
- ** PO1HD-06645-03 0037 Center for population research - Effect of steroids on RNA and protein synthesis (mice, monkeys, human)
- RO1HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- RO1HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)
- RO1HD-06720-02 Fetal hypophyseal-gonadal relationships
- RO1HD-06726-03 Effects of estrogen on human uterine tissue in vitro
- RO1HD-06760-03 Neural control of sexual behavior in the rat
- RO1HD-06773-03 Tissue collagenase and its control by steroids (rats)
- ** RO1HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
- RO1HD-06799-01 Corticosteroids in the fetoplacental unit (human)
- RO1HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
- RO1HD-06872-02 Endocrine regulation of maternal behavior (rats)
- ** RO1HD-06883-01 Control of steroid hormone biosynthesis in pregnancy (human)
- ** RO1HD-06896-01 Estrogen-stimulated progesterone synthesis in vitro (rabbits)
- RO1HD-06948-02 Endocrine correlates with prostaglandin F2A (cattle)
- RO1HD-06982-01 Functional age changes in female reproductive organs
- ** PO1HD-07110-02 0014 Biomedical center for population research - Endocrinologic aspects of male infertility (human, mammals nonhuman)
- PO1HD-07110-02 0022 Biomedical center for population research - Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman)
- PO1HD-07110-02 0023 Biomedical center for population research - Smooth muscle (human, rats)
- RO1HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- RO1HD-07194-01 Cellular mechanisms in ovulation and spawning (frogs, starfish)
- RO1HD-07197-02 Steroid dynamics, (human, mammals)
- RO1HD-07242-01 Prolactin, progesterone and broodiness (turkeys)
- RO1HD-07252-01 Genetic and endocrine control of prenatal loss (mice)
- RO1HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
- ** RO1HD-07290-02 Control of timing and character of labor (human, animals)
- RO1HD-07377-01 Mechanisms of fetal cerebral vascular control (sheep)
- PO1HD-07495-02 0001 Center for population research, studies in reproductive biology - Estrogen regulation of reproductive tissue growth and differentiation (chickens)
- ** PO1HD-07495-02 0007 Center for population research, studies in reproductive biology - Mechanism of progesterone regulation of a specific gene function (chickens)
- ** PO1HD-07495-02 0011 Center for population research, studies in reproductive biology - Progesterone in relation to receptor molecule (rats, chickens, human)
- ** PO1HD-07495-02 0026 Center for population research, studies in reproductive biology - Characterization and regulation of ovum-uterus interaction (rats, mice)
- ** PO1HD-07495-02 0027 Center for population research, studies in reproductive biology - Progesterone interactions with brain neurons
- RO1HD-07499-01 Neuroendocrine control of LH release in the hamster
- RO1HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
- RO1HD-07602-02 Neural influence on hypophyseal-gonadal function (monkeys, rats)
- ** PO1HD-07640-01 0001 Program project in reproductive biology - Mechanism of action, progesterone in the mammalian uterus-Uteroglobin (rabbit)
- ** PO1HD-07640-01 0003 Program project in reproductive biology - Progesterone in the primate brain-Gonadotropin secretion
- ** PO1HD-07640-01 0004 Program project in reproductive biology - Regulation of estrogen and progesterone biosynthesis (human)
- PO1HD-07640-01 0005 Program project in reproductive biology - Changes in control of the corpus luteum induced by implantation (rats)
- PO1HD-07640-01 0006 Program project in reproductive biology - Relation of ovarian blood flow to steroid secretion (dogs, monkeys)
- RO1HD-07658-01 Steroid hormones and fetal development (primates)
- RO1HD-07689-02 Functional luteolysis in primates-Role of estrogen
- RO1HD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
- RO1HD-07693-01 Hormonal interactions in uterus (cattle)
- RO1HD-07762-01 Hormonal regulation of luteal function and regression (rats)
- RO1HD-07857-03 Sex hormone receptor components and the cell genome (chicks, human, guinea pigs)
- RO1HD-07915-01 Development and parturition of headless porcine fetuses
- ** RO1HD-07923-02 0002 Steroid hormone metabolism - Progesterone binding to myometrium (human, mammals)
- RO1HD-07923-02 0003 Steroid hormone metabolism - Biosynthesis in ovarian corpus luteum (monkeys, human)
- RO1HD-08188-02 Reproductive hormones-Biology and molecular actions (chickens)
- RO1HD-08218-02 Sex hormones-Controlled Mullerian duct differentiation (chick embryo)
- RO1HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- RO1HD-08281-01 Neuroendocrine regulation of reproductive behavior (rats)
- PO1HD-08338-01 0008 Control of male reproduction - Biosynthesis and 5-alpha reduction of androgens in marmoset testes
- PO1HD-08338-01 0012 Control of male reproduction - The gonado pituitary feedback
- RO1HD-08496-01 Metabolic changes in preimplantation mouse eggs
- PO1HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
- ** NO1HD-12228-06 Assay of progesterone (sheep, guinea pigs)
- NO1HD-12230-02 Intrauterine microcapsules in prolonged drug release form (rabbits, monkeys)
- NO1HD-22710-06 Progesterone-binding proteins to detect antagonists and agonists (rats, rabbits)
- NO1HD-22725-04 Contraceptive steroids in beagles
- NO1HD-22752-04 Changes in the luteolytic process in human corpora lutea
- NO1HD-22791-02 Contraceptive steroids and vitamin K
- NO1HD-32729-01 Structure, function and development of oviduct cilia (human)
- ** NO1HD-42837-00 Estrogen and progesterone protein receptors in uterine cervix (primates)
- ** NO1HD-42851-00 Progesterone-binding protein for detection of antagonists and agonists
- ** NO1HD-42860-00 Synthesis of analogs of norethindrone and progesterone
- NO1HD-92134-09 Endocrine regulation of the corpus luteum (sheep)
- NO1HD-92209-06 Isolation of a bovine uterine luteolytic factor
- RO1HL-03941-15 Uterine blood flow and changes in pregnancy (sheep)
- RO1HL-05457-14 Biological oxidations (human, mammals, microorganisms)
- PO1HL-06285-14 0185 Cardiovascular-respiratory physiology and biochemistry - Catecholamine receptors (rabbits)
- ** RO1HL-12557-06 Effects of steroids and pregnancy on arteries and veins (guinea pigs)
- RO1HL-13767-03 Steroid hormone effects on fibrinogen synthesis (chicks)
- P17HL-14159-04 0003 Specialized center of research in hypertension - Renin system, salt and water metabolism in tonemic pregnancy (human)
- P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
- P17HL-14230-04 0075 Lipids, atherosclerosis and thrombosis - Vascular thrombosis and arteriosclerosis (rats)
- RO1HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)
- RO1HL-16531-01 0005 Clinical cardiology-Emphasis hypertension - Hypertension induced by oral contraceptives
- RO1MH-08604-11 0001 Psychobiology of maternal behavior - Development during pregnancy and parturition (rats)
- RO1MH-08604-11 0005 Psychobiology of maternal behavior - Hormonal changes in maternal behavior after hysterectomy (rats)
- RO1MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
- RO1MH-19506-03 0009 Hormones, the brain and primate behavior - Male repellent pheromones
- ** RO1MH-21044-04 Reproductive endocrinology of depression
- RO1MH-21312-03 0011 Endocrinological determinants of behavior - Effect of testosterone of infant female (monkeys, guinea pigs)
- RO1MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
- ** RO1MH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone
- RO1MH-22640-02 0003 Regulation of primate behavior - Hormones and sexual behavior in bonnet and pigtail macaques
- RO1MH-23645-02 0006 Behavior-hormone changes in adolescence - Biochemical techniques (chimpanzee)
- RO3MH-25191-01 Neural loci of hormone action in behavior (mice)
- RO3MH-25507-01 Pheromones and behavior (mice)
- RO1NS-08677-06 Light-Neural control endocrine function (rats, monkeys)
- RO1NS-09914-03 Phylogeny and ontogeny of hormone neurons in brain (animals)
- RO1NS-10027-03 0002 Neuroendocrine and behavioral correlates of aging - Modification by neonatally administered androgen (rats)
- ** RO1NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
- RO1NS-10973-02 Anatomy and physiology of cerebellar pathways (animals)
- RO1NS-11507-01 Central nervous regeneration-Hormonal influences (cats, rats)
- MO1RR-00051-13 0082 General clinical research center - Estriol's effect on carbohydrate metabolism, coagulation, hypertension (human)
- ** MO1RR-00055-13 0002 General clinical research center - Steroid hormones in electrolyte regulation in pregnancy
- ** MO1RR-00055-13 0111 General clinical research center - Influence of progesterone on volume homeostasis in man
- MO1RR-00059-13 0140 General clinical research center - Measurement of LH, FSH, estradiol and progesterone in menstrual disorders (human)
- ** MO1RR-00210-10 0003 General clinical research center-Maternal-child - Progesterone production in the reproductive cycle (human)
- MO1RR-00210-10 0004 General clinical research center-Maternal-child - Pregnenolone sulfate production (human)
- ** MO1RR-00210-10 0028 General clinical research center-Maternal-child - Progesterone metabolism in early pregnancy
- ** MO1RR-00210-10 0037 General clinical research center-Maternal-child - Progesterone metabolism during menstrual cycle-Influence of estrogen treatment
- ** MO1RR-00210-10 0040 General clinical research center-Maternal-child - Progesterone metabolism in reproduction
- ** PO7RR-00273-09 0011 Mass spectrometric facility for biomedical research - Placental hormone biosynthesis
- MO1RR-00425-06 0037 General clinical research center - Corpus luteum function in early pregnancy (human)
- ** MO1RR-00425-06 0080 General clinical research center - Effect of estradiol and progesterone on basal body and CNS temperatures (human)
- MO1RR-00533-06 0009 General clinical research center, adult - Small dose human growth hormone perfusion studies in forearm
- MO1RR-00645-03 0035 Clinical research center - Prolactin (human)
- MO1RR-00722-02 0037 General Clinical Research Center - Factors that affect the metabolic clearance rate of various hormones (human)

(cont.)

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 † Grant has subprojects describing specific research aspects.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MO1RR-00750-02 0002 General clinical research center - Renin-angiotensin-aldosterone system and sodium handling in toxemic pregnancy
- MO1RR-00827-01 0023 General clinical research center - Mechanisms of gonadotropin control and action (human)
- MO1RR-00827-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
- PROGESTERONE, 16ALPHA-HYDROXYPROGESTERONE**
- RO1AM-15809-03 Human adrenal steroids with natriuretic properties
- PROGESTERONE, 17ALPHA-HYDROXYPROGESTERONE**
- ** RO1AM-13710-05 Metabolism and control of testosterone in man
- RO1AM-15809-03 Human adrenal steroids with natriuretic properties
- PO1GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
- ** RO1HD-02335-09 0007 Hormonal effects on growth and maturation - Diagnosis of congenital virilizing adrenal hyperplasia (human)
- ** PO1HD-05318-04 0003 Reproductive endocrinology - Studies in humans
- RO1HD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
- RO1HL-05457-14 Biological oxidations (human, mammals, microorganisms)
- ** MO1RR-00865-01 0019 General clinical research center - Serum 17 alpha-hydroxyprogesterone in diagnosis of adrenal hyperplasia (human)
- PROGESTERONE ANALOGS**
- ** RO1AM-15708-03 Binding, biosynthesis and action of steroids (human)
- R10CA-03664-16 Cooperative breast cancer group
- PO1CA-07304-11 0037 Steroid hormone production and metabolism in cancer - Oxidation of testosterone at C-17 (human)
- MO1CB-44010-00 Compilation of anti-uterotropic, progestational & anti-progestational assays
- PO1HD-05797-04 0003 Population and reproductive biology - Inducer metabolism (chickens, rodents, human)
- PO1HD-05797-04 0012 Population and reproductive biology - Receptor binding assays for new antifertility agents (chickens, mammals)
- ** PO1HD-05797-04 0015 Population and reproductive biology - Sulfur analogs of progesterone (chickens)
- ** PO1HD-07495-02 0008 Center for population research, studies in reproductive biology - Organic synthesis of steroidal anti-progestins (chickens)
- ** NO1HD-22714-04 Synthesize steroidal compounds with antifertility activity
- ** NO1HD-22727-04 Metabolism of acetoxyprogesterone (monkeys, dogs)
- PROGESTERONE ANALOGS, CHLORMADINONE**
- SEE ALSO FERTILITY, ANTIFERTILITY DRUGS, CHLORMADINONE-MESTRANOL
- MO1RR-00051-13 0154 General clinical research center - Some metabolites of contraceptive steroids (human, dogs, monkeys)
- PROGESTERONE ANALOGS, CYPROTERONE (ACETATE)**
- RO1MH-24032-01 The hormonal determinants of behavior (rats)
- RO3MH-25191-01 Neural loci of hormone action in behavior (mice)
- MO1RR-00053-13 0073 Clinical research center - Steroid metabolism - Nonspecific illness effects and drug effects (human)
- PROGESTERONE ANALOGS, MEDROXYPROGESTERONE**
- R10CA-07190-12 Eastern cooperative oncology group
- R10CA-10948-06 Eastern cooperative oncology group
- R10CA-11109-06 Eastern cooperative oncology group
- ** PO2CA-11198-06 0001 Cancer research center - Influence of synthetic progestins on canine mammary glands & organ cultures
- ** PO2CA-11198-06 0004 Cancer research center - Biochemical characteristics of neoplasms (rodents, dogs, human)
- R10CA-12443-04 Veterans administration cooperative urological research groups
- R10CA-12476-04 Gynecologic oncology group
- R10CA-15975-01 Gynecologic oncology group
- R10CA-15977-01 Gynecologic Oncology Group
- ** PO1EY-00336-08 0006 CLINICAL STUDENT OF GLAUCOMA - New steroids-Provera (human)
- PO1MH-17565-03 0004 Genetics of the XYY phenomena in man - Endocrine investigations (human)
- ** MO1RR-00068-12 0049 General clinical research center - Kinetics of testosterone in treatment with progestins and estrogens (human)
- ** MO1RR-00318-08 0042 General clinical research center - Effects of depo-provera on adrenal function (human)
- MO1RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
- PROGESTERONE ANALOGS, MEDROXYPROGESTERONE ACETATE**
- RO1AM-12845-04 Studies in androgen metabolism (human, rats)
- RO1CA-16149-01 Role of prolactin in breast and prostate cancer (human)
- ** NO1HD-32705-02 Pharmacopathologic effects of MPA in the beagle bitch
- PO1HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
- ** PO1MH-17565-03 0007 Genetics of the XYY phenomena in man - Psychiatric investigations of XYY patients
- ** MO1RR-00036-14 0057 General clinical research center - Effect of medroxy progesterone acetate in acromegaly (human)
- MO1RR-00051-13 0154 General clinical research center - Some metabolites of contraceptive steroids (human, dogs, monkeys)
- ** MO1RR-00349-08 0038 General clinical research center - Chlorpromazine and medroxyprogesterone acetate (human)
- ** MO1RR-00400-06 0030 General clinical research center - adult - Treatment of acromegaly with medroxyprogesterone acetate (human)
- PROGESTERONE ANALOGS, NORETHINDRONE**
- SEE ALSO FERTILITY, ANTIFERTILITY DRUGS, MESTRANOL-NORETHINDRONE
- P11GM-12675-10 0024 Biochemical toxicology and pharmacology - Enterohepatic circulation of drugs in man-Glutethimide, mestranol, norethindron
- PO1GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
- NO1HD-12297-05 Steroidal oral contraceptives
- NO1HD-22731-03 Interaction of B-vitamins with contraceptive steroids (rats)
- NO1HD-42852-00 Development of an intracervical contraceptive device
- ** NO1HD-42858-00 Radioimmunoassays for norethindrone and ethinyl estradiol (human, primates)
- ** NO1HD-42860-00 Synthesis of analogs of norethindrone and progesterone
- RO1HL-16363-01 Hypolipemic drug study-Ultrastructure and chemistry
- ** MO1RR-00068-12 0007 General clinical research center - Effect of oxandrolone and progesterone analogs on plasma triglyceride (human)
- PROGESTERONE ANALOGS, NORETHYNODREL**
- SEE ALSO FERTILITY, ANTIFERTILITY DRUGS, MESTRANOL-NORETHYNODREL
- ** NO1GM-51057-22 Study on drug metabolism (human, mice, dogs, rabbits)
- RO1HL-14526-02 Oral contraceptives and hypertension (rats)
- PROGESTERONE REDUCTASE**
- SEE OXIDOREDUCTASES, DELTA 5,3BETA-HYDROXYSTEROID DEHYDROGENASE
- PROGESTINS**
- SEE ALSO PROGESTERONE
- R10CA-03359-17 Cooperative breast cancer group
- RO1CA-05191-15 Some endocrine aspects of neoplasia (mice)
- ** PO2CA-08341-09 0031 Clinical pharmacology and cancer chemotherapy - Molecular interaction of estrogens, androgens and progestins (mammals)
- ** RO1CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
- RO1HD-00893-11 Hormonal control of behavior (rodents)
- NO1HD-02142-04 Ultrastructural studies on the oviduct (rabbits, monkeys)
- RO1HD-03159-07 Hypophyseal response to estrogens and progestins (human, monkeys, cattle, rats)
- RO1HD-04683-05 Fetal sexual differentiation (rats)
- ** PO1HD-05671-03 0013 Center for population research - Radioimmunoassay of steroid hormones (rodents, primates)
- PO1HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
- PO1HD-05797-04 0036 Population and reproductive biology - Once a month contraceptive (human)
- RO1HD-05865-03 Interaction of hormones of reproduction in the brain (rats, rabbits)
- PO1HD-05969-03 0009 Events that control fertilization - Regulation of ovum transport in oviduct (rabbits, monkeys)
- RO1HD-06212-03 Ovarian steroid control of muscle of reproductive tract (rats)
- RO1HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)
- RO1HD-06720-02 Fetal hypophyseal-gonadal relationships
- RO1HD-07045-01 Hormones in sexual differentiation and behavior (rats, mice)
- PO1HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)
- RO1HD-08407-01 Reproduction in women whose red cells cont+in hemoglobin S
- NO1HD-12228-06 Assay of progesterone (sheep, guinea pigs)
- NO1HD-22723-03 Pharmacology of ethinyl estrogens in primates and canines compared to man
- NO1HD-22783-03 Effect of oral contraceptive steroids on trace minerals (rats)
- NO1HD-42852-00 Development of an intracervical contraceptive device
- RO1HL-15123-02 Effects of oral contraceptives on the vascular system (human, dogs, rats)
- MO1RR-00034-14 0036 General clinical research center - Effect of hypotensive agents on tosemia of pregnancy (human)
- MO1RR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- MO1RR-00051-13 0081 General clinical research center - Regulation of prolactin secretion (human)
- ** MO1RR-00068-12 0013 General clinical research center - Effects of progestational oral contraceptives on plasma lipids (human)
- MO1RR-00068-12 0049 General clinical research center - Kinetics of testosterone in treatment with progestins and estrogens (human)
- MO1RR-00070-12 0025 General clinical research center - Effect of estrogens and progestogens in hypertension (human)
- MO1RR-00102-11 0009 General clinical research center - Estrogen, progestin and androgen effect on hepatobiliary function (human)
- ** MO1RR-00533-06 0025 General clinical research center, adult - Effects synthetic estrogens and progestins on metabolism of natural estrogens
- PROGNOSIS (DISEASE RELATED)**
- SEE DISEASES, PROGNOSIS
- PROGRAM PLANNING, BIOMEDICAL RESEARCH**
- SEE HEALTH SCIENCES RESEARCH ANALYSIS-EVALUATION-PLANNING
- PROGRAM PLANNING, EDUCATION**
- SEE EDUCATION PROGRAMS (SYSTEMS) EVALUATION-PLANNING
- PROGRAM PLANNING, HEALTH RESOURCES-SERVICES**
- SEE HEALTH CARE (SERVICES)(RESOURCES) PLANNING
- PROGRAM PLANNING, SOCIAL SERVICES**
- SEE SOCIAL SERVICES ANALYSIS-EVALUATION-PLANNING
- PROGRAMMED INSTRUCTION**
- SEE EDUCATION, PROGRAMMED INSTRUCTION
- PROGRESSIVE HYPERTROPHIC (INTERSTITIAL) NEUROPATHY**
- SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY, HYPERTROPHIC INTERSTITIAL NEUROPATHY
- PROGRESSIVE PATIENT CARE**
- SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT, COMPREHENSIVE CARE
- PROINSULIN**
- SEE PANCREAS HORMONES, INSULIN, PROINSULIN
- PROJECTIVE TECHNIQUES**
- SEE PSYCHOLOGICAL TESTS, PROJECTIVE TECHNIQUES*
- PROJECTS RESEARCH REVIEW**
- SEE MENTAL HEALTH PROJECTS RESEARCH REVIEW
- PROKARYOTIC CELLS (ORGANISMS)**
- SEE CELLS (ORGANISMS), PROKARYOTIC (SEE ALSO SPECIFICS)
- PROLACTIN**
- SEE PITUITARY-DIENCEPHALON HORMONES, PROLACTIN
- PROLACTIN, PLACENTAL**
- SEE REPRODUCTIVE HORMONES, CHORIONIC SOMATOMAMMOTROPIN
- PROLACTIN RELEASE REGULATING FACTORS**
- SEE PITUITARY-DIENCEPHALON HORMONES, PROLACTIN RELEASE REGULATING FACTORS
- PROLINE**
- SEE CYCLIC AMINO ACIDS, PROLINE
- PROLINE ACTIVATING ENZYMES**
- SEE AMINO ACID-RNA LIGASES, PROLINE:SRNA LIGASES AMP
- PROLINE IMINOPEPTIDASE**
- SEE PROTEASES AND PEPTIDASES, PROLINE IMINOPEPTIDASE
- PROLINE:SRNA LIGASES AMP**
- SEE AMINO ACID-RNA LIGASES, PROLINE:SRNA LIGASES AMP
- PROLIXIN**
- SEE PHENOTHIAZINES, FLUPHENAZINE
- PROLONGED HOSPITALIZATION**
- SEE HOSPITALS UTILIZATION, LENGTH OF STAY
- PROLYL-SRNA SYNTHETASES**
- SEE AMINO ACID-RNA LIGASES, PROLINE:SRNA LIGASES AMP

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(contd)

PROMAZINE
SEE PHENOTHIAZINES, PROMAZINE

PROMETHAZINE
SEE PHENOTHIAZINES, PROMETHAZINE

PROMINE AND RETINE
SEE CELL GROWTH REGULATION, PROMINE AND RETINE

PROMOTER GENE
SEE GENETICS, GENES, OPERON, PROMOTER GENE

PROMINASE
SEE PROTEASES AND PEPTIDASES, PROMINASE

PROMINENCE TO DISEASE
SEE DISEASE PROMINENCE

PROMETHALOL
SEE NAPHTHYLAMINES, PROMETHALOL

1,2-PROPANEDIOL
SEE ALCOHOLS, DIOLS, PROPYLENE GLYCOL

PROPANES
SEE ALKANES, PROPANES

PROPANOL
SEE ALCOHOLS, PROPANOLS

PROPANOLOL
SEE NAPHTHYLAMINES, PROPANOLOL

PROPANONE
SEE KETONES, ACETONE

PROPERDIN
SEE IMMUNOLOGY, PROPERDIN

PROPHAGE
SEE VIRUSES, BACTERIOPHAGE, PROPHAGE*

PROPIOLACTONE
SEE OXETANONE

PROPIONIBACTERIACEAE
SEE BACTERIA, PROPIONIBACTERIACEAE*

PROPIONIBACTERIUM
SEE BACTERIA, PROPIONIBACTERIACEAE, PROPIONIBACTERIUM*

PROPIONIC ACID
SEE FATTY ACIDS, PROPIONIC ACID

PROPIONICACIDEMIA
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA KETOTIC (GENERAL)

PROPIONYL COA-CARBON DIOXIDE LIGASE (ADP-FORMING)
SEE CARBON-CARBON LIGASES, PROPIONYL COA CARBOXYLASE (ATP-HYDROLYZING)

PROPIONYL COA CARBOXYLASE
SEE CARBON-CARBON LIGASES, PROPIONYL COA CARBOXYLASE (ATP-HYDROLYZING)

PROPIONYL COA CARBOXYLASE (ATP-HYDROLYSING)
SEE CARBON-CARBON LIGASES, PROPIONYL COA CARBOXYLASE (ATP-HYDROLYZING)

PROPIONYL-COA-CO2 LIGASE (AD)
SEE CARBON-CARBON LIGASES, PROPIONYL COA CARBOXYLASE (ATP-HYDROLYZING)

PROPIONYL-COA CARBOXYLASE DEFICIENCY
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA KETOTIC (GENERAL)

PROPOXYPHENE
SEE PHENYLALKYLAMINES, PROPOXYPHENE

PROPRANOLOL
SEE NAPHTHYLAMINES, PROPRANOLOL

PROPRIOCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

PROPYLENEGLYCOL
SEE ALCOHOLS, DIOLS, PROPYLENE GLYCOL

PROPYLENE OXIDE
SEE OXETANES

PROSENCEPHALON
SEE BRAIN, PROSENCEPHALON (GENERAL)

PROSTAGLANDINS
SEE SLOW REACTING SUBSTANCES, PROSTAGLANDINS

PROSTATE
SEE REPRODUCTIVE SYSTEM MALE, PROSTATE

PROSTATE DISORDERS
SEE REPRODUCTIVE SYSTEM DISORDERS MALE, PROSTATE DISORDERS

PROSTATE ENLARGEMENT AND HYPERPLASIA
SEE REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE PRENEOPLASTIC STATES

PROSTATE NEOPLASMS
SEE REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE NEOPLASMS

PROSTATE PRENEOPLASTIC STATES
SEE REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE PRENEOPLASTIC STATES

PROSTATE SURGERY
SEE REPRODUCTIVE SYSTEM SURGERY MALE, PROSTATE SURGERY

PROSTATITIS
SEE REPRODUCTIVE SYSTEM DISORDERS MALE, PROSTATITIS

PROSTHESIS
SEE ALSO BIOMATERIALS, TISSUE SUPPORTING FRAMES
SEE ALSO BIOMEDICAL ENGINEERING, BIOLOGICAL POWER SYSTEMS
SEE ALSO CARDIOVASCULAR PROSTHESIS
SEE ALSO DENTAL PROSTHESIS
SEE ALSO EAR PROSTHESIS
SEE ALSO ELECTRONIC STIMULATORS GENERAL
SEE ALSO EYE PROSTHESIS
SEE ALSO HEART PROSTHESIS
SEE ALSO MEMBRANE, PROSTHETIC MEMBRANES
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, PROSTHODONTICS
SEE ALSO PLASTICS
SEE ALSO PROSTHETIC ORGANS
SEE ALSO PROSTHETIC SPHINCTERS
SEE ALSO RESPIRATORY SYSTEM PROSTHESIS
SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, JOINT PROSTHESIS
SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, LIMBS ARTIFICIAL
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
SEE ALSO URINARY TRACT PROSTHESIS

** PO2CA-08023-10 0065 Cancer clinical research center - Maxillofacial prosthetics

** PO2CA-13148-03 0011 Pilot cancer center - Regional maxillofacial prosthetics

NO1CN-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)

NO1CN-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)

NO1CN-45133-01 Demonstration of cancer rehabilitation facilities and/or department (human)

P13DE-02668-08 0023 Dental research center - Biomaterials (human)

RO1DE-02771-06 Thermal aspects of dental restorative procedures

RO1DE-03262-03 Ceramic-metal composites for biomedical applications (rats, rabbits)

** RO1DE-03860-01 Maxillofacial materials

R13DE-03935-01 Selection of materials for reconstructive surgery

** PO1GM-16436-06 0028 Bioengineering program project - Automatic alignment pylon for a patellar tendon bearing prosthesis

M PO1GM-16437-06 Biomedical engineering program project

NO1HB-22990-02 Toxicology of plastics having contact with blood

** NO1HB-32912-01 Development of polymer fibers

NO1HB-32914-03 Development of blood and tissue compatible materials

** NO1HB-32917-02 Materials development and testing

** NO1HB-32921-02 Development of carbon film composites for use in prosthetic devices

** PO1HD-02274-08 0087 Mental retardation and child development - Artificial placenta (sheep)

PO1HD-02274-08 0098 Mental retardation and child development - Cardiopulmonary adaptation to birth (sheep)

RO1HD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)

** NO1HD-22769-03 Development of evaluation of a reversible vasectomy prosthesis

** NO1HD-22796-02 A reversible vas-occluding prosthesis (rabbits)

** RO1HL-12839-05 Degradation of blood in artificial organs (rats, dogs, rabbits, human)

** PO1HL-13330-05 0053 Mechanical circulatory support - Dynamics of blood flow in heart valves and prosthetic devices

PO1HL-13330-05 0055 Mechanical circulatory support - Fibrin deposition, thrombus formation and blood flow

P17HL-14230-04 0069 Lipids, atherosclerosis and thrombosis - Utilization of free fatty acid by cultured endothelial cells (human)

M PO1HL-15195-01 Program project in biological materials

** PO1HL-15195-01 0001 Program project in biological materials - Design and synthesis

** PO1HL-15195-01 0002 Program project in biological materials - Structural and surface characterization

** PO1HL-15195-01 0003 Program project in biological materials - Mechanical evaluation and fabrication

PO1HL-15195-01 0004 Program project in biological materials - Biological evaluation and surface interaction studies (animals)

** RO1HS-10941-01 Read fistula speech following pharyngolaryngectomy (human)

** NO1NS-22318-03 Cutaneous and visual patterned stimulation communication aids for deaf infant

PROSTHETIC LUNG
SEE RESPIRATORY SYSTEM PROSTHESIS, PROSTHETIC LUNG

PROSTHETIC MEMBRANES
SEE MEMBRANE, PROSTHETIC MEMBRANES

PROSTHETIC ORGANS

** RO1AI-09760-04 Hemodialysis culture of infectious organisms (goats)

** RO1AM-15771-03 An extracorporeal device to perform liver functions (rats)

** RO1AM-17022-02 Treatment of hepatic failure (swine, human)

P17AM-17047-01 0006 Diabetes-endocrinology research center - Mathematical modeling of insulin secretion

R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)

RO1DE-03227-03 Immediate metal implants into extraction sockets (dogs, baboons)

** NO1DE-42435-00 Development of improved materials for extraoral maxillofacial prosthesis

** RO1GM-21178-01 System design study of fluid energy transfer devices (human)

PROSTHETIC SPHINCTERS

** RO1GM-21178-01 System design study of fluid energy transfer devices (human)

PROSTHODONTICS
SEE ORAL-FACIAL RESTORATION, PROSTHODONTICS

PROSTIGMINE
SEE PHENYLAMINES, NEOSTIGMINE

PROTAMINASE
SEE PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE

PROTAMINES
SEE NUCLEOPROTEINS, PROTAMINES

PROTEASE INHIBITORS
SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PROTEASES AND PEPTIDASES
SEE ALSO ANTIBIOTICS, SUBTILISIN
SEE ALSO BLOOD COAGULATION
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, STAPHYLOCOAGULASE
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, STREPTOKINASE
SEE ALSO PEPTIDES, VASOACTIVE PEPTIDES, ANGIOTENSINASE
SEE ALSO PEPTIDES, VASOACTIVE PEPTIDES, KALLIKREIN
SEE ALSO PEPTIDES, VASOACTIVE PEPTIDES, RENIN

RO1AI-00328-23 Genetic investigations in yeast-Saccharomyces

** RO1AI-02011-17 Biosynthesis and excretion of bacterial enzymes

** RO1AI-10333-04 Genetics and biochemistry of intracellular proteolysis

RO1AI-11658-01 Polypeptide cleavage during EMC virus synthesis

** RO1AM-02449-16 Protein structure and biological function (swine, chickens, microorganisms)

RO1AM-04256-14 Energy transfer in biological systems (virus, rats, human)

** RO1AM-04683-14 Proteolytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)

RO1AM-07388-12 Evaluation of pathogenic factors in acne vulgaris (human)

RO1AM-10746-08 Protease inhibitors, physiology and pathology (dogs, rats, mice, guinea pigs)

RO1AM-13532-05 Control of polyribosomes in human reticulocytes

** RO1AM-13686-06 Inhibitors of proteolytic enzymes (plants, human, animals)

** RO1AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)

RO1AM-13914-05 Proinsulin studies (human, animals)

RO1AM-14018-05 Fibrinolytic events in human tissues and cells in culture

RO1AM-15509-03 Mechanism of action of ACTH and insulin (rats)

RO1AM-15811-03 Thyroglobulin proteolysis and thyroid hormone release (human, rats)

RO1AM-15919-02 Starvation and regulation of protein degradation (rats)

** RO1AM-16437-01 Insulin protease-Purification, mechanism, inhibition

RO1AM-16453-02 Chylomicrons-formation, structure and function

** RO1AM-16940-02 Human cartilage proteases in arthritis

RO1AM-17020-02 Isolation of Hurler's corrective factor from serum (human)

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- P17AM-17026-01 0003 Vanderbilt University Diabetes-Endocrinology Center - Hemokinasin structure and mechanism of action
- P17AM-17026-01 0019 Vanderbilt University Diabetes-Endocrinology Center - Structure of collagen
- P17AM-17026-01 0028 Vanderbilt University Diabetes-Endocrinology Center - Nature and origin of somatomedin
- RO1AM-17194-02 Proteolytic mechanisms in human colon contents
- RO1AM-17370-01 Mechanisms of proteolysis in human skin
- RO1AM-17434-01 Hemopoietic stem cell surface characters (mice, rats)
- RO1AM-17454-01 Hormone metabolizing and binding proteins (human)
- RO1CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- RO1CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
- ** RO1CA-11220-06 Mapping of active sites and effective chemotherapy
- RO1CA-12306-04 Initiation of fibroblast division by glucocorticoids (3T3 fibroblasts)
- RO1CA-12810-03 Proteases as growth stimulators of animal cells (mice)
- RO1CA-12967-02 Serum and cancer growth factors (rats, mice)
- RO1CA-13220-03 Membrane biochemistry of neoplastic cells
- RO1CA-13449-02 Antitumor components from animal venoms (mice)
- RO1CA-14311-02 RNA-envelope virus formation in animal cells
- RO1CA-15122-01 Cell surface properties of metastatic tumors (cell lines)
- ** R26CA-15315-02 0003 Control of bladder cancer - Prevention of bladder cancer by promotion inhibitors (rats)
- PO1CA-15655-01 0026 Cancer center support grant - Tissue proteinases and inhibitors in cell growth (mammals)
- RO1CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)
- PO1CA-15704-01 0036 Cancer center support grant - Therapeutic radiology
- RO1CA-15889-01 Cell surface changes in viral oncogenesis (mice)
- ** RO1CA-16123-01 Esterases and amidases in oncogenic transformation (mammals, viruses)
- RO1CA-16206-01 Ricin-A plant agglutinin with antitumor properties
- ** RO1CA-16231-01 Role of proteolysis in malignant growth (human, rodents, viruses)
- ** RO1DE-02103-10 0018 Inductive substrates for tooth and bone formation - Isolation of components of bone morphogenic systems (animals, human)
- ** RO1DE-02301-08 Proteolytic enzymes in bovine dental pulp
- RO1DE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
- PO1DE-02552-08 0003 Microbial pathogenesis of human dental caries - Biochemistry (Streptococci, hamsters)
- P13DE-02731-08 0002 Development support for dental research institute - Skeleton biochemistry (rabbits, rats, ungulates)
- PO1DE-02848-06 0013 Biology of connective tissue, bones and teeth - Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo)
- RO1DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- RO1DE-03766-02 Lysosomal enzymes and etiology of periodontitis
- P10ES-00260-12 0001 Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
- ** P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
- PO1EY-00208-14 Corneal physiology and pathology (rabbits, human)
- PO1EY-00396-07 0001 Basic ophthalmic research program - Functional development of the eye (primates)
- PO1EY-00396-07 0013 Basic ophthalmic research program - Intermediate metabolism of the cornea
- RO1EY-00429-06 Proteolysis in normal and senile cataract lens (human)
- RO1EY-01030-01 Chemistry and biology of vitreous structural proteins (human, cow, rabbit)
- RO1FD-00097-07 Changes in muscle proteins caused by microbial growth (bacteria, swine, cattle)
- RO1GM-10218-12 Mechanism of enzyme action
- RO1GM-10831-15 Chemistry of local environments in protein
- ** RO1GM-11946-12 Properties of transforming and infectious DNAs (microorganisms)
- ** RO1GM-13885-09 Physical and catalytic behavior of hydrolytic enzymes (snakes, swine, fruit)
- ** PO1GM-15003-13 0010 The biological functions of metals - Intracellular neutral proteases (E. coli, Euglena, human)
- ** RO1GM-15408-07 Regulation of histidine biosynthesis in yeast
- M PO1GM-15731-06 Proteolytic enzymes-Diversity, function, homology
- ** PO1GM-15731-06 0002 Proteolytic enzymes-Diversity, function, homology - Biospecific adsorption
- ** PO1GM-15731-06 0003 Proteolytic enzymes-Diversity, function, homology - Biological events initiated by proteases (cattle, plants, aquatic animals)
- ** PO1GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
- RO1GM-16228-06 Structure-function of bacterial proteins (also cattle, plants)
- RO1GM-16784-05 Structure-function and evolutionary studies of proteins (bacteria, plants, catt)
- ** RO1GM-17849-03 Specific synthetic inhibitors of proteases (virus, cattle, human)
- ** RO1GM-18172-04 Protein conformation and enzyme catalysis (bacteria, swine, cattle)
- ** RO1GM-18292-04 X-ray study of enzyme-small molecular interactions
- ** RO1GM-18983-03 Models for metalloproteases
- RO1GM-19328-03 Burn debridement-Chemical, enzymatic, CO2 laser (human, swine, dogs, rats)
- ** RO1GM-19643-02 Proteases and protein turnover in bacterial sporulation
- ** RO1GM-19698-02 Degradative reactions in spore germination
- RO1GM-20066-02 Refinement of the 3D structure of thermolysin (bacteria)
- RO1GM-20606-01 Morphogenesis of bacterial spores (B cereus, B subtilis)
- RO1GM-20641-01 Transcriptional control of bacterial cell development
- ** RO1GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- RO1GM-21084-01 Immobilized enzyme systems for use in cancer research
- RO1HD-00122-10 Comparative biochemistry of proteins (human, animals)
- ** RO1HD-02147-05 Reproductive biochemistry (rabbit)
- RO1HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
- ** PO1HD-03015-08 0008 Program for developmental biology - Control of enzyme synthesis (echinoderms)
- ** RO1HD-03752-05 0001 Mammalian reproduction - Proteolytic activity of sperm acrosomes (cattle, rabbits, rodents, human)
- ** RO1HD-03752-05 0002 Mammalian reproduction - Interaction of human spermatozoa with human cervical mucus
- RO1HD-03752-05 0009 'Mammalian reproduction - Enzyme activity of the stigmatal area in ovulatory follicles
- ** PO1HD-05797-04 0022 Population and reproductive biology - Epidermal growth factor (mice)
- RO1HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
- PO1HD-06274-03 0003 Reproductive biology - Acrosomal enzymes and fertilization (rabbits, monkeys, human)
- ** RO1HD-06315-03 Proteases in sperm and seminal fluid (human, monkeys)
- RO1HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
- RO1HD-06773-03 Tissue collagenase and its control by steroids (rats)
- RO1HD-07173-02 0001 Structure and function of aging human fibroblasts - Composition, immunology, enzymes and transport in cell membranes (WI 38)
- RO1HD-08645-01 Biochemistry of sperm-egg binding
- RO1HD-92103-11 Biochemical requirements for fertilization (rabbits, cattle)
- PO1HL-05435-14 0022 Cardiovascular research and training program - Anesthesia research laboratory (human)
- ** PO1HL-06350-13 0020 Hemostasis research program project - Structure and function of coagulant venom proteases
- RO1HL-07379-09 Structure of fibrinogen (human)
- RO1HL-11119-13 Amino acid analyzer for biochemical research (bacteria, mammals nonhuman)
- RO1HL-11492-07 Vasoactive regulators in tumor tissue (human, rodents, dogs)
- RO1HL-13398-05 Alpha-1 antitrypsin deficiency in pulmonary emphysema (human)
- ** RO1HL-13787-04 Etiology of experimental emphysema (dogs, human)
- ** P17HL-14152-04 0017 Pulmonary specialized center of research - Animal model of pulmonary obstructive disease (sheep)
- P17HL-14201-04 0008 Pulmonary disease research center - Alpha-1-antitrypsin enzyme inhibitors in emphysema (human)
- P17HL-14228-04 0006 Specialized center of research in thrombosis - Synthetic inhibitors of coagulation and fibrinolysis (dogs, cattle, human)
- RO1HL-14277-02 Myocardial depressant factor in circulatory shock (cats, dogs)
- ** RO1HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
- ** PO1HL-14810-03 0008 Cornell thrombosis research center - Surface activation of coagulation factors and plasma enzymes (human)
- ** RO1HL-14865-02 Biochemical studies on the pathogenesis of emphysema
- ** RO1HL-14972-20 Configurational changes in protein molecules (cattle)
- ** RO1HL-14992-03 Mechanism of thrombin action
- P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
- ** RO1HL-15140-01 Lysosomal proteases and chronic obstructive pulmonary disease
- ** RO1HL-15309-02 Normal and variant human alpha 1-antitrypsin
- ** PO1HL-15832-02 0003 Chemical predispositions to lung injury - Change of connective tissue structure of lung with proteolytic enzymes (rat, dog)
- RO1HL-15958-02 X-ray diffraction analysis of thrombin and neurotoxin
- PO1HL-16118-01 0004 Mechanisms in the remodeling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)
- RO1HL-16320-02 0001 Vasoactive peptides which stimulate smooth muscles - Evolution of plasma kinin system (animals)
- RO1HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
- RO1HL-16672-01 Coagulation inhibitors-Function and structure (human, animals)
- ** RO1HL-16713-01 Emphysema, bronchitis, alveolar enzymes and inhibitors (human)
- PO1HL-16769-01 0004 Pathobiologic and host defense reactions in the lung - Pathogenesis of Pseudomonas and Serratia pneumonias (human, rabbits)
- ** RO1HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- RO1HL-17691-01 Modification of lung immune responses (guinea pigs)
- NO1HR-12221-04 Alpha 1 antitrypsin deficiency and chronic respiratory disease (human)
- RO1HS-00361-19 Quantitative histochemical studies upon cerebral cortex (human)
- RO1HS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- RO1HS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
- RO1HS-07180-12 Functional relationships in vitamin E-deficiency (guinea pigs)
- ** RO1HS-10105-02 Innervation effects on muscle neutral hydrolases (human, rats)
- ** PO7RR-00757-02 0020 Implementation of laboratory automation system - Structure and function of protease
- PROTEASES AND PEPTIDASES, AMINOPEPTIDASES**
- SEE ALSO PROTEASES AND PEPTIDASES, OXYTOCINASE
- ** PO1AM-09001-10 0044 Biochemistry and immunology of blood diseases - Proteolytic enzymes from pronase
- RO1AM-11923-07 Regulation of galactose metabolism (E. coli, rabbits)
- ** PO1CA-06927-12 0022 Biological and biochemical program in cancer research - Nature and properties of aminopeptidases and dipeptidases (rabbits, mice)
- RO1CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- RO1GM-11061-12 Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria)
- ** PO1GM-15003-13 0002 The biological functions of metals - Neutral proteases (Bacilli)
- RO1GM-19526-03 Active sites of enzymes (rabbits, fungi)
- ** RO1HL-01895-20 Chemistry and enzymology of staphylocoagulase activity (human)
- P18HL-15169-03 0007 Comprehensive sickle cell disease center - Enzymatic radiologic and pathologic changes of liver in sickle cell anemia (human)
- RO1HS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- PROTEASES AND PEPTIDASES, BROMELIN**
- RO1GM-13885-09 Physical and catalytic behavior of hydrolytic enzymes (snakes, swine, fruit)
- ** RO1GM-19328-03 Burn debridement-Chemical, enzymatic, CO2 laser (human, swine, dogs, rats)
- PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE**
- SEE ALSO PROTEASES AND PEPTIDASES, PROCARBOXYPEPTIDASE
- RO1AL-03962-14 Structure-chemical nature of specific antibody sites
- PO1AL-07007-09 0003 Immunopathologic studies - Complement and its regulatory mechanisms (human, mammals nonhuman)
- RO1AM-05299-13 Enzyme modification with bifunctional inhibitors (human)
- ** RO1AM-07957-11 Mechanism of carboxypeptidase action
- ** RO1AM-14307-05 Structure and function of pancreatic enzymes (cattle, pigs)
- RO1AM-17176-01 PAC and EPR studies of metalloenzyme structure
- RO1CA-08010-10 Mechanism of action of folate antagonists (human, mice, dogs, guinea pigs)
- ** PO2CA-08341-09 0020 Clinical pharmacology and cancer chemotherapy - Phase I studies with carboxypeptidase G-1
- RO1CA-13105-03 Chemotherapy and tumor-specific immunity (human)
- RO1GM-06920-15 Molecular structure of biologically active molecules

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1GM-11764-09 Studies on pancreatic proteins (pigs, human)
- RO1GM-12783-09 Stereochemical effects in metal ion redox reactions
- PO1GM-15003-13 0001 The biological functions of metals - Carboxypeptidase A
- PO1GM-15003-13 0011 The biological functions of metals - AZO probes of protein conformation
- PO1GM-15003-13 0016 The biological functions of metals - Electron paramagnetic resonance spectroscopy in structure studies
- PO1GM-15731-06 0001 Proteolytic enzymes-Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
- PO1GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
- RO1GM-17506-03 Enzyme studies-Mechanism of action and evolution (scallops, chickens)
- RO1GM-18754-13 Biochemical model reactions
- RO1GM-18816-03 Calorimetric and NMR study of metalloenzyme systems
- RO1GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
- RO1GM-18983-03 Models for metalloproteases
- RO1GM-19526-03 Active sites of enzymes (rabbits, fungi)
- RO1GM-20378-01 Active site identification in metalloenzymes (E coli)
- RO1GM-21335-01 Chemistry of metal ion-protein interactions
- RO1HL-16320-02 0001 Vasoactive peptides which stimulate smooth muscles - Evolution of plasma kinin system (animals)
- RO1HL-16320-02 0005 Vasoactive peptides which stimulate smooth muscles - Coupling enzymes with water-insoluble carriers
- RO1HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- RO1NS-01687-16 Neuropathology of the postsynaptic membrane (aplasia)
- MO1RR-00125-11 0203 General clinical research center-adult-child - Carboxypeptidase G1 in leukemia
- PROTEASES AND PEPTIDASES, CARNOSINASE**
- RO1NS-08287-05 Metabolism of carnosine and other histidyl compounds (tuna, fish, mice, human)
- PROTEASES AND PEPTIDASES, CATHEPSIN B**
- RO1AM-17370-01 Mechanisms of proteolysis in human skin
- PROTEASES AND PEPTIDASES, CATHEPSINS**
- RO1AI-06591-10 Chediak-Higashi syndrome and disease susceptibility (human, mink, mice)
- RO1AM-04683-14 Proteolytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)
- RO1AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
- RO1AM-07343-11 Characterization of cartilage proteopolysaccharides (human, cattle, rabbits)
- RO1AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- RO1AM-15682-03 Specificity and mechanism of thyroid peroxidase (cattle)
- RO1AM-16940-02 Human cartilage proteases in arthritis
- RO1CA-15290-01 Cancer spreading factors as a target for zinc therapy
- PO1CA-15704-01 0036 Cancer center support grant - Therapeutic radiology
- PO1DE-01945-11 0003 Ultrastructure of hard tissue - Dental studies (human, rats)
- RO1DE-03470-03 Protein turnover in dental pulp and periodontal tissues (cattle)
- RO1ES-00769-09 Toxicity studies with a chelating agent (rats)
- PO1GM-15731-06 0003 Proteolytic enzymes-Diversity, function, homology - Biological events initiated by proteases (cattle, plants, aquatic animals)
- RO1GM-20212-01 Mammalian cathepsin D (cattle, swine, human, rabbits, chickens)
- RO1GM-20680-01 Investigation of tissue sulfhydryl proteinases (calf)
- RO1GM-21235-01 Pharmacologic studies of circulatory shock (cats)
- PO1HD-05065-04 0002 Cellular aging and degeneration - Subcellular events in arterial disease (rabbits)
- RO1HD-06773-03 Tissue collagenase and its control by steroids (rats)
- RO1HD-07986-01 Enzyme turnover during growth and development (chlorophyta)
- P17HL-14153-04 0004 Johns Hopkins Lung Center - Lung macrophages in chronic inflammation (rabbits)
- P17HL-15098-03 0002 Special center of research-Environmental lung disease - Enzyme activity alteration (monkeys)
- RO1HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- RO1NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- RO1NS-07180-12 Functional relationships in vitamin E deficiency (guinea pigs)

PROTEASES AND PEPTIDASES, CHYMOTRYPSIN

- RO1AI-03962-14 Structure-chemical nature of specific antibody sites
- RO1AM-05299-13 Enzyme modification with bifunctional inhibitors (human)
- RO1AM-05853-13 Conformational basis of enzymic catalysis
- RO1AM-09171-10 Organic studies and the mechanism of enzyme action
- RO1AM-10748-08 Protease inhibitors, physiology and pathology (dogs, rats, mice, guinea pigs)
- RO1AM-12129-07 0006 Collagenases and collagen remodeling - Invertebrate collagenase (crustaceans)
- RO1AM-13686-06 Inhibitors of proteolytic enzymes (plants, human, animals)
- RO1AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
- RO1AM-16259-01 Protein, trypsin inhibitors and pancreatic secretion (rats)
- RO1AM-16733-02 Thermodynamic studies of chymotrypsin catalysis
- RO1CA-11220-06 Mapping of active sites and effective chemotherapy
- NO1CM-33703-01 Structural properties of cancer therapeutic agents
- RO1DE-03246-05 Biochemical mechanisms relevant to dental research (E coli)
- RO1EY-00237-13 Physiologic studies of intraocular pressure (rabbits)
- RO1EY-00933-02 Pathogenesis of corneal edema after cataract surgery (human, monkeys, rabbits)
- RO1GM-04584-17 Specificity and reactivity of hydrolytic enzymes
- RO1GM-04842-18 Interrelationship between protein structure and function
- RO1GM-10451-11 Kinetic analysis of enzyme catalysis
- RO1GM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- RO1GM-14603-08 Structure and interactions of proteins in solution
- RO1GM-14825-08 Conformation of tRNA and model oligonucleotides
- PO1GM-15003-13 0011 The biological functions of metals - AZO probes of protein conformation
- PO1GM-15003-13 0017 The biological functions of metals - Biomacromolecular directed transport in structure studies
- PO1GM-15003-13 0018 The biological functions of metals - Rapid kinetics in structure studies
- RO1GM-16167-06 Ionic strength and dielectric effects on chymotrypsin
- RO1GM-16424-06 Enzyme systems using nuclear magnetic resonance
- PO1GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- RO1GM-18172-04 Protein conformation and enzyme catalysis (bacteria, swine, cattle)
- RO1GM-18292-04 X-ray study of enzyme-small molecular interactions
- RO1GM-18652-03 Polar effects in model substrates of chymotrypsin
- RO1GM-19267-03 Hydration of macromolecules (bacteria, viruses)
- RO1GM-19364-03 Spin-label investigation of enzyme conformation
- RO1GM-20306-02 Molecular biology of cellular interactions (human, rabbits)
- RO1GM-20366-01 Substrate induced irreversible inhibition of enzymes (ungulates, yeast)
- RO1GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- RO1GM-21258-01 Synthetic glycoproteins
- PO1HD-02147-08 0003 Extracellular growth and development - Pancreas (mice, rats)
- RO1HL-01662-21 Equilibria in the fibrinogen-fibrin conversion (human, cattle)
- RO1HL-12787-05 Surface properties of blood elements (human)
- RO1HL-14083-03 Thermal and potentiometric analysis of proteins
- RO1HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
- RO1HL-15892-02 Inhibitors of proteinases (human, cattle, swine, beans)
- RO1HL-16320-02 0001 Vasoactive peptides which stimulate smooth muscles - Evolution of plasma kinin system (animals)
- RO1HL-16320-02 0005 Vasoactive peptides which stimulate smooth muscles - Coupling enzymes with water-insoluble carriers
- RO1NS-07156-09 Enzyme theory and relationship to function (mice)
- MO1RR-00040-14 0005 General clinical research center - Role of pancreas in vitamin b12 absorption (human)
- PROTEASES AND PEPTIDASES, CHYMOTRYPSINOGEN**
- RO1AI-03998-12 0001 Cellular regulatory mechanisms at the molecular level - Mechanism of protein folding

- RO1AM-09826-09 Gastric zymogens, proteases and inhibitors (cattle, dogs)
- RO1GM-10928-12 Crystallographic study of biological molecules (bacteria)
- RO1GM-11071-12 Free energy of folding of globular proteins (human)
- PO1GM-15731-06 0003 Proteolytic enzymes-Diversity, function, homology - Biological events initiated by proteases (cattle, plants, aquatic animals)
- RO1GM-19988-14 0001 Physical studies of nucleic acids and proteins - Kinetic studies of intermediates in protein folding
- RO1HL-03906-16 Thrombinase of the blood and fibrinolysis (cattle)
- PROTEASES AND PEPTIDASES, COLLAGENASE**
- RO1AI-10129-04 Immunobiology of parasitism (rats)
- RO1AI-11241-02 Biochemical tissue necrosis by Clostridium histolyticum (mice, rabbits)
- PO1AM-03564-15 0007 Mesenchymal tissues and their diseases - Zymogen of tadpole collagenase
- PO1AM-03564-15 0008 Mesenchymal tissues and their diseases - Collagenase degradation
- PO1AM-03564-15 0009 Mesenchymal tissues and their diseases - Collagenase in human cholelithoma
- PO1AM-03564-15 0026 Mesenchymal tissues and their diseases - Destruction of collagenous structures in rheumatoid arthritis
- PO1AM-03564-15 0033 Mesenchymal tissues and their diseases - Collagen degradation-Animal collagenases
- RO1AM-07300-12 Peptides and proteins
- RO1AM-10546-09 0002 Epidermal cell model from human skin - Formation, origin and function of structures at epidermal-dermal junction
- RO1AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- RO1AM-10833-08 Structure of collagen (bacteria, mice, human)
- RO1AM-11248-08 Structure of connective tissue proteins (human, mammals)
- RO1AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- RO1AM-11919-06 Connective tissue and its components (cattle, human)
- M RO1AM-12129-07 Collagenases and collagen remodeling
- RO1AM-12129-07 0001 Collagenases and collagen remodeling - Collagen degradation in human skin
- RO1AM-12129-07 0002 Collagenases and collagen remodeling - Collagenase and its relation to neoplasia (rats)
- RO1AM-12129-07 0003 Collagenases and collagen remodeling - Regulation of collagenase (rats)
- RO1AM-12129-07 0004 Collagenases and collagen remodeling - Human and animal collagenases (tadpoles, rats)
- RO1AM-12129-07 0005 Collagenases and collagen remodeling - Uterine collagenase (rats)
- RO1AM-12129-07 0006 Collagenases and collagen remodeling - Invertebrate collagenase (crustaceans)
- RO1AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- RO1AM-13748-06 Molecular development of collagen fibers (chicks, mice, hamsters)
- RO1AM-14780-04 Mechanisms of connective tissue destruction in man (rabbits, rats)
- RO1AM-15061-03 Collagenase-Structure and biological function (clostridium)
- RO1AM-15367-03 Degradative mechanisms of collagen in health and disease (amphibian)
- PO1AM-15671-04 0048 The biology of skeletal and other connective tissues - Inhibition of mouse bone collagenase by lysazyme
- PO1AM-15671-04 0049 The biology of skeletal and other connective tissues - Isolation of tissue collagenase from homogenates of embryonic chick bones
- RO1AM-15732-03 Role of wound epidermis in regeneration (amphibians)
- RO1AM-15762-03 Tendon regeneration and development (chickens, chick embryo, human)
- RO1AM-16063-01 Collagen synthesis in connective tissue disease (tissue culture, rats)
- RO1AM-16478-02 Molecular heterogeneity of human skin collagen
- RO1AM-16506-02 Chemistry and biology of normal and abnormal collagens (human)
- RO1AM-16940-02 Human cartilage proteases in arthritis
- RO1AM-17370-01 Mechanisms of proteolysis in human skin
- RO1AM-17779-01 Degradative mechanisms of collagen in health and disease (amphibian, human)
- PO1CA-02357-20 0017 Autoimmune responses to normal and malignant tissues - Specificity and autoimmunogenicity of renal glomerular basement membrane
- PO2CA-13148-03 0065 Pilot cancer center - Disaggregation of human solid tumors
- RO1CA-13625-03 0001 Myeloma tumors in cell culture - Loss of oncogenicity (mice)
- RO1CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)
- RO1DE-02301-08 Proteolytic enzymes in bovine dental pulp (cattle)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P13DE-02600-08 0001 Planning of a research center in oral biology - Periodontal disease epithelium in primates human, marmoset, dogs, chickens)
- ** P01DE-02849-06 0030 Mechanism and treatment of periodontal disease - Study of factors activating or inhibiting mouse bone collagenase
- ** P01DE-02849-06 0031 Mechanism and treatment of periodontal disease - Isolation of tissue collagenase from homozygotes of embryonic chick bones
- R01DE-02863-07 Differentiation of embryonic tooth rudiments in vitro (mice)
- P01EY-00208-14 Corneal physiology and pathology (rabbits, human)
- P15EY-00493-06 0003 Corneal research clinic - Antibiotics, antiviral agents in conjunctival and corneal disease (human, animal)
- ** R01EY-00969-02 Covalent control of cornea-damaging collagenase (frogs, bacteria)
- R01EY-01010-02 Chemotherapy of experimental Pseudomonas keratitis (rabbits)
- R01EY-01030-01 Chemistry and biology of vitreous structural proteins (human, cow, rabbit)
- ** R01EY-01246-01 Serum antiprotease and corneal ulceration (human, rabbits)
- ** R01EY-01490-01 Collagenolytic systems in normal and diseased corneas (human, rabbits)
- ** R01GM-19328-03 Burn debridement - Chemical, enzymatic, CO₂ laser (human, swine, dogs, rats)
- R01GM-20298-01 Collagen metabolism in wound repair and keloid (rats)
- P01HD-00669-15 0012 Interdisciplinary program of research in aging - Post-mature structural changes in human collagen
- R01HD-03752-05 0009 Mammalian reproduction - Enzyme activity of the stigmatal area in ovulatory follicles
- ** R01HD-05291-04 Hormonal regulation of an enzyme system in the uterus (rats)
- ** P01HD-05797-04 0020 Population and reproductive biology - Macromolecular conformation in collagen (human, mice)
- ** P01HD-05797-04 0021 Population and reproductive biology - Clostrispain structure (bacteria)
- ** R01HD-06371-03 Dynamics of ovulation (rabbits, swine)
- ** R01HD-06773-03 Tissue collagenase and its control by steroids (rats)
- P01HL-08682-11 0005 Regulation of the cardiovascular system - Mechanical properties of blood vessels (dogs)
- R01HL-11963-06 Biochemistry of blood vessel formation and disease (swine)
- R01HL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
- R01HL-13694-04 Capillary basement membrane in cardiovascular disease (human, rats)
- R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
- P17HL-14142-04 0008 Coagulation and cells in thrombosis and hemostasis - Structural-functional properties of fibrinogen clams
- R01HL-14358-03 Mechanism of angiotensin action on target tissues (dogs)
- ** P01HL-16118-01 0002 Mechanisms in the remodelling of lung structure - Cellular localization of degradative enzymes (human, cattle)
- P01HL-16118-01 0003 Mechanisms in the remodelling of lung structure - Degradation of collagen and elastin (human, rabbits)
- P01HL-16118-01 0004 Mechanisms in the remodelling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)
- P01HL-16118-01 0005 Mechanisms in the remodelling of lung structure - Mechanisms of elastase emphysema (hamsters)
- R01HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- R01NS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
- R01NS-10608-02 Pathogenesis and bone resorption in aural cholesteatoma (human, guinea pigs)
- M01RR-00031-14 0015 General clinical research center - Cellular basis of bone disorders (human)
- M01RR-00046-14 0035 General clinical research center - Epidemolysis bullosa (human)
- M01RR-00318-08 0020 General clinical research center - Calcium and magnesium metabolism in endocrine and metabolic diseases (human)
- PROTEASES AND PEPTIDASES, DIPEPTIDASES**
- ** R01AM-08511-11 Characterization of kidney peptidase (swine, human)
- ** P17HL-14187-04 0014 Center for lung research - Vasoactive agents and proteolytic enzymes in the lung (human, mammals)
- PROTEASES AND PEPTIDASES, ELASTASE**
- SEE ALSO ENZYME INHIBITORS, ELASTASE INHIBITORS
- R01A-11241-02 Biochemical tissue necrosis by *Clostridium histolyticum* (mice, rabbits)
- ** R01AM-07300-12 Peptides and proteins
- R01AM-10746-08 Protease inhibitors, physiology and pathology (dogs, rats, mice, guinea pigs)
- R01AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- R01AM-13686-06 Inhibitors of proteolytic enzymes (plants, human, animals)
- R01ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- ** R01GM-18292-04 X-ray study of enzyme-small molecular interactions
- P01HL-08682-11 0005 Regulation of the cardiovascular system - Mechanical properties of blood vessels (dogs)
- R01HL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
- R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
- ** R01HL-14262-03 Human leukocyte elastase in vascular and lung disease (mice, rabbit, dog, monkey)
- R01HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
- ** P01HL-15832-02 0004 Chemical predispositions to lung injury - Proteolytic activity leucocytes in patients with obstructive lung disease
- ** R01HL-15979-02 Elastase, serum inhibitors and the vasculature (human, swine)
- P01HL-16118-01 0003 Mechanisms in the remodelling of lung structure - Degradation of collagen and elastin (human, rabbits)
- P01HL-16118-01 0004 Mechanisms in the remodelling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)
- ** P01HL-16118-01 0005 Mechanisms in the remodelling of lung structure - Mechanisms of elastase emphysema (hamsters)
- R01HL-16713-01 Emphysema, bronchitis, alveolar enzymes and inhibitors (human)
- R01HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- ** R23HL-17187-01 The role of elastolysis in emphysema (hamsters)
- PROTEASES AND PEPTIDASES, ENDOPEPTIDASES**
- R01DE-03470-03 Protein turnover in dental pulp and periodontal tissues (cattle)
- P01GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
- R01GM-19526-03 Active sites of enzymes (rabbits, fungi)
- P01MH-25515-01 0012 Collaborative biological research on schizophrenia - Microchemistry of proteolysis in human cerebral cortex
- PROTEASES AND PEPTIDASES, ENTEROKINASE**
- R01A-05691-19 Antibody production (mice, guinea pigs)
- R01AM-10696-08 Brush border phase of digestive-absorptive function (human, animals)
- P01AM-13385-06 0005 Cystic fibrosis - Intestinal enzyme activities (human)
- P01GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
- P01HD-02147-08 0004 Extracellular growth and development - Intestine (human, mice)
- PROTEASES AND PEPTIDASES, EXOPEPTIDASES**
- P01GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
- P01MH-25515-01 0012 Collaborative biological research on schizophrenia - Microchemistry of proteolysis in human cerebral cortex
- PROTEASES AND PEPTIDASES, FCIN**
- R01GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- R01HL-16264-01 Role of inflammatory hormones in chronic lung disease
- PROTEASES AND PEPTIDASES, GASTRINSIN**
- R01AM-01107-18 Components of human gastric juice (human, mammals)
- R01AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
- PROTEASES AND PEPTIDASES, GLUTAMYL CYCLOTRANSFERASE**
- ** R01NS-11018-01 Gamma-glutamyl cycle, brain amino acid uptake and drugs (rats, mice)
- PROTEASES AND PEPTIDASES, GLUTAMYL TRANSPEPTIDASE**
- ** R01AM-01392-18 0002 Structure and function of intestinal cell membranes - Gamma glutamyl cycle and intestinal amino acid transport
- R01AM-15119-04 Intestinal peptidases-Properties and functions (rats, human)
- R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- R01CA-14955-02 Follow-up study of thorotrast patients
- R01EY-00010-11 Effect of blood and pressure on cultured organ tissue (human, animals)
- ** P01HD-07173-02 0004 Structure and function of aging human fibroblasts - Amino acid transport-Glutamyl transpeptidase system
- R01NS-11018-01 Gamma-glutamyl cycle, brain amino acid uptake and drugs (rats, mice)
- PROTEASES AND PEPTIDASES, INSULINASE**
- R01AM-07215-10 Hormonal regulation of hepatic glucose production (rats)
- PROTEASES AND PEPTIDASES, LEUCINE AMINOPEPTIDASE**
- R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- R01CA-12188-03 0001 Mechanisms of enhanced asparaginase therapy - Impairment of host exogenous enzymes removal from blood by LDH-virus (mice)
- R26CA-16736-01 Enzymes in diagnosis and staging of prostatic cancer (human)
- R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- ** R01EY-00813-04 Mechanism of leucine aminopeptidase (cattle)
- R01GM-19507-03 Application of immobilized enzymes in protein chemistry
- PROTEASES AND PEPTIDASES, OLIGOPEPTIDASES**
- R01AM-10696-08 Brush border phase of digestive-absorptive function (human, animals)
- ** R01AM-15802-02 Small intestinal oligopeptidases in digestion (human, rats)
- PROTEASES AND PEPTIDASES, OXYTOCINASE**
- ** R01HD-04028-06 Neurohypophysial hormones in pregnancy and puerperium (rats, rabbits)
- PROTEASES AND PEPTIDASES, PAPAINE**
- R01A-06659-10 The structure of antibody molecules (mice, rabbits)
- R01A-07289-09 Chemical studies on histocompatibility antigens (mice)
- R01A-11234-02 Structure and genetic control of rabbit IgA
- R01AM-09276-10 Reaction mechanisms of enzymes
- R01AM-15802-02 Small intestinal oligopeptidases in digestion (human, rats)
- P01CA-12800-03 0005 Immune functions and cancer - Lymphoid cell surfaces (human, mice, rabbits)
- P01CA-12800-03 0010 Immune functions and cancer - Lymphoid cell surfaces-HL-A antigens (rabbits)
- ** R01DE-03246-05 Biochemical mechanisms relevant to dental research (E cell)
- R01ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- R01GM-18172-04 Protein conformation and enzyme catalysis (bacteria, swine, cattle)
- R01GM-18325-04 Chemical mechanisms of biosynthesis (enzymes)
- R01GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
- R01GM-20817-01 Mechanisms of enzymatic catalysis (human, bacteria)
- R01GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
- P17HL-15063-03 0005 SCOR diffuse infiltrative lung disease - Experimental pulmonary emphysema (rats, human)
- R01HL-16264-01 Role of inflammatory hormones in chronic lung disease
- R01HL-16355-01 Reactions of thrombin and collagen with platelets
- R23HL-17121-01 Antipain and its relation to experimental emphysema (mammals)
- PROTEASES AND PEPTIDASES, PEP SIN**
- SEE ALSO ENZYME INHIBITORS, PEP SIN INHIBITORS
- R01AA-00312-03 0003 Acute and chronic gastric mucosal injury due to alcohol - Mechanism of gastric mucosal injury caused by alcohol (rats, guinea pigs)
- R01AM-01107-18 Components of human gastric juice (human, mammals)
- ** R01AM-02150-16 Etiology of peptic ulcer-Role of pepsin (dogs, human, rabbits, rats, cats)
- R01AM-02449-16 Protein structure and biological function (swine, chickens, microorganisms)
- R01AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
- ** R01AM-09826-09 Gastric zymogens, proteases and inhibitors (cattle, dogs)
- R01AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
- R01AM-15564-03 0001 Secretion and hormonal integration of exocrine organs - Synergism and inhibition of exocrine secretion (human)
- R01AM-16431-02 0001 Gastritis induced by intestinal juices - Effects of intestinal juices on whole stomach preparations (dogs)
- ** R01AM-17125-01 The secretion of pepsin (dogs)
- P17AM-17328-01 0013 Peptic ulcer center - Studies on vagotomy (human)
- P02CA-13148-03 0025 Pilot cancer center - Electrical potentials in gastric carcinoma (rabbits, human, guinea pigs, dogs)
- R01GM-10218-12 Mechanism of enzyme action (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** RO1GM-16424-06 Enzyme systems using nuclear magnetic resonance
 RO1GM-18172-04 Protein conformation and enzyme catalysis (bacteria, swine, cattle)
 RO1GM-20306-02 Molecular biology of cellular interactions (human, rabbits)

PROTEASES AND PEPTIDASES, PEPINOGEN

- RO1AM-02449-16 Protein structure and biological function (swine, chickens, microorganisms)
 PO2AM-05630-12 0007 Metabolic unit for the Department of Medicine - Pancreatic function in pernicious anemia
 RO1AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
 ** RO1AM-09826-09 Gastric zymogens, proteases and inhibitors (cattle, dogs)
 ** RO1AM-13233-06 Pepsinogen polymorphism in man
 RO1AM-15475-03 Biochemistry of gastric sulfated glycoproteins (human, rats, dogs, swine)
 RO1AM-15611-03 Biochemical role of cyclic AMP in gastric mucosa (rabbits, dogs)
 P17AM-17328-01 0004 Peptic ulcer center - Measurement of 'vagat tone' in duodenal ulcer (dogs, human)
 P17AM-17328-01 0009 Peptic ulcer center - Accuracy of duodenal ulcer diagnostic tests (human)
 P17AM-17328-01 0012 Peptic ulcer center - Zollinger-Ellison syndrome (human)
 P17AM-17328-01 0013 Peptic ulcer center - Studies on vagotomy (human)
 ** P17AM-17328-01 0014 Peptic ulcer center - Diagnosis, treatment and prevention of peptic ulcer (human)

PROTEASES AND PEPTIDASES, PEPTIDASES

- ** RO1AM-08511-11 Characterization of kidney peptidase (swine, human)
 ** RO1AM-10336-09 Peptide utilization (bacteria)
 RO1AM-10833-08 Structure of collagen (bacteria, mice, human)
 ** RO1AM-15119-04 Intestinal peptidases-Properties and functions (rats, human)
 RO1AM-16940-02 Human cartilage proteases in arthritis
 P17AM-17026-01 0019 Vanderbilt University Diabetes-Endocrinology Center - Structure of collagen
 RO1AM-17750-01 Functional organization of the intestinal brush border (guinea pigs, mammals)
 ** PO1CA-06927-12 0022 Biological and biochemical program in cancer research - Nature and properties of aminopeptidases and dipeptidases (rabbits, mice)
 ** PO1CA-08748-09 7420 Research program of Sloan-Kettering Institute - Microbial enzymes capable of destroying folate coenzyme activity and antifolates
 P13DE-02600-08 0015 Planning of a research center in oral biology - Control of collagen synthesis and degradation
 PO1EY-00396-07 0013 Basic ophthalmic research program - Intermediate metabolism of the cornea
 PO1GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
 PO1GM-19521-03 0002 Genetic study of mammalian control systems - Properties of single lysosomes and membrane fragments (mice, human)
 PO1GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
 PO1HL-16126-01 0002 Atherosclerosis, coagulation and thrombosis - Structural studies of tissue factor isoforms (cattle, human)

PROTEASES AND PEPTIDASES, PROCARBOXYPEPTIDASE

- PO1GM-15731-06 0003 Proteolytic enzymes-Diversity, function, homology - Biological events initiated by proteases (cattle, plants, aquatic animals)

PROTEASES AND PEPTIDASES, PROLINE IMINOPEPTIDASE

- RO1GM-19507-03 Application of immobilized enzymes in protein chemistry

PROTEASES AND PEPTIDASES, PRONASE

- ** PO1AM-09001-10 0044 Biochemistry and immunology of blood diseases - Proteolytic enzymes from pronase
 RO1AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
 ** RO1AM-17554-01 0007 The IgA of globulins of serum and external secretions - H chain disease
 RO1AM-17571-01 Molecular mechanism of active transport
 PO1CA-12800-03 0005 Immune functions and cancer - Lymphoid cell surfaces (human, mice, rabbits)
 PO2CA-13148-03 0065 Pilot cancer center - Disaggregation of human solid tumors
 RO1GM-19507-03 Application of immobilized enzymes in protein chemistry
 RO1GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
 PO1HD-00669-15 0011 Interdisciplinary program of research in aging - Connective tissue aging (human, cattle)
 RO1HD-07082-02 Changes in cell surface properties in gastrulation (frogs)
 ** RO1NS-08951-06 Permeability mechanisms in excitable membranes (squid)

- RO1NS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)

PROTEASES AND PEPTIDASES, RENNIN

- RO1AM-16258-02 Mechanism of eccrine sweat gland function (human, cats, monkeys)
 P11GM-14270-08 0050 Human drug metabolism and toxicology - Renal physiology and pharmacology-Propranolol (human)
 P11GM-14270-08 0051 Human drug metabolism and toxicology - Renal physiology and pharmacology-Blood flow (human)
 P11GM-14270-08 0053 Human drug metabolism and toxicology - Renal physiology and pharmacology-Propranolol and blood flow (animals)
 P11GM-15431-08 0046 Research center for clinical pharmacology and drug toxicology - Prostaglandins production in the kidney and egress to urine (dogs, human)
 PO1GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)
 P11GM-20387-02 0005 Multidisciplinary research program in pharmacology-toxicology - Pharmacological activity of metabolites of beta-blocking drugs (mammals, human)
 ** P17HL-14159-04 0017 Specialized center of research in hypertension - Renin-angiotensin system in man
 P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)

PROTEASES AND PEPTIDASES, THERMOLYSIN

- ** PO1GM-15003-13 0002 The biological functions of metals - Neutral proteases (Bacilli)
 ** PO1GM-15423-07 0016 Molecular basis of control mechanisms - Thermolysin
 ** PO1GM-15423-07 0029 Molecular basis of control mechanisms - Thermolysin-Conformation and activity
 ** PO1GM-15423-07 0030 Molecular basis of control mechanisms - Thermolysin-Metal substitution and thermal stability
 PO1GM-15731-06 0001 Proteolytic enzymes-Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
 PO1GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
 ** RO1GM-20066-02 Refinement of the 3D structure of thermolysin (bacteria)
 RO1HL-11963-06 Biochemistry of blood vessel formation and disease (swine)

PROTEASES AND PEPTIDASES, TRASYLOL

- RO1AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
 PO1GM-18470-03 0009 Trauma center - Intravascular coagulation and morbidity following trauma (dogs, human)
 RO1HL-14692-03 Alpha 1 antitrypsin deficiency and pulmonary disease (human)
 RO1HL-16320-02 0005 Vasoactive peptides which stimulate smooth muscles - Coupling enzymes with water-insoluble carriers

PROTEASES AND PEPTIDASES, TRYPSIN

- RO1AM-04683-14 Proteolytic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)
 RO1AM-05299-13 Enzyme modification with bifunctional inhibitors (human)
 PO2AM-05630-12 0007 Metabolic unit for the Department of Medicine - Pancreatic function in pernicious anemia
 RO1AM-13686-06 Inhibitors of proteolytic enzymes (plants, human, animals)
 RO1AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
 RO1AM-14018-05 Fibrinolytic events in human tissues and cells in culture
 PO1AM-15515-03 0002 Psoriasis biology, psoriasis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
 RO1AM-16049-01 Role of enzymes in cholecystitis and cholelithiasis (rabbits)
 P17AM-17026-01 0017 Vanderbilt University Diabetes-Endocrinology Center - Characterization of the insulin receptor of fat cells
 RO1AM-17194-02 Proteolytic mechanisms in human colon contents
 RO1AM-18104-01 Insulin mode of action in toad skins
 PO2CA-05826-13 0057 Clinical cancer research center - Enzyme treated bovine growth hormone
 PO1CA-12800-03 0005 Immune functions and cancer - Lymphoid cell surfaces (human, mice, rabbits)
 PO2CA-13148-03 0065 Pilot cancer center - Disaggregation of human solid tumors
 RO1CA-13992-02 0008 Surface membranes of normal and cancer cells - Sialic acid from glycolipids (L cells)
 RO1CA-14609-02 Adhesion of normal and malignant mammalian cells (hamsters)
 RO1CA-14828-01 0003 Molecular mechanisms in carcinogenesis - Membrane properties of normal and malignant cells
 NO1CB-43975-00 Early diagnosis of pancreatic cancer, prior to the presence of metastases (human)

- RO1GM-04584-17 Specificity and reactivity of hydrolytic enzymes
 RO1GM-07768-14 Enzymatic activation mechanisms (E coli)
 RO1GM-10451-11 Kinetic analysis of enzyme catalysis
 RO1GM-14825-08 Conformation of tRNA and model oligonucleotides
 ** PO1GM-15731-06 0001 Proteolytic enzymes-Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
 PO1GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
 ** RO1GM-16424-06 Enzyme systems using nuclear magnetic resonance
 PO1GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
 RO1GM-17849-03 Specific synthetic inhibitors of proteases (virus, cattle, human)
 RO1GM-18466-04 Solvent accessibility in proteins (bacteria, mammals)
 RO1GM-19322-03 Release of injurious constituents from cells (rabbits, human)
 ** RO1GM-19364-03 Spin-label investigation of enzyme conformation
 PO1GM-19521-03 0002 Genetic study of mammalian control systems - Properties of single lysosomes and membrane fragments (mice, human)
 RO1GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
 M RO1GM-19984-02 Structure and function of proteins at molecular level
 ** RO1GM-19984-02 0003 Structure and function of proteins at molecular level - Trypsin (cattle)
 RO1GM-20117-11 Fast photosensitized reactions of aromatic compounds (human)
 RO1GM-20366-01 Substrate induced irreversible inhibition of enzymes (ungulates, yeast)
 RO1GM-20523-01 Cyclic AMP and control of division in mammalian cells (tissue culture)
 RO1GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
 RO1GM-20946-01 Nonimmunogenic enzymes for therapeutic use (mammals, fungi, bacteria)
 ** RO1HD-03752-05 0016 Mammalian reproduction - Localization of trypsin in rabbit corpora lutea
 RO1HD-07082-02 Changes in cell surface properties in gastrulation (frogs)
 RO1HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
 RO1HL-11857-07 Mechanism of blood coagulation (human, cattle)
 RO1HL-12759-05 Fibrin formation-Molecular basis and regulation (human, cattle)
 RO1HL-12787-05 Surface properties of blood elements (human)
 RO1HL-14657-03 Chemical events occurring in prothrombin activation (human)
 RO1HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
 RO1HL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)
 ** RO1HL-16166-01 Structure of anti-trypsin in relation to emphysema
 RO1HL-16320-02 0001 Vasoactive peptides which stimulate smooth muscles - Evolution of plasma kinin system (animals)
 RO1HL-16320-02 0005 Vasoactive peptides which stimulate smooth muscles - Coupling enzymes with water-insoluble carriers
 RO1HL-16355-01 Reactions of thrombin and collagen with platelets
 NO1HR-12218-04 Study proteinase inhibitor phenotypes (human)
 RO1NS-08059-07 Cyclic phosphodiesterase of central nervous system (human, ferret)
 RO1NS-09646-04 Post synaptic proteins at neuromuscular junction (rats)
 MO1RR-00040-14 0005 General clinical research center - Role of pancreas in vitamin B12 absorption (human)
 ** MO1RR-00050-13 0055 Wilson's disease - Aerosolized trypsin in pulmonary proteinosis (human)

PROTEASES AND PEPTIDASES, TRYPSINOGEN

- PO1GM-15731-06 0001 Proteolytic enzymes-Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
 PO1GM-15731-06 0003 Proteolytic enzymes-Diversity, function, homology - Biological events initiated by proteases (cattle, plants, aquatic animals)
 ** RO1GM-19984-02 0003 Structure and function of proteins at molecular level - Trypsin (cattle)
 PO1HD-02147-08 0003 Extracellular growth and development - Pancreas (mice, rats)
 RO1HL-03906-16 Thrombokinase of the blood and fibrinolysis (cattle)
 RO1HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)

PROTECTED ENVIRONMENT FOR REDUCTION OF HAZARDS FROM INFECTION

SEE COMMUNICABLE DISEASE CONTROL, LIFE ISLAND

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PROTECTIVE GROUPS (CHEMISTRY)

SEE CHEMICAL REACTION SITES, PROTECTIVE GROUPS

PROTEIN BINDING

SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)

SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES

SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS

SEE ALSO HALOPROTEINS, PROTEIN BOUND IODINE

SEE ALSO PROTEIN BOUND AMINO ACIDS

SEE ALSO PROTEINS, ACYL CARRIER TYPE

SEE ALSO PROTEINS, Y PROTEIN

SEE ALSO PROTEINS, Z PROTEIN

- R03AA-00092-01 Aldehyde binding-Distribution and specificity (mammals nonhuman)
- R01AI-04788-12 Lipids of algae and microorganisms
- R01AI-08572-07 Transfection of E coli and its applications (bacteriophage)
- R01AI-10238-04 DNA metabolism in virus infected bacteria (T7 phage, E coli)
- R01AI-12450-01 0001 Cyclic nucleotides in immunity - Lymphocyte activation (human, rats, mice)
- R01AM-00002-28 0012 Metabolic and hereditary disorders - Mechanism of action of penicillin
- R01AM-02019-17 Mechanism of bile pigment excretion (human, rats)
- R01AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)
- ** P02AM-04501-13 0024 Metabolic disease research center - Intercellular lipid transport
- ** R01AM-04683-14 Protozoic enzymes, binding proteins and pancreatitis (human, mammals, nonhuman)
- R01AM-05968-14 Lipid metabolism (human, rats)
- ** R01AM-06045-11 Kinetics of B12, intrinsic factor, and other proteins (human, guinea pigs)
- ** R01AM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
- ** R01AM-09765-09 0005 Regulatory processes in biological systems - Chemotaxis and neurobiology (bacteria)
- ** R01AM-10171-09 Protein-carbohydrate interaction (rabbits, mice)
- R01AM-11194-07 Biochemical components of a transport system (bacteria)
- R01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- R01AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
- R01AM-15056-04 Iron-binding proteins and control of iron metabolism (human, rabbits, hagfish)
- R01AM-15057-04 Flavin-protein interactions in flavoenzyme catalysis (bacteria)
- R01AM-15235-04 Mechanism of action of insulin (rats)
- ** R01AM-15355-04 Synthesis and function of calcium binding protein (chick embryo)
- R01AM-15364-04 Nutritional regulation of protein metabolism (rats)
- ** R01AM-16363-01 Liver plasma binding of serum glycoproteins
- R01AM-16366-01 Binding sites on the mitochondrial ATPase (cattle)
- R01AM-16445-01 Active sites of contractile proteins
- R01AM-16497-02 0028 Normal and disordered thyroid hormone economy - Chronic iodide administration in patients with cystic fibrosis
- R01AM-16554-02 Pantothenic acid and/or pantotheine binding protein
- R01AM-16577-02 Mammalian iron metabolism (human, rats, rabbits)
- ** R01AM-16668-02 Structure and function of B12 binding protein (human, guinea pig and swine)
- R01AM-16690-02 Folic acid binding protein and folate metabolism (human)
- ** R01AM-16716-01 0016 Pathophysiological bases of muscle diseases - Phosphate binding sites of muscle glycolytic enzymes (rabbits)
- R01AM-16821-01 Biochemical studies of red cell membranes (human)
- R01AM-16914-01 Red cell cation transport and contractile function (human)
- ** R01AM-16947-01 Lanthanide ions as spectroscopic rulers in Con A
- P17AM-17042-01 0006 Diabetes endocrinology research center - Insulin action and glucose membrane transport mechanism (human)
- ** R01AM-17062-01 Regulation of muscular contraction-A comparative study
- R01AM-17215-01 Proteoglycans in aging and osteoarthritic cartilage (human, dogs)
- R01AM-17495-01 Probes of thiamine pyrophosphate, Mg(II) enzymes
- ** R01AM-17533-01 Melanoporphylin-Heme protein model relationships
- ** P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
- ** P17AM-17702-01 0002 Hepatitis cirrhosis center - Structure of Y and Z proteins and their complexes with organic ions (human, rats)
- ** R01AM-18087-01 Effect of guanidine derivatives on biological systems (mammals)
- P01CA-02332-20 0037 Clinical and laboratory studies of normal and abnormal growth - Molecular aspects of cancer chemotherapy
- P02CA-07177-11 0005 Clinical cancer research center - Analysis for estrogen binding protein in breast tumors (human)
- P02CA-07177-11 0008 Clinical cancer research center - Steroid metabolism in normal and malignant target tissues (swine, human)
- P01CA-07368-11 0018 Interrelationships of normal and cancer cells - Boron slow neutron therapy-preclinical (human, laboratory animals)
- R01CA-08759-08 Structure and biologic function of glycoproteins (human)
- ** P01CA-10748-07 0009 Cancer chemotherapy program - Interaction of radioactive estrogens, androgens and progestins (mice, human)
- P01CA-10815-06 0014 Consolidated basic cancer research program - Techniques to enrich or deplete lymphocyte populations (laboratory animals)
- R01CA-10977-10 ESR studies of biological free radical mechanisms (rodents)
- ** R01CA-11322-06 Nucleic acid function in relation to cancer (E coli, animals)
- ** P01CA-12174-04 0003 Growth and cell control processes - DNA binding proteins in mammalian cells
- R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
- R01CA-12563-04 Mechanisms of enzyme induction by cyclic nucleotides (rats)
- R01CA-12693-03 Modification of x-ray induced damages in phase T4
- ** P01CA-12708-03 0011 Studies of normal and malignant growth - Free and membrane-bound ribosomes in animal cells
- R01CA-12784-03 Circular DNA-Implications for cancer and drug resistance
- P02CA-12924-03 0030 Tufts cancer research center - Somatic cell genetics (tissue culture)
- P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
- P01CA-14089-01 0003 Pilot multidisciplinary cancer research program - Transport of nucleosides in mammalian cells
- R26CA-14136-02 Cytopathology of urinary bladder carcinoma (human)
- R01CA-14551-02 Penetration of macromolecules into mammalian cells
- P01CA-14599-01 0011 University of Chicago Cancer Research Center - DNA metabolism and DNA binding proteins of yeast meiosis
- P01CA-14599-01 0015 University of Chicago Cancer Research Center - Role of insulin in biochemical regulation (rats)
- P01CA-14599-01 0017 University of Chicago Cancer Research Center - Proteins of 40S and 60S subparticles of eukaryotic liver ribosomes (rats)
- R01CA-15114-01 Plasma membrane of normal and cancer cells
- P02CA-15145-01 0050 Cancer center support grant - Studies on DNA membrane receptor complex (bacteria)
- R26CA-15261-02 Enzymatic tests for carcinoembryonic antigen (human)
- R01CA-15365-01 Surface changes in virus transformed cells (SV40, viruses, monkey, Hela cells)
- R10CA-15584-01 Southeastern Cancer Study Group
- ** P01CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)
- P01CA-15655-01 0014 Cancer center support grant - Interaction of aggregation factor with cell surface (sponge)
- ** P01CA-15655-01 0021 Cancer center support grant - Visualization of regulatory proteins bound to DNA (E coli)
- M P01CA-15823-01 Program in developmental biology of cancer
- P01CA-15823-01 0009 Program in developmental biology of cancer - Membrane changes in neoplastic transformation (hamsters)
- R01CA-15926-01 Immune reagents for tumor research and immunotherapy (mice)
- R01CA-15997-01 Spin-labeling receptors on normal and malignant cells
- ** R01CA-16032-01 Binding site mutants of mouse plasmacytomas
- ** R01CA-16054-01 NMR studies of saccharide binding to concanavalin A
- P01CA-16228-01 0002 Cell membrane in proliferation and oncogenesis - Glycosylated macromolecules and cell proliferation (mice)
- ** P01CA-16359-01 0017 Cancer center support grant - Estrogen binding proteins
- M01CP-43241-00 Virus-induced tumor specific transplantation antigens (mice)
- ** M01CP-43270-00 Non-histone DNA binding proteins (rats)
- R01DE-02103-10 0018 Inductive substrates for tooth and bone formation - Isolation of components of bone morphogenic systems (animals, human)
- P01ES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)
- P01ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
- P01ES-00454-06 0008 Biological effects of environmental agents - Phthalate ester plasticizers (human, laboratory animals)
- R01ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)
- R01EY-00343-09 Retinal metabolism (rats, cattle, cats, frogs, human)
- R01EY-00704-04 Biochemical and biophysical investigation of rhodopsin
- R01GM-05919-16 0014 Enzymatic activities of mitochondria - Purification of calcium-transport and-binding proteins
- R01GM-07830-14 Influence of a mutant gene on riboflavin metabolism (chickens)
- R01GM-10067-12 Gene-enzyme relationships in Neurospora (also chickens, sea urchins, bacteria)
- R01GM-11738-10 Primary structure of ribosomes (E coli, A vinelandi, B stearothermophilus)
- R01GM-11895-11 The mechanism of gene activation during development (microorganisms)
- ** R01GM-12589-10 Structure and reactions of nucleic acids (E coli)
- P01GM-12847-10 0025 Molecular biology of membrane systems - Energy coupling in mitochondria and other bioenergetics systems
- R01GM-14398-08 Control of the replication of bacterial episomes (also yeast)
- R01GM-15225-07 Structural analysis of biological macromolecules (bacteria, phages, yeast)
- ** P01GM-15423-07 0057 Molecular basis of control mechanisms - DNA-protein interactions
- R01GM-15539-07 Reactions of physiological importance
- P01GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- ** P01GM-16593-06 0005 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on aggregation-disaggregation phenomenon of enzymes
- ** P01GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
- R01GM-16648-06 Cell-free systems for the study of gene regulation (E coli)
- R01GM-17850-05 Optical properties of biological macromolecules
- R01GM-17924-04 Ribosome structure and function (E coli)
- R01GM-18098-04 NMR study of the lac-repressor protein (E coli)
- R01GM-18292-04 X-ray study of enzyme-small molecular interactions
- R01GM-18405-04 0003 Regulation and mechanism of cell surface synthesis - Cell recognition in embryonic cells (chick embryo)
- R01GM-18698-03 NMR studies of membrane transport and components (bacteria)
- R01GM-18966-03 Mapping marker chromosomes with quinacrine mustard (human)
- P01GM-19100-03 0018 Genetics research center - Developmental genetics (Caulobacter crescentus)
- R01GM-19363-10 Studies of cellular regulatory mechanisms (Drosophila)
- R01GM-19412-03 Basis of specificity in protein-nucleic acid interaction (E coli)
- P01GM-19527-03 0005 Human genetics - Control of specific gene expression (rodents, human)
- R01GM-19620-02 Vitamin transport (chickens)
- R01GM-19667-02 Biochemical studies of mitosis using Xenopus eggs
- R01GM-19839-02 Genetic and biochemical study of a multienzyme complex (bacteria)
- R01GM-20050-01 Hemoprotein-drug interactions-Role in metabolism (rat, human)
- R01GM-20211-02 Protein/membrane function during sugar transport (S. aureus)
- R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
- ** P01GM-20832-01 0004 Genetic research project - Genetic polymorphism and variants of binding proteins in blood (human)
- P11GM-20852-01 0006 Clinical pharmacokinetics and biopharmaceutics - Kinetics of drug action-Anticoagulants (rats, human)
- P11GM-20852-01 0009 Clinical pharmacokinetics and biopharmaceutics - Physiologically based pharmacokinetic models
- R01GM-20883-01 Crystal structure of human serum albumin
- R01GM-20885-01 Radiographic visualization of liver and spleen (human, rats, dogs)
- ** P01GM-20927-01 0010 Sequence structure of eukaryotic genome - Repetitive sequences and chromosomal proteins (Drosophila)
- R01GM-21091-01 cAMP stimulated protein kinase-Mechanism and control (rats, cattle)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-21121-01 Protein-DNA interactions in human chromosomes
- R01GM-21271-01 The molecular organization of eucaryotic chromosomes (cattle, *Drosophila*)
- R01GM-21352-01 RNA conformation and protein-RNA recognition
- R01GM-21363-01 0002 Chemical studies of enzymes and proteins - Transferins (human)
- ** R01GM-21380-01 Molecular basis for protein-nucleic acid interactions (bacteria)
- M01HB-42982-03 Interaction of natural and modified collagen with platelets
- R01HD-00462-19 Physiology of the placenta (human)
- ** R01HD-01689-09 Biogenesis of intracellular membranes (rats, algae, bacteria)
- P01HD-01799-09 0028 Mental retardation research center - Developmental hepatic physiology and bilirubin encephalopathy (monkeys, human)
- P01HD-01799-09 0034 Mental retardation research center - Human cytogenetics and biochemical genetics
- ** R01HD-03637-07 Aging and DNA-in vitro studies (mice, rats)
- ** R01HD-03783-06 0002 Pathogenesis of neonatal physiologic jaundice - Plasma protein binding of bilirubin and hemiterus (monkeys, rats)
- R01HD-04004-06 0005 Programmed senescence in cultured human cells - Synthesis of DNA binding proteins as a function of in vitro age
- R01HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
- R01HD-04466-05 Development of male reproductive function (humans, primates, rodents)
- P01HD-05077-05 0012 Reproductive biochemistry and medicine - Receptor proteins binding estradiol and progesterone (sheep)
- ** R01HD-05333-04 Mechanism of bilirubin toxicity (cats, cattle)
- ** P01HD-05342-04 0014 Mental retardation and brain development - Isolation of a calcium-binding protein from brain (swine, goats, electric fish)
- R01HD-05384-03 Nutritional aspects of purine metabolism (rats)
- P01HD-05874-04 0003 Biochemical regulation of aging processes - Hormone binding macromolecules during development and aging (rats, human)
- R01HD-05932-02 Transport, measurement and clinical use of plasma estriol (human)
- ** R01HD-06045-03 Inter-relationship between retinal and male gonads (rats)
- R01HD-06415-03 Cytology of placental function (human, mammals)
- R01HD-06461-03 Developmental defects in *Drosophila* mutants
- R01HD-06855-02 Mechanisms of growth control in mammalian cells (cattle, rodents)
- P01HD-07173-02 0001 Structure and function of aging human fibroblasts - Composition, immunology, enzymes and transport in cell membranes (WI 38)
- P01HD-07495-02 0003 Center for population research, studies in reproductive biology - Receptors during embryogenesis, differentiation of reproductive tissues (chicken)
- R01HD-08034-01 Reproductive function and gonadal steroid dynamics (human, monkeys)
- R01HD-08270-01 Spermiogenesis-Analysis of nuclear protein (rodents, lagomorphs, monkeys, human)
- R01HD-08341-01 Pretranscriptional control of development (tadpoles)
- R01HD-08949-01 Prostaglandin-protein interactions and human reproduction
- M01HD-22725-04 Contraceptive steroids in beagles
- R01HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
- ** R01HL-08476-11 Binding of proteins to lipids and lipid hormones
- R01HL-09070-10 Subcellular platelet particles (human)
- ** R01HL-10487-08 Biochemical genetics of human serum haptoglobins (primates)
- P01HL-12157-07 0033 Functions and mechanisms of cell membrane ion transport - Immunological aspects of active Na-K transport in sheep red cells
- ** R01HL-12443-03 Amino acid and protein metabolism in human platelets
- R01HL-13870-04 Control of myocardial sarcotubular calcium stores (dogs)
- R01HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
- P17HL-14159-04 0016 Specialized center of research in hypertension - Assay of beta-adrenergic and glucagon receptors in hypertension (rodents)
- ** P17HL-14194-04 0003 Pathophysiology of atherosclerosis - Isolation of lipid-binding fragments of apo LP-glutaminell from human HDL
- P17HL-14194-04 0004 Pathophysiology of atherosclerosis - Isolation of cyanogen bromide fragments of apo LP-glutamine-I from human HDL
- ** P17HL-14194-04 0006 Pathophysiology of atherosclerosis - Lipid binding between apo LP-alanine and phosphatidyl choline (human)
- ** P17HL-14194-04 0007 Pathophysiology of atherosclerosis - Lipid-APO lipoprotein interaction, peptide synthesis
- P17HL-14194-04 0011 Pathophysiology of atherosclerosis - Lipid-APO lipoprotein interaction-Density gradient ultracentrifugation (human)
- P17HL-14194-04 0014 Pathophysiology of atherosclerosis - Fluorescence studies of lipid-protein interactions
- ** P17HL-14197-04 0003 Center of research on arteriosclerosis - Lipoprotein structure and function (human, cattle, swine)
- P17HL-14197-04 0004 Center of research on arteriosclerosis - Aortic wall metabolism and experimental atherosclerosis (dogs, swine)
- R01HL-15048-02 Contractile system of human blood platelets (and rabbits)
- R01HL-15698-08 Factors affecting the action of anticoagulants (rats, human)
- R01HL-15793-02 Molecular aspects of erythrocyte membrane resealing (animals)
- P18HL-15999-02 0014 Miami comprehensive sickle cell center - Biochemical and morphological parameters of sickle cells (human)
- ** P18HL-16005-01 0015 Comprehensive sickle cell center of the University of Chicago - Hemoglobin S aggregation (human)
- R01HL-16101-01 Protein-lipid interaction (bacteria)
- R01HL-16394-01 Estrogens and the fluid retention of heart failure (human, dogs)
- R01HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)
- R01HL-16608-01 Cardiac creatine kinase-Properties and localization (cattle)
- R01HL-16646-01 Infections and coagulation-Cellular and humoral factors (human)
- R01HL-16841-01 The interaction of blood platelet membrane and fibrin (rabbits, chickens)
- ** R01HM-03372-15 0044 Neural mechanisms in behavior - Interaction between protein S 100 and neuroblastoma in culture
- R01NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
- R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- ** P01NS-03360-14 0045 Neurological clinical research center-Epilepsy - Clinical pharmacology-Protein binding of antiepileptic drugs (human)
- R01NS-05270-11 Fractionation of brain proteins (cattle, rabbits, octopus)
- R01NS-05631-08 Biochemistry of isolated synaptic complexes (monkeys)
- ** R01NS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
- R01NS-09564-01 Orientation and motion of membrane proteins (electric fish, *E. coli*)
- ** R01NS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
- R01NS-10709-01 GTP and tubulin structure (sheep)
- R01NS-10711-02 Genetic study of metabolism of neural transmitters (human, mice)
- R01NS-10837-01 Model studies of myelin stability
- R01NS-11237-02 Brain development in normal and mutants (mice)
- R01NS-11252-01 Function of a brain calcium-binding protein (rats, mice)
- ** R01NS-11652-01 Calcium-binding protein in nervous tissue (pigs, rats)
- R01NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
- ** P01NS-11766-01 0007 Clinical research center for neuromuscular disease - Protein components in excitable membrane fragments (electric eel, mammals)
- R01NS-11773-01 Regulation of glycolysis in brain (rats)
- ** M01RR-00287-08 0059 General clinical research center - Protein binding in uremia (human)
- ** P07RR-00636-02 0016 Special resource for NMR studies in biomolecules - Factors involved in heavy metal poisoning (horse)
- M01RR-00645-03 0021 Clinical research center - Plasma retinol-binding protein in hepatic and renal disease (human)
- M01RR-00828-01 0008 General clinical research center - Pharmacokinetics of drugs in abnormal levels of plasma proteins (human)
- M01RR-00847-01 0008 Clinical research centers - Steroid therapy in man
- PROTEIN BOUND AMINO ACIDS**
- R01AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
- ** R01GM-11024-11 Characterization of membrane transport components (bacteria, animals)
- P01MH-23861-02 0034 Biogenic amines and behavior - Tryptophan metabolism in normal humans
- PROTEIN BOUND CARBOHYDRATES**
- SEE CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
- PROTEIN BOUND INSULIN**
- SEE PANCREAS HORMONES, INSULIN, PROTEIN BOUND INSULIN
- PROTEIN BOUND IODINE**
- SEE HALOPROTEINS, PROTEIN BOUND IODINE
- PROTEIN DEFICIENCY**
- SEE NUTRITIONAL ABNORMALITIES, PROTEIN DEFICIENCY
- PROTEIN KINASE**
- SEE PHOSPHOTRANSFERASES, ATP-PROTEIN PHOSPHOTRANSFERASE
- PROTEIN-LOSING ENTEROPATHIES**
- SEE GASTROINTESTINAL DISORDERS, PROTEIN-LOSING ENTEROPATHIES
- PROTEIN-POLYSACCHARIDE COMPLEXES**
- SEE PROTEOGLYCANS
- PROTEIN STRUCTURE**
- SEE PROTEINS-PEPTIDES STRUCTURE
- PROTEINOSIS**
- SEE PROTEINS METABOLISM DISORDERS, PROTEINOSIS
- PROTEINS**
- SEE ALSO ALBUMINOIDS
- SEE ALSO ALBUMINS
- SEE ALSO AZOPROTEINS
- SEE ALSO BLOOD PROTEINS
- SEE ALSO EGG PROTEINS
- SEE ALSO EYE, LENS PROTEINS
- SEE ALSO FIBROUS PROTEINS
- SEE ALSO FLAGELLINS
- SEE ALSO GLOBINS
- SEE ALSO GLOBULAR PROTEINS
- SEE ALSO GLOBULINS
- SEE ALSO GLYCOPROTEINS
- SEE ALSO HALOPROTEINS
- SEE ALSO IDOOPROTEINS
- SEE ALSO IMMUNOLOGY, ACUTE PHASE PROTEINS
- SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, M PROTEIN
- SEE ALSO LIPOPROTEINS
- SEE ALSO METALLOPROTEINS
- SEE ALSO MUSCLE PROTEINS
- SEE ALSO NERVE PROTEINS, NEURIN, NEUROSTENIN AND STEMIN
- SEE ALSO NUCLEIC ACIDS, MRNA
- SEE ALSO NUCLEOPROTEINS
- SEE ALSO NUTRITION, DIETARY PROTEINS
- SEE ALSO PEPTIDES
- SEE ALSO PHOSPHOPROTEINS
- SEE ALSO PHYCOBLINS
- SEE ALSO PROTEIN BOUND AMINO ACIDS
- SEE ALSO PROTEOGLYCANS
- SEE ALSO PROTEOLIPIDS
- R01AA-00312-03 0004 Acute and chronic gastric mucosal injury due to alcohol - Abnormalities in gastric secretion preceding alcoholic injury (guinea pigs, rat)
- R01AI-00634-21 Chemistry of virus mutation
- ** R01AI-03242-13 0002 Genetics, structure, and function of bacterial pili - Sex pilus properties (bacteria)
- R01AI-03242-13 0004 Genetics, structure, and function of bacterial pili - Adsorption, eclipse, and penetration of pili phages (bacteria)
- R01AI-09044-06 Phi X 174 coat proteins
- R01AI-09416-05 Modes of action of bactericidal cationic proteins (guinea pigs, rabbits)
- R01AI-09504-05 Mechanisms of leukocyte bactericidal activity (human)
- ** R01AI-10019-04 Rex, a lambda gene not subject to cl repression (bacteriophage)
- R01AI-10245-03 Host interactions with membrane transport in trypanosomes (mice, guinea pigs)
- R01AI-10361-04 Nucleotide sequences in viral RNA
- R01AI-10622-03 Modification of host resistance-Antifungal survey (mice, rats)
- R01AI-10646-03 Antibiotic resistance in *Neisseria gonorrhoeae*
- R01AI-10829-03 Properties of mycoviruses-Interferon inducers
- R01AI-11219-02 Structure of a small spherical virus
- R01AI-11241-02 Biochemical tissue necrosis by *Clostridium histolyticum* (mice, rabbits)
- R01AI-11346-02 Regulation of gene expression (bacteria)
- R01AI-11462-01 Comparative immunology of related *Moraxella* proteins
- R01AI-11513-01 The mechanism of virus induced cell fusion
- P01AI-11851-01 0006 Biology and biochemistry of lymphocyte surface - Lymphocyte membrane and Ig interaction (mice, human)
- R01AI-12053-01 Mechanisms of viral eclipse and assembly
- R01AI-12089-01 The selection of picornavirus-assistant cells
- ** R01AM-04256-14 Energy transfer in biological systems (virus, rats, human)
- R01AM-04576-14 Protein interactions and biological function (rabbits, rats, human)
- R01AM-05507-13 Gene action, enzyme, nucleotide, carbohydrate patterns (bacteria, yeast)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- PO1AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- RO1AM-09602-07 Amphibian metamorphosis and L-tyrosine metabolism (rats, calves, human)
- RO1AM-10919-08 Micropercutaneous study of renal protein transport (rats)
- RO1AM-11674-08 0007 Bone metabolism in chronic disorders - Human intestinal calcium-binding proteins
- RO1AM-12121-07 Active transport of amino acids (bacteria)
- RO1AM-12653-06 Transport of vitamin B12 (microorganisms)
- RO1AM-13252-05 Role of nutrition in regulation of food intake (rats)
- RO1AM-13307-06 Carbohydrate metabolism in uremia (human, rats)
- RO1AM-13774-05 Glucose-insulin interactions with cell membranes (rats)
- RO1AM-13921-14 0005 Structure and organization of collagen fibers - Interaction of collagen with acidic proteins and proteoglycans (cattle)
- ** RO1AM-14241-04 Renal handling of proteins-Renin release (rats)
- RO1AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
- RO1AM-14388-05 Ciliary action related to cystic fibrosis (human)
- RO1AM-14415-03 Intracellular function of cyclic 3 5 AMP (bovine tissues)
- RO1AM-14991-03 The excretion of uric acid (birds)
- RO1AM-15527-03 Lipid transport (E coli)
- RO1AM-15552-03 Model for chondrogenic and osteogenic studies (deer)
- ** RO1AM-15556-03 Uterine estrogen receptor affinity labeling
- RO1AM-15660-03 Renal control of the excretion of urea (rats, gerbils)
- ** RO1AM-15857-03 Acetylated proteins in muscular dystrophy (mice, rabbits, chickens)
- RO1AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
- RO1AM-16244-07 Renal lymph and renal function (dogs)
- PO1AM-16281-02 0016 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum (rats, dogs)
- ** PO1AM-16281-02 0018 Uremia-pathogenesis, effects, and possible prevention - Studies of Y protein in the kidney (rats)
- ** RO1AM-16408-01 Calcium binding protein of kidney (rats)
- ** RO1AM-16582-02 Lanthanide ions as probes of protein structure
- RO1AM-16735-01 Tritiated peptides/proteins in endocrine biochemistry
- RO1AM-16821-01 Biochemical studies of red cell membranes (human)
- RO1AM-16829-02 Regulation of steroid formation
- RO1AM-16841-01 Duodenal calcium binding protein-Actions and control (rats)
- ** RO1AM-17489-01 Fatty acid synthesis-Chain length modifier protein (rats)
- RO1AM-70726-10 Screening of rice varieties
- RO1CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
- RO1CA-06663-13 Mechanisms of control of mammalian cell multiplication (rats)
- ** PO2CA-08480-09 0005 Childhood cancer research center - Cell membranes of neoplastic cell (human)
- ** RO1CA-08723-06 Polarographic kinetic protein waves (bovine serum)
- PO1CA-08748-09 5709 Research program of Sloan-Kettering Institute - Ribosomal proteins
- ** PO1CA-08748-09 6203 Research program of Sloan-Kettering Institute - Analysis of plasma and urine in Hodgkin's disease
- PO1CA-08748-09 7408 Research program of Sloan-Kettering Institute - Synthesis of dihydrofolate reductase in antifolate-resistant cells
- RO1CA-10337-08 0006 Spin labeling and membrane structure - Structure of cytochrome oxidase-phospholipid membrane vesicles
- PO2CA-11265-05 0038 General clinical cancer research center - DNA unwinding proteins
- RO1CA-12166-02 Brain tumor micro-chemistry and chemotherapy
- PO1CA-12227-04 0008 Core program in carcinogenesis - Enzymatic induction by corticosteroids (rats)
- ** RO1CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
- RO1CA-12303-03 Structure function relationships in plasma membranes (human)
- RO1CA-12646-03 Abnormal metabolism of cancer patients
- PO1CA-12708-03 0012 Studies of normal and malignant growth - Molecular mechanisms of movement in non-muscle (human tissue culture)
- RO1CA-12853-03 Membranes of leukemic and normal human leukocytes
- ** RO1CA-12903-03 Human uterus receptors and responses to steroids
- RO1CA-13080-03 Comparative carcinogenicity of tritium (mice)
- PO1CA-13106-03 0003 Cold Spring Harbor laboratory cancer research center - Electron microscopy section
- PO1CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
- ** RO1CA-13138-03 Surface proteins of normal and transformed cells (chick embryo)
- RO1CA-13220-03 Membrane biochemistry of neoplastic cells
- PO1CA-13343-02 0005 Environmental cancer - Interactions of carcinogens and cocarcinogens with cell membranes (mammals)
- RO1CA-13608-03 Function of viral genes involved in transformation (rodents)
- ** PO2CA-13943-02 0017 Clinical pharmacology immunology cancer research center - Study of folate-binding protein(s) in milk
- RO1CA-13992-02 0010 Surface membranes of normal and cancer cells - Marine biology (dogfish, sea urchins)
- RO1CA-14551-02 Penetration of macromolecules into mammalian cells
- RO1CA-14832-02 Antitumor complexes
- ** RO1CA-14920-02 Acidic chromatin proteins and carcinogens (rats, chickens)
- RO1CA-14980-01 Polycyclic carcinogen-nucleic acid interactions
- PO2CA-15145-01 0033 Cancer center support grant - Amino acid sequences-Automatic integrated procedures
- RO1CA-15365-01 Surface changes in virus transformed cells (SV40, viruses, monkey, Hela cells)
- ** RO1CA-15544-02 Effect of microtubular proteins on cell surfaces (human)
- RO1CA-15626-01 Protozoans of normal and malignant cartilage (human, animals)
- RO1CA-16425-01 Colchicine derivatives as antitumor agents (mice)
- RO1CA-17049-01 Recognition of tumor cells by T lymphocytes (mice, chickens)
- NO1CB-23862-03 Biochemical mechanism of endocrine induced cancer regression (human, rats)
- NO1CB-23877-04 Purified carcinoembryonic antigen and antisera
- NO1CB-43867-00 Estrogen binding and estrophile proteins in human breast cancer
- NO1CP-33257-03 Viral etiology of human malignancies (monkeys)
- ** NO1CP-43298-00 Regulatory proteins in oncogenic viruses
- RO1DA-00126-03 Cerebrovascular injury in experimental drug abuse (monkeys)
- RO1DA-00323-01 Biochemical effects of perinatal narcotic addiction
- ** RO1DE-02103-10 0018 Inductive substrates for tooth and bone formation - Isolation of components of bone morphogenic systems (animals, human)
- RO1DE-02103-10 0019 Inductive substrates for tooth and bone formation - Species specific properties of bone morphogenic matrix of the mouse
- RO1DE-02103-10 0021 Inductive substrates for tooth and bone formation - Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat)
- RO1DE-02183-10 Chemistry of enamel surface (human)
- P13DE-02600-08 0004 Planning of a research center in oral biology - Control of the formation of cell-specific proteins (rats)
- RO1DE-03191-03 Nutrition and lipids of bone and teeth (rats, cows, rabbits)
- RO1DE-03235-03 Cellular differentiation studies in salivary glands (rabbits, chickens)
- RO1DE-03430-02 Interactions of saliva proteins and bacteria
- ** RO1DE-03470-03 Protein turnover in dental pulp and periodontal tissues (cattle)
- R23DE-03642-02 Composition of fetal dental enamel proteins
- ** RO1DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- RO1DE-03739-02 Taste receptor interactions (rat, cattle, swine)
- RO1DE-03856-01 Fluoride-selenium interaction in dental caries
- PO1ES-00210-07 0016 Center for environmental management - Interaction of pollutant metal ions with proteins
- RO1ES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)
- RO1ES-00700-01 Mechanism of the neurotoxicity of venoms (mice)
- ** RO1EY-00195-17 Response of corneal stroma to injections of proteins (rabbits)
- RO1EY-00344-07 Ocular hypersensitivity (rabbits)
- RO1EY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
- RO1EY-00422-06 Fluorescent derivatives of tyrosine in cataract lens (human, rabbits)
- RO1EY-00599-05 Morphological studies of the visual system (animals)
- RO1EY-00616-03 Diagnosis and etiology of intra-ocular tumor (human, rabbits)
- RO1EY-01177-02 Conformational dynamics of excitable membranes
- RO1EY-01208-01 Development of primate retina and visual thalamus (primates)
- RO1EY-01323-01 Mechanism of visual excitation (cattle)
- R23EY-01368-01 Experimental retinal neovascularization (cats)
- RO1FD-00050-12 Water content and lipid oxidation in dehydrated foods
- RO1FD-00117-09 Hydrophilic colloid interactions in foods
- RO1FD-00433-04 Carbonyl accumulation during browning (rats)
- RO1FD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
- RO1GM-04842-18 Interrelationship between protein structure and function
- ** PO1GM-06965-15 0005 Basic experimental biology - Membrane proteins of E coli
- ** PO1GM-06965-15 0006 Basic experimental biology - Intercellular recognition during aggregation of slime mold
- ** PO1GM-06965-15 0054 Basic experimental biology - Ion exchange chromatography of membrane proteins
- ** PO1GM-06965-15 0057 Basic experimental biology - Refolding of membrane proteins after removing sodium dodecyl sulfate
- RO1GM-08995-13 Genetic control of protein synthesis (Neurospora, yeast)
- PO1GM-10403-12 0001 Biophysical studies on viral structure and function - Polymerization of TMV protein
- PO1GM-10403-12 0005 Biophysical studies on viral structure and function - Effects of calcium ions on polymerization of TMVP
- RO1GM-10692-12 Biophysical studies on macromolecules (E coli, yeasts)
- ** RO1GM-11216-11 Genetic studies of protein differences (Drosophila)
- PO1GM-11301-12 0005 Structure, function and blesynthesis of macromolecules - Protein modifying reactions in vitro (mammals)
- RO1GM-12006-11 Proteins in solutions interfaces and solids
- PO1GM-12847-10 0020 Molecular biology of membrane systems - Fusion of biological membranes
- RO1GM-13191-10 ESR experiments on model photosynthetic systems (bacteria)
- RO1GM-13970-08 Cytoplasmic genetic control systems (algae)
- RO1GM-13980-10 New methods of peptide synthesis
- ** RO1GM-14312-20 Internal bonding in proteins
- RO1GM-14358-08 Physicochemical and genetic studies of DNA function (bacteria, bacteriophage)
- PO1GM-14546-08 0043 Influence of acute illness and injury on energy - 3-Methylhistidine as index of muscle protein catabolism during injury (human)
- ** RO1GM-14927-08 DNA protein interactions in DNA replication control (T4 phage, slime mold)
- P11GM-15190-08 0012 Center for toxicological research and training - Methylmercury and protein synthesis in man
- ** PO1GM-15423-07 0031 Molecular basis of control mechanisms - Molecular weight determination
- ** PO1GM-15423-07 0038 Molecular basis of control mechanisms - Interactions of proteins with DNA
- ** PO1GM-15423-07 0044 Molecular basis of control mechanisms - Sequence and structure in proteins
- PO1GM-15423-07 0056 Molecular basis of control mechanisms - Conformational perturbants
- PO1GM-15428-07 0017 Center for comprehensive clinical study of trauma - Regulation of neutrophil function in experimental animals
- RO1GM-15590-08 Induction and biogenesis of subcellular organelles (bacteria)
- RO1GM-15715-06 Associating systems and enzyme control
- ** PO1GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
- PO1GM-15991-06 0051 Anesthesia research center - Binding of lidocaine in nerves and other tissues (rabbits)
- RO1GM-16066-07 Nucleic acid chemistry and its biomedical application
- RO1GM-16533-17 Genetic information and protein structure and function (fungi)
- RO1GM-16754-06 Fine structure and composition of membranes (bacteria)
- RO1GM-17129-04 Ribosome structure and function (E coli)
- ** RO1GM-17132-05 Biochemical genetics of microtubules (algae)
- RO1GM-17913-04 New methodologies in bioanalytical chemistry
- RO1GM-18311-03 Investigations of membrane transport systems (E coli, rabbits)
- RO1GM-18360-03 Kinetic studies on drug-protein complex formation
- ** RO1GM-18719-03 Solvent and small solutes in tissues and proteins
- RO1GM-18870-02 Biochemistry of genetic recombination (E coli)
- RO1GM-18921-03 Phospholipid-protein interactions and membrane function
- RO1GM-18994-03 Mechanism of chemotaxis in bacteria
- RO1GM-19043-03 Cell division and membrane proteins (bacteria)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1GM-19084-03 Ribonuclease inhibition by inducing agents (rats, mice)
- RO1GM-19098-03 Genetic factors affecting protein-protein recognition (bacteria, human)
- RO1GM-19130-03 Developmental genetics of spermatid differentiation (*Drosophila*)
- RO1GM-19185-03 Genetics of ribosome synthesis and antibiotic resistance
- RO1GM-19217-03 Gene variation in natural populations (*Drosophila*)
- RO1GM-19221-02 Electrophoresis in biomedical system (cattle)
- ** RO1GM-19319-03 Structure of biological membranes (rats, human)
- ** RO1GM-19412-03 Basis of specificity in protein-nucleic acid interaction (*E. coli*)
- RO1GM-19416-03 Genetic control of development (bacteria)
- RO1GM-19484-03 Control of DNA replication in a eukaryote (slime mold)
- ** RO1GM-19507-03 Application of immobilized enzymes in protein chemistry
- ** RO1GM-19643-02 Proteases and protein turnover in bacterial sporulation
- RO1GM-19651-01 Thermometric methods of clinical analysis
- RO1GM-19835-02 Ribosomes of hybrid cells and tumor virus effects (mice, hamsters)
- ** RO1GM-19848-02 Protein variation and selection mechanisms in *E. coli*
- RO1GM-19980-01 Water structure in systems of biological importance
- M RO1GM-19988-14 Physical studies of nucleic acids and proteins
- RO1GM-20066-02 Refinement of the 3D structure of thermolysin (bacteria)
- RO1GM-20102-02 Computer controlled multireflection diffractometer
- RO1GM-20148-01 Biochemistry of membrane assembly and stability (*Tetrahymena*)
- ** RO1GM-20315-02 Reagent for protein sequencing and modification
- RO1GM-20396-02 Organization of normal and transformed cell membranes
- RO1GM-20594-02 Enzymatic modification of carboxyl residues in protein (rats, *E. coli*, human)
- ** RO1GM-20644-01 Formation and function of microtubules
- ** RO1GM-20693-01 Genetics and isolation of a eucaryotic control protein (yeast)
- RO1GM-20910-01 Membrane alterations in behavioral mutants (*Paramecium*)
- ** PO1GM-21054-01 0006 Human genetics center - Salivary proteins
- PO1GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
- ** RO1GM-21121-01 Protein-DNA interactions in human chromosomes
- R13GM-21384-01 Gordon research conference on nuclear proteins-1974
- ** R13GM-21501-01 Proteins Gordon conference
- RO1HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
- RO1HD-00122-10 Comparative biochemistry of proteins (human, animals)
- PO1HD-01799-09 0010 Mental retardation research center - Optic lens development (mammals)
- PO1HD-02274-08 0015 Mental retardation and child development - Ophthalmology (human, primates, rats)
- PO1HD-02274-08 0056 Mental retardation and child development - Mechanisms in primary demyelination (mammals)
- ** PO1HD-02274-08 0078 Mental retardation and child development - Biochemical mechanisms of anesthetic action (mammals)
- ** PO1HD-02274-08 0088 Mental retardation and child development - Structure and function of steroid binding proteins
- PO1HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
- ** PO1HD-03015-08 0005 Program for developmental biology - Molecular mechanisms in meiosis (cattle, human)
- RO1HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
- PO1HD-04612-06 0001 Mental retardation research center - Nutritional factors in deficient brain development
- ** RO1HD-05056-03 Metabolism and protein-binding of radiolabeled vitamin D3 (human, monkeys, rats)
- ** PO1HD-05077-05 0013 Reproductive biochemistry and medicine - Tritium labeled polypeptide and protein hormones (rats, human)
- ** PO1HD-05221-05 0017 Center grant in mental retardation - Androgen inducibility of kidney beta-glucuronidase (mice)
- PO1HD-05797-04 0010 Population and reproductive biology - Interaction of hormone receptors with target cell nuclei (chickens, mammals)
- RO1HD-06020-03 Maturation of mammalian oocytes (mice)
- RO1HD-06207-03 Vasectomy-Ultrastructural and cytochemical effects (dogs, rodents, human)
- PO1HD-06274-03 0006 Reproductive biology - Oviductal and uterine environment (rabbits, monkeys)
- RO1HD-06392-03 Microenvironmental control of myogenesis (chick embryo)
- RO1HD-06415-03 Cytology of placental function (human, mammals)
- ** RO1HD-06532-01 Analysis of mammalian ovarian follicular fluids (swine, rabbits)
- RO1HD-06573-03 Oviduct factors responsible for blastocyst development (rabbits)
- RO1HD-06726-03 Effects of estrogen on human uterine tissue in vitro
- RO1HD-06851-02 Regulation of leaf senescence by plant hormones
- RO1HD-07014-02 Biochemistry of spermatozoan structures (human, rabbits, rodents)
- RO1HD-07340-01 Membranogenesis in crotinism and hyperthyroidism
- PO1HD-07495-02 0019 Center for population research, studies in reproductive biology - Chromatin proteins in growth of reproductive tissues (chickens)
- NO1HD-12133-07 Growth of human trophoblast cells in culture
- ** NO1HD-22710-06 Progesterone-binding proteins to detect antagonists and agonists (rats, rabbits)
- NO1HD-92180-13 Prevention of promaturity and developmental disorders (human)
- RO1HL-01882-20 Analytical and physical chemistry of serum lipoproteins (human)
- RO1HL-02965-18 0002 Metabolism of plasma lipoproteins - Lipid-free apoprotein in rat plasma
- RO1HL-04512-15 Ultrastructural studies of capillary permeability (rats, mice, dogs)
- PO1HL-06285-14 0145 Cardiovascular-respiratory physiology and biochemistry - Pulmonary, pleural and systemic microcirculation (animals)
- PO1HL-06285-14 0213 Cardiovascular-respiratory physiology and biochemistry - Membrane structure and function-Gas vacuole membrane (*Halobacterium*)
- PO1HL-06285-14 0215 Cardiovascular-respiratory physiology and biochemistry - Conformation of biopolymers
- PO1HL-08974-10 0020 Natural and experimental atherosclerosis - Cholesterol, fat and protein in atherosclerosis (baboons)
- ** PO1HL-10098-10 0023 Primates in cardiovascular research - Lipid metabolism
- RO1HL-10878-08 Structure and function of serum lipoproteins (human)
- PO1HL-13330-05 0044 Mechanical circulatory support - Mechanical circulatory assistance (dogs)
- P17HL-14152-04 0011 Pulmonary specialized center of research - Effects of ozone on the properties of the lungs (rabbits)
- P17HL-14217-04 0010 Specialized center of research in thrombosis - The clottable protein of *Limulus polyphemus* blood cells
- ** P17HL-14217-04 0017 Specialized center of research in thrombosis - Structural protein from red cell membranes
- P17HL-14230-04 0062 Lipids, atherosclerosis and thrombosis - Arterial fibrous proteins after atherogenic and regression regimens (monkeys)
- PO1HL-14322-03 0003 Interdisciplinary program in biomaterials science - Thromboresistant materials (mammals)
- ** RO1HL-14521-04 Membrane structure and behavior in erythrocytes (human, cattle)
- ** RO1HL-14590-03 Biologically important transition metal complexes
- RO1HL-14882-02 Interactions of sterols in biological systems (human)
- P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
- P18HL-15157-03 0010 Comprehensive sickle cell disease center - Ultrastructural studies of sickle cell anemia (human)
- P18HL-15165-03 0007 Comprehensive sickle cell disease center - Magnetic resonance studies of sickle cell erythrocytes and hemoglobin (human)
- RO1HL-15680-02 Intestinal secretion-capillary and tissue forces (dogs)
- ** PO1HL-15832-02 0001 Chemical predispositions to lung injury - Chemical composition of lung connective tissue proteins (human)
- PO1HL-16126-01 0002 Atherosclerosis, coagulation and thrombosis - Structural studies of tissue factor isozymes (cattle, human)
- ** PO1HL-16137-01 0002 Alveolar biology - Characterization of the surfactant system-Proteins isolation (human, rabbits)
- PO1HL-16137-01 0003 Alveolar biology - Characterization of the surfactant system-Topology of lung proteins (rabbits)
- PO1HL-16137-01 0009 Alveolar biology - Physico-chemical properties of the surfactant system-Individual components
- PO1HL-16137-01 0010 Alveolar biology - Physico-chemical properties of the surfactant system-Lipid protein systems
- ** PO1HL-16251-01 0012 Membrane-bound enzymes in heart and other tissues - Chemical, physical basis for protein-lipid interactions in microsomal membranes
- RO1HL-16666-01 Micropinocytosis in isolated capillary endothelium
- ** PO1MH-13002-06 0043 Clinical and laboratory studies of affective disorder - Proteins of CNS and affective disorders (human)
- RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- RO1NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)
- PO1NS-03356-14 0009 Neurological clinical research center - Developmental study of CNS myelin (mice)
- PO1NS-03356-14 0032 Neurological clinical research center - Other studies with CNS myelin (rats)
- RO1NS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
- ** RO1NS-05270-11 Fractionation of brain proteins (cattle, rabbits, octopus)
- RO1NS-06985-07 Encephalotonic nature of altered brain preparation (guinea pigs, rats)
- RO1NS-07286-07 UV spectroscopic study of membrane proteins and DNA
- ** RO1NS-08185-06 Cerebral edema with protein markers (mice)
- ** RO1NS-09082-03 Studies of neural proteins (rats)
- RO1NS-09198-04 Radiological studies of cerebrospinal fluid (human, dogs)
- ** RO1NS-09228-02 Isolation of proteins from synaptic membranes (rabbits, cats)
- ** RO1NS-09335-04 Drug interactions with brain microtubule (human, chick embryos)
- ** RO1NS-09654-04 Genetic variants of synaptic proteins (nematoles)
- RO1NS-09808-02 Seizures, ketosis and cerebral metabolism (rats)
- PO1NS-10175-03 0004 Neuromuscular disease research center - Myotonia-lipid, protein and fatty acid composition of SR (rats)
- RO1NS-10237-03 Glial cell membranes and myelin (rodents, rabbits)
- RO1NS-10268-03 Chemistry and physiology of inner ear fluids (human, cats, dogs)
- PO1NS-10299-03 0021 Biophysical and biochemical studies of cellular membranes - Development of rotating anode x-ray generator
- ** RO1NS-10429-03 Microtubule protein in the developing nervous system (chickens)
- RO1NS-10437-03 Assembly of cerebral myelin membranes (rats)
- RO1NS-10582-02 Actin and other filaments in the growing neuron (chickens, rats)
- RO1NS-10681-02 Structural neuroanatomy of myelin (human, fish, earthworm, shrimp, mice)
- RO1NS-10721-02 Immune function in EAE and multiple sclerosis (human, rats)
- PO1NS-10920-02 0003 Development and regeneration in the nervous system - Maturing oligodendrocytes in developing brain (rats)
- RO1NS-11027-01 Cellular interaction in neuronal tissue culture
- RO1NS-11211-02 Neural differentiation-Nerve growth factor proteins (snails, chickens, mice)
- RO1NS-11239-02 Mechanism of neuroplasmic flow (cattle)
- ** PO1NS-11417-01 0013 Core program project in communicative disorders - Mammalian nucleated cell membranes
- ** PO1NS-11631-01 0067 Clinical center for research on Parkinson's and allied diseases - Proteins in the synapses of the rat brain
- ** RO1NS-11632-01 Central nervous system membranes and acidic proteins (human, rats)
- RO1NS-11666-01 Genetics of neuronal growth and development (mice)
- MO1RR-00035-14 0088 General clinical research centers - Mechanism of renal excretion of protein (human)
- PO6RR-00168-13 New England regional primate research center
- MO1RR-00210-10 0013 General clinical research center-Maternal-child - Intravenous alimentation of premature infants (human)
- P07RR-00356-08 Physical sciences instrumentation facility
- P07RR-00542-04 NMR spectrometer facility
- P07RR-00639-01 0001 Interdepartmental NMR facility health center - Polypeptide hormones and conformations of biologically important molecules
- ** P07RR-00639-01 0004 Interdepartmental NMR facility health center - Interactions between protein and lipids of membrane
- P07RR-00757-02 0006 Implementation of laboratory automation system - Dual computer collection of protein x-ray diffraction data
- P07RR-00757-02 0007 Implementation of laboratory automation system - IBM 1800 for processing protein x-ray diffraction data
- P07RR-00757-02 0008 Implementation of laboratory automation system - Protein model coordinate measurement
- P07RR-00757-02 0012 Implementation of laboratory automation system - High speed data acquisition system for protein crystallography
- ** P07RR-00757-02 0021 Implementation of laboratory automation system - Structure and function of a high potential iron protein
- ** P07RR-00757-02 0023 Implementation of laboratory automation system - Protein structure refinement

(cont'd)

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P07RR-00862-01 Mass spectrometric bio-technology resource
- R01RR-00938-01 Diagnosis and control of mammalian encephalitozoonosis (rabbits)
- PROTEINS, ACYL CARRIER TYPE**
- ** R01AI-08903-06 Structure and function of bacterial lipids
- R01AM-01549-18 Action of B vitamins in enzymic catalysis
- R01AM-16070-01 Mechanism of control of fatty acid synthesis (E coli, pigeons, rats)
- ** R01GM-18407-03 Beta-Keto-acyl carrier protein synthetase (E coli)
- R01GM-19091-03 Metabolism and control of fatty acids (animals, bacteria)
- R01GM-19213-03 Mechanisms of desaturation of fatty acids (plants)
- ** R01GM-20207-01 Biotin holoenzyme synthetase-Mechanism and specificity (yeast, E coli)
- PROTEINS, BACTERIAL (GENERAL)**
- R01AM-09765-09 0005 Regulatory processes in biological systems - Chemotaxis and neurobiology (bacteria)
- P01AM-16944-01 0001 Renal disease and allograft effects of Streptococci - Nephrogenicity of streptococcal fractions and their antisera (monkeys)
- P01GM-15422-07 0005 Program project in genetics - Structure and function of ribosomes (microorganisms)
- R01HL-16101-01 Protein-lipid interaction (bacteria)
- PROTEINS, GLUTELINS**
- ** R01AM-14762-04 Role of protein structure in amine acid availability (plants,rats)
- R01AM-17684-01 Pathogenesis of celiac sprue and regional enteritis (human)
- R01HL-05209-14 Lipid metabolism (baboons, monkeys)
- M01RR-00865-01 0037 General clinical research center - Relationship of selective IgA deficiency to celiac sprue (human)
- PROTEINS, LECTINS**
- SEE ALSO TOXICOLOGY, PLANT POISONS, TOXALBUMINS (PLANT)
- R01AI-06455-10 Specificity and information transfer in sensitivity (rats, mice)
- ** R01AI-06710-07 Specificity of antibodies and phytohemagglutinins (rabbits)
- P01AI-07007-09 0002 Immunopathologic studies - Tumor immunology, cellular immunology
- R01AI-08368-07 Viral-modified membranes in virus maturation
- R01AI-09288-05 Subcellular components of bacterial and animal cells (mice)
- R01AI-10220-04 Structure and biosynthesis of antibodies (mice)
- ** R01AI-10724-02 Biological activities of homogeneous mitogens
- R01AI-10900-03 Interferon and cell-mediated immunity
- ** P01AI-11378-02 0002 Cell biology and chemistry of lymphocytes and lymphocyte products - Mitogenesis and cell surface mapping
- P01AI-11378-02 0005 Cell biology and chemistry of lymphocytes and lymphocyte products - Analysis of immunoglobulins, lectins, and their interaction with cell membranes
- ** R01AI-11903-02 Development of a type B phytohemagglutinin (legumes)
- P01AI-12450-01 0001 Cyclic nucleotides in immunity - Lymphocyte activation (human, rats, mice)
- P01AI-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogenous tissues (rabbits, rats)
- R01AI-12460-01 Genetics of isoantibody and immunoglobulin levels (human)
- R01AM-04256-14 Energy transfer in biological systems (virus, rats, human)
- R01AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
- R01AM-10145-09 Immunocompetence of thymus cells (mice, guinea pigs)
- R01AM-10171-09 Protein-carbohydrate interaction (rabbits, mice)
- R01AM-11796-07 Biochemical and genetical studies on serum proteins (human)
- ** R01AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
- R01AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
- R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- P01CA-04486-15 0003 Pathology of the digestive tract mucous membrane - Studies of cell-mediated immunity (human)
- P01CA-06927-12 0016 Biological and biochemical program in cancer research - Initiation of DNA synthesis (human, sea urchins)
- ** P02CA-06973-12 0021 Integrated clinical cancer research program - Cell biology-Cell surface studies with plant agglutinins (human, mice)
- R01CA-07000-10 Acquired hemolytic anemia of lymphocytic leukemia (human)
- ** P01CA-07175-11 0011 Cancer research at the McArdle laboratory - Growth induction in leukocytes by phytohemagglutinin (human)
- ** R01CA-08759-08 Structure and biologic function of glycoproteins (human)
- ** P02CA-08832-08 0111 An integrated study of advanced malignant diseases - Effect of radiation on PHA induced lymphocyte transformation and replication
- R01CA-10478-07 Lymphocyte proliferation in lymphocytic leukemia
- R01CA-10666-07 0003 Molecular pharmacology of tumor and virus inhibitors - Ricin
- ** P02CA-12197-03 0017 Multidisciplinary oncology research center - Response in chronic lymphocytic leukemia to phytohemagglutinin (human)
- P01CA-12227-04 0021 Core program in carcinogenesis - DNA replication (human, rats)
- P02CA-12247-03 0019 Pediatric oncology center - Immunology study-Lymphotoxin production (human)
- R01CA-12303-03 Structure function relationships in plasma membranes (human)
- R01CA-12835-03 Pathogenesis of plasma cell tumors (mice)
- ** P01CA-12800-03 0016 Immune functions and cancer - T cell responses to mitogens (human)
- R01CA-12920-03 Molecular basis of intercellular adhesion (mice, chick embryo)
- R01CA-12956-03 Permeability of leukocyte and neoplastic cell (human)
- R01CA-13041-02 Lymphocyte metabolism in cancer patients
- P02CA-13053-03 0067 Clinical cancer radiation therapy research center - Immunological reactivity of patients with gynecological malignancy
- R01CA-13287-03 Genetic basis of antigenic variation (mice)
- R01CA-13362-03 RSV functions involved in transformation
- R01CA-13435-02 Effects of therapeutic radiation on lymphocyte response (human)
- R01CA-13458-02 Membrane structure, control of cell division and cancer (human)
- R01CA-13605-03 Determinants of malignant and embryonic cell behavior (chordates, ctenophores)
- R01CA-13752-02 Iodoacetate-immunotherapy of lymphoid leukemia (mice)
- R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- ** P02CA-13943-02 0034 Clinical pharmacology immunology cancer research center - Effect of mammary tumor virus on spleen to phytohemagglutinin (mice)
- R01CA-13955-02 Antigen and surface charge properties of blood cells (human)
- P01CA-14193-02 0002 Comparative leukemia studies unit - Tissue culture studies on the replication of BLV
- P01CA-14195-01 0001 Core grant-Regulation, the cell membrane and cancer - Collaboration of bone marrow and thymus derived lymphocytes (cattle, mice)
- P01CA-14195-01 0015 Core grant-Regulation, the cell membrane and cancer - Topography of normal, embryonic and neoplastic cell surfaces (mice, hamsters)
- P01CA-14195-01 0025 Core grant-Regulation, the cell membrane and cancer - Regulation of antibody synthesis (cattle)
- R01CA-14216-02 Characterization of lymphoid populations in oncogenesis (mice)
- ** R01CA-14313-02 Interaction of lectins with cell membranes (human)
- R01CA-14351-01 Normal and leukemic lymphocyte surface glycoproteins
- R01CA-14360-02 Immunosuppressant effects of sedative hypnotic drugs
- R01CA-14576-02 Energy metabolism and leukemic lymphocytes (human)
- P01CA-14599-01 0003 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Lymphocyte growth potential
- P01CA-14723-02 0009 Experimental cancer immunology - Specialized functions of neoplastic hamster lymphoid cells
- P01CA-14733-02 0011 Control of gene expression, virus replication and cell growth - Skin and cartilage development (avian embryo)
- R26CA-14957-02 Immunology of urinary bladder cancer of the dog
- R01CA-15278-01 Antibody immunosuppression on tumor growth (mice)
- R01CA-15516-01 ABO(H) blood groups and blood group enzymes in cancer (human, seeds)
- R01CA-15544-02 Effect of microtubular proteins on cell surfaces (human)
- R01CA-15773-01 Hormone-membrane interaction in neoplasia (human)
- M P01CA-15823-01 Program in developmental biology of cancer
- ** P01CA-15823-01 0008 Program in developmental biology of cancer - Neoplastic membranes (human)
- P01CA-15823-01 0009 Program in developmental biology of cancer - Membrane changes in neoplastic transformation (hamsters)
- R01CA-15964-01 T-T cell collaboration and tumor cell destruction
- P01CA-16038-01 0001 Program on the molecular basis of viral transformation - Immunological activation of oncogenic virus (mice)
- R01CA-16128-01 Interferon and the immune response in cancer patients
- R01CA-16206-01 Ricin-A plant agglutinin with antitumor properties
- P01CA-16359-01 0025 Cancer center support grant - Suppressor thymus lymphocytes
- P01CA-16359-01 0030 Cancer center support grant - Gastro-intestinal lymphoid tissues (rabbits, E coli)
- P01CA-16359-01 0036 Cancer center support grant - Lymphoid populations in spontaneous leukemia (mice)
- M01CP-81030-11 Etiology and epidemiology of human cancer
- R01DE-03430-02 Interactions of saliva proteins and bacteria
- R01DE-03725-02 Inflammation and bone resorption (human)
- P01GM-14892-07 0013 The traumatized patient - Immunologic profile of severely injured patient
- P01GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation
- R01GM-19813-02 Anesthetic alteration of cell structure and function (mice, decapods)
- ** R01GM-21165-01 Analysis of lectins in tropical rainforest plants
- R01GM-21423-01 Transport activity during lymphocyte stimulation (mice)
- M01HB-22910-04 Relationship of blood transfusion to cytomegalovirus infection (human)
- P01HD-00781-11 0015 Studies on prematurity - Role of HCG in immunosuppression (sheep)
- P01HO-05894-04 0018 Genetic childhood diseases and aging - Cellular immune deficiency as possible cause of aging (human, mice)
- R01HD-07889-01 Glycoprotein-glycolipid metabolism in spermatogenesis (mice)
- R01HL-05351-14 Blood group antigens and antibodies (human, sheep)
- P01HL-13108-05 0002 Clinical heart transplantation - Immunologic selection of recipients (human)
- P17HL-14147-04 0001 Specialized center of research in thrombosis - Structure and function of human platelet membranes
- R01HL-14697-03 Role of platelet membranes in hemostasis (human)
- R23HL-17221-01 Immunocompetent cells of the lung (rats, rabbits, guinea pigs)
- R01NS-05572-10 0003 Ultrastructural basis of neuropsychiatric disease - Immunocellular methods for cell surface and intracellular labeling
- R01NS-08597-06 Synaptic membrane structure and function (rats)
- PROTEINS, LECTINS, CASTOR BEAN AGGLUTININ**
- ** R01CA-16206-01 Ricin-A plant agglutinin with antitumor properties
- PROTEINS, LECTINS, CONCAVALIN A**
- R01AI-09288-05 Subcellular components of bacterial and animal cells (mice)
- R01AI-10265-03 Synthetic tumor antigens (rabbits, rats, mice)
- R22AI-10501-03 Cellular pathways in delayed hypersensitivity (rabbits)
- R01AI-11263-02 Sindbis virus growth and alteration of cell membranes
- P01AI-11378-02 0002 Cell biology and chemistry of lymphocytes and lymphocyte products - Mitogenesis and cell surface mapping
- ** R01AI-12030-01 Control of enterotoxin induced secretion (animals)
- R01AM-10811-09 Glycosaminoglycans in health and disease states
- P02AM-13083-06 0107 Organ transplantation - Studies in mixed lymphocyte culture (human)
- R01AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)
- P01AM-15515-03 0002 Psoriasis biology, psoriasis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
- R01AM-15725-03 Hyperfine interactions in iron proteins (human, mycobacteria, Euglena, beans)
- R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- ** R01AM-16947-01 Lanthanide ions as spectroscopic rulers in Con A
- R01CA-06145-13 0003 Chemotherapy of intracranial neoplasms - Biocharacteristics of brain and glioma cells (human)
- R01CA-10337-08 Spin labeling and membrane structure
- P02CA-10438-08 0034 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (mice)
- R01CA-12635-03 Pathogenesis of plasma cell tumors (mice)
- P01CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)

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(contd)

- R01CA-13190-02 Human tumor-specific immunity
R01CA-14126-02 Myeloma-induced inhibitor of lymphocyte function (mice)
R26CA-14136-02 Cytopathology of urinary bladder carcinoma (human)
P01CA-14195-01 0015 Core grant-Regulation, the cell membrane and cancer - Topography of normal, embryonic and neoplastic cell surfaces (mice, hamsters)
R01CA-14211-01 Interaction on oncogenic agents with cell membranes (rats)
R01CA-14460-01 Immunotherapy combined with surgery and chemotherapy
** R01CA-14496-02 Metal ion function in concanavalin A (beans)
P01CA-14599-01 0014 University of Chicago Cancer Research Center - Morphogenesis of cell surfaces (chick embryo)
R01CA-14985-02 5-Bromo-deoxyuridine effects on marrow and tumor cells (mice, rats)
R01CA-15339-01 Pattern of molecules on normal and neoplastic cells
R01CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
P01CA-15823-01 0008 Program in developmental biology of cancer - Neoplastic membranes (human)
P01CA-15823-01 0009 Program in developmental biology of cancer - Membrane changes in neoplastic transformation (hamsters)
P01CA-16038-01 0001 Program on the molecular basis of viral transformation - Immunological activation of oncogenic virus (mice)
** R01CA-16054-01 NMR studies of saccharide binding to concanavalin A
R01CA-16206-01 Ricin-A plant agglutinin with antitumor properties
P01CA-16359-01 0025 Cancer center support grant - Suppressor thymus lymphocytes
** R01CA-16661-01 Concanavalin A-saccharide structural studies
N01CP-43241-00 Virus-induced tumor specific transplantation antigens (mice)
N01CP-92014-07 Virus-induced tumor specific transplantation antigens (mice)
R01DE-03430-02 Interactions of saliva proteins and bacteria
R01GM-06920-15 Molecular structure of biologically active molecules
** P01GM-06965-15 0075 Basic experimental biology - Concanavalin A binding to cell surfaces
R01GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
R01GM-19079-03 0007 One MEV scanning transmission electron microscope - Distribution of specific functional sites on the surface of mammalian cells
R01GM-19937-02 Genetic/molecular basis of imaginal disc morphogenesis (*Drosophila*)
R01HL-01661-22 Hemostatic mechanisms (human)
R01HL-09125-10 Ultrastructural cytochemistry (human, rodents, rabbits)
P01HL-11414-07 0019 Thrombosis and atherosclerosis program - Control of metabolism by metal cation environment
R01HL-13336-05 Biochemistry and physiology of human platelets (rabbits)
** R01HL-14799-03 Heart transplantation-immunologic and physiologic studies (rats, dogs, mice)
R01NS-09641-04 Differentiation and tumorigenesis of neural cells (rats, chickens)
P07RR-00636-02 0010 Special resource for NMR studies in biomolecules - Conformational analysis of oligosaccharide haptan-antibody interactions
- PROTEINS, VIRAL (GENERAL)**
R01AI-04509-13 Biochemical genetic studies of virus multiplication
R01AI-08722-06 Molecular studies on phage P2 and its satellite, P4
R01AI-09465-05 Bacterial cell membrane role in growth and cell division (also yeast)
R01AI-10201-04 Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
R01AI-10238-04 DNA metabolism in virus infected bacteria (T7 phage, *E. coli*)
R01AI-10326-04 Genetic and biochemical studies of Reovirus
** R01AI-11255-01 Characterization of the rubella virus proteins (rabbits)
R01AI-11323-02 Regulation of development of bacteriophage SPO1 (bacteria)
** R01AI-11741-01 Proteins of measles and canine distemper viruses
R01AI-11823-01 Synthetic neuraminidase substrates
R01AI-11856-01 Molecular structure of RNA viruses
R01AI-11863-01 Molecular mechanisms in the assembly of viruses (T4 phage, *E. coli*)
** R01AI-11877-01 Biochemical analysis of viral envelope proteins
R01AI-11996-01 Superinfection exclusion in RNA animal viruses (mice)
R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
R01AI-12467-01 Transcription and translation of NDV RNA
- P02CA-06516-12 0026 Cancer center support grant-Comprehensive - Detection of sub infections RNA tumor virus gene expression
R01CA-10594-07 Regulatory processes in tumor virus-infected cells
P01CA-10815-06 0029 Consolidated basic cancer research program - Regulation and transcription of free and integrated SV40 genome (monkeys)
P01CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
R01CA-14618-01 Growth and maturation of adeno-associated satellite viruses
R01CA-15071-01 Translation products of the RNA tumor virus genome
R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
** P01CA-16038-01 0009 Program on the molecular basis of viral transformation - SV40 proteins
P01CA-16038-01 0011 Program on the molecular basis of viral transformation - Host-dependent herpesvirus mutants
** P01CA-16038-01 0013 Program on the molecular basis of viral transformation - Regulation of cell division and DNA synthesis by parvovirus structural proteins
** R01CA-16047-01 Viral protein in avian sarcoma virus-infected cells
** R01CA-16106-01 Structural studies on proteins specified by SV40
** R01CA-16115-01 and SV40
R01CA-16329-01 Biology of the reticulendotheliosis virus group (chickens)
** R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
N01CP-43380-00 Host restriction of Friend Leukemia Virus
R01GM-05365-17 Biological investigations with isotopes
** P01GM-06965-15 0081 Basic experimental biology - Sialidase-specific proteins in infected cells
R01GM-13280-11 Investigation of genetic problems with bacteriophages
** R01GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
- PROTEINS, Y PROTEIN**
** P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
** P17AM-17702-01 0002 Hepatitis cirrhosis center - Structure of Y and Z proteins and their complexes with organic ions (human, rats)
** P01CA-10815-06 0080 Consolidated basic cancer research program - Viral protein in avian sarcoma virus-infected cells
P11GM-12675-10 0013 Biochemical toxicology and pharmacology - Diminished hepatic excretory capacity induced by drugs (rodents, miniature pigs)
P11GM-12675-10 0014 Biochemical toxicology and pharmacology - Chemical alterations of carbon monoxide induced hepatotoxicity and lethality
P11GM-12675-10 0053 Biochemical toxicology and pharmacology - Hepatotoxicity of various agents in fetus, newborn and adult animals (rats, mice)
P01GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
- PROTEINS, Z PROTEIN**
R01AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
** P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
** P17AM-17702-01 0002 Hepatitis cirrhosis center - Structure of Y and Z proteins and their complexes with organic ions (human, rats)
P11GM-12675-10 0013 Biochemical toxicology and pharmacology - Diminished hepatic excretory capacity induced by drugs (rodents, miniature pigs)
P11GM-12675-10 0014 Biochemical toxicology and pharmacology - Chemical alterations of carbon monoxide induced hepatotoxicity and lethality
P11GM-12675-10 0053 Biochemical toxicology and pharmacology - Hepatotoxicity of various agents in fetus, newborn and adult animals (rats, mice)
P01GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
R01HL-15309-02 Normal and variant human alpha 1-antitrypsin
** P01NS-11766-01 0002 Clinical research center for neuromuscular disease - Muscle proteins and muscle disease (human, mammals, electric fish)
- PROTEINS BIOSYNTHESIS**
SEE ALSO AMINO ACID-RNA LIGASES
SEE ALSO AMINO ACYL NUCLEOTIDES
SEE ALSO AMINO ACYL TRNA
SEE ALSO CELL COMPONENTS, POLYSOMES
SEE ALSO CELL COMPONENTS, RIBOSOMES
SEE ALSO GENETICS, GENETIC CODING
- SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
SEE ALSO IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO NUCLEIC ACIDS, MRNA
SEE ALSO NUCLEIC ACIDS, TRNA
SEE ALSO NUCLEOPEPTIDES
R01AA-00239-06 0001 Effects of alcohol on liver and intestine - Lipid and lipoprotein metabolism (rats, human)
R01AA-00252-05 Alcohol and brain macromolecules (mice, rats)
** R01AA-00287-04 Effects of alcohol on subcellular organelles of liver (rats, rabbits)
R01AA-00312-03 0003 Acute and chronic gastric mucosal injury due to alcohol - Mechanism of gastric mucosal injury caused by alcohol (rats, guinea pigs)
R01AA-00322-01 Ethanol-intracellular effects on in vitro (CNS) mice)
R01AI-00328-23 Genetic investigations in yeast-Saccharomyces
R01AI-00536-21 Reproduction and mutation of tobacco mosaic virus
R01AI-00957-19 RNA function in viral infected and uninfected cells
R01AI-01384-15 Chemical basis of parasitism (rats)
R01AI-02011-17 Biosynthesis and excretion of bacterial enzymes
R01AI-02032-17 Nucleic acids of herpesvirus infected cells (hamsters)
R01AI-02874-15 Staphylococcal and streptococcal proteins
R01AI-02951-13 Biochemistry of enteric amoeba and related organisms
R01AI-02953-14 Cell immunity-Natural inhibitors of viral activity (rabbits, mice)
R01AI-03076-15 Lymphoid cells-Production of antibodies and complement (chickens, rabbits, mice)
R01AI-03445-15 Virus induced alterations in animal cells
R01AI-03772-14 Chemistry of leucocytic pyrogen (rabbits)
R01AI-03899-14 Metabolism of normal and bacteriophage infected *Escherichia coli* (human)
** R01AI-03957-14 Metabolic control mechanisms (bacteria, mammals, non-human)
R01AI-04156-13 Microbial iron metabolism (fungi, mammals, bacteria)
R01AI-04181-13 An inducible bacterial enzyme (*E. coli*)
** R01AI-04479-13 Protein synthesis following bacteriophage infection
R01AI-04509-13 Biochemical genetic studies of virus multiplication
** R01AI-04572-13 Cell permeability and invertase
** R01AI-04615-13 Biosynthesis of bacterial cell wall components
R01AI-04783-12 The role of nuclear cap RNA in fungal development
R01AI-04865-12 Inorganic nitrogen metabolism (bacteria)
R01AI-05044-11 Biosynthesis of bacterial cell walls and membranes
R01AI-05090-13 Chemistry and biosynthesis of microbial cell walls
** R01AI-05231-10 Synthesis of viral and gammaglobulin proteins
R01AI-05526-12 Physiology of bacteria at low temperature
R01AI-05540-10 Biochemistry of morphogenesis in mucar
R01AI-05629-12 Chemistry of the interferon molecule (mice)
R22AI-05920-12 Togavirus replication in insect and vertebrate cells
R01AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
R01AI-06264-10 Cellular resistance to virus infections
R01AI-06497-10 A possible cellular role for penicillinase (bacteria)
R01AI-06647-08 Genetics of biosynthesis in *Staphylococcus aureus* (bacteriophage)
R01AI-06862-09 Molecular mechanisms of virus replication
R01AI-07057-09 Interferon and resistance to virus infection
R01AI-07140-09 Translation and replication of RNA containing viruses
R01AI-07461-08 Interaction of zoopathogenic fungi with phagocytes (mice)
R01AI-07877-08 Molecular mechanism of pathogenicity of diphtheria
** R01AI-08057-06 Macromolecular aspects of spore germination (fungi)
R01AI-08133-17 Phage infection-Deoxyribonucleotide and DNA biosynthesis
R01AI-08190-07 Modes of action of antimycobacterial agents
R01AI-08230-07 Enzymology of normal and virus infected bacteria
R01AI-08238-08 Biochemical studies of arbovirus multiplication
R22AI-08261-06 Metabolic pathways of schistosomal larval forms (mice, snails, monkeys)
R01AI-08286-06 Regulation of bacterial cell division
R01AI-08362-07 Approaches to R factor origin and expression (human, bacteria)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
- R01AI-08572-07 Transfection of E coli and its applications (bacteriophage)
- R01AI-08573-07 0002 Genetics of lambda prophage - Regulation of prophage insertion
- R01AI-08632-06 Biochemistry and pathophysiology of diphtheria (guinea pigs)
- R01AI-08715-02 Studies on *Bdellovibrio*, a parasite of bacteria
- R01AI-08722-06 Molecular studies on phage P2 and its satellite, P4
- R01AI-08737-06 Chemical and biological nature of bacteriocins (rabbits)
- R01AI-08738-06 Control mechanisms in phage-host cell interactions
- R01AI-08814-06 Regulation of viral RNA translation
- ** R01AI-09049-06 Physical chemistry of viruses and their components
- R01AI-09055-06 Bacteriocin effects on cells and membranes
- R01AI-09093-06 Control of bacterial membrane synthesis
- ** R01AI-09100-05 Mammalian cell response to diphtheria toxin (human, mice, chicken)
- R01AI-09145-14 Genetic mechanisms in immunologic deficiency states (human)
- R01AI-09167-06 Ribosome structure and function (E coli)
- R01AI-09178-05 Tetracycline resistance in *Staphylococcus aureus*
- ** R01AI-09238-06 Biochemistry and genetic control of virus assembly
- R01AI-09312-05 Host-cell interaction of animal viruses
- ** R01AI-09315-10 Protein synthesis in bacteria
- R01AI-09337-05 Biology of bacteria forced to grow slowly
- ** R01AI-09352-05 Chemistry and biosynthesis of cell-surface polymers (bacteria)
- ** R01AI-09456-05 Control of messenger RNA synthesis
- R01AI-09460-05 Lymphocyte release cell-toxin (human, mice)
- R01AI-09558-05 In vitro cultivation of human and simian malarial parasite
- R01AI-09580-04 Microbial metabolism of hydroxylamino compounds (fungi)
- R01AI-09779-05 Regulation of morphogenesis in the higher fungi
- R01AI-09829-05 Unsaturated fatty acid biosynthesis in bacilli
- ** R01AI-09861-08 Cell membrane synthesis in the control of growth (bacteria)
- ** R01AI-09865-04 Biochemistry of the hydratid organisms (rats)
- R01AI-09882-03 Role of host cell proteins in synthesis of virus DNA
- R01AI-10056-04 Cellular regulation of growth and DNA synthesis (E coli, wheat)
- R01AI-10076-07 Mechanisms of antibiotic resistance in microorganisms (fungi, bacteria, viruses)
- R01AI-10097-04 Structure of myoviruses and oncornaviruses
- R01AI-10109-04 Mechanism of pyrogen elaboration in blood leukocytes (rabbits)
- R01AI-10201-04 Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
- R01AI-10216-04 Studies of cell and virus protein
- R01AI-10243-04 Control of gene expression in viral infection
- R01AI-10257-04 Genetic analysis of tRNA coded by phage T4
- R01AI-10280-04 In vitro studies of cell-mediated immunity (mice, guinea pigs)
- R01AI-10332-03 Intracellular parasitism
- R01AI-10424-03 Polyamines in cellular metabolism and function (microorganisms, mice, algae)
- R01AI-10430-03 Molecular basis for the attenuation of poliovirus
- R01AI-10468-03 Infectious drug resistance plasmids
- R01AI-10517-01 Biosynthesis of carotenes in mycobacteria
- R01AI-10519-03 Penicillin biosynthesis and related peptide chemistry (fungi)
- R01AI-10527-04 Metabolism and hormones in arthropods
- R01AI-10580-03 Genetic control of immunoglobulin synthesis (human, rabbits)
- ** R01AI-10610-03 Protein metabolism in yeast
- R01AI-10692-03 Transcription and replication of animal RNA viruses
- R01AI-10707-03 Reproductive physiology of *Aedes*.
- R01AI-10716-03 Mechanism of immunologic tolerance in vivo and in vitro (rats)
- R01AI-10793-03 Genetic analysis of Sindbis virus
- R01AI-10822-03 Cuticle formation in parasitic nematodes
- R01AI-10902-06 Synthesis and function of organized elements in cells (E coli)
- ** R01AI-10947-03 0001 Metabolism of cells infected with nuclear DNA viruses - Nonstructural sulfated glycoproteins
- R01AI-10992-06 Purification of proteins with biological activity
- R01AI-10996-02 Respiratory syncytial virus assembly and maturation
- R01AI-11101-02 Regulation of the immune response by persisting antigen
- R01AI-11112-08 Cellular resistance to viral infection
- R01AI-1127-02 Control mechanisms in paramyxovirus replication
- R01AI-1164-02 Biosynthesis of immunoglobulins (mice)
- R01AI-1183-02 Antigen-binding cells of multiple specificity (mice, rabbits)
- R01AI-11263-02 Sindbis virus growth and alteration of cell membranes
- R01AI-11270-01 Interferon - Production and action in single cells
- ** R01AI-11301-02 Protein synthesis in T-4 bacteriophage-infected cells (E coli)
- R01AI-11318-01 Early extracellular events in DNA infection (bacteria)
- R01AI-11323-02 Regulation of development of bacteriophage SP01 (bacteria)
- R01AI-11337-02 Control of toxin production in viral-infected cells
- R01AI-11344-02 Phage-host interactions and control of phage growth
- R22AI-11416-02 Cholera toxin and adrenal cells in tissue culture
- R22AI-11478-02 Control of bacterial toxins by viruses and plasmids (mice, rabbits)
- ** R01AI-11518-01 Functional viral mRNA made without protein synthesis
- R01AI-11572-02 Infective role of amino acid binding by viral RNA
- R01AI-11577-02 DNA regulation during T4 infection of E coli
- ** R01AI-11614-01 Influenza viral RNA and protein synthesis in vitro
- R01AI-11673-01 Effect of drugs on *Plasmodium berghei* (mice)
- R01AI-11687-01 Interferon production by leukocytes (mice)
- R01AI-11703-01 Regulation of DNA synthesis in antibody forming cells (mice)
- R01AI-11730-01 Regulation of meiosis and ascus development in yeast
- R01AI-11772-01 Replication of influenza virus (rabbits)
- ** R01AI-11806-02 Function and biosynthesis of J chain (human)
- R01AI-11839-02 Molecular biology of vaccinia virus replication
- R01AI-11842-05 Resistance to tetracycline in E coli
- R01AI-11907-01 Immunobiochemical studies of transplantation antigens (rabbits)
- R01AI-11909-01 Control of reproduction in the mosquito
- R01AI-11913-01 Synthesis and regulation of viral RNA
- R01AI-12045-01 Functional morphology of parasitic helminth surfaces
- R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
- R01AI-12056-01 Effects of bacterial viruses on cell membranes
- R01AI-12066-01 0001 Nucleoside analogs - Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
- R01AI-12090-01 Characterization of 'transfer factor' (mice)
- ** R01AI-12467-01 Transcription and translation of NDV RNA
- ** R01AI-00546-23 Sugars and synthesis of amino acids (bacteria, yeast)
- R01AM-00803-20 Methionine-tRNA synthetase (cattle, rats, rabbits, human)
- R01AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
- ** R01AM-01059-19 Hereditary defects in protein synthesis (human, rats)
- ** R01AM-01448-18 Catalytic functions and metabolism of vitamin B6 (bacteria, fungi)
- R01AM-01483-18 Transport of calcium (human, hamsters, rats)
- R01AM-01506-17 Effect of thyroxine on mitochondria (rats)
- ** R01AM-01845-17 Enzymic mechanisms in biosynthesis (bacteria, shrimp)
- R01AM-01855-20 N-acyl, N-carbamyl amino acid metabolism (human, cattle)
- ** R01AM-02001-17 Factors that modify insulin action (rats)
- R01AM-02109-17 Purine and pteridine metabolism in microorganisms
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- R01AM-02534-16 Small intestinal absorption in malabsorption syndromes (rats)
- R01AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- ** R01AM-03442-15 Biosynthesis of B vitamins (microorganisms)
- R01AM-03535-15 Mode of action of steroid hormones (rats)
- P01AM-03564-15 0019 Mesenchymal tissues and their diseases - Synthesis of glycopeptides
- P01AM-03564-15 0025 Mesenchymal tissues and their diseases - Biosynthesis of glycoproteins
- R01AM-03854-14 Regulation of insulin degradation (human, cattle, rats)
- R01AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
- ** P02AM-04501-13 0023 Metabolic disease research center - Control of protein synthesis by vitamin D
- ** R01AM-04842-13 Endocrine regulation of protein synthesis (rats, viruses)
- R01AM-04942-14 Effect of dietary fat on glyceride structure (rats)
- R01AM-05556-13 Pancreatic regeneration and differentiation (rats)
- R01AM-05821-12 Chemistry of maturation of collagen (rats)
- ** R01AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- R01AM-06206-12 Regulation of chronic inflammation (human, rodents, rabbits)
- R01AM-06334-12 Pathogenesis of experimental fatty liver (rats, mice)
- ** R01AM-06439-12 Metabolism and endocrine function in the thyroid (rats)
- R01AM-06838-12 Biosynthesis of keratin (human, rats, mice)
- R01AM-07578-13 Ultrastructure and function of the gastric mucosa (mice)
- R01AM-07697-11 Chemistry of elastin (cattle, chick embryo, swine)
- R01AM-07822-11 Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles)
- R01AM-07984-12 Hydroxylysine metabolism (mammals, birds, reptiles, fish, invertebrates)
- R01AM-08154-10 0001 Genetic control of hemoglobin synthesis - Translation control of Hb S, Hb A and Hb F in cell free systems (human)
- R01AM-08154-10 0002 Genetic control of hemoglobin synthesis - Genetic control of hemoglobin synthesis (hamsters)
- P01AM-08305-11 0001 Cystic fibrosis and pulmonary disease - Biochemistry of exocrine secretions (human, rats)
- P01AM-08305-11 0003 Cystic fibrosis and pulmonary disease - Immunological investigations in cystic fibrosis (human)
- P01AM-08445-10 0002 Biology of skin of man and other primates - Androgen action on sebaceous glands (hamsters)
- ** R01AM-08575-10 Biosynthesis of human and rabbit hemoglobins
- R01AM-08586-09 Cytochemical studies in liver injury (mice, rats, guinea pigs, monkeys, human)
- R01AM-08732-13 Vitamin A in glycoprotein synthesis
- R01AM-08823-10 Biosynthetic processes in mitochondria (yeast, ascites tumor, cattle)
- R01AM-08879-09 Liver regrowth after excision - Regulation mechanisms (rat, cattle, dog, chicken)
- P01AM-09001-10 0032 Biochemistry and immunology of blood diseases - Reversible bone marrow toxicity (dogs)
- P01AM-09001-10 0033 Biochemistry and immunology of blood diseases - Bone marrow aplasia (dogs)
- R01AM-09012-10 Studies on vitamin D and calcium metabolism (human, animals)
- R01AM-09070-10 Metalloenzyme synthesis and function (bacteria)
- R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)
- ** R01AM-09131-10 Effect of amino acid analogs on protein synthesis (yeasts, rats)
- ** R01AM-09132-10 Biochemistry of bone and connective tissue (cattle, chick embryo)
- R01AM-09280-10 Gastrointestinal absorption in the herbivore (ruminants)
- R01AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
- R01AM-09406-11 0004 Genetic diseases - Collagen metabolism (human)
- R01AM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
- P01AM-09650-10 0001 Hormonal and ionic control of metabolism - Steroid hormone action (toad bladder)
- P01AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- R01AM-09805-08 Thalassemias and hemoglobinopathies and related problems (human)
- R01AM-09838-09 Control mechanisms in heme synthesis (human)
- R01AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- ** R01AM-09992-09 Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses)
- R01AM-10080-09 Mechanism of action of peptide hormones (rats, toads)
- R01AM-10149-09 Hormonal control of lipid metabolism (rats)
- R01AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
- ** R01AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
- R01AM-10508-09 Ontogeny of osmotic and ionic regulation (frogs, salamanders)
- R01AM-10646-08 Folate-B12 metabolism in normal and pathological cells (mice)
- R01AM-10833-08 Structure of collagen (bacteria, mice, human)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-10894-08 0011 Genetic metabolic diseases of infancy and childhood - Amino acid pools and protein synthesis (human)
- ** R01AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- R01AM-11060-17 Mechanisms of androgen action (animals)
- ** R01AM-11146-07 Control of hepatic biosynthesis of plasma proteins (rats)
- ** R01AM-11148-08 Regulation of heme and hemoprotein synthesis (bacteria, fungi)
- R01AM-11248-08 Structure of connective tissue proteins (human, mammals)
- R01AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
- R01AM-11270-08 Carbohydrate digestion by the intestine (human, rats)
- R01AM-11661-08 Metabolic control in reactions of nucleotide sugars (cattle, chick embryo)
- R01AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, Wt-38)
- R01AM-12381-07 Iron in cell pathology (rats)
- R01AM-12395-08 Protein modification by mammalian enzyme systems (bacteria, rats, rabbits)
- ** R01AM-12401-08 Protein synthesis in erythroid precursors (human)
- ** R01AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
- ** R01AM-12598-06 Hemoglobin synthesis during amphibian metamorphosis
- R01AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
- R01AM-12782-07 Anabolic actions of adenylophosphorylase hormones (rats)
- R01AM-12788-23 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
- R01AM-12828-06 Regulation of cysteine biosynthesis in *S. typhimurium*
- R01AM-12845-04 Studies in androgen metabolism (human, rats)
- R01AM-12861-06 Structure and activity of growth hormone (shark, cattle)
- ** R01AM-12895-06 Regulation of hemoglobin synthesis (human, rabbits)
- R01AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
- ** R01AM-13115-11 Properties and metabolism of individual proteins (rabbits, yeasts)
- ** R01AM-13143-06 Regulation of hemoglobin synthesis (human, guinea pigs)
- ** R01AM-13238-06 Protein synthesis in muscle (chick embryos)
- ** R01AM-13336-06 Regulation of protein synthesis in mammalian liver (mice)
- R01AM-13361-07 Adrenal metabolism possibly related to ACTH action (rats)
- ** R01AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
- ** P01AM-13385-06 0001 Cystic fibrosis - Development of secretory capacity in exocrine glands (rats)
- R01AM-13407-06 Glycosyltransferases
- R01AM-13431-09 Mechanisms in hemoglobin synthesis and destruction (human, dogs)
- ** R01AM-13488-06 Regulation and mechanism of PRPP synthetase (bacteria)
- ** R01AM-13499-06 Regulation of liver growth and function (rats)
- R01AM-13531-05 Metabolism of cortisol in liver (rats)
- R01AM-13532-05 Control of polyribosomes in human reticulocytes
- R01AM-13601-03 Na-K-ATPase and renal tubular transport of sodium (rats, dogs)
- R01AM-13609-06 Immunologic reactions of cell surfaces (human, rabbits)
- ** R01AM-13620-06 Biosynthesis of liver proteins by ribosomes (rats)
- ** R01AM-13748-06 Molecular development of collagen fibers (chicks, mice, hamsters)
- ** R01AM-13776-04 Anterior pituitary hormone biosynthesis (rats, sheep)
- R01AM-13855-05 Investigations of human complement
- R01AM-13894-05 Synthesis of histidine degrading enzymes (bacteria, bacteriophage)
- R01AM-13897-05 Cellular adaptations to malnutrition (rats)
- R01AM-13916-04 Pharmacology and biochemistry of the thyroid (human)
- R01AM-13921-14 0001 Structure and organization of collagen fibers - Synthesis and assembly of intracellular procollagen
- R01AM-13970-13 Wound repair and inflammation (human, rabbits, guinea pigs)
- ** R01AM-13983-05 Genetic control of hemoglobin synthesis, (mice, rabbits)
- ** R01AM-14038-05 Intestinal protein metabolism and function (human, rats)
- R01AM-14133-05 Regulation of the metabolism of S-adenosylmethionine (microorganisms)
- R01AM-14228-05 Control of aromatic amino acid utilization in mammals (rodents, human)
- ** R01AM-14415-03 Intracellular function of cyclic 3 5 AMP (bovine tissues)
- ** R01AM-14439-05 Biochemical steps and control of collagen synthesis (chick embryo)
- ** R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- ** P01AM-14526-05 0001 Biochemistry of connective tissue - Collagen biosynthesis and pathway regulation (human, vertebrates, invertebrates)
- R01AM-14528-05 Inborn errors of metabolism in cell culture (human)
- R01AM-14548-05 Biogenesis of mitochondria during renal hypertrophy (rats)
- R01AM-14650-04 Immunological studies of myoglobin (human)
- R01AM-14686-04 Intestinal calcium transport (human, rats)
- R01AM-14700-04 Metabolism of low-molecular weight proteins (human, rats, rabbits)
- R01AM-14704-04 Protein turnover in protein and calorie deprivation (rats, swine)
- R01AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
- ** R01AM-14781-04 Gastrin action, synthesis and secretion (human, dogs, rats, frogs, swine)
- R01AM-14784-03 Physiology of copper and zinc in Wilson's disease (human)
- R01AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
- ** R01AM-14837-04 Studies of a peptide from pancreas (human, chickens)
- P01AM-14881-04 0006 Metabolism and function of fat-soluble vitamins - Intestinal calcium transport system synthesized in response to vitamin D (rats)
- R01AM-14882-04 Chemical pathology of lesions produced by ethionine (rats, guinea pigs)
- R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- R01AM-14915-04 Aldosterone stimulation of sodium transport (anurans, rats)
- R01AM-14923-03 Hemoglobin-Biosynthesis and genetics (human, goats, sheep)
- R01AM-15059-04 Insulin and enzyme turnover in adipose and liver (rats)
- R01AM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
- ** R01AM-15156-04 Mechanism of protein biosynthesis (rats)
- R01AM-15191-04 Physiology, pathology and biochemistry of diabetes (human, rats)
- R01AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
- R01AM-15235-04 Mechanism of action of insulin (rats)
- R01AM-15263-03 Effector systems for insulin action on fat cells (rats, human)
- R01AM-15287-03 Cartilage production in cell culture (chick embryo, human)
- R01AM-15292-01 RNA-iodo proteinaceous complexes of thyroid (mammals)
- R01AM-15346-03 Development of mineralized tissues (rats)
- ** R01AM-15355-04 Synthesis and function of calcium binding protein (chick embryo)
- R01AM-15442-03 Iron metabolism in inherited hypochromic anemias (mice, rat)
- ** R01AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- R01AM-15467-03 Transfer RNA and hemoglobin synthesis-tRNA methylation (human, rabbits)
- R01AM-15484-03 Some actions of thyroid hormone (rats, guinea pigs)
- R01AM-15492-03 Molecular pathology of beta-thalassemia (human)
- R01AM-15594-03 Biological function of myosin light chains (chick embryo, rats)
- R01AM-15603-03 Therapeutic value of augmented nitrogen reutilization (human, rabbits)
- R01AM-15656-03 Molecular pathology of heritable disorders (human, mice)
- R01AM-15658-03 Regulation of skeletal metabolism (rats)
- P01AM-15671-04 0007 The biology of skeletal and other connective tissues - Synthesis of phosphorylated polypeptides of enamel (rats)
- R01AM-15672-02 Pancreatic secretion of salts and enzymes in vitro (rats, rabbits)
- R01AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
- R01AM-15682-03 Specificity and mechanism of thyroid peroxidase (cattle)
- R01AM-15684-03 Chemistry and metabolism of polysaccharides (human, mice, bacteria)
- R01AM-15756-03 Biochemistry of normal and abnormal renal growth (mice)
- R01AM-15762-03 Tendon regeneration and development (chickens, chick embryo, human)
- R01AM-15770-06 Structure and function of hemoglobin (cats)
- R01AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
- R01AM-15782-03 Renal electrolyte actions of certain hormones (rats)
- R01AM-15791-02 Preservation and regeneration of isolated kidneys (dogs)
- R01AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
- R01AM-15917-03 Hemoglobin production during animal development (chick embryo)
- ** R01AM-15951-03 Calcium control of PTH and calcemic peptide biosynthesis (human, animals)
- ** R01AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
- R01AM-16009-03 Regulation of gluconeogenesis in liver (guinea pigs, rats)
- ** R01AM-16063-01 Collagen synthesis in connective tissue disease (tissue culture, rats)
- R01AM-16125-03 Pathogenesis of immune thrombocytopenia (human)
- ** R01AM-16162-03 Collagen synthesis and its regulation (chick embryo)
- R01AM-16168-03 Human prolactin, growth hormone, and placental lactogen (human, animals)
- R01AM-16177-03 Mechanism of action of steroid hormones (rats)
- R01AM-16226-01 Mechanism and control of serum albumin biosynthesis (rats, human, cattle)
- ** R01AM-16262-02 Epidermal macromolecular metabolism
- R01AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
- ** R01AM-16277-03 Regulation of hemoglobin synthesis and hematopoiesis (rats, rabbits)
- P01AM-16281-02 0016 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum (rats, dogs)
- R01AM-16356-02 Regulation of protein turnover in liver (rats)
- R01AM-16408-01 Calcium binding protein of kidney (rats)
- R01AM-16453-02 Chylomicron-formation, structure and function
- R01AM-16457-01 Purification and biochemistry of sulfation factor
- R01AM-16466-01 Cell differentiation (chick embryo)
- R01AM-16497-02 0008 Normal and disordered thyroid hormone economy - Thyroidal iodine metabolism and thyroglobulin maturation (rats)
- R01AM-16505-02 GI hormones-Effect on growth and metabolism of GI mucosa (human, rats)
- R01AM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)
- ** P01AM-16516-03 0001 Biochemistry of normal and diseased connective tissue - Enzymic steps in collagen biosynthesis
- ** P01AM-16516-03 0003 Biochemistry of normal and diseased connective tissue - Electron microscopy of enzymes and related macromolecules in collagen biosynthesis
- ** P01AM-16516-03 0004 Biochemistry of normal and diseased connective tissue - Subcellular structures involved in collagen biosynthesis (chickens)
- ** P01AM-16516-03 0005 Biochemistry of normal and diseased connective tissue - Synthesis and secretion of collagen by matrix-free cells (chick embryo)
- ** P01AM-16516-03 0006 Biochemistry of normal and diseased connective tissue - Scleroderma and related conditions (human)
- R01AM-16530-03 Chemical pathology of amine acid deficiencies (rats)
- R01AM-16551-03 Drug and hormone effects on carbohydrate metabolism (rats)
- ** R01AM-16610-01 Sickle cell anemia and hemoglobin synthesis (monkeys)
- R01AM-16648-01 Hormonal control of muscle protein degradation (rats)
- ** R01AM-16649-01 Mechanism of action of growth hormone (rats)
- ** R01AM-16652-02 Control of collagen biosynthesis in liver cirrhosis (rats, human)
- ** R01AM-16658-01 Nitrogen pools and turnover in surgical patients
- ** R01AM-16666-01 Abnormal hemoglobin synthesis-Mechanism and detection (human)
- R01AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
- ** R01AM-16691-03 Heme and globin synthesis in infants and children (human)
- R01AM-16702-02 Role of erythropoietin in transcriptional control (mice)
- P01AM-16716-01 0003 Pathophysiological bases of muscle diseases - Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs)
- ** P01AM-16716-01 0019 Pathophysiological bases of muscle diseases - Protein synthesis in experimental ventricular hypertrophy (guinea pig, cat, dog)
- ** P01AM-16716-01 0020 Pathophysiological bases of muscle diseases - Muscles in normals, dystrophies, spontaneous hypertension (chicken, rodents, cat)
- P01AM-16716-01 0023 Pathophysiological bases of muscle diseases - Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail)
- R01AM-16737-12 Hemolytic anemias in childhood (human, animals)
- ** R01AM-16746-02 Control of insulin biosynthesis (fish, hamsters, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- RO1AM-16767-02 Control of collagen biosynthesis and maturation (human, swine)
- RO1AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)
- ** RO1AM-16781-02 Ferritin synthesis in normal and malignant cells (rats, human)
- ** RO1AM-16842-01 Biosynthesis of red cell membrane proteins (rabbits)
- ** RO1AM-16847-02 Fetal hb synthesis control and sickle cell anemia (human)
- RO1AM-16865-02 Isolation of preinsulin mRNA (hamsters)
- RO1AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)
- RO1AM-16971-01 Specific polysome isolation in human cells (also rabbits)
- P17AM-17026-01 0002 Vanderbilt University Diabetes-Endocrinology Center - Epidermal growth factor (mice)
- P17AM-17026-01 0022 Vanderbilt University Diabetes-Endocrinology Center - Synthesis and secretion of peptide hormones
- P17AM-17026-01 0031 Vanderbilt University Diabetes-Endocrinology Center - Polyl pathway and the glucuronate-xylose cycle in diabetes
- P17AM-17026-01 0041 Vanderbilt University Diabetes-Endocrinology Center - Role of insulin in growth of human cells in culture
- P17AM-17026-01 0042 Vanderbilt University Diabetes-Endocrinology Center - Diabetes and biosynthesis of collagen
- P17AM-17026-01 0045 Vanderbilt University Diabetes-Endocrinology Center - Prostaglandin synthesis in diabetes (human)
- ** RO1AM-17060-01 Studies of thyroglobulin synthesis (cattle)
- RO1AM-17212-01 Life cycle of adrenal medulla chromaffin granules
- ** RO1AM-17220-01 Biology and chemistry of procollagen in cell culture (mice)
- RO1AM-17327-01 Erythroleukemia and sideroblastic anemia (human)
- RO1AM-17389-01 Cell secretion and membrane formation in the pancreas (guinea pigs, rabbits)
- RO1AM-17398-02 Pathologic effects on cells of modified lipoproteins (rats)
- RO1AM-17447-01 Mechanisms of thyroid hormone action (rats, guinea pigs)
- RO1AM-17456-02 Fat mobilization and protein sparing therapy (human, rats)
- RO1AM-17477-01 Biosynthesis of glycoproteins (rodents, cattle)
- RO1AM-17509-01 Binding and transport functions of intestinal microvilli (hamsters, rats, dogs)
- RO1AM-17526-01 Chylomicron lecithin-Pathways of origin in intestine (rats)
- RO1AM-17542-01 Structure and immunology of urinary glycoprotein (human, rabbits)
- RO1AM-17545-01 Qualitative factors in anterior pituitary regulation
- ** RO1AM-17609-01 Protein synthesis in normal and regenerating liver (rabbits)
- RO1AM-17666-01 Adaptations induced by exercise training (rats)
- ** P17AM-17702-01 0003 Hepatitis cirrhosis center - Hepatic protein synthesis (rabbits, marmosets, clams)
- RO1AM-17742-01 Role of glycoproteins in pancreatic secretion (rats, dogs)
- RO1AM-17775-01 Structure and metabolism of isoferitins (human, horse, rat, mice, rabbits)
- ** RO1AM-17783-01 Proline, glycine and collagen formation (chick embryo, rats)
- RO1AM-18090-01 Genetic regulation of tetrahydrofolate metabolism (fungi)
- ** RO1CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
- RO1CA-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
- ** RO1CA-02146-21 Cytoplasmic factors in cellular growth (rats)
- ** RO1CA-02373-19 Nucleoside and nucleotide derivatives
- RO1CA-02758-19 Steroid metabolism in tumors and normal tissues (mice)
- RO1CA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
- ** RO1CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- ** RO1CA-03571-17 Enzyme biosynthesis and regulation-Urea biosynthesis (frogs)
- RO1CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)
- RO1CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)
- ** RO1CA-05671-14 0003 Glucocorticoid receptors in normal and malignant tissue - Inhibition of RNA by cortisol
- ** RO1CA-05671-14 0004 Glucocorticoid receptors in normal and malignant tissue - Protein biosynthesis and inhibition of glucocorticoids (rats)
- RO1CA-05671-14 0008 Glucocorticoid receptors in normal and malignant tissue - Enzyme induction and gluconeogenesis (mice, guinea pigs, rats)
- RO1CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- RO1CA-06145-13 0005 Chemotherapy of intracranial neoplasms - Corticosteroids (human)
- PO2CA-06519-12 0085 Radiation therapy and biology research program - Single-stranded DNA bacteriophage and animal viruses
- ** PO2CA-06519-12 0088 Radiation therapy and biology research program - Viral proteins in SV-40 infected mammalian cells
- PO2CA-06519-12 0101 Radiation therapy and biology research program - Enzymology of phage T7 RNA synthesis
- RO1CA-06833-11 Factors influencing lymphoma cells (mice)
- RO1CA-06926-12 Biosynthesis of actinomycin, an antitumor agent
- ** PO1CA-06927-12 0014 Biological and biochemical program in cancer research - Basic mechanisms of protein synthesis (rats, bacteria)
- PO1CA-06927-12 0021 Biological and biochemical program in cancer research - Cytodifferentiation (sea urchins)
- ** PO1CA-06927-12 0023 Biological and biochemical program in cancer research - Relationship of ribosomes to proteins biosynthesis
- RO1CA-07139-11 Biochemical studies in polyoma transformed cells
- PO1CA-07175-11 0003 Cancer research at the McArdle laboratory - Carcinogenesis in organ culture (mice)
- ** PO1CA-07175-11 0006 Cancer research at the McArdle laboratory - Chemistry of nuclear membranes (rats, rabbits)
- PO1CA-07175-11 0010 Cancer research at the McArdle laboratory - Mechanism of action of estrogens (rats)
- PO1CA-07175-11 0011 Cancer research at the McArdle laboratory - Growth induction in leukocytes by phytohemagglutinin (human)
- PO1CA-07175-11 0014 Cancer research at the McArdle laboratory - Growth and differentiation (slime molds)
- RO1CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)
- RO1CA-07746-11 Proteins of the cell nucleus (rodents, sea urchins)
- ** RO1CA-08000-10 Protein biosynthesis (rabbits, tunicates, HeLa cells)
- PO2CA-08023-10 0014 Cancer clinical research center - Chemistry of matrix derivatization of proteins
- RO1CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- RO1CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
- ** RO1CA-08306-09 Protein biosynthesis in neoplasia (rats)
- RO1CA-08318-07 Radiation effect on protein and nucleic acid metabolism (rats)
- RO1CA-08348-10 Biochemistry of procarbazine and related hydrazines (rats)
- RO1CA-08416-09 Control of transcription and translation in mammalian cells
- RO1CA-08416-09 Glycoproteins from cancer cells (mice, guinea pigs)
- ** PO2CA-08480-09 0001 Childhood cancer research center - Ribosome particles, their formation and function (E coli)
- ** RO1CA-08487-09 Biosynthetic polydeoxynucleotides (cattle)
- RO1CA-08497-09 Abnormal proteins in multiple myeloma (human)
- RO1CA-08618-09 Cellular responses to irradiation (hamsters)
- RO1CA-08627-08 Antigenic changes in mouse leukemogenesis (mice, rabbits)
- RO1CA-08676-10 Regulation of mammalian enzyme synthesis (rats)
- PO1CA-08748-09 5305 Research program of Sloan-Kettering Institute - Structure and molecular organization of biological membranes (viruses)
- PO1CA-08748-09 5706 Research program of Sloan-Kettering Institute - Dissociation of rat liver ribosomes
- ** PO1CA-08748-09 6003 Research program of Sloan-Kettering Institute - DNA and protein synthesis in regenerating biological systems (mammals)
- PO1CA-08748-09 6206 Research program of Sloan-Kettering Institute - Phenylalanine and uridine uptake by L1210 leukemia cells (mice)
- PO1CA-08748-09 6707 Research program of Sloan-Kettering Institute - Multiplication of reovirus temperature-sensitive mutants
- PO1CA-08748-09 7412 Research program of Sloan-Kettering Institute - Inhibition of proteins biosynthesis by catabolizing enzyme (mice, rats)
- ** RO1CA-08893-07 Protein synthesis in normal and malignant cells (rats)
- RO1CA-10064-12 Hormonally sensitive tumors (mice, rats)
- RO1CA-10137-08 Structure of virus and low molecular weight RNA
- RO1CA-10197-08 Tumor induction by avian myeloblastosis virus
- RO1CA-10232-06 Tumor virus proteins-Studies with specific antisera (rabbits)
- RO1CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
- ** RO1CA-10619-06 Synchronized cells-Controls in growth and division (hamsters)
- ** RO1CA-10628-07 Structure and function of ribosomes (mammals, yeast)
- RO1CA-10641-08 RNA synthesis in animal cells infected with ME virus
- RO1CA-10666-07 0003 Molecular pharmacology of tumor and virus inhibitors - Ricin
- ** RO1CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
- PO1CA-10748-07 0006 Cancer chemotherapy program - Effects of nucleotides and analogs on IMP dehydrogenase (rats, dogs, human)
- ** RO1CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
- PO1CA-10815-06 0046 Consolidated basic cancer research program - Structural changes in chromatin of spermiogenic cells (mammals)
- PO1CA-10815-06 0048 Consolidated basic cancer research program - Regulatory mechanisms of Hb, protein, RNA and DNA synthesis (chick embryo)
- ** PO1CA-10815-06 0050 Consolidated basic cancer research program - Protein initiation in reovirus mRNA (human cells)
- PO1CA-10815-06 0054 Consolidated basic cancer research program - Growth, differentiation and tumorigenesis of neuronal elements (mice)
- ** PO1CA-10815-06 0060 Consolidated basic cancer research program - Production of abnormal proteins in hybrid cells (human, mice)
- PO1CA-10815-06 0069 Consolidated basic cancer research program - Senescence and transformation in steroid-influenced cell growth (cell culture)
- RO1CA-10844-06 Comparative histogenesis of hair and squamate skin (reptiles, cyclostomes, mice)
- RO1CA-10871-07 Structure and function of chromosomal nucleohistone (animals, bacteria)
- RO1CA-10904-06 Biochemical studies in cancer (mice, rats)
- RO1CA-10922-06 Metabolism of animal cell ribosomes (human)
- ** RO1CA-10904-06 Structure and function of ribonucleic acids (bacteria, bacteriophage)
- RO1CA-10993-06 Processing of ribosomal RNA in human cancer (HeLa cells)
- RO1CA-11027-06 Transcription and translation in poxvirus infected cells
- RO1CA-11034-06 Relation of transfer RNA structure and function (rabbits, bacteria)
- RO1CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of antitumor drugs
- RO1CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
- RO1CA-11155-06 Salivary gland hyperplasia and hypertrophy
- PO2CA-11198-06 0001 Cancer research center - Influence of synthetic progestins on canine mammary glands & organ cultures
- ** PO2CA-11198-06 0003 Cancer research center - Estrogen binding protein (dogs, toads, human)
- ** RO1CA-11262-06 Altered components of protein synthesis (bacteria, viruses)
- RO1CA-11271-06 Biochemical studies of hepatoma production by ethionine
- PO1CA-11405-06 0014 Core program on etiology of cancer - Biochemical mechanism of virus induced chromosome breaks (human)
- ** RO1CA-11463-05 Regulation of histone biosynthesis in heteropoloid cells (HeLa cells)
- RO1CA-11472-04 Hemopoietic control mechanisms (mice)
- RO1CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
- ** RO1CA-11595-14 Regulation of cellular syntheses and activities (bacteria, animal cells)
- RO1CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- RO1CA-11714-03 Potential inhibitors of asparagine biosynthesis (rats, human)
- RO1CA-11797-05 mRNA translation in normal and neoplastic cells (mammals, microorganisms, beans)
- RO1CA-11854-04 Characterization of ribosomal RNA methylases (bacteria, viruses, animal cells)
- RO1CA-11861-05 Control of viral RNA synthesis in herpes virus infection
- RO1CA-11895-05 Molecular biology of tumor viruses
- RO1CA-11950-04 Mammalian RNA synthesis during amino acid deprivation (L cells, HeLa cells, rats)
- RO1CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- RO1CA-12067-04 Electron microscopic and cytochemical studies of DNA (human, rats)
- RO1CA-12073-04 Chromatin in normal and pathological liver cells (rats)
- RO1CA-12101-04 Molecular biology of RNA cancer viruses (cats)
- RO1CA-12122-02 Vitamin A acid localization in the keratocanthoma (rabbits)
- RO1CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
- M PO1CA-12174-04 Growth and cell control processes
- PO1CA-12174-04 0004 Growth and cell control processes - Gene order of the poliovirus capsid proteins

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01CA-12174-04 0008 Growth and cell control processes - Synthesis of DNA complementary to natural messenger RNA
- ** P01CA-12174-04 0018 Growth and cell control processes - Effect of inhibition of protein synthesis on DNA synthesis (mammals)
- P01CA-12174-04 0022 Growth and cell control processes - Messenger RNA metabolism (human, animals)
- P01CA-12174-04 0024 Growth and cell control processes - Adenovirus metabolism (human)
- ** P01CA-12174-04 0026 Growth and cell control processes - Control mechanisms concerned with chromosome replications (animals)
- ** R01CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- R01CA-12191-05 Hormones and control mechanisms in cultured mammalian cells (rats)
- P02CA-12197-03 0009 Multidisciplinary oncology research center - Viruses associated with amphibian neoplasms
- ** R01CA-12210-14 Cellular control mechanisms (mammals)
- P01CA-12227-04 0003 Core program in carcinogenesis - Cellular proliferation in mammalian cells
- P01CA-12227-04 0016 Core program in carcinogenesis - Control of hemoglobin synthesis by erythroid cells (human)
- R01CA-12229-05 Biochemistry of regulatory processes in synchronized cells (HeLa, rats)
- R01CA-12301-03 Ribonucleoprotein particles of the cell nucleus (rats)
- R01CA-12312-04 Mitochondrial DNA in malignant cells (human, mice)
- R01CA-12382-03 Virus associated neoplasms (rabbits)
- R01CA-12383-03 Asparagine analogs effects of allograft, leukemia (mice)
- ** R01CA-12391-03 Molecular interactions of nucleic acids
- ** R01CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
- R01CA-12413-03 Free and membrane-bound polysomes
- R01CA-12421-02 Isolation and sequence analysis of immunoglobulin mRNA (mice)
- R01CA-12427-03 Amino acid control of RNA synthesis (bacteria)
- R01CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
- R01CA-12468-04 Melanosome proteins and control by pigmentation genes (mice)
- R01CA-12550-04 RNA synthesis and transport in mammalian cells (mice, rabbits, chickens)
- R01CA-12561-03 Virus development and translational control
- R01CA-12563-04 Mechanisms of enzyme induction by cyclic nucleotides (rats)
- R01CA-12565-03 Genetic control of macromolecular synthesis
- ** R01CA-12574-04 Modification of NH2-terminal region of proteins (E coli, mice, chickens)
- R01CA-12635-03 Pathogenesis of plasma cell tumors (mice)
- ** R01CA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
- R01CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
- R01CA-12693-03 Modification of x-ray induced damages in phage T4
- P01CA-12708-03 0001 Studies of normal and malignant growth - Phosphorylation of human erythrocyte membrane proteins
- P01CA-12708-03 0002 Studies of normal and malignant growth - Ribosome structure and function (human, rats, rabbits, microorganisms)
- ** P01CA-12708-03 0003 Studies of normal and malignant growth - Organization of protein synthetic machinery (mammals)
- P01CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
- P01CA-12708-03 0010 Studies of normal and malignant growth - Chromatin structure in eukaryotic cells (human)
- ** R01CA-12712-03 Protein turnover in normal and transformed animal cells (rats)
- R01CA-12718-03 Membrane properties of normal and tumor cells (human)
- R01CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
- R01CA-12741-03 Effect of virus-induced transformation on tRNA (mice, virus)
- R01CA-12752-03 Protein synthesis in tumors (mice, bacteria)
- P01CA-12800-03 0001 Immune functions and cancer - Proliferation and differentiation of lymphoid cells (human, mice)
- ** R01CA-12808-03 Protein turnover during neoplasia (rats)
- ** R01CA-12809-03 Protein initiation in a model mammalian cell-free system (chick embryo)
- R01CA-12857-03 Function and interactions of mammary carcinoma cells (rats)
- R01CA-12858-03 Biogenesis of lysosomes-Normal and neoplastic tissue (rats)
- ** P01CA-12923-02 0001 A correlated study on the biology of neoplasia - Factors that control cellular proliferation in mammalian cells (human, mice)
- P01CA-12923-02 0002 A correlated study on the biology of neoplasia - Stimulation of DNA synthesis by SV-40 (mice)
- P02CA-12924-03 0033 Tufts cancer research center - Control of immunoglobulin synthesis in mouse myeloma cells
- ** R01CA-13008-03 Control of protein synthesis in viral oncogenesis
- R01CA-13014-03 Proteins of plasma cell cancers (human, rats, mice)
- R01CA-13047-03 Control mechanisms of differentiation and malignancy
- ** P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
- P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
- R01CA-13118-03 Preparation of L-3-amino-nucleosides and nucleotides
- P02CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
- ** P02CA-13148-03 0053 Pilot cancer center - Mechanisms and regulation of protein synthesis (human, bacteria)
- ** R01CA-13220-03 Membrane biochemistry of neoplastic cells
- ** P01CA-13330-03 0023 Cancer research program - Virus-host cell interaction
- P01CA-13330-03 0035 Cancer research program - Genetic approach to RNA metabolism of eukaryotes (yeast)
- ** P01CA-13330-03 0041 Cancer research program - Adenovirus DNA and protein synthesis (human)
- P01CA-13330-03 0053 Cancer research program - Interaction of a picorna virus with cultured lymphocytes (human)
- ** P01CA-13330-03 0056 Cancer research program - Cell growth and morphogenesis (fungi)
- P01CA-13330-03 0058 Cancer research program - Protein turnover in normal and transformed animal cells (rats)
- R01CA-13402-03 Surface membranes in normal and cancer cells (human)
- R01CA-13418-03 Endocrine factors in normal and leukemic leukocytes (human)
- R01CA-13422-02 Biochemical studies of rat hepatoma cells in culture
- R01CA-13453-03 Antigens from human cancer tissue
- P01CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)
- ** P01CA-13526-03 0002 Correlated study of metabolic regulation in neoplasia - Role of cyclic AMP in regulation of metabolism in neoplastic tissues
- ** P01CA-13526-03 0008 Correlated study of metabolic regulation in neoplasia - Control mechanisms of protein biosynthesis (rats)
- ** R01CA-13533-03 Ectopic placental proteins in cancer (human)
- R01CA-13548-02 Controlled differentiation of tumor cells (mice)
- ** R01CA-13592-05 Ribosomal mapping with carbocyclic puromycin analogs (bacteria)
- ** R01CA-13596-03 Directed protein synthesis in mammalian cells (rabbits, mice, HeLa cells)
- R01CA-13625-03 0001 Myeloma tumors in cell culture - Loss of oncogenicity (mice)
- ** R01CA-13625-03 0002 Myeloma tumors in cell culture - Control or modulation of differentiated function (mice)
- R01CA-13625-03 0006 Myeloma tumors in cell culture - Human myeloma cells
- P02CA-13696-02 0003 Clinical cancer research center - Human leukemic cell differentiation
- R01CA-13745-02 Regulation of prostatic growth by androgens (human, rats)
- R01CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
- ** P02CA-13943-02 0011 Clinical pharmacology immunology cancer research center - Inhibition of RNA and protein synthesis
- P02CA-13943-02 0019 Clinical pharmacology immunology cancer research center - Biology of preneoplastic livers and liver tumors (mice)
- P02CA-13943-02 0050 Clinical pharmacology immunology cancer research center - Dermatology
- ** R01CA-13953-02 Control of myeloma tumor growth (mice)
- R01CA-13980-02 Enzyme regulation in normal and neoplastic cells (rats)
- R01CA-14049-02 Cell-mediated immunity to ascites tumors (mice)
- ** P01CA-14097-02 0001 Cancer research program-Viruses; control mechanisms - Structure, function and interactions of biological macromolecules
- P01CA-14097-02 0006 Cancer research program-Viruses; control mechanisms - Regulation of nucleic acid synthesis and genetic recombination (bacteriophage)
- P01CA-14097-02 0014 Cancer research program-Viruses; control mechanisms - Neuronal connections, synaptic function and plasticity (mammals)
- R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
- ** R01CA-14238-02 Synthesis of ornithine decarboxylase inhibitors (rats)
- P01CA-14395-02 0009 Cancer research center of Greater Miami - Aminoacyl-tRNA synthetases of leukemic cells (human)
- R01CA-14406-02 DNA-dependent RNA polymerases in normal and malignant cells, (mice)
- R01CA-14441-02 Copper and carotoplasm metabolism in cancer
- R01CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- R01CA-14525-02 Biochemistry of normal and leukemic lymphocytes (human)
- R01CA-14576-02 Energy metabolism and leukemic lymphocytes (human)
- P01CA-14599-01 0015 University of Chicago Cancer Research Center - Role of insulin in biochemical regulation (rats)
- ** P01CA-14599-01 0017 University of Chicago Cancer Research Center - Proteins of 40S and 60S subparticles of eukaryotic liver ribosomes (rats)
- ** P01CA-14733-02 0008 Control of gene expression, virus replication and cell growth - Protein synthesis in density inhibited animal cells
- ** P01CA-14733-02 0009 Control of gene expression, virus replication and cell growth - Biosynthesis of proteins during mitosis (tissue culture)
- ** P01CA-14733-02 0010 Control of gene expression, virus replication and cell growth - Proteins biosynthesis in serum-deprived cells
- P01CA-14733-02 0012 Control of gene expression, virus replication and cell growth - Muscle development (chick embryo)
- P01CA-14733-02 0013 Control of gene expression, virus replication and cell growth - Differentiation of muscle cells (mammals)
- ** P01CA-14733-02 0015 Control of gene expression, virus replication and cell growth - Protein synthesis in virus-infected cells (human)
- ** P01CA-14733-02 0016 Control of gene expression, virus replication and cell growth - Mengovirus proteins from large precursor polypeptides (human)
- ** P01CA-14733-02 0017 Control of gene expression, virus replication and cell growth - Ribosomal proteins and protein elongation factors (mammals)
- P01CA-14733-02 0019 Control of gene expression, virus replication and cell growth - Mutagenic DNA and RNA polymerase in phage T4
- ** P01CA-14733-02 0022 Control of gene expression, virus replication and cell growth - Mechanisms of interferon action and viral protein synthesis
- ** P01CA-14733-02 0023 Control of gene expression, virus replication and cell growth - Protein-nucleic acid interactions (mammals)
- R01CA-14787-01 Transcription and translation of tumor virus RNA
- R01CA-14881-02 Regulation of tyrosine synthesis in hepatoma cells (rats)
- R26CA-14905-02 Glycoprotein metabolism in colonic neoplasia (human, rats)
- R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- R26CA-14917-02 Pyrimidine synthesis and cellular proliferation in colon (mammals, nonhuman)
- R01CA-14991-02 Renewal of premalignant and malignant intestinal cells (human, hamsters)
- R01CA-15056-01 Antineoplastic peptides from urine
- R01CA-15062-01 Normal and cancerous prostate (human, rats)
- R01CA-15111-01 Pharmacology and biochemistry of the oncogen, diacene
- P02CA-15145-01 0009 Cancer center support grant - Nuclear proteins and transcription of chromatin from trophoblast (hamsters)
- P02CA-15145-01 0015 Cancer center support grant - Metabolism of murine L-1210 leukemic cells
- P02CA-15145-01 0016 Cancer center support grant - Control of cell division (tissue culture)
- P02CA-15145-01 0031 Cancer center support grant - Estrogen action on DMBA-induced mammary tumor in rats
- R01CA-15229-01 Actin and tubulin in cancer cells (human)
- ** R01CA-15378-01 Radiation-induced modifications in protein synthesis (human, Tetrahymena)
- R01CA-15579-01 Tumor virus DNA replication-A probe into oncogenesis
- R01CA-15594-01 Effects of radiation on replicating endothelial cells (mice)
- R01CA-15613-01 Translation of RNA virus messengers
- ** R01CA-15615-01 Effects of hydrazines on RNA and polyamines (rats)
- P01CA-15655-01 0025 Cancer center support grant - Enzymic control of division cycle (protozoa)
- P01CA-15655-01 0027 Cancer center support grant - Cyclic nucleotides and cell division control (mice)
- ** R01CA-15671-01 Myeloma proteins, mechanisms of synthesis regulation
- P02CA-15688-01 0001 Program in medical oncology - Normal and malignant hematopoietic cell differentiation (human)
- R01CA-15697-01 Altered RNA metabolism in chronic lymphocytic leukemia (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- R01CA-15796-01 Steroid hormonal effects on renal carcinoma (hamsters)
- R26CA-15799-01 A model for colonic cancer-associated antigens (human, hamsters)
- PO1CA-15823-01 0003 Program in developmental biology of cancer - Functional and nuclear differentiation (rats, rabbits)
- R01CA-15831-01 Nuclear envelope in normal and tumor cells (mice)
- R01CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)
- ** R01CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
- R01CA-15979-01 0001 Cholesterol metabolism in normal and malignant liver - Hydroxymethylglutaryl Co A reductase characterization (rats)
- R01CA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
- R01CA-16007-01 Gene expression of oncogenic viruses
- ** PO1CA-16038-01 0010 Program on the molecular basis of viral transformation - Control of transcription and translation (bacteriophage)
- R01CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
- PO1CA-16127-01 0017 Cancer Research and Treatment Center Program - Metabolism of benzo(A)pyrene (human, laboratory animals)
- R01CA-16206-01 Ricin-A plant agglutinin with antitumor properties
- PO1CA-16228-01 0007 Cell membrane in proliferation and oncogenesis - Intramembranous particles-Glycoproteins-Growth control (mice)
- ** PO1CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
- R01CA-16265-01 Cytochrome P450 in carcinogenesis and steroid synthesis (rats, cattle)
- ** R01CA-16318-01 Molecular mechanisms in resistance to folate analogues (mice)
- R01CA-16329-01 Biology of the reticuloendotheliosis virus group (chickens)
- R01CA-16368-01 Control of differentiation of erythroleukemic cells (human, mice)
- R01CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- R01CA-16890-01 Chemotherapeutic deoxyribonucleosides
- R01CA-16959-09 Mengovirus replication in rat hepatoma cells
- ** R01CA-17037-01 Serum protein synthesis by mouse hepatoma cells
- N01CB-43883-00 Human peripheral blood mononuclear cell
- N01CB-43932-00 Mechanisms for cell-mediated destruction of tumor cells
- ** N01CM-43787-00 Antitumor drugs and effects on protein synthesis (mammals)
- N01CM-60029-20 Biochemical problems related to cancer chemotherapy
- ** N01CP-33366-01 Nucleic acids and proteins of the avian myeloblastosis virus
- N01CP-33403-01 Relation fetoglobulins to induction of hepatoma by chemical carcinogen (rodent)
- N01CP-92083-07 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- ** R01DA-00022-08 Narcotic addiction and brain protein metabolism (mice)
- R01DA-00026-07 Biochemical mechanisms in drug addiction (guinea pigs, mice)
- ** R01DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
- R01DA-00109-03 Morphine tolerance and high sensitivity measurement (rats)
- ** R01DA-00114-03 Effect of narcotic agents on brain metabolism (rats)
- R01DA-00116-03 Cellular sites of action of marijuana constituents (rats)
- ** R01DA-00259-03 0002 Drug abuse research center - Effects of morphine on brain protein synthesis (rats)
- R01DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
- R01DA-00289-02 Mechanism of narcotic action tolerance and dependence
- R01DA-00308-02 Immunology of drug action and neutralization (rabbits)
- ** R01DA-00564-02 Morphine analgesia and addiction-Neurochemical correlates (mice, rats)
- R01DE-01382-14 Calcification mechanisms (mollusks, algae, chickens, echinoderms)
- R01DE-01523-13 Metabolic pathways in bone (mice)
- R01DE-01701-12 Oral pathology-Electron microscopy (human, dogs, rats, rabbits, snails)
- R01DE-02120-10 Salivary gland DNases (rats)
- R01DE-02329-09 Granulo synthesis in salivary glands (dogs, rats, mice, sea mussels)
- P13DE-02600-08 0005 Planning of a research center in oral biology - Human parotid proteins
- P13DE-02600-08 0008 Planning of a research center in oral biology - Nutrients and oral and paraoral structure (rats)
- P13DE-02600-08 0012 Planning of a research center in oral biology - Characterization of the microfibrils of connective tissue
- ** P13DE-02668-08 0003 Dental research center - Mineral metabolism (mollusks)
- PO1DE-02848-06 0001 Biology of connective tissue, bones and teeth - Cellular-molecular interactions in odontogenesis (rabbits, chick embryo, mice)
- PO1DE-02848-06 0010 Biology of connective tissue, bones and teeth - Genetic regulation during salivary gland development (rabbits, mice)
- ** PO1DE-02848-06 0011 Biology of connective tissue, bones and teeth - Translational regulation during cranial facial development (rats)
- PO1DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
- PO1DE-02848-06 0017 Biology of connective tissue, bones and teeth - Collagen and glycosaminoglycan metabolism in the periodontium (marmosets, human)
- PO1DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
- R01DE-03246-05 Biochemical mechanisms relevant to dental research (E coli)
- R01DE-03318-03 Biochemistry of surgically wounded palatal mucosa (rats, human)
- R01DE-03469-03 Teratogens on cleft palate formation (mice)
- R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
- R23DE-03655-02 Keratinization of normal and altered epithelium
- R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- ** R01DE-03796-03 Statolith differentiation in Aurelia (jellyfish)
- R23DE-03947-01 Female sex hormone mechanism in pregnancy gingivitis
- P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary cells (human)
- P10ES-00159-09 0012 Center for study of the human environment - Trace metal requirements for connective tissue synthesis in cell culture
- R01ES-00400-06 Microsomal enzymes (army worms, mammals)
- ** R01ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)
- P01ES-00481-03 0005 Subcellular pathology of heavy metals - Effect of lead on renal mitochondria (rats)
- R01ES-00560-03 Perinatal pesticide toxicity (mice, rats)
- R01ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
- ** R01ES-00807-01 Selenium toxicity-Role of methionyl-tRNA synthetases (plants)
- R01ES-00836-02 Effects on the immune system of cadmium toxicity (mice, rabbits)
- R01ES-00839-01 Nitrogen dioxide induced alterations in lung macrophage function
- R01ES-01024-01 Chloramphenicol effects on carbon tetrachloride induced liver damage (rats)
- R01ES-01033-03 Damage to nucleic acids by bisulfite-Sulfur dioxide (E coli, rats, rabbits)
- ** R01ES-01077-09 Synthesis and localization of biogenic amines in brain (rats)
- ** R01EY-00046-05 Biosynthesis of visual pigment rhodopsin (rats, frogs)
- R01EY-00281-10 Wound healing in lens epithelium (frogs)
- ** P01EY-00331-08 0002 Retinal morphology, function and clinical characteristics - Morphology and biochemistry (frogs, rats, primates)
- P01EY-00331-08 0003 Retinal morphology, function and clinical characteristics - Functional biochemistry (frogs, rats, cattle, rabbits)
- R01EY-00362-07 Control of cell division in the ocular lens (rabbits)
- R01EY-00395-06 Maturation of metabolism in normal and dystrophic retina (mice)
- R01EY-00423-06 Studies upon the ocular lens (human, calves)
- R01EY-00459-05 Near ultraviolet light effects on ocular tissues (human, animals)
- ** R01EY-00515-06 Vitamin A and protein synthesis in cornea (rats)
- R01EY-00541-05 Control of corneal hydration and transparency (rabbits, sheep)
- R01EY-00625-03 Electron microscopy of stored and preserved corneas (human, rabbits)
- R01EY-00759-03 Aging and the ocular lens (cattle)
- R01EY-00776-03 Melanotic differentiation of eye pigment epithelium (chick embryo)
- ** R01EY-00786-03 Role of tRNA in control of protein synthesis in lens (cattle, rats, rabbits)
- R01EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- R01EY-00952-03 Fibroblast differentiation during corneal development (chick embryo)
- R01EY-01406-01 Retina-Photoreceptor membrane synthesis and function (human, frogs, fish)
- R01FD-00149-12 Sanitation of freeze-dried foods (bacteria)
- R01FD-00585-01 Ribosome alteration and assembly in stressed cells
- R01GM-04922-18 Heme and chlorophyll biosynthesis (chick embryo, mice, barley)
- R01GM-06048-16 Regulation of enzyme synthesis in bacteria
- R01GM-06637-15 Support of central laboratory for electron microscopy (biology)
- R01GM-07446-15 Metabolism and biological function of inositol (bacteria)
- ** R01GM-08647-13 Mechanism of messenger-RNA translation (microorganisms)
- R01GM-08710-13 Sequence of amino acids in proteins by computer aids
- ** R01GM-08995-13 Genetic control of protein synthesis (Neurospora, yeast)
- ** R01GM-09042-13 Structural basis of ribonucleic acid specificity (mammals, bacteria)
- R01GM-09320-13 Control of genome expression (bacteria)
- R01GM-09396-13 Peptide antibiotics and bacterial sporulation
- ** R01GM-09541-13 Role of ribonucleic acid in protein synthesis
- R01GM-09654-13 Histone metabolism (liverwort, insects)
- R01GM-10017-12 Chemical forces stabilizing protein structure (yeasts, plants, mammals)
- ** R01GM-10067-12 Gene-enzyme relationships in Neurospora (also chickens, sea urchins, bacteria)
- R01GM-10317-12 Biochemistry of selenium compounds (bacteria)
- R01GM-10499-12 Chromosome structure in relation to gene action (amphibians, plants, insects)
- ** R01GM-10791-12 Mechanism of biosynthesis of proteins (wheat, yeast, cattle, mice, E coli)
- R01GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
- R01GM-10999-10 Mummalian messenger RNA and protein biosynthesis (mice)
- ** P01GM-11301-12 0002 Structure, function and biosynthesis of macromolecules - Control mechanism in synthesis of macromolecules (Blastocystis, phage)
- P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- P01GM-11301-12 0006 Structure, function and biosynthesis of macromolecules - Control of gene expression during prokaryotic developmental processes (bacteria)
- R01GM-11494-11 Ion transport in tissues of hibernating mammals
- R01GM-11726-11 Gene expression and content in cell differentiation (human, mice)
- R01GM-11738-10 Primary structure of ribosomes (E coli, A vinelandii, B stearothermophilus)
- R01GM-11777-11 Gene transformation and genetic molecular development (Drosophila)
- ** R01GM-11899-11 Control mechanisms in enzyme biosynthesis (bacteria)
- ** R01GM-11946-12 Properties of transforming and infectious DNAs (microorganisms)
- ** R01GM-12053-11 Biochemical control of macromolecular synthesis (E coli, phage)
- ** R01GM-12228-11 Biosynthesis of respiratory enzymes (fungi)
- R01GM-12323-10 0001 Biochemical genetics - Heterogeneity of mitochondria in the house mouse
- ** R01GM-12323-10 0014 Biochemical genetics - Mitochondrial protein synthesis
- ** R01GM-12573-10 Mechanism of action of cytotoxic drugs
- P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
- P11GM-12675-10 0057 Biochemical toxicology and pharmacology - Chemical carcinogens and polysome association with endoplasmic reticulum (rats)
- ** R01GM-12702-10 Genetic control of cytochrome C in yeast
- R01GM-12934-10 Synthesis of infectious bacteriophage particles
- R01GM-13221-09 Genetic recombination and replication in bacteriophage (E coli)
- R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
- R01GM-13554-09 Structure and replication of bacterial viruses
- R01GM-13626-09 Control of RNA synthesis
- R01GM-13864-09 Intracellular site of synthesis of specific enzymes (rats, HeLa cells)
- P01GM-13882-09 0002 Cell transformations, division and motion - Cell differentiation (chick embryo, sea urchin, Blastocystis, Drosophila)
- P01GM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
- ** R01GM-13957-08 Biosynthesis and biological function of polyamines (bacteria, cattle)
- ** R01GM-13972-08 Polypeptide biosynthesis-Metabolic regulation (bacteria, rabbits, yeast)
- R01GM-14033-08 Control mechanisms in gluconeogenesis (tetrahymena, rats, ground squirrels)
- R01GM-14398-08 Control of the replication of bacterial episomes (also yeast)
- P01GM-14546-08 0049 Influence of acute illness and injury on energy - Nutritional status in normal and injured patients

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**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1GM-14552-08 0007 Normal and abnormal cell growth multidiscipline study - Molecular basis of the cellular defect in B thalassemia (human)
- PO1GM-14552-08 0008 Normal and abnormal cell growth multidiscipline study - Synthesis of abnormal globin chains (human)
- PO1GM-14552-08 0014 Normal and abnormal cell growth multidiscipline study - Clinical disease, biochemical defects and genetic determinants
- PO1GM-14552-08 0019 Normal and abnormal cell growth multidiscipline study - Mechanism of stabilization of synthetic capacity for hemoglobin
- RO1GM-14582-08 Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters)
- ** RO1GM-14595-08 0001 Continuity of cellular organelles - Pyrenoid differentiation (Euglena)
- ** RO1GM-14595-08 0005 Continuity of cellular organelles - Chloroplast enzymes synthesized outside the chloroplast (Euglena)
- RO1GM-14642-07 Synthesis and assembly of microtubules (algae)
- ** RO1GM-14652-08 Genetic control of protein synthesis in E coli
- RO1GM-14825-08 Conformation of tRNA and model oligonucleotides
- RO1GM-14957-07 R-RNA, ribosome synthesis in bacteria and animal cells
- PO1GM-15003-13 0013 The biological functions of metals - Intracellular enzyme inhibitors (human, E coli, plants)
- RO1GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)
- ** RO1GM-15102-07 Regulation of leucine biosynthesis by and product inhibition (bacteria, yeasts)
- ** RO1GM-15122-07 Initiation and peptide synthesis in vitro (wheat)
- RO1GM-15142-06 In vitro synthesis of RNA (T4 bacteriophage)
- ** RO1GM-15156-07 Biochemical interrelations of nucleus and cytoplasm (protozoa, mammals)
- RO1GM-15225-07 Structural analysis of biological macromolecules (bacteria, phages, yeast)
- PO1GM-15253-08 0002 Genetics in medicine-Gene action in man - Structure of epsilon chains
- PO1GM-15253-08 0021 Genetics in medicine-Gene action in man - Gonatropin control of oocyte maturation (mice)
- PO1GM-15253-08 0025 Genetics in medicine-Gene action in man - Isolation and base sequence of normal and mutant m RNA
- ** PO1GM-15253-08 0027 Genetics in medicine-Gene action in man - Hemoglobin development in man
- RO1GM-15255-09 Mutation and suppressor studies of a bacterial gene
- RO1GM-15399-07 Enzymatic synthesis of biologically active macromolecules (E coli, T3)
- ** RO1GM-15408-07 Regulation of histidine biosynthesis in yeast
- PO1GM-15422-07 0003 Program project in genetics - Genetics of proteins (human, mice)
- PO1GM-15422-07 0005 Program project in genetics - Structure and function of ribosomes (microorganisms)
- PO1GM-15422-07 0013 Program project in genetics - Biochemical and developmental genetics of maize
- ** RO1GM-15438-07 Characterization of mammalian mitochondrial ribosomes (cattle, E coli)
- ** P11GM-15477-08 0121 Drug metabolism and biochemical pharmacology - Protein synthesis and narcotics tolerance (mice, rats)
- ** RO1GM-15539-07 Reactions of physiological importance
- RO1GM-15697-07 Molecular mechanisms of information transfer (E coli, T7 phage)
- P11GM-15759-08 0025 Clinical pharmacology in rheumatic and muscular diseases - Effects of azathioprine and cyclophosphamide on cellular functions (human)
- RO1GM-15766-07 Regulatory mechanisms in E coli
- M RO1GM-15792-08 Structure and relations of proteins and nucleic acids
- ** RO1GM-15792-08 0001 Structure and relations of proteins and nucleic acids - DNA-protein interactions (bacteria)
- ** RO1GM-15883-10 Genetic structure and function in human cells
- PO1GM-15904-07 0018 Anesthesiology center for research and teaching - Anesthesia and lung chemistry
- PO1GM-15991-06 0050 Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)
- RO1GM-16213-07 Some novel synthesis of oligonucleotides
- ** RO1GM-16317-06 Enzymology and control of amino acid activation (rats, rabbits)
- ** RO1GM-16320-06 Biogenesis of mitochondria (yeast)
- RO1GM-16389-06 Proteins of the cell membrane (human, rabbits)
- RO1GM-16541-06 Biochemical genetics of Neurospora circadian rhythms
- RO1GM-16648-06 Cell-free systems for the study of gene regulation (E coli)
- RO1GM-16714-06 Homeostasis in mammalian hibernation (hamsters, ground squirrels)
- RO1GM-16835-06 Ribosome function-Antibiotic action
- RO1GM-16952-05 Alkylation of synthetic polynucleotides (bacteria)
- RO1GM-16974-05 Sulfenic acids as enzyme functional group (pseudomonas)
- ** RO1GM-16995-05 Protein-nucleic acid interactions
- RO1GM-17020-06 Genetic control of bacteriophage development
- ** RO1GM-17078-05 Genetic and chemical studies of phage lambda development
- ** RO1GM-17101-03 (bacteria) The mechanism of translocation
- ** RO1GM-17151-05 Structure and function of sRNA (yeast, E coli, wheat)
- ** RO1GM-17152-05 Multivalent repression-Mechanism and role of tRNA (bacteria)
- RO1GM-17239-05 Control of gene expression in mammalian cells (rats)
- ** RO1GM-17702-05 0011 Human biochemical genetics - Genetic regulation of hemoglobin structure and synthesis (human, rabbits)
- RO1GM-17709-04 Gene control of eucaryote cell growth and division (yeast)
- RO1GM-17712-04 Hormonal control of gene expression in animal cells (human, rats)
- RO1GM-17724-04 Plasma membrane structure, function and biogenesis (rats)
- RO1GM-17773-04 Membrane formation in cytodifferentiation (rat pancreas)
- RO1GM-17856-03 Role of cyclic AMP in development (protozoa, fungi)
- ** RO1GM-17866-21 Genetic control of macromolecular syntheses (leeches)
- RO1GM-17892-04 Regulation of bacterial metabolism
- RO1GM-17924-04 Ribosome structure and function (E coli)
- ** RO1GM-17973-04 Role of nucleic acids in cell differentiation (mice, rats, rabbits, E coli)
- ** RO1GM-18006-03 Membranes of bacteria and tumor cells (E coli)
- RO1GM-18014-04 Regulation of gene expression in synchronized cells (protozoa)
- ** RO1GM-18080-04 Genetic translation as a cellular control mechanism (Drosophila)
- ** RO1GM-18103-02 Mitochondrial biogenesis during oogenesis (Xenopus laevis)
- PO1GM-18153-04 0001 Gene control of mammalian cell differentiation - Gene transcription during erythroid cell differentiation (mice, human)
- PO1GM-18153-04 0009 Gene control of mammalian cell differentiation - Somatic cell hybridization (mice, human)
- RO1GM-18185-07 Ribosome formation and ribosomal function (bacteriophage, E coli)
- ** RO1GM-18186-12 Control mechanisms of protein synthesis (mammals)
- RO1GM-18293-04 Genetics of bacterial ribosomes
- RO1GM-18472-04 Ligand binding to subunit proteins (human, ungulates, viruses)
- RO1GM-18483-04 Drugs and gene activation (plants)
- ** RO1GM-18538-03 Enzyme synthesis during synchronous cell development (slime molds)
- ** RO1GM-18541-04 Structural analysis of crystalline ribosomes (chick embryo)
- ** RO1GM-18566-03 Evolution of regulatory mechanism (bacteria)
- RO1GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
- RO1GM-18669-06 Chloramphenicol-induced marrow aplasia-Pathogenesis (human, monkeys, dogs)
- ** RO1GM-18729-02 Genetic regulatory mechanism in cellular differentiation(Drosophila)
- RO1GM-18735-03 Control of growth and division (bacteria)
- ** RO1GM-18775-03 Factors controlling protein biosynthesis (E coli, bacteriophage T4)
- RO1GM-18776-03 Bacteriophage T4 morphogenesis and packing of DNA
- ** RO1GM-18796-03 Genetic code, protein synthesis in mammalian systems (rabbits)
- ** RO1GM-18814-03 Kinetics and mechanisms of protein self-assembly (children, cattle)
- RO1GM-18842-03 Genetic control of phage T4 DNA replication
- ** RO1GM-18855-03 Ribosome function in eukaryotes
- ** RO1GM-18868-03 Biosynthesis of cytochrome oxidase (yeast, cattle)
- RO1GM-18904-03 Regulation of differentiation in germinating spores
- ** RO1GM-18910-03 Genetic control of protein synthesis in eucaryotes (Drosophila)
- RO1GM-18936-04 Circular DNA elements in Bacillus megaterium (bacteria)
- RO1GM-18953-03 Specific M-RNA control by canavanine and arginine (bacteria)
- ** RO1GM-18958-06 Mechanisms of phage RNA-stimulated protein synthesis
- RO1GM-18969-03 Types of genetic mechanisms controlling melanogenesis (chickens)
- RO1GM-19079-03 0004 One MEV scanning transmission electron microscope - Structural studies of the ribosomes
- PO1GM-19100-03 0005 Genetics research center - Transplantable insulinoma as model of beta cells (hamsters)
- PO1GM-19100-03 0018 Genetics research center - Developmental genetics (Caulobacter crescentus)
- PO1GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycomycete (Blastocladiella emersonii)
- PO1GM-19100-03 0023 Genetics research center - RNA and ribosome synthesis (HeLa cells, yeast)
- PO1GM-19100-03 0028 Genetics research center - Genetic differentiation of erythroleukemia cells (mice, human)
- ** RO1GM-19100-03 New tools for investigation of protein biosynthesis (bacteria)
- ** RO1GM-19123-03 Synthesis of mammalian mitochondrial hemoproteins (rats)
- RO1GM-19130-03 Developmental genetics of spermatid differentiation (Drosophila)
- ** RO1GM-19154-03 Control of surface protein synthesis (microorganisms)
- RO1GM-19167-03 Function of bacterial membranes in DNA replication
- ** RO1GM-19168-03 Role of RNA polymerase in bacterial differentiation
- RO1GM-19185-03 Genetics of ribosome synthesis and antibiotic resistance
- RO1GM-19197-03 Mitochondrial glycoproteins-Biosynthesis and function (rats, yeasts)
- RO1GM-19242-03 Ontogeny and the genetic control of enzyme activity (Drosophila)
- RO1GM-19247-03 Biochemical basis for establishment of cell polarity (algae)
- RO1GM-19311-03 Synthesis, conformation, and mode of action of tenofozin (plants)
- RO1GM-19378-02 Regulation of the production of mammalian ribosomes (mouse L-cells)
- RO1GM-19386-03 Synthesis and assembly of enzymes in eukaryotes (yeast)
- ** RO1GM-19398-01 Fungal spore germination and mitochondrial biogenesis
- RO1GM-19410-03 Molecular genetics of membrane assembly in Neurospora
- RO1GM-19422-03 Precursors, mutants, and function of tRNA (E coli)
- RO1GM-19427-03 Hereditary control of organelle structure and function (algae)
- ** PO1GM-19489-03 0010 Study of human genetics - Role of homocysteine in pathogenesis of homocystinuria
- RO1GM-19511-03 Assembly of a membrane-bound multi-enzyme complex
- PO1GM-19513-03 0007 Human genetics - Control of hemoglobin synthesis in A/S heterozygotes
- PO1GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
- ** PO1GM-19521-03 0002 Genetic study of mammalian control systems - Properties of single lysosomes and membrane fragments (mice, human)
- PO1GM-19521-03 0004 Genetic study of mammalian control systems - Control of beta galactosidase (mice)
- RO1GM-19537-03 Structural and functional organelle interactions (algae,protozoa)
- RO1GM-19564-03 Enzymology of isoleucine and valine biosynthesis (bacteria)
- RO1GM-19629-02 Genetics and development of yeast membrane mutants
- ** RO1GM-19641-01 Protein biosynthesis in mitochondria (E gracilis, HeLa cells, rats)
- ** RO1GM-19667-02 Biochemical studies of mitosis using Xenopus eggs
- ** RO1GM-19693-01 Regulatory mechanisms in ribosome biosynthesis (bacteria)
- RO1GM-19698-02 Degradative reactions in spore germination
- RO1GM-19718-02 Cell division and morphogenesis (plants)
- RO1GM-19719-02 Control of cell division (human, mice)
- RO1GM-19756-02 Polysomes and subunits structure function relationships
- ** RO1GM-19807-02 0003 Membrane permeability as a regulatory element - Role of protein synthesis in ripening (plants)
- RO1GM-19807-02 0012 Membrane permeability as a regulatory element - Respiratory development and depression (plants)
- RO1GM-19843-02 Fluorescence and chemical studies on ribosomes (bacteria, mammals subhuman)
- RO1GM-19850-02 Genetic analysis of biological clock mechanisms (fungi)
- RO1GM-19851-02 Genetic control of development (nematodes)
- ** RO1GM-19937-02 Genic/molecular basis of imaginal disc morphogenesis (Drosophila)
- ** RO1GM-19948-05 Isocitrate dehydrogenase structure and activity (bacteria)
- RO1GM-19952-02 Regulation in human cells-The interferon model
- RO1GM-19963-02 Regulation of bacteriophage T4 gene expression (E coli)
- RO1GM-19993-07 Regulation of gene function and protein synthesis (bacteria)
- ** RO1GM-19995-02 Protein synthesis activation in sea urchin eggs
- RO1GM-20055-01 Membrane synthesis and sporulation (Bacillus subtilis)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R01GM-20069-02 Genetic control of protein structure and synthesis (human mammals)
 ** R01GM-20101-03 Growth control by serum factors in liver cells (rats)
 R01GM-20109-01 Microtubule and microfilament structure and function (amphibians)
 ** R01GM-20114-01 Regulation of protein synthesis in growth transitions
 P01GM-20124-02 0010 Center for human genetics and inherited disease - Hemoglobin mRNA in thalassemia (human)
 ** R01GM-20177-01 Macromolecular synthesis in cyanophora paradoxa
 R01GM-20207-01 Biotin holoenzyme synthetase-Mechanism and specificity (yeast, E coli)
 ** R01GM-20277-02 Attachment of ribosomes to microsomal membranes (rats)
 R01GM-20285-02 Developmental changes in erythrocyte and sperm proteins (frogs, mice)
 R01GM-20296-01 Polyribosomes in bacterial spores
 ** R01GM-20298-01 Collagen metabolism in wound repair and heald (rats)
 R01GM-20312-02 Enzyme localization in microorganisms (E coli, bacteriophage fd)
 R01GM-20338-07 Histone biochemistry and the influence of hormones (rats)
 R01GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)
 ** R01GM-20367-02 Molecular aspects of membrane development (bacteria)
 R01GM-20395-02 Factors affecting bacterial transport system activity
 R01GM-20418-01 Method for determining units of transcription
 R01GM-20427-02 Genetics and biochemistry of ribosome biosynthesis (E coli)
 R01GM-20449-01 Ribosome-membrane interaction in mitochondria (yeast)
 ** R01GM-20470-02 Molecular mechanisms of intracellular integration (plants, bacteria)
 R01GM-20483-01 Transcription of chromatin in vitro (rabbits)
 R01GM-20606-01 Morphogenesis of bacterial spores (B cereus, B subtilis)
 ** R01GM-20626-02 Control and mechanism of protein chain termination (E coli, rats, rabbits, bears)
 R01GM-20637-03 Thermodynamic studies of transfer ribonucleic acids
 R01GM-20662-02 Formation of electron transport in Hemophilus
 R01GM-20664-01 Molecular regulation of cell growth in culture (peanut plant)
 R01GM-20693-01 Genetics and isolation of a eucaryotic control protein (yeast)
 R01GM-20770-01 Y chromosome structure and regulation in Drosophila
 R01GM-20813-01 Role of DNA in DNA, RNA and protein synthesis (bacteria, viruses, HeLa cells)
 ** R01GM-20818-01 Regulation of ovalbumin synthesis in chick oviduct
 R01GM-20880-01 Common points regulating enzyme biosynthesis (bacteria)
 ** R01GM-21002-01 Aminoacyl-tRNA synthetase formation in animal cells
 ** R01GM-21024-01 Obeta replicase and protein synthesis T-factor
 ** R01GM-21059-01 Biogenesis of mitochondria (Neurospora)
 R01GM-21060-01 Membrane-bound ribosomes in chloroplasts and bacteria
 ** R01GM-21080-01 Defective protein synthesis by modified ribosomes (bacteria)
 ** R01GM-21093-01 Transition state models of protein synthesis
 ** P01GM-21096-01 0003 Enzyme therapy in lysosomal storage diseases - Lysosomal enzyme biosynthesis and uptake (rats)
 ** P01GM-21096-01 0004 Enzyme therapy in lysosomal storage diseases - Intracellular protein transport (rats)
 R01GM-21131-24 Enzymology of nitrate respiration and assimilation (plants, microorganisms)
 R01GM-21151-01 Recognition of normal and neoplastic tRNA by ribosomes (rats, yeast, E coli)
 ** R01GM-21168-01 The control, assembly and termination of proteins (viruses, bacteria, mice)
 ** R01GM-21205-01 Molecular biology of aging fungi as models
 R01GM-21242-01 Biochemistry and genetics of chloroplast ribosomes (plants)
 ** R01GM-21359-01 Guanine nucleotides and protein chain growth (E coli, B subtilis)
 ** R01GM-21380-01 Molecular basis for protein-nucleic acid interactions (bacteria)
 ** R01GM-21424-01 Effects of ribosome phosphorylation on translation (rabbit)
 R01HB-22918-03 Studies in sickle cell disease (human, guinea pigs, rats)
 ** R01HD-00038-10 Protein synthesis during embryogenesis (amphibians)
 ** R01HD-00375-18 Induction and development of liver enzymes
 R01HD-00380-16 Analysis of chemogenesis (ascidians, chick embryo, human)
 R01HD-00391-15 Regulation of enzyme action during development
 ** R01HD-00588-12 Biochemical genetics of cultured human cells (also rodents)
 R01HD-00652-11 Plasma and cell protein metabolism (human)
 R01HD-00827-11 Effect of RNA and DNA on cephalic terata (mice)
 R01HD-00893-11 Hormonal control of behavior (rodents)
 R01HD-01229-23 Chromatin, special genes and RNA in development (sea urchins, chick embryo, virus)
 R01HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)
 ** R01HD-01253-16 Cellular and molecular controls in neurodifferentiation (mice)
 R01HD-01613-10 Exercise-induced biochemical and anatomic adaptations (rats)
 ** R01HD-01689-09 Biogenesis of intracellular membranes (rats, algae, bacteria)
 P01HD-01799-09 0008 Mental retardation research center - Developmental biochemistry of steroids (rats)
 P01HD-02147-08 0004 Extruterine growth and development - Intestine (human, mice)
 ** P01HD-02147-08 0006 Extruterine growth and development - Hemoglobin synthesis (human)
 ** P01HD-02147-08 0007 Extruterine growth and development - Development and differentiation of leukocytes (human)
 ** N01HD-02149-04 Control of ovulation and corpus luteum function (rodents)
 P01HD-02274-08 0077 Mental retardation and child development - Embryology and oogenesis (mice)
 P01HD-02528-08 0053 Research center in mental retardation - Regulating mechanisms of preimplantation embryo metabolism (mice)
 ** P01HD-02741-10 0001 Experimental cytology of aging cells and tissues - Changes in protein synthesis with age in vivo (rats)
 ** P01HD-02741-10 0003 Experimental cytology of aging cells and tissues - Changes in protein synthesis with age in vitro (rats)
 R01HD-02887-05 Embryonic fatty acid metabolism
 P01HD-03015-08 0003 Program for developmental biology - Genetic control of meiosis and sperm development (Drosophila)
 ** P01HD-03015-08 0012 Program for developmental biology - Microtubular protein synthesis (chick embryo)
 ** P01HD-03015-08 0021 Program for developmental biology - Control mechanisms in normal and virus infected mammalian cells (human)
 R01HD-03132-07 Biochemistry of early human and mouse development
 ** R01HD-03316-06 Protein synthesis in muscle differentiation (chick embryo)
 ** P01HD-03352-07 0010 Wisconsin center on mental retardation - Brain protein synthesis in hyperaminoacidemias (rats)
 ** R01HD-03753-06 Control of protein synthesis during embryogenesis (sea urchins)
 ** P01HD-03803-06 0002 Control mechanism in reproduction and development - Estrogen control of transcription and translation (rats)
 ** P01HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (Octopeltus, Pyrrhocoris, Drosophila)
 ** P01HD-03803-06 0005 Control mechanism in reproduction and development - Hemoglobin synthesis (rabbits)
 ** R01HD-04004-06 0005 Programmed senescence in cultured human cells - Synthesis of DNA binding proteins as a function of in vitro age
 ** R01HD-04004-06 0007 Programmed senescence in cultured human cells - The orgel hypothesis and protein turnover
 ** R01HD-04007-05 Synthesis of mitochondrial protein (rats, yeast)
 P01HD-04024-06 0001 Mental retardation research center - Mammalian embryology (rabbits)
 R01HD-04214-05 Control of transcription during spore germination (bacteria)
 R01HD-04252-06 Tissue culture in hereditary disorders (human)
 R01HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
 R01HD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
 ** R01HD-04367-13 Regulation of RNA and protein synthesis in embryogenesis (sea urchins)
 R01HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
 R01HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
 R01HD-04592-06 Biochemistry of the male genital tract (rodents)
 ** P01HD-04612-06 0003 Mental retardation research center - Factors affecting postnatal brain development
 R01HD-04699-05 Temporal order and aging in cultured somatic cells (rats, hamster)
 R01HD-04701-05 Developmental biology (moths)
 ** R01HD-04702-04 Membrane changes during oogenesis and fertilization (chick embryo, mice)
 P01HD-04807-05 0006 Genetic and cytogenetic studies of mental retardation - Microtubule proteins of the mitotic spindle (human, mice)
 R01HD-05085-08 Biosynthesis and action of female hormones (human)
 R01HD-05090-04 Endometrial preparation for implantation (rats)
 R01HD-05093-12 Ion transport during development of Rana pipiens eggs
 R01HD-05196-04 An approach to human development with cell hybrids (human, mice)
 P01HD-05221-05 0015 Center grant in mental retardation - Developmental microheterogeneity of mouse alpha fetoprotein
 ** R01HD-05316-04 Proteins of mammalian sperm/abozoa (rats, rabbits, human)
 P01HD-05318-04 0004 Reproductive endocrinology - Immunomorphology of hormone-target tissue interaction (rats, primates, human)
 ** P01HD-05342-04 0001 Mental retardation and brain development - Brain protein synthesis in hyperaminoacidemias (rats)
 R01HD-05443-03 Circulatory and cellular studies in runted fetal sheep
 R01HD-05506-04 Hormonal regulation of growth and differentiation (rats, human)
 ** R01HD-05602-04 Control of protein synthesis in developing organelles (protozoa, yeasts)
 P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous stratogenesis (rats, rabbits, human)
 ** P01HD-05796-03 0004 Aging in connective tissue, brain and auditory system - Connective tissue proteins (dogs, rats, chickens)
 ** P01HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)
 ** P01HD-05797-04 0009 Population and reproductive biology - Proof of mRNA hypothesis in steroid hormone action (chickens, rabbits)
 P01HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
 R01HD-05863-03 Reproductive biochemistry of testes specific LDH-X (mice, human)
 P01HD-05874-04 0004 Biochemical regulation of aging processes - Biochemistry of nerve tissue maturation (mice, rats)
 P01HD-05874-04 0006 Biochemical regulation of aging processes - Test for the genetic error theory of aging (rats)
 P01HD-05875-04 0012 Aging mechanisms of in vitro human cell systems - Turnover of cellular organelles of human cells (WI-38)
 ** P01HD-05875-04 0015 Aging mechanisms of in vitro human cell systems - Collagen synthesis (WI-38)
 P01HD-05875-04 0016 Aging mechanisms of in vitro human cell systems - Errors in protein synthesis and its relation to aging (WI-38)
 P01HD-05894-04 0003 Genetic childhood diseases and aging - Genetic control of variable region of immunoglobulin G chains (human)
 R01HD-05916-03 Biosynthesis of serum complement (human, guinea pig)
 R01HD-06007-03 Metabolism of myoinositol during development (rats)
 R01HD-06071-03 Control of differentiation in lymphocytes (rats, mice)
 R01HD-06195-03 Developmental analysis
 R01HD-06226-02 Uterine proteins in mammalian embryogenesis (rabbits, human)
 R01HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
 R01HD-06246-02 Organogenesis during mammalian embryonic development (mammals)
 P01HD-06276-03 0004 Mental retardation research program - Developmental anatomy and biochemistry of the eye (mice)
 P01HD-06276-03 0062 Mental retardation research program - Adaptation of neonatal brain to ketone body oxidation (rats)
 P01HD-06323-03 0002 Cellular senescence and control of cell proliferation - Translation and macromolecular turnover in cellular aging (human, SV40)
 ** P01HD-06323-03 0003 Cellular senescence and control of cell proliferation - Protein function and its modification by hormones and growth factors (human)
 R01HD-06374-02 Development, composition and function of oviduct cilia (mice)
 R01HD-06390-03 Role of the cell surface in cancer and embryology (human, chick embryo, mice)
 R01HD-06447-02 Regulation of development of skeletal muscle (chick embryo)
 ** R01HD-06448-03 DNA and protein metabolism during oogenesis (amphibians)
 R01HD-06477-03 Effect of thyroxine on tRNA metabolism of the brain (rats)
 R01HD-06481-03 RNA and protein synthesis in the mammalian oviduct (rabbits, rodents)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
- R01HD-06550-03 Mechanisms underlying experimental teratogenesis (mice)
- R01HD-06574-04 Developmental regulation of macromolecular metabolism
- R01HD-06580-02 Ontogeny of sensitivity to growth hormone (mice)
- R01HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
- R01HD-06642-03 Metabolism of the preovulatory follicle (rabbits)
- R01HD-06644-03 0002 Aging in a nematode model system - Changes in enzymes
- R01HD-06645-03 0011 Center for population research - Regulation of nucleic acids, enzymes during differentiation (sea urchin)
- R01HD-06645-03 0016 Center for population research - RNA produced in response to androgens and estrogens (mammals, chick embryo)
- ** R01HD-06645-03 0037 Center for population research - Effect of steroids on RNA and protein synthesis (mice, monkeys, human)
- R01HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- R01HD-06672-03 Alterations in the mechanism of estrogen action (rats)
- R22HD-06682-03 Nutrition and cell growth during brain development (human, rats)
- R01HD-06702-03 Morphogenetic properties in limb development (chick embryo)
- R01HD-06706-02 Hormonal control of growth and development (chickens, rats, human)
- ** R01HD-06727-03 Messenger RNA translation during embryogenesis (sea urchins)
- R01HD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)
- ** R01HD-06902-02 Regulation of protein synthesis in early development (ciliates, sea urchins)
- ** R01HD-06915-02 0003 Maternal malnutrition and fetal development - Human maternal and fetal malnutrition
- R01HD-07021-02 Gene expression in embryogenesis (frogs, fish)
- R01HD-07049-01 Hormones in sexual differentiation and behavior (rats, mice)
- R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)
- R01HD-07110-02 0006 Biomedical center for population research - Polyamines, basic proteins in spermatozoa, androgenic hormone action (mammals)
- R01HD-07173-02 0001 Structure and function of aging human fibroblasts - Composition, immunology, enzymes and transport in cell membranes (WI 38)
- ** R01HD-07173-02 0005 Structure and function of aging human fibroblasts - Proliferation synthesis
- ** R01HD-07173-02 0006 Structure and function of aging human fibroblasts - Biosynthesis of collagen
- ** R01HD-07173-02 0007 Structure and function of aging human fibroblasts - Activity of prolyl hydroxylase in WI-38 fibroblasts
- R01HD-07193-01 Molluscan polar lobes - Role in embryonic development (marine mud snail)
- R01HD-07195-02 Nutrition and cell growth (rats)
- R01HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
- R01HD-07338-01 Aging and biosynthesis in non-dividing cells (mice)
- R01HD-07375-02 Molecular basis of neuromuscular development (nematodes)
- R01HD-07376-01 0001 Fibroblasts and connective tissues in development - Quantity and chemical nature of collagens in culture (WI-38)
- R01HD-07390-01 Control of limb development and deformity
- R01HD-07495-02 0001 Center for population research, studies in reproductive biology - Estrogen regulation of reproductive tissue growth and differentiation (chickens)
- ** R01HD-07495-02 0007 Center for population research, studies in reproductive biology - Mechanism of progesterone regulation of a specific gene function (chickens)
- R01HD-07495-02 0008 Center for population research, studies in reproductive biology - Organic synthesis of steroidal anti-progestins (chickens)
- R01HD-07495-02 0010 Center for population research, studies in reproductive biology - Sex-steroid induced differentiation of avian urogenital system (chickens)
- R01HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)
- R01HD-07495-02 0016 Center for population research, studies in reproductive biology - Mechanism of action of gonadotropins (rats)
- R01HD-07495-02 0017 Center for population research, studies in reproductive biology - Hormonal regulation of gene expression (chickens)
- ** R01HD-07495-02 0018 Center for population research, studies in reproductive biology - Regulation of protein synthesis in reproductive tissues
- R01HD-07495-02 0021 Center for population research, studies in reproductive biology - Nuclear transplantation (amphibians)
- R01HD-07495-02 0026 Center for population research, studies in reproductive biology - Characterization and regulation of ovum-uterus interaction (rats, mice)
- R01HD-07503-02 Biology of the testis - Action of FSH (rats)
- R01HD-07741-01 Biochemical and cellular analyses of embryonic development (marine fish, mammals)
- ** R01HD-07796-02 Control of myosin synthesis during muscle differentiation (rats, quail)
- R01HD-07839-01 Glycoprotein-glycolipid metabolism in spermatogenesis (mice)
- R01HD-07951-01 Biochemistry of development and regulation (silkworms)
- R01HD-08188-02 Reproductive hormones - Biology and molecular actions (chickens)
- R01HD-08192-02 Mechanism of action of estrogens (rats)
- R01HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
- R01HD-08235-01 tract
- R01HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)
- R01HD-08432-01 0002 Parenteral nutrition in newborn animals - Cellular growth of brain and other tissues (dogs)
- R01HD-08436-02 function (rats)
- ** R01HD-08452-01 mouse embryo
- R01HD-08557-01 Amine acid transport during early development (mice)
- R01HD-08641-01 (rats)
- ** R01HD-08652-01 Histone mRNA and histone synthesis in development (sea urchins)
- R01HD-08712-01 Mechanisms of postnatal enzyme development (rats)
- R01HD-12232-03 (human, rats)
- R01HD-22740-02 Fertilization of mouse eggs in vitro by epididymal sperm
- R01HD-22752-04 Changes in the luteolytic process in human corpora lutea
- R01HD-01270-22 Salt and water retention of heart failure (human, rabbits)
- R01HD-02262-19 Mechanisms regulating plasma proteins and solutes (human, calves)
- R01HD-02751-17 Formation and function of serum albumin (cattle, rats)
- R01HD-03709-17 Streptococcus
- R01HD-04219-16 Fatty acid biosynthesis (rats)
- ** R01HD-04442-16 Mitochondrial assembly and replication (fungi, mammals)
- R01HD-04612-15 Humoral and feedback mechanisms of erythropoiesis (mice, rabbits)
- ** R01HD-05285-14 Biosynthesis of plasma lipoprotein (rats)
- R01HD-06128-14 Relationships between coagulability and thrombosis (human, rabbits, monkeys)
- ** R01HD-06374-14 0002 Expansion of research in a hematologic center - Erythroid differentiation and protein synthesis (mice, cattle)
- ** R01HD-06374-14 0005 Expansion of research in a hematologic center - Hemoglobin synthesis in differentiating erythroid cells (human)
- R01HD-06374-14 0010 Expansion of research in a hematologic center - Hemoglobin in blood disorders (human)
- M R01HD-06835-13 Cardiovascular disease
- R01HD-06835-13 0002 Cardiovascular disease - Renin angiotensin system (human, mammals)
- M R01HD-08195-12 Circulatory physiology
- R01HD-08195-12 0011 Circulatory physiology - Effect of hormones on the phosphorylation of nuclear histones (human, rats)
- R01HD-08506-11 Lipemia-carbohydrate and glyceride metabolism (human, rats)
- ** R01HD-08805-10 0007 Cardiovascular and pulmonary performance - Biochemical and cellular mechanisms of cardiac hypertrophy (hamsters)
- M R01HD-09011-11 A research and resource program in blood
- R01HD-09011-11 0003 A research and resource program in blood - Nucleic acids (rabbits, E coli)
- ** R01HD-09172-10 Protein and RNA synthesis in heart muscle (rats)
- ** R01HD-09562-09 Protein and RNA synthesis in cardiac stress (guinea pigs)
- R01HD-09921-09 0005 Mechanisms of congestive heart failure - Action of aldosterone in mammalian renal tubules (rats)
- R01HD-09921-09 0007 Mechanisms of congestive heart failure - Stimulation in kidney of RNA and protein synthesis by aldosterone
- ** R01HD-09921-09 0013 Mechanisms of congestive heart failure - Effect of aldosterone on renal protein synthesis (rats)
- R01HD-09921-09 0014 Mechanisms of congestive heart failure - Aldosterone and radiolabeled sulfur in kidney
- R01HL-10002-09 Structure and function of thrombocytes (birds, fish, crabs)
- R01HL-10018-07 Effect of aging on beating heart cells in culture (rats)
- R01HL-10042-09 Steroidal regulation of active sodium transport (toads)
- ** R01HL-10098-10 0027 Primates in cardiovascular research - Protein carbohydrate studies
- ** R01HL-10436-09 0010 Congenital heart disease - Electron microscopy in early embryogenesis (chick embryo)
- R01HL-10941-08 Pathogenesis of hepatic veno-occlusive disease (monkeys, rats)
- R01HL-11414-07 0011 Thrombosis and atherosclerosis program - Contractile proteins in cardiac hypertrophy (rabbits)
- ** R01HL-11445-06 Genetic regulation of hemoglobin synthesis in Artemia
- R01HL-11511-06 Conformation of ferritin and apoferritin in solution (horse, rat, human)
- ** R01HL-11534-07 Mechanism of cardiac hypertrophy (rats)
- R01HL-11551-07 RNA and protein synthesis in repair of heart injury (mice)
- ** R01HL-12236-06 Biological synthesis of protein (human, mammals)
- R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- R01HL-12373-06 0007 Cardiopulmonary physiology and pathophysiology - Contractility in normal and failing myocardium (rabbits, guinea pigs)
- ** R01HL-12381-06 Membrane lipids-Biosynthesis and function (rat liver)
- R01HL-12402-15 Metabolism of plasma proteins (habeons)
- ** R01HL-12443-03 Amine acid and protein metabolism in human platelets
- R01HL-12533-06 Hypocholesteremic compounds and metabolism (Tetrahymena, Saccharomyces)
- R01HL-12549-06 Peptide bond formation and hemoglobin synthesis (rabbits)
- R01HL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
- R01HL-12710-05 Fine structure of serum lipoproteins (pigs, human)
- R01HL-12972-05 Glutathione deficiency in red cells (sheep)
- R01HL-12998-05 Dietary hepatic lipidosis and protein synthesis (rats)
- R01HL-13108-05 0003 Clinical heart transplantation - Diagnosis of rejection (human)
- R01HL-13293-03 Regulation and control of hemoglobin synthesis (rabbits)
- R01HL-13317-04 Cellular mechanisms in cardiac hypertrophy (rabbits, calves)
- R01HL-13336-05 Biochemistry and physiology of human platelets (rabbits)
- ** R01HL-13394-05 Hyperlipoproteinemia (rats)
- R01HL-13405-04 Regulation of lipid metabolism in the lung (rats)
- ** R01HL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
- R01HL-13636-04 Effects of pharmacologic agents on heart metabolism (human, dogs, rats, cattle)
- R01HL-13767-03 Steroid hormone effects on fibrinogen synthesis (chicks)
- P17HL-14152-04 0001 Pulmonary specialized center of research - Surface active lipoprotein in fetal lung (human, monkeys)
- P17HL-14152-04 0016 Pulmonary specialized center of research - Changes in lung elastin with age and disease (mice)
- P17HL-14177-04 0003 Center for prevention and treatment of atherosclerosis - Interaction of aortic tissue with plasma fractions in hyperlipemia (swine, human)
- P17HL-14177-04 0011 Center for prevention and treatment of atherosclerosis - Regression of atherosclerotic lesions (swine)
- ** P17HL-14179-04 0022 Center for the study of lung disease - Biosynthesis of the glycoproteins of tracheobronchial mucus (dogs)
- P17HL-14201-04 0007 Pulmonary disease research center - Metabolism and regulation of pulmonary surface active material (human, animals)
- ** P17HL-14212-04 0007 Correlated studies of pulmonary disease - Protein biosynthesis in alveolar macrophages (rabbits, guinea pigs, human)
- ** P17HL-14217-04 0024 Specialized center of research in thrombosis - Solid phase synthesis of fibrinopeptides (human)
- R01HL-14358-03 Mechanism of angiotensin action on target tissues (dogs)
- R01HL-14399-03 Lung collagen and elastin (guinea pigs)
- R01HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
- ** R01HL-14661-03 Biochemical mechanisms in cardiac hypertrophy (rats, dogs, rabbits)
- ** R01HL-14678-03 C13 and N15 labeled enzymes-Synthesis and NMR study (cattle, bacteria)
- R01HL-14810-03 0002 Cornell thrombosis research center - Endothelial cell culture (human, rabbits)
- R01HL-14847-03 Anticoagulants and metabolism of vitamin K

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-14960-06 Control of gene expression in differentiating cells (human, sheep)
- ** R01HL-15026-08 Quantitative genetic control of protein synthesis (human, primates, mammals)
- P17HL-15061-03 0003 Response of lung to injury - Postnatal growth and development of the mammalian lung (rats, dogs)
- ** P17HL-15061-03 0007 Response of lung to injury - Complement synthesis by pulmonary macrophages (human, guinea pigs)
- P17HL-15062-03 0009 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)
- P17HL-15062-03 0010 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein biosynthesis, secretion and degradation (human, monkeys)
- P17HL-15062-03 0012 Study of lipoproteins, artery wall, and atherosclerosis - The pathology of atherosclerosis (monkeys, rabbits)
- P17HL-15063-03 0005 SCOR diffuse infiltrate lung disease - Experimental pulmonary emphysema (rats, human)
- P18HL-15157-03 0004 Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
- ** P18HL-15161-03 0009 Comprehensive sickle cell disease center - Variation in sickle cell disease and the synthesis of normal hemoglobin (human)
- P18HL-15166-03 0009 Comprehensive sickle cell disease center - Immunoglobulins G, A, and M, alpha globulins, and complement (human)
- P18HL-15170-03 0017 Comprehensive sickle cell disease center - Control of hemoglobin synthesis and modification of hemoglobin phenotype (human)
- ** P18HL-15170-03 0021 Comprehensive sickle cell disease center - Mechanisms of control of hemoglobin synthesis (human)
- R01HL-15329-02 Abnormal hemoglobins and fibrinogens (human)
- R01HL-15341-02 Lung hormonal and chromosomal regulation (human, rats, sheep)
- R01HL-15381-03 The activation of prothrombin (dogs)
- R01HL-15383-02 Structure and properties of six hemoglobins (rats)
- R01HL-15427-02 Secretion of plasma lipoproteins (rats)
- R01HL-15478-02 Lipid flux and collagen synthesis in atherosclerosis (rabbits)
- R01HL-15498-02 Effects of physical training on heart (rats)
- ** R01HL-15619-02 Regulation of prothrombin synthesis in cultured cells (human, rats)
- R01HL-15627-02 X-ray and chemical studies of metalloporphyrins
- R01HL-15895-01 In vitro study of lipoproteins in vascular disease (tissue culture)
- ** R01HL-15930-02 Hormonal control of lipid and lipoprotein synthesis (rats, chickens)
- R01HL-15968-02 Dietary control of hepatic lipoproteins synthesis (gerbils)
- ** P18HL-15999-02 0019 Miami comprehensive sickle cell center - Fetal-adult hemoglobin switch (hamsters, human, monkeys, mice)
- ** P18HL-16005-01 0013 Comprehensive sickle cell center of the University of Chicago - Normal and abnormal erythropoiesis in vitro (human, mice, rats)
- P18HL-16005-01 0014 Comprehensive sickle cell center of the University of Chicago - Erythropoietic stimulating factor and hemoglobin variants (human, mice)
- P18HL-16008-02 0010 Wayne State University comprehensive sickle cell center - Fetal hemoglobin (human)
- ** R01HL-16031-01 The lung lining layer - Synthesis and secretion (rats)
- R01HL-16041-01 Myocardial circadian metabolic rhythms (rats)
- P01HL-16118-01 0005 Mechanisms in the remodeling of lung structure - Mechanisms of elastase emphysema (hamsters)
- ** P01HL-16126-01 0004 Atherosclerosis, coagulation and thrombolysis - Vitamin K and prothrombin biochemistry and biosynthesis (cattle, human)
- P01HL-16137-01 0004 Alveolar biology - Subcellular processes and controls in the surfactant system (animals)
- P01HL-16137-01 0006 Alveolar biology - Hypolipemic agents and their effects on pulmonary epithelial organelles (rats)
- ** P01HL-16137-01 0007 Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)
- ** P01HL-16137-01 0008 Alveolar biology - Macromolecular events in pulmonary cells in toxic environments (animals)
- P01HL-16137-01 0011 Alveolar biology - Pathology of alveoli and the surfactant system - Chemistry and biosynthesis
- ** R01HL-16198-01 Mechanism of fibrinogen synthesis (rabbits)
- P01HL-16251-01 0004 Membrane-bound enzymes in heart and other tissues - Biosynthesis and degradation of succinate dehydrogenase, histidyl (yeast, mammal)
- R01HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)
- R01HL-16364-01 0002 Regulation of lipid biosynthesis and transport - Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis
- ** R01HL-16445-01 Regulation of fibrinogen biosynthesis (human, rats)
- R01HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)
- R01HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
- ** R01HL-16654-02 Regulation in developing erythroid cells (human, rabbits, sheep)
- R01HL-16841-01 The interaction of blood platelet membrane and fibrin (rabbits, chickens)
- ** R01HL-16895-01 Particulate prolyl hydroxylation in lung (rats)
- ** R01HL-16912-01 The role of vitamin K in prothrombin biosynthesis (rats)
- R23HL-17141-01 Collagen chemistry in pulmonary fibrosis (human)
- ** R23HL-17184-01 Elastin synthesis by cultured lung cells (mice, rabbits, human)
- R01MH-12506-09 Chemical correlates of memory (goldfish, rats, monkeys)
- R01MH-13026-07 Pharmacogenetics of audiogenic seizures (mice)
- R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
- P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- ** P01MH-16674-06 0033 A program of psychiatry-oriented biological research - Translational control of protein synthesis in the CNS (rats)
- ** R01MH-18136-04 Molecular approaches to behavior (rats)
- ** R01MH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
- ** R01MH-23879-02 Drugs and memory (rats, mice)
- R03MH-25425-01 Neuropsychology of territorial behavior (gerbils)
- R01MH-25486-01 Biochemical processes in the formation of memory (animals)
- R01NS-00361-19 Quantitative histochemical studies upon cerebral cortex (human)
- R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- P01NS-02253-15 0002 Neurophysiological and neurochemical studies - Studies of fibroblasts and neurons in tissue culture
- R01NS-02785-14 Biosynthesis of lipids in experimental demyelination (rats)
- ** R01NS-03743-13 Amino acids and related metabolites in the CNS (toads, rats, chicks)
- R01NS-03777-11 Growth inhibitory mechanism of the adrenergic neuron (human, animals)
- R01NS-04270-12 Molecular neurobiology - Proteins of the nervous system (rodents, snakes)
- ** R01NS-04656-11 Protein synthesizing machinery (frogs)
- P01NS-06663-08 0022 Cerebrovascular clinical research center - Nerve chemical changes in cerebral ischemia (rabbits)
- R01NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
- R01NS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
- P01NS-07512-06 0031 Neuronal development, interaction and organization - Developmental alterations in brains of cretinoid rats
- ** R01NS-07702-11 Chemistry and function in the central nervous system (rabbits)
- ** R01NS-07869-09 Regulation of cerebral protein synthesis (rats)
- R01NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- R01NS-08000-07 Biochemistry of prominent structures of the cochlea (rats, cats)
- R01NS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
- ** R01NS-08278-06 Structure, metabolism and function of myelin proteins (animals)
- R01NS-08365-07 Embryology of the inner ear (mice)
- ** R01NS-08391-06 Regulation of protein synthesis in neural development (mice)
- ** R01NS-08597-06 Synaptic membrane structure and function (rats)
- R01NS-08785-03 Improvement of cerebral blood flow following ischemia (rabbits)
- R01NS-08933-05 Studies on synaptosomes (rats, rabbits, mice)
- R01NS-08947-05 Metabolic studies on neurotoxins (rodents, plants)
- R01NS-08989-12 Brain function during altitude acclimatization (rats)
- R01NS-09025-05 Pathogenesis of hydrocephalus mutants (human, mice)
- R01NS-09131-04 Molecular processes in memory storage (mice)
- ** R01NS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)
- ** R01NS-09264-03 Relation of protein synthesis to neuronal function (rabbits)
- ** R01NS-09283-05 Polyribosomes in human dystrophic muscle
- R01NS-09339-04 Chemistry of plastic changes in neurons (Aplysia)
- R01NS-09471-02 Folic acid deficiency and brain development (mice, rats)
- R01NS-09546-04 Physiology and bioluminescence (hydroids)
- R01NS-09569-02 Mod-myopathy - A new hereditary myopathy (mice)
- ** R01NS-09603-04 The biochemical effects of sensory deprivation (chicks)
- ** R01NS-09625-03 Brain ribosomes and brain protein synthesis in epilepsy (rats)
- P01NS-09704-04 0034 Developmental neurology - Neutral amino acid uptake in brain and choroid plexus
- ** R01NS-10111-03 In vitro DNA-directed synthesis of neuronal protein (chicks)
- R01NS-10206-02 Dopamine-beta-hydroxylase and norepinephrine synthesis (rats)
- R01NS-10221-02 Biochemical aspects of myelination (rats, mice)
- R01NS-10270-01 Molecular pharmacological correlates of behavior (fish)
- ** R01NS-10343-03 Neurotrophic control of sarcolemmal molecular plasticity (rats)
- R01NS-10429-03 Microtubule protein in the developing nervous system (chickens)
- R01NS-10459-03 Psychotropic mechanisms of catechol amino acids (rats, mice)
- R01NS-10560-01 Sinusoidal acceleration. A test of vestibular function (human, cats)
- R01NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
- R01NS-10580-01 Studies of chromatolysis and axonal regeneration (frogs)
- R01NS-10582-02 Actin and other filaments in the growing neuron (chickens, rats)
- R01NS-10615-02 Biochemistry and physiology of neurons (mice, chickens)
- R01NS-10638-02 Molecular control of excitability of muscle membrane (mice)
- R01NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
- R01NS-10907-01 Differentiation of nerve tumor cells in tissue culture (mice)
- P01NS-10920-02 0015 Development and regeneration in the nervous system - Studies of chromatolysis (frogs)
- R01NS-11061-01 Regulation of adrenergic metabolism (rats)
- ** P01NS-11131-01 0003 Extrapyramidal and related behavioral disorders - Inhibitors of protein synthesis and cerebral actions of levodopa (mice)
- ** P01NS-11131-01 0004 Extrapyramidal and related behavioral disorders - Stimulators of protein synthesis and cerebral actions of levodopa (mice)
- R01NS-11149-01 Regulatory physiology and biochemistry in nerve cells (Aplysia)
- R01NS-11165-01 Contractile mechanisms and myogenesis (rabbits, mice)
- ** R01NS-11310-01 Neurotransmitter biosynthesis (cattle)
- R01NS-11343-01 Hormonal action on central nervous system (rats, frogs)
- R01NS-11360-01 Properties of microtubular proteins (mammals, sea urchin)
- R01NS-11501-01 Effects of steroids on 3H-thymidine uptake in brain (rats)
- ** R01NS-11519-01 The regulation of neuronal protein synthesis (Aplysia)
- R01NS-11612-01 Secretory otitis media
- ** R01NS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
- P01NS-11631-01 0066 Clinical center for research on Parkinson's and allied diseases - Metabolism of polyamines in the CNS (human)
- R01NS-11641-19 Biological effects of steroids (mice, rats, monkeys)
- R01NS-11652-01 Calcium-binding protein in nervous tissue (pigs, rats)
- R01NS-11671-01 Does experience help lateral hypothalamic recovery (rats, cats)
- ** R01NS-11755-01 Neurotropic regulation of muscle protein synthesis (rats)
- R01NS-11919-01 Axonal sprouting and functional recovery in the CNS (cats, monkeys)
- P07RR-00015-12 0094 Medical school computer facility - Protein synthesis and neuronal function in Aplysia
- M01RR-00039-14 0069 General clinical research center - Measurement of capacity to synthesize urea in human subjects
- M01RR-00059-13 0132 General clinical research center - Biochemical abnormalities of muscle ribosomes in hyperkalemic periodic paralysis
- M01RR-00062-12 0029 Clinical research center, children - Regulation of hemoglobin synthesis
- M01RR-00073-12 0020 General clinical research center - Cells of human colostrum - Immunologic studies
- M01RR-00075-11 0059 General clinical research center for children - Growth hormone interaction with fibroblast tissue cultures
- M01RR-00088-11 0038 General clinical research center - Total body N turnover and protein synthesis and catabolism (human)

(cont'd)

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- MO1RR-00240-10 0114 General clinical research center—Children 2 Effect of cyanate salts on globin synthesis in Cooley's anemia
- ** P07RR-00273-09 0018 Mass spectrometric facility for biomedical research - Biosynthesis of glycoproteins (mice)
- MO1RR-00322-08 0028 General clinical research center - Trauma, wound healing and amino nitrogen (human)
- MO1RR-00633-02 0037 General clinical research center - Heme synthesis and degradation in acute intermittent porphyria (human)
- P07RR-00639-01 0003 Interdepartmental NMR facility health center - Structure function and biogenesis of collagen
- MO1RR-00645-03 0026 Clinical research center - Biochemical, metabolic studies of leukemias, lymphomas and solid tumors (human)

PROTEINS COAGULATION

SEE ALSO BLOOD COAGULATION
SEE ALSO PROTEINS DENATURATION

- P18HL-15170-03 0016 Comprehensive sickle cell disease center - Modification of hemoglobin S side chains (human)

PROTEINS CONTRACTION

SEE ALSO MUSCLE FUNCTION, MUSCLE CONTRACTION

- RO1AM-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
- ** RO1AM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)
- ** RO1AM-12274-07 Ultrastructure of leukocytes and platelets (human)
- RO1AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
- ** RO1AM-12803-16 Structural basis of cellular function (animals, microorganisms)
- RO1AM-16445-01 Active sites of contractile proteins
- ** PO1AM-16716-01 0018 Pathophysiological bases of muscle diseases - Contractile proteins in slow and fast twitch muscle (fish, chickens, mice)
- ** RO1AM-16728-02 Structure and function of muscle regulatory proteins (rabbit, carp)
- RO1AM-16736-01 Myosin ATPase mechanism and energy transduction (rabbits, swine)
- RO1AM-16914-01 Red cell cation transport and contractile function (human)
- RO1AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
- ** RO1AM-17483-01 Rapid kinetic studies of myosin adenosinetriphosphatase (rabbit)
- ** RO1AM-17492-02 Cytoplasmic streaming and contractile proteins (fungi)
- ** RO1GM-19654-02 Molecular mechanism of cellular motility (amoebae, human)
- RO1GM-19937-02 Gonoc/molecular basis of imaginal disc morphogenesis (*Drosophila*)
- PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- RO1HD-03266-06 Submicroscopic bases of male infertility (human, mammals, roosters)
- ** PO1HD-05221-05 0016 Center grant in mental retardation - Contractile proteins and neurite formation (mice)
- ** RO1HD-06491-03 Mammalian spermatozoan motility (bulls)
- RO1HD-06565-07 Structural basis of spermatozoan motility (sea urchins, cattle)
- ** RO1HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- RO1HL-03756-17 Vascular changes in hypertension (swine)
- RO1HL-06241-13 Structure-function relations in blood cell membranes (human, rats)
- RO1HL-09234-10 Amino acids of contractile proteins of failing hearts (dogs, hamsters)
- ** RO1HL-09544-09 Biochemistry of contractile proteins (animals)
- RO1HL-10099-09 Energy metabolism in blood platelets (rats)
- PO1HL-11414-07 0011 Thrombosis and atherosclerosis program - Contractile proteins in cardiac hypertrophy (rabbits)
- PO1HL-12373-06 0007 Cardiopulmonary physiology and pathophysiology - Contractility in normal and failing myocardium (rabbits, guinea pigs)
- ** RO1HL-12443-03 Amino acid and protein metabolism in human platelets
- RO1HL-13257-05 Inhalation anesthesia on myocardial metabolism (dogs, human, rats)
- PO1HL-13330-05 0044 Mechanical circulatory support - Mechanical circulatory assistance (dogs)
- P17HL-14142-04 0006 Coagulation and cells in thrombosis and hemostasis - Ultramicroscopy of cell and vessel membrane activity (human, monkeys, dogs)
- P17HL-14217-04 0017 Specialized center of research in thrombosis - Structural protein from red cell membranes
- RO1HL-14547-06 Contractile proteins of muscle (cats, swine)
- PO1HL-14780-02 0024 Mechanisms and treatment of cardiovascular diseases - C-AMP and protein kinase in cardiac contraction and heart failure (cats, rats)
- ** PO1HL-14810-03 0009 Cornell thrombosis research center - Contractile proteins of cardiovascular smooth muscle and platelets (human)

- ** RO1HL-14938-02 Contractile proteins of heart muscle (dogs, rabbits, chickens)
- ** RO1HL-15048-02 Contractile system of human blood platelets (and rabbits)
- ** RO1HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)
- RO1HL-16010-12 Cellular basis of cardiac contractility (frogs)
- RO1HL-16951-01 Effect of temperature and pressure on blood platelets (dogs, rabbits)
- RO1HL-16956-01 Structure-function pathology of isolated heart cells (mice, rats)
- RO1MS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
- RO1MS-09801-01 Nervous system regeneration in the paraplegic (rats, cats)
- RO1MS-10907-01 Differentiation of nerve tumor cells in tissue culture (mice)
- RO1MS-11190-01 Histochemical studies of neural influences (rabbits)
- ** PO1MS-11766-01 0013 Clinical research center for neuromuscular disease - Pathophysiology of dystrophic muscle (human)

PROTEINS DENATURATION

SEE ALSO PROTEINS COAGULATION

- RO1AI-08445-05 Chemical studies on proteins of immunological interest
- RO1AI-09116-06 Tissue enzymes and plasma proteins (rabbits)
- RO1AI-09752-25 Heterogeneity of immunoglobulins and other proteins (rabbits)
- RO1AI-10333-04 Genetics and biochemistry of intracellular proteolysis
- PO1AM-01431-18 0002 Rheumatic diseases - Biochemistry (cattle)
- ** PO1AM-03564-15 0016 Mesenchymal tissues and their diseases - Structure and denaturation of proteins
- RO1AM-09765-09 0002 Regulatory processes in biological systems - PR-ATP synthetase (*Salmonella typhimurium*)
- RO1AM-12849-06 Immunologic studies in rheumatoid arthritis (human, rabbits)
- RO1AM-13336-06 Regulation of protein synthesis in mammalian liver (mice)
- RO1AM-14704-04 Protein turnover in protein and calorie deprivation (rats, swine)
- RO1AM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
- RO1AM-15308-04 Human thyroxine binding globulin (human)
- RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
- RO1AM-17477-01 Biosynthesis of glycoproteins (rodents, cattle)
- RO1CA-03571-17 Enzyme biosynthesis and regulation—Urea biosynthesis (frogs)
- RO1CA-10619-06 Synchronized cells—Controls in growth and division (hamsters)
- ** RO1CA-12808-03 Protein turnover during neoplasia (rats)
- RO1CA-13980-02 Enzyme regulation in normal and neoplastic cells (rats)
- RO1DE-01919-12 Biophysical methods applied to teeth (dinosaurs)
- RO1FD-00097-07 Changes in muscle proteins caused by microbial growth (bacteria, swine, cattle)
- RO1GM-09280-13 Stability of hydrogen bonds in proteins
- ** RO1GM-10831-15 Chemistry of local environments in protein
- ** RO1GM-10880-15 Optical rotatory power of biopolymers
- RO1GM-11223-12 Protein configuration by fluorescence techniques
- ** RO1GM-11762-10 Effects of salts on interactions in aqueous media
- RO1GM-13767-09 Molecular aspects of mutation (bacteria, viruses)
- RO1GM-14603-08 Structure and interactions of proteins in solution
- RO1GM-17892-04 Regulation of bacterial metabolism
- RO1GM-18807-02 Restoration of function of damaged cells and enzymes (insects, mammals)
- RO1GM-18871-07 Physical chemistry of proteins in salt solutions (human, cattle)
- RO1GM-19267-03 Hydration of macromolecules (bacteria, viruses)
- RO1GM-19980-01 Water structure in systems of biological importance
- ** RO1GM-20064-02 Properties of alpha-helix-forming substances
- RO1GM-21080-01 Defective protein synthesis by modified ribosomes (bacteria)
- RO1GM-21111-02 Study of biomolecules by magnetic resonance methods
- RO1HD-05863-03 Reproductive biochemistry of testes specific LDH-X (mice, human)
- PO1HD-06644-03 0002 Aging in a nematode model system - Changes in enzymes
- RO1HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
- RO1HL-05556-14 Structure and reactivity of proteins and lipoproteins (human, catfish, seals)
- RO1HL-13527-04 Conformation studies on modified hemoglobins

- RO1HL-13652-04 Metal sites in metalloproteins
- PO1HL-13738-03 0003 Cardiac assist devices and artificial hearts - Pathophysiological effects of the artificial heart (calves)
- ** RO1HL-13965-03 Degradation of blood by biomaterials in a sheep/fold (dogs)
- ** RO1HL-14453-03 Denaturation of the hemoglobins by the ureas (helminths, human)
- P17HL-15062-03 0007 Study of lipoproteins, artery wall, and atherosclerosis - Physical chemistry of lipid-protein interaction (human)
- RO1HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
- RO1HL-16734-01 Biophysical-clinical study of abnormal hemoglobins (human)
- MO1RR-00088-11 0038 General clinical research center - Total body N turnover and protein synthesis and catabolism (human)
- P07RR-00292-09 NMR facility for biomedical studies
- P07RR-00711-02 0001 High frequency NMR biotechnology resource - Protein folding and conformational transitions in proteins (bacteria)

PROTEINS METABOLISM

SEE ALSO PROTEINS BIOSYNTHESIS

- RO1AA-00224-06 Pathogenesis and treatment of alcohol-induced diseases (human, monkeys, rats)
- RO1AM-05968-14 Lipid metabolism (human, rats)
- RO1AM-09520-09 Nutritive value of proteins (rats, monkeys)
- RO1AM-10706-06 Mechanism and control of gluconeogenesis in ruminants (calves, pigs)
- ** RO1AM-12034-07 Amino acid and protein metabolism (bacteria, mammals nonhuman)
- RO1AM-12769-09 Study of nephrectomy at birth and during growth (rats)
- RO1AM-13323-04 Interorgan movement of amine acids (dogs, human)
- RO1AM-13324-06 Nutritional-hormonal control of G-6-P04 dehydrogenase (rats)
- RO1AM-13927-05 Intestinal mucosal function in diabetes (human, rats)
- ** RO1AM-15364-04 Nutritional regulation of protein metabolism (rats)
- RO1AM-15787-01 Extra-pancreatic significance of proinsulin (swine)
- ** RO1AM-15851-03 Liver plasma membrane protein turnover in cholestasis (rats)
- RO1AM-15856-03 Dietary protein intake and human protein metabolism
- RO1AM-15988-03 Regulation of adipose tissue metabolism (rats)
- RO1AM-16342-01 Pituitary and adrenals in glucagon release and activity (rats, dogs)
- RO1AM-16654-02 0001 Nutrition and muscle protein turnover by new methods - 3-methylhistidine studies (rats)
- ** RO1AM-17741-01 Effect of antimicrotubular agents on secretion (rats)
- NO1AM-42215-00 Abnormalities of carbohydrate metabolism in chronic uremia (human, rats)
- NO1AM-90707-12 Low protein diet on albumin metabolism in chronic uremia (human)
- RO1CA-07123-10 Hepatic synthesis and release of triglyceride (human)
- RO1CA-07489-11 Biochemical studies on lysosomes and related enzymes (rats, protozoa)
- ** RO1CA-12737-03 RNA and protein metabolism of acute leukemia cells (human)
- RO1DA-00710-01 Role of RNA and protein metabolism in addiction
- PO1DE-02848-06 0017 Biology of connective tissues, bones and teeth - Collagen and glycosaminoglycan metabolism in the periodontium (marmosets, human)
- ** RO1DE-03470-03 Protein turnover in dental pulp and periodontal tissues (cattle)
- PO1ES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)
- ** PO1ES-00597-04 0003 Food-borne environmental toxicants - Peroxisome initiated reactions (rats)
- ** RO1EY-01311-01 Protein transport in retinal photoreceptors and axons (animals)
- RO1GM-09654-13 Histone metabolism (liverwort, insects)
- ** PO1GM-14546-08 0031 Influence of acute illness and injury on energy - Protein metabolism in injured patient
- PO1GM-14546-08 0042 Influence of acute illness and injury on energy - Urea recycling and pool characterization (human)
- RO1GM-14931-08 Enzyme synthesis and degradation in metabolic control (mice, chickens)
- P11GM-15759-08 0055 Clinical pharmacology in rheumatic and muscular diseases - Heterogeneity of the IgM paraproteins and sub-class differences in IgM turnover
- RO1GM-17383-04 Chemistry and metabolism of DNA-associated proteins (birds)
- P17GM-21714-01 Core facility for research center on cellular membranes
- RO1GM-21780-01 Three-methylcholanthrene metabolite-binding proteins
- ** RO1HD-00588-12 Biochemical genetics of cultured human cells (also rodents)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- RO1HD-01823-11 Effect of amino acids on metabolism, EEG, and behavior (human, rats)
- PO1HD-02528-08 0055 Research center in mental retardation - Cyanate and carbamyl phosphate action on central nervous system (rats)
- RO1HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
- ** RO1HD-04670-04 Molecular basis of thyroid action in development (rats, fish)
- PO1HD-05874-04 0005 Biochemical regulation of aging processes - Histone metabolism during aging (rats)
- PO1HD-06323-03 0003 Cellular senescence and control of cell proliferation - Protein function and its modification by hormones and growth factors (human)
- ** PO1HD-06323-03 0004 Cellular senescence and control of cell proliferation - Nutritional and digestive function of normal and transformed cells (human)
- ** PO1HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- ** RO1HD-07136-01 Alpha-1 fetoprotein in mammalian hepatomas and growth (human, rats)
- RO1HD-07447-01 Chemistry and physiology of placental lactogen (human, sheep)
- RO1HD-07986-01 Enzyme turnover during growth and development (chlorophyta)
- ** RO1HD-08340-01 Stable isotope studies of fuel transport in children
- RO1HD-08434-01 0003 Metabolic studies of parental nutrition in infants - RNase as assessment of nutritional status
- RO1HD-06452-01 Protein metabolism in the preimplanted mouse embryo
- RO1HL-12138-04 Dietary control of glucose-6-phosphate dehydrogenase (rats)
- RO1HL-13872-16 0004 Body composition and metabolic care in surgery - Endocrine interrelationships after injury (human)
- ** P17HL-14147-04 0006 Specialized center of research in thrombosis - Fibrinogen metabolism and relation to thrombosis (human, rabbits)
- P17HL-14150-04 0005 Specialized center of research in hypertension - Metabolism of vasoactive peptides (dogs, rabbits)
- ** P17HL-15062-03 0009 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)
- P17HL-15062-03 0010 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein biosynthesis, secretion and degradation (human, monkeys)
- R23HL-17141-01 Collagen chemistry in pulmonary fibrosis (human)
- R23HL-17212-01 Computer modeling of lung water and solute exchange (sheep)
- RO1NS-07080-08 Gene expression in nervous tissue (rats)
- RO1NS-09015-05 Growth of axons in development of the nervous system (rats, cats)
- RO1NS-11145-01 Neurogenesis-Cytoarchitecture and growth of axons (rats, chick embryos)
- RO1NS-11644-01 Generation and degeneration of axons (fish, rats)
- MO1RR-00031-14 0054 General clinical research center - Hormonal control of fuel metabolism (human)
- ** MO1RR-00036-14 0097 General clinical research center - Intestinal protein metabolism and function (human)
- MO1RR-00036-14 0135 General clinical research center - Human lipoprotein metabolism
- ** MO1RR-00044-14 0089 General clinical research center - Metabolism of human blood cells
- MO1RR-00051-13 0144 General clinical research center - Metabolism and distribution of prothrombin and plasminogen
- ** MO1RR-00088-11 0038 General clinical research center - Total body N turnover and protein synthesis and catabolism (human)
- MO1RR-00088-11 0051 General clinical research center - Effect of insulin on amino acid metabolism (human)
- ** MO1RR-00349-08 0058 General clinical research center - Human alcoholic cirrhosis on protein metabolism
- PROTEINS METABOLISM DISORDERS**
SEE ALSO BLOOD PROTEINS DISORDERS
SEE ALSO BLOOD PROTEINS DISORDERS CONGENITAL
SEE ALSO METABOLIC DISORDERS (INBORN), AMYLOIDOSIS
SEE ALSO METABOLIC DISORDERS INBORN,
MUCOPOLYSACCHARIDOSIS
SEE ALSO PANCREAS DISORDERS, TRYPSINOGEN DEFICIENCY DISEASE
- RO1AM-04826-14 Abnormal proteins in the pathogenesis of disease (human, aspergillus)
- ** RO1AM-09406-11 0004 Genetic diseases - Collagen metabolism (human)
- RO1AM-15736-03 Physiology of operations for portal hypertension (human, dogs)
- RO1AM-17609-01 Protein synthesis in normal and regenerating liver (rabbits)
- RO1EY-00225-13 Studies on lens metabolism (rats, rabbits)
- ** RO1GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
- ** RO1GM-21016-01 Surface protein transformation
- R22HD-03741-12 Infant malnutrition (human, rats, swine)
- ** PO1HD-05875-04 0016 Aging mechanisms of in vitro human cell systems - Errors in protein synthesis and its relation to aging (WI-38)
- RO1HD-06355-03 Etiology of hypoglycemia in infants and children (human, rats)
- ** RO1HD-07627-01 Role of transfer RNA in cellular aging (human)
- ** RO1HD-08444-01 Relation of tRNA to protein errors in aging rat liver
- PO1HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
- RO1HL-12561-06 Cardiovascular studies on copper deficiency (sheep, miniature swine)
- RO1HL-16588-01 Collagen synthesis in atherosclerosis (dogs, rats, rabbits)
- MO1RR-00064-10 0031 General clinical research center - Creatine metabolism (human)
- ** MO1RR-00073-12 0068 General clinical research center - Prolidase defect-Effect of diet on urinary excretion of amino acids (human)
- ** MO1RR-00080-12 0082 General clinical research center - Hypervalinemia in patient with pernicious anemia
- MO1RR-00102-11 0003 General clinical research center - Methadone maintenance therapy
- MO1RR-00305-08 0016 Clinical research center for children - Hypoglycemia
- MO1RR-00645-03 0018 Clinical research center - Regulation of tyrosine and glutamic acid by thyroid and adrenal hormones (human)
- MO1RR-00865-01 0035 General clinical research center - Changes in intestinal mucosa in milk-protein induced GI injury (human)
- PROTEINS METABOLISM DISORDERS, PROTEINOSIS**
SEE ALSO RESPIRATORY DISORDERS, PULMONARY ALVEOLAR PROTEINOSIS
- ** RO1AM-17563-01 X-ray studies of hemoglobin and regulatory enzymes (human, rabbit, bacteria)
- PO1DE-03841-01 0010 Host response in dental disease - Saliva studies in *Macaca speciosa*
- P17HL-15061-03 0001 Response of lung to injury - Bronchopulmonary lavage (human, rabbits)
- P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
- PO1HL-16748-01 0001 Cellular and immunological bases of pulmonary diseases - Mechanisms of alveolar macrophage function and dysfunction (human, rabbits)
- ** MO1RR-00040-14 0019 General clinical research center - Bronchopulmonary lavage (human)
- ** MO1RR-00050-13 0055 Wilson's disease - Aerosolized trypsin in pulmonary proteinosis (human)
- ** MO1RR-00425-06 0005 General clinical research center - Secretion and removal of pulmonary surfactant in alveolar proteinosis (human)
- PROTEINS-PEPTIDES STRUCTURE**
- RO1AA-00191-03 Biochemical properties of human liver metalloenzymes
- ** PO1AI-07007-09 0001 Immunopathologic studies - Structure of human GBM
- RO1AI-10263-01 Structure and physiological function of malar enzymes (helminths)
- ** RO1AI-10619-03 A protein with repressor-like properties (bacteriophage, bacteria)
- RO1AI-10762-03 X-ray crystal structure and function of proteins (human, birds)
- RO1AI-10925-03 A new approach to enzyme-resistant penicillins (bacteria)
- RO1AI-11164-02 Biosynthesis of immunoglobulins (mice)
- RO1AI-11855-01 Molecular structure of RNA viruses (R17 phage, turnip yellow mosaic virus)
- ** RO1AI-11856-01 Molecular structure of RNA viruses
- ** RO1AI-11974-01 Determination of the antigenic structure of lysozyme (rabbits, goats)
- ** RO1AI-12142-01 Biochemical studies of a major opsonic protein (rats, rabbits, human, chickens)
- ** RO1AM-02528-15 X-ray structure analysis of biological molecules (marine animals, legumes)
- RO1AM-02809-16 Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid)
- ** RO1AM-03288-15 Molecular structure (bacteria)
- RO1AM-03428-15 Mechanisms of nitrogen transfer and urea formation (birds, rats, cattle)
- RO1AM-04349-14 Biophysical chemical studies of muscle proteins (chickens, rabbits)
- RO1AM-05968-14 Lipid metabolism (human, rats)
- ** RO1AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
- RO1AM-07140-10 Formyltetrahydrofolate synthetase (bacteria)
- ** RO1AM-07300-12 Peptides and proteins
- RO1AM-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
- PO1AM-08458-10 0001 Uremia and exchange of ions and water - Factors affecting renal excretion of sodium (dogs, cattle, toads, human)
- RO1AM-08465-09 Interactions in synthetic polyamine acids
- ** RO1AM-09070-10 Metalloenzyme synthesis and function (bacteria)
- ** RO1AM-09250-09 Characterization of erythrocyte proteins (human, chickens)
- RO1AM-10833-08 Structure of collagen (bacteria, mice, human)
- ** RO1AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
- RO1AM-12152-07 Function and mechanism of action of DRSP aldolase (bacteria, mammals)
- ** RO1AM-12180-06 Pyruvate decarboxylase-Coenzyme effect on structure (yeast)
- RO1AM-12683-06 Structure, function and properties of collagen (cattle, chicks, clams, human)
- RO1AM-12842-06 Regulatory enzymes of glycogen metabolism (rabbits, rats)
- ** RO1AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- ** RO1AM-14120-05 Molecular structure of connective tissue fibers (rats, fish, marsupials)
- RO1AM-14317-05 Myofibrillar fine structure in striated muscle (insects)
- RO1AM-14574-05 Apocarbonylase activation by d-biotin (human, chickens, cattle, E coli)
- ** RO1AM-14805-05 Chemistry and metabolism of basement membranes (rats, mice, human)
- RO1AM-15345-04 Liver fatty acid synthetase and acetyl coA carbonylase (swine)
- RO1AM-15621-01 Biochemistry of cytochrome P-450 and steroid hydroxylation (cattle)
- RO1AM-15656-03 Molecular pathology of heritable disorders (human, mice)
- RO1AM-15770-06 Structure and function of hemoglobin (cats)
- RO1AM-15964-03 Biopolymer chain conformations
- RO1AM-16127-04 Pathologic synthesis of collagen (human, rats)
- RO1AM-16226-01 Mechanism and control of serum albumin biosynthesis (rats, human, cattle)
- RO1AM-16366-01 Binding sites on the mitochondrial ATPase (cattle)
- RO1AM-16367-01 Cyclic nucleotide phosphodiesterase (rat liver)
- ** RO1AM-16446-02 X-ray crystal structure of sickle cell hemoglobin
- RO1AM-16554-02 Pantothenic acid and/or pantotheine binding protein
- RO1AM-16735-01 Tritiated peptides/proteins in endocrine biochemistry
- RO1AM-16741-01 Purine metabolism-Erythrocytes of developing chicks
- RO1AM-16914-01 Red cell cation transport and contractile function (human)
- RO1AM-17008-01 Structure and function of creatine kinase (rabbits, chicken)
- PO1AM-17040-01 0001 The basic defect in cystic fibrosis - Ciliary inhibitor isolation and characterization (human, oysters, dogs)
- ** RO1AM-17176-01 PAC and EPR studies of metalloenzyme structure
- ** RO1AM-17267-01 Far-infrared investigation of collagen
- ** RO1AM-17346-01 Muscle structure and contractile mechanism (human, chickens, invertebrates)
- RO1AM-17350-02 Chemistry of muscle proteins (chickens, lobster)
- RO1AM-17477-01 Biosynthesis of glycoproteins (rodents, cattle)
- RO1AM-17517-01 NMR studies of phospholipase A2-Mitochondrial systems (swine, snakes)
- RO1AM-17587-01 Regulation of mammalian amino acid metabolism (rats)
- P17AM-17702-01 0002 Hepatitis cirrhosis center - Structure of Y and Z proteins and their complexes with organic ions (human, rats)
- ** P17AM-17702-01 0004 Hepatitis cirrhosis center - Collagen in hepatic fibrosis (mice, rats)
- RO1AM-17750-01 Functional organization of the intestinal brush border (guinea pigs, mammals)
- RO1AM-18062-01 Thyroglobulin structure and thyroid hormone synthesis (human, sheep)
- RO1AM-18087-01 Effect of guanidine derivatives on biological systems (mammals)
- ** RO1CA-01786-20 0001 Blood proteins - Structure of myeloma globulin lambda chain (human)
- RO1CA-01786-20 0002 Blood proteins - Alpha-fetoglobulin (human, rats)
- ** RO1CA-01786-20 0003 Blood proteins - Superoxide dismutase (human)
- ** RO1CA-01786-20 0004 Blood proteins - Carbonic anhydrases (human, horses, cattle, goats)
- ** RO1CA-03728-17 0003 Metabolism of normal and leukemic leukocytes - Purify and characterize ribonucleotide reductase
- RO1CA-04464-16 Biosynthesis and role of deoxynucleotides (hamster, rats, human, E coli)
- RO1CA-07489-11 Biochemical studies on lysosomes and related enzymes (rats, protozoa)
- RO1CA-07883-10 Metabolic interrelationships (pyruvate kinase in mammals)
- ** PO2CA-08023-10 0014 Cancer clinical research center - Chemistry of matrix derivitization of proteins

(cont'd)

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- R01CA-11165-06 Allosteric regulation of monomeric enzymes (bacteria)
- R01CA-12468-04 Melanosome proteins and control by pigmentation genes (mice)
- R01CA-12842-03 Mechanisms of action of thymidylate synthetase (bacteria)
- R01CA-13014-03 Proteins of plasma cell cancers (human, rats, mice)
- ** R01CA-13330-03 0018 Cancer research program - Murine normal lymphoid and tumor cells
- ** R01CA-13534-03 Plasma membrane proteins in normal and cancer cells (human)
- ** R01CA-13840-02 Structural studies on dihydrofolate reductase (bacteria, cattle)
- R01CA-14538-02 L-asparaginase enzymology-Side effects of chemotherapy (bacteria)
- R01CA-15135-01 Histones in cell differentiation and carcinogenesis (mice, rats, human)
- ** R01CA-15173-01 Immunoproteins from plasma cell tumors (human)
- ** R01CA-15215-01 Structural analysis of two gamma-heavy chain disease proteins (human)
- R01CA-15733-01 Mitochondrial polyadenylation in neoplasia (rats)
- R01CA-15739-01 Nature of pyruvate kinase isozyme change in neoplasia (human)
- R01CA-16054-01 NMR studies of saccharide binding to concanavalin A
- R01CA-16312-01 Avian DNA polymerase-RNase H enzymes (E coli, oncogenic viruses)
- R01CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells)
- R01CA-17099-01 Factors in canine mast tumor implantation and growth (beagles)
- R01DE-02301-08 Proteolytic enzymes in bovine dental pulp
- ** R01DE-03433-03 Studies on proline-rich salivary proteins (human)
- R01EY-00449-04 Aldose reductase subunits (yeast, mammals)
- R01EY-00548-04 Role of macromolecules in photoreceptor membranes
- ** R01EY-01193-02 Primary structural studies of visual pigments (cattle)
- R01EY-01396-01 Preparation and characterization of cone pigments (chicken, fish, cattle)
- R01GM-06590-15 Biochemistry of alpha-keto acid dehydrogenase complexes (E coli, rats, cattle)
- R01GM-06635-14 Characterization and specificity of enzyme systems
- R01GM-06920-15 Molecular structure of biologically active molecules
- ** R01GM-07256-15 Chemical structure and enzyme activity of proteins (cattle)
- ** R01GM-10067-12 Gene-enzyme relationships in Neurospora (also chickens, sea urchins, bacteria)
- ** R01GM-11223-12 Protein configuration by fluorescence techniques
- R01GM-12006-11 Proteins in solutions interfaces and solids
- ** R01GM-12159-11 Structures-interactions of biological macromolecules (E coli)
- ** R01GM-12446-10 NMR studies of macromolecules and their interactions (rabbits, lobsters, swine)
- R01GM-13215-09 Structure-function studies of cytochrome C (horses)
- ** R01GM-13366-09 Crystallographic study of proteins (bacteria, plants, cattle)
- ** R01GM-13914-09 0001 Macromolecules of circulatory and genetic importance - Protein conformation (rabbits)
- R01GM-14363-09 Molecular biology of fertilization and early mitosis (sea urchins)
- ** R01GM-14603-08 Structure and interactions of proteins in solution
- ** R01GM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
- P01GM-15003-13 0001 The biological functions of metals - Carboxypeptidase A
- P01GM-15003-13 0002 The biological functions of metals - Neutral proteases (Bacilli)
- P01GM-15003-13 0003 The biological functions of metals - Alkaline phosphatase (E coli, yeast, human, Euglena)
- P01GM-15003-13 0005 The biological functions of metals - Liver alcohol dehydrogenase (human)
- P01GM-15003-13 0007 The biological functions of metals - Metal-enzyme complexes-Arginase (cattle, human)
- P01GM-15003-13 0008 The biological functions of metals - Metalloenzyme models
- ** P01GM-15003-13 0011 The biological functions of metals - AZO probes of protein conformation
- P01GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies
- ** R01GM-15053-08 Protein structure and function (E coli, yeast, rabbits, salmon)
- R01GM-15438-07 Characterization of mammalian mitochondrial ribosomes (cattle, E coli)
- ** R01GM-15547-07 Laser raman scattering from biological macromolecules
- ** P01GM-15731-06 0002 Proteolytic enzymes-Diversity, function, homology - Biospecific adsorption
- ** P01GM-15731-06 0003 Proteolytic enzymes-Diversity, function, homology - Biological events initiated by proteases (cattle, plants, aquatic animals)
- ** P01GM-15731-06 0004 Proteolytic enzymes-Diversity, function, homology - Diversity of proteolytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis)
- ** R01GM-16228-06 Structure-function of bacterial proteins (also cattle, plants)
- ** R01GM-16429-06 Enzymes in the crystalline state-Structure and activity (bacteria, plants)
- ** R01GM-16533-17 Genetic information and protein structure and function (fungi)
- P01GM-16934-06 0004 Sulfonamides and carbonic anhydrase-Basis for therapy - Liver carbonic anhydrase (rats)
- ** R01GM-17850-05 Optical properties of biological macromolecules
- R01GM-17956-03 Cyclic nucleotide phosphodiesterase
- R01GM-18172-04 Protein conformation and enzyme catalysis (bacteria, swine, cattle)
- ** R01GM-18268-04 Structure basis of enzyme action, specificity and control (microorganisms)
- ** R01GM-18298-03 Dielectric and NMR studies of proteins (cell lines)
- R01GM-18405-04 0002 Regulation and mechanism of cell surface synthesis - Mechanism of sugar transformation (E coli)
- ** R01GM-18466-04 Solvent accessibility in proteins (bacteria, mammals)
- ** R01GM-18472-04 Ligand binding to subunit proteins (human, ungulates, viruses)
- ** R01GM-18528-13 Molecular basis for function of bacterial metalloproteins (also plants)
- R01GM-18721-03 Molecular mechanisms in lipid bilayers (fish)
- R01GM-18725-03 Thermodynamic character of protein conformation (bacteria)
- R01GM-18868-03 Biosynthesis of cytochrome oxidase (yeast, cattle)
- ** R01GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
- R01GM-18974-03 Biochemistry and function of intercellular junctions (mice)
- ** P01GM-19100-03 0020 Genetics research center - Characterization of nuclear DNA in yeast (S cerevisiae mutants)
- ** R01GM-19357-03 Spectroscopic studies of metalloenzymes
- ** R01GM-19455-02 Structure of a micrococcal nuclease (also cattle, human)
- R01GM-19620-02 Vitamin transport (chickens)
- R01GM-19627-01 Contractile mechanism of vertebrate smooth muscle (children)
- ** R01GM-19682-02 Magnetic suspension balances
- ** R01GM-19789-02 Molecular structure of mammalian DNA polymerases (rats)
- ** R01GM-19843-02 Fluorescence and chemical studies on ribosomes (bacteria, mammals subhuman)
- ** R01GM-19929-02 Membrane proteins and tumor-specific antigens (human, guinea pigs)
- R01GM-20547-02 Structural and catalytic properties of tryptophan synthetases (bacteria)
- R01GM-20804-01 Molecular structure of sarcoplasmic reticulum (rodents, rabbits, chicken, frog)
- ** R01GM-20883-01 Crystal structure of human serum albumin
- R01GM-20926-01 Lysosomal membranes-Chemical composition (rats, rabbits, human)
- ** R01GM-21063-01 Interaction of sound with proteins
- R01GM-21073-01 The molecular mechanism of genetic recombination (E coli)
- R01GM-21085-01 Bovine lysyl oxidase and elastin
- ** R01GM-21129-01 Ribosomal protein crystals-Growth and x-ray (bacteria)
- R01GM-21164-01 Crystal structural studies of serum albumin (human)
- R01GM-21283-01 Simulation and analysis of protein evolution
- R01GM-21321-01 Rat liver microsomal cytochrome P 450
- M R01GM-21363-01 Chemical studies of enzymes and proteins
- ** R01GM-21398-01 X-ray crystallographic analyses of protein structure (legumes, ungulates)
- R01GM-21424-01 Effects of ribosome phosphorylation on translation (rabbit)
- ** R01GM-21534-01 Cytochrome structure and interaction (bacteria)
- R01GM-21712-01 Physiological role of membrane bound alkaline phosphatase (Bacillus subtilis)
- P17GM-21714-01 Core facility for research center on cellular membranes
- ** R01GM-21726-01 Molecular structure of a soluble monooxygenase (nematodes rats)
- R01HD-00700-11 Epidermal growth factor (mice, human)
- P01HD-04807-05 0006 Genetic and cytogenetic studies of mental retardation - Microtubule proteins of the mitotic spindle (human, mice)
- R01HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
- R01HD-05863-03 Reproductive biochemistry of testes specific LDH-X (mice, human)
- P01HD-05894-04 0017 Genetic childhood diseases and aging - Immunology of collagen in disease and aging (human, rats, whales)
- R01HD-07190-03 Structure-function of steroid binding proteins (human)
- P01HD-07376-01 0001 Fibroblasts and connective tissues in development - Quantity and chemical nature of collagens in culture (WF-38)
- P01HD-07376-01 0002 Fibroblasts and connective tissues in development - Collagen alterations in development, maturation, aging and disease (human)
- ** P01HD-08181-01 0007 Cell biology of aging - Biochemical analysis (caenorhabditis)
- ** R01HD-08270-01 Spermiogenesis-Analysis of nuclear protein (rodents, lagomorphs, monkeys, human)
- R01HD-08679-01 Study of fetal myosin (mice)
- R01HL-01662-21 Equilibria in the fibrinogen-fibrin conversion (human, cattle)
- R01HL-02033-20 Regulation of cholesterol esters in blood and tissues (dog, rat, cattle, human)
- R01HL-02558-18 Structure-function relationships in the heme proteins (human, cattle)
- ** R01HL-06400-13 Structure and function of proteins (cattle, swine, chicks, bacteria, human)
- R01HL-06924-12 Humoral and metabolic aspects of cardiac function (rats, human)
- R01HL-11511-06 Conformation of ferritin and apoferritin in solution (horse, rat, human)
- ** R01HL-11822-06 Biophysical studies on macromolecular interactions (microorganism, plant, mammal)
- ** R01HL-11963-06 Biochemistry of blood vessel formation and disease (swine)
- ** R01HL-12326-07 Respiratory proteins-Structure and function (squid, crabs, worms)
- R01HL-12524-06 Reaction of hemoglobin with ligands and antibodies (human, carp)
- R01HL-12526-05 Raman spectra of heme proteins and related molecules
- ** R01HL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)
- ** R01HL-13651-03 X-ray photoelectron spectroscopy of heme compounds
- ** R01HL-13989-03 Role of water in respiratory protein structure
- R01HL-14055-04 Alpha-keto acid metabolism in heart, kidney, and liver (rats, yeast)
- ** R01HL-14067-04 Normal and abnormal low density lipoproteins (human)
- ** P17HL-14194-04 0010 Pathophysiology of atherosclerosis - Structure of human low density lipoprotein
- ** P17HL-14217-04 0018 Specialized center of research in thrombolysis - Electron microscopic study of fibrinogen structure
- ** P17HL-14217-04 0020 Specialized center of research in thrombolysis - N-terminal amino acids of plasmin degradation products of fibrinogen
- ** P17HL-14217-04 0021 Specialized center of research in thrombolysis - Cyanogen bromide derivatives of fibrinogen
- R01HL-14270-03 Metal and ligand bindings in hemoproteins and enolase
- R01HL-14399-03 Lung collagen and elastin (guinea pigs)
- R01HL-14453-03 Denaturation of the hemoglobins by the ureas (helminths, human)
- R01HL-14972-20 Configurational changes in protein molecules (cattle)
- ** P17HL-15062-03 0001 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins (human, monkeys)
- ** P17HL-15062-03 0003 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins-EM and fluorescence
- P17HL-15062-03 0004 Study of lipoproteins, artery wall, and atherosclerosis - Interactions of serum lipoproteins - lipoprotein lipase (human, animals)
- P17HL-15062-03 0005 Study of lipoproteins, artery wall, and atherosclerosis - Interactions of serum lipoproteins, lecithin-cholesterol acyl transferase
- P17HL-15062-03 0006 Study of lipoproteins, artery wall, and atherosclerosis - Lipoproteins and clotting and fibrinolytic systems (human, monkeys)
- P17HL-15062-03 0007 Study of lipoproteins, artery wall, and atherosclerosis - Physical chemistry of lipid-protein interaction (human)
- P17HL-15062-03 0009 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)
- R01HL-15309-02 Normal and variant human alpha 1-antitrypsin
- R01HL-15679-02 Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens)
- ** R01HL-15958-02 X-ray diffraction analysis of thrombin and neurotoxin
- R01HL-16093-01 Properties of the alpha and beta-chains in hemoglobin (human)
- R01HL-16552-01 Regulation of cardiac adenyl cyclase activity (cats, bacteria)
- R01HL-16575-01 Structural basis for redox potentials in hemoproteins (mammals, microorganisms)

(cont)

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- R01HL-16596-01 Structure and function of cardiac myosin (dogs, human)
- R01HL-16601-01 Structure and function of blood proteins (human, rats)
- R01HL-16608-01 Cardiac creatine kinase—Properties and localization (cattle)
- R01HL-16891-01 The folding of hemoglobin
- R01HL-16927-01 Functional studies on A and S hemoglobins (human)
- R01HL-16934-01 Acquisition of native conformation of protein (human, cattle)
- R23HL-17141-01 Collagen chemistry in pulmonary fibrosis (human)
- M R01NS-03304-13 Proteins in excitable membranes
- R01NS-03304-13 0003 Proteins in excitable membranes - Protein components in excitable membrane fragments (electric eel, rats)
- R01NS-07657-07 Coenzyme binding and nervous disorders
- R01NS-10344-01 Myelin constituents in murine leukodystrophy (mice)
- R01NS-10490-01 Metabolism of cAMP in brain (human)
- R01NS-10709-01 GTP and tubulin structure (sheep)
- R01NS-11073-01 Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish)
- R01NS-11211-02 Neural differentiation—Nerve growth factor proteins (snakes, chickens, mice)
- R01NS-11867-01 Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits)
- P07RR-00015-12 0070 Medical school computer facility - Protein packing patterns
- P07RR-00708-01 Special resource for NMR and mass spectrometry
- M P07RR-00711-02 High frequency NMR biotechnology resource
- P07RR-00711-02 0006 High frequency NMR biotechnology resource - Regulatory protein of carp white muscle
- PROTEINS-PEPTIDES STRUCTURE, AMINO ACIDS SEQUENCE**
- R01AA-00279-04 Specific activators of liver alcohol dehydrogenase (horses, human, rats)
- R01AA-00323-03 Prevention of adverse metabolic effects of alcohol
- R01AA-00685-19 Study of bacterial flagella
- R01AA-01575-18 Nutrition and metabolism of microorganisms
- R01AA-01808-17 Taxonomy and phylogeny of pseudomonads
- N01AA-02169-07 Methods of producing human interferon
- R01AA-03231-15 Structural basis of antibody specificity (mice, rabbits)
- R01AA-03242-13 0002 Genetics, structure, and function of bacterial pili - Sex pili properties (bacteria)
- R01AA-03962-14 Structure-chemical nature of specific antibody sites
- R01AA-04181-13 An inducible bacterial enzyme (E coli)
- R01AA-04342-13 Chemistry and immunology of streptococcal antigens (mice, human)
- R01AA-04967-12 Sequence, shape and specificity of antibodies (rabbits)
- R01AA-05660-11 Immunoglobulins and immune responses (birds)
- R01AA-05875-10 Antibody synthesis (mice)
- R01AA-06281-10 Structural basis of antibody specificity (rabbits)
- R01AA-06610-10 Receptor function in lymphocyte differentiation (mice)
- R01AA-06659-10 The structure of antibody molecules (mice, rabbits)
- R01AA-06712-10 Staphylococcal metabolism (fungi)
- R01AA-07184-09 Antigenic antibodies (rabbits)
- R01AA-07615-09 Purification and chemistry of the enterotoxins (monkeys, rabbits, pigs)
- R01AA-07825-08 0002 Immunological studies with synthetic polypeptides - Mechanism of antigen-antibody reactions
- R01AA-08202-07 Structure of immunoglobulins (human)
- R01AA-08429-08 Bacterial antigens and antibodies (rabbits, human)
- R01AA-08445-05 Chemical studies on proteins of immunological interest
- R01AA-08614-07 Polyfunctional antibody combining regions (mice, sheep)
- R01AA-08778-06 Clonal analysis of the immune mechanism (mice)
- R01AA-08831-06 Origin of pandemic influenza viruses (birds, swine)
- R01AA-09044-06 Phi X 174 coat proteins
- R01AA-09116-06 Tissue enzymes and plasma proteins (rabbits)
- R01AA-09145-14 Genetic mechanisms in immunologic deficiency states (human)
- R01AA-09273-06 Structure and activity of proteins (mice)
- R01AA-09533-04 Chickens immunoglobulins—Complexity and evolution
- R01AA-09614-05 Structural elucidation of histoplasmin (HPD dII and dIII) (guinea pigs)
- R01AA-09652-05 Product analysis to assess lymphoid cell potential (rabbits)
- R01AA-09738-04 Secretory immunoglobulin (human, rabbits)
- R01AA-09758-05 Structure-function relationships of immunoglobulins (human, ducks, mice, rabbits)
- R01AA-09779-05 Regulation of morphogenesis in the higher fungi
- R01AA-09810-05 An immunochemical study of human gamma globulins (human, rabbits, monkeys)
- R01AA-09813-04 Structure, genetics and evolution of IgA globulins (human, monkeys)
- R01AA-10106-04 Mode of action of I-colicins on Escherichia coli
- R01AA-10180-04 Biologic properties and chemical structure of HLA-A antigens
- R01AA-10201-04 Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
- R01AA-10220-04 Structure and biosynthesis of antibodies (mice)
- R01AA-10326-04 Genetic and biochemical studies of Reovirus
- R01AA-10454-03 Antibody combining site structure and specificity (rabbits)
- R01AA-10457-03 Variable heavy chain pool in the BALB/C mouse immunoglobulin
- R01AA-10495-03 Cellular immunity in allergic encephalitis (human, guinea pigs)
- R01AA-10551-03 Structural studies of immunoglobulin M (human)
- R01AA-10580-03 Genetic control of immunoglobulin synthesis (human, rabbits)
- R01AA-10619-03 A protein with repressor-like properties (bacteriophage, bacteria)
- R01AA-10734-03 Immunoglobulin subclasses (human, rabbits, mice)
- R01AA-10781-03 Genetics of antibody diversity, evolution and allotype (rabbits)
- R01AA-10810-08 Structural studies on immunoglobulins (rabbits)
- R01AA-11014-02 Structure and conformation of oligosaccharides (human, horses)
- R01AA-11234-02 Structure and genetic control of rabbit IgA
- R01AA-11439-01 Genetic components of the immune response (rabbits)
- R01AA-11453-02 The variable fragment (FV) of antibodies (human, mice)
- R01AA-11462-01 Comparative immunology of related Moraxella proteins
- R01AA-11516-01 typhimurium Frameshift mutagenesis in Salmonella
- R01AA-11550-02 Structural studies of human monoclonal autoantibodies
- R01AA-11564-02 Alpha toxin—Chemistry and action on membranes (bacteria, mammals)
- R01AA-11719-02 Multiple molecular forms of antihapten antibody (human, animals)
- R01AA-11822-01 Properties of streptococcal M-proteins
- R01AA-11887-01 Structure and synthesis of immunoglobulins (human, mice)
- R01AA-11973-01 Determination of the antigenic structure of lysozyme
- R01AA-12001-01 Antigenicity of globular proteins (rabbits)
- R01AA-12127-01 Immunoglobulin V region structure—Genetic (human, mice, dogs, cats)
- R01AA-12136-01 Beta 2-microglobulin on the surface of lymphocytes (mice)
- R01AA-12273-01 Modulation of immunity to group A streptococci (rats, chickens)
- R01AA-00562-21 Study of metabolic mechanisms (bacteria, plants)
- R01AA-01107-18 Components of human gastric juice (human, animals)
- R01AA-01383-18 Enzymatic synthesis of cholesterol and fatty acids (rats, pigeons, tomato)
- R01AA-01448-18 Catalytic functions and metabolism of vitamin B6 (bacteria, fungi)
- R01AA-01825-16 Mechanism of collagen formation (human, mammals, chickens, marine organisms)
- R01AA-02449-16 Protein structure and biological function (swine, chickens, microorganisms)
- R01AA-02594-16 Structure of immunoglobulins and related proteins (human)
- P01AA-03555-15 0001 Coordinated studies in rheumatic diseases - Structure of immunoglobulin M (human, fish, amphibians)
- P01AA-03564-15 0030 Mesenchymal tissues and their diseases - Structure of collagen
- R01AA-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- R01AA-04256-14 Energy transfer in biological systems (virus, rats, human)
- P02AA-04501-13 0002 Metabolic disease research center - Chemistry of parathyroid hormone (cattle, swine, human)
- R01AA-04576-14 Protein interactions and biological function (rabbits, rats, human)
- R01AA-05344-13 Transport of thyroid hormones (human, animals)
- R01AA-05821-12 Chemistry of maturation of collagen (rats)
- R01AA-06482-12 Distortion of disulfide bridges in enzymes (plants)
- R01AA-07697-11 Chemistry of elastin (cattle, chick embryo, swine)
- R01AA-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
- R01AA-07902-11 Structure and function of enzymes (rabbits, rats, microorganisms, dogfish)
- R01AA-08499-10 Diabetes mellitus in Psammomys obesus (rats, guinea pigs, rabbits, hamsters)
- R01AA-09001-10 0039 Biochemistry and immunology of blood diseases - Determination of nucleotide sequence by dinucleotide assay
- R01AA-09001-10 0044 Biochemistry and immunology of blood diseases - Proteolytic enzymes from pronase
- R01AA-09313-09 Pyridine nucleotide-disulfide oxidoreductases (bacteria, yeast, swine)
- R01AA-09404-09 Molecular structure and function of muscle (rabbits, chick embryo)
- R01AA-09537-09 Conversion of growth hormone and prolactin (human, dogs)
- R01AA-09001-09 The chemistry of luteinizing hormones (human, swine, sheep)
- R01AA-09826-09 Gastric zymogens, proteases and inhibitors (cattle, dogs)
- R01AA-09970-09 Biochemistry of complex carbohydrates (viruses, earthworm)
- R01AA-10273-08 Chorionic gonadotropin (human, sheep, rats)
- R01AA-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
- R01AA-10428-09 Immunochemistry of hemoglobin variants (rabbits)
- R01AA-11043-08 Thyroglobulin in thyroid disease (human, rabbits)
- R01AA-11157-08 Molecular basis of aspartokinase feedback control (E coli)
- R01AA-11248-08 Structure of connective tissue proteins (human, mammals)
- R01AA-11493-08 Theoretical studies on protein structure
- P01AA-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- R01AA-11852-07 Estrogen binding in human serum (also rats)
- R01AA-12245-07 Structure of biotin enzymes (cattle, birds, microorganisms)
- R01AA-12302-07 Parathyroid hormone and calcitonin (human, swine)
- R01AA-12861-06 Structure and activity of growth hormone (shark, cattle)
- R01AA-13115-11 Properties and metabolism of individual proteins (rabbits, yeasts)
- P01AA-13173-10 0002 Malignant and genetic alterations in human cells - Biochemistry of hemoglobins (human, dog, coyote, elephant, salamander, opossum)
- P01AA-13173-10 0004 Malignant and genetic alterations in human cells - Physical and chemical characterization of pyruvate kinase (human, bovine)
- R01AA-13248-06 Chemistry of sickle cell anemia variants (human)
- R01AA-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- R01AA-13389-06 Immunochemical studies on human hemoglobins (whales)
- R01AA-13390-07 Mechanism of fatty acid synthesis in animals (chickens, pigeons)
- R01AA-13441-06 Immunology conformation and activity of insulin (mice, guinea pigs)
- R01AA-13567-05 Biofunctional conformation of peptide hormones (cattle)
- R01AA-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
- R01AA-13914-05 Prounsulin studies (human, animals)
- R01AA-13983-05 Genetic control of hemoglobin synthesis, (mice, rats, rabbits)
- R01AA-14307-05 Structure and function of pancreatic enzymes (cattle, pigs)
- R01AA-14315-06 Enzymology and metabolism of I-C and S compounds (rats, bacteria)
- R01AA-14553-04 The role of thyroglobulin in thyroxine biosynthesis
- R01AA-14575-05 Phosphoenolpyruvate carboxylases
- R01AA-14638-04 Structure and function of aldose-hexose isomerases (human, Euglena)
- R01AA-14728-03 Structure-function studies on actin and myosin (rabbits, cattle)
- R01AA-14762-04 Role of protein structure in amino acid availability (plants, rats)
- R01AA-14837-04 Studies of a peptide from pancreas (human, chickens)
- R01AA-15053-04 Structure and function of Hb A and Hb S (human)
- R01AA-15057-04 Flavin-protein interactions in flavoenzyme catalysis (bacteria)
- R01AA-15061-03 Collagenase—Structure and biological function (clostridium)
- R01AA-15282-01 Heme proteins structure, function, genetics (rodents, armadillo, bats, protozoa)
- R01AA-15332-03 UDP glucose dehydrogenase (cattle, E coli)
- R01AA-15367-03 Degradative mechanisms of collagen in health and disease (amphibian)
- R01AA-15656-03 Molecular pathology of heritable disorders (human, mice)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL 8 (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- POIAM-15671-04 0008 The biology of skeletal and other connective tissues - Enamel proteins-chemistry and structure (cattle)
- ** POIAM-15671-04 0035 The biology of skeletal and other connective tissues - Amino acid sequence of two phosphorylated polypeptides (cattle)
- ROIAM-15951-03 Calcium control of PTH and calcemic peptide biosynthesis (human, animals)
- ** ROIAM-16065-03 Primary structures of growth hormones and prolactins (human, vertebrates)
- ** ROIAM-16168-03 Human prolactin, growth hormone, and placental lactogen (human, animals)
- ROIAM-16445-01 Active sites of contractile proteins
- ** ROIAM-16506-02 Chemistry and biology of normal and abnormal collagens (human)
- ROIAM-16510-03 Purification, function of hypothalamic poly peptides (human, cats, rats)
- ** ROIAM-16722-01 Genetic and chemical studies of enzyme variations (human, bacteria)
- ROIAM-16728-02 Structure and function of muscle regulatory proteins (rabbit, carp)
- ** ROIAM-16732-13 Nature of iron-binding proteins (human, chick)
- ROIAM-16740-01 Human gonadotropins-Chemical structure, immunobiology
- ** ROIAM-17226-01 Growth factor from pterocarcoids of *S. mansoni* (also animals)
- ROIAM-17325-02 The structure of glycoproteins (human, cattle, mollusks, annelids, rats, mice)
- ** ROIAM-17348-01 Properties of hemoglobin (human, rats)
- ** ROIAM-17554-01 0001 The IgA of globulins of serum and external secretions - Structure and binding of J chain (human, rabbits)
- ** ROIAM-17554-01 0002 The IgA of globulins of serum and external secretions - Structure and binding of secretory component (cows)
- ** ROIAM-17554-01 0006 The IgA of globulins of serum and external secretions - Proteolytic fragments of gamma M
- ** ROIAM-17554-01 0008 The IgA of globulins of serum and external secretions - Investigation of gamma M subunit disease (human)
- ROIAM-17779-01 Degradative mechanisms of collagen in health and disease (amphibian, human)
- ** ROIAM-02290-21 Purification and chemistry of protein hormones (human, animals)
- PO2CA-06516-12 0015 Cancer center support grant-Comprehensive - Chemical characterization of neocarzinostatin
- ROIAM-08395-09 Control factors for DNA synthesis (bacteria, human, mammals sub-human)
- ROIAM-08418-09 Glycoproteins from cancer cells (mice, guinea pigs)
- ROIAM-08497-09 Abnormal proteins in multiple myeloma (human)
- ROIAM-10056-09 Proteins in multiple myeloma and related blood diseases (human)
- ROIAM-10871-07 Structure and function of chromosomal nucleohistone (animals, bacteria)
- PO1CA-10893-06 0003 Cancer Research Center - Nuclear Protein Section (cattle, rats)
- ** ROIAM-10904-06 Biochemical studies in cancer (mice, rats)
- ROIAM-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
- ** ROIAM-11666-05 Structure-function studies of dihydrofolate reductase (chickens)
- ROIAM-12646-03 Abnormal metabolism of cancer patients
- ROIAM-12877-04 Properties and function of nuclear phosphoproteins (rats, mice)
- ROIAM-13077-03 CEA characterization and radioimmunoassay (human, mammals nonhuman)
- ** PO1CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
- ROIAM-13220-03 Membrane biochemistry of neoplastic cells
- ROIAM-13992-02 0005 Surface membranes of normal and cancer cells - Purification of large early-eluting component
- ROIAM-14040-01 Influence of portacaval shunt on tumor growth (rats)
- ** PO2CA-15145-01 0033 Cancer center support grant - Amino acid sequences-Automatic integrated procedures
- PO2CA-15145-01 0051 Cancer center support grant - Structures of variable regions of antibodies
- ROIAM-15338-01 Membrane specificities related to neoplasia (mice)
- ROIAM-15419-01 Role of thyroxin in development and aging (human, mice, cattle)
- ROIAM-15483-07 Biochemistry of mucopolysaccharides
- ** PO1CA-16038-01 0009 Program on the molecular basis of viral transformation - SV40 proteins
- ROIAM-16115-01 Proteins in oncogenic viruses-Polyoma and SV40
- ** ROIAM-43986-00 Biochemistry of normal and tumor cell surface antigens
- ROIAM-33366-01 Nucleic acids and proteins of the avian myeloblastosis virus
- ROIAM-43388-00 Type-C viruses in relation to oncogenic potential (human, animals)
- ROIAM-01919-12 Biophysical methods applied to teeth (dinosaur)
- ROIAM-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
- ROIAM-00501-06 Opticomechanical study of gel structures in the eye (cattle, human, rats)
- ROIAM-00704-04 Biochemical and biophysical investigation of rhodopsin
- ** ROIAM-00813-04 Mechanism of leucine aminopeptidase (cattle)
- ** ROIAM-01193-02 Primary structural studies of visual pigments (cattle)
- ROIAM-02907-23 ACTH and related peptides (rats, rabbits)
- ** ROIAM-05472-16 MS methods in protein and nucleic acid chemistry
- ROIAM-06245-15 Chemistry of Krebs cycle enzymes (swine)
- ROIAM-06965-15 0013 Basic experimental biology - Amino-terminal regions of mouse kappa chains
- ROIAM-06965-15 0044 Basic experimental biology - Immunoglobulin light chains allotype and sequence (rabbits)
- ** ROIAM-06965-15 0059 Basic experimental biology - Variable region sequence of kappa chains
- ROIAM-06965-15 0062 Basic experimental biology - Amino-terminal regions of mouse heavy chains
- ** ROIAM-06965-15 0066 Basic experimental biology - Automatic data processing for automatic sequencer
- ROIAM-07830-14 Influence of a mutant gene on riboflavin metabolism (chickens)
- ** ROIAM-08647-13 Mechanism of messenger-RNA translation (microorganisms)
- ** ROIAM-08710-13 Sequence of amino acids in proteins by computer aids
- ROIAM-09326-13 Genetic and chemical studies of protein variations (human, primates, cattle)
- ROIAM-09738-13 Genetic and biochemical study of tryptophan synthetase (bacteria)
- ROIAM-09886-13 Genetic studies in *Drosophila melanogaster*
- ROIAM-10067-12 Gene-enzyme relationships in *Neurospora* (also chickens, sea urchins, bacteria)
- ROIAM-10374-12 Chemistry of human glycoproteins and proteins
- ** ROIAM-10402-12 0012 Zoophysiology in Alaska - Genetic relations through amino acids sequence (rodents, carnivores)
- ** ROIAM-10402-12 0035 Zoophysiology in Alaska - Genetic relations through amino acid composition and sequence in proteins
- ROIAM-10831-15 Chemistry of local environments in protein
- ** ROIAM-11061-12 Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria)
- ** ROIAM-11105-12 Metabolism of certain amino acids (earthworm, rats)
- ROIAM-11216-11 Genetic studies of protein differences (*Drosophila*)
- ** ROIAM-11738-10 Primary structure of ribosomes (*E. coli*, *A. vinelandii*, *B. stearothermophilus*)
- ROIAM-11764-09 Studies on pancreatic proteins (pigs, human)
- ROIAM-11899-11 Control mechanisms in enzyme biosynthesis (bacteria)
- ROIAM-12323-10 0005 Biochemical genetics - Isoleucine-valine mutants of *Neurospora*
- ** ROIAM-12607-10 Protein structure and biological function (human, microorganisms, mice)
- ROIAM-12702-10 Genetic control of cytochrome C in yeast
- ROIAM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- ROIAM-13885-09 Physical and catalytic behavior of hydrolytic enzymes (snakes, swine, fruit)
- ROIAM-14069-09 Conformation and association of peptides
- ROIAM-14652-08 Genetic control of protein synthesis in *E. coli*
- ROIAM-14945-08 Divalent cations in enolase and other biological systems (human)
- ROIAM-15253-08 0001 Genetics in medicine-Gene action in man - Hemoglobin variants
- ROIAM-15253-08 0008 Genetics in medicine-Gene action in man - Genetically altered G6PD and PKG (human)
- ROIAM-15253-08 0025 Genetics in medicine-Gene action in man - Isolation and base sequence of normal and mutant m RNA
- ROIAM-15253-08 0026 Genetics in medicine-Gene action in man - Variation at the G6PD locus
- ROIAM-15419-07 0004 Cellular and biochemical genetics - Hemoglobin and other proteins (human)
- ROIAM-15419-07 0006 Cellular and biochemical genetics - Evolution of carbonic anhydrase (human and nonhuman)
- ** ROIAM-15423-07 0044 Molecular basis of control mechanisms - Sequence and structure in proteins
- ** ROIAM-15423-07 0052 Molecular basis of control mechanisms - Base sequence in the mutant sites
- ** ROIAM-15731-06 0001 Proteolytic enzymes-Diversity, function, homology - Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals)
- ** ROIAM-15924-07 Structure-function studies on microsomal membrane (rabbits, cattle)
- ROIAM-16195-06 Biomolecular structure by electron microscopy
- ROIAM-16726-05 Active center studies of enzymes (kangaroos, turtles, deer, yeast)
- ROIAM-16784-05 Structure-function and evolutionary studies of proteins (bacteria, plants, cattl)
- ROIAM-16974-05 Sulfonic acids as enzyme functional group (pseudomonas)
- ROIAM-17129-04 Ribosome structure and function (*E. coli*)
- ROIAM-17528-18 Interaction of proteins with metal and hydrogen ions (cattle)
- ROIAM-17533-13 Protein and nucleic acid model studies (*E. coli*)
- ROIAM-17995-03 Embryonic chromosomal proteins and their RNA templates (sea urchins)
- ROIAM-18098-04 NMR study of the lac-repressor protein (*E. coli*)
- ROIAM-18254-04 Genetic and chemical analysis of alcohol dehydrogenase (*Drosophila*)
- ROIAM-18293-04 Genetics of bacterial ribosomes
- ROIAM-18407-03 Beta-Keto-acyl carrier protein synthetase (*E. coli*)
- ROIAM-18578-03 A new technique for detection of mutations in man (and primates)
- ROIAM-19037-03 Basis of cyclic AMP action (cattle)
- ROIAM-19121-03 Mitochondrial membrane metabolic role of cytochrome C (animals, fungi)
- ROIAM-19172-03 Sea snake venoms and toxins (mice)
- ROIAM-19236-03 Translational control of spora development
- ROIAM-19271-01 The amide transferases (bacteria, chicken)
- ** ROIAM-19301-03 Protein kinase-Structure and c-AMP interaction (pig)
- ROIAM-19302-03 Bacterial ribosome biosynthesis and RNA minor bases
- ROIAM-19412-03 Basis of specificity in protein-nucleic acid interaction (*E. coli*)
- ROIAM-19508-03 Structures of aminoacyl-tRNA synthetases (*E. coli*)
- PO1GM-19521-03 0008 Genetic study of mammalian control systems - Physical and chemical studies of lysosomal enzymes (mice, human)
- ROIAM-19645-02 Synthesis and conformation of cyclic tetrapeptides
- ROIAM-19670-02 Transcription and translation regulatory signals (*E. coli*)
- ROIAM-19948-05 Isocitrate dehydrogenase structure and activity (bacteria)
- ROIAM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
- ** ROIAM-20048-02 Amino acid sequences-automatic integrated procedures
- ** ROIAM-20069-02 Genetic control of protein structure and synthesis (human, mammals)
- ROIAM-20207-01 Biotin holoenzyme synthetase-Mechanism and specificity (yeast, *E. coli*)
- ROIAM-20212-01 Mammalian cathepsin D (cattle, swine, human, rabbits, chickens)
- ROIAM-20371-01 Regulatory processes affecting enzyme activity (bacteriophage, chick)
- ROIAM-20479-01 Affinity labeling of glycolytic enzymes (rabbits)
- ** ROIAM-20520-01 Cytochromes in normal and altered hepatocyte membranes (human, mammals nonhuman)
- ROIAM-20680-01 Investigation of tissue sulfhydryl proteinases (calf)
- ROIAM-20793-01 Negative ion studies of bioorganic molecules
- ROIAM-20947-02 Structure and function of beta-galactosidase from *E. coli*
- ** ROIAM-20964-01 Genetic control of antibody structure (mice)
- ROIAM-21050-01 Molecular mechanism of control of gene function (bacteriophage, bacteria)
- PO1GM-21054-01 0006 Human genetics center - Salivary proteins
- ** ROIAM-21321-01 Rat liver microsomal cytochrome P 450
- ROIAM-21340-01 Molecular control of capsid form in Bacteriophage T4
- ROIAM-21363-01 0001 Chemical studies of enzymes and proteins - Lactase synthase (cattle milk)
- ROIAM-21363-01 0002 Chemical studies of enzymes and proteins - Transferrins (human)
- ROIAM-21380-01 Molecular basis for protein-nucleic acid interactions (bacteria)
- ** ROIAM-02899-07 Primary and tertiary structure of proteins (human, chicken, cattle, pigs)
- ** ROIAM-03321-08 Genetic control of the structure of human proteins
- ROIAM-03726-08 Human pituitary gonadotrophins (also rats)
- ROIAM-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
- ** ROIAM-04485-04 0001 Growth hormone structure-function relationships - Production of derivatives (swine, human)
- ROIAM-04592-06 Biochemistry of the male genital tract (rodents)
- ROIAM-04701-05 Developmental biology (moths)
- ROIAM-05894-04 0002 Genetic childhood diseases and aging - Immunoglobulin F and thymesin use in the early diagnosis of immune deficiency

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
- RO1HD-07447-01 Chemistry and physiology of placental lactogen (human, sheep)
- RO1HD-07741-01 Biochemical and cellular analyses of embryonic development (marine fish, mammals)
- RO1HD-07843-01 Placental and pituitary protein and polypeptide hormones (human, rabbit)
- RO1HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
- ** RO1HL-02558-18 Structure-function relationships in the heme proteins (human, cattle)
- ** RO1HL-02751-17 Formation and function of serum albumin (cattle, rats)
- ** PO1HL-03174-19 0003 Mechanisms of acute vascular reaction to injury - Collagen-sites for intra- and intermolecular crosslinking (chickens)
- RO1HL-03226-16 Enzyme catalytic mechanism studies (swine)
- RO1HL-03424-17 Formation and properties of prothrombin derivatives (cattle)
- RO1HL-03599-17 High energy phosphate transferring enzymes (swine, rabbit, carp, squid)
- RO1HL-05004-13 Sickle cell anemia (deer)
- RO1HL-05556-14 Structure and reactivity of proteins and lipoproteins (human, catceae, seals)
- RO1HL-05949-14 Biochemistry of muscle contraction (rats, rabbits, slime molds)
- RO1HL-06400-13 Structure and function of proteins (cattle, swine, chicks, bacteria, human)
- RO1HL-07379-09 Structure of fibrinogen (human)
- RO1HL-07703-12 Chemistry of human blood coagulation
- ** RO1HL-08299-11 Molecular biology of hemerythrin and hemocyanin (invertebrates)
- RO1HL-09234-10 Amino acids of contractile proteins of failing hearts (dogs, hamsters)
- RO1HL-09939-09 Subunits formed during human prothrombin activation
- RO1HL-10383-08 Physical-chemical studies of hemoglobins (human)
- RO1HL-11119-13 Amino acid analyzer for biochemical research (bacteria, mammals nonhuman)
- RO1HL-11201-08 The enzymology of angiotensin production (human, swine)
- PO1HL-11310-08 0042 Mechanisms of cardiovascular disease - Conformations and molecular associations within the arterial wall (human, dogs)
- ** RO1HL-11553-06 Chemistry of electron-transfer proteins (mammals)
- RO1HL-11857-07 Mechanism of blood coagulation (human, cattle)
- ** RO1HL-12585-06 Structural properties of malate dehydrogenase (swine)
- RO1HL-12759-05 Fibrin formation-Molecular basis and regulation (human, cattle)
- RO1HL-12958-08 Dissociation of normal and abnormal hemoglobins (human, deer)
- RO1HL-13003-05 Assembly of membranes in heart and yeast mitochondria
- ** RO1HL-13160-04 Specific labeling and sequencing of human thrombin
- ** RO1HL-13423-04 Structure-function studies of plasminogen and plasmin (human, animals)
- RO1HL-13598-03 Prothrombin activation (human, cattle)
- ** RO1HL-13882-03 Structure and properties of hemoglobin (sea cucumber)
- P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
- P17HL-14192-04 0004 Specialized center of research in hypertension - Salivary gland enzymes and blood pressure regulation (mice)
- P17HL-14194-04 0003 Pathophysiology of atherosclerosis - Isolation of lipid-binding fragments of apo LP-glutamine from human HDL
- ** P17HL-14194-04 0004 Pathophysiology of atherosclerosis - Isolation of cyanogen bromide fragments of apo LP-glutamine-4 from human HDL
- P17HL-14197-04 0003 Center of research on arteriosclerosis - Lipoprotein structure and function (human, cattle, swine)
- P17HL-14236-04 0008 Prevention of premature arteriosclerosis - Lipoproteins of cell membranes (human)
- P17HL-14237-04 0001 Arteriosclerosis center - Specific apolipoproteins in lipoprotein structure, function (human, rats)
- P17HL-14237-04 0002 Arteriosclerosis center - Enzymatic basis of lipoprotein lipid metabolism (human, rats)
- P17HL-14237-04 0003 Arteriosclerosis center - Subunit structure, composition of apolipoprotein in hyperlipoproteinemic man
- RO1HL-14277-02 Myocardial depressant factor in circulatory shock (cats, dogs)
- RO1HL-14657-03 Chemical events occurring in prothrombin activation (human)
- RO1HL-14759-03 Immunocytochemistry of lung collagen (human, guinea pigs)
- P17HL-15061-03 0004 Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
- P17HL-15062-03 0001 Study of lipoproteins, artery wall, and atherosclerosis - Structure and molecular interactions of serum lipoproteins (human, monkeys)
- ** P17HL-15062-03 0004 Study of lipoproteins, artery wall, and atherosclerosis - Interactions of serum lipoproteins - lipoprotein lipase (human, animals)
- P17HL-15088-03 0009 Diffuse granulomatous and fibrotic pulmonary disease - Biochemistry and immunocytochemistry of human lung basement membrane (also rabbits)
- ** RO1HL-15125-02 Molecular pathology of genetic disorders in man
- P18HL-15158-03 0015 Comprehensive sickle cell disease center - Chemical analysis of hemoglobin (human)
- P18HL-15158-03 0017 Comprehensive sickle cell disease center - Minor hemoglobin and cell fractionation (human)
- P18HL-15158-03 0019 Comprehensive sickle cell disease center - Qualitative hemoglobin F analysis
- P18HL-15170-03 0016 Comprehensive sickle cell disease center - Modification of hemoglobin S side chains (human)
- RO1HL-15381-03 The activation of prothrombin (dogs)
- RO1HL-15383-02 Structure and properties of six hemoglobins (rats)
- RO1HL-15384-02 Biochemistry of the angiotensin I converting enzyme (rabbits)
- RO1HL-15460-02 Hemoglobin system (trout)
- ** RO1HL-15535-02 Structure and function of human plasmin
- RO1HL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)
- RO1HL-15747-01 Plasminogen isozymes and streptokinase (rats, rabbits, chickens)
- RO1HL-15892-02 Inhibitors of proteinases (human, cattle, swine, beans)
- RO1HL-15964-02 Elastin structure and disease
- PO1HL-16118-01 0001 Mechanisms in the remodeling of lung structure - Structure and composition of pulmonary elastic tissue and elastin (human, cattle)
- PO1HL-16126-01 0003 Atherosclerosis, coagulation and thrombosis - Clotting factors related to the initiating reactions (cattle, human)
- PO1HL-16137-01 0002 Alveolar biology - Characterization of the surfactant system-Proteins isolation (human, rabbits)
- ** RO1HL-16150-01 Primary structure of prothrombin (cattle, human)
- RO1HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
- RO1HL-16633-01 Chemistry and biology of factor IX activator (human, cow)
- PO1HL-16833-01 0001 Hemoglobin and red cell system in hemoglobinopathies - Motility, association and ligand binding in hemoglobin-Hydrogen exchange
- RO1HL-17690-01 Chemistry of human blood coagulation (human, cattle)
- RO1HL-17718-01 Subunits formed during human prothrombin activation
- RO1NS-02606-15 Neurosecretion and endocrine physiology (crustaceans)
- RO1NS-04270-12 Molecular neurobiology-Proteins of the nervous system (rodents, snakes)
- RO1NS-05270-11 Fractionation of brain proteins (cattle, rabbits, octopus)
- RO1NS-06985-07 Encephalogenic nature of altered brain preparation (guinea pigs, rats)
- RO1NS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
- RO1NS-07749-07 Sarcoplasmic reticulum and myosin (mice, chicks)
- RO1NS-08059-07 Cyclic phosphodiesterase of central nervous system (human, ferret)
- ** RO1NS-08278-06 Structure, metabolism and function of myelin proteins (animals)
- ** RO1NS-10123-04 Brain specific proteins in nerve function (cattle, swine, rabbits)
- RO1NS-10622-02 Neuronal and glial glutamate decarboxylases (mice, calves)
- RO1NS-11170-02 Mechanism of action of peptide neurotransmitter model (Hydra)
- RO1NS-11171-02 Mechanism of action of peptide neurotransmitter model (Hydra)
- M PO1NS-11418-01 Studies in demyelinating diseases
- PO1NS-11418-01 0001 Studies in demyelinating diseases - Structure and metabolism of myelin proteins (human, animals)
- ** PO1NS-11418-01 0003 Studies in demyelinating diseases - Sequence of multiple sclerosis myelin basic protein (human)
- RO1NS-11867-01 Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits)
- RO1NS-11905-01 Brain DPN-specific isocitric dehydrogenase (swine)
- PO7RR-00356-08 Physical sciences instrumentation facility
- PROTEINS RECONSTITUTION**
SEE ALSO ENZYME RECONSTITUTION
- RO1AM-12654-06 Myofibrillar proteins and muscle membranes (rabbits)
- RO1GM-20195-17 Interactions of nucleotide and proteins
- RO1HL-11511-06 Conformation of ferritin and apoferritin in solution (horse, rat, human)
- RO1HL-16891-01 The folding of hemoglobin
- PROTEINS STRUCTURE**
SEE PROTEINS-PEPTIDES STRUCTURE
- PROTEINURIA**
SEE ALSO HEMOPROTEINS, HEMOGLOBINURIA
SEE ALSO HEMOPROTEINS, MYOGLOBINURIA
- PO1AI-07007-09 0005 Immunopathologic studies - Immunopathologic activation of neutrophils and platelets (rabbits, human)
- RO1AI-10334-04 Nephritis immunopathology and renal transplants (human, rodents, sheep, monkeys)
- RO1AI-10704-14 Childhood renal disease (human, swine, rodents)
- ** RO1AI-11335-03 Urinary protein components diagnostic and theoretical studies (human, dogs)
- PO2AM-15630-12 0002 Metabolic unit for the Department of Medicine - Immunological profile of glomerulopathies and their therapy (human)
- RO1AM-06074-16 Renal pathology studied with electron microscopy (human, rats, rabbits)
- RO1AM-07369-12 Transport studies in experimental renal disease (human, rats)
- RO1AM-08432-09 Mechanism of induced renal disease (mammals)
- RO1AM-10919-08 Micropuncture study of renal protein transport (rats)
- ** PO1AM-13084-10 0006 Clinical heterotransplantation of tissues and organs - Study of nephrology (human)
- RO1AM-13132-05 Ultrastructural basis of glomerular permeability (rats, mice)
- RO1AM-13495-05 Glomerular pathology after partial nephrectomy (rats)
- RO1AM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
- RO1AM-14241-04 Renal handling of proteins-Renin release (rats)
- RO1AM-14490-04 Cyclophosphamide in nephrotic syndrome of childhood
- RO1AM-14622-05 Urinary screening assay to supplement renal biopsy (human)
- RO1AM-15541-03 Glomerular permeability in renal disease (human, rabbits)
- RO1AM-15663-03 Basement membrane-Structure, function, pathology (mice)
- ** RO1AM-16302-02 Protein reabsorption and excretion (rats)
- PO1AM-16392-02 0003 Immunologic mechanisms in renal disease in childhood - Electron microscopy of glomerular permeability (rats, rabbits)
- RO1AM-17196-02 Clinicopathologic and other studies on renal disease (human, rats)
- ** RO1AM-17330-02 Transport of albumin and its fragments by kidney (human, rats, rabbits, cattle)
- RO1AM-17722-01 Immunologic mechanisms of glomerular injury (guinea pigs)
- PO2CA-05826-13 0052 Clinical cancer research center - Renal tubular disorders associated with cancer (human)
- RO1CA-10056-09 Proteins in multiple myeloma and related blood diseases (human)
- RO1ES-00836-02 Effects on the immune system of cadmium toxicity (mice, rabbits)
- P11GM-15559-07 0037 Clinical pharmacology - Clinical trial of penicillamine for rheumatoid vasculitis
- ** RO1GM-16256-07 Separation of blood serum proteins by ultrafiltration (human)
- RO1HL-04300-16 Fine structure of diseased glomeruli (human)
- RO1HL-08251-11 0003 Pathophysiology of vascular injury - Glomerular and vascular permeability (mice, rats)
- ** MO1RR-00035-14 0091 General clinical research centers - Nephrosis-Mechanism of proteinuria (human)
- ** MO1RR-00039-14 0066 General clinical research center - Dietary protein intake and proteinuria in nephrotics
- ** MO1RR-00039-14 0083 General clinical research center - Protein intake and proteinuria of nephrotic syndrome
- ** MO1RR-00075-11 0045 General clinical research center for children - Mechanism of steroid induced proteinuria renal disease
- MO1RR-00134-10 0067 General clinical research center - Spectrum of renal involvement in drug abuse (human)
- ** MO1RR-00229-09 0038 General clinical research center - Role of posture in proteinuria, sodium retention in nephrotic syndrome (human)
- ** MO1RR-00349-08 0040 General clinical research center - Diurnal variation in urinary protein excretion (human)
- ** MO1RR-00349-08 0043 General clinical research center - Daily and diurnal variation in urinary protein excretion (human)
- ** MO1RR-00750-02 0020 General clinical research center - Renal function in family with proteinuria
- ** MO1RR-00865-01 0020 General clinical research center - Thiol therapy in paraproteinemia and Bence Jones proteinuria (human)
- PROTEOGLYCAN**
SEE ALSO GLYCOPROTEINS
SEE ALSO HEMOPROTEINS, HAPTOGLOBINS
SEE ALSO METALLOPROTEINS, TRANSFERRIN
SEE ALSO PEPTIDOGLYCANS
SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCAN, SULFOMUCOPOLYSACCHARIDES
- ** RO1AI-09551-05 Proteoglycans-Structure and biological activity (chick embryo)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-00028-22 Characterization of cartilage ground substances (human, cattle)
 ** R01AM-00068-23 Mucoproteins, intrinsic factor, B12 vitamins (human, animals)
 ** R01AM-00149-22 0003 Mucopolysaccharides in skeletal growth disorders - Proteoglycans-collagen interactions
 ** R01AM-00149-22 0005 Mucopolysaccharides in skeletal growth disorders - Extraction and purification of proteoglycans of iliac crest cartilage
 R01AM-00149-22 0007 Mucopolysaccharides in skeletal growth disorders - Proteoglycans containing tightly bound collagen peptides
 R01AM-05996-13 0015 Biochemistry of connective tissues - Galactosyltransferases in synthesis of chondroitin sulfate (chick embryo)
 ** R01AM-05996-13 0023 Biochemistry of connective tissues - Cell localization of chondromucoprotein synthesis
 ** R01AM-05996-13 0024 Biochemistry of connective tissues - Structure and function of acid mucopolysaccharides
 ** R01AM-07343-11 Characterization of cartilage proteopolysaccharides (human, cattle, rabbits)
 R01AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
 R01AM-09132-10 Biochemistry of bone and connective tissue (cattle, chick embryo)
 R01AM-10358-09 Effects of penicillamine on collagen metabolism (human, rats, cattle)
 R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
 R01AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
 ** R01AM-13921-14 0005 Structure and organization of collagen fibers - Interaction of collagen with acidic proteins and proteoglycans (cattle)
 R01AM-15663-03 Basement membrane-Structure, function, pathology (mice)
 R01AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
 R01AM-16731-02 Hormonal action in amphibian skin (newts)
 R01AM-16936-01 Somatomedin effects on chondrocyte tissue (rats)
 R01AM-16940-02 Human cartilage proteases in arthritis
 ** R01AM-17215-01 Proteoglycans in aging and osteoarthritic cartilage (human, dogs)
 R01AM-17309-01 Biological effects of lysosomal enzyme release (human)
 ** P02CA-15145-01 0003 Cancer center support grant - Extracellular proteoglycans of glioblastoma multiforme in human brain
 ** R01CA-15290-01 Cancer spreading factors as a target for zinc therapy
 R01CA-15483-07 Biochemistry of mucopolysaccharides
 ** R01CA-15626-01 Proteoglycans of normal and malignant cartilage (human, animals)
 ** P01CA-15655-01 0014 Cancer center support grant - Interaction of aggregation factor with cell surface (sponge)
 P01CA-15655-01 0031 Cancer center support grant - Marine environment program
 R01DE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
 P01GM-18252-04 0007 Automation of ultramicroanalyses of macromolecules - Biochemistry (human)
 P01GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
 ** P01HD-04583-06 0005 Mental retardation research center - Effect of chondromucoprotein on chondromucoprotein biosynthesis (chick embryo)
 R01HD-05505-03 Control of extracellular matrix synthesis (chick embryo)
 R01HD-06573-03 Oviduct factors responsible for blastocyst development (rabbits)
 R01HD-07193-01 Molluscan polar lobes-Role in embryonic development (marine mud snail)
 ** R01HL-02942-18 Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle)
 R01HL-04300-16 Fine structure of diseased glomeruli (human)
 P01HL-05435-14 0003 Cardiovascular research and training program - Connective tissue (human)
 ** P01HL-11310-08 0041 Mechanisms of cardiovascular disease - Structure and metabolism of proteoglycans (human, rabbits)
 P17HL-15103-03 0011 Specialized center of research-arteriosclerosis - Macromolecular composition and metabolism of arterial wall (monkeys)
- PROTEOGLYCANS, CHITIN**
 R01AI-05540-10 Biochemistry of morphogenesis in mucus
 R01AI-10360-03 Control of aminosugar metabolism in a pathogen vector (flies)
 R01AI-10527-04 Metabolism and hormones in arthropods
 R01ES-00650-02 Biochemistry of insect cuticle
 R01GM-14452-08 Chemistry and kinetics of lysozyme action (*Drosophila*, chickens, human)
 R01GM-21409-01 Light growth response channel of phycomyces
- PROTEOGLYCANS, MUCIN**
 R01AM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)
- ** P01AM-03564-15 0018 Mesenchymal tissues and their diseases - Cervical mucin of the monkey
 P01AM-03564-15 0022 Mesenchymal tissues and their diseases - Methyl 2-acetamido-3,6-anhydro-alpha-D-glucoside synthesis
 P01AM-03564-15 0023 Mesenchymal tissues and their diseases - Intestinal mucin of germline rats
 ** P01AM-03564-15 0024 Mesenchymal tissues and their diseases - Chemical structure of cystic fibrosis mucin (human)
 ** P01AM-08305-11 0001 Cystic fibrosis and pulmonary disease - Biochemistry of mucin secretions (human, rats)
 ** P01AM-08305-11 0002 Cystic fibrosis and pulmonary disease - Tissue and organ culture studies (human, rats)
 R01AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
 ** R01AM-13490-04 Chemistry of submaxillary mucin in cystic fibrosis (human)
 R01AM-14991-03 The excretion of uric acid (birds)
 P01CA-14089-01 0013 Pilot multidisciplinary cancer research program - Extracellular substances in Wilms' and other tumors (human)
 R26CA-15799-01 A model for colonic cancer-associated antigens (human, hamsters)
 P01DE-02847-06 0016 Microbial ecology and its relation to dental disease - Ability of materials to modify bacterial adherence to oral surfaces (rats, human)
 P01DE-02848-06 0018 Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
 R01EY-01067-02 Surface chemistry of the cornea (human, rabbits, cattle)
 ** R01HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
 ** R01HL-14844-02 Mucin secretion by respiratory epithelial explants (human)
- PROTEOGLYCANS, OROSOMUCOID**
 R01AM-16363-01 Liver plasma binding of serum glycoproteins
 ** R01GM-10374-12 Chemistry of human glycoproteins and proteins
 ** M01RR-00039-14 0063 General clinical research center - Abnormal orosomucoid in plasma
- PROTEOGLYCANS, OVOMUCOID**
 R01AM-13686-06 Inhibitors of proteolytic enzymes (plants, human, animals)
 R01GM-14013-06 Structure of carbohydrate prosthetic groups (rats)
 R01HD-00122-10 Comparative biochemistry of proteins (human, animals)
- PROTEOLIPIDS**
 SEE ALSO LIPOPROTEINS
 R01AM-10209-08 Energy metabolism in inborn errors of metabolism (chickens, human)
 ** P01CA-08748-09 5402 Research program of Sloan-Kettering Institute - Protein-lipid complexes of proteolipid type in malignancy (human, rats, mice)
 ** R01CA-15169-01 Neoproteolipids associated with malignant tumors (human, rodents)
 R01EY-00225-13 Studies on lens metabolism (rats, rabbits)
 R01EY-00393-07 Glycolipid and glycoprotein metabolism in eye tissue (animals)
 P01GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
 R01GM-19972-05 Biochemistry of membrane and catalytic proteins (bacteria, plants)
 R01HD-05285-03 Experimental phenylketonuria (rats)
 R01HL-11552-07 Lipids and proteins in coagulation and myelination (human, rats, cattle)
 R01NS-03192-15 Brain glycolipids-Metabolism and pathology (human, rats)
 R01NS-03226-14 Protein and peptide breakdown in the brain (rats, mice, cattle, human)
 P01NS-03356-14 0009 Neurological clinical research center - Developmental study of CNS myelin (mice)
 R01NS-06953-08 Ultrastructure and functional in the nervous tissue (electric fish, cattle)
 ** R01NS-07136-08 Relationship between brain proteins and lipids (rats, cattle)
 R01NS-08278-06 Structure, metabolism and function of myelin proteins (animals)
 R01NS-09944-03 Biochemistry of the developing brain (mice)
 P01NS-10299-03 0015 Biophysical and biochemical studies of cellular membranes - Position sensitive proportional counter system for x-ray diffraction
 R01NS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)
- PROTEOLYSIS**
 R01AI-08445-05 Chemical studies on proteins of immunological interest
 ** R01AI-10333-04 Genetics and biochemistry of intracellular proteolysis
 R01AM-01825-16 Mechanism of collagen formation (human, mammals, chickens, marine organisms)
- R01AM-01921-17 Transport processes in mammalian cells (human, rodents)
 ** R01AM-03718-15 Enzymatic paths and mechanisms in amino acid metabolism (animals, bacteria)
 R01AM-08373-10 Enzymic responses to altered endocrine states (rats, bacteria)
 R01AM-10746-08 Protease inhibitors, physiology and pathology (dogs, rats, mice, guinea pigs)
 ** R01AM-11157-08 Molecular basis of aspartokinase feedback control (E coli)
 R01AM-14762-04 Role of protein structure in amino acid availability (plants, rats)
 R01AM-15191-04 Physiology, pathology and biochemistry of diabetes (human, rats)
 R01AM-15565-03 Biochemistry of lipids in normal and ulcerated stomachs (human, animals)
 R01AM-15791-02 Preservation and regeneration of isolated kidneys (dogs)
 ** R01AM-15811-03 Thyroglobulin proteolysis and thyroid hormone release (human, rats)
 R01AM-15857-03 Acetylated proteins in muscular dystrophy (mice, rabbits, chickens)
 ** R01AM-17194-02 Proteolytic mechanisms in human colon contents
 R01AM-17330-02 Transport of albumin and its fragments by kidney (human, rats, rabbits, cattle)
 ** R01AM-17370-01 Mechanisms of proteolysis in human skin
 ** R01AM-17554-01 0003 The IgA of globulins of serum and external secretions - Stabilization of dimeric gamma A by J chain and S.C.
 ** R01AM-17554-01 0006 The IgA of globulins of serum and external secretions - Proteolytic fragments of gamma M
 R01CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
 P02CA-05826-13 0057 Clinical cancer research center - Enzyme treated bovine growth hormone
 P01CA-12800-03 0012 Immune functions and cancer - Tumor cell destruction by lymphoid cells (human, mice, rats)
 P01CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
 P01CA-13526-03 0002 Correlated study of metabolic regulation in neoplasia - Role of cyclic AMP in regulation of metabolism in neoplastic tissues
 R01DE-03658-09 Genetic protein polymorphisms of serum, WBC's, and saliva (human)
 P01EY-00396-07 0013 Basic ophthalmic research program - Intermediate metabolism of the cornea
 R01EY-00424-06 Pneumococcal enzymes and corneal ulcers (rabbits)
 ** R01EY-00429-06 Proteolysis in normal and senile cataract lens (human)
 R01EY-01275-01 Rhodopsin structure and function (cattle)
 R01GM-12829-10 0007 Wound healing - Effects of fluorinated corticoids on collagen synthesis, lysis in wounds (human)
 ** R01GM-12829-10 0008 Wound healing - Wound healing research in collagen synthesis and lysis (human)
 ** R01GM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
 R01GM-14945-08 Divalent cations in oncolase and other biological systems (human)
 R01HD-02370-08 Erythrocyte membrane sulfhydryl and Rb activity (human)
 P01HD-03015-08 0021 Program for developmental biology - Control mechanisms in normal and virus infected mammalian cells (human)
 ** P01HD-05065-04 0001 Cellular aging and degeneration - Cellular mechanisms of protein breakdown and turnover (rats)
 P01HD-05796-03 0004 Aging in connective tissue, brain and auditory system - Connective tissue proteins (dogs, rats, chickens)
 P01HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
 R01HD-06683-01 Role of chromatin embryonic determination (sea urchin)
 R01HL-01662-21 Equilibria in the fibrinogen-fibrin conversion (human, cattle)
 R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
 ** P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
 P17HL-14230-04 0039 Lipids, atherosclerosis and thrombosis - Platelet function and inhibition of platelet function (human, rats)
 P01HL-15832-02 0003 Chemical predispositions to lung injury - Change of connective tissue structure of lung with proteolytic enzymes (rat, dog)
 P01HL-16126-01 0003 Atherosclerosis, coagulation and thrombosis - Clotting factors related to the initiating reactions (cattle, human)
 R01HL-16655-01 Clotting and kallikrein system interaction (humans)
 ** R01HL-16713-01 Emphysema, bronchitis, alveolar enzymes and inhibitors (human)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PRO1MH-25515-01 0012** Collaborative biological research on schizophrenia - Microchemistry of proteolysis in human cerebral cortex
- RO1NS-02785-14** Biosynthesis of lipids in experimental demyelination (rats)
- ** RO1NS-03226-14** Protein and peptide breakdown in the brain (rats, mice, cattle, human)
- ** MO1RR-00031-14 0054** General clinical research center - Hormonal control of fuel metabolism (human)
- MO1RR-00240-10 0031** General clinical research center - Children - Hypoglycemia
- PROTEOLYTIC AGENTS (NONENZYMATIC)**
- ** RO1AM-14047-06** Biological control of scar tissue (rats, dogs)
- RO1HL-09070-10** Subcellular platelet particles (human)
- RO1HL-16264-01** Role of inflammatory hormones in chronic lung disease
- RO1HL-16588-01** Collagen synthesis in atherosclerosis (dogs, rats, rabbits)
- PROTEOLYTIC ENZYMES**
SEE PROTEASES AND PEPTIDASES
- PROTEUS**
SEE BACTERIA, ENTEROBACTERIACEAE, PROTEUS*
- PROTHRACIC GLAND HORMONE**
SEE ENDOCRINOLOGY INVERTEBRATE, ECDYSONE
- PROTHROMBIN**
SEE BLOOD COAGULATION, PROTHROMBIN
- PROTHROMBIN TIME**
SEE BLOOD COAGULATION TESTS, PROTHROMBIN TIME*
- PROTON ACCELERATORS**
SEE RADIATION, PARTICLE ACCELERATORS
- PROTON ACCEPTORS**
SEE CHEMICAL BONDS, HYDROGEN ACCEPTORS
- PROTON BEAM**
SEE RADIATION, HIGH ENERGY BEAMS, PROTON BEAM
- PROTON TRANSPORT**
SEE CHEMICAL TRANSFER, HYDROGEN TRANSPORT
- PROTONATION**
SEE CHEMICAL REACTIONS, PROTONATION-DEPROTONATION
- PROTOPLASM**
SEE CELL COMPONENTS, PROTOPLASM
- PROTOPLASMIC MOVEMENT**
SEE CELL COMPONENTS, PROTOPLASMIC MOVEMENT
- PROTOPLASTIC MEMBRANE**
SEE CELL COMPONENTS, PROTOPLASTIC MEMBRANE
- PROTOPORPHYRIA**
SEE METABOLIC DISORDERS INBORN, PORPHYRIA, PROTOPORPHYRIA
- PROTOZOA GENERAL**
- ** RO1AI-05802-11** Lipid studies of trypanosomes (rats)
- MO1RR-00063-12 0035** General clinical research center - Tropical sprue in Puerto Rican children
- SO6RR-08064-03** Dillard University biomedical research program
- MO1RR-12501-02** Maintain collections of microorganisms and cell cultures
- PROTOZOA, CILIATA GENERAL**
- ** RO1GM-15410-07** Normal and abnormal cell growth and heredity (ciliates)
- PROTOZOA, CILIATA, PARAMECIUM**
- ** RO1GM-15410-07** Normal and abnormal cell growth and heredity (ciliates)
- RO1GM-19154-03** Control of surface protein synthesis (microorganisms)
- PROTOZOA, CILIATA, STENTOR**
- ** PO1CA-06927-12 0007** Biological and biochemical program in cancer research - Timing the cell cycle in Stentor
- PROTOZOA, CILIATA, TETRAHYMENA**
- ** RO1GM-21067-01** Genetic dissection of phagocytosis in tetrahymena
- PROTOZOA, CILIATA, TETRAHYMENA PYRIFORMIS**
- ** RO1GM-07779-12** Genetic studies with Tetrahymena
- ** RO1HD-01269-12** Control of metabolism in tetrahymena
- RO1HL-12533-06** Hypocholesteremic compounds and metabolism (Tetrahymena, Saccharomyces)
- PROTOZOA, MASTIGOPHORA, BLASTOCRITHIDIA**
- ** RO1AI-10882-03** Leptomonas and Blastocrithidia—Models for chemotherapy
- PROTOZOA, MASTIGOPHORA, CRITHIDIA**
- RO1AI-09102-06** Function of kinetoplast in hemoflagellates
- ** RO1AM-01005-22** Metabolic studies on animal microorganisms (protozoans)
- PROTOZOA, MASTIGOPHORA, DINOFLLAGELLATES**
- ** RO1FD-00605-01** Poisonous dinoflagellates and shellfish poisoning
- PROTOZOA, MASTIGOPHORA, EUGLENA**
- RO1GM-16314-06** Hydrogen activation and transfer in biological systems (plants, microorganisms)
- PO1HD-03015-08 0017** Program for developmental biology - Tryptophan metabolism and control in higher plants (Euglena, tobacco)
- PROTOZOA, MASTIGOPHORA, LEISHMANIA**
SEE ALSO PARASITIC DISEASES, PROTOZOAL INFECTIONS, LEISHMANIASIS
- ** RO1AI-00742-20** Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tse tse fly)
- RO1AI-06827-09** Metabolism and transformation in hemoflagellates (mice, hamsters)
- RO1AI-09102-06** Function of kinetoplast in hemoflagellates
- PROTOZOA, MASTIGOPHORA, LEISHMANIA DONOVANI**
- RO1AI-00092-24** Visceral leishmaniasis in experimental animals (rodents)
- RO1AI-00742-20** Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tse tse fly)
- ** RO1AI-08989-05** Membrane physiology in intracellular parasitism (protozoa, rabbits, hamster)
- PROTOZOA, MASTIGOPHORA, LEPTOMONAS**
- ** RO1AI-10882-03** Leptomonas and Blastocrithidia—Models for chemotherapy
- PROTOZOA, MASTIGOPHORA, TRICHOMONAS**
- ** RO1AI-09742-20** Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tse tse fly)
- PROTOZOA, MASTIGOPHORA, TRICHOMONAS VAGINALIS**
- ** RO1AI-11942-01** Biochemical cytology of Trichomonas vaginalis
- PO1AI-12192-01 0005** Venereal disease research - Nongonococcal urethritis (human)
- PROTOZOA, MASTIGOPHORA, TRYPANOSOMA**
SEE ALSO PARASITIC DISEASES, PROTOZOAL INFECTIONS, TRYPANOSOMIASIS
- ** RO1AI-00742-20** Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tse tse fly)
- RO1AI-05802-11** Lipid studies of trypanosomes (rats)
- RO1AI-06827-09** Metabolism and transformation in hemoflagellates (mice, hamsters)
- ** RO1AI-09102-06** Function of kinetoplast in hemoflagellates
- ** RO1AI-10245-03** Host interactions with membrane transport in trypanosomes (mice, guinea pigs)
- ** RO1AI-11622-01** The function of mitochondria in trypanosomes
- PROTOZOA, MASTIGOPHORA, TRYPANOSOMA LEWISI**
- RO1AI-10245-03** Host interactions with membrane transport in trypanosomes (mice, guinea pigs)
- ** RO1AI-11369-02** Metabolic and immunophysiological studies on Trypanosoma lewisi (rats)
- PROTOZOA, SARCODINA GENERAL**
- ** RO1AI-12058-01** Cytopathology induced by Naegleria infectious agent (mice)
- PROTOZOA, SARCODINA, ACANTHAMEBA**
- ** RO1AI-09251-05** Amebic (Acanthamoeba) meningoencephalitis (human, mice)
- ** RO1AI-09608-05** Differentiation of neuropathic Acanthamoeba (mice)
- ** RO1AI-10241-04** Encystment in free-living, invasive amoebas
- PROTOZOA, SARCODINA, AMEBA**
- RO1AI-10845-20** Virus structure and growth in cultured cells
- RO1GM-18640-03** Mechanism of pinocytosis (amoeba)
- PROTOZOA, SARCODINA, AMEBA PROTEUS**
- RO1GM-21224-01** Endosymbionts as required cytoplasmic components
- PROTOZOA, SARCODINA, ENTAMEBA HISTOLYTICA**
SEE ALSO PARASITIC DISEASES, PROTOZOAL INFECTIONS, AMEBIASIS
- ** RO1AI-02347-15** Ultrastructure of parasites (mice, guinea pigs)
- ** RO1AI-02951-13** Biochemistry of enteric ameba and related organisms
- RO1AI-04919-12** Occult helminthic infections (human, carnivores)
- ** RO1AI-08004-07** The nature of Entamoeba histolytica
- RO1AI-10788-02** Variant step in glycolysis pathway by parasitic ameba
- ** RO1AI-11536-02** Influence of antibodies of amebic disease (guinea pigs)
- PROTOZOA, SARCODINA, NAEGLERIA**
- RO1AI-12058-01** Cytopathology induced by Naegleria infectious agent (mice)
- PROTOZOA, SPOROZOA GENERAL**
SEE ALSO RESPIRATORY DISORDERS, PNEUMONIA PNEUMOCYSTIS
- RO1AI-11277-02** Cultivation of Pneumocystis carinii from cancer patients (rats, rabbits)
- PO1AM-16716-01 0028** Pathophysiological bases of muscle diseases - Sarcocystis infection and gel diffusion antibody test (human)
- PROTOZOA, SPOROZOA, EIMERIA**
- ** RO1AI-07488-08** Development of mammalian coccidia in cultured cells (cattle, sheep)
- ** RO1AI-09323-05** Immunogenesis in animal parasites in gnotobiotics (chickens)
- PROTOZOA, SPOROZOA, ENCEPHALITIZOON**
- ** RO1RR-00938-01** Diagnosis and control of mammalian encephalitozoonosis (rabbits)
- PROTOZOA, SPOROZOA, MICROSPORIDIA**
- ** R22AI-12409-01** Biocontrol of schistosomes by use of microsporidians
- PROTOZOA, SPOROZOA, NOSEMA**
- ** RO1AI-11123-02** Nosema algae as a biological control of mosquitoes
- PROTOZOA, SPOROZOA, PLASMODIUM**
SEE ALSO PARASITIC DISEASES, PROTOZOAL INFECTIONS, MALARIA
- RO1AI-05182-12** Avian malaria transmission—Lethality of Plasmodium octamerium
- ** RO1AI-08989-05** Membrane physiology in intracellular parasitism (protozoa, rabbits, hamster)
- ** RO1AI-09560-05** Sporozoite of Plasmodium (mosquitoes, rodents)
- ** RO1AI-10640-03** Physiology of intracellular parasitism (hamsters, monkeys)
- PROTOZOA, SPOROZOA, PLASMODIUM BERGHEI**
- ** RO1AI-08952-06** Vaccination with irradiated sporozoites of Plasmodia (mice)
- RO1AI-11386-01** Immunological aspects of rodent malaria (mice, rats)
- ** RO1AI-11486-01** Growth of mammalian plasmodia in liver cell cultures (mice, rats, mosquitoes)
- ** RO1AI-11673-01** Effect of drugs on Plasmodium berghei (mice)
- PROTOZOA, SPOROZOA, PLASMODIUM FALCIPARUM**
- ** RO1AI-09558-05** In vitro cultivation of human and simian malarial parasite
- ** RO1AI-10520-03** Deep vascular schizogony in malaria (monkeys)
- PROTOZOA, SPOROZOA, PLASMODIUM GALLINACEUM**
- RO1AI-00924-19** Biology of Haemosporididae and Trypanosomidae (birds, insects, plants)
- PROTOZOA, SPOROZOA, PLASMODIUM KNOWLESII**
- ** RO1AI-09558-05** In vitro cultivation of human and simian malarial parasite
- PROTOZOA, SPOROZOA, PLASMODIUM LOPHURAE**
- ** RO1AI-11254-01** Folate metabolism in malarial parasites (rats, ducks)
- PROTOZOA, SPOROZOA, PLASMODIUM VINCKEII**
- ** RO1AI-11386-01** Immunological aspects of rodent malaria (mice, rats)
- PROTOZOA, SPOROZOA, TOXOPLASMA**
SEE ALSO PARASITIC DISEASES, PROTOZOAL INFECTIONS, TOXOPLASMOSIS
- NO1CB-43873-00** Role of macrophages in the immune response
- PROTOZOA, SPOROZOA, TOXOPLASMA GONDII**
- RO1AI-12146-01** Effects of immunity on intracellular parasitism (mice)
- RO1CA-14045-02** Role of macrophage in resistance to cancer (human, mice, bacteria)
- PROTOZOA, SPOROZOA, TOXOPLASMA-LIKE ORGANISMS**
- PO1HL-13108-05 0005** Clinical heart transplantation - Infection (human)
- PROTOZOAL INFECTIONS**
SEE PARASITIC DISEASES, PROTOZOAL INFECTIONS (GENERAL)
- PROTOZOAL TOXINS**
SEE TOXICOLOGY, PROTOZOAL TOXINS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PROTOZOAN CYSTS

- R01AI-09608-05 Differentiation of neuropathic Acanthamoeba (mice)
 ** R01AI-10241-04 Encystment in free-living, invasive amoebas
 P02CA-08480-09 0024 Childhood cancer research center - Cardiovascular and pulmonary problems with sepsis and pneumonia (children)

PROTRIPTYLINE

SEE CYCLOHEPTANES, PROTRIPTYLINE

PROVERA

SEE PROGESTERONE ANALOGS, MEDROXYPROGESTERONE

PROVIRUS

SEE VIRUS DEVELOPMENT, PROVIRUS

PROWER FACTOR

SEE BLOOD COAGULATION, FACTOR X

PRURITIS

SEE SKIN DISORDERS, PRURITIS

PSEUDOARTHROSIS

SEE INJURIES, FRACTURES UNUNITED, PSEUDOARTHROSIS

PSEUDOCHELINESTERASE

SEE CHOLINE ESTERASES

PSEUDOCHELESTANE-3BETA-OL

SEE CHOLESTANE SERIES 5-BETA, COPROSTEROL

PSEUDOCHELINESTERASE DEFICIENCY

SEE METABOLIC DISORDERS INBORN, PSEUDOCHELINESTERASE DEFICIENCY

PSEUDOCOXALGIA

SEE SKELETAL DISORDERS, OSTEOCHONDROSIS (DEFORMANS)

PSEUDOGLOBULINS

SEE GLOBULINS, PSEUDOGLOBULINS

PSEUDOGOUT

SEE METABOLIC DISORDERS INBORN, PSEUDOGOUT

PSEUDOHEMOPHILIA, VASCULAR

SEE BLOOD COAGULATION DISORDERS, VON WILLEBRAND'S DISEASE

PSEUDOHERMAPHRODITISM

SEE REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, HERMAPHRODITISM, PSEUDOHERMAPHRODITISM

PSEUDO-HURLER'S SYNDROME

SEE METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE GM1

PSEUDOHYPOPARATHYROIDISM

SEE METABOLIC DISORDERS INBORN, PSEUDOHYPOPARATHYROIDISM

PSEUDOINTIMA

SEE CARDIOVASCULAR PROSTHESIS, PSEUDOINTIMA

PSEUDOMONAS

SEE BACTERIA, PSEUDOMONADALES, PSEUDOMONAS*

PSEUDOMONAS AERUGINOSA

SEE BACTERIA, PSEUDOMONADALES, PSEUDOMONAS AERUGINOSA*

PSEUDOMONAS POLYSACCHARIDE COMPLEX

SEE POLYSACCHARIDES, PIROMEN

PSEUDOPLAGUE VIRUS AVIAN

SEE VIRUSES, MYXOVIRUSES, NEWCASTLE DISEASE VIRUS

PSEUDOPREGNANCY

SEE PREGNANCY, PSEUDOPREGNANCY

PSEUDORABIES VIRUS

SEE VIRUSES, HERPESVIRUSES, PSEUDORABIES VIRUS

PSEUDOSCLEROSIS SPASTIC

SEE NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM

PSEUDOUREA (NSC-56054)

SEE THIOUREA, PSEUDOUREA (NSC-56054)

PSEUDOURIDINE

SEE PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, PSEUDOURIDINE

PSEUDOVIRIONS

SEE VIRUS-LIKE PARTICLES

PSEUDOXANTHOMA ELASTICUM

SEE METABOLIC DISORDERS INBORN, PSEUDOXANTHOMA ELASTICUM

PSILOCYBIN

SEE ALKALOIDS, PSILOCYBIN

PSITTACOSIS

SEE BEDSOMIA DISEASES, ORNITHOSIS

PSITTACOSIS-LYMPHOGRANULOMA-TRACHOMA GROUP AGENT

SEE BEDSOMIA

PSORALENS

SEE BENZO-ALPHA-PYRONES, FUROCOUMARINS, PSORALENS

PSORIASIS

SEE METABOLIC DISORDERS INBORN, PSORIASIS

PSYCHASTHENIA

SEE PSYCHOLOGY ABNORMAL, NEUROSIS, OBSSESSIVE-COMPULSIVE

PSYCHIATRIC AIDS

SEE MENTAL HEALTH PERSONNEL ADJUNCT

PSYCHIATRIC INSURANCE

SEE HEALTH INSURANCE, PSYCHIATRIC

PSYCHIATRIC PATIENT CARE

SEE MENTAL HEALTH SERVICES, PSYCHIATRIC PATIENT CARE

PSYCHIATRIC SOMATIC THERAPY

R01AA-00259-04 Behavioral treatment of alcoholism - Research and development (human)

PSYCHIATRIC SOMATIC THERAPY, SHOCK THERAPY, ELECTRICAL

SEE ALSO SENSORY DEPRESSION, ELECTRONARCOSIS

R01AA-00259-04 Behavioral treatment of alcoholism - Research and development (human)

** R01DA-00995-01 Treatment of narcotic addiction by inhibition of craving (human)

** P01MH-13002-06 0009 Clinical and laboratory studies of affective disorder - Electrotherapy in patients with heart disease

** P01MH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)

P01MH-13002-06 0041 Clinical and laboratory studies of affective disorder - Modifications of developing CNS with amino acids and psychotropic drugs (monkeys)

R01MH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)

** R01MH-15413-06 0004 Psychopharmacology of biogenic amines in depression - Electroconvulsive shock (rats)

** R01MH-15413-06 0010 Psychopharmacology of biogenic amines in depression - Clinical studies - Electroconvulsive shock (human)

R01MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)

** P01MH-16674-06 0015 A program of psychiatry-oriented biological research - Effects of electroconvulsive seizures on biogenic amines in rat brain

R01MH-18391-04 Sleep psychophysiology and psychopathology (human)

R01MH-23879-02 Drugs and memory (rats, mice)

** R01MH-24105-01 Parameters of low-energy electroconvulsive therapy (human)

R01MH-24600-01 Memory as affected by aging, disease and ECT (human)

R01MH-25133-02 0003 Steroid hormones in depressive illness - 24 Hour cortisol secretory patterns in affective disorders (human)

R01MH-25486-01 Biochemical processes in the formation of memory (animals)

R01MS-07872-08 Biochemical studies of synapse membrane (rats, chickens)

M01RR-00053-13 0026 Clinical research center - Cortisol secretion in depression (human)

PSYCHIATRIC SOMATIC THERAPY, SHOCK THERAPY, INSULIN

R01MS-10384-03 Drug actions on CNS metabolism (cats)

PSYCHIATRIC SURGERY

SEE BRAIN LESIONS SURGICAL, PSYCHOSURGERY

PSYCHIATRIC WARDS

SEE MENTAL HEALTH FACILITIES, PSYCHIATRIC WARDS

PSYCHIATRISTS

SEE MENTAL HEALTH PERSONNEL, PSYCHIATRISTS

PSYCHIATRY

SEE ALSO MENTAL HEALTH

SEE ALSO PSYCHOANALYSIS

SEE ALSO PSYCHOLOGY ABNORMAL, PSYCHOPHYSIOLOGIC DISORDERS

R07AI-10051-14 International center for medical research and training (human, animals)

R01DA-00974-01 Psychosocial study of Qat use in North Yemen

** P01HD-02274-08 0025 Mental retardation and child development - Psychiatry research program (human, primates)

** P01HD-02274-08 0100 Mental retardation and child development - Behavioral research unit (human)

** P01HD-03110-07 0034 Child development and mental retardation - Child psychiatry research

** G08LM-02021-01 Medical library resource project support (hospital)

- R10MH-04669-14 0002 Controlled drug evaluation - Response threshold to L-dopa in psychiatric patients
 ** R01MH-12875-07 The legacy of Philippe Pinel
 ** R01MH-14675-07 Psychopharmacology computer research
 ** R01MH-21890-02 Intensive inpatient psychiatric monitoring program

R01MH-23132-02 Neurosciences research program
 R01MH-23417-01 Psychiatric inpatient care-Followup project

R01MH-24592-01 Models of madness in antiquity (Greece)
 ** R01MH-24590-01 Annals of black psychiatry
 R12MH-25625-01 Development of mental health model for minorities

** R01MH-30010-00 Writing of book on psychiatric training
 ** S01RR-05546-12 General research support (psychiatry)

PSYCHIATRY, FORENSIC

R18HS-01533-01 Broadcast computer system for patient history taking

R01MH-21303-02 Assessment of adequacy of treatment (human)

R01MH-22808-02 Legislative change and rural/urban MH delivery systems

** R03MH-25193-01 Drug dependency and criminal responsibility

** R01MH-26092-01 Dangerousness and psychiatric commitment study

PSYCHIC ACTIVITY LEVEL, AROUSAL

R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)

P01DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man

P01EY-00299-09 0021 Neurophysiology of the visual apparatus - Coordinates of extraocular muscles in steady state (cat)

P01GM-10402-12 0007 Zoophysiology in Alaska - Metabolism during hibernation hypothermia (squirrels)

P01GM-10402-12 0018 Zoophysiology in Alaska - Brain amines (ground squirrels)

P01HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)

** P01HD-00668-16 0019 Aging and the aged - Arousal pattern in structural interpersonal setting-Age related difference (men)

** P01HD-04335-06 Brain-behavior relationships in mental retardation

P01HD-04335-06 0001 Brain-behavior relationships in mental retardation - EEG and evoked response studies of retarded subjects (human)

** R01HD-04522-05 Biopsychology of reproduction (rats)

R01HD-07035-02 Development of inhibition and facilitation of startle (human)

** R01HD-07717-01 Contraceptive method and female sexual arousal (human)

R01HD-07755-01 Learning and psychophysiological studies in the aged

R01HD-08063-01 Overcoming the adverse effects of prematurity

R01HD-08464-01 The development of aggressive behaviors (mice)

P01HL-08682-11 0006 Regulation of the cardiovascular system - Cardiovascular studies of mammalian hibernators (sciuroomorpha, rats)

R01MH-01293-18 Measurement of drive and conflict (human)

R01MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)

R01MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis

R01MH-03916-15 Perceptual factors in emotional conditioning (human)

R01MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)

** R01MH-04618-12 Psychotherapy of psychiatric outpatients

** P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)

R01MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)

P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care

R01MH-12526-09 Drug effects on learning and memory (rats, mice)

** R01MH-16478-06 Brain mechanisms and behavioral arousal (rats)

** R01MH-17405-05 Determinants of aggressive behavior (human)

R01MH-18565-04 Comparative study of social organization (damselfish)

R01MH-18856-04 Control of the subjective intensity of sensation (human)

R01MH-19211-04 Psychotropic drugs and slow potentials in man

** R01MH-19426-02 Neural responses to relevant and irrelevant stimuli (cats)

** R01MH-19793-03 Central mechanisms controlling behavioral excitability (rats)

R01MH-19849-02 Learned control of EEG theta activity (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Distorted significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
 R01MH-20660-03 Physical distance and social interactions (human)
 R01MH-21336-03 Families of children with psychosomatic problems
 R01MH-23433-02 Role of the amygdala in behavior—Unit studies (cats)
 R03MH-23653-01 Drugs, arousal and brain steady potential responses (rats)
 R03MH-23870-01 Hormonal effects on aggression (mice)
 R03MH-24713-01 Arousal and individual differences in attention (human)
 R01MH-24908-01 Schizophrenia and EEG signal analysis
 R01MH-25585-01 Televised violence and tolerance of aggression
 R03MH-25626-01 Delayed effects of aggressive stimulation (human)
 R01MH-25845-01 Sleep mentation and functional hemispheric asymmetry
 R01NS-03752-13 Computer studies of brain potentials (human)
 R01NS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
 R01NS-09404-04 Central control of sensory interneurons (insects, mollusks)
 R01NS-09694-03 Studies of communication (dolphin)
 R01NS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
 R01NS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)
 R01NS-10367-03 CNS regulation of body temperature in heterotherms (birds)
 P01NS-10727-02 0002 The pathologies of sleep—A clinical program - Experimental studies in animals (cats)
 R01NS-10757-03 Behavioral and neural analysis of learning (Aplysia)
 R01NS-10970-02 Limbic neurons (rats)
 R01NS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)
 R01NS-11138-02 0006 Chemical mechanism in corpus striatum and behavior - Nigro-striatal dopamine modulation of behavior and arousal (rats)
 R01NS-11219-02 Interrelationships to sensorimotor neurons (cats)
 R01OH-00331-05 The sleep-waking cycle and its neuro-endocrine correlates (human)

PSYCHIC ACTIVITY LEVEL, ATTENTION

P01AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
 R01AA-00251-04 Alcohol effects on driving, perception and attention
 R01AA-00311-03 0015 Metabolic and psychological factors in alcoholism - Alcohol-induced transitory loss of long-term memory
 R01AA-00311-03 0021 Metabolic and psychological factors in alcoholism - Vigilance effects—Modification of procedures
 R01AA-00397-01 Brain response in alcoholics during drinking cycles
 R01A-00947-18 Neurophysiology and behavior (cockroaches, moths, shrimp)
 R01DA-00067-04 Marijuana effects on lung and electroencephalogram (human)
 R01DA-00073-04 Opiate effects on brain function and behavior (human)
 R01DA-01057-01 0001 Drugs of abuse—Pharmacokinetics, metabolism and response - Stimulant drugs and minimal brain dysfunction (children)
 R01DA-40165-00 Acute effects of cocaine on complex human performance
 R01DE-02152-09 0015 Dental physiology and biophysics - Cerebral cortex and elaboration of pain (mammals)
 R01EY-00590-11 Suppression mechanism in binocular rivalry (human)
 R01EY-00735-04 Behavioral analysis of visual system evolution (pigeons)
 P01EY-01319-01 0005 Visual science research center support - Mesencephalic influence on lateral geniculate nucleus (primates)
 P01HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)
 P01HD-00668-16 0014 Aging and the aged - Bioelectric correlates of learning in the brain (cats, human)
 P01HD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
 P01HD-01136-10 0004 Center for research in human learning - Cognition
 P01HD-01136-10 0011 Center for research in human learning - Reading (children)
 P01HD-02528-08 0036 Research center in mental retardation - Attention and cognitive styles
 P01HD-03110-07 0036 Child development and mental retardation - Assessing attentional processes from aspects of biological activity
 R01HD-03591-07 Experimental and innate factors in early development (humans)
 R01HD-03858-05 Development of habituation in human infants

R01HD-04212-06 Perception in premature, term and defective infants (human)
 P01HD-04299-05 Intervention and mental health of infants
 P01HD-04320-06 Developmental studies in learning and attention (children)
 P01HD-04335-06 Brain-behavior relationships in mental retardation
 P01HD-05027-05 0008 Developmental psychology - Attention-perception
 P01HD-05027-05 0013 Developmental psychology - Development of attention
 P01HD-05027-05 0015 Developmental psychology - Practical aspects of perceptual development
 P01HD-05027-05 0016 Developmental psychology - Development of complex perceptual systems
 P01HD-05124-04 0003 Mental retardation—Behavioral and neurological aspects - Behavioral techniques for studying neurological disease (mammals)
 P01HD-05902-04 Aging in monkeys
 P01HD-05958-03 0006 Neuropsychology and neuropsychology in mental retardation - Human and animal vigilance
 R01HD-06278-04 Neuropsychological assessments of child development
 R01HD-06605-02 Developmental studies of selective attention
 R01HD-06730-02 Beginning and fluent reading
 R01HD-06862-02 Environmental effects on rat brain synapses
 R01HD-07071-01 Biochemical factors in behavioral sex differences
 R01HD-07369-01 Generality and correlates of egocentrism in children
 R01HD-07649-01 Behavioral effects of early malnutrition in monkeys
 R01HD-08063-01 Overcoming the adverse effects of prematurity
 P01HD-08240-01 0001 Developmental processes in children at risk for MR - The orienting response and its habituation
 R01HD-08246-01 Cognitive-semantic bases for early language
 R01MH-00623-21 Psychophysiology of the autonomic nervous system (human, cats, monkeys)
 R01MH-01099-19 Learning and transfer processes (human)
 R01MH-01206-18 Behavior without awareness (human)
 R01MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
 R01MH-02456-16 Comparative psychophysics and stimulus control (pigeons)
 R01MH-03372-15 0038 Neural mechanisms in behavior - Effects of interruption of transcortical association tracts (monkeys)
 R01MH-03831-15 Auditory electrophysiology and behavior (cats, human)
 R01MH-03916-15 Perceptual factors in emotional conditioning (human)
 R01MH-04726-14 Functions of association cortex in learning (cats, monkeys)
 R01MH-06686-12 Correlation of EEG and behavior (cats, rabbits)
 R01MH-06830-13 Delay of gratification in choice situations (children)
 R01MH-07995-11 0002 Heart rate conditioning - Evaluating attentional processes in hyperactive children
 R01MH-08423-10 Memory and interference in classical conditioning (cats)
 P01MH-08618-10 0046 Biological studies of psychotic disorders - Effects of subclinical doses of mescaline (human)
 R01MH-10972-09 Analysis of behavioral functions of cerebral areas (monkeys)
 R01MH-11440-07 Experimental studies in childhood schizophrenia
 R01MH-12568-08 0001 Neuropsychopharmacological studies of attention - Animal development—Rats
 R01MH-12568-08 0003 Neuropsychopharmacological studies of attention - Animal brain stem (rats, monkeys)
 R01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
 R01MH-12717-08 Information processing and retrieval
 R01MH-12888-08 Children with learning disabilities—A follow-up
 P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 R01MH-16270-07 Sensory information processing (human)
 R01MH-16327-06 Determinants of visual perception (human)
 R01MH-16817-05 Cognitive hierarchies
 R01MH-17733-04 Retention in and retrieval from immediate memory
 R01MH-18246-04 A study of choice behavior (pigeons)
 R01MH-18354-04 Attention of deficits in subvarieties of schizophrenia
 R01MH-18579-04 Comparative drug effects in hyperkinetic children
 R01MH-18856-04 Control of the subjective intensity of sensation (human)
 R01MH-18857-02 Offspring of psychotic women (Sweden)
 R01MH-19156-04 The nature of hypnosis (human)

R01MH-19211-04 Psychotropic drugs and slow potentials in man
 R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 R01MH-19705-04 Organization and retrieval processes in human memory
 R01MH-19849-02 Learned control of EEG theta activity (human)
 R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
 R01MH-20495-03 Stimulus encoding in human learning and retention
 R01MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
 R01MH-21632-01 Information processing analysis of human memory
 R01MH-21912-03 TV, a therapeutic tool for the institutionalized aged
 R01MH-22081-02 Rehearsal and recognition in kinesthetic memory
 R01MH-22153-02 Information processing and attention (pigeons)
 R01MH-22296-02 Variables influencing pain produced by electric shock (human)
 R01MH-22299-01 Anticipatory coping and stress responses (human)
 P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
 R01MH-24044-01 Psychophysics of the startle reflex (guinea pigs)
 R03MH-24713-01 Arousal and individual differences in attention (human)
 R03MH-25070-01 Time and association in auto-shaped responding (pigeons)
 R03MH-25077-01 Concurrent performances in retarded children
 R01MH-25360-01 Effects of early training on infant discrimination (human)
 R03MH-25543-01 Measuring some effects of self-awareness (human)
 R03MH-25612-01 Cognitive tempo & problem-solving competence
 R01MH-25621-01 Forebrain lesions and affective behavior (cats, monkeys)
 R03MH-25873-01 Development studies of attention (human)
 R01NS-07454-08 Computer-implemented studies of sensory processing (human, cats)
 R01NS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
 R01NS-09135-05 Studies in distractibility (children)
 R01NS-09404-04 Central control of sensory interneurons (insects, mollusks)
 R01NS-10577-02 0002 Normal and pathological human brain function - Memory aid on hypothesis behavior and focusing in Huntington's chorea (human)
 R01NS-10577-02 0005 Normal and pathological human brain function - Dichotic ear-order effects with nonverbal stimuli (human)
 R01NS-10577-02 0006 Normal and pathological human brain function - Focusing behavior during concept formation by amnesic Korsakoff patients
 P01NS-10727-02 0001 The pathologies of sleep—A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
 P01NS-11647-01 0014 Peripheral and central auditory mechanisms - Electrophysiological measures of information processing (human)
 M01RR-00081-12 0014 General clinical research center, premature infants - Visual alertness evoked by maternal care

PSYCHIC ACTIVITY LEVEL, SLEEP

SEE ALSO BRAIN, SLEEP REGULATORY AREAS
 SEE ALSO HEALTH, PHYSICAL ACTIVITY, REST
 SEE ALSO NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS
 SEE ALSO PSYCHOLOGY, IMAGINATION, DREAMS
 SEE ALSO SENSORY DEPRESSION, ELECTRONARCOSIS
 R12AA-00209-07 0006 Washington University Alcoholism Research Center - Psychological and physicochemical correlates of alcoholic blackouts
 M P01AA-00212-06 Oklahoma center for alcohol related studies
 P01AA-00212-06 0003 Oklahoma center for alcohol related studies - Bioelectric patterns of sleep (human)
 R01AA-00293-03 Alcohol and behavior—A genetic and biochemical study (rodents, monkeys)
 M R01AA-00311-03 Metabolic and psychological factors in alcoholism
 R01AA-00311-03 0001 Metabolic and psychological factors in alcoholism - Recovery of slow wave sleep during alcohol abstinence
 R01AA-00311-03 0004 Metabolic and psychological factors in alcoholism - Sleep and cognitive characteristics during normal drinking and abstinence
 R01AA-00311-03 0005 Metabolic and psychological factors in alcoholism - Sleep in alcoholics and nonalcoholics exposed to the same alcohol consumption
 R01AA-00311-03 0006 Metabolic and psychological factors in alcoholism - EEG sleep and behavioral indicators of addiction (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Orignal significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AA-00311-03 0007 Metabolic and psychological factors in alcoholism - Sleep and cognitive factors in prolonged ad libitum drinking (human)
- R01AA-00311-03 0008 Metabolic and psychological factors in alcoholism - Sleep and cognition in alcohol drinking and withdrawal-Dosage (human)
- R01AA-00311-03 0014 Metabolic and psychological factors in alcoholism - Emotional and cognitive changes during alcohol consumption and REM deprivation
- R01AA-00311-03 0015 Metabolic and psychological factors in alcoholism - Alcohol-induced transitory loss of long-term memory
- ** R01AA-00311-03 0019 Metabolic and psychological factors in alcoholism - Amplitude changes for delta frequency and fast delta in sleep of alcoholics
- ** R01AA-00498-03 0009 Clinical studies of alcohol use and abuse - Sleep indices and 5-hydroxytryptophan effects in prognosis of alcoholism (human)
- R01AA-01236-01 Carry-over of tolerance and dependence in alcoholics
- R01AM-08311-10 Obesity and physiological response to environment (human)
- R01AM-16175-03 Secretion of vasopressin (human, dogs)
- ** R01AM-17334-02 Release of HGH, HPRL, HLH and HFSH in sleep-wake cycles (human)
- ** R01AM-18064-01 Growth hormone and steroid release in sleep (human)
- PO1CA-07304-11 0039 Steroid hormone production and metabolism in cancer - LH and FSH-secretion in sleep during puberty (human)
- ** PO1CA-07304-11 0040 Steroid hormone production and metabolism in cancer - Effect of sleep-wake cycle reversal on LH secretion (children)
- PO1CA-07304-11 0042 Steroid hormone production and metabolism in cancer - LH release at mid-menstrual cycle
- ** PO1CA-07304-11 0043 Steroid hormone production and metabolism in cancer - Pattern of LH secretion in sleep in normal men
- R01DA-00069-04 Toxicology of marijuana in animals and man
- R01DA-00721-01 Acute and chronic methadone effects on brain activity (monkeys, cats)
- PO1EY-00299-09 0021 Neurophysiology of the visual apparatus - Coordinates of extraocular muscles in steady state (cat)
- PO1EY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
- PO1EY-01319-01 0005 Visual science research center support - Mesencephalic influence on lateral geniculate nucleus (primates)
- ** PO1GM-14546-08 0053 Influence of acute illness and injury on energy - Monitoring sleep in intensive care unit
- P11GM-15477-08 0103 Drug metabolism and biochemical pharmacology - Ketamine-A new dissociative anesthetic agent (rats, human)
- PO1HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)
- ** PO1HD-01799-09 0018 Mental retardation research center - Individual difference and environmental effects in maturation of sleep-wake cycle
- PO1HD-01799-09 0020 Mental retardation research center - EEG and behavioral observations on neonates and "boarders"
- ** PO1HD-01799-09 0022 Mental retardation research center - Functional retardates
- PO1HD-01799-09 0037 Mental retardation research center - Sleep-wake states
- PO1HD-01799-09 0041 Mental retardation research center - Effects of stimulation on sleep and perceptual organization of premature infant
- ** PO1HD-02274-08 0119 Mental retardation and child development - Effect of stimulation on premature infants
- R01HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
- PO1HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)
- PO1HD-03110-07 0037 Child development and mental retardation - Mental retardation
- ** PO1HD-04335-06 Brain-behavior relationships in mental retardation
- PO1HD-04335-06 0001 Brain-behavior relationships in mental retardation - EEG and evoked response studies of retarded subjects (human)
- PO1HD-04335-06 0002 Brain-behavior relationships in mental retardation - Neonatal and follow-up studies of high-risk human neonates
- R01HD-04522-05 Biopsychology of reproduction (rats)
- PO1HD-04612-06 0020 Mental retardation research center - Activating and deactivating mechanisms of the rostral brain (mammals)
- PO1HD-05958-03 0004 Neurophysiology and neuropsychology in mental retardation - Neurophysiological indices of maturation in autistic and retarded children
- ** PO1HD-05958-03 0005 Neurophysiology and neuropsychology in mental retardation - Activating and deactivating mechanisms of the rostral brain (cats)
- ** R01HD-06209-03 Gonadotropin release and biological rhythms (women, men)
- PO1HD-06276-03 0039 Mental retardation research program - Somatosensory evoked potentials, sucking and swallowing in newborns (human)
- PO1HD-06364-03 0003 Maternal protein restriction and mental retardation - Electrophysiological indices of brain malformation (rats)
- R01HD-07035-02 Development of inhibition and facilitation of startle (human)
- R01HD-07071-01 Biochemical factors in behavioral sex differences
- R01HD-07276-01 Chemosensitive systems in sudden infant death (lambs, piglets)
- ** R01HD-07460-02 Sleep apnea and the sudden infant death syndrome
- ** R01HD-07965-01 Respiratory chemosensitivity during sleep in infancy (human)
- R01HD-08966-01 0006 Early diagnostic studies of aberrant development - Behavior studies-Neonatal evaluation and follow-up (human)
- ** R01HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
- ** R23HL-17172-01 Ventilatory control and sleep in the premature (monkeys)
- R01MH-03859-13 0003 Developmental-interactive aspects of hypnosis - Hypnotic behavior and the hypnotic state
- M R01MH-04151-14 Psychology and physiology of sleep
- ** R01MH-04151-14 0002 Psychology and physiology of sleep - Effect of stress on sleep (rats)
- ** R01MH-04151-14 0005 Psychology and physiology of sleep - Sleep patterns of reptiles (crocodiles, turtles, lizards)
- ** R01MH-04151-14 0007 Psychology and physiology of sleep - Operant control of sleep and waking responses (rats)
- ** R01MH-04151-14 0009 Psychology and physiology of sleep - Genetic determination of sleep in mice
- M R01MH-05286-12 Psychophysiology of perception
- ** R01MH-05286-12 0010 Psychophysiology of perception - Electrophysiological studies of the evolution of sleep (echidna)
- R01MH-05286-12 0012 Psychophysiology of perception - Electrophysiology of sensory, interhemispheric evoked responses in echidna
- ** R01MH-05286-12 0013 Psychophysiology of perception - Polygraphic and behavioral study of sleep (pigeons)
- ** R01MH-05286-12 0015 Psychophysiology of perception - Midline late response (cats)
- ** R01MH-10083-10 Forebrain mechanisms for internal inhibition and sleep (cats, rats)
- PO1MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
- R01MH-12507-09 Electrophysiological studies of psychiatric disorder
- PO1MH-12568-08 0011 Neuropsychopharmacological studies of attention - Schizophrenic patients
- ** PO1MH-13002-06 0045 Clinical and laboratory studies of affective disorder - Identification of sleep waves by bisector analysis (human)
- ** R01MH-13923-07 Physiology of sleep (cats)
- ** R01MH-14092-07 Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle)
- ** R01MH-14520-06 Pharmacology of sleep-Long-term studies (human, rats)
- ** R01MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)
- ** R01MH-15655-07 Effects of sleep on memory (human)
- R01MH-16478-06 Brain mechanisms and behavioral arousal (rats)
- R01MH-16929-06 The developmental effects of early maternal separation (rats)
- ** R01MH-16960-06 Quantitative analysis of sleep EEG's and EOG's (human)
- R01MH-19156-04 The nature of hypnosis (human)
- R01MH-19849-02 Learned control of EEG theta activity (human)
- R01MH-21133-03 Plasma levels of imipramine and clinical outcome (human)
- R12MH-21191-03 Developmental consequence of extreme social isolation (human)
- R01MH-21384-03 Psychologic and neural factors in cardiac arrhythmias (dogs, human)
- R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
- R01MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- R01MH-22803-02 Social-affective development in infancy (human)
- R01MH-23433-02 Role of the amygdala in behavior-Unit studies (cats)
- R01MH-23450-02 Preparatory training program for psychotherapy
- ** PO1MH-23861-02 0019 Biogenic amines and behavior - Biogenic amines, sleep (cats)
- ** R03MH-24564-01 Plasma testosterone during sleep in man
- ** R01MH-24652-01 EEG sleep studies in relation to affective illness
- R03MH-24763-01 hasic integrated potentials in schizophrenic patients
- R01MH-25133-02 0003 Steroid hormones in depressive illness - 24 Hour cortisol secretory patterns in affective disorders (human)
- ** R01MH-25845-01 Sleep mentation and functional hemispheric asymmetry
- PO1NS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)
- PO1NS-03360-14 0031 Neurological clinical research center-Epilepsy - EEG and activation (human)
- R01NS-03752-13 Computer studies of brain potentials (human)
- PO1NS-03856-12 0001 Auditory communication and its disorders - Electroencephalography (human)
- R01NS-05638-10 Central neural regulation of body fluids (animals)
- PO1NS-06225-09 0005 Cerebral localization - Single unit studies in the auditory system (cats, primates, birds)
- R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- ** R01NS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
- PO1NS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)
- PO1NS-07469-07 Sensory biology research center
- ** R01NS-07484-07 Humeral factors and brain metabolism in sleep (rats, goats)
- PO1NS-07512-06 0025 Neuronal development, interaction and organization - Development of raphe and pontomesencephalic reticular elements (cats)
- PO1NS-08711-04 0010 Fundamental studies relating to multiple sclerosis - Clinical neurophysiology
- R01NS-08962-06 Automatic pattern recognition in the EEG (human)
- R01NS-09122-04 Neural mechanisms for pituitary-adrenal periodicity (rats, cats)
- PO1NS-09704-04 0019 Developmental neurology - Sensory interaction (human)
- ** R01NS-09765-03 Brain mechanisms related to sleep behavior
- ** R01NS-09999-02 Maturation of sleep and waking somatomotor activity (cats)
- ** R01NS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)
- ** R01NS-10469-02 Regulation of synchronous neuronal discharge (cats)
- R01NS-10600-02 Role of pineal organ in brain function (fish)
- ** R01NS-10921-01 Sleep, hypnotics and brain monoamine metabolism (cats)
- R01NS-10970-02 Limbic neurons (rats)
- ** R01NS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
- R01NS-11219-02 Interrelationships to sensorimotor neurons (cats)
- R01NS-11393-01 Neurological lesions during African trypanosomiasis (voles)
- R01NS-12030-01 Central interactions with somatosensory neurons (cats)
- ** R01NS-12048-01 Accurate classification of sleep EEG by bisector analysis
- ** R01OH-00331-05 The sleep-waking cycle and its neuro-endocrine correlates (human)
- PO7RR-00003-13 0061 Medical data processing research - Sudden infant death
- MO1RR-00036-14 0117 General clinical research center - Cardiorespiratory function in sleeping stroke patient
- ** MO1RR-00036-14 0182 General clinical research center - Growth hormone, insulin and glucose levels during sleep (human)
- MO1RR-00043-14 0034 General clinical research center - Nocturnal growth hormone secretion studies (human)
- ** MO1RR-00050-13 0015 Wilson's disease - Changes in plasma gonadotropins during sleep (human)
- ** MO1RR-00053-13 0023 Clinical research center - Gonadotropin release and biological rhythms (human)
- MO1RR-00053-13 0026 Clinical research center - Cortisol secretion in depression (human)
- ** MO1RR-00053-13 0028 Clinical research center - Sleep and endocrine patterns in opiate addicts (human)
- ** MO1RR-00053-13 0029 Clinical research center - The sleep-wake cycle and its neuro-endocrine correlates (human)
- ** MO1RR-00053-13 0030 Clinical research center - Ultradian cycles during circadian sleep-wake cycles (human)
- ** MO1RR-00053-13 0031 Clinical research center - Influence of sleep-wake cycle on psychomotor performance (human)
- ** MO1RR-00053-13 0032 Clinical research center - Acute reversal and re-reversal of sleep-wake cycle (human)
- ** MO1RR-00053-13 0033 Clinical research center - Influence of waking-time on reversal and re-reversal sleep-wake cycle (human)
- ** MO1RR-00053-13 0035 Clinical research center - Neurologic mechanism controlling growth hormone secretion relative to sleep (hum)
- MO1RR-00053-13 0038 Clinical research center - Growth hormone and sulfation factor in diabetes (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** MO1RR-00053-13 0039 Clinical research center - Effect of behavioral state on growth hormone in neonates and young infants (human)
- ** MO1RR-00053-13 0040 Clinical research center - Growth hormone release during slow wave sleep in children with maternal deprivation
- ** MO1RR-00053-13 0059 Clinical research center - Temporal relation between HGH release and sleep stages (human)
- ** MO1RR-00053-13 0061 Clinical research center - Reduction of sleep related growth hormone release after clomiphene (human)
- ** MO1RR-00053-13 0062 Clinical research center - Human prolactin-24 hr pattern with increased release during sleep
- MO1RR-00053-13 0063 Clinical research center - Vestibular stimulation during sleep in young adults
- MO1RR-00053-13 0064 Clinical research center - Changes in sleep stage pattern during menstruation (human)
- ** MO1RR-00053-13 0065 Clinical research center - Episodic secretion of hormones-Luteinizing hormones (human)
- MO1RR-00053-13 0074 Clinical research center - Elevated plasma cortisol in anorexia nervosa (human)
- ** MO1RR-00053-13 0080 Clinical research center - Endocrine function in isolated gonadotropin deficiency (human)
- ** MO1RR-00062-12 0015 Clinical research center, children - Sleep-dream patterns in phenylalaninemia
- ** MO1RR-00062-12 0025 Clinical research center, children - Relationship of sleep and growth hormone secretion
- MO1RR-00070-12 0070 General clinical research center - Polygraph monitoring of sleep attacks in incipient narcolepsy (human)
- ** MO1RR-00081-12 0032 General clinical research center, premature infants - Sleep apnea in infants
- MO1RR-00287-08 0005 General clinical research center - Glucose homeostasis in diabetics (human)
- ** MO1RR-00287-08 0006 General clinical research center - Variation of amines in nocturnal migraine (human)
- ** MO1RR-00350-08 0094 General clinical research center - Relation between phases of sleep and potentially fatal arrhythmias (human)
- ** MO1RR-00628-04 0007 General clinical research center for children - Neuroendocrine aspects of sleep in dwarfism
- ** MO1RR-00633-02 0062 General clinical research center - Mechanisms of coma and normal sleep
- MO1RR-00645-03 0035 Clinical research center - Prolactin (human)

PSYCHIC ACTIVITY LEVEL, SLEEP, REM

- R12AA-00209-07 0006 Washington University Alcoholism Research Center - Psychological and physicochemical correlates of alcoholic blackouts
- ** R01AA-00311-03 0013 Metabolic and psychological factors in alcoholism - REM changes and hallucinations in relation to extraocular potentials (human)
- ** R01AA-00311-03 0014 Metabolic and psychological factors in alcoholism - Emotional and cognitive changes during alcohol consumption and REM deprivation
- ** R01AA-00311-03 0018 Metabolic and psychological factors in alcoholism - Phasic and non-phasic sleep during alcohol consumption and withdrawal
- ** R01AA-00498-03 0009 Clinical studies of alcohol use and abuse - Sleep indices and 5-hydroxytryptophan effects in prognosis of alcoholism (human)
- ** R01DA-01050-01 EEG REM sleep and imipramine in morphine addiction (rats)
- PO1HD-01799-09 0018 Mental retardation research center - Individual difference and environmental effects in maturation of sleep-wake cycle
- ** PO1HD-04612-06 0019 Mental retardation research center - Maturation in normal and retarded children
- PO1HD-05958-03 0004 Neurophysiology and neuropsychology in mental retardation - Neurophysiological indices of maturation in autistic and retarded children
- R01HD-07460-02 Sleep apnea and the sudden infant death syndrome
- R01HD-08297-01 Respiratory control in early life (human)
- NO1HD-22777-03 Developmental phenomena and the occurrence of SIDS (human)
- NO1HD-22778-03 Developmental phenomena and the occurrence of SIDS (human)
- NO1HD-42810-00 Developmental phenomena and the occurrence of SIDS (human)
- R23HL-17172-01 Ventilatory control and sleep in the premature (monkeys)
- R01MH-10083-10 Forebrain mechanisms for internal inhibition and sleep (cats, rats)
- ** P01MH-13002-06 0045 Clinical and laboratory studies of effective disorder - Identification of sleep waves by bisector analysis (human)
- ** R01MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- R01MH-15655-07 Effects of sleep on memory (human)
- R01MH-16960-06 Quantitative analysis of sleep EEG's and EOG's (human)
- ** R01MH-18391-04 Sleep psychophysiology and psychopathology (human)
- R01MH-21275-02 Pathologic and adaptive response to human sleep loss
- R01MH-21989-03 Studies of psychological differentiation (human)
- R03MH-24564-01 Plasma testosterone during sleep in man

- ** R03MH-24912-01 Augmentation of REM sleep after learning (mice)
- ** R03MH-25106-01 EEG lateral asymmetries in sleep (human)
- R01MH-25845-01 Sleep mentation and functional hemispheric asymmetry
- R01NS-01941-16 Neurophysiology of food intake (rodents)
- PO1NS-04053-12 0012 Epilepsy - Electroencephalography (human)
- PO1NS-06655-09 0001 Cerebrovascular research unit for study of TIA - Prolonged cerebral blood pressure monitoring (human)
- ** R01NS-07685-06 Vestibular control of sensory mechanisms (human)
- R01NS-08040-05 Neurophysiology of oculomotor-visual integration (cats)
- M PO1NS-10727-02 The pathologies of sleep-A clinical program
- PO1NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- PO1NS-10727-02 0002 The pathologies of sleep-A clinical program - Experimental studies in animals (cats)
- PO1NS-10727-02 0003 The pathologies of sleep-A clinical program - Circadian rhythms (human)
- R01NS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
- PO7RR-00003-13 0056 Medical data processing research - Artistic behavior
- ** MO1RR-00053-13 0063 Clinical research center - Vestibular stimulation during sleep in young adults
- ** MO1RR-00053-13 0064 Clinical research center - Changes in sleep stage pattern during menstruation (human)
- MO1RR-00062-12 0025 Clinical research center, children - Relationship of sleep and growth hormone secretion
- MO1RR-00070-12 0070 General clinical research center - Polygraph monitoring of sleep attacks in incipient narcolepsy (human)
- MO1RR-00287-08 0006 General clinical research center - Variation of amines in nocturnal migraine (human)
- MO1RR-00322-08 0025 General clinical research center - Circadian rhythm in neurologic disorders (human)
- MO1RR-00350-08 0094 General clinical research center - Relation between phases of sleep and potentially fatal arrhythmias (human)

PSYCHIC ACTIVITY LEVEL, SLEEP DEPRIVATION

- ** P01AA-00212-06 0002 Oklahoma center for alcohol related studies - Effects of alcohol and sleep loss (human)
- R01HL-16573-01 Prevention of sudden coronary death (human)
- ** R01MH-04151-14 0003 Psychology and physiology of sleep - Effect of sleep deprivation on sensory thresholds (rats)
- ** R01MH-04151-14 0004 Psychology and physiology of sleep - Effect of sleep deprivation on unit activity in reticular formation (rats)
- ** R01MH-04151-14 0010 Psychology and physiology of sleep - Effects of sleep deprivation and amphetamine on performance (rats)
- PO1MH-08618-10 0039 Biological studies of psychotic disorders - Guaiacol-O-methyltransferase (GOMT) (rats, mice)
- R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- ** R01MH-18391-04 Sleep psychophysiology and psychopathology (human)
- ** R01MH-21275-02 Pathologic and adaptive response to human sleep loss
- ** R03MH-25349-01 Physiological sleep patterns after open-heart surgery (human)
- R01NS-01941-16 Neurophysiology of food intake (rodents)
- R01NS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
- R01NS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
- ** MO1RR-00053-13 0034 Clinical research center - Effect of progressive shortening of sleep time (human)
- ** MO1RR-00053-13 0057 Clinical research center - Secretion of cortisol and growth hormone in sleep deprivation (monkeys)
- MO1RR-00088-11 0048 General clinical research center - Assessing verbal and nonverbal capacity in normal adults
- ** MO1RR-00287-08 0051 General clinical research center - Seizure frequency during first hour after waking (human)

PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE

- SEE ALSO PSYCHOLOGY, CONDITIONING, AUTOGENIC
- ** R01MH-24063-01 Effect of relaxation-mediation in early hypertension

PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE, MEDITATION

- PO1HL-10539-09 0023 Pathophysiology of circulation - Meditational states and their application to disease states (human)
- ** R01MH-24063-01 Effect of relaxation-mediation in early hypertension

- ** R01MH-25101-01 Therapy of anxiety-A new psychophysiological approach
- ** MO1RR-00076-12 0073 General clinical research center - Oxygen consumption during wakeful, hypometabolic state (human)
- ** MO1RR-00076-12 0075 General clinical research center - Measurement of elicitation of a wakeful hypometabolic state (human)

PSYCHIC ACTIVITY LEVEL, WAKEFULNESS

- ** R01AM-17334-02 Release of HGH, HPRL, HLH and HFSH in sleep-wake cycles (human)
- ** P01CA-07304-11 0040 Steroid hormone production and metabolism in cancer - Effect of sleep-wake cycle reversal on LH secretion (children)
- P01CA-07304-11 0043 Steroid hormone production and metabolism in cancer - Pattern of LH secretion in sleep in normal men
- P01CA-07368-11 0024 Interrelationships of normal and cancer cells - Convergence of somatic inputs on posterior thalamus (monkeys)
- P01CA-07368-11 0026 Interrelationships of normal and cancer cells - Relief of cancer pain by neurostimulus
- PO1EY-01186-02 0002 The visual science research center grant - Oculomotor neurophysiology (cats, monkeys, human)
- ** PO1HD-01799-09 0018 Mental retardation research center - Individual difference and environmental effects in maturation of sleep-wake cycle
- PO1HD-01799-09 0020 Mental retardation research center - EEG and behavioral observations on neonates and "boarders"
- PO1HD-01799-09 0037 Mental retardation research center - Sleep-wake states
- R01HD-04522-05 Biopsychology of reproduction (rats)
- PO1HD-05958-03 0005 Neurophysiology and neuropsychology in mental retardation - Activating and deactivating mechanisms of the rostral brain (cats)
- R01HD-07071-01 Biochemical factors in behavioral sex differences
- ** R01MH-04151-14 0007 Psychology and physiology of sleep - Operant control of sleep and waking responses (rats)
- R01MH-10083-10 Forebrain mechanisms for internal inhibition and sleep (cats, rats)
- R01MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- R01MH-15655-07 Effects of sleep on memory (human)
- R01MH-22803-02 Social-affective development in infancy (human)
- R01MH-24820-01 Biofeedback training for sleep onset (human)
- R01NS-05638-10 Central neural regulation of body fluids (animals)
- PO1NS-06828-08 0024 Neurophysiology-Sensory systems and cerebral cortex - Sensory events in the limb movements, in the waking, behaving monkey
- PO1NS-06828-08 0025 Neurophysiology-Sensory systems and cerebral cortex - Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb
- PO1NS-07512-06 0025 Neuronal development, interaction and organization - Development of raphe and ponto-mesencephalic reticular elements (cats)
- R01NS-08040-05 Neurophysiology of oculomotor-visual integration (cats)
- R01NS-09122-04 Neural mechanisms for pituitary-adrenal periodicity (rats, cats)
- PO1NS-09704-04 0019 Developmental neurology - Sensory interaction (human)
- R01NS-10600-02 Role of pineal organ in brain function (fish)
- R01NS-10921-01 Sleep, hypnotics and brain monoamine metabolism (cats)
- ** R01NS-11048-01 Sleep behavior and turnover of biogenic amines (monkeys)
- R01NS-12030-01 Central interactions with somatosensory neurons (cats)
- ** MO1RR-00053-13 0029 Clinical research center - The sleep-wake cycle and its neuro-endocrine correlates (human)
- ** MO1RR-00053-13 0030 Clinical research center - Ultradian cycles during circadian sleep-wake cycles (human)
- ** MO1RR-00053-13 0031 Clinical research center - Influence of sleep-wake cycle on psychomotor performance (human)
- ** MO1RR-00053-13 0032 Clinical research center - Acute reversal and re-reversal of sleep-wake cycle (human)
- ** MO1RR-00053-13 0033 Clinical research center - Influence of waking-time on reversal and re-reversal sleep-wake cycle (human)
- ** MO1RR-00053-13 0039 Clinical research center - Effect of behavioral state on growth hormone in neonates and young infants (human)
- MO1RR-00076-12 0073 General clinical research center - Oxygen consumption during wakeful, hypometabolic state (human)
- MO1RR-00076-12 0075 General clinical research center - Measurement of elicitation of a wakeful hypometabolic state (human)

PSYCHIC ENERGIZERS

- SEE PSYCHOPHARMACOLOGICAL AGENTS, ANTIDEPRESSANTS (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PSYCHIC SHOCK

- SEE ALSO PSYCHOLOGIC STRESS
 R01AA-00376-01 An alcohol dependence model (rats)
 P01HD-01136-10 0016 Center for research in human learning - Emotions as behavior mediators
- PSYCHIC SHOCK, EMOTIONAL CRISIS**
 ** R18AA-00967-01 Indian women alcoholism crisis center
 P02CA-05831-13 0041 Cancer clinical research - Medical social service
 ** P02CA-15083-01 0004 Cancer Center Support Grant-Mayo Foundation - Cancer rehabilitation
 P02CA-15083-01 0012 Cancer Center Support Grant-Mayo Foundation - Management of pediatric cancer
 P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
 R01HD-06830-03 Effect of therapeutic abortion on unmarried women
 P01MH-11668-09 0032 Psychosocial factors in health and disease - Life crisis involving hysterectomy or abortion
 P01MH-13002-06 0005 Clinical and laboratory studies of affective disorder - Studies of bereavement
 ** R01MH-15867-05 Crisis intervention-Model for prevention (human)
 ** R01MH-18846-03 Outcome of crisis intervention treatment
 R12MH-20123-03 Community alternatives for treatment of schizophrenia
 R01MH-20741-03 Hospital emergency overdose identification
 R01MH-22563-01 Folk healers and community mental health programming
 R01MH-22575-01 Divorce, role and health status and service systems
 ** R01MH-22891-02 Crisis intervention by the use of telephone therapy
 R01MH-23538-02 Raman Navajo school social services
 R01MH-23600-01 Day care centers-A comparative and evaluative study
 R01MH-24229-01 Berkeley youth alternatives juvenile services program
 R01MH-24817-01 Human development model for mental health services
 R01MH-24902-01 Evaluative study of callers to a crisis hotline
 R13MH-25655-01 Identity crisis of the Sansei
 R21NU-00370-04 Nursing with chronically ill psychiatric outpatients (human)

PSYCHICAL RESEARCH

SEE PSYCHOLOGY, PARAPSYCHOLOGY

PSYCHOACOUSTICS

SEE PSYCHOPHYSICS, PSYCHOACOUSTICS

PSYCHOANALYSIS

- ** R01MH-13915-05 Modification of defenses in psychoanalysis (human)
 ** R01MH-22749-02 Patient-therapist interaction in psychoanalysis
 P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
 P01MH-22916-02 0002 Personality and psychotherapy - Clinical inference
 ** P01MH-22916-02 0006 Personality and psychotherapy - Quantitative studies of psychoanalytic protocols
 ** R03MH-25470-01 Psychoanalytic influence in America after 1917

PSYCHOANALYSIS, FREE ASSOCIATION

- R01MH-20639-01 Comparative study of white, black, and spanish groups
 P01MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy

PSYCHOANALYTIC INTERPRETATION

- R01MH-05683-12 Childhood psychopathology process and overt symptomatology
 R01MH-22749-02 Patient-therapist interaction in psychoanalysis

PSYCHOANALYTIC THEORY

- SEE ALSO PSYCHOLOGY, PERSONALITY DEVELOPMENT
 M P01MH-22916-02 Personality and psychotherapy
 P01MH-22916-02 0007 Personality and psychotherapy - Dynamic and behavioral psychotherapy

PSYCHOANALYTIC THEORY, UNCONSCIOUS

- ** P01MH-11668-09 0093 Psychosocial factors in health and disease - Recording of exact dates in the unconscious

PSYCHOANALYTIC THERAPY

SEE PSYCHOANALYSIS

PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

- SEE ALSO BRAIN ELECTRICAL ACTIVITY, CONTINGENT NEGATIVE VARIATION
 SEE ALSO BRAIN INTERHEMISPHERIC ACTIVITY, CEREBRAL DOMINANCE
 SEE ALSO ELECTRICAL MEASUREMENTS, GALVANIC SKIN RESPONSE
 SEE ALSO ENVIRONMENT, ORIENTATION
 SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
- SEE ALSO NEUROPHYSIOLOGY, REFLEX
 SEE ALSO NEUROPSYCHOLOGY (GENERAL)*
 SEE ALSO NEUROPSYCHOLOGY RESEARCH REVIEW COMMITTEE
 SEE ALSO NUTRIENT INTAKE ACTIVITY (GENERAL)
 SEE ALSO POLYGRAPHY
 SEE ALSO PSYCHOLOGIC STRESS
 SEE ALSO PSYCHOLOGY ABNORMAL, PSYCHOPHYSIOLOGIC DISORDERS
 SEE ALSO PSYCHOMOTOR FUNCTION
 SEE ALSO SENSORY PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
- M P01AA-00212-06 Oklahoma center for alcohol related studies
 ** P01AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
 ** R01AA-00388-01 Cellular mapping of behavioral traits (mice)
 R03AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)
 R01AA-01066-01 Physical dependence on alcohol (mice)
 ** R01AA-01416-01 Role of biogenic amines in the actions of alcohol (rats)
 R01AA-01761-01 Alcohol metabolism in four ethnic groups in Hawaii
 P15A-10398-04 Allergy disease center (human)
 P02AM-10202-08 0004 Studies in human nutrition - Effects of wine on metabolic functions in man
 R01AM-12049-08 Experimental program in rheumatoid arthritis (human)
 R01AM-13518-12 Unexplained hypoglycemia in children
 ** P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
 R01AM-17157-01 Medial hypothalamic regulation of feeding behavior (rats)
 ** R01AM-17259-01 Body nutrient reserves and feeding behavior (rats, mice)
 ** P17AM-17624-01 0006 Obesity center - Regulation of energy intake (human)
 P17AM-17624-01 0008 Obesity center - Hormonal responses to food related cues in lean and obese subjects
 P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
 ** R01DA-00565-01 Physiologic mechanisms of narcotic withdrawal (rats)
 R01DA-00568-01 Effects of drugs on neural reinforcement processes
 R01DA-00744-01 Narcotic addiction in relation to hormone action
 ** R01DA-00828-01 Psychobiological causes of opiate addiction (mice)
 R01DA-00896-01 Effects of 9-THC on behavioral development
 R01DA-01032-01 Addicting drugs and brain function in humans
 R01DA-01049-01 Morphine and the medial forebrain bundle system (rats)
 P01DA-01080-01 Psychosocial investigation of drug abuse in industry
 N01DA-40139-00 Use of biofeedback with opiate addicts (human)
 ** R01DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)
 R01DE-03951-01 Acupuncture and dental pain (human)
 ** P01ES-00040-10 0010 Environmental toxicology of pesticides - Psychobiological effects of pesticides (rats, quail)
 ** P01ES-00354-07 0003 Human responses to thermal environment - Physiological and behavioral temperature regulation (monkeys)
 ** P01ES-00354-07 0004 Human responses to thermal environment - Thermal psychophysics and human behavioral thermoregulation
 P01ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
 ** P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
 ** R01EY-00197-16 Psychophysiological studies of ocular abnormalities (human)
 R01EY-00355-07 Behavioral visual function (turtles, pigeons)
 R01EY-00573-12 Vision in special environments- Developmental effects (monkeys, cats, rats)
 ** R01EY-00590-11 Suppression mechanism in binocular rivalry (human)
 R01EY-00606-10 Visual system (cats, monkeys)
 R01EY-00744-03 Human visual responses in retina and cortex
 R01EY-00913-02 McCollough effect-Color vision and shape perception (human)
 ** R01FD-00650-02 Biopsychological studies of microwave irradiation
 ** R01GM-07495-13 The genetics and physiology of behavioral differences (mice)
 R01GM-16697-06 Genetics of human behavior and mental traits
 ** P01GM-19443-03 0034 Problems in clinical genetics - The XYY syndrome (Copenhagen, Denmark)

- R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
 M R01HD-00325-18 Longitudinal and related psychohormonal studies
 ** P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
 ** P01HD-00668-16 0011 Aging and the aged - Learning and psychophysiological parameters in aged (human)
 ** P01HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)
 P01HD-00668-16 0014 Aging and the aged - Bioelectric correlates of learning in the brain (cats, human)
 R01HD-00867-12 Hormonal and neural correlates of reproductive behavior (rats, hamsters)
 R01HD-00878-13 Sensory and perceptual determinants of imprinting (ducks)
 R01HD-00893-11 Hormonal control of behavior (rodents)
 ** P01HD-01799-09 0033 Mental retardation research center - Developmental psychology (human)
 ** P01HD-01799-09 0041 Mental retardation research center - Effects of stimulation on sleep and perceptual organization of premature infant
 P01HD-02274-08 0127 Mental retardation and child development - Color vision in neonate pigtail monkeys
 ** R01HD-02395-08 Development of the EEG in relation to behavior (human)
 R01HD-02581-14 Effects of malnutrition in early life (rats, swine)
 P01HD-02881-07 0001 Developmental and behavioral neuroendocrinology - Prenatal studies (mice)
 ** P01HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
 ** P01HD-02881-07 0003 Developmental and behavioral neuroendocrinology - Psychobiology of lactation (rabbits, squirrel monkeys)
 ** R01HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
 M P01HD-03352-07 Wisconsin center on mental retardation
 ** P01HD-03352-07 0018 Wisconsin center on mental retardation - Conditioning and psychophysiology of normal and retarded children
 R01HD-03386-06 Experiential determinants of exploration in primates (human)
 R01HD-03719-10 Metabolic and behavioral studies of human obesity
 ** P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 R01HD-03911-12 Sensory discrimination and learning in human infants
 M P01HD-04335-06 Brain-behavior relationships in mental retardation
 ** R01HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
 R01HD-04482-05 Endocrine factors in social behavior (doves)
 R01HD-04484-04 Endocrine and neural bases of behavior (rats)
 ** P01HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys)
 R01HD-04522-05 Biopsychology of reproduction (rats)
 R01HD-04524-06 Psychophysiological aspects of aging (human)
 R01HD-04688-05 Effects of prepubertal stress on adult sexual behavior (rats)
 P01HD-05027-05 0013 Developmental psychology - Development of attention
 ** R01HD-05080-04 Clinical and chromosomal variation in 1900 children
 P01HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
 R01HD-05751-04 Brain mechanisms of reproductive behavior (rats, other vertebrates)
 ** R01HD-05860-03 Environment, genetics and pheromonal ovulation (mice)
 R01HD-05902-04 Aging in monkeys
 P01HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques
 P01HD-05969-03 0011 Events that control fertilization - Selection of sexual partners by female pigtail macaques
 P01HD-05969-03 0012 Events that control fertilization - Dependence of sexual behavior on gonadal steroids (Lemur cats)
 P01HD-05969-03 0013 Events that control fertilization - Sexual behavior of the male rhesus
 P01HD-06224-02 Center for the study of aging and human development
 P01HD-06276-03 0020 Mental retardation research program - Biological basis of sex difference in cognitive stage (children)
 ** P01HD-06276-03 0021 Mental retardation research program - Psychophysiological and behavioral differences (adults, infants)
 R01HD-06278-04 Neuropsychological assessments of child development
 R01HD-06572-02 The prediction and elicitation of maternal behavior (mice)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** RO1HD-06753-03 Classical conditioning of heart rate in human infants
- RO1HD-06781-03 Taste sensitivity in the human infant
- RO1HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
- RO1HD-06872-02 Endocrine regulation of maternal behavior (rats)
- ** RO1HD-07054-01 Developmental aspects of passive avoidance learning (rats)
- RO1HD-07479-02 Pre- and post natal undernutrition and adaptive capacity (monkeys)
- ** RO1HD-07649-01 Behavioral effects of early malnutrition in monkeys
- ** RO1HD-07755-01 Learning and psychophysiological studies in the aged
- RO1HD-07768-01 Emergence of linguistic intuitions in children
- RO1HD-07770-01 Animal model for mental deficiency (ferret)
- RO1HD-07895-01 Consequence of in utero treatment (rats)
- RO1HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- ** PO1HD-08338-01 0001 Control of male reproduction - Testosterone and gonadotropins in development of aggression (mice)
- ** PO1HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
- ** RO1HD-08362-01 Environmental stimulation, hormones and CNS development (rats)
- RO1HD-08546-01 Crowding and development of spatial behavior (adults, children)
- RO1HD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)
- RO1HD-32776-95 Diagnostic and intervention studies of high risk infants
- ** RO1HL-03429-15 Central nervous system and coronary heart disease (human)
- RO1HL-04741-15 Central nervous control of cardiovascular function (primates)
- RO1HL-05711-13 Pressor mechanisms in hypertension (human)
- M RO1HL-06945-13 Psychogenic factors in cardiovascular functions
- ** RO1HL-06945-13 0002 Psychogenic factors in cardiovascular functions - Cardiovascular responses to behavioral stress (baboons, dogs)
- PO1HL-09814-09 0002 Research program - Cardiovascular and related disease - Socio-psychological health factors, coronary heart disease and precursors (human)
- ** PO1HL-10539-09 0016 Pathophysiology of circulation - Physiologic observations of transcendental meditation (human)
- ** PO1HL-10539-09 0023 Pathophysiology of circulation - Meditative states and their application to disease states (human)
- ** RO1HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
- ** P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
- P17HL-14152-04 0021 Pulmonary specialized center of research - Obstructive pulmonary syndromes (human)
- RO1HL-15399-02 Behavioral factors in coronary heart disease
- ** RO1MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
- ** RO1MH-00623-21 Psychophysiology of the autonomic nervous system (human, cats, monkeys)
- RO1MH-01293-18 Measurement of drive and conflict (human)
- RO1MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
- ** RO1MH-02271-17 Psychological studies of behavior (ring doves)
- RO1MH-03859-13 0003 Developmental-interactive aspects of hypnosis - Hypnotic behavior and the hypnotic state
- RO1MH-03916-15 Perceptual factors in emotional conditioning (human)
- ** RO1MH-04920-12 Circadian patterns of normal and pathological functions (rats)
- M RO1MH-05286-12 Psychophysiology of perception
- RO1MH-05286-12 0005 Psychophysiology of perception - AERS associated with judgements of sounds during linguistic processing (human)
- RO1MH-05286-12 0007 Psychophysiology of perception - Topography of the contingent negative variation during timed human performance
- RO1MH-05286-12 0013 Psychophysiology of perception - Polygraphic and behavioral study of sleep (pigeons)
- RO1MH-07722-10 Research on information processing psychology (human)
- RO1MH-07809-11 A quantitative analysis of judgment (human)
- ** RO1MH-07923-11 Neurobehavioral plasticity in a simple cortical system (rats, rabbits, hamsters)
- M RO1MH-07995-11 Heart rate conditioning
- RO1MH-07995-11 0002 Heart rate conditioning - Evaluating attentional processes in hyperactive children
- RO1MH-07995-11 0003 Heart rate conditioning - Operant conditioning of heart rate (human)
- RO1MH-07995-11 0005 Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
- RO1MH-07995-11 0006 Heart rate conditioning - Sympathetic influences on heart rate during stress (human)
- ** RO1MH-08061-11 Analytic studies of visual perception (human)
- M RO1MH-08064-11 Psychobiology of maternal behavior
- RO1MH-08064-11 0001 Psychobiology of maternal behavior - Development during pregnancy and parturition (rats)
- RO1MH-08064-11 0004 Psychobiology of maternal behavior - Neural basis (rats)
- RO1MH-08064-11 0007 Psychobiology of maternal behavior - Decline of maternal behavior (rats)
- RO1MH-08064-11 0009 Psychobiology of maternal behavior - Pup-induction of maternal behavior in non-pregnant guinea pig
- RO1MH-08853-10 Instrumental properties of human autonomic functions
- RO1MH-10993-10 Fear modification and learned autonomic control (human)
- ** PO1MH-11668-09 0004 Psychosocial factors in health and disease - Physiologic changes during sadness
- PO1MH-11668-09 0005 Psychosocial factors in health and disease - Conservation-withdrawal
- ** PO1MH-11668-09 0016 Psychosocial factors in health and disease - Elective abortions
- PO1MH-11668-09 0018 Psychosocial factors in health and disease - Medical education
- ** PO1MH-11668-09 0062 Psychosocial factors in health and disease - Evaluation of effectiveness in teaching clinical observation
- PO1MH-11668-09 0084 Psychosocial factors in health and disease - Behavioral aspects of genetic counseling
- PO1MH-11668-09 0087 Psychosocial factors in health and disease - Predictive differentiation of anxiety vs helplessness and guilt vs shame
- PO1MH-11668-09 0089 Psychosocial factors in health and disease - Age related characteristics of affective behavior
- PO1MH-11668-09 0094 Psychosocial factors in health and disease - Heart research follow-up program
- ** PO1MH-11668-09 0099 Psychosocial factors in health and disease - Psychological processes in familial Mediterranean fever
- RO1MH-11894-09 0001 Comprehensive behavioral studies - Depression (Rhesus monkeys)
- RO1MH-11976-10 Communication through nonverbal behavior
- RO1MH-12043-07 Influence of parental psychosis on child development
- PO1MH-12972-08 0015 Research program in personality assessment - Personality assessment utilizing responses to personality test items (human)
- RO1MH-13049-09 Experimental studies of long-term stress (human, monkeys, rats)
- RO1MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
- ** RO1MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- RO1MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
- RO1MH-16127-06 0001 Muscle enzyme release in the acute psychoses - Clinical-chemical correlations (human)
- RO1MH-16127-06 0010 Muscle enzyme release in the acute psychoses - Release of CPK from skeletal muscle by cold restraint (rats)
- RO1MH-17039-05 Psychophysiological studies in hyperactive children
- RO1MH-18135-04 Self-image and family dynamics in transplantation (human)
- RO1MH-18391-04 Sleep psychophysiology and psychopathology (human)
- RO1MH-18411-05 Cognitive effects on GSR conditioning and performance (human)
- RO1MH-18565-04 Comparative study of social organization (damselfish)
- RO1MH-18856-04 Control of the subjective intensity of sensation (human)
- RO1MH-19152-04 Cognitive control of pain
- RO1MH-19156-04 The nature of hypnosis (human)
- RO1MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
- RO1MH-19415-05 Developmental dyslexia-A longitudinal study
- RO1MH-19560-04 Prospective study of children of schizophrenic parents
- RO1MH-19722-04 Adaptive function of electrodermal activity (human)
- RO1MH-19837-03 Behavioral and endocrine coordination (monkeys)
- RO1MH-19849-02 Learned control of EEG theta activity (human)
- RO1MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
- RO1MH-20483-03 Aggressive behavior, dominance rank and testosterone (monkeys)
- ** RO1MH-21222-03 The quality of life following kidney transplantation (human)
- RO1MH-21275-02 Pathologic and adaptive response to human sleep loss
- ** RO1MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
- RO1MH-21577-02 Behavior control of drug-induced aggression (rats)
- RO1MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams
- RO1MH-21989-03 Studies of psychological differentiation (human)
- RO1MH-22149-02 Effects of amphetamine on children
- RO1MH-22296-02 Variables influencing pain produced by electric shock (human)
- RO1MH-22299-01 Anticipatory coping and stress responses (human)
- RO1MH-23133-02 Oxygen consumption and the effects of behavioral stress (baboon)
- ** RO1MH-23533-01 Early experience, development, and adaptation (rats, mice)
- RO1MH-23548-01 Immune concept of schizophrenia
- ** RO1MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
- ** RO1MH-23580-01 Cortisol excretion rates and stress in infants (human)
- ** RO1MH-23626-01 Variables affecting heart rate and behavior (rats)
- M RO1MH-23861-02 Biogenic amines and behavior
- PO1MH-23861-02 0014 Biogenic amines and behavior - Adrenal medullary secretion and catecholamine response to stress (monkeys, human)
- PO1MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
- ** RO3MH-23870-01 Hormonal effects on aggression (mice)
- RO1MH-24070-01 Biofeedback and habituation rates in chronic anxiety
- ** RO1MH-24344-01 Sensory processing and adaptive behavior (cats)
- ** RO3MH-24551-01 Autonomic and cortical responses to affective stimuli (human)
- ** RO3MH-24578-01 Delayed response and low frequency inhibition (cats)
- RO3MH-24763-01 Basic integrated potentials in schizophrenic patients
- RO1MH-24820-01 Biofeedback training for sleep onset (human)
- RO1MH-24872-01 47,XXX and 47,XXY males' neurophysiological behavior (human)
- ** RO3MH-24967-01 History of psychophysiology and psychosomatic medicine
- ** RO1MH-25295-01 Sympathetic and adrenocortical lability and illness (human)
- RO3MH-25399-01 Operant conditioning of cardiac contractility in man
- R12MH-25416-01 CRB NIMH collaborative studies III-Pilot
- RO3MH-25425-01 Neuropsychology of territorial behavior (gerbils)
- R12MH-25430-01 CRB NIMH collaborative studies III-Pilot
- R12MH-25447-01 CRB NIMH collaborative depression studies III-Pilot
- ** RO3MH-25461-01 Life events, stress, and mental distress
- RO3MH-25472-01 Internal noise and auditory function (human)
- R12MH-25478-01 CRB NIMH collaborative depression studies III-Pilot
- M RO1MH-25515-01 Collaborative biological research on schizophrenia
- PO1MH-25515-01 0007 Collaborative biological research on schizophrenia - Studies of central serotonin-neurons with dihydroalated tryptamines (rats, cats)
- ** PO1MH-25515-01 0008 Collaborative biological research on schizophrenia - Regional effects of phenothiazines on dopamine turnover (cats)
- ** PO1MH-25515-01 0009 Collaborative biological research on schizophrenia - Neurological effects of phenothiazines on the mesolimbic dopamine pathway (rats)
- PO1MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)
- PO1MH-25515-01 0011 Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
- ** RO3MH-25630-01 Organization of lower brainstem behavioral systems (cats)
- RO3MH-25782-01 Hormonal mechanisms in aggression (gerbils)
- RO1MH-25845-01 Sleep mentation and functional hemispheric asymmetry
- RO3MH-25920-01 Circadian patterns in courtship behavior (lovebirds)
- RO3MH-26113-01 Effects on the reinforcing value of brain stimulation (rats)
- RO3MH-26151-01 Hormonal control of drinking and brain systems (rats)
- RO1NS-00616-20 Performance tests in cerebral disease (human)
- RO1NS-01310-18 Psychophysical characteristics of hearing disorders (human)
- RO1NS-02812-14 Chronic focal epileptogenic lesions and deep structures (animals)
- RO1NS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
- RO1NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)

(contd)

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** ROINS-03469-13 Neurological bases of feeding and drinking (rats)
 ROINS-03606-13 Learning, perception and neural integration (monkeys)
 ROINS-03950-12 Sensory processes (horse shoe crab)
 POINS-04053-12 0011 Epilepsy - Behavioral physiology (monkeys)
 ROINS-04755-11 Parameters of cutaneous communication (human)
 ROINS-04989-11 Integration of sensory input (clams, crayfish)
 ROINS-05237-11 Physiology of auditory and vestibular systems (monkeys)
 ROINS-05423-10 Neural basis of behavior (crayfish)
 ROINS-05464-10 Perception of complex auditory stimuli by the deaf (human)
 ROINS-06673-09 Neuromechanics (frogs, toads)
 ROINS-06911-07 Brain catecholamines in defense reaction (rats, cats)
 ROINS-06947-08 Bioelectric studies of cerebral cortex (human, racoons)
 ROINS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
 ROINS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
 ROINS-07270-06 Loudness summation over space, time, and frequency (human)
 ROINS-07484-07 Humoral factors and brain metabolism in sleep (rats, goats)
 ROINS-07615-14 New measures of aphasic symptom variables (human)
 ROINS-07664-07 Control of MSH release and role of MIF (frogs, rats)
 ROINS-07687-07 Hunger, thirst and water metabolism (rabbits)
 ROINS-07726-08 Sensory cortex (primates, opossum, hedgehog)
 ROINS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
 ROINS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
 ROINS-07941-05 Limbic system in hypothalamic aggression (cats)
 ** ROINS-08108-07 Escape reflex-Physiology of habituation (crayfish)
 ** ROINS-08208-09 Laterality of sensory and motor functions (children and adults)
 ROINS-08811-05 Auditory aberrations of multiple sclerosis (human)
 ROINS-09074-05 Generation of neuronal output patterns (crickets)
 ROINS-09131-04 Molecular processes in memory storage (mice)
 ROINS-09135-05 Studies in distractibility (children)
 ROINS-09140-04 Internal sensing systems and drinking behavior (rats)
 ROINS-09603-04 The biochemical effects of sensory deprivation (chicks)
 ROINS-09696-04 Neural control of discrete behavioral processes (snails)
 ROINS-09733-04 Biochemical characterization of habituation (protozoa)
 ROINS-09755-05 Information processing in the brain
 ** ROINS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)
 ROINS-09783-04 Parameters of cutaneous coding and pattern perception (human)
 ** ROINS-10409-01 Behavioral role of the cerebellum (rats)
 ROINS-10414-03 Organization of central auditory system (cats, monkeys)
 ROINS-10448-03 Meniere's disease-Surgery for conservation of hearing (human)
 ROINS-10819-01 Neonatal brain damage and vision (rats)
 M ROINS-11138-02 Chemical mechanism in corpus striatum and behavior
 ROINS-11138-02 0002 Chemical mechanism in corpus striatum and behavior - Conditional discrimination performance and dorsal head of striatum (rats)
 ROINS-11138-02 0003 Chemical mechanism in corpus striatum and behavior - Somatosensory discrimination learning and medial striatal mechanisms (rats)
 ROINS-11138-02 0004 Chemical mechanism in corpus striatum and behavior - Visual pattern discrimination and striatal functions (rats)
 ROINS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)
 ** ROINS-11199-01 Evoked and emitted potentials and time estimation (human)
 POINS-11255-01 Comparative neurobiology (aplysia, fish, sea lions)
 ** ROINS-11517-01 Behavioral thermoregulation-Role of the brainstem (monkey)
 ROINS-11616-02 Study of olfaction in the rat
 ** ROINS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
 ** ROINS-11639-01 Hemispheric specialization for cognitive mode
 ROINS-11657-01 Relations between L & R hemispheric specializations (human)
 ROINS-11779-01 Hemisphere integration and specialization (cats)
 ROZNU-00401-03 A study of the communicative interaction process (human)
 ROZNU-00430-03 Altering patients responses to threatening events
 ROZNU-00485-01 Nurses' physiological rhythms and mental efficiency
 ROLOH-00364-03 Effects of impulse noise on the auditory system (chinchillas)
 MOIRR-00055-13 0062 General clinical research center - Operant conditioning of gastric acid secretion (human)
 MOIRR-00069-12 0074 General clinical research center, children - Psychobiological evaluation of osteogenesis imperfecta
 MOIRR-00076-12 0001 General clinical research center - Regulation of human blood pressure (human)
 MOIRR-00076-12 0067 General clinical research center - Blood pressure conditioning and 24 hour blood pressure values (human)
 ** POGRR-00166-14 Regional primate research center at University of Washington
 ** POGRR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 MOIRR-00628-04 0035 General clinical research center for children - Physiological effect of music on newborns

PSYCHODELIC DRUGS
 SEE PSYCHOPHARMACOLOGICAL AGENTS, PSYCHODELIC DRUGS

PSYCHODIDS
 SEE ARTHROPODS, INSECTS, DIPTERA, PSYCHODIDS*

PSYCHODRAMA
 SEE PSYCHOTHERAPY, PSYCHODRAMA

PSYCHOTROPICS
 SEE PSYCHOPHARMACOLOGICAL AGENTS, PSYCHOTROPIC DRUGS

PSYCHOALVANIC SKIN RESPONSE
 SEE ELECTRICAL MEASUREMENTS, GALVANIC SKIN RESPONSE

PSYCHOGENETICS-BEHAVIORAL GENETICS
 M ROIDA-01057-01 Drugs of abuse-Pharmacokinetics, metabolism and response
 ** ROIDA-01057-01 0002 Drugs of abuse-Pharmacokinetics, metabolism and response - A twin study of response to amphetamine (human)
 ** ROIGM-07495-13 The genetics and physiology of behavioral differences (mice)
 ** POIGM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
 ** POIGM-15253-08 0032 Genetics in medicine-Gene action in man - Pharmacogenetics of nervous system pathways
 ** ROIGM-18907-03 Population fitness- Genic and cytoplasmic determinants
 ** ROIGM-19583-01 Behavior genetics-Phototaxis-geotaxis in Drosophila
 ROIGM-21266-01 Genetic analysis of avoidance behavior in mice
 M ROIHD-00325-18 Longitudinal and related psychohormonal studies
 ** ROIHD-02274-08 0134 Mental retardation and child development - Primate model for genetic susceptibility to abnormal behavior (monkeys)
 ** ROIHD-02881-07 0001 Developmental and behavioral neuroendocrinology - Prenatal studies (mice)
 ** ROIHD-03110-07 0035 Child development and mental retardation - Mapping genes influencing behavioral and mental traits in man
 ** ROIHD-03742-06 Sex linked traits in Turners syndrome-Family study
 ** ROIHD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
 ** ROIHD-05860-03 Environment, genetics and pheromonal ovulation (mice)
 ** POIHD-06276-03 0021 Mental retardation research program - Psychophysiological and behavioral differences (adults, infants)
 ** POIHD-06276-03 0022 Mental retardation research program - Sex chromosomes abnormalities and behavior variation
 ** POIHD-06276-03 0029 Mental retardation research program - Psychological aspects of single gene alteration metabolic diseases (children)
 ** ROIHD-06648-02 A family study of the genetics of special abilities
 ** ROIHD-06669-02 Genetic and environmental bases of human cognition
 ** ROIHD-06770-02 Development of a behavioral phenotype (quail)
 ** ROIHD-07200-01 Heritability and mental development
 ** ROIHD-08016-01 Behavior genetic studies of adoptive and natural families
 ** ROIMH-03859-13 0001 Developmental-interactive aspects of hypnosis - Developmental aspects of hypnosis
 ROIMH-04000-14 Determinants of species-Specific behavior (dogs, rodents, quail)

** ROIMH-04151-14 0009 Psychology and physiology of sleep - Genetic determination of sleep in mice
 ROIMH-05683-12 Childhood psychopathology process and overt symptomatology
 POIMH-08618-10 0041 Biological studies of psychotic disorders - Studies of oldemethylase (human)
 POIMH-08618-10 0042 Biological studies of psychotic disorders - Studies of N-acetylase (rats, human)
 ** POIMH-11668-09 0007 Psychosocial factors in health and disease - Identical twins with leukemia
 POIMH-11668-09 0003 Psychosocial factors in health and disease - Rheumatoid arthritis
 POIMH-13002-06 0019 Clinical and laboratory studies of affective disorder - Onset of affective disorders in a normal population
 ** POIMH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder
 ROIMH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
 ROIMH-16127-06 0001 Muscle enzyme release in the acute psychoses - Clinical-chemical correlations (human)
 ROIMH-16127-06 0002 Muscle enzyme release in the acute psychoses - Additional evidence for muscle abnormalities (human)
 ** POIMH-16674-06 0039 A program of psychiatry-oriented biological research - Monozygotic concordance and heritability in schizophrenia
 ROIMH-16899-05 Development of behavior and genetics (mice)
 ROIMH-17960-05 Chromosome abnormality and behavioral variation (human)
 ROIMH-18075-05 A comprehensive study of 47, XYY male offenders (human)
 ROIMH-18144-04 The varied response to mother-loss in two species (monkeys)
 ** ROIMH-18857-02 Offspring of psychotic women (Sweden)
 ROIMH-19560-04 Prospective study of children of schizophrenic parents
 ** ROIMH-20712-03 Adoption studies on affective disorder (human)
 R13MH-21186-02 Conference and visitations for risk research groups
 ** POIMH-21586-02 Biogenetic studies of the affective disorders
 ROIMH-21989-03 Studies of psychological differentiation (human)
 ROIMH-22438-02 The GABA system in schizophrenia (Drosophila, mice, human)
 POIMH-22836-02 Children and families vulnerable to mental disorders
 ROIMH-22840-02 Deviant development of infants of schizophrenics
 ROIMH-23556-02 Infant physiological and behavioral fear expression (human, cats)
 ** ROIMH-23642-02 Some genetic and social factors in cognitive traits
 R12MH-23864-02 CRB NMH collaborative depression studies II-SADS
 ROIMH-23884-02 Determinants of mental health (children)
 ** RO3MH-23976-01 Behavior genetic variability (mice)
 ROIMH-24189-01 Epidemiology-Mania, depression and schizophrenia
 ROIMH-24393-02 0005 MHPG excretion, catecholamine metabolism, and depression - Low MHPG excretion associated with depression-A state or trait variable
 ROIMH-24588-01 A genetic epidemiologic study of presenile dementia
 ROIMH-24819-01 A short term developmental study of children at risk
 ROIMH-25116-01 MAO, DBH and ATPase in psychosis (human)
 ROIMH-25283-01 Social behavior-Ecology of populations (birds)
 ** ROIMH-25311-01 Gene-environment interactions and criminality
 R12MH-25416-01 CRB NMH collaborative studies II-Pilot
 RO3MH-25425-01 Neuropsychology of territorial behavior (gerbils)
 R12MH-25430-01 CRB NMH collaborative studies III-Pilot
 R12MH-25447-01 CRB NMH collaborative depression studies II-Pilot
 R12MH-25478-01 CRB NMH collaborative depression studies III-Pilot
 ** ROIMH-25521-01 Genetics of manic depressive illness-Bipolar type
 ROIMH-25568-01 Clinical and experimental study of human obesity
 ROINS-07442-08 Physiology of synapses in normal and mutants
 ROINS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
 ROINS-08208-09 Laterality of sensory and motor functions (children and adults)
 ROINS-11786-01 Genetics of human behavioral disorders-Stuttering
 MOIRR-00060-13 0036 General clinical research center - Imipramine and methylphenidate in hyperactive children (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PSYCHOLINGUISTICS

SEE INFORMATION-COMMUNICATION BEHAVIOR, PSYCHOLINGUISTICS

PSYCHOLOGIC STRESS

SEE ALSO PSYCHIC SHOCK
SEE ALSO PSYCHOLOGY ABNORMAL, PSYCHOPHYSIOLOGIC DISORDERS

** R01AA-00185-03 Drinking and social stress in driving of young adults
P01AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
R01AA-00215-08 Habituation to alcohol (rats)
R01AA-00293-03 Alcohol and behavior-A genetic and biochemical study (rodents, monkeys)
** R01AA-00302-02 0004 Alcohol, tolerance and memory - Taste or systemic effects in consumption of alcohol under stress (rats)
R01AA-00312-03 0008 Acute and chronic gastric mucosal injury due to alcohol - Other causes for acute gastric mucosal lesions and bleeding in acute alcoholics
** R01AA-00391-01 Effects of alcohol on neurogenic behavior (monkeys)
R01AA-00495-02 Development of a structural evaluation of drunk drivers
R01AA-00498-03 0011 Clinical studies of alcohol use and abuse - Biogenic amines and alcohol (human, mice)
R18AA-00824-02 Children of alcoholics
R03AA-01238-01 Analysis of the effects of alcohol on conflict (rats)
N01AA-30113-00 Relationships between alcohol consumption and heart disease
R01AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)
R01AM-10558-09 0014 Peptide hormones affecting calcium metabolism - Hypocalcemic response to TC in rats from stress
R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons (dogs))
P02CA-05826-13 0053 Clinical cancer research center - Human growth hormone in controlling massive hemorrhage from stress erosions
P02CA-05826-13 0068 Clinical cancer research center - Gastrointestinal manifestations of malignant lymphoma
P02CA-05826-13 0092 Clinical cancer research center - Pediatric oncology-psychopathological family constellations
** P02CA-06518-11 0021 Radiation and radiobiology research center - Psychological factors affecting recovery from malignant tumors
R10CA-07190-12 Eastern cooperative oncology group
R01CA-11982-04 Influence of central nervous system on oncogenesis (rats)
** P02CA-13696-02 0047 Clinical cancer research center - Psychiatric liaison with surgery service (human)
** P02CA-13696-02 0048 Clinical cancer research center - Psychiatric liaison with radiotherapy department (human)
** P02CA-13696-02 0049 Clinical cancer research center - Psychiatric liaison with cancer research unit (human)
R01CA-14104-02 Suicide and other coping behavior of cancer patients
M P01CA-15936-01 Specialized Cancer Center
** P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
P01CA-15936-01 0015 Specialized Cancer Center - Psychological aspects of cancer (human)
** P01DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
R01DA-00296-01 Effects of acute and chronic methadone treatment (rats)
P01DA-01080-01 Psychosocial investigation of drug abuse in industry
P13DE-02731-08 0011 Development support for dental research institute - Dental research bioengineering (human)
P01GM-16496-06 0042 Clinical pharmacology-Pharmacokinetics - Hemodynamic and pharmacologic studies in the primate laboratory
R01HD-00622-10 Human chromosomal defects-Epidemiology and etiology
R01HD-00778-10 Role of the brain in male and female reproduction (rats)
P01HD-02274-08 0012 Mental retardation and child development - Behavioral research (monkeys)
P01HD-02274-08 0135 Mental retardation and child development - Psychological correlates of cerebral lesions in children
R01HD-03591-07 Experimental and innate factors in early development (humans)
R01HD-03778-06 The development of social motivation (dogs)
** P01HD-04335-06 Brain-behavior relationships in mental retardation
P01HD-04510-06 0003 Center for research in human development - Center for community studies
R01HD-05665-03 Relocation in old age-Health and psychosocial impact
** R01HD-05668-03 Effect of overcrowding malnutrition on growth (rats)
R01HD-05902-04 Aging in monkeys

** P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
** R01HD-06272-02 Psychological effects of voluntary vasectomy
P01HD-06276-03 0032 Mental retardation research program - Family adaptation to children with mental retardation or fatal diseases
R01HD-07043-01 Pheromonal communication (rats, mice)
** R01HD-07118-01 Life change events in seeking elective abortion
R01HD-07186-01 Economic and non-economic determinants of migration
R01HD-07545-01 Antecedents and consequences of overcrowding
R01HD-07551-01 Child spacing and family size in population planning
R01HD-08286-00 Fertility change after baby boom
** R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
R01HL-04741-15 Central nervous control of cardiovascular function (primates)
** R01HL-05711-13 Pressor mechanisms in hypertension (human)
** P01HL-06336-14 0003 Cardiovascular program project - Influence of cold exposure on coronary dynamics
** P01HL-06349-13 0008 Cardiovascular disease clinical program project - Angiotensin and renin secretion in prehypertensive adolescents
M P01HL-06945-13 Psychogenic factors in cardiovascular functions
** P01HL-06945-13 0002 Psychogenic factors in cardiovascular functions - Cardiovascular responses to behavioral stress (baboons, dogs)
P01HL-06945-13 0004 Psychogenic factors in cardiovascular functions - Environmental-behavioral influences on cardiac contractility (monkeys)
P01HL-09814-09 0035 Research program - Cardiovascular and related disease - Life-change study (human)
P01HL-09814-09 0043 Research program - Cardiovascular and related disease - Relation of serum glucagon to insulin levels in inappropriate insulin responses
** P01HL-10098-10 0031 Primates in cardiovascular research - Cardiovascular physiology
R01HL-13033-05 Neural cardiovascular control (dogs, monkeys)
M P01HL-13108-05 Clinical heart transplantation
** P01HL-13108-05 0007 Clinical heart transplantation - Psychological and social evaluation (human)
R01HL-13334-05 Protective mechanisms in shock (rabbits, rats)
** R01HL-13454-04 Behavioral stress and cardiomyopathy (monkeys, rats)
P17HL-14150-04 0011 Specialized center of research in hypertension - Exercise in the rhesus monkey
** P17HL-14214-04 0011 Neonatal lung center - Long-term separation and attitudes, behavior of parents and HMD infants
** R01HL-15027-01 Hemodynamics of psychosocial-stress hypertension (rats)
** P17HL-15103-03 0006 Specialized center of research-arteriosclerosis - Bogalusa family studies-Behavioral stress factors (human)
R01HL-15399-02 Behavioral factors in coronary heart disease
R01HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
M R01HL-16531-01 Clinical cardiology-Emphasis hypertension
R01HL-16531-01 0001 Clinical cardiology-Emphasis hypertension - Hypertension proneness-Long term study of risk factors in young black americans
** R01HL-16531-01 0002 Clinical cardiology-Emphasis hypertension - Blood pressure and catecholamines in prediction of hypertension
P01HS-00467-06 Community child health studies
** R01MH-01293-18 Measurement of drive and conflict (human)
R01MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
** R01MH-07995-11 0001 Heart rate conditioning - Hypertensives exposed to stress reaction time tasks (human)
R01MH-07995-11 0004 Heart rate conditioning - Experimental hypertension using shock avoidance procedures (dogs)
** R01MH-07995-11 0006 Heart rate conditioning - Sympathetic influences on heart rate during stress (human)
** P01MH-08618-10 0039 Biological studies of psychotic disorders - Guaiacol-O-methyltransferase (GOMT) (rats, mice)
P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)
** P01MH-08667-10 0011 A longitudinal epidemiology of impaired competence - Color conformity and the mentally retarded-Social pressure
R01MH-08744-10 Coping behavior in schizophrenia
R01MH-10179-09 Regulation of food intake (monkeys)
P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care

P01MH-11668-09 0026 Psychosocial factors in health and disease - Women with ischemic stroke
P01MH-11668-09 0039 Psychosocial factors in health and disease - Conversion as a prolude to multiple sclerosis
P01MH-11668-09 0040 Psychosocial factors in health and disease - Psychosomatic disorders among university students
** P01MH-11668-09 0050 Psychosocial factors in health and disease - Arteriosclerosis-Developmental determinants of the pressured pattern
P01MH-11668-09 0064 Psychosocial factors in health and disease - Psychiatric registry follow-up of hysterectomy or sterilization
** P01MH-11668-09 0069 Psychosocial factors in health and disease - Morbidity and mortality related to reactions during cardiac catheterization
** P01MH-11668-09 0072 Psychosocial factors in health and disease - Donor selection for renal transplantation
** P01MH-11668-09 0090 Psychosocial factors in health and disease - Giving-up and disease onset in a 'non-sick' population
R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
P01MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
P01MH-13002-06 0022 Clinical and laboratory studies of affective disorder - Psychiatric disorders in hemodialysis
P01MH-13002-06 0023 Clinical and laboratory studies of affective disorder - Unwanted pregnancy, abortion and affective disorders
P01MH-13002-06 0024 Clinical and laboratory studies of affective disorder - Depressive symptoms during pregnancy and puerperium
P01MH-13002-06 0028 Clinical and laboratory studies of affective disorder - Completed suicide and the menstrual cycle
P01MH-13002-06 0031 Clinical and laboratory studies of affective disorder - Attempted suicide-Treatment and outcome
R01MH-13186-08 LSD, psychogenic procedures and brain neurohumors (rats, mice, cats)
R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
** R01MH-14806-08 Maturation reform and rural delinquency (human)
M R01MH-15976-05 Stress and mechanisms of immunity
** R01MH-15976-05 0001 Stress and mechanisms of immunity - Cellular and humoral aspects of antibody formation and graft vs host response (r
** R01MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)
** R01MH-15976-05 0003 Stress and mechanisms of immunity - Effect of hypothalamic stimulation and ablation (rats)
R01MH-17377-05 Early experience and development of behavior (rats)
** R01MH-18070-05 Experimental depression induced in infant monkeys
R01MH-18136-04 Molecular approaches to behavior (rats)
** R01MH-18260-05 Psychiatric impairment in urban children over time
R01MH-18819-04 Precursors of suicide and other premature deaths
R01MH-18856-04 Control of the subjective intensity of sensation (human)
R01MH-19463-03 A monitor service to families of the emotionally ill
R01MH-20369-03 Effectiveness of individual psychotherapy
** R01MH-20708-03 Prevalence of psychological distress and help-seeking
R01MH-20764-03 From need to service-A health center as gatekeeper (human)
R01MH-21336-03 Families of children with psychosomatic problems
R01MH-21384-03 Psychologic and neural factors in cardiac arrhythmias (dogs, human)
** R01MH-21568-03 Group stress and the use of power
R01MH-21892-02 Biochemical studies of depression in primate models
R01MH-22803-02 Social-affective development in infancy (human)
** R01MH-23133-02 Oxygen consumption and the effects of behavioral stress (baboon)
R01MH-23419-02 Development of aggression and predation (mice)
R01MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
** R01MH-23580-01 Cortisol excretion rates and stress in infants (human)
R01MH-23628-02 Psychophysics of muscle tension in mental patients
P01MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
** R01MH-23900-02 Stress, ownership and pathology in urban dirty work
R01MH-24014-02 Black families of prisoners

(contd)

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
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** R01MH-24341-02 Cognitive response to psychological stress (human)
 R01MH-24592-01 Models of madness in antiquity (Greece)
 R01MH-24677-01 The social organization of psychological disorder
 ** R01MH-24819-01 A short term developmental study of children at risk
 R01MH-24887-01 Attitudes of married women towards work and families
 R01MH-24959-01 Strategies of coping in institutional environments
 R01MH-25104-01 Raynaud's disease—Behavioral analysis and treatment
 R01MH-25116-01 MAO, DBH and ATPase in psychosis (human)
 ** R01MH-25133-02 0005 Steroid hormones in depressive illness - Plasma testosterone (human)
 R01MH-25172-01 Preparation for childbirth and family relationships
 ** R01MH-25279-01 Life change events, risk factors and chronic disease
 ** R01MH-25280-01 Early life stress, risk factors and chronic disease
 R03MH-25353-01 Maternal behavior and early experience (rats)
 R12MH-25416-01 CRB NIMH collaborative studies III—Pilot
 R12MH-25430-01 CRB NIMH collaborative studies III—Pilot
 R12MH-25447-01 CRB NIMH collaborative depression studies III—Pilot
 R03MH-25461-01 Life events, stress, and mental distress
 R12MH-25478-01 CRB NIMH collaborative depression studies III—Pilot
 R01MH-25521-01 Genetics of manic depressive illness—Bipolar type
 R03MH-26004-01 Silver Valley flood—Social psychological effects
 ** R01MH-26098-01 Stress, crowding and blood pressure in prison
 R01MH-26099-01 Mental health service utilization by Mexican Americans
 R01MH-26239-01 Human self regulation
 R01NS-01941-16 Neurophysiology of food intake (rodents)
 R01NS-09140-04 Internal sensing systems and drinking behavior (rats)
 R01NS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)
 ** R01NS-09800-03 Regulation of ACTH—Role of neural inhibition (rats)
 ** R02NU-00430-03 Altering patients responses to threatening events
 R02NU-00455-02 Experimental trials of the nursing process (dogs)
 ** R02NU-00480-01 Psychosocial factors in illness outcome
 R02NU-00497-01 Nurses' inferences of suffering
 R02NU-00510-01 Preparation and hospitalized children's adjustment
 ** P07RR-00015-12 0104 Medical school computer facility - Stress among undergraduates
 ** M01RR-00031-14 0064 General clinical research center - Renal response to mental stress (human)
 M01RR-00240-10 0067 General clinical research center—Children - Psychosomatic aspects in juvenile diabetes
 ** M01RR-00349-08 0060 General clinical research center - Evaluation of stress during learning of surgical skills (human)
 M01RR-00645-03 0041 Clinical research center - Control of nitrogen metabolism in pediatric patients
 ** R01RR-00902-01 Physiology and behavior in caged random source dogs

PSYCHOLOGICAL ADAPTATION

R01AA-01372-01 Natural history of alcohol abuse (urban males)
 R07A-10050-14 0004 International center for medical research - Social and behavioral sciences (human)
 P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
 M01AM-42216-00 Multivariate analysis of dialysis efficacy, relation to access methods (human)
 R01DA-01053-01 Community variations in Chicano ex-addict adaptations
 P01DA-01080-01 Psychosocial investigation of drug abuse in industry
 R01HD-00325-18 0002 Longitudinal and related psychohormonal studies - Adult erotic function in female hermaphrodites
 R01HD-00325-18 0003 Longitudinal and related psychohormonal studies - Turner's syndrome hormonal therapy and erotic function of adults
 R01HD-00325-18 0008 Longitudinal and related psychohormonal studies - Women with vaginal atresia
 P01HD-04612-06 0024 Mental retardation research center - Adaptive behavior of mentally retarded in residential settings
 P01HD-05124-04 0002 Mental retardation—Behavioral and neurologic aspects - Total learning environment for autistic children
 ** P01HD-05540-03 0003 Development of the mentally retarded - Quality of life in residential facilities

R01HD-05665-03 Relocation in old age—Health and psychosocial impact
 ** P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 ** P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 R01HD-06272-02 Psychological effects of voluntary vasectomy
 ** R01HD-06830-03 Effect of therapeutic abortion on unmarried women
 ** R01HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
 ** R01HD-08458-01 Cognitive behavior in maturity and old age
 R01HD-08497-01 Fertility and assimilation of the foreign-born
 P01MH-11668-09 0007 Psychosocial factors in health and disease - Identical twins with leukemia
 ** P01MH-11668-09 0063 Psychosocial factors in health and disease - Outcome of induced abortion of wanted pregnancy
 ** P01MH-11668-09 0070 Psychosocial factors in health and disease - Psychologic and hormonal reaction to hemolysis and renal transplantation
 P01MH-11668-09 0073 Psychosocial factors in health and disease - Myocardial infarct—Morbidity and mortality in widows
 P01MH-11668-09 0090 Psychosocial factors in health and disease - Giving-up and disease onset in a 'non-sick' population
 ** R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
 R01MH-15008-06 Treatment deployment for chronic psychotics
 R01MH-16817-05 Cognitive hierarchies
 ** R01MH-18856-04 Control of the subjective intensity of sensation (human)
 R01MH-19617-04 Quantitative studies of primate social groups (baboons)
 ** R01MH-19649-03 The impact of mental illness on the family (human)
 ** R01MH-19722-04 Adaptive function of electrodermal activity (human)
 R01MH-19915-03 The development of a picture test of values (human)
 ** R01MH-21275-02 Pathologic and adaptive response to human sleep loss
 R01MH-22719-03 Native American children—The urban way
 P01MH-22836-02 Children and families vulnerable to mental disorders
 R01MH-22883-02 Role of autotetic experiences in adult development
 P01MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
 ** R01MH-23533-01 Early experience, development, and adaptation (rats, mice)
 R01MH-23755-01 Longitudinal study—Intermediate housing for elderly
 P01MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
 ** R01MH-24213-01 Adaptive behavior and limbic functions
 R01MH-24341-02 Cognitive response to psychological stress (human)
 R01MH-24344-01 Sensory processing and adaptive behavior (cats)
 R03MH-24420-01 Perceptual change in visual orientation and direction
 ** R03MH-24509-01 Generalization of conditioned adaptation (human)
 R01MH-24795-01 Household settings—Life styles and mental health
 R01MH-24819-01 A short term developmental study of children at risk
 ** R01MH-24959-01 Strategies of coping in institutional environments
 R01MH-25834-01 Social change in the family and life course
 R01MH-25855-01 Proprioception and cognitive disorders in schizophrenia
 R01MH-26098-01 Stress, crowding and blood pressure in prison
 ** R01NS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
 ** R01NS-07873-07 A psychophysical study of gustatory adaptation
 ** R01NS-11616-02 Study of olfaction in the rat
 R01NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
 ** R02NU-00430-03 Altering patients responses to threatening events

PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR

SEE ALSO PSYCHOLOGY, DEFENSE MECHANISMS
 R01AA-00180-02 Religion, ethnicity and family response to alcoholism
 R18AA-00824-02 Children of alcoholics
 R18AA-01477-01 Community alcoholism services poverty program

P02CA-13696-02 0050 Clinical cancer research center - Psychiatric study of children with terminal illness (human)
 ** R01CA-14104-02 Suicide and other coping behavior of cancer patients
 P01HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
 R01HD-03591-07 Experimental and innate factors in early development (humans)
 ** P01HD-05027-05 0010 Developmental psychology - Teaching techniques
 P01HD-05540-03 0004 Development of the mentally retarded - Measurement of adaptive behavior
 P01HD-06276-03 0032 Mental retardation research program - Family adaptation to children with mental retardation or fatal diseases
 R01HD-07118-01 Life change events in seeking elective abortion
 R01HD-07551-01 Child spacing and family size in population planning
 R01HD-07739-01 Decision making on unplanned pregnancies
 P01HL-09814-09 0033 Research program—Cardiovascular and related disease - Anger-quit and health factors (human)
 P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
 P17HL-14187-04 0004 Center for lung research - Rehabilitation parameters in chronic pulmonary disease (human)
 P17HL-15103-03 0006 Specialized center of research—arteriosclerosis - Bogalusa family studies—Behavioral stress factors (human)
 P18HL-15160-03 0007 Comprehensive sickle cell disease center - Socioeconomic aspects of sickle cell disease
 R01HS-01189-02 Help-seeking experiences and agency characteristics
 ** R01MH-08744-10 Coping behavior in schizophrenia
 ** P01MH-11668-09 0010 Psychosocial factors in health and disease - Psychosocial aspects of hemodialysis and renal transplantation
 ** P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
 ** P01MH-11668-09 0032 Psychosocial factors in health and disease - Life crisis involving hysterectomy or abortion
 ** P01MH-11668-09 0034 Psychosocial factors in health and disease - Psychological adaptation in multiple sclerosis
 P01MH-11668-09 0039 Psychosocial factors in health and disease - Conversion as a prelude to multiple sclerosis
 P01MH-11668-09 0084 Psychosocial factors in health and disease - Behavioral aspects of genetic counseling
 ** P01MH-11668-09 0097 Psychosocial factors in health and disease - Evaluating the coping patterns of cancer patients
 R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
 R01MH-15521-06 Problem solving behavior of family (human)
 ** R01MH-15606-07 Adaptive behavior in varied high school environments
 R01MH-15867-05 Crisis intervention—Model for prevention (human)
 ** R01MH-17312-05 Antecedents of competence
 ** R01MH-18144-04 The varied response to mother-loss in two species (monkeys)
 R01MH-18846-03 Outcome of crisis intervention treatment
 R01MH-20802-03 Comparative drug treatment for hyperactive children
 R01MH-21146-03 Steppathers and the mental health of their children
 R01MH-21423-03 Locus of control and intellectual development (children)
 ** R01MH-22299-01 Anticipatory coping and stress responses (human)
 ** R01MH-24596-01 Coping with novelty—The roots of mastery or of fear
 ** R01MH-24804-01 Respondent mentation and responses to life situations
 R01MH-25172-01 Preparation for childbirth and family relationships
 R01MH-26099-01 Mental health service utilization by Mexican Americans
 R01MH-26239-01 Human self regulation
 R02NU-00510-01 Preparation and hospitalized children's adjustment

PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
 R01AA-00232-06 Socialization of problem behavior in youth
 N01AA-30103-00 Study alcohol effects on old age (phase II)
 ** P01CA-15936-01 0015 Specialized Cancer Center - Psychological aspects of cancer (human)
 R01DA-00975-01 Treatment for substance abuse program dropouts
 P01HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys) (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RO1HD-05852-03 Migration of negroes to the south
 RO1HD-05952-03 Follow-up of abortion or motherhood in adolescence
 ** P18HL-15166-03 0008 Comprehensive sickle cell disease center - Familial psychosocial aspects of sickle hemoglobin
 RO1HL-15790-02 Follow-up study of acute coronary heart attacks
 P18HL-15997-02 0001 A comprehensive hospital-community sickle cell center - Education
 RO1MH-04618-12 Psychotherapy of psychiatric outpatients
 RO1MH-11440-07 Experimental studies in childhood schizophrenia
 ** PO1MH-11668-09 0006 Psychosocial factors in health and disease - Permanent cardiac pacemakers
 ** PO1MH-11668-09 0010 Psychosocial factors in health and disease - Psychosocial aspects of hemodialysis and renal transplantation
 ** PO1MH-11668-09 0032 Psychosocial factors in health and disease - Life crisis involving hysterectomy or abortion
 RO1MH-18471-04 Verbal interaction project (human)
 RO1MH-20660-03 Physical distance and social interactions (human)
 RO1MH-21275-02 Pathologic and adaptive response to human sleep loss
 ** RO1MH-21304-03 Philadelphia assault victim study
 RO1MH-21344-02 Home vs hospital care of behavior disordered children
 ** RO1MH-22856-03 Preparing children for hospitalization
 R12MH-23924-01 Maintaining the growing edge (human)
 RO1MH-24216-01 The social effects of divorce and divorce law reform (California)
 ** RO1MH-24866-02 Preventive intervention-isolated Navajo families
 RO1MH-25172-01 Preparation for childbirth and family relationships
 RO1MH-25935-01 Social competence and behavior style in mental patients
 RO2NU-00369-04 Action program in nursing research facilitation
 RO2NU-00472-02 Cooperation in home dialysis triads and patient outcomes
 RO2NU-00510-01 Preparation and hospitalized children's adjustment
 MO1RR-00040-14 0090 General clinical research center - Patient needs and responses
 MO1RR-00075-11 0061 General clinical research center for children - Effects of isolation of newborn infants in a sterile environment

PSYCHOLOGICAL TESTS (GENERAL)*

SEE ALSO NEUROPSYCHOLOGICAL TESTS*
 SEE ALSO PSYCHOMETRICS
 SEE ALSO PSYCHOPHYSICS
 ** R12AA-00209-07 0014 Washington University Alcoholism Research Center - Alcoholism diagnosis (human)
 RO1AA-00311-03 0001 Metabolic and psychological factors in alcoholism - Recovery of slow wave sleep during alcohol abstinence
 ** RO1AA-00311-03 0007 Metabolic and psychological factors in alcoholism - Sleep and cognitive factors in prolonged ad libitum drinking (human)
 ** RO1AA-00311-03 0008 Metabolic and psychological factors in alcoholism - Sleep and cognition in alcohol drinking and withdrawal-Dosage (human)
 ** RO1AA-00311-03 0021 Metabolic and psychological factors in alcoholism - Vigilance effects-Modification of procedures
 ** RO1AA-00495-02 Development of a structural evaluation of drunk drivers
 R18AA-00605-03 Services for problem drinking drivers
 ** RO1CA-15459-02 Psychological effects of cranial irradiation (human)
 RO1DA-00067-04 Marijuana effects on lung and electroencephalogram (human)
 NO1DA-30181-00 Clinical study of tolerance to marijuana (men)
 ** NO1DA-39219-00 Prediction scales of the intervention type in human drug users and abusers
 NO1DA-30227-00 Prediction scales of the prevention type in human drug users and abusers
 ** PO1DE-01697-12 0013 Interdisciplinary studies in cleft palate - Peabody picture vocabulary test
 PO1DE-01697-12 0020 Interdisciplinary studies in cleft palate - Behavioral studies of otitis media
 PO1DE-01899-12 0004 Habilitation of the cleft palate individual - Psychological studies (children, parents)
 RO1DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)
 PO1GM-10402-12 0021 Zoophysiology in Alaska - Extended work periods in arctic cold (human)
 ** PO1HD-02528-08 0041 Research center in mental retardation - Recording and sequencing of preacademic skills
 PO1HD-02528-08 0064 Research center in mental retardation - Psychoacoustics and auditory discrimination
 ** PO1HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
 ** PO1HD-03352-07 0025 Wisconsin center on mental retardation - Grammatical comprehension (children)
 PO1HD-04024-06 0008 Mental retardation research center - Developmental pediatrics

PO1HD-04510-06 0006 Center for research in human development - Research alliance with HWCR institute in Jerusalem (human)
 ** RO1HD-06266-02 Psychological factors and fertility behavior in women
 RO1HD-06272-02 Psychological effects of voluntary vasectomy
 RO1HD-06666-01 Carolina infant vocalization project
 RO1HD-07073-02 Assessment and modification of parental teaching style
 PO1HD-07256-03 0009 Child health and development studies - Developmental data on 5-year-old and 9-11-year old children
 PO1HD-08240-01 0001 Developmental processes in children at risk for MR - The orienting response and its habituation
 PO1HD-08240-01 0002 Developmental processes in children at risk for MR - Speech perception
 PO1HD-08240-01 0003 Developmental processes in children at risk for MR - Speech and language in infants-Prediction of behavior at school age
 PO1HD-08240-01 0004 Developmental processes in children at risk for MR - Relationship of conditioning and information processing to intellectual deficit
 NO1HR-42917-01 Extracorporeal support for respiratory insufficiency (human)
 RO1MH-05115-13 Measurement and studies of ego development
 ** RO1MH-05683-12 Childhood psychopathology process and overt symptomatology
 ** PO1MH-08667-10 0009 A longitudinal epidemiology of impaired competence - Structure of the intellect
 M PO1MH-10006-10 Research center for quantitative psychology
 ** PO1MH-10006-10 0004 Research center for quantitative psychology - Models of psychological measurement
 PO1MH-12970-08 0005 What makes man human-Trans or subcortical association - Psychological functions in aphasia (human)
 M PO1MH-12972-08 Research program in personality assessment
 PO1MH-12972-08 0011 Research program in personality assessment - The scaling of choice data (human)
 ** PO1MH-12972-08 0012 Research program in personality assessment - Facet designs for item selection and scale analysis (human)
 ** PO1MH-12972-08 0014 Research program in personality assessment - New procedures for scoring objective tests (human)
 ** RO1MH-14864-08 Automation of the delivery of mental health services
 RO1MH-15442-06 Factors influencing outcomes of psychotherapy (human)
 RO1MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)
 RO1MH-16474-05 Computer interaction in psychological scaling
 RO1MH-16789-04 Evaluation of a community mental health program
 RO1MH-18579-04 Comparative drug effects in hyperkinetic children
 RO1MH-19880-02 Behavioral analysis in a community mental health center
 RO1MH-21222-03 The quality of life following kidney transplantation (human)
 RO1MH-21632-01 Information processing analysis of human memory
 RO1MH-21735-03 The behavioral consequences of androgyny (human)
 ** RO1MH-22294-02 Measuring morale and related concepts
 ** R12MH-23864-02 CRB NIMH collaborative depression studies II-SADS
 PO1MH-23878-06 Cognitive processes and mathematical psychology
 R12MH-23924-01 Maintaining the growing edge (human)
 RO1MH-24283-01 Development of initiative (human)
 ** RO1MH-25080-01 Depressive states and suicide prevention
 CRB NIMH collaborative studies III-Pilot
 R12MH-25416-01 CRB NIMH collaborative studies III-Pilot
 R12MH-25430-01 CRB NIMH collaborative studies III-Pilot
 RO1MH-25438-01 Talent in interpersonal exploration groups (human)
 R12MH-25447-01 CRB NIMH collaborative depression studies III-Pilot
 R12MH-25478-01 CRB NIMH collaborative depression studies III-Pilot
 PO1MH-25515-01 0014 Collaborative biological research on schizophrenia - Biological markers or correlates of schizophrenia
 NO1MH-40077-00 Methodological study for long-term care
 NO1MH-40083-00 Depression rating scales in psychiatric population (human)
 ** NO1MH-40127-00 Development of video methods for measuring changes in mental illness
 ** PO1NS-02808-13 0032 Special clinical research project in neurophysiology - Psychiatric and psychological studies (human)
 PO1NS-09199-04 0002 Effect of L-dopa on synthesis of amines in brain (human, animals) - Psychiatric effects of L-dopa (human)

RO1NS-11216-01 Analysis of short-term memory in the deaf
 MO1RR-00626-02 0069 General clinical research center - Assessment procedures for sexual disorders
PSYCHOLOGICAL TESTS, BEHAVIOR ASSESSMENT-MEASUREMENT*
 SEE ALSO PSYCHOLOGY, BEHAVIOR PREDICTION
 PO1AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
 RO1AA-00293-03 Alcohol and behavior-A genetic and biochemical study (rodents, monkeys)
 ** RO1AA-00498-03 0001 Clinical studies of alcohol use and abuse - Assessing psychotherapeutic and community environments
 RO1DA-00119-03 Soc-psych profiles on drug abusers in therapeutic community
 ** NO1DA-10015-02 Long-term effects of marijuana in chimpanzees
 ** PO1HD-03110-07 0022 Child development and mental retardation - Family research program
 PO1HD-04147-06 0001 Research in mental retardation - Behavioral program (human)
 PO1HD-04612-06 0013 Mental retardation research center - Human and animal vigilance
 ** PO1HD-05540-03 0004 Development of the mentally retarded - Measurement of adaptive behavior
 PO1HD-06276-03 0019 Mental retardation research program - Temporal organization of voluntary behavior (children)
 RO1HL-03429-15 Central nervous system and coronary heart disease (human)
 P17HL-15103-03 0006 Specialized center of research-arteriosclerosis - Bogalusa family studies-Behavioral stress factors (human)
 RO1HL-15399-02 Behavioral factors in coronary heart disease
 RO1MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
 ** PO1MH-08618-10 0031 Biological studies of psychotic disorders - Acquisition of behavioral data (human)
 ** PO1MH-12972-08 0005 Research program in personality assessment - Behavioral assessment instruments (human)
 PO1MH-13369-07 Program for research in psychiatric sociology
 RO1MH-16796-05 Prediction and prevention of reading failure (human)
 RO1MH-17654-04 Patient profiles and differential response to drugs
 ** RO1MH-19989-04 Classification and assessment of suicidal behaviors (human)
 RO1MH-20628-03 Controlled study of an anti-suicide program
 RO1MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
 RO1MH-23645-02 0005 Behavior-hormone changes in adolescence - Behavioral observational techniques (chimpanzee)
 ** RO1MH-24688-01 An optimum A-B scale of psychotherapist effectiveness
 RO1MH-24698-01 Assessment of interpersonal behavior
 RO1MH-26092-01 Dangerousness and psychiatric commitment study
 RO1MH-26131-01 Abnormal mother-infant behavior and child abuse
 ** RO1MH-26232-01 Behavioral approach to marital dysfunction
 ** PO1MS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
 RO2NU-00408-03 Improving quality care through performance ratings
PSYCHOLOGICAL TESTS, CUMULATIVE SCALE*
 RO1MH-16474-05 Computer interaction in psychological scaling
PSYCHOLOGICAL TESTS, GESELL DEVELOPMENTAL SCHEDULES*
 P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
 ** P11GM-16216-06 0029 Toxicological problems of drugs (placental transfer, lactation) - Developmental testing (human infants)
 PO1MH-08667-10 0009 A longitudinal epidemiology of impaired competence - Structure of the intellect
PSYCHOLOGICAL TESTS, HYPNOTIC SUSCEPTIBILITY TESTS*
 RO1DA-00099-03 Marijuana and personality (university students)
 RO1MH-03859-13 0002 Developmental-interactive aspects of hypnosis - Interactive aspects of hypnosis
 RO1MH-18856-04 Control of the subjective intensity of sensation (human)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

PSYCHOLOGICAL TESTS, INTELLIGENCE TESTS*

- R01AM-04837-14 Diet and mental development in galactosemia (human)
- P01GM-19443-03 0034 Problems in clinical genetics - The XYY syndrome (Copenhagen, Denmark)
- R01HD-01831-09 Factors maintaining biochemical polymorphisms
- P01HD-03008-07 0017 Cognition and motivation in the retarded - Evaluation of educational intervention programs
- ** P01HD-03008-07 0018 Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners
- ** P01MH-08667-10 0001 A longitudinal epidemiology of impaired competence - Mental retardation epidemiology - Population movement (human)
- P01MH-08667-10 0004 A longitudinal epidemiology of impaired competence - Characteristics of educationally handicapped children
- ** P01MH-08667-10 0012 A longitudinal epidemiology of impaired competence - Factor structure of the WISC and WAIS for retardates
- ** R01MH-21795-02 Individual differences in cognition
- ** R01MH-24003-02 The black intelligence test as a moderator variable (human)
- ** R01MH-24454-01 Black language - A moderator variable in intelligence
- R01MH-25044-02 Epidemiology of exceptionality in school children

PSYCHOLOGICAL TESTS, MMPI*

- ** R01AA-00311-03 0020 Metabolic and psychological factors in alcoholism - MMPI changes in alcoholics during drinking and sobriety
- P02CA-06518-11 0021 Radiation and radiobiology research center - Psychological factors affecting recovery from malignant tumors
- R01DE-03485-03 Cerebral responses to tooth pulp stimulation in man
- P01NS-10727-02 0001 The pathologies of sleep - A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** P07RR-00267-09 0013 Biomedical data processing unit - MMPI box form scoring

PSYCHOLOGICAL TESTS, PERSONALITY ASSESSMENT-MEASUREMENT*

- SEE ALSO PSYCHOLOGICAL TESTS (GENERAL)*
- SEE ALSO PSYCHOLOGICAL TESTS, MMPI*
- SEE ALSO PSYCHOLOGICAL TESTS, PROJECTIVE TECHNIQUES*
- SEE ALSO PSYCHOLOGICAL TESTS, RORSCHACH*
- SEE ALSO PSYCHOLOGICAL TESTS, THEMATIC APPERCEPTION TEST*
- N01DA-30219-00 Prediction scales of the intervention type in human drug users and abusers
- N01DA-30227-00 Prediction scales of the prevention type in human drug users and abusers
- P01MH-12972-08 0005 Research program in personality assessment - Behavioral assessment instruments (human)
- ** P01MH-12972-08 0006 Research program in personality assessment - Explorations in trait specificity vs generality (human)
- ** P01MH-12972-08 0013 Research program in personality assessment - Exploring new types of item format (human)
- ** P01MH-12972-08 0014 Research program in personality assessment - New procedures for scoring objective tests (human)
- ** P01MH-12972-08 0015 Research program in personality assessment - Personality assessment utilizing responses to personality test items (human)
- ** P01MH-12972-08 0016 Research program in personality assessment - Optimal test length (human)
- ** P01MH-12972-08 0017 Research program in personality assessment - Branching methods of scale construction (human)
- ** P01MH-12972-08 0018 Research program in personality assessment - Scale construction by moment maximization (human)
- ** P01MH-12972-08 0019 Research program in personality assessment - A comparison of assessment strategies (human)
- ** P01MH-12972-08 0020 Research program in personality assessment - Strategies of personality inventory construction - Comparative validity (human)
- ** P01MH-12972-08 0023 Research program in personality assessment - Individual differences in human judgments
- R01MH-24283-01 Development of initiative (human)
- R03MH-24998-01 Self-monitoring and consistency in self-presentation

PSYCHOLOGICAL TESTS, PROJECTIVE TECHNIQUES*

- SEE ALSO PSYCHOLOGICAL TESTS, RORSCHACH*
- SEE ALSO PSYCHOLOGICAL TESTS, THEMATIC APPERCEPTION TEST*
- ** R01MH-19915-03 The development of a picture test of values (human)

PSYCHOLOGICAL TESTS, RORSCHACH*

- R01MH-18819-04 Precursors of suicide and other premature deaths

PSYCHOLOGICAL TESTS, THEMATIC APPERCEPTION TEST*

- ** P01NS-1131-01 0011 Extrapyramidal and related behavioral disorders - Physostigmine and pharmacological psychoses caused by levodopa (human)

PSYCHOLOGISTS

SEE MENTAL HEALTH PERSONNEL, PSYCHOLOGISTS

PSYCHOLOGY (SEE ALSO SOC...)

SEE ALSO CHLD MENTAL DEVELOPMENT
SEE ALSO EXPERIMENTAL PSYCHOLOGY RESEARCH REVIEW COMMITTEE
SEE ALSO EXPERIMENTAL PSYCHOLOGY STUDY SECTION
SEE ALSO MENTAL HEALTH
SEE ALSO NEUROPSYCHOLOGY RESEARCH REVIEW COMMITTEE

- ** P01HD-02274-08 0100 Mental retardation and child development - Behavioral research unit (human)
- ** P01HD-05798-01 0003 Center for population research award - Psychology studies
- R03MH-23956-01 Social development of primates
- R01MH-24992-01 Development of a curriculum in pediatric psychology

PSYCHOLOGY, ATTITUDE TO HEALTH

SEE ALSO POPULATION SURVEYS, PUBLIC OPINION

- R01AA-00495-02 Development of a structural evaluation of drunk drivers
- R18AA-00510-03 Chemawa alcoholism education program
- ** R01AA-00912-01 Personality, roles, and treatment of alcoholic women
- R18AA-01504-01 Monitoring of occupational alcoholism programming (private and public agencies)
- R18AA-01618-01 Young people residential center
- ** P02AM-13083-06 0105 Organ transplantation - Sociopsychological study
- P01CA-15936-01 0015 Specialized Cancer Center - Psychological aspects of cancer (human)
- N01CB-33871-01 Evaluation of National Cancer Institute services
- ** R01DA-00670-01 Cognitive dissonance effects on drug attitudes
- R25DA-00827-01 Pilot demonstration drug training program
- ** R25DA-00832-01 Drug abuse teacher training and prevention
- R25DA-00837-01 House of insight drug education and prevention program
- R01DA-00852-01 Predicting drug use by Harlem youth - feasibility study
- R01DA-00886-01 Street and clinic experiences of Black opiate users
- R25DA-00899-01 Model city drug education program
- R01DA-00903-01 Computer interviews for drug abuse risk prediction
- R25DA-00931-01 Drug abuse prevention program
- N01DA-40144-00 Facts and myths about human cocaine use and abuse
- R01DE-03868-01 Children's acceptance of caries preventive procedures
- P01GM-20130-01 0005 Clinical genetics research center - Amniotic fluid studies (human)
- R01HD-00325-18 0001 Longitudinal and related psychohormonal studies - Psychoendocrine therapy and resistance to it in XYY patients and parents
- R01HD-06721-03 Conditions of variation and change in fertility (Israel)
- R01HD-06830-03 Effect of therapeutic abortion on unmarried women
- R01HD-07739-01 Decision making on unplanned pregnancies
- P17HL-14174-04 0006 Atherosclerosis behavioral and epidemiological studies - Behavioral component (human)
- P17HL-14174-04 0009 Atherosclerosis behavioral and epidemiological studies - Community media campaign
- P17HL-14174-04 0010 Atherosclerosis behavioral and epidemiological studies - Intensive instruction (human)
- ** P17HL-14236-04 0013 Prevention of premature arteriosclerosis - Patient compliance
- P18HL-15157-03 0003 Comprehensive sickle cell disease center - Audiovisual education
- P18HL-15157-03 0006 Comprehensive sickle cell disease center - Genetic counseling in sickle cell disease
- P18HL-15158-03 0009 Comprehensive sickle cell disease center - Counseling and social services
- P18HL-15162-03 0005 Comprehensive sickle cell disease center - Lay and professional education
- P18HL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)
- P18HL-15162-03 0010 Comprehensive sickle cell disease center - Community involvement (human)
- P18HL-15162-03 0011 Comprehensive sickle cell disease center - Genetic counseling and diagnostic screening
- P18HL-15168-03 0003 Comprehensive sickle cell disease center - Education and training program
- P18HL-15999-02 0004 Miami comprehensive sickle cell center - Screening and education
- R25HL-16988-01 Hypertension - Educational components of patient care
- ** R25HL-17016-01 Health education strategies for hypertension control (doctors, nurses, patients)

- ** R25HL-17056-01 Improving patient compliance through nursing action
- R21HS-01585-01 Northwestern University Medical School clinic
- N01HV-22923-04 Educational diagnosis in nutrition counseling
- ** N01MB-44191-00 Prototype course in rural prepaid health care
- ** P01MH-11668-09 0084 Psychosocial factors in health and disease - Behavioral aspects of genetic counseling
- P01MH-11668-09 0097 Psychosocial factors in health and disease - Evaluating the coping patterns of cancer patients
- R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
- ** R01MH-21724-02 Sub-cultural conceptions of mental illness
- R03MH-25053-01 Lay conceptions of people who need mental health care
- R01MH-26099-01 Mental health service utilization by Mexican Americans
- N01MH-40018-00 Organization of mental health services in Detroit-Wayne County Michigan area

PSYCHOLOGY, ATTITUDES (AND RELATED)

- SEE ALSO POPULATION SURVEYS, PUBLIC OPINION
- SEE ALSO PSYCHOLOGY, REACTIONS TO INNOVATION
- R18AA-00172-02 Maine Indian alcoholism field survey
- R18AA-00430-03 Project catalyst
- ** R18AA-00455-03 Services for problem drinking drivers
- R01AA-00494-03 Supervisory reactions to alcohol problems and policies
- R18AA-00551-01 Comprehensive Indian alcoholism and social services program
- R18AA-00836-02 Inter-Tribal Council of Nevada alcoholism program
- R18AA-00910-02 Community center for alcoholism of Jefferson County
- R18AA-01795-01 State prevention coordinator program
- R18AA-01797-01 Alaska state alcoholism program
- R18AA-01799-01 State prevention coordination program
- R18AA-01800-01 State alcoholism prevention coordination program
- R18AA-01802-01 State alcoholism prevention program expansion
- R18AA-01804-01 Alcoholism prevention coordinator
- R18AA-01806-01 Alcohol abuse prevention demonstration grant
- R18AA-01828-01 State prevention coordinator program
- R18AA-01833-01 Texas alcoholism prevention program
- ** N01AA-30080-01 Adolescent alcohol drinking behavior
- N01AA-30100-00 Nationwide alcohol abuse and alcoholism campaign
- ** N01AA-40013-00 Attitudes and behavior regarding alcoholism
- ** P02CA-06518-11 0028 Radiation and radiobiology research center - Psychological factors after remission following radiotherapy
- P02CA-12197-03 0019 Multidisciplinary oncology research center - Health services research in clinical oncology
- ** P02CA-12197-03 0020 Multidisciplinary oncology research center - Socio-economic problems in designing cancer studies and care
- P02CA-13696-02 0050 Clinical cancer research center - Psychiatric study of children with terminal illness (human)
- R01DA-00043-05 A study of teen-age drug behavior
- R01DA-00055-04 Therapeutic explorations with adolescents - Project community
- ** R01DA-00065-04 Drugs and personality (children)
- R25DA-00168-03 Drug abuse education by TV production process
- R25DA-00174-03 Drug education course for public school personnel
- R01DA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)
- R01DA-00853-01 Legal and extralegal factors in drug law enforcement
- R01DA-00975-01 Treatment for substance abuse program dropouts
- R01DA-01054-01 Drug abuse among Indian adolescents
- R01DA-01061-01 Analysis of a three year adolescent drug-use survey
- P01DA-01097-01 0004 Center for socio-cultural research on drug use - Health and psychosocial factors in drug behavior
- P01DE-01697-12 0014 Interdisciplinary studies in cleft palate - Attitudes of children, adolescents, young adults and their parents
- ** P01DE-01899-12 0004 Habilitation of the cleft palate individual - Psychological studies (children, parents)
- ** P01HD-03008-07 0026 Cognition and motivation in the retarded - Curiosity in the classroom and measurement of attitudes towards school
- R01HD-04602-05 Goals and conditions of population control (human)
- R01HD-05665-03 Relocation in old age - Health and psychosocial impact
- R01HD-05853-03 Pregnancy, birth control and abortion (human)
- P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
- ** R01HD-06084-02 Role definitions and potential for change (human)

(contd)

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-06266-02 Psychological factors and fertility behavior in women
- ** R01HD-06281-03 Change of attitudes toward population policy issues
- R01HD-06589-03 Personality and attitude factors in birth planning
- ** R01HD-06521-02 Language attitudes of bilingual Chicanos
- ** R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US
- ** R01HD-07147-01 Migration and fertility behavior and attitudes
- R01HD-07186-01 Economic and non-economic determinants of migration
- R01HD-07268-01 Contraception, abortion and couple decision-making (Israel)
- R01HD-07363-01 Critical factors in family planning participation (clinic attendants)
- R01HD-07397-02 Population study of rural migrants in urban areas
- R01HD-07412-02 Fertility motivation and career conflict in women
- R01HD-07806-01 Marital intensity-A clinical and cross-cultural study
- R01HD-07856-01 Role induction in pregnancy (human)
- R01HD-08016-01 Behavior genetic studies of adoptive and natural families
- R01HD-08624-01 Black childlessness
- ** R01HD-12038-04 Attitudinal factors affecting family size
- R01HD-12215-04 Growth of Mexican-American families
- R01HD-12299-10 Study cervical cytology in contraceptive users
- ** R01HD-22033-02 Correlates of family size and child spacing in the United States and Puerto Rico
- ** R01HD-22038-03 Role and fertility patterns of urban mothers
- R01HD-22701-03 The employed woman-family planning career
- ** R01HD-42844-00 Parental attitudes and children's personality
- P17HL-14207-04 0005 Early detection and prevention of arteriosclerosis - Dietary intervention therapy in children with serum lipoprotein abnormalities
- ** P17HL-14214-04 0011 Neonatal lung center - Long-term separation and attitudes, behavior of parents and HMD infants
- P18HL-15166-03 0011 Comprehensive sickle cell disease center - Genetic counseling and its effects on fertility
- P18HL-15996-02 0004 Cincinnati sickle cell anemia center - School adjustment of thirty sickle cell patients
- P18HL-16008-02 0006 Wayne State University comprehensive sickle cell center - Cognitive, affective and behavioral effects of sickle cell trait counseling
- PO1HS-00080-09 0002 Health administration studies - Patterns of utilization
- R01HS-00117-08 Physicians view social changes in medicine (human)
- R01HS-00209-05 Poverty and non-poverty groups in multiphasic screening (human)
- P16HS-00429-04 0002 Health services research and development center - Systems design
- P16HS-00429-04 0003 Health services research and development center - Health manpower
- P16HS-00471-06 0019 Health services research center - Persuasive communications and informed consumer choice
- ** R01HS-01408-01 Medicine use (human)
- R01HS-01440-01 Blood donor motivation and recruitment
- R01HS-01622-01 Perceptions of health in a Mexican-American community
- R01LM-01396-03 History of health in Indian and Oklahoma territories
- R01MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
- R01MH-04618-12 Psychotherapy of psychiatric outpatients
- R01MH-07705-11 Studies on comparative psycholinguistics
- R01MH-08957-10 Early drug evaluation in neurotic outpatients
- R01MH-08958-10 Early drug evaluation in neurotic outpatients
- PO1MH-11668-09 0016 Psychosocial factors in health and disease - Elective abortions
- R01MH-15008-06 Treatment deployment for chronic psychotics
- R01MH-15708-05 Leisure and mental health-Cultural and age factors
- R01MH-15828-06 0001 Research in human information processing - Judgement in children
- ** R01MH-15828-06 0004 Research in human information processing - Organization of attitudes
- ** R01MH-16927-03 Stigma and the community care of the psychiatric patient
- R01MH-17405-05 Determinants of aggressive behavior (human)
- ** R01MH-17495-03 Cooperative interracial contact and attitude change
- R01MH-17978-03 Training for foster parents of disturbed children
- R01MH-18051-04 Aging and the use of community resources (human)
- R01MH-18135-04 Self-image and family dynamics in transplantation (human)
- ** R01MH-18168-04 Socio-political aspects of internal migration (India)
- R01MH-18762-04 Conditions facilitating successful helping of help
- R01MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
- R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
- R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
- R01MH-20660-03 Physical distance and social interactions (human)
- R12MH-20745-03 Insurance and linking the insured to a MH care system
- R01MH-20756-02 Factors associated with drug therapy for hyperactivity (human)
- R01MH-21146-03 Stepfathers and the mental health of their children
- R01MH-21196-03 Cultural indicators
- R01MH-21568-03 Group stress and the use of power
- R01MH-21574-02 Symptom tolerance and recidivism (human)
- ** R01MH-21644-02 Group reaction to a shifting attitudinal deviate
- R01MH-21735-03 The behavioral consequences of androgyny (human)
- R01MH-21853-03 Rehabilitation program for delinquent Indian youth
- R01MH-22350-02 Measures of delinquency and community tolerance
- R01MH-22370-02 School intervention program
- R01MH-22424-02 The causes and consequences of credibility in TV news
- R01MH-22575-01 Divorce, role and health status and service systems
- R01MH-22682-03 Demonstration-Mental Health Program-Jr High Schools
- R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
- R01MH-22884-02 Organizational control and social change
- R01MH-22929-02 Suburban realtors and the politics of suburban housing
- R01MH-23030-02 Structure, functions, and impact on urban communes
- R01MH-23248-02 Mechanisms of generalized behavior change (human)
- R01MH-23262-02 Assimilation of Latin American minorities in the US
- R01MH-23451-01 A program for education in human behavior
- R01MH-23468-01 Women's liberation-Is the definition class-bound?
- R03MH-23474-01 Survey of scientific values among psychologists
- R01MH-23543-01 Incarceration in 20th century America
- R01MH-23593-01 Changing mass publics of advanced industrial society
- R01MH-23600-01 Day care centers-A comparative and evaluative study
- R01MH-23709-02 Environmental settings for open education
- R01MH-23786-01 Changing urban family roles
- R03MH-23967-01 The sociology of acceptance of therapies
- R01MH-24250-01 Adult perceptions and child behavior dysfunctions (human)
- ** R01MH-24266-01 Effect of survey question wording on survey results
- R01MH-24677-01 The social organization of psychological disorder
- ** R03MH-24725-01 A model relating attitudes and behavior
- ** R01MH-24814-01 Attitudes as inferences from one's own behavior
- R03MH-25067-01 Pilot study of experienced life course (human)
- R01MH-25215-01 Patterns of competence in pre-school girls
- ** R01MH-25271-01 Secondary analysis of sex roles data (human)
- R03MH-25406-01 Urban social psychology-A network approach
- R01MH-25536-01 Attributions of social power
- R01MH-25553-01 Pre college social development program
- R01MH-25587-01 Social class and parents' aspiration
- R13MH-25655-01 Identity crisis of the Sansei
- R03MH-25736-01 Actor-observer differences in attributions of causality
- R03MH-25779-01 Change in a correctional facility for delinquents
- R03MH-26052-01 Contextual influences on individual choice behavior (an)
- R03MH-26087-01 Effects of random assignment to control treatment
- R01MH-26098-01 Stress, crowding and blood pressure in prison
- R01MH-26112-01 The persuasive power of discrepant minorities
- R03MH-26164-01 Dissonance vs self-perception in self-persuasion
- R01MH-26239-01 Human self regulation
- N01MH-40049-00 Mental health related human service for the criminal justice system
- N01MH-40088-00 Study of social planning
- PO1NS-04053-12 0015 Epilepsy - Seizure clinic-Social service
- ** N01WJ-24301-02 Attitudes of high school students toward the nursing profession
- N01RR-00626-02 0079 General clinical research center - Modification of sex role attitudes and behaviors in transsexuals

PSYCHOLOGY, ATTITUDES, BELIEFS

- R07A-10050-14 0004 International center for medical research - Social and behavioral sciences (human)
- ** P01AM-13084-10 0004 Clinical homotransplantation of tissues and organs - Study of psychiatry (human)
- ** R01HD-07024-02 Prediction of family-planning intentions and behavior
- ** N01HD-22754-03 Study of family, career and sexuality
- ** R01MH-19064-04 American beliefs about physical and mental illness
- ** R01MH-22424-02 The causes and consequences of credibility in TV news
- R01MH-23467-01 Impact of religious belief on voting behavior
- R01MH-24014-02 Black families of prisoners
- R01MH-26130-01 Psychological impact of rape on the victim
- ** P07RR-00643-03 0009 Biotechnology resource-Computers in biomedicine - Belief system model

PSYCHOLOGY, ATTITUDES, BIAS

- R01AA-00492-03 Supervisor reactions to alcohol problems and policies

PSYCHOLOGY, ATTITUDES, CONSCIENCE

- ** R03MH-26213-01 Level of intent and moral intentional judgments (children)

PSYCHOLOGY, ATTITUDES, IMPRESSION

- SEE ALSO PSYCHOLOGY, COGNITION, JUDGMENT
- ** R01HD-06750-03 Personal constructs, aging, and impression formation

PSYCHOLOGY, ATTITUDES, MORALS

- SEE ALSO PSYCHOLOGY, PERSONALITY, CHARACTER
- ** R01AA-00972-01 Analysis of moral norms, environments and drinking
- R01DA-00055-04 Therapeutic explorations with adolescents-Project community
- ** R01HD-03234-06 Effects of moral inconsistency upon children
- ** R01HD-04128-06 Intervention and critical periods in moral development (human)
- R01HD-05255-03 Pre-adult fertility and family formation (young women)
- ** R01HD-06519-02 Social influence on childrens standards
- R01HD-07188-01 Ethnography of poor black women
- R01HD-12140-05 Merit status and family size
- R03MH-26213-01 Level of intent and moral intentional judgments (children)

PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

- SEE ALSO OCCUPATIONS, JOB SATISFACTION
- R18AA-01639-01 Comprehensive alcoholism services grant
- PO1DA-01097-01 0003 Center for socio-cultural research on drug use - Contextual influence on drug use
- PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- PO1HD-03008-07 0027 Cognition and motivation in the retarded - Smiling as a measure of child's sense of pleasure in mastery
- PO1HD-05876-03 0030 Center for population research - Demography of the life cycle
- R01HD-07412-02 Fertility motivation and career conflict in women
- R01HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
- R01HD-08276-01 The value of children in the US
- R01HD-08287-01 The value of children in the USA
- R01HL-15399-02 Behavioral factors in coronary heart disease
- R01HS-00889-03 Experiments in communication of medical information
- R01HS-01241-02 Affiliation with providers and use of medical care
- R18HS-01638-01 Evaluation of outcome of nursing home care
- R01MH-21669-03 Quality evaluation of mental health services
- R01MH-21929-02 Volunteerism in the lives of women
- ** R01MH-22883-02 Role of autotelic experiences in adult development
- PO1MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
- R01MH-24216-01 The social effects of divorce and divorce law reform (California)
- R01MH-25215-01 Patterns of competence in pre-school girls
- ** R01MH-25266-01 Personal well-being and environmental factors

(contd)

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- R01MH-25298-01 Behavioral diagnostic methods for family
 ** R03MH-25891-01 Relative deprivation, militancy and aspirations

PSYCHOLOGY, ATTITUDES, PREJUDICE

- SEE ALSO PSYCHOLOGY, ATTITUDES, BIAS
 R01AA-00492-03 Supervisor reactions to alcohol problems and policies
 P01HD-05876-03 0030 Center for population research - Demography of the life cycle
 R01HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
 P01MH-13002-06 0027 Clinical and laboratory studies of affective disorder - Depression in women physicians and PhD controls
 ** R01MH-22010-01 Reactions to racism
 R01MH-22249-02 Desegregation and prejudice
 R03MH-25726-01 Effects of withheld evidence on juror decisions
 ** R03MH-26049-01 Interracial perception and interaction

PSYCHOLOGY, ATTITUDES, VALUES

- SEE ALSO PSYCHOLOGY, BEHAVIOR, ALTRUISTIC
 R18AA-01440-01 Martin Luther King, Jr. alcoholism program
 R01DA-00140-02 Psychosocial effects of chronic marijuana use (human)
 P01HD-04510-06 0004 Center for research in human development - Institute of social deviancy and youth
 ** P01HD-05027-05 0009 Developmental psychology - Social comparison processes
 P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 R01HD-06264-03 Sociopsychological aspects of promarital conception
 R01HD-07225-01 Birth planning-Values and decisions
 R01HD-08276-01 The value of children in the US
 R01HD-08287-01 The value of children in the USA
 R01MH-02238-15 Children's achievement development
 R01MH-06580-12 Some parameters of decision-making
 R01MH-06830-13 Delay of gratification in choice situations (children)
 R01MH-12780-04 Japanese American research project
 P01MH-12972-08 0027 Research program in personality assessment - Techniques for enhancing the subjective optimality of decisions (human)
 R01MH-15708-05 Leisure and mental health-Cultural and age factors
 R01MH-19589-01 Comparative study of communal living arrangements
 ** R01MH-19915-03 The development of a picture test of values (human)
 R01MH-20312-03 Demonstration project for urban adolescent parents
 R01MH-21139-03 Social class and communication style in marriage
 R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
 ** R03MH-23474-01 Survey of scientific values among psychologists
 ** R01MH-23593-01 Changing mass publics of advanced industrial society
 ** R01MH-24263-02 The intergenerational transmission of values
 R03MH-26180-01 Father's work, family relations, and career choice
 R02NU-00505-01 Reality shock and conflict resolution in neophyte nurses

PSYCHOLOGY, BEHAVIOR

- SEE ALSO BEHAVIORAL SCIENCES (DEVELOPMENTAL) STUDY SECTION
 SEE ALSO CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR
 SEE ALSO INFORMATION-COMMUNICATION BEHAVIOR
 SEE ALSO INJURIES, ACCIDENT PRONESS
 SEE ALSO NUTRIENT INTAKE ACTIVITY, DRINKING BEHAVIOR (WATER)
 SEE ALSO NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR
 SEE ALSO PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR
 SEE ALSO PSYCHOLOGY, EMOTIONS
 SEE ALSO PSYCHOLOGY, PERFORMANCE
 SEE ALSO PSYCHOLOGY, PERSONALITY
 SEE ALSO PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
 SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
 R01AA-00200-03 Neurobiological correlates of chronic alcohol consumption (mice, rats)
 ** P01AA-00212-06 0004 Oklahoma center for alcohol related studies - Effects of ethanol on behavior and the CNS (rats, cats)
 R01AA-00217-07 Chronic alcohol consumption in primates (chimpanzees)
 R01AA-00247-06 Alcohol disinhibition in the visual system (frogs)
 R01AA-00297-03 Zygotic and uterine mediated effects of alcohol (mice)
 M R01AA-00311-03 Metabolic and psychological factors in alcoholism
 R01AA-00311-03 0006 Metabolic and psychological factors in alcoholism - EEG sleep and behavioral indicators of addiction (human)

- R01AA-00326-01 Mechanisms of tolerance to ethanol (fish)
 R01AA-00388-01 Cellular mapping of behavioral traits (mice)
 ** R01AA-00972-01 Analysis of moral norms, environments and drinking
 ** R01AA-01245-01 Alcohol effects on behavior-Biochemical correlates (rats, mice, monkeys)
 R07AI-10048-14 0004 International center for medical research - Rodent ecology in relation to energy sources (rats)
 ** R07AI-10050-14 0004 International center for medical research - Social and behavioral sciences (human)
 ** R07AI-10051-14 International center for medical research and training (human, animals)
 ** P01AM-13084-10 0004 Clinical homotransplantation of tissues and organs - Study of psychiatry (human)
 P01CA-07368-11 0009 Interrelationships of normal and cancer cells - Effect of exogenous catecholamines in amygdala (cats, monkeys)
 R01CA-14121-02 Interventive family therapy in dying and bereavement
 ** R18CA-16404-01 0002 Cancer control development grant - Health behavior and community health education
 ** R01DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
 ** R01DA-00043-05 A study of teen-age drug behavior
 ** R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
 ** R01DA-00073-04 Opiate effects on brain function and behavior (human)
 R01DA-00084-02 Effects of long term drug dependence (human)
 R01DA-00121-01 Construction of a causal model of student drug use
 R01DA-00139-03 Experimental drug abuse (monkeys)
 P01DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
 ** P01DA-00250-03 0010 Research center-Studies of drug dependence and abuse - Behavioral and perceptual effects of drugs (human, animals)
 ** P01DA-00250-03 0011 Research center-Studies of drug dependence and abuse - Animal models of drug dependence (monkeys)
 ** P01DA-00250-03 0012 Research center-Studies of drug dependence and abuse - Human behavioral pharmacology
 M P01DA-00257-03 Center for behavioral studies in addictions
 ** P01DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man
 P01DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
 R01DA-00290-02 Effects of LSD upon embryonic and maturing brain (mice)
 R01DA-00296-01 Effects of acute and chronic methadone treatment (rats)
 R03DA-00696-01 Early development of narcotics addicted infants
 R01DA-00828-01 Psychobiological causes of opiate addiction (mice)
 ** R01DA-00896-01 Effects of 9-THC on behavioral development
 ** R01DA-01015-01 Behavioral pharmacology of narcotics and narcotic antagonists (human)
 R01DA-01022-01 Experimental alteration of sedative/stimulant abuse (human)
 R01DA-01032-01 Addicting drugs and brain function in humans
 R01DA-01050-01 EEG REM sleep and imipramine in morphine addiction (rats)
 ** N01DA-20208-05 Behavioral research paradigm for study of opiate antagonists (human)
 N01DA-40211-00 Drug prevention program models
 R01DE-02152-09 0015 Dental physiology and biophysics - Cerebral cortex and elaboration of pain (mammals)
 R01ES-00820-02 Toxicity of organic mercury for the fetus and newborn (human, monkeys)
 R01ES-00910-01 Pesticide behavioral teratology (mice)
 ** P11GM-15477-08 0109 Drug metabolism and biochemical pharmacology - Haloperidol and amantadine in rats
 ** P01GM-15904-07 0031 Anesthesiology center for research and teaching - Subjective and behavioral effects of anesthetics
 R01GM-16697-06 Genetics of human behavior and mental traits
 ** R01GM-20457-02 0003 GC-MS and stable isotopes in pharmacological research - Release of biogenic amines from brain by amphetamine-correlation with behavior
 R01GM-20549-02 Fluorescence and electron microscopy of chromosomes (human, toads)
 ** R01GM-21728-01 Neutral control of circadian rhythms in behavior
 ** P01HD-01136-10 0016 Center for research in human learning - Emotions as behavior mediators
 P01HD-01799-09 0001 Mental retardation research center - Development of inter-neuronal communication processes

- ** P01HD-01799-09 0006 Mental retardation research center - Behavioral and developmental neurophysiology (humans, monkeys)
 P01HD-01799-09 0017 Mental retardation research center - Hearing impairment etiology and impact in language and behavioral development
 ** P01HD-01799-09 0019 Mental retardation research center - Behavioral development and evoked potentials in prematurely born infants
 ** P01HD-01799-09 0020 Mental retardation research center - EEG and behavioral observations on neonates and 'boarders'
 ** P01HD-01799-09 0022 Mental retardation research center - Functional retardates
 ** P01HD-01799-09 0033 Mental retardation research center - Developmental psychology (human)
 ** P01HD-01799-09 0038 Mental retardation research center - Nutrition, behavioral development and evoked potentials in premature infants
 ** P01HD-01799-09 0039 Mental retardation research center - EEG and behavioral development
 ** P01HD-01799-09 0041 Mental retardation research center - Effects of stimulation on sleep and perceptual organization of premature infant
 P01HD-01799-09 0043 Mental retardation research center - Severe malnutrition in infancy and late intellectual and behavioral development
 P01HD-01799-09 0053 Mental retardation research center - Sensory organization and modifiability of behavior in high-risk neonate (human)
 P01HD-02274-08 0033 Mental retardation and child development - Experimental education unit
 ** P01HD-02274-08 0036 Mental retardation and child development - Mother-child interaction
 ** P01HD-02274-08 0135 Mental retardation and child development - Psychological correlates of cerebral lesions in children
 ** P01HD-02274-08 0140 Mental retardation and child development - Neuropsychology laboratory
 ** R01HD-02395-08 Development of the EEG in relation to behavior (human)
 P01HD-02528-08 0061 Research center in mental retardation - Physiology and pharmacology of RAPHE system (mammals)
 ** R01HD-02581-14 Effects of malnutrition in early life (rats, swine)
 P01HD-03008-07 0030 Cognition and motivation in the retarded - Biology and competence
 P01HD-03110-07 0022 Child development and mental retardation - Family research program
 P01HD-03110-07 0039 Child development and mental retardation - Early childhood education and demonstration
 P01HD-03110-07 0041 Child development and mental retardation - Use of dramatic play in occupational education in primary grades
 P01HD-03352-07 0004 Wisconsin center on mental retardation - Developmental neurophysiology (rodents, cats, racoons)
 ** R01HD-04135-06 Developmental-integrative investigation (human)
 R01HD-04364-12 A developmental study of the stress response (rats)
 R01HD-04524-06 Psychophysiological aspects of aging (human)
 ** P01HD-04612-06 0006 Mental retardation research center - Neural correlates of sensation and learning in brain (monkeys, cats)
 P01HD-05221-05 0032 Center grant in mental retardation - Division of inborn errors of metabolism (rats)
 P01HD-05540-03 0001 Development of the mentally retarded - Population movement
 P01HD-05798-01 0003 Center for population research award - Psychology studies
 P01HD-06276-03 0022 Mental retardation research program - Sex chromosomes abnormalities and behavior variation
 P01HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
 R01HD-06909-02 GABA metabolism-A biochemical key to mental aging (mice)
 ** R01HD-06911-02 Population density and human behavior in Chicago
 ** R01HD-07161-02 Microeconomic analysis of human fertility behavior
 R01HD-07397-02 Population study of rural migrants in urban areas
 ** R01HD-07517-01 Functional analysis of filial behavior development
 R01HD-07856-01 Role induction in pregnancy (human)
 ** R01HD-08966-01 0006 Early diagnostic studies of aberrant development - Behavior studies-Neonatal evaluation and follow-up (human)
 N01HD-42803-02 Effect of birth order on mother-child relationship
 ** P01HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
 M P17HL-14174-04 Atherosclerosis behavioral and epidemiological studies

(contd)

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P17HL-14174-04 0001 Atherosclerosis behavioral and epidemiological studies - Epidemiology component (human)

P17HL-14174-04 0010 Atherosclerosis behavioral and epidemiological studies - Intensive instruction (human)

** P17HL-15103-03 0006 Specialized center of research-arteriosclerosis - Bogalusa family studies-Behavioral stress factors (human)

R01HL-15399-02 Behavioral factors in coronary heart disease

** P18HL-16008-02 0008 Wayne State University comprehensive sickle cell center - Cognitive, affective and behavioral effects of sickle cell trait counseling

P01HS-00467-06 Community child health studies

P01HS-00624-04 Program of research in interviewing methods

** R01HS-00773-03 Emerging patterns of health care for young people

** R01MH-00576-22 Biological timing devices in animals and man

R01MH-01206-18 Behavior without awareness (human)

** R01MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)

** R01MH-03225-15 Neurochemical correlates of behavior (rats, pigeons)

** R01MH-03831-15 Auditory electrophysiology and behavior (cats, human)

R01MH-04582-13 Synthesis of compounds related to lysergic acid (rats, mice, guinea pigs)

R10MH-04669-14 0001 Controlled drug evaluation - Behavioral effects of L-dopa in schizophrenic patients

R10MH-04669-14 0002 Controlled drug evaluation - Response threshold to L-dopa in psychiatric patients

** R01MH-06686-12 Correlation of EEG and behavior (cats, rabbits)

R01MH-07097-11 Behavioral and electrical studies of basal ganglia (cats)

R01MH-07658-12 Drugs and reactions to aversive stimuli (monkeys)

** R01MH-08493-11 Neural reinforcement of motivated behavior (rats)

** P01MH-08667-10 0016 A longitudinal epidemiology of impaired competence - Behaviors labeled Mentally III and the Mentally III role

** R01MH-11191-09 Brain amines and behavior (mice)

** R10MH-11468-09 0025 Psychopharmacology research center - Behavioral pharmacology of D- and l-amphetamine and methylphenidate in man

** P01MH-11668-09 0001 Psychosocial factors in health and disease - Behavior and gastric secretion in gastric fistula subjects

** R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)

P01MH-12972-08 0021 Research program in personality assessment - Multivariate techniques for evaluation and prediction of human behavior

R01MH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)

** R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)

** R01MH-13581-06 Olfaction in behavioral functions of limbic system (rats)

R01MH-13595-08 Behavior and drug effects during chronic stress (rats, mice)

R01MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)

R01MH-14110-07 0008 Neural modulation and transmission - Phenylethylamine and phenylethanolamine

R01MH-14110-07 0009 Neural modulation and transmission - Effects of catecholamines-Related drugs (rabbits)

R01MH-14110-07 0011 Neural modulation and transmission - Muscarinic and nicotinic cholinergic receptors (rabbits)

R01MH-14110-07 0020 Neural modulation and transmission - Non-hydroxylated amines

R01MH-14314-06 Behavioral processes in conceptual rule learning

** P01MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)

R01MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)

** R01MH-15494-06 The matching law (rats, pigeons, human)

** R01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)

R01MH-16026-06 Assessment of psychological environments (human)

** R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)

R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)

R01MH-16928-06 Concurrent choices and concurrent interresponse times (pigeons, human)

R01MH-17279-05 Psychoactive drugs and the organization of behavior (rats)

** R01MH-17471-05 Drugs on EEG correlates of behavior (primates, cats)

** R01MH-18136-04 Molecular approaches to behavior (rats)

** R01MH-18332-05 Temporal organization in behavior and development (human)

** R01MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)

R01MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)

R01MH-18579-04 children Comparative drug effects in hyperkinetic children

R01MH-19211-04 Psychotropic drugs and slow potentials in man

** R01MH-19515-04 Substrates of elementary behavioral plasticity (rats)

R01MH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism

** R01MH-20785-03 Complex behavioral repertoires (primates, birds)

** R01MH-21042-03 Folic acid and behavior

R01MH-21090-03 Preclinical studies of rubidium in affective illness (dogs, primates)

** R01MH-21978-03 Pharmacology of methylated norepinephrine derivatives (rats)

** R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)

** R01MH-22322-02 Typological description of suicidal behavior

R01MH-22590-02 Impact of instruction and counseling of youth

R01MH-22768-02 Neurochemical and behavioral effects of severe stress (rats)

R01MH-22929-02 Suburban reators and the politics of suburban housing

R01MH-23414-02 (rabbits, rats)

** R01MH-23433-02 Role of the amygdala in behavior-Unit studies (cats)

** R01MH-23451-01 A program for education in human behavior

** R01MH-23685-02 Drug-schedule interactions and intercurrent behavior (rats, squirrels)

R01MH-23709-02 Environmental settings for open education

M P01MH-23861-02 Biogenic amines and behavior

** R01MH-23875-02 Measurement resource in child behavior

R01MH-23880-02 Behavioral effects of drugs in Macaca mulatta

R10MH-24020-02 Quantitative EEG studies in psychopharmacology (human)

** R01MH-24244-01 Effects of psychotropic drugs on brain nuclear RNA (rats)

** R03MH-24725-01 A model relating attitudes and behavior

** R01MH-24949-01 Drugs, behavior and the cholinergic nervous system

R03MH-25059-01 Developmental neurochemical effects of amphetamine (rats)

** R01MH-25215-01 Patterns of competence in pre-school girls

** R03MH-25252-01 Role of nerve cells in behavior and development (hydra)

R01MH-25298-01 Behavioral diagnostic methods for family

R01MH-25374-01 Experimental studies in minority influence II (human)

** R01MH-25601-01 Brain dopamine-beta-hydroxylase regulation and behavior

R01MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)

R01MH-40127-00 Development of video methods for measuring changes in mental illness

P01NS-06209-09 0003 Boston University aphasia research center - Clinical case studies, neurology and anatomy (human, monkeys)

** R01NS-07726-08 Sensory cortex (primates, opossum, hedgehog)

R01NS-07870-07 Genetic and post-natal effects on brain development (rats, cats)

** R01NS-08048-04 Comparative studies on mammalian nervous system (monkeys)

** R01NS-08610-04 Neural activity and behavior (barnacles)

R01NS-0950-04 Neuronal control of locomotion and neuronal ontogeny (animals)

** R01NS-09501-05 Drugs on release of biogenic amines and behavior (rats)

R01NS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)

R01NS-09471-02 Folic acid deficiency and brain development (mice, rats)

R01NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)

R01NS-10284-02 Genetic variation in hippocampal structure and function (mice)

R01NS-10391-01 Effects of L-dopa on brain serotonin (mice)

R01NS-10576-01 Deficits and recovery from neocortical disconnection (monkeys, human)

** R01NS-10579-02 Development of synaptic knobs and behavior (rats)

** R01NS-10600-02 Role of pineal organ in brain function (fish)

R01NS-10777-02 Development of brain monoamines and seizures (mice, rats)

P01NS-10828-01 0013 An interdepartmental stroke program - Behavioral deficits in stroke patients

** R01NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)

R01NS-11550-01 Behavioral pharmacology and transmitter metabolism (primates, birds, rodents)

P01NS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)

R01NS-11641-19 Biological effects of steroids (mice, rats, monkeys)

R01NS-11812-01 Role of cortico-thalamic system in binocular hearing (cats)

R01NS-12041-01 Biogenic aldehydes-A role in CNS function (mice)

R01RR-00053-13 0030 Clinical research center - Ultradian cycles during circadian sleep-wake cycles (human)

R01RR-00053-13 0033 Clinical research center - Influence of waking-time on reversal and re-reversal sleep-wake cycle (human)

** P06RR-00163-15 Operation of the Oregon regional primate research center

P06RR-00164-13 Operation of the Delta regional primate research center

P06RR-00166-14 Regional primate research center at University of Washington

P06RR-00169-13 Operation of the National Center for Primate Biology

R01RR-00389-07 Breeding large animals for medical research (dogs)

P06RR-00421-13 Primate research program resource

S01RR-05615-07 General research support (behavior)

S01RR-05636-08 General research support (behavior)

PSYCHOLOGY, BEHAVIOR, AGGRESSION

R18AA-00181-03 Mood, memory and drinking in alcoholic patients

R01AA-00232-06 Socialization of problem behavior in youth

** R01AA-00280-03 Alcohol and aggression in a model system (fish)

R01AA-00498-03 0011 Clinical studies of alcohol use and abuse - Biogenic amines and alcohol (human, mice)

** R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic

** R01AA-00498-03 0015 Clinical studies of alcohol use and abuse - Influence of various drugs, including alcohol, on violent behavior (human)

** R03AA-00634-01 Alcohol and physical aggression (human)

** R01AA-30119-00 Interactions between alcohol and aggression in personality (human)

R07AI-10048-14 0005 International center for medical research - Ecological studies within Bustees of Calcutta (mammals, fish, birds)

R01DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)

R01DA-00053-02 Amphetamine, nervous stimulation and brain amines (mice)

** R01DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)

R01DA-00111-02 Chronic THC-Effects of brain development (mice)

R01DA-00135-03 THC and LSD-Residual effects on social behavior (monkeys)

** R01DA-00722-01 9-Tetrahydrocannabinol and aggression

** R01DA-00879-01 Cannabis-human memory, timing, perception and aggression

** R01DA-0163-00 Evaluation of cocaine on aggressive behavior (pigeons, mice, monkeys)

R01CM-18680-03 Effect of beta-alanine on behavior (Drosophila)

R01HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome

P01HD-00973-11 0083 Research program on retarded intellectual development - Reciprocal impact of developmentally delayed and advanced siblings (rodents)

P01HD-03008-07 0020 Cognition and motivation in the retarded - Cognitive and motivational determinants of imitiveness

P01HD-03110-07 0039 Child development and mental retardation - Early childhood education and demonstration

P01HD-03144-07 0012 Development of culturally deprived children - Language, social and preacademic skills in community day-care center

R01HD-03778-06 The development of social motivation (dogs)

** P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)

** P01HD-04335-06 Brain-behavior relationships in mental retardation

P01HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)

** R01HD-04484-04 Endocrine and neural bases of behavior (rats)

P01HD-05027-05 0007 Developmental psychology - Peer influence

P01HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** R01HD-06572-02 The prediction and elicitation of maternal behavior (mice)
 ** R01HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
 R01HD-07049-01 Hormones in sexual differentiation and behavior (rats, mice)
 P01HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
 ** R01HD-08464-01 The development of aggressive behaviors (mice)
 R01MH-01293-18 Measurement of drive and conflict (human)
 R01MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
 R01MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis
 R01MH-04000-14 Determinants of species-specific behavior (dogs, rodents, quail)
 R01MH-05162-12 Analysis of vicarious psychological processes (human)
 R01MH-05683-12 Childhood psychopathology process and overt symptomatology
 R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
 P01MH-08618-10 0039 Biological studies of psychotic disorders - Guaiacol-O-methyltransferase (GOMT) (rats, mice)
 ** R01MH-08936-11 Neural basis of aggression (cats, monkeys)
 M01MH-10098-01 Community data in detection of behavioral outbreaks
 ** R01MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
 R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
 R01MH-11894-09 0005 Comprehensive behavioral studies - Social deprivation (Rhesus monkeys)
 R01MH-12279-09 0003 Drug studies with women, elderly and groups - Group studies with chlordiazepoxide
 P01MH-12568-08 0014 Neuropsychopharmacological studies of attention - Chronic amphetamine effects on social behavior in rats
 P01MH-12972-08 0008 Research program in personality assessment - A social learning approach to sequential interaction (human)
 R01MH-13864-07 Principles of primate social organization
 R01MH-15707-07 Perception and behavior (reptiles)
 ** R01MH-15985-06 Intervention in low base rate asocial behaviors of boys
 R01MH-17377-05 Early experience and development of behavior (rats)
 ** R01MH-17405-05 Determinants of aggressive behavior (human)
 ** P01MH-17565-03 0004 Genetics of the XY phenomena in man - Endocrine investigations (human)
 R01MH-18180-05 Outpatient pediatric psychopharmacology
 R01MH-18342-05 Aversive properties of discriminative stimuli (pigeons)
 R01MH-18565-04 Comparative study of social organization (damselfish)
 ** R01MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
 ** R01MH-19506-03 0003 Hormones, the brain and primate behavior - Redirection of aggression
 ** R01MH-19506-03 0004 Hormones, the brain and primate behavior - Relation between sexual invitations and aggression
 ** R01MH-19506-03 0005 Hormones, the brain and primate behavior - Grooming activity
 R01MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
 M01MH-20122-00 Study violence in American factories
 ** R01MH-20483-03 Aggressive behavior, dominance rank and testosterone (monkeys)
 R01MH-20660-03 Physical distance and social interactions (human)
 ** R01MH-20922-04 Training parents in management of antisocial boys
 ** R01MH-21035-03 Clinical prediction and treatment of episodic violence
 ** R01MH-21247-03 Comparative drug studies of aggressive mechanism (mammals, frogs, orthoptera)
 ** R01MH-21577-02 Behavior control of drug-induced aggression (rats)
 ** R01MH-21675-01 Brain mechanisms of intra-specific fighting in the rat
 ** R01MH-21854-02 Social antecedents of acts of interpersonal violence
 ** R01MH-21934-02 Lithium and aggressive behavior (human)
 R01MH-22299-01 Anticipatory coping and stress responses (human)
 R03MH-23399-01 Covert modeling and therapeutic change (human)
 ** R01MH-23419-02 Development of aggression and predation (mice)
 R01MH-23645-02 0001 Behavior-hormone changes in adolescence - Natural environment (chimpanzee)

** R01MH-23645-02 0002 Behavior-hormone changes in adolescence - Aggression, submission and reassurance (chimpanzee)
 ** P01MH-23861-02 0032 Biogenic amines and behavior - Cyclic AMP and behavior (mice)
 ** R03MH-23870-01 Hormonal effects on aggression (mice)
 ** R01MH-24032-01 The hormonal determinants of behavior (rats)
 R03MH-24096-01 Analysis of data related to ethology (reptiles)
 R01MH-24152-01 Epidemiology of and intervention for children at risk
 ** R01MH-24279-02 Androgens, brain and behavior (rats, mice, human)
 R01MH-24513-01 Long term behavioral effects of TV programs (children)
 R12MH-24522-01 Research committee on television and social behavior
 ** R03MH-24715-01 Aggression-The developmental role of androgen (mice)
 R01MH-24804-01 Respondent mentation and responses to life situations
 ** R01MH-25191-01 Neural loci of hormone action in behavior (mice)
 ** R01MH-25227-01 Determinants of aggressive behaviors in children
 ** R03MH-25263-01 Factors of assaultive behavior
 R03MH-25284-01 Blockade of hypothalamic behavior with midbrain lesions (rats, mice)
 R03MH-25352-01 Brain dysfunction, hyperactivity and lead exposure (rats)
 ** R01MH-25444-01 Drugs, aggression and neurochemistry (mice)
 R01MH-25495-01 Anatomy of visuo- and somatomotor behaviors (rats)
 ** R03MH-25507-01 Pheromones and behavior (mice)
 ** R01MH-25585-01 Televised violence and tolerance of aggression
 ** R03MH-25626-01 Delayed effects of aggressive stimulation (human)
 R03MH-25660-01 Hypothalamic control of sensorimotor functions (rats)
 ** R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 R03MH-25737-01 Social conflict in industrial societies
 ** R03MH-25782-01 Hormonal mechanisms in aggression (gerbils)
 R03MH-25828-01 Hormones and behavior (doves, rats)
 ** R03MH-25881-01 Comparative analysis of rates of violent crimes
 ** R03MH-25889-01 Emotion communication and aggressive delinquency
 ** R01MH-26092-01 Dangerousness and psychiatric commitment study
 R01MH-26098-01 Stress, crowding and blood pressure in prison
 R01MH-26130-01 Psychological impact of rape on the victim
 R03MH-26166-01 Social interactions in natural populations (mice)
 R03MH-26213-01 Level of intent and moral intentional judgments (children)
 M01MH-40064-00 Statistical services
 R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
 ** R01NS-06911-07 Brain catecholamines in defense reaction (rats, cats)
 ** R01NS-07941-05 Limbic system in hypothalamic aggression (cats)
 R01NS-08732-04 Communication during behavior (crickets, gulls)
 ** P07RR-00015-12 0099 Medical school computer facility - Depression and hostility
 ** M01RR-00076-12 0102 General clinical research center - Study of violence of temporal lobe epilepsy with stereotactic electrodes (human)
 M01RR-00628-04 0012 General clinical research center for children - Aggressiveness and androgen production in XYY males (adults)

PSYCHOLOGY, BEHAVIOR, ALTRUISTIC
 R01GM-20731-01 Genetic aspects of social behavior in hymenoptera
 R01HD-01107-11 Social and exploratory behavior in infants (human)
 ** R01HD-03234-06 Effects of moral inconsistency upon children
 P01HD-05027-05 0009 Developmental psychology - Social comparison processes
 ** R01HD-06914-02 Help giving behavior of children
 R01MH-05115-13 Measurement and studies of ego development
 ** R01MH-16345-06 Ecology and evolution of altruism (jays)
 ** R01MH-22644-02 Volunteer phone counselors-A study of altruists
 ** R01MH-22720-02 Altruistic behavior in children
 ** R01MH-23886-02 The development of prosocial behavior in children
 R01MH-24513-01 Long term behavioral effects of TV programs (children)

PSYCHOLOGY, BEHAVIOR, COMPULSIVE
 SEE ALSO PSYCHOLOGY ABNORMAL, NEUROSIS, OBSESSIVE-COMPULSIVE
 R01MH-25258-01 Comparative treatment of emotional problems of aging
 R03MH-25354-01 Personality and person perception
 ** M01RR-00626-02 0068 General clinical research center - Effects of response prevention on compulsive behavior

PSYCHOLOGY, BEHAVIOR, COMPULSIVE, RISK-TAKING-GAMBLING
 R01MH-06580-12 Some parameters of decision-making
 P01MH-10006-10 0001 Research center for quantitative psychology - Human decision behavior
 R01MH-15521-06 Problem solving behavior of family groups (human)
 ** R01MH-16950-06 Group decision-making involving risk

PSYCHOLOGY, BEHAVIOR, ESCAPE REACTION
 R01AA-01441-01 Factors maintaining drinking in alcoholic families
 R01DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)
 P01GM-21056-01 0014 Interfacial behavior of biomaterials - Electrical analgesia electrodes (monkeys)
 R01HD-03778-06 The development of social motivation (dogs)
 R01HD-07043-01 Pheromonal communication (rats, mice)
 R01MH-18342-05 Aversive properties of discriminative stimuli (pigeons)
 R01MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
 R01MH-24596-01 Coping with novelty-The roots of mastery or of fear
 ** R01NS-08108-07 Escape reflex-Physiology of habituation (crayfish)
 ** M01RR-00046-14 0053 General clinical research center - Escape phenomenon in diabetes insipidus and panhypopituitarism (human)

PSYCHOLOGY, BEHAVIOR, EXPLORATORY
 SEE ALSO PSYCHOLOGY, BEHAVIOR, INFORMATION-SEEKING
 R01DA-00053-02 Amphetamine, nervous stimulation and brain amines (mice)
 R01HD-00942-12 Animal behavior in field and laboratory environments (kangaroo rats, Peromyscus)
 ** P01HD-00973-11 0075 Research program on retarded intellectual development - Effects of stimulus complexity in young children
 ** P01HD-00973-11 0076 Research program on retarded intellectual development - Parent-child interactions during 'play' and the personality of the mother
 ** P01HD-00973-11 0077 Research program on retarded intellectual development - Intrinsic motivation in the primary school-Stimulus properties
 ** P01HD-00973-11 0078 Research program on retarded intellectual development - Exploration, curiosity, and play behavior in the retarded
 ** P01HD-00973-11 0081 Research program on retarded intellectual development - Play behavior in retarded children and effects stimulus complexity
 ** P01HD-00973-11 0082 Research program on retarded intellectual development - Personality and motivation correlates of play behavior in retarded children
 P01HD-00973-11 0083 Research program on retarded intellectual development - Reciprocal impact of developmentally delayed and advanced siblings (rodents)
 ** P01HD-00973-11 0085 Research program on retarded intellectual development - Exploratory behavior/concomitant mother-infant communication patterns (monkeys)
 P01HD-00973-11 0086 Research program on retarded intellectual development - Emotions as variables in learning and the development of social skills (monkeys)
 ** R01HD-01107-11 Social and exploratory behavior in infants (human)
 ** P01HD-03008-07 0024 Cognition and motivation in the retarded - Assessment of curiosity motivation
 ** P01HD-03008-07 0025 Cognition and motivation in the retarded - Relationship between curiosity motivation and learning
 ** P01HD-03008-07 0026 Cognition and motivation in the retarded - Curiosity in the classroom and measurement of attitudes towards school
 P01HD-03352-07 0026 Wisconsin center on mental retardation - Questioning behavior and grammatical comprehension (children)
 ** R01HD-03386-06 Experiential determinants of exploration in premature (human)
 P01HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys)
 R01HD-04863-05 Social development after malnutrition in infancy (monkeys)
 P01HD-06276-03 0062 Mental retardation research program - Adaptation of neonatal brain to ketone body oxidation (rats)
 R01HD-07649-01 Behavioral effects of early malnutrition in monkeys
 R01MH-15606-07 Adaptive behavior in varied high school environments
 R01MH-15965-04 Infant attachment and maternal loss (monkeys)
 ** R01MH-17312-05 Antecedents of competence

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Omitted significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
- RO1MH-24283-01 Development of initiative (human)
- ** RO1MH-24596-01 Coping with novelty-The roots of mastery or fear

PSYCHOLOGY, BEHAVIOR, FREE

- PO1GM-16058-09 0005 Biosensor and subject monitoring system development - Semi-implantable radiofrequency telemetry (primates)
- RO1HD-00941-10 Determinants of amount of reinforcement (rats, guinea pigs, cats)
- RO1HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
- PO1HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques
- RO1HD-06872-02 Endocrine regulation of maternal behavior (rats)
- ** RO1HL-13034-05 Autonomic blood pressures in ambulating hypertensives (human)
- RO1MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis
- ** RO1MH-10316-11 The free behavior situation (rats)
- RO1MH-19617-04 Quantitative studies of primate social groups (baboons)
- ** RO1MH-20169-03 Antecedents and consequences of perceived freedom (human)
- RO1MH-23645-02 0001 Behavior-hormone changes in adolescence - Natural environment (chimpanzee)
- RO1MH-23809-02 Sociometrics of primates (Rhesus monkeys)
- RO1MS-09404-04 Central control of sensory interneurons (insects, mollusks)
- ** RO1NS-10970-02 Limbic neurons (rats)

PSYCHOLOGY, BEHAVIOR, GOAL-STRIVING

- ** PO1HD-03008-07 0017 Cognition and motivation in the retarded - Evaluation of educational intervention programs
- PO1HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
- RO1HD-04602-05 Goals and conditions of population control (human)
- ** PO1HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
- RO1HD-07412-02 Fertility motivation and career conflict in women
- ** RO1MH-02238-15 Childrens achievement development
- RO1MH-19880-02 Behavioral analysis in a community mental health center
- RO1MH-20743-03 The child's creative learning space
- RO1MH-21735-03 The behavioral consequences of androgyny (human)
- RO1MH-23125-02 Supportive resources for black adolescent aspiration
- RO3MH-26213-01 Level of intent and moral intentional judgments (children)

PSYCHOLOGY, BEHAVIOR, IMITATIVE

- PO1HD-00870-11 0001 Communication research with retarded children - Language training of severely retarded
- PO1HD-00870-11 0003 Communication research with retarded children - Generalization of a social response
- PO1HD-00870-11 0008 Communication research with retarded children - Factors affecting the imitation and comprehension of speech
- PO1HD-00870-11 0013 Communication research with retarded children - Direction following
- PO1HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration-Detection of relationships (children)
- ** PO1HD-03008-07 0020 Cognition and motivation in the retarded - Cognitive and motivational determinants of imitiveness
- ** RO1HD-03234-06 Effects of moral inconsistency upon children
- RO1HD-06914-02 Help giving behavior of children
- ** RO1MH-05162-12 Analysis of vicarious psychological processes (human)
- RO1MH-11440-07 Experimental studies in childhood schizophrenia
- RO1MH-19384-04 Self-concept and self-administered verbal rewards in children
- RO1MH-22249-02 Desegregation and prejudice
- ** RO3MH-23399-01 Covert modeling and therapeutic change (human)
- RO1MH-23886-02 The development of prosocial behavior in children
- ** RO3MH-24092-01 Observational learning (rats, pigeons)
- RO1MH-25585-01 Televised violence and tolerance of aggression
- ** RO1MH-26069-01 Cognitive factors in learning by example

PSYCHOLOGY, BEHAVIOR, IMPULSIVE

- ** RO3MH-25612-01 Cognitive tempo & problem-solving competence
- RO3MH-25641-01 Children's conceptual tempo-Accuracy and speed
- RO3MH-26213-01 Level of intent and moral intentional judgments (children)

PSYCHOLOGY, BEHAVIOR, INFORMATION-SEEKING

- SEE ALSO PSYCHOLOGY, BEHAVIOR, EXPLORATORY
- PO1HD-03008-07 0017 Cognition and motivation in the retarded - Evaluation of educational intervention programs
- RO1HD-07363-01 Critical factors in family planning participation (clinic attendants)
- RO1LM-00911-03 Scientific communication within medical research

PSYCHOLOGY, BEHAVIOR, SELF STIMULATION

- PO1AA-00212-06 0004 Oklahoma center for alcohol related studies - Effects of ethanol on behavior and the CNS (rats, cats)
- RO1AA-00215-08 Habituation to alcohol (rats)
- RO1DA-00367-01 Morphine-CNS sites of analgesia and addiction (rats)
- ** RO1DA-00568-01 Effects of drugs on neural reinforcement processes
- ** RO1DA-01002-01 Pharmacodynamics of stimulant self-administration (monkeys)
- ** RO1DA-01049-01 Morphine and the medial forebrain bundle system (rats)
- RO1HD-07717-01 Contraceptive method and female sexual arousal (human)
- PO1HL-10342-09 0004 Cardiovascular, pulmonary, and behavioral studies - Hypothalamus in behavior and physiology of hypoxia and CO hypoxia (rats)
- RO1MH-08493-11 Neural reinforcement of motivated behavior (rats)
- RO1MH-08909-11 Physiological regulation of body weight (rats)
- RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- RO1MH-20811-03 Affective consequences of brain stimulation (rats)
- RO1MH-21741-01 Operant conditioning of hippocampal EEG (cats)
- RO1MH-25281-01 Memory consolidation (rats)
- PO1NS-04053-12 0009 Epilepsy - Electrical concomitants of positive reinforcement (rats)
- PO1NS-09649-04 0011 Research in parkinsonism - Functional interrelations of brain aminergic systems (rats, primates)
- PO1NS-11647-01 0002 Peripheral and central auditory mechanisms - Electrophysiological and behavioral measures of tonal thresholds (rodents)

PSYCHOLOGY, BEHAVIOR, SEX

- SEE ALSO EDUCATION, SEX EDUCATION
- SEE ALSO PSYCHOLOGY, PERSONALITY DEVELOPMENT, PSYCHOSEXUAL DEVELOPMENT
- RO1AA-00232-06 Socialization of problem behavior in youth
- RO1AF-02753-15 Genetics and reproductive biology of Aedes mosquitoes
- RO1AF-09410-05 Endocrinology of mosquito reproduction and behavior
- RO1AF-10587-02 Epidemiology and history of urinary tract infections
- PO1AF-12192-01 0006 Venereal disease research - CMV, HIV, chlamydia, cohort study of infection and disease
- PO1CA-12376-03 0006 Environmental carcinogenesis - Prostate cancer in Negroes
- RO1DA-00140-02 Psychosocial effects of chronic marijuana use (human)
- RO1EY-00573-12 Vision in special environments-Developmental effects (monkeys, cats, rats)
- ** RO1GM-07495-13 The genetics and physiology of behavioral differences (mice)
- RO1GM-18680-03 Effect of beta-alanine on behavior (Drosophila)
- RO1GM-19227-03 Determination of steroids in blood (human)
- RO1HD-00325-18 0002 Longitudinal and related psychohormonal studies - Adult erotic function in female hermaphrodites
- RO1HD-00325-18 0003 Longitudinal and related psychohormonal studies - Turner's syndrome hormonal therapy and erotic function of adults
- RO1HD-00325-18 0007 Longitudinal and related psychohormonal studies - Voluntary amputation and selfmutilation as a paraphilia
- RO1HD-00325-18 0008 Longitudinal and related psychohormonal studies - Women with vaginal atresia
- RO1HD-00325-18 0010 Longitudinal and related psychohormonal studies - Androgen substitution in hypopituitary males
- RO1HD-00325-18 0011 Longitudinal and related psychohormonal studies - Families of reassigned transsexuals
- RO1HD-00325-18 0012 Longitudinal and related psychohormonal studies - Genetic males reared as females
- ** RO1HD-00348-13 Behavioral effects of selected denervation (cats)
- PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- RO1HD-00778-10 Role of the brain in male and female reproduction (rats)

- ** RO1HD-00867-12 Hormonal and neural correlates of reproductive behavior (rats, hamsters)
- ** RO1HD-00893-11 Hormonal control of behavior (rodents)
- RO1HD-00942-12 Animal behavior in field and laboratory environments (Langsur rats, Peromyscus)
- PO1HD-00973-11 0083 Research program on retarded intellectual development - Reciprocal impact of developmentally delayed and advanced siblings (rodents)
- ** RO1HD-01182-12 Ovarian-hypothalamic-hypophysal axis (rats)
- ** PO1HD-02881-07 0004 Developmental and behavioral neuroendocrinology - Sexual dimorphism and sexual differentiation (squirrel monkeys)
- RO1HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
- PO1HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
- PO1HD-03352-07 0008 Wisconsin center on mental retardation - Altered postnatal environment (monkeys)
- ** RO1HD-03619-06 Circadian and hormonal control of sexual behavior (crickets)
- ** PO1HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
- RO1HD-04312-06 Physiologic control of prolactin secretion (rats)
- PO1HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)
- RO1HD-04343-04 Species-Meaningful studies of habitation (sparrows)
- ** RO1HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
- ** RO1HD-04482-05 Endocrine factors in social behavior (doves)
- ** RO1HD-04484-04 Endocrine and neural bases of behavior (rats)
- ** RO1HD-04522-05 Biopsychology of reproduction (rats)
- ** RO1HD-04688-05 Effects of prepupal stress on adult sexual behavior (rats)
- ** RO1HD-05255-03 Pre-adult fertility and family formation (young women)
- RO1HD-05637-03 Reproductive cycles and social behavior of primates (monkeys)
- ** RO1HD-05751-04 Brain mechanisms of reproductive behavior (rats, other vertebrates)
- RO1HD-05853-03 Pregnancy, birth control and abortion (human)
- RO1HD-05865-03 Interaction of hormones of reproduction in the brain (rats, rabbits)
- PO1HD-05876-03 0030 Center for population research - Demography of the life cycle
- ** PO1HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques
- ** PO1HD-05969-03 0011 Events that control fertilization - Selection of sexual partners by female pigtail macaques
- ** PO1HD-05969-03 0012 Events that control fertilization - Dependence of sexual behavior on gonadal steroids (Lemur catta)
- ** PO1HD-05969-03 0013 Events that control fertilization - Sexual behavior of the male rhesus
- PO1HD-06132-01 International institute for study of human reproduction (also primates)
- ** RO1HD-06264-03 Sociopsychological aspects of premarital conception
- RO1HD-06266-02 Psychological factors and fertility behavior in women
- PO1HD-06268-02 Hopkins population center
- RO1HD-06281-03 Change of attitudes toward population policy issues
- RO1HD-06367-03 Psychosocial development
- PO1HD-06645-03 0018 Center for population research - Effects of estradiol on hypothalamus (mammals nonhuman)
- ** RO1HD-06760-03 Neural control of sexual behavior in the rat
- RO1HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
- ** RO1HD-06926-01 Neural regulation of sex behavior in the female (rats)
- ** RO1HD-07024-02 Prediction of family-planning intentions and behavior
- RO1HD-07043-01 Pheromonal communication (rats, mice)
- ** RO1HD-07049-01 Hormones in sexual differentiation and behavior (rats, mice)
- RO1HD-07188-01 Ethnography of poor black women
- ** RO1HD-07242-01 Prolactin, progesterone and broodiness (turkeys)
- RO1HD-07349-01 Effects of perinatal clomiphene on rat sexual behavior
- ** RO1HD-07351-02 Determinants of sexual performance in the rat
- ** RO1HD-07454-02 Human sexual behavior and an olfactory pheromone
- PO1HD-07495-02 0027 Center for population research, studies in reproductive biology - Progesterone interactions with brain neurons
- ** RO1HD-07496-01 Environmental and hormonal control of estrus (hamsters)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
- ** R01HD-07717-01 Contraceptive method and female sexual arousal (human)
- R01HD-08074-01 Prediction of failures in contraceptive planning
- R01HD-08112-01 Socioeconomic determinants of US post-war natality
- ** R01HD-08281-01 Neuroendocrine regulation of reproductive behavior (rats)
- R01HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
- ** N01HD-22754-03 Study of family, career and sexuality
- ** R01MH-02271-17 Psychological studies of behavior (ring doves)
- ** R01MH-04000-14 Determinants of species-specific behavior (dogs, rodents, quail)
- R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- R01MH-10316-11 The free behavior situation (rats)
- ** R01MH-11668-09 0071 Psychosocial factors in health and disease - Sexual behavior in patients with hemodialysis and renal transplantation
- R01MH-11894-09 0005 Comprehensive behavioral studies - Social deprivation (Rhesus monkeys)
- R01MH-13002-06 0023 Clinical and laboratory studies of affective disorder - Unwanted pregnancy, abortion and affective disorders
- ** R01MH-13279-08 Neuroendocrine mechanisms in behavior (rats)
- ** R01MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
- R01MH-14651-07 Comparative study of vocal learning (canaries, blackbirds, housefinch, sparrows)
- R01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
- R01MH-15965-04 Infant attachment and maternal loss (monkeys)
- R01MH-16345-06 Ecology and evolution of altruism (jays)
- ** R01MH-16581-05 Neurophysiological correlates of sexual behavior (rats)
- ** R01MH-16727-09 Ethological studies of behavior (laughing gulls, clapperails)
- ** R01MH-16870-06 Behavioral and endocrine coordination in mammals (mice, hamsters)
- ** R01MH-17384-05 Physiological bases of social behavior (chickens)
- R01MH-18075-05 A comprehensive study of 47, XYY male offenders (human)
- ** R12MH-19348-04 Core support program for research dissemination
- M R01MH-19506-03 Hormones, the brain and primate behavior
- ** R01MH-19506-03 0001 Hormones, the brain and primate behavior - Relationship between sexual initiating behavior and motivational state
- ** R01MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
- ** R01MH-19506-03 0003 Hormones, the brain and primate behavior - Redirection of aggression
- ** R01MH-19506-03 0004 Hormones, the brain and primate behavior - Relation between sexual invitations and aggression
- ** R01MH-19506-03 0005 Hormones, the brain and primate behavior - Grooming activity
- ** R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships
- ** R01MH-19506-03 0007 Hormones, the brain and primate behavior - Individual partner preferences
- ** R01MH-19506-03 0008 Hormones, the brain and primate behavior - Male attractant pheromones
- ** R01MH-19506-03 0009 Hormones, the brain and primate behavior - Male repellent pheromones
- R01MH-19506-03 0010 Hormones, the brain and primate behavior - Chemistry of vaginal secretions
- R01MH-19617-04 Quantitative studies of primate social groups (baboons)
- R01MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
- ** R01MH-19837-03 Behavioral and endocrine coordination (monkeys)
- ** R01MH-20190-03 Effect of gonadal hormones on behavior (rats, mice)
- R01MH-20258-03 Modification of deviant behavior
- ** R01MH-20483-03 Aggressive behavior, dominance rank and testosterone (monkeys)
- ** R01MH-20811-03 Affective consequences of brain stimulation (rats)
- R01MH-21044-04 Reproductive endocrinology of depression
- ** R01MH-21076-02 Courtship in periodical cicadas
- ** R01MH-21178-03 Physiological aspects of mating behavior (rats)
- M R01MH-21312-03 Endocrinological determinants of behavior
- ** R01MH-21312-03 0011 Endocrinological determinants of behavior - Effect of testosterone of infant female (monkeys, guinea pigs)
- ** R01MH-21312-03 0012 Endocrinological determinants of behavior - Early social conditions and development of sexually dimorphic behaviors (monkeys)
- ** R01MH-21312-03 0013 Endocrinological determinants of behavior - Hermaphroditism and sexually dimorphic behavior (Rhesus monkeys)
- ** R01MH-21312-03 0014 Endocrinological determinants of behavior - Gender role characteristics and social context (Rhesus monkeys)
- ** R01MH-21312-03 0015 Endocrinological determinants of behavior - Development of dimorphic behaviors in castrated male rhesus
- ** R01MH-21312-03 0016 Endocrinological determinants of behavior - Quantitative parameters of male sexual response (Rhesus monkeys)
- ** R01MH-21312-03 0017 Endocrinological determinants of behavior - Effects of anesthetic ointments applied to penis of Rhesus monkey and guinea pig
- ** R01MH-21312-03 0019 Endocrinological determinants of behavior - The nature of estrogen conditioning in the female primate (Rhesus monkeys)
- ** R01MH-21312-03 0020 Endocrinological determinants of behavior - Positive feedback of estradiol for LH and behavioral activation (monkeys)
- ** R01MH-21312-03 0021 Endocrinological determinants of behavior - Endocrine influences on motivational systems in the female (monkeys)
- ** R01MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
- ** R01MH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone
- ** R01MH-21735-03 The behavioral consequences of androgyny (human)
- R01MH-21803-02 Behavioral treatment of childhood gender problems
- R01MH-22156-02 The inexpressive male (human)
- R01MH-22316-02 Comparative study of social behavior (birds)
- R01MH-22575-01 Divorce, role and health status and service systems
- M R01MH-22640-02 Regulation of primate behavior
- ** R01MH-22640-02 0001 Regulation of primate behavior - Development of sexual behavior in the male pigtail macaque
- ** R01MH-22640-02 0002 Regulation of primate behavior - Effect of menstrual cycle on sexual interactions in pigtail and bonnet macaques
- ** R01MH-22640-02 0003 Regulation of primate behavior - Hormones and sexual behavior in bonnet and pigtail macaques
- ** R01MH-22640-02 0004 Regulation of primate behavior - Interspecific mating (bonnet and pigtail macaques)
- R01MH-22720-02 Altruistic behavior in children
- R01MH-23645-02 0001 Behavior-hormone changes in adolescence - Natural environment (chimpanzee)
- R01MH-23645-02 0002 Behavior-hormone changes in adolescence - Aggression, submission and reassurance (chimpanzee)
- ** R01MH-23645-02 0003 Behavior-hormone changes in adolescence - Sexual behavior patterns (chimpanzee)
- R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)
- R03MH-23870-01 Hormonal effects on aggression (mice)
- R03MH-23956-01 Social development of primates
- R03MH-24096-01 Analysis of data related to ethology (reptiles)
- R01MH-24279-02 Androgens, brain and behavior (rats, mice, human)
- ** R03MH-24483-01 Behavioral environmental effects on sexual maturation (mice)
- R03MH-24564-01 Plasma testosterone during sleep in man
- R01MH-24594-01 Behavioral communications approach to marital success
- ** R03MH-24619-01 Chemosensory mechanisms of behavioral modulation (lobsters)
- ** R03MH-25016-01 Effect of mass media on children's sex-role behaviors
- ** R03MH-25065-01 Social preferences (hamsters)
- ** R03MH-25191-01 Neural loci of hormone action in behavior (mice)
- R01MH-25525-01 Investment of self in an urban group
- ** R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
- ** R03MH-25828-01 Hormones and behavior (doves, rats)
- ** R03MH-25916-01 Heritability of temporal patterning of behavior (rats)
- ** R03MH-25920-01 Circadian patterns in courtship behavior (lovebirds)
- R03MH-25947-01 Seasonal effects on reproductive states
- R03MH-26166-01 Social interactions in natural populations (mice)
- R01MH-26232-01 Behavioral approach to marital dysfunction
- N01MH-40050-00 Conduct of a workshop on human sexuality
- ** N01MH-40093-00 Intensive training seminar on human sexuality
- R01NS-06673-09 Neuromechanics (frogs, toads)
- ** R01NS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
- R01NS-08902-05 Mechanisms of olfactory communication (gerbils, hamsters)
- M R01NS-10027-03 Neuroendocrine and behavioral correlates of aging
- ** R01NS-10027-03 0001 Neuroendocrine and behavioral correlates of aging - Ovarian hormones in development, systems mediating sex behavior (rats)
- ** R01NS-10027-03 0002 Neuroendocrine and behavioral correlates of aging - Modification by neonatally administered androgen (rats)
- ** R01NS-10027-03 0003 Neuroendocrine and behavioral correlates of aging - Aging process in systems mediating sexual behavior (rats)
- ** R01NS-10027-03 0004 Neuroendocrine and behavioral correlates of aging - Central nervous system lesions and aging of systems mediating sex behavior (rats)
- ** R01NS-10027-03 0005 Neuroendocrine and behavioral correlates of aging - Karyometrics after administration of steroid hormones during development (rats)
- ** R01NS-10027-03 0006 Neuroendocrine and behavioral correlates of aging - Influence of exposure to ovarian hormones prepubertally (rats)
- R01NS-10027-03 0007 Neuroendocrine and behavioral correlates of aging - Aging effects of nuclear volume of hypothalamic neurons (rats)
- R01NS-10970-02 Limbic neurons (rats)
- P01NS-11255-01 Comparative neurobiology (Aplysia, fish, sea lions)
- ** R01NS-11343-01 Hormonal action on central nervous system (rats, frogs)
- P06RR-00166-14 Regional primate research center at University of Washington
- P06RR-00168-13 New England regional primate research center
- M01RR-00626-02 0069 General clinical research center - Assessment procedures for sexual disorders
- M01RR-00626-02 0072 General clinical research center - Short term effects of sexual arousal on testosterone in homo and heterosexual men
- M01RR-00626-02 0079 General clinical research center - Modification of sex role attitudes and behaviors in transsexuals
- M01RR-42141-00 Ecology and breeding of sub-human primates
- PSYCHOLOGY, BEHAVIOR, SUCKING**
- R01HD-03591-07 Experimental and innate factors in early development (humans)
- R01HD-03911-12 Sensory discrimination and learning in human infants
- R01HD-04756-04 Infant auditory perception and learning (human)
- R01HD-06009-03 Passive narcotic addiction in the human newborn
- ** P01HD-06276-03 0017 Mental retardation research program - Stability of motor rhythms in young infants
- P01HD-06276-03 0039 Mental retardation research program - Somatosensory evoked potentials, sucking and swallowing in newborns (human)
- R01HD-06413-01 Preterm infant biorhythms-Interaction and development (human)
- ** R01MH-08604-11 0008 Psychobiology of maternal behavior - Mother-young relationship in guinea pig
- R01MH-18332-05 Temporal organization in behavior and development (human)
- R01MH-22803-02 Social-affective development in infancy (human)
- R01NS-03469-13 Neurological bases of feeding and drinking (rats)
- M01RR-00645-03 0035 Clinical research center - Prolactin (human)
- PSYCHOLOGY, BEHAVIOR ANIMAL**
- SEE ALSO ANIMALS, MIGRATORY*
- SEE ALSO ENVIRONMENT, ORIENTATION, HOMING
- SEE ALSO INFORMATION-COMMUNICATION BEHAVIOR, ANIMAL COMMUNICATION
- SEE ALSO PSYCHOLOGY, BEHAVIOR, ESCAPE REACTION
- SEE ALSO PSYCHOLOGY DEVELOPMENTAL ANIMAL
- R01AA-00498-03 0017 Clinical studies of alcohol use and abuse - Adrenocortical effects of alcohol in mice
- ** R01AA-00950-01 Early alcoholism-Residual effects of offspring
- ** R01AI-00947-18 Neurophysiology and behavior (cockroaches, moths, shrimp)
- R01AI-02753-15 Genetics and reproductive biology of Aedes mosquitoes
- R07AI-10048-14 0005 International center for medical research - Ecological studies within Bustoes of Calcutta (mammals, fish, birds)
- R07AI-10051-14 International center for medical research and training (human, animals)
- R01AI-10708-03 Thermally induced sterility in Aedes aegypti
- ** R22AI-11645-01 Malacological studies in Louisiana and Texas
- R01AI-12020-01 Chemistry of arthropod secretions
- R01AI-12471-01 Thermally induced sterility in Aedes aegypti
- ** R01DA-00053-02 Amphetamine, nervous stimulation and brain amines (mice)
- R01DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01DA-00123-03 Drug preference and multiple addiction in the primate
 R01DA-00127-02 A study of chronic marijuana inhalation (dogs)
 R01DA-00135-03 THC and LSD-Residual effects on social behavior (monkeys)
 ** P01DA-00254-03 0002 Drug abuse basic research center - Self-administration of drugs by Rhesus monkeys
 ** P01DA-00257-03 0002 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in experimental animals
 P01DA-00266-03 0001 Johns Hopkins drug abuse research center - Amphetamine, brain catecholamines and opiate receptors (rats, guinea pigs)
 ** P01DA-00266-03 0004 Johns Hopkins drug abuse research center - Central reward mechanisms-Drug interactions (rats, monkeys)
 ** P01DA-00266-03 0005 Johns Hopkins drug abuse research center - Behavioral pharmacology of narcotics antagonists (primates)
 ** R01DA-00355-02 Marijuana and behavior-Long-term interactions (rats, monkeys)
 R01DA-00532-02 Biochemical psychopharmacology of abused drugs (rats)
 R01DA-00667-02 Abuse liability and potential toxicity of 9 8 THC
 R01DA-01044-01 Neuro-behavioral mechanisms of drug addiction (rats)
 P01ES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
 P01ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
 P01ES-00040-10 0010 Environmental toxicology of pesticides - Psychobiological effects of pesticides (rats, quail)
 R01ES-00552-01 Mouse populations as test systems in toxicology
 R01ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
 R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
 R01EY-00573-12 Vision in special environments-Developmental effects (monkeys, cats, rats)
 R01EY-00735-04 Behavioral analysis of visual system evolution (pigeons)
 R01GM-07495-13 The genetics and physiology of behavioral differences (mice)
 ** P01GM-10402-12 0036 Zoophysiology in Alaska - Alarm reaction
 ** R01GM-18680-03 Effect of beta-alanine on behavior (Drosophila)
 R01GM-19406-03 Genetic dissection of cilia and membrane (paramecia)
 ** R01GM-20731-01 Genetic aspects of social behavior in hymenoptera
 R01GM-20910-01 Membrane alterations in behavioral mutants (Paramecium)
 R01GM-21106-01 Neurological mutants of Drosophila melanogaster
 R01HD-00941-10 Determinants of amount of reinforcement (rats, guinea pigs, cats)
 ** R01HD-00942-12 Animal behavior in field and laboratory environments (kangaroo rats, Peromyscus)
 P01HD-00973-11 0083 Research program on retarded intellectual development - Reciprocal impact of developmentally delayed and advanced siblings (rodents)
 P01HD-00973-11 0085 Research program on retarded intellectual development - Exploratory behavior/concomitant mother-infant communication patterns (monkeys)
 P01HD-00973-11 0086 Research program on retarded intellectual development - Emotions as variables in learning and the development of social skills (monkeys)
 ** P01HD-02274-08 0012 Mental retardation and child development - Behavioral research (monkeys)
 P01HD-02274-08 0044 Mental retardation and child development - Neurophysiology-Firing patterns of epileptic neurons in primates
 P01HD-02274-08 0121 Mental retardation and child development - Cardiovascular correlates of social and emotional behavior (human, monkeys)
 P01HD-02274-08 0122 Mental retardation and child development - Shaping social behavior using electrical brain stimulation as a reward (monkeys)
 P01HD-02274-08 0125 Mental retardation and child development - Effects of maternal contact prior to total isolation rearing (monkeys)
 P01HD-02274-08 0129 Mental retardation and child development - Modification of isolation-induced abnormalities by drugs (monkeys)
 ** P01HD-02274-08 0134 Mental retardation and child development - Primate model for genetic susceptibility to abnormal behavior (monkeys)
 P01HD-02528-08 0058 Research center in mental retardation - Experimental hyperactive behavior
 ** R01HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
 R01HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
 R01HD-03619-06 Circadian and hormonal control of sexual behavior (crickets)
 R01HD-03778-06 The development of social motivation (dogs)
 ** P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 R01HD-04343-04 (sparrows) Species-Meaningful studies of habitation
 R01HD-04379-06 Sequential processes in instrumental learning (rats)
 R01HD-04482-05 Endocrine factors in social behavior (doves)
 R01HD-04484-04 Endocrine and neural bases of behavior (rats)
 ** P01HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys)
 R01HD-04522-05 Biopsychology of reproduction (rats)
 ** P01HD-04612-06 0018 Mental retardation research center - Development of visually evoked responses and associated behaviors (cats)
 ** P01HD-04612-06 0023 Mental retardation research center - Assessment of behavioral performance in infant animals (cats)
 P01HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
 R01HD-05571-03 Prenatal stress-Hormonal and genotypical factors (rats)
 R01HD-05637-03 Reproductive cycles and social behavior of primates (monkeys)
 R01HD-05668-03 Effect of overcrowding malnutrition on growth (rats)
 R01HD-05902-04 Aging in monkeys
 P01HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques
 P01HD-05969-03 0013 Events that control fertilization - Sexual behavior of the male rhesus
 R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 ** P01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
 P01HD-06276-03 0007 Mental retardation research program - Pre- and perinatal influence of gonadal steroids on behavior (rodents)
 R01HD-06572-02 The prediction and elicitation of maternal behavior (mice)
 R01HD-06621-03 Population biology (voles)
 ** R01HD-06770-02 Development of a behavioral phenotype (quail)
 R01HD-06862-02 Environmental effects on rat brain synapses
 R01HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
 R01HD-06872-02 Endocrine regulation of maternal behavior (rats)
 ** R01HD-07043-01 Pheromonal communication (rats, mice)
 R01HD-07049-01 Hormones in sexual differentiation and behavior (rats, mice)
 R01HD-07054-01 Developmental aspects of passive avoidance learning (rats)
 R01HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
 R01HD-07545-01 Antecedents and consequences of overcrowding
 ** R01HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 P01HD-08338-01 0001 Control of male reproduction - Testosterone and gonadotropins in development of aggression (mice)
 P01HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
 R01HD-08346-01 CNS teratology and mental deficiency (ferrets, rats)
 R01HD-08579-01 Fetal origins of primate sensory-motor integration (monkeys)
 R01HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
 P01HL-08214-11 0031 Chemical and biological properties of lipids - Effect of dietary lipids on behavior and brain lipids (rats)
 P17HL-14150-04 0006 Specialized center of research in hypertension - Behavioral modulation of cardiovascular functioning (monkeys)
 P17HL-14150-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (monkeys)
 P17HL-14150-04 0009 Specialized center of research in hypertension - Pharmacological studies of behavior and cardiovascular function (monkeys)
 P17HL-14150-04 0010 Specialized center of research in hypertension - Natural history of behavioral hypertension (monkeys)
 P17HL-14150-04 0012 Specialized center of research in hypertension - Role of kidney in pathogenesis of behavioral hypertension (monkeys, baboons)
 P01HL-15914-01 Experimental atherosclerosis in baboons
 R01MH-00776-21 Experimental analysis of imprinting (aquatic birds)
 ** R01MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
 R01MH-04000-14 Determinants of species-specific behavior (dogs, rodents, quail)
 R01MH-04151-14 0009 Psychology and physiology of sleep - Genetic determination of sleep in mice
 R01MH-04151-14 0010 Psychology and physiology of sleep - Effects of sleep deprivation and amphetamine on performance (rats)
 ** R01MH-04453-14 Early experience and behavior (birds, goats, deer, lemurs)
 R01MH-04849-13 Behavioral analysis of sensory neocortex (insectivores, squirrels, cats, lemurs)
 R01MH-04920-12 Circadian patterns of normal and pathological functions (rats)
 R01MH-08423-10 Memory and interference in classical conditioning (cats)
 ** P01MH-12568-08 0001 Neuropsychopharmacological studies of attention - Animal development-Rats
 P01MH-12568-08 0003 Neuropsychopharmacological studies of attention - Animal brain stem (rats, monkeys)
 P01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
 P01MH-13002-06 0042 Clinical and laboratory studies of affective disorder - Addiction and relationship to affective states (rats)
 R01MH-13279-08 Neuroendocrine mechanisms in behavior (rats)
 R01MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
 R01MH-14651-07 Comparative study of vocal learning (canaries, blackbirds, housefinch, sparrows)
 R01MH-15494-06 The matching law (rats, pigeons, human)
 R01MH-16345-06 Ecology and evolution of altruism (jays)
 R01MH-16384-05 Brain functions and behavior (rats, rabbits, mice)
 ** R01MH-16598-06 Neuroembryology of behavior (birds, opossum)
 P01MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)
 ** R01MH-16727-09 Ethological studies of behavior (laughing gulls, clapperails)
 R01MH-16733-06 Developmental neuropsychology (rats)
 R01MH-16870-06 Behavioral and endocrine coordination in mammals (mice, hamsters)
 R01MH-16929-06 The developmental effects of early maternal separation (rats)
 R01MH-16954-04 Effects of somatosensory deafferentation (monkeys, opossum)
 ** R01MH-16955-05 Neural conditioning and development (mice)
 R01MH-18565-04 Comparative study of social organization (damselfish)
 R01MH-19497-03 Memory processes and retention (rats, mice)
 M R01MH-19506-03 Hormones, the brain and primate behavior
 ** R01MH-19506-03 0001 Hormones, the brain and primate behavior - Relationship between sexual initiating behavior and motivational state
 R01MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
 R01MH-19506-03 0003 Hormones, the brain and primate behavior - Redirection of aggression
 ** R01MH-19506-03 0004 Hormones, the brain and primate behavior - Relation between sexual invitations and aggression
 R01MH-19506-03 0005 Hormones, the brain and primate behavior - Grooming activity
 R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships
 R01MH-19506-03 0007 Hormones, the brain and primate behavior - Individual partner preferences
 R01MH-19506-03 0008 Hormones, the brain and primate behavior - Male attractant pheromones
 R01MH-19506-03 0009 Hormones, the brain and primate behavior - Male repellent pheromones
 R01MH-19506-03 0010 Hormones, the brain and primate behavior - Chemistry of vaginal secretions
 R01MH-19617-04 Quantitative studies of primate social groups (baboons)
 R01MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
 R01MH-19795-03 Learning mechanisms in abdominal ganglion of Aplysia
 R01MH-19837-03 Behavioral and endocrine coordination (monkeys)
 R01MH-20059-02 Neural mechanisms of memory readout (cats)
 R01MH-20483-03 Aggressive behavior, dominance rank and testosterone (monkeys)
 ** R01MH-21076-02 Courtship in periodical cicadas
 R01MH-21312-03 0012 Endocrinological determinants of behavior - Early social conditions and development of sexually dimorphic behaviors (monkeys)
 R01MH-21312-03 0013 Endocrinological determinants of behavior - Hormaphroditism and sexually dimorphic behavior (rhesus monkeys)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-21312-03 0014 Endocrinological determinants of behavior - Gender role characteristics and social context (rhesus monkeys)
- R01MH-21312-03 0015 Endocrinological determinants of behavior - Development of dimorphic behaviors in castrated male rhesus
- R01MH-21312-03 0016 Endocrinological determinants of behavior - Quantitative parameters of male sexual response (rhesus monkeys)
- R01MH-21312-03 0017 Endocrinological determinants of behavior - Effects of anesthetic ointments applied to penis of rhesus monkey and guinea pig
- R01MH-21312-03 0019 Endocrinological determinants of behavior - The nature of estrogen conditioning in the female primate (rhesus monkeys)
- R01MH-21312-03 0020 Endocrinological determinants of behavior - Positive feedback of estradiol for LH and behavioral activation (monkeys)
- R01MH-21312-03 0021 Endocrinological determinants of behavior - Endocrine influences on motivational systems in the female (monkeys)
- R01MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
- R01MH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone
- R01MH-21312-03 0025 Endocrinological determinants of behavior - Role of motherhood in social dynamics (macaques)
- R01MH-22153-02 Information processing and attention (pigeons)
- R01MH-22316-02 Comparative study of social behavior (birds)
- M R01MH-22640-02 Regulation of primate behavior
- ** R01MH-22640-02 0001 Regulation of primate behavior - Development of sexual behavior in the male pigtail macaque
- R01MH-22640-02 0002 Regulation of primate behavior - Effect of menstrual cycle on sexual interactions in pigtail and bonnet macaques
- R01MH-22640-02 0003 Regulation of primate behavior - Hormones and sexual behavior in bonnet and pigtail macaques
- R01MH-22640-02 0004 Regulation of primate behavior - Interspecific mating (bonnet and pigtail macaques)
- R01MH-22881-02 Choice behavior (pigeons)
- R01MH-23008-02 Behavior and ecology of primates (monkeys)
- R01MH-23133-02 Oxygen consumption and the effects of behavioral stress (baboon)
- R01MH-23419-02 Development of aggression and prodation (mice)
- R01MH-23607-02 Experimental masochism and allied phenomena (rats)
- R01MH-23645-02 0001 Behavior-hormone changes in adolescence - Natural environment (chimpanzee)
- R01MH-23645-02 0002 Behavior-hormone changes in adolescence - Aggression, submission and reassurance (chimpanzee)
- R01MH-23645-02 0003 Behavior-hormone changes in adolescence - Sexual behavior patterns (chimpanzee)
- R01MH-23645-02 0006 Behavior-hormone changes in adolescence - Biochemical techniques (chimpanzee)
- R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)
- R01MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
- R03MH-23870-01 Hormonal effects on aggression (mice)
- R03MH-23956-01 Social development of primates
- ** R03MH-23976-01 Behavior genetic variability (mice)
- R01MH-24032-01 The hormonal determinants of behavior (rats)
- ** R03MH-24096-01 Analysis of data related to ethology (reptiles)
- R03MH-24275-01 Rearing conditions (aphasia)
- ** R03MH-24619-01 Chemosensory mechanisms of behavioral modulation (lobsters)
- R03MH-24715-01 Aggression-The developmental role of androgen (mice)
- R03MH-25065-01 Social preferences (hamsters)
- R03MH-25070-01 Time and association in auto-shaped responding (pigeons)
- R03MH-25083-01 Differences in learning dynamics of individuals (goldfish)
- ** R03MH-25284-01 Blockade of hypothalamic behavior with midbrain lesions (rats, mice)
- R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
- R03MH-25352-01 Brain dysfunction, hyperactivity and lead exposure (rats)
- R03MH-25425-01 Neuropsychology of territorial behavior (gerbils)
- R03MH-25507-01 Pheromones and behavior (mice)
- R01MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)
- R03MH-25659-01 Socially induced flight reactions (birds)
- ** R03MH-25747-01 Biological control of placentophagia (rats)
- R03MH-25828-01 Hormones and behavior (doves, rats)
- R03MH-25908-01 Control of oscillation in reinforcement schedules (rats)
- R03MH-25916-01 Heritability of temporal patterning of behavior (rats)
- R03MH-25920-01 Circadian patterns in courtship behavior (lovebirds)
- ** R03MH-26166-01 Social interactions in natural populations (mice)
- R01NS-01941-16 Neurophysiology of food intake (rodents)
- R01NS-03469-13 Neurological bases of feeding and drinking (rats)
- ** R01NS-05423-10 Neural basis of behavior (crayfish)
- R01NS-05721-10 Neurogenesis and development of behavior (chick embryos)
- R01NS-06673-09 Neuromechanics (frogs, toads)
- P01NS-06828-08 0022 Neurophysiology-Sensory systems and cerebral cortex - Visual neurons of area 7
- P01NS-06828-08 0023 Neurophysiology-Sensory systems and cerebral cortex - Neurons of parietal area 5 in relation to movement
- P01NS-06828-08 0024 Neurophysiology-Sensory systems and cerebral cortex - Sensory events in the limb movements, in the waking, behaving monkey
- P01NS-06828-08 0025 Neurophysiology-Sensory systems and cerebral cortex - Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb
- P01NS-06828-08 0029 Neurophysiology-Sensory systems and cerebral cortex - Central nervous mechanism in pain (monkeys)
- P01NS-06828-08 0031 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity in controlled eye movements
- P01NS-06828-08 0032 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity and pattern perception
- P01NS-07512-06 0031 Neuronal development, interaction and organization - Developmental alterations in brains of cretinoid rats
- ** R01NS-08014-07 Genetics and behavior of neurological mutants (Drosophila)
- ** R01NS-08732-04 Communication during behavior (crickets, gulls)
- R01NS-08902-05 Mechanisms of olfactory communication (gerbils, hamsters)
- R01NS-09074-05 Generation of neuronal output patterns (crickets)
- R01NS-09083-04 Behavioral neurophysiology (locust)
- R01NS-09140-04 Internal sensing systems and drinking behavior (rats)
- R01NS-09374-04 Processing of acoustic information (fish)
- ** R01NS-09661-05 Organization of the nervous system (lamprey)
- M R01NS-10027-03 Neuroendocrine and behavioral correlates of aging
- R01NS-10027-03 0001 Neuroendocrine and behavioral correlates of aging - Ovarian hormones in development, systems mediating sex behavior (rats)
- R01NS-10027-03 0002 Neuroendocrine and behavioral correlates of aging - Modification by neonatally administered androgen (rats)
- R01NS-10027-03 0003 Neuroendocrine and behavioral correlates of aging - Aging process in systems mediating sexual behavior (rats)
- R01NS-10027-03 0004 Neuroendocrine and behavioral correlates of aging - Central nervous system lesions and aging of systems mediating sex behavior (rats)
- R01NS-10027-03 0005 Neuroendocrine and behavioral correlates of aging - Karyometrics after administration of steroid hormones during development (rats)
- R01NS-10150-03 Neural systems of ingestive behavior (rats)
- ** R01NS-10336-03 Components controlling behavior (coelenterates, insects)
- R01NS-10409-01 Behavioral role of the cerebellum (rats)
- ** R01NS-10647-01 Studies of spinal response plasticity (cat)
- R01NS-10970-02 Limbic neurons (rats)
- M R01NS-11138-02 Chemical mechanism in corpus striatum and behavior
- R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- R01NS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)
- R01NS-11138-02 0006 Chemical mechanism in corpus striatum and behavior - Nigro-striatal dopamine modulation of behavior and arousal (rats)
- R01NS-11513-01 Neural mechanism of mutant phenotypes (Drosophila)
- R01NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
- P01NS-11647-01 0001 Peripheral and central auditory mechanisms - Auditory systems in desert rodents (kangaroo rats, pocket mice)
- ** P01NS-11647-01 0002 Peripheral and central auditory mechanisms - Electrophysiological and behavioral measures of tonal thresholds (rodents)
- P01NS-11647-01 0008 Peripheral and central auditory mechanisms - Binding of terphenyl hemicholinium-3 by cochlear hair cell nuclei (guinea pigs)
- R01NS-11713-01 Functional studies of the vomeronasal system (snakes)
- R01RR-00902-01 Physiology and behavior in caged random source dogs

PSYCHOLOGY, BEHAVIOR PREDICTION

SEE ALSO PSYCHOLOGICAL TESTS, BEHAVIOR ASSESSMENT-MEASUREMENT*

- P01DA-01073-01 Center, theoretical social research on drug abuse
- N01DA-30219-00 Prediction scales of the intervention type in human drug users and abusers
- N01DA-30227-00 Prediction scales of the prevention type in human drug users and abusers
- R01GM-17369-05 Normal profile study (human)
- P01GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
- P01GM-19489-03 0005 Study of human genetics - Norms for skeletal development in achondroplasia and pseudoxanthoma elasticum
- R01GM-21266-01 Genetic analysis of avoidance behavior in mice
- P01HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
- P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
- P01HD-03110-07 0036 Child development and mental retardation - Assessing attentional processes from aspects of biological activity
- P01HD-04510-06 0006 Center for research in human development - Research alliance with HWCRC institute in Jerusalem (human)
- R01HD-06040-01 Modern control theory applied to population control
- R01HD-08063-01 Overcoming the adverse effects of prematurity
- P01HD-08240-01 0001 Developmental processes in children at risk for MR - The orienting response and its habituation
- P01HD-08240-01 0002 Developmental processes in children at risk for MR - Speech perception
- ** P01HD-08240-01 0003 Developmental processes in children at risk for MR - Speech and language in infants - Prediction of behavior at school age
- P01HD-08240-01 0004 Developmental processes in children at risk for MR - Relationship of conditioning and information processing to intellectual deficit
- P01HD-08240-01 0005 Developmental processes in children at risk for MR - Rehearsal strategies and strategic transfer
- R01HD-08694-01 Auditory function in infancy (human)
- P01HL-09814-09 0032 Research program - Cardiovascular and related disease - Development and standardization of life-change rating scale
- R01HL-15768-02 Quantitative dermatology-xenon skin blood flow (human)
- P01MH-11668-09 0036 Psychosocial factors in health and disease - Behavioral correlations of carcinomatous changes in cervix
- ** P01MH-12972-08 0021 Research program in personality assessment - Multivariate techniques for evaluation and prediction of human behavior
- P01MH-12972-08 0022 Research program in personality assessment - Classification procedures utilizing non-parametric density estimates (human)
- P01MH-12972-08 0024 Research program in personality assessment - Models of judgment processes (human)
- P01MH-12972-08 0025 Research program in personality assessment - Thinking under uncertainty (human)
- P01MH-12972-08 0028 Research program in personality assessment - Bootstrapping human judgments
- R01MH-15828-06 0005 Research in human information processing - Cognitive psychology and analytic philosophy
- R01MH-16796-05 Prediction and prevention of reading failure (human)
- R01MH-18962-03 Prediction of suicide in psychiatric patients (human)
- R01MH-19589-01 Comparative study of communal living arrangements
- R01MH-21574-02 Symptom tolerance and recidivism (human)
- R01MH-23441-01 Adult adjustment predicted from childhood assessment
- R01MH-23450-02 Preparatory training program for psychotherapy
- R03MH-23657-01 Visual-auditory factors in early reading ability
- P01MH-23878-06 Cognitive processes and mathematical psychology
- R01MH-25311-01 Gene-environment interactions and criminality
- R03MH-25396-01 Validity of expectation (children)
- R03MH-25612-01 Cognitive tempo & problem-solving competence
- R01MH-26092-01 Dangerousness and psychiatric commitment study

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
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(contd)

R02NU-00494-01 Post baccalaureate nursing careers, a follow-up study
 N01NU-44127-00 Predictors of successful nursing performance

PSYCHOLOGY, CHOICES AND PREFERENCES

SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL DESIRABILITY
 R01AA-00203-03 Brain stimulation and alcohol preference (rats)
 R01AA-00293-03 Alcohol and behavior—A genetic and biochemical study (rodents, monkeys)
 R01AA-00302-02 0002 Alcohol, tolerance and memory - Voluntary alcohol intake as a measure of metabolic factors in withdrawal (rats)
 ** R01AA-00302-02 0003 Alcohol, tolerance and memory - Taste or systemic effects in alcohol preference (rats)
 R01AA-01245-01 Alcohol effects on behavior—Biochemical correlates (rats, mice, monkeys)
 P02AM-13083-06 0105 Organ transplantation - Sociopsychological study
 R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
 ** N01CP-43316-00 Evaluation of smoker acceptance of less-hazardous cigarettes
 R01DA-00121-01 Construction of a causal model of student drug use
 ** R01DA-00123-03 Drug preference and multiple addiction in the primate
 R01DA-00828-01 Psychological causes of opiate addiction (mice)
 R03DA-00964-01 THC effects—Determination of non-aversive dosages (rats)
 P01HD-00973-11 0065 Research program on retarded intellectual development - Operant research with rats and quail
 R01HD-04212-06 Perception in premature, term and defective infants (human)
 P01HD-05027-05 0009 Developmental psychology - Social comparison processes
 R01HD-05752-03 Discrimination, generalization and effective stimuli (human)
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 P01HD-05969-03 0011 Events that control fertilization - Selection of sexual partners by female pigtail macaques
 R01HD-06770-02 Development of a behavioral phenotype (quail)
 R01HD-06830-03 Effect of therapeutic abortion on unmarried women
 R01HD-07225-01 Birth planning—Values and decisions
 ** R01HD-07396-02 Household formation, fertility, and market activity
 R01HD-07412-02 Fertility motivation and career conflict in women
 ** R01HD-08276-01 The value of children in the US
 R01HD-08287-01 The value of children in the USA
 ** P01HS-00110-11 0038 Medical care and patient care research program (human) - Validating the household survey
 ** P1GHS-00471-06 0019 Health services research center - Persuasive communications and informed consumer choice
 ** R01HS-01241-02 Affiliation with providers and use of medical care
 R01HS-01332-02 Stability of physician staff in large organization
 R01MH-06792-12 Verbal control of behavior in classical conditioning (human)
 P01MH-10006-10 0004 Research center for quantitative psychology - Models of psychological measurement
 R01MH-10316-11 The free behavior situation (rats)
 ** R01MH-11894-09 0006 Comprehensive behavioral studies - Social attachment (Rhesus monkeys)
 ** P01MH-12972-08 0011 Research program in personality assessment - The scaling of choice data (human)
 R01MH-16100-06 Feedback process in punishment and reward (human, monkeys)
 ** R01MH-16928-06 Concurrent choices and concurrent interresponse times (pigeons, human)
 ** R01MH-18246-04 A study of choice behavior (pigeons)
 R01MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
 ** R01MH-20752-03 Factors influencing choice behavior (pigeons)
 ** R03MH-22608-01 Mouth fluid environment and taste preference (rats)
 R03MH-25065-01 Social preferences (hamsters)
 R03MH-25461-01 Life events, stress, and mental distress
 ** R03MH-25772-01 Quantitative aspects of choice behavior (pigeons)
 ** R03MH-26052-01 Contextual influences on individual choice behavior (rats)
 R01NS-09140-04 Internal sensing systems and drinking behavior (rats)
 R01NS-10150-03 Neural systems of ingestive behavior (rats)

PSYCHOLOGY, COGNITION

SEE ALSO ARTS APPRECIATION-ESTHETICS
 SEE ALSO PERSONALITY AND COGNITION RESEARCH REVIEW COMMITTEE
 SEE ALSO PSYCHOLOGY, ATTITUDES, BIAS

SEE ALSO PSYCHOLOGY, LEARNING
 SEE ALSO PSYCHOLOGY, PERFORMANCE
 SEE ALSO PSYCHOLOGY, PERFORMANCE, CREATIVITY-ORIGINALITY
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PERCEPTION
 R01AA-00199-03 Beta adrenergic blocking agents in treatment of alcoholism (human)
 M P01AA-00212-06 Oklahoma center for alcohol related studies
 ** R01AA-00246-05 Alcohol and perceptual cognitive behavior (human)
 R01AA-00291-03 Behavioral and biological correlates of alcoholism (human)
 ** R01AA-00311-03 0009 Metabolic and psychological factors in alcoholism - Cognitive tolerance to the effects of ethanol
 R01AA-00311-03 0010 Metabolic and psychological factors in alcoholism - State dependent phenomena in social interactions and related cognition
 R01AA-00311-03 0014 Metabolic and psychological factors in alcoholism - Emotional and cognitive changes during alcohol consumption and REM deprivation
 ** R01DA-00033-06 Effects of marijuana on perception and cognition (human)
 R01DA-00084-02 Effects of long term drug dependence (human)
 R25DA-00168-03 Drug abuse education by TV production process
 ** R01DA-00670-01 Cognitive dissonance effects on drug attitudes
 P01DE-01899-12 0004 Habilitation of the cleft palate individual - Psychological studies (children, parents)
 R01DE-03350-04 Predicting articulation from cinefluorographic measurement (human)
 ** P01GM-21796-01 Cognitive processes and psycholinguistics
 R01HD-00325-18 0008 Longitudinal and related psychohormonal studies - Women with vaginal atresia
 P01HD-00870-11 0010 Communication research with retarded children - Storing and retrieving information
 P01HD-00870-11 0011 Communication research with retarded children - Relationship between memory processes and language
 ** P01HD-00973-11 0070 Research program on retarded intellectual development - Piavio's depth of processing model applied to the retarded (adolescents)
 ** P01HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
 P01HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration—Detection of relationships (children)
 P01HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration—Construction and utilization of relational contexts
 P01HD-01136-10 0004 Center for research in human learning - Cognition
 P01HD-01136-10 0009 Center for research in human learning - Motor skills and tool using
 R01HD-01725-08 Development of Mnemonic strategies (human)
 P01HD-01799-09 0020 Mental retardation research center - EEG and behavioral observations on neonates and 'boarders'
 P01HD-01799-09 0033 Mental retardation research center - Developmental psychology (human)
 ** R01HD-02026-09 A developmental evaluation of logical operations (human)
 P01HD-02528-08 0020 Research center in mental retardation - Cognitive capacities of the mentally retarded
 ** P01HD-02528-08 0036 Research center in mental retardation - Attention and cognitive styles
 P01HD-02528-08 0088 Research center in mental retardation - Experimental analysis of memory deficits of retarded and deaf children
 ** P01HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
 ** P01HD-03008-07 0018 Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners
 ** P01HD-03110-07 0023 Child development and mental retardation - Longitudinal study on evaluation of infants
 ** P01HD-03110-07 0024 Child development and mental retardation - Curriculum development
 P01HD-03352-07 0027 Wisconsin center on mental retardation - Infant vocalization
 P01HD-03617-06 Intergenerational studies of development and aging (human)
 R01HD-03858-05 Development of habituation in human infants
 R01HD-04128-06 Intervention and critical periods in moral development (human)
 R01HD-04135-06 Developmental-integrative investigation (human)
 R01HD-04212-06 Perception in premature, term and defective infants (human)
 P01HD-04299-05 Intervention and mental health of infants
 P01HD-04510-06 0013 Center for research in human development - Educational research—Basic
 R01HD-04524-06 Psychophysiological aspects of aging (human)

** R01HD-04598-05 Cognitive development
 ** P01HD-04612-06 0025 Mental retardation research center - Development of cognitive competence in ethnic populations
 ** R01HD-04634-04 Cognitive functions of retarded early adolescents
 ** P01HD-05027-05 Developmental psychology
 P01HD-05027-05 0002 Developmental psychology - Studying and memorization strategies
 ** P01HD-05027-05 0004 Developmental psychology - Piagetian studies of facial expression
 P01HD-05027-05 0016 Developmental psychology - Development of complex perceptual motor systems
 ** R01HD-05089-04 Learning and cognitive development in children
 R01HD-05168-04 Processes in understanding and producing sentences (children)
 R01HD-05331-04 Developmental studies of speech perception
 ** R01HD-05354-04 Four preschool programs—Dimension and effects—II
 R01HD-05848-03 Childrens spatial visualization
 P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 P01HD-06276-03 0020 Mental retardation research program - Biological basis of sex difference in cognitive stage (children)
 ** R01HD-06278-04 Neuropsychological assessments of child development
 R01HD-06367-03 Psychosocial development
 R01HD-06420-03 Cognitive processes in verbal learning tasks
 R01HD-06457-02 Imposed and induced learning activities of children
 R01HD-06605-02 Developmental studies of selective attention
 ** R01HD-06669-02 Genetic and environmental bases of human cognition
 R01HD-06750-03 Personal constructs, aging, and impression formation
 R01HD-06841-02 Constructive processes in language comprehension
 R01HD-06885-02 Interaction between human aging and memory
 ** R01HD-06971-02 Observed paternal behavior with preschool children
 R01HD-07037-02 Electrophysiology of eidetic imagery in children (human)
 R01HD-07073-02 Assessment and modification of parental teaching style
 R01HD-07163-02 Visual-auditory equivalence in pattern perception (children, adults)
 R01HD-07200-01 Heritability and mental development
 R01HD-07232-02 Developmental studies of short-term memory (human)
 ** R01HD-07369-01 Generality and correlates of egocentrism in children
 ** R01HD-07372-01 Perceptual-cognitive development in human infants
 ** R01HD-07706-01 Incremental cognitive function in aging
 R01HD-07770-01 (ferret)
 R01HD-08063-01 Overcoming the adverse effects of prematurity
 R01HD-08220-02 Age effects on verbal and non-verbal processes
 P01HD-08240-01 0003 Developmental processes in children at risk for MR - Speech and language in infants—Prediction of behavior at school age
 ** P01HD-08240-01 0006 Developmental processes in children at risk for MR - Acquisition of information organizing strategies
 R01HD-08246-01 Cognitive-semantic bases for early language
 ** R01HD-08393-01 Patterning of cognitive skills in bilingual children
 ** R01HD-08458-01 Cognitive behavior in maturity and old age
 R01HD-08966-01 0007 Early diagnostic studies of aberrant development - Cognitive development (human)
 ** P01HL-07896-13 0009 Environmental biomedical research program - Decompression (human, rats, goats, fish)
 R01HL-14906-02 Behavioral tactics for clinical cardiac control
 ** P18HL-16008-02 0008 Wayne State University comprehensive sickle cell center - Cognitive, affective and behavioral effects of sickle cell trait counseling
 R01MH-02238-15 Childrens achievement development
 ** R01MH-03372-15 0034 Neural mechanisms in behavior - Systems ability and information processing in human brain hemispheres
 R01MH-03916-15 Perceptual factors in emotional conditioning (human)
 R01MH-05162-12 Analysis of vicarious psychological processes (human)
 R01MH-05286-12 0004 Psychophysiology of perception - Levels of processing in speech perception (human)
 R01MH-06671-11 The development of children's naturalistic concepts
 R01MH-06792-12 Verbal control of behavior in classical conditioning (human)

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R01MH-06830-13 Delay of gratification in choice situations (children)

R01MH-07705-11 Studies on comparative psycholinguistics

** R01MH-07722-10 Research on information processing psychology (human)

P01MH-08618-10 0046 Biological studies of psychotic disorders - Effects of subclinical doses of mescaline (human)

P01MH-08667-10 0010 A longitudinal epidemiology of impaired competence - Reaction of mentally retarded to humor stimuli

M P01MH-10006-10 Research center for quantitative psychology

P01MH-10006-10 0002 Research center for quantitative psychology - Simulation of concept learning and problem solving

** P01MH-11668-09 0045 Psychosocial factors in health and disease - Cognitive aspects of fear in phobias

P01MH-11668-09 0084 Psychosocial factors in health and disease - Behavioral aspects of genetic counseling

** R01MH-12043-07 Influence of parental psychosis on child development

R01MH-12507-09 Electrophysiological studies of psychiatric disorder

** P01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)

R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)

M P01MH-12970-08 What makes man human-Trans-or subcortical association

R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)

** R01MH-13950-07 Effect of memory aids on learning and retention

R01MH-14383-05 Altered clinical states

** R01MH-15616-06 Language and cognition in infrahuman primates (chimpanzee, children)

** R01MH-15651-07 Applications of the adjacency principle (human)

M R01MH-15828-06 Research in human information processing

R01MH-15828-06 0002 Research in human information processing - Mental processes for solving visual problems

R01MH-15828-06 0004 Research in human information processing - Organization of attitudes

** R01MH-15828-06 0005 Research in human information processing - Cognitive psychology and analytic philosophy

R01MH-15872-07 Memory and decision factors in verbal learning (human)

R01MH-16037-06 Home learning center approach to early stimulation (children)

** R01MH-16080-06 Ego development and the provenance of thought

** R01MH-16270-07 Sensory information processing (human)

R01MH-16327-06 Determinants of visual perception (human)

** R01MH-16437-06 Using computer graphics to study human judgement

R01MH-16474-05 Computer interaction in psychological scaling

** R01MH-16728-05 Cognitive development and cognitive socialization

** R01MH-16817-05 Cognitive hierarchies

R01MH-16950-06 Group decision-making involving risk

R01MH-17312-05 Antecedents of competence

R01MH-17405-05 Determinants of aggressive behavior (human)

R01MH-18391-04 Sleep psychophysiology and psychopathology (human)

** R01MH-18411-05 Cognitive effects on GSR conditioning and performance (human)

** R01MH-18471-04 Verbal interaction project (human)

R01MH-18949-04 Central neurophysiology of the functional psychoses (human, animals)

** R01MH-19152-04 Cognitive control of pain

** R01MH-19223-05 Reasoning and cognition (children, adults)

** R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias

R01MH-19722-04 Adaptive function of electrodermal activity (human)

R01MH-19864-04 American beliefs about physical and mental illness

** R01MH-20021-04 Cognitive processes in comprehension and deduction (human)

** R01MH-20214-04 Parent education program in the pediatric clinic

R01MH-20372-03 Mental health program for preschool children

R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)

R01MH-20743-03 The child's creative learning space

** R01MH-21051-03 Errors and personalities-Their role in cognition in children

R12MH-21191-03 Developmental consequence of extreme social isolation (human)

R01MH-21230-01 Sentence production and comprehension

** R01MH-21423-03 Locus of control and intellectual development (children)

R01MH-21735-03 The behavioral consequences of androgyny (human)

** R01MH-21747-02 Memory search and decision processes

** R01MH-21795-02 Individual differences in cognition

** R01MH-21989-03 Studies of psychological differentiation (human)

** R01MH-22127-02 Personal causation and development of responsibility

** R01MH-22383-01 Perceptual recognition of real-world scenes

R01MH-22424-02 The causes and consequences of credibility in TV news

R01MH-22560-01 Parent training in preprimary behavioral competence

R01MH-22568-01 Developmental learning and problem solving (human)

R01MH-22743-02 Structural properties of social phenomena

R01MH-22836-02 Children and families vulnerable to mental disorders

P01MH-22916-02 0002 Personality and psychotherapy - Clinical inference

** R01MH-23505-03 The acquisition of linguistic structure (human)

R01MH-23556-02 Infant physiological and behavioral fear expression (human, cats)

** R01MH-23642-02 Some genetic and social factors in cognitive traits

R03MH-23850-01 Lexical retrieval strategies in sentence comprehension

M P01MH-23878-06 Cognitive processes and mathematical psychology

P01MH-23878-06 0033 Cognitive processes and mathematical psychology - Verb as main determinant of sentence meaning

R01MH-23884-02 Determinants of mental health (children)

** R01MH-23903-02 Early patterns of cognitive development

R01MH-23939-02 Decoding information from memory

** R01MH-23957-02 Psycholinguistic investigations

** R01MH-24005-02 Effects of evaluation on infant cognitive development

R01MH-24027-01 The speech mode and categorical perception

R01MH-24149-01 Measurement studies in personality and cognition

R01MH-24194-01 Symbol formation through toys, pictures and words

R01MH-24316-01 Processing and formation of natural categories (human)

R01MH-24492-01 Development of semantic and visual organization

R01MH-24804-01 Respondent mentation and responses to life situations

R01MH-24849-01 Development of self recognition in infancy

R01MH-24859-01 Program factors and student outcomes in success schools

** R01MH-25169-01 Cultural variations in cognitive structure

R01MH-25218-01 Spatial reasoning in problem solving

R01MH-25360-01 Effects of early training on infant discrimination (human)

R03MH-25612-01 Cognitive tempo & problem-solving competence

R03MH-25793-01 Socio-economic factors in emerging entrepreneurship

R03MH-25827-01 Interpersonal stereotyping-A cognitive approach

R01MH-25845-01 Sleep mentation and functional hemispheric asymmetry

R03MH-26049-01 Interracial perception and interaction

R01MH-26069-01 Cognitive factors in learning by example

R01MH-26073-01 Elementary information processing (human)

P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia

R01NS-04003-11 Acoustic specification of speech (human)

P01NS-06209-09 0001 Boston University aphasia research center - Psychological research (human, monkeys)

R01NS-09590-04 Communication skills in deaf and hearing children

R01NS-11408-01 Communication in aphasia-Mechanisms and rehabilitation (human)

P01NS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)

R01NS-11639-01 Hemispheric specialization for cognitive mode

R02NU-00430-03 Altering patients responses to threatening events

M01RR-00069-12 0042 General clinical research center, children - Phenylketonuria collaborative study

M01RR-00128-10 0076 General clinical research center for children - Cognitive and sensory-motor performance in sex development disorders

PSYCHOLOGY, COGNITION, AWARENESS

SEE ALSO PSYCHOLOGY, COGNITION, CUES

R18AA-00063-01 Alcoholism outreach program in Fairfax County, Virginia

** R18AA-00417-01 Employee assistance program

R18AA-00924-02 Center for drinking problem

R18AA-00928-02 Inner city council on alcoholism

R18AA-01618-01 Young people residential center

** R18AA-01642-01 Social Development center

R18AA-01704-01 Pikes Peak alcoholism service division

R18AA-01752-01 Expansion of state occupational alcoholism services

R18AA-01767-01 Kentucky occupational alcoholism programs

R18AA-01797-01 Alaska state alcoholism program

R18AA-01805-01 State prevention coordination program

R18AA-01807-01 Vermont state prevention coordinator program

R18AA-01833-01 Texas alcoholism prevention program

P01HD-01136-10 0004 Center for research in human learning - Cognition

P01HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)

P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions

P01HD-07329-02 0002 Input structure and retardate performance - External emphasis on recognition and use of redundancy

P01HD-07329-02 0003 Input structure and retardate performance - Recall and recognition of visual and auditory stimuli

P01HD-07329-02 0004 Input structure and retardate performance - Van Restorff effect in recall and recognition of visual and auditory stimuli

P01HD-07329-02 0005 Input structure and retardate performance - Recall and recognition of clustered and isolated visual and auditory stimuli

R01HD-07363-01 Critical factors in family planning participation (clinic attendants)

R01HD-08546-01 Crowding and development of spatial behavior (adults, children)

R01HD-08966-01 0007 Early diagnostic studies of aberrant development - Cognitive development (human)

P17HL-14174-04 0006 Atherosclerosis behavioral and epidemiological studies - Behavioral component (human)

** N01MB-44183-00 Physician awareness and utilization of physician's assistants

** R01MH-01206-18 Behavior without awareness (human)

R01MH-16952-05 Interpersonal control processes (human)

R01MH-18411-05 Cognitive effects on GSR conditioning and performance (human)

R01MH-20021-04 Cognitive processes in comprehension and deduction (human)

** R01MH-26169-01 Nature of certain linguistic abilities

PSYCHOLOGY, COGNITION, CONCENTRATION

P01GM-15904-07 0030 Anesthesiology center for research and teaching - Situational factors and pain

** P01HL-10539-09 0023 Pathophysiology of circulation - Meditative states and their application to disease states (human)

R01HL-15461-02 Hemoprotein interactions-Models of sickle hemoglobin (whale, tuna, insects)

PSYCHOLOGY, COGNITION, CONCEPT

** P01AA-00212-06 0006 Oklahoma center for alcohol related studies - Cognitive functioning in alcoholism (human)

P01HD-00870-11 0006 Communication research with retarded children - Semantic development laboratory

P01HD-01136-10 0004 Center for research in human learning - Cognition

P01HD-01799-09 0033 Mental retardation research center - Developmental psychology (human)

P01HD-02528-08 0063 Research center in mental retardation - Concept acquisitions

P01HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)

** P01HD-03110-07 0021 Child development and mental retardation - School age research

R01HD-03215-07 Conceptual development and language comprehension

** P01HD-03352-07 0027 Wisconsin center on mental retardation - Infant vocalization

R01HD-04598-05 Cognitive development

P01HD-05124-04 0004 Mental retardation-Behavioral and neurologic aspects - Discrimination of sameness in a complex display

R01HD-06885-02 Interaction between human aging and memory

R01HD-07200-01 Heritability and mental development

P01HD-07329-02 0015 Input structure and retardate performance - Concept utilization, strategy training and academic performance

R01HD-07360-01 The ontogenesis of the comprehension of WH-questions

R01HD-08980-01 Changes in semantic memory in maturity and old age

R01MH-02035-17 Learning and perception (rats)

** R01MH-03372-15 0033 Neural mechanisms in behavior - Lateralization of concept-formation in human cerebral hemispheres

R01MH-03372-15 0034 Neural mechanisms in behavior - Systems ability and information processing in human brain hemispheres

R01MH-05753-13 Growth and family patterns in childhood schizophrenia

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RO1MH-06671-11 The development of children's naturalistic concepts
 RO1MH-07705-11 Studies on comparative psycholinguistics
 RO1MH-07722-10 Research on information processing psychology (human)
 RO1MH-07809-11 A quantitative analysis of judgment (human)
 ** PO1MH-10006-10 0002 Research center for quantitative psychology - Simulation of concept learning and problem solving
 RO1MH-11857-08 A theory of hypothesis behavior in human learning
 RO1MH-14314-06 Behavioral processes in conceptual rule learning
 RO1MH-15616-06 Language and cognition in infrahuman primates (chimpanzee, children)
 RO1MH-16728-05 Cognitive development and cognitive socialization
 RO1MH-20021-04 Cognitive processes in comprehension and deduction (human)
 RO1MH-21196-03 Cultural indicators
 RO1MH-21288-03 Concept development
 RO1MH-21724-02 Sub-cultural conceptions of mental illness
 RO1MH-21979-02 Verbal mediation in problem solving
 PO1MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
 ** PO1MH-23878-06 0020 Cognitive processes and mathematical psychology - Conjunctive and disjunctive concept learning (human)
 PO1MH-23878-06 0021 Cognitive processes and mathematical psychology - Dimensional saliency and decision rules in problem solving
 RO1MH-25585-01 Televised violence and tolerance of aggression
 ** RO1NS-10577-02 0006 Normal and pathological human brain function - Focusing behavior during concept formation by amnesic Korsakoff patients

PSYCHOLOGY, COGNITION, CONSCIOUSNESS

PO1HL-10436-09 0014 Congenital heart disease - Cardiovascular pharmacology in the intact conscious dog
 RO1MH-08853-10 Instrumental properties of human autonomic functions
 RO1MH-15828-06 0005 Research in human information processing - Cognitive psychology and analytic philosophy
 RO1MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
 ** RO1NS-08528-06 Brain metabolism and systemic disease (rats, mice)
 PO1NS-10828-01 0005 An interdepartmental stroke program - Neurochemical changes accompanying alterations in cerebral circulation (animals)
 ** MO1RR-00645-03 0056 Clinical research center - State of consciousness and hormonal control of water balance (human)

PSYCHOLOGY, COGNITION, CUES

SEE ALSO PSYCHOLOGY, COGNITION, AWARENESS
 P17AM-17624-01 0006 Obesity center - Regulation of energy intake (human)
 P17AM-17624-01 0008 Obesity center - Hormonal responses to food related cues in lean and obese subjects
 PO1GM-18940-02 0003 Study of radiologic images - System and observer performance
 RO1HD-00926-13 Recognition and recall during acquisition and retention (human)
 PO1HD-00973-11 0066 Research program on retarded intellectual development - Intraindividual variability (human)
 PO1HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
 PO1HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration - Construction and utilization of relational contexts
 PO1HD-01136-10 0011 Center for research in human learning - Reading (children)
 PO1HD-01136-10 0012 Center for research in human learning - Speech perception
 PO1HD-01994-09 0001 Nature and acquisition of speech code and reading - Speech code and language processing
 PO1HD-02274-08 0033 Mental retardation and child development - Experimental education unit
 RO1HD-05752-03 Discrimination, generalization and effective stimuli (human)
 PO1HD-05951-03 0003 Cognition in the retarded child - Vocational skill training
 RO1HD-06730-02 Beginning and fluent reading
 RO1HD-06864-02 Control processes in the memory of retarded children
 RO1HD-07075-01 0002 Reading, crossmodal transfer and stimulus control - Reading and crossmodal transfer of stimulus equivalences (children)
 PO1HD-08240-01 0006 Developmental processes in children at risk for MR - Acquisition of information organizing strategies
 RO1MH-11976-10 Communication through nonverbal behavior
 PO1MH-12972-08 0023 Research program in personality assessment - Individual differences in human judgments

PO1MH-12972-08 0024 Research program in personality assessment - Models of judgment processes (human)
 PO1MH-12972-08 0025 Research program in personality assessment - Thinking under uncertainty (human)
 RO1MH-13558-08 Pavlovian conditioning and avoidance behavior (dogs)
 RO1MH-13950-07 Effect of memory aids on learning and retention
 RO1MH-15651-07 Applications of the adjacency principle (human)
 RO1MH-15828-06 0001 Research in human information processing - Judgement in children
 RO1MH-15828-06 0009 Research in human information processing - Role of stimulus processing on recognition memory
 RO1MH-16400-06 Conditioning and response organization (human)
 RO1MH-20584-02 Mechanisms of directed forgetting
 RO1MH-21105-03 Recognition of spatial and temporal visual patterns (human)
 RO1MH-21895-02 Discrimination of event frequency-A power of memory
 PO1MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
 PO1MH-22916-02 0002 Personality and psychotherapy - Clinical inference
 ** RO1MH-23563-01 Multiple-cue probability learning and judgement
 PO1MH-23878-06 0016 Cognitive processes and mathematical psychology - Retrieval process in free recall (human)
 PO1MH-23878-06 0021 Cognitive processes and mathematical psychology - Dimensional saliency and decision rules in problem solving
 PO1MH-23878-06 0026 Cognitive processes and mathematical psychology - Response to compound stimuli
 PO1MH-23878-06 0031 Cognitive processes and mathematical psychology - Criterion shifts in recall
 RO1MH-24115-01 Signaling and affective functions in conditioning (rats)
 RO3MH-24509-01 Generalization of conditioned adaptation (human)
 RO3MH-24614-01 Adult-child interaction and social valence
 RO3MH-25052-01 Effect of training methods on gradients of inhibition (pigeons)
 RO1MH-25229-01 Externality and children's problem solving strategies
 RO1MH-25344-01 Comparison of recognition and recall
 RO1MH-25360-01 Effects of early training on infant discrimination (human)
 RO3MH-25747-01 Biological control of placentophagia (rats)
 RO3MH-25868-01 Perceptual span and peripheral cues in reading
 RO3MH-25883-01 Development of continuous repertoires (pigeons)
 RO3MH-25889-01 Emotion communication and aggressive delinquency
 ** RO3MH-25913-01 The perception of correlations between cues

PSYCHOLOGY, COGNITION, DECISION MAKING

SEE ALSO PSYCHOLOGY, GAME THEORY
 R18AA-00470-01 Services for problem drinking drivers
 ** R18AA-01791-01 Task force on responsible decisions about alcohol
 R18AA-01828-01 State prevention coordinator program
 R18AA-01833-01 Texas alcoholism prevention program
 ** PO2CA-11051-06 0026 Clinical radiation research center - Game and decision theory in oncology
 M RO1CA-14088-02 Decision-aiding methodology for leukemia chemotherapy
 ** RO1CA-14088-02 0005 Decision-aiding methodology for leukemia chemotherapy - Explorer/optimizer (human)
 RO1CA-15250-01 Decision making for patients with acute leukemia
 NO1CO-45408-00 National cancer program-management information system
 NO1CO-45425-01 Resources analysis and planning for MCP
 RO1DA-00067-04 Marijuana effects on lung and electroencephalogram (human)
 R25DA-00931-01 Drug abuse prevention program
 ** PO1DA-01097-01 0017 Center for socio-cultural research on drug use - Study of opinion leads
 NO1DA-40161-00 Client oriented data acquisition process system
 ** PO1GM-20124-02 0011 Center for human genetics and inherited disease - Genetic counseling-Demand, supply and quality
 PO1HD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
 RO1HD-05853-03 Pregnancy, birth control and abortion (human)
 ** RO1HD-07116-01 Simulation of birth planning decision policies
 ** RO1HD-07225-01 Birth planning-Values and decisions
 RO1HD-07396-02 Household formation, fertility, and market activity
 RO1HD-07397-02 Population study of rural migrants in urban areas
 ** NO1HD-12037-13 Kin network and population dynamics

PO1HS-00110-11 0013 Medical care and patient care research program (human) - Health benefit analysis
 ** PO1HS-00110-11 0039 Medical care and patient care research program (human) - Corporate decision-making in health sector
 P16HS-00429-04 0007 Health services research and development center - Health assessment program (HAP)
 P16HS-00472-06 0022 Health services research center - Incentive reimbursement experiment
 P16HS-00472-06 0028 Health services research center - Health policy research
 ** P16HS-00472-06 0042 Health services research center - Description of some incentive reimbursement plan
 P16HS-00472-06 0045 Health services research center - Evaluation of HHS's incentive reimbursement experiment
 PO1HS-00620-04 0008 Multiple effects of alternative health care services - Consumer evaluation study
 R18HS-00702-03 Outcome measurement using a health status index (human)
 ** RO1HS-00773-03 Emerging patterns of health care for young people
 ** R21HS-00856-02 Decision analysis in regional health care planning
 PO1HS-01053-03 0001 Automated health services - Decision-making from clinical laboratory data (human)
 ** PO1HS-01053-03 0019 Automated health services - Physical examination computerization (human)
 R21HS-01165-02 Time in demand and supply of medical care
 ** R18HS-01222-02 Decision analysis for concurrent medical review
 RO1HS-01413-01 Comparative study of health program design strategies
 RO1HS-01495-01 Federal program implementation in selected states
 RO1HS-01532-01 Hospital cost functions, shared services and mergers
 R18HS-01544-01 Computer based consultation in clinical therapeutics
 RO1HS-01582-01 Economic analysis Washington state nursing home data
 ** RO1HS-01628-01 Use of research findings in policy decisions
 R21HS-01658-01 Models for health care decentralization
 RO1LM-02211-01 Extended utilization of biomedical information
 ** RO1MH-06580-12 Some parameters of decision-making
 RO1MH-06686-12 Correlation of EEG and behavior (cats, rabbits)
 ** PO1MH-10006-10 0001 Research center for quantitative psychology - Human decision behavior
 ** PO1MH-12972-08 0026 Research program in personality assessment - Information processing in judgment and decision making-Decade of research
 ** PO1MH-12972-08 0027 Research program in personality assessment - Techniques for enhancing the subjective optimality of decisions (human)
 RO1MH-15521-06 Problem solving behavior of family groups (human)
 ** RO1MH-15872-07 Memory and decision factors in verbal learning (human)
 ** RO1MH-16950-06 Group decision-making involving risk
 RO1MH-18135-04 Self-image and family dynamics in transplantation (human)
 RO1MH-20221-02 Methods to promote growth in marital relationships
 ** RO1MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
 RO1MH-21735-03 The behavioral consequences of androgyny (human)
 RO1MH-21747-02 Memory search and decision processes
 RO1MH-21795-02 Individual differences in cognition
 ** RO1MH-22834-02 Mexican-American matriculation and retention rates (universities)
 ** RO1MH-23563-01 Multiple-cue probability learning and judgement
 RO1MH-23664-02 Teenage youth in new town setting
 ** RO3MH-24668-01 Cross-cultural study of decision making
 ** RO1MH-24880-01 The process of choosing (human)
 RO1MH-25323-01 How policymakers and urban public see social security
 RO1MH-25525-01 Investment of self in an urban group
 ** RO3MH-25814-01 Decision making in natural settings (human)
 RO1MH-25996-01 Unseen community-Marginal urban population
 RO3MH-26002-01 Multi-solution analysis of problem solving
 ** NO1MH-30246-00 Monograph on juvenile and criminal justice system
 ** NO1MH-40030-00 Relationship between evaluation study results and program
 ** NO1MH-40038-00 Child abuse-Formal and informal decision-making processes
 NO1MH-40049-00 Mental health related human service for the criminal justice system
 NO1MH-40090-00 Program evaluation in state mental health agency
 PO1NS-03360-14 0012 Neurological clinical research center-Epilepsy - Reflex epilepsy (human)
 RO1NS-11153-01 Intensity perception (human)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

PSYCHOLOGY, COGNITION, DECISION MAKING, CHOICE

- P01DA-00254-03 0002 Drug abuse basic research center - Self-administration of drugs by Rhesus monkeys
- ** R01HD-07118-01 Life change events in seeking elective abortion
- R01HD-07144-01 Fertility and child development impact of AFDC
- ** R01HD-07268-01 Contraception, abortion and couple decision-making (Israel)
- R01HD-07323-01 Motivation, roles and family planning of women
- R01HD-07363-01 Critical factors in family planning participation (clinic attendants)
- ** R01HD-07739-01 Decision making on unplanned pregnancies
- ** R01MH-06830-13 Delay of gratification in choice situations (children)
- ** P01MH-12972-08 0025 Research program in personality assessment - Thinking under uncertainty (human)
- R01MH-15828-06 0004 Research in human information processing - Organization of attitudes
- R01MH-16100-06 Feedback process in punishment and reward (human, monkeys)
- R01MH-16950-06 Group decision-making involving risk
- R01MH-19006-04 Models of memory and time processes
- ** R01MH-22881-02 Choice behavior (pigeons)
- ** R01MH-23254-01 Neuronal substrates of choice and learning (gastropods)
- R01MH-23527-02 Role of similarity in social influence processes
- P01MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
- P01MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)
- P01MH-23878-06 0022 Cognitive processes and mathematical psychology - Reward values and number concepts in children's discrimination learning
- P01MH-23878-06 0023 Cognitive processes and mathematical psychology - Probability learning (human)
- R01MH-24134-02 Effects of extrinsic rewards on intrinsic motivation
- ** R03MH-24718-01 Social effects in a choice reaction time paradigm
- ** R03MH-25077-01 Concurrent performances in retarded children
- R01MH-25586-01 Factors affecting the decision relevance of research
- R03MH-25726-01 Effects of withheld evidence on juror decisions
- R03MH-25736-01 Actor-observer differences in attributions of causality
- ** R03MH-26052-01 Contextual influences on individual choice behavior (an)
- R01MH-26239-01 Human self regulation

PSYCHOLOGY, COGNITION, EXPECTANCY

- P01HD-01136-10 0002 Center for research in human learning - Reaction time and information processing (human)
- P01HD-01136-10 0004 Center for research in human learning - Cognition
- ** P01HD-01799-09 0046 Mental retardation research center - Parent's expectations, health care clinic and communication
- P01HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
- P01HD-03008-07 0022 Cognition and motivation in the retarded - Tendency of children to give socially desirable response
- P01HD-03008-07 0023 Cognition and motivation in the retarded - Components of effectiveness motivation in normal and retarded children
- P01HD-03008-07 0026 Cognition and motivation in the retarded - Curiosity in the classroom and measurement of attitudes towards school
- R01HD-04524-06 Psychophysiological aspects of aging (human)
- P01HD-05027-05 0004 Developmental psychology - Piagetian studies of facial expression
- P01HD-05027-05 0015 Developmental psychology - Practical aspects of perceptual development
- R01HD-05665-03 Relocation in old age-Health and psychosocial impact
- R01HD-07363-01 Critical factors in family planning participation (clinic attendants)
- R01HD-08112-01 Socioeconomic determinants of US post-war natality
- ** R01HD-08546-01 Crowding and development of spatial behavior (adults, children)
- R01HD-08952-01 Locus of control, aspiration and competence in children
- R01MH-02238-15 Childrens achievement development
- R01MH-04618-12 Psychotherapy of psychiatric outpatients
- R01MH-06580-12 Some parameters of decision-making
- R01MH-06830-13 Delay of gratification in choice situations (children)

- R01MH-08954-10 Methodology of outpatient drug research (human)
- ** P01MH-12970-08 0004 What makes man human-Trans- or subcortical association - Psychological functions in expectancy (children, monkeys)
- R01MH-16728-05 Cognitive development and cognitive socialization
- R01MH-19152-04 Cognitive control of pain
- R01MH-21574-02 Symptom tolerance and recidivism (human)
- R01MH-23262-02 Assimilation of Latin American minorities in the US
- R01MH-23468-01 Women's liberation-Is the definition class-bound?
- ** R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
- R01MH-23542-02 Structural origins of sex differences in achievement (England)
- R01MH-24134-02 Effects of extrinsic rewards on intrinsic motivation
- R03MH-24718-01 Social effects in a choice reaction time paradigm
- ** R01MH-24940-01 Non-verbal mediators of teacher expectancy effects
- ** R03MH-25396-01 Validity of expectation (children)
- ** R03MH-25736-01 Actor-observer differences in attributions of causality
- R03MH-25737-01 Social conflict in industrial societies
- R01MH-26112-01 The persuasive power of discrepant minorities
- ** R02NJ-00430-03 Altering patients responses to threatening events

PSYCHOLOGY, COGNITION, INSIGHT

SEE ALSO PSYCHOLOGY, EMOTIONS, EMPATHY

- ** R01HD-07768-01 Emergence of linguistic intuitions in children
- R03MH-25815-01 Development of role- and conceptual perspective-taking (children)

PSYCHOLOGY, COGNITION, JUDGMENT

SEE ALSO PSYCHOLOGY, ATTITUDES, IMPRESSION

- N01CO-45425-01 Resources analysis and planning for NCP
- R01DA-00069-04 Toxicology of marijuana in animals and man
- P01GM-18674-03 0013 Diagnostic radiology research and training center - Perceptual errors in diagnostic radiology
- P01GM-18940-02 0003 Study of radiologic images - System and observer performance
- P01GM-19428-03 0011 Computer aided biomedical pattern recognition - Diagnostic radiology (human)
- R01HD-03234-06 Effects of moral inconsistency upon children
- R01HD-04128-06 Intervention and critical periods in moral development (human)
- P01HD-05027-05 0009 Developmental psychology - Social comparison processes
- ** R01HD-06519-02 Social influence on childrens standards
- R01HD-07307-02 The development of space perception in children
- P01MH-05519-13 0021 Psychosomatic clinical research center - Perceptual memory for numerosness in schizophrenia
- ** R01MH-07809-11 A quantitative analysis of judgment (human)
- R01MH-12717-08 Information processing and retrieval
- ** P01MH-12972-08 0023 Research program in personality assessment - Individual differences in human judgments
- ** P01MH-12972-08 0024 Research program in personality assessment - Models of judgment processes (human)
- ** P01MH-12972-08 0025 Research program in personality assessment - Thinking under uncertainty (human)
- ** P01MH-12972-08 0026 Research program in personality assessment - Information processing in judgment and decision making-Decade of research
- P01MH-12972-08 0027 Research program in personality assessment - Techniques for enhancing the subjective optimality of decisions (human)
- ** P01MH-12972-08 0028 Research program in personality assessment - Bootstrapping human judgments
- ** R01MH-15828-06 0001 Research in human information processing - Judgement in children
- R01MH-15828-06 0004 Research in human information processing - Organization of attitudes
- R01MH-15828-06 0008 Research in human information processing - The 'same' response as a template match
- R01MH-16474-05 Computer interaction in psychological scaling
- R01MH-16728-05 Cognitive development and cognitive socialization
- R01MH-21895-02 Discrimination of event frequency-A power of memory
- R01MH-22212-01 Adolescent and adult outcomes and child behavior
- R01MH-22296-02 Variables influencing pain produced by electric shock (human)
- ** P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
- P01MH-22916-02 0002 Personality and psychotherapy - Clinical inference

- ** R01MH-23516-02 Information integration in juror judgments
- R01MH-23527-02 Role of similarity in social influence processes
- ** R01MH-23563-01 Multiple-cue probability learning and judgement
- P01MH-23878-06 0027 Cognitive processes and mathematical psychology - Deductive reasoning in children
- P01MH-23878-06 0032 Cognitive processes and mathematical psychology - Semantic similarity
- ** R03MH-24023-01 Drawing inferences from a passage of text
- R03MH-25913-01 The perception of correlations between cues
- R03MH-26213-01 Level of intent and moral intentional judgments (children)
- R01NS-10094-03 Mirror-image and hemispheric specialization (children, adults)

PSYCHOLOGY, COGNITION, LOGIC

- R01HD-01725-08 Development of Mnemonic strategies (human)
- ** R01HD-02026-09 A developmental evaluation of logical operations (human)
- R01HD-04598-05 Cognitive development
- R01MH-05753-13 Growth and family patterns in childhood schizophrenia
- R01MH-14314-06 Behavioral processes in conceptual rule learning
- R01MH-20021-04 Cognitive processes in comprehension and deduction (human)
- ** P01MH-23878-06 0027 Cognitive processes and mathematical psychology - Deductive reasoning in children

PSYCHOLOGY, COGNITION, NUMBER SENSE

- ** R01HD-03742-06 Sex linked traits in Turners syndrome-Family study
- R01HD-04598-05 Cognitive development
- R01HD-06648-02 A family study of the genetics of special abilities
- ** R01MH-16817-05 Cognitive hierarchies
- ** P01MH-23878-06 0022 Cognitive processes and mathematical psychology - Reward values and number concepts in children's discrimination learning
- ** P01MH-23878-06 0024 Cognitive processes and mathematical psychology - Learning to estimate average values
- R01MH-23939-02 Decoding information from memory
- R01MH-25218-01 Spatial reasoning in problem solving

PSYCHOLOGY, COGNITION, PROBLEM SOLVING

- ** P01AA-00212-06 0006 Oklahoma center for alcohol related studies - Cognitive functioning in alcoholism (human)
- N01DA-04165-00 Acute effects of cocaine on complex human performance
- ** P01HD-00973-11 0058 Research program on retarded intellectual development - Juvenile monkeys exposed to responsive and nonresponsive environments
- P01HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts
- R01HD-01725-08 Development of Mnemonic strategies (human)
- ** P01HD-03110-07 0021 Child development and mental retardation - School age research
- P01HD-05027-05 0012 Developmental psychology - Tool using behavior in children and infants
- P01HD-05951-03 0002 Cognition in the retarded child - Learning and transfer
- ** R01HD-07201-01 Influence of mother and sib on child's problem solving
- ** P01HS-00110-11 0037 Medical care and patient care research program (human) - Disenrollment in prepaid group practice
- ** P01HS-01053-03 0003 Automated health services - Computer assisted instruction
- P01HS-01053-03 0006 Automated health services - Health evaluation through logical processing (human)
- R01MH-07722-10 Research on information processing psychology (human)
- ** P01MH-10006-10 0002 Research center for quantitative psychology - Simulation of concept learning and problem solving
- ** R01MH-11857-08 A theory of hypothesis behavior in human learning
- ** R01MH-14314-06 Behavioral processes in conceptual rule learning
- ** R01MH-15521-06 Problem solving behavior of family groups (human)
- ** R01MH-15828-06 0002 Research in human information processing - Mental processes for solving visual problems
- R01MH-17312-05 Antecedents of competence
- R01MH-20221-02 Methods to promote growth in marital relationships
- ** R01MH-20372-03 Mental health program for preschool children
- R01MH-20757-02 Research on violence prevention by police
- R01MH-21010-03 Strategies for change and knowledge utilization (education)
- R01MH-21735-03 The behavioral consequences of androgyny (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-21795-02 Individual differences in cognition
 R01MH-21979-02 Verbal mediation in problem solving
 R01MH-22568-01 Developmental learning and problem solving (human)
 R01MH-22742-02 Group work in treatment of adults
 P01MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)
 P01MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
 R01MH-23878-06 0021 Cognitive processes and mathematical psychology - Dimensional saliency and decision rules in problem solving
 R01MH-24804-01 Respondent mentation and responses to life situations
 R01MH-25218-01 Spatial reasoning in problem solving
 R01MH-25229-01 Externality and children's problem solving strategies
 R03MH-25612-01 Cognitive tempo & problem-solving competence
 R03MH-25641-01 Children's conceptual tempo-Accuracy and speed
 R01MH-25666-01 Training single parent families to problem solve
 R03MH-26002-01 Multi-solution analysis of problem solving
 R01NS-10577-02 0002 Normal and pathological human brain function - Memory aid on hypothesis behavior and focusing in Huntington's chorea (human)
 P01NS-11601-01 Special clinical center for communications research (children)
- PSYCHOLOGY, COGNITION, THINKING**
 R01HD-01725-08 Development of Mnemonic strategies (human)
 R01HD-02026-09 A developmental evaluation of logical operations (human)
 P01HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
 R01HD-04598-05 Cognitive development
 R01HD-06648-02 A family study of the genetics of special abilities
 R01MH-05753-13 Growth and family patterns in childhood schizophrenia
 R01MH-07722-10 Research on information processing psychology (human)
 R01MH-12972-08 0025 Research program in personality assessment - Thinking under uncertainty (human)
 R01MH-16817-05 Cognitive hierarchies
 R01MH-19223-05 Reasoning and cognition (children, adults)
 R01MH-20321-03 Phenothiazine and schizophrenic thought disorder (human)
 R01MH-21979-02 Verbal mediation in problem solving
 R01MH-23878-06 0027 Cognitive processes and mathematical psychology - Deductive reasoning in children
 R01MH-24804-01 Respondent mentation and responses to life situations
 R01MH-25218-01 Spatial reasoning in problem solving
 R01MH-25845-01 Sleep mentation and functional hemispheric asymmetry
 P01NS-09287-04 0014 Baylor center for cerebrovascular research - Functional rehabilitation of memory in patients with stroke
- PSYCHOLOGY, CONDITIONING**
 SEE ALSO PSYCHOLOGY, LEARNING
 SEE ALSO PSYCHOLOGY, LEARNING, HABITUATION
 R01AA-01197-02 Use of learning theory in preventing alcohol abuse
 R01AA-01245-01 Alcohol effects on behavior-Biochemical correlates (rats, mice, monkeys)
 R01AM-17112-02 Neural control of insulin secretion (rats, dogs)
 R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
 P01DA-00250-03 0011 Research center-Studies of drug dependence and abuse - Animal models of drug dependence (monkeys)
 P01GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)
 P01HD-02528-08 0073 Research center in mental retardation - Concept acquisition and transfer
 P01HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
 R01HD-05653-10 Classical conditioning in retardates and normals (human)
 P01HD-05958-03 0002 Neurophysiology and neuropsychology in mental retardation - Electrophysiology of learned motor performance (cats)
 R01HD-06753-03 Classical conditioning of heart rate in human infants
 R01HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 P01HD-08240-01 0004 Developmental processes in children at risk for MR - Relationship of conditioning and information processing to intellectual deficit
 P17HL-14150-04 0006 Specialized center of research in hypertension - Behavioral modulation of cardiovascular functioning (monkeys)
- P17HL-14150-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (monkeys)
 P17HL-14150-04 0009 Specialized center of research in hypertension - Pharmacological studies of behavior and cardiovascular function (monkeys)
 P17HL-14150-04 0011 Specialized center of research in hypertension - Exercise in the rhesus monkey
 P17HL-14150-04 0012 Specialized center of research in hypertension - Role of kidney in pathogenesis of behavioral hypertension (monkeys, baboons)
 P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
 P17HL-14152-04 0021 Pulmonary specialized center of research - Obstructive pulmonary syndromes (human)
 R01HL-16656-01 Left ventricular function in exercise (dogs)
 R01MH-03916-15 Perceptual factors in emotional conditioning (human)
 R01MH-06792-12 Verbal control of behavior in classical conditioning (human)
 R01MH-07995-11 0005 Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
 R01MH-08423-10 Memory and interference in classical conditioning (cats)
 R01MH-12506-09 Chemical correlates of memory (goldfish, rats, monkeys)
 R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
 P01MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
 R01MH-15353-07 Contingencies and controls in EDR conditioning (human)
 R01MH-15707-07 Perception and behavior (reptiles)
 R01MH-15946-05 Conditioning with electrical stimulation of the brain (cats, dogs)
 R01MH-16400-06 Conditioning and response organization (human)
 R01MH-16955-05 Neural conditioning and development (mice)
 R01MH-17279-05 Psychoactive drugs and the organization of behavior (rats)
 R01MH-18246-04 A study of choice behavior (pigeons)
 R01MH-18411-05 Cognitive effects on GSR conditioning and performance (human)
 R01MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
 R01MH-21144-03 Treatment of asthma through conditioning
 R01MH-22319-02 External and internal factors in food regulation
 R01MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
 R01MH-23685-02 Drug-schedule interactions and intercurrent behavior (rats, squirrels)
 R01MH-23879-02 Drugs and memory (rats, mice)
 R01MH-23880-02 Behavioral effects of drugs in Macaca mulatta
 R01MH-24069-02 Cellular organization of memory (cats)
 R01MH-24114-01 Chemistry of reward and related behaviors
 R01MH-24115-01 Signaling and affective functions in conditioning (rats)
 R01MH-24445-01 Selectivity in compound Pavlovian conditioning (rats)
 R03MH-24518-01 Classical-classical transfer of training effects (rabbits)
 R03MH-25070-01 Time and association in auto-shaped responding (pigeons)
 P01NS-02808-13 0023 Special clinical research project in neurophysiology - Behavioral and EEG correlates in telemetered data from drug resistant epilepsy
 R01NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
 R01NS-03752-13 Computer studies of brain potentials (human)
 P01NS-03798-12 0003 The nature of hearing - Hearing in reptiles
 R01NS-04955-11 Conditioning of pyramidal activity by sensory inflow (cats)
 R01NS-04989-11 Integration of sensory input (clams, crayfish)
 R01NS-05077-11 Latency-intensity functions in the auditory system (monkeys)
 R01NS-05437-09 Response plasticity during increased synaptic use (cats)
 R01NS-05606-10 Interactions between neurons (cats, crayfish, rabbits)
 P01NS-06890-07 0008 Sensory processes - Discriminative training procedure (fish, birds)
 R01NS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
 R01NS-07755-06 Plasticity of the transected human spinal cord
 R01NS-08057-06 Processing of visual information (turtles, pigeons)
 R01NS-09018-05 Viscero-somatic interaction in the lumbar spinal cord (cats)
- R01NS-09661-05 Organization of the nervous system (lamprey)
 R01NS-10757-03 Behavioral and neural analysis of learning (Aplysia)
 R01NS-11049-01 Sleep behavior and turnover of biogenic amines (monkeys)
 R01NS-11654-01 Central neural mechanisms of hearing (cats)
 M01RR-00128-10 0074 General clinical research center for children - Motor development in infants with congenital brain anomalies
 P06RR-00467-03 A program for strengthening a central animal facility (laboratory animals)
- PSYCHOLOGY, CONDITIONING, AUTOGENIC**
 R01DA-40139-00 Use of biofeedback with opiate addicts (human)
 P01GM-16058-09 0012 Biosensor and subject monitoring system development - Automated system for primate instruction (ASPRIM)
 P01HD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
 P01HD-03352-07 0018 Wisconsin center on mental retardation - Conditioning and psychophysiology of normal and retarded children
 P01HD-05027-05 0013 Developmental psychology - Development of attention
 R01HD-06650-03 0002 Electrophysiology studies in mental retardation - Development of EEG and SER patterns (human)
 R01HD-06650-03 0003 Electrophysiology studies in mental retardation - EEG and sensory-motor training (human)
 R01HL-05711-13 Pressor mechanisms in hypertension (human)
 P01HL-06349-13 0008 Cardiovascular disease clinical program project - Angiotensin and renin secretion in prehypertensive adolescents
 M P01HL-06945-13 Psychogenic factors in cardiovascular functions
 P01HL-06945-13 0004 Psychogenic factors in cardiovascular functions - Environmental-behavioral influences on cardiac contractility (monkeys)
 P01HL-06945-13 0005 Psychogenic factors in cardiovascular functions - Cardiovascular adaptations to aversive behavioral conditioning (dogs)
 P01HL-10539-09 0007 Pathophysiology of circulation - Control of blood pressure and hypertension (human)
 P17HL-14187-04 0004 Center for lung research - Rehabilitation parameters in chronic pulmonary disease (human)
 R01HL-14906-02 Behavioral tactics for clinical cardiac control
 P17HL-15063-03 0010 SCOR diffuse infiltrate lung disease - Conditioning of respiratory resistance (human)
 R01MH-00623-21 Psychophysiology of the autonomic nervous system (human, cats, monkeys)
 R01MH-04618-12 Psychotherapy of psychiatric outpatients
 R01MH-06792-12 Verbal control of behavior in classical conditioning (human)
 M R01MH-07995-11 Heart rate conditioning
 R01MH-07995-11 0003 Heart rate conditioning - Operant conditioning of heart rate (human)
 R01MH-07995-11 0005 Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
 R01MH-08853-10 Instrumental properties of human autonomic functions
 R01MH-10993-10 Fear medication and learned autonomic control (human)
 R01MH-11299-10 Emotion and pulmonary function in asthma (human)
 R01MH-19152-04 Cognitive control of pain
 R01MH-19849-02 Learned control of EEG theta activity (human)
 R01MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
 R03MH-22532-01 Voluntary control of respiratory resistance (human)
 R01MH-23628-02 Psychophysics of muscle tension in mental patients
 R01MH-24070-01 Biofeedback and habituation rates in chronic anxiety
 R03MH-24394-01 Comparison of two methods of blood pressure control (human)
 R01MH-24820-01 Biofeedback training for sleep onset (human)
 R01MH-25104-01 Raynaud's disease-Behavioral analysis and treatment
 R01MH-25350-01 Learned control of acid secretions in ulcer patients
 R03MH-25399-01 Operant conditioning of cardiac contractility in man
 R01MH-26239-01 Human self regulation
 P01NS-06208-09 0023 Epilepsy research program - Sensorimotor EEG rhythm (human)
 R01NS-10656-02 Stuttering-Behavior modification and biofeedback
 R01NS-11639-01 Hemispheric specialization for cognitive mode
 R01NS-12046-01 Stuttering-Behavior modification and biofeedback

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** MO1RR-00050-13 0068 Wilson's disease - Biofeedback conditioning in epileptic patients to suppress cerebral activity
 ** MO1RR-00064-10 0078 General clinical research center - Effects of exercise autonomic manipulation and drugs (human)
 ** MO1RR-00069-12 0094 General clinical research center, children - Conditioning therapy in acoustimotor epilepsy
 ** MO1RR-00076-12 0067 General clinical research center - Blood pressure conditioning and 24 hour blood pressure values (human)
 MO1RR-00076-12 0075 General clinical research center - Measurement of elicitation of a wakeful hypometabolic state (human)
 ** MO1RR-00102-11 0014 General clinical research center - The learning of visceral responses (human)

PSYCHOLOGY, CONDITIONING, AVOIDANCE

** PO1AA-00212-06 0004 Oklahoma center for alcohol related studies - Effects of ethanol on behavior and the CNS (rats, cats)
 RO1AA-00261-04 Avoidance conditioning of alcoholics (human)
 RO1AA-00299-03 Variables related to ethanol self-administration (rats, monkeys)
 RO1AA-00376-01 An alcohol dependence model (rats)
 RO1AA-00391-01 Effects of alcohol on neurotogenic behavior (monkeys)
 ** RO1AA-00498-03 0002 Clinical studies of alcohol use and abuse - Future oriented psychotherapy and olfactory aversive conditioning (human)
 RO1AA-01229-01 Alcohol and conflict resolution
 RO1AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)
 RO1DA-00069-04 Toxicology of marijuana in animals and man
 RO3DA-00964-01 THC effects-Determination of non-aversive dosages (rats)
 RO1DA-01059-01 Behavior therapy and naltrexone for narcotic addiction
 RO1ES-00706-03 Cytotoxicity of lead and mercury
 RO1GM-21266-01 Genetic analysis of avoidance behavior in mice
 PO1HD-00973-11 0065 Research program on retarded intellectual development - Operant research with rats and quail
 PO1HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
 PO1HD-02881-07 0005 Developmental and behavioral neuroendocrinology - Hormones and learning in adults (squirrel monkeys)
 PO1HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys)
 PO1HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
 RO1HD-06914-02 Help giving behavior of children
 ** RO1HD-07054-01 Developmental aspects of passive avoidance learning (rats)
 RO1HD-07981-01 Psychophysiology of memory and aging (rats, mice)
 RO1HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 RO1HL-05711-13 Pressor mechanisms in hypertension (human)
 ** PO1HL-06945-13 0005 Psychogenic factors in cardiovascular functions - Cardiovascular adaptations to aversive behavioral conditioning (dogs)
 ** RO1MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
 RO1MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
 ** RO1MH-03372-15 0041 Neural mechanisms in behavior - Effects of forebrain ablation in avoidance learning (chicks)
 RO1MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
 RO1MH-05162-12 Analysis of vicarious psychological processes (human)
 RO1MH-06211-12 Postoperative recovery mechanisms and retention (rats)
 ** RO1MH-07658-12 Drugs and reactions to aversive stimuli (monkeys)
 RO1MH-07995-11 0003 Heart rate conditioning - Operant conditioning of heart rate (human)
 ** RO1MH-07995-11 0004 Heart rate conditioning - Experimental hypertension using shock avoidance procedures (dogs)
 RO1MH-07995-11 0006 Heart rate conditioning - Sympathetic influences on heart rate during stress (human)
 RO1MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
 RO1MH-10316-11 The free behavior situation (rats)
 RO1MH-11191-09 Brain amines and behavior (mice)
 RO1MH-13049-09 Experimental studies of long-term stress (human, monkeys, rats)
 ** RO1MH-13558-08 Pavlovian conditioning and avoidance behavior (dogs)
 RO1MH-13864-07 Principles of primate social organization
 RO1MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)

RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
 RO1MH-16853-05 Composite-stimulus control in multielement schedules (rats)
 ** RO1MH-18342-05 Aversive properties of discriminative stimuli (pigeons)
 RO1MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
 RO1MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
 ** RO1MH-19438-04 0007 Neurochemistry of obesity and learned taste aversions - Conditioned taste aversion (rats)
 RO1MH-19497-03 Memory processes and retention (rats, mice)
 RO1MH-20258-03 Modification of deviant behavior
 RO1MH-23294-03 Phylogeny of learning (nonvertebrates, birds, fish, rats, reptiles)
 RO1MH-23533-01 Early experience, development, and adaptation (rats, mice)
 RO1MH-23607-02 Experimental masochism and allied phenomena (rats)
 RO1MH-23626-01 Variables affecting heart rate and behavior (rats)
 ** PO1MH-23861-02 0015 Biogenic amines and behavior - Stress and biogenic amines (rats)
 RO1MH-23863-01 Anxiety control training and systematic desensitization
 RO1MH-23879-02 Drugs and memory (rats, mice)
 RO3MH-23978-01 Effect of perinatal nutrition on aversion threshold (rats)
 RO3MH-24482-01 Excitation, inhibition, and autoshaping (pigeons)
 RO3MH-24730-01 Age-dependent recovery from amygdalotomy (monkeys)
 ** RO3MH-25007-01 Aversion learning motivated by unpalatable flavors (rats)
 RO3MH-25083-01 Differences in learning dynamics of individuals (goldfish)
 RO3MH-25144-01 Brain mechanisms and memory (rats)
 RO1MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
 ** RO1MH-25621-01 Forebrain lesions and affective behavior (cats, monkeys)
 RO1MH-26239-01 Human self regulation
 RO1NS-07237-07 Partial ablation of vestibular system and equilibrium (monkeys)
 RO1NS-07457-08 Brain function and the metabolism of macromolecules (mice)
 RO1NS-07755-06 Plasticity of the transected human spinal cord
 ** RO1NS-08048-04 Comparative studies on mammalian nervous system (monkeys)
 RO1NS-08108-07 Escape reflex-Physiology of habituation (crayfish)
 RO1NS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
 RO1NS-11616-02 Study of olfaction in the rat
 RO1NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
 ** MO1RR-00055-13 0101 General clinical research center - Non-discriminating avoidance escape procedure-chlorpromazine study (human)
 MO1RR-00626-02 0070 General clinical research center - Analysis of fantasies of sexual deviants

PSYCHOLOGY, CONDITIONING, EXTINCTION

RO1DA-01059-01 Behavior therapy and naltrexone for narcotic addiction
 PO1HD-00870-11 0003 Communication research with retarded children - Generalization of a social response
 RO1HD-00930-11 Acquisition of stimulus control (ducks, rats, pigeons)
 RO1HD-04379-06 Sequential processes in instrumental learning (rats)
 PO1HD-05027-05 0015 Developmental psychology - Practical aspects of perceptual development
 PO1HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
 RO1HD-06753-03 Classical conditioning of heart rate in human infants
 RO1HD-06914-02 Help giving behavior of children
 RO1HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 RO1MH-03831-15 Auditory electrophysiology and behavior (cats, human)
 RO1MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
 ** RO1MH-10249-07 Analysis of the two-factor theory of interference (human)
 RO1MH-18342-05 Aversive properties of discriminative stimuli (pigeons)
 RO1MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
 RO1MH-20785-03 Complex behavioral repertoires (primates, birds)
 RO1MH-20922-04 Training parents in management of antisocial boys
 RO1MH-22319-02 External and internal factors in food regulation
 RO1MH-23607-02 Experimental masochism and allied phenomena (rats)

RO3MH-24509-01 Generalization of conditioned adaptation (human)
 RO3MH-24912-01 Augmentation of REM sleep after learning (mice)
 RO3MH-25052-01 Effect of training methods on gradients of inhibition (pigeons)
 RO3MH-25649-01 Recovery from frontal cortex damage in infants (rats)
 RO3MH-26113-01 Effects on the reinforcing value of brain stimulation (rats)

PSYCHOLOGY, CONDITIONING, INSTRUMENTAL GENERALIZATION

** RO1MH-08853-10 Instrumental properties of human autonomic functions
 ** RO1MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
 RO1MH-23446-01 Drive and reward in instrumental learning (rats)
 ** RO3MH-24509-01 Generalization of conditioned adaptation (human)

PSYCHOLOGY, CONDITIONING, OPERANT

** RO1AA-00179-03 Alteration of alcoholics' behavior
 ** RO1AA-00215-08 Habituation to alcohol (rats)
 ** RO1AA-00259-04 Behavioral treatment of alcoholism-Research and development (human)
 RO1AA-00299-03 Variables related to ethanol self-administration (rats, monkeys)
 RO1AA-00326-01 Mechanisms of tolerance to ethanol (fish)
 R18AA-00457-03 Community reinforcement for treating alcoholics
 RO1AM-16488-02 Autonomic neural control of intestinal contractility (rats, rabbits)
 ** RO1DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
 R10DA-00154-09 Psychopharmacology of drug dependence (monkeys)
 PO2DE-02172-10 0004 Oral-facial communicative disorders - Speech and hearing (children)
 PO1ES-00040-10 0010 Environmental toxicology of pesticides - Psychobiological effects of pesticides (rats, quail)
 RO1EY-00907-01 Correlates of binocular visual stimulation (cats)
 ** PO1HD-00973-11 0065 Research program on retarded intellectual development - Operant research with rats and quail
 ** PO1HD-02274-08 0159 Mental retardation and child development - Operant conditioning of dental hygiene
 RO1HD-03386-06 Experiential determinants of exploration in premature (human)
 ** RO1HD-04379-06 Sequential processes in instrumental learning (rats)
 RO1HD-04634-04 Cognitive functions of retarded early adolescents
 RO1HD-04756-04 Infant auditory perception and learning (human)
 PO1HD-06276-03 0062 Mental retardation research program - Adaptation of neonatal brain to hormone body oxidation (rats)
 PO1HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
 RO1HD-06666-01 Carolina infant vocalization project
 RO1HD-06753-03 Classical conditioning of heart rate in human infants
 RO1HD-06914-02 Help giving behavior of children
 RO1HD-07351-02 Determinants of sexual performance in the rat
 RO1HD-08063-01 Overcoming the adverse effects of prematurity
 ** RO1HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 PO1HL-06945-13 0002 Psychogenic factors in cardiovascular functions - Cardiovascular responses to behavioral stress (baboons, dogs)
 RO1HL-09154-10 Central control of distribution of organ blood flow (monkeys)
 ** PO1HL-10539-09 0007 Pathophysiology of circulation - Control of blood pressure and hypertension (human)
 ** P17HL-14150-04 0010 Specialized center of research in hypertension - Natural history of behavioral hypertension (monkeys)
 RO1HL-14906-02 Behavioral tactics for clinical cardiac control
 RO1MH-01475-16 Brain mechanisms in learning and response modulation (rats)
 RO1MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
 RO1MH-02456-16 Comparative psychophysics and stimulus control (pigeons)
 RO1MH-03225-15 Neurochemical correlates of behavior (rats, pigeons)
 ** RO1MH-04151-14 0007 Psychology and physiology of sleep - Operant control of sleep and waking responses (rats)
 ** RO1MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
 M RO1MH-07995-11 Heart rate conditioning
 ** RO1MH-07995-11 0003 Heart rate conditioning - Operant conditioning of heart rate (human)

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 M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01MH-07995-11 0005 Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
- P01MH-08618-10 0049 Biological studies of psychotic disorders - Management of drug-free disturbed patients
- ** R01MH-08853-10 Instrumental properties of human autonomic functions
- R01MH-10316-11 The free behavior situation (rats)
- R01MH-11191-09 Brain amines and behavior (mice)
- R01MH-11440-07 Experimental studies in childhood schizophrenia
- R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- ** R01MH-13558-08 Pavlovian conditioning and avoidance behavior (dogs)
- ** R01MH-14395-05 Self-regulation training for under-controlled children
- R01MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)
- ** R01MH-15494-06 The matching law (rats, pigeons, human)
- R01MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
- ** R01MH-16853-05 Composite-stimulus control in multielement schedules (rats)
- ** R01MH-16928-06 Concurrent choices and concurrent interresponse times (pigeons, human)
- R12MH-18995-04 Behavior modification applied to a mental health center
- R01MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
- R01MH-19506-03 0007 Hormones, the brain and primate behavior - Individual partner preferences
- R01MH-19506-03 0009 Hormones, the brain and primate behavior - Male repellent pheromones
- R01MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
- R01MH-19795-03 Learning mechanisms in abdominal ganglion of *Aplysia*
- R01MH-20258-03 Modification of deviant behavior
- R01MH-20620-03 Psychopharmacology of brain norepinephrine (rats)
- R01MH-21384-03 Psychologic and neural factors in cardiac arrhythmias (dogs, human)
- R01MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
- ** R01MH-21741-01 Operant conditioning of hippocampal EEG (cats)
- R01MH-21803-02 Behavioral treatment of childhood gender problems
- R01MH-22319-02 External and internal factors in food regulation
- R01MH-22560-01 Parent training in preprimary behavioral competence
- R01MH-22750-02 Modification of family interaction
- R01MH-22890-02 Behavior modification-Evaluating effects on patients
- R01MH-23133-02 Oxygen consumption and the effects of behavioral stress (baboon)
- R01MH-23294-03 Phylogeny of learning (nonvertebrates, birds, fish, rats, reptiles)
- R01MH-24044-01 Psychophysics of the startle reflex (guinea pigs)
- R03MH-24092-01 Observational learning (rats, pigeons)
- R01MH-24115-01 Signaling and affective functions in conditioning (rats)
- R03MH-24416-01 Motor skills of neonatally deafferented monkeys
- ** R03MH-24482-01 Excitation, inhibition, and autoshaping (pigeons)
- ** R03MH-24997-01 Interactions among operant behaviors (pigeons)
- R03MH-25052-01 Effect of training methods on gradients of inhibition (pigeons)
- R03MH-25062-01 Tracking of preference for cooperation in human dyads
- R03MH-25083-01 Differences in learning dynamics of individuals (goldfish)
- R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
- R01MH-25360-01 Effects of early training on infant discrimination (human)
- ** R03MH-25399-01 Operant conditioning of cardiac contractility in man
- R03MH-25772-01 Quantitative aspects of choice behavior (pigeons)
- ** R03MH-26113-01 Effects on the reinforcing value of brain stimulation (rats)
- R01MH-26207-01 Behavioral analysis & modification in a community mental health center
- R01MH-26239-01 Human self regulation
- R01NS-02484-14 Measurement of hearing by operant methods (rats, cats)
- P01NS-04053-12 0006 Epilepsy - Single neurons in motor cortex (monkeys)
- R01NS-05638-10 Central neural regulation of body fluids (animals)
- P01NS-05785-09 0017 Causes of deafness - Clinical and audiometric techniques (human)
- R01NS-08708-06 Experimental analysis of orientation (pigeons)
- R01NS-10656-02 Stuttering-Behavior modification and biofeedback
- ** R01NS-10726-02 Effects of sensorimotor EEG conditioning on epilepsy (human, cats)
- R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- R01NS-11138-02 0002 Chemical mechanism in corpus striatum and behavior - Conditional discrimination performance and dorsal head of striatum (rats)
- R01NS-11276-01 Electromagnetic field orientation (marine fish)
- R01NS-11616-02 Study of olfaction in the rat
- R01NS-12046-01 Stuttering-Behavior modification and biofeedback
- ** M01RR-00055-13 0062 General clinical research center - Operant conditioning of gastric acid secretion (human)
- ** M01RR-00062-12 0024 Clinical research center, children - Use of conditioning in pediatric problems
- M01RR-00128-10 0073 General clinical research center for children - Non-pharmacological therapy in epilepsy
- ** M01RR-00626-02 0080 General clinical research center - Effect of operant conditioning of heart rate on plasma renin (human)

PSYCHOLOGY, CONDITIONING, REINFORCEMENT

SEE ALSO PSYCHOLOGY, LEARNING, REINFORCEMENT

- R01AA-00215-08 Habituation to alcohol (rats)
- R01AA-00299-03 Variables related to ethanol self-administration (rats, monkeys)
- R18AA-00457-03 Community reinforcement for treating alcoholics
- R01AA-01217-01 Investigations of experimental alcohol dependence
- R03AA-01238-01 Analysis of the effects of alcohol on conflict (rats)
- ** R01DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
- R10DA-00154-09 Psychopharmacology of drug dependence (monkeys)
- P01DA-00250-03 0011 Research center-Studies of drug dependence and abuse - Animal models of drug dependence (monkeys)
- P01DA-00254-03 0002 Drug abuse basic research center - Self-administration of drugs by Rhesus monkeys
- R01DA-00939-01 Experimental studies of sedative abuse (human)
- ** R01DA-01046-01 Temporal parameters of stimulant drug reinforcement
- R01DA-01049-01 Morphine and the medial forebrain bundle system (rats)
- P01HD-00870-11 0001 Communication research with retarded children - Language training of severely retarded
- ** R01HD-00930-11 Acquisition of stimulus control (ducks, rats, pigeons)
- ** R01HD-00941-10 Determinants of amount of reinforcement (rats, guinea pigs, cats)
- ** P01HD-00973-11 0065 Research program on retarded intellectual development - Operant research with rats and quail
- ** P01HD-00973-11 0080 Research program on retarded intellectual development - Motivation and reinforcement systems in retarded children
- P01HD-02528-08 0014 Research center in mental retardation - Neonate's learning and perception
- P01HD-03008-07 0018 Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners
- P01HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys)
- P01HD-05027-05 0007 Developmental psychology - Peer influence
- R01HD-06666-01 Carolina infant vocalization project
- R01HD-06914-02 Help giving behavior of children
- R01HD-08063-01 Overcoming the adverse effects of prematurity
- R01HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
- R01HL-14906-02 Behavioral tactics for clinical cardiac control
- R01MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
- R01MH-02456-16 Comparative psychophysics and stimulus control (pigeons)
- ** R01MH-03372-15 0040 Neural mechanisms in behavior - Thermoregulatory incentive in visual discrimination (chicks)
- R01MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
- R01MH-06211-12 Postoperative recovery mechanisms and retention (rats)
- R01MH-06792-12 Verbal control of behavior in classical conditioning (human)
- ** R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- R01MH-11191-09 Brain amines and behavior (mice)
- R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- R01MH-13049-09 Experimental studies of long-term stress (human, monkeys, rats)

- R01MH-13558-08 Pavlovian conditioning and avoidance behavior (dogs)
- R01MH-13958-07 Brain mechanisms related to feeding behavior (cats)
- ** R01MH-14395-05 Self-regulation training for under-controlled children
- ** R01MH-15353-07 Contingencies and controls in EDR conditioning (human)
- R01MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)
- ** R01MH-15494-06 The matching law (rats, pigeons, human)
- ** R01MH-15902-05 Comparative studies of reinforcement parameters (fish, rats, pigeons, turtles)
- ** R01MH-16853-05 Composite-stimulus control in multielement schedules (rats)
- ** R01MH-16928-06 Concurrent choices and concurrent interresponse times (pigeons, human)
- ** R01MH-16978-06 Brain studies of purposive behavior (rats)
- R01MH-17405-05 Determinants of aggressive behavior (human)
- R01MH-18246-04 A study of choice behavior (pigeons)
- R01MH-18516-03 Treatment of childhood behavior problems
- R01MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
- R01MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
- ** R01MH-19784-03 Depression-A clinical-research approach
- ** R01MH-20752-03 Factors influencing choice behavior (pigeons)
- R01MH-21144-03 Treatment of asthma through conditioning
- R01MH-21741-01 Operant conditioning of hippocampal EEG (cats)
- R01MH-21803-02 Behavioral treatment of childhood gender problems
- R01MH-22319-02 External and internal factors in food regulation
- R01MH-22750-02 Modification of family interaction
- R01MH-22881-02 Choice behavior (pigeons)
- R01MH-22890-02 Behavior modification-Evaluating effects on patients
- R01MH-23294-03 Phylogeny of learning (nonvertebrates, birds, fish, rats, reptiles)
- R03MH-23399-01 Covert modeling and therapeutic change (human)
- R01MH-23607-02 Experimental masochism and allied phenomena (rats)
- R01MH-23685-02 Drug-schedule interactions and intercurrent behavior (rats, squirrels)
- R03MH-24482-01 Excitation, inhibition, and autoshaping (pigeons)
- R03MH-24997-01 Interactions among operant behaviors (pigeons)
- R03MH-25052-01 Effect of training methods on gradients of inhibition (pigeons)
- ** R03MH-25057-01 Frustration, partial reinforcement and brain lesions (rats)
- R03MH-25062-01 Tracking of preference for cooperation in human dyads
- R03MH-25070-01 Time and association in auto-shaped responding (pigeons)
- R03MH-25284-01 Blockade of hypothalamic behavior with midbrain lesions (rats, mice)
- ** R03MH-25300-01 Investigation of the discriminability hypothesis (rats)
- R03MH-25772-01 Quantitative aspects of choice behavior (pigeons)
- R03MH-25883-01 Development of continuous repertoires (pigeons)
- ** R03MH-25908-01 Control of oscillation in reinforcement schedules (rats)
- ** R03MH-26113-01 Effects on the reinforcing value of brain stimulation (rats)
- ** P01NS-04053-12 0009 Epilepsy - Electrical concomitants of positive reinforcement (rats)
- ** R01NS-08048-04 Comparative studies on mammalian nervous system (monkeys)
- R01NS-10150-03 Neural systems of ingestive behavior (rats)
- R01NS-10656-02 Stuttering-Behavior modification and biofeedback
- ** R01NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
- P01NS-11601-01 Special clinical center for communications research (children)
- R01NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
- P01NS-11647-01 0001 Peripheral and central auditory mechanisms - Auditory systems in desert rodents (kangaroo rats, pocket mice)
- ** P01NS-11647-01 0002 Peripheral and central auditory mechanisms - Electrophysiological and behavioral measures of tonal thresholds (rodents)
- R01NS-12046-01 Stuttering-Behavior modification and biofeedback
- M01RR-00626-02 0050 General clinical research center - Behavioral modification anorexia nervosa (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

M01RR-00626-02 0071 General clinical research center - Altering sexual fantasies as treatment of sexual deviation

PSYCHOLOGY, CONDITIONING, VERBAL

R01AA-00187-03 Memory impairment of alcoholic Korsakoff patients
 P01HD-03008-07 0018 Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners
 ** R01MH-06792-12 Verbal control of behavior in classical conditioning (human)

PSYCHOLOGY, CONFLICT

R18AA-00178-03 Family of alcoholics-Communication and control
 R01AA-00180-02 Religion, ethnicity and family response to alcoholism
 R01AA-00376-01 An alcohol dependence model (rats)
 ** R01AA-00391-01 Effects of alcohol on neurogenic behavior (monkeys)
 ** R01AA-00647-01 Conflict and alcohol-An animal model
 ** R01AA-01229-01 Alcohol and conflict resolution
 ** R03AA-01238-01 Analysis of the effects of alcohol on conflict (rats)
 P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
 R01HD-04128-06 Intervention and critical periods in moral development (human)
 P01HD-04510-06 0004 Center for research in human development - Institute of social deviancy and youth
 R01HD-07412-02 Fertility motivation and career conflict in women
 ** R01MH-01293-18 Measurement of drive and conflict (human)
 P01MH-08618-10 0039 Biological studies of psychotic disorders - Guaiacol-O-methyltransferase (GOMT) (rats, mice)
 R01MH-15606-07 Adaptive behavior in varied high school environments
 R01MH-19029-03 Nonverbal interethnic encounters in urban settings
 ** R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
 R01MH-19589-01 Comparative study of communal living arrangements
 R01MH-19915-03 The development of a picture test of values (human)
 R01MH-21336-03 Families of children with psychosomatic problems
 R01MH-22750-02 Modification of family interaction
 R01MH-23133-02 Oxygen consumption and the effects of behavioral stress (baboon)
 R01MH-23607-02 Experimental masochism and allied phenomena (rats)
 R01MH-23676-02 Employee participation in ownership and management (Peru)
 R01MH-24216-01 The social effects of divorce and divorce law reform (California)
 R01MH-24795-01 Household settings-Life styles and mental health
 R01MH-25177-01 Reduce aspiration conflict among minority youth
 R13MH-25655-01 Identity crisis of the Sansei
 R01MH-25666-01 Training single parent families to problem solve
 R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 ** R03MH-25737-01 Social conflict in industrial societies
 ** R03MH-25891-01 Relative deprivation, militancy and aspirations
 R02NH-00505-01 Reality shock and conflict resolution in neophyte nurses

PSYCHOLOGY, DEFENSE MECHANISMS

SEE ALSO PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR
 R01AA-01441-01 Factors maintaining drinking in alcoholic families
 P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
 P01HL-08805-10 0005 Cardiovascular and pulmonary performance - Autonomic nervous control of the pulmonary circulation (dogs)
 ** P01MH-11668-09 0005 Psychosocial factors in health and disease - Conservation-withdrawal
 ** R01MH-13915-05 Modification of defenses in psychoanalysis (human)
 R01MH-21735-03 The behavioral consequences of androgyny (human)
 ** R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 R01NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
 ** R01NS-06911-07 Brain catecholamines in defense reaction (rats, cats)

PSYCHOLOGY, DEFENSE MECHANISMS, CONVERSION REACTION

** P01MH-11668-09 0039 Psychosocial factors in health and disease - Conversion as a prelude to multiple sclerosis

** P01MH-11668-09 0040 Psychosocial factors in health and disease - Psychosomatic disorders among university students

** P01MH-11668-09 0101 Psychosocial factors in health and disease - Diagnostic criteria of conversion

PSYCHOLOGY, DEFENSE MECHANISMS, DENIAL

R01MH-22424-02 The causes and consequences of credibility in TV news

PSYCHOLOGY, DEFENSE MECHANISMS, RATIONALIZATION

** R01MH-30237-00 Practical guide to planning program in crime and delinquency

PSYCHOLOGY, DEFENSE MECHANISMS, REPRESSION

SEE ALSO PSYCHOLOGY, SUPPRESSION
 R18AA-00181-03 Mood, memory and drinking in alcoholic patients
 P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)

PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

R18AA-00178-03 Family of alcoholics-Communication and control
 R01HD-01107-11 Social and exploratory behavior in infants (human)
 P01HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children
 P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
 P01HD-04510-06 0004 Center for research in human development - Institute of social deviancy and youth
 P01HD-05440-03 0003 Development of the mentally retarded - Quality of life in residential facilities
 P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 ** R01HD-06367-03 Psychosocial development
 R01HD-06830-03 Effect of therapeutic abortion on unmarried women
 R01HD-07739-01 Decision making on unplanned pregnancies
 R01MH-15965-04 Infant attachment and maternal loss (monkeys)
 R01MH-18762-04 Conditions facilitating successful rendering of help
 R01MH-20743-03 The child's creative learning space
 R01MH-21735-03 The behavioral consequences of androgyny (human)
 P01MH-22836-02 Children and families vulnerable to mental disorders
 ** R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 ** R01MH-26239-01 Human self regulation
 R21NH-00370-04 Nursing with chronically ill psychiatric outpatients (human)
 R02NH-00467-01 Pain alleviation through nursing intervention

PSYCHOLOGY, EMOTIONS

SEE ALSO PSYCHIC SHOCK, EMOTIONAL CRISIS
 SEE ALSO PSYCHOLOGIC STRESS
 SEE ALSO PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT
 SEE ALSO PSYCHOLOGY ABNORMAL, EMOTIONAL DISORDERS
 R01AA-00199-03 Beta adrenergic blocking agents in treatment of alcoholism (human)
 R01AA-00291-03 Behavioral and biological correlates of alcoholism (human)
 R01AA-00311-03 0008 Metabolic and psychological factors in alcoholism - Sleep and cognition in alcohol drinking and withdrawal-Dosage (human)
 R01AA-00494-03 Supervisory reactions to alcohol problems and policies
 P02AM-13083-06 0105 Organ transplantation - Sociopsychological study
 R01AM-15660-03 Renal control of the excretion of urea (rats, gerbils)
 R01DA-00140-02 Psychosocial effects of chronic marijuana use (human)
 R25DA-00168-03 Drug abuse education by TV production process
 P01DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man
 P01DE-01697-12 0020 Interdisciplinary studies in cleft palate - Behavioral studies of otitis media
 P01HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration-Detection of relationships (children)
 ** P01HD-00973-11 0086 Research program on retarded intellectual development - Emotions as variables in learning and the development of social skills (monkeys)
 ** P01HD-01136-10 0016 Center for research in human learning - Emotions as behavior mediators
 ** P01HD-02274-08 0121 Mental retardation and child development - Cardiovascular correlates of social and emotional behavior (human, monkeys)

P01HD-02274-08 0158 Mental retardation and child development - Changes in adolescent communication patterns
 P01HD-05027-05 0018 Developmental psychology - Infant social development
 R01HD-05571-03 Prenatal stress-Hormonal and genotypical factors (rats)
 P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 R01HL-04741-15 Central nervous control of cardiovascular function (primates)
 R01HL-13034-05 Autonomic blood pressures in ambulating hypertensives (human)
 P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
 P18HL-15158-03 0009 Comprehensive sickle cell disease center - Counseling and social services
 P18HL-15161-03 0002 Comprehensive sickle cell disease center - Intellectual and emotional growth and development of children
 R01HL-15399-02 Behavioral factors in coronary heart disease
 ** P18HL-15996-02 0005 Cincinnati sickle cell anemia center - Factors precipitating crises (human)
 ** P18HL-16008-02 0008 Wayne State University comprehensive sickle cell center - Cognitive, affective and behavioral effects of sickle cell trait counseling
 P01HL-16910-01 0005 Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
 ** R01MH-01293-18 Measurement of drive and conflict (human)
 ** R01MH-03916-15 Perceptual factors in emotional conditioning (human)
 R01MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
 R01MH-07705-11 Studies on comparative psycholinguistics
 ** P01MH-08667-10 0013 A longitudinal epidemiology of impaired competence - Environmental enrichment for retardates
 ** R01MH-11299-10 Emotion and pulmonary function in asthma (human)
 ** P01MH-11668-09 0027 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at Kodak plant
 ** P01MH-11668-09 0067 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at other than Kodak plant
 P01MH-11668-09 0069 Psychosocial factors in health and disease - Morbidity and mortality related to reactions during cardiac catheterization
 P01MH-11668-09 0082 Psychosocial factors in health and disease - Determinants of conception in women with 2 or more living children
 ** P01MH-11668-09 0087 Psychosocial factors in health and disease - Predictive differentiation of anxiety vs helplessness and guilt vs shame
 ** P01MH-11668-09 0088 Psychosocial factors in health and disease - Age related characteristics of affective behavior
 P01MH-11668-09 0090 Psychosocial factors in health and disease - Giving-up and disease onset in a 'non-sick' population
 ** R01MH-11976-10 Communication through nonverbal behavior
 M P01MH-12970-08 What makes man human-Trans-or subcortical association
 ** P01MH-13002-06 0042 Clinical and laboratory studies of affective disorder - Addiction and relationship to affective states (rats)
 ** R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
 R01MH-17405-05 Determinants of aggressive behavior (human)
 R01MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
 R01MH-18136-04 Self-image and family dynamics in transplantation (human)
 ** R01MH-18136-04 Molecular approaches to behavior (rats)
 R01MH-18856-04 Control of the subjective intensity of sensation (human)
 R01MH-19849-02 Learned control of EEG theta activity (human)
 R01MH-20169-03 Antecedents and consequences of perceived freedom (human)
 R01MH-20811-03 Affective consequences of brain stimulation (rats)
 R01MH-21139-03 Social class and communication style in marriage
 R01MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
 R01MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams
 R01MH-21863-02 Relation of suicide to marital separation and divorce
 P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
 R01MH-23533-01 Early experience, development, and adaptation (rats, mice)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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R01MH-23957-02 Psycholinguistic investigations
 R01MH-24222-02 Behavior therapy and relaxation training in asthma (human)
 ** R01MH-24329-01 Anticholinergic drugs and emotional behavior (rats)
 R01MH-24341-02 Cognitive response to psychological stress (human)
 ** R03MH-24551-01 Autonomic and cortical responses to affective stimuli (human)
 ** R01MH-24804-01 Respondent mentation and responses to life situations
 R03MH-24997-01 Interactions among operant behaviors (pigeons)
 R01MH-25295-01 Sympathetic and adrenocortical lability and illness (human)
 R03MH-25889-01 Emotion communication and aggressive delinquency
 R03MH-26050-01 Infant temperament and child rearing (Kenya)
 R03MH-26087-01 Effects of random assignment to control treatment
 P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia
 R01NS-07941-05 Limbic system in hypothalamic aggression (cats)
 R01NS-10409-01 Behavioral role of the cerebellum (rats)
 R02NIJ-00430-03 Altering patients responses to threatening events
 N01RR-00070-12 0079 General clinical research center - Tryptophan metabolism in normal human
 N01RR-00128-10 0074 General clinical research center for children - Motor development in infants with congenital brain anomalies
 ** P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)

PSYCHOLOGY, EMOTIONS, ANGER

P01CA-07368-11 0009 Interrelationships of normal and cancer cells - Effect of exogenous catecholamines in amygdala (cats, monkeys)
 R01HD-03778-06 The development of social motivation (dogs)
 ** P01HL-09814-09 0033 Research program- Cardiovascular and related disease - Anger-guilt and health factors (human)
 ** R01MH-21675-01 Brain mechanisms of intra-specific fighting in the rat
 R01MH-26098-01 Stress, crowding and blood pressure in prison

PSYCHOLOGY, EMOTIONS, ANXIETY

SEE ALSO PSYCHOLOGY ABNORMAL, NEUROSIS, ANXIETY
 R18AA-00181-03 Mood, memory and drinking in alcoholic patients
 P01AA-00212-06 0006 Oklahoma center for alcohol related studies - Cognitive functioning in alcoholism (human)
 R01AA-00329-01 Effects of disulfiram-marihuana in alcoholism (human)
 R03AA-00634-01 Alcohol and physical aggression (human)
 P02CA-12247-03 0016 Pediatric oncology center - Psychotherapy research (human)
 P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
 R01DA-00135-03 THC and LSD-Residual effects on social behavior (monkeys)
 ** P01GM-15904-07 0026 Anesthesiology center for research and teaching - Pain and anxiety in children with burns
 P01GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)
 ** N01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
 P01HD-03008-07 0018 Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners
 R01HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
 R01HL-14906-02 Behavioral tactics for clinical cardiac control
 R01HL-15399-02 Behavioral factors in coronary heart disease
 R01HS-00889-03 Experiments in communication of medical information
 ** R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
 R01MH-01293-18 Measurement of drive and conflict (human)
 R01MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis
 R01MH-08954-10 Methodology of outpatient drug research (human)
 R01MH-10993-10 Fear modification and learned autonomic control (human)
 ** P01MH-11668-09 0005 Psychosocial factors in health and disease - Conservation-withdrawal
 P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
 P01MH-11668-09 0035 Psychosocial factors in health and disease - Psychosocial factors in leprosy

P01MH-11668-09 0087 Psychosocial factors in health and disease - Predictive differentiation of anxiety vs helplessness and guilt vs shame
 P01MH-11668-09 0090 Psychosocial factors in health and disease - Giving-up and disease onset in a 'non-sick' population
 R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
 P01MH-13002-06 0024 Clinical and laboratory studies of affective disorder - Depressive symptoms during pregnancy and puerperium
 P01MH-13002-06 0025 Clinical and laboratory studies of affective disorder - Affective disorders and functional GI symptoms
 R01MH-14383-05 Altered clinical states
 R01MH-17654-04 Patient profiles and differential response to drugs
 R01MH-18846-03 Outcome of crisis intervention treatment
 / R01MH-22299-01 Anticipatory coping and stress responses (human)
 R01MH-22370-02 School intervention program
 ** R01MH-23863-01 Anxiety control training and systematic desensitization
 R01MH-24063-01 Effect of relaxation-mediation in early hypertension
 R01MH-24393-02 0006 MHPG excretion, catecholamine metabolism, and depression - Kinetics of disposition and metabolism of circulating NE (human)
 R01MH-24908-01 Schizophrenia and EEG signal analysis
 R01MH-25258-01 Comparative treatment of emotional problems of aging
 ** R03MH-25543-01 Measuring some effects of self-awareness (human)
 R01MH-40064-00 Statistical services
 R01NS-10656-02 Stuttering-Behavior modification and biofeedback
 R01NS-12046-01 Stuttering-Behavior modification and biofeedback
 R02NIJ-00467-01 Pain alleviation through nursing intervention

PSYCHOLOGY, EMOTIONS, CRYING

** P01HD-03352-07 0027 Wisconsin center on mental retardation - Infant vocalization
 P01HD-08240-01 0003 Developmental processes in children at risk for MR - Speech and language in infants-Prediction of behavior at school age
 R01NS-09628-03 New approaches to speech instruction of deaf children

PSYCHOLOGY, EMOTIONS, DEPRESSION

SEE ALSO PSYCHOLOGY ABNORMAL, NEUROSIS, DEPRESSIVE
 SEE ALSO PSYCHOSIS, MANIC-DEPRESSIVE
 R18AA-00181-03 Mood, memory and drinking in alcoholic patients
 R12AA-00209-07 0001 Washington University Alcoholism Research Center - Aging, suicide, and alcoholism-Comparison between Whites and Blacks
 R12AA-00209-07 0009 Washington University Alcoholism Research Center - Brain biochemistry in human alcoholism and in animals drinking excessively (rats)
 P01CA-07304-11 0025 Steroid hormone production and metabolism in cancer - Psychotic depression
 ** P01CA-07304-11 0035 Steroid hormone production and metabolism in cancer - Plasma and urine testosterone in depression
 ** P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
 P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
 R01DC-03764-01 Atypical facial pain and disturbed oral sensation (human)
 P11GM-14270-08 0029 Human drug metabolism and toxicology - Probenecid (dogs)
 P01GM-15253-08 0013 Genetics in medicine-Gene action in man - Polymorphism in the CNS (human, macacca, mice)
 P01GM-15253-08 0032 Genetics in medicine-Gene action in man - Pharmacogenetics of nervous system pathways
 P01HD-00668-16 0006 Aging and the aged - Physical, psychological, and social effects of aging (human)
 P01HD-03110-07 0029 Child development and mental retardation - Neuropharmacology (rats)
 R01HD-03719-10 Metabolic and behavioral studies of human obesity
 R01HD-04524-06 Psychophysiological aspects of aging (human)
 R10MH-03030-15 Improved clinical screening of phenotropic drugs (human)
 R10MH-11468-09 0030 Psychopharmacology research center - Serum tryptophan in man
 R10MH-11468-09 0031 Psychopharmacology research center - Clinical pharmacology of DL-PCA
 P01MH-11668-09 0001 Psychosocial factors in health and disease - Behavior and gastric secretion in gastric fistula subjects
 ** P01MH-11668-09 0005 Psychosocial factors in health and disease - Conservation-withdrawal
 P01MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care

** P01MH-11668-09 0015 Psychosocial factors in health and disease - Identification of clinical depression by symptomatic behavior
 ** P01MH-11668-09 0035 Psychosocial factors in health and disease - Psychosocial factors in leprosy
 ** P01MH-11668-09 0036 Psychosocial factors in health and disease - Behavioral correlations of carcinomatous changes in cervix
 P01MH-11668-09 0050 Psychosocial factors in health and disease - Arteriosclerosis-Developmental determinants of the pressured pattern
 P01MH-11668-09 0063 Psychosocial factors in health and disease - Outcome of induced abortion of wanted pregnancy
 P01MH-11668-09 0066 Psychosocial factors in health and disease - Psychosocial factors in long term survival in neoplasia
 P01MH-11668-09 0087 Psychosocial factors in health and disease - Predictive differentiation of anxiety vs helplessness and guilt vs shame
 P01MH-11668-09 0090 Psychosocial factors in health and disease - Giving-up and disease onset in a 'non-sick' population
 M R01MH-11894-09 Comprehensive behavioral studies
 ** R01MH-11894-09 0001 Comprehensive behavioral studies - Depression (Rhesus monkeys)
 ** R01MH-11894-09 0007 Comprehensive behavioral studies - Rehabilitation of monkey psychopathologies
 ** R01MH-12007-08 0004 Psychoactive phenolic amine analysis - Indole-acetic acids in CSF on depressed patients
 R01MH-12279-09 0002 Drug studies with women, elderly and groups - Diazepam in elderly males
 R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
 M P01MH-13002-06 Clinical and laboratory studies of affective disorder
 ** P01MH-13002-06 0005 Clinical and laboratory studies of affective disorder - Studies of bereavement
 ** P01MH-13002-06 0018 Clinical and laboratory studies of affective disorder - The psychiatric emergency room
 ** P01MH-13002-06 0019 Clinical and laboratory studies of affective disorder - Onset of affective disorders in a normal population
 ** P01MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
 ** P01MH-13002-06 0022 Clinical and laboratory studies of affective disorder - Psychiatric disorders in hemodialysis
 ** P01MH-13002-06 0023 Clinical and laboratory studies of affective disorder - Unwanted pregnancy, abortion and affective disorders
 ** P01MH-13002-06 0024 Clinical and laboratory studies of affective disorder - Depressive symptoms during pregnancy and puerperium
 ** P01MH-13002-06 0025 Clinical and laboratory studies of affective disorder - Affective disorders and functional GI symptoms
 ** P01MH-13002-06 0026 Clinical and laboratory studies of affective disorder - Affective disorders in marijuana users
 ** P01MH-13002-06 0027 Clinical and laboratory studies of affective disorder - Depression in women physicians and PhD controls
 ** P01MH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder
 ** P01MH-13002-06 0035 Clinical and laboratory studies of affective disorder - Follow-up of adolescents with affective disorders
 P01MH-13002-06 0042 Clinical and laboratory studies of affective disorder - Addiction and relationship to affective states (rats)
 P01MH-13369-07 Program for research in psychiatric sociology
 ** R01MH-13738-07 Drug therapy of depressed outpatients
 R01MH-14110-07 0018 Neural modulation and transmission - Related clinical observations
 M R01MH-15413-06 Psychopharmacology of biogenic amines in depression
 R01MH-15413-06 0011 Psychopharmacology of biogenic amines in depression - Clinical studies-Changes in biogenic amine metabolism (human)
 R01MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)
 R01MH-15965-04 Infant attachment and maternal loss (monkeys)
 ** R01MH-16128-06 Early clinical drug evaluation unit
 R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
 ** R01MH-16631-05 Drug and family therapy in depressed outpatients
 R01MH-16728-05 Cognitive development and cognitive socialization
 R01MH-17654-04 Patient profiles and differential response to drugs
 ** R01MH-17728-05 Follow-up of maintenance treatment for depression (human)
 ** R01MH-18070-05 Experimental depression induced in infant monkeys
 ** R01MH-18144-04 The varied response to mother-loss in two species (monkeys)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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• R01MH-18354-04 Attention deficits in subvarieties of schizophrenia
 ** R01MH-18391-04 Sleep psychophysiology and psychopathology (human)
 R01MH-18846-03 Outcome of crisis intervention treatment
 R01MH-18864-04 Epidemiology of achievement and psychiatric status
 ** R01MH-19784-02 Depression—A clinical-research approach
 ** R01MH-19966-03 0013 Psychiatric epidemiology research unit and two field studies - Depression survey
 R01MH-19989-04 Classification and assessment of suicidal behaviors (human)
 ** N01MH-20213-03 Prepare videotapes of clinical interviews—NIMH depression study
 R01MH-21042-03 Folic acid and behavior
 ** R01MH-21044-04 Reproductive endocrinology of depression
 ** R01MH-21090-03 Preclinical studies of rubidium in affective illness (dogs, primates)
 R01MH-21145-02 Adjustment of children of schizophrenic parents
 R01MH-21350-01 Circadian rhythm uncoupling and affect disease
 R01MH-21890-02 Intensive inpatient psychiatric monitoring program
 ** R01MH-21892-02 Biochemical studies of depression in primate models
 R01MH-22019-02 Psychotropic drug assessment (human)
 R01MH-22566-01 Depression and memory function in the aged
 M R01MH-24393-02 MHPG excretion, catecholamine metabolism, and depression
 ** R01MH-24393-02 0005 MHPG excretion, catecholamine metabolism, and depression - Low MHPG excretion associated with depression—A state or trait variable
 ** R01MH-24393-02 0006 MHPG excretion, catecholamine metabolism, and depression - Kinetics of disposition and metabolism of circulating NE (human)
 ** R01MH-24477-01 Activity schedules in treatment of depression
 R01MH-24804-01 Respondent mentation and responses to life situations
 ** R01MH-25080-01 Depressive states and suicide prevention
 R01MH-25133-02 0007 Steroid hormones in depressive illness - Depression and mania in Cushing's syndrome (human)
 R01MH-25258-01 Comparative treatment of emotional problems of aging
 ** R12MH-25416-01 CRB NIMH collaborative studies III—Pilot
 ** R12MH-25430-01 CRB NIMH collaborative studies III—Pilot
 ** R12MH-25447-01 CRB NIMH collaborative depression studies III—Pilot
 ** R12MH-25478-01 CRB NIMH collaborative depression studies III—Pilot
 ** R13MH-25786-01 Miniconsultation on the mental and physical health of black women
 R01MH-26207-01 Behavioral analysis & modification in a community mental health center
 N01MH-30027-00 Mental health services to residents of flood disaster areas
 N01MH-30028-00 Mental health services to residents of flood disaster areas
 N01MH-40008-00 Mental health services to flood victims—Pennsylvania
 ** N01MH-40083-00 Depression rating scales in psychiatric population (human)
 P01NS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)
 ** P07RR-00015-12 0099 Medical school computer facility - Depression and hostility
 ** M01RR-00030-13 0124 General clinical research center - Genovital H3 for depressed elderly
 M01RR-00109-11 0036 General clinical research center - Evaluation of antidepressant activity of BW66-323 in depressed patients
 ** M01RR-00262-09 0028 General clinical research center - Treatment of depression in relative of patient with catastrophic illness (human)
 ** M01RR-00284-08 0030 General clinical research center—pediatric - Affective disorders of childhood

PSYCHOLOGY, EMOTIONS, EMPATHY

SEE ALSO PSYCHOLOGY, COGNITION, INSIGHT
 P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
 R01MH-16952-05 Interpersonal control processes (human)
 R02NU-00369-04 Action program in nursing research facilitation

PSYCHOLOGY, EMOTIONS, EUPHORIA

R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
 M01RR-00069-12 0074 General clinical research center, children - Psychobiological evaluation of osteogenesis imperfecta

PSYCHOLOGY, EMOTIONS, FEAR

R01DA-00135-03 THC and LSD—Residual effects on social behavior (monkeys)
 R01HD-03778-06 The development of social motivation (dogs)

P01HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)
 R01HD-07363-01 Critical factors in family planning participation (clinic attendants)
 ** R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
 R01MH-05162-12 Analysis of vicarious psychological processes (human)
 R01MH-10993-10 Fear modification and learned autonomic control (human)
 P01MH-11668-09 0045 Psychosocial factors in health and disease - Cognitive aspects of fear in phobias
 R01MH-18070-05 Experimental depression induced in infant monkeys
 R01MH-23133-02 Oxygen consumption and the effects of behavioral stress (baboon)
 ** R01MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
 ** R01MH-23607-02 Experimental masochism and allied phenomena (rats)
 R01MH-23863-01 Anxiety control training and systematic desensitization
 R03MH-23870-01 Hormonal effects on aggression (mice)
 ** R03MH-24556-01 Construct validation of fear of success in females
 ** R01MH-24596-01 Coping with novelty—The roots of mastery or fear
 R01MH-24824-01 The growth of peer social interaction in play groups
 R01NS-03606-13 Learning, perception and neural integration (monkeys)

PSYCHOLOGY, EMOTIONS, FRUSTRATION

** R01MH-21675-01 Brain mechanisms of intra-specific fighting in the rat
 ** R03MH-25057-01 Frustration, partial reinforcement and brain lesions (rats)
 R03MH-25737-01 Social conflict in industrial societies
 R02NU-00430-03 Altering patients responses to threatening events

PSYCHOLOGY, EMOTIONS, GRIEF

P01CA-15192-01 Cancer Center Support Grant Specialized
 P01HD-06276-03 0032 Mental retardation research program - Family adaptation to children with mental retardation or fatal diseases
 ** P01MH-11668-09 0004 Psychosocial factors in health and disease - Physiologic changes during sadness
 ** P01MH-11668-09 0030 Psychosocial factors in health and disease - The grieving process
 P01MH-11668-09 0063 Psychosocial factors in health and disease - Outcome of induced abortion of wanted pregnancy

PSYCHOLOGY, EMOTIONS, GRIEF, BEREAVEMENT

SEE ALSO FAMILY, MARRIAGE, WIDOWHOOD
 SEE ALSO PSYCHOSOCIAL SEPARATION
 ** R01CA-14121-02 Interventive family therapy in dying and bereavement
 P01CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
 ** P01MH-11668-09 0030 Psychosocial factors in health and disease - The grieving process
 ** P01MH-11668-09 0031 Psychosocial factors in health and disease - Grieving—A ten year study after multiple deaths from accident
 P01MH-11668-09 0072 Psychosocial factors in health and disease - Donor selection for renal transplantation
 ** P01MH-11668-09 0073 Psychosocial factors in health and disease - Myocardial infarct—Morbidity and mortality in widows
 ** P01MH-13002-06 0005 Clinical and laboratory studies of affective disorder - Studies of bereavement
 R01MH-15867-05 Crisis intervention—Model for prevention (human)

PSYCHOLOGY, EMOTIONS, GUILT

** P01HL-09814-09 0033 Research program—Cardiovascular and related disease - Anger-guilt and health factors (human)
 P01MH-11668-09 0087 Psychosocial factors in health and disease - Predictive differentiation of anxiety vs helplessness and guilt vs shame

PSYCHOLOGY, EMOTIONS, LAUGHTER

P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
 P01HD-05027-05 0013 Developmental psychology - Development of attention
 ** P01MH-08667-10 0010 A longitudinal epidemiology of impaired competence - Reaction of mentally retarded to humor stimuli
 R01NS-09628-03 New approaches to speech instruction of deaf children

PSYCHOLOGY, EMOTIONS, LOVE-AFFECTION

P01HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)

R01MH-11894-09 0006 Comprehensive behavioral studies - Social attachment (Rhesus monkeys)
 ** R03MH-25825-01 Exposure, attraction, and affiliation (human)
PSYCHOLOGY, EMOTIONS, MONOTONY-BOREDOM
 P01HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)

PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)

R18AA-00181-03 Mood, memory and drinking in alcoholic patients
 P17AM-17624-01 0006 Obesity center - Regulation of energy intake (human)
 ** P01HD-03008-07 0027 Cognition and motivation in the retarded - Smiling as a measure of child's sense of pleasure in mastery
 R01HD-07717-01 Contraceptive method and female sexual arousal (human)
 ** P01MH-05519-13 0017 Psychosomatic clinical research center - Pleasure-deficit of schizophrenics
 P01MH-05519-13 0023 Psychosomatic clinical research center - Effects of affective imagery on paired-associate learning of schizophrenics

PSYCHOLOGY, GAME THEORY

SEE ALSO PSYCHOLOGY, COGNITION, DECISION MAKING
 ** P02CA-11051-06 0026 Clinical radiation research center - Game and decision theory in oncology
 ** P01MH-10006-10 0001 Research center for quantitative psychology - Human decision behavior
 P01MH-10006-10 0002 Research center for quantitative psychology - Simulation of concept learning and problem solving
 R01MH-22249-02 Desegregation and prejudice
 R01MH-25666-01 Training single parent families to problem solve

PSYCHOLOGY, HABITS

** R01MH-02035-17 Learning and perception (rats)

PSYCHOLOGY, HABITS, SMOKING

SEE ALSO CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS
 SEE ALSO PYRIDINES, NICOTINE
 R01AA-00688-01 Alcohol use during pregnancy and pregnancy outcome (human)
 N01AA-30031-00 Study on interactions of alcoholism with cancer (phase II)
 N01AA-30103-00 Study alcohol effects on old age (phase II)
 N01AA-30113-00 Relationships between alcohol consumption and heart disease
 P15AL-10391-03 Allergy disease center—Rhinitis investigations (human, guinea pigs)
 R01AM-04401-14 Relation of treatment to diabetic complications (human)
 R01AM-04403-14 Relation of treatment to diabetic complications (human)
 R01AM-04412-14 Relation of treatment to diabetic complications (human)
 R01AM-04495-14 Relation of treatment to diabetic complications (human)
 R01AM-05422-13 Relation of treatment to diabetic complications (human)
 R01AM-05648-14 Relation of treatment to diabetic complications (human)
 R01AM-06737-12 Relation of treatment to diabetic complications (human)
 R01AM-06739-12 Relation of treatment to diabetic complications (human)
 R01AM-06744-12 Relation of treatment to diabetic complications (human)
 R01AM-06876-12 Relation of treatment to diabetic complications (human)
 R01AM-07601-11 Relation of treatment to diabetic complications (human)
 R01AM-07854-11 Relation of treatment to diabetic complications (human)
 R01AM-09113-11 Relation of treatment to diabetic complications (human)
 P17AM-17328-01 0014 Peptic ulcer center - Diagnosis, treatment and prevention of peptic ulcer (human)
 ** P01CA-11535-05 Social epidemiology in prevention of cancer (human)
 ** P02CA-12197-03 0011 Multidisciplinary oncology research center - Metabolism and excretion of polycyclic hydrocarbons by adult smokers
 ** P01CA-12376-03 0002 Environmental carcinogenesis - Division of environmental toxicology
 P01CA-12376-03 0004 Environmental carcinogenesis - Cancer of the kidney (human)
 P01CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)
 P01CA-12376-03 0007 Environmental carcinogenesis - Papillomas of the bladder (human)
 P01CA-12376-03 0008 Environmental carcinogenesis - Large bowel polyps (human)

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 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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** P01CA-12376-03 0009 Environmental carcinogenesis - Foreign investigation
 ** P01CA-12376-03 0012 Environmental carcinogenesis - Different types of cigarettes and various tobacco-related cancers (human)
 P01CA-12376-03 0018 Environmental carcinogenesis - Reduced tumorigenicity of cigarette smoke (hamsters)
 ** P01CA-12376-03 0021 Environmental carcinogenesis - Tumor promoters (mice)
 P01CA-12376-03 0022 Environmental carcinogenesis - Alkylated chrysenes and benzo (a) pyrenes
 P01CA-12376-03 0023 Environmental carcinogenesis - Quantitative analysis of insecticides in adipose tissue (human)
 R01CA-14189-02 Bronchogenic carcinoma-Early detection and etiology (human)
 R26CA-14927-02 Environmental bladder carcinogenesis (human)
 ** R01CA-14974-01 Prognostic factors in lung cancer
 R01CA-15050-01 Potential carcinogenicity of cannabis (mice, rats)
 ** R01CA-15784-01 Human macrophages and other cells in carcinogenesis (human)
 P01CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)
 N01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)
 ** N01CP-33241-02 Carcinogenesis principles of processed tobacco and tobacco smoke (human, mammals)
 ** N01CP-33284-04 Bioassay of the cytotoxicity of cigarette smoke (mammals nonhuman)
 ** N01CP-43213-00 Study of smoking and mortality among veterans
 ** N01CP-43309-00 Screening method to determine smoking hazards (human)
 ** N01CP-43310-00 Respiratory impairment in beagles exposed to cigarette smoke
 N01CP-43314-00 Inhalation bioassay in rats
 ** N01CP-43315-00 Inhalation bioassay of cigarette smoke in dogs
 N01CP-43316-00 Evaluation of smoker acceptance of less-hazardous cigarettes
 ** N01CP-43320-00 Mouse dermal bioassays of cigarette smoke condensates
 N01CP-43342-00 Etiology of esophageal cancer in the Caspian Littoral of Iran
 ** N01CP-43361-00 Prepare and analyze cigarette smoke condensate samples
 ** N01CP-45622-00 Tobacco smoke constituents (animals)
 R01DA-00065-04 Drugs and personality (children)
 ** R01DA-00067-04 Marijuana effects on lung and electroencephalogram (human)
 R01DA-00069-04 Toxicology of marijuana in animals and man
 R01DA-00094-04 Drug use surveillance-San Mateo County Schools
 ** R01DA-00097-03 Childrens drug use-Educational and other correlates
 R25DA-00767-02 'US' youth senior drug prevention program
 ** N01DA-10089-03 Determine effects of natural and synthetic marijuana in humans
 P10ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)
 R01ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
 R01ES-00797-01 Inorganic particles in cigarettes and cigarette smoke
 R01ES-00868-02 Effect low level air pollutants on human health
 ** P10ES-00928-01 0001 Environmental agents-Relation to human health effects - Silicate dusts and concurrent smoking
 ** P10ES-00928-01 0002 Environmental agents-Relation to human health effects - Organic dusts among furriers and concurrent smoking
 P10ES-00928-01 0021 Environmental agents-Relation to human health effects - Carbon disulfide-Relation to coronary disease and atherosclerosis (human)
 ** P10ES-00928-01 0029 Environmental agents-Relation to human health effects - Inorganic microparticles in lungs of smokers and non-smokers
 ** P10ES-00928-01 0034 Environmental agents-Relation to human health effects - Cigarette filter capture of ultramicroscopic inorganic particles
 ** P01GM-09069-12 0083 Research in anesthesiology - Cigarette smoking and metabolism of phenacetin (human)
 ** P01GM-09069-12 0092 Research in anesthesiology - Cigarette smoke and phenacetin metabolism (rats)
 P01GM-14231-09 0007 Natural history of heart, cancer, stroke in a population - Ischemic heart disease (human)
 P11GM-15431-08 0039 Research center for clinical pharmacology and drug toxicology - Influence of age upon drug disposition and elimination (human)
 P11GM-15477-08 0063 Drug metabolism and biochemical pharmacology - Nature of hepatic and extrahepatic benzpyrene hydroxylase (rats, human)
 N01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
 N01GM-42148-03 Collaborative drug surveillance program (human)
 P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
 ** R01HD-01831-09 0003 Factors maintaining biochemical polymorphisms - Alpha-antitrypsin phenotype and smoking habit (human)
 P01HD-03693-06 0002 Pathogenesis of chronic infections - Maternal health and epidemiology (human)
 ** R01HD-05755-04 Minor birth defects for environmental monitoring (human)
 P01HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)
 R01HD-07214-02 Long-term complications of induced abortions
 P01HD-07256-03 0007 Child health and development studies - Growth (human)
 ** N01HD-42867-00 Fetal effects of maternal smoking related to other risk factors
 R01HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
 R01HL-03429-15 Central nervous system and coronary heart disease (human)
 R01HL-05933-15 Applied pulmonary physiology (human)
 P01HL-06336-14 0024 Cardiovascular program project - Effects of changes of risk factors on evolution of coronary disease (human)
 R01HL-08481-11 Data pooling project-Coronary disease and risk factors (human)
 P01HL-08974-10 0002 Natural and experimental atherosclerosis - Geographical pathology of cerebral atherosclerosis (human)
 ** P01HL-08974-10 0007 Natural and experimental atherosclerosis - Effects of cigarette smoking in baboons
 P01HL-09814-09 0004 Research program- Cardiovascular and related disease - Chronic respiratory disease (human)
 P01HL-09814-09 0036 Research program- Cardiovascular and related disease - Interrelationship chronic respiratory disease and coronary heart disease (human)
 P01HL-09814-09 0037 Research program- Cardiovascular and related disease - New risk factors associated with chronic respiratory disease (human)
 ** P01HL-09814-09 0038 Research program- Cardiovascular and related disease - Isuprel inhalation on lung function, respiration and smoking (human)
 R01HL-10009-09 Pulmonary blood flow distribution in man
 R01HL-10342-09 0005 Cardiovascular, pulmonary, and behavioral studies - Adaptive processes to carbon monoxide exposure (human, rats)
 R01HL-11884-05 Work function after myocardial infarction (human)
 R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
 R01HL-12833-05 Genetic and environmental influences on lung disease (human)
 ** R01HL-13329-04 Stress and heredity factors related to blood pressure (human)
 R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
 ** P01HL-13979-04 0008 Cardio-pulmonary-renal program - Chronic obstructive pulmonary disease (dogs)
 P17HL-14138-04 0011 Center for research on atherosclerosis - Application of angiography for assessing atherosclerosis (human)
 P17HL-14153-04 0001 Johns Hopkins Lung Center - Genetic and environmental factors in chronic pulmonary disease (human)
 P17HL-14174-04 0006 Atherosclerosis behavioral and epidemiological studies - Behavioral component (human)
 P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
 ** P17HL-14212-04 0007 Correlated studies of pulmonary disease - Protein biosynthesis in alveolar macrophages (rabbits, guinea pigs, human)
 R01HL-14297-03 The arteriolar basis for microcirculatory disorders (human)
 R01HL-14378-03 Lipemias and reconstructive cardiac surgery (human)
 R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
 R01HL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
 R01HL-14703-08 The role of infection in emphysema (human)
 R01HL-14759-03 Immunochemistry of lung collagen (human, guinea pigs)
 P01HL-14780-02 0028 Mechanisms and treatment of cardiovascular diseases - Evaluation of surgical intervention in coronary artery disease (human)
 P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
 P17HL-15092-03 0004 Occupational environmental pulmonary disease center - Pulmonary function industrial population unexposed to injurious inhalants
 R01HL-15174-03 CV disease epidemiology-Second generation studies (human)
 R01HL-15273-02 Metabolism of pulmonary surfactant (rats)
 ** R01HL-15755-01 Experimental emphysema (dogs)
 R01HL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke
 P01HL-16118-01 0004 Mechanisms in the remodeling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)
 R01HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
 ** R01HL-16990-05 Bronchopulmonary resistance to bacterial infection (human, mice)
 N01HR-12216-04 Family study of alpha 1 antitrypsin
 ** N01HR-22940-03 Chronic obstructive pulmonary disease and tobacco smoking (dogs)
 ** N01HR-22941-02 Physiological study of cynomolgus monkeys
 N01HR-32900-02 Pilot study to standardize the measurement of 'closing volume' (human)
 ** N01HR-32901-02 Smoking and other pollutants in chronic airways obstructions (human)
 N01HR-32902-01 Pilot study to standardize the measurement of 'closing volume' (human)
 N01HR-32903-02 Pilot study to standardize the measurement of 'closing volume' (human)
 P16HS-00472-06 0027 Health services research center - Chronic respiratory disease studies (human)
 P16HS-00472-06 0040 Health services research center - Incentives to consumers to forego practices destructive to their health
 N01HV-12441-08 Study hypertension in general population
 N01HV-22945-05 Cooperative hypertension detection and follow-up study (human)
 N01HV-22971-03 Prevention of coronary heart disease
 N01HV-22976-03 Multiple risk factor intervention trial, prevention of coronary heart disease
 N01HV-22977-05 Multiple risk factor intervention trial, prevention of coronary heart disease
 N01HV-22978-05 Multiple risk factor intervention trial, prevention of coronary heart disease
 N01HV-22979-03 Multiple risk factor intervention trial, prevention of coronary heart disease
 N01HV-22980-03 Multiple risk factor intervention trial for coronary heart disease prevention
 N01HV-22981-04 Multiple risk factor intervention trial, prevention of coronary heart disease
 N01HV-22982-02 Multiple risk factor intervention trial for prevention of coronary heart disease
 N01HV-22983-03 Prevention of coronary disease
 N01HV-33101-03 Development and conduct of a multiple risk factor intervention trial
 N01HV-33104-01 Prevention of coronary heart disease (human)
 N01HV-33105-01 Intervention trial for prevention of coronary heart disease (human)
 N01HV-33106-02 Intervention trial for the prevention of coronary heart disease (human)
 N01HV-33107-01 Intervention for the prevention of coronary heart disease (men)
 N01HV-33108-01 Prevention of coronary heart disease (human)
 N01HV-33109-01 Intervention trial for the prevention of coronary heart disease
 N01HV-33110-01 Prevention of coronary heart disease (human)
 N01HV-42929-00 Risk factor intervention trial for the prevention of CHD (human)
 N01HV-42930-00 Risk factor intervention trial for the prevention of CHD (human)
 N01HV-42931-00 Risk factor intervention trial for the prevention of CHD (human)
 N01HV-42932-00 Risk factor intervention trial for the prevention of CHD (human)
 N01HV-42933-00 Multiple risk factors in coronary heart disease
 R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
 P01MH-13369-07 Program for research in psychiatric sociology
 R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
 R01NS-01396-17 Structure activity relationships to autonomic agents
 N01NS-22321-03 Analyses of ancillary studies-perinatal project
 ** R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
 R01OH-00369-02 Epidemiology of respiratory disease in firefighters
 R01OH-00387-03 Accelerated silicosis in sandblasters (human)
 R01OH-00423-01 Working conditions, job satisfaction, and CHD risk
 R01OH-00511-02 Bynsiosis (human, rabbits, guinea pigs, hamsters)
 ** M01RR-00034-14 0092 General clinical research center - Effects of smoking on tissue oxygen supply and erythrocytosis
 M01RR-00062-12 0053 Clinical research center, children - Raynauds disease-Vasospastic effect of cigarette smoke (canid)

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MO1RR-00722-02 0023 General Clinical Research Center - Genetic and other factors in chronic obstructive pulmonary disease (human)

PSYCHOLOGY, IDENTITY

- R18AA-00585-01 Keweenaw Bay Indian center alcoholism program
- R18AA-01339-01 Fairbanks native association council on alcoholism
- R18AA-01642-01 Social Development center
- PO1HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
- PO1HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
- ** PO1HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
- RO1HD-07856-01 Role induction in pregnancy (human)
- RO1MH-15521-06 Problem solving behavior of family groups (human)
- ** RO1MH-16952-05 Interpersonal control processes (human)
- RO1MH-18958-02 Social activism and the mental health workers role
- RO1MH-20369-03 Effectiveness of individual psychotherapy
- RO1MH-21735-03 The behavioral consequences of androgyny (human)
- RO1MH-22719-03 Native American children-The urban way
- RO1MH-23262-02 Assimilation of Latin American minorities in the US
- RO1MH-23806-01 Correlates and consequences of ethnicity in the US
- ** R13MH-25655-01 Identity crisis of the Sansei
- ** PO1NS-06459-09 0056 Communication sciences - Research on speaker identification (human)

PSYCHOLOGY, IDENTIFICATION

- R18AA-00003-01 Services for problem drinking drivers
- R18AA-00003-01 Alcoholism outreach program in Fairfax County, Virginia
- ** R18AA-00818-01 Identification/treatment alcoholic in court system
- R18AA-01546-01 Cocoph alcoholism program
- ** R18AA-01604-01 Early identification and referral model
- R18AA-01672-01 Cumberland River Mental Health-Mental Retardation Board, Inc.
- R18AA-01675-01 Rockland County comprehensive alcoholism service programs
- R18AA-01704-01 Pikes Peak alcoholism service division
- R18AA-01745-01 Alcoholism within prepaid group practice HMO's
- R18AA-01755-01 NYC corporate headquarters project
- R18AA-01810-01 Community alcoholism services poverty program
- R25DA-00827-01 Pilot demonstration drug training program
- PO1DA-01097-01 0004 Center for socio-cultural research on drug use - Health and psychosocial factors in drug behavior
- PO1DA-01097-01 0009 Center for socio-cultural research on drug use - Methodological studies
- ** R18DA-01104-01 Impact of drug use in families
- ** PO1HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
- RO1MH-25525-01 Investment of self in an urban group

PSYCHOLOGY, IMAGINATION, DREAMS

- SEE ALSO PSYCHIC ACTIVITY LEVEL, SLEEP
- PO1HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)
- PO1HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
- RO1MH-03859-13 0003 Developmental-interactive aspects of hypnosis - Hypnotic behavior and the hypnotic state
- ** RO1MH-04151-14 0008 Psychology and physiology of sleep - Sleep and dreams in the aged (human)
- ** RO1MH-04151-14 0011 Psychology and physiology of sleep - Phasic oculomotor potentials in human sleep
- RO1MH-06671-11 The development of children's naturalistic concepts
- PO1MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
- PO1MH-11668-09 0093 Psychosocial factors in health and disease - Recording of exact dates in the unconscious
- RO1MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- RO1MH-14520-06 Pharmacology of sleep-Long-term studies (human, rats)
- ** RO1MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)
- RO1MH-15655-07 Effects of sleep on memory (human)
- ** RO1MH-18391-04 Sleep psychophysiology and psychopathology (human)
- ** RO1MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams
- RO1MH-21989-03 Studies of psychological differentiation (human)
- RO1MH-23450-02 Preparatory training program for psychotherapy

- RO1MH-25845-01 Sleep mentation and functional hemispheric asymmetry
- PO1NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** MO1RR-00055-13 0030 General clinical research center - Study of sequential dreams
- ** MO1RR-00062-12 0015 Clinical research center, children - Sleep-dream patterns in phenylalaninemia

PSYCHOLOGY, IMAGINATION, FANTASY

- SEE ALSO PSYCHOSIS, SCHIZOPHRENIA, CHILDHOOD
- SEE ALSO SENSORY-PERCEPTUAL DISORDERS, HALLUCINATIONS
- RO1HD-07717-01 Contraceptive method and female sexual arousal (human)
- RO1MH-18856-04 Control of the subjective intensity of sensation (human)
- RO1MH-24804-01 Respondent mentation and responses to life situations
- ** MO1RR-00626-02 0070 General clinical research center - Analysis of fantasies of sexual deviants
- MO1RR-00626-02 0071 General clinical research center - Altering sexual fantasies as treatment of sexual deviation

PSYCHOLOGY, LEARNING

- SEE ALSO EDUCATION, PROGRAMMED INSTRUCTION
- SEE ALSO PSYCHOLOGY, BEHAVIOR, INFORMATION-SEEKING
- SEE ALSO PSYCHOLOGY, CONDITIONING
- RO1AA-00200-03 Neurobiological correlates of chronic alcohol consumption (mice, rats)
- ** RO1AA-01197-02 Use of learning theory in preventing alcohol abuse
- ** NO1AA-30107-00 Model learning system in alcohol abuse and alcoholism prevention (human)
- RO1AM-17240-01 Physiological mechanisms of satiety (rats, monkeys)
- RO1DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)
- RO1DA-00105-03 Neuronal and social factors in the abuse of marijuana (rats)
- RO1DA-00111-02 Chronic THC-Effects of brain development (mice)
- ** RO1DA-00115-03 Effects of opiate withdrawal on learning (rats)
- RO1DA-00355-02 Marijuana and behavior-Long-term interactions (rats, monkeys)
- ** NO1DH-44065-00 Conduct of an intensive two-week workshop for TEAM faculty
- ** P10ES-00159-09 0019 Center for study of the human environment - Chronic lead ingestion and learning in rats
- ** P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- RO1EY-00088-11 Effects of brain lesions on brightness discrimination (cats)
- ** RO1EY-00691-14 Neurology of learning and vision (cats, rabbits, rats)
- PO1EY-01319-01 0004 Visual science research center support - Electrophysiology studies of visual cortex in monkeys
- PO1GM-16058-09 0012 Biosensor and subject monitoring system development - Automated system for primate instruction (ASPRIN)
- RO1GM-17866-21 Genetic control of macromolecular syntheses (leeches)
- ** PO1HD-00668-16 0011 Aging and the aged - Learning and psychophysiological parameters in aged (human)
- ** PO1HD-00668-16 0014 Aging and the aged - Bioelectric correlates of learning in the brain (cats, human)
- PO1HD-00870-11 0008 Communication research with retarded children - Factors affecting the imitation and comprehension of speech
- PO1HD-00973-11 0058 Research program on retarded intellectual development - Juvenile monkeys exposed to responsive and nonresponsive environments
- PO1HD-00973-11 0065 Research program on retarded intellectual development - Operant research with rats and quail
- PO1HD-00973-11 0083 Research program on retarded intellectual development - Reciprocal impact of developmentally delayed and advanced siblings (rodents)
- ** PO1HD-00973-11 0084 Research program on retarded intellectual development - Reptiles as models for endocrine dependent exposure learning
- ** PO1HD-00973-11 0086 Research program on retarded intellectual development - Emotions as variables in learning and the development of social skills (monkeys)
- RO1HD-01107-11 Social and exploratory behavior in infants (human)
- M PO1HD-01136-10 Center for research in human learning
- ** PO1HD-01136-10 0008 Center for research in human learning - Instruction (children, adults)
- PO1HD-01136-10 0012 Center for research in human learning - Speech perception
- PO1HD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
- ** PO1HD-02528-08 0063 Research center in mental retardation - Concept acquisitions
- ** PO1HD-02528-08 0073 Research center in mental retardation - Concept acquisition and transfer

- PO1HD-02528-08 0082 Research center in mental retardation - Effect of central nervous system stimulants on hyperactive children
- ** PO1HD-02881-07 0005 Developmental and behavioral neuroendocrinology - Hormones and learning in adults (squirrel monkeys)
- ** PO1HD-03008-07 0004 Cognition and motivation in the retarded - Need for approval and conformity behavior
- PO1HD-03008-07 0021 Cognition and motivation in the retarded - Effects of need for social approval and mastery on task performance
- PO1HD-03008-07 0024 Cognition and motivation in the retarded - Assessment of curiosity motivation
- ** PO1HD-03008-07 0025 Cognition and motivation in the retarded - Relationship between curiosity motivation and learning
- PO1HD-03008-07 0028 Cognition and motivation in the retarded - Basic research on nature of intervention (human, chickens)
- PO1HD-03110-07 0021 Child development and mental retardation - School age research
- PO1HD-03352-07 0005 Wisconsin center on mental retardation - Behavioral effects of brain lesions (monkeys, cats)
- ** PO1HD-03352-07 0017 Wisconsin center on mental retardation - Infant development (human)
- ** PO1HD-03352-07 0021 Wisconsin center on mental retardation - Orofacial region and speech development
- ** RO1HD-03386-06 Experiential determinants of exploration in primates (human)
- RO1HD-03591-07 Experimental and innate factors in early development (humans)
- ** RO1HD-03869-06 Elaborative learning process in adolescence
- ** RO1HD-03911-12 Sensory discrimination and learning in human infants
- PO1HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
- ** RO1HD-04320-06 Developmental studies in learning and attention (children)
- ** PO1HD-04335-06 Brain-behavior relationships in mental retardation
- PO1HD-04510-06 0001 Center for research in human development - Institute on mental retardation and intellectual development
- PO1HD-04510-06 0003 Center for research in human development - Center for community studies
- PO1HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys)
- ** PO1HD-04510-06 0013 Center for research in human development - Educational research-Basic
- PO1HD-04612-06 0006 Mental retardation research center - Neural correlates of sensation and learning in brain (monkeys, cats)
- PO1HD-04612-06 0021 Mental retardation research center - Electrophysiology of learned motor performance (human)
- ** PO1HD-04612-06 0022 Mental retardation research center - Neural response plasticity during learning (human, cats)
- PO1HD-04612-06 0023 Mental retardation research center - Assessment of behavioral performance in infant animals (cats)
- ** RO1HD-04756-04 Infant auditory perception and learning (human)
- RO1HD-04863-05 Social development after malnutrition in infancy (monkeys)
- PO1HD-05027-05 0008 Developmental psychology - Attention-perception
- RO1HD-05089-04 Learning and cognitive development in children
- M PO1HD-05124-04 Mental retardation-Behavioral and neurologic aspects
- RO1HD-05354-04 Four preschool programs-Dimension and effects-II
- RO1HD-05394-04 Amino acids and prenatal brain development (rats)
- PO1HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
- RO1HD-05571-03 Prenatal stress-Hormonal and genotypical factors (rats)
- RO1HD-05653-10 Classical conditioning in retardates and normals (human)
- RO1HD-05902-04 Aging in monkeys
- ** PO1HD-05958-03 0001 Neurophysiology and neuropsychology in mental retardation - Neural correlates of sensation and learning in the brain (cats, monkeys)
- ** PO1HD-05958-03 0002 Neurophysiology and neuropsychology in mental retardation - Electrophysiology of learned motor performance (cats)
- ** RO1HD-06060-03 Thyroid function and intelligence (monkeys, rats)
- ** RO1HD-06457-02 Imposed and induced learning activities of children
- RO1HD-06605-02 Developmental studies of selective attention
- RO1HD-06730-02 Beginning and fluent reading
- RO1HD-06770-02 Development of a behavioral phenotype (quail)
- RO1HD-07054-01 Developmental aspects of passive avoidance learning (rats)

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(contd)

RO1HD-07307-02 The development of space perception in children
 PO1HD-07329-02 0001 Input structure and retardate performance - Acquisition, storage and retrieval of clusterable and non-clusterable pictures
 PO1HD-07329-02 0004 Input structure and retardate performance - Von Restorff effect in recall and recognition of visual and auditory stimuli
 PO1HD-07329-02 0011 Input structure and retardate performance - Role of commonality in knowledge acquisition
 PO1HD-07329-02 0012 Input structure and retardate performance - Role of theme activity in knowledge acquisition
 PO1HD-07329-02 0013 Input structure and retardate performance - Role of controlled progression in knowledge acquisition
 PO1HD-07329-02 0014 Input structure and retardate performance - Cascaded chain curriculum model in knowledge acquisition by mentally retarded
 PO1HD-07329-02 0015 Input structure and retardate performance - Concept utilization, strategy training and academic performance
 RO1HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
 ** RO1HD-07755-01 Learning and psychophysiological studies in the aged
 RO1HD-08966-01 0006 Early diagnostic studies of aberrant development - Behavior studies-Neonatal evaluation and follow-up (human)
 P18HL-15161-03 0001 Comprehensive sickle cell disease center - Program for provision of medical and social services to sickle cell patients
 P18HL-15166-03 0011 Comprehensive sickle cell disease center - Genetic counseling and its effects on fertility
 ** RO1LM-00673-06 Development and evaluation of instructional materials
 RO1MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
 RO1MH-01099-19 Learning and transfer processes (human)
 RO1MH-01206-18 Behavior without awareness (human)
 ** RO1MH-02035-17 Learning and perception (rats)
 RO1MH-02261-16 Neuropsychologic aspects of visual discrimination (monkeys)
 ** RO1MH-03372-15 0029 Neural mechanisms in behavior - Learning a two-hand coordination task in commissurotomy patients
 ** RO1MH-03372-15 0030 Neural mechanisms in behavior - Perceptual-motor learning and bilateral transfer in commissurotomy patients
 ** RO1MH-03372-15 0042 Neural mechanisms in behavior - Involvement of chick forebrain in appetitive discrimination learning
 ** RO1MH-03916-15 Perceptual factors in emotional conditioning (human)
 ** RO1MH-04726-14 Functions of association cortex in learning (cats, monkeys)
 ** RO1MH-05162-12 Analysis of vicarious psychological processes (human)
 RO1MH-07722-10 Research on information processing psychology (human)
 ** RO1MH-11857-08 A theory of hypothesis behavior in human learning
 M RO1MH-11894-09 Comprehensive behavioral studies
 ** RO1MH-11894-09 0003 Comprehensive behavioral studies - Cortical facilitative agents and learning test performance (Rhesus monkeys)
 ** RO1MH-11894-09 0004 Comprehensive behavioral studies - Cortical lesions, early experience, and learning (Rhesus monkeys)
 RO1MH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)
 RO1MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
 ** RO1MH-14651-07 Comparative study of vocal learning (canaries, blackbirds, housefinch, sparrows)
 PO1MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 M RO1MH-15828-06 Research in human information processing
 RO1MH-15828-06 0001 Research in human information processing - Judgement in children
 RO1MH-15828-06 0006 Research in human information processing - Visual imagery and motor functioning
 ** RO1MH-15828-06 0007 Research in human information processing - Learning and education
 ** RO1MH-15902-05 Comparative studies of reinforcement parameters (fish, rats, pigeons, turtles)
 ** RO1MH-16270-07 Sensory information processing (human)
 RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
 RO1MH-16544-04 Neonatal factors in serious mental disorder (human)
 RO1MH-16954-04 Effects of somatosensory deafferentation (monkeys, opossum)
 ** RO1MH-16978-06 Brain studies of purposive behavior (rats)
 RO1MH-17377-05 Early experience and development of behavior (rats)
 RO1MH-18343-04 Neural lateralization of vocal control (birds)
 ** RO1MH-18411-05 Cognitive effects on GSR conditioning and performance (human)
 PO1MH-18909-04 Pediatric psychopharmacology (human, rats)
 ** RO1MH-19426-02 Neural responses to relevant and irrelevant stimuli (cats)
 ** RO1MH-20059-02 Neural mechanisms of memory readout (cats)
 ** RO1MH-20743-03 The child's creative learning space
 RO1MH-21051-03 Errors and personalities- Their role in cognition in children
 RO1MH-21119-02 College success-Task structure and strategy
 RO1MH-22081-02 Rehearsal and recognition in kinesthetic memory
 ** RO1MH-22340-02 New method for studying drug effects on learning (pigeons)
 RO1MH-22568-01 Developmental learning and problem solving (human)
 ** RO1MH-23254-01 Neuronal substrates of choice and learning (gastropods)
 ** RO1MH-23294-03 Phylogeny of learning (nonvertebrates, birds, fish, rats, reptiles)
 RO1MH-23446-01 Drive and reward in instrumental learning (rats)
 RO1MH-23563-01 Multiple-cue probability learning and judgement
 M PO1MH-23878-06 Cognitive processes and mathematical psychology
 ** PO1MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
 PO1MH-23878-06 0015 Cognitive processes and mathematical psychology - Development of memory skills
 ** PO1MH-23878-06 0020 Cognitive processes and mathematical psychology - Conjunctive and disjunctive concept learning (human)
 PO1MH-23878-06 0021 Cognitive processes and mathematical psychology - Dimensional saliency and decision rules in problem solving
 ** PO1MH-23878-06 0023 Cognitive processes and mathematical psychology - Probability learning (human)
 ** PO1MH-23878-06 0024 Cognitive processes and mathematical psychology - Learning to estimate average values
 RO1MH-23879-02 Drugs and memory (rats, mice)
 ** RO1MH-23880-02 Behavioral effects of drugs in Macaca mulatta
 ** RO1MH-23903-02 Early patterns of cognitive development
 ** RO3MH-23978-01 Effect of perinatal nutrition on aversion threshold (rats)
 RO3MH-24023-01 Drawing inferences from a passage of text
 ** RO3MH-24092-01 Observational learning (rats, pigeons)
 RO1MH-24316-01 Processing and formation of natural categories (human)
 RO1MH-24329-01 Anticholinergic drugs and emotional behavior (rats)
 RO3MH-24718-01 Social effects in a choice reaction time paradigm
 RO3MH-24725-01 A model relating attitudes and behavior
 RO1MH-24859-01 Program factors and student outcomes in success schools
 ** RO3MH-24912-01 Augmentation of REM sleep after learning (mice)
 RO3MH-25052-01 Effect of training methods on gradients of inhibition (pigeons)
 ** RO3MH-25083-01 Differences in learning dynamics of individuals (goldfish)
 RO3MH-25543-01 Measuring some effects of self-awareness (human)
 ** RO1MH-25621-01 Forebrain lesions and affective behavior (cats, monkeys)
 ** RO1MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
 ** RO1MH-26069-01 Cognitive factors in learning by example
 RO1MH-26239-01 Human self regulation
 RO1NS-02501-13 Computers and neurophysiology in study of brain (human, mammals, non-human)
 RO1NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
 PO1NS-03356-14 0043 Neurological clinical research center - Neuropsychological studies (human)
 ** RO1NS-03606-13 Learning, perception and neural integration (monkeys)
 RO1NS-03641-08 Comparative studies on nervous system (mammals)
 PO1NS-03856-12 0003 Auditory communication and its disorders - Sensory behavior (human, chinchillas)
 RO1NS-05937-09 Lateral hypothalamic recovery
 PO1NS-06225-09 0001 Cerebral localization - Patterns of localization in the CNS (cats, dogs, rabbits, primates)
 ** PO1NS-06890-07 0008 Sensory processes - Discriminative training procedure (fish, birds)
 ** PO1NS-06890-07 0011 Sensory processes - Fish forebrain in visual processing
 RO1NS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
 RO1NS-08048-04 Comparative studies on mammalian nervous system (monkeys)
 RO1NS-08108-07 Escape reflex-Physiology of habituation (crayfish)
 RO1NS-09135-05 Studies in distractibility (children)
 ** RO1NS-09407-02 Brain RNA metabolism and biochemistry of learning (fish)
 RO1NS-09471-02 Folic acid deficiency and brain development (mice, rats)
 RO1NS-09884-03 Timing and coding of cerebellar output (monkeys)
 ** RO1NS-10270-01 Molecular pharmacological correlates of behavior (fish)
 PO1NS-10299-03 0008 Biophysical and biochemical studies of cellular membranes - Octopus central nervous system
 RO1NS-10405-03 Neural coding of taste-quality information (rats)
 ** RO1NS-10601-02 Praxis-Role of intracortical pathways (monkeys)
 RO1NS-11779-01 Hemisphere integration and specialization (cats)
 ** NO1NS-42324-00 Critical age for language learning
 P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 ** MO1RR-00349-08 0060 General clinical research center - Evaluation of stress during learning of surgical skills (human)
PSYCHOLOGY, LEARNING, ASSOCIATION
 PO1HD-00870-11 0010 Communication research with retarded children - Storing and retrieving information
 RO1HD-00926-13 Recognition and recall during acquisition and retention (human)
 PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
 PO1HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration- Construction and utilization of relational contexts
 PO1HD-01136-10 0006 Center for research in human learning - Verbal learning and memory (children)
 RO1HD-02395-08 Development of the EEG in relation to behavior (human)
 ** RO1HD-02588-08 Stimulus factors in verbal learning of retardates (human)
 PO1HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
 RO1HD-03869-06 Elaborative learning process in adolescence
 RO1HD-06420-03 Cognitive processes in verbal learning tasks
 RO1HD-06885-02 Interaction between human aging and memory
 RO1HD-07772-01 Asymptotic recognizability and recognition memory
 PO1HL-09814-09 0012 Research program- Cardiovascular and related disease - Data analysis
 ** PO1MH-05519-13 0016 Psychosomatic clinical research center - Characteristics of schizophrenics in immediate recall of word-lists
 PO1MH-05519-13 0017 Psychosomatic clinical research center - Pleasure-deficit of schizophrenics
 PO1MH-05519-13 0019 Psychosomatic clinical research center - Structure of word-storage in memory of schizophrenics
 PO1MH-05519-13 0020 Psychosomatic clinical research center - Recognition memory of schizophrenics
 PO1MH-05519-13 0022 Psychosomatic clinical research center - The serial position effect of free recall in schizophrenia
 ** PO1MH-05519-13 0023 Psychosomatic clinical research center - Effects of affective imagery on paired-associate learning of schizophrenics
 RO1MH-08423-10 Memory and interference in classical conditioning (cats)
 RO1MH-10249-07 Analysis of the two-factor theory of interference (human)
 ** RO1MH-12006-07 Transfer and interference in learning and retention (human)
 RO1MH-12717-08 Information processing and retrieval
 ** RO1MH-13950-07 Effect of memory aids on learning and retention
 RO1MH-15494-06 The matching law (rats, pigeons, human)
 RO1MH-15655-07 Effects of sleep on memory (human)
 RO1MH-16100-06 Feedback process in punishment and reward (human, monkeys)
 RO1MH-16270-07 Sensory information processing (human)
 RO1MH-16817-05 Cognitive hierarchies
 RO1MH-19223-05 Reasoning and cognition (children, adults)
 RO1MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
 RO1MH-20584-02 Mechanisms of directed forgetting
 RO1MH-21037-03 Savings and forgetting from long-term memory
 RO1MH-21288-03 Concept development
 PO1MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning

(contd)

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- ** P01MH-23878-06 0016 Cognitive processes and mathematical psychology - Retrieval process in free recall (human)
- P01MH-23878-06 0017 Cognitive processes and mathematical psychology - Spatial representations of memory (human)
- P01MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
- P01MH-23878-06 0022 Cognitive processes and mathematical psychology - Reward values and number concepts in children's discrimination learning
- P01MH-23878-06 0025 Cognitive processes and mathematical psychology - Response factors in transfer
- P01MH-23878-06 0026 Cognitive processes and mathematical psychology - Response to compound stimuli
- P01MH-23878-06 0028 Cognitive processes and mathematical psychology - Model for coding and organization in memory
- R01MH-23939-02 Decoding information from memory
- R03MH-24415-01 Developmental changes in long term retention (children)
- ** R03MH-25070-01 Time and association in auto-shaped responding (pigeons)
- ** R03MH-26189-01 Organization and memory in children
- R01NS-10409-01 Behavioral role of the cerebellum (rats)
- R01NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)

PSYCHOLOGY, LEARNING, BIOCHEMISTRY

SEE ALSO PSYCHOPHARMACOLOGICAL AGENTS, LEARNING ENHANCING AGENTS

- R01ES-00883-01 Effect of load in the developing neonatal brain (rats)
- R01GM-18764-03 Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats)
- R01HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- P01MH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- ** P01MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
- ** P01MH-16674-06 0035 A program of psychiatry-oriented biological research - Inhibition of non-adrenergic neurotransmission on memory consolidation in mice
- ** P01MH-16674-06 0036 A program of psychiatry-oriented biological research - Effect of sylindryl protecting agents on memory consolidation in mice
- ** R01MH-19497-03 Memory processes and retention (rats, mice)
- ** R03MH-25384-01 Hormonal influences on time-dependent memory processes (rats)
- ** R01MH-25486-01 Biochemical processes in the formation of memory (animals)
- R01NS-11061-01 Regulation of adneric metabolism (rats)

PSYCHOLOGY, LEARNING, BIOCHEMISTRY, MEMORY PEPTIDES

- P01GM-13901-08 0003 Analytical biochemistry for human studies - Mass spectrometry of peptides (mammals)
- R01MH-19497-03 Memory processes and retention (rats, mice)
- ** R01MH-25281-01 Memory consolidation (rats)

PSYCHOLOGY, LEARNING, DISCRIMINATION

- R01EY-00573-12 Vision in special environments - Developmental effects (monkeys, cats, rats)
- R01HD-00926-13 Recognition and recall during acquisition and retention (human)
- P01HD-01136-10 0002 Center for research in human learning - Reaction time and information processing (human)
- P01HD-01136-10 0004 Center for research in human learning - Cognition
- P01HD-02528-08 0013 Research center in mental retardation - Laboratory analogues of behavior modification techniques (children)
- P01HD-03008-07 0012 Cognition and motivation in the retarded - The verbal mediation defect theory of mental retardation
- P01HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
- ** P01HD-04612-06 0018 Mental retardation research center - Development of visually evoked responses and associated behaviors (cats)
- P01HD-05027-05 0015 Developmental psychology - Practical aspects of perceptual development
- P01HD-05027-05 0017 Developmental psychology - Infant perception
- P01HD-05124-04 0001 Mental retardation-Behavioral and neurologic aspects - Reading comprehension and crossmodal transfer
- P01HD-05124-04 0002 Mental retardation-Behavioral and neurologic aspects - Total learning environment for autistic children
- P01HD-05124-04 0003 Mental retardation-Behavioral and neurologic aspects - Behavioral techniques for studying neurological disease (mammals)
- ** P01HD-05124-04 0004 Mental retardation-Behavioral and neurologic aspects - Discrimination of sameness in a complex display
- ** P01HD-05124-04 0005 Mental retardation-Behavioral and neurologic aspects - Measurement of stimulus-control transfer
- ** R01HD-05752-03 Discrimination, generalization and effective stimuli (human)
- R01HD-06002-03 Age and the processing of successive visual stimuli
- R01HD-06753-03 Classical conditioning of heart rate in human infants
- R01HD-06864-02 Control processes in the memory of retarded children
- R01HD-07649-01 Behavioral effects of early malnutrition in monkeys
- R01HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- ** R01MH-01099-19 Learning and transfer processes (human)
- R01MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
- R01MH-02456-16 Comparative psychophysics and stimulus control (pigeons)
- ** R01MH-03372-15 0042 Neural mechanisms in behavior - Involvement of chick forebrain in appetitive discrimination learning
- R01MH-10249-07 Analysis of the two-factor theory of interference (human)
- R01MH-11857-08 A theory of hypothesis behavior in human learning
- R01MH-13581-06 Olfaction in behavioral functions of limbic system (rats)
- R01MH-15616-06 Language and cognition in infrahuman primates (chimpanzee, children)
- ** R01MH-16100-06 Feedback process in punishment and reward (human, monkeys)
- R01MH-16400-06 Conditioning and response organization (human)
- R01MH-17733-04 Retention in and retrieval from immediate memory
- ** R01MH-18246-04 A study of choice behavior (pigeons)
- ** R01MH-18342-05 Aversive properties of discriminative stimuli (pigeons)
- ** R01MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
- R01MH-19849-02 Learned control of EEG theta activity (human)
- R01MH-21288-03 Concept development
- ** R01MH-21895-02 Discrimination of event frequency-A power of memory
- R01MH-22081-02 Rehearsal and recognition in kinesthetic memory
- ** R01MH-22153-02 Information processing and attention (pigeons)
- P01MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
- P01MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)
- ** P01MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
- ** P01MH-23878-06 0022 Cognitive processes and mathematical psychology - Reward values and number concepts in children's discrimination learning
- P01MH-23878-06 0026 Cognitive processes and mathematical psychology - Response to compound stimuli
- P01MH-23878-06 0030 Cognitive processes and mathematical psychology - Short memory scanning
- ** R01MH-24115-01 Signaling and affective functions in conditioning (rats)
- ** R03MH-24997-01 Interactions among operant behaviors (pigeons)
- ** R03MH-25052-01 Effect of training methods on gradients of inhibition (pigeons)
- ** R03MH-25300-01 Investigation of the discriminability hypothesis (rats)
- ** R01MH-25360-01 Effects of early training on infant discrimination (human)
- R03MH-25395-01 Role of the pulvinar in visual discrimination (monkeys)
- R03MH-25913-01 The perception of correlations between cues
- R03MH-26213-01 Level of intent and moral intentional judgments (children)
- ** R01NS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
- ** R01NS-10507-02 Visual discrimination and receptive fields of neurons (tree shrews)
- R01NS-10577-02 0003 Normal and pathological human brain function - Perceptual laterality and visual recognition in Korsakoff's syndrome (human)
- R01NS-10577-02 0006 Normal and pathological human brain function - Focusing behavior during concept formation by amnesic Korsakoff patients
- ** R01NS-11138-02 0002 Chemical mechanism in corpus striatum and behavior - Conditional discrimination performance and dorsal head of striatum (rats)

- ** R01NS-11138-02 0003 Chemical mechanism in corpus striatum and behavior - Somatosensory discrimination learning and medial striatal mechanisms (rats)
- PSYCHOLOGY, LEARNING, EXPERIENCE**
- R01EY-01316-01 Organization of striate cortex (cats)
 - P01HD-01994-09 0002 Nature and acquisition of speech code and reading - Endowment and experience
 - P01HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
 - ** P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
 - P01HD-03008-07 0017 Cognition and motivation in the retarded - Evaluation of educational intervention programs
 - R01HD-03386-06 Experiential determinants of exploration in premature (human)
 - R01HD-04135-06 Developmental-integrative investigation (human)
 - P01HD-05027-05 0004 Developmental psychology - Piagetian studies of facial expression
 - P01HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
 - R01HD-06367-03 Psychosocial development
 - R01HD-06770-02 Development of a behavioral phenotype (quail)
 - R01HD-08016-01 Behavior genetic studies of adoptive and natural families
 - R01HD-08464-01 The development of aggressive behaviors (mice)
 - ** R01MH-03372-15 0043 Neural mechanisms in behavior - Additive properties of interrupted training experiences in chicks
 - R01MH-06671-11 The development of children's naturalistic concepts
 - R01MH-11321-08 Motivation and experience-Theory (human)
 - R01MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
 - R01MH-15707-07 Perception and behavior (routiles)
 - R01MH-16727-09 Ethological studies of behavior (laughing gulls, clappersails)
 - R01MH-16899-05 Development of behavior and genetics (mice)
 - R01MH-17312-05 Antecedents of competence
 - ** R01MH-17377-05 Early experience and development of behavior (rats)
 - R01MH-18136-04 Molecular approaches to behavior (rats)
 - ** R01MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams
 - R01MH-22644-02 Volunteer phone counselors-A study of altruists
 - R01MH-22840-02 Deviant development of infants of schizophrenics
 - R01MH-22995-02 Environment and experience-Children in home/day care
 - R01MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
 - P01MH-23878-06 0034 Cognitive processes and mathematical psychology - Development cerebral dominance, linguistic constructs, perception
 - R01MH-23903-02 Early patterns of cognitive development
 - R01MH-25279-01 Life change events, risk factors and chronic disease
 - R01MH-25280-01 Early life stress, risk factors and chronic disease
 - R03MH-25747-01 Biological control of placentalphagia (rats)
 - R01NS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
 - R01NS-11671-01 Does experience help lateral hypothalamic recovery (rats, cats)
- PSYCHOLOGY, LEARNING, EXPERIENCE, EARLY EXPERIENCE**
- SEE ALSO PSYCHOLOGY, LEARNING, IMPRINTING
- ** R01HD-03591-07 Experimental and innate factors in early development (humans)
 - R01HD-06862-02 Environmental effects on rat brain synapses
 - R01HD-07716-01 Stimulation, nutrition and development of competence (Columbia children)
 - R01HD-08063-01 Overcoming the adverse effects of prematurity
 - ** R01HD-08362-01 Environmental stimulation, hormones and CNS development (rats)
 - R01MH-04453-14 Early experience and behavior (birds, goats, deer, lemurs)
 - ** R01MH-11321-08 Motivation and experience-Theory (human)
 - ** R01MH-11894-09 0004 Comprehensive behavioral studies - Cortical lesions, early experience, and learning (Rhesus monkeys)
 - R01MH-15965-04 Infant attachment and maternal loss (monkeys)
 - R01MH-23533-01 Early experience, development, and adaptation (rats, mice)
 - R01MH-24283-01 Development of initiative (human)
 - R01MH-24824-01 The growth of peer social interaction in play groups

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- RO3MH-25065-01 Social preferences (hamsters)
- ** RO1MH-25280-01 Early life stress, risk factors and chronic disease
- RO1MH-25311-01 Gene-environment interactions and criminality
- ** RO3MH-25353-01 Maternal behavior and early experience (rats)

PSYCHOLOGY, LEARNING, GENERALIZATION, RESPONSE

- ** RO1DA-00877-01 Generalizability of behavioral assessment (human)
- PO1HD-00870-11 0003 Communication research with retarded children - Generalization of a social response
- ** PO1HD-00973-11 0066 Research program on retarded intellectual development - Intraindividual variability (human)
- RO1MH-01099-19 Learning and transfer processes (human)
- RO1MH-16400-06 Conditioning and response organization (human)
- ** RO1MH-18516-03 Treatment of childhood behavior problems
- RO1MH-19152-04 Cognitive control of pain
- RO1MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
- RO1MH-22424-02 The causes and consequences of credibility in TV news
- RO1MH-22881-02 Choice behavior (pigeons)
- RO1MH-23248-02 Mechanisms of generalized behavior change (human)
- RO1NS-11779-01 Hemisphere integration and specialization (cats)

PSYCHOLOGY, LEARNING, GENERALIZATION, STIMULUS

- PO1HD-00870-11 0004 Communication research with retarded children - Phonology
- RO1HD-00930-11 Acquisition of stimulus control (ducks, rats, pigeons)
- ** PO1HD-02528-08 0067 Research center in mental retardation - Instruction following behavior and its controlling stimuli
- PO1HD-02528-08 0076 Research center in mental retardation - Interpretation of auditory environment (human)
- RO1HD-03386-06 Experiential determinants of exploration in premature (human)
- ** RO1HD-05752-03 Discrimination, generalization and effective stimuli (human)
- RO1MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
- ** RO1MH-02456-16 Comparative psychophysics and stimulus control (pigeons)
- RO1MH-18246-04 A study of choice behavior (pigeons)
- RO1MH-18411-05 Cognitive effects on GSR conditioning and performance (human)
- RO1MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
- RO1MH-23248-02 Mechanisms of generalized behavior change (human)
- RO1MH-24016-01 An experimental approach to a form perception theory (human)
- RO3MH-24997-01 Interactions among operant behaviors (pigeons)
- RO3MH-25052-01 Effect of training methods on gradients of inhibition (pigeons)
- RO1MH-25360-01 Effects of early training on infant discrimination (human)

PSYCHOLOGY, LEARNING, HABITUATION

- SEE ALSO DRUGS ABUSE, HABITUATION
- ** RO1AA-00247-06 Alcohol disinhibition in the visual system (frogs)
- RO1AA-00280-03 Alcohol and aggression in a model system (fish)
- RO1DA-00105-03 Neuronal and social factors in the abuse of marijuana (rats)
- R25DA-00832-01 Drug abuse teacher training and prevention
- PO1HD-00973-11 0074 Research program on retarded intellectual development - Intrinsic motivation in infancy-Perceptual analysis
- PO1HD-02274-08 0036 Mental retardation and child development - Mother-child interaction
- PO1HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
- PO1HD-03352-07 0017 Wisconsin center on mental retardation - Infant development (human)
- ** RO1HD-03858-05 Development of habituation in human infants
- RO1HD-03911-12 Sensory discrimination and learning in human infants
- ** RO1HD-04343-04 Species-Meaningful studies of habituation (sparrows)
- PO1HD-04510-06 0010 Center for research in human development - Infant behavior laboratory (human)
- PO1HD-05027-05 0013 Developmental psychology - Development of attention
- PO1HD-05958-03 0006 Neurophysiology and neuropsychology in mental retardation - Human and animal vigilance

- PO1HD-06276-03 0088 Mental retardation research program - Child development unit (human)
- RO1HD-06278-04 Neuropsychological assessments of child development
- RO1HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
- RO1HD-07372-01 Perceptual-cognitive development in human infants
- PO1HD-08240-01 0001 Developmental processes in children at risk for MR - The orienting response and its habituation
- RO1MH-03831-15 Auditory electrophysiology and behavior (cats, human)
- RO1MH-07923-11 Neurobehavioral plasticity in a simple cortical system (rats, rabbits, hamsters)
- ** RO1MH-10734-09 Behavioral patterns in elementary nervous system
- RO1MH-10993-10 Fear modification and learned autonomic control (human)
- PO1MH-12970-08 0004 What makes man human-Trans or subcortical association - Psychological functions in expectancy (children, monkeys)
- ** RO1MH-14594-05 Neurobehavioral functions of the limbic systems (rats, monkeys)
- RO1MH-16478-06 Brain mechanisms and behavioral arousal (rats)
- RO1MH-17384-05 Physiological bases of social behavior (chickens)
- RO1MH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
- ** RO1MH-18611-04 Neural correlates of modifiable behavior (Aphasia)
- RO1MH-18856-04 Control of the subjective intensity of sensation (human)
- RO1MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
- ** RO1MH-19515-04 Substrates of elementary behavioral plasticity (rats)
- ** RO1MH-19691-04 Interrelations between chemical and behavioral plasticity (Aphasia, rats)
- RO1MH-19793-03 Central mechanisms controlling behavioral excitability (rats)
- ** RO1MH-19795-03 Learning mechanisms in abdominal ganglion of Aplysia
- RO1MH-23254-01 Neuronal substrates of choice and learning (gastropods)
- RO1MH-24070-01 Biofeedback and habituation rates in chronic anxiety
- RO1MH-24329-01 Anticholinergic drugs and emotional behavior (rats)
- RO3MH-25144-01 Brain mechanisms and memory (rats)
- RO1MH-25329-01 Neuropsychology of visual recognition and perception (cats, monkeys)
- RO1MH-25360-01 Effects of early training on infant discrimination (human)
- RO1MH-25585-01 Televised violence and tolerance of aggression
- ** RO1MH-25621-01 Forebrain lesions and affective behavior (cats, monkeys)
- ** RO1NS-05437-09 Response plasticity during increased synaptic use (cats)
- ** PO1NS-07512-06 0022 Neuronal development, interaction and organization - Plasticity of synaptic reorganization in relation to central neurons (cats)
- ** RO1NS-08108-07 Escape reflex-Physiology of habituation (crayfish)
- RO1NS-09404-04 Central control of sensory interneurons (insects, mollusks)
- ** RO1NS-09733-04 Biochemical characterization of habituation (protozoa)
- RO1NS-10236-03 0002 Functional skill remediation in brain damage - Remediation of untreated impairments (human)
- RO1NS-10336-03 Components controlling behavior (coelenterates, insects)
- RO1NS-10757-03 Behavioral and neural analysis of learning (Aphasia)
- RO1NS-11654-01 Central neural mechanisms of hearing (cats)

PSYCHOLOGY, LEARNING, IMPRINTING

- SEE ALSO PSYCHOLOGY, LEARNING, EXPERIENCE, EARLY EXPERIENCE
- ** RO1HD-00878-13 Sensory and perceptual determinants of imprinting (ducks)
- RO1HD-06770-02 Development of a behavioral phenotype (quail)
- ** RO1MH-00776-21 Experimental analysis of imprinting (aquatic birds)
- ** RO1MH-04453-14 Early experience and behavior (birds, goats, deer, lemurs)
- ** RO1MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
- RO3MH-24096-01 Analysis of data related to ethology (reptiles)
- ** RO3MH-24666-01 Critical period for imprinting (ducks)

PSYCHOLOGY, LEARNING, INCIDENTAL

- PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)

PSYCHOLOGY, LEARNING, MEDIATION

- SEE ALSO PSYCHOLOGY, LEARNING, VERBAL
- PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
- PO1HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts
- RO1HD-03742-06 Sex linked traits in Turners syndrome-Family study
- RO1HD-06864-02 Control processes in the memory of retarded children
- RO1HD-07075-01 0001 Reading, crossmodal transfer and stimulus control - Crossmodal transfer of stimulus equivalences (monkeys, pigeons)
- RO1HD-07075-01 0002 Reading, crossmodal transfer and stimulus control - Reading and crossmodal transfer of stimulus equivalences (children)
- RO1HD-07075-01 0003 Reading, crossmodal transfer and stimulus control - Mediated stimulus equivalence and generative language (children)
- ** RO1HD-07075-01 0005 Reading, crossmodal transfer and stimulus control - Behavioral evaluation of neurological mutants (rats, mice)
- PO1MH-05519-13 0023 Psychosomatic clinical research center - Effects of affective imagery on paired-associate learning of schizophrenics
- RO1MH-16400-06 Conditioning and response organization (human)
- ** RO1MH-21979-02 Verbal mediation in problem solving
- RO1MH-23939-02 Decoding information from memory
- RO1MH-26239-01 Human self regulation

PSYCHOLOGY, LEARNING, MEMORY

- SEE ALSO PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, MEMORY DISORDERS
- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, IMAGERY, EIDETIC
- ** R18AA-00181-03 Mood, memory and drinking in alcoholic patients
- RO1AA-00200-03 Neurobiological correlates of chronic alcohol consumption (mice, rats)
- RO1AA-00247-06 Alcohol disinhibition in the visual system (frogs)
- RO1AA-00280-03 Alcohol and aggression in a model system (fish)
- RO1AA-00291-03 Behavioral and biological correlates of alcoholism (human)
- ** RO1AA-00311-03 0010 Metabolic and psychological factors in alcoholism - State dependent phenomena in social interactions and related cognition
- RO1AA-00325-01 Ethanol effects and thiamine deficiency
- RO1DA-00355-02 Marijuana and behavior-Long-term interactions (rats, monkeys)
- RO1DE-03350-04 Predicting articulation from cinefluorographic measurement (human)
- RO1ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- RO1EY-00577-10 Visual behavior-Anatomical and functional basis (cats)
- RO1EY-00906-03 Integration in the visual system (Decapods)
- ** PO1EY-01319-01 0017 Visual science research center support - Visually presented information (human)
- PO1GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)
- PO1GM-16058-09 0012 Biosensor and subject monitoring system development - Automated system for primate instruction (ASPRIM)
- ** RO1HD-00926-13 Recognition and recall during acquisition and retention (human)
- ** PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
- PO1HD-00973-11 0070 Research program on retarded intellectual development - Pavio's depth of processing model applied to the retarded (adolescents)
- PO1HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
- PO1HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration-Detection of relationships (children)
- PO1HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts
- PO1HD-00973-11 0074 Research program on retarded intellectual development - Intrinsic motivation in infancy-Perceptual analysis
- PO1HD-01136-10 0003 Center for research in human learning - Perception (children)
- ** PO1HD-01136-10 0006 Center for research in human learning - Verbal learning and memory (children)
- PO1HD-01136-10 0008 Center for research in human learning - Instruction (children, adults)
- ** RO1HD-01725-08 Development of Mnemonic strategies (human)
- PO1HD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
- ** PO1HD-01799-09 0007 Mental retardation research center - Developmental neuropsychology (human)

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(contd)

- PO1HD-01994-09 0003 Nature and acquisition of speech code and reading - Perception of language by ear and eye
 RO1HD-02026-09 A developmental evaluation of logical operations (human)
 PO1HD-02274-08 0046 Mental retardation and child development - Studies of language and memory function in humans
 ** PO1HD-02528-08 0020 Research center in mental retardation - Cognitive capacities of the mentally retarded
 PO1HD-02528-08 0043 Research center in mental retardation - Experimental analysis of different instructional materials
 PO1HD-02528-08 0065 Research center in mental retardation - Use of non-speech responses to teach communication
 PO1HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
 RO1HD-03215-07 Conceptual development and language comprehension
 PO1HD-03352-07 0021 Wisconsin center on mental retardation - Orofacial region and speech development
 RO1HD-03778-06 The development of social motivation (dogs)
 RO1HD-03858-05 Development of habituation in human infants
 RO1HD-03869-06 Elaborative learning process in adolescence
 RO1HD-04320-06 Developmental studies in learning and attention (childron)
 PO1HD-04510-06 0007 Center for research in human development - Motor development and motor learning in the retarded
 PO1HD-04510-06 0013 Center for research in human development - Educational research-Basic
 RO1HD-04869-04 Higher level units in perception (human)
 ** PO1HD-05027-05 0002 Developmental psychology - Studying and memorization strategies
 PO1HD-05027-05 0017 Developmental psychology - Infant perception
 ** PO1HD-05124-04 0007 Mental retardation-Behavioral and neurologic aspects - Serial learning and recall in retardates
 RO1HD-05902-04 Aging in monkeys
 PO1HD-05951-03 0001 Cognition in the retarded child - Short and long-term memory
 PO1HD-05951-03 0002 Cognition in the retarded child - Learning and transfer
 ** RO1HD-06420-03 Cognitive processes in verbal learning tasks
 RO1HD-06429-02 Infant visual recognition memory
 RO1HD-06605-02 Developmental studies of selective attention
 RO1HD-06770-02 Development of a behavioral phenotype (quail)
 ** RO1HD-06841-02 Constructive processes in language comprehension
 RO1HD-06862-02 Environmental effects on rat brain synapses
 ** RO1HD-06864-02 Control processes in the memory of retarded children
 ** RO1HD-06885-02 Interaction between human aging and memory
 RO1HD-07037-02 Electrophysiology of eidetic imagery in children (human)
 RO1HD-07163-02 Visual-auditory equivalence in pattern perception (children, adults)
 ** RO1HD-07311-01 Memory-encoding operations in adults and children
 PO1HD-07329-02 0001 Input structure and retardate performance - Acquisition, storage and retrieval of clusterable and non-clusterable pictures
 PO1HD-07329-02 0003 Input structure and retardate performance - Recall and recognition of visual and auditory stimuli
 PO1HD-07329-02 0004 Input structure and retardate performance - Von Restorff effect in recall and recognition of visual and auditory stimuli
 PO1HD-07329-02 0005 Input structure and retardate performance - Recall and recognition of clustered and isolated visual and auditory stimuli
 PO1HD-07329-02 0015 Input structure and retardate performance - Concept utilization, strategy training and academic performance
 RO1HD-07372-01 Perceptual-cognitive development in human infants
 RO1HD-07614-01 Development of human visual information processing
 ** RO1HD-07772-01 Asymptotic recognizability and recognition memory
 ** RO1HD-07981-01 Psychophysiology of memory and aging (rats, mice)
 PO1HD-08240-01 0002 Developmental processes in children at risk for MR - Speech perception
 PO1HD-08240-01 0006 Developmental processes in children at risk for MR - Acquisition of information organizing strategies
 ** RO1HD-08459-01 The role of rehearsal in children's memory
 ** RO1HD-08980-01 Changes in semantic memory in maturity and old age
 RO1HL-14888-02 Behavioral deficits in post-cardiac surgery patients
 RO1MH-01099-19 Learning and transfer processes (human)
 ** RO1MH-01475-16 Brain mechanisms in learning and response modulation (rats)
 ** RO1MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
 ** RO1MH-03372-15 0041 Neural mechanisms in behavior - Effects of forebrain ablation in avoidance learning (chicks)
 ** RO1MH-03372-15 0043 Neural mechanisms in behavior - Additive properties of interrupted training experiences in chicks
 RO1MH-04151-14 0008 Psychology and physiology of sleep - Sleep and dreams in the aged (human)
 RO1MH-05162-12 Analysis of vicarious psychological processes (human)
 ** PO1MH-05519-13 0016 Psychosomatic clinical research center - Characteristics of schizophrenics in immediate recall of word-lists
 PO1MH-05519-13 0017 Psychosomatic clinical research center - Pleasure-deficit of schizophrenics
 ** PO1MH-05519-13 0018 Psychosomatic clinical research center - Effect of linguistic constraints on memorization of sentences by schizophrenics
 ** PO1MH-05519-13 0019 Psychosomatic clinical research center - Structure of word-storage in memory of schizophrenics
 ** PO1MH-05519-13 0020 Psychosomatic clinical research center - Recognition memory of schizophrenics
 ** PO1MH-05519-13 0021 Psychosomatic clinical research center - Perceptual memory for numerosness in schizophrenia
 ** PO1MH-05519-13 0022 Psychosomatic clinical research center - The serial position effect of free recall in schizophrenia
 PO1MH-05519-13 0023 Psychosomatic clinical research center - Effects of affective imagery on paired-associate learning of schizophrenics
 RO1MH-06211-12 Postoperative recovery mechanisms and retention (rats)
 ** RO1MH-07809-11 A quantitative analysis of judgment (human)
 RO1MH-07923-11 Neurobehavioral plasticity in a simple cortical system (rats, rabbits, hamsters)
 ** RO1MH-08423-10 Memory and interference in classical conditioning (cats)
 PO1MH-08618-10 0046 Biological studies of psychotic disorders - Effects of subclinical doses of mescaline (human)
 ** RO1MH-10249-07 Analysis of the two-factor theory of interference (human)
 ** RO1MH-10753-09 Antecedents of perceptual selectivity (children, adults)
 ** RO1MH-10972-09 Analysis of behavioral functions of cerebral areas (monkeys)
 ** PO1MH-11668-09 0093 Psychosocial factors in health and disease - Recording of exact dates in the unconscious
 RO1MH-11857-08 A theory of hypothesis behavior in human learning
 ** RO1MH-12006-07 Transfer and interference in learning and retention (human)
 ** RO1MH-12506-09 Chemical correlates of mamory (goldfish, rats, monkeys)
 ** RO1MH-12526-09 Drug effects on learning and memory (rats, mice)
 ** RO1MH-12717-08 Information processing and retrieval
 RO1MH-13581-06 Offraction in behavioral functions of limbic system (rats)
 ** RO1MH-13950-07 Effect of memory aids on learning and retention
 ** RO1MH-14229-08 Perception of structure (human)
 RO1MH-14314-06 Behavioral processes in conceptual rule learning
 RO1MH-15616-06 Language and cognition in infrahuman primates (chimpanzee, children)
 ** RO1MH-15655-07 Effects of sleep on memory (human)
 PO1MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 ** RO1MH-15828-06 0003 Research in human information processing - Influences on long term memory
 RO1MH-15828-06 0006 Research in human information processing - Visual imagery and motor functioning
 RO1MH-15828-06 0007 Research in human information processing - Learning and education
 ** RO1MH-15828-06 0008 Research in human information processing - The 'same' response as a template match
 ** RO1MH-15828-06 0009 Research in human information processing - Role of stimulus processing on recognition memory
 ** RO1MH-15872-07 Memory and decision factors in verbal learning (human)
 ** RO1MH-16100-06 Feedback process in punishment and reward (human, monkeys)
 ** RO1MH-16360-05 Words as sets of features-Coding phonological cues
 RO1MH-16384-05 Brain functions and behavior (rats, rabbits, mice)
 RO1MH-16817-05 Cognitive hierarchies
 RO1MH-16955-05 Neural conditioning and development (mice)
 ** RO1MH-17733-04 Retention in and retrieval from immediate memory
 ** RO1MH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
 PO1MH-18909-04 Pediatric psychopharmacology (human, rats)
 ** RO1MH-19006-04 Models of memory and time processes
 RO1MH-19223-05 Reasoning and cognition (children, adults)
 ** RO1MH-19399-04 Perceptual processing and memory of auditory stimuli (human)
 RO1MH-19420-04 Functions of temporal cortex in discrimination (monkeys, cats)
 ** RO1MH-19497-03 Memory processes and retention (rats, mice)
 ** RO1MH-19705-04 Organization and retrieval processes in human memory
 RO1MH-19849-02 Learned control of EEG theta activity (human)
 RO1MH-20021-04 Cognitive processes in comprehension and deduction (human)
 ** RO1MH-20059-02 Neural mechanisms of memory readout (cats)
 ** RO1MH-20495-03 Stimulus encoding in human learning and retention
 RO1MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
 ** RO1MH-20584-02 Mechanisms of directed forgetting
 RO1MH-20723-03 Human perceptual and short-term memory processing
 RO1MH-20785-03 Complex behavioral repertoires (primates, birds)
 ** RO1MH-21001-03 Pitch judgment after interpolated tones (human)
 ** RO1MH-21037-03 Savings and forgetting from long-term memory
 RO1MH-21105-03 Recognition of spatial and temporal visual patterns (human)
 RO1MH-21288-03 Concept development
 ** RO1MH-21632-01 Information processing analysis of human memory
 ** RO1MH-21747-02 Memory search and decision processes
 RO1MH-21795-02 Individual differences in cognition
 ** RO1MH-21895-02 Discrimination of event frequency-A power of memory
 RO1MH-21979-02 Verbal mediation in problem solving
 RO1MH-21989-03 Studies of psychological differentiation (human)
 RO1MH-22153-02 Information processing and attention (pigeons)
 ** RO1MH-22366-02 Memory for words in sentences
 RO1MH-22383-01 Perceptual recognition of real-world scenes
 RO1MH-23450-02 Preparatory training program for psychotherapy
 ** RO1MH-23505-03 The acquisition of linguistic structure (human)
 RO1MH-23767-01 Contour and context in visual pattern perception
 M PO1MH-23878-06 Cognitive processes and mathematical psychology
 PO1MH-23878-06 0004 Cognitive processes and mathematical psychology - Visual information processing (human)
 PO1MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
 ** PO1MH-23878-06 0015 Cognitive processes and mathematical psychology - Development of memory skills
 ** PO1MH-23878-06 0016 Cognitive processes and mathematical psychology - Retrieval process in free recall (human)
 ** PO1MH-23878-06 0017 Cognitive processes and mathematical psychology - Spatial representations of memory (human)
 ** PO1MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)
 PO1MH-23878-06 0023 Cognitive processes and mathematical psychology - Probability learning (human)
 PO1MH-23878-06 0025 Cognitive processes and mathematical psychology - Response factors in transfer
 ** PO1MH-23878-06 0026 Cognitive processes and mathematical psychology - Response to compound stimuli
 ** PO1MH-23878-06 0031 Cognitive processes and mathematical psychology - Criterion shifts in recall
 ** PO1MH-23878-06 0032 Cognitive processes and mathematical psychology - Semantic similarity
 PO1MH-23878-06 0035 Cognitive processes and mathematical psychology - Perceptual basis of reading
 RO1MH-23903-02 Early patterns of cognitive development
 ** RO1MH-23939-02 Decoding information from memory
 RO1MH-23957-02 Psycholinguistic investigations
 RO1MH-24016-01 An experimental approach to a form perception theory (human)
 RO3MH-24023-01 Drawing inferences from a passage of text
 RO1MH-24027-01 The speech mode and categorical perception
 ** RO1MH-24069-02 Cellular organization of memory (cats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RO1MH-24316-01 Processing and formation of natural categories (human)
 ** R03MH-24346-01 Retroactive facilitation of memory (goldfish)
 ** R03MH-24415-01 Developmental changes in long term retention (children)
 RO1MH-24433-01 Behavioral effects of brain injury (human, cats, monkeys)
 RO1MH-24492-01 Development of semantic and visual organization
 ** R03MH-24637-01 Search and decision processes in recognition memory (human)
 R03MH-24713-01 Arousal and individual differences in attention (human)
 ** R03MH-24912-01 Augmentation of REM sleep after learning (mice)
 ** R03MH-25004-01 Spatial and temporal properties of visual encoding
 RO1MH-25090-01 Visual and verbal coding of information
 RO1MH-25134-01 Memory processes (monkeys)
 ** R03MH-25144-01 Brain mechanisms and memory (rats)
 RO1MH-25218-01 Spatial reasoning in problem solving
 RO1MH-25229-01 Externality and children's problem solving strategies
 ** RO1MH-25344-01 Comparison of recognition and recall
 R03MH-25384-01 Hormonal influences on time-dependent memory processes (rats)
 ** R03MH-25543-01 Measuring some effects of self-awareness (human)
 RO1MH-25585-01 Televised violence and tolerance of aggression
 R03MH-25626-01 Delayed effects of aggressive stimulation (human)
 RO1MH-25643-01 Comparative studies on neural mechanisms (human, monkeys, pigeon)
 ** RO1MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
 ** R03MH-25760-01 Effect of retrieval on stored information (rats)
 ** R03MH-25894-01 Computer simulation model of free-recall
 ** R03MH-25924-01 Early child cognition-Visual versus verbal memory
 ** RO1MH-26069-01 Cognitive factors in learning by example
 ** RO1MH-26073-01 Elementary information processing (human)
 R03MH-26189-01 Organization and memory in children
 RO1NS-03606-13 Learning, perception and neural integration (monkeys)
 M PO1NS-06209-09 Boston University aphasia research center
 ** PO1NS-06209-09 0001 Boston University aphasia research center - Psychological research (human, monkeys)
 RO1NS-07457-08 Brain function and the metabolism of macromolecules (mice)
 P15NS-07790-07 Auditory dysfunction of the cochlea (human)
 ** RO1NS-09131-04 Molecular processes in memory storage (mice)
 ** RO1NS-09339-04 Chemistry of plastic changes in neurons (Aphasia)
 RO1NS-09471-02 Folic acid deficiency and brain development (mice, rats)
 ** RO1NS-09755-05 Information processing in the brain
 RO1NS-09811-04 The acquisition of sign language and its structure (human)
 ** RO1NS-10270-01 Molecular pharmacological correlates of behavior (fish)
 PO1NS-10468-03 0002 The perception of speech events - Articulation (children)
 ** RO1NS-10577-02 0002 Normal and pathological human brain function - Memory aid on hypothesis behavior and focusing in Huntington's chorea (human)
 RO1NS-10577-02 0003 Normal and pathological human brain function - Perceptual laterality and visual recognition in Korsakoff's syndrome (human)
 RO1NS-10577-02 0005 Normal and pathological human brain function - Dichotic ear-order effects with nonverbal stimuli (human)
 RO1NS-10577-02 0007 Normal and pathological human brain function - Tachistoscopic recognition of music symbols
 ** RO1NS-10577-02 0009 Normal and pathological human brain function - Short and long-term memory in brain disorders
 RO1NS-10601-02 Praxis-Role of intracortical pathways (monkeys)
 RO1NS-11153-01 Intensity perception (human)
 RO1NS-11199-01 Evoked and emitted potentials and time estimation (human)
 RO1NS-11216-01 Analysis of short-term memory in the deaf
 RO1NS-11325-01 Morphology and cytophysiology of synaptic transmission (cats)
 ** PO1NS-11631-01 0033 Clinical center for research on Parkinson's and allied diseases - Long term administration of L-Dopa (human)
 PO1NS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)

** MO1RR-00076-12 0100 General clinical research center - Memory for long term events in Korsakoff's disease (human)
PSYCHOLOGY, LEARNING, MEMORY, SHORT TERM
 ** PO1AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
 PO1AA-00212-06 0002 Oklahoma center for alcohol related studies - Effects of alcohol and sleep loss (human)
 RO1AA-00311-03 0015 Metabolic and psychological factors in alcoholism - Alcohol-induced transitory loss of long-term memory
 ** RO1DA-00879-01 Cannabis-human memory, timing, perception and aggression
 PO1HD-00870-11 0010 Communication research with retarded children - Storing and retrieving information
 ** PO1HD-00870-11 0011 Communication research with retarded children - Relationship between memory processes and language
 RO1HD-00926-13 Recognition and recall during acquisition and retention (human)
 ** PO1HD-00973-11 0066 Research program on retarded intellectual development - Intraindividual variability (human)
 ** PO1HD-00973-11 0067 Research program on retarded intellectual development - Register encoding (human)
 PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
 PO1HD-00973-11 0070 Research program on retarded intellectual development - Paivio's depth of processing model applied to the retarded (adolescents)
 PO1HD-00973-11 0074 Research program on retarded intellectual development - Intrinsic motivation in infancy-Perceptual analysis
 PO1HD-01136-10 0002 Center for research in human learning - Reaction time and information processing (human)
 RO1HD-02395-08 Development of the EEG in relation to behavior (human)
 PO1HD-02528-08 0020 Research center in mental retardation - Cognitive capacities of the mentally retarded
 PO1HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
 RO1HD-05902-04 Aging in monkeys
 PO1HD-05951-03 0001 Cognition in the retarded child - Short and long-term memory
 RO1HD-06429-02 Infant visual recognition memory
 RO1HD-06864-02 Control processes in the memory of retarded children
 RO1HD-06885-02 Interaction between human aging and memory
 RO1HD-07163-02 Visual-auditory equivalence in pattern perception (children, adults)
 ** RO1HD-07232-02 Developmental studies of short-term memory (human)
 RO1HD-07614-01 Development of human visual information processing
 ** RO1HD-07772-01 Asymptotic recognizability and recognition memory
 RO1HD-08459-01 The role of rehearsal in children's memory
 RO1MH-01099-19 Learning and transfer processes (human)
 R10MH-03030-15 Improved clinical screening of phenotropic drugs (human)
 ** RO1MH-03372-15 0032 Neural mechanisms in behavior - Short term memory following hemisphere deconnection (human)
 PO1MH-05519-13 0019 Psychosomatic clinical research center - Structure of word-storage in memory of schizophrenics
 ** PO1MH-05519-13 0020 Psychosomatic clinical research center - Recognition memory of schizophrenics
 PO1MH-05519-13 0022 Psychosomatic clinical research center - The serial position effect of free recall in schizophrenia
 RO1MH-07722-10 Research on information processing psychology (human)
 RO1MH-10753-09 Antecedents of perceptual selectivity (children, adults)
 RO1MH-12717-08 Information processing and retrieval
 PO1MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
 ** RO1MH-16496-06 Perception and short-term memory for verbal materials (human)
 ** RO1MH-17733-04 Retention in and retrieval from immediate memory
 RO1MH-19006-04 Models of memory and time processes
 RO1MH-19705-04 Organization and retrieval processes in human memory
 RO1MH-20495-03 Stimulus encoding in human learning and retention
 ** RO1MH-20723-03 Human perceptual and short-term memory processing
 ** RO1MH-21037-03 Savings and forgetting from long-term memory
 ** RO1MH-21747-02 Memory search and decision processes
 RO1MH-21795-02 Individual differences in cognition

** RO1MH-22009-02 Short-term visual memory
 ** RO1MH-22081-02 Rehearsal and recognition in kinesthetic memory
 ** PO1MH-23878-06 0001 Cognitive processes and mathematical psychology - Coding in short term memory
 PO1MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
 PO1MH-23878-06 0017 Cognitive processes and mathematical psychology - Spatial representations of memory (human)
 PO1MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)
 ** PO1MH-23878-06 0028 Cognitive processes and mathematical psychology - Model for coding and organization in memory
 ** PO1MH-23878-06 0029 Cognitive processes and mathematical psychology - Short term memory for consonant order
 ** PO1MH-23878-06 0030 Cognitive processes and mathematical psychology - Short memory scanning
 ** RO1MH-23879-02 Drugs and memory (rats, mice)
 ** RO1MH-23880-02 Behavioral effects of drugs in Macaca mulatta
 R03MH-23968-01 Limits of parallel independent processing in vision (human)
 RO1MH-24027-01 The speech mode and categorical perception
 R03MH-25004-01 Spatial and temporal properties of visual encoding
 RO1MH-25090-01 Visual and verbal coding of information
 RO1MH-25134-01 Memory processes (monkeys)
 R03MH-25144-01 Brain mechanisms and memory (rats)
 RO1MH-25344-01 Comparison of recognition and recall
 ** RO1MH-26069-01 Cognitive factors in learning by example
 ** R03MH-26168-01 Short-lived acoustic memory in children and adults
 ** PO1NS-04053-12 0013 Epilepsy - Physiological studies in the human
 ** RO1NS-10577-02 0009 Normal and pathological human brain function - Short and long-term memory in brain disorders
 ** RO1NS-11216-01 Analysis of short-term memory in the deaf
PSYCHOLOGY, LEARNING, OVERLEARNING
 PO1HD-05951-03 0003 Cognition in the retarded child - Vocational skill training
 RO1MH-21037-03 Savings and forgetting from long-term memory
 RO1MH-21288-03 Concept development
PSYCHOLOGY, LEARNING, REHEARSAL
 PO1HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
 ** PO1HD-08240-01 0005 Developmental processes in children at risk for MR - Rehearsal strategies and strategic transfer
 ** RO1HD-08459-01 The role of rehearsal in children's memory
 RO1MH-01099-19 Learning and transfer processes (human)
 RO1MH-21895-02 Discrimination of event frequency-A power of memory
 ** RO1MH-22081-02 Rehearsal and recognition in kinesthetic memory
 PO1MH-23878-06 0001 Cognitive processes and mathematical psychology - Coding in short term memory
 PO1MH-23878-06 0016 Cognitive processes and mathematical psychology - Retrieval process in free recall (human)
 PO1MH-23878-06 0028 Cognitive processes and mathematical psychology - Model for coding and organization in memory
 RO1MH-25134-01 Memory processes (monkeys)
PSYCHOLOGY, LEARNING, REINFORCEMENT
 SEE ALSO PSYCHOLOGY, CONDITIONING, REINFORCEMENT
 R25DA-00832-01 Drug abuse teacher training and prevention
 PO1HD-00870-11 0002 Communication research with retarded children - Auditory discriminations
 PO1HD-00870-11 0003 Communication research with retarded children - Generalization of a social response
 PO1HD-00870-11 0013 Communication research with retarded children - Direction following
 PO1HD-00973-11 0058 Research program on retarded intellectual development - Juvenile monkeys exposed to responsive and nonresponsive environments
 PO1HD-02528-08 0013 Research center in mental retardation - Laboratory analogues of behavior modification techniques (children)
 PO1HD-02528-08 0045 Research center in mental retardation - Teaching creativity in artistic skills
 ** PO1HD-03008-07 0004 Cognition and motivation in the retarded - Need for approval and conformity behavior
 PO1HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children
 ** PO1HD-03008-07 0008 Cognition and motivation in the retarded - Social reinforcer effectiveness in normal children (cont'd)

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PO1HD-03008-07 0021 Cognition and motivation in the retarded - Effects of need for social approval and mastery on task performance
 RO1HD-03234-06 Effects of moral inconsistency upon children
 RO1HD-03386-06 Experiential determinants of exploration in primates (human)
 RO1HD-03911-12 Sensory discrimination and learning in human infants
 RO1HD-04756-04 Infant auditory perception and learning (human)
 PO1HD-05027-05 0009 Developmental psychology - Social comparison processes
 PO1HD-05124-04 0002 Mental retardation-Behavioral and neurologic aspects - Total learning environment for autistic children
 PO1HD-05124-04 0003 Mental retardation-Behavioral and neurologic aspects - Behavioral techniques for studying neurological disease (mammals)
 ** PO1HD-05124-04 0008 Mental retardation-Behavioral and neurologic aspects - Stimulus control of social behavior
 RO1HD-05331-04 Developmental studies of speech perception
 RO1HD-05752-03 Discrimination, generalization and effective stimuli (human)
 PO1HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
 RO1HD-06770-02 Development of a behavioral phenotype (quail)
 RO1MH-02238-15 Childrens achievement development
 RO1MH-05162-12 Analysis of vicarious psychological processes (human)
 RO1MH-08909-11 Physiological regulation of body weight (rats)
 ** RO1MH-10249-07 Analysis of the two-factor theory of interference (human)
 RO1MH-11857-08 A theory of hypothesis behavior in human learning
 PO1MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
 RO1MH-15494-06 The matching law (rats, pigeons, human)
 RO1MH-15616-06 Language and cognition in infrahuman primates (chimpanzees, children)
 ** RO1MH-16100-06 Feedback process in punishment and reward (human, monkeys)
 RO1MH-18342-05 Aversive properties of discriminative stimuli (pigeons)
 RO1MH-20785-03 Complex behavioral repertoires (primates, birds)
 RO1MH-20922-04 Training parents in management of antisocial boys
 RO1MH-22720-02 Altruistic behavior in children
 RO1MH-22742-02 Group work in treatment of adults
 ** PO1MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
 RO1MH-23886-02 The development of prosocial behavior in children
 RO3MH-24614-01 Adult-child interaction and social valence
 ** RO3MH-25077-01 Concurrent performances in retarded children
 RO1MH-25134-01 Memory processes (monkeys)
 RO1MH-25360-01 Effects of early training on infant discrimination (human)
 RO1MH-26239-01 Human self regulation
 RO2MU-00426-03 Information disclosures in nurse practice settings

PSYCHOLOGY, LEARNING, REVERSAL

PO1HD-05124-04 0005 Mental retardation-Behavioral and neurologic aspects - Measurement of stimulus-control transfer
 RO1MH-08423-10 Memory and interference in classical conditioning (cats)
 RO1MH-21288-03 Concept development
 PO1MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)

PSYCHOLOGY, LEARNING, SEQUENTIAL

PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
 PO1HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
 ** RO1HD-04379-06 Sequential processes in instrumental learning (rats)
 ** PO1HD-05124-04 0007 Mental retardation-Behavioral and neurologic aspects - Serial learning and recall in retardates
 PO1HD-05951-03 0003 Cognition in the retarded child - Vocational skill training
 RO1HD-07232-02 Developmental studies of short-term memory (human)
 RO1MH-10249-07 Analysis of the two-factor theory of interference (human)
 RO1MH-13950-07 Effect of memory aids on learning and retention
 ** RO1MH-16817-05 Cognitive hierarchies
 RO1MH-20723-03 Human perceptual and short-term memory processing

RO1MH-21037-03 Savings and forgetting from long-term memory
 ** PO1MH-23878-06 0017 Cognitive processes and mathematical psychology - Spatial representations of memory (human)
 PO1MH-23878-06 0028 Cognitive processes and mathematical psychology - Model for coding and organization in memory
 ** PO1MH-23878-06 0029 Cognitive processes and mathematical psychology - Short term memory for consonant order
 RO1MH-25218-01 Spatial reasoning in problem solving

PSYCHOLOGY, LEARNING, TRANSFER

** RO1AA-00179-03 Alteration of alcoholics' behavior
 PO1HD-00870-11 0004 Communication research with retarded children - Phonology
 PO1HD-00870-11 0010 Communication research with retarded children - Storing and retrieving information
 PO1HD-01136-10 0009 Center for research in human learning - Motor skills and tool using
 ** PO1HD-03008-07 0012 Cognition and motivation in the retarded - The verbal mediation defect theory of mental retardation
 RO1HD-03386-06 Experiential determinants of exploration in primates (human)
 PO1HD-04147-06 0001 Research in mental retardation - Behavioral program (human)
 ** PO1HD-05124-04 0001 Mental retardation-Behavioral and neurologic aspects - Reading comprehension and crossmodal transfer
 ** PO1HD-05951-03 0002 Cognition in the retarded child - Learning and transfer
 RO1HD-06753-03 Classical conditioning of heart rate in human infants
 M RO1HD-07075-01 Reading, crossmodal transfer and stimulus control
 ** RO1HD-07075-01 0001 Reading, crossmodal transfer and stimulus control - Crossmodal transfer of stimulus equivalences (monkeys, pigeons)
 ** RO1HD-07075-01 0002 Reading, crossmodal transfer and stimulus control - Reading and crossmodal transfer of stimulus equivalences (children)
 ** RO1HD-07075-01 0003 Reading, crossmodal transfer and stimulus control - Mediated stimulus equivalence and generative language (children)
 ** RO1HD-07075-01 0005 Reading, crossmodal transfer and stimulus control - Behavioral evaluation of neurological mutants (rats, mice)
 ** RO1HD-07163-02 Visual-auditory equivalence in pattern perception (children, adults)
 PO1HD-08240-01 0005 Developmental processes in children at risk for MR - Rehearsal strategies and strategic transfer
 ** RO1MH-01099-19 Learning and transfer processes (human)
 RO1MH-12717-08 Information processing and retrieval
 RO1MH-14314-06 Behavioral processes in conceptual rule learning
 RO1MH-16100-06 Feedback process in punishment and reward (human, monkeys)
 RO1MH-19300-04 Generalization gradients and discrimination learning (rats, pigeons)
 RO1MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
 RO1MH-21979-02 Verbal mediation in problem solving
 RO1MH-22153-02 Information processing and attention (pigeons)
 PO1MH-23878-06 0015 Cognitive processes and mathematical psychology - Development of memory skills
 PO1MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
 ** PO1MH-23878-06 0025 Cognitive processes and mathematical psychology - Response factors in transfer
 PO1MH-23878-06 0026 Cognitive processes and mathematical psychology - Response to compound stimuli
 RO1MH-25134-01 Memory processes (monkeys)
 RO1MH-25360-01 Effects of early training on infant discrimination (human)
 RO1MH-26239-01 Human self regulation
 RO1NS-10575-01 Neuropsychological study of children with brain damage
 PO1NS-11601-01 Special clinical center for communications research (children)

PSYCHOLOGY, LEARNING, VERBAL

SEE ALSO PSYCHOLOGY, LEARNING, MEDIATION
 PO1HD-00668-16 0015 Aging and the aged - Age effect on multiple cognitive processes (human)
 PO1HD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
 ** RO1HD-00926-13 Recognition and recall during acquisition and retention (human)
 PO1HD-00973-11 0066 Research program on retarded intellectual development - Intraindividual variability (human)
 PO1HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration-Detection of relationships (children)

PO1HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts
 ** PO1HD-01136-10 0006 Center for research in human learning - Verbal learning and memory (children)
 ** RO1HD-02588-08 Stimulus factors in verbal learning of retardates (human)
 ** PO1HD-03008-07 0012 Cognition and motivation in the retarded - The verbal mediation defect theory of mental retardation
 RO1HD-03215-07 Conceptual development and language comprehension
 RO1HD-03742-06 Sex linked traits in Turners syndrome-Family study
 RO1HD-03869-06 Elaborative learning process in adolescence
 RO1HD-04320-06 Developmental studies in learning and attention (children)
 RO1HD-04869-04 Higher level units in perception (human)
 PO1HD-05124-04 0001 Mental retardation-Behavioral and neurologic aspects - Reading comprehension and crossmodal transfer
 PO1HD-05951-03 0001 Cognition in the retarded child - Short and long-term memory
 ** RO1HD-06420-03 Cognitive processes in verbal learning tasks
 RO1HD-07075-01 0002 Reading, crossmodal transfer and stimulus control - Reading and crossmodal transfer of stimulus equivalences (children)
 RO1HD-07075-01 0003 Reading, crossmodal transfer and stimulus control - Mediated stimulus equivalence and generative language (children)
 ** RO1HD-07360-01 The ontogenesis of the comprehension of WH-questions
 RO1HD-07772-01 Asymptotic recognizability and recognition memory
 RO1HD-08393-01 Patterning of cognitive skills in bilingual children
 RO1MH-01099-19 Learning and transfer processes (human)
 ** RO1MH-03372-15 0033 Neural mechanisms in behavior - Lateralization of concept-formation in human cerebral hemispheres
 RO1MH-07722-10 Research on information processing psychology (human)
 RO1MH-08423-10 Memory and interference in classical conditioning (cats)
 ** RO1MH-10249-07 Analysis of the two-factor theory of interference (human)
 RO1MH-11857-08 A theory of hypothesis behavior in human learning
 RO1MH-12717-08 Information processing and retrieval
 RO1MH-13950-07 Effect of memory aids on learning and retention
 RO1MH-15655-07 Effects of sleep on memory (human)
 ** RO1MH-15872-07 Memory and decision factors in verbal learning (human)
 RO1MH-17733-04 Retention in and retrieval from immediate memory
 ** RO1MH-19705-04 Organization and retrieval processes in human memory
 ** RO1MH-20723-03 Human perceptual and short-term memory processing
 RO1MH-21747-02 Memory search and decision processes
 RO1MH-21795-02 Individual differences in cognition
 RO1MH-21895-02 Discrimination of event frequency-A power of memory
 ** RO1MH-21979-02 Verbal mediation in problem solving
 RO1MH-22009-02 Short-term visual memory
 RO1MH-22366-02 Memory for words in sentences
 PO1MH-23878-06 0017 Cognitive processes and mathematical psychology - Spatial representations of memory (human)
 ** PO1MH-23878-06 0025 Cognitive processes and mathematical psychology - Response factors in transfer
 RO1MH-23886-02 The development of prosocial behavior in children
 RO1MH-25218-01 Spatial reasoning in problem solving
 RO1MH-25360-01 Effects of early training on infant discrimination (human)
 RO3MH-25771-01 Relationship between mythology and mental illness (Philippines)
 RO3MH-25876-01 Hypermesia-Induction and cognitive control
 RO1MH-26239-01 Human self regulation
 RO1MS-00616-20 Performance tests in cerebral disease (human)
 PO1NS-06209-09 0001 Boston University aphasia research center - Psychological research (human, monkeys)
 PO1NS-10468-03 0002 The perception of speech events - Articulation (children)
 ** PO1NS-10468-03 0003 The perception of speech events - Language (children)
 RO2MU-00510-01 Preparation and hospitalized children's adjustment

PSYCHOLOGY, LEARNING SET

** PO1AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- P01HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration-Detection of relationships (children)
- R01HD-05752-03 Discrimination, generalization and effective stimuli (human)
- R01MH-15828-06 0007 Research in human information processing - Learning and education
- ** P01MH-23878-06 0030 Cognitive processes and mathematical psychology - Short memory scanning
- R01MH-25218-01 Spatial reasoning in problem solving
- R01MH-26069-01 Cognitive factors in learning by example
- R01NS-10577-02 0009 Normal and pathological human brain function - Short and long-term memory in brain disorders

PSYCHOLOGY, MENTAL FATIGUE

- P01MH-13002-06 0024 Clinical and laboratory studies of affective disorder - Depressive symptoms during pregnancy and puerperium

PSYCHOLOGY, MENTAL PROCESSES (GENERAL)

- SEE ALSO PSYCHOLOGY, COGNITION
- ** P01AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
- R01AM-22211-03 Neurobehavioral and clinical responses to hemodialysis
- ** R01GM-16697-06 Genetics of human behavior and mental traits
- P01HD-00973-11 0068 Research program on retarded intellectual development - Use of processing stages (children)
- ** P01HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
- ** P01HD-00973-11 0070 Research program on retarded intellectual development - Paivio's depth of processing model applied to the retarded (adolescents)
- ** P01HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
- ** P01HD-00973-11 0072 Research program on retarded intellectual development - Semantic integration-Detection of relationships (children)
- ** P01HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts
- P01HD-02528-08 0020 Research center in mental retardation - Cognitive capacities of the mentally retarded
- P01HD-02528-08 0067 Research center in mental retardation - Instruction following behavior and its controlling stimuli
- P01HD-07329-02 0001 Input structure and retardate performance - Acquisition, storage and retrieval of clusterable and non-clusterable pictures
- P01HD-07329-02 0009 Input structure and retardate performance - Sequential space, rate and velocity extrapolation in retardates and normals
- ** P01HL-10539-09 0016 Pathophysiology of circulation - Physiologic observations of transcendental meditation (human)
- ** R01MH-03372-15 0034 Neural mechanisms in behavior - Systems ability and information processing in human brain hemispheres
- ** R01MH-03372-15 0039 Neural mechanisms in behavior - Lateral dominance and development of cerebral specialization (human)
- P01MH-13390-08 The study of language (human)
- ** R01MH-15828-06 0002 Research in human information processing - Mental processes for solving visual problems
- R01MH-23450-02 Preparatory training program for psychotherapy
- ** R01MH-24804-01 Respondent mentation and responses to life situations
- ** R01MH-25845-01 Sleep mentation and functional hemispheric asymmetry
- R01MH-26073-01 Elementary information processing (human)

PSYCHOLOGY, MOTIVATION

- SEE ALSO PSYCHOLOGY, BEHAVIOR, EXPLORATORY
- SEE ALSO PSYCHOLOGY, BEHAVIOR, GOAL-STRIVING
- SEE ALSO PSYCHOLOGY, PERFORMANCE
- R01AA-00261-04 Avoidance conditioning of alcoholics (human)
- R01AA-00331-01 Alcohol use among Orange County Chicano groups
- R18AA-00417-01 Employee assistance program
- R18AA-00599-01 Small city public inebriate program
- R18AA-00609-02 Alcoholism rehabilitation
- R01AA-00622-01 Patterns of alcohol use in rural communities
- R18AA-00744-02 Alcoholic incentive ladder program
- R18AA-00760-01 Stonewall-alcoholic rehabilitation
- R18AA-01237-02 Community alcoholism services poverty program
- R18AA-01440-01 Martin Luther King, Jr. alcoholism program
- R18AA-01767-01 Kentucky occupational alcoholism programs

- R18AA-01803-01 Indiana alcohol abuse prevention coordinator project
- ** P01AM-13084-10 0004 Clinical hemotransplantation of tissues and organs - Study of psychiatry (human)
- R01AM-15511-03 Hypothalamic control of body weight and feeding (rats, squirrel)
- R01AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)
- R01DA-00140-02 Psychosocial effects of chronic marijuana use (human)
- R25DA-00827-01 Pilot demonstration drug training program
- R25DA-00931-01 Drug abuse prevention program
- P01DA-01097-01 0005 Center for socio-cultural research on drug use - Anthropological studies
- R01EY-00927-03 Properties of the cortico-geniculate projection (monkeys)
- R01HD-00941-10 Determinants of amount of reinforcement (rats, guinea pigs, cats)
- ** P01HD-00973-11 0032 Research program on retarded intellectual development - Personality and motivation structure in the mentally retarded
- P01HD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts
- P01HD-00973-11 0074 Research program on retarded intellectual development - Intrinsic motivation in infancy-Perceptual analysis
- P01HD-00973-11 0076 Research program on retarded intellectual development - Parent-child interactions during 'play' and the personality of the mother
- P01HD-00973-11 0077 Research program on retarded intellectual development - Intrinsic motivation in the primary school-Stimulus properties
- P01HD-00973-11 0079 Research program on retarded intellectual development - Personality, motivation and reading achievement in retarded children
- P01HD-00973-11 0080 Research program on retarded intellectual development - Motivation and reinforcement systems in retarded children
- P01HD-00973-11 0081 Research program on retarded intellectual development - Play behavior in retarded children and effects stimulus complexity
- P01HD-00973-11 0082 Research program on retarded intellectual development - Personality and motivation correlates of play behavior in retarded children
- P01HD-01136-10 0011 Center for research in human learning - Reading (children)
- ** P01HD-03008-07 0004 Cognition and motivation in the retarded - Need for approval and conformity behavior
- ** P01HD-03008-07 0013 Cognition and motivation in the retarded - Motivational determinants of school behavior
- ** P01HD-03008-07 0018 Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners
- ** P01HD-03008-07 0020 Cognition and motivation in the retarded - Cognitive and motivational determinants of imitiveness
- ** P01HD-03008-07 0023 Cognition and motivation in the retarded - Components of effectance motivation in normal and retarded children
- ** P01HD-03008-07 0024 Cognition and motivation in the retarded - Assessment of curiosity motivation
- ** P01HD-03008-07 0025 Cognition and motivation in the retarded - Relationship between curiosity motivation and learning
- P01HD-03008-07 0026 Cognition and motivation in the retarded - Curiosity in the classroom and measurement of attitudes towards school
- R01HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
- P01HD-03352-07 0036 Wisconsin center on mental retardation - Educational development of handicapped children and youth
- R01HD-03386-06 Experimental determinants of exploration in premature (human)
- ** R01HD-03778-06 The development of social motivation (dogs)
- P01HD-04510-06 0001 Center for research in human development - Institute on mental retardation and intellectual development
- P01HD-04510-06 0002 Center for research in human development - Demonstration and research center for early education
- ** P01HD-04510-06 0006 Center for research in human development - Research alliance with HWCR institute in Jerusalem (human)
- R01HD-04863-05 Social development after malnutrition in infancy (monkeys)
- R01HD-05354-04 Four preschool programs-Dimension and effects-II
- R01HD-05852-03 Migration of negroes to the south
- R01HD-05853-03 (human)
- ** R01HD-06084-02 Role definitions and potential for change (human)
- R01HD-06278-04 Neuropsychological assessments of child development
- R01HD-06971-02 Observed paternal behavior with preschool children

- ** R01HD-07024-02 Prediction of family-planning intentions and behavior
- R01HD-07363-01 Critical factors in family planning participation (clinic attendants)
- ** R01HD-07412-02 Fertility motivation and career conflict in women
- R01HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
- R01HD-07881-01 Rural-urban migration and adaptation in Korea
- R01HD-07957-01 Fertility and achievement of women college graduates
- R01HD-08074-01 Prediction of failures in contraceptive planning
- ** R01HD-08276-01 The value of children in the US
- R01HD-08287-01 The value of children in the USA
- NO1HD-12038-04 Attitudinal factors affecting family size
- NO1HD-22701-03 The employed woman-family planning career
- P01HL-06349-13 0013 Cardiovascular disease clinical program project - Rehabilitation of the hypertensive patient
- P01HL-08195-12 0017 Circulatory physiology - Concentration of acetone in alveolar gas (human)
- P01HL-13108-05 0007 Clinical heart transplantation - Psychological and social evaluation (human)
- P17HL-14174-04 0006 Atherosclerosis behavioral and epidemiological studies - Behavioral component (human)
- P17HL-14187-04 0004 Center for lung research - Rehabilitation parameters in chronic pulmonary disease (human)
- P17HL-14207-04 0005 Early detection and prevention of arteriosclerosis - Dietary intervention therapy in children with serum lipoprotein abnormalities
- ** P18HL-15997-02 0006 A comprehensive hospital-community sickle cell center - School laboratory program
- R25HL-17056-01 Improving patient compliance through nursing action
- P01HS-00013-08 Explorations in health services
- ** P16HS-00472-06 0022 Health services research center - Incentive reimbursement experiment
- ** P16HS-00472-06 0041 Health services research center - Teaching case report series on incentives
- ** P16HS-00472-06 0042 Health services research center - Description of some incentive reimbursement plan
- ** P16HS-00472-06 0045 Health services research center - Evaluation of HIP's incentive reimbursement experiment
- R01HS-01329-01 Economic determinants of ambulatory care use
- R01HS-01332-02 Stability of physician staff in large organization
- ** R01HS-01440-01 Blood donor motivation and recruitment
- NO1MB-34038-07 Rural health care system for New Mexico
- ** NO1MG-44223-00 Allied health professions motivation and education
- R01MH-01206-18 Behavior without awareness (human)
- R01MH-01293-18 Measurement of drive and conflict (human)
- R01MH-01475-16 Brain mechanisms in learning and response modulation (rats)
- R01MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
- ** R01MH-02238-15 Childrens achievement development
- R01MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
- ** R01MH-06580-12 Some parameters of decision-making
- R01MH-06686-12 Correlation of EEG and behavior (cats, rabbits)
- R01MH-08366-11 Neural control of avian feeding behavior (pigeons)
- ** R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
- ** R01MH-08909-11 Physiological regulation of body weight (rats)
- R01MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
- ** R01MH-10316-11 The free behavior situation (rats)
- ** R01MH-11321-08 Motivation and experience-Theory (human)
- P01MH-11668-09 0016 Psychosocial factors in health and disease - Elective abortions
- P01MH-11668-09 0080 Psychosocial factors in health and disease - Drug usage in pregnant teenagers
- ** P01MH-11668-09 0082 Psychosocial factors in health and disease - Determinants of conception in women with 2 or more living children
- M P01MH-12970-08 What makes man human-Trans-subcortical association
- P01MH-13002-06 0031 Clinical and laboratory studies of affective disorder - Attempted suicide-Treatment and outcome
- ** R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
- R01MH-13558-08 Pavlovian conditioning and avoidance behavior (dogs)
- R01MH-14594-05 Neurobehavioral functions of the limbic systems (rats, monkeys)
- R01MH-15008-06 Treatment deployment for chronic psychotics
- R01MH-15455-06 Viscero-endocrine responses to amygdala activity (monkeys)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

R01MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
 R01MH-15494-06 The matching law (rats, pigeons, human)
 R01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 R01MH-15828-06 0001 Research in human information processing - Judgement in children
 ** R01MH-15828-06 0005 Research in human information processing - Cognitive psychology and analytic philosophy
 R01MH-16080-06 Ego development and the provenance of thought
 R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
 R01MH-16728-05 Cognitive development and cognitive socialization
 R01MH-17405-05 Determinants of aggressive behavior (human)
 R01MH-17946-04 Cross vaccination of predictive sentencing models (human)
 R01MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
 ** R01MH-19506-03 0003 Hormones, the brain and primate behavior - Redirection of aggression
 R01MH-19915-03 The development of a picture test of values (human)
 R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
 ** R01MH-20696-02 Self-destruction among prison inmates
 R01MH-20743-03 The child's creative learning space
 ** R01MH-20811-03 Affective consequences of brain stimulation (rats)
 R01MH-21035-03 Clinical prediction and treatment of episodic violence
 R01MH-21275-02 Pathologic and adaptive response to human sleep loss
 ** R01MH-21312-03 0016 Endocrinological determinants of behavior - Quantitative parameters of male sexual response (rhesus monkeys)
 ** R01MH-21312-03 0021 Endocrinological determinants of behavior - Endocrine influences on motivational systems in the female (monkeys)
 R01MH-21577-02 Behavior control of drug-induced aggression (rats)
 ** R01MH-22127-02 Personal causation and development of responsibility
 R01MH-22682-03 Demonstration-Mental Health Program-Jr High Schools
 R01MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
 R01MH-23125-02 Supportive resources for black adolescent aspiration
 ** R01MH-23446-01 Drive and reward in instrumental learning (rats)
 R01MH-23450-02 Preparatory training program for psychotherapy
 R01MH-23607-02 Experimental masochism and allied phenomena (rats)
 R01MH-23676-02 Employee participation in ownership and management (Peru)
 R01MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)
 R01MH-23880-02 Behavioral effects of drugs in Macaca mulatta
 R03MH-23978-01 Effect of perinatal nutrition on aversion threshold (rats)
 R01MH-24114-01 Chemistry of reward and related behaviors
 ** R01MH-24134-02 Effects of extrinsic rewards on intrinsic motivation
 ** R01MH-24283-01 Development of initiative (human)
 ** R01MH-24804-01 Respondent mentation and responses to life situations
 ** R01MH-25140-01 Homeostatic origins of motivation (rats)
 R03MH-25284-01 Blockade of hypothalamic behavior with midbrain lesions (rats, mice)
 R01MH-25344-01 Comparison of recognition and recall
 R01MH-25525-01 Investment of self in an urban group
 R01MH-25553-01 Pre college social development program
 R03MH-25660-01 Hypothalamic control of sensorimotor functions (rats)
 ** R03MH-25736-01 Actor-observer differences in attributions of causality
 R03MH-26087-01 Effects of random assignment to control treatment
 R01MH-26239-01 Human self regulation
 ** R01NS-10150-03 Neural systems of ingestive behavior (rats)
 R01NS-10405-03 Neural coding of taste-quality information (rats)
 R01NS-10757-03 Behavioral and neural analysis of learning (Aplysia)
 R01NS-11012-01 Neural mechanisms of a model drive system (rats)
 ** R01NS-11138-02 0005 Chemical mechanism in corpus striatum and behavior - Functional role of nigrostriatal dopamine (rats)

PSYCHOLOGY, MOTIVATION, INSTINCT
 SEE ALSO ENVIRONMENT, ORIENTATION, HOMING

SEE ALSO NUTRIENT INTAKE ACTIVITY, HUNGER
 SEE ALSO NUTRIENT INTAKE ACTIVITY, THIRST
 SEE ALSO PSYCHOLOGY, BEHAVIOR, SEX
 R01MH-04000-14 Determinants of species-specific behavior (dogs, rodents, quail)
 R01MH-04453-14 Early experience and behavior (birds, goats, deer, lemur)
 ** R01MH-04920-12 Circadian patterns of normal and pathological functions (rats)
 R01MH-15707-07 Perception and behavior (reptiles)
 R01MH-16345-06 Ecology and evolution of altruism (jays)
 R01MH-16727-09 Ethological studies of behavior (laughing gulls, clappersails)
 R01NS-07687-07 Hunger, thirst and water metabolism (rabbits)
 R01NS-08708-06 Experimental analysis of orientation (pigeons)

PSYCHOLOGY, MOTIVATION, INTERESTS

R01MH-21912-03 TV, a therapeutic tool for the institutionalized aged
 R01MH-21929-02 Volunteerism in the lives of women
 R01MH-24134-02 Effects of extrinsic rewards on intrinsic motivation

PSYCHOLOGY, MOTIVATION, REWARDS AND NON-REWARDS

R01AA-00261-04 Avoidance conditioning of alcoholics (human)
 R01AA-00291-03 Behavioral and biological correlates of alcoholism (human)
 R01DA-00113-03 Contingency contracting for treatment for drug abuse
 R01DA-00355-02 Marijuana and behavior-Long-term interactions (rats, monkeys)
 R01HD-00973-11 0071 Research program on retarded intellectual development - Pupillary response as an index of cognitive processing in the retarded (children)
 R01HD-00973-11 0080 Research program on retarded intellectual development - Motivation and reinforcement systems in retarded children
 ** R01HD-02274-08 0122 Mental retardation and child development - Shaping social behavior using electrical brain stimulation as a reward (monkeys)
 R01HD-02528-08 0045 Research center in mental retardation - Teaching creativity in artistic skills
 R01HD-03008-07 0004 Cognition and motivation in the retarded - Need for approval and conformity behavior
 R01HD-03008-07 0025 Cognition and motivation in the retarded - Relationship between curiosity motivation and learning
 ** R01HD-04379-06 Sequential processes in instrumental learning (rats)
 ** R01HD-05027-05 0009 Developmental psychology - Social comparison processes
 R01HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
 R01HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
 ** R01HD-07323-01 Motivation, roles and family planning of women
 R01HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 R01MH-01951-17 Chemical stimulation of local brain areas (monkeys, rats)
 R01MH-06830-13 Delay of gratification in choice situations (children)
 R01MH-08493-11 Neural reinforcement of motivated behavior (rats)
 ** R01MH-08909-11 Physiological regulation of body weight (rats)
 ** R01MH-10130-10 Behavioral effect of local chemical brain stimulation (rats)
 R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
 R01MH-15494-06 The matching law (rats, pigeons, human)
 R01MH-16100-06 Feedback process in punishment and reward (human, monkeys)
 R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
 R01MH-16978-06 Brain studies of purposive behavior (rats)
 ** R01MH-19384-04 Self-concept and self-administered verbal rewards in children
 R01MH-20752-03 Factors influencing choice behavior (pigeons)
 R01MH-20922-04 Training parents in management of antisocial boys
 R01MH-22720-02 Altruistic behavior in children
 R01MH-22883-02 Role of autotelic experiences in adult development
 ** R01MH-23446-01 Drive and reward in instrumental learning (rats)
 R01MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
 R01MH-23878-06 0018 Cognitive processes and mathematical psychology - Memory in nonhuman primates (and children)

R01MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
 ** R01MH-23878-06 0022 Cognitive processes and mathematical psychology - Reward values and number concepts in children's discrimination learning
 ** R01MH-24114-01 Chemistry of reward and related behaviors
 ** R01MH-24115-01 Signaling and affective functions in conditioning (rats)
 ** R01MH-24134-02 Effects of extrinsic rewards on intrinsic motivation
 ** R03MH-24550-01 Sex differences in reward distribution behavior
 R03MH-25062-01 Tracking of preference for cooperation in human dyads
 ** R03MH-25143-01 The impact of cooption of coalitional action
 R03MH-25300-01 Investigation of the discriminability hypothesis (rats)
 R01MH-25536-01 Attributions of social power
 R03MH-25641-01 Children's conceptual tempo-Accuracy and speed
 R03MH-25825-01 Exposure, attraction, and affiliation (human)
 R01MH-26239-01 Human self regulation

PSYCHOLOGY, PARAPSYCHOLOGY

R01AM-01804-02 The medical enlightenment, 1695-1750
 ** R01MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams

PSYCHOLOGY, PERFORMANCE

SEE ALSO HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
 SEE ALSO OCCUPATIONS, JOB PERFORMANCE
 R12AA-00209-07 0008 Washington University Alcoholism Research Center - Effects of chronic alcohol intake on the brain during development (rats)
 R01AA-00212-06 0002 Oklahoma center for alcohol related studies - Effects of alcohol and sleep loss (human)
 R01AA-00290-03 Emotional and pharmacological influences on craving (human)
 R01AA-00311-03 0008 Metabolic and psychological factors in alcoholism - Sleep and cognition in alcohol drinking and withdrawal-Desage (human)
 R01AM-22211-03 Neurobehavioral and clinical responses to medication
 P02CA-12247-03 0030 Pediatric oncology center - Social services
 ** R01DA-00033-06 Effects of marijuana on perception and cognition (human)
 ** P01DA-00266-03 0005 Johns Hopkins drug abuse research center - Behavioral pharmacology of narcotics antagonists (primates)
 ** R01DA-004165-00 Acute effects of cocaine on complex human performance
 P01GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
 P01GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)
 P01HD-00668-16 0013 Aging and the aged - Psychophysiological correlates of decreased attention (human)
 P01HD-00973-11 0068 Research program on retarded intellectual development - Use of processing stages (children)
 P01HD-00973-11 0080 Research program on retarded intellectual development - Motivation and reinforcement systems in retarded children
 P01HD-02528-08 0047 Research center in mental retardation - Special classroom
 P01HD-03008-07 0004 Cognition and motivation in the retarded - Need for approval and conformity behavior
 P01HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children
 P01HD-03008-07 0008 Cognition and motivation in the retarded - Social reinforcer effectiveness in normal children
 ** P01HD-03008-07 0021 Cognition and motivation in the retarded - Effects of need for social approval and mastery on task performance
 R01HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
 ** R01HD-04524-06 Psychophysiological aspects of aging (human)
 R01HD-05752-03 Discrimination, generalization and effective stimuli (human)
 R01HD-06457-02 Imposed and induced learning activities of children
 R01HD-06605-02 Developmental studies of selective attention
 R01HD-06864-02 Control processes in the memory of retarded children
 P01HD-07329-02 0006 Input structure and retardate performance - Tracking enumerative, response contingent and sequential information processing
 R01HD-07755-01 Learning and psychophysiological studies in the aged
 ** R01HD-07932-01 Mental performance and aging (contd)

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P18HL-15169-03 0013 Comprehensive sickle cell disease center 2 Intelligence and mental capacity of patients with sickle cell disease
 P18HL-16008-02 0009 Wayne State University comprehensive sickle cell center - Natural history of sickle cell anemia
 P01HS-00624-04 Program of research in interviewing methods
 ** R01MH-02238-15 Children's achievement development
 ** R01MH-04151-14 0010 Psychology and physiology of sleep - Effects of sleep deprivation and amphetamine on performance (rats)
 ** R01MH-05286-12 0007 Psychophysiology of perception - Topography of the contingent negative variation during timed human performance
 R01MH-07722-10 Research on information processing psychology (human)
 R01MH-08853-10 Instrumental properties of human autonomic functions
 ** P01MH-10006-10 0005 Research center for quantitative psychology - Behavioral statistics
 ** R01MH-11894-09 0003 Comprehensive behavioral studies - Cortical facilitative agents and learning test performance (Rhesus monkeys)
 ** P01MH-13002-06 0001 Clinical and laboratory studies of affective disorder - Social effectiveness
 R01MH-19585-02 Human aging data file and psychological analysis
 R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
 R01MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
 R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
 R01MH-20660-03 Physical distance and social interactions (human)
 R01MH-20785-03 Complex behavioral repertoires (primates, birds)
 R01MH-21275-02 Pathologic and adaptive response to human sleep loss
 R01MH-21795-02 Individual differences in cognition
 ** R01MH-23542-02 Structural origins of sex differences in achievement (England)
 R01MH-23563-01 Multiple-cue probability learning and judgement
 R01MH-24134-02 Effects of extrinsic rewards on intrinsic motivation
 R03MH-24556-01 Construct validation of fear of success in females
 R03MH-25337-01 Neonatal brain damage and vision (cats)
 ** R03MH-25396-01 Validity of expectation (children)
 ** R03MH-25641-01 Children's conceptual tempo-Accuracy and speed
 R01MH-25935-01 Social competence and behavior style in mental patients
 P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia
 R03MH-26189-01 Organization and memory in children
 ** P01NS-02808-13 0018 Special clinical research project in neurophysiology - Transient paroxysmal events during an abacus arithmetic task (human)
 P01NS-02808-13 0027 Special clinical research project in neurophysiology - Evoked potentials from relevant stimuli in relation to epileptic foci (human)
 R01NS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
 R01NS-10577-02 0002 Normal and pathological human brain function - Memory aid on hypothesis behavior and focusing in Huntington's chorea (human)
 ** R02NI-00485-01 Nurses' physiological rhythms and mental efficiency
 R01OH-00327-06 Carbon monoxide and human information processing
 M01RR-00035-14 0060 General clinical research centers - Cortical excisions (human)

PSYCHOLOGY, PERFORMANCE, ACADEMIC ACHIEVEMENT

SEE ALSO EDUCATION, STUDENT DROP-OUTS
 SEE ALSO EDUCATION, TRAINING LEVEL
 ** R01DA-00065-04 Drugs and personality (children)
 ** R01DA-00137-03 Drug use related to college and career achievement
 P01DA-01097-01 0003 Center for socio-cultural research on drug use - Contextual influence on drug use
 P01DA-01097-01 0013 Center for socio-cultural research on drug use - Follow up studies of high school students
 P10ES-00260-12 0021 Research in the environmental health sciences - Longitudinal study of lead poisoning in children
 ** P01HD-02274-08 0033 Mental retardation and child development - Experimental education unit
 ** P01HD-02528-08 0041 Research center in mental retardation - Recording and sequencing of preacademic skills
 P01HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
 P01HD-03110-07 0022 Child development and mental retardation - Family research program

P01HD-03110-07 0041 Child development and mental retardation - Use of dramatic play in occupational education in primary grades
 ** P01HD-03144-07 0013 Development of culturally deprived children - Maintaining school performance through continuing community center activities
 P01HD-03144-07 0016 Development of culturally deprived children - Develop and refine achievement place model
 P01HD-03144-07 0019 Development of culturally deprived children - Investigate effects of intensive classroom management procedures
 ** P01HD-03144-07 0021 Development of culturally deprived children - Development of parent and peer home tutor program procedures
 ** P01HD-03352-07 0030 Wisconsin center on mental retardation - Family process and school achievement
 P01HD-03352-07 0036 Wisconsin center on mental retardation - Educational development of handicapped children and youth
 ** P01HD-04510-06 0006 Center for research in human development - Research alliance with HWCR institute in Jerusalem (human)
 R01HD-05354-04 Four preschool programs-Dimension and effects-II
 P01HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
 P01HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesis
 R01HD-06669-02 Genetic and environmental bases of human cognition
 R01HD-06903-01 Parent training on learning and cognition of deaf children
 R01HD-07200-01 Heritability and mental development
 ** P01HD-07329-02 0015 Input structure and retardate performance - Concept utilization, strategy training and academic performance
 R01HD-07334-01 Fertility, productivity and labor force participation (women in academia)
 R01HD-07412-02 Fertility motivation and career conflict in women
 R01HD-07957-01 Fertility and achievement of women college graduates
 ** R01HD-08952-01 Locus of control, aspiration and competence in children
 R01HD-08966-01 0006 Early diagnostic studies of aberrant development - Behavior studies-Neonatal evaluation and follow-up (human)
 P18HL-15158-03 0010 Comprehensive sickle cell disease center - Tutorial service for sickle cell anemia patients
 P18HL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)
 ** P18HL-15996-02 0004 Cincinnati sickle cell anemia center - School adjustment of thirty sickle cell patients
 P16HS-00472-06 0032 Health services research center - Child health demonstration-Framingham (human)
 R01MH-02238-15 Children's achievement development
 R01MH-06275-12 Social and psychological factors in status attainment (human)
 P01MH-10006-10 0002 Research center for quantitative psychology - Simulation of concept learning and problem solving
 R01MH-12888-08 Children with learning disabilities-A follow-up
 P01MH-13002-06 0001 Clinical and laboratory studies of affective disorder - Social effectiveness
 ** P01MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
 R01MH-15985-06 Intervention in low base rate asocial behaviors of boys
 R01MH-16852-06 Evaluation of project catch-up (human)
 R01MH-18135-04 Self-image and family dynamics in transplantation (human)
 R01MH-18332-05 Temporal organization in behavior and development (human)
 R01MH-18579-04 Comparative drug effects in hyperkinetic children
 R01MH-18864-04 Epidemiology of achievement and psychiatric status
 R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
 R01MH-19384-04 Self-concept and self-administered verbal rewards in children
 R01MH-19880-02 Behavioral analysis in a community mental health center
 R01MH-20030-04 Achievement place-Phase III (human)
 ** R01MH-21119-02 College success-Task structure and strategy
 R01MH-21145-02 Adjustment of children of schizophrenic parents
 R01MH-21813-03 Behavior therapy-Professional and paraprofessional
 R01MH-21853-03 Rehabilitation program for delinquent Indian youth
 R01MH-22212-01 Adolescent and adult outcomes and child behavior
 R01MH-22358-02 Bridge program-Year-round psycho-educational program

R01MH-22370-02 School intervention program
 R01MH-22590-02 Impact of instruction and counseling of youth
 ** R01MH-22682-03 Demonstration-Mental Health Program-Jr High Schools
 P01MH-22836-02 Children and families vulnerable to mental disorders
 R01MH-22923-03 Correlates of success in experimental college
 ** R01MH-23125-02 Supportive resources for black adolescent aspiration
 ** R01MH-23469-01 Changing competence expectations of (United States, Israel)
 ** R01MH-23612-02 Prediction of advanced academic performance
 R03MH-23657-01 Visual-auditory factors in early reading ability
 R01MH-23786-01 Changing urban family roles
 R01MH-23903-02 Early patterns of cognitive development
 R03MH-24725-01 A model relating attitudes and behavior
 ** R01MH-24859-01 Program factors and student outcomes in success schools
 R01MH-24894-01 Mutual aid systems approach to school mental health
 ** R01MH-25177-01 Reduce aspiration conflict among minority youth
 R01MH-25553-01 Pre college social development program
 ** R01MH-25587-01 Social class and parents' aspiration
 R01MH-25935-01 Social competence and behavior style in mental patients
 R01NS-09135-05 Studies in distractibility (children)

PSYCHOLOGY, PERFORMANCE, CREATIVITY-ORIGINALITY

P01HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
 R01MH-20743-03 The child's creative learning space
 R01MH-22883-02 Role of autotelic experiences in adult development

PSYCHOLOGY, PERFORMANCE, INTELLIGENCE

SEE ALSO CHILDREN, GIFTED CHILDREN
 SEE ALSO MENTAL RETARDATION
 SEE ALSO PSYCHOLOGICAL TESTS, INTELLIGENCE TESTS*
 R12AA-00209-07 0006 Washington University Alcoholism Research Center - Psychological and physiochemical correlates of alcoholic blackouts
 R01DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)
 P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
 P01HD-00668-16 0015 Aging and the aged - Age effect on multiple cognitive processes (human)
 P01HD-00973-11 0068 Research program on retarded intellectual development - Use of processing stages (children)
 P01HD-01799-09 0043 Mental retardation research center - Severe malnutrition in infancy and late intellectual and behavioral development
 P01HD-01994-09 0002 Nature and acquisition of speech code and reading - Endowment and experience
 R01HD-02581-14 Effects of malnutrition in early life (rats, swine)
 P01HD-03617-06 Intergenerational studies of development and aging (human)
 R01HD-03742-06 Sex linked traits in Turners syndrome-Family study
 R01HD-03869-06 Elaborative learning process in adolescence
 P01HD-05027-05 0004 Developmental psychology - Piagetian studies of facial expression
 ** R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 R01HD-06669-02 Genetic and environmental bases of human cognition
 ** R01HD-06971-02 Observed paternal behavior with preschool children
 R01HD-07200-01 Heritability and mental development
 R01HD-07311-01 Memory-encoding operations in adults and children
 R01HD-07369-01 Generality and correlates of egocentrism in children
 ** R01HD-07867-01 Modifying intellectual behavior in aged (human)
 R01HD-08016-01 Behavior genetic studies of adoptive and natural families
 R01HD-08393-01 Patterning of cognitive skills in bilingual children
 R01HD-08458-01 Cognitive behavior in maturity and old age
 P17HL-14201-04 0004 Pulmonary disease research center - Long term evaluation of infants who have survived IRDS (human)
 ** P17HL-14214-04 0013 Neonatal lung center - Developmental outcome of children who had HMD as infants
 P18HL-15161-03 0002 Comprehensive sickle cell disease center - Intellectual and emotional growth and development of children
 ** P18HL-15166-03 0008 Comprehensive sickle cell disease center - Familial psychosocial aspects of sickle hemoglobin

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** P18L-15169-03 0013 Comprehensive sickle cell disease center 2 Intelligence and mental capacity of patients with sickle cell disease
 R01MH-01099-19 Learning and transfer processes (human)
 P01MH-10006-10 0002 Research center for quantitative psychology - Simulation of concept learning and problem solving
 R01MH-16037-06 Home learning center approach to early stimulation (children)
 R01MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
 R01MH-21145-02 Adjustment of children of schizophrenic parents
 R01MH-21423-03 Locus of control and intellectual development (children)
 R01MH-22995-02 Environment and experience-Children in home/day care
 R01MH-23884-02 Determinants of mental health (children)
 R01MH-24152-01 Epidemiology of and intervention for children at risk
 ** R01MH-24280-02 Intelligence and personality-An adoption study
 R01MH-24849-01 Development of self recognition in infancy
 R01MH-25360-01 Effects of early training on infant discrimination (human)
 R01NS-09135-05 Studies in distractibility (children)

PSYCHOLOGY, PERFORMANCE, SUCCESS-FAILURE

P01AA-00212-06 0006 Oklahoma center for alcohol related studies - Cognitive functioning in alcoholism (human)
 R01AA-00290-03 Emotional and pharmacological influences on craving (human)
 ** R01DA-00137-03 Drug use related to college and career achievement
 ** P01HD-02274-08 0160 Mental retardation and child development - Adjustment of children in special learning classes
 ** P01HD-03008-07 0010 Cognition and motivation in the retarded - Effects of success and failure on learning of normal and retarded children
 ** P01HD-03008-07 0021 Cognition and motivation in the retarded - Effects of need for social approval and mastery on task performance
 P01HD-03008-07 0023 Cognition and motivation in the retarded - Components of effectance motivation in normal and retarded children
 ** P01HD-03008-07 0027 Cognition and motivation in the retarded - Smiling as a measure of child's sense of pleasure in mastery
 R01HD-04135-06 Developmental-integrative investigation (human)
 P01HD-05027-05 0009 Developmental psychology - Social comparison processes
 ** R01HD-07412-02 Fertility motivation and career conflict in women
 R01MH-11321-08 Motivation and experience-Theory (human)
 ** P01MH-11668-09 0092 Psychosocial factors in health and disease - Gestures, posture, facial expressions associated with giving up
 R01MH-16728-05 Cognitive development and cognitive socialization
 ** R01MH-18864-04 Epidemiology of achievement and psychiatric status
 ** R01MH-21051-03 Errors and personalities- Their role in cognition in children
 R01MH-22590-02 Impact of instruction and counseling of youth
 ** R01MH-22923-03 Correlates of success in experimental college
 R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
 ** R03MH-24556-01 Construct validation of fear of success in females
 R01MH-24594-01 Behavioral communications approach to marital success
 ** R01MH-24859-01 Program factors and student outcomes in success schools
 ** R03MH-25891-01 Relative deprivation, militancy and aspirations
 R01MH-26239-01 Human self regulation

PSYCHOLOGY, PERSONALITY

SEE ALSO PSYCHOLOGY, ATTITUDES (AND RELATED)
 SEE ALSO PSYCHOLOGY, BEHAVIOR
 SEE ALSO PSYCHOLOGY, IDENTITY
 SEE ALSO PSYCHOLOGY, PERFORMANCE, CREATIVITY-ORIGINALITY
 SEE ALSO PSYCHOLOGY, PERFORMANCE, INTELLIGENCE
 SEE ALSO PSYCHOLOGY ABNORMAL, PERSONALITY DISORDERS (GENERAL)
 SEE ALSO PSYCHOLOGY SOCIAL, GROUP PROCESSES, LEADERSHIP
 R01AA-00185-03 Drinking and social stress in driving of young adults
 ** R12AA-00209-07 0011 Washington University Alcoholism Research Center - Endocrinologic study of alcoholic men

P01AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
 R01AA-00232-06 Socialization of problem behavior in youth
 R01AA-00261-04 Avoidance conditioning of alcoholics (human)
 P01CA-13556-03 Core program-genetical epidemiology of cancer
 ** R01DA-00033-06 Effects of marijuana on perception and cognition (human)
 ** R01DA-00054-03 Student drug use and its personality correlates
 R01DA-00055-04 Therapeutic explorations with adolescents-Project community
 R01DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)
 ** R01DA-00065-04 Drugs and personality (children)
 ** R01DA-00099-03 Marijuana and personality (university students)
 R01DA-00121-01 Construction of a causal model of student drug use
 R01DA-00139-03 Experimental drug abuse (monkeys)
 R01DA-00140-02 Psychosocial effects of chronic marijuana use (human)
 ** R01DA-00813-01 A systems approach to the study of drug use
 R01DA-00831-01 Psychologic and socio-demographic profiles of addicts
 R01DA-00877-01 Generalizability of behavioral assessment (human)
 R01DA-01054-01 Drug abuse among Indian adolescents
 P01DA-01073-01 Center, theoretical social research on drug abuse
 P01DA-01080-01 Psychosocial investigation of drug abuse in industry
 P01DE-01697-12 0014 Interdisciplinary studies in cleft palate - Attitudes of children, adolescents, young adults and their parents
 ** P01HD-00973-11 0032 Research program on retarded intellectual development - Personality and motivation structure in the mentally retarded
 P01HD-00973-11 0076 Research program on retarded intellectual development - Parent-child interactions during 'play' and the personality of the mother
 ** P01HD-00973-11 0079 Research program on retarded intellectual development - Personality, motivation and reading achievement in retarded children
 ** P01HD-00973-11 0082 Research program on retarded intellectual development - Personality and motivation correlates of play behavior in retarded children
 P01HD-03008-07 0030 Cognition and motivation in the retarded - Biology and competence
 P01HD-03617-06 Intergenerational studies of development and aging (human)
 R01HD-03742-06 Sex linked traits in Turners syndrome-Family study
 R01HD-04135-06 Developmental-integrative investigation (human)
 R01HD-06272-02 Psychological effects of voluntary vasectomy
 P01HD-06276-03 0022 Mental retardation research program - Sex chromosomes abnormalities and behavior variation
 P01HD-06276-03 0032 Mental retardation research program - Family adaptation to children with mental retardation or fatal diseases
 R01HD-06589-03 Personality and attitude factors in birth planning
 R01HD-06648-02 A family study of the genetics of special abilities
 R01HD-07186-01 Economic and non-economic determinants of migration
 R01HD-07200-01 Heritability and mental development
 R01HD-07323-01 Motivation, roles and family planning of women
 R01HD-08074-01 Prediction of failures in contraceptive planning
 N01HD-42844-00 Parental attitudes and children's personality
 R01HL-07796-12 Antecedents of clinical coronary heart disease (human)
 R01MH-01206-18 Behavior without awareness (human)
 R01MH-04151-14 0011 Psychology and physiology of sleep - Phasic oculomotor potentials in human sleep
 R01MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
 R01MH-07722-10 Research on information processing psychology (human)
 P01MH-08667-10 0004 A longitudinal epidemiology of impaired competence - Characteristics of educationally handicapped children
 R01MH-08954-10 Methodology of outpatient drug research (human)
 R01MH-08957-10 Early drug evaluation in neurotic outpatients
 R01MH-11547-06 Parental factors and schizophrenia
 ** P01MH-11668-09 0026 Psychosocial factors in health and disease - Women with ischemic stroke

P01MH-11668-09 0036 Psychosocial factors in health and disease - Behavioral correlations of carcinomatous changes in cervix
 P01MH-11668-09 0039 Psychosocial factors in health and disease - Conversion as a prelude to multiple sclerosis
 ** P01MH-11668-09 0047 Psychosocial factors in health and disease - Arteriosclerosis-Differentiation of 'vascular' and 'non-vascular' population
 P01MH-11668-09 0048 Psychosocial factors in health and disease - Arteriosclerosis-Women with myocardial infarction
 ** P01MH-11668-09 0049 Psychosocial factors in health and disease - Arteriosclerosis-Peripheral vascular disease
 P01MH-11668-09 0050 Psychosocial factors in health and disease - Arteriosclerosis-Developmental determinants of the pressured pattern
 ** P01MH-11668-09 0057 Psychosocial factors in health and disease - Ulcerative colitis-Characteristics and illness patterns in patients over 50
 P01MH-11668-09 0072 Psychosocial factors in health and disease - Donor selection for renal transplantation
 P01MH-11668-09 0083 Psychosocial factors in health and disease - Rheumatoid arthritis
 R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
 M P01MH-12972-08 Research program in personality assessment
 ** P01MH-12972-08 0001 Research program in personality assessment - Personality structure derived from trait-descriptive terms (human)
 ** P01MH-12972-08 0002 Research program in personality assessment - Language and personality (human)
 ** P01MH-12972-08 0003 Research program in personality assessment - Analysis of the meaning of the concept of trait (human)
 ** P01MH-12972-08 0004 Research program in personality assessment - Person clusters in normal and deviant families (human)
 ** P01MH-12972-08 0007 Research program in personality assessment - A biosocial approach to morphological measurement (human)
 P01MH-12972-08 0008 Research program in personality assessment - A social learning approach to sequential interaction (human)
 P01MH-12972-08 0009 Research program in personality assessment - Individual differences in behavioral transitions (human)
 ** P01MH-12972-08 0012 Research program in personality assessment - Facet designs for item selection and scale analysis (human)
 ** P01MH-12972-08 0018 Research program in personality assessment - Scale construction by moment maximization (human)
 P01MH-12972-08 0021 Research program in personality assessment - Multivariate techniques for evaluation and prediction of human behavior
 ** P01MH-12972-08 0022 Research program in personality assessment - Classification procedures utilizing non-parametric density estimates (human)
 P01MH-12972-08 0024 Research program in personality assessment - Models of judgment processes (human)
 P01MH-12972-08 0025 Research program in personality assessment - Thinking under uncertainty (human)
 P01MH-12972-08 0026 Research program in personality assessment - Information processing in judgment and decision making-Decade of research
 P01MH-12972-08 0027 Research program in personality assessment - Techniques for enhancing the subjective optimality of decisions (human)
 P01MH-12972-08 0028 Research program in personality assessment - Bootstrapping human judgments
 P01MH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder
 R01MH-14520-06 Pharmacology of sleep-Long-term studies (human, rats)
 R01MH-16952-05 Interpersonal control processes (human)
 R01MH-17367-03 Community impact of suicide prevention services
 R01MH-17654-04 Patient profiles and differential response to drugs
 R01MH-18819-04 Precursors of suicide and other premature deaths
 R01MH-18856-04 Control of the subjective intensity of sensation (human)
 R01MH-18857-02 Offspring of psychotic women (Sweden)
 R01MH-19152-04 Cognitive control of pain
 R01MH-19585-02 Human aging data file and psychological analysis
 ** R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
 R01MH-20660-03 Physical distance and social interactions (human)
 ** R01MH-21051-03 Errors and personalities- Their role in cognition in children
 R01MH-21275-02 Pathologic and adaptive response to human sleep loss
 P01MH-21586-02 Biogenetic studies of the affective disorders
 R01MH-21628-02 Comparison of pre-sleep and extrasensory stimuli in dreams

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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R01MH-22215-02 Evaluation of comprehensive program for adolescents
 R01MH-22299-01 Anticipatory coping and stress responses (human)
 R01MH-22590-02 Impact of instruction and counseling of youth
 R01MH-22644-02 Volunteer phone counselors—A study of altruists
 M P01MH-22916-02 Personality and psychotherapy
 P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
 P01MH-22916-02 0002 Personality and psychotherapy - Clinical inference
 ** P01MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy
 R01MH-23248-02 Mechanisms of generalized behavior change (human)
 R01MH-23516-02 Information integration in juror judgments
 R01MH-23886-02 The development of prosocial behavior in children
 ** R01MH-24280-02 Intelligence and personality—An adoption study
 R03MH-24556-01 Construct validation of fear of success in females
 R03MH-24713-01 Arousal and individual differences in attention (human)
 R01MH-24902-01 Evaluative study of callers to a crisis hotline
 ** R03MH-24998-01 Self-monitoring and consistency in self-presentation
 R03MH-25067-01 Pilot study of experienced life course (human)
 ** R01MH-25229-01 Externalization and children's problem solving strategies
 ** R03MH-25354-01 Personality and person perception
 ** R03MH-25382-01 Psychological differentiation and hypnotizability (human)
 R03MH-25406-01 Urban social psychology—A network approach
 ** R01MH-25547-01 Committee on work and personality in the middle years
 R01MH-25568-01 Clinical and experimental study of human obesity
 R03MH-25793-01 Socio-economic factors in emerging entrepreneurship
 R01MH-26098-01 Stress, crowding and blood pressure in prison
 R02NU-00497-01 Nurses' inferences of suffering

PSYCHOLOGY, PERSONALITY, CHARACTER

SEE ALSO PSYCHOLOGY, BEHAVIOR, ALTRUISTIC
 R03MH-26050-01 Infant temperament and child rearing (Kenya)

PSYCHOLOGY, PERSONALITY, EXTROVERT

** R03MH-25060-01 Electrodermal measures of neuroticism and extraversion (human)

PSYCHOLOGY, PERSONALITY, SELF-ORGANIZATION

** P01DA-00250-03 0019 Research center—Studies of drug dependence and abuse - Operant self-control procedures—Intervention, research in addiction (human)
 R01MH-06830-13 Delay of gratification in choice situations (children)
 ** R01MH-19384-04 Self-concept and self-administered verbal rewards in children
 R01MH-22127-02 Personal causation and development of responsibility
 R01MH-22296-02 Variables influencing pain produced by electric shock (human)
 ** R01MH-26239-01 Human self regulation

PSYCHOLOGY, PERSONALITY DEVELOPMENT

SEE ALSO SOCIALIZATION
 R18AA-00760-01 Stonewall-alcoholic rehabilitation
 P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
 P02DE-02172-10 0005 Oral-facial communicative disorders - Psychology and sociology (human)
 R01HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome
 P01HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)
 ** P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
 ** P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
 R01HD-03591-07 Experimental and innate factors in early development (humans)
 P01HD-04510-06 0001 Center for research in human development - Institute on mental retardation and intellectual development
 M P01HD-05027-05 Developmental psychology
 ** P01HD-05027-05 0007 Developmental psychology - Peer influence

P01HD-05027-05 0010 Developmental psychology - Teaching techniques
 ** P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 R01HD-06792-03 Effect of sibling position on fertility rates (human)
 R01HD-08016-01 Behavior genetic studies of adoptive and natural families
 R01HD-08952-01 Locus of control, aspiration and competence in children
 ** R01HD-08966-01 0007 Early diagnostic studies of aberrant development - Cognitive development (human)
 R01MH-05683-12 Childhood psychopathology process and overt symptomatology
 R01MH-18037-06 Home learning center approach to early stimulation (children)
 ** R01MH-21969-03 Studies of psychological differentiation (human)
 ** R01MH-22127-02 Personal causation and development of responsibility
 P01MH-22836-02 Children and families vulnerable to mental disorders
 P01MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
 R01MH-22923-03 Correlates of success in experimental college
 R01MH-23884-02 Determinants of mental health (children)
 ** R01MH-24149-01 Measurement studies in personality and cognition
 ** R01MH-24283-01 Development of initiative (human)
 R01MH-24596-01 Coping with novelty—The roots of mastery or of fear
 R01MH-25534-01 The ecology of upbringing (human)
 R01MH-25553-01 Pre college social development program
 ** R03MH-26050-01 Infant temperament and child rearing (Kenya)

PSYCHOLOGY, PERSONALITY DEVELOPMENT, EGO, SUPEREGO, ID

SEE ALSO PSYCHOLOGY, ATTITUDES, CONSCIENCE
 ** R01MH-05115-13 Measurement and studies of ego development
 R01MH-13915-05 Modification of defenses in psychoanalysis (human)
 ** R01MH-16080-06 Ego development and the provenance of thought
 R01MH-22127-02 Personal causation and development of responsibility

PSYCHOLOGY, PERSONALITY (DEVELOPMENT), LIFE STYLE

P01HD-03617-06 Intergenerational studies of development and aging (human)
 R01MH-23806-01 Correlates and consequences of ethnicity in the US
 ** R01MH-24795-01 Household settings—Life styles and mental health
 R01MH-24947-01 Child mental health in alternative family styles
 ** R01MH-25935-01 Social competence and behavior style in mental patients
 R02NU-00494-01 Post baccalaureate nursing careers, a follow-up study

PSYCHOLOGY, PERSONALITY DEVELOPMENT, PSYCHOSEXUAL DEVELOPMENT

M R01HD-00325-18 Longitudinal and related psychohormonal studies
 R01HD-00325-18 0001 Longitudinal and related psychohormonal studies - Psychoendocrine therapy and resistance to it in XYY patients and parents
 R01HD-00325-18 0002 Longitudinal and related psychohormonal studies - Adult erotic function in female hermaphrodites
 R01HD-00325-18 0003 Longitudinal and related psychohormonal studies - Turner's syndrome hormonal therapy and erotic function of adults
 R01HD-00325-18 0006 Longitudinal and related psychohormonal studies - Therapeutic effect of antiandrogen on sex offenders
 R01HD-00325-18 0007 Longitudinal and related psychohormonal studies - Voluntary amputation and selfmutilation as a paraphilia
 R01HD-00325-18 0008 Longitudinal and related psychohormonal studies - Women with vaginal atresia
 R01HD-00325-18 0010 Longitudinal and related psychohormonal studies - Androgen substitution in hypopituitary males
 R01HD-00325-18 0011 Longitudinal and related psychohormonal studies - Families of reassigned transsexuals
 ** R01HD-00325-18 0012 Longitudinal and related psychohormonal studies - Genetic males reared as females
 R01HD-06264-03 Sociopsychological aspects of premarital conception
 R01HD-06266-02 Psychological factors and fertility behavior in women
 R01HD-07658-01 Steroid hormones and fetal development (primates)
 R01MH-05115-13 Measurement and studies of ego development

** R01MH-21312-03 0012 Endocrinological determinants of behavior - Early social conditions and development of sexually dimorphic behaviors (monkeys)
 ** R01MH-21312-03 0015 Endocrinological determinants of behavior - Development of dimorphic behaviors in castrated male rhesus
 R01MH-23664-02 Teenage youth in new town setting

PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT

R18AA-00533-03 Alcohol awareness as it affects the Indian child
 R18AA-00824-02 Children of alcoholics
 R18AA-01440-01 Martin Luther King, Jr. alcoholism program
 P02AM-13083-06 0105 Organ transplantation - Sociopsychological study
 ** R01DA-00054-03 Student drug use and its personality correlates
 ** R25DA-00075-02 Teacher training for a program in self-understanding
 R25DA-00827-01 Pilot demonstration drug training program
 M P01DE-01697-12 Interdisciplinary studies in cleft palate
 ** P01DE-01697-12 0014 Interdisciplinary studies in cleft palate - Attitudes of children, adolescents, young adults and their parents
 ** P01DE-01697-12 0023 Interdisciplinary studies in cleft palate - Plaghtemes of cleft-palate children
 P01DE-01899-12 0004 Habituation of the cleft palate individual - Psychological studies (children, parents)
 P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
 P01HD-00668-16 0019 Aging and the aged - Arousal pattern in structural interpersonal setting—Age related difference (men)
 ** P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
 P01HD-05027-05 0007 Developmental psychology - Peer influence
 P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 R01HD-06264-03 Sociopsychological aspects of premarital conception
 ** R01HD-07303-02 The development of self monitoring and communication ability
 R01HD-07739-01 Decision making on unplanned pregnancies
 ** R01HD-08952-01 Locus of control, aspiration and competence in children
 R01HD-12038-04 Attitudinal factors affecting family size
 R01MH-06830-13 Delay of gratification in choice situations (children)
 P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)
 R01MH-15008-06 Treatment deployment for chronic psychotics
 R01MH-18135-04 Self-image and family dynamics in transplantation (human)
 R01MH-18762-04 Conditions facilitating successful rendering of help
 ** R01MH-19384-04 Self-concept and self-administered verbal rewards in children
 R01MH-20169-03 Antecedents and consequences of perceived freedom (human)
 R01MH-20312-03 Demonstration project for urban adolescent parents
 ** R01MH-21735-03 The behavioral consequences of androgyny (human)
 R01MH-21789-02 Definitional processes in planning social change
 R01MH-21854-02 Social antecedents of acts of interpersonal violence
 R01MH-21929-02 Volunteerism in the lives of women
 R01MH-22590-02 Impact of instruction and counseling of youth
 R01MH-22644-02 Volunteer phone counselors—A study of altruists
 R01MH-22682-03 Demonstration—Mental Health Program—Jr High Schools
 ** R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
 R01MH-22883-02 Role of autotelic experiences in adult development
 R01MH-23468-01 Women's liberation—Is the definition class-bound?
 R01MH-23786-01 Changing urban family roles
 R01MH-23793-01 Rejuvenating the asylum (children)
 R01MH-24817-01 Human development model for mental health services
 ** R01MH-24849-01 Development of self recognition in infancy
 R03MH-25054-01 Stuttering and stutterers—A sociological approach
 R03MH-25396-01 Validity of expectation (children)
 ** R01MH-25525-01 Investment of self in an urban group
 R01MH-25536-01 Attributions of social power
 ** R03MH-25543-01 Measuring some effects of self-awareness (human)
 R01MH-25553-01 Pre college social development program

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R03MH-25736-01 Actor-observer differences in attributions of causality
- R03MH-25891-01 Relative deprivation, militancy and aspirations
- R01MH-26130-01 Psychological impact of rape on the victim
- R01MH-26141-01 Diversion-A study of alternative processing practices
- R03MH-26160-01 Psychological effects of camp on handicapped children
- R01MH-26239-01 Human self regulation
- R02NU-00426-03 Information disclosures in nurse practice settings
- M01RR-00626-02 0079 General clinical research center - Modification of sex role attitudes and behaviors in transsexuals

PSYCHOLOGY, PERSUASION

- SEE ALSO PSYCHOLOGY, SUGGESTION
- R18AA-00178-03 Family of alcoholics-Communication and control
- R01DA-00099-03 Marijuana and personality (university students)
- PI6HS-00471-06 0019 Health services research center - Persuasive communications and informed consumer choice
- ** R01HS-01440-01 Blood donor motivation and recruitment
- R01MH-16950-06 Group decision-making involving risk
- R01MH-23248-02 Mechanisms of generalized behavior change (human)
- R01MH-25536-01 Attributions of social power
- ** R01MH-26112-01 The persuasive power of discrepant minorities

PSYCHOLOGY, REACTIONS TO INNOVATION

- ** R01MH-25374-01 Experimental studies in minority influence II (human)

PSYCHOLOGY, SUGGESTION

- SEE ALSO PSYCHOLOGY, PERSUASION
- R01MH-19152-04 Cognitive control of pain
- R01MH-21294-03 Hypnosis, suggestion and psychocutaneous effects

PSYCHOLOGY, SUGGESTION, HYPNOSIS

- SEE ALSO PSYCHOLOGICAL TESTS, HYPNOTIC SUSCEPTIBILITY TESTS*

- P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
- ** R01GM-20621-02 Hypno-and acupuncture analgesia-Physiological study (human)
- M R01MH-03859-13 Developmental-interactive aspects of hypnosis
- ** R01MH-03859-13 0001 Developmental-interactive aspects of hypnosis - Developmental aspects of hypnosis
- ** R01MH-03859-13 0002 Developmental-interactive aspects of hypnosis - Interactive aspects of hypnosis
- ** R01MH-03859-13 0003 Developmental-interactive aspects of hypnosis - Hypnotic behavior and the hypnotic state
- ** R01MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis
- R01MH-08061-11 Analytic studies of visual perception (human)
- R01MH-19152-04 Cognitive control of pain
- R01MH-19156-04 The nature of hypnosis (human)
- ** R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
- ** R01MH-21294-03 Hypnosis, suggestion and psychocutaneous effects
- ** R03MH-23967-01 The sociology of acceptance of therapies
- R01MH-25101-01 Therapy of anxiety-A new psychophysiological approach
- ** R03MH-25382-01 Psychological differentiation and hypnotizability (human)

PSYCHOLOGY, SUPPRESSION

- SEE ALSO PSYCHOLOGY, DEFENSE MECHANISMS, RATIONALIZATION
- SEE ALSO SOCIAL CONTROL
- R18AA-00181-03 Mood, memory and drinking in alcoholic patients
- R03MH-25626-01 Delayed effects of aggressive stimulation (human)

PSYCHOLOGY ABNORMAL

- SEE ALSO CHILD MENTAL DEVELOPMENT DISORDERS
- SEE ALSO PSYCHOSIS
- SEE ALSO SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS
- ** P01HD-02274-08 0134 Mental retardation and child development - Primate model for genetic susceptibility to abnormal behavior (monkeys)
- ** P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
- ** P01MH-12972-08 0018 Research program in personality assessment - Scale construction by moment maximization (human)
- P01MH-12972-08 0022 Research program in personality assessment - Classification procedures utilizing non-parametric density estimates (human)
- R01MH-19560-04 Prospective study of children of schizophrenic parents
- R01MH-22840-02 Deviant development of infants of schizophrenics

- R01MH-24677-01 The social organization of psychological disorder
- R01MH-24819-01 A short term developmental study of children at risk
- R01MH-24884-01 Psychiatric epidemiology in Rhode Island
- ** R01MH-25444-01 Drugs, aggression and neurochemistry (mice)
- R01NS-08909-04 Regional CNS uptake of amino acids (mice)

PSYCHOLOGY, ABNORMAL, AUTISM

- SEE ALSO PSYCHOSIS, SCHIZOPHRENIA, CHILDHOOD
- P01HD-03110-07 0034 Child development and mental retardation - Child psychiatry research
- ** P01HD-05124-04 0002 Mental retardation-Behavioral and neurologic aspects - Total learning environment for autistic children
- P01HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
- R01MH-04665-14 Childrens psychopharmacology unit
- ** P01MH-08618-10 0047 Biological studies of psychotic disorders - Autistic and schizophrenic children
- R01MH-18438-05 Etiology and prognosis in childhood psychosis (human)
- R01MH-19734-04 Isoenzymes of monoamine oxidase in developing brain (human, chick embryo)
- R02NU-00369-04 Action program in nursing research facilitation
- P07RR-00003-13 0034 Medical data processing research - Gene maps and linkage
- ** P07RR-00003-13 0056 Medical data processing research - Autistic behavior
- ** M01RR-00125-11 0236 General clinical research center-adult-child - Biogenic amines in autistic and atypical children

PSYCHOLOGY ABNORMAL, BEHAVIOR

- DISORDERS AND SYMPTOMS (GENERAL)**
- SEE ALSO CHILD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL
- SEE ALSO PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS (GENERAL)
- R12AA-00209-07 0008 Washington University Alcoholism Research Center - Effects of chronic alcohol intake on the brain during development (rats)
- ** R01AA-00376-01 An alcohol dependence model (rats)
- ** R01AA-00383-01 Analytic review of cross-culture studies on alcohol
- ** R01AA-00397-01 Brain response in alcoholics during drinking cycles
- R18AA-00417-01 Employee assistance program
- R01AA-00498-03 0012 Clinical studies of alcohol use and abuse - Alcoholism-Genetic aspects (human)
- R18AA-00551-01 Comprehensive indian alcoholism and social services program
- ** R18AA-00570-01 Haskell Indian alcohol prevention treatment program
- R01AA-00622-01 Patterns of alcohol use in rural communities
- ** R01AA-00902-01 Effects of ethanol on brain
- ** R01AA-01229-01 Alcohol and conflict resolution
- R01AA-01372-01 Natural history of alcohol abuse (urban males)
- N01CM-43705-00 Intrathecal toxicity of antineoplastic agents (Rhesus monkeys)
- ** R01DA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
- ** R01DA-00057-04 Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys)
- ** R01DA-00877-01 Generalizability of behavioral assessment (human)
- N01DA-10089-03 Determine effects of natural and synthetic marijuana in humans
- P01ES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
- ** P01ES-00040-10 0010 Environmental toxicology of pesticides - Psychobiological effects of pesticides (rats, quail)
- P01ES-00454-06 0003 Biological effects of environmental agents - Carbon monoxide hypoxic hypoxia and drug response in vivo (rats, human)
- ** P01ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
- P01ES-00454-06 0008 Biological effects of environmental agents - Phthalate ester plasticizers (human, laboratory animals)
- ** P01ES-00454-06 0020 Biological effects of environmental agents - Behavioral and CNS system effects of CO exposure (rats, baboons)
- ** P01ES-00481-03 0002 Subcellular pathology of heavy metals - Effect of lead on growth and maturation of nervous system (rats)
- R01ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
- R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
- R01GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
- ** R01HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)

- ** P01HD-01799-09 0015 Mental retardation research center - Patients with metabolic errors and aberrant behavioral development
- ** P01HD-02274-08 0155 Mental retardation and child development - Training parents to change children's behavior
- ** P01HD-02274-08 0165 Mental retardation and child development - Behavioral effects of drugs on children
- ** P01HD-03110-07 0021 Child development and mental retardation - School age research
- ** P01HD-03352-07 0005 Wisconsin center on mental retardation - Behavioral effects of brain lesions (monkeys, cats)
- ** P01HD-03352-07 0008 Wisconsin center on mental retardation - Altered postnatal environment (monkeys)
- ** P01HD-03352-07 0031 Wisconsin center on mental retardation - Effects of nutrition on behavioral competency (human)
- P01HD-03352-07 0036 Wisconsin center on mental retardation - Educational development of handicapped children and youth
- P01HD-04147-06 0001 Research in mental retardation - Behavioral program (human)
- R01HD-05285-03 Experimental phenylketonuria (rats)
- M P01HD-06276-03 Mental retardation research program
- ** P01HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
- P01HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesis
- ** P01HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
- R01HD-07551-01 Child spacing and family size in population planning
- P01HD-08240-01 0007 Developmental processes in children at risk for MR - Prevention and immunization of behavior deficits
- ** N01HD-32776-05 Diagnostic and intervention studies of high risk infants
- ** R01HL-14888-02 Behavioral deficits in post-cardiac surgery patients
- P18HL-15996-02 0004 Cincinnati sickle cell anemia center - School adjustment of thirty sickle cell patients
- ** P01MH-08667-10 0016 A longitudinal epidemiology of impaired competence - Behaviors labeled Mentally III and the Mentally III role
- R01MH-08744-10 Coping behavior in schizophrenia
- ** R01MH-11894-09 0005 Comprehensive behavioral studies - Social deprivation (Rhesus monkeys)
- ** P01MH-12972-08 0004 Research program in personality assessment - Person clusters in normal and deviant families (human)
- P01MH-12972-08 0008 Research program in personality assessment - A social learning approach to sequential interaction (human)
- ** P01MH-12972-08 0009 Research program in personality assessment - Individual differences in behavioral transitions (human)
- ** R01MH-14432-07 Early screening and long-term drug therapy of children
- ** R01MH-17367-03 Community impact of suicide prevention services
- P01MH-17565-03 0002 Genetics of the XYY phenomena in man - Physical investigations (human)
- ** R01MH-17960-05 Chromosome abnormality and behavioral variation (human)
- ** R01MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- ** R01MH-18180-05 Outpatient pediatric psychopharmacology
- ** R01MH-18260-05 Psychiatric impairment in urban children over time
- R01MH-18332-05 Temporal organization in behavior and development (human)
- ** R01MH-18813-04 Group integration and behavioral change (human)
- ** R01MH-19642-04 Teaching mothers to alter interactions with children
- ** R01MH-19706-03 Behavioral programs in learning activities for youth (human)
- ** R01MH-20922-04 Training parents in management of antisocial boys
- R01MH-21247-03 Comparative drug studies of aggressive mechanism (mammals, frogs, orthoptera)
- R01MH-21344-02 Home vs hospital care of behavior disordered children
- R01MH-22090-01 The mental health of Blacks and Asian Americans
- ** R01MH-22336-02 College students in mental health service projects
- ** R01MH-22370-02 School intervention program
- R01MH-22682-03 Demonstration-Mental Health Program-Jr High Schools
- R01MH-22742-02 Group work in treatment of adults
- R01MH-22891-02 Crisis intervention by the use of telephone therapy
- ** R01MH-22915-02 Detection of behavior outbreaks with community data
- R01MH-23248-02 Mechanisms of generalized behavior change (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- RO1MH-24279-02 Androgens, brain and behavior (rats, mice, human)
- ** R03MH-24502-01 Comparison of several classroom management systems
- ** RO1MH-24894-01 Mutual aid systems approach to school mental health
- R03MH-25352-01 Brain dysfunction, hyperactivity and lead exposure (rats)
- R03MH-25461-01 Life events, stress, and mental distress
- ** RO1MH-25669-01 Neurophysiological studies in high risk children
- ** RO1NS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)
- RO1NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- RO1NS-09135-05 Studies in distractibility (children)
- RO1NS-10819-01 Neonatal brain damage and vision (cats)
- ** RO1NS-11786-01 Genetics of human behavioral disorders - Stuttering
- RO1OH-00327-06 Carbon monoxide and human information processing
- ** RO1RR-00902-01 Physiology and behavior in caged random source dogs

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS

- SEE ALSO INFORMATION-COMMUNICATION DISORDERS
SEE ALSO PSYCHOSIS, PARANOIA
SEE ALSO SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS
- RO1DA-00057-04 Chronic amphetamine intoxication - A multidisciplinary approach (cats, monkeys)
- PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- ** PO1HD-00668-16 0015 Aging and the aged - Age effect on multiple cognitive processes (human)
- PO1HD-00668-16 0023 Aging and the aged - Hyperbaric oxygenation, behavior, and EEG in the aged
- ** PO1HD-03008-07 0002 Cognition and motivation in the retarded - Cognitive development and strategies for thinking (children)
- ** PO1HD-05027-05 0013 Developmental psychology - Development of attention
- PO1HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesis
- ** PO1HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
- RO1MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- ** RO1MH-18354-04 Attention of deficits in subvarieties of schizophrenia
- RO1MH-20410-03 Two-environment modification of problem child behavior
- RO1MH-24337-01 Hyper- and normobaric oxygen in senility
- ** RO1MH-24341-02 Cognitive response to psychological stress (human)
- RO1MH-24992-01 Development of a curriculum in pediatric psychology
- ** RO1MH-25855-01 Proprioception and cognitive disorders in schizophrenia
- RO1NS-00616-20 Performance tests in cerebral disease (human)
- M PO1NS-06209-09 Boston University aphasia research center
- RO1NS-07615-14 New measures of aphasic symptom variables (human)
- M RO1NS-10577-02 Normal and pathological human brain function
- ** MO1RR-00048-13 0026 Clinical center - Effect of neurotransmitters on human memory

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, DELUSIONS

- PO1MH-11668-09 0089 Psychosocial factors in health and disease - Psychic syndromes presenting with somatic complaints

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, LEARNING DISORDERS

- SEE ALSO INFORMATION-COMMUNICATION DISORDERS, READING DISORDERS
- RO1DA-01057-01 0001 Drugs of abuse - Pharmacokinetics, metabolism and response - Stimulant drugs and minimal brain dysfunction (children)
- PO1ES-00040-10 0008 Environmental toxicology of pesticides - Effects of chronic sublethal doses on behavior and longevity of arthropods
- PO1ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
- PO1ES-00454-06 0020 Biological effects of environmental agents - Behavioral and CNS system effects of CO exposure (rats, baboons)
- RO1ES-00883-01 Effect of lead in the developing neonatal brain (rats)
- ** RO1HD-00324-19 Biochemical and behavioral studies of phenylketonuria (rats)
- RO1HD-02395-08 Development of the EEG in relation to behavior (human)
- PO1HD-02528-08 0075 Research center in mental retardation - Molecular bases of mental retardation (rats)

- ** PO1HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesis
- RO1HD-06903-01 Parent training on learning and cognition of deaf children
- ** RO1HD-07551-01 Child spacing and family size in population planning
- ** RO1MH-12888-08 Children with learning disabilities - A follow-up
- RO1MH-14432-07 Early screening and long-term drug therapy of children
- ** PO1MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
- ** PO1MH-16674-06 0035 A program of psychiatry-oriented biological research - Inhibition of non-adrenergic neurotransmission on memory consolidation in mice
- ** RO1MH-19426-02 Neural responses to relevant and irrelevant stimuli (cats)
- ** RO1NS-10575-01 Neuropsychological study of children with brain damage
- MO1RR-00125-11 0236 General clinical research center - adult-child - Biogenic amines in autistic and atypical children

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, MEMORY DISORDERS

- R18AA-00181-03 Mood, memory and drinking in alcoholic patients
- ** RO1AA-00187-03 Memory impairment of alcoholic Korsakoff patients
- ** R12AA-00209-07 0006 Washington University Alcoholism Research Center - Psychological and physicochemical correlates of alcoholic blackouts
- RO1AA-00259-04 Behavioral treatment of alcoholism - Research and development (human)
- M RO1AA-00302-02 Alcohol, tolerance and memory
- ** RO1AA-00302-02 0005 Alcohol, tolerance and memory - Effect of alcohol on memory (mice)
- ** RO1AA-00302-02 0006 Alcohol, tolerance and memory - Is the amnesic effect of alcohol exerted on cholinergic system (mice)
- ** RO1AA-00311-03 0015 Metabolic and psychological factors in alcoholism - Alcohol-induced transitory loss of long-term memory
- ** PO1HD-02528-08 0088 Research center in mental retardation - Experimental analysis of memory deficits of retarded and deaf children
- ** PO1HD-05951-03 0001 Cognition in the retarded child - Short and long-term memory
- RO1HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- ** RO1MH-03372-15 0045 Neural mechanisms in behavior - Brain areas involved in current-induced amnesia (chicks)
- RO1MH-12526-09 Drug effects on learning and memory (rats, mice)
- ** PO1MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
- ** PO1MH-16674-06 0035 A program of psychiatry-oriented biological research - Inhibition of non-adrenergic neurotransmission on memory consolidation in mice
- ** PO1MH-16674-06 0036 A program of psychiatry-oriented biological research - Effect of silythryl protecting agents on memory consolidation in mice
- RO1MH-19156-04 The nature of hypnosis (human)
- ** RO1MH-19497-03 Memory processes and retention (rats, mice)
- ** RO1MH-22566-01 Depression and memory function in the aged
- ** RO1MH-23879-02 Drugs and memory (rats, mice)
- RO1MH-24337-01 Hyper- and normobaric oxygen in senility
- ** R03MH-24346-01 Retroactive facilitation of memory (goldfish)
- ** RO1MH-24600-01 Memory as affected by aging, disease and ECT (human)
- R03MH-25760-01 Effect of retrieval on stored information (rats)
- ** R03MH-25876-01 Hypernesia - Induction and cognitive control
- ** R03MH-26156-01 Remediation of memory disorder
- ** PO1NS-03356-14 0043 Neurological clinical research center - Neuropsychological studies (human)
- M PO1NS-06209-09 Boston University aphasia research center
- RO1NS-07615-14 New measures of aphasic symptom variables (human)
- RO1NS-09135-05 Studies in distractibility (children)
- PO1NS-09287-04 0013 Baylor center for cerebrovascular research - Neuropsychological studies in cerebrovascular disease and dementias (human)
- PO1NS-09287-04 0014 Baylor center for cerebrovascular research - Functional rehabilitation of memory in patients with stroke
- RO1NS-10575-01 Neuropsychological study of children with brain damage
- RO1NS-10577-02 0003 Normal and pathological human brain function - Perceptual laterality and visual recognition in Korsakoff's syndrome (human)
- ** RO1NS-10577-02 0006 Normal and pathological human brain function - Focusing behavior during concept formation by amnesic Korsakoff patients
- ** MO1RR-00048-13 0026 Clinical center - Effect of neurotransmitters on human memory
- MO1RR-00088-11 0034 General clinical research center - Effects of brain damage on brain function - Veterans of Korean War (human)

PSYCHOLOGY ABNORMAL, EMOTIONAL DISORDERS

- SEE ALSO PSYCHOLOGY, EMOTIONS, DEPRESSION
SEE ALSO PSYCHOLOGY ABNORMAL, NEUROSIS, CYCLOTHYMIA
SEE ALSO PSYCHOLOGY ABNORMAL, NEUROSIS, DEPRESSIVE
SEE ALSO PSYCHOSIS, DEPRESSIVE (GENERAL)
SEE ALSO PSYCHOSIS, MANIC-DEPRESSIVE
- ** RO1AA-00311-03 0014 Metabolic and psychological factors in alcoholism - Emotional and cognitive changes during alcohol consumption and REM deprivation
- ** RO1AA-00980-01 Withdrawal hyperexcitability in neural systems
- RO1AM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
- RO1CA-11982-04 Influence of central nervous system on oncogenesis (rats)
- PO2CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
- PO1ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
- PO1HD-01799-09 0027 Mental retardation research center - Aberrant development and its modification
- PO1HD-03110-07 0030 Child development and mental retardation - Project Early Aid
- PO1HD-05027-05 0015 Developmental psychology - Practical aspects of perceptual development
- PO1HD-06276-03 0031 Mental retardation research program - The phenomenon of unrelatedness (children)
- RO1HD-08966-01 0007 Early diagnostic studies of aberrant development - Cognitive development (human)
- RO1MH-05683-12 Childhood psychopathology process and overt symptomatology
- PO1MH-13002-06 0022 Clinical and laboratory studies of affective disorder - Psychiatric disorders in hemodialysis
- RO1MH-14052-05 System of corrective interventions in a research population (human)
- ** RO1MH-14395-05 Self-regulation training for under-controlled children
- ** RO1MH-14432-07 Early screening and long-term drug therapy of children
- RO1MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies - Sleep and dreams (human)
- RO1MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies - Drugs and biogenic amine metabolism (human)
- ** RO1MH-17978-03 Training for foster parents of disturbed children
- RO1MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- RO1MH-18332-05 Temporal organization in behavior and development (human)
- PO1MH-18909-04 Pediatric psychopharmacology (human, rats)
- RO1MH-19734-04 Isoenzymes of monoamine oxidase in developing brain (human, chick embryo)
- RO1MH-19972-04 Blind psychiatric family and follow-up study
- ** RO1MH-21090-03 Preclinical studies of rubidium in affective illness (dogs, primates)
- ** RO1MH-21350-01 Circadian rhythm uncoupling and affect disease
- RO1MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- ** RO1MH-22215-02 Evaluation of comprehensive program for adolescents
- ** RO1MH-22358-02 Bridge program - Year-round psycho-educational program
- ** RO1MH-22997-03 Evaluation of children's mental health services
- RO1MH-23453-01 Therapeutic group project for day care centers
- ** RO1MH-24250-01 Adult perceptions and child behavior dysfunctions (human)
- RO1MH-24607-01 Monoamines and mental illness (primates)
- RO1MH-24992-01 Development of a curriculum in pediatric psychology
- ** RO1MH-25433-01 Electrolyte transport systems in affective illness (rabbits)
- R03MH-25461-01 Life events, stress, and mental distress
- ** NO1MH-30235-00 Emotionally disturbed child in the classroom
- NO1MH-40002-00 Technical reports on NIMH research programs and projects
- ** PO1NS-09199-04 0002 Effect of L-dopa on synthesis of amines in brain (human, animals) - Psychiatric effects of L-dopa (human)

(contd)

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P01NS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinsons (human)

PSYCHOLOGY ABNORMAL, EMOTIONAL DISORDERS, AFFECTIVE (DEPRESSIVE) REACTION

- R01MH-24652-01 EEG sleep studies in relation to affective illness
- R01MH-25133-02 0003 Steroid hormones in depressive illness - 24 Hour cortisol secretory patterns in affective disorders (human)
- ** R01MH-25133-02 0004 Steroid hormones in depressive illness - LH secretion in affective disorders (human)
- ** R01MH-25133-02 0006 Steroid hormones in depressive illness - Correlations with MHPG excretion and epinephrine (human)
- R01MH-25435-01 The group of schizoaffective and related psychoses

PSYCHOLOGY ABNORMAL, EMOTIONAL DISORDERS, DEPERSONALIZATION

R18AA-00181-03 Mood, memory and drinking in alcoholic patients

PSYCHOLOGY ABNORMAL, MENTAL DISORDERS (GENERAL)

SEE ALSO BRAIN DISORDERS, CEREBELLAR DEGENERATION HEREDITARY

SEE ALSO BRAIN DISORDERS, CEREBRAL ATROPHY DIFFUSE

SEE ALSO MENTAL HEALTH SERVICES, PSYCHIATRIC PATIENT CARE

SEE ALSO MENTAL RETARDATION

SEE ALSO METABOLIC DISORDERS INBORN, HEPATOLENTICULAR DEGENERATION

SEE ALSO NEUROLOGIC MANIFESTATION, SLEEP DISORDERS, NARCOLEPSY

SEE ALSO NEUROMOTOR DISORDERS, CHOREA HEREDITARY

SEE ALSO PSYCHOSIS

- ** R12AA-00209-07 0003 Washington University Alcoholism Research Center - Psychiatric illness in siblings of chronic alcoholics
- R12AA-00209-07 0004 Washington University Alcoholism Research Center - Genetic studies in alcoholism (human)
- R12AA-00209-07 0012 Washington University Alcoholism Research Center - Alcoholism and psychiatric care
- ** R01AA-00256-05 Psychiatric illness in adopted children of alcoholics
- P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
- R01GM-10452-11 Stochastic models in medicine and biology
- P11GM-15431-08 0038 Research center for clinical pharmacology and drug toxicology - Ovarian hormones and monamines (human)
- R01HD-06751-02 Epidemiology of mental retardation-A national study (Netherlands)
- R01HD-06911-02 Population density and human behavior in Chicago
- ** R01HD-07770-01 Animal model for mental deficiency (ferret)
- P01HL-09814-09 0034 Research program- Cardiovascular and related disease - Well-being and health factors
- R01MH-00576-22 Biological timing devices in animals and man
- ** R12MH-09191-11 Diagnosis of mental disorder in U S and U K
- R12MH-09239-07 International study of schizophrenia
- ** R01MH-10328-10 Measurement of untreated psychiatric disorder
- ** P01MH-11668-09 0064 Psychosocial factors in health and disease - Psychiatric registry follow-up of hysterectomy or sterilization
- P01MH-11668-09 0085 Psychosocial factors in health and disease - Sequelae of induced abortion
- P01MH-11668-09 0101 Psychosocial factors in health and disease - Diagnostic criteria of conversion
- ** P01MH-13002-06 0018 Clinical and laboratory studies of affective disorder - The psychiatric emergency room
- P01MH-13002-06 0026 Clinical and laboratory studies of affective disorder - Affective disorders in marijuana users
- P01MH-13002-06 0027 Clinical and laboratory studies of affective disorder - Depression in women physicians and PhD controls
- P01MH-13002-06 0028 Clinical and laboratory studies of affective disorder - Completed suicide and the menstrual cycle
- ** P01MH-13002-06 0034 Clinical and laboratory studies of affective disorder - Taxonomy of psychiatric diagnosis
- ** P01MH-13369-07 Program for research in psychiatric sociology
- ** R01MH-14052-05 System of corrective interventions in a research population (human)
- R01MH-15708-05 Leisure and mental health-Cultural and age factors
- R01MH-15867-05 Crisis intervention-Model for prevention (human)
- ** R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)

- ** R01MH-16127-06 0003 Muscle enzyme release in the acute psychoses - Additional non-specific factors
- ** R01MH-16139-02 Architecture and behavior-The mentally impaired aged (human)
- R01MH-16728-05 Cognitive development and cognitive socialization
- ** R01MH-18013-04 Geel (Belgium) foster family care research project (human)
- R01MH-18075-05 A comprehensive study of 47, XYY male offenders (human)
- ** R01MH-18391-04 Sleep psychophysiology and psychopathology (human)
- ** R01MH-18422-04 Psychoacoustic research in psychopathology (human)
- ** R01MH-18864-04 Epidemiology of achievement and psychiatric status
- R01MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
- ** R01MH-19649-03 The impact of mental illness on the family (human)
- ** R01MH-19864-04 American beliefs about physical and mental illness
- R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
- M P01MH-19966-03 Psychiatric epidemiology research unit and two field studies
- ** P01MH-19966-03 0001 Psychiatric epidemiology research unit and two field studies - Psychiatric epidemiology research unit
- P01MH-19966-03 0002 Psychiatric epidemiology research unit and two field studies - Statistics and data processing
- P01MH-19966-03 0003 Psychiatric epidemiology research unit and two field studies - Psychiatric epidemiology literature profiles
- P01MH-19966-03 0004 Psychiatric epidemiology research unit and two field studies - Dutchess County field station and population laboratory
- P01MH-19966-03 0005 Psychiatric epidemiology research unit and two field studies - Dutchess County register
- P01MH-19966-03 0006 Psychiatric epidemiology research unit and two field studies - Washington Heights field station
- ** P01MH-19966-03 0007 Psychiatric epidemiology research unit and two field studies - Chronic hospitalization
- ** P01MH-19966-03 0009 Psychiatric epidemiology research unit and two field studies - Master Sample Survey III (human)
- ** P01MH-19966-03 0011 Psychiatric epidemiology research unit and two field studies - Lundby prevalence and incidence analysis (human)
- ** R01MH-19972-04 Blind psychiatric family and follow-up study
- ** R01MH-20125-00 Development and design of discussion guides (human)
- R01MH-20205-00 Evaluate NIMH funded financial studies and cost data
- ** R01MH-20206-00 Epidemiologic study of mortality associated with mental disorders
- ** R01MH-20224-00 Effect of ethnic/cultural variations on mental health and psychopathology
- R01MH-20708-03 Prevalence of psychological distress and help-seeking
- R12MH-20745-03 Insurance and linking the insured to a MH care system
- R13MH-21186-02 Conference and visitations for risk research groups
- ** R01MH-21724-02 Sub-cultural conceptions of mental illness
- R01MH-21811-01 Human predicaments and human services
- R01MH-22035-01 Ethnic survey program
- ** P01MH-22836-02 Children and families vulnerable to mental disorders
- R01MH-23441-01 Adult adjustment predicted from childhood assessment
- R01MH-23453-01 Therapeutic group project for day care centers
- ** R01MH-23628-02 Psychophysics of muscle tension in mental patients
- R01MH-23699-02 Model for urban/rural mental health system
- ** R01MH-24592-01 Models of madness in antiquity (Greece)
- ** R01MH-24607-01 Monoamines and mental illness (primates)
- R03MH-24621-01 Normative and descriptive aspects of mental health
- R01MH-24656-01 The psychology of Black Gangs-Mental illness or mental health
- ** R01MH-24677-01 The social organization of psychological disorder
- ** R03MH-24717-01 Coding and disposition of psychosocial illness
- ** R01MH-24787-01 Research review of black mental health-Mental illness
- ** R01MH-24884-01 Psychiatric epidemiology in Rhode Island
- R01MH-24889-01 Community based program for mentally frail elderly
- R01MH-24908-01 Schizophrenia and EEG signal analysis
- ** R01MH-25259-01 Orthomolecular psychiatry-Diagnosis and therapy

- R01MH-25417-01 Reintegrating the mentally ill in the local community
- P01MH-25515-01 0012 Collaborative biological research on schizophrenia - Microchemistry of proteolysis in human cerebral cortex
- R01MH-25551-01 Mental health R and D center in black communities
- P01MH-25642-01 Neurobiological basis of major psychiatric disorders
- ** R03MH-25771-01 Relationship between mythology and mental illness (Philippines)
- ** R03MH-25822-01 Carbon dioxide sensitivity and psychopathology
- ** R01MH-25844-01 Community organization and psychiatric disorder (Israel)
- ** R03MH-25879-01 Socio-psychological effects of an earthquake
- R01MH-26092-01 Dangerousness and psychiatric commitment study
- ** R01MH-30152-00 Conference on psychiatric residential milieu
- R01MH-40008-00 Mental health services to flood victims-Pennsylvania
- R01NS-10711-02 Genetic study of metabolism of neural transmitters (human, mice)
- R01RR-00030-13 0117 General clinical research center - Cerebral response to oxygenation in organic dementia (human)

PSYCHOLOGY ABNORMAL, MENTAL DISORDERS CHEMOTHERAPY

SEE ALSO ALCOHOLISM - DRINKING, ALCOHOLISM TREATMENT AND REHABILITATION, CHEMOTHERAPY

SEE ALSO DRUGS ABUSE, DRUGS ADDICTION TREATMENT AND REHABILITATION, CHEMOTHERAPY

SEE ALSO PSYCHOPHARMACOLOGY

- R18AA-00088-02 Tetapip alcoholism prevention and rehabilitation
- ** R01AA-00183-03 Influence of acute alcoholism on brain injury (dogs, monkeys)
- ** R01AA-00190-02 Beta-adrenergic blockade in alcoholism treatment (human)
- ** R01AA-00199-03 Beta adrenergic blocking agents in treatment of alcoholism (human)
- M R01AA-00311-03 Metabolic and psychological factors in alcoholism
- ** R01AA-00498-03 0009 Clinical studies of alcohol use and abuse - Sleep indices and 5-hydroxytryptophan effects in prognosis of alcoholism (human)
- ** R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic
- R01AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs
- R01AA-01217-01 Investigations of experimental alcohol dependence
- ** R01AM-15162-03 Factors affecting renal lithium elimination (human, rats)
- R01DA-00895-01 Clinical pharmacology of narcotic antagonists (human)
- M R01DA-01057-01 Drugs of abuse-Pharmacokinetics, metabolism and response
- ** R01DA-01057-01 0001 Drugs of abuse-Pharmacokinetics, metabolism and response - Stimulant drugs and minimal brain dysfunction (children)
- R01DA-01057-01 0003 Drugs of abuse-Pharmacokinetics, metabolism and response - Methadone maintenance, pharmacokinetics and response (human)
- R01DA-40130-00 Services to narcotic addicts (human)
- R01DA-40151-00 Services to narcotic addicts and drug abusers (human)
- R01DA-40184-00 Services to narcotic addicts
- R01DA-40190-00 Survey of new techniques for the treatment of drug abusers
- R01DA-40191-00 Services to narcotic addicts and drug abusers (human)
- R01DA-40200-00 Services to narcotic addicts
- P11GM-15431-08 0036 Research center for clinical pharmacology and drug toxicology - Plasma levels, efficacy and side effects of phenothiazines (human)
- ** P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)
- ** P11GM-15956-07 0036 Factors affecting the responses to drugs - Placental transfer of lithium and effects on the newborn (goats)
- P01HD-02528-08 0075 Research center in mental retardation - Molecular bases of mental retardation (rats)
- P01HD-02528-08 0082 Research center in mental retardation - Effect of central nervous system stimulants on hyperactive children
- R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
- P01HD-06276-03 0024 Mental retardation research program - EEG-behavioral correlations in hyperkinetic children
- ** P01HD-06276-03 0030 Mental retardation research program - Tryptophan in Down's syndrome (children)
- P01HD-06276-03 0053 Mental retardation research program - CSF dynamics in hydrocephalus (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

**** R10MH-03030-15** Improved clinical screening of
phenotropic drugs (human)

R01MH-04618-12 Psychotherapy of psychiatric outpatients

R10MH-04665-14 Childrens psychopharmacology unit

R10MH-04669-14 0001 Controlled drug evaluation -
Behavioral effects of L-dopa in schizophrenic patients

R10MH-04669-14 0002 Controlled drug evaluation -
Response threshold to L-dopa in psychiatric patients

R10MH-04669-14 0003 Controlled drug evaluation -
Antinuclear factor in psychiatric patients

R10MH-04669-14 0004 Controlled drug evaluation -
Plasma renin response to lithium in psychiatric patients

R10MH-04669-14 0005 Controlled drug evaluation -
Possible role of chlorpromazine metabolites in
schizophrenia therapy

R10MH-04669-14 0007 Controlled drug evaluation -
Rebound phenomena in manic patients following
physostigmine

R10MH-08240-11 Drug-screening program for drug-
resistant schizophrenics

P01MH-08618-10 0048 Biological studies of psychotic
disorders - Psychopharmacology and dopaminergic and
cholinergic systems (human)

R01MH-08954-10 Methodology of outpatient drug research
(human)

**** R01MH-08957-10** Early drug evaluation in neurotic
outpatients

**** R01MH-08958-10** Early drug evaluation in neurotic
outpatients

R01MH-11894-09 0007 Comprehensive behavioral studies -
Rehabilitation of monkey psychopathologies

R01MH-12007-08 0004 Psychoactive phenolic amine
analysis - Indole-acetic acids in CSF on depressed patients

R01MH-12007-08 0005 Psychoactive phenolic amine
analysis - Problems in analysis of psychoactive drugs

R01MH-12507-09 Electrophysiological studies of psychiatric
disorder

P01MH-13002-06 0036 Clinical and laboratory studies of
affective disorder - Antidepressant drugs (human)

P01MH-13002-06 0037 Clinical and laboratory studies of
affective disorder - Energy metabolism and induced
convulsions (mice, monkeys)

P01MH-13002-06 0048 Clinical and laboratory studies of
affective disorder - Mass spectrometry-Tricyclic
antidepressants (human)

R01MH-13512-07 Phenothiazine effects on acute
schizophrenic behavior (human)

**** R01MH-13738-07** Drug therapy of depressed outpatients

**** R01MH-16631-05** Drug and family therapy in depressed
outpatients

M P01MH-16674-06 A program of psychiatry-oriented
biological research

P01MH-16674-06 0017 A program of psychiatry-oriented
biological research - Histamine metabolism in mental
illness

P01MH-16674-06 0019 A program of psychiatry-oriented
biological research - Amantadine HCL in treatment of
hyperkinetic syndrome (children)

R01MH-16789-04 Evaluation of a community mental health
program

R01MH-17436-05 Psychopharmacology of the lithium ion
(human, rats, dogs)

**** R01MH-17654-04** Patient profiles and differential response
to drugs

R01MH-17728-05 Follow-up of maintenance treatment for
depression (human)

R01MH-17968-05 Chlorpromazine metabolism in acute
schizophrenia (human)

R01MH-18055-05 Telemetered EEG, behavior and mental
state (human, monkeys)

**** R01MH-18070-05** Experimental depression induced in
infant monkeys

R01MH-18180-05 Outpatient pediatric psychopharmacology

R01MH-18332-05 Temporal organization in behavior and
development (human)

R01MH-18391-04 Sleep psychophysiology and
psychopathology (human)

R01MH-18579-04 Comparative drug effects in hyperkinetic
children

**** R01MH-18846-03** Outcome of crisis intervention treatment

**** R01MH-18949-04** Central neurophysiology of the functional
psychoses (human, animals)

R01MH-19477-03 Psychomotility and cognitive style in the
schizophrenias

R01MH-19883-03 Rehabilitation of elderly tenants of a
welfare hotel

R12MH-20123-03 Community alternatives for treatment of
schizophrenia

R01MH-20321-03 Phenothiazine and schizophrenic thought
disorder (human)

R01MH-20478-03 Behavior mechanisms of drug action in
schizophrenia (human)

R01MH-20593-03 Short versus long hospitalization- A
controlled study

**** R01MH-20756-02** Factors associated with drug therapy for
hyperactivity (human)

R01MH-21337-02 Drugs in the aftercare treatment of
schizophrenia

P01MH-21586-02 Biogenetic studies of the affective
disorders

R01MH-21638-03 Psychotropic drugs and brain
norepinephrine metabolism (human)

R01MH-21890-02 Intensive inpatient psychiatric monitoring
program

R01MH-21892-02 Biochemical studies of depression in
primate models

P01MH-22916-02 0008 Personality and psychotherapy -
Patient variables related to psychotherapy

R01MH-24104-02 Histamine metabolism in mental illness
(human)

M R01MH-24393-02 MHPG excretion, catecholamine
metabolism, and depression

R01MH-24393-02 0001 MHPG excretion, catecholamine
metabolism, and depression - Effects of Imipramine upon
urinary excretion of catecholamine metabolites (human)

R01MH-24393-02 0002 MHPG excretion, catecholamine
metabolism, and depression - Clinical pharmacology
studies

R01MH-24393-02 0003 MHPG excretion, catecholamine
metabolism, and depression - Clinical characteristics of
depression associated with decreased MHPG excretion

R01MH-24908-01 Schizophrenia and EEG signal analysis

R01MH-24976-01 NIMH-PRB collaborative study of long
acting fluphenazine

R01MH-24978-01 NIMH-PRB collaborative study on long
acting fluphenazine

R01MH-25116-01 MAO, DBH and ATPase in psychosis
(human)

R01MH-25133-02 0003 Steroid hormones in depressive
illness - 24 Hour cortisol secretory patterns in affective
disorders (human)

R01MH-25258-01 Comparative treatment of emotional
problems of aging

R01MH-25444-01 Drugs, aggression and neurochemistry
(mice)

**** R01MH-25504-01** Neuroleptics and antidepressants on
central MAO neurons

M P01MH-25515-01 Collaborative biological research on
schizophrenia

**** P01MH-25515-01 0018** Collaborative biological research on
schizophrenia - Gamma-aminobutyric acid agonists in the
treatment of schizophrenia

P01MH-25515-01 0022 Collaborative biological research on
schizophrenia - Transmethylation in schizophrenics who
'respond' to methionine loading

R01MH-25546-01 Psychotherapy of depression-Computer
outcome measures

R01MH-25669-01 Neurophysiological studies in high risk
children

R03MH-25822-01 Carbon dioxide sensitivity and
psychopathology

R10MH-26196-01 Analysis-Collaborative outpatient
schizophrenia

P01MS-09199-04 0003 Effect of L-dopa on synthesis of
amines in brain (human, animals) - Catecholamines
metabolism in Parkinsons (human)

P01MS-09287-04 0013 Baylor center for cerebrovascular
research - Neuropsychological studies in cerebrovascular
disease and dementias (human)

**** M01RR-00030-13 0124** General clinical research center -
Gerovital H3 for depressed elderly

M01RR-00043-14 0079 General clinical research center -
Thyrotropin releasing hormone as an antidepressant
(human)

M01RR-00048-13 0026 Clinical center - Effect of
neurotransmitters on human memory

M01RR-00052-13 0045 General clinical research center for
children - A new treatable form of schizophrenia

M01RR-00053-13 0005 Clinical research center - Influence
of antidepressants on cortisol metabolism (human)

M01RR-00053-13 0025 Clinical research center - Cortisol
production in mania (human)

M01RR-00055-13 0101 General clinical research center -
Non-discriminating avoidance escape procedure-
chlorpromazine study (human)

M01RR-00060-13 0036 General clinical research center -
Imipramine and methylphenidate in hyperactive children

M01RR-00070-12 0055 General clinical research center -
Use of 5-hydroxytryptophan in narcolepsy (human, cats)

M01RR-00071-11 0025 General clinical research center -
Biochemistry of catecholamines in emotional disorders
(human)

M01RR-00076-12 0106 General clinical research center -
alpha acylmethadol and methadone for rehabilitation of
heroin addicts

M01RR-00076-12 0107 General clinical research center -
Beta adrenergic blocking agents in treatment of alcoholism
(human)

M01RR-00076-12 0108 General clinical research center -
Double blind study of naltrexone hydrochloride (human)

M01RR-00096-14 0060 Clinical research center - Effects of
TRH on childhood schizophrenia

M01RR-00096-14 0063 Clinical research center - Effects of
TRH in manic depressive psychosis (human)

M01RR-00109-11 0036 General clinical research center -
Evaluation of antidepressant activity of BW66-323 in
depressed patients

M01RR-00240-10 0067 General clinical research center-
Children - Psychosomatic aspects in juvenile diabetes

M01RR-00262-09 0028 General clinical research center -
Treatment of depression in relative of patient with
catastrophic illness (human)

M01RR-00318-08 0063 General clinical research center -
Neuroendocrinologic aspects of haloperidol (human)

M01RR-00334-08 0024 General clinical research center -
Naloxone therapy for opiate dependence

M01RR-00336-08 0076 General clinical research center -
R-0-5 3350 for treatment of neuroses (human)

M01RR-00336-08 0079 General clinical research center -
Efficacy of imipramine and clomipramine in treatment of
depression (human)

M01RR-00865-01 0023 General clinical research center -
Methadone absorption in narcotic-tolerant-dependent
humans

PSYCHOLOGY ABNORMAL, NEURASTHENIA

R01MH-24889-01 Community based program for mentally
frail elderly

PSYCHOLOGY ABNORMAL, NEUROSIS

SEE ALSO PSYCHOLOGY ABNORMAL, EMOTIONAL DISORDERS,
DEPERSONALIZATION

**** R01MH-04618-12** Psychotherapy of psychiatric outpatients

R01MH-08954-10 Methodology of outpatient drug research
(human)

**** R01MH-08957-10** Early drug evaluation in neurotic
outpatients

**** R01MH-08958-10** Early drug evaluation in neurotic
outpatients

R01MH-12279-09 0001 Drug studies with women, elderly
and groups - Premenstrual tension

**** R01MH-12507-09** Electrophysiological studies of psychiatric
disorder

R01MH-18396-03 Myopathy of psychosis and
psychotomimetic drugs (human, rats, monkeys)

R01MH-20369-03 Effectiveness of individual psychotherapy

R01MH-23441-01 Adult adjustment predicted from
childhood assessment

R03MH-25060-01 Electrodermal measures of neuroticism
and extraversion (human)

NO1MH-40002-00 Technical reports on NIMH research
programs and projects

**** NO1MH-40080-00** Chronically mentally ill in prepaid
practice programs

**** M01RR-00336-08 0076** General clinical research center -
R-0-5 3350 for treatment of neuroses (human)

M01RR-00645-03 0040 Clinical research center -
Gonadotropins, ACTH and sex hormones in sex development
disorders (human)

PSYCHOLOGY ABNORMAL, NEUROSIS, ANXIETY

SEE ALSO PSYCHOLOGY, EMOTIONS, ANXIETY

SEE ALSO PSYCHOLOGY ABNORMAL, NEURASTHENIA

P02CA-06518-11 0028 Radiation and radiobiology research
center - Psychological factors after remission following
radiotherapy

P01HD-00668-16 0008 Aging and the aged - Physical,
psychological, and social effects of aging (human)

R01MH-05202-13 Comprehensive clinical studies of
psychoactive drugs (human)

NO1MH-10065-02 Clinical evaluation studies of
antidepressants

P01MH-13002-06 0034 Clinical and laboratory studies of
affective disorder - Taxonomy of psychiatric diagnosis

**** R01MH-16128-06** Early clinical drug evaluation unit

R01MH-19972-04 Blind psychiatric family and follow-up
study

R01MH-22590-02 Impact of instruction and counseling of
youth

**** R01MH-24070-01** Biofeedback and habituation rates in
chronic anxiety

**** R01MH-25101-01** Therapy of anxiety-A new
psychophysiological approach

**** P01MS-09199-04 0002** Effect of L-dopa on synthesis of
amines in brain (human, animals) - Psychiatric effects of
L-dopa (human)

**PSYCHOLOGY ABNORMAL, NEUROSIS,
CYCLOTHYMIA**

M P01MH-13002-06 Clinical and laboratory studies of
affective disorder

P01MH-13002-06 0035 Clinical and laboratory studies of
affective disorder - Follow-up of adolescents with affective
disorders

R01MH-20712-03 Adoption studies on affective disorder
(human)

**PSYCHOLOGY ABNORMAL, NEUROSIS,
DEPRESSIVE**

SEE ALSO PSYCHOLOGY, EMOTIONS, DEPRESSION

**** P01MH-11668-09 0015** Psychosocial factors in health and
disease - Identification of clinical depression by
symptomatic behavior

M P01MH-13002-06 Clinical and laboratory studies of
affective disorder

P01MH-13002-06 0018 Clinical and laboratory studies of
affective disorder - The psychiatric emergency room

P01MH-13002-06 0019 Clinical and laboratory studies of
affective disorder - Onset of affective disorders in a normal
population

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- PO1MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
- ** PO1MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men
- ** PO1MH-13002-06 0031 Clinical and laboratory studies of affective disorder - Attempted suicide-Treatment and outcome
- PO1MH-13002-06 0034 Clinical and laboratory studies of affective disorder - Taxonomy of psychiatric diagnosis
- PO1MH-13002-06 0035 Clinical and laboratory studies of affective disorder - Follow-up of adolescents with affective disorders
- PO1MH-13002-06 0038 Clinical and laboratory studies of affective disorder - Brain specific monoamine oxidase-Suicide vs normal
- ** PO1MH-13002-06 0043 Clinical and laboratory studies of affective disorder - Proteins of CNS and affective disorders (human)
- ** PO1MH-13002-06 0046 Clinical and laboratory studies of affective disorder - Mass spectrometry-New brain compounds (human)
- RO1MH-14383-05 Altered clinical states
- RO1MH-16544-04 Neonatal factors in serious mental disorder (human)
- RO1MH-19734-04 Isoenzymes of monoamine oxidase in developing brain (human, chick embryo)
- RO1MH-20712-03 Adoption studies on affective disorder (human)
- RO1MH-21350-01 Circadian rhythm uncoupling and affect disease
- PO1MH-22836-02 Children and families vulnerable to mental disorders
- RO1MH-24105-01 Parameters of low-energy electroconvulsive therapy (human)
- ** RO1MH-24393-02 0003 MHPG excretion, catecholamine metabolism, and depression - Clinical characteristics of depression associated with decreased MHPG excretion
- RO1MH-24884-01 Psychiatric epidemiology in Rhode Island
- ** MO1RR-00040-14 0076 General clinical research center - Manic-depression, recurrent depression and indole-catechol free diet (human)
- MO1RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)

PSYCHOLOGY ABNORMAL, NEUROSIS, DISSOCIATIVE REACTION

- ** R12AA-00209-07 0005 Washington University Alcoholism Research Center - State-dependent effects of alcohol in chronic alcoholics
- PO1CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
- RO1HD-08492-01 Effects of exchange transfusion in premature infants (human)
- M RO1MH-03859-13 Developmental-interactive aspects of hypnosis
- ** RO1MH-03859-13 0003 Developmental-interactive aspects of hypnosis - Hypnotic behavior and the hypnotic state
- ** RO1MH-04920-12 Circadian patterns of normal and pathological functions (rats)

PSYCHOLOGY ABNORMAL, NEUROSIS, HYPOCHONDRIASIS

- PO1MH-11668-09 0089 Psychosocial factors in health and disease - Psychic syndromes presenting with somatic complaints

PSYCHOLOGY ABNORMAL, NEUROSIS, HYSTERIA

- PO1MH-11668-09 0089 Psychosocial factors in health and disease - Psychic syndromes presenting with somatic complaints
- PO1MH-13002-06 0034 Clinical and laboratory studies of affective disorder - Taxonomy of psychiatric diagnosis
- RO1MH-19972-04 Blind psychiatric family and follow-up study

PSYCHOLOGY ABNORMAL, NEUROSIS, OBSESSIVE-COMPULSIVE

- SEE ALSO PSYCHOLOGY, BEHAVIOR, COMPULSIVE
- SEE ALSO PSYCHOLOGY ABNORMAL, NEUROSIS, PHOBIAS
- R18AA-00551-01 Comprehensive Indian alcoholism and social services program
- ** RO1MH-24341-02 Cognitive response to psychological stress (human)

PSYCHOLOGY ABNORMAL, NEUROSIS, PHOBIAS

- ** RO1MH-10993-10 Fear modification and learned autonomic control (human)
- ** PO1MH-11668-09 0045 Psychosocial factors in health and disease - Cognitive aspects of fear in phobias
- RO1MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
- PO1MH-22916-02 0007 Personality and psychotherapy - Dynamic and behavioral psychotherapy
- PO1MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy
- RO1MH-23007-02 Imipramine behavior therapy and phobia

- ** RO3MH-25657-01 Evaluating self-administered desensitization
- RO3MH-25736-01 Actor-observer differences in attributions of causality

PSYCHOLOGY ABNORMAL, PERSONALITY DISORDERS (GENERAL)

- SEE ALSO PSYCHOLOGY ABNORMAL, NEUROSIS
- R12AA-00209-07 0006 Washington University Alcoholism Research Center - Psychological and physicochemical correlates of alcoholic blackouts
- RO1AA-01372-01 Natural history of alcohol abuse (urban males)
- PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- RO1MH-19477-03 Psychomotility and cognitive style in the schizophrenias
- ** PO1MH-22156-02 The inexpressive male (human)
- RO1MH-23441-01 Adult adjustment predicted from childhood assessment
- RO1MH-24992-01 Development of a curriculum in pediatric psychology

PSYCHOLOGY ABNORMAL, PSYCHOPHYSIOLOGIC DISORDERS

- SEE ALSO GASTROINTESTINAL DISORDERS, PEPTIC ULCER
- SEE ALSO NUTRIENT INTAKE DISORDERS
- SEE ALSO PSYCHOLOGIC STRESS
- SEE ALSO SEX DISORDERS
- RO1AA-00253-04 Ethanol dependence-Behavior and physiology (rats, monkeys)
- RO1CA-14104-02 Suicide and other coping behavior of cancer patients
- ** PO1EY-00523-13 0003 Sensory disease clinical research center (eye disorders) - Psychiatric and ocular evaluation of children with ocular conversion reactions
- RO1HD-00325-18 0004 Longitudinal and related psychohormonal studies - IQ gain in reversible hypsomatotropinism (psychosocial dwarfism)
- RO1HD-00325-18 0006 Longitudinal and related psychohormonal studies - Therapeutic effect of antiandrogen on sex offenders
- ** RO1HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome
- ** RO1HD-05665-03 Relocation in old age-Health and psychosocial impact
- ** RO1HD-07351-02 Determinants of sexual performance in the rat
- RO1HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
- RO1HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
- P17HL-14150-04 0011 Specialized center of research in hypertension - Exercise in the rhesus monkey
- ** P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
- ** RO1HL-14906-02 Behavioral tactics for clinical cardiac control
- ** RO1HL-15399-02 Behavioral factors in coronary heart disease
- RO1HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
- RO1HL-15790-02 Follow-up study of acute coronary heart attacks
- M PO1MH-05519-13 Psychosomatic clinical research center
- RO1MH-07995-11 0001 Heart rate conditioning - Hypertensives exposed to stress reaction time tasks (human)
- RO1MH-07995-11 0004 Heart rate conditioning - Experimental hypertension using shock avoidance procedures (dogs)
- ** RO1MH-10179-09 Regulation of food intake (monkeys)
- ** RO1MH-11299-10 Emotion and pulmonary function in asthma (human)
- M PO1MH-11668-09 Psychosocial factors in health and disease
- PO1MH-11668-09 0001 Psychosocial factors in health and disease - Behavior and gastric secretion in gastric fistula subjects
- PO1MH-11668-09 0005 Psychosocial factors in health and disease - Conservation-withdrawal
- PO1MH-11668-09 0006 Psychosocial factors in health and disease - Permanent cardiac pacemakers
- PO1MH-11668-09 0007 Psychosocial factors in health and disease - Identical twins with leukemia
- PO1MH-11668-09 0010 Psychosocial factors in health and disease - Psychosocial aspects of hemodialysis and renal transplantation
- PO1MH-11668-09 0012 Psychosocial factors in health and disease - Behavior of patients treated for myocardial infarct during intensive care
- PO1MH-11668-09 0015 Psychosocial factors in health and disease - Identification of clinical depression by symptomatic behavior
- ** PO1MH-11668-09 0018 Psychosocial factors in health and disease - Medical education
- PO1MH-11668-09 0026 Psychosocial factors in health and disease - Women with ischemic stroke

- PO1MH-11668-09 0027 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at Kodak plant
- PO1MH-11668-09 0030 Psychosocial factors in health and disease - The grieving process
- PO1MH-11668-09 0031 Psychosocial factors in health and disease - Grieving-A ten year study after multiple deaths from accident
- PO1MH-11668-09 0032 Psychosocial factors in health and disease - Life crisis involving hysterectomy or abortion
- PO1MH-11668-09 0034 Psychosocial factors in health and disease - Psychological adaptation in multiple sclerosis
- PO1MH-11668-09 0035 Psychosocial factors in health and disease - Psychosocial factors in leprosy
- ** PO1MH-11668-09 0036 Psychosocial factors in health and disease - Behavioral correlations of carcinomatous changes in cervix
- PO1MH-11668-09 0039 Psychosocial factors in health and disease - Conversion as a prelude to multiple sclerosis
- ** PO1MH-11668-09 0040 Psychosocial factors in health and disease - Psychosomatic disorders among university students
- PO1MH-11668-09 0045 Psychosocial factors in health and disease - Cognitive aspects of fear in phobias
- PO1MH-11668-09 0047 Psychosocial factors in health and disease - Arteriosclerosis-Differentiation of 'vascular' and 'non-vascular' population
- PO1MH-11668-09 0048 Psychosocial factors in health and disease - Arteriosclerosis-Women with myocardial infarction
- PO1MH-11668-09 0049 Psychosocial factors in health and disease - Arteriosclerosis-Peripheral vascular disease
- PO1MH-11668-09 0050 Psychosocial factors in health and disease - Arteriosclerosis-Developmental determinants of the pressured pattern
- PO1MH-11668-09 0057 Psychosocial factors in health and disease - Ulcerative colitis-Characteristics and illness patterns in patients over 50
- ** PO1MH-11668-09 0062 Psychosocial factors in health and disease - Evaluation of effectiveness in teaching clinical observation
- PO1MH-11668-09 0063 Psychosocial factors in health and disease - Outcome of induced abortion of wanted pregnancy
- PO1MH-11668-09 0064 Psychosocial factors in health and disease - Psychiatric registry follow-up of hysterectomy or sterilization
- PO1MH-11668-09 0066 Psychosocial factors in health and disease - Psychosocial factors in long term survival in neoplasia
- PO1MH-11668-09 0067 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at other than Kodak plant
- PO1MH-11668-09 0068 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct-Sudden death
- PO1MH-11668-09 0069 Psychosocial factors in health and disease - Morbidity and mortality related to reactions during cardiac catheterization
- PO1MH-11668-09 0070 Psychosocial factors in health and disease - Psychologic and hormonal reaction to hemolysis and renaltransplantation
- PO1MH-11668-09 0071 Psychosocial factors in health and disease - Sexual behavior in patients with hemodialysis and renal transplantation
- PO1MH-11668-09 0072 Psychosocial factors in health and disease - Donor selection for renal transplantation
- PO1MH-11668-09 0073 Psychosocial factors in health and disease - Myocardial infarct-Morbidity and mortality in widows
- PO1MH-11668-09 0080 Psychosocial factors in health and disease - Drug usage in pregnant teenagers
- PO1MH-11668-09 0082 Psychosocial factors in health and disease - Determinants of conception in women with 2 or more living children
- ** PO1MH-11668-09 0083 Psychosocial factors in health and disease - Rheumatoid arthritis
- ** PO1MH-11668-09 0085 Psychosocial factors in health and disease - Sequelae of induced abortion
- ** PO1MH-11668-09 0089 Psychosocial factors in health and disease - Psychic syndromes presenting with somatic complaints
- ** PO1MH-11668-09 0090 Psychosocial factors in health and disease - Giving-up and disease onset in a 'non-sick' population
- ** PO1MH-11668-09 0101 Psychosocial factors in health and disease - Diagnostic criteria of conversion
- RO1MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
- ** PO1MH-13002-06 0025 Clinical and laboratory studies of affective disorder - Affective disorders and functional GI symptoms
- RO1MH-15867-05 Crisis intervention-Model for prevention (human)
- M RO1MH-15976-05 Stress and mechanisms of immunity
- RO1MH-15976-05 0001 Stress and mechanisms of immunity - Cellular and humoral aspects of antibody formation and graft vs host response (r
- RO1MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

R01MH-15976-05 0003 Stress and mechanisms of immunity - Effect of hypothalamic stimulation and ablation (rats)

** R01MH-16929-06 The developmental effects of early maternal separation (rats)

R01MH-19884-03 Treatment of asthma by behavior therapy

R01MH-21144-03 Treatment of asthma through conditioning

** R01MH-21294-03 Hypnosis, suggestion and psychocutaneous effects

** R01MH-21336-03 Families of children with psychosomatic problems

** R01MH-21384-03 Psychologic and neural factors in cardiac arrhythmias (dogs, human)

R03MH-22532-01 Voluntary control of respiratory resistance (human)

** P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment

R01MH-23533-01 Early experience, development, and adaptation (rats, mice)

R12MH-23864-02 CRB NIMH collaborative depression studies II-SADS

R01MH-24063-01 Effect of relaxation-mediation in early hypertension

R01MH-24222-02 Behavior therapy and relaxation training in asthma (human)

R03MH-24394-01 Comparison of two methods of blood pressure control (human)

R01MH-24884-01 Psychiatric epidemiology in Rhode Island

R03MH-24967-01 History of psychophysiology and psychosomatic medicine

R01MH-24992-01 Development of a curriculum in pediatric psychology

R01MH-25258-01 Comparative treatment of emotional problems of aging

R01MH-25350-01 Learned control of acid secretions in ulcer patients

R01MH-25551-01 Mental health R and D center in black communities

R01MH-26098-01 Stress, crowding and blood pressure in prison

M01MH-40002-00 Technical reports on NIMH research programs and projects

** M01RR-00062-12 0024 Clinical research center, children - Use of conditioning in pediatric problems

** M01RR-00095-14 0062 General clinical research center - Neurobehavioral and clinical responses to hemodialysis (human)

** M01RR-00125-11 0232 General clinical research center-adult-child - Psychophysiological and psychopathologic disorders in first five years

** M01RR-00229-09 0036 General clinical research center - Vasopressin release mechanism (human)

** M01RR-00240-10 0067 General clinical research center-Children - Psychosomatic aspects in juvenile diabetes

M01RR-00240-10 0068 General clinical research center-Children - Anorexia nervosa

M01RR-00240-10 0069 General clinical research center-Children - Psychosomatic aspects of asthma

M01RR-00722-02 0005 General Clinical Research Center - Mineralocorticoid metabolism in hypertension and catecholamine production (human)

** M01RR-00827-01 0022 General clinical research center - Long term study of low back pain

PSYCHOLOGY ABNORMAL, SEX DEVIATION

** R18AA-00760-01 Stonewall-alcoholic rehabilitation

** R01HD-00325-18 0007 Longitudinal and related psychohormonal studies - Voluntary amputation and selfmutilation as a paraphilia

R12MH-19348-04 Core support program for research dissemination

** R01MH-21304-03 Philadelphia assault victim study

** R01MH-21803-02 Behavioral treatment of childhood gender problems

** M01RR-00626-02 0069 General clinical research center - Assessment procedures for sexual disorders

** M01RR-00626-02 0070 General clinical research center - Analysis of fantasies of sexual deviants

** M01RR-00626-02 0071 General clinical research center - Altering sexual fantasies as treatment of sexual deviation

PSYCHOLOGY ABNORMAL, SEX DEVIATION, HOMOSEXUALITY

R01GM-19227-03 Determination of steroids in blood (human)

** R01MH-20258-03 Modification of deviant behavior

** M01RR-00626-02 0051 General clinical research center - Behavioral modification-Homosexuality (human)

** M01RR-00626-02 0072 General clinical research center - Short term effects of sexual arousal on testosterone in homo and heterosexual me

PSYCHOLOGY ABNORMAL, SEX DEVIATION, MASOCHISM

** R01MH-23607-02 Experimental masochism and allied phenomena (rats)

PSYCHOLOGY ABNORMAL, SEX DEVIATION, TRANSEXUALISM

SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS

SEE ALSO REPRODUCTIVE SYSTEM SURGERY, SEX REASSIGNMENT

** M01RR-00626-02 0079 General clinical research center - Modification of sex role attitudes and behaviors in transsexuals

PSYCHOLOGY ABNORMAL, SEX OFFENSES

** R01HD-00325-18 0006 Longitudinal and related psychohormonal studies - Therapeutic effect of antiandrogen on sex offenders

R12MH-19348-04 Core support program for research dissemination

R01MH-25311-01 Gene-environment interactions and criminality

** R01MH-26130-01 Psychological impact of rape on the victim

PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS (GENERAL)

SEE ALSO CHLD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL, JUVENILE DELINQUENCY

SEE ALSO CHLD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL, RUNAWAYS

SEE ALSO PSYCHOLOGY ABNORMAL, SEX OFFENSES

SEE ALSO PSYCHOLOGY ABNORMAL, SOCIOPATHIC PERSONALITY

** R01AA-00232-06 Socialization of problem behavior in youth

R01AA-00495-02 Development of a structural evaluation of drunk drivers

R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic

** R03AA-00634-01 Alcohol and physical aggression (human)

R01DA-00722-01 9-Tetrahydrocannabinol and aggression

R01HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome

R01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology

** R01HD-04335-06 Brain-behavior relationships in mental retardation

R01HD-05080-04 Clinical and chromosomal variation in 1900 children

R01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)

R01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)

** R01HD-06276-03 0031 Mental retardation research program - The phenomenon of unrelatedness (children)

R01HD-06911-02 Population density and human behavior in Chicago

** M01MH-10098-01 Community data in detection of behavioral outbreaks

** R01MH-15985-06 Intervention in low base rate social behaviors of boys

** R01MH-16674-06 0029 A program of psychiatry-oriented biological research - Alterations in primate social behavior following infusion of dopamine

R01MH-17565-03 0007 Genetics of the XY phenomena in man - Psychiatric investigations of XY patients

** R01MH-18516-03 Treatment of childhood behavior problems

** R01MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome-Recovery determinants

** R01MH-20410-03 Two-environment modification of problem child behavior

** R01MH-21035-03 Clinical prediction and treatment of episodic violence

R01MH-21577-02 Behavior control of drug-induced aggression (rats)

R01MH-21644-02 Group reaction to a shifting attitudinal deviate

R01MH-21813-03 Behavior therapy-Professional and paraprofessional

** R01MH-22156-02 The inexpressive male (human)

** R01MH-24656-01 The psychology of Black Gangs-Mental illness or mental health

R01MH-25585-01 Televised violence and tolerance of aggression

R03MH-25881-01 Comparative analysis of rates of violent crimes

R01MH-26092-01 Dangerousness and psychiatric commitment study

** N01MH-40029-00 Security and other special hospitals for mentally disordered offenders (human)

S01RR-05583-10 General research support (medical school)

** R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic

** R03AA-00634-01 Alcohol and physical aggression (human)

R01DA-00722-01 9-Tetrahydrocannabinol and aggression

R01HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome

R01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology

** R01HD-04335-06 Brain-behavior relationships in mental retardation

R01HD-05080-04 Clinical and chromosomal variation in 1900 children

R01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)

R01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)

** R01HD-06276-03 0031 Mental retardation research program - The phenomenon of unrelatedness (children)

R01HD-06911-02 Population density and human behavior in Chicago

** M01MH-10098-01 Community data in detection of behavioral outbreaks

** R01MH-15985-06 Intervention in low base rate social behaviors of boys

** R01MH-16674-06 0029 A program of psychiatry-oriented biological research - Alterations in primate social behavior following infusion of dopamine

R01MH-17565-03 0007 Genetics of the XY phenomena in man - Psychiatric investigations of XY patients

** R01MH-18516-03 Treatment of childhood behavior problems

** R01MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome-Recovery determinants

** R01MH-20410-03 Two-environment modification of problem child behavior

** R01MH-21035-03 Clinical prediction and treatment of episodic violence

R01MH-21577-02 Behavior control of drug-induced aggression (rats)

R01MH-21644-02 Group reaction to a shifting attitudinal deviate

R01MH-21813-03 Behavior therapy-Professional and paraprofessional

** R01MH-22156-02 The inexpressive male (human)

** R01MH-24656-01 The psychology of Black Gangs-Mental illness or mental health

R01MH-25585-01 Televised violence and tolerance of aggression

R03MH-25881-01 Comparative analysis of rates of violent crimes

R01MH-26092-01 Dangerousness and psychiatric commitment study

** N01MH-40029-00 Security and other special hospitals for mentally disordered offenders (human)

S01RR-05583-10 General research support (medical school)

** R01AA-00498-03 0014 Clinical studies of alcohol use and abuse - Alcohol-violence clinic

** R03AA-00634-01 Alcohol and physical aggression (human)

R01DA-00722-01 9-Tetrahydrocannabinol and aggression

R01HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome

R01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology

** R01HD-04335-06 Brain-behavior relationships in mental retardation

R01HD-05080-04 Clinical and chromosomal variation in 1900 children

R01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)

R01HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)

** R01HD-06276-03 0031 Mental retardation research program - The phenomenon of unrelatedness (children)

R01HD-06911-02 Population density and human behavior in Chicago

** M01MH-10098-01 Community data in detection of behavioral outbreaks

** R01MH-15985-06 Intervention in low base rate social behaviors of boys

** R01MH-16674-06 0029 A program of psychiatry-oriented biological research - Alterations in primate social behavior following infusion of dopamine

R01MH-17565-03 0007 Genetics of the XY phenomena in man - Psychiatric investigations of XY patients

** R01MH-18516-03 Treatment of childhood behavior problems

** R01MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome-Recovery determinants

** R01MH-20410-03 Two-environment modification of problem child behavior

** R01MH-21035-03 Clinical prediction and treatment of episodic violence

R01MH-21577-02 Behavior control of drug-induced aggression (rats)

R01MH-21644-02 Group reaction to a shifting attitudinal deviate

R01MH-21813-03 Behavior therapy-Professional and paraprofessional

** R01MH-22156-02 The inexpressive male (human)

** R01MH-24656-01 The psychology of Black Gangs-Mental illness or mental health

R01MH-25585-01 Televised violence and tolerance of aggression

R03MH-25881-01 Comparative analysis of rates of violent crimes

R01MH-26092-01 Dangerousness and psychiatric commitment study

** N01MH-40029-00 Security and other special hospitals for mentally disordered offenders (human)

S01RR-05583-10 General research support (medical school)

PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS, LARCENY

R01MH-25311-01 Gene-environment interactions and criminality

PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS, SELF-DESTRUCTIVE BEHAVIOR

** R01AA-00458-03 Identifying and treating the self-destructive drinker

** R01HD-00325-18 0007 Longitudinal and related psychohormonal studies - Voluntary amputation and selfmutilation as a paraphilia

** P01HD-02528-08 0081 Research center in mental retardation - Metabolic correlates to self-destructive behavior (children)

P01HD-02528-08 0088 Research center in mental retardation - Experimental analysis of memory deficits of retarded and deaf children

R01MH-11440-07 Experimental studies in childhood schizophrenia

R01MH-19989-04 Classification and assessment of suicidal behaviors (human)

** R01MH-20696-02 Self-destruction among prison inmates

** R01MH-23607-02 Experimental masochism and allied phenomena (rats)

R01MH-26092-01 Dangerousness and psychiatric commitment study

R01MS-11921-01 Somatosensory systems-Central pain (macaques)

M01RR-00261-09 0029 General clinical research center - The de Lange syndrome (human)

PSYCHOLOGY ABNORMAL, SOCIOPATHIC PERSONALITY

SEE ALSO ALCOHOLISM - DRINKING, ALCOHOLISM

SEE ALSO DRUGS ABUSE, DRUGS ADDICTION

SEE ALSO PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS (GENERAL)

R01AA-00498-03 0012 Clinical studies of alcohol use and abuse - Alcoholism-Genetic aspects (human)

R01AA-01441-01 Factors maintaining drinking in alcoholic families

P01MH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder

P01MH-13002-06 0034 Clinical and laboratory studies of affective disorder - Taxonomy of psychiatric diagnosis

R01MH-16544-04 Neonatal factors in serious mental disorder (human)

R01MH-19972-04 Blind psychiatric family and follow-up study

** R01MH-20367-03 Dangerousness, due process and the criminally insane

PSYCHOLOGY ABNORMAL, SUICIDE

SEE ALSO SUICIDE PREVENTION REVIEW COMMITTEE

** R12AA-00209-07 0001 Washington University Alcoholism Research Center - Aging, suicide, and alcoholism-Comparison between Whites and Blacks

R07AJ-10050-14 0004 International center for medical research - Social and behavioral sciences (human)

P02CA-05837-12 0004 Cancer clinical research - Epidemiologic oncology (human)

R01HD-04753-05 Factors in youth predisposing to chronic diseases

R01HD-08031-01 Density and pathology in urban areas

P01MH-13002-06 0011 Clinical and laboratory studies of affective disorder - Brain biochemistry

** P01MH-13002-06 0028 Clinical and laboratory studies of affective disorder - Completed suicide and the menstrual cycle

** P01MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men

R01MH-18864-04 Epidemiology of achievement and psychiatric status

N01MH-20180-00 Computer assisted instructional system in suicide studies

N01MH-20206-00 Epidemiologic study of mortality associated with mental disorders

** R01MH-20628-03 Controlled study of an anti-suicide program

R01MH-20681-02 Community mental health epidemiology-Nashville, Tennessee

R01MH-20741-03 Hospital emergency overdose identification

** R01MH-22644-02 Volunteer phone counselors-A study of altruists

** R01MH-24180-01 Certification of suicide deaths in the United States

R01MH-24902-01 Evaluative study of callers to a crisis hotline

** R01MH-25080-01 Depressive states and suicide prevention

** R13MH-25786-01 Miniconsultation on the mental and physical health of black women

R01MH-26092-01 Dangerousness and psychiatric commitment study

N01MH-30027-00 Mental health services to residents of flood disaster areas

N01MH-30028-00 Mental health services to residents of flood disaster areas

N01MH-40008-00 Mental health services to flood victims-Pennsylvania

PSYCHOLOGY DEVELOPMENTAL (CHILD MENTAL DEVELOPMENT)

SEE CHLD MENTAL DEVELOPMENT

PSYCHOLOGY DEVELOPMENTAL ANIMAL

R01HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)

P01HD-04510-06 Center for research in human development

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01HD-07054-01 Developmental aspects of passive avoidance learning (rats)
- R01HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
- R01MH-16870-06 Behavioral and endocrine coordination in mammals (mice, hamsters)
- R01MH-18144-04 The varied response to mother-loss in two species (monkeys)
- R01MH-23533-01 Early experience, development, and adaptation (rats, mice)
- R03MH-23956-01 Social development of primates

PSYCHOLOGY EDUCATIONAL (GENERAL)

- SEE ALSO EDUCATION
SEE ALSO PSYCHOLOGY, LEARNING
SEE ALSO PSYCHOLOGY, PERFORMANCE
- M P01HD-01136-10 Center for research in human learning
 - P01HD-01136-10 0004 Center for research in human learning - Cognition
 - P01HD-01136-10 0008 Center for research in human learning - Instruction (children, adults)
 - ** P01HD-03008-07 0010 Cognition and motivation in the retarded - Effects of success and failure on learning of normal and retarded children
 - M P01HD-03144-07 Development of culturally deprived children
 - R01HD-05354-04 Four preschool programs-Dimension and effects-II
 - P01HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
 - ** P01HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesias
 - ** R01MH-15828-06 0007 Research in human information processing - Learning and education
 - R01MH-21010-03 Strategies for change and knowledge utilization (education)
 - R01MH-22358-02 Bridge program-Year-round psycho-educational program
 - ** R01MH-24940-01 Non-verbal mediators of teacher expectancy effects

PSYCHOLOGY OCCUPATIONAL

- SEE ALSO HEALTH CARE SERVICES, PATIENT CARE
PERSONNEL RELATIONS
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
SEE ALSO HEALTH SCIENCES PROFESSIONS, HEALTH PERSONNEL PERFORMANCE
SEE ALSO OCCUPATIONS, JOB PERFORMANCE
SEE ALSO OCCUPATIONS, JOB SATISFACTION
SEE ALSO OCCUPATIONS, VOCATIONAL GUIDANCE
- R01AA-00494-03 Supervisory reactions to alcohol problems and policies
 - ** P01HD-03352-07 0035 Wisconsin center on mental retardation - Rehabilitation related to work adjustment and social skills
 - P01HD-05876-03 0030 Center for population research - Demography of the life cycle
 - ** R01MH-21568-03 Group stress and the use of power
 - R01MH-23676-02 Employee participation in ownership and management (Peru)

PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL...)

- SEE ALSO FAMILY
SEE ALSO PSYCHOLOGY, ATTITUDES, BELIEFS
SEE ALSO PSYCHOLOGY, ATTITUDES, MORALS
SEE ALSO PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS (GENERAL)
SEE ALSO PSYCHOSOCIAL ISOLATION-DEPRIVATION
- R01AA-00185-03 Drinking and social stress in driving of young adults
 - P01AA-00212-06 0006 Oklahoma center for alcohol related studies - Cognitive functioning in alcoholism (human)
 - R01AA-00232-06 Socialization of problem behavior in youth
 - R01AA-00495-02 Development of a structural evaluation of drunk drivers
 - ** R01AA-00498-03 0001 Clinical studies of alcohol use and abuse - Assessing psychotherapeutic and community environments
 - R18AA-01257-01 A critical review of research on social factors in alcoholism
 - ** R07A-10050-14 0004 International center for medical research - Social and behavioral sciences (human)
 - R01DA-00119-03 Soc-psych profiles on drug abusers in therapeutic community
 - ** R01DA-00738-01 Psycho-social precursors of heroin use in Puerto Rico
 - R25DA-00818-01 Early drug abuse intervention
 - ** P01DA-01097-01 0004 Center for socio-cultural research on drug use - Health and psychosocial factors in drug behavior
 - P01DA-01097-01 0015 Center for socio-cultural research on drug use - Comparative study of drug behavior in Israel
 - P01GM-20124-02 0011 Center for human genetics and inherited disease - Genetic counseling-Demand, supply and quality
 - P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)

- R01HD-04135-06 Developmental-integrative investigation (human)
- R01HD-04863-05 Social development after malnutrition in infancy (monkeys)
- P01HD-05027-05 0009 Developmental psychology - Social comparison processes
- R01HD-05665-03 Relocation in old age-Health and psychosocial impact
- R01HD-05853-03 Pregnancy, birth control and abortion (human)
- P01HD-05876-03 0030 Center for population research - Demography of the life cycle
- R01HD-07396-02 Household formation, fertility, and market activity
- ** R01HD-07806-01 Marital intensity-A clinical and cross-cultural study
- ** N01HD-12028-04 Study social psychological correlates of urban fertility
- N01HD-12215-04 Growth of Mexican-American families
- ** P01HL-09814-09 0002 Research program- Cardiovascular and related disease - Socio-psychological health factors, coronary heart disease and precursors (human)
- R01HL-13329-04 Stress and heredity factors related to blood pressure (human)
- P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
- P18HL-16008-02 0009 Wayne State University comprehensive sickle cell center - Natural history of sickle cell anemia
- ** R01MH-06275-12 Social and psychological factors in status attainment (human)
- P01MH-08667-10 0011 A longitudinal epidemiology of impaired competence - Color conformity and the mentally retarded-Social pressure
- N01MH-10098-01 Community data in detection of behavioral outbreaks
- R01MH-10328-10 Measurement of untreated psychiatric disorder
- ** R01MH-12780-04 Japanese American research project
- P01MH-13369-07 Program for research in psychiatric sociology
- R01MH-14052-05 System of corrective interventions in a research population (human)
- R01MH-15521-06 Problem solving behavior of family groups (human)
- R01MH-15606-07 Adaptive behavior in varied high school environments
- R01MH-16621-05 Social mobility in Philadelphia
- R01MH-16952-05 Interpersonal control processes (human)
- R01MH-17159-05 Interorganizational relationships and consequences
- R01MH-18013-04 Geel (Belgium) foster family care research project
- ** R01MH-18060-05 (human) The permanent community sample
- R01MH-18542-04 Community-controlled sanctions in an urban poverty area
- R01MH-19069-04 Social class differences in community behavior (human)
- R01MH-19712-03 Social change in plural society (Andean Peru)
- R01MH-21196-03 Cultural indicators
- R01MH-22294-02 Measuring morale and related concepts
- R01MH-22322-02 Typological description of suicidal behavior
- ** R01MH-22743-02 Structural properties of social phenomena
- R01MH-23144-02 Quantitative analysis of police encounters (human)
- R01MH-24197-02 Social inferences and television effects on children
- R03MH-24347-01 Compensation in nonverbal immediacy behaviors
- ** R03MH-24718-01 Social effects in a choice reaction time paradigm
- R03MH-25130-01 Analysis of data on educational change (human)
- ** R03MH-25406-01 Urban social psychology-A network approach
- ** R01MH-25614-01 Linguistic heterogeneity and social function
- R03MH-25736-01 Actor-observer differences in attributions of causality
- N01MH-40005-00 Volunteer services
- R02NJ-00376-04 Commune health education (young adults)
- R02NJ-00413-02 Structural effects on nursing practice (human)

PSYCHOLOGY SOCIAL, COMPETITION

- R01HD-03234-06 Effects of moral inconsistency upon children
- R01HD-03778-06 The development of social motivation (dogs)
- R01HD-08468-01 Competition in two species (mice)
- R01LM-00911-03 Scientific communication within medical research
- P01MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
- R01MH-16621-05 Social mobility in Philadelphia

- R01MH-16899-05 Development of behavior and genetics (mice)
- R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
- R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
- R03MH-24556-01 Construct validation of fear of success in females

PSYCHOLOGY SOCIAL, COOPERATION

- SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, INTERNATIONAL COOPERATION
- R18AA-00113-03 Project for mobilizing labor support for alcoholism
 - R01HD-08546-01 Crowding and development of spatial behavior (adults, children)
 - ** P16HS-00472-06 0011 Health services research center - Cooperation and management in chronic disease (human)
 - P16HS-00472-06 0039 Health services research center - Community-wide hypertension detection and treatment program
 - ** R01HS-00541-03 Interorganizational networks of urban health services
 - R01HS-00889-03 Experiments in communication of medical information
 - ** R01HS-01189-02 Help-seeking experiences and agency characteristics
 - R01LM-00911-03 Scientific communication within medical research
 - ** R01MH-17495-03 Cooperative interracial contact and attitude change
 - R01MH-19589-01 Comparative study of communal living arrangements
 - R01MH-22249-02 Desegregation and prejudice
 - R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
 - R01MH-23676-02 Employee participation in ownership and management (Peru)
 - R01MH-23793-01 Rejuvenating the asylum (children)
 - R01MH-23814-02 Tenant organizations-Mobilization and consequences
 - ** R03MH-25062-01 Tracking of preference for cooperation in human dyads
 - R03MH-25143-01 The impact of cooptation of coalitional action
 - R02NJ-00472-02 Cooperation in home dialysis triads and patient outcomes

PSYCHOLOGY SOCIAL, GROUP PROCESSES

- SEE ALSO SOCIAL CHANGE
SEE ALSO SOCIAL GROUPS
- R25DA-00174-03 Drug education course for public school personnel
 - R25DA-00546-03 Coordinated inter-agency drug abuse training
 - R25DA-00977-01 Micosuknee Indian drug education program
 - P01HD-02274-08 0033 Mental retardation and child development - Experimental education unit
 - P01HD-04335-06 Brain-behavior relationships in mental retardation
 - R01HD-04602-05 Geels and conditions of population control (human)
 - R01HL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)
 - P01MH-10006-10 0001 Research center for quantitative psychology - Human decision behavior
 - R01MH-15606-07 Adaptive behavior in varied high school environments
 - R01MH-16125-06 Family mental health-Diffusing community strategies
 - R01MH-18646-03 Developmental approach to community change
 - R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
 - ** R01MH-20221-02 Methods to promote growth in marital relationships
 - ** R01MH-21312-03 0025 Endocrinological determinants of behavior - Role of motherhood in social dynamics (macaques)
 - R01MH-22743-02 Structural properties of social phenomena
 - R01MH-23516-02 Information integration in juror judgments
 - R01MH-23793-01 Rejuvenating the asylum (children)
 - ** R01MH-23814-02 Tenant organizations-Mobilization and consequences
 - ** R03MH-24466-01 Legitimation, incongruity, and influence hierarchies (human)
 - ** R03MH-24502-01 Comparison of several classroom management systems
 - R12MH-24924-01 Exploration of a social change model
 - R03MH-25016-01 Effect of mass media on children's sex-role behaviors
 - ** R01MH-25374-01 Experimental studies in minority influence II (human)
 - R03MH-25659-01 Socially induced flight reactions (birds)
 - ** R03MH-26166-01 Social interactions in natural populations (mice)
 - N01MH-40222-00 Comprehensive planning activity and a group problem solving process

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PO1MS-11601-01 Special clinical center for communications research (children)

PSYCHOLOGY SOCIAL, GROUP PROCESSES, AUTHORITY

R01HD-02228-08 Family socialization and development competence

R01LM-00911-03 Scientific communication within medical research

R01MH-21568-03 Group stress and the use of power

R03MH-24466-01 Legitimation, incongruity, and influence hierarchies (human)

R03MH-24502-01 Comparison of several classroom management systems

** R01MH-24754-01 Power and compliance in the family

R01MH-24814-01 Attitudes as inferences from one's own behavior

** R03MH-25510-01 Authority patterns in three-generation families

** R02NU-00423-02 Nurse autonomy and patient welfare

PSYCHOLOGY SOCIAL, GROUP PROCESSES, LEADERSHIP

SEE ALSO PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL DOMINANCE

R18AA-00567-03 USET-Education in comprehensive alcoholism programs

R18AA-01390-01 Youth leadership and alcohol education

R01MH-18646-03 Developmental approach to community change

R01MH-18813-04 Group integration and behavioral change (human)

R01MH-19069-04 Social class differences in community behavior (human)

** R01MH-21568-03 Group stress and the use of power

R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)

R03MH-24466-01 Legitimation, incongruity, and influence hierarchies (human)

R03MH-24502-01 Comparison of several classroom management systems

** R03MH-25143-01 The impact of cooptation of coalitional action

R01MH-25431-01 Epidemiology of acceptance of mental health services

R01MH-25438-01 Talent in interpersonal exploration groups (human)

R02NU-00343-05 School of nursing research development grant

PSYCHOLOGY SOCIAL, GROUP PROCESSES, PEER GROUPS

R18AA-00510-03 Chemawa alcoholism education program

** R01DA-00064-03 Family processes in adolescent drug use

** R25DA-00172-03 Peer-oriented drug abuse educational network

R01DA-00800-01 The worlds of work and drugs

R25DA-00818-01 Early drug abuse intervention

R25DA-00827-01 Pilot demonstration drug training program

R01DA-00877-01 Generalizability of behavioral assessment (human)

R25DA-00931-01 Drug abuse prevention program

R01DA-01061-01 Analysis of a three year adolescent drug-use survey

** P01DA-01097-01 0002 Center for socio-cultural research on drug use - Peer/family influence on drug use

P01DA-01097-01 0010 Center for socio-cultural research on drug use - Critical panel study

P01DA-01097-01 0015 Center for socio-cultural research on drug use - Comparative study of drug behavior in Israel

P01HD-03144-07 0021 Development of culturally deprived children - Development of parent and peer home tutor program procedures

P01HD-03617-06 Intergenerational studies of development and aging (human)

** P01HD-05027-05 0007 Developmental psychology - Peer influence

R01HD-06264-03 Sociopsychological aspects of promarital conception

R01HD-07369-01 Generality and correlates of egocentrism in children

** P1GHS-00472-06 0038 Health services research center - Testing peer and utilization review in an ambulatory case setting

R01MH-11894-09 0006 Comprehensive behavioral studies - Social attachment (Rhesus monkeys)

P01MH-12972-08 0010 Research program in personality assessment - Small group sociometry (human)

R01MH-15828-06 0001 Research in human information processing - Judgement in children

R01MH-18070-05 Experimental depression induced in infant monkeys

R01MH-21312-03 0012 Endocrinological determinants of behavior - Early social conditions and development of sexuality dimorphic behaviors (monkeys)

R01MH-21312-03 0013 Endocrinological determinants of behavior - Hermaphroditism and sexually dimorphic behavior (rhesus monkeys)

R01MH-21312-03 0014 Endocrinological determinants of behavior - Gender role characteristics and social context (rhesus monkeys)

R01MH-21312-03 0015 Endocrinological determinants of behavior - Development of dimorphic behaviors in castrated male rhesus

R01MH-21344-02 Home vs hospital care of behavior disordered children

R03MH-21481-01 Development of youth-directed multi-service center

R01MH-21854-02 Social antecedents of acts of interpersonal violence

R01MH-22358-02 Bridge program-Year-round psycho-educational program

R01MH-22923-03 Correlates of success in experimental college

R01MH-23023-03 Automobile accidents in youth-A psychosocial study

R01MH-23248-02 Mechanisms of generalized behavior change (human)

R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)

R01MH-23527-02 Role of similarity in social influence processes

R01MH-23645-02 0004 Behavior-hormone changes in adolescence - Attachment patterns (chimpanzee)

R01MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)

R03MH-24502-01 Comparison of several classroom management systems

R01MH-24656-01 The psychology of Black Gangs-Mental illness or mental health

** R01MH-24824-01 The growth of peer social interaction in play groups

R01MH-24874-01 Social behavior of communally reared children

R01MH-25617-01 Alternative inner city policy

PSYCHOLOGY SOCIAL, GROUP PROCESSES, ROLE

SEE ALSO PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL STATUS

R18AA-00178-03 Family of alcoholics-Communication and control

R01DA-00974-01 Psychosocial study of Qat use in North Yemen

P01HD-01136-10 0004 Center for research in human learning - Cognition

P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology

** P01HD-05027-05 0003 Developmental psychology - Role taking and communication skills

** R01HD-06084-02 Role definitions and potential for change (human)

R01HD-06266-02 Psychological factors and fertility behavior in women

R01HD-06750-03 Personal constructs, aging, and impression formation

R01HD-07024-02 Prediction of family-planning intentions and behavior

** R01HD-07323-01 Motivation, roles and family planning of women

R01HD-07369-01 Generality and correlates of egocentrism in children

R01HD-07412-02 Fertility motivation and career conflict in women

R01HD-07739-01 Decision making on unplanned pregnancies

** R01HD-07856-01 Role induction in pregnancy (human)

R01HD-08112-01 Socioeconomic determinants of US post-war natality

R01HD-12038-04 Attitudinal factors affecting family size

** R01HD-22038-03 Role and fertility patterns of urban mothers

R01HD-22701-03 The employed woman-family planning career

R01HD-22754-03 Study of family, career and sexuality

R18HS-01366-02 0003 Physician-extender primex - Role relationships between nurses and physicians

R01MB-44172-00 Roles and function of physician's assistants

** R01MH-13864-07 Principles of primate social organization

R01MH-15521-06 Problem solving behavior of family groups (human)

R01MH-16952-05 Interpersonal control processes (human)

** R01MH-18958-02 Social activism and the mental health workers role

R01MH-19589-01 Comparative study of communal living arrangements

R01MH-21139-03 Social class and communication style in marriage

R01MH-21146-03 Stepfathers and the mental health of their children

** R01MH-21312-03 0014 Endocrinological determinants of behavior - Gender role characteristics and social context (rhesus monkeys)

R01MH-21568-03 Group stress and the use of power

** R01MH-21735-03 The behavioral consequences of androgyny (human)

R01MH-21803-02 Behavioral treatment of childhood gender problems

R01MH-21929-02 Volunteerism in the lives of women

R01MH-22424-02 The causes and consequences of credibility in TV news

R01MH-22575-01 Divorce, role and health status and service systems

R01MH-23030-02 Structure, functions, and impact on urban communes

R01MH-23144-02 Quantitative analysis of police encounters (human)

R01MH-23468-01 Women's liberation-Is the definition class-bound?

R01MH-24220-01 Social and cultural dimensions of aging

R01MH-24305-02 A typical sex role development in children

R01MH-24754-01 Power and compliance in the family

R01MH-24807-01 Marriage, female roles, and marital disruption

R01MH-24858-01 Strengths-weakness in Black female headed families

R01MH-24887-01 Attitudes of married women towards work and families

R03MH-25016-01 Effect of mass media on children's sex-role behaviors

** R01MH-25171-01 Sustaining the sick role-A study of labeling

R01MH-25215-01 Patterns of competence in pre-school girls

** R01MH-25271-01 Secondary analysis of sex roles data (human)

R01MH-25553-01 Pre college social development program

R03MH-25736-01 Actor-observer differences in attributions of causality

R03MH-25815-01 Development of role- and conceptual perspective-taking (children)

** R03MH-25921-01 Language use and political interaction (Turkey)

R01MH-25935-01 Social competence and behavior style in mental patients

R01MH-26141-01 Diversion-A study of alternative processing practices

P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia

R02NU-00405-03 A descriptive study of the patient-hospital interface (human)

** N01NU-14073-03 Role of nurse as family health worker

N01NU-24000-04 Evaluate role and effectiveness of family nurse practitioner

M01RR-00626-02 0079 General clinical research center - Modification of sex role attitudes and behaviors in transsexuals

PSYCHOLOGY SOCIAL, GROUP PROCESSES, SENSITIVITY TRAINING GROUPS

** R01MH-24791-01 Impact of an encounter experience on psychotherapy

PSYCHOLOGY SOCIAL, GROUP PROCESSES, SMALL GROUPS

R01AA-01441-01 Factors maintaining drinking in alcoholic families

** P01MH-12972-08 0010 Research program in personality assessment - Small group sociometry (human)

R01MH-16037-06 Home learning center approach to early stimulation (children)

** R01MH-16950-06 Group decision-making involving risk

R01MH-21568-03 Group stress and the use of power

** R01MH-21644-02 Group reaction to a shifting attitudinal deviate

** R03MH-24668-01 Cross-cultural study of decision making

R03MH-25143-01 The impact of cooptation of coalitional action

R01MH-25268-01 Minority prison community-Perceptions and practices

R01MH-25438-01 Talent in interpersonal exploration groups (human)

R03MH-25779-01 Change in a correctional facility for delinquents

PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL DISTANCE

P01HD-03008-07 0018 Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners

R01HD-06921-02 Language attitudes of bilingual Chicanos

R01HD-08546-01 Crowding and development of spatial behavior (adults, children)

** R01MH-16927-03 Stigma and the community care of the psychiatric patient

R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships

R01MH-21644-02 Group reaction to a shifting attitudinal deviate

PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL DOMINANCE

SEE ALSO PSYCHOLOGY SOCIAL, GROUP PROCESSES, LEADERSHIP

P01HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques

P01HD-08338-01 0001 Control of male reproduction - Testosterone and gonadotropins in development of aggression (mice)

R03MH-24466-01 Legitimation, incongruity, and influence hierarchies (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** R01MH-25536-01 Attributions of social power

PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL STATUS

R03AA-01408-01 Drinking patterns in two Lumbee Indian communities

R01AI-10587-02 Epidemiology and history of urinary tract infections

R01DA-00787-01 Mental health and drug use in adolescence

R01DA-00852-01 Predicting drug use by Harlem youth- feasibility study

** P01DE-01697-12 0024 Interdisciplinary studies in cleft palate - Social status of teenagers with clefts and other minority groups

R01HD-06110-03 Urbanization, life style and fertility (Italy, US)

R01HD-06281-03 Change of attitudes toward population policy issues

R01HD-06457-02 Imposed and induced learning activities of children

R01HD-06750-03 Personal constructs, aging, and impression formation

R01HD-06921-02 Language attitudes of bilingual Chicanos

R01HD-06971-02 Observed paternal behavior with preschool children

R01HD-07369-01 Generality and correlates of egocentrism in children

R01HD-08251-01 Land inheritance and birth rate among European peasants (Austria)

** R01HD-08577-01 Cross-cultural study of treatment of the aged

R01HL-15399-02 Behavioral factors in coronary heart disease

** R01MH-06275-12 Social and psychological factors in status attainment (human)

R01MH-12780-04 Japanese American research project

P01MH-13369-07 Program for research in psychiatric sociology

R01MH-15521-06 Problem solving behavior of family groups (human)

R01MH-16621-05 Social mobility in Philadelphia

R01MH-18819-04 Precursors of suicide and other premature deaths

R01MH-20221-02 Methods to promote growth in marital relationships

R01MH-21929-02 Volunteerism in the lives of women

** R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)

R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)

** P01MH-23861-02 0031 Biogenic amines and behavior - Relation of urinary amines to social processes (monkeys)

R03MH-25143-01 The impact of cooptation of coalitional action

R01MH-25266-01 Personal well-being and environmental factors

R01MH-25536-01 Attributions of social power

R03MH-25921-01 Language use and political interaction (Turkey)

PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS

SEE ALSO HEALTH CARE SERVICES, PATIENT CARE PERSONNEL RELATIONS

SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS

SEE ALSO PSYCHOLOGY, GAME THEORY

R18AA-00178-03 Family of alcoholics-Communication and control

** R01AA-00311-03 0010 Metabolic and psychological factors in alcoholism - State dependent phenomena in social interactions and related cognition

P02CA-12247-03 0030 Pediatric oncology center - Social services

R25DA-00931-01 Drug abuse prevention program

** R01DA-01119-01 Family characteristics and therapy of heroin addict

P01DE-01697-12 0021 Interdisciplinary studies in cleft palate - Expressive language abilities in cleft children

P01HD-00668-16 0019 Aging and the aged - Arousal pattern in structural interpersonal setting-Age related difference (men)

P01HD-00870-11 0009 Communication research with retarded children - Extralinguistic communication

** P01HD-01799-09 0044 Mental retardation research center - Development of social and interpersonal skills in childhood

** P01HD-02274-08 0157 Mental retardation and child development - Staff interpersonal relationships

P01HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)

P01HD-03110-07 0022 Child development and mental retardation - Family research program

R01HD-04135-06 Developmental-integrative investigation (human)

R01HD-04335-06 Brain-behavior relationships in mental retardation

** P01HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)

P01HD-04510-06 0004 Center for research in human development - Institute of social deviancy and youth

P01HD-04510-06 0011 Center for research in human development - Psychobiology laboratory (quail, monkeys)

R01HD-04598-05 Cognitive development

** P01HD-05027-05 0003 Developmental psychology - Role taking and communication skills

P01HD-05027-05 0005 Developmental psychology - Mother-infant interaction

** R01HD-06264-03 Sociopsychological aspects of premarital conception

R01HD-06750-03 Personal constructs, aging, and impression formation

R01HD-07806-01 Marital intensity-A clinical and cross-cultural study

N01HD-42803-02 Effect of birth order on mother-child relationship

P18HL-15160-03 0007 Comprehensive sickle cell disease center - Socioeconomic aspects of sickle cell disease

R01HL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)

R01MH-11976-10 Communication through nonverbal behavior

** R01MH-16728-05 Cognitive development and cognitive socialization

** R01MH-16952-05 Interpersonal control processes (human)

R01MH-17405-05 Determinants of aggressive behavior (human)

R01MH-18135-04 Self-image and family dynamics in transplantation (human)

** R01MH-19029-03 Nonverbal interethnic encounters in urban settings

R01MH-19712-03 Social change in plural society (Andean Peru)

** R01MH-19784-02 Depression-A clinical-research approach

R01MH-20169-03 Antecedents and consequences of perceived freedom (human)

R01MH-20214-04 Parent education program in the pediatric clinic

R01MH-20221-02 Methods to promote growth in marital relationships

R01MH-20245-03 Transactional analysis of families of schizophrenics

** R01MH-20660-03 Physical distance and social interactions (human)

** R01MH-20696-02 Self-destruction among prison inmates

R01MH-20757-02 Research on violence prevention by police

R12MH-21191-03 Developmental consequence of extreme social isolation (human)

R01MH-21415-01 Mental health and poor families communications

** R01MH-21574-02 Symptom tolerance and recidivism (human)

R01MH-21644-02 Group reaction to a shifting attitudinal deviate

R01MH-21735-03 The behavioral consequences of androgyny (human)

R01MH-21854-02 Social antecedents of acts of interpersonal violence

R01MH-21863-02 Relation of suicide to marital separation and divorce

R01MH-22127-02 Personal causation and development of responsibility

R01MH-22358-02 Bridge program-Year-round psycho-educational program

R01MH-22644-02 Volunteer phone counselors-A study of altruists

R01MH-22799-01 Evaluating marriage counseling intervention strategies

R01MH-22807-01 An experimental evaluation of a PARD program

R01MH-23030-02 Structure, functions, and impact on urban communes

** R01MH-23144-02 Quantitative analysis of police encounters (human)

** R01MH-23527-02 Role of similarity in social influence processes

R01MH-23793-01 Rejuvenating the asylum (children)

** R03MH-24347-01 Compensation in nonverbal immediary behaviors

R01MH-24902-01 Evaluative study of callers to a crisis hotline

R01MH-25268-01 and practices

R01MH-25298-01 Behavioral diagnostic methods for family

R01MH-25536-01 Attributions of social power

** R03MH-25825-01 Exposure, attraction, and affiliation (human)

** R03MH-25827-01 Interpersonal stereotyping-A cognitive approach

R03MH-25889-01 Emotion communication and aggressive delinquency

R01MH-25935-01 Social competence and behavior style in mental patients

PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS, DIADIC INTERACTION

R01HD-04482-05 Endocrine factors in social behavior (doves)

P01HD-05969-03 0013 Events that control fertilization - Sexual behavior of the male rhesus

R01HD-06367-03 Psychosocial development

R01HD-07268-01 Contraception, abortion and couple decision-making (Israel)

R01HD-08464-01 The development of aggressive behaviors (mice)

** R01MH-03859-13 0002 Developmental-interactive aspects of hypnosis - Interactive aspects of hypnosis

P01MH-11668-09 0015 Psychosocial factors in health and disease - Identification of clinical depression by symptomatic behavior

** R01MH-11894-09 0006 Comprehensive behavioral studies - Social attachment (Rhesus monkeys)

** P01MH-12972-08 0009 Research program in personality assessment - Individual differences in behavioral transitions (human)

R01MH-18565-04 Comparative study of social organization (damselfish)

R01MH-19156-04 The nature of hypnosis (human)

** R01MH-19506-03 0007 Hormones, the brain and primate behavior - Individual partner preferences

R01MH-19617-04 Quantitative studies of primate social groups (baboons)

R01MH-21989-03 Studies of psychological differentiation (human)

R01MH-22750-02 Modification of family interaction

R03MH-24698-01 Mathematical formalism for interpersonal interactions (human)

R01MH-23883-02 Varieties and functions of early social speech

R03MH-24614-01 Adult-child interaction and social valence

** R01MH-24698-01 Assessment of interpersonal behavior

R01MH-24824-01 The growth of peer social interaction in play groups

** R03MH-25062-01 Tracking of preference for cooperation in human dyads

R03MH-25699-01 Lexical analysis of dyadic language

R03MH-26049-01 Interracial perception and interaction

R02NU-00426-03 Information disclosures in nurse practice settings

PSYCHOLOGY SOCIAL, MORALE

R01MH-21669-03 Quality evaluation of mental health services

** R01MH-22294-02 Measuring morale and related concepts

PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT

SEE ALSO PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

R03AA-00104-01 Training alcoholics to become social drinkers

R01AA-00232-06 Socialization of problem behavior in youth

R01AA-00331-01 Alcohol use among Orange County Chicano groups

R18AA-00533-03 Alcohol awareness as it affects the Indian child

R18AA-00535-03 Upper Tanana region alcohol and drug program

R18AA-00543-03 Cheyenne-Arapaho alcoholic rehabilitation center

R18AA-00760-01 Stonewall-alcoholic rehabilitation

R18AA-00824-02 Children of alcoholics

** N01AA-40034-00 The drinking habits of teenagers in New York and Rome

R07AI-10050-14 0004 International center for medical research - Social and behavioral sciences (human)

R01AM-04837-14 Diet and mental development in galactosemia (human)

** R18CA-16404-01 0012 Cancer control development grant - Psycho-social rehabilitation in childhood cancer

** R01DA-00084-02 Effects of long term drug dependence (human)

** R01DA-00140-02 Psychosocial effects of chronic marijuana use (human)

R01DA-00787-01 Mental health and drug use in adolescence

R01DA-01053-01 Community variations in Chicano ex-addict adaptations

P02DE-02172-10 0005 Oral-facial communicative disorders - Psychology and sociology (human)

R01HD-00325-18 0011 Longitudinal and related psychohormonal studies - Families of reassigned transsexuals

** P01HD-02274-08 0033 Mental retardation and child development - Experimental education unit

** P01HD-02274-08 0160 Mental retardation and child development - Adjustment of children in special learning classes

P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology

M P01HD-03352-07 Wisconsin center on mental retardation

** P01HD-03352-07 0035 Wisconsin center on mental retardation - Rehabilitation related to work adjustment and social skills

P01HD-03617-06 Intergenerational studies of development and aging (human)

** P01HD-04147-06 0014 Research in mental retardation - Sociological research unit

R01HD-04634-04 Cognitive functions of retarded early adolescents

P01HD-05027-05 0005 Developmental psychology - Mother-infant interaction

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

PO1HD-05027-05 0007 Developmental psychology - Peer influence
 PO1HD-05540-03 0003 Development of the mentally retarded - Quality of life in residential facilities
 PO1HD-05540-03 0004 Development of the mentally retarded - Measurement of adaptive behavior
 ** RO1HD-05665-03 Relocation in old age-Health and psychosocial impact
 PO1HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 RO1HD-06830-03 Effect of therapeutic abortion on unmarried women
 RO1HD-07147-01 Migration and fertility behavior and attitudes
 ** RO1HD-07397-02 Population study of rural migrants in urban areas
 RO1HD-07881-01 Rural-urban migration and adaptation in Korea
 ** RO1HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
 ** PO1HL-09814-09 0032 Research program- Cardiovascular and related disease - Development and standardization of life-change rating scale
 ** PO1HL-09814-09 0034 Research program- Cardiovascular and related disease - Well-being and health factors
 ** PO1HL-09814-09 0035 Research program- Cardiovascular and related disease - Life-change study (human)
 RO1HL-15790-02 Follow-up study of acute coronary heart attacks
 ** P18HL-15996-02 0004 Cincinnati sickle cell anemia center - School adjustment of thirty sickle cell patients
 RO1HS-00368-12 Human population laboratory for epidemiologic studies
 ** PO1MH-08667-10 0013 A longitudinal epidemiology of impaired competence - Environmental enrichment for retardates
 ** RO1MH-09215-10 Mobile unit for child health supervision
 RO1MH-12888-08 Children with learning disabilities-A follow-up
 PO1MH-13002-06 0005 Clinical and laboratory studies of affective disorder - Studies of bereavement
 PO1MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men
 PO1MH-13369-07 Program for research in psychiatric sociology
 RO1MH-13738-07 Drug therapy of depressed outpatients
 RO1MH-14383-05 Altered clinical states
 RO1MH-14806-08 Maturational reform and rural delinquency (human)
 RO1MH-15521-06 Problem solving behavior of family groups (human)
 RO1MH-15606-07 Adaptive behavior in varied high school environments
 RO1MH-15708-05 Leisure and mental health-Cultural and age factors
 RO1MH-15867-05 Crisis intervention-Model for prevention (human)
 ** RO1MH-15985-06 Intervention in low base rate asocial behaviors of boys
 ** RO1MH-16139-02 Architecture and behavior-The mentally impaired aged (human)
 RO1MH-16852-06 Evaluation of project catch-up (human)
 RO1MH-18051-04 Aging and the use of community resources (human)
 RO1MH-18070-05 Experimental depression induced in infant monkeys
 RO1MH-18542-04 Community-controlled sanctions in an urban poverty area
 RO1MH-18762-04 Conditions facilitating successful rendering of help
 ** RO1MH-18813-04 Group integration and behavioral change (human)
 RO1MH-19642-04 Teaching mothers to alter interactions with children
 ** RO1MH-19706-03 Behavioral programs in learning activities for youth (human)
 RO1MH-20696-02 Self-destruction among prison inmates
 ** RO1MH-21145-02 Adjustment of children of schizophrenic parents
 ** RO1MH-21304-03 Philadelphia assault victim study
 RO1MH-22212-01 Adolescent and adult outcomes and child behavior
 RO1MH-22358-02 Bridge program-Year-round psycho-educational program
 RO1MH-22575-01 Divorce, role and health status and service systems
 ** PO1MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
 RO1MH-23262-02 Assimilation of Latin American minorities in the US
 ** RO1MH-23441-01 Adult adjustment predicted from childhood assessment
 RO1MH-23742-02 Release of dangerous mental patients-Dixon case
 R12MH-23924-01 Maintaining the growing edge (human)
 RO1MH-24014-02 Black families of prisoners
 RO1MH-24152-01 Epidemiology of and intervention for children at risk
 RO1MH-24959-01 Strategies of coping in institutional environments

RO1MH-25171-01 Sustaining the sick role-A study of labeling
 RO3MH-25263-01 Factors of assaultive behavior
 RO1MH-25268-01 Minority prison community-Perceptions and practices
 RO1MH-25438-01 Talent in interpersonal exploration groups (human)
 RO1MH-25525-01 Investment of self in an urban group
 ** RO1MH-25553-01 Pre college social development program
 RO1MH-25860-01 Social predictors of American mobility 1875-1915
 RO3MH-25891-01 Relative deprivation, militancy and aspirations
 ** RO1MH-25935-01 Social competence and behavior style in mental patients
 RO1MH-25996-01 Unseen community-Marginal urban population
 RO1MH-26141-01 Diversion-A study of alternative processing practices
 RO1MH-26207-01 Behavioral analysis & modification in a community mental health center
 RO1MH-26239-01 Human self regulation
 PO1MS-03360-14 0056 Neurological clinical research center-Epilepsy - EEG and prognosis (children)
 RO2HU-00472-02 Cooperation in home dialysis triads and patient outcomes
 MO1RR-00075-11 0061 General clinical research center for children - Effects of isolation of newborn infants in a sterile environment

PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR

RO1AA-00259-04 Behavioral treatment of alcoholism-Research and development (human)
 RO1AA-00293-03 Alcohol and behavior-A genetic and biochemical study (rodents, monkeys)
 RO1DA-00055-04 Therapeutic explorations with adolescents-Project community
 RO1DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)
 ** RO1DA-00105-03 Neuronal and social factors in the abuse of marihuana (rats)
 RO1DA-00135-03 THC and LSD-Residual effects on social behavior (monkeys)
 ** PO1DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man
 RO1DA-00388-01 Evaluation of sustained methadone ingestion (mammals)
 ** RO1DA-00700-01 Abused drugs and social behavior
 ** RO1DA-00877-01 Generalizability of behavioral assessment (human)
 ** RO1GM-20731-01 Genetic aspects of social behavior in hymenoptera
 PO1HD-00973-11 0077 Research program on retarded intellectual development - Intrinsic motivation in the primary school-Stimulus properties
 PO1HD-00973-11 0086 Research program on retarded intellectual development - Emotions as variables in learning and the development of social skills (monkeys)
 ** RO1HD-01107-11 Social and exploratory behavior in infants (human)
 ** PO1HD-01799-09 0044 Mental retardation research center - Development of social and interpersonal skills in childhood
 ** PO1HD-01799-09 0051 Mental retardation research center - Social consequences of handicapping
 ** PO1HD-02274-08 0012 Mental retardation and child development - Behavioral research (monkeys)
 ** PO1HD-02274-08 0121 Mental retardation and child development - Cardiovascular correlates of social and emotional behavior (human, monkeys)
 ** PO1HD-02274-08 0122 Mental retardation and child development - Shaping social behavior using electrical brain stimulation as a reward (monkeys)
 ** PO1HD-02274-08 0125 Mental retardation and child development - Effects of maternal contact prior to total isolation rearing (monkeys)
 PO1HD-02274-08 0126 Mental retardation and child development - Effects of social stimulation, varied sensory input in isolation (monkeys)
 ** PO1HD-02274-08 0129 Mental retardation and child development - Modification of isolation-induced abnormalities by drugs (monkeys)
 PO1HD-03110-07 0039 Child development and mental retardation - Early childhood education and demonstration
 ** PO1HD-03144-07 0012 Development of culturally deprived children - Language, social and preacademic skills in community day-care center
 PO1HD-03144-07 0013 Development of culturally deprived children - Maintaining school performance through continuing community center activities
 ** PO1HD-03144-07 0014 Development of culturally deprived children - Producing appropriate home behavior through community center intervention
 ** PO1HD-03144-07 0015 Development of culturally deprived children - Establishing neighborhood citizenship behavior by community-center instigation
 PO1HD-03144-07 0016 Development of culturally deprived children - Develop and refine achievement place model
 PO1HD-03144-07 0017 Development of culturally deprived children - Behavioral methodology modifying child behavior of urban families in home

PO1HD-03144-07 0018 Development of culturally deprived children - Teaching model for training inner-city school personnel and parents
 ** PO1HD-03144-07 0019 Development of culturally deprived children - Investigate effects of intensive classroom management procedures
 RO1HD-03234-06 Effects of moral inconsistency upon children
 PO1HD-03617-06 Intergenerational studies of development and aging (human)
 ** RO1HD-03778-06 The development of social motivation (dogs)
 ** RO1HD-04482-05 Endocrine factors in social behavior (doves)
 RO1HD-04484-04 Endocrine and neural bases of behavior (rats)
 ** RO1HD-04602-05 Goals and conditions of population control (human)
 PO1HD-05027-05 0012 Developmental psychology - Tool using behavior in children and infants
 PO1HD-05124-04 0002 Mental retardation-Behavioral and neurologic aspects - Total learning environment for autistic children
 ** PO1HD-05124-04 0008 Mental retardation-Behavioral and neurologic aspects - Stimulus control of social behavior
 ** RO1HD-05637-03 Reproductive cycles and social behavior of primates (monkeys)
 RO1HD-05952-03 Follow-up of abortion or motherhood in adolescence
 RO1HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 ** RO1HD-06084-02 Role definitions and potential for change (human)
 RO1HD-06110-03 Urbanization, life style and fertility (Italy, US)
 RO1HD-06279-03 Fertility extended familism and lifestyle in Cameroun
 ** RO1HD-06367-03 Psychosocial development
 RO1HD-06519-02 Social influence on children standards
 RO1HD-06914-02 Help giving behavior of children
 ** RO1HD-07071-01 Biochemical factors in behavioral sex differences
 ** RO1HD-07369-01 Generality and correlates of egocentrism in children
 RO1HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
 RO1HD-07649-01 Behavioral effects of early malnutrition in monkeys
 RO1HD-08063-01 Overcoming the adverse effects of prematurity
 RO1HD-08464-01 The development of aggressive behaviors (mice)
 ** RO1HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
 PO1HL-09814-09 0035 Research program- Cardiovascular and related disease - Life-change study (human)
 ** P17HL-14174-04 0006 Atherosclerosis behavioral and epidemiological studies - Behavioral component (human)
 RO1MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
 ** RO1MH-00776-21 Experimental analysis of imprinting (aquatic birds)
 RO1MH-02238-15 Childrens achievement development
 RO1MH-04000-14 Determinants of species-Specific behavior (dogs, rodents, quail)
 RO1MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
 RO1MH-04453-14 Early experience and behavior (birds, goats, deer, lemurs)
 ** RO1MH-06211-12 Postoperative recovery mechanisms and retention (rats)
 ** RO1MH-06671-11 The development of children's naturalistic concepts
 RO1MH-06830-13 Delay of gratification in choice situations (children)
 RO1MH-07809-11 A quantitative analysis of judgment (human)
 PO1MH-08667-10 0007 A longitudinal epidemiology of impaired competence - Foster care, retardard
 RO1MH-10179-09 Regulation of food intake (monkeys)
 RO1MH-11894-09 0002 Comprehensive behavioral studies - Nuclear family (Rhesus monkeys)
 RO1MH-11894-09 0005 Comprehensive behavioral studies - Social deprivation (Rhesus monkeys)
 ** RO1MH-11894-09 0006 Comprehensive behavioral studies - Social attachment (Rhesus monkeys)
 ** PO1MH-12568-08 0014 Neuropsychopharmacological studies of attention - Chronic amphetamine effects on social behavior in rats
 RO1MH-12780-04 Japanese American research project
 ** PO1MH-12972-08 0008 Research program in personality assessment - A social learning approach to sequential interaction (human)
 ** PO1MH-12972-08 0010 Research program in personality assessment - Small group sociometry (human)
 PO1MH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder
 ** RO1MH-13864-07 Principles of primate social organization
 ** RO1MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01MH-15008-06 Treatment deployment for chronic psychotics

** R01MH-15472-06 Determinants of childrens behavior in preschools

** R01MH-15707-07 Perception and behavior (reptiles)

** R01MH-15828-06 0004 Research in human information processing - Organization of attitudes

** R01MH-15965-04 Infant attachment and maternal loss (monkeys)

R01MH-16080-06 Ego development and the provenance of thought

R01MH-16345-06 Ecology and evolution of altruism (jays)

** R01MH-16727-09 Ethological studies of behavior (laughing gulls, clappertrails)

R01MH-16870-06 Behavioral and endocrine coordination in mammals (mice, hamsters)

** R01MH-16899-05 Development of behavior and genetics (mice)

** R01MH-17312-05 Antecedents of competence

** R01MH-17377-05 Early experience and development of behavior (rats)

** R01MH-17384-05 Physiological bases of social behavior (chickens)

R01MH-18565-04 Comparative study of social organization (damselfish)

** R01MH-19069-04 Social class differences in community behavior (human)

R01MH-19225-04 Perinatal brain damage and later antisocial behavior (human)

** R01MH-19506-03 0005 Hormones, the brain and primate behavior - Grooming activity

** R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships

R01MH-19506-03 0008 Hormones, the brain and primate behavior - Male attractant pheromones

** R01MH-19617-04 Quantitative studies of primate social groups (baboons)

R01MH-19715-04 Behavioral control by an imprinted stimulus (ducks)

** R01MH-19837-03 Behavioral and endocrine coordination (monkeys)

R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel

R01MH-19915-03 The development of a picture test of values (human)

R01MH-20030-04 Achievement place-Phase III (human)

R01MH-20190-03 Effect of gonadal hormones on behavior (rats, mice)

R01MH-20483-03 Aggressive behavior, dominance rank and testosterone (monkeys)

R01MH-20583-02 Pharmacotherapy of hyperactive children

** R01MH-20660-03 Physical distance and social interactions (human)

** R01MH-20743-03 The child's creative learning space

R01MH-20757-02 Research on violence prevention by police

R12MH-21191-03 Developmental consequence of extreme social isolation (human)

** R01MH-21204-02 Comparative historical study of urban public order

** R01MH-21312-03 0011 Endocrinological determinants of behavior - Effect of testosterone of infant female (monkeys, guinea pigs)

** R01MH-21312-03 0012 Endocrinological determinants of behavior - Early social conditions and development of sexually dimorphic behaviors (monkeys)

R01MH-21312-03 0013 Endocrinological determinants of behavior - Hermaphroditism and sexually dimorphic behavior (rhesus monkeys)

** R01MH-21312-03 0014 Endocrinological determinants of behavior - Gender role characteristics and social context (rhesus monkeys)

** R01MH-21312-03 0025 Endocrinological determinants of behavior - Role of motherhood in social dynamics (macaques)

R01MH-21423-03 Locus of control and intellectual development (children)

R01MH-21577-02 Behavior control of drug-induced aggression (rats)

R01MH-21735-03 The behavioral consequences of androgyny (human)

R01MH-21853-03 Rehabilitation program for delinquent Indian youth

R01MH-21854-02 Social antecedents of acts of interpersonal violence

R01MH-21892-02 Biochemical studies of depression in primate models

R01MH-21929-02 Volunteering in the lives of women

R01MH-21989-03 Studies of psychological differentiation (human)

** R01MH-22212-01 Adolescent and adult outcomes and child behavior

R01MH-22249-02 Desegregation and prejudice

** R01MH-22316-02 Comparative study of social behavior (birds)

R01MH-22682-03 Demonstration-Mental Health Program--Jr High Schools

P01MH-22836-02 Children and families vulnerable to mental disorders

P01MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy

R01MH-22995-02 Environment and experience-Children in home/day care

** R01MH-23008-02 Behavior and ecology of primates (monkeys)

R01MH-23023-03 Automobile accidents in youth-A psychosocial study

** R01MH-23248-02 Mechanisms of generalized behavior change (human)

R01MH-23419-02 Development of aggression and predation (mice)

R01MH-23542-02 Structural origins of sex differences in achievement (England)

R01MH-23556-02 Infant physiological and behavioral fear expression (human, cats)

R01MH-23593-01 Changing mass publics of advanced industrial society

M R01MH-23645-02 Behavior-hormone changes in adolescence

** R01MH-23645-02 0001 Behavior-hormone changes in adolescence - Natural environment (chimpanzee)

R01MH-23645-02 0002 Behavior-hormone changes in adolescence - Aggression, submission and reassurance (chimpanzee)

** R01MH-23645-02 0004 Behavior-hormone changes in adolescence - Attachment patterns (chimpanzee)

R01MH-23645-02 0005 Behavior-hormone changes in adolescence - Behavioral observational techniques (chimpanzee)

R01MH-23764-02 Employee participation in ownership and management (Peru)

R01MH-23742-02 Release of dangerous mental patients-Dixon case

R01MH-23786-01 Changing urban family roles

R01MH-23806-01 Correlates and consequences of ethnicity in the US

** R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)

R01MH-23814-02 Tenant organizations-Mobilization and consequences

P01MH-23861-02 0031 Biogenic amines and behavior - Relation of urinary amines to social processes (monkeys)

** R01MH-23863-02 Varieties and functions of early social speech

** R01MH-23886-02 The development of prosocial behavior in children

R03MH-23956-01 Social development of primates

R03MH-24096-01 Analysis of data related to ethology (reptiles)

** R01MH-24513-01 Long term behavioral effects of TV programs (children)

R12MH-24522-01 Research committee on television and social behavior

R03MH-24574-01 Deterrent effectiveness of legal sanctions

R01MH-24596-01 Coping with novelty-The roots of mastery or of fear

** R03MH-24614-01 Adult-child interaction and social valence

R03MH-24657-01 Stimulus properties of infant-adult interaction

R01MH-24795-01 Household settings-Life styles and mental health

** R01MH-24824-01 The growth of peer social interaction in play groups

R01MH-24849-01 Development of self recognition in infancy

R01MH-24874-01 Social behavior of communally reared children

** R03MH-24998-01 Self-monitoring and consistency in self-presentation

** R03MH-24999-01 Communication and social behavior (pygmy marmoset)

R03MH-25054-01 Stuttering and stutterers-A sociological approach

R03MH-25065-01 Social preferences (hamsters)

R01MH-25266-01 Personal well-being and environmental factors

R03MH-25425-01 Neuropsychology of territorial behavior (gerbils)

R01MH-25553-01 Pre college social development program

R01MH-25996-01 Unseen community-Marginal urban population

R03MH-26164-01 Dissonance vs self-perception in self-persuasion

R01MH-26184-01 Racial and socio-economic pluralism in a new town

** R01MH-30251-00 Monograph-Socialization of social responsibility

P01NS-03856-12 0006 Auditory communication and its disorders - Speech, language and deafness (children)

** P01NS-04053-12 0011 Epilepsy - Behavioral physiology (monkeys)

R01NS-08902-05 Mechanisms of olfactory communication (gerbils, hamsters)

R01NS-09590-04 Communication skills in deaf and hearing children

R02NH-00405-03 A descriptive study of the patient-hospital interface (human)

M01RR-00069-12 0042 General clinical research center, children - Phenylketonuria collaborative study

** P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)

P06RR-00168-13 New England regional primate research center

** S01RR-05719-03 General research support grant (social behavior)

PSYCHOLOGY SOCIAL, SOCIAL CONFORMITY
SEE ALSO SOCIAL CONTROL
SEE ALSO SOCIALIZATION

** R01AA-00642-01 Norms and behavior, alcohol, and youth culture

** P01HD-03008-07 0004 Cognition and motivation in the retarded - Need for approval and conformity behavior

P01HD-03008-07 0022 Cognition and motivation in the retarded - Tendency of children to give socially desirable response

R01HD-03234-06 Effects of moral inconsistency upon children

** P01HD-04510-06 0004 Center for research in human development - Institute of social deviancy and youth

P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development

R01HD-06264-03 Sociopsychological aspects of premarital conception

N01HD-22703-05 Psychological studies of social norms influencing family size

R01MH-05115-13 Measurement and studies of ego development

** R01MH-21568-03 Group stress and the use of power

** R01MH-21644-02 Group reaction to a shifting attitudinal deviate

R01MH-21735-03 The behavioral consequences of androgyny (human)

** R01MH-23248-02 Mechanisms of generalized behavior change (human)

R03MH-24718-01 Social effects in a choice reaction time paradigm

** R01MH-24754-01 Power and compliance in the family

** R01MH-24814-01 Attitudes as inferences from one's own behavior

R03MH-24998-01 Self-monitoring and consistency in self-presentation

R01MH-25311-01 Gene-environment interactions and criminality

** R01MH-25374-01 Experimental studies in minority influence II (human)

** R01MH-25525-01 Investment of self in an urban group

** R01MH-26112-01 The persuasive power of discrepant minorities

R01MH-26141-01 Diversion-A study of alternative processing practices

** R03MH-26164-01 Dissonance vs self-perception in self-persuasion

PSYCHOLOGY SOCIAL, SOCIAL DESIRABILITY

** R18AA-01642-01 Social Development center

R01HD-03002-07 Fertility and family planning in Taiwan (human)

P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults

P01HD-03008-07 0021 Cognition and motivation in the retarded - Effects of need for social approval and mastery on task performance

** P01HD-03008-07 0022 Cognition and motivation in the retarded - Tendency of children to give socially desirable response

R01HD-05427-03 Rural fertility decline in Northern America (US, Canada)

R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US

R01HD-07412-02 Fertility motivation and career conflict in women

** R01HD-08276-01 The value of children in the US

R01MH-16125-06 Family mental health-Diffusing community strategies

** R01MH-19506-03 0007 Hormones, the brain and primate behavior - Individual partner preferences

R01MH-21644-02 Group reaction to a shifting attitudinal deviate

R03MH-24718-01 Social effects in a choice reaction time paradigm

R01MH-24814-01 Attitudes as inferences from one's own behavior

PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION

R01DA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)

R01DA-01053-01 Community variations in Chicano ex-addict adaptations

P01HD-00973-11 0074 Research program on retarded intellectual development - Intrinsic motivation in infancy-Perceptual analysis

P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions

P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development

R01HD-06367-03 Psychosocial development

** R01HD-06750-03 Personal constructs, aging, and impression formation

P18HL-15996-02 0004 Cincinnati sickle cell anemia center - School adjustment of thirty sickle cell patients

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(contd)

R01MH-06671-11 The development of children's naturalistic concepts
 R01MH-14806-08 Maturational reform and rural delinquency (human)
 R01MH-16474-05 Computer interaction in psychological scaling
 P01MH-16674-06 0038 A program of psychiatry-oriented biological research - Effect of amphetamine on primate social perception
 R01MH-16952-05 Interpersonal control processes (human)
 R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
 R01MH-19864-04 American beliefs about physical and mental illness
 ** R01MH-20169-03 Antecedents and consequences of perceived freedom (human)
 R01MH-21139-03 Social class and communication style in marriage
 R01MH-21644-02 Group reaction to a shifting attitudinal deviate
 R01MH-21789-02 Definitional processes in planning social change
 R01MH-21929-02 Volunteerism in the lives of women
 R01MH-22035-01 Ethnic survey program
 R01MH-22249-02 Desegregation and prejudice
 R01MH-22294-02 Measuring morale and related concepts
 ** R01MH-22424-02 The causes and consequences of credibility in TV news
 R01MH-23248-02 Mechanisms of generalized behavior change (human)
 R01MH-23468-01 Women's liberation—Is the definition class-bound?
 R01MH-23516-02 Information integration in juror judgments
 ** R01MH-23664-02 Teenage youth in new town setting
 R01MH-24216-01 The social effects of divorce and divorce law reform (California)
 R01MH-25266-01 Personal well-being and environmental factors
 ** R03MH-25354-01 Personality and person perception
 R01MH-25536-01 Attributions of social power
 R03MH-25726-01 Effects of withheld evidence on juror decisions
 R03MH-25736-01 Actor-observer differences in attributions of causality
 R03MH-25889-01 Emotion communication and aggressive delinquency
 ** R03MH-26049-01 Interracial perception and interaction
 R01MH-26098-01 Stress, crowding and blood pressure in prison
 R01MH-26130-01 Psychological impact of rape on the victim
 R01MH-26141-01 Diversion—A study of alternative processing practices
 R03MH-26213-01 Level of intent and moral intentional judgments (children)

PSYCHOMETRICS

SEE ALSO PSYCHOPHYSICS
 R01AA-00456-03 Prediction of outcome in alcoholics
 ** R01AA-00495-02 Development of a structural evaluation of drunk drivers
 R01AA-01236-01 Carry-over of tolerance and dependence in alcoholics
 R22AM-09980-09 0004 Infantile diarrhea and malnutrition (Peru, Baltimore) - Late effects of malnutrition (human)
 R01DA-00903-01 Computer interviews for drug abuse risk prediction
 P01EY-00523-13 0014 Sensory disease clinical research center (eye disorders) - Increment thresholds (human)
 ** R01GM-16697-06 Genetics of human behavior and mental traits
 R01HD-00926-13 Recognition and recall during acquisition and retention (human)
 P01HD-01136-10 Center for research in human learning
 P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
 P01HD-03110-07 0036 Child development and mental retardation - Assessing attentional processes from aspects of biological activity
 R22HD-03942-07 Nutrition and development of children in rural areas (Mexico)
 R01HD-04135-06 Developmental-integrative investigation (human)
 R01HD-04212-06 Perception in premature, term and defective infants (human)
 P01HD-04299-05 Intervention and mental health of infants
 R01HD-04634-04 Cognitive functions of retarded early adolescents
 ** R01HD-05089-04 Learning and cognitive development in children
 R01HD-05354-04 Four preschool programs—Dimension and effects—II
 M P01HD-05540-03 Development of the mentally retarded
 P01HD-05951-03 0001 Cognition in the retarded child - Short and long-term memory
 P01HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
 R01HD-06468-01 Bilirubin toxicity—Metabolic effects of phototherapy (rats)

** R01HD-06589-03 Personality and attitude factors in birth planning
 R01HD-06648-02 A family study of the genetics of special abilities
 R01HD-06669-02 Genetic and environmental bases of human cognition
 R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
 R01HD-06971-02 Observed paternal behavior with preschool children
 ** R01HD-07024-02 Prediction of family-planning intentions and behavior
 R01HD-07073-02 Assessment and modification of parental teaching style
 R01HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
 ** R01HD-07768-01 Emergence of linguistic intuitions in children
 ** R01HD-07772-01 Asymptotic recognizability and recognition memory
 R01HD-08016-01 Behavior genetic studies of adoptive and natural families
 R01HD-08458-01 Cognitive behavior in maturity and old age
 ** R01HD-08966-01 0007 Early diagnostic studies of aberrant development - Cognitive development (human)
 P01HL-08214-11 0011 Chemical and biological properties of lipids - High energy irradiation of lipids (rats, fish)
 P17HL-14214-04 0011 Neonatal lung cancer - Long-term separation and attitudes, behavior of parents and HMD infants
 R01HL-15399-02 Behavioral factors in coronary heart disease
 ** P01HS-00110-11 0028 Medical care and patient care research program (human) - Development of index community health
 P1GHS-00472-06 0003 Health services research center - Low hematocrit among school children
 R01MH-01099-19 Learning and transfer processes (human)
 ** R01MH-05115-13 Measurement and studies of ego development
 R01MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 R01MH-05683-12 Childhood psychopathology process and overt symptomatology
 R01MH-07722-10 Research on information processing psychology (human)
 P01MH-08618-10 0031 Biological studies of psychotic disorders - Acquisition of behavioral data (human)
 R01MH-08744-10 Coping behavior in schizophrenia
 ** R12MH-09191-11 Diagnosis of mental disorder in U S and U K
 R12MH-09239-07 International study of schizophrenia
 M P01MH-10006-10 Research center for quantitative psychology
 ** P01MH-10006-10 0004 Research center for quantitative psychology - Models of psychological measurement
 ** P01MH-10006-10 0005 Research center for quantitative psychology - Behavioral statistics
 ** R01MH-10328-10 Measurement of untreated psychiatric disorder
 P01MH-11668-09 0047 Psychosocial factors in health and disease - Arteriosclerosis-Differentiation of 'vascular' and 'non-vascular' population
 P01MH-11668-09 0088 Psychosocial factors in health and disease - Age related characteristics of affective behavior
 R01MH-12756-07 Psychiatric aspects of coronary artery revascularization (human)
 M P01MH-12972-08 Research program in personality assessment
 ** P01MH-12972-08 0001 Research program in personality assessment - Personality structure derived from trait-descriptive terms (human)
 P01MH-12972-08 0002 Research program in personality assessment - Language and personality (human)
 ** P01MH-12972-08 0005 Research program in personality assessment - Behavioral assessment instruments (human)
 ** P01MH-12972-08 0006 Research program in personality assessment - Explorations in trait specificity vs generality (human)
 ** P01MH-12972-08 0007 Research program in personality assessment - A biosocial approach to morphological measurement (human)
 P01MH-12972-08 0010 Research program in personality assessment - Small group sociometry (human)
 ** P01MH-12972-08 0011 Research program in personality assessment - The scaling of choice data (human)
 ** P01MH-12972-08 0012 Research program in personality assessment - Facet designs for item selection and scale analysis (human)
 ** P01MH-12972-08 0013 Research program in personality assessment - Exploring new types of item format (human)
 ** P01MH-12972-08 0014 Research program in personality assessment - New procedures for scoring objective tests (human)
 ** P01MH-12972-08 0015 Research program in personality assessment - Personality assessment utilizing responses to personality test items (human)
 ** P01MH-12972-08 0016 Research program in personality assessment - Optimal test length (human)

** P01MH-12972-08 0017 Research program in personality assessment - Branching methods of scale construction (human)
 ** P01MH-12972-08 0018 Research program in personality assessment - Scale construction by moment maximization (human)
 ** P01MH-12972-08 0019 Research program in personality assessment - A comparison of assessment strategies (human)
 ** P01MH-12972-08 0020 Research program in personality assessment - Strategies of personality inventory construction-Comparative validity (human)
 ** P01MH-12972-08 0021 Research program in personality assessment - Multivariate techniques for evaluation and prediction of human behavior
 ** P01MH-12972-08 0022 Research program in personality assessment - Classification procedures utilizing non-parametric density estimates (human)
 ** P01MH-12972-08 0023 Research program in personality assessment - Individual differences in human judgments
 ** P01MH-12972-08 0024 Research program in personality assessment - Models of judgment processes (human)
 P01MH-13369-07 Program for research in psychiatric sociology
 R01MH-14934-08 A multi-state information system for psychiatric patients
 R01MH-15008-06 Treatment deployment for chronic psychotics
 ** R01MH-15442-06 Factors influencing outcomes of psychotherapy (human)
 ** R01MH-15521-06 Problem solving behavior of family groups (human)
 ** R01MH-15651-07 Applications of the adjacency principle (human)
 R01MH-15828-06 0004 Research in human information processing - Organization of attitudes
 R01MH-15828-06 0008 Research in human information processing - The 'same' response as a template match
 R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 ** R01MH-16026-06 Assessment of psychological environments (human)
 R01MH-16037-06 Home learning center approach to early stimulation (children)
 R01MH-16080-06 Ego development and the provenance of thought
 ** R01MH-16474-05 Computer interaction in psychological scaling
 R01MH-16728-05 Cognitive development and cognitive socialization
 R01MH-16789-04 Evaluation of a community mental health program
 ** R01MH-16796-05 Prediction and prevention of reading failure (human)
 R01MH-17039-05 Psychophysiological studies in hyperactive children
 R01MH-18180-05 Outpatient pediatric psychopharmacology
 R01MH-18260-05 Psychiatric impairment in urban children over time
 R01MH-18354-04 Attention of deficits in subvarieties of schizophrenia
 R01MH-18856-04 Control of the subjective intensity of sensation (human)
 R01MH-18962-03 Prediction of suicide in psychiatric patients (human)
 ** R01MH-19585-02 Human aging data file and psychological analysis
 R01MH-19864-04 American beliefs about physical and mental illness
 ** R01MH-19915-03 The development of a picture test of values (human)
 R01MH-19989-04 Classification and assessment of suicidal behaviors (human)
 R12MH-20123-03 Community alternatives for treatment of schizophrenia
 R01MH-20245-03 Transactional analysis of families of schizophrenics
 R01MH-21035-03 Clinical prediction and treatment of episodic violence
 R01MH-21344-02 Home vs hospital care of behavior disordered children
 R01MH-21643-01 Therapeutic effectiveness of halfway house program
 ** R01MH-21669-03 Quality evaluation of mental health services
 ** R01MH-21708-02 Assessing relevance of indirect services in schools
 ** R01MH-21735-03 The behavioral consequences of androgyny (human)
 ** R01MH-21795-02 Individual differences in cognition
 R01MH-22127-02 Personal causation and development of responsibility
 R01MH-22156-02 The inexpressive male (human)
 R01MH-22215-02 Evaluation of comprehensive program for adolescents
 ** R01MH-22294-02 Measuring morale and related concepts
 R01MH-22336-02 College students in mental health service projects
 P01MH-22836-02 Children and families vulnerable to mental disorders

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont)

PO1MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
 PO1MH-22916-02 0002 Personality and psychotherapy - Clinical inference
 PO1MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
 PO1MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy
 RO1MH-22922-02 The psychiatric outpatient as a customer
 RO1MH-23450-02 Preparatory training program for psychotherapy
 RO1MH-23542-02 Structural origins of sex differences in achievement (England)
 RO1MH-23642-02 Some genetic and social factors in cognitive traits
 ** RO3MH-23657-01 Visual-auditory factors in early reading ability
 R12MH-23864-02 CRB NIMH collaborative depression studies II-SADS
 ** RO1MH-23875-02 Measurement resource in child behavior
 ** RO1MH-24003-02 The black intelligence test as a moderator variable (human)
 RO1MH-24070-01 Biofeedback and habituation rates in chronic anxiety
 RO1MH-24280-02 Intelligence and personality—An adoption study
 RO1MH-24341-02 Cognitive response to psychological stress (human)
 RO1MH-24454-01 Black language—A moderator variable in intelligence
 RO1MH-24594-01 Behavioral communications approach to marital success
 RO1MH-24677-01 The social organization of psychological disorder
 RO1MH-24688-01 An optimum A-B scale of psychotherapist effectiveness
 ** RO1MH-24698-01 Assessment of interpersonal behavior
 RO1MH-24819-01 A short term developmental study of children at risk
 RO1MH-24867-01 A mental health system for infants and young children
 RO1MH-24959-01 Strategies of coping in institutional environments
 RO3MH-24998-01 Self-monitoring and consistency in self-presentation
 RO1MH-25351-01 Prevention programs in community mental health centers
 RO3MH-25382-01 Psychological differentiation and hypnotizability (human)
 ** RO3MH-25412-01 Development of multivariate measurement techniques
 RO1MH-25435-01 The group of schizoaffective and related psychoses
 ** RO3MH-25461-01 Life events, stress, and mental distress
 ** RO3MH-25561-01 Measurement of alienation (human)
 RO3MH-25612-01 Cognitive tempo & problem-solving competence
 ** RO3MH-25815-01 Development of role- and conceptual perspective-taking (children)
 RO3MH-25824-01 Methods to analyze temporal relations in language (children)
 RO1MH-25855-01 Proprioception and cognitive disorders in schizophrenia
 RO1MH-26130-01 Psychological impact of rape on the victim
 RO1MH-26232-01 Behavioral approach to marital dysfunction
 PO1NS-03356-14 0026 Neurological clinical research center - Relationship of CSF physiology to dementias (human)
 RO1NS-05096-11 0006 New amino acid disorders in cerebral disease - Maternal phenylketonuria (mothers, children)
 RO1NS-05096-11 0007 New amino acid disorders in cerebral disease - Amino acid transport disorders in infancy and childhood
 PO1NS-06833-08 0003 Interdisciplinary stroke program - Cerebral vascular disorders of infancy and childhood
 RO1NS-09135-05 Studies in distractibility (children)
 RO1NS-10720-01 Investigations of vitamin B6 in Down's syndrome (human)
 RO2NU-00467-01 Pain alleviation through nursing intervention
 RO2NU-00472-02 Cooperation in home dialysis triads and patient outcomes
 ** RO2NU-00480-01 Psychosocial factors in illness outcome
 P07RR-00267-09 0013 Biomedical data processing unit - MMPI box form scoring

PSYCHOMOTOR DISORDERS

SEE ALSO NEUROMOTOR DISORDERS
 SEE ALSO PSYCHOLOGY ABNORMAL, MENTAL DISORDERS (GENERAL)
 PO1ES-00454-06 0005 Biological effects of environmental agents - In utero methylmercury ingestion (rats, mice)
 PO1HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
 PO1HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)

PO1HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
 RO1MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
 RO1NS-00616-20 Performance tests in cerebral disease (human)
 PO1NS-02808-13 0022 Special clinical research project in neurophysiology - Metabolic changes in epileptogenic tissues in intracranial and ictal states (human)
 RO1NS-05572-10 0004 Ultrastructural basis of neuropsychiatric disease - Ultrastructural clinical studies
 PO1NS-06209-09 0001 Boston University aphasia research center - Psychological research (human, monkeys)
 RO1NS-10236-03 0001 Functional skill remediation in brain damage - An assessment therapy model for eye hand skills (human)

PSYCHOMOTOR DISORDERS, APRAXIA

SEE ALSO INFORMATION-COMMUNICATION DISORDERS, APHASIA
 RO1NS-00616-20 Performance tests in cerebral disease (human)
 RO1NS-10601-02 Praxis—Role of intracortical pathways (monkeys)
 ** MO1RR-00088-11 0049 General clinical research center - Defining errors of motor activity in apraxia (human)

PSYCHOMOTOR FUNCTION

SEE ALSO NEUROMOTOR SYSTEM
 RO1AA-00187-03 Memory impairment of alcoholic Korsakoff patients
 RO1AA-00199-03 Beta adrenergic blocking agents in treatment of alcoholism (human)
 RO1AA-00231-05 Alcohol intoxication and dependence in animals (monkeys, dogs, rats)
 ** RO1AA-00246-05 Alcohol and perceptual cognitive behavior (human)
 ** RO1AA-00253-04 Ethanol dependence—Behavior and physiology (rats, monkeys)
 RO1DA-00069-04 Toxicology of marijuana in animals and man
 ** PO1DA-00250-03 0010 Research center—Studies of drug dependence and abuse - Behavioral and perceptual effects of drugs (human, animals)
 PO1DA-00257-03 0001 Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in man
 RO1DA-00355-02 Marijuana and behavior—Long-term interactions (rats, monkeys)
 RO1DA-00393-03 Biological effects of antibodies against morphine (human, cattle, mice, rabbits)
 NO1DA-20208-05 Behavioral research paradigm for study of opiate antagonists (human)
 NO1DA-40165-00 Acute effects of cocaine on complex human performance
 PO1ES-01059-01 0003 Metallic mercury vapor as an environmental hazard - Biological effects of mercury vapor (human, mice)
 RO1EY-00756-03 Neuropsychological studies of the superior colliculus (monkeys)
 RO1EY-01117-02 Optic tectum—A combined structural and functional study (frogs)

M RO1EY-01191-02 Vision and visuomotor mechanisms
 ** RO1EY-01191-02 0006 Vision and visuomotor mechanisms - Development of coordination in infant monkey
 PO1GM-10402-12 0021 Zoophysiology in Alaska - Extended work periods in arctic cold (human)
 RO1HD-00434-13 A longitudinal study of skeletal growth of primates (human)
 PO1HD-00870-11 0003 Communication research with retarded children - Generalization of a social response
 PO1HD-01136-10 0003 Center for research in human learning - Perception (children)
 PO1HD-01136-10 0004 Center for research in human learning - Cognition
 ** PO1HD-01136-10 0009 Center for research in human learning - Motor skills and tool using
 PO1HD-01799-09 0006 Mental retardation research center - Behavioral and developmental neurophysiology (humans, monkeys)
 ** PO1HD-01799-09 0011 Mental retardation research center - Development of movement control systems in primates
 ** PO1HD-02274-08 0136 Mental retardation and child development - Sensorimotor functions in brain-damaged children
 PO1HD-02274-08 0150 Mental retardation and child development - Motor-neuron excitability in children with disorders of muscle tone
 PO1HD-03110-07 0037 Child development and mental retardation - Mental retardation
 ** PO1HD-03352-07 0024 Wisconsin center on mental retardation - Physiological parameters of phonological development (children)
 ** RO1HD-03591-07 Experimental and innate factors in early development (humans)
 ** PO1HD-04510-06 0007 Center for research in human development - Motor development and motor learning in the retarded

PO1HD-04612-06 0006 Mental retardation research center - Neural correlates of sensation and learning in brain (monkeys, cats)
 ** PO1HD-04612-06 0021 Mental retardation research center - Electrophysiology of learned motor performance (human)
 PO1HD-05027-05 0012 Developmental psychology - Tool using behavior in children and infants
 ** PO1HD-05027-05 0016 Developmental psychology - Development of complex perceptual motor systems
 RO1HD-05341-04 Down's syndrome-5-hydroxy tryptophan study (children)
 PO1HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)
 RO1HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 ** PO1HD-06276-03 0059 Mental retardation research program - Effects of false transmitters on behavior and brain chemistry (rats, rabbits)
 RO1HD-06650-03 0003 Electrophysiology studies in mental retardation - EEG and sensory-motor training (human)
 RO1HD-06903-01 Parent training on learning and cognition of deaf children
 RO1HD-07071-01 Biochemical factors in behavioral sex differences
 RO1HD-07073-02 Assessment and modification of parental teaching style
 PO1HD-07329-02 0006 Input structure and retardate performance - Tracking enumerative, response contingent and sequential information processing
 PO1HD-07329-02 0007 Input structure and retardate performance - Intramodal stimulus alternation effects on information processing in retardates
 PO1HD-07329-02 0008 Input structure and retardate performance - Intramodal and intermodal distraction during sequential information processing
 PO1HD-07329-02 0009 Input structure and retardate performance - Sequential speed, rate and velocity extrapolation in retardates and normals
 RO1HD-07649-01 Behavioral effects of early malnutrition in monkeys
 ** PO1HL-07896-13 0009 Environmental biomedical research program - Decompression (human, rats, goats, fish)
 PO1HL-07896-13 0018 Environmental biomedical research program - Studies of senile dementia
 PO1HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
 PO1HL-10436-09 0007 Congenital heart disease - Developmental lag, perceptual-motor deficits and hypoxia
 RO1MH-06671-11 The development of children's naturalistic concepts
 ** RO1MH-06723-12 Electrophysiological studies of psychomotor processes (human, monkeys)
 PO1MH-08667-10 0009 A longitudinal epidemiology of impaired competence - Structure of the intellect
 RO1MH-10993-10 Fear modification and learned autonomic control (human)
 ** RO1MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
 RO1MH-13595-08 Behavior and drug effects during chronic stress (rats, mice)
 RO1MH-15385-07 Brain mechanisms in visual and motor functions (cats, monkeys)
 RO1MH-15655-07 Effects of sleep on memory (human)
 ** RO1MH-15826-06 0006 Research in human information processing - Visual imagery and motor functioning
 ** RO1MH-16733-06 Developmental neuropsychology (rats)
 RO1MH-18332-05 Temporal organization in behavior and development (human)
 RO1MH-18949-04 Central neurophysiology of the functional psychoses (human, animals)
 RO1MH-19211-04 Psychotropic drugs and slow potentials in man
 RO1MH-19415-05 Developmental dyslexia—A longitudinal study
 ** RO1MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 ** RO1MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
 RO1MH-20743-03 The child's creative learning space
 R12MH-21191-03 Developmental consequence of extreme social isolation (human)
 PO1MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
 ** RO3MH-24416-01 Motor skills of neonatally deafferented monkeys
 RO1MH-24824-01 The growth of peer social interaction in play groups
 RO1MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
 ** RO3MH-25341-01 Effects of hypoxia on brain monoamines and behavior (rats)
 RO1MH-25643-01 Comparative studies on neural mechanisms (human, monkeys, pigeon)
 RO1NS-02567-15 Problems of nerve cell physiology (human, cats, monkeys)
 RO1NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
 PO1NS-07226-06 0008 Neurosensory interdisciplinary research program - Remote microelectrode positioning and telemetering system (monkeys)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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(contd)

- ROINS-07615-14 New measures of aphasic symptom variables (human)
- ROINS-07726-08 Sensory cortex (primates, opossum, hedgehog)
- ROINS-09135-05 Studies in distractibility (children)
- ROINS-09343-04 Eye-head coordination (monkeys)
- ROINS-09696-04 Neural control of discrete behavioral processes (snails)
- M ROINS-10236-03 Functional skill remediation in brain damage
- ** ROINS-10236-03 0001 Functional skill remediation in brain damage - An assessment therapy model for eye hand skills (human)
- ROINS-10311-03 Cerebellar cerebral interactions (monkeys)
- ROINS-10409-01 Behavioral role of the cerebellum (rats)
- ** ROINS-10488-02 Cerebellar neuronal activity and motor behavior (cats)
- ** ROINS-10531-02 Corticospinal tract in developing motor function (rats)
- ** ROINS-10601-02 Praxis-Role of intracortical pathways (monkeys)
- ROINS-11518-01 Motor unit organization during locomotion (cats)
- ** POINS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)
- ** POINS-11766-01 0009 Clinical research center for neuromuscular disease - Motor nerve conduction velocities in premature
- ** ROIOH-00497-01 Temperature-time effects on sedentary job performance
- ** MOIRR-00053-13 0031 Clinical research center - Influence of sleep-wake cycle on psychomotor performance (human)
- MOIRR-00088-11 0049 General clinical research center - Defining errors of motor activity in apraxia (human)
- MOIRR-00128-10 0076 General clinical research center for children - Cognitive and sensory-motor performance in sex development disorders
- PSYCHOMOTOR FUNCTION, HANDEDNESS**
- ROINS-11639-01 Hemispheric specialization for cognitive mode
- PSYCHOMOTOR FUNCTION, REACTION TIME**
- ROIAA-00301-03 Alcohol intake, search activity and driver performance
- ** ROIDA-00879-01 Cannabis-human memory, timing, perception and aggression
- ROIEY-00383-12 Effects of illumination on binocular space perception (human)
- ROIEY-01191-02 0005 Vision and visuomotor mechanisms - Vision and movement (human)
- POIGM-16058-09 0006 Biosensor and subject monitoring system development - Sequence analysis technique (human, monkeys, rats)
- POIHD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- POIHD-00668-16 0015 Aging and the aged - Age effect on multiple cognitive processes (human)
- POIHD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
- POIHD-00870-11 0008 Communication research with retarded children - Factors affecting the imitation and comprehension of speech
- POIHD-00973-11 0073 Research program on retarded intellectual development - Semantic integration-Construction and utilization of relational contexts
- ** POIHD-01136-10 0002 Center for research in human learning - Reaction time and information processing (human)
- ROIHD-02395-08 Development of the EEG in relation to behavior (human)
- ** ROIHD-04524-06 Psychophysiological aspects of aging (human)
- ROIHD-04869-04 Higher level units in perception (human)
- ROIHD-05902-04 Aging in monkeys
- ** POIHD-06276-03 0089 Mental retardation research program - Subclinical lead exposure (children)
- ROIHD-07232-02 Developmental studies of short-term memory (human)
- ROIHD-08220-02 Age effects on verbal and non-verbal processes
- ** ROIHD-08265-01 Analysis of response speed in mental retardation
- ROIMH-00623-21 Psychophysiology of the autonomic nervous system (human, cats, monkeys)
- ROIMH-02456-16 Comparative psychophysics and stimulus control (pigeons)
- ROIMH-03372-15 0030 Neural mechanisms in behavior - Perceptual-motor learning and bilateral transfer in commissurotomy patients
- ROIMH-05286-12 0007 Psychophysiology of perception - Topography of the contingent negative variation during timed human performance
- ROIMH-06792-12 Verbal control of behavior in classical conditioning (human)
- ROIMH-07995-11 0001 Heart rate conditioning - Hypertensives exposed to stress reaction time tasks (human)
- ROIMH-07995-11 0006 Heart rate conditioning - Sympathetic influences on heart rate during stress (human)
- ROIMH-08853-10 Instrumental properties of human autonomic functions
- ROIMH-12507-09 Electrophysiological studies of psychiatric disorder
- ROIMH-14229-08 Perception of structure (human)
- ROIMH-15828-06 0002 Research in human information processing - Mental processes for solving visual problems
- ** ROIMH-16400-06 Conditioning and response organization (human)
- ROIMH-16496-06 Perception and short-term memory for verbal materials (human)
- ROIMH-18422-04 Psychoacoustic research in psychopathology (human)
- ** ROIMH-19006-04 Models of memory and time processes
- ROIMH-19211-04 Psychotropic drugs and slow potentials in man
- ROIMH-19705-04 Organization and retrieval processes in human memory
- ROIMH-20495-03 Stimulus encoding in human learning and retention
- ROIMH-20583-02 Pharmacotherapy of hyperactive children
- ROIMH-20584-02 Mechanisms of directed forgetting
- ROIMH-20723-03 Human perceptual and short-term memory processing
- ROIMH-21105-03 Recognition of spatial and temporal visual patterns (human)
- ROIMH-21747-02 Memory search and decision processes
- ROIMH-22009-02 Short-term visual memory
- POIMH-23878-06 0004 Cognitive processes and mathematical psychology - Visual information processing (human)
- POIMH-23878-06 0034 Cognitive processes and mathematical psychology - Development cerebral dominance, linguistic constructs, perception
- POIMH-23878-06 0035 Cognitive processes and mathematical psychology - Perceptual basis of reading
- ROIMH-23939-02 Decoding information from memory
- R03MH-23968-01 Limits of parallel independent processing in vision (human)
- ROIMH-24016-01 An experimental approach to a form perception theory (human)
- ROIMH-24027-01 The speech mode and categorical perception
- R03MH-24534-01 Dynamics of warmth and cold (human)
- R03MH-24551-01 Autonomic and cortical responses to affective stimuli (human)
- ** R03MH-24718-01 Social effects in a choice reaction time paradigm
- ROIMH-25344-01 Comparison of recognition and recall
- POINS-03354-13 0007 Neurosensory center - Laboratory of neuropsychology (human)
- POINS-03360-14 0059 Neurological clinical research center-Epilepsy - Neuropsychology-Effects of antiepileptic drugs (human)
- POINS-06209-09 0002 Boston University aphasia research center - Quantitative aspects of aphasic language
- ROINS-07873-07 A psychophysical study of gustatory adaptation
- ROINS-10094-03 Mirror-image and hemispheric specialization (children, adults)
- ** POINS-11647-01 0013 Peripheral and central auditory mechanisms - Reaction time investigations of speech perception (human)
- R02MU-00430-03 Altering patients responses to threatening events
- ** MOIRR-00287-08 0051 General clinical research center - Seizure frequency during first hour after waking (human)
- PSYCHOPATHIC PERSONALITY**
- SEE PSYCHOLOGY ABNORMAL, SOCIOPATHIC PERSONALITY
- PSYCHOPHARMACOLOGICAL AGENTS**
- SEE ALSO ALCOHOLISM ANTAGONISTS
- SEE ALSO NEUROPHARMACOLOGICAL AGENTS
- SEE ALSO PYRIMIDINES, BARBITURATES
- R03AA-00092-01 Aldehyde binding-Distribution and specificity (mammals nonhuman)
- ROIAA-00664-01 Metabolic interactions of ethanol and hydroxybutyrate
- R03AA-01254-01 Neurochemical activity of tetrahydroisoquinolines (rats)
- ** ROIDA-00532-02 Biochemical psychopharmacology of abused drugs (rats)
- ROIDA-00974-01 Psychosocial study of Qat use in North Yemen
- ** P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)
- ** POIHD-02274-08 0165 Mental retardation and child development - Behavioral effects of drugs on children
- POIHD-02528-08 0058 Research center in mental retardation - Experimental hyperactive behavior
- ROIH-14681-01 Responsiveness of vascular smooth muscle (rats, rabbits)
- POIMH-08618-10 0046 Biological studies of psychotic disorders - Effects of subclinical doses of mescaline (human)
- ROIMH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs
- ** POIMH-16674-06 0012 A program of psychiatry-oriented biological research - False neurotransmitters in altered functioning of nervous system (rats)
- POIMH-16674-06 0014 A program of psychiatry-oriented biological research - Dihydroxylated tryptamines in rat brain
- ** ROIMH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
- ** ROIMH-23464-02 Biochemistry of psychopharmacological agents (liver flukes, lobsters, mammals)
- ** ROIMH-24333-01 Drug and perception-An experimental analysis
- ** R03MH-24390-01 Psychogenic activity of new tryptophan derivatives (rabbits, rats)
- ** ROIMH-24949-01 Drugs, behavior and the cholinergic nervous system
- POIMH-25515-01 0003 Collaborative biological research on schizophrenia - Release of dopamine and other putative neurotransmitters (rats)
- POIMH-25515-01 0004 Collaborative biological research on schizophrenia - Regulation of the synthesis of dopamine (rats)
- POIMH-25515-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
- POIMH-25515-01 0006 Collaborative biological research on schizophrenia - Actions of neuroleptic drugs on synaptic membranes (rats)
- POIMH-25515-01 0018 Collaborative biological research on schizophrenia - Gamma-aminobutyric acid agonists in the treatment of schizophrenia
- ** NOIMH-30084-00 Research in custom and syntheses of chemicals relevant to psychopharmacology
- ROINS-08048-04 Comparative studies on mammalian nervous system (monkeys)
- ROINS-10976-01 Neurochemistry of brain ischemia (rabbits)
- PSYCHOPHARMACOLOGICAL AGENTS, ANTIDEPRESSANTS**
- SEE ALSO PSYCHOPHARMACOLOGICAL AGENTS, PSYCHEDELIC DRUGS
- ** P02CA-12197-03 0012 Multidisciplinary oncology research center - Evaluate drug effects on adrenergic neuron in human platelets
- P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
- ** ROIDA-00023-07 Amphetamine, abnormal behavior and brain (vertebrates)
- ** ROIDA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- R10DA-00154-09 Psychopharmacology of drug dependence (monkeys)
- POIDA-00266-03 0004 Johns Hopkins drug abuse research center - Central reward mechanisms-Drug interactions (rats, monkeys)
- ROIDA-00323-01 Biochemical effects of perinatal narcotic addiction
- ROIDA-01015-01 Behavioral pharmacology of narcotics and narcotic antagonists (human)
- ** NOIDA-40146-00 Interaction studies with stimulants and depressants
- NOIDA-40182-00 Drug abuse potential of stimulants, depressants and hallucinogens
- P11GM-15431-08 0002 Research center for clinical pharmacology and drug toxicology - Drugs that antagonize guanethidine (human, cats)
- P11GM-15477-08 0062 Drug metabolism and biochemical pharmacology - Inhibition of in vitro N-demethylation of imipramine and amitriptyline
- POIHD-03110-07 0029 Child development and mental retardation - Neuropharmacology (rats)
- R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)
- R23HL-17185-01 The lung's role in drug metabolism and disposition (rabbits)
- R10MH-03030-15 Improved clinical screening of phenotropic drugs (human)
- R10MH-03701-15 0006 Clinical new chemotherapeutic agent evaluation - Activity and alcoholism chemotherapy
- R10MH-04669-14 0009 Controlled drug evaluation - Antagonism of amphetamine-induced symptomatology by neuroleptics (dogs)
- ** ROIMH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
- ROIMH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
- R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
- ROIMH-08957-10 Early drug evaluation in neurotic outpatients
- ROIMH-08958-10 Early drug evaluation in neurotic outpatients
- ** NOIMH-10065-02 Clinical evaluation studies of antidepressants
- ** POIMH-13002-06 0036 Clinical and laboratory studies of affective disorder - Antidepressant drugs (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PO1MH-13002-06 0041 Clinical and laboratory studies of affective disorder - Modifications of developing CNS with amino acids and psychotropic drugs (monkeys)

** PO1MH-13002-06 0048 Clinical and laboratory studies of affective disorder - Mass spectrometry-Tricyclic antidepressants (human)

RO1MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)

RO1MH-13738-07 Drug therapy of depressed outpatients

RO1MH-14110-07 0011 Neural modulation and transmission - Muscarinic and nicotinic cholinergic receptors (rabbits)

** RO1MH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)

RO1MH-15413-06 0002 Psychopharmacology of biogenic amines in depression - Antipsychotics (rats)

** RO1MH-15413-06 0003 Psychopharmacology of biogenic amines in depression - Lithium salts (rats)

RO1MH-15413-06 0004 Psychopharmacology of biogenic amines in depression - Electroconvulsive shock (rats)

RO1MH-15413-06 0005 Psychopharmacology of biogenic amines in depression - Tryptophan (rats)

RO1MH-15413-06 0006 Psychopharmacology of biogenic amines in depression - Normethamphetamine (rats)

** RO1MH-15413-06 0008 Psychopharmacology of biogenic amines in depression - Clinical studies-Tricyclic antidepressants (human)

RO1MH-15413-06 0009 Psychopharmacology of biogenic amines in depression - Clinical studies-Lithium salts and biogenic amine metabolism (human)

** RO1MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)

RO1MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)

RO1MH-16128-06 Early clinical drug evaluation unit

PO1MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)

PO1MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum

** PO1MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum

PO1MH-16674-06 0016 A program of psychiatry-oriented biological research - Serotonergic receptors of single molluscan neuron (land snail)

RO1MH-17489-05 Psychopharmacological activity-Quantum chemical study (rats)

RO1MH-17654-04 Patient profiles and differential response to drugs

RO1MH-17691-05 Interactions of drugs with brain acetylcholine (rats, cats, mice)

** RO1MH-17728-05 Follow-up of maintenance treatment for depression (human)

RO1MH-18070-05 Experimental depression induced in infant monkeys

RO1MH-18391-04 Sleep psychophysiology and psychopathology (human)

RO1MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)

PO1MH-18909-04 Pediatric psychopharmacology (human, rats)

RO1MH-18949-04 Central neurophysiology of the functional psychoses (human, animals)

RO1MH-18967-04 Quantum calculations for psychopharmacology

RO1MH-19477-03 Psychomotility and cognitive style in the schizophrenias

RO1MH-20802-03 Comparative drug treatment for hyperactive children

RO1MH-20946-02 Psychoactive agents in the brain (rats)

** RO1MH-21133-03 Plasma levels of imipramine and clinical outcome (human)

RO1MH-21584-03 Modification of cAMP response in neurons and glia (rats)

PO1MH-21586-02 Biogenetic studies of the affective disorders

RO1MH-21874-03 Brain specific MAO-Characterization and localization (monkeys)

** RO1MH-21892-02 Biochemical studies of depression in primate models

RO1MH-22019-02 Psychotropic drug assessment (human)

RO1MH-23007-02 Imipramine behavior therapy and phobia

PO1MH-23861-02 0030 Biogenic amines and behavior - Histochemical assay for lithium in brain (rats)

RO1MH-24284-01 Conformations of psychoactive substances

M RO1MH-24393-02 MHPG excretion, catecholamine metabolism, and depression

** RO1MH-24393-02 0001 MHPG excretion, catecholamine metabolism, and depression - Effects of imipramine upon urinary excretion of catecholamine metabolites (human)

RO1MH-25116-01 MAO, DBH and ATPase in psychosis (human)

RO1MH-25133-02 0003 Steroid hormones in depressive illness - 24 Hour cortisol secretory patterns in affective disorders (human)

RO1MH-25504-01 Neuroleptics and antidepressants on central MAO neurons

RO1MH-25546-01 Psychotherapy of depression-Computer outcome measures

RO1MH-26237-01 0001 Biogenic amine and CNS phospholipid metabolism - CNS phospholipids and biogenic amines, hormones and psychotropic drugs (rats)

PO1NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)

** PO1NS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)

** RO1NS-09831-03 Synthesis of the CNS stimulant dendrobine

RO1NS-10203-02 Psychoactive, anticonvulsant, antiparkinson drugs (mice, guinea pigs, rats)

RO1NS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)

RO1NS-10903-01 Group IV analogs of amitriptyline and imipramine

** MO1RR-00043-14 0079 General clinical research center - Thyrotropin releasing hormone as an antidepressant (human)

** MO1RR-00053-13 0005 Clinical research center - Influence of antidepressants on cortisol metabolism (human)

** MO1RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)

MO1RR-00095-14 0021 General clinical research center - Adrenergic pharmacology (human)

** MO1RR-00109-11 0036 General clinical research center - Evaluation of antidepressant activity of BW66-323 in depressed patients

MO1RR-00262-09 0028 General clinical research center - Treatment of depression in relative of patient with catastrophic illness (human)

** MO1RR-00336-08 0079 General clinical research center - Efficacy of imipramine and clomipramine in treatment of depression (human)

MO1RR-00645-03 0010 Clinical research center - Forms of iatrogenic hypertension (human)

PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

** RO1AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)

PO2CA-12247-03 0016 Pediatric oncology center - Psychotherapy research (human)

PO2CA-13696-02 0052 Clinical cancer research center - Reactions of cancer patients to nursing intervention (human)

** RO1CA-14360-02 Immunosuppressant effects of sedative hypnotic drugs

PO2CA-15145-01 0021 Cancer center support grant - Steroid 5 alpha-reductase activity in human brain tumors (rats)

RO1DA-00137-03 Drug use related to college and career achievement

RO1DA-00154-09 Psychopharmacology of drug dependence (monkeys)

** PO1DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)

** RO1DA-00605-01 Cyclic AMP-antidote to hypnotic drug overdose

** RO1DA-00939-01 Experimental studies of sedative abuse (human)

RO1DA-01015-01 Behavioral pharmacology of narcotics and narcotic antagonists (human)

NO1DA-30177-00 Barbiturate treatment manual

** NO1DA-40146-00 Interaction studies with stimulants and depressants

NO1DA-40182-00 Drug abuse potential of stimulants, depressants and hallucinogens

RO1DE-02152-09 0015 Dental physiology and biophysics - Cerebral cortex and elanoration of pain (mammals)

PO1GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)

** PO1GM-12527-10 0008 Anesthetic and related drugs - Bioassay and efficacy of analgesics and nighttime sedatives (human)

PI1GM-12675-10 0024 Biochemical toxicology and pharmacology - Enterohaptic circulation of drugs in man- Glutethimide, mestranol, noretindron

PI1GM-12675-10 0025 Biochemical toxicology and pharmacology - Role of drug metabolism in the toxicity of glutethimide (human, dogs, rodents)

PO1GM-15430-07 0003 Research in anesthesia - Anesthetic effects (human)

** PI1GM-15431-08 0016 Research center for clinical pharmacology and drug toxicology - Hexobarbital (dogs, mice, rats)

PI1GM-15431-08 0017 Research center for clinical pharmacology and drug toxicology - Anticonvulsant drugs (mice, rats)

** PI1GM-15431-08 0018 Research center for clinical pharmacology and drug toxicology - N-N-butyl-barbital (rats, mice, dogs)

** PI1GM-15431-08 0019 Research center for clinical pharmacology and drug toxicology - Pentobarbital isomers (human)

** PI1GM-15431-08 0020 Research center for clinical pharmacology and drug toxicology - Secobarbital and barbital (rats)

PI1GM-15431-08 0041 Research center for clinical pharmacology and drug toxicology - Influence of liver disease upon drug disposition and elimination (human, rats)

PI1GM-15956-07 0044 Factors affecting the responses to drugs - Teratogenesis caused by chemotherapy (children)

PO1GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)

PO1GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients

PO1GM-18153-04 0008 Gene control of mammalian cell differentiation - Synthesis of barbiturate ribotides by brain extracts (rats)

PO1GM-18715-02 0002 Biochemical effects and chemical reactions of drugs - Effects of drugs and metabolic disturbances on pH and brain lens (rats)

PO1HD-05961-03 0002 Human and mammalian development - Development of mitochondria and their role in embryogenesis (human, rodents)

RO1HD-06009-03 Passive narcotic addiction in the human newborn

PO1HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)

RO1HL-17723-01 Studies of pathophysiology of vasopressin in man

** RO1MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)

RO1MH-13189-08 Mechanisms of motivation, learning and development (human, rats)

RO1MH-14092-07 Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle)

** RO1MH-14520-06 Pharmacology of sleep-Long-term studies (human, rats)

RO1MH-16960-06 Quantitative analysis of sleep EEG's and EOG's (human)

RO1MH-20946-02 Psychoactive agents in the brain (rats)

RO1MH-22019-02 Psychotropic drug assessment (human)

RO1MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)

RO1MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)

RO1MH-25504-01 Neuroleptics and antidepressants on central MAO neurons

PO1MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)

PO1NS-03358-13 0003 Sensory disease clinical research center - Auditory evoked responses (human, cats)

RO1NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)

RO1NS-07758-06 NMR studies of cell excitation (frogs, rats)

RO1NS-09738-04 Excitatory effects of barbiturates (cats, frogs, rabbits)

RO1NS-10823-02 Cellular neuropharmacology of drug action

RO1NS-10921-01 Sleep, hypnotics and brain monoamine metabolism (cats)

** MO1RR-00095-14 0070 General clinical research center - Effect of liver disease on clearance of sedatives (human)

** MO1RR-00095-14 0071 General clinical research center - Effect of liver disease on clearance of sedatives (human)

** MO1RR-00645-03 0049 Clinical research center - Effect of allopurinol on sedative and anesthetic drugs (human)

** MO1RR-00645-03 0050 Clinical research center - Effect of diazepam on sedative, anesthetic and narcotic-analgesic drugs (human)

PSYCHOPHARMACOLOGICAL AGENTS, LEARNING ENHANCING AGENTS

SEE ALSO PSYCHOLOGY, LEARNING, BIOCHEMISTRY, MEMORY PEPTIDES

PO1HD-00668-16 0011 Aging and the aged - Learning and psychophysiological parameters in aged (human)

** RO1MH-11894-09 0003 Comprehensive behavioral studies - Cortical facilitative agents and learning test performance (Rhesus monkeys)

PSYCHOPHARMACOLOGICAL AGENTS, NARCOTICS

SEE ALSO DRUGS ABUSE, DRUGS ADDICTION

SEE ALSO NARCOTIC ADDICTION AND DRUG ABUSE REVIEW COMMITTEE

RO1AA-00326-01 Mechanisms of tolerance to ethanol (fish)

PO1AM-01431-18 0006 Rheumatic diseases - Clinical pharmacology

PO1CA-08748-09 5617 Research program of Sloan-Kettering Institute - Combined administration of pentazocine and morphine (human)

** PO2CA-11911-04 0008 Clinical cancer center - Analgesics and narcotics in patients with advanced cancer

RO1CA-15050-01 Potential carcinogenicity of cannabis (mice, rats)

** RO1DA-00016-12 Factors in tolerance to the narcotic analgesics (rats)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

R01DA-00123-03 Drug preference and multiple addiction in the primate
 ** R25DA-00160-03 Narcotics information program and pilot study (American Indians)
 P01DA-00250-03 0005 Research center—Studies of drug dependence and abuse - Intrauterine environment in drug addiction pregnancy (human)
 P01DA-00250-03 0006 Research center—Studies of drug dependence and abuse - Autoradiography of psychopharmacological agents (rats, mice)
 P01DA-00250-03 0010 Research center—Studies of drug dependence and abuse - Behavioral and perceptual effects of drugs (human, animals)
 P01DA-00250-03 0017 Research center—Studies of drug dependence and abuse - Detection of drugs of abuse in biological fluids
 ** P01DA-00250-03 0018 Research center—Studies of drug dependence and abuse - Narcotic addiction in pregnant women and newborns
 P01DA-00254-03 0003 Drug abuse basic research center - Effects of drugs on synthesis of neuro-humoral transmitters (monkeys)
 ** P01DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
 P01DA-00266-03 0001 Johns Hopkins drug abuse research center - Amphetamine, brain catecholamines and opiate receptors (rats, guinea pigs)
 ** P01DA-00266-03 0003 Johns Hopkins drug abuse research center - Central cholinergic neurons and interaction with opiates (rats)
 P01DA-00266-03 0004 Johns Hopkins drug abuse research center - Central reward mechanisms—Drug interactions (rats, monkeys)
 ** P01DA-00266-03 0005 Johns Hopkins drug abuse research center - Behavioral pharmacology of narcotics antagonists (primates)
 ** R01DA-00351-02 Mechanisms of narcotic tolerance and dependence (guinea pigs, rats, dogs, mice)
 R25DA-00767-02 'US' youth senior drug prevention program
 ** R01DA-00784-01 Narcotic effects on nerve impulse activity in the brain
 ** R01DA-00796-01 Effects of narcotics and barbiturates on brain ACh (rats)
 ** R01DA-00803-01 Mechanism narcotic addiction
 ** R01DA-00808-01 Biological disposition of narcotic analgesics in man
 R01DA-00815-01 Effects of narcotics on brain phosphatides and cytology
 R01DA-00918-01 Female criminal involvement and narcotics addiction
 R01DA-00926-01 Mechanisms of narcotic addiction
 R01DA-00972-01 Biochemical mechanism in drug addiction (mice, guinea pig)
 R01DA-01059-01 Behavior therapy and naltrexone for narcotic addiction
 ** N01DA-10033-04 Provide rehabilitation services to narcotic addicts
 N01DA-10089-03 Determine effects of natural and synthetic marijuana in humans
 ** N01DA-20171-02 Reproductive and teratogenic studies on narcotic antagonists
 N01DA-30053-03 Services to narcotic addicts
 ** N01DA-30085-01 Services to narcotic addicts
 ** N01DA-30172-00 Publish proceedings of First International Conference on Narcotic Antagonists
 N01DA-30178-00 Toxicological evaluation of narcotics and/or narcotic antagonists in animals
 ** N01DA-30182-00 Testing of drug delivery systems for use in the treatment of narcotic addiction
 ** N01DA-30184-01 Synthesis of labeled narcotics and narcotic antagonists
 ** N01DA-30193-00 Clinical pharmacology of propranolol in opiate addiction
 ** N01DA-30253-00 Clinical safety and efficacy studies of narcotics antagonists (man)
 ** N01DA-30255-00 Clinical safety and efficacy studies of narcotic antagonists
 ** N01DA-30262-00 Toxicological evaluation of one narcotic and/or narcotic antagonist in animals
 ** N01DA-30263-00 Interaction studies of narcotics and narcotic antagonists (monkeys)
 N01DA-30264-01 Clinical efficacy and safety studies of new narcotic antagonists
 ** N01DA-30265-00 Division of narcotic abuse and drug addiction (animals)
 ** N01DA-30267-00 Development of drug delivery systems in treatment of narcotic addiction
 N01DA-40105-00 Services to narcotic addicts
 ** N01DA-40132-00 Toxicological evaluation of narcotics and narcotic antagonists (animals)
 N01DA-40152-00 Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
 N01DA-40157-00 Sustained release delivery systems for narcotic antagonists
 N01DA-40159-00 Efficacy of propoxyphene napsylate in maintenance therapy for narcotic addiction
 N01DA-40189-00 Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
 N01DA-40218-00 Sustained release delivery systems for narcotic antagonists

N01DA-40219-00 Sustained release delivery systems for narcotic antagonists (mice)
 R01DE-02152-09 0015 Dental physiology and biophysics - Cerebral cortex and elanoration of pain (mammals)
 P01GM-09069-12 0119 Research in anesthesiology - Central and peripheral histamine release (dogs)
 R01GM-11373-11 Phosphorimetric analysis of drugs in blood and urine (human)
 P01GM-15430-07 0014 Research in anesthesia - Opioid tolerance and dependence (guinea pigs, human)
 P01GM-15430-07 0024 Research in anesthesia - Medullary integration of chemoreceptor information (cats)
 ** P11GM-15477-08 0017 Drug metabolism and biochemical pharmacology - Antagonism by naloxone of narcotic and narcotic-antagonist analgesics
 P11GM-15477-08 0018 Drug metabolism and biochemical pharmacology - Formation of tolerance on analgesic receptors (mice)
 ** P11GM-15477-08 0108 Drug metabolism and biochemical pharmacology - Phenyl piperidine narcotic analgesics in rats
 ** P11GM-15477-08 0121 Drug metabolism and biochemical pharmacology - Protein synthesis and narcotics tolerance (mice, rats)
 P01GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation
 P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
 P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia—Good risk surgical patients
 P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
 P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
 P01GM-19527-03 0003 Human genetics - Genetic regulation of mammalian purine metabolism
 R01GM-20228-01 Human analgesic assay with laboratory pain
 P01GM-20309-02 0015 Acute trauma study center - Drugs of abuse and trauma (human, rats)
 ** R01HD-06009-03 Passive narcotic addiction in the human newborn
 P01HL-05435-14 0022 Cardiovascular research and training program - Anesthesia research laboratory (human)
 P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
 R01HL-15659-01 Dynamic isolation studies of control of respiration (human, computer models)
 ** P01MH-12568-08 0012 Neuropsychopharmacological studies of attention - Narcotic analgesia (rats)
 P01MH-13002-06 0042 Clinical and laboratory studies of affective disorder - Addiction and relationship to affective states (rats)
 P01MH-16674-06 0037 A program of psychiatry-oriented biological research - Dopamine stimulated adenylyl cyclase and cyclic AMP in caudate nucleus (rats)
 R01MH-25170-01 Toxic interaction of opiates with COMT inhibitors
 ** R01MH-26236-01 Interaction of alcohol, barbiturates and narcotics
 ** N01MH-90008-07 Services to narcotic addicts
 N01MH-90076-06 Conduct a national advertising campaign on narcotics and drug abuse
 R01NS-08738-05 Site-directed alkylating agents for narcotic receptors
 R01NS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)
 R01NS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
 R01NS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
 M01RR-00053-13 0028 Clinical research center - Sleep and endocrine patterns in opiate addicts (human)
 ** M01RR-00102-11 0003 General clinical research center - Methadone maintenance therapy
 M01RR-00188-10 0076 General clinical research center for children - Maternal narcotic addiction and infant development
 M01RR-00334-08 0024 General clinical research center - Naloxone therapy for opiate dependence
 ** M01RR-00645-03 0050 Clinical research center - Effect of diazepam on sedative, anesthetic and narcotic-analgesic drugs (human)
 ** M01RR-00645-03 0054 Clinical research center - Narcotic antagonists (human)
 M01RR-00827-01 0031 General clinical research center - Effects of 5-hydroxytryptophan on tolerance and withdrawal in narcotics addicts
PSYCHOPHARMACOLOGICAL AGENTS, PSYCHODELIC DRUGS
 P01GM-16492-06 0008 Design of chemotherapeutic agents - Mass spectrometry center—Service function (human)
 R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)

PSYCHOPHARMACOLOGICAL AGENTS, PSYCHOTOMIMETIC DRUGS
 R01DA-00137-03 Drug use related to college and career achievement
 ** P01DA-00250-03 0001 Research center—Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of drugs of abuse—Psychotomimetics
 ** P01DA-00265-03 Neurobiological mechanisms of adaptation to drugs of abuse (human, rats)
 N01DA-20182-01 Interaction of marijuana with drugs of chronic abuse (animals)
 N01DA-40182-00 Drug abuse potential of stimulants, depressants and hallucinogens
 R01GM-11373-11 Phosphorimetric analysis of drugs in blood and urine (human)
 ** P11GM-15431-08 0021 Research center for clinical pharmacology and drug toxicology - Bufotenine, o-methylbufotenine and o-acetylbufotenine (human)
 ** P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
 R01GM-21211-01 Cacti as drugs of abuse
 R01GM-21311-01 Photoelectron spectroscopy of drugs and carcinogens
 ** P01MH-08618-10 0004 Biological studies of psychotic disorders - Mechanism of action of mescaline (rats)
 P01MH-08618-10 0006 Biological studies of psychotic disorders - Amphetamine psychosis (human)
 ** P01MH-08618-10 0046 Biological studies of psychotic disorders - Effects of subclinical doses of mescaline (human)
 ** P01MH-08618-10 0046 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
 R01MH-08833-11 Neuropharmacologic studies of local brain function (cats)
 ** R01MH-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
 ** R01MH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs
 ** R01MH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)
 ** R01MH-16127-06 0009 Muscle enzyme release in the acute psychoses - Effect of psychotomimetic drugs, and epinephrine in PCPK levels (rats)
 P01MH-16674-06 0016 A program of psychiatry-oriented biological research - Serotonergic receptors of single molluscan neuron (land snail)
 R01MH-17489-05 Psychopharmacologic activity—Quantum chemical study (rats)
 R01MH-17691-05 Interactions of drugs with brain acetylcholine (rats, cats, mice)
 ** R01MH-17871-05 Psychotogenic drug action on chemically defined neurons (rats)
 R01MH-18070-05 Experimental depression induced in infant monkeys
 ** R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
 R01MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs)
 R01MH-18967-04 Quantum calculations for psychopharmacology
 ** R01MH-20142-03 Mechanism of action of psychotomimetic drugs (rats, frogs)
 R01MH-20946-02 Psychoactive agents in the brain (rats)
 R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
 ** R01MH-23144-02 Central actions of hallucinogenic drugs (rabbits, rats)
 R01MH-23433-02 Role of the amygdala in behavior—Unit studies (cats)
 R01MH-24284-01 Conformations of psychoactive substances
 R01MH-24593-01 Neurohumoral determinants of sensitivity to LSD
 R01NS-00405-19 Experimental studies of sensory pathways (cats, rats)
 ** R01NS-09082-03 Studies of neural proteins (rats)
 R01NS-12050-01 Electrophysiology of indoleamines in thalamus
PSYCHOPHARMACOLOGICAL AGENTS, PSYCHOTROPIC DRUGS (GENERAL)
 R01AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)
 R01AM-17303-01 Bile secretion and enterohepatic circulation of drugs (human, monkeys)
 R10CA-10572-06 Eastern cooperative oncology group
 R01CA-11982-04 Influence of central nervous system on oncogenesis (rats)
 R01DA-00847-01 Drug use and abuse in women
 ** R01DA-00919-01 Human metabolism of commonly abused psychoactive drugs
 P11GM-15477-08 0020 Drug metabolism and biochemical pharmacology - Brain 5-hydroxytryptamine turnover rate and tolerance (mice)
 ** R01GM-20602-01 Synthesis of potential new psychoactive molecules
 R01GM-21211-01 Cacti as drugs of abuse
 R01HD-03778-06 The development of social motivation (dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HD-05027-05 0013 Developmental psychology - Development of attention
- ** PO1HD-06276-03 0006 Mental retardation research program - Animal behavior (rodents)
- ** PO1HD-06276-03 0025 Mental retardation research program - Behavioral and pharmacological consequences of 6-hydroxydopamine (rats)
- ** PO1HD-06276-03 0026 Mental retardation research program - Ontogeny of drug-induced stereotypical behavior (rats)
- ** R10MH-04665-14 Childrens psychopharmacology unit
- ** R10MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
- R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
- PO1MH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- R10MH-08833-11 Neuropharmacologic studies of local brain function (cats)
- R10MH-08957-10 Early drug evaluation in neurotic outpatients
- R10MH-08958-10 Early drug evaluation in neurotic outpatients
- R10MH-11894-09 0007 Comprehensive behavioral studies - Rehabilitation of monkey psychopathologies
- ** R10MH-12007-08 0005 Psychoactive phenolic amine analysis - Problems in analysis of psychoactive drugs
- ** R10MH-12279-09 0002 Drug studies with women, elderly and groups - Diazepam in elderly males
- ** PO1MH-13002-06 0041 Clinical and laboratory studies of affective disorder - Modifications of developing CNS with amino acids and psychotropic drugs (monkeys)
- R10MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
- R10MH-14110-07 0016 Neural modulation and transmission - Mathematical modeling of drug interactions
- ** PO1MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
- ** R10MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)
- PO1MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from minces of rat corpus striatum
- PO1MH-16674-06 0016 A program of psychiatry-oriented biological research - Serotonergic receptors of single molluscan neuron (land snail)
- PO1MH-16674-06 0037 A program of psychiatry-oriented biological research - Dopamine stimulated adenylyl cyclase and cyclic AMP in caudate nucleus (rats)
- PO1MH-16674-06 0042 A program of psychiatry-oriented biological research - Histamine concentration in CSF of monkeys on phenothiazines
- R10MH-16789-04 Evaluation of a community mental health program
- ** R10MH-17279-05 Psychoactive drugs and the organization of behavior (rats)
- R10MH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
- R10MH-17654-04 Patient profiles and differential response to drugs
- R10MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- R10MH-18180-05 Outpatient pediatric psychopharmacology
- R10MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- ** PO1MH-18909-04 Pediatric psychopharmacology (human, rats)
- R10MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
- ** R10MH-20686-03 Psychotropic agents and aminergic receptors
- R10MH-20785-03 Complex behavioral repertoires (primates, birds)
- ** R10MH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)
- ** R10MH-20946-02 Psychoactive agents in the brain (rats)
- R10MH-21584-03 Modification of cAMP response in neurons and glia (rats)
- R10MH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
- ** R10MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- ** R10MH-22019-02 Psychotropic drug assessment (human)
- PO1MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy
- ** R10MH-23685-02 Drug-schedule interactions and intercurrent behavior (rats, squirrels)
- R10MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
- R10MH-23989-02 Psychotropic drug and cytogenetic effects (human)
- ** R10MH-24020-02 Quantitative EEG studies in psychopharmacology (human)
- R10MH-24104-02 Histamine metabolism in mental illness (human)
- R10MH-24244-01 Effects of psychotropic drugs on brain nuclear RNA (rats)
- ** R10MH-24284-01 Conformations of psychoactive substances
- ** R01MH-24604-01 Toxicity of psychotropic drugs on aminergic neurons
- ** R01MH-25116-01 MAO, DBH and ATPase in psychosis (human)
- R01MH-25133-02 0002 Steroid hormones in depressive illness - Prolactin response to chlorpromazine (human)
- R01MH-25133-02 0003 Steroid hormones in depressive illness - 24 Hour cortisol secretory patterns in affective disorders (human)
- ** R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
- ** R01MH-25444-01 Drugs, aggression and neurochemistry (mice)
- R01MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
- ** R01MH-26237-01 0001 Biogenic amine and CNS phospholipid metabolism - CNS phospholipids and biogenic amines, hormones and psychotropic drugs (rats)
- ** PO1NS-04553-10 0005 Neuropharmacology and neurochemistry program research - Neuropharmacology of psychotropic agents and biochemical effects (animals)
- R01NS-08440-06 Metabolic basis of neural function (animals)
- R01NS-09174-09 Role of catecholamines in drug toxicity (rats, mice)
- R01NS-10203-02 Psychoactive, anticonvulsant, antiparkinson drugs (mice, guinea pigs, rats)
- ** R01NS-10262-03 Anticonvulsant and psychoactive drug-induced osteomalacia (human, rats)
- ** R01NS-10558-01 Psychotropic drugs and biogenic amines (mice, rats, guinea pigs)
- PO7RR-00003-13 0054 Medical data processing research - Behavior state and long term EEG analysis
- MO1RR-00030-13 0125 General clinical research center - Intra-arterial reserpine in diabetic ulcers (human)
- ** MO1RR-00036-14 0129 General clinical research center - Anti-convulsant and psychoactive drug induced osteomalacia (human)
- MO1RR-00060-13 0036 General clinical research center - Imipramine and methylphenidate in hyperactive children
- ** MO1RR-00107-11 0049 General clinical research center - Psychotherapeutic drugs on cortisol-ACTH secretion in Cushing's disease (human)
- ** MO1RR-00336-08 0076 General clinical research center - R0-5 3350 for treatment of neuroses (human)
- MO1RR-00645-03 0053 Clinical research center - Effect of centrally-acting drugs on turnover rate of biogenic amines (human)
- MO1RR-00827-01 0031 General clinical research center - Effects of 5-hydroxytryptophan on tolerance and withdrawal in narcotics addicts
- PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS**
- R01AA-00301-03 Alcohol intake, search activity and driver performance
- R01AM-17587-01 Regulation of mammalian amino acid metabolism (rats)
- P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
- P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and prolactin levels (human)
- P02CA-13696-02 0052 Clinical cancer research center - Reactions of cancer patients to nursing intervention (human)
- R01DA-01015-01 Behavioral pharmacology of narcotics and narcotic antagonists (human)
- N01DA-30192-00 Treatment of narcotic addicts in Tehran, Iran
- N01DA-30226-00 Interactions of narcotic and narcotic antagonist with other drugs (rodents)
- N01DA-40182-00 Drug abuse potential of stimulants, depressants and hallucinogens
- ** P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
- ** P11GM-15431-08 0024 Research center for clinical pharmacology and drug toxicology - Drugs in children
- ** P11GM-15431-08 0039 Research center for clinical pharmacology and drug toxicology - Influence of age upon drug disposition and elimination (human)
- P11GM-15431-08 0041 Research center for clinical pharmacology and drug toxicology - Influence of liver disease upon drug disposition and elimination (human, rats)
- PO1GM-15904-07 0026 Anesthesiology center for research and teaching - Pain and anxiety in children with burns
- ** P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- ** P11GM-16216-06 0031 Toxicological problems of drugs (placental transfer, lactation) - Diazepam (human)
- PO1GM-16492-06 0007 Design of chemotherapeutic agents - Mass spectrometry center-Teaching programs (human)
- PO1GM-16496-06 0017 Clinical pharmacology-Pharmacokinetics - Phenothiazine tranquilizers
- R01GM-17652-01 Application of new cycloadditions to drug synthesis
- PO1GM-17806-05 0005 Nutritional factor effects on drug action - Alteration of phenothiazine PD-50 (mice)
- PO1GM-18715-02 0002 Biochemical effects and chemical reactions of drugs - Effects of drugs and metabolic disturbances on pH and brain ions (rats)
- R01GM-21311-01 Photoelectron spectroscopy of drugs and carcinogens
- R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
- R01HD-06572-02 The prediction and elicitation of maternal behavior (mice)
- PO1HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)
- R01HL-13714-04 Respiratory control in patients with hypoventilation (human)
- ** R01HL-13909-23 Physicochemistry and immunology of macromolecules (sheep)
- R01HL-16778-01 Cardiac pharmacology of phenothiazine metabolites
- R01HL-17723-01 Studies of pathophysiology of vasopressin in man
- R10MH-03701-15 0005 Clinical new chemotherapeutic agent evaluation - Controls for alcoholism chemotherapy evaluation
- R10MH-03701-15 0006 Clinical new chemotherapeutic agent evaluation - Activity and alcoholism chemotherapy
- ** R01MH-07658-12 Drugs and reactions to aversive stimuli (monkeys)
- R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
- ** PO1MH-08618-10 0048 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
- R01MH-08957-10 Early drug evaluation in neurotic outpatients
- R01MH-08958-10 Early drug evaluation in neurotic outpatients
- R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
- R01MH-16128-06 Early clinical drug evaluation unit
- ** PO1MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum
- ** PO1MH-16674-06 0010 A program of psychiatry-oriented biological research - Effects of drugs on osmotic sensitivity of synaptosomes (rats)
- PO1MH-16674-06 0017 A program of psychiatry-oriented biological research - Histamine metabolism in mental illness
- ** PO1MH-16674-06 0020 A program of psychiatry-oriented biological research - Altered behavioral sensitivity to dopamine agonists (rats)
- ** PO1MH-16674-06 0026 A program of psychiatry-oriented biological research - Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys)
- ** PO1MH-16674-06 0027 A program of psychiatry-oriented biological research - Effect of phenothiazines on mesolimbic dopamine system (rats)
- ** PO1MH-16674-06 0028 A program of psychiatry-oriented biological research - Effects of phenothiazines on homovanillic acid in brain (rabbits)
- R01MH-17471-05 Drugs on EEG correlates of behavior (primates, cats)
- R01MH-18332-05 Temporal organization in behavior and development (human)
- R01MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
- R01MH-18579-04 Comparative drug effects in hyperkinetic children
- R01MH-19477-03 Psychemotility and cognitive style in the schizophrenias
- R01MH-19506-03 0003 Hormones, the brain and primate behavior - Redirection of aggression
- R12MH-20123-03 Community alternatives for treatment of schizophrenia
- R01MH-20583-02 Pharmacotherapy of hyperactive children
- R01MH-22019-02 Psychotropic drug assessment (human)
- R01MH-22340-02 New method for studying drug effects on learning (pigeons)
- R01MH-22768-02 Neurochemical and behavioral effects of severe stress (rats)
- R10MH-24020-02 Quantitative EEG studies in psychopharmacology (human)
- R01MH-24284-01 Conformations of psychoactive substances
- R01MH-25116-01 MAO, DBH and ATPase in psychosis (human)
- R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
- PO1MH-25515-01 0009 Collaborative biological research on schizophrenia - Neurological effects of phenothiazines on the mesolimbic dopamine pathway (rats)
- R01MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
- R01NS-10903-01 Group IV analogs of amitriptyline and imipramine

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01NS-12047-04 0002 Role of lipids and lipoproteins in membranes - Phospholipid metabolism in the pineal gland (rats)
- R01NS-12047-04 0004 Role of lipids and lipoproteins in membranes - Lipid composition and metabolism in neuroblastoma clones (mice)
- ** M01RR-00032-14 0027 General clinical research center - Innovar in treatment of Meniere's disease (human)
- M01RR-00055-13 0101 General clinical research center - Non-discriminating avoidance escape procedure-chlorpromazine study (human)
- ** M01RR-00068-12 0027 General clinical research center - New antipsychotic drug (metiapine) in volunteers
- M01RR-00318-08 0063 General clinical research center - Neuroendocrinologic aspects of haloperidol (human)

PSYCHOPHARMACOLOGY

SEE ALSO DRUGS ABUSE, DRUGS ADDICTION
SEE ALSO NEUROPHARMACOLOGY
SEE ALSO PSYCHOLOGY ABNORMAL, MENTAL DISORDERS
CHEMOTHERAPY

- R01AA-00189-03 Role of cyclic AMP in ethanol action (rats)
- R01AA-00253-04 Ethanol dependence-Behavior and physiology (rats, monkeys)
- R01AA-00282-03 Control of the action of liver alcohol dehydrogenase
- R01AA-00379-01 Opiate addiction and alcoholism-Concurrent treatment
- ** R01AA-00701-02 An investigation of coprinus atramentarius
- R01AA-01245-01 Alcohol effects on behavior-Biochemical correlates (rats, mice, monkeys)
- R01AA-01387-01 Catecholamine-derived alkaloids in alcoholism (rats)
- R01DA-00014-15 Studies on opium and the opium poppy
- ** R01DA-00021-08 Syntheses of marijuana constituents (microorganisms, monkeys)
- ** R01DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
- R01DA-00033-06 Effects of marijuana on perception and cognition (human)
- R01DA-00105-03 Neuronal and social factors in the abuse of marijuana (rats)
- R01DA-00127-02 A study of chronic marijuana inhalation (dogs)
- R01DA-00137-03 Drug use related to college and career achievement
- R01DA-00139-03 Experimental drug abuse (monkeys)
- ** R10DA-00154-09 Psychopharmacology of drug dependence (monkeys)
- ** P01DA-00250-03 0012 Research center-Studies of drug dependence and abuse - Human behavioral pharmacology
- R01DA-00451-01 Metabolism-response to naloxone and naltrazone
- ** R01DA-00532-02 Biochemical psychopharmacology of abused drugs (rats)
- ** R01DA-00565-01 Physiologic mechanisms of narcotic withdrawal (rats)
- ** R01DA-00568-01 Effects of drugs on neural reinforcement processes
- R01DA-00729-01 Analysis of pharmacologic agents in biologic specimens
- ** R01DA-01035-01 Neuro-psychopharmacology of methaqualone (human)
- M R01DA-01057-01 Drugs of abuse-Pharmacokinetics, metabolism and response
- ** R01DA-01057-01 0002 Drugs of abuse-Pharmacokinetics, metabolism and response - A twin study of response to amphetamine (human)
- R01DA-01057-01 0005 Drugs of abuse-Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)
- ** R01DA-01057-01 0006 Drugs of abuse-Pharmacokinetics, metabolism and response - Analytical methodology (human)
- R01DA-01061-01 Analysis of a three year adolescent drug-use survey
- ** P01GM-18153-04 0008 Gene control of mammalian cell differentiation - Synthesis of barbiturate ribotides by brain extracts (rats)
- ** P01GM-20309-02 0015 Acute trauma study center - Drugs of abuse and trauma (human, rats)
- M01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- R01HD-00893-11 Hormonal control of behavior (rodents)
- ** P01HD-03110-07 0031 Child development and mental retardation - Psychopharmacology
- R01HD-06572-02 The prediction and elicitation of maternal behavior (mice)
- R01HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- P01HD-08338-01 0001 Control of male reproduction - Testosterone and gonadotropins in development of aggression (mice)
- R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)
- R01MH-04151-14 0005 Psychology and physiology of sleep - Sleep patterns of reptiles (crocodiles, turtles, lizards)
- R01MH-04151-14 0011 Psychology and physiology of sleep - Phasic oculomotor potentials in human sleep
- M P01MH-08618-10 Biological studies of psychotic disorders

- P01MH-08618-10 0004 Biological studies of psychotic disorders - Mechanism of action of mescaline (rats)
- P01MH-08618-10 0006 Biological studies of psychotic disorders - Amphetamine psychosis (human)
- P01MH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- P01MH-08618-10 0045 Biological studies of psychotic disorders - Relationship between dopaminergic and serotonergic systems (rats, dogs)
- P01MH-13002-06 0041 Clinical and laboratory studies of affective disorder - Modifications of developing CNS with amino acids and psychotropic drugs (monkeys)
- ** R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- R01MH-16127-06 0008 Muscle enzyme release in the acute psychoses - Failure of phencyclidine to enhance PCPK levels following stress (rats)
- ** R01MH-16127-06 0009 Muscle enzyme release in the acute psychoses - Effect of psychomimetic drugs, and epinephrine in PCPK levels (rats)
- M P01MH-16674-06 A program of psychiatry-oriented biological research
- P01MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H3 dopamine by striatal tissues-Effect of cations (rats)
- P01MH-16674-06 0005 A program of psychiatry-oriented biological research - Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats)
- P01MH-16674-06 0006 A program of psychiatry-oriented biological research - Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates
- ** P01MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum
- P01MH-16674-06 0010 A program of psychiatry-oriented biological research - Effects of drugs on osmotic sensitivity of synaptosomes (rats)
- ** P01MH-16674-06 0016 A program of psychiatry-oriented biological research - Serotonergic receptors of single molluscan neuron (land snail)
- P01MH-16674-06 0020 A program of psychiatry-oriented biological research - Altered behavioral sensitivity to dopamine agonists (rats)
- P01MH-16674-06 0026 A program of psychiatry-oriented biological research - Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys)
- P01MH-16674-06 0027 A program of psychiatry-oriented biological research - Effect of phenothiazines on mesolimbic dopamine system (rats)
- P01MH-16674-06 0028 A program of psychiatry-oriented biological research - Effects of phenothiazines on homovanillic acid in brain (rabbits)
- P01MH-16674-06 0029 A program of psychiatry-oriented biological research - Alterations in primate social behavior following infusion of dopamine
- P01MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice
- P01MH-16674-06 0035 A program of psychiatry-oriented biological research - Inhibition of non-adrenergic neurotransmission on memory consolidation in mice
- P01MH-16674-06 0036 A program of psychiatry-oriented biological research - Effect of silyldryl protecting agents on memory consolidation in mice
- P01MH-16674-06 0037 A program of psychiatry-oriented biological research - Dopamine stimulated adenylyl cyclase and cyclic AMP in caudate nucleus (rats)
- P01MH-16674-06 0038 A program of psychiatry-oriented biological research - Effect of amphetamine on primate social perception
- ** P01MH-16674-06 0042 A program of psychiatry-oriented biological research - Histamine concentration in CSF of monkeys on phenothiazines
- R01MH-16978-06 Brain studies of purposive behavior (rats)
- R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- R01MH-21747-02 Memory search and decision processes
- P01MH-23861-02 0030 Biogenic amines and behavior - Histochemical assay for lithium in brain (rats)
- ** R01MH-24260-01 Developmental psychopharmacology-Inhibitory processes
- R01MH-24333-01 Drug and perception-An experimental analysis
- R03MH-24346-01 Retroactive facilitation of memory (goldfish)
- R03MH-25059-01 Developmental neurochemical effects of amphetamine (rats)
- R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to IIT and L-dopa (human)
- R01MH-25133-02 0002 Steroid hormones in depressive illness - Prolactin response to chlorpromazine (human)
- R01MH-25133-02 0004 Steroid hormones in depressive illness - LH secretion in affective disorders (human)
- R03MH-25349-01 Physiological sleep patterns after open-heart surgery (human)
- M P01MH-25515-01 Collaborative biological research on schizophrenia

- ** P01MH-25515-01 0003 Collaborative biological research on schizophrenia - Release of dopamine and other putative neurotransmitters (rats)
- ** P01MH-25515-01 0004 Collaborative biological research on schizophrenia - Regulation of the synthesis of dopamine (rats)
- P01MH-25515-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
- ** P01MH-25515-01 0008 Collaborative biological research on schizophrenia - Regional effects of phenothiazines on dopamine turnover (cats)
- P01MH-25515-01 0009 Collaborative biological research on schizophrenia - Neurological effects of phenothiazines on the mesolimbic dopamine pathway (rats)
- ** P01MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)
- P01MH-25515-01 0011 Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
- P01MH-25515-01 0016 Collaborative biological research on schizophrenia - Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys)
- R03MH-25760-01 Effect of retrieval on stored information (rats)
- ** M01MH-40035-00 Chemical synthesis program in field of psychopharmacology
- ** M01MH-90059-09 Revise and standardize the Hopkins symptom check list
- R01NS-07758-06 NMR studies of cell excitation (frogs, rats)
- P01NS-08711-04 0005 Fundamental studies relating to multiple sclerosis - GABA transaminase (mice, rats)
- P01NS-09199-04 0002 Effect of L-dopa on synthesis of amines in brain (human, animals) - Psychiatric effects of L-dopa (human)
- M01RR-00053-13 0058 Clinical research center - Growth hormone responses to L-Dopa in depression
- M01RR-00068-12 0027 General clinical research center - New antipsychotic drug (metiapine) in volunteers
- M01RR-00070-12 0053 General clinical research center - Use of 5-HTP in normal controls (human, rats)
- M01RR-00070-12 0057 General clinical research center - L-dopa metabolism with use of decarboxylase inhibitor (human)
- P06RR-00165-14 Support of the Yerkes Regional Primate Research Center
- ** P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- M01RR-00828-01 0013 General clinical research center - Determination of disulfiram metabolites in urine (human)

PSYCHOPHARMACOLOGY (CLINICAL) RESEARCH REVIEW COMMITTEE

- R10MH-03030-15 Improved clinical screening of phenothiazine drugs (human)
- ** R10MH-03701-15 Clinical new chemotherapeutic agent evaluation
- ** R10MH-04665-14 Childrens psychopharmacology unit
- M R10MH-04669-14 Controlled drug evaluation
- ** R10MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
- ** R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
- R01MH-08954-10 Methodology of outpatient drug research (human)
- ** R01MH-08957-10 Early drug evaluation in neurotic outpatients
- ** R01MH-08958-10 Early drug evaluation in neurotic outpatients
- M R01MH-12279-09 Drug studies with women, elderly and groups
- ** R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
- ** R01MH-13738-07 Drug therapy of depressed outpatients
- ** R01MH-14432-07 Early screening and long-term drug therapy of children
- R01MH-14675-07 Psychopharmacology computer research
- ** R01MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)
- R10MH-15829-06 NIMH-PRB collaborative outpatient schizophrenia study
- ** R01MH-16128-06 Early clinical drug evaluation unit
- ** R01MH-16631-05 Drug and family therapy in depressed outpatients
- ** R01MH-17654-04 Patient profiles and differential response to drugs
- ** R01MH-17728-05 Follow-up of maintenance treatment for depression (human)
- ** R01MH-17968-05 Chlorpromazine metabolism in acute schizophrenia (human)
- ** R01MH-18180-05 Outpatient pediatric psychopharmacology
- ** R01MH-18579-04 Comparative drug effects in hyperkalemic children
- ** P01MH-18909-04 Pediatric psychopharmacology (human, rats)
- ** R01MH-19211-04 Psychotropic drugs and slow potentials in man

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M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

** R01MH-20321-03 Phenothiazine and schizophrenic thought disorder (human)
 ** R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
 ** R01MH-20583-02 Pharmacotherapy of hyperactive children
 R01MH-20802-03 Comparative drug treatment for hyperactive children
 ** R01MH-21133-03 Plasma levels of imipramine and clinical outcome (human)
 ** R01MH-21205-02 Stimulus modulation and drugs in hyperkinesia (human)
 ** R01MH-21337-02 Drugs in the aftercare treatment of schizophrenia
 ** R01MH-21890-02 Intensive inpatient psychiatric monitoring program
 ** R01MH-21934-02 Lithium and aggressive behavior (human)
 ** R01MH-22019-02 Psychotropic drug assessment (human)
 ** R01MH-22149-02 Effects of amphetamine on children
 R01MH-22659-02 Treating minimal brain dysfunction and hyperactivity (human)
 ** R01MH-23007-02 Imipramine behavior therapy and phobia
 ** R01MH-23925-02 Long acting drugs with after care of schizophrenics
 ** R10MH-24020-02 Quantitative EEG studies in psychopharmacology (human)
 R01MH-24337-01 Hyper-and normobaric oxygen in senility
 ** R01MH-24354-02 Development of drug-sensitive symptom rating scales
 ** R01MH-24969-01 PRB collaborative study of long acting fluphenazine (human)
 ** R01MH-24976-01 NIMH-PRB collaborative study of long acting fluphenazine
 ** R01MH-24977-01 NIMH-PRE collaborative study of long acting fluphenazine (human)
 ** R01MH-24978-01 NIMH-PRB collaborative study on long acting fluphenazine
 ** R01MH-25433-01 Electrolyte transport systems in affective illness (rabbits)
 ** R10MH-26196-01 Analysis-Collaborative outpatient schizophrenia

PSYCHOPHARMACOLOGY (PRECUNICAL) RESEARCH REVIEW COMMITTEE

** R01DA-00869-01 Drug abuse and regulatory enzymes of biogenic amines
 ** R01HL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)
 ** R01MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
 R01MH-02717-16 Role of biogenic amines in central nervous system (mice,rats, monkeys, cattle, h
 R01MH-03225-15 Neurochemical correlates of behavior (rats, pigeons)
 ** R01MH-04582-13 Synthesis of compounds related to lysergic acid (rats, mice, guinea pigs)
 ** R01MH-04954-13 Limbic system lesions and brain neurohumors (rats, rabbits)
 ** R01MH-05831-13 Mechanisms of storage and release of amines (rats, rabbits)
 ** R01MH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)
 R01MH-07658-12 Drugs and reactions to aversive stimuli (monkeys)
 R01MH-08833-11 Neuropharmacologic studies of local brain function (cats)
 R01MH-11191-09 Brain amines and behavior (mice)
 M R10MH-11468-09 Psychopharmacology research center
 ** R01MH-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
 ** R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
 M R01MH-12007-08 Psychoactive phenolic amine analysis
 ** R01MH-12526-09 Drug effects on learning and memory (rats, mice)
 M P01MH-12568-08 Neuropsychopharmacological studies of attention
 R01MH-13026-07 Pharmacogenetics of audiogenic seizures (mice)
 R01MH-13174-07 Catecholamines as central nervous transmitters (rats, cats)
 ** R01MH-13186-08 LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats)
 R01MH-13595-08 Behavior and drug effects during chronic stress (rats, mice)
 R01MH-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
 ** R01MH-14092-07 Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle)
 M R01MH-14110-07 Neural modulation and transmission
 R01MH-14520-06 Pharmacology of sleep-Long-term studies (human, rats)
 ** P01MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
 ** R01MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)
 M R01MH-15413-06 Psychopharmacology of biogenic amines in depression
 ** R01MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)

R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats,monkeys)
 M R01MH-16841-06 Effect of central nervous system lesions on drug action
 R01MH-17018-05 Mucopolysaccharides in brain (rats, rabbits, cattle)
 ** R01MH-17279-05 Psychoactive drugs and the organization of behavior (rats)
 ** R01MH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
 ** R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 R01MH-17471-05 Drugs on EEG correlates of behavior (primates, cats)
 ** R01MH-17489-05 Psychopharmacologic activity-Quantum chemical study (rats)
 ** R01MH-17691-05 Interactions of drugs with brain acetylcholine (rats, cats, mice)
 ** R01MH-17871-05 Psychotogenic drug action on chemically defined neurons (rats)
 ** R01MH-18038-05 Mechanistic study of biological transmethylation
 ** R01MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
 ** R01MH-18501-04 Neurochemical actions of psychotropic drugs (rats, rabbits,monkeys, guinea pigs)
 ** R01MH-18949-04 Central neurophysiology of the functional psychoses (human, animals)
 ** R01MH-18967-04 Quantum calculations for psychopharmacology
 ** R01MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
 ** R01MH-19734-04 Isoenzymes of monoamine oxidase in developing brain (human, chick embryo)
 R01MH-20142-03 Mechanism of action of psychotomimetic drugs (rats, frogs)
 ** R01MH-20500-02 Extrapyramidal dyskinesias and brain amine metabolism
 R01MH-20620-03 Psychopharmacology of brain norepinephrine (rats)
 ** R01MH-20686-03 Psychotropic agents and aminergic receptors
 ** R01MH-20785-03 Complex behavioral repertoires (primates, birds)
 ** R01MH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)
 R01MH-20946-02 Psychoactive agents in the brain (rats)
 ** R01MH-21042-03 Folic acid and behavior
 ** R01MH-21090-03 Preclinical studies of rubidium in affective illness (dogs,primates)
 ** R01MH-21247-03 Comparative drug studies of aggressive mechanism (mammals, frogs, orthoptera)
 ** R01MH-21327-03 Psychopharmacologic agents and drug metabolism
 ** R01MH-21539-03 Chemistry and mechanism of action of monoamine oxidase (cattle)
 ** R01MH-21577-02 Behavior control of drug-induced aggression (rats)
 ** R01MH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
 ** R01MH-21730-03 Role of metal chelates in biogenic amine activity
 ** R01MH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
 ** R01MH-21874-03 Brain specific MAO-Characterization and localization (monkeys)
 R01MH-21875-03 Biochemical studies of brain synapse regions (rats)
 ** R01MH-21978-03 Pharmacology of methylated norepinephrine derivatives (rats)
 ** R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
 ** R01MH-22340-02 New method for studying drug effects on learning (pigeons)
 ** R01MH-22570-02 Amphetamine tolerance-Central and peripheral studies (rodents)
 ** R01MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
 ** R01MH-22768-02 Neurochemical and behavioral effects of severe stress (rats)
 R01MH-23007-02 Imipramine behavior therapy and phobia
 ** R01MH-23414-02 Central actions of hallucinogenic drugs (rabbits, rats)
 ** R01MH-23464-02 Biochemistry of psychopharmacological agents (liver flukes, lobsters, mammals)
 R01MH-23685-02 Drug-schedule interactions and intercurrent behavior (rats, squirrels)
 ** R01MH-23839-01 Chemistry and pharmacology of biogenic amine uptake (rats)
 ** R01MH-23879-02 Drugs and memory (rats, mice)
 R01MH-23880-02 Behavioral effects of drugs in Macaca mulatta
 ** R01MH-23989-02 Psychotropic drug and cytogenetic effects (human)
 ** R01MH-24114-01 Chemistry of reward and related behaviors
 ** R01MH-24135-01 Immunologic investigation of barbiturate pharmacology (mice, rabbits)
 ** R01MH-24188-01 Plasma chlorpromazine in psychiatric management

R01MH-24244-01 Effects of psychotropic drugs on brain nuclear RNA (rats)
 ** R01MH-24260-01 Developmental psychopharmacology-Inhibitory processes
 ** R01MH-24284-01 Conformations of psychoactive substances
 ** R01MH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)
 ** R01MH-24333-01 Drug and perception-An experimental analysis
 ** R01MH-24593-01 Neurohumoral determinants of sensitivity to LSD
 ** R01MH-24604-01 Toxicity of psychotropic drugs on aminergic neurons
 ** R01MH-24607-01 Monoamines and mental illness (primates)
 ** R01MH-24949-01 Drugs, behavior and the cholinergic nervous system
 ** R01MH-25075-01 Ontogenetic behavior effects of drugs (rats)
 ** R01MH-25164-01 Paradoxical drug effects on hyperkinesia (squirrel monkeys)
 ** R01MH-25168-01 Brain metabolism through microwave heating (rats, mice)
 ** R01MH-25170-01 Toxic interaction of opiates with COMT inhibitors
 ** R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
 ** R01MH-25444-01 Drugs, aggression and neurochemistry (mice)
 ** R01MH-25479-01 Magnetic circular dichorism of substituted indoles (cockroaches, rats)
 ** R01MH-25504-01 Neuroleptics and antidepressants on central MAO neurons
 ** R01MH-25505-01 Drugs, catechol amines and Krebs cycle interaction
 ** R13MH-25572-01 Conference on neurobiology of CNS-hormone interactions
 ** R01MH-25601-01 Brain dopamine-beta-hydroxylase regulation and behavior
 ** P01MH-25642-01 Neurobiological basis of major psychiatric disorders
 R01MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
 ** R01MH-25645-01 Chlorpromazine excretion-Isotopo vs chemical assay
 ** R01MH-26236-01 Interaction of alcohol, barbiturates and narcotics
 M R01MH-26237-01 Biogenic amine and CNS phospholipid metabolism
 ** R01MS-10886-08 Pharmacology of isolated cerebral cortex (human, cat, primates)
 ** R01NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
 ** R01NS-12041-01 Biogenic aldehydes-A role in CNS function (mice)
 ** R01NS-12050-01 Electrophysiology of indoleamines in thalamus

PSYCHOPHYSICS

P13DE-02731-08 0011 Development support for dental research institute - Dental research bioengineering (human)
 NO1DE-32425-01 Fluorescent dye diagnosis for detection of dental caries (human)
 ** R01ES-00592-03 Odor psychophysics-Intensity, adaptation and masking (human)
 R01ES-00880-02 Taste of water-Effects of solutes and adaptation (human, rats)
 R01EY-00005-19 Physiological optics (human)
 R01EY-00053-05 Neural mechanisms of vision (squid, rabbits, cats)
 R01EY-00105-05 Vision in all-cone visual systems (squirrels)
 R01EY-00125-05 Superior colliculus and the control of eye movements (monkeys, cats)
 R01EY-00148-04 Interaction between receptor classes in retina (human)
 ** R01EY-00187-20 Psychophysiological and optical studies of vision (human, monkeys)
 R01EY-00188-19 Electrical activity, single receptors, neurons of eye (cats, limulus)
 R01EY-00204-15 Etiology of reduced visual function (human, animals)
 R01EY-00213-15 ERG and psychophysical studies in retinal disorders (human)
 R01EY-00220-13 Retinal and central visual function (human)
 P01EY-00227-13 0020 The posterior segment of the eye - Human visual evoked responses
 R01EY-00308-08 Visual processes with a motionless retinal image (human, cat)
 R01EY-00321-09 Movement and contour processes in human vision
 R01EY-00325-09 Stimulus variables in monocular fixation (human, primate)
 R01EY-00355-07 Behavioral visual function (turtles, pigeons)
 R01EY-00360-08 Spatial integration in human vision
 R01EY-00375-06 Eye movements and visual direction (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- RO1EY-00376-07 Effect of visual deprivation on vision (rats, cats)
- RO1EY-00379-06 Functional organization of the retina (rats, state)
- RO1EY-00381-07 Excitability of visual pathways (humans, monkeys)
- RO1EY-00383-12 Effects of illumination on binocular space perception (human)
- RO1EY-00412-05 Clinical ERG with photopic patterned stimuli (human, rabbits)
- RO1EY-00421-06 Visual increment thresholds (human, monkeys)
- RO1EY-00460-06 Vision and intraretinal potentials (frogs, neoturus)
- RO1EY-00508-05 Chemistry and physiology of visual excitation (human, animals)
- RO1EY-00539-04 Spatial interactions in human vision
- RO1EY-00561-05 Intracellular studies of retina function (Neoturus)
- RO1EY-00589-07 Stimulus alternation and visual potentials (human)
- RO1EY-00684-04 Transmission of signals through human retina
- RO1EY-00686-04 Portable seeing aid
- RO1EY-00701-02 Single cell studies in optic tract (cats)
- RO1EY-00735-04 Behavioral analysis of visual system evolution (pigeons)
- RO1EY-00742-03 Studies of binocular vision (human, cats)
- RO1EY-00788-02 Duplcity theory and the Stiles-Crawford effect (human)
- RO1EY-00901-01 Psychophysical studies of color-defective observers (human)
- RO1EY-00907-01 Correlates of binocular visual stimulation (cats)
- RO1EY-00931-03 Stereoscopic vision in animals (cat, falcon)
- ** RO1EY-00953-03 Selective mechanisms in vision (human, cats)
- RO1EY-01031-01 Experimental study of visual accommodation
- RO1EY-01049-02 Eye-position information processed in frontal cortex (monkeys)
- RO1EY-01079-01 Clinical aspects of the transscleral VER (human)
- ** RO1EY-01172-02 Opponent-color codes-Cancellation and magnitude codes (human)
- PO1EY-01186-02 0004 The visual science research center grant - Objective measurement of visual functions (human, cats)
- ** PO1EY-01186-02 0006 The visual science research center grant - Sensory substitution (human)
- RO1EY-01191-02 0001 Vision and visuomotor mechanisms - Development of visual acuity of young children
- RO1EY-01191-02 0003 Vision and visuomotor mechanisms - Multiple modes of processing visual stimuli (human)
- RO1EY-01201-01 Lateral inhibition and metacontrast (human)
- RO1EY-01221-01 Ionic mechanisms for retinal neuron potentials (mice)
- RO1EY-01264-01 Eye movement-induced changes in visual function (human, animals)
- RO1EY-01268-02 Development and functions of visual cortex (cats)
- RO1EY-01310-01 Fovea-Anatomical and behavioral studies (animals)
- RO1EY-01318-01 Metallic ions in the vitreous body of the eye (rabbits)
- ** PO1EY-01319-01 0008 Visual science research center support - Temporal factors in vision
- ** PO1EY-01319-01 0009 Visual science research center support - Heterochromatic matching
- ** PO1EY-01319-01 0010 Visual science research center support - Spatial orientation
- ** PO1EY-01319-01 0011 Visual science research center support - Photochromatic interval in the dark adapted eye
- ** PO1EY-01319-01 0012 Visual science research center support - Behavioral studies of visual processes (primates)
- ** PO1EY-01319-01 0013 Visual science research center support - Pupil response for chromatin mechanism
- ** PO1EY-01319-01 0014 Visual science research center support - Additional research
- ** PO1EY-01319-01 0019 Visual science research center support - Visual masking
- RO1EY-01325-01 Effects of refractive error in single cell coding (rabbits, monkeys)
- RO1EY-01336-01 Problems in human vision
- R23EY-01391-01 Cause and time course of accommodative microspia (human)
- RO1EY-01394-01 Vory early dark adaptation from intense bleaching (human)
- RO1EY-01497-01 Visual processing during eye movement (primates, human)
- PO1GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
- ** PO1GM-18940-02 0003 Study of radiologic images - System and observer performance
- PO1GM-19428-03 0011 Computer aided biomedical pattern recognition - Diagnostic radiology (human)
- RO1HD-06921-02 Language attitudes of bilingual Chicanos
- RO1HD-07163-02 Visual-auditory equivalence in pattern perception (children, adults)
- RO1MH-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
- RO1MH-02456-16 Comparative psychophysics and stimulus control (pigeons)
- RO1MH-03859-13 0003 Developmental-interactive aspects of hypnosis - Hypnotic behavior and the hypnotic state
- RO1MH-07809-11 A quantitative analysis of judgment (human)
- PO1MH-08667-10 0008 A longitudinal epidemiology of impaired competence - Assessment problems in determining stimulus thresholds for the mentally retarded
- PO1MH-10006-10 0001 Research center for quantitative psychology - Human decision behavior
- RO1MH-16327-06 Determinants of visual perception (human)
- RO1MH-19006-04 Models of memory and time processes
- RO1MH-22296-02 Variables influencing pain produced by electric shock (human)
- RO1MH-23628-02 Psychophysics of muscle tension in mental patients
- RO1MH-24016-01 An experimental approach to a form perception theory (human)
- RO3MH-24534-01 Dynamics of warmth and cold (human)
- RO3MH-24728-01 Visual spatial frequency channels in primate cortex
- ** RO1MS-01310-18 Psychophysical characteristics of hearing disorders (human)
- RO1MS-02484-14 Measurement of hearing by operant methods (rats, cats)
- ** RO1MS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
- PO1MS-03358-13 0024 Sensory disease clinical research center - Psychoacoustics (human)
- PO1MS-03627-12 0001 Cerebral and related systems - Human vision
- RO1MS-03654-13 Mechanical properties of the ear (human, cats)
- M PO1MS-03856-12 Auditory communication and its disorders
- ** PO1MS-03856-12 0005 Auditory communication and its disorders - Psychophysics and perception (human)
- RO1MS-03950-12 Sensory processes (horse shoe crab)
- RO1MS-04755-11 Parameters of cutaneous communication (human)
- RO1MS-05077-11 Latency-intensity functions in the auditory system (monkeys)
- ** PO1MS-05785-09 0001 Causes of deafness - Aural amplitude distortion (human)
- RO1MS-06205-07 Tactile communication of speech to the deaf (human)
- PO1MS-06225-09 0005 Cerebral localization - Single unit studies in the auditory system (cats, primates, birds)
- RO1MS-06371-08 Neural correlates of somatic sensibility (monkeys, racoons, opossum)
- PO1MS-06459-09 0083 Communication sciences - Special and temporal properties of the binaural system
- ** PO1MS-06828-08 0011 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of pain sensibility (monkeys, human)
- ** PO1MS-06828-08 0027 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of warmth sensibility (human, monkeys)
- ** PO1MS-06828-08 0029 Neurophysiology-Sensory systems and cerebral cortex - Central nervous mechanism in pain (monkeys)
- ** PO1MS-06828-08 0030 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity in patterns during fixation gaze (monkeys)
- RO1MS-07261-08 Spinal somesthetic pathways (monkeys)
- ** PO1MS-07468-07 Sensory biology research center
- RO1MS-07498-07 Peripheral auditory mechanisms (cats)
- RO1MS-07787-06 Psychophysiological studies of binaural interaction (human, cats)
- P15MS-07790-07 Auditory dysfunction of the cochlea (human)
- RO1MS-08057-06 Processing of visual information (turtles, pigeons)
- RO1MS-08181-05 Auditory thalamo-cortical projections (monkeys)
- ** RO1MS-08470-06 Dynamic modelling of knee joint receptor activity (human)
- ** RO1MS-08754-05 Psychophysics of binaural hearing (human)
- RO1MS-09361-04 Plasticity of the simplest neuronal pathways (animals)
- RO1MS-09713-02 Loudness, discrimination and amplification relationships (human)
- RO1MS-09783-04 Parameters of cutaneous coding and pattern perception (human)
- M PO1MS-09823-04 Communicative disorders clinical research center
- ** RO1MS-09864-04 Tactile peripheral nerve recordings and psychophysics (human)
- RO1MS-09874-02 Steady-state and transient masking with sinusoids (human)
- RO1MS-09940-03 Responses to suprathreshold vibratory stimulation (human)
- RO1MS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
- RO1MS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
- RO1MS-10405-03 Neural coding of taste-quality information (rats)
- PO1MS-10468-03 0001 The perception of speech events - Studies in audition (human)
- PO1MS-10468-03 0004 The perception of speech events - Voice (human, dogs)
- RO1MS-10482-03 Studies of the auditory system (human, cats)
- RO1MS-10561-01 Auditory imperception of complex acoustic signals (human)
- RO1MS-10843-01 Detection and recognition in audition and vision
- RO1MS-10916-01 Binaural hearing (human)
- ** RO1MS-11153-01 Intensity perception (human)
- RO1MS-11154-01 Role of spectral cues in sound localization
- ** RO1MS-11157-01 Interaction of interaural time (phase) and intensity (human)
- ** RO1MS-11563-01 Psychophysical study of pattern-sensitive epilepsy (human)
- RO1MS-11620-01 Masking mechanisms (human)
- RO1MS-11680-01 Auditory pitch processing of complex tones (human)
- RO1MS-11804-01 Intracochlear stimulation and prosthesis (human, cats)
- RO1MS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)
- PSYCHOPHYSICS, PSYCHOACOUSTICS**
SEE ALSO PHYSICAL PROPERTIES, SOUND
SEE ALSO PHYSICAL PROPERTIES, SOUND, NOISE BIOLOGICAL EFFECT
- RO1MH-18422-04 Psychoacoustic research in psychopathology (human)
- RO1MS-09713-02 Loudness, discrimination and amplification relationships (human)
- RO1MS-10197-03 Synthesis of new CNS agents
- PSYCHOPHYSIOLOGIC DISORDERS**
SEE PSYCHOLOGY ABNORMAL, PSYCHOPHYSIOLOGIC DISORDERS
- PSYCHOPHYSIOLOGY**
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
- PSYCHOSEXUAL DEVELOPMENT**
SEE PSYCHOLOGY, PERSONALITY DEVELOPMENT, PSYCHOSEXUAL DEVELOPMENT
- PSYCHOSIS**
SEE ALSO BRAIN DISORDERS, CEREBRAL ATROPHY DIFFUSE
SEE ALSO CONGENITAL ABNORMALITIES, NEUROLOGICAL, DYSAUTONOMIA FAMILIAL
SEE ALSO SENSORY-PERCEPTUAL DISORDERS, HALLUCINATIONS
- RO1AM-15162-03 Factors affecting renal lithium elimination (human, rats)
- PO1HD-03110-07 0034 Child development and mental retardation - Child psychiatry research
- PO1HD-05027-05 0013 Developmental psychology - Development of attention
- RO1MH-02717-16 Role of biogenic amines in central nervous system (mice,rats, monkeys, cattle, h
- M PO1MH-08618-10 Biological studies of psychotic disorders
- ** PO1MH-08618-10 0006 Biological studies of psychotic disorders - Amphetamine psychosis (human)
- ** PO1MH-08618-10 0031 Biological studies of psychotic disorders - Acquisition of behavioral data (human)
- PO1MH-08618-10 0048 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
- ** PO1MH-08618-10 0049 Biological studies of psychotic disorders - Management of drug-free disturbed patients
- RO1MH-12043-07 Influence of parental psychosis on child development
- ** RO1MH-12507-09 Electrophysiological studies of psychiatric disorder
- PO1MH-13002-06 0001 Clinical and laboratory studies of affective disorder - Social effectiveness
- PO1MH-13002-06 0009 Clinical and laboratory studies of affective disorder - Electrotherapy in patients with heart disease
- PO1MH-13002-06 0018 Clinical and laboratory studies of affective disorder - The psychiatric emergency room
- ** PO1MH-13002-06 0019 Clinical and laboratory studies of affective disorder - Onset of affective disorders in a normal population
- PO1MH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder
- PO1MH-13002-06 0034 Clinical and laboratory studies of affective disorder - Taxonomy of psychiatric diagnosis
- PO1MH-13002-06 0035 Clinical and laboratory studies of affective disorder - Follow-up of adolescents with affective disorders
- M RO1MH-16127-06 Muscle enzyme release in the acute psychoses
- ** RO1MH-16127-06 0001 Muscle enzyme release in the acute psychoses - Clinical-chemical correlations (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** R01MH-16127-06 0002 Muscle enzyme release in the acute psychoses - Additional evidence for muscle abnormalities (human)
 ** R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
 ** R01MH-16127-06 0005 Muscle enzyme release in the acute psychoses - Biochemical basis for variation in SCPK activity (human)
 ** R01MH-16127-06 0006 Muscle enzyme release in the acute psychoses - Ancillary studies (human)
 P01MH-16674-06 0017 A program of psychiatry-oriented biological research - Histamine metabolism in mental illness
 ** R01MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
 R01MH-18180-05 Outpatient pediatric psychopharmacology
 ** R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
 ** R01MH-18438-05 Etiology and prognosis in childhood psychosis (human)
 ** R01MH-18857-02 Offspring of psychotic women (Sweden)
 R01MH-20712-03 Adoption studies on affective disorder (human)
 R01MH-20743-03 The child's creative learning space
 R01MH-21934-02 Lithium and aggressive behavior (human)
 R01MH-22890-02 Behavior modification-Evaluating effects on patients
 R01MH-23441-01 Adult adjustment predicted from childhood assessment
 R01MH-24105-01 Parameters of low-energy electroconvulsive therapy (human)
 ** R01MH-24819-01 A short term developmental study of children at risk
 R01MH-25133-02 0006 Steroid hormones in depressive illness - Correlations with MHPG excretion and epinephrine (human)
 R03MH-25349-01 Physiological sleep patterns after open-heart surgery (human)
 R01MH-25435-01 The group of schizoaffective and related psychoses
 ** R01MH-25935-01 Social competence and behavior style in mental patients
 R01NS-00361-19 Quantitative histochemical studies upon cerebral cortex (human)
 P01NS-03358-13 0020 Sensory disease clinical research center - Speech and speech pathology

PSYCHOSIS, ALCOHOLIC

SEE ALCOHOLISM - DRINKING, PSYCHOSES ALCOHOLIC

PSYCHOSIS, AUTISM, EARLY INFANTILE

** R03MH-25452-01 Early infantile autism (human)

PSYCHOSIS, DEPRESSIVE (GENERAL)

SEE ALSO PSYCHOSIS, MANIC-DEPRESSIVE

R01MH-18422-04 Psychoacoustic research in psychopathology (human)
 R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
 M01RR-00284-08 0030 General clinical research center-pediatric - Affective disorders of childhood

PSYCHOSIS, DEPRESSIVE, REACTIVE PSYCHOTIC DEPRESSION

R01MH-25546-01 Psychotherapy of depression-Computer outcome measures

PSYCHOSIS, INVOLUTIONAL

** R12MH-23864-02 CRB NMH collaborative depression studies II-SADS

PSYCHOSIS, MANIC-DEPRESSIVE

SEE ALSO PSYCHOLOGY, EMOTIONS, DEPRESSION

SEE ALSO PSYCHOSIS, MANIC-DEPRESSIVE, DEPRESSIVE PHASE

R01GM-16697-06 Genetics of human behavior and mental traits
 ** R01MH-04669-14 0007 Controlled drug evaluation - Rebound phenomena in manic patients following physostigmine
 R01MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 R01MH-11468-09 0030 Psychopharmacology research center - Serum tryptophan in man
 R01MH-11468-09 0033 Psychopharmacology research center - Cholinergic mechanisms in mania depression and schizophrenia (rats)
 R01MH-11468-09 0035 Psychopharmacology research center - Clinical studies on plasma levels of cyclic AMP
 R01MH-11976-10 Communication through nonverbal behavior
 M P01MH-13002-06 Clinical and laboratory studies of affective disorder
 ** P01MH-13002-06 0001 Clinical and laboratory studies of affective disorder - Social effectiveness
 P01MH-13002-06 0018 Clinical and laboratory studies of affective disorder - The psychiatric emergency room

P01MH-13002-06 0019 Clinical and laboratory studies of affective disorder - Onset of affective disorders in a normal population
 P01MH-13002-06 0034 Clinical and laboratory studies of affective disorder - Taxonomy of psychiatric diagnosis
 P01MH-13002-06 0035 Clinical and laboratory studies of affective disorder - Follow-up of adolescents with affective disorders
 ** R01MH-15413-06 0009 Psychopharmacology of biogenic amines in depression - Clinical studies-Lithium salts and biogenic amine metabolism (human)
 R01MH-15413-06 0011 Psychopharmacology of biogenic amines in depression - Clinical studies-Changes in biogenic amine metabolism (human)
 R01MH-15413-06 0012 Psychopharmacology of biogenic amines in depression - Clinical studies-Sleep and dreams (human)
 R01MH-15413-06 0013 Psychopharmacology of biogenic amines in depression - Clinical studies-Drugs and biogenic amine metabolism (human)
 R01MH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
 ** R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 R01MH-18857-02 Offspring of psychotic women (Sweden)
 R01MH-18864-04 Epidemiology of achievement and psychiatric status
 R01MH-18949-04 Central neurophysiology of the functional psychoses (human, animals)
 ** R01MH-20712-03 Adoption studies on affective disorder (human)
 R01MH-21350-01 Circadian rhythm uncoupling and affect disease
 ** P01MH-21586-02 Biogenetic studies of the affective disorders
 R01MH-21638-03 Psychotropic drugs and brain norepinephrine metabolism (human)
 R01MH-24104-02 Histamine metabolism in mental illness (human)
 ** R01MH-24393-02 0004 MHPG excretion, catecholamine metabolism, and depression - Longitudinal studies of patients with alternating manic and depressive episodes
 ** R01MH-25133-02 Steroid hormones in depressive illness
 ** P01MH-25515-01 0002 Collaborative biological research on schizophrenia - Cell biology-Normals, schizophrenics and bipolar depressives (human)
 ** R01MH-25521-01 Genetics of manic depressive illness-Bipolar type
 ** M01RR-00096-14 0063 Clinical research center - Effects of TRH in manic depressive psychosis (human)
 M01RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)

PSYCHOSIS, MANIC-DEPRESSIVE, DEPRESSIVE PHASE

SEE ALSO PSYCHOSIS, MANIC-DEPRESSIVE

** P01MH-11668-09 0015 Psychosocial factors in health and disease - Identification of clinical depression by symptomatic behavior
 ** P01MH-13002-06 0009 Clinical and laboratory studies of affective disorder - Electrotherapy in patients with heart disease
 ** P01MH-13002-06 0011 Clinical and laboratory studies of affective disorder - Brain biochemistry
 R01MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)
 R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 P01MH-21586-02 Biogenetic studies of the affective disorders
 ** R12MH-23864-02 CRB NMH collaborative depression studies II-SADS
 ** R01MH-24189-01 Epidemiology-Mania, depression and schizophrenia
 ** R01MH-24393-02 0003 MHPG excretion, catecholamine metabolism, and depression - Clinical characteristics of depression associated with decreased MHPG excretion
 R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
 ** R01MH-25133-02 0004 Steroid hormones in depressive illness - LH secretion in affective disorders (human)
 ** R01MH-25133-02 0007 Steroid hormones in depressive illness - Depression and mania in Cushing's syndrome (human)
 ** M01MH-04127-00 Development of video methods for measuring changes in mental illness
 ** M01RR-00040-14 0076 General clinical research center - Manic-depression, recurrent depression and indole-catechol free diet (human)
 M01RR-00053-13 0005 Clinical research center - Influence of antidepressants on cortisol metabolism (human)
 ** M01RR-00053-13 0026 Clinical research center - Cortisol secretion in depression (human)
 ** M01RR-00053-13 0027 Clinical research center - Somatotropin response to insulin tolerance in depression, schizophrenia (human)
 ** M01RR-00053-13 0046 Clinical research center - Disrupted 24-hour patterns of cortisol secretion in psychotic depression (human)

** M01RR-00053-13 0048 Clinical research center - Plasma and urinary testosterone levels in depressed men
 ** M01RR-00053-13 0058 Clinical research center - Growth hormone responses to L-Dopa in depression
 M01RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)

PSYCHOSIS, MANIC-DEPRESSIVE, MANIC PHASE

** P01CA-07304-11 0028 Steroid hormone production and metabolism in cancer - Mania
 R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 ** R01MH-24189-01 Epidemiology-Mania, depression and schizophrenia
 ** R01MH-25133-02 0007 Steroid hormones in depressive illness - Depression and mania in Cushing's syndrome (human)
 ** M01RR-00053-13 0025 Clinical research center - Cortisol production in mania (human)
 M01RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)

PSYCHOSIS, PARANOIA

** P01MH-16674-06 0038 A program of psychiatry-oriented biological research - Effect of amphetamine on primate social perception

PSYCHOSIS, PRESENILE

SEE BRAIN DISORDERS, CEREBRAL ATROPHY DIFFUSE, PRESENILE DEMENTIA

PSYCHOSIS, SCHIZOPHRENIA

** R01AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
 R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
 ** P11GM-15431-08 0036 Research center for clinical pharmacology and drug toxicology - Plasma levels, efficacy and side effects of phenothiazines (human)
 ** P01GM-17806-05 0019 Nutritional factor effects on drug action - Amphetamine-like reactions possibly related to schizophrenic reaction
 P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
 R10MH-03030-15 Improved clinical screening of phenotropic drugs (human)
 ** R01MH-03701-15 0001 Clinical new chemotherapeutic agent evaluation - Activity and chronic schizophrenia chemotherapy
 ** R01MH-03701-15 0002 Clinical new chemotherapeutic agent evaluation - Controls in chronic schizophrenia chemotherapy evaluation
 ** R01MH-03701-15 0003 Clinical new chemotherapeutic agent evaluation - Long term chronic schizophrenia chemotherapy
 ** R01MH-03701-15 0004 Clinical new chemotherapeutic agent evaluation - Acute and adolescent schizophrenia
 R01MH-03701-15 0008 Clinical new chemotherapeutic agent evaluation - Drug levels in blood
 R01MH-04151-14 0011 Psychology and physiology of sleep - Phasic oculomotor potentials in human sleep
 ** R01MH-04669-14 0001 Controlled drug evaluation - Behavioral effects of L-dopa in schizophrenic patients
 R01MH-04669-14 0002 Controlled drug evaluation - Response threshold to L-dopa in psychiatric patients
 ** R01MH-04669-14 0003 Controlled drug evaluation - Antinuclear factor in psychiatric patients
 ** R01MH-04669-14 0005 Controlled drug evaluation - Possible role of chlorpromazine metabolites in schizophrenia therapy
 R01MH-04669-14 0006 Controlled drug evaluation - Platelet MAO activity in psychiatric patients
 R01MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 P01MH-05519-13 Psychosomatic clinical research center
 ** P01MH-05519-13 0016 Psychosomatic clinical research center - Characteristics of schizophrenics in immediate recall of word-lists
 ** P01MH-05519-13 0017 Psychosomatic clinical research center - Pleasure-deficit of schizophrenics
 ** P01MH-05519-13 0018 Psychosomatic clinical research center - Effect of linguistic constraints on memorization of sentences by schizophrenics
 ** P01MH-05519-13 0019 Psychosomatic clinical research center - Structure of word-storage in memory of schizophrenics
 ** P01MH-05519-13 0020 Psychosomatic clinical research center - Recognition memory of schizophrenics
 ** P01MH-05519-13 0021 Psychosomatic clinical research center - Perceptual memory for numerosness in schizophrenia
 ** P01MH-05519-13 0022 Psychosomatic clinical research center - The serial position effect of free recall in schizophrenia
 ** P01MH-05519-13 0023 Psychosomatic clinical research center - Effects of affective imagery on paired-associate learning of schizophrenics
 ** R01MH-08240-11 Drug-screening program for drug-resistant schizophrenics

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01MH-08618-10 0041 Biological studies of psychotic disorders 2 Studies of oldemethyase (human)
- P01MH-08618-10 0042 Biological studies of psychotic disorders - Studies of N-acetylase (rats, human)
- P01MH-08618-10 0044 Biological studies of psychotic disorders - Hydroxyindole-O-methyltransferase and N-methyltransferase (human)
- P01MH-08618-10 0048 Biological studies of psychotic disorders - Psychopharmacology and dopaminergic and cholinergic systems (human)
- ** P01MH-08667-10 0016 A longitudinal epidemiology of impaired competence - Behaviors labeled Mentally III and the Mentally III role
- ** R01MH-08744-10 Coping behavior in schizophrenia
- ** R12MH-09239-07 International study of schizophrenia
- ** R12MH-09252-07 Serological fractions in schizophrenics and controls (human, primates, rats)
- R10MH-11468-09 0025 Psychopharmacology research center - Behavioral pharmacology of D- and l-amphetamine and methylphenidate in man
- R10MH-11468-09 0030 Psychopharmacology research center - Serum tryptophan in man
- R10MH-11468-09 0031 Psychopharmacology research center - Clinical pharmacology of DL-PCA
- R10MH-11468-09 0033 Psychopharmacology research center - Cholinergic mechanisms in mania depression and schizophrenia (rats)
- R10MH-11468-09 0035 Psychopharmacology research center - Clinical studies on plasma levels of cyclic AMP
- ** R01MH-11547-06 Parental factors and schizophrenia
- R01MH-11976-10 Communication through nonverbal behavior
- R01MH-12507-09 Electrophysiological studies of psychiatric disorder
- P01MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
- ** P01MH-12568-08 0011 Neuropsychopharmacological studies of attention - Schizophrenic patients
- ** R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
- R01MH-14110-07 0018 Neural modulation and transmission - Related clinical observations
- ** R01MH-14360-07 Psychoendocrine correlates in schizophrenia (rats)
- ** R01MH-14383-05 Altered clinical states
- R01MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)
- ** R10MH-15829-06 NIMH-PRB collaborative outpatient schizophrenia study
- R01MH-16128-06 Early clinical drug evaluation unit
- ** R01MH-16544-04 Neonatal factors in serious mental disorder (human)
- ** P01MH-16674-06 0017 A program of psychiatry-oriented biological research - Histamine metabolism in mental illness
- ** P01MH-16674-06 0021 A program of psychiatry-oriented biological research - Dimethyltryptamine in blood of schizophrenic (human)
- ** P01MH-16674-06 0024 A program of psychiatry-oriented biological research - Clomiphen stimulation test of dopamine system in schizophrenics
- ** P01MH-16674-06 0031 A program of psychiatry-oriented biological research - Amino acid analysis in children of two schizophrenic parents
- ** P01MH-16674-06 0039 A program of psychiatry-oriented biological research - Monozygotic concordance and heritability in schizophrenia
- P01MH-16674-06 0040 A program of psychiatry-oriented biological research - Effect of methyl loading of dimethyltryptamine in rabbit
- P01MH-16674-06 0041 A program of psychiatry-oriented biological research - Histamine content of basophils in guinea pig (and human)
- R01MH-16728-05 Cognitive development and cognitive socialization
- ** R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
- ** R01MH-17968-05 Chlorpromazine metabolism in acute schizophrenia (human)
- R01MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
- ** R01MH-18354-04 Attention of deficits in subvarieties of schizophrenia
- ** R01MH-18391-04 Sleep psychophysiology and psychopathology (human)
- R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- R01MH-18422-04 Psychoacoustic research in psychopathology (human)
- R01MH-18857-02 Offspring of psychotic women (Sweden)
- ** R01MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
- R01MH-18949-04 Central neurophysiology of the functional psychoses (human, animals)
- ** R01MH-19477-03 Psychomotility and cognitive style in the schizophrenics
- ** R01MH-19560-04 Prospective study of children of schizophrenic parents
- R01MH-19972-04 Blind psychiatric family and follow-up study
- ** R12MH-20123-03 Community alternatives for treatment of schizophrenia
- ** R01MH-20245-03 Transactional analysis of families of schizophrenics
- R01MH-20321-03 Phenothiazine and schizophrenic thought disorder (human)
- ** R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
- ** R01MH-20593-03 Short versus long hospitalization-- A controlled study
- R01MH-21042-03 Folic acid and behavior
- ** R01MH-21145-02 Adjustment of children of schizophrenic parents
- ** R13MH-21186-02 Conference and visitations for risk research groups
- R01MH-21337-02 Drugs in the aftercare treatment of schizophrenia
- ** R01MH-21574-02 Symptom tolerance and recidivism (human)
- R01MH-22019-02 Psychotropic drug assessment (human)
- ** R01MH-22438-02 The GABA system in schizophrenia (Drosophila, mice, human)
- ** P01MH-22836-02 Children and families vulnerable to mental disorders
- ** R01MH-22840-02 Deviant development of infants of schizophrenics
- ** R01MH-23548-01 Immune concept of schizophrenia
- ** R12MH-23864-02 CRB NIMH collaborative depression studies II-SADS
- ** R01MH-23925-02 Long acting drugs with after care of schizophrenia (human)
- ** R01MH-23984-01 Schizophrenia and alpha-2-globulin fraction (human, chickens)
- ** R01MH-24104-02 Histamine metabolism in mental illness (human)
- R01MH-24152-01 Epidemiology of and intervention for children at risk
- ** R01MH-24165-01 Serum macromolecules in schizophrenia
- ** R01MH-24177-02 N-methylated indoleamines in schizophrenia (human)
- ** R01MH-24189-01 Epidemiology-Mania, depression and schizophrenia
- R01MH-24688-01 An optimum A-B scale of psychotherapist effectiveness
- ** R03MH-24763-01 Basic integrated potentials in schizophrenic patients
- ** R01MH-24908-01 Schizophrenia and EEG signal analysis
- ** R01MH-24969-01 PRB collaborative study of long acting fluphenazine (human)
- R01MH-24976-01 NIMH-PRB collaborative study of long acting fluphenazine
- R01MH-24977-01 NIMH-PRE collaborative study of long acting fluphenazine (human)
- R01MH-24978-01 NIMH-PRB collaborative study on long acting fluphenazine
- ** R01MH-25116-01 MAO, DBH and ATPase in psychosis (human)
- ** R01MH-25125-01 Long term prognosis in schizophrenia
- R01MH-25133-02 Steroid hormones in depressive illness
- R01MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
- ** R01MH-25133-02 0002 Steroid hormones in depressive illness - Prolactin response to chlorpromazine (human)
- ** P01MH-25246-01 Effects of psychotherapy in schizophrenia-A pilot study
- R01MH-25259-01 Orthomolecular psychiatry-Diagnosis and therapy
- ** R01MH-25435-01 The group of schizoaffective and related psychoses
- R01MH-25504-01 Neuroleptics and antidepressants on central MAO neurons
- M P01MH-25515-01 Collaborative biological research on schizophrenia
- ** P01MH-25515-01 0002 Collaborative biological research on schizophrenia - Cell biology-Normals, schizophrenics and bipolar depressives (human)
- ** P01MH-25515-01 0010 Collaborative biological research on schizophrenia - Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats)
- ** P01MH-25515-01 0011 Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
- ** P01MH-25515-01 0012 Collaborative biological research on schizophrenia - Microchemistry of proteolysis in human cerebral cortex
- ** P01MH-25515-01 0013 Collaborative biological research on schizophrenia - Genetic and environmental factors in the development of schizophrenia
- ** P01MH-25515-01 0014 Collaborative biological research on schizophrenia - Biological markers or correlates of schizophrenia
- ** P01MH-25515-01 0015 Collaborative biological research on schizophrenia - Genetic and biochemical studies on high density schizophrenic pedigrees
- ** P01MH-25515-01 0016 Collaborative biological research on schizophrenia - Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys)
- ** P01MH-25515-01 0017 Collaborative biological research on schizophrenia - Thermoregulation as a test of hypothalamic dopamine activity in schizophrenics
- ** P01MH-25515-01 0018 Collaborative biological research on schizophrenia - Gamma-aminobutyric acid agonists in the treatment of schizophrenia
- ** P01MH-25515-01 0019 Collaborative biological research on schizophrenia - Platelet monoamine oxidase activity and blood histamine levels in schizophrenics
- ** P01MH-25515-01 0020 Collaborative biological research on schizophrenia - Histamine concentration in the brains of patients with schizophrenia
- ** P01MH-25515-01 0021 Collaborative biological research on schizophrenia - Indole amine hypothesis of schizophrenia-- N,N-dimethyltryptamine in schizophreni
- ** P01MH-25515-01 0022 Collaborative biological research on schizophrenia - Transmethylation in schizophrenics who 'respond' to methionine loading
- ** P01MH-25515-01 0023 Collaborative biological research on schizophrenia - Effects of drugs on tardive dyskinesias in schizophrenics
- ** R12MH-25570-01 Soteria II-Replication of an alternative to hospitalization
- ** R01MH-25669-01 Neurophysiological studies in high risk children
- ** R01MH-25855-01 Proprioception and cognitive disorders in schizophrenia
- ** P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia
- ** R01MH-26196-01 Analysis-Collaborative outpatient
- R01MH-40002-00 Technical reports on NIMH research programs and projects
- R01MH-40083-00 Depression rating scales in psychiatric population (human)
- ** R01MH-40127-00 Development of video methods for measuring changes in mental illness
- ** R01MH-51026-09 Etiology of schizophrenia
- P01NS-03358-13 0020 Sensory disease clinical research center - Speech and speech pathology
- P01NS-03358-13 0023 Sensory disease clinical research center - Clinical vestibular and eye movement studies
- R01NS-06938-09 Metabolic diseases of the brain (human, rats)
- ** P07RR-00003-13 0051 Medical data processing research - Prognosis of schizophrenic patients
- ** P07RR-00003-13 0063 Medical data processing research - Relation of test dose to therapy response in schizophrenia
- ** M01RR-00036-14 0196 General clinical research center - Metabolism of trans-methyl-hexanoic acid in schizophrenia (human)
- ** M01RR-00052-13 0045 General clinical research center for children - A new treatable form of schizophrenia
- ** M01RR-00053-13 0027 Clinical research center - Somatotropin response to insulin tolerance in depression, schizophrenia (human)
- M01RR-00071-11 0025 General clinical research center - Biochemistry of catecholamines in emotional disorders (human)
- M01RR-00287-08 0063 General clinical research center - CSF complement in nervous system diseases (human)
- PSYCHOSIS, SCHIZOPHRENIA, CATATONIA**
- R01MH-22114-03 Behavioral and electrical actions of CNS drugs (cats, rats)
- PSYCHOSIS, SCHIZOPHRENIA, CHILDHOOD**
- SEE ALSO PSYCHOLOGY, IMAGINATION, FANTASY
- P01HD-05124-04 0002 Mental retardation-Behavioral and neurologic aspects - Total learning environment for autistic children
- ** P01HD-05958-03 0004 Neurophysiology and neuropsychology in mental retardation - Neurophysiological indices of maturation in autistic and retarded children
- ** P01HD-06576-01 0001 Molecular aspects of mental retardation - Metabolic diseases in relation to mental retardation and childhood autism
- R10MH-04665-14 Childrens psychopharmacology unit
- ** R01MH-05753-13 Growth and family patterns in childhood schizophrenia
- ** P01MH-08618-10 0047 Biological studies of psychotic disorders - Autistic and schizophrenic children
- ** R01MH-11440-07 Experimental studies in childhood schizophrenia
- R01MH-15616-06 Language and cognition in infrahuman primates (chimpanzee, children)
- R01MH-18180-05 Outpatient pediatric psychopharmacology
- ** R01MH-18438-05 Etiology and prognosis in childhood psychosis (human)
- R01MH-19734-04 Isoenzymes of monoamine oxidase in developing brain (human, chick embryo)
- ** P07RR-00003-13 0034 Medical data processing research - Gene maps and linkage
- ** M01RR-00096-14 0060 Clinical research center - Effects of TRH on childhood schizophrenia
- PSYCHOSIS, SCHIZOPHRENIA, PARANOID**
- P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
- R01MH-14383-05 Altered clinical states
- R01MH-19477-03 Psychomotility and cognitive style in the schizophrenics

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** P01MH-23861-02 0033 Biogenic amines and behavior - Paranoid schizophrenia
 R01MH-25855-01 Proprioception and cognitive disorders in schizophrenia

PSYCHOSIS, SENILE

SEE BRAIN DISORDERS, CEREBRAL ATROPHY DIFFUSE, SENILE DEMENTIA

PSYCHOSIS, TOXIC

SEE ALSO ALCOHOLISM - DRINKING, MARCHIAFAVA-BIGNAMI DISEASE

SEE ALSO LIVER DISORDERS, HEPATIC COMA-ENCEPHALOPATHY

R18AA-00083-02 Community alcoholism services poverty program

** M01RR-00076-12 0100 General clinical research center - Memory for long term events in Korsakoff's disease (human)

PSYCHOSOCIAL ISOLATION-DEPRIVATION

SEE ALSO FAMILY, MATERNAL DEPRIVATION-ABSENCE-LOSS
 SEE ALSO FAMILY, PARENTAL DEPRIVATION-ABSENCE-LOSS
 SEE ALSO FAMILY, PATERNAL DEPRIVATION-ABSENCE-LOSS

** P01HD-00973-11 0058 Research program on retarded intellectual development - Juvenile monkeys exposed to responsive and nonresponsive environments

** P01HD-02274-08 0125 Mental retardation and child development - Effects of maternal contact prior to total isolation rearing (monkeys)

** P01HD-02274-08 0126 Mental retardation and child development - Effects of social stimulation, varied sensory input in isolation (monkeys)

** P01HD-02274-08 0129 Mental retardation and child development - Modification of isolation-induced abnormalities by drugs (monkeys)

P01HD-02881-07 0002 Developmental and behavioral neuroendocrinology - Postnatal studies (rodents, squirrel monkeys, rhesus monkeys)

P01HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children

** P01HD-04335-06 Brain-behavior relationships in mental retardation

P01HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)

P01HD-05523-04 0002 Analysis of genetic effects on aging - Age dependent behavior changes (mice)

R01HD-06367-03 Psychosocial development

** R01HD-06862-02 Environmental effects on rat brain synapses

R01HD-07032-01 Malnutrition and behavioral development in monkeys

R01HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)

R01HD-08464-01 The development of aggressive behaviors (mice)

** R01MH-00487-22 Variables affecting avoidance behavior (human, monkeys, rats)

** R01MH-11894-09 0001 Comprehensive behavioral studies - Depression (Rhesus monkeys)

** R01MH-11894-09 0005 Comprehensive behavioral studies - Social deprivation (Rhesus monkeys)

R01MH-11894-09 0007 Comprehensive behavioral studies - Rehabilitation of monkey psychopathologies

R01MH-15965-04 Infant attachment and maternal loss (monkeys)

R01MH-16899-05 Development of behavior and genetics (mice)

** R01MH-16929-06 The developmental effects of early maternal separation (rats)

R01MH-17377-05 Early experience and development of behavior (rats)

** R12MH-21191-03 Developmental consequence of extreme social isolation (human)

R01MH-21892-02 Biochemical studies of depression in primate models

R01MH-22803-02 Social-affective development in infancy (human)

R03MH-24999-01 Communication and social behavior (pygmy marmoset)

** R01MH-25525-01 Investment of self in an urban group

R03MH-25891-01 Relative deprivation, militancy and aspirations

R01NS-09758-05 Social stimulation, RNA and cardiovascular disease (animals)

** M01RR-00053-13 0040 Clinical research center - Growth hormone release during slow wave sleep in children with maternal deprivation

M01RR-00125-11 0232 General clinical research center - adult-child - Psychophysiological and psychopathologic disorders in first five years

P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)

PSYCHOSOCIAL SEPARATION

SEE ALSO FAMILY, SEPARATION AND DIVORCE
 SEE ALSO PSYCHOLOGY, EMOTIONS, GRIEF, BEREAVEMENT

R18AA-01574-01 Bowery residents' committee ambulatory drop-in center

R01HD-00325-18 0004 Longitudinal and related psychohormonal studies - IQ gain in reversible hyposomatotropinism (psychosocial dwarfism)

** R01HD-03778-06 The development of social motivation (dogs)

P01HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)

** P17HL-14214-04 0011 Neonatal lung center - Long-term separation and attitudes, behavior of parents and HMD infants

R01HS-00903-03 The effects of medically orientated housing

P01MH-13369-07 Program for research in psychiatric sociology

** R01MH-18070-05 Experimental depression induced in infant monkeys

R01MH-23580-01 Cortisol excretion rates and stress in infants (human)

** R03MH-25561-01 Measurement of alienation (human)

M01RR-00080-12 0047 General clinical research center - Touch, non-touch and live-in mothers (human)

PSYCHOSOMATIC DISORDERS

SEE PSYCHOLOGY ABNORMAL, PSYCHOPHYSIOLOGIC DISORDERS

PSYCHOSURGERY

SEE BRAIN LESIONS SURGICAL, PSYCHOSURGERY

PSYCHOTHERAPEUTIC DRUGS

SEE PSYCHOPHARMACOLOGICAL AGENTS, PSYCHOTROPIC DRUGS (GENERAL)

PSYCHOTHERAPY

SEE ALSO ALCOHOLISM - DRINKING, ALCOHOLISM TREATMENT AND REHABILITATION

SEE ALSO DRUGS ABUSE, DRUGS ADDICTION TREATMENT AND REHABILITATION

SEE ALSO INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY

SEE ALSO MENTAL HEALTH SERVICES, EMERGENCY CARE
 SEE ALSO MENTAL HEALTH SERVICES, REHABILITATION PSYCHOSOCIAL

SEE ALSO PSYCHOANALYSIS
 SEE ALSO PSYCHOLOGY, CONDITIONING, AUTOGENIC
 SEE ALSO PSYCHOLOGY SOCIAL, GROUP PROCESSES, SENSITIVITY TRAINING GROUPS

** R12AA-00209-07 0012 Washington University Alcoholism Research Center - Alcoholism and psychiatric care

R01AA-00259-04 Behavioral treatment of alcoholism - Research and development (human)

R18AA-00430-03 Project catalyst

R18AA-00496-03 Services for problem drinking drivers

R01AA-00496-03 Self-help techniques in the treatment of alcoholics

R01AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs

R18AA-00908-02 Fairview halfway house

R18AA-01058-01 Community alcoholism services - Poverty program

N01AA-40003-00 Performs surveys, analyses and related work in the field of alcohol abuse

** P02CA-12247-03 0016 Pediatric oncology center - Psychotherapy research (human)

P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)

** P02CA-13696-02 0017 Clinical cancer research center - Psychiatric aspects of colorectal surgery (human)

N01CN-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)

N01CN-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)

N01CN-45133-01 Demonstration of cancer rehabilitation facilities and/or department (human)

N01DA-00001-05 Provide rehabilitation services to narcotic addicts

N01DA-00002-05 Provide services to narcotic addicts

N01DA-00005-05 Provide rehabilitation services to narcotic addicts

N01DA-00008-00 Provide rehabilitation services to narcotic addicts

N01DA-00013-06 Provide rehabilitation services to narcotic addicts

N01DA-00014-06 Provide services to narcotic addicts

N01DA-00016-06 Rehabilitation services to narcotic addicts

N01DA-00018-04 Provide rehabilitation services to narcotic addicts

N01DA-00023-07 Rehabilitation services to narcotic addicts

N01DA-00028-04 Provide rehabilitation services to narcotic addicts

N01DA-00031-05 Rehabilitation services to narcotic addicts

N01DA-00031-05 Rehabilitation services to narcotic addicts

N01DA-00063-06 Treatment of narcotic addicts

N01DA-00066-03 Rehabilitation services to narcotic addicts

N01DA-00072-04 Provide rehabilitation services to narcotic addicts

N01DA-10017-05 Rehabilitation services to narcotic addicts

N01DA-10033-04 Provide rehabilitation services to narcotic addicts

N01DA-10047-02 Services to narcotic addicts

N01DA-10048-04 In-patient treatment of narcotic addicts

N01DA-20002-01 Provide rehabilitation services to narcotic addicts

N01DA-20021-01 Service to narcotic addicts

** N01DA-20044-01 Treatment of narcotic addicts

** N01DA-20062-01 Provide rehabilitation services to narcotic addicts

N01DA-20116-01 Narcotic antagonists in treating narcotic addicts

** N01DA-20132-02 Evaluation of MMH drug abuse community assistance program

** N01DA-20141-01 Rehabilitation services to narcotic addicts

N01DA-20211-02 Clinical effectiveness of narcotic antagonists

** N01DA-30011-00 Services to narcotic addicts

N01DA-30153-00 Provide rehabilitation services to narcotic addicts

N01DA-80989-16 Service to narcotic addicts

N01DA-81468-10 Rehabilitation services to narcotic addicts

N01DA-81508-06 Rehabilitation services to narcotic addicts

N01DA-81520-09 Rehabilitation services to narcotic addicts

** N01DA-81524-07 Rehabilitation services to narcotic addicts

N01DA-81526-07 Rehabilitation services to narcotic addicts

N01DA-81531-06 Rehabilitation services to narcotic addicts

** N01DA-90005-13 Rehabilitation services to narcotic addicts

** N01DA-90009-10 Services to narcotic addicts

** N01DA-90014-07 Services to narcotic addicts

N01DA-90025-07 Rehabilitation services to narcotic addicts

N01DA-90028-07 Rehabilitation services to narcotic addicts

N01DA-90029-05 Rehabilitation services to narcotic addicts

N01DA-90033-06 Rehabilitation services to narcotic addicts

** N01DA-90036-07 Rehabilitation services to narcotic addicts

N01DA-90038-06 Services to narcotic addicts

N01DA-90040-08 Rehabilitation services to narcotic addicts

N01DA-90064-09 Rehabilitation service to narcotic addicts

N01DA-90065-06 Rehabilitation services to narcotic addicts

** P01GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)

R01HD-00325-18 0004 Longitudinal and related psychohormonal studies - IQ gain in reversible hyposomatotropinism (psychosocial dwarfism)

P01HL-06349-13 0008 Cardiovascular disease clinical program project - Angiotensin and renin secretion in prehypertensive adolescents

** R01MH-04618-12 Psychotherapy of psychiatric outpatients

** R01MH-06645-13 Computer models in psychiatry and psychotherapy

P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)

R12MH-09191-11 Diagnosis of mental disorder in U S and U K

R01MH-11440-07 Experimental studies in childhood schizophrenia

P01MH-11668-09 0040 Psychosocial factors in health and disease - Psychosomatic disorders among university students

** P01MH-11668-09 0066 Psychosocial factors in health and disease - Psychosocial factors in long term survival in neoplasia

R01MH-12875-07 The legacy of Philippe Pinel

P01MH-13002-06 0035 Clinical and laboratory studies of affective disorder - Follow-up of adolescents with affective disorders

R01MH-13738-07 Drug therapy of depressed outpatients

R01MH-14383-05 Altered clinical states

** R01MH-14864-08 Automation of the delivery of mental health services

** R01MH-15442-06 Factors influencing outcomes of psychotherapy (human)

** R10NH-15829-06 MMH-PRB collaborative outpatient schizophrenia study

** R01MH-16129-05 Impact of outcome information on treatment

R01MH-16789-04 Evaluation of a community mental health program

R01MH-17728-05 Follow-up of maintenance treatment for depression (human)

R01MH-18260-05 Psychiatric impairment in urban children over time

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-18438-05 Etiology and prognosis in childhood psychosis (human)
- ** R01MH-18846-03 Outcome of crisis intervention treatment
- ** R01MH-19156-04 The nature of hypnosis (human)
- R01MH-19784-02 Depression—A clinical-research approach
- R01MH-19880-02 Behavioral analysis in a community mental health center
- R01MH-19989-04 Classification and assessment of suicidal behaviors (human)
- N01MH-20207-00 Clinical study of new narcotic antagonists in man
- ** R01MH-20369-03 Effectiveness of individual psychotherapy
- R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
- R01MH-22215-02 Evaluation of comprehensive program for adolescents
- R01MH-22799-01 Evaluating marriage counseling intervention strategies
- M P01MH-22916-02 Personality and psychotherapy
- ** P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
- P01MH-22916-02 0005 Personality and psychotherapy - Task vs social orientation
- ** P01MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy
- R01MH-22922-02 The psychiatric outpatient as a customer
- R01MH-23248-02 Mechanisms of generalized behavior change (human)
- ** R03MH-23425-01 Mathematical formalism for interpersonal interactions (human)
- R01MH-23441-01 Adult adjustment predicted from childhood assessment
- ** R01MH-23450-02 Preparatory training program for psychotherapy
- ** R01MH-23453-01 Therapeutic group project for day care centers
- R01MH-23863-01 Anxiety control training and systematic desensitization
- R01MH-24229-01 Berkeley youth alternatives juvenile services program
- R01MH-24477-01 Activity schedules in treatment of depression
- R03MH-24621-01 Normative and descriptive aspects of mental health
- R01MH-24688-01 An optimum A-B scale of psychotherapist effectiveness
- ** R01MH-24791-01 Impact of an encounter experience on psychotherapy
- R01MH-24934-01 Rights of adolescents receiving mental health services
- ** P01MH-25246-01 Effects of psychotherapy in schizophrenia—A pilot study
- ** R01MH-25546-01 Psychotherapy of depression—Computer outcome measures
- R01MH-25580-01 Fanon mental health research and development centers (FRDC)
- R03MH-25879-01 Socio-psychological effects of an earthquake
- ** P01MH-26183-01 Inter-hospital study of psychotherapy of schizophrenia
- N01MH-30047-00 Provide treatment and rehabilitation for opiate-dependent persons
- N01MH-40064-00 Statistical services
- N01MH-80989-15 Service to narcotic addicts
- N01MH-81342-07 Rehabilitation of narcotic addicts
- N01MH-81468-07 Rehabilitation services to narcotic addicts
- N01MH-81470-04 Rehabilitation services to narcotic addicts
- N01MH-81509-06 Rehabilitation services to narcotic addicts
- N01MH-81510-05 Rehabilitation services to narcotic addicts
- N01MH-81521-06 Provide services to narcotic addicts
- N01MH-81526-06 Rehabilitation services to narcotic addicts
- ** N01MH-90008-07 Services to narcotic addicts
- ** N01MH-90040-05 Rehabilitation services to narcotic addicts
- PSYCHOTHERAPY, BEHAVIOR MODIFICATION**
- R18AA-00169-03 Wazoo Center Skid Row Community Demonstration Program
- R18AA-00174-03 Services for problem drinking drivers
- ** R01AA-00179-03 Alteration of alcoholics' behavior
- ** R01AA-00187-03 Memory impairment of alcoholic Korsakoff patients
- ** R01AA-00259-04 Behavioral treatment of alcoholism—Research and development (human)
- ** R01AA-00261-04 Avoidance conditioning of alcoholics (human)
- R18AA-00430-03 Project catalyst
- R01AA-00498-03 0002 Clinical studies of alcohol use and abuse - Future oriented psychotherapy and olfactory aversive conditioning (human)
- R01AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs
- R01AA-01197-02 Use of learning theory in preventing alcohol abuse
- R01AA-01217-01 Investigations of experimental alcohol dependence
- ** P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
- ** R01DA-00113-03 Contingency contracting for treatment for drug abuse
- ** P01DA-00250-03 0019 Research center—Studies of drug dependence and abuse - Operant self-control procedures—Intervention, research in addiction (human)
- ** R01DA-00939-01 Experimental studies of sodative abuse (human)
- ** R01DA-00975-01 Treatment for substance abuse program dropouts
- ** R01DA-01059-01 Behavior therapy and naltrexone for narcotic addiction
- ** R25DA-01106-01 Training program for human behavior workers
- ** N01DA-30217-02 Management and behavior therapy in a methadone maintenance program (human)
- R01HD-00325-18 0001 Longitudinal and related psychohormonal studies - Psychoendocrine therapy and resistance to it in XY patients and parents
- P01HD-00870-11 0003 Communication research with retarded children - Generalization of a social response
- ** P01HD-02528-08 0013 Research center in mental retardation - Laboratory analogues of behavior modification techniques (children)
- ** P01HD-02528-08 0032 Research center in mental retardation - Wyandotte house and achievement place programs
- P01HD-03144-07 0016 Development of culturally deprived children - Develop and refine achievement place model
- ** P01HD-03144-07 0017 Development of culturally deprived children - Behavioral methodology modifying child behavior of urban families in home
- P01HD-03144-07 0018 Development of culturally deprived children - Teaching model for training inner-city school personnel and parents
- P01HD-03144-07 0019 Development of culturally deprived children - Investigate effects of intensive classroom management procedures
- ** P01HD-03144-07 0020 Development of culturally deprived children - Procedures for exploring methodological research questions
- ** P01HD-03352-07 0029 Wisconsin center on mental retardation - Behavioral approach to group treatment of parents of retardates
- P01HD-03352-07 0032 Wisconsin center on mental retardation - Laboratory of applied behavior analysis and modification
- R01HD-03719-10 Metabolic and behavioral studies of human obesity
- ** R01HD-07073-02 Assessment and modification of parental teaching style
- ** P01MH-08618-10 0049 Biological studies of psychotic disorders - Management of drug-free disturbed patients
- R01MH-11299-10 Emotion and pulmonary function in asthma (human)
- ** R01MH-11440-07 Experimental studies in childhood schizophrenia
- ** R01MH-14395-05 Self-regulation training for under-controlled children
- ** R01MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
- R01MH-17978-03 Training for foster parents of disturbed children
- R01MH-18070-05 Experimental depression induced in infant monkeys
- ** R01MH-18516-03 Treatment of childhood behavior problems
- ** R12MH-18995-04 Behavior modification applied to a mental health center
- ** R01MH-19884-03 Treatment of asthma by behavior therapy
- R01MH-20030-04 Achievement place—Phase III (human)
- ** R01MH-20258-03 Modification of deviant behavior
- R01MH-20410-03 Two-environment modification of problem child behavior
- R01MH-20922-04 Training parents in management of antisocial boys
- ** R01MH-21144-03 Treatment of asthma through conditioning
- ** R01MH-21452-03 Contingency contracting in treatment of delinquents
- ** R01MH-21803-02 Behavioral treatment of childhood gender problems
- ** R01MH-21813-03 Behavior therapy—Professional and paraprofessional
- ** R01MH-21950-03 PICA research, extension and practice (PREP) (human)
- R01MH-22215-02 Evaluation of comprehensive program for adolescents
- ** R01MH-22370-02 School intervention program
- ** R03MH-22532-01 Voluntary control of respiratory resistance (human)
- ** R01MH-22742-02 Group work in treatment of adults
- ** R01MH-22750-02 Modification of family interaction
- ** R01MH-22890-02 Behavior modification—Evaluating effects on patients
- R01MH-22891-02 Crisis intervention by the use of telephone therapy
- ** P01MH-22916-02 0007 Personality and psychotherapy - Dynamic and behavioral psychotherapy
- ** P01MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy
- ** R01MH-23007-02 Imipramine behavior therapy and phobia
- ** R03MH-23399-01 Covert modeling and therapeutic change (human)
- R01MH-24063-01 Effect of relaxation-mediation in early hypertension
- R01MH-24070-01 Biofeedback and habituation rates in chronic anxiety
- ** R01MH-24222-02 Behavior therapy and relaxation training in asthma (human)
- R03MH-24394-01 Comparison of two methods of blood pressure control (human)
- ** R03MH-24502-01 Comparison of several classroom management systems
- R01MH-24594-01 Behavioral communications approach to marital success
- R01MH-25101-01 Therapy of anxiety—A new psychophysiological approach
- ** R01MH-25104-01 and treatment Raynaud's disease—Behavioral analysis
- R01MH-25350-01 Learned control of acid secretions in ulcer patients
- ** R01MH-25568-01 Clinical and experimental study of human obesity
- ** R03MH-25651-01 Enhancement of weight loss after behavioral treatment
- ** R03MH-25661-01 Control of rumination in children
- R01MH-26131-01 Abnormal mother-infant behavior and child abuse
- ** R03MH-26156-01 Remediation of memory disorder
- ** R01MH-26207-01 Behavioral analysis & modification in a community mental health center
- ** R01MH-26232-01 Behavioral approach to marital dysfunction
- ** R01NS-10236-03 0002 Functional skill remediation in brain damage - Remediation of untreated impairments (human)
- ** R01NS-10656-02 Stuttering—Behavior modification and biofeedback
- ** R01NS-12046-01 Stuttering—Behavior modification and biofeedback
- M01RR-00062-12 0024 Clinical research center, children - Use of conditioning in pediatric problems
- M01RR-00069-12 0094 General clinical research center, children - Conditioning therapy in acoustomotor epilepsy
- ** M01RR-00128-10 0073 General clinical research center for children - Non-pharmacological therapy in epilepsy
- M01RR-00240-10 0068 General clinical research center—Children - Anorexia nervosa
- ** M01RR-00626-02 0050 General clinical research center - Behavioral modification anorexia nervosa (human)
- ** M01RR-00626-02 0051 General clinical research center - Behavioral modification—Homosexuality (human)
- ** M01RR-00626-02 0068 General clinical research center - Effects of response prevention on compulsive behavior
- M01RR-00626-02 0070 General clinical research center - Analysis of fantasies of sexual deviants
- ** M01RR-00626-02 0071 General clinical research center - Altering sexual fantasies as treatment of sexual deviation
- PSYCHOTHERAPY, DESENSITIZATION**
- R01DA-01059-01 Behavior therapy and naltrexone for narcotic addiction
- ** R01MH-10993-10 Fear modification and learned autonomic control (human)
- R01MH-14864-08 Automation of the delivery of mental health services
- R12MH-18995-04 Behavior modification applied to a mental health center
- ** R01MH-19884-03 Treatment of asthma by behavior therapy
- R01MH-20258-03 Modification of deviant behavior
- R01MH-20552-03 Personality and EEG correlates of hypnotic susceptibility
- ** P01MH-22916-02 0007 Personality and psychotherapy - Dynamic and behavioral psychotherapy
- ** R01MH-23863-01 Anxiety control training and systematic desensitization
- R01MH-24222-02 Behavior therapy and relaxation training in asthma (human)
- ** R03MH-25657-01 Evaluating self-administered desensitization
- R03MH-25736-01 Actor-observer differences in attributions of causality
- R01NS-11563-01 Psychophysical study of pattern-sensitive epilepsy (human)
- M01RR-00128-10 0073 General clinical research center for children - Non-pharmacological therapy in epilepsy
- ** M01RR-00626-02 0051 General clinical research center - Behavioral modification—Homosexuality (human)
- PSYCHOTHERAPY, FAMILY THERAPY**
- R18AA-00003-01 Services for problem drinking drivers
- R18AA-00016-02 Community alcoholism services poverty program
- R18AA-00017-01 Seabrook House—Alcoholism rehabilitation center
- ** R18AA-00031-01 Treatment of families and children of alcoholics
- R18AA-00059-02 Alcohol and recovery program

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R18AA-00074-02 Community alcoholism services poverty program-New York
 R18AA-00080-02 Alcoholism rehabilitation services
 R18AA-00087-02 Community alcoholism services poverty program
 R18AA-00089-02 Indian lodge recovery home
 R18AA-00094-02 Alcoholic rehabilitation center
 R18AA-00095-02 Navajo alcoholism rehabilitation and education program
 R18AA-00097-02 Community alcoholism services poverty program-Missouri
 R18AA-00108-02 Fort Peck alcoholism program
 R18AA-00109-02 Community alcoholism services Indian program
 R18AA-00164-03 Alcoholism treatment-An interdisciplinary approach
 R18AA-00168-03 Services for problem drinking drivers
 R18AA-00174-03 Services for problem drinking drivers
 ** R18AA-00178-03 Family of alcoholics-Communication and control
 R18AA-00408-03 Washington Hospital Center-Alcoholism program
 ** R18AA-00457-03 Community reinforcement for treating alcoholics
 R18AA-00464-03 Services for problem drinking drivers
 R18AA-00472-02 Evaluation of outpatient care for alcoholics
 R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
 ** R18AA-00485-03 Demonstration-tri-cultural alcoholism treatment program
 R01AA-00498-03 0003 Clinical studies of alcohol use and abuse - Group psychotherapy with alcoholics
 R18AA-00502-01 Community alcoholism services poverty program
 R18AA-00523-02 Standing Rock comprehensive program
 R18AA-00532-01 Metlakatla Indian community alcoholism services
 R18AA-00544-03 American Indian Services, Inc.
 R18AA-00545-03 Salt River community alcoholism program
 R18AA-00551-01 Comprehensive Indian alcoholism and social services program
 R18AA-00563-03 Mesquakie program on problem drinking
 R18AA-00576-03 Inter-tribal alcoholism and rehabilitation program (Oklahoma)
 R18AA-00585-01 Keweenaw Bay Indian center alcoholism program
 R18AA-00609-02 Alcoholism rehabilitation
 R18AA-00828-02 Alcoholism counseling and recovery program
 R18AA-00871-02 Alcoholism and family counseling
 R18AA-00873-02 Alcoholic family rehabilitation agency
 R18AA-00924-02 Center for drinking problem
 R18AA-00926-02 Community alcoholism services poverty program
 R18AA-00928-02 Inner city council on alcoholism
 R18AA-00929-02 Community alcoholism services poverty program
 ** R18AA-00958-01 Community education and early intervention
 R18AA-00984-02 Multi-service alcohol treatment program
 R18AA-00990-02 Support for alcoholism control program
 ** R18AA-01013-01 Community family therapy outreach alcoholism program
 R18AA-01025-02 Alcoholism rehabilitation
 R18AA-01028-02 Support for alcoholism control program
 R18AA-01031-02 Support for alcoholism control program
 R18AA-01040-02 Alcoholism Outreach Program
 R18AA-01045-02 Community alcoholism services
 R18AA-01046-02 Community alcoholic rehabilitation program
 R18AA-01049-02 Support for alcoholism control program
 R18AA-01060-02 Trenton alcoholism program (human)
 R18AA-01067-02 Alcoholic rehabilitation program (human)
 R18AA-01073-02 Support for alcoholism control program
 R18AA-01138-01 Alcoholism services center
 R18AA-01145-02 Anti-alcoholism program
 R18AA-01147-02 Alcoholic rehabilitation program
 R18AA-01163-01 Alcoholic counselling and recovery program
 R18AA-01166-01 Southwestern Wisconsin alcoholism program
 R18AA-01169-01 J.C.E.O.C. alcoholism community action program
 R18AA-01177-01 South County alcoholism information and referral center
 R18AA-01184-01 Alcoholism counseling and recovery program
 R18AA-01192-01 Inner-city alcohol recovery and rehabilitation project
 R18AA-01201-02 Support for alcoholism control program
 R18AA-01205-01 CAA Delaware, Madison and Union Counties alcoholism project
 R18AA-01223-01 Community alcoholism services-Poverty program
 R18AA-01232-01 Alcoholism information and counseling program
 R18AA-01237-02 Community alcoholism services poverty program
 R18AA-01247-01 Community alcoholism services poverty program
 R18AA-01394-01 Dona Ana alcoholism treatment program
 R18AA-01406-01 Alcoholism information and referral center, Inc.
 R18AA-01411-01 Phoenix urban Indian alcoholism program
 R18AA-01526-01 Community alcoholism and treatment service program
 R18AA-01583-01 Alcoholism service delivery project
 R18AA-01601-01 Lee-Harnett area alcoholism project
 R18AA-01619-01 Comprehensive rural alcoholism program
 R18AA-01666-01 Alcohol abuse and alcoholism demonstration project
 R18AA-01676-01 Juel Fairbanks aftercare residence
 R18AA-01697-01 Alcoholism rehabilitation service
 R18AA-01810-01 Community alcoholism services poverty program
 ** R01CA-14121-02 Interventive family therapy in dying and bereavement
 P01CA-15936-01 0015 Specialized Cancer Center - Psychological aspects of cancer (human)
 ** R18DA-01104-01 Family of drug use in families
 ** R01DA-01119-01 Family characteristics and therapy of heroin addict
 P01HD-02528-08 0032 Research center in mental retardation - Wyandotte house and achievement place programs
 P01HL-13108-05 0007 Clinical heart transplantation - Psychological and social evaluation (human)
 P18HL-15158-03 0011 Comprehensive sickle cell disease center - Clinical services-Adult patients
 R01MH-08744-10 Coping behavior in schizophrenia
 P01MH-11668-09 0098 Psychosocial factors in health and disease - Psychosocial study of pregnant adolescents
 R01MH-14052-05 System of corrective interventions in a research population (human)
 ** R01MH-16631-05 Drug and family therapy in depressed outpatients
 R01MH-21336-03 Families of children with psychosomatic problems
 R01MH-22215-02 Evaluation of comprehensive program for adolescents
 ** R01MH-22750-02 Modification of family interaction
 R01MH-23775-01 Huckleberry house youth service center
 M01RR-00240-10 0067 General clinical research center-Children - Psychosomatic aspects in juvenile diabetes
 M01RR-00240-10 0068 General clinical research center-Children - Anorexia nervosa
 M01RR-00240-10 0069 General clinical research center-Children - Psychosomatic aspects of asthma
- PSYCHOTHERAPY, GROUP THERAPY**
 SEE ALSO MENTAL HEALTH SERVICES, COUNSELING, GROUP
 R18AA-00017-01 Seabrook House-Alcoholism rehabilitation center
 R18AA-00080-02 Alcoholism rehabilitation services
 R18AA-00096-02 Alcohol prevention and treatment program
 R18AA-00149-03 Missouri State occupational alcoholism program
 R18AA-00150-03 Special occupational alcoholism programs
 R18AA-00164-03 Alcoholism treatment-An interdisciplinary approach
 R18AA-00166-03 Department of alcoholic rehabilitation
 R18AA-00168-03 Services for problem drinking drivers
 R18AA-00174-03 Services for problem drinking drivers
 ** R01AA-00261-04 Avoidance conditioning of alcoholics (human)
 R18AA-00408-03 Washington Hospital Center-Alcoholism program
 R18AA-00425-02 Plainfield Public Welfare Department
 R18AA-00464-03 Services for problem drinking drivers
 R18AA-00472-02 Evaluation of outpatient care for alcoholics
 R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
 R01AA-00496-03 Self-help techniques in the treatment of alcoholics
 ** R01AA-00498-03 0003 Clinical studies of alcohol use and abuse - Group psychotherapy with alcoholics
 R01AA-00498-03 0004 Clinical studies of alcohol use and abuse - Personality and motivations of adolescents associated with alcohol drinking
 R01AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs
 R18AA-00504-03 Alcoholism program
 R18AA-00523-02 Standing Rock comprehensive program
 R18AA-00553-03 Cheyenne River alcohol and drug abuse program
 R18AA-00555-03 Laguna alcoholism program
 R18AA-00557-03 Indian program
 R18AA-00558-03 North central inter-tribal community health project
 R18AA-00559-03 Intertribal alcoholism treatment center
 R18AA-00560-03 Native American alcoholism and drug abuse program
 R18AA-00564-03 Friendship House Community
 R18AA-00582-03 Rehabilitation Center
 R18AA-00582-03 Seminole Comprehensive Alcoholism Program
 R18AA-00588-02 Alcoholism-cultural heritage program
- R18AA-00597-03 Community alcoholism services public inebriate program
 R18AA-00651-02 Community alcoholism services poverty program
 R18AA-00654-02 Mission unity group
 R18AA-00834-02 Alcoholism counseling and recovery
 R18AA-00848-02 Red Lake tribal council-alcoholic rehabilitation
 R18AA-01069-02 Mid-Carolina Council on Alcoholism
 R18AA-01156-01 Economic opportunity agency of Pataski Co alcoholism program
 R18AA-01163-01 Alcoholic counselling and recovery program
 R18AA-01561-01 Alcoholism service program region XIV
 R18AA-01682-01 Black alcoholism-Education, outreach and treatment
 R18AA-01771-01 Community poverty alcoholism rehabilitation program
 N01AA-40017-00 New alcoholism treatment approaches and present pattern of alcohol taking
 ** P17AM-17624-01 0015 Obesity center - Clinical study and treatment of adult obesity
 P02CA-13696-02 0050 Clinical cancer research center - Psychiatric study of children with terminal illness (human)
 R25DA-00168-03 Narcotics information program and pilot study (American Indians)
 N01DA-30049-00 Treatment of opiate dependent persons
 N01DA-30050-00 Treatment of drug dependent persons
 ** N01DA-30052-00 Treatment of drug dependent persons
 N01DA-30055-00 Treatment of drug dependent persons
 N01DA-30056-05 Treatment of drug dependent persons
 N01DA-30217-02 Management and behavior therapy in a methadone maintenance program (human)
 R01MH-08954-10 Methodology of outpatient drug research (human)
 ** R01MH-18813-04 Group integration and behavioral change (human)
 ** R01MH-19880-02 Behavioral analysis in a community mental health center
 R01MH-21139-03 Social class and communication style in marriage
 R01MH-22799-01 Evaluating marriage counseling intervention strategies
 R03MH-23425-01 Mathematical formalism for interpersonal interactions (human)
 R01MH-24817-01 Human development model for mental health services
 ** R01MH-25258-01 Comparative treatment of emotional problems of aging
 R01MH-25568-01 Clinical and experimental study of human obesity
 R03MH-25651-01 Enhancement of weight loss after behavioral treatment
 R01MH-26232-01 Behavioral approach to marital dysfunction
 R21NU-00370-04 Nursing with chronically ill psychiatric outpatients (human)
- PSYCHOTHERAPY, MILIEU THERAPY**
 R18AA-00164-03 Alcoholism treatment-An interdisciplinary approach
 R01AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs
 R01DA-00119-03 Soc-psych profiles on drug abusers in therapeutic community
 P01HD-08240-01 0001 Developmental processes in children at risk for MR - The orienting response and its habituation
 P01HD-08240-01 0007 Developmental processes in children at risk for MR - Prevention and immunization of behavior deficits
 ** R01MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
 R12MH-23924-01 Maintaining the growing edge (human)
 R03MH-26160-01 Psychological effects of camp on handicapped children
- PSYCHOTHERAPY, PLAY THERAPY**
 P01HD-03110-07 0041 Child development and mental retardation - Use of dramatic play in occupational education in primary grades
- PSYCHOTHERAPY, PSYCHODRAMA**
 ** P01MH-22916-02 0008 Personality and psychotherapy - Patient variables related to psychotherapy
 R01MH-23883-02 Varieties and functions of early social speech
- PSYCHOTOMMETIC DRUGS**
 SEE PSYCHOPHARMACOLOGICAL AGENTS, PSYCHOTOMMETIC DRUGS
- PSYCHOTROPIC DRUGS**
 SEE PSYCHOPHARMACOLOGICAL AGENTS, PSYCHOTROPIC DRUGS (GENERAL)
- PSYCHROPHILES**
 SEE TEMPERATURE OPTIMA, PSYCHROPHILES
- PTC FACTOR**
 SEE BLOOD COAGULATION, FACTOR IX

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PTERIDINES

- SEE ALSO FOLIC ACID
 R01A-11254-01 Folate metabolism in malarial parasites (rats, ducks)
 ** R01AM-02109-17 Purine and pteridine metabolism in microorganisms
 R01AM-03442-15 Biosynthesis of B vitamins (microorganisms)
 R01AM-10067-08 Biosynthesis of the DBI moiety of vitamin B12 (propionibacteria)
 R01AM-13128-08 Regulation of catecholamine biosynthesis (cats, rats)
 R01AM-14834-04 Phenylalanine hydroxylase, PKU detection (rodents, human)
 ** R01AM-16622-02 Pterins in clinical patients
 ** R01CA-11778-05 Chemistry of folate and pteridine coenzymes
 ** R01CA-12876-03 Chemical and biochemical studies of pteridines (bacteria, animals)
 R01CA-14078-02 Development of new anticancer agents (mice, rats)
 ** R01CA-15659-01 Inhibition of pteridine enzymes in cancer chemotherapy (rats, human)
 R01GM-11300-11 Metabolic controls in light-driven metabolism (blue-green algae)
 R01GM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norepinephrine synthesis and neurally mediated release (rats, guinea pigs)
 ** P01HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (Octopeltus, Pyrrhocoris, Drosophila)
 ** P01MH-23861-02 0003 Biogenic amines and behavior - Pteridine cofactors in catecholamine and serotonin biosynthesis (rats, human)
 P01MH-23861-02 0004 Biogenic amines and behavior - Regulation of synaptosomal processes (rats)
 R01MH-24285-01 Mechanism of action of amphetamine in brain (human, cattle, rats)
 R01NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)

PTERIDINES, TRIAMTERENE

- ** P11GM-14270-08 0030 Human drug metabolism and toxicology - Triamterene (human, monkeys)
 P17HL-14192-04 0005 Specialized center of research in hypertension - Recognition and management of the syndrome of low renin essential hypertension
 ** M01RR-00060-13 0042 General clinical research center - Triamterene spironolactone in hypertension (human)
 M01RR-00062-12 0030 Clinical research center, children - Pressor mechanisms in hypertension
 M01RR-00095-14 0003 General clinical research center - Clinical hyperadrenocorticism (human)
 M01RR-00095-14 0057 General clinical research center - Antihypertensive therapy in suppressed renin hypertension (human)

PTERIDINES ANALOGS

- SEE ALSO FOLIC ACID ANTAGONISTS
 R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)

PTEROYLGLUTAMIC ACID

SEE FOLIC ACID

PUBERTY

SEE CHILDREN, PUBERTY
 SEE INFANT ANIMALS PUBERTY

PUBERTY PRECOCIOUS

SEE REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, PUBERTY PRECOCIOUS

PUBLIC ASSISTANCE (GENERAL)

SEE SOCIOECONOMICS, FINANCING ORGANIZED, PUBLIC ASSISTANCE (GENERAL)

PUBLIC ASSISTANCE, MEDICAL

SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING, MEDICAL INDIGENCY

PUBLIC HEALTH

SEE HEALTH, PUBLIC HEALTH

PUBLIC HEALTH NURSES

SEE HEALTH SCIENCES PROFESSIONS, NURSES PUBLIC HEALTH

PUBLIC INEBRIATE; DRINKING DRIVER; POVERTY ALCOHOLISM; DEMONSTRATION SURVEYS SPECIAL REVIEW - NIAAA

- ** R18AA-00003-01 Services for problem drinking drivers
 ** R18AA-00016-02 Community alcoholism services poverty program
 ** R18AA-00031-01 Treatment of families and children of alcoholics
 ** R18AA-00043-01 Ex-offender alcohol abuse project
 ** R18AA-00045-01 Alcoholism services program
 ** R18AA-00049-02 Community alcoholism services poverty program
 ** R18AA-00051-01 Demonstration project halfway house for alcoholics
 ** R18AA-00053-02 East central task force on alcoholism
 ** R18AA-00059-02 Alcohol and recovery program

- ** R18AA-00060-02 Rehabilitation (alcoholism)
 ** R18AA-00062-02 Cranston community action alcoholism program
 ** R18AA-00067-01 Rural poverty community alcoholism services program
 ** R18AA-00074-02 Community alcoholism services poverty program-New York
 ** R18AA-00079-02 Community alcoholism services, poverty program
 ** R18AA-00080-02 Alcoholism rehabilitation services
 ** R18AA-00083-02 Community alcoholism services poverty program
 ** R18AA-00085-02 Alcoholism counseling program
 ** R18AA-00086-02 Alcohol rehabilitation project
 ** R18AA-00087-02 Community alcoholism services poverty program
 ** R18AA-00094-02 Alcohol rehabilitation center
 ** R18AA-00097-02 Community alcoholism services poverty program-Missouri
 ** R18AA-00100-02 Community alcoholism services poverty program
 ** R18AA-00106-02 Community alcoholism services poverty program
 ** R18AA-00361-02 C and ROP alcoholism program
 ** R18AA-00462-01 Services for problem drinking drivers
 ** R18AA-00470-01 Services for problem drinking drivers
 ** R18AA-00502-01 Community alcoholism services poverty program
 ** R18AA-00601-01 Portland public inebriate demonstration project
 ** R18AA-00602-01 Public inebriate service
 ** R18AA-00608-02 Community alcoholism services poverty program
 ** R18AA-00609-02 Alcoholism rehabilitation
 R18AA-00612-02 North Iowa alcoholism coordinating center (human)
 ** R18AA-00613-02 Community alcoholism services poverty program
 ** R18AA-00615-02 Community alcoholism services
 ** R18AA-00616-02 Eastern Montana alcoholism program
 ** R18AA-00619-02 Waldo-Knox alcoholism counseling and recovery program
 ** R18AA-00620-02 Tri-county aid to alcoholics project (tri-county AAP)
 ** R18AA-00621-02 Alcoholism project
 ** R18AA-00624-02 Alcoholism, counseling and treatment
 ** R18AA-00651-02 Community alcoholism services poverty program
 ** R18AA-00652-02 Poverty alcoholism program
 ** R18AA-00654-02 Mission unity group
 ** R18AA-00668-02 Alcohol counseling and recovery program
 ** R18AA-00679-01 Services for problem drinking drivers
 ** R18AA-00680-01 Quarter-house continuum care demonstration project
 ** R18AA-00682-01 Alcoholism treatment project-Mental health services
 ** R18AA-00692-02 Community alcoholism services poverty program
 ** R18AA-00693-02 Community Alcoholism Services Poverty Program
 ** R18AA-00695-02 NCAC Alcohol Program
 ** R18AA-00696-02 Community alcoholism services poverty program
 ** R18AA-00702-02 Alcoholism counseling and recovery program
 ** R18AA-00710-02 Community alcoholism services poverty program
 ** R18AA-00713-02 Community alcoholism service poverty program
 ** R18AA-00714-02 Alcohol recovery program
 R18AA-00715-02 Napa Council on alcoholic problems
 ** R18AA-00716-02 Community alcoholism rehabilitation and education program
 ** R18AA-00718-02 Community action committee alcohol rehabilitation program
 ** R18AA-00720-02 Progressive community club, Inc.
 R18AA-00722-02 Community alcoholism services program (human)
 R18AA-00727-02 Community Alcoholism Services Poverty Program
 ** R18AA-00728-01 Community alcoholism service-Povert program
 ** R18AA-00732-01 Elmont alcoholic treatment center
 R18AA-00734-01 Community alcoholism services in low income areas
 ** R18AA-00735-01 Utah state prison alcohol treatment program
 R18AA-00739-02 Operation newstart (human)
 R18AA-00740-02 Alcoholism prevention and referral service (human)
 R18AA-00741-02 Community alcoholism services poverty program
 ** R18AA-00742-02 Community action program on alcoholism (CAPA)
 R18AA-00743-02 New York City Community Development Agency alcoholism information depots
 R18AA-00744-02 Alcoholic incentive ladder program
 ** R18AA-00760-01 Stonewall-alcoholic rehabilitation
 ** R18AA-00771-01 Owl region rural alcohol demonstration program

- ** R18AA-00773-01 Alcohol intervention program of greater Lynn (Massachusetts)
 R18AA-00793-02 A community response to alcoholism
 ** R18AA-00803-02 Alcoholism counseling and recovery program
 ** R18AA-00805-01 Alcoholic rehabilitation and counseling program
 ** R18AA-00818-01 Identification/treatment alcoholic in court system
 ** R18AA-00822-01 Community alcoholism services poverty program
 ** R18AA-00834-02 Alcoholism counseling and recovery
 ** R18AA-00837-02 Alcoholism rehabilitation project
 ** R18AA-00838-02 Cambridge Economic Opportunity Committee community alcoholism program
 ** R18AA-00842-01 Mercer alcoholism program
 R18AA-00843-02 Community agency serving alcoholics
 ** R18AA-00844-02 Inter-Lakes community action alcohol program
 R18AA-00845-02 Alcoholism rehabilitation program
 R18AA-00855-02 Indian River County alcohol and drug abuse program
 R18AA-00863-02 Comprehensive alcoholism recovery program
 ** R18AA-00864-02 Community action council alcoholism program
 R18AA-00866-02 Community alcoholism services poverty program
 R18AA-00870-02 Community alcoholism counseling and recovery program
 ** R18AA-00871-02 Alcoholism and family counseling
 ** R18AA-00872-02 Alcoholism counseling and recovery program
 ** R18AA-00873-02 Alcoholic family rehabilitation agency
 ** R18AA-00883-02 Community alcoholism service poverty program
 ** R18AA-00884-02 SRCAA community alcoholism services poverty program
 ** R18AA-00885-02 Community alcoholism service poverty program
 ** R18AA-00889-02 Support for alcoholism control program
 R18AA-00889-02 Vermilion County community action agency
 ** R18AA-00907-02 Alcoholic counseling and recovery program
 R18AA-00908-02 Fairview halfway house
 R18AA-00010-02 Community center for alcoholism of Jefferson County
 ** R18AA-00018-01 Mid-delta alcoholism services for the poor
 ** R18AA-00923-02 Little Crow alcoholic counseling and referral program
 ** R18AA-00924-02 Center for drinking problem
 R18AA-00926-02 Community alcoholism services poverty program
 R18AA-00928-02 Inner city council on alcoholism
 ** R18AA-00929-02 Community alcoholism services poverty program
 ** R18AA-00932-02 Northeast Kansas alcoholism poverty program
 R18AA-00933-02 Community alcoholism services poverty program
 ** R18AA-00934-02 City of Phoenix-Family alcoholism project
 ** R18AA-00935-01 Public inebriate program for Indianapolis
 R18AA-00054-02 Alcoholic education rehabilitation program
 ** R18AA-00955-02 Burlington County alcoholism program and center
 ** R18AA-00969-01 Victor Valley alcoholism program
 ** R18AA-00974-01 Bridge house rural alcoholism program
 ** R18AA-00983-02 Alcoholism counseling program
 ** R18AA-00984-02 Multi-service alcohol treatment program
 ** R18AA-00990-02 Support for alcoholism control program
 ** R18AA-00905-01 Dade Co women's alcohol treatment program
 ** R18AA-01013-01 Community family therapy outreach alcoholism program
 ** R18AA-01025-02 Alcoholism rehabilitation
 R18AA-01027-02 Community alcohol service poverty program
 ** R18AA-01031-02 Support for alcoholism control program
 ** R18AA-01040-02 Alcoholism Outreach Program
 ** R18AA-01045-02 Community alcoholism services
 ** R18AA-01046-02 Community alcoholic rehabilitation program
 R18AA-01047-02 Division of neighborhood services (human)
 R18AA-01048-02 Alcoholic rehabilitation program
 ** R18AA-01049-02 Support for alcoholism control program
 R18AA-01050-01 Community alcoholism services poverty program
 R18AA-01052-02 Community alcoholism services
 R18AA-01057-02 Alcohol counseling program
 ** R18AA-01058-01 Community alcoholism services-Povert program
 ** R18AA-01060-02 Trenton alcoholism program (human)
 R18AA-01063-02 Community alcoholism services poverty program (human)
 ** R18AA-01067-02 Alcoholic rehabilitation program (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R18AA-01068-02 Community alcoholism services and poverty program
 R18AA-01069-02 Mid-Carolina Council on Alcoholism
 ** R18AA-01070-02 OCCSA Alk Rehab Project
 ** R18AA-01073-02 Support for alcoholism control program
 ** R18AA-01131-02 Orange County poverty alcoholism proposal
 ** R18AA-01132-02 RECAP alcoholism program
 ** R18AA-01133-02 Alcoholic information and referral services
 ** R18AA-01137-01 Community alcoholism program
 ** R18AA-01138-01 Alcoholism services center
 R18AA-01140-02 Community Alcoholism Services Poverty Program
 R18AA-01147-02 Alcoholic rehabilitation program
 ** R18AA-01149-01 Alcoholism counseling and recovery program
 ** R18AA-01151-01 Low income component of Spokane alcohol service system
 ** R18AA-01154-02 United Planning Organization community alcoholism services
 ** R18AA-01155-02 Area alcoholism poverty program
 ** R18AA-01156-01 Economic opportunity agency of Pulaski Co alcoholism program
 ** R18AA-01158-01 Licking County alcoholism prevention program
 R18AA-01159-02 Comprehensive alcoholism project
 ** R18AA-01160-02 Choctaw community alcoholism services (Indian program)
 ** R18AA-01163-01 Alcoholic counseling and recovery program
 ** R18AA-01166-01 Southwestern Wisconsin alcoholism program
 ** R18AA-01169-01 J.C.E.O.C. alcoholism community action program
 R18AA-01170-02 Community alcoholism services poverty program
 R18AA-01176-02 Community alcoholism services poverty program (human)
 ** R18AA-01177-01 South County alcoholism information and referral center
 R18AA-01180-02 Alcoholism counseling project
 R18AA-01181-01 CEO alcoholism program
 ** R18AA-01184-01 Alcoholism counseling and recovery program
 ** R18AA-01192-01 Inner-city alcohol recovery and rehabilitation project
 ** R18AA-01201-02 Support for alcoholism control program
 ** R18AA-01205-01 CAA Delaware, Madison and Union Counties alcoholism project
 ** R18AA-01206-01 Community alcoholism services poverty program
 ** R18AA-01211-01 Alcoholism prevention and treatment project
 ** R18AA-01221-01 Community alcoholism services poverty program
 ** R18AA-01223-01 Community alcoholism services—Poverty program
 ** R18AA-01234-01 Anchorage social development center project
 ** R18AA-01235-01 Alcoholism counseling and recovery program
 ** R18AA-01237-02 Community alcoholism services poverty program
 ** R18AA-01246-01 Community alcoholism poverty program
 ** R18AA-01247-01 Community alcoholism services poverty program
 ** R18AA-01267-01 Community alcoholism service poverty program
 ** R18AA-01269-01 Community Alcoholism Services Poverty Program
 ** R18AA-01383-01 Alcohol counseling and recovery programs
 ** R18AA-01394-01 Dona Ana alcoholism treatment program
 R18AA-01400-01 Southwest Indian Foundation Alcoholism Program
 ** R18AA-01406-01 Alcoholism information and referral center, Inc.
 R18AA-01410-01 Cheyenne alcoholism counseling program
 ** R18AA-01440-01 Martin Luther King, Jr. alcoholism program
 ** R18AA-01476-01 Alcoholism emergency care services
 ** R18AA-01477-01 Community alcoholism services poverty program
 ** R18AA-01482-01 Alcohol program for migrants and farmworkers
 ** R18AA-01487-01 Columbia Point alcoholism program
 ** R18AA-01497-01 West Side non-medical detoxification
 R18AA-01507-01 Alcohol counseling and education
 ** R18AA-01533-01 Comprehensive alternative care services project
 ** R18AA-01561-01 Alcoholism service program region XIV
 ** R18AA-01574-01 Bowery residents' committee ambulatory drop-in center
 ** R18AA-01583-01 Alcoholism service delivery project
 ** R18AA-01590-01 Roxbury court alcoholism screening/referral program
 ** R18AA-01606-01 Special project—Criminal justice alcoholism program

** R18AA-01615-01 Community alcoholism services Spanish-American
 ** R18AA-01619-01 Comprehensive rural alcoholism program
 ** R18AA-01637-01 Criminal justice-alcoholism project II
 ** R18AA-01645-01 Alcoholism outreach counselors
 ** R18AA-01663-01 Newport regional comprehensive alcoholism program
 ** R18AA-01666-01 Alcohol abuse and alcoholism demonstration project
 ** R18AA-01682-01 Black alcoholism—Education, outreach and treatment
 ** R18AA-01683-01 Mississippi river human services center
 ** R18AA-01718-01 Court alcohol abuse program
 ** R18AA-01737-01 State legislative action on alcoholism and drug abuse
 ** R18AA-01742-01 Council of state and territorial alcoholism authorities
 ** R18AA-01745-01 Alcoholism within prepaid group practice HMO's
 ** R18AA-01764-01 Public inebriate program
 ** R18AA-01771-01 Community poverty alcoholism rehabilitation program
 ** R18AA-01787-01 Community alcoholism services poverty program
 ** R18AA-01810-01 Community alcoholism services poverty program
 ** R18AA-01847-01 Services for problem drinking drivers

PUBLIC OPINION

SEE POPULATION SURVEYS, PUBLIC OPINION

PUBLICATIONS

** P01AA-00211-13 Rutgers center of alcohol studies (documentation)
 ** R18AA-01356-01 UnAlaska council on alcoholism
 ** N01AA-30077-02 Prepare manuscripts on alcoholism
 N01AA-30105-00 Development of articles on alcohol abuse and alcoholism
 N01AA-40019-00 Alcohol education program for parents and school children
 ** N01AA-40021-00 Publications and audiovisual presentations in alcoholism
 N01AA-40032-00 Evaluating the operation DOT/NAAA joint alcoholism program
 N01AA-32515-05 Efficacy of tissue matching in renal transplants
 N01AA-80654-12 Communication services for interferon investigators
 P02CA-11911-04 0023 Clinical cancer center - Patients with preleukemia
 R18CA-16402-01 0002 Cancer control development grant - Medical education and communications (medical and allied personnel)
 N01CB-43991-00 Hormone therapy plus chemotherapy in patients with breast cancer
 N01CM-40044-10 0006 STUDY OF ANIMAL BREEDING AND MAINTENANCE STANDARDS
 ** N01CN-45042-00 Technical services in support of the National Cancer Program Bulletin
 ** N01CO-45419-00 Technical writing services in support of cancer related public inquiries
 N01DA-00143-05 Training material for teachers on abuse of drugs
 R01DA-01061-01 Analysis of a three year adolescent drug-use survey
 ** N01DA-30172-00 Publish proceedings of First International Conference on Narcotic Antagonists
 N01DA-40129-00 Development of a thesaurus for drug abuse resources and materials file
 N01DE-32405-01 Prenatal development of human oral and facial structure
 R01FD-00635-09 Radiation protection and measurement
 N01HB-22950-04 Studies in sickle cell disease (human)
 N01HB-22962-04 A study of the molecular and clinical aspects of sickle cell disease
 R13HD-01765-08 Minnesota Symposium on Child Psychology
 P01HD-02274-08 0002 Mental retardation and child development - Neuroembryology (human)
 P01HD-02741-10 0001 Experimental cytology of aging cells and tissues - Changes in protein synthesis with age in vivo (rats)
 ** N01HD-42813-00 Effect of age on ventricle stiffness and contractility (dogs)
 P01HL-10436-09 0002 Congenital heart disease - Myocardial performance and metabolism in hearts of large animals (dogs, calves)
 P01HS-00080-09 0004 Health administration studies - Research on hospitalists
 P01HS-00110-11 0019 Medical care and patient care research program (human) - International collaborative study of medical care utilization
 P01HS-00110-11 0028 Medical care and patient care research program (human) - Development of index community health
 P16HS-00471-06 0003 Health services research center - Public general hospitalists
 ** P16HS-00472-06 0007 Health services research center - Basic record systems of health manpower training
 P16HS-00472-06 0024 Health services research center - Trends in health-insurance operating expense

** P16HS-00472-06 0029 Health services research center - National health insurance
 ** P16HS-00472-06 0033 Health services research center - Bookshelf in public health, medical care and allied fields
 ** P16HS-00472-06 0034 Health services research center - Planning for hospital discharge
 R01HS-00541-03 Interorganizational networks of urban health services
 N01HV-12442-07 Therapy for hypertension in the general population
 N01HV-42985-00 Natural history of blood pressure from infancy into adulthood (human)
 R01LM-00673-06 Development and evaluation of instructional materials
 ** R13LM-00824-05 Comparative histological nomenclature
 ** R01LM-01706-03 Index to biomedical congress and symposia proceedings (medical school)
 ** R01LM-02024-01 Chigger mites of the world—Leptotrombidium complex
 ** N01LM-24712-02 Regional medical library for the southeastern region
 ** N01LM-34714-01 Subscription to chemical biological activities
 ** N01LM-34736-01 Recataloging serine data base
 N01LM-44741-00 File maintenance
 N01MB-44211-00 Indian health career counselor's program
 R12MH-09239-07 International study of schizophrenia
 ** R01MH-23132-02 Neurosciences research program
 R01MH-23604-02 Self survey of the black community of Topeka, Kansas
 ** R12MH-25121-01 Dissemination and utilization of information
 R01MH-25292-01 Municipal employee unions—Impact on service delivery
 R01MH-25551-01 Mental health R and D center in black communities
 ** N01MH-44062-00 Develop a glossary of health manpower planning terms
 N01NS-12316-04 Participation in a study of cerebral death (human)
 N01NS-32306-03 Operation of an information center in brain and other neurosciences
 N01NS-42336-00 Incidence, prevalence and costs of intracranial neoplasms
 N01NU-04147-09 Study home health agencies for most effective use of nurse manpower
 ** P07RR-00267-09 0014 Biomedical data processing unit - Bio-medical library serials control system
 N01RR-40044-16 0012 - DEVELOP GUIDELINES FROM THE IAR

PUBLICATIONS, ATLASES

P01AM-08445-10 0011 Biology of skin of man and other primates - Comparative morphological investigations (human, mole, opossum)
 ** R01CA-08575-09 Atlas of tumor pathology
 R01CA-10906-07 Molecular structures of steroids
 P13DE-02731-08 0008 Development support for dental research institute - Dental biometrics (human)
 P01DE-02918-06 0002 Oral-facial growth and development in primates - Prenatal and postnatal craniofacial development (Macaca, Papio)
 ** R01EY-00215-14 Neuropathology and clinical ophthalmological diagnosis (human)
 ** P01HD-04147-06 0010 Research in mental retardation - Neuropathology (human, rats, monkeys)
 P01HD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)
 R01HD-08202-02 Gonadal differentiation in the human fetus
 R01HL-03181-17 0020 Hemodynamics as applied to surgical problems - Cardiac output and its regional distribution (dogs)
 ** R01LM-00911-03 Scientific communication within medical research
 ** R01LM-01660-02 Critical review of dog electrocardiography
 ** R01LM-02209-01 Publication of an atlas on the pathology of tropical diseases
 R01MH-07705-11 Studies on comparative psycholinguistics

PUBLICATIONS, BIOGRAPHY

** R01LM-00489-06 Waldemar M Haffkine—Public health pioneer
 ** R01LM-01842-02 Preparation of biography of Walter Bradford Cannon
 ** R01LM-02097-01 Hugh Cabot (1872-1945)—Study in medical reform
 ** R01LM-02189-01 Wellington's Surgeon General—Sir James McCrigan
 R01MH-12875-07 The legacy of Philippe Pinel

PUBLICATIONS, BOOKS

R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
 R13AM-09431-09 Annual symposia on biology of the skin
 ** N01CO-45404-00 Publication of cancer committee books
 R01DA-00291-02 History of opiate dependence
 R01ES-00608-04 A series of essays in toxicology
 R01FD-00010-15 Toxicology of commercial products
 P01HD-01136-10 0014 Center for research in human learning - Aphasia

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

R01HD-07831-01 Survey on worldwide variation in human growth and physique
 R01HL-09831-08 Effect of resistivity variations on electrocardiogram (human)
 R01LM-01658-03 Jacques Tenon and hospital reform in 18th century France
 ** R01LM-01804-02 The medical enlightenment, 1695-1750
 ** R01LM-01941-02 Development of anatomical sciences (Galen to Vesalius)
 ** R01LM-01988-01 Medicine after Descartes
 R01LM-02054-01 History of the medicinal uses of vegetable gums
 R01LM-02097-01 Hugh Cabot (1872-1945)-Study in medical reform
 R01LM-24720-03 Repair, restoration and rebinding of rare books
 R01LM-34707-01 Repair, restoration and rebinding of rare books
 ** R01LM-44722-00 Purchase of rare books
 R01MH-11321-08 (human) Motivation and experience-Theory
 R01MH-17484-05 Objective and subjective components of grammar
 ** R01MH-21811-01 Human predicaments and human services
 R03MH-23871-01 Communal, social and cultural patterns
 R03MH-24096-01 Analysis of data related to ethology (reptiles)
 R01MH-24266-01 Effect of survey question wording on survey results
 R01MH-24592-01 Models of madness in antiquity (Greece)
 R03MH-24967-01 History of psychophysiology and psychosomatic medicine
 R03MH-25016-01 Effect of mass media on children's sex-role behaviors
 R01MH-25438-01 Talent in interpersonal exploration groups (human)
 ** R03MH-25470-01 Psychoanalytic influence in America after 1917
 R03MH-25779-01 Change in a correctional facility for delinquents
 ** R13MH-25786-01 Miniconsultation on the mental and physical health of black women
 R01MH-26103-01 Black abolitionist physicians in 19th century USA
 ** R01MH-30010-00 Writing a book on psychiatric training
 ** R01NS-42326-00 Analysis of speech language and hearing deficits (human)

PUBLICATIONS, CATALOGS

R01AH-24060-03 Guidance and counseling services for careers in allied health
 R01CA-15408-01 Report on current plant remedies of Middle America
 ** R01GM-18676-03 Catalogs of Mendelian traits of man
 ** R01GM-19489-03 0029 Study of human genetics - Theory, applications and consequences of genetic counseling
 R01HB-42937-00 Education program evaluation and development
 R01HD-02274-08 0004 Mental retardation and child development - Central laboratory for human embryology (and animals)
 ** R01LM-01703-02 To catalog medical library of Transylvania University
 R01LM-01842-02 Preparation of biography of Walter Bradford Cannon

PUBLICATIONS, DICTIONARIES

** R01DA-40129-00 Development of a thesaurus for drug abuse resources and materials file

PUBLICATIONS, HANDBOOK

R18AA-00143-03 Illinois occupational alcoholism program
 R01CM-40044-10 0006 - STUDY OF ANIMAL BREEDING AND MAINTENANCE STANDARDS
 ** R01CN-45043-00 Updating a manual of cytotechnology
 R01CP-43285-00 Short courses on laboratory biohazards and injury control
 ** R01DA-20076-00 Legal handbook for methadone maintenance programs
 R01DA-20139-03 Development of a uniform system for reporting drug related deaths
 ** R01DA-30177-00 Barbiturate treatment manual
 R01HD-03144-07 0017 Development of culturally deprived children - Behavioral methodology modifying child behavior of urban families in home
 R01HD-22707-04 Develop methods to use 1960 and 1970 census samples
 ** R01HL-06276-13 Nervous system vascular patterns (human, mammals nonhuman)
 R18HS-00567-04 Project to improve utilization of radiologic manpower
 ** R18HS-01546-01 Radiologic diagnosis-Definition of standards of care
 ** R01LM-01655-02 Toxic plants of the Caribbean
 R01MH-16125-06 Family mental health-Diffusing community strategies
 R01MH-18864-04 Epidemiology of achievement and psychiatric status
 R01MH-21214-02 Critical behaviors in the care of the mentally ill

R01MH-21742-02 Citizen evaluation of community mental health center services
 R01MH-22890-02 Behavior modification-Evaluating effects on patients
 R01MH-22891-02 Crisis intervention by the use of telephone therapy
 R01MH-24455-01 Self-evaluative model for hotlines
 ** R01MH-30237-00 Practical guide to planning program in crime and delinquency
 ** R01MH-90081-07 Preparation of a handbook of evaluation research
 P07RR-00259-08 0073 Computational research center program - Documentation and user-oriented publications
 ** R01RS-32137-00 Biohazards safety guide

PUBLICATIONS, HISTORY OF LIFE SCIENCES

SEE ALSO HEALTH CARE PRACTICE, PRIMITIVE MEDICINE
 ** R01DA-00291-02 History of opiate dependence
 P10ES-00928-01 0013 Environmental agents-Relation to human health effects - Secular changes in lung dust burden, 1912-72 (human)
 P10ES-00928-01 0020 Environmental agents-Relation to human health effects - Secular changes in lung burden of trace metals, 1912-72 (human)
 R01HD-07093-02 Effect of labor market on birth and marriage rates
 ** R01HD-08586-01 Population dynamics in preindustrial England
 ** P18HL-15158-03 0026 Comprehensive sickle cell disease center - History of sickle cell anemia
 ** R01HS-01698-01 Publication of 'The Hospital Ward Book'
 ** R01LM-00489-06 Waldemar M Haffkine-Public health pioneer
 ** R01LM-00984-04 Galen's treatise on the diseased parts of the human
 R01LM-01396-03 History of health in Indian and Oklahoma territories
 ** R01LM-01539-02 Mortality and the medical treatment of slaves
 ** R01LM-01658-03 Jacques Tenon and hospital reform in 18th century France
 R01LM-01804-02 The medical enlightenment, 1695-1750
 R01LM-01842-02 Preparation of biography of Walter Bradford Cannon
 ** R01LM-01943-01 Man and nature in Robert Fludd's system of the world
 ** R01LM-01988-01 Medicine after Descartes
 ** R01LM-02054-01 History of the medicinal uses of vegetable gums
 ** R01LM-02058-01 Historical study of neoplasms
 R01LM-02071-01 Health care of blacks in ante-bellum South
 R01LM-02097-01 Hugh Cabot (1872-1945)-Study in medical reform
 ** R01LM-02109-01 Traditional chinese medicine
 ** R01LM-02189-01 Wellington's Surgeon General-Sir James McGrigor
 ** R01LM-02268-01 An American doctor's letters on French surgery, 1832-5
 ** R01LM-02306-05 History of mental hospitals in the United States to 1900
 R01MH-12875-07 The legacy of Philippe Pinel
 P01MH-13390-08 The study of language (human)
 R01MH-23543-01 Incarceration in 20th century America
 ** R03MH-23871-01 Communal, social and cultural patterns
 ** R03MH-23967-01 The sociology of acceptance of therapies
 R01MH-24592-01 Models of madness in antiquity (Greece)
 ** R01MH-24690-01 Annals of black psychiatry
 ** R03MH-24967-01 History of psychophysiology and psychosomatic medicine
 ** R01MH-25834-01 Social change in the family and life course
 ** R03MH-25881-01 Comparative analysis of rates of violent crimes
 ** R01MH-26103-01 Black abolitionist physicians in 19th century USA
 ** R02NU-00443-02 Study of US cadet nurse corps

PUBLICATIONS, INDEXES

R01DA-40129-00 Development of a thesaurus for drug abuse resources and materials file

PUBLICATIONS, JOURNAL

P01AA-00211-13 Rutgers center of alcohol studies (documentation)
 ** R01AM-42204-00 Gastroenterology abstracts and citations
 R01CA-05096-13 Programme of the International Union Against Cancer
 ** R01CA-09247-22 Partial subsidy for the journal Cancer Research
 ** R01CM-43720-00 Cancer therapy abstracts
 ** R01CP-43304-00 'Carcinogen abstracts' subscribers
 ** R01DE-03563-03 Interdisciplinary communication on cranioc-facial defects
 ** R01HD-05268-04 Support and expansion of the journal Demography
 R01HD-12138-04 Support publication of population index
 R01LM-00003-15 Abstracting medical literature for Arctic bibliography

** R01LM-01954-02 Review articles in the Journal of Medical Entomology
 ** R01LM-14731-05 Filling gaps in missing NLM collection
 R01LM-34709-03 Regional medical library services
 ** R01LM-34717-02 Indexing journal articles in biomedical literature for incorporation into MEDLAR
 R01LM-44737-00 Recataloging journals to title entry
 ** R01LM-44739-00 Cooperative cataloging of current biomedical publications
 R01LM-44740-00 Data preparation for a single input serial system conversion task
 R03MH-25193-01 Drug dependency and criminal responsibility
 R12MH-25619-01 A resource center for program evaluation
 ** R01MH-30187-00 Editing services for journal
 ** R01OD-32109-04 Evaluation of linkage between research publications and NIH funding
 ** R01RR-00419-07 Laboratory primate newsletter

PUBLICATIONS, LITERATURE SURVEY

P01AA-00211-13 Rutgers center of alcohol studies (documentation)
 ** R18AA-01257-01 A critical review of research on social factors in alcoholism
 R01AA-20123-08 National Institute on Alcohol Abuse and Alcoholism-Clearinghouse
 R01AA-40009-00 Structure and impact of alcohol research
 R01AI-11292-01 Fleas of North America-Ecology and systematics
 R01AM-09136-15 Studies in cryobiology (rabbits, turtles)
 ** R01AM-70663-13 Preparation of a diabetes-related literature index
 P01CA-11428-04 Epidemiology of cancer (human)
 P01CA-16359-01 0057 Cancer center support grant - Epidemiology of esophagus and kidney cancer
 ** R01CB-33864-02 Computer accessed bibliographic and citation data
 ** R01CP-33402-03 Literature search, retrieval and compilation for PHS-149 series and indexes
 ** R01CP-43284-00 Incidence of esophageal cancer in specific geographic regions
 ** R01CP-43293-01 Preparation of carcinogenesis abstracts
 ** R01CP-43294-00 Hormones and oral contraceptives
 ** R01CP-43302-00 Carcinogenesis bioassay dose response study
 ** R01CP-43303-00 Thyroid-active substances and urethane
 ** R01CP-43305-00 Literature support for nitrosamines program
 ** R01CP-45601-00 Biological data on eight compounds
 R01CP-45622-00 Tobacco smoke constituents (animals)
 R01DA-00291-02 History of opiate dependence
 P01DA-01097-01 0016 Center for socio-cultural research on drug use - Drug policy abroad
 R18DA-01103-01 Ethnicity, socialization and multiple drug use
 ** R01DA-30198-00 Drug abuse information materials and publication
 R01DA-30200-00 Feasibility of study of effect of drug law violations
 ** R01DA-30222-00 Preparation of annotated bibliographies on drug use/abuse
 R01DA-30239-00 Study and report on research in area of children and drug abuse
 ** R01DA-40117-00 Bibliographic materials on drug abuse topics
 R01DA-40131-00 Editing and reclassifying the drug abuse information resource and material file
 R01DA-40135-00 Acquisition and abstracting of drug abuse literature
 R01DA-40146-00 Interaction studies with stimulants and depressants
 R01DA-40149-00 Patterns and life styles of human cocaine users
 P01HD-02528-08 0088 Research center in mental retardation - Experimental analysis of memory deficits of retarded and deaf children
 R01HD-06604-02 The politics of population policy in Latin America
 R01HD-08577-01 Cross-cultural study of treatment of the aged
 ** R01HD-12138-04 Support publication of population index
 R01HD-22736-02 International documentation center on human reproduction
 R01HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
 P01HL-10539-09 0017 Pathophysiology of circulation - Clinico-pathologic correlations in myocarditis (human)
 R13HL-16724-01 Applying behavioral science to cardiovascular risk
 P01HS-00110-11 0011 Medical care and patient care research program (human) - Research design in evaluation of medical care programs
 P01HS-00110-11 0028 Medical care and patient care research program (human) - Development of index community health
 P01HS-00110-11 0030 Medical care and patient care research program (human) - Efficacy information retrieval study
 ** P01HS-00110-11 0032 Medical care and patient care research program (human) - Bibliography of effectiveness and efficiency of medical care

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

P16HS-00429-04 0005 Health services research and development center - Drug studies program
 ** P16HS-00472-06 0040 Health services research center - Incentives to consumers to forego practices destructive to their health
 R01HS-01529-01 A systems model for health care delivery
 R01HS-01649-01 Development of criterion measures of nursing care
 ** R01LM-00003-15 Abstracting medical literature for Arctic bibliography
 R01LM-00911-03 Scientific communication within medical research
 R01LM-01426-03 A quality filtering information system
 R01LM-01660-02 Critical review of dog electrocardiography papers
 R01LM-01701-02 Establishing an information system for bioethics (universities)
 ** R01LM-01786-02 Synthesis of literature on mosquitoes
 ** G08LM-01834-01 MEDOC-medical documents index
 R01LM-01855-02 Index to computerized teaching in the health sciences
 ** R01LM-01927-01 Annual review of allied health education and research
 ** R01LM-02074-01 Review of information needs and use studies in medicine
 ** R01LM-02281-01 Critical review of neuron biophysics
 ** R01LM-034711-02 Indexing journal articles in biomedical literature for incorporation into MEDLAR
 ** R01LM-34716-01 Indexing biomedical literature for MEDLARS data base
 ** R01LM-44720-00 Teratogenesis bibliographic references in machine readable form
 N01LM-44733-00 Conversion of HEPP titles and abstracts
 N01LM-44736-00 System for writing abstracts for audiovisual materials
 ** N01MH-10067-05 Provide mental health documents including drug abuse
 P01MH-11668-09 0005 Psychosocial factors in health and disease - Conservation-withdrawal
 ** P01MH-12972-08 0026 Research program in personality assessment - Information processing in judgment and decision making-Decade of research
 P01MH-13369-07 Program for research in psychiatric sociology
 M P01MH-19966-03 Psychiatric epidemiology research unit and two field studies
 ** P01MH-19966-03 0003 Psychiatric epidemiology research unit and two field studies - Psychiatric epidemiology literature profiles
 ** N01MH-20159-00 Abstract and index 15,000 documents
 N01MH-20180-00 Computer assisted instructional system in suicide studies
 N01MH-20202-00 Evaluation of NIMH funded financing studies and cost data-manpower
 ** N01MH-20204-01 Report on pre-paid group health insurance
 R01MH-20315-03 Assessment of behavior modification instruments
 R01MH-21669-03 Quality evaluation of mental health services
 R01MH-21708-02 Assessing relevance of indirect services in schools
 R12MH-22761-02 Mental health evaluations-Analysis and dissemination
 R01MH-23248-02 Mechanisms of generalized behavior change (human)
 R01MH-23875-02 Measurement resource in child behavior
 R01MH-24266-01 Effect of survey question wording on survey results
 R01MH-24594-01 Behavioral communications approach to marital success
 ** R01MH-24787-01 Research review of black mental health-Mental illness
 R03MH-25193-01 Drug dependency and criminal responsibility
 R03MH-25470-01 Psychoanalytic influence in America after 1917
 R12MH-25619-01 A resource center for program evaluation
 R01MH-26103-01 Black abolitionist physicians in 19th century USA
 N01MH-30057-00 Evaluate NIMH funded financial studies and cost data-state financing
 N01MH-30089-00 Evaluation of minority training program
 ** N01MH-40016-00 Study on literature acquisition
 N01MH-40031-00 Protection of noninstitutionalized human subjects
 N01MH-40057-00 Feasibility study of mental health services
 N01MH-40059-00 Housing needs of ex-mental patients
 N01MH-40069-00 Educational needs of state mental health staff
 ** N01MH-40072-00 Readership survey of administration in mental health
 N01MH-40085-00 Community mental health service planning
 ** N01MH-90070-04 Provide mental health documents with emphasis on crime and delinquency
 ** R01NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)

P01NS-06828-08 0028 Neurophysiology-Sensory systems and cerebral cortex - Afferent input evoked by a noxious stimulus (monkeys)
 ** N01NS-32303-02 Publication of Epilepsy Abstracts, Volume VI
 ** N01NS-42326-00 Analysis of speech language and hearing deficits (human)
 ** N01NS-60933-10 Bibliographic service on cerebrovascular diseases
 R02NU-00423-02 Nurse autonomy and patient welfare
 ** P07RR-00267-09 0117 Biomedical data processing unit - Current awareness service
PUBLICATIONS, MONOGRAPH
 ** N01CP-45608-00 The evaluation of carcinogenic risk of chemicals to man
 R01DA-00083-04 Addiction careers of San Antonio addicts
 P01DA-01097-01 0001 Center for socio-cultural research on drug use - Ethnic/class influence on drug use
 N01ES-22090-03 Appraisal of environmental exposure to heavy metals
 ** R01FD-00213-13 Preparation of a food additives codex
 R01HD-07682-02 Differential fertility in the United States, 1960-1070
 ** N01HD-22737-04 Ecological study in a Guatemalan village
 N01HD-22754-03 Study of family, career and sexuality
 N01HD-32722-01 Evaluating the demographic impact of organized family planning programs
 ** N01HD-32726-02 Monograph on the computer simulation of human reproduction
 P01HS-00110-11 0005 Medical care and patient care research program (human) - Review of planning methods
 ** P01HS-00110-11 0006 Medical care and patient care research program (human) - Assessing outcome of medical care
 ** P01HS-00110-11 0040 Medical care and patient care research program (human) - Monograph on regional health planning
 P16HS-00471-06 0013 Health services research center - Regulation of quality of medical care
 N01LM-44708-00 Magnetic tapes used to prepare pesticides abstract bulletin for 1974
 P01MH-13369-07 Program for research in psychiatric sociology
 R01MH-18060-05 The permanent community sample (human)
 R01MH-18819-04 Precursors of suicide and other premature deaths
 ** N01MH-20121-00 Develop basic guide for mental health needs
 R01MH-22294-02 Measuring morale and related concepts
 ** N01MH-30246-00 Monograph on juvenile and criminal justice system
 ** N01MH-30247-00 Monograph of female delinquency and crime
 ** N01MH-30250-00 Monograph-Child abuse, policy issues and problems
 ** N01MH-30251-00 Monograph-Socialization of social responsibility
 N01MH-40029-00 Security and other special hospitals for mentally disordered offenders (human)
 ** N01MH-40046-00 Monograph-Applications of field methods to study of crime and delinquency
 ** N01MH-40054-00 An economic perspective on crime prevention and control
 N01MH-40056-00 Survey of child abuse and neglect service programs
 ** N01MI-34103-02 Monograph on health manpower planning in different countries
 N01MI-44067-00 Barriers to health manpower planning
 ** N01MI-44165-00 Production of a monograph
 N01MI-44187-00 Dimension of technical assistance to support health manpower planning
 N01MI-44229-00 Information and data needs to support health manpower planning
 R01NS-03855-12 Surgical anatomy of ear and temporal bone (human)
 R01NS-09937-12 Neurosciences research program
 N01NU-44129-00 Trace nature and extent of federal influence and impact on nursing
PUERTO RICAN
 SEE SOCIAL GROUPS, ETHNIC, AMERICANS, PUERTO RICANS
PUERTO RICO
 SEE GEOGRAPHICAL SITES, UNITED STATES, PUERTO RICO
PUFFER FISH TOXIN
 SEE TOXICOLOGY, ANIMAL POISONS, TETRODOTOXIN
PULMONARY AIRWAY RESISTANCE NORMAL
 SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES
PULMONARY ALVEOLAR PROTEINOSIS
 SEE RESPIRATORY DISORDERS, PULMONARY ALVEOLAR PROTEINOSIS
PULMONARY ARTERY
 SEE RESPIRATORY CIRCULATION, PULMONARY ARTERY
PULMONARY CIRCULATION
 SEE RESPIRATORY CIRCULATION, PULMONARY CIRCULATION

PULMONARY CIRCULATORY OBSTRUCTION
 SEE RESPIRATORY CIRCULATORY DISORDERS, PULMONARY CIRCULATORY OBSTRUCTIONS
PULMONARY DIFFUSION
 SEE RESPIRATORY FUNCTION, PULMONARY DIFFUSION
PULMONARY DISORDERS
 SEE RESPIRATORY DISORDERS, LUNG DISORDERS (GENERAL)
PULMONARY EDEMA
 SEE RESPIRATORY DISORDERS, PULMONARY EDEMA
PULMONARY EMPHYSEMA
 SEE RESPIRATORY DISORDERS, BRONCHITIS CHRONIC AND EMPHYSEMA
PULMONARY FIBROSIS AND GRANULOMAS
 SEE RESPIRATORY DISORDERS, PULMONARY FIBROSIS AND GRANULOMAS
PULMONARY HEART DISEASE
 SEE RESPIRATORY CIRCULATORY DISORDERS, PULMONARY HEART DISEASE
PULMONARY HYPERTENSION
 SEE RESPIRATORY CIRCULATORY DISORDERS, PULMONARY HYPERTENSION
PULMONARY HYPOXIA
 SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY
PULMONARY IMMATURETY, NEWBORN
 SEE CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME
PULMONARY INSUFFICIENCY (GENERAL)
 SEE RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY (GENERAL)
PULMONARY INSUFFICIENCY LUNG NEWBORN
 SEE CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME
PULMONARY INSUFFICIENCY POST-TRAUMATIC
 SEE RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY, SHOCK LUNG
PULMONARY ISCHEMIA AND HYPOXIA
 SEE RESPIRATORY CIRCULATORY DISORDERS, PULMONARY ISCHEMIA AND HYPOXIA
PULMONARY LAVAGE
 SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, PULMONARY LAVAGE
PULMONARY STRETCH RECEPTORS
 SEE RESPIRATORY SYSTEM, PULMONARY STRETCH RECEPTORS
PULMONARY SURFACTANT
 SEE RESPIRATORY SYSTEM, PULMONARY SURFACTANT
PULMONARY VALVE STENOSIS
 SEE HEART DISORDERS, VALVULAR, PULMONARY VALVE STENOSIS
PULMONARY VEINS
 SEE RESPIRATORY CIRCULATION, PULMONARY VEINS
PULMONARY VENTILATION
 SEE RESPIRATORY FUNCTION, PULMONARY VENTILATION
PULP
 SEE DENTAL STRUCTURE, PULP
PULP DISORDERS, DENTAL
 SEE DENTAL PULP DISORDERS
PULSE PRESSURE WAVES
 SEE CARDIOVASCULAR FUNCTION, VASOMOTION, PULSE PRESSURE WAVES
PULSE RADIOLYSIS
 SEE RADIATION EFFECTS, PULSE RADIOLYSIS
PULSUS PARADOXUS
 SEE HEART DISORDERS, ARRHYTHMIA, PULSUS PARADOXUS
PULVINAR
 SEE BRAM, THALAMUS, PULVINAR
PUMP-OXYGENATOR
 SEE CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, HEART MECHANICAL EXTRACORPOREAL
PUMPLESS BLOOD OXYGENATORS
 SEE CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, BLOOD OXYGENATORS
PUNCTURE (SURGICAL)
 SEE BODY FLUID BALANCE THERAPY, PARACENTESIS
PUPIL
 SEE EYE, PUPIL
PUPILLARY CONSTRICTORS
 SEE EYEDROPS AND MEDICATIONS, MIOTICS

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

PUPILLARY DILATORS

SEE EYEDROPS AND MEDICATIONS, MYDRIATICS AND CYCLOPLEGICS

PUPILLARY REFLEX

SEE EYE, VISION, PUPILLARY REFLEX

PUPILOGRAPHY

SEE EYE EXAMINATIONS, PUPILOGRAPHY*

PURE LINESSEE GENETICS, GENOTYPES, HOMOZYGOTES
SEE GENETICS, POPULATION GENETICS, INBREEDING**PURINE NUCLEOSIDE: ORTHOPHOSPHATE
RIBOSYLTRANSFERASE**SEE GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE
PHOSPHORYLASE**PURINE NUCLEOSIDE PHOSPHORYLASE**SEE GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE
PHOSPHORYLASE**PURINE NUCLEOSIDES**SEE ALSO ANTIBIOTICS, DECOYENINE
SEE ALSO THIOPURINE NUCLEOSIDES

- R01A1-08004-07 The nature of *Entamoeba histolytica*
- ** R01AM-14059-15 Pathways of purine metabolism (human)
- R01CA-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
- P01CA-02332-20 0037 Clinical and laboratory studies of normal and abnormal growth - Molecular aspects of cancer chemotherapy
- P01CA-12174-04 0002 Growth and cell control processes - Purine scavenger pathways in mammalian cells
- R01CA-12823-03 Pyrido 2, 3-D pyrimidine nucleosides as antitumor agents
- P02CA-13943-02 0006 Clinical pharmacology immunology cancer research center - Synthesis of potential CNS antitumor agents
- R01CA-14078-02 Development of new anticancer agents (mice, rats)
- ** M01AM-23710-03 Synthesis of potential antiviral-anticancer purine nucleosides
- ** R01GM-21034-01 Electrochemistry and interfacial behavior of purines

PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES

SEE ALSO ANTIBIOTICS, CORDYCEPIN

- ** R01A1-10214-04 Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture)
- R01AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
- P01CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)

**PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,
ADENINE ARABINOSIDE**

- R01A1-11636-01 Normal and virus-infected animal cells
- ** R01A1-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
- P02CA-05831-13 0027 Cancer clinical research - Pharmacology of new cancer chemotherapy agents
- R10CA-10379-06 Southwest cancer chemotherapy study group
- P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
- ** P02CA-12247-03 0034 Pediatric oncology center - Cytosine arabinoside and adenine arabinoside methodology (human)
- R01CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
- P01CA-13038-03 0036 Experimental therapeutics and cancer drug program - Degree of similarity between chemotherapeutic agents
- ** P02CA-13148-03 0070 Pilot cancer center - Ara-A therapy in immunosuppressed host
- R01CA-15675-01 Design and evaluation of antitumor nucleoside analogs
- P01EY-00446-06 0011 External ocular disease center - Antivirals (human, animals)
- P01EY-00446-06 0013 External ocular disease center - Other viruses (mice, primates)
- ** M01RR-00032-14 0066 General clinical research center - Adenine arabinoside treatment of herpesvirus hominis infection
- ** M01RR-00032-14 0069 General clinical research center - Ara-A in treatment of herpes zoster in patients without immunosuppression
- ** M01RR-00082-12 0106 General clinical research center - Parenteral adenine arabinoside in treatment of herpes uveitis (human)
- M01RR-00827-01 0018 General clinical research center - Chemotherapy of herpesvirus infections (human)
- ** M01RR-00847-01 0009 Clinical research centers - Adenine arabinoside in treatment of immunosuppressed patients
- ** M01RR-00847-01 0010 Clinical research centers - IDU and Ara-A in herpes virus hominis encephalitis (human)

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PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,**ADENOSINE**

SEE ALSO ANTIBIOTICS, TOYOCAMYCIN

SEE ALSO ANTIBIOTICS, TUBERCIDIN

- R01A1-11636-01 Normal and virus-infected animal cells
- R01A1-11980-01 Immunological tolerance to DNA in murine lupus nephritis (mice)
- ** R01AM-11748-07 0003 Regulation of metabolic processes - Effects of adenosine on liver metabolism (rats)
- ** R01AM-17415-01 Regulation of supply of utilizable purines by liver (rabbits, rats *E. coli* K12)
- R01AM-17622-01 Role of liver in erythrocyte nucleotide synthesis (rabbits, human)
- R01CA-04175-16 Cell culture studies on drugs and antimetabolites
- ** P01CA-13038-03 0059 Experimental therapeutics and cancer drug program - Cytotoxic effects of N6-substituted adenosine in sensitive cells
- R01CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
- P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
- R01GM-19111-03 Peptidyl transferase recognition sites
- ** R01GM-21420-01 Cyclic AMP regulation (human, mammals nonhuman, birds)
- P01HD-00781-11 0011 Studies on promaturity - Regulation of uterine and mammary blood flow (sheep)
- ** R01HL-10384-08 Blood flow and nucleotide metabolism in the heart (dogs, rabbits)
- ** P01HL-11678-07 0020 Cardiovascular dynamics and their control - Cardiac function and myocardial metabolism (dogs)
- R01HL-11906-07 Comparative study of heart function (guinea pigs)
- R01HL-12703-05 Vascular control mechanisms in skeletal muscle (dogs, cats)
- R01HL-14641-09 Phosphate metabolism in transport (human)
- ** R01HL-16412-01 Adenosine and the regulation of coronary flow (human, dogs)
- ** R01HL-16418-01 Adenosine as an indicator of cardiac ischemia in man
- R01HL-16438-01 The coronary vascular response to ischemia (dogs)
- R01NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- R01NS-10813-02 Genetic transcription in the mammalian brain (mice, monkeys)
- M01RR-00262-09 0009 General clinical research center - Urinary pseudouridine, N6-purifyl carbamoyl threonine in tRNA turnover (human)
- M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)
- ** M01RR-00262-09 0016 General clinical research center - Blood preservation in liquid state (human)
- M01RR-00262-09 0046 General clinical research center - N6-benzyladenosine in chemotherapy (human)

**PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,
ADENOSYLSULFONIUM**

SEE ALSO NUCLEOSIDYL AMINO ACIDS, S-

ADENOSYLMETHIONINE

- R01CA-13776-02 S-adenosylmethionine analogs as antitumor agents (mice, rats)

**PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,
3'-AMINO-3'-DEOXYADENOSINE**

- R01A1-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)

**PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,
DEOXYADENOSINE**

SEE ALSO ANTIBIOTICS, CORDYCEPIN

SEE ALSO PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES, 3'-AMINO-3'-DEOXYADENOSINE

SEE ALSO PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES, DIMETHYL-3'-AMINO-3'-DEOXYADENOSINE

SEE ALSO VITAMIN B12 COENZYMES

- R01CA-06913-10 Anabolic control in normal and neoplastic tissues (cattle, bacteria)
- R01CA-12084-03 B12 analogues as chemotherapeutic agents
- P02CA-12247-03 0034 Pediatric oncology center - Cytosine arabinoside and adenine arabinoside methodology (human)
- P01CA-13038-03 0037 Experimental therapeutics and cancer drug program - Interaction of inhibitors of ribonucleotide reductase

**PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,
DIMETHYL-3'-AMINO-3'-DEOXYADENOSINE**

SEE ALSO ANTIBIOTICS, PUROMYCIN

- P02AM-13083-06 0080 Organ transplantation - Immunopathology (human, rats)
- ** R01CA-12334-03 Action of aminonucleoside on normal and cancer cells

P11GM-15477-08 0031 Drug metabolism and biochemical pharmacology - Puromycin aminonucleoside induced hypoproteinemia and barbiturates (rats)

**PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,
ISOPENTENYL ADENOSINE**

- ** P01CA-13038-03 0058 Experimental therapeutics and cancer drug program - Metabolism of N6-isopentenyl adenosine in rat liver
- ** P01CA-13038-03 0059 Experimental therapeutics and cancer drug program - Cytotoxic effects of N6-substituted adenosine in sensitive cells
- M01RR-00262-09 0014 General clinical research center - Biologic reactivity of naturally occurring nucleosides (human, rats)

**PURINE NUCLEOSIDES, GUANINE
NUCLEOSIDES, DEOXYGUANOSINE**

SEE ALSO THIOPURINE NUCLEOSIDES, THIOGUANINE

NUCLEOSIDES, DEOXYTHIOGUANOSINE

- R01CA-06913-10 Anabolic control in normal and neoplastic tissues (cattle, bacteria)
- R01CA-11627-08 Actinomycins-Conformation and activity
- P01CA-13038-03 0037 Experimental therapeutics and cancer drug program - Interaction of inhibitors of ribonucleotide reductase
- PURINE NUCLEOSIDES, GUANINE
NUCLEOSIDES, GUANOSINE**
- SEE ALSO THIOPURINE NUCLEOSIDES, THIOGUANINE
NUCLEOSIDES, 6-THIOGUANOSINE
- R01A1-11980-01 Immunological tolerance to DNA in murine lupus nephritis (mice)
- P01CA-02332-20 0047 Clinical and laboratory studies of normal and abnormal growth - Molecular aspects of chemical carcinogenesis
- ** Y01CA-10005-00 Chemical profile of body fluids (human)
- R01CA-11479-05 Nucleolar pathology and molecular carcinogenesis (mice)
- R01CA-12316-04 Alkylation of polynucleotides in vitro and in vivo
- ** R01CA-14378-05 Biosynthesis of the mitomycin antibiotics
- R01HL-15696-02 Molecular basis of regulation of heart function (rats)
- ** M01RR-00063-12 0084 General clinical research center - Guanosine in the treatment of acute leukemia (human)

**PURINE NUCLEOSIDES, HYPOXANTHINE
NUCLEOSIDES, INOSINE**

- R01AM-10149-09 Hormonal control of lipid metabolism (rats)
- R01AM-17622-01 Role of liver in erythrocyte nucleotide synthesis (rabbits, human)
- ** Y01CA-10005-00 Chemical profile of body fluids (human)
- R01CA-11935-05 Synthesized polynucleotides as tumor and virus inhibitors
- R01CA-12334-03 Action of aminonucleoside on normal and cancer cells
- R01HL-06950-13 Red cell metabolism (rats, rabbits)
- R01HL-10781-08 Physiology of human heart lung bypass (dogs)
- R01HL-16931-01 Red cell storage and transfusion (rabbits)

PURINE NUCLEOSIDES, PURINE RIBOSIDESSEE ALSO PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES,
ADENOSINESEE ALSO PURINE NUCLEOSIDES, GUANINE NUCLEOSIDES,
GUANOSINESEE ALSO PURINE NUCLEOSIDES, HYPOXANTHINE
NUCLEOSIDES, INOSINESEE ALSO THIOPURINE NUCLEOSIDES, 6-MERCAPTOPYRINE
RIBOSIDES

- ** R01CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
- ** P02CA-13943-02 0001 Clinical pharmacology immunology cancer research center - Synthesis of 5'-substituted purine ribosides
- R01CA-15036-02 A phosphoribosyltransferase from leukemic cells

PURINE NUCLEOTIDES

- ** R01AM-14059-15 Pathways of purine metabolism (human)
- R01AM-15364-04 Nutritional regulation of protein metabolism (rats)
- R01AM-16741-01 Purine metabolism-Erythrocytes of developing chicks
- ** R01AM-17713-01 New cycle for ammonia production in the kidney (dogs, human, rats)
- ** R01CA-03528-17 Nucleic acid studies in cancer chemotherapy (human, rats)
- ** R01CA-07340-11 0001 Coenzymes containing purine and pyrimidine analogs - Polyphosphate nucleotide synthesis and degradation (human)
- R01CA-07340-11 0003 Coenzymes containing purine and pyrimidine analogs - Human enzymes and purine metabolism
- R01CA-11818-04 Adenylate kinase in normal and neoplastic tissues (rats, mice)

(contd)

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PUR**
- RO1CA-14030-02 Regulation of metabolism by purine interconversions (rats, mice)
- RO1CP-23293-03 Synthesis of purine and pyrimidine nucleotides
- RO1DE-01523-13 Metabolic pathways in bone (mice)
- RO1GM-07261-14 Enzymatic, chemical reaction adenosine triphosphate (rats, cattle)
- RO1GM-21034-01 Electrochemistry and interfacial behavior of purines
- RO1GM-21200-01 Affinity labels of nucleotide sites in dehydrogenases (cattle)
- PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES**
- RO1A-11636-01 Normal and virus-infected animal cells
- RO1AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- RO1AM-11748-07 0003 Regulation of metabolic processes - Effects of adenosine on liver metabolism (rats)
- RO1AM-13415-06 Biological transport of ions (dogs)
- RO1AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- RO1AM-15120-04 Control of metabolism in normal and diseased states (rat liver)
- RO1AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
- RO1AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
- RO1AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
- RO1AM-17092-01 Influence of stress on gastric mucosal energy metabolism (rabbits, rats)
- RO1AM-17622-01 Role of liver in erythrocyte nucleotide synthesis (rabbits, human)
- RO1CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and pyrimidine nucleosides
- RO1CA-07340-11 0003 Coenzymes containing purine and pyrimidine analogs - Human enzymes and purine metabolism
- RO1CA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
- RO1CA-13610-02 Control of the adenine nucleotides in ascites tumors
- PO2CA-13943-02 0018 Clinical pharmacology immunology cancer research center - Prediction of clinical toxicity due to chemotherapy (rats, human)
- RO1CA-14993-01 Effect of immunologic factors on metastasis (mice)
- RO1CA-15103-01 The platelet line in myeloproliferative malignancies (human)
- RO1ES-00838-02 Purification and properties of ochratoxin A
- RO1GM-14033-08 Control mechanisms in gluconeogenesis (tetrahymena, rats, ground squirrels)
- PO1GM-18674-03 0006 Diagnostic radiology research and training center - Mediators of renal vasoconstriction (chicks, rat, human)
- RO1GM-19271-01 The amide transferases (bacteria, chicken)
- RO1GM-19837-02 Coordination of intracellular activities (rats)
- RO1GM-20122-02 Structural basis for regulation of ribotide reductase
- RO1GM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norepinephrine synthesis and neurally mediated release (rats, guinea pigs)
- RO1GM-21420-01 Cyclic AMP regulation (human, mammals nonhuman, birds)
- PO1HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- PO1HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- RO1HL-11780-06 Prevention of energy base depletion in cardiac arrest (dogs)
- PO17HL-14217-04 0012 Specialized center of research in thrombosis - Behavior of adenine nucleotides during platelet release reaction
- P17HL-14217-04 0034 Specialized center of research in thrombosis - Platelet release reaction induced by inorganic ions (human)
- P17HL-14217-04 0043 Specialized center of research in thrombosis - Platelet antiheparin activity
- P17HL-14217-04 0045 Specialized center of research in thrombosis - Patients with qualitative platelet defects
- RO1HL-14774-03 Role of cerebral circulation and CNS in shock (dogs)
- RO1HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
- RO1HL-16931-01 Red cell storage and transfusion (rabbits)
- NO1HV-22948-02 Intervention to protect ischemic myocardium and minimize infarct size (mammals)
- PO1NS-07366-07 0008 Head injury clinical center research program - Regional energy metabolism in rats
- PO1NS-07366-07 0011 Head injury clinical center research program - Stable metabolic intermediates in traumatized cat brain (also human)
- RO1NS-07642-08 The storage and release of tissue catecholamines (cattle, dogs, guinea pigs)
- PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP**
- RO1AI-05520-12 Regulation of polysaccharide synthesis (plants, bacteria)
- PO1AM-07462-11 0060 Hormonal regulation of metabolism - Sodium and potassium ion-transport ATPase of guinea pig kidney
- RO1AM-10532-08 Intracellular reactions in contracting muscles (amphibians, barnacles)
- RO1AM-13198-06 Adenylate control of enzyme synthesis and function (bacteria)
- RO1AM-14752-04 Intracellular reactions in gastric mucosa (bullfrogs)
- P17AM-17026-01 0045 Vanderbilt University Diabetes-Endocrinology Center - Prostaglandin synthesis in diabetes (human)
- PO1CA-06927-12 0031 Biological and biochemical program in cancer research - Regulation of intermediary metabolism in neoplastic cells (mice)
- RO1CA-10951-06 Control of enzymatic phosphate transfer in mitochondria (rats)
- RO1CA-12907-03 MAD regulation of neoplastic growth (rats)
- RO1CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)
- NO1CP-45610-00 Studies of mammalian cell transport system
- RO1GM-05919-16 0015 Enzymatic activities of mitochondria - Solubilization and purification of the ADP-ATP carrier (rats)
- RO1GM-18938-03 Determination of enzyme mechanisms by kinetic studies
- RO1GM-19807-02 0014 Membrane permeability as a regulatory element - Kinetics and basics of mitochondrial conditioning (plants)
- RO1GM-19807-02 0016 Membrane permeability as a regulatory element - Need for ADP in the implementation of uncoupler action (plants)
- RO1HD-04592-06 Biochemistry of the male genital tract (rodents)
- RO1HL-03973-16 New technique for in vitro production of thrombi (human, dogs, rats)
- PO1HL-06336-14 0026 Cardiovascular program project - Coagulation studies in acute myocardial infarction (human)
- RO1HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- RO1HL-09070-10 Subcellular platelet particles (human)
- RO1HL-09203-10 Pathogenesis of pulmonary thromboembolic disease (human, rabbits, cats)
- RO1HL-10002-09 Structure and function of thrombocytes (birds, fish, crabs)
- PO1HL-10342-09 0013 Cardiovascular, pulmonary, and behavioral studies - Hypercapnia, serum phosphorus, and muscle performance (dogs, rats)
- RO1HL-11802-07 Cardiovascular surgical research (dogs)
- RO1HL-12443-03 Amino acid and protein metabolism in human platelets
- P17HL-14177-04 0014 Center for prevention and treatment of atherosclerosis - Sudden death (swine)
- P17HL-14217-04 0011 Specialized center of research in thrombosis - Radioactive serotonin uptake to cold serotonin in platelets
- P17HL-14217-04 0012 Specialized center of research in thrombosis - Behavior of adenine nucleotides during platelet release reaction
- P17HL-14217-04 0013 Specialized center of research in thrombosis - Relationship of inhibition of platelet function and metabolically active ATP
- P17HL-14217-04 0014 Specialized center of research in thrombosis - The mechanism of platelet aggregation
- P17HL-14217-04 0023 Specialized center of research in thrombosis - Peptides produced by plasmin digestion of fibrinogen
- P17HL-14217-04 0042 Specialized center of research in thrombosis - Interaction of cells with polymerizing fibrin (human, rabbits, swine)
- P17HL-14217-04 0043 Specialized center of research in thrombosis - Platelet antiheparin activity
- P17HL-14230-04 0039 Lipids, atherosclerosis and thrombosis - Platelet function and inhibition of platelet function (human, rats)
- RO1HL-14344-03 Platelet function and adenine nucleotide metabolism (human)
- RO1HL-14346-03 Platelet contractility and clot retraction (human)
- RO1HL-14697-03 Role of platelet membranes in hemostasis (human)
- PO1HL-14810-03 0001 Cornell thrombosis research center - Biochemical characterization of the human platelet membrane
- RO1HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- RO1HL-15793-02 Molecular aspects of erythrocyte membrane resealing (animals)
- RO1HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
- PO1NS-05820-09 0001 Research center for cerebral vascular diseases - Brain energy and acid based parameters (rats)
- PO1NS-05820-09 0002 Research center for cerebral vascular diseases - Hyperventilation on recovery from circulatory arrest (rats)
- PO1NS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)
- PO1NS-06663-08 0003 Cerebrovascular clinical research center - Experimental platelet thrombi formation and prevention (rats, cats, monkeys)
- PO1NS-06833-08 0009 Interdisciplinary stroke program - Metabolism in sickle cell anemia (human)
- RO1NS-10546-08 Brain and tumor phosphotransferases (cattle, mice)
- RO1NS-11619-01 Respiratory energy metabolism in brain explants (rats)
- RO1NS-11773-01 Regulation of glycolysis in brain (rats)
- MO1RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)
- PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP**
- SEE ALSO AMINO ACYL NUCLEOTIDES, AMINO ACYL ADENYLATES
- RO1AI-03998-12 0002 Cellular regulatory mechanisms at the molecular level - Mechanism of allosteric interactions (bacteria, rabbit)
- RO1AI-11636-01 Normal and virus-infected animal cells
- RO1AM-09308-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
- RO1AM-13198-06 Adenylate control of enzyme synthesis and function (bacteria)
- RO1AM-14918-04 Connective tissue response to immobility (human, rabbits, dogs)
- PO1AM-15512-03 0011 University of Wisconsin program project in nephrology - Renal metabolism in health and disease (dogs, human, rats)
- PO1AM-15671-04 0025 The biology of skeletal and other connective tissues - Microtubules and calcium transport (rats)
- RO1AM-16688-02 Conformational transitions of allosteric enzymes
- RO1AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- RO1AM-17262-01 Measurement of ligand binding to associating enzymes (bacteria)
- RO1CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)
- PO1CA-06927-12 0031 Biological and biochemical program in cancer research - Regulation of intermediary metabolism in neoplastic cells (mice)
- PO1CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
- RO1CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- RO1CA-11624-05 RNA metabolism in development and hormonal regulation (soybean, pea)
- RO1CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- RO1CA-14030-02 Regulation of metabolism by purine interconversions (rats, mice)
- PO1CA-14195-01 0004 Core grant-Regulation, the cell membrane and cancer - Function of viral and cellular genes (tissue culture)
- R26CA-14906-02 Enzymes of normal and malignant intestinal mucosa (rats, human)
- NO1CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
- P13DE-02731-08 0004 Development support for dental research institute - Dental pharmacology (human, rats, mice)
- RO1EY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- RO1GM-09587-13 Enzyme structure and action on macromolecules (E. coli, rabbits, lobsters)
- PO1GM-10403-12 0001 Biophysical studies on viral structure and function - Polymerization of TMV protein
- P11GM-15477-08 0071 Drug metabolism and biochemical pharmacology - Morphine and cerebral glycolytic intermediates (rats)
- RO1GM-18938-03 Determination of enzyme mechanisms by kinetic studies
- RO1GM-19548-03 Regulation of nuclear-cytoplasmic solute transport (salamanders)
- RO1HD-01269-12 Control of metabolism in tetrahymena
- RO1HD-08129-01 Endocrine function of transplanted uterus and ovary (sheep)
- RO1HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
- P17HL-14177-04 0014 Center for prevention and treatment of atherosclerosis - Sudden death (swine)
- RO1HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- PO1NS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)
- RO1NS-11773-01 Regulation of glycolysis in brain (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

- RO1AA-00188-03 Ethanol-induced changes in brain mitochondria (rats)
- ** RO1AA-00189-03 Role of cyclic AMP in ethanol action (rats)
- ** RO1AA-00194-03 0003 Effects of alcohol on gastric mucosa - Enzymatic processes (dogs, rabbits)
- RO1AA-00202-03 Effect of ethanol on jejunal function (human)
- RO1AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
- RO1AA-00322-01 Ethanol-intracellular effects on in vitro (CNS) (mice)
- ** RO1AA-00498-03 0011 Clinical studies of alcohol use and abuse - Biogenic amines and alcohol (human, mice)
- RO1AI-03998-12 0004 Cellular regulatory mechanisms at the molecular level - Specific bacterial receptor sites in regulation of enzyme synthesis (E coli)
- RO1AI-04214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)
- RO1AI-05006-11 Nitrogen metabolism in gastropod molluscs
- PO1AI-07007-09 0004 Immunopathologic studies - Induction of immunity, immunological unresponsiveness and autoimmunity
- PO1AI-07007-09 0005 Immunopathologic studies - Immunopathologic activation of neutrophils and platelets (rabbits, human)
- RO1AI-07194-09 Structure and genetic control of colicines (bacteria)
- R22AI-07625-08 Mechanisms of enterotoxin-induced diarrheal disease (E coli, V cholerae, dogs)
- R22AI-08209-07 Cellular responses to cholera toxin (rats, bacteria, protozoa)
- RO1AI-08362-07 Approaches to R factor origin and expression (human, bacteria)
- PO1AI-08724-18 0010 Biology of streptococci - Group B streptococci (mice)
- RO1AI-09288-05 Subcellular components of bacterial and animal cells (mice)
- RO1AI-10023-04 Effect of poly I:C on delayed hypersensitivity (human, guinea pigs)
- RO1AI-10106-04 Mode of action of L-colicins on *Escherichia coli*
- RO1AI-10241-04 Encystment in free-living, invasive amoebas
- P15AI-10400-04 Clinical and biochemical correlations in asthma (children)
- ** P15AI-10405-04 Asthma clinical center (human, rats, rabbits)
- RO1AI-10689-03 0001 Resistance to infections in the neonate - Cellular mechanisms in chemotaxis and phagocytosis (human)
- ** RO1AI-11006-02 Cyclic AMP and immune response (mice, guinea pigs)
- P15AI-11010-02 Allergic diseases center (human, mammals)
- RO1AI-11194-01 Mechanism and action of macrophage (MΦ) (guinea pigs)
- ** RO1AI-11334-02 Pharmacologic control of hypersensitivity phenomena (human, monkeys, mice)
- R22AI-11365-02 Cholera-like toxigenic coliform diarrhea in children
- RO1AI-11919-01 Role of microtubules in hypersensitivity reactions (mice, rats)
- P15AI-12029-01 0002 Allergic diseases center grant - Mechanisms in asthma - Comparison of bronchial sensitivity to mediators (human, rodents)
- P15AI-12029-01 0004 Allergic diseases center grant - Mechanisms in asthma - Beta adrenergic blockade and reaginic antibody production
- RO1AI-12046-01 Effect of adrenergic drugs on antibody formation (mice)
- RO1AI-12148-01 Platelet function in asthma (human)
- PO1AI-12225-01 0004 Immunopathology and clinical immunology - Regulation of enzyme release from human leukocytes
- ** PO1AI-12450-01 0001 Cyclic nucleotides in immunity - Lymphocyte activation (human, rats, mice)
- ** PO1AI-12450-01 0002 Cyclic nucleotides in immunity - Histamine release (rats)
- ** PO1AI-12450-01 0003 Cyclic nucleotides in immunity - Phagocytosis (guinea pigs, human)
- ** PO1AI-12450-01 0004 Cyclic nucleotides in immunity - Chemotaxis (human)
- RO1AM-01324-18 Hormones and intermediary metabolism (human, animals)
- RO1AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
- RO1AM-01677-17 Regulatory mechanisms in lipid metabolism (rats, human)
- RO1AM-02133-17 0037 Clinical studies of ulcerative colitis - Biological properties of intestinal epithelial cells
- RO1AM-03014-16 Metabolic studies of intestinal mucosa
- RO1AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- PO1AM-03564-15 0033 Mesenchymal tissues and their diseases - Collagen degradation - Animal collagenases

- RO1AM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
- RO1AM-03858-14 Control of water and solute movement across cell
- ** RO1AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)
- RO1AM-04899-14 Action of adrenocorticotropin (rats)
- ** RO1AM-05384-13 Some metabolic pathways (pseudomonas, goldfish)
- RO1AM-05410-13 Adaptation of membrane-associated functions (rats, chickens)
- RO1AM-05507-13 Gene action, enzyme, nucleotide, carbohydrate patterns (bacteria, yeast)
- RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- RO1AM-06034-13 Aspects of pancreatic physiology (human, mice, dogs)
- ** RO1AM-06439-12 Metabolism and endocrine function in the thyroid (rats)
- PO1AM-06704-12 0002 Neural and humoral control of endocrine function - Regulation of resin secretion (dogs)
- RO1AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
- PO1AM-07462-11 0048 Hormonal regulation of metabolism - Carbohydrate and cyclic AMP metabolism in diabetic rats
- PO1AM-07462-11 0049 Hormonal regulation of metabolism - Mechanisms of action of catecholamines in liver
- PO1AM-07462-11 0050 Hormonal regulation of metabolism - Insulin and the adenylate cyclase-phosphodiesterase system of fat cells
- PO1AM-07462-11 0052 Hormonal regulation of metabolism - Hormonal regulation of cyclic AMP-dependent protein kinase
- ** PO1AM-07462-11 0054 Hormonal regulation of metabolism - Cyclic AMP in *HaLa* cells
- ** PO1AM-07462-11 0055 Hormonal regulation of metabolism - Cyclic AMP in adipocytes (mammals, human)
- PO1AM-07462-11 0064 Hormonal regulation of metabolism - Cyclic nucleotide phospho-diesterase activity in pig coronary arteries
- PO1AM-07462-11 0065 Hormonal regulation of metabolism - Importance of calcium for control of cyclic GMP levels
- PO1AM-07462-11 0066 Hormonal regulation of metabolism - Vasoactive agents and cyclic nucleotide levels in pig coronary arteries
- RO1AM-07646-11 Hepatic-splanchnic interrelationships (dogs, rats)
- RO1AM-07672-11 Metabolic changes during early lactation (rats, cattle)
- RO1AM-07867-11 Hormonal regulation of cellular calcium metabolism (human, rats)
- ** RO1AM-08076-11 Action of insulin on enzymes of adipose tissue (rats, cattle)
- ** PO1AM-08445-10 0020 Biology of skin of man and other primates - Hormone effects on melanoma cells (mice)
- PO1AM-08458-10 0002 Uremia and exchange of ions and water - Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs)
- RO1AM-08546-10 Ketogenesis in the ruminant (cattle, goats)
- RO1AM-08949-10 Diabetes mellitus in *Psammomys obesus* (rats, guinea pigs, rabbits, hamsters)
- ** PO1AM-09001-10 0050 Biochemistry and immunology of blood diseases - Role of c-AMP on mammalian RNA synthesis (rats)
- RO1AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
- RO1AM-09235-10 Inborn errors of carbohydrate metabolism (human, mice)
- RO1AM-09260-09 Vagal control of gastric secretion (human, chickens, dogs, amphibians)
- ** PO1AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- ** PO1AM-09650-10 0003 Hormonal and ionic control of metabolism - Metabolic control in isolated thymocytes
- ** PO1AM-09650-10 0004 Hormonal and ionic control of metabolism - Roles of calcium and cyclic AMP in slime mold aggregation
- ** PO1AM-09650-10 0005 Hormonal and ionic control of metabolism - Electrical and secretory events in fly salivary gland
- PO1AM-09650-10 0006 Hormonal and ionic control of metabolism - Cellular calcium concentration measurements (Spirostomum)
- PO1AM-09650-10 0007 Hormonal and ionic control of metabolism - Effect of MSH upon melanin granule migration
- ** PO1AM-09650-10 0008 Hormonal and ionic control of metabolism - Action mechanism of parathyroid hormones (rats)
- RO1AM-09851-09 Biochemistry of complex carbohydrates (bacteria, chick embryo, fungi)
- RO1AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
- RO1AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- RO1AM-10080-09 Mechanism of action of peptide hormones (rats, toads)

- ** RO1AM-10141-09 Mechanism of H and Cl transport of gastric mucosa (swine, frogs)
- RO1AM-10149-09 Hormonal control of lipid metabolism (rats)
- RO1AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
- RO1AM-10334-09 Control processes in mammalian cells (rats, cattle, human)
- ** RO1AM-10451-09 Enzyme secretion and its metabolic control (rats)
- ** RO1AM-10558-09 0010 Peptide hormones affecting calcium metabolism - Thyrocalcitonin and cyclic AMP
- RO1AM-10558-09 0026 Peptide hormones affecting calcium metabolism - Beta-adrenergic drugs and mechanisms of gastrin and TC secretion
- RO1AM-10591-09 Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs)
- RO1AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- RO1AM-10913-08 Factors affecting renal physiology in the newborn (dogs, rats, rabbits, monkeys)
- RO1AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
- RO1AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
- RO1AM-11265-06 Adipose tissue regulation of fat metabolism (human, mammals, nonhuman)
- RO1AM-11279-08 Aspects of the control of lipogenesis (rats, guinea pigs, human)
- RO1AM-11448-08 Cellular regulation of enzyme activity (rabbits, mice)
- ** RO1AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
- RO1AM-11674-08 0003 Bone metabolism in chronic disorders - Studies with glucagon (dogs)
- RO1AM-11949-07 Mechanisms of arthritis (human, rabbits)
- RO1AM-12024-07 Essential fatty acid intake and fatty acid synthesis (rats)
- RO1AM-12129-07 0003 Collagenases and collagen remodeling - Regulation of collagenase (rats)
- RO1AM-12402-07 Regulation of enzymes in mevalonate synthesis (yeasts, human, rats)
- RO1AM-12484-06 Intestinal resection and mucosal carbohydrate metabolism (human, rats)
- RO1AM-12606-11 Biochemical aspects of electrolyte transport (rats, rabbits, frogs, toads)
- RO1AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
- RO1AM-12722-06 Characterization of human isomylases (also animals)
- RO1AM-12782-07 Anabolic actions of adenylophosphorylase hormones (rats)
- ** RO1AM-12842-06 Regulatory enzymes of glycogen metabolism (rabbits, rats)
- RO1AM-13131-07 Control of pancreatic protein synthesis and secretion (pigeons, rats)
- RO1AM-13143-06 Regulation of hemoglobin synthesis (human, guinea pigs)
- RO1AM-13149-07 Hormonal regulation of control mechanisms (rats, chick)
- ** RO1AM-13198-06 Adenylate control of enzyme synthesis and function (bacteria)
- RO1AM-13211-06 Kidney control of erythropoietin production (human, animals)
- RO1AM-13212-06 Pyrophosphatase mechanism-Affinity labels (yeast, E coli, rabbits, human)
- RO1AM-13324-06 Nutritional-hormonal control of G-6-P04 dehydrogenase (rats)
- RO1AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
- RO1AM-13476-05 Mechanisms of transport in isolated kidney tubules (human, rabbits)
- RO1AM-13531-05 Metabolism of cortisol in liver (rats)
- ** RO1AM-13613-06 Hormonally-mediated hepatic protein phosphorylation (also heart)
- RO1AM-13696-06 0007 Hormones and calcium absorption - Duodenal calcium transport
- ** RO1AM-13696-06 0010 Hormones and calcium absorption - Kidney cyclic AMP levels in regulating 1,25-dihydroxycholecalciferol
- ** RO1AM-13724-05 Conversion of cholesterol to pregnenolone (cattle)
- RO1AM-13776-04 Anterior pituitary hormone biosynthesis (rats, sheep)
- RO1AM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)
- ** RO1AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
- RO1AM-13929-04 Normal and psoriatic epidermal cell division (human, rats)
- RO1AM-14038-05 Intestinal protein metabolism and function (human, rats)
- RO1AM-14070-04 Role of adrenocorticoids in lipolysis (rats, human)
- RO1AM-14132-05 Adrenocortical function and membrane potential (rats, rabbits)
- RO1AM-14225-04 Hydrogen ion regulation by the mammalian nephron (human, dogs)
- ** RO1AM-14334-06 Chemical mechanism of action of insulin (human, rats, rabbits)

(contd)

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**Omitted significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-14340-05 Experimental diabetes (rats)
 ** R01AM-14347-06 Control of gluconeogenesis by adrenal hormones (rats)
 R01AM-14401-04 Metabolism and function of the perfused rat kidney
 ** R01AM-14415-03 Intracellular function of cyclic 3,5 AMP (bovine tissues)
 R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
 R01AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
 R01AM-14663-04 Inducible enzymes and sugar transport in *Arthrobacter*
 R01AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
 R01AM-14723-04 Regulation of renal glycogen synthase system (rabbits, cattle, rats)
 R01AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
 R01AM-15016-04 Macromolecular reversible inhibitor of adenylyl cyclase (frogs, rabbits)
 R01AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
 R01AM-15263-03 Effector systems for insulin action on fat cells (rats, human)
 R01AM-15297-03 Pathways of carbon and hydrogen in gluconeogenesis (rats)
 ** R01AM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
 R01AM-15346-03 Development of mineralized tissues (rats)
 R01AM-15350-03 Mechanisms of intestinal secretion (rats, rabbits, guinea pigs)
 R01AM-15355-04 Synthesis and function of calcium binding protein (chick embryo)
 R01AM-15466-02 Role of microtubules and calcium in FFA mobilization (rats)
 R01AM-15534-02 Prostaglandin and calcium interactions on sodium transport (anurans)
 R01AM-15555-03 Erythropoietin and the regulation of erythropoiesis (human, mice)
 ** R01AM-15611-03 Biochemical role of cyclic AMP in gastric mucosa (rabbits, dogs)
 R01AM-15622-03 Neurohypophysial hormone secretion in tissue culture (rat, chick embryo, anurans)
 R01AM-15671-04 0007 The biology of skeletal and other connective tissues - Synthesis of phosphorylated polypeptides of enamel (rats)
 R01AM-15740-03 Cell division control in normal and psoriatic skin
 ** R01AM-15788-03 Mechanism of action of antihypertensive drugs (rats)
 R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
 R01AM-15851-03 Liver plasma membrane protein turnover in cholestasis (rats)
 R01AM-15919-02 Starvation and regulation of protein degradation (rats)
 R01AM-15926-02 Ion transport by gastrointestinal epithelia (rabbits, human)
 ** R01AM-15977-03 Relationship between gastric secretion and blood flow (dogs)
 R01AM-15986-03 0005 Cirrhosis, ascites and the hepatic circulation - Gastric back diffusion (dogs, frogs)
 R01AM-15986-03 0008 Cirrhosis, ascites and the hepatic circulation - Calcium ion regulation of secretory activity of GI endocrine cells (frog)
 ** R01AM-15988-03 Regulation of adipose tissue metabolism (rats)
 R01AM-16009-03 Regulation of gluconeogenesis in liver (guinea pigs, rats)
 R01AM-16060-03 Chemical, temperature, and wound induced epidermal mitosis (human, mice)
 R01AM-16105-03 Cellular action of antidiuretic hormone in the kidney (rats, dogs)
 R01AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
 ** R01AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
 ** R01AM-16213-03 Anti-collagen antibodies, Mm factors, and cAMP in RA
 R01AM-16275-02 Ion transport by mammalian small intestine (rabbits)
 R01AM-16281-02 0007 Uremia-pathogenesis, effects, and possible prevention - Natriuretic factor in uremic serum (rabbits, frogs, rats, dogs)
 R01AM-16281-02 0010 Uremia-pathogenesis, effects, and possible prevention - Sensitivity of phosphorus control in advancing renal disease (rats, dogs)
 R01AM-16327-02 Microtubules and filaments in action of vasopressin (frogs)
 ** R01AM-16497-02 0005 Normal and disordered thyroid hormone economy - Cyclic nucleotide metabolism during thyroidal autoregulation (rats)
 R01AM-16507-02 Dietary effects on carbohydrate metabolism (rats)
 R01AM-16539-02 Regulation of phosphate transport in toad bladder
 R01AM-16636-02 Metabolic effects of thyroid hormones in cell culture (cattle, rats)
- P01AM-16716-01 0015 Pathophysiological bases of muscle diseases - Role of protein phosphorylation in normal and myopathic muscle (human, animals)
 ** P01AM-16716-01 0017 Pathophysiological bases of muscle diseases - Cyclic AMP dependent regulation of skeletal muscle (rabbits)
 P01AM-16716-01 0019 Pathophysiological bases of muscle diseases - Protein synthesis in experimental ventricular hypertrophy (guinea pig, cat, dog)
 ** R01AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
 ** R01AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)
 R01AM-16793-01 Regulation of metabolism
 R01AM-16826-01 Mechanisms of polypeptide hormone action
 R01AM-16829-02 Regulation of steroid formation
 R01AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)
 R01AM-16926-02 Parathyroid hormone and 3',5'-AMP in calcium metabolism
 ** R01AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)
 M R01AM-16979-01 Hepatic regeneration
 R01AM-16979-01 0002 Hepatic regeneration - Role of cyclic AMP in intracellular regulation of hepatic regeneration (rats)
 P17AM-17026-01 0004 Vanderbilt University Diabetes-Endocrinology Center - Effects of insulin on protein kinase in adipose tissue
 P17AM-17026-01 0015 Vanderbilt University Diabetes-Endocrinology Center - Regulatory mechanisms in lipid metabolism (rats)
 P17AM-17026-01 0016 Vanderbilt University Diabetes-Endocrinology Center - Hormone antagonist formed during hormone action (dogs, rats, hamsters, human)
 P17AM-17026-01 0017 Vanderbilt University Diabetes-Endocrinology Center - Characterization of the insulin receptor of fat cells
 P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
 ** P17AM-17026-01 0024 Vanderbilt University Diabetes-Endocrinology Center - Control by insulin of cyclic AMP metabolism in rat liver (rats)
 P17AM-17026-01 0030 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic GMP
 ** P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
 ** P17AM-17026-01 0034 Vanderbilt University Diabetes-Endocrinology Center - Insulin suppression of glucagon-induced hepatic cyclic AMP release (rats, human)
 P17AM-17026-01 0038 Vanderbilt University Diabetes-Endocrinology Center - Regulation of skeletal muscle glycogen synthetase kinase and phosphatase
 P17AM-17026-01 0041 Vanderbilt University Diabetes-Endocrinology Center - Role of insulin in growth of human cells in culture
 P17AM-17026-01 0044 Vanderbilt University Diabetes-Endocrinology Center - Action of insulin on heart cyclic AMP-dependent protein
 R01AM-17030-01 Cholesterol esterase regulation of steroidogenesis (rats, cattle)
 P17AM-17042-01 0002 Diabetes endocrinology research center - Biochemical basis of vascular lesions in diabetes (mammals)
 P17AM-17042-01 0003 Diabetes endocrinology research center - Sulfonylurea hypoglycemic agents action and tolerance
 P17AM-17042-01 0007 Diabetes endocrinology research center - Hormonal control of protein kinase phosphorylation (rabbits)
 P17AM-17042-01 0009 Diabetes endocrinology research center - Insulin effects on the cyclic nucleotide inhibitor and cyclic GMP
 ** R01AM-17179-01 Cyclic AMP in psoriasis
 R01AM-17234-01 Effects of lithium on renal function (human, rats)
 R01AM-17236-01 Quantitative studies of metabolic dynamics (dogs)
 R01AM-17260-06 Hepatotrophic factors in splanchnic venous blood (dogs)
 ** R01AM-17299-02 0005 Induction and suppression of urea cycle enzymes - Dibutyl-cyclic-amp in rats
 R01AM-17309-01 Biological effects of lysosomal enzyme release (human)
 ** R01AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
 P01AM-17433-01 0008 Cardiovascular, metabolic aspects of membrane transport - Effects of lithium on renal function (rats, human)
 P01AM-17433-01 0010 Cardiovascular, metabolic aspects of membrane transport - Ion transport in intestine (rabbits, guinea pigs)
 ** R01AM-17438-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)
 R01AM-17496-01 Role of hormones in stress
 R01AM-17538-10 Mucopolysaccharide metabolism in exophthalmos (human)
- R01AM-17561-02 Circulating inhibitor of LATS (human, rabbits, mice, dogs)
 ** R01AM-17568-01 Epithelial organization of urinary acidification (turtles)
 R01AM-17591-01 Mucosal resistance as a factor in gastric diseases (dogs, monkeys)
 R01AM-17664-01 Hormonal regulation of gluconeogenesis (rat liver)
 R01AM-17692-01 Control of enzyme release from human neutrophils
 R01AM-17741-01 Effect of antimicrotubular agents on secretion (rats)
 R01AM-17772-01 Quantitative histochemistry of gastric acid secretion (rats)
 R01AM-17779-01 Degradative mechanisms of collagen in health and disease (amphibian, human)
 ** R01AM-17855-01 Mechanism of cyclic AMP effect on renal transport
 R01AM-18066-01 Action of calcium on secretion (cats, rabbits)
 R01AM-18092-01 Action of insulin on enzymes of adipose tissue (rats)
 R01AM-18104-01 Insulin mode of action in toad skins
 ** R01CA-02790-19 Biosynthesis of perines (bacteria)
 R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
 R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
 R01CA-04679-15 0001 Biology of normal and malignant melanocytes - Melanocytes (frogs)
 R01CA-04823-15 Nucleic acid synthesis (rabbits, rats, HeLa cells)
 ** R01CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
 ** R01CA-05671-14 0011 Glucocorticoid receptors in normal and malignant tissue - Cyclic AMP (rats)
 P01CA-07175-11 0013 Cancer research at the McArdle laboratory - Theory of carcinogenesis (rats)
 R01CA-07339-10 Cytochemical substrates and anti-cancer agents (human, rats)
 ** P02CA-08400-09 0004 Childhood cancer research center - Cyclic AMP in normal and cancer tissues (rats)
 R01CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
 R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
 R01CA-10064-12 Hormonally sensitive tumors (mice, rats)
 R01CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
 R01CA-10419-06 Different responses of cells to glucocorticoids (rats, mice, human)
 R01CA-10619-06 Synchronized cells - Controls in growth and division (hamsters)
 R01CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
 ** P01CA-10748-07 0004 Cancer chemotherapy program - GAMP in neural tumors (tissue culture)
 R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
 P02CA-11067-05 0009 Clinical cancer research center - Normal growth regulating mechanisms (mice)
 R01CA-11305-06 Leukemia and humoral regulators of WBC production (human)
 R01CA-11389-05 Potential drugs related to araC
 R01CA-11595-14 Regulation of cellular syntheses and activities (bacteria, animal cells)
 R10CA-11816-14 Leukemia center platelet program
 ** P01CA-12174-04 0002 Growth and cell control processes - Purine scavenger pathways in mammalian cells
 ** R01CA-12191-05 Hormones and control mechanisms in cultured mammalian cells (rats)
 P02CA-12247-03 0021 Pediatric oncology center - Platelet biochemistry (dogs, human)
 P02CA-12247-03 0033 Pediatric oncology center - Growth regulation of neuroblastoma cells (human, mice)
 R01CA-12370-04 Cellular function in cancer and viral transformation (mice)
 ** R01CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
 R01CA-12467-04 Early cell-surface changes in oncogenesis (chick embryo, viruses)
 ** P01CA-12536-04 0010 Effects of small doses of ionizing radiation - Relationship of intracellular cyclic AMP and radiosensitivity (rat, hamster)
 ** R01CA-12563-04 Mechanisms of enzyme induction by cyclic nucleotides (rats)
 P01CA-12708-03 0001 Studies of normal and malignant growth - Phosphorylation of human erythrocyte membrane proteins
 R01CA-12753-03 Cell surfaces and transformation
 R01CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)
 P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
 R01CA-13112-03 Virus alterations of the immune response (mice, guinea pigs)
 ** R01CA-13176-03 Adenylyl cyclase in malignant cells (mammals, human)
 R01CA-13196-03 Group transfer processes in normal and malignant cells (rats)

(cont'd)

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**Oriented significantly to above subject.

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- ** P01CA-13330-03 0029** Cancer research program - Cyclic AMP in normal and malignant cells (rabbits, monkeys, human)
P01CA-13330-03 0032 Cancer research program - Cyclic AMP and protein kinase (hamsters, cattle, bacteria)
P01CA-13330-03 0051 Cancer research program - Adaptation of a hamster insulinoma to tissue culture
P01CA-13330-03 0056 Cancer research program - Cell growth and morphogenesis (fungi)
R01CA-13401-03 5-BuDR effects on polyoma and SV40 transformed cells (mice)
R01CA-13418-03 Endocrine factors in normal and leukemic leukocytes (human)
R01CA-13444-03 Regulation of adenyl cyclase (neoplastic cells)
**** P01CA-13526-03 0001** Correlated study of metabolic regulation in neoplasia - Correlated study metabolic regulation in neoplasia
**** P01CA-13526-03 0002** Correlated study of metabolic regulation in neoplasia - Role of cyclic AMP in regulation of metabolism in neoplastic tissues
**** P01CA-13526-03 0003** Correlated study of metabolic regulation in neoplasia - Phosphodiesterase activity in cyclic AMP homeostasis (rats)
P01CA-13526-03 0008 Correlated study of metabolic regulation in neoplasia - Control mechanisms of protein biosynthesis (rats)
**** R01CA-13537-03** Cyclic AMP system in normal and neoplastic cells (3T3 cells, cattle)
R01CA-13625-03 0001 Myeloma tumors in cell culture - Loss of oncogenicity (mice)
**** R01CA-13638-03** Cyclic nucleotides in HeLa cell growth
R01CA-13808-02 Transformation and recovery of crown gall tumor cells
**** P02CA-13943-02 0026** Clinical pharmacology immunology cancer research center - Regulation of immune response by cyclic AMP and analogs
P02CA-13943-02 0051 Clinical pharmacology immunology cancer research center - Endocrinology-Endocrine function in cancer patients
**** P02CA-13943-02 0052** Clinical pharmacology immunology cancer research center - Endocrinology cyclic AMP
R01CA-13968-02 Electrosteroid properties of cyclic carcinostats
P01CA-14051-02 0002 Center for cancer biology at MIT - Cellular biology of cancer (animals)
P01CA-14193-02 0012 Comparative leukemia studies unit - Bovine lymphocytic cyclic AMP-dependent protein kinase
R01CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
R01CA-14525-02 Biochemistry of normal and leukemic lymphocytes (human)
R01CA-14638-02 An adrenal tumor-Cytochrome P.450 and steroidogenesis (mice)
R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
R01CA-15087-01 Growth control of SV40 virus transformed 3T3 cells
R01CA-15093-01 Brain tumor chemotherapy screening model (human, rats)
R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
**** R01CA-15155-01** Cyclic AMP-Role in adrenal tumor steroidogenesis (rats)
R01CA-15196-01 Regulation of fatty acid biosynthesis in mammary tumors (rats)
R01CA-15332-01 Cancer of the endocrine pancreas (human)
R01CA-15683-01 Phosphoproteins and phosphorylating enzymes in neoplasia (human, cell lines)
**** R01CA-15687-01** cAMP analogs as growth regulators in hepatoma cells
P02CA-15688-01 0002 Program in medical oncology - Control of normal hematopoiesis (human, laboratory animals)
R01CA-15883-01 Agents inhibiting phosphodiesterases of cancer cells (mice, human)
R01CA-15889-01 Cell surface changes in viral oncogenesis (mice)
P01CA-16228-01 0006 Cell membrane in proliferation and oncogenesis - Transport systems and regulation of growth (mice, rats)
**** P01CA-16228-01 0008** Cell membrane in proliferation and oncogenesis - Cyclic nucleotides and cell proliferation (rodents, rabbits)
P01CA-16228-01 0009 Cell membrane in proliferation and oncogenesis - Cell junction formation and role in cell proliferation (rats)
R01CA-16231-01 Role of proteolysis in malignant growth (human, rodents, viruses)
**** R01CA-16279-01** Cyclic AMP levels in tumor cells (mice)
P01CA-16359-01 0026 Cancer center support grant - Mechanisms of lymphocyte stimulation
R01CA-17038-01 Postnatal determination of the submandibular gland (rats)
R01CA-17050-01 Glycoprotein agglutinins of normal and transformed cells (mice)
N01CB-33909-01 Roles of 3',5'-cyclic AMP and enzyme systems in mammary gland neoplasia (mice)
**** N01CB-33919-02** Role of prostaglandins in mammary gland neoplasia (mice)
N01CB-43932-00 Mechanisms for cell-mediated destruction of tumor cells
R01CP-33332-01 Hormonal control of gene expression (mammals nonhuman)
**** P01BA-00257-03 0002** Center for behavioral studies in addictions - Biobehavioral studies of addictive disorders in experimental animals
R01DA-00322-01 Physical dependence on barbiturates (mice)
P01DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
**** P01DE-02848-06 0018** Biology of connective tissue, bones and teeth - Relationship of cyclic AMP to embryogenesis of salivary gland function (rats)
R01DE-02863-07 Differentiation of embryonic tooth rudiments in vitro (mice)
P01DE-02872-05 0030 Craniofacial anomalies - Atopic dermatitis (human)
R01DE-02879-05 Ion transport in salivary glands (cats)
R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
R01DE-03018-05 Molecular aspects of taste (mammals)
R01DE-03565-01 Oral carcinogenic actions of betel nut and tobacco
R01DE-03619-02 Biochemical aspects of tooth eruption and movement (cats)
P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
**** R01ES-00412-06 0018** Mechanisms of insecticide resistance - Cyclic nucleotides in toxic action of and in resistance to insecticides (fish)
R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
R01EY-00010-11 Effect of blood and pressure on cultured ocular tissue (human, animals)
R01EY-00236-12 Visual coupling reactions (Limulus)
R01EY-00237-13 Physiologic studies of intraocular pressure (rabbits)
R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
R01EY-00395-06 Maturation of metabolism in normal and dystrophic retina (mice)
R01EY-00764-03 Transduction and neural mechanisms in the retina (horseshoe crabs)
P01EY-00785-03 0001 Vision research center - Transduction mechanisms and visual processes (Limulus)
**** R01EY-00873-01** Role of cyclic AMP in lens maturation and disease (human, calves and rats)
R01EY-00943-03 The role of calcium in visual excitation (cattle)
**** R01EY-00945-03** Biochemical regulation in ocular tissues (rabbits)
R01EY-01171-02 Cyclic nucleotide function in retinal photoreceptors (cattle, rats)
R01EY-01340-01 Corneal electrophysiology (frogs, rabbits)
R01GM-02907-23 ACTH and related peptides (rats, rabbits)
P01GM-06965-15 0077 Basic experimental biology - Cell attachment to substrate and cellular motility
**** P01GM-09069-12 0013** Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
**** P01GM-09069-12 0062** Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
P01GM-09069-12 0075 Research in anesthesiology - Distribution of cardiac output during anesthesia and induced hypertension (dogs)
**** P01GM-09069-12 0100** Research in anesthesiology - Acetylsalicylic acid and cyclic-AMP
P01GM-09069-12 0101 Research in anesthesiology - Acetylsalicylic acid and cyclic AMP system in intestinal mucosa (cats)
P01GM-09069-12 0121 Research in anesthesiology - Anesthetics and smooth muscle function
P01GM-09069-12 0122 Research in anesthesiology - Nitroprusside and cyclic AMP systems
R01GM-10138-12 Interactions regulating differentiation in cellular slime molds
**** R01GM-10828-20** Structure of biologically important compounds
P01GM-11301-12 0002 Structure, function and biosynthesis of macromolecules - Control mechanism in synthesis of macromolecules (Blastocystis, phage)
P01GM-11301-12 0006 Structure, function and biosynthesis of macromolecules - Control of gene expression during prokaryotic developmental processes (bacteria)
P01GM-11301-12 0008 Structure, function and biosynthesis of macromolecules - Control of gene expression and metabolic pathways (chick embryo)
R01GM-11899-11 Control mechanisms in enzyme biosynthesis (bacteria)
R01GM-13344-09 Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue)
**** R01GM-13972-08** Polypeptide biosynthesis-Metabolic regulation (bacteria, rabbits, yeast)
R01GM-14033-08 Control mechanisms in gluconeogenesis (tetrahymena, rats, ground squirrels)
**** P01GM-15423-07 0012** Molecular basis of control mechanisms - Cyclic AMP in bacterial chemotaxis
R01GM-15766-07 Regulatory mechanisms in E coli
**** P01GM-16496-06 0030** Clinical pharmacology-Pharmacokinetics - Cyclic AMP metabolism in leukocytes
**** P01GM-16496-06 0034** Clinical pharmacology-Pharmacokinetics - Relation of receptors to cell and tissue function (mice)
R01GM-16564-06 Enzymatic and nonenzymatic reactions of acyl phosphates
**** R01GM-16811-05** Role of cyclic GMP and cyclic AMP (animals)
R01GM-16865-05 Regulation of spindle formation in developing eggs (invertebrates, mammals)
P01GM-17366-04 0001 Biochemical and physiologic response to trauma - Endocrine aspects of shock and trauma (human, monkeys)
**** P01GM-17366-04 0002** Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
P01GM-17702-05 0006 Human biochemical genetics - Inherited diseases in cultures of differentiated cells (hamsters, rats, human)
**** R01GM-17856-03** Role of cyclic AMP in development (protists, fungi)
R01GM-18006-03 Membranes of bacteria and tumor cells (E coli)
R01GM-18277-04 Action mechanism of arabinose C protein (bacteria)
R01GM-18538-03 Enzyme synthesis during synchronous cell development (slime molds)
**** R01GM-19037-03** Basis of cyclic AMP action (cattle)
**** P01GM-19100-03 0005** Genetics research center - Transplantable insulinoma as model of beta cells (hamsters)
**** P01GM-19100-03 0018** Genetics research center - Developmental genetics (Caulobacter crescentus)
P01GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycomycete (Blastocystis emersonii)
R01GM-19301-03 Protein kinase-Structure and c-AMP interaction (pig)
R01GM-19322-03 Release of injurious constituents from cells (rabbits, human)
**** R01GM-19390-03** Biochemistry of a response system of Phycomycetes
P01GM-19527-03 0003 Human genetics - Genetic regulation of mammalian purine metabolism
P01GM-19527-03 0006 Human genetics - Growth and differentiation of exocrine and endocrine pancreas
R01GM-19957-02 Cell-cell interaction in the mycobacteria
R01GM-19993-07 Regulation of gene function and protein synthesis (bacteria)
R01GM-19998-02 Role of cell membrane in hormone secretion and action (rats, mice)
P01GM-20124-02 0005 Center for human genetics and inherited disease - Regulation of phenotypic expression by melanoma cells (mice, hamsters)
P01GM-20124-02 0006 Center for human genetics and inherited disease - Nuclear acidic proteins regulating genetic expression (mice, hamsters)
P11GM-20387-02 0006 Multidisciplinary research program in pharmacology-toxicology - Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs)
**** R01GM-20523-01** Cyclic AMP and control of division in mammalian cells (tissue culture)
R01GM-20664-01 Molecular regulation of cell growth in culture (peanut plant)
**** R01GM-21091-01** cAMP stimulated protein kinase-Mechanism and control (rats, cattle)
**** R01GM-21420-01** Cyclic AMP regulation (human, mammals nonhuman, birds)
R13GM-21477-01 The biology of cytoplasmic microtubules
R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
P01HD-01799-09 0003 Mental retardation research center - Developmental morphophysiology of immature mammalian brain
P01HD-01799-09 0012 Mental retardation research center - Synaptic function-subcellular fractionation techniques
R01HD-02138-12 Central nervous system regulation of reproduction (rats)
P01HD-02274-08 0003 Mental retardation and child development - Somatic cell genetics (human)
R01HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)
R01HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)
R01HD-03326-07 0001 Effects of early nutrition on growth and development - Metabolic studies (human)
R01HD-03326-07 0002 Effects of early nutrition on growth and development - Genetic studies (human)
R01HD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
R01HD-03891-06 Quantitative histochemistry of developing organs (rats)
P01HD-04147-06 0021 Research in mental retardation - Pelizaeus-Merzbacher disease (human)
R01HD-04229-06 Cytoplasmic regulation in early cell differentiation (frogs)
**** R01HD-04354-22** Mechanisms of hormone action (rats)
R01HD-04699-05 Temporal order and aging in cultured somatic cells (rats, hamster)

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- RO1HD-04722-02 Control of development of cellular slime molds
- RO1HD-05093-12 Ion transport during development of *Rana pipiens* eggs
- PO1HD-05221-05 0015 Center grant in mental retardation - Developmental microheterogeneity of mouse alpha fetoprotein
- RO1HD-05291-04 Hormonal regulation of an enzyme system in the uterus (rats)
- PO1HD-05342-04 0014 Mental retardation and brain development - Isolation of a calcium-binding protein from brain (swine, goats, electric fish)
- RO1HD-05443-03 Circulatory and cellular studies in runted fetal sheep
- ** RO1HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
- PO1HD-05615-04 0002 Developmental biology in mental retardation - Hormones and functional maturation, brain differentiation (rats, mice, human)
- PO1HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)
- PO1HD-05797-04 0035 Population and reproductive biology - Reproductive genetics (human, rabbits, mice)
- ** RO1HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- PO1HD-05874-04 0003 Biochemical regulation of aging processes - Hormone binding macromolecules during development and aging (rats, human)
- PO1HD-05874-04 0004 Biochemical regulation of aging processes - Biochemistry of nerve tissue maturation (mice, rats)
- PO1HD-05894-04 0004 Genetic childhood diseases and aging - Developmental biology of lymphocyte receptors for corticoids (mice, human)
- PO1HD-05894-04 0016 Genetic childhood diseases and aging - Regulation of bilirubin catabolism (human, rats, Gunn)
- PO1HD-05961-03 0004 Human and mammalian development - Primary cellular growth deficiency in humans
- PO1HD-05969-03 0002 Events that control fertilization - Protein phosphorylations as control mechanism in sperm (monkeys, cattle)
- PO1HD-06267-03 0003 Role of biological membranes in aging processes - Muscle contractile and modular proteins (rats)
- PO1HD-06267-03 0004 Role of biological membranes in aging processes - Function of the neural cell membrane (rats)
- PO1HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
- RO1HD-06290-01 Anatomical and functional development of the kidney (dogs)
- PO1HD-06323-03 0004 Cellular senescence and control of cell proliferation - Nutritional and digestive function of normal and transformed cells (human)
- RO1HD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
- RO1HD-06458-02 Neonatal mineral metabolism
- RO1HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, cat)
- RO1HD-06475-01 0002 Carbohydrate and lipid metabolism during development - Factors involved in initiation of gluconeogenesis (rat fetus)
- ** RO1HD-06489-03 Cyclic AMP in female reproductive hormone action (human, rats)
- ** RO1HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
- RO1HD-06580-02 Ontogeny of sensitivity to growth hormone (mice)
- RO1HD-06642-03 Metabolism of the proovulatory follicle (rabbits)
- ** PO1HD-06645-03 0005 Center for population research - Role of LH and cyclic AMP in cholesterol ester hydrolysis
- ** PO1HD-06645-03 0008 Center for population research - Action of hypophysiotropic hormones on the anterior pituitary (rabbits)
- PO1HD-06645-03 0038 Center for population research - Role of gonadotropins and steroid hormones (amphibians, mammals)
- RO1HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- RO1HD-06702-03 Morphogenetic properties in limb development (chick embryo)
- RO1HD-06775-03 Hypoxia, metabolism, and neonatal thermoregulation (dogs)
- PO1HD-06915-02 0002 Maternal malnutrition and fetal development - Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates)
- RO1HD-06963-09 Properties of smooth muscle (rats)
- RO1HD-07036-02 Biochemistry of placental development and function (continued)
- RO1HD-07078-02 Growth and development of human fetal brain in vitro
- RO1HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- ** PO1HD-07173-02 0003 Structure and function of aging human fibroblasts - Adenyl cyclase system and hormone receptors (WI 38)
- RO1HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- RO1HD-07336-01 Lepidopteran reproductive neuroendocrinology
- RO1HD-07464-01 Regulation of fatty acid synthesis during development (mice, rats)
- PO1HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)
- RO1HD-07503-02 Biology of the testis-Action of FSH (rats)
- RO1HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
- ** RO1HD-07693-01 Hormonal interactions in uterus (cattle)
- ** RO1HD-07703-01 Participation of cyclic AMP system in cellular aging (WI-38 cells)
- RO1HD-07707-02 Pediatric parenteral alimentation-Metabolic studies
- RO1HD-07799-01 Effect of age on adipose tissue lipolysis (geese)
- RO1HD-07923-02 0004 Steroid hormone metabolism - Control of placental function (human)
- RO1HD-08188-02 Reproductive hormones-Biology and molecular actions (chickens)
- RO1HD-08279-01 Effects of aging on the CNS-Pituitary gonadal axis (rats)
- PO1HD-08338-01 0003 Control of male reproduction - Gonadotropin secretion in LH and FSH clone cultures (mice)
- RO1HD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
- RO1HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)
- RO1HD-08615-01 Estrogen control of uterine growth and cell division (rats)
- RO1HD-08712-01 Mechanisms of postnatal enzyme development (rats)
- RO1HD-08948-01 Functional maturation of the endocrine pancreas (rats)
- RO1HL-02033-20 Regulation of cholesterol esters in blood and tissues (dog, rat, cattle, human)
- RO1HL-03509-17 Cellular defects in nocturnal hemoglobinuria (human)
- RO1HL-04372-14 Lipolytic enzymes in plasma and tissues (rats, sheep)
- ** RO1HL-04639-15 Vascular reactivity in surgical care (dogs)
- ** PO1HL-06285-14 0186 Cardiovascular-respiratory physiology and biochemistry - Leukocyte hormone receptors and cyclic nucleotides
- PO1HL-06285-14 0187 Cardiovascular-respiratory physiology and biochemistry - Regulation of airway smooth muscle (dogs)
- RO1HL-07564-13 Experimental shock (rats)
- RO1HL-07565-12 Biochemical characterization of platelet components (human)
- RO1HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
- PO1HL-08195-12 0018 Circulatory physiology - Metabolic effects of glucagon (human, rats)
- ** PO1HL-08195-12 0023 Circulatory physiology - Cyclic nucleotides in vascular tissues
- ** PO1HL-08195-12 0024 Circulatory physiology - Control of cyclic nucleotide levels in coronary arteries (swine)
- ** PO1HL-08195-12 0025 Circulatory physiology - Control of cyclic nucleotide levels in rat ductus deferens
- ** PO1HL-08195-12 0026 Circulatory physiology - Cyclic nucleotide phosphodiesterase activity in vascular tissue
- RO1HL-08508-11 Cardiac conductivity and automaticity (dogs)
- RO1HL-10018-07 Effect of aging on beating heart cells in culture (rats)
- RO1HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- PO1HL-11414-07 0004 Thrombosis and atherosclerosis program - Platelet function and nonthrombogenic surfaces (human)
- ** PO1HL-11414-07 0023 Thrombosis and atherosclerosis program - Cyclic AMP system controlling myocardial function (hamster)
- PO1HL-12373-06 0002 Cardiopulmonary physiology and pathophysiology - Mechanisms of adaptation in the whole heart (human)
- PO1HL-12373-06 0007 Cardiopulmonary physiology and pathophysiology - Contractility in normal and failing myocardium (rabbits, guinea pigs)
- PO1HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- ** PO1HL-12738-06 0062 Physiologic pharmacology and its clinical applications - Blood-perfused cardiac tissues and ventricular automaticity (dogs)
- ** PO1HL-12738-06 0065 Physiologic pharmacology and its clinical applications - Effect of phenothiazines on cardiac cyclic AMP (rats, dogs)
- RO1HL-12758-13 Regulation of aldosterone secretion (human, rats)
- RO1HL-13306-04 Electrophysiology of heart muscle (cattle)
- RO1HL-13629-05 Hemorrhagic diseases (human, rats, dogs)
- PO1HL-13737-04 0031 Assisted circulation - Myocardial ischemia-Biochemical changes (dogs, rats)
- RO1HL-13764-03 Control of renin release by the kidney in vitro (rats)
- ** RO1HL-13776-04 Cyclic nucleotides and cardiac function (chick embryo)
- RO1HL-13870-04 Control of myocardial sarcotubular calcium stores (dogs)
- RO1HL-13924-03 Mode of action of acetylcholine (rabbits, cats)
- RO1HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
- P17HL-14141-04 0004 SCOR for atherosclerosis in childhood - Intermediary metabolism of steroids in atherosclerosis (rats, mice)
- P17HL-14153-04 0008 Johns Hopkins Lung Center - Effects of isoproterenol on leukocytes and lymphocytes of asthmatic patients
- P17HL-14159-04 0006 Specialized center of research in hypertension - Catecholamines and myocardial metabolism in hypertensive rats
- P17HL-14177-04 0009 Center for prevention and treatment of atherosclerosis - Injury and hyperlipemic diet in producing atherosclerosis (rabbits, human, swine)
- ** P17HL-14179-04 0014 Center for the study of lung disease - Macrophages and phagocytosis-Drugs mediated by cyclic AMP
- P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
- ** P17HL-14214-04 0019 Neonatal lung center - Cyclic AMP as mediator of ACTH response (lambs)
- P17HL-14217-04 0014 Specialized center of research in thrombosis - The mechanism of platelet aggregation
- P17HL-14217-04 0044 Specialized center of research in thrombosis - Platelet coagulation activities
- P17HL-14230-04 0034 Lipids, atherosclerosis and thrombosis - Platelet aggregation and adhesiveness (human, rabbits)
- RO1HL-14523-04 Generation and regulation of force in smooth muscle (animals)
- RO1HL-14649-03 Metabolic aspects of endotoxin shock (guinea pigs, dogs, rats)
- RO1HL-14673-03 Parasympathetic control of cardiac lipid metabolism (dogs)
- PO1HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
- PO1HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
- ** PO1HL-14780-02 0024 Mechanisms and treatment of cardiovascular diseases - C-AMP and protein kinase in cardiac contraction and heart failure (cats, rats)
- ** RO1HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- RO1HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- ** RO1HL-15313-02 Cyclic AMP metabolism in leukocytes from asthmatics
- RO1HL-15447-02 Vascular role of prostaglandin and cyclic nucleotides (rats)
- RO1HL-15696-02 Molecular basis of regulation of heart function (rats)
- ** RO1HL-15764-01 C-AMP dependent protein kinase in cardiac contraction
- PO1HL-15834-02 Physiologic consequences of cardiac ischemia (human, animals)
- PO1HL-15835-01 0018 Pennsylvania Muscle Institute - Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs)
- PO1HL-15835-01 0019 Pennsylvania Muscle Institute - Vascular smooth muscle-Electron microscopy, excitation coupling (rats, rabbits)
- RO1HL-15851-01 Interaction of cardio and vasoactive drugs with cells
- ** RO1HL-15930-02 Hormonal control of lipid and lipoprotein synthesis (rats, chickens)
- RO1HL-15985-02 Metabolic and hormonal control of cardiac contraction
- RO1HL-15995-02 Developmental aspects of autonomic receptor function (chick embryo)
- RO1HL-16179-01 Action of vascular and other smooth muscle inhibitors
- RO1HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)
- RO1HL-16364-01 0002 Regulation of lipid biosynthesis and transport - Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis
- RO1HL-16436-01 Role of calcium and thyroxine in heart function (rats)
- ** RO1HL-16478-01 0002 Hemodynamic relations to metabolism in hypertension - Cardiac cyclic AMP related systems in hypertensive rats
- ** RO1HL-16520-01 Lipid and lipoprotein synthesis in liver cells (rats, chickens, pigeons)
- RO1HL-16544-01 Control of lipoprotein synthesis (swine)
- RO1HL-16634-09 0002 Regulation of metabolism in fibroblasts and platelets - Mechanism of platelet release reaction (human)
- RO1HL-16654-02 Regulation in developing erythroid cells (human, rabbits, sheep)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-16671-01 Action of sympathomimetic amines (dogs, rats, rats)
 R01HL-16915-01 Phosphorylation of myocardial regulatory protein (dogs)
 R01HL-16956-01 Structure-function pathology of isolated heart cells (mice, rats)
 ** R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
 ** R23HL-17235-01 Cyclic AMP and histamine hypersensitivity (mice)
 ** R10MH-11468-09 0034 Psychopharmacology research center - Modification of the cyclic AMP system by LSD, amphetamines and antipsychotics
 ** R10MH-11468-09 0035 Psychopharmacology research center - Clinical studies on plasma levels of cyclic AMP
 R10MH-12526-09 Drug effects on learning and memory (rats, mice)
 R10MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)
 ** P01MH-16674-06 0037 A program of psychiatry-oriented biological research - Dopamine stimulated adenylyl cyclase and cyclic AMP in caudate nucleus (rats)
 ** R01MH-17387-05 Anti-psychotic drugs-Role of cyclic AMP (human, mice)
 R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 ** R01MH-21584-03 Modification of cAMP response in neurons and glia (rats)
 R01MH-23464-02 Biochemistry of psychopharmacological agents (liver flukes, lobsters, mammals)
 ** P01MH-23861-02 0032 Biogenic amines and behavior - Cyclic AMP and behavior (mice)
 ** R03MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)
 P01MH-25515-01 0005 Collaborative biological research on schizophrenia - Supersensitivity of dopamine receptors in the rat brain
 P01MH-25515-01 0006 Collaborative biological research on schizophrenia - Actions of neuroleptic drugs on synaptic membranes (rats)
 R01NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)
 R01NS-03321-13 Electrolytes in nerve and muscle function (frogs)
 ** R01NS-05716-10 Cyclic 3,5-AMP in action of neurohormones (rabbits, guinea pigs)
 ** R01NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
 R01NS-07275-07 Metabolism of biogenic amines (rats)
 P01NS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
 R01NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
 ** R01NS-08059-07 Cyclic phosphodiesterase of central nervous system (human, ferret)
 ** R01NS-08440-06 Metabolic basis of neural function (animals)
 R01NS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
 R01NS-08775-05 Mechanisms of taste function (fish)
 ** R01NS-09042-05 Presynaptic basis of neuromuscular transmission (rats)
 ** P01NS-09199-04 0008 Effect of L-dopa on synthesis of amines in brain (human, animals) - Cyclic AMP in basal ganglia function (rats)
 ** R01NS-09230-04 Control mechanisms of neuroblastoma cells in vitro (mice)
 ** P01NS-09287-04 0011 Baylor center for cerebrovascular research - Cyclic AMP and regional cerebral blood flow in experimental infarction (baboons)
 R01NS-09361-04 Plasticity of the simplest neuronal pathways (animals)
 ** P01NS-09649-04 0009 Research in parkinsonism - Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats)
 ** R01NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
 R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
 R01NS-10229-03 Structure and function of nerve growth factor (chick embryo, mouse)
 ** R01NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
 R01NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
 R01NS-10270-01 Molecular pharmacological correlates of behavior (fish)
 ** R01NS-10490-01 Metabolism of cAMP in brain (human)
 R01NS-10582-02 Actin and other filaments in the growing neuron (chickens, rats)
 R01NS-10662-01 Microtubules in sensory transduction and development (cockroaches)
 R01NS-10968-01 The role of cyclic GMP in nervous tissue (animals)
 ** R01NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
 P01NS-10981-02 0011 Control of activity in excitable tissues - Metabolic pathways in resting frog sartorius muscles
 P01NS-10981-02 0015 Control of activity in excitable tissues - Effect of catecholamine and related agents on Na-ion transport in muscle (frogs)
 R01NS-11061-01 Regulation of adrenergic metabolism (rats)
 R01NS-11065-01 Analysis of selectivity of beta adrenergic drugs
 R01NS-11252-01 Function of a brain calcium-binding protein (rats, mice)
 R01NS-11295-01 Mechanisms of interneuronal communications in culture (rats)
 R01NS-11299-01 Studies of nerve development (chick embryo)
 R01NS-11354-01 Neuron-glia interaction in vitro cholinergic systems (rats)
 R01NS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
 R01NS-11609-01 Muscle membranes and muscle disease (human)
 ** P01NS-11631-01 0045 Clinical center for research on Parkinson's and allied diseases - Cyclic AMP on electrical activity of single neurons
 ** P01NS-11642-01 0008 Basic and clinical neuroendocrinology - Cellular mechanisms of hormone action in the hypothalamus (rats)
 P01NS-11642-01 0010 Basic and clinical neuroendocrinology - Fine structural correlates of pineal gland function (hamsters)
 P01NS-11766-01 0001 Clinical research center for neuromuscular disease - Muscle membranes and muscle disease (human)
 ** M01RR-00030-13 0090 General clinical research center - Cyclic AMP levels in endocrine disorders (human)
 M01RR-00036-14 0120 General clinical research center - Effect of parathyroid hormone on cyclic AMP in hypomagnesemia (human)
 ** M01RR-00036-14 0142 General clinical research center - Cyclic AMP metabolism in bronchial asthma and atopic eczema (human)
 M01RR-00040-14 0028 General clinical research center - Parathyroid hormone secretion in health and disease (human)
 ** M01RR-00043-14 0054 General clinical research center - Alterations in cyclic AMP, a reflection of altered thyroid function (human)
 ** M01RR-00043-14 0062 General clinical research center - Role of cyclic AMP in water excretion (human)
 ** M01RR-00050-13 0064 Wilson's disease - cAMP and parathyroid hormone levels in diagnosis of hyperparathyroidism (human)
 ** M01RR-00056-13 0010 General Clinical Research Center - Factors affecting urinary cyclic AMP excretion (human)
 ** M01RR-00065-12 0042 General clinical research center - Hypercalcemia and cyclic AMP excretion in hyperthyroidism (human)
 ** M01RR-00065-12 0044 General clinical research center - Parathyroid hormone unresponsiveness and 3'5' cAMP excretion (human)
 M01RR-00065-12 0045 General clinical research center - Persistence of calcemic and phosphaturic effects of PTH (human)
 M01RR-00071-11 0034 General clinical research center - Effect of early nutrition on development of human adipose tissue
 ** M01RR-00080-12 0071 General clinical research center - Evaluation of beta-adrenergic theory of bronchial asthma (human)
 M01RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)
 ** M01RR-00229-09 0050 General clinical research center - Gastrointestinal response to cyclic AMP and prostaglandin A1
 ** M01RR-00305-08 0072 Clinical research center for children - Ventricular function and myocardial cyclic AMP during open heart surgery
 M01RR-00750-02 0021 General clinical research center - Defect in cyclic AMP formation in nephrogenic diabetes insipidus (human)
 ** M01RR-00827-01 0004 General clinical research center - Effect of ACTH and cyclic AMP on adrenal cancer
 M01RR-00833-01 0001 General clinical research center - Bronchial asthma-Inhalation bronchial challenge (human)
 ** M01RR-00847-01 0019 Clinical research center - Regulation of cyclic nucleotide metabolism (human)
 ** M01RR-00847-01 0020 Clinical research centers - Metabolism of cyclic 3',5'-AMP and cyclic 3',5'-GMP (human)
 ** M01RR-00847-01 0021 Clinical research centers - Urinary excretion of cyclic nucleotides in cystic fibrosis (human)
- PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADENOSINE PHOSPHATES**
 SEE ALSO FLAVIN NUCLEOTIDES, RIBOFLAVIN NUCLEOTIDES, FAD
 SEE ALSO PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)
 SEE ALSO PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)
- R01A1-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
 R01AM-17092-01 Influence of stress on gastric mucosal energy metabolism (rabbits, rats)
 P02CA-06973-12 0020 Integrated clinical cancer research program - Cell biology-Platelet and granulocyte studies (human)
 P01CA-08748-09 5801 Research program of Sloan-Kettering institute - Normal and deranged purine intermediary metabolism (human, monkeys, rats)
 R01CA-12060-04 Control, regulation of carbohydrate biosynthesis (human, animals, microbes)
 R01GM-15086-07 Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria)
 R01GM-19972-05 Biochemistry of membrane and catalytic proteins (bacteria, plants)
 R01HL-11802-07 Cardiovascular surgical research (dogs)
 R01HL-15391-02 Nucleotide induced changes of conformation in myosin
 N01HV-22948-02 Intervention to protect ischemic myocardium and minimize infarct size (mammals)
 R01MH-21730-03 Role of metal chelates in biogenic amine activity
 R01NS-07402-07 Physiological regulation of cell metabolism (divalves)
- PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP**
 SEE ALSO COENZYME A
 R01AA-00202-03 Effect of ethanol on jejunal function (human)
 R01AI-00848-19 Biological fixation of nitrogen by microorganisms
 R01AI-00214-14 Effects of chemical agents on glycolytic enzymes (flukes, rats)
 R22AI-07772-08 Biochemistry of *Vibrio cholerae* virulence
 ** R01AI-07875-08 Mechanisms of prophage integration and recombination (bacteria)
 R22AI-08866-05 Cultivation of *Mycobacterium leprae*
 R01AI-11636-01 Normal and virus-infected animal cells
 R01AI-12132-01 Regulation of transcription in virus infected cells
 R01AM-01506-17 Effect of thyroxine on mitochondria (rats)
 R01AM-03539-15 Endocrine regulation-Comparative studies (frogs, crustaceans)
 R01AM-04407-13 Molecular basis of membrane transport (human, rats, bacteria)
 ** R01AM-05195-14 Interaction of ATP analogs with myosin
 R01AM-05427-13 Biochemistry of the adrenal medulla (cats, rabbits, guinea pigs)
 P01AM-07462-11 0050 Hormonal regulation of metabolism - Insulin and the adenylate cyclase-phosphodiesterase system of fat cells
 P01AM-07462-11 0053 Hormonal regulation of metabolism - Adenylate cyclase
 P01AM-07462-11 0060 Hormonal regulation of metabolism - Sodium and potassium ion-transport ATPase of guinea pig kidney
 R01AM-08480-11 Cholesterol injury in mammals (rodents, rabbits)
 P01AM-09001-10 0024 Biochemistry and immunology of blood diseases - Tryptophan-tRNA synthetases of *E coli* and man
 R01AM-09131-10 Effect of amino acid analogs on protein synthesis (yeasts, rats)
 R01AM-09765-09 0002 Regulatory processes in biological systems - PR-ATP synthetase (*salmonella typhimurium*)
 R01AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
 R01AM-10072-10 Physical chemistry of human hemoproteins
 ** R01AM-10894-08 0013 Genetic metabolic diseases of infancy and childhood - ATP content and correlation with amino acid transport of stored slices (rats)
 R01AM-11410-08 Allosteric properties of phosphofructokinase (rabbits)
 R01AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
 R01AM-11677-07 Skeletal and cardiac contractile protein interactions (rabbits)
 R01AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
 R01AM-12715-06 Ion transport in small intestine (frogs)
 R01AM-12768-06 Intestinal motility-Hyogenicity neural control (cats, guinea pigs, rabbits)
 R01AM-12803-16 Structural basis of cellular function (animals, microorganisms)
 R01AM-12865-06 Mode of insulin action and glycogen synthetase (tadpoles, rats)
 R01AM-13351-07 NMR studies of enzyme-metal-substrate interactions
 R01AM-13682-15 Metabolism of erythrocyte stroma (human, mice)
 R01AM-13687-18 Energy source for contraction of muscle (frogs)
 R01AM-14485-03 Work and muscle energetics (frogs)
 R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)

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(contd)

- RO1AM-15322-08 Lysis of red cells by hemoglobin and membrane disease (human)
- RO1AM-15365-04 Mechanism of sodium-dependent metabolite transport
- RO1AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
- RO1AM-16177-03 Mechanism of action of steroid hormones (rats)
- RO1AM-16497-02 0005 Normal and disordered thyroid hormone economy - Cyclic nucleotide metabolism during thyroidal autoregulation (rats)
- RO1AM-16678-01 Role of the mitochondria in hepatic drug metabolism (rats)
- PO1AM-16764-02 0001 Disorders of renal acidification - Hereditary fructose intolerance (human, dogs, rats)
- RO1AM-16775-02 Sources of energy for renal sodium transport (rats)
- RO1AM-16821-01 Biochemical studies of red cell membranes (human)
- RO1AM-17008-01 Structure and function of creatine kinase (rabbits, chicken)
- P17AM-17026-01 0020 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of nuclear protein phosphorylation in isolated fat cells
- P17AM-17026-01 0024 Vanderbilt University Diabetes-Endocrinology Center - Control by insulin of cyclic AMP metabolism in rat liver (rats)
- P17AM-17026-01 0025 Vanderbilt University Diabetes-Endocrinology Center - Mechanism of sodium-potassium ion transport ATPase (guinea pigs)
- P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
- P17AM-17026-01 0038 Vanderbilt University Diabetes-Endocrinology Center - Regulation of skeletal muscle glycogen synthetase kinase and phosphatase
- P17AM-17026-01 0044 Vanderbilt University Diabetes-Endocrinology Center - Action of insulin on heart cyclic AMP-dependent protein
- RO1AM-17081-01 CA02 release from sarcoplasmic reticulum (frogs)
- RO1AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)
- RO1AM-17315-01 Conductance pathways in acute gastroduodenal injury (Necturus)
- ** RO1AM-17323-02 Active site of creatine kinase from rabbit muscle
- RO1AM-17483-01 Rapid kinetic studies of myosin adenosinetriphosphatase (rabbit)
- RO1AM-17492-02 Cytoplasmic streaming and contractile proteins (fungi)
- RO1AM-17559-01 Molecular mechanism of muscle contraction
- RO1CA-04679-15 0002 Biology of normal and malignant melanocytes - Tyrosinase, adenylyl cyclase, and cholinesterase
- ** RO1CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
- PO2CA-06519-12 0094 Radiation therapy and biology research program - In vitro synthesis of phi-X174 single-stranded DNA
- RO1CA-06663-13 Mechanisms of control of mammalian cell multiplication (rats)
- PO1CA-06927-12 0005 Biological and biochemical program in cancer research - Fumarate regulatory properties and giant nuclei proteins of *Drosophila*
- ** PO1CA-06927-12 0017 Biological and biochemical program in cancer research - Growth and differentiation of plant systems
- ** PO1CA-06927-12 0031 Biological and biochemical program in cancer research - Regulation of intermediary metabolism in neoplastic cells (mice)
- PO1CA-07175-11 0009 Cancer research at the McArdle laboratory - Growth control mechanisms in mammalian cells (human, voles)
- RO1CA-08964-08 Energy metabolism in normal and tumor cells (cattle, plants, microorganisms)
- RO1CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- RO1CA-11705-05 Studies on DNA synthesis (bacteria, human, mammals)
- RO1CA-12096-04 Discontinuous DNA synthesis in vitro (*E. coli*, mammals)
- PO1CA-12227-04 0006 Core program in carcinogenesis - Carcinogenic process in the liver (rats, guinea pigs, mice)
- PO1CA-12227-04 0012 Core program in carcinogenesis - Ultrastructural study of hepatic cell nucleoli (rats, guinea pigs)
- PO1CA-12227-04 0025 Core program in carcinogenesis - Inhibition of RNA synthesis by ethionine in rat liver (also human)
- RO1CA-12586-02 Lymphocyte metabolism and therapy of viral leukemia
- RO1CA-13602-06 Structure and mechanism of action of DNA polymerase (animals, microorganisms)
- RO1CA-14266-03 Chemotherapy with inhibitors of protein synthesis (*E. coli*, rats)
- RO1CA-14576-02 Energy metabolism and leukemic lymphocytes (human)
- PO2CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems
- RO1CA-15915-01 A molecular probe for the study of DNA replication (bacteria)
- NO1CP-45610-00 Studies of mammalian cell transport system
- RO1DE-03636-02 Phosphoproteins of calcified tissues (rats)
- PO1ES-00044-10 0003 Mechanisms of pesticide action - Action and metabolism of herbicides (plants, mammals nonhuman)
- RO1ES-00654-01 Photoreaction and herbicide metabolism
- RO1ES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
- RO1EY-00170-05 Metabolism of the normal and abnormal ocular ions (rats, rabbits, mice)
- RO1EY-00699-04 Intermediary metabolism of the cornea (rabbits)
- RO1EY-00943-03 The role of calcium in visual excitation (cattle)
- RO1GM-05810-15 Structure and function of bacterial membrane ATPase (bacteria)
- RO1GM-05919-16 0015 Enzymatic activities of mitochondria - Solubilization and purification of the ADP-ATP carrier (rats)
- RO1GM-06965-15 0041 Basic experimental biology - Specific phosphorylation of rhodopsin with ATP (cattle)
- ** RO1GM-07261-14 Enzymatic, chemical reaction adenosine triphosphate (rats, cattle)
- RO1GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)
- RO1GM-11300-11 Metabolic controls in light-driven metabolism (blue-green algae)
- RO1GM-11422-11 0003 Cell water, ions and control mechanisms - Cooperative transition and its control in cell function (frogs)
- PO1GM-12202-11 Cellular energy metabolism
- PO1GM-12847-10 0024 Molecular biology of membrane systems - Supermolecule and control of coupling options
- PO1GM-12847-10 0025 Molecular biology of membrane systems - Energy coupling in mitochondria and other bioenergetics systems
- RO1GM-13952-09 Biochemical mechanisms of sugar transport
- RO1GM-14523-08 Nucleic acid interactions
- PO1GM-14546-08 0051 Influence of acute illness and injury on energy - Circulation in sepsis (human)
- RO1GM-15122-07 Initiation and polypeptide synthesis in vitro (wheat)
- PI1GM-15477-08 0071 Drug metabolism and biochemical pharmacology - Morphine and cerebral glycolytic intermediates (rats)
- RO1GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
- RO1GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
- RO1GM-17892-04 Regulation of bacterial metabolism
- PO1GM-18470-03 0015 Trauma center - Red cell studies (human)
- RO1GM-18539-03 Membrane biogenesis and function (bacteria, chick embryo)
- RO1GM-18711-03 Mechanisms of movement of simple sperm flagella (sea urchins, cilia)
- RO1GM-18938-03 Determination of enzyme mechanisms by kinetic studies
- RO1GM-19020-06 In vitro restriction and modification of phage DNA (bacteria)
- RO1GM-19122-03 Enzymatic mechanisms of DNA synthesis (*E. coli*)
- ** RO1GM-19562-07 Pathways for ATP synthesis and utilization
- RO1GM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
- RO1GM-20457-02 0004 GC-MS and stable isotopes in pharmacological research - Norepinephrine synthesis and neurally mediated release (rats, guinea pigs)
- RO1GM-21073-01 The molecular mechanism of genetic recombination (*E. coli*)
- ** RO1GM-21726-01 Molecular structure of a soluble monooxygenase (nematodes rats)
- RO1HD-00827-11 Effect of RNA and DNA on cephalic tarata (mice)
- RO1HD-01613-10 Exercise-induced biochemical and anatomic adaptations (rats)
- PO1HD-05221-05 0029 Center grant in mental retardation - Pathologic embryology (rats, monkeys)
- RO1HD-05794-04 Somatotropic metabolism and lactotrope metabolism (human, rats)
- RO1HD-05859-04 Role of the epididymis in spermatozoa maturation (cattle, rabbits, human)
- PO1HD-05970-03 0002 Metabolic and molecular changes in aging - Control of energy metabolism (nematodes)
- RO1HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
- RO1HD-06565-07 Structural basis of spermatozoan motility (sea urchins, cattle)
- RO1HD-06883-01 Control of steroid hormone biosynthesis in pregnancy (human)
- PO1HD-06915-02 0005 Maternal malnutrition and fetal development - Metabolic role of glucose in development of fetal brain and liver (animals)
- NO1HD-32729-01 Structure, function and development of oviduct cilia (human)
- RO1HL-06241-13 Structure-function relations in blood cell membranes (human, rats)
- PO1HL-06285-14 0173 Cardiovascular-respiratory physiology and biochemistry - Skeletal and cardiac muscle function
- PO1HL-06308-14 0009 Mechanisms and therapy of circulatory disease - Surgical hemodynamics (dogs)
- PO1HL-06308-14 0023 Mechanisms and therapy of circulatory disease - Polypeptides and heart mitochondrial structure and function (rats)
- ** RO1HL-06950-13 Red cell metabolism (rats, rabbits)
- RO1HL-07449-12 0002 Formation and survival of red blood cells - Red cell preservation in artificial media and in alkaline CDP (human, rabbits)
- RO1HL-10059-09 Energy metabolism in blood platelets (rats)
- PO1HL-10342-09 0013 Cardiovascular, pulmonary, and behavioral studies - Hypercapnia, serum phosphorus, and muscle performance (dogs, rats)
- RO1HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
- RO1HL-10940-09 Lipid transport (rats, rabbits)
- RO1HL-12443-03 Amino acid and protein metabolism in human platelets
- RO1HL-12556-06 Comparative cardiovascular physiology (animals)
- RO1HL-13029-05 Metabolic regulation of sugar transport (pigeons)
- RO1HL-13584-03 Platelet preservation related to energy metabolism (human)
- RO1HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
- RO1HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
- P17HL-14177-04 0014 Center for prevention and treatment of atherosclerosis - Sudden death (swine)
- P17HL-14217-04 0011 Specialized center of research in thrombosis - Radioactive serotonin uptake to cold serotonin in platelets
- ** P17HL-14217-04 0013 Specialized center of research in thrombosis - Relationship of inhibition of platelet function and metabolically active ATP
- P17HL-14217-04 0016 Specialized center of research in thrombosis - Effects of adrenochrome complex on Ca²⁺-activated ATPase of platelets
- ** RO1HL-14344-03 Platelet function and adenine nucleotide metabolism (human)
- RO1HL-14358-03 Mechanism of angiotensin action on target tissues (dogs)
- RO1HL-14483-04 Ion transport and oxidative phosphorylation (cattle)
- RO1HL-14649-03 Metabolic aspects of endotoxin shock (guinea pigs, dogs, rats)
- RO1HL-14801-02 Synergistic effects of oxygen and hydrostatic pressure (rats)
- RO1HL-14803-02 Sickle cell crisis-occurrence and resolution
- RO1HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- RO1HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- RO1HL-15051-02 Contractile and control sites of actomyosin (rats)
- P17HL-15061-03 0013 Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)
- P18HL-15157-03 0004 Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
- P18HL-15157-03 0009 Comprehensive sickle cell disease center - Red cell membrane alterations during sickling (human)
- P18HL-15157-03 0012 Comprehensive sickle cell disease center - Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human)
- ** RO1HL-15391-02 Nucleotide induced changes of conformation in myosin
- RO1HL-15613-02 Hemoglobin S and the mechanism of sickling
- RO1HL-15692-02 Control of force development in heart and muscle (frogs)
- RO1HL-15782-01 Mucopolysaccharide metabolism in cardiac anomalies (rats)
- RO1HL-15793-02 Molecular aspects of erythrocyte membrane resealing (animals)
- PO1HL-15835-01 0001 Pennsylvania Muscle Institute - Control of contraction-relaxation of heart and muscle (rabbits, chickens)
- ** PO1HL-15835-01 0011 Pennsylvania Muscle Institute - Energetics and mechanism of muscle contraction (frogs, rabbits)
- PO1HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
- PO1HL-15835-01 0013 Pennsylvania Muscle Institute - Cardiac bioenergetics (rats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-16010-12 Cellular basis of cardiac contractility (frogs)
 R01HL-16296-01 Oxygenation properties of multiple hemoglobins (eel)
 R01HL-16355-01 Reactions of thrombin and collagen with platelets
 R01HL-16421-04 Determinants of RBC deformability and capillary flow (human)
 R01HL-16671-01 Action of sympathomimetic amines (dogs, cats, rats)
 P01MH-08618-10 0004 Biological studies of psychotic disorders - Mechanism of action of mescaline (rats)
 R01MH-20142-03 Mechanism of action of psychotomimetic drugs (rats, frogs)
 R01MH-21730-03 Role of metal chelates in biogenic amine activity
 R01MH-26237-01 0003 Biogenic amine and CNS phospholipid metabolism - Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats)
 R01NS-04763-11 Catecholamine metabolism in neuroblastoma (human)
 P01NS-05820-09 0001 Research center for cerebral vascular diseases - Brain energy and acid based parameters (rats)
 P01NS-05820-09 0002 Research center for cerebral vascular diseases - Hyperventilation on recovery from circulatory arrest (rats)
 P01NS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)
 P01NS-06827-06 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
 R01NS-07507-07 Cerebral metabolism and blood flow during anesthesia (dogs, primates)
 R01NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
 R01NS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)
 R01NS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
 R01NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
 P01NS-10175-03 0001 Neuromuscular disease research center - Muscle enzyme and penicillamine studies - Animal research
 P01NS-10175-03 0025 Neuromuscular disease research center - Myotonia-DPMH oxidase studies (goats)
 R01NS-10571-02 Mechanisms of growth and atrophy of skeletal muscle (rats)
 R01NS-11353-01 Energy requirements for neuronal activity (cockroaches)
 R01NS-11484-01 Effect of seizure upon energy metabolism of brain (rats)
 P01NS-11642-01 0010 Basic and clinical neuroendocrinology - Fine structural correlates of pineal gland function (hamsters)
 R01NS-11773-01 Regulation of glycolysis in brain (rats)
- PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, POLYADENYLIC ACID**
 R01AI-11839-02 Molecular biology of vaccinia virus replication
 R01AM-15917-03 Hemoglobin production during animal development (chick embryo)
 ** P02CA-06516-12 0033 Cancer center support grant - Comprehensive - Poly A metabolism in normal and tumor cells (hamsters)
 P01CA-13330-03 0039 Cancer research program - Interaction of oncogenic viruses (human, monkeys, hamsters)
 P01CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
 R01CA-14868-02 Messenger RNA biogenesis in virus transformed cells (rats)
 ** R01CA-15389-01 Fate of RNA in malignant and normal cells (mice, *Xenopus*)
 R01CA-15647-01 Heterogeneous RNA sequences in liver neoplasms (rats)
 ** R01CA-15733-01 Mitochondrial polyadenylation in neoplasia (rats)
 P01GM-13882-09 0002 Cell transformations, division and motion - Cell differentiation (chick embryo, sea urchin, *Blastocladia*, *Drosophila*)
 R01GM-15122-07 Initiation and peptide synthesis in vitro (wheat)
 ** R01GM-18881-09 Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle)
 R01GM-19194-03 Regulation of gene replication and gene multiplicity (*Drosophila*)
 R01GM-21421-01 Stability of steady states in nucleic acid synthesis
- PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES**
 R01AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
 P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
 R01CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
 R01CA-07340-11 0003 Coenzymes containing purine and pyrimidine analogs - Human enzymes and purine metabolism
 R01GM-17101-03 The mechanism of translocation (bacteria)
- PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, DEOXYGUANOSINE MONOPHOSPHATE**
 R01GM-20884-01 Deoxyribonucleotide metabolism in *Escherichia coli*
- PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP**
 ** P01AM-07462-11 0067 Hormonal regulation of metabolism - Subcellular distribution
 R01AM-15611-03 Biochemical role of cyclic AMP in gastric mucosa (rabbits, dogs)
 R01AM-17299-02 0005 Induction and suppression of urea cycle enzymes - Dibutyl-cyclic-amp in rats
 P02CA-05834-13 0040 Cancer clinical research center - Acute lymphocytic leukemia (human)
 R01CA-11161-06 Enzymes of glutamine metabolism (E. coli, chickens)
 ** P01CA-12174-04 0002 Growth and cell control processes - Purine scavenger pathways in mammalian cells
 R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
 ** R01CA-13638-03 Cyclic nucleotides in HeLa cell growth
 ** R01ES-00412-06 0018 Mechanisms of insecticide resistance - Cyclic nucleotides in toxic action of and in resistance to insecticides (fish)
 R01EY-01171-02 Cyclic nucleotide function in retinal photoreceptors (cattle, rats)
 R01GM-19957-02 Cell-cell interaction in the myxobacteria
 R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
 P01HL-11414-07 0004 Thrombosis and atherosclerosis program - Platelet function and nonthrombogenic surfaces (human)
 ** R01HL-13776-04 Cyclic nucleotides and cardiac function (chick embryo)
 R01HL-13996-03 The role of cyclic nucleotides in vascular tissue (rabbits, swine)
 R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
 R01HL-15696-02 Molecular basis of regulation of heart function (rats)
 R01HL-15985-02 Metabolic and hormonal control of cardiac contraction
 R01MH-17387-05 Anti-psychotic drugs - Role of cyclic AMP (human, mice)
- PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC**
 P01AI-07007-09 0004 Immunopathologic studies - Induction of immunity, immunological unresponsiveness and autoimmunity
 R22AI-09029-06 0010 Cholera toxin and intestinal ion transport - Mechanism regulating active transport in rabbit ileum
 P01AI-12225-01 0004 Immunopathology and clinical immunology - Regulation of enzyme release from human leukocytes
 ** P01AI-12450-01 0001 Cyclic nucleotides in immunity - Lymphocyte activation (human, rats, mice)
 ** P01AI-12450-01 0002 Cyclic nucleotides in immunity - Histamine release (rats)
 ** P01AI-12450-01 0003 Cyclic nucleotides in immunity - Phagocytosis (guinea pigs, human)
 ** P01AI-12450-01 0004 Cyclic nucleotides in immunity - Chemotaxis (human)
 P01AM-07462-11 0064 Hormonal regulation of metabolism - Cyclic nucleotide phospho-diesterase activity in pig coronary arteries
 ** P01AM-07462-11 0065 Hormonal regulation of metabolism - Importance of calcium for control of cyclic GMP levels
 P01AM-07462-11 0066 Hormonal regulation of metabolism - Vasoactive agents and cyclic nucleotide levels in pig coronary arteries
 ** R01AM-09038-10 Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria)
 R01AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
 R01AM-14070-04 Role of adrenocorticoids in lipolysis (rats, human)
 R01AM-14956-04 Polypeptide hormone action and affinity chromatography (rats, human)
 R01AM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
 ** R01AM-15788-03 Mechanism of action of antilipolytic drugs (rats)
 R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
 P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
 ** P17AM-17026-01 0030 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic GMP
 P17AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver
 P17AM-17026-01 0041 Vanderbilt University Diabetes-Endocrinology Center - Role of insulin in growth of human cells in culture
 P17AM-17042-01 0009 Diabetes endocrinology research center - Insulin effects on the cyclic nucleotide inhibitor and cyclic GMP
 ** R01AM-17438-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)
 R01AM-17692-01 Control of enzyme release from human neutrophils
 R01CA-12628-04 Mechanisms of enzyme induction by cyclic nucleotides (rats)
 R01CA-12607-03 Mechanisms of cytoplasmic division (bacteria, toads)
 R01CA-12933-03 Histone metabolism in neoplastic tissues (mice, rats)
 R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
 R01CA-15883-01 Agents inhibiting phosphodiesterases of cancer cells (mice, human)
 ** P01CA-16228-01 0004 Cell membrane in proliferation and oncogenesis - Cyclic GMP control of proliferation and cell function (mice, human)
 ** P01CA-16228-01 0008 Cell membrane in proliferation and oncogenesis - Cyclic nucleotides and cell proliferation (rodents, rabbits)
 P01CA-16228-01 0009 Cell membrane in proliferation and oncogenesis - Cell junction formation and role in cell proliferation (rats)
 P01CA-16359-01 0026 Cancer center support grant - Mechanisms of lymphocyte stimulation
 ** R01GM-16811-05 Role of cyclic GMP and cyclic AMP (animals)
 P01GM-19100-03 0005 Genetics research center - Transplantable insulinoma as model of beta cells (hamsters)
 P01GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycocyanin (*Blastocladia emersonii*)
 P01GM-19527-03 0003 Human genetics - Genetic regulation of mammalian perine metabolism
 P01GM-19527-03 0006 Human genetics - Growth and differentiation of exocrine and endocrine pancreas
 P01HD-06267-03 0004 Role of biological membranes in aging processes - Function of the neural cell membrane (rats)
 P01HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
 P01HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
 R01HD-08615-01 Estrogen control of uterine growth and cell division (rats)
 ** P01HL-06285-14 0186 Cardiovascular-respiratory physiology and biochemistry - Leukocyte hormone receptors and cyclic nucleotides
 P01HL-06285-14 0187 Cardiovascular-respiratory physiology and biochemistry - Regulation of airway smooth muscle (dogs)
 ** P01HL-08195-12 0023 Circulatory physiology - Cyclic nucleotides in vascular tissues
 ** P01HL-08195-12 0024 Circulatory physiology - Control of cyclic nucleotide levels in coronary arteries (swine)
 ** P01HL-08195-12 0025 Circulatory physiology - Control of cyclic nucleotide levels in rat ductus deferens
 ** P01HL-08195-12 0026 Circulatory physiology - Cyclic nucleotide phosphodiesterase activity in vascular tissue
 R01HL-10018-07 Effect of aging on beating heart cells in culture (rats)
 R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
 R01HL-15447-02 Vascular role of prostaglandin and cyclic nucleotides (rats)
 R01HL-15985-02 Metabolic and hormonal control of cardiac contraction
 R01HL-16544-01 Control of lipoprotein synthesis (swine)
 R01HL-16671-01 Action of sympathomimetic amines (dogs, cats, rats)
 ** R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
 R10MH-11468-09 0034 Psychopharmacology research center - Modification of the cyclic AMP system by LSD, amphetamines and antipsychotics
 ** R03MH-25287-01 Neuronal control of brain-cyclic nucleotide formation (rats)
 R01NS-00884-18 Synaptic transmission in autonomic ganglia (frogs)
 R01NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
 ** R01NS-08440-06 Metabolic basis of neural function (animals)
 ** R01NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
 ** R01NS-10975-07 Cyclic AMP and metabolic control in the nervous system (mice, chicks)
 R01NS-11065-01 Analysis of selectivity of beta adrenergic drugs

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00284-08 0051 General clinical research center-pediatric - Role of growth hormone in cyclic nucleotide metabolism
- ** MO1RR-00847-01 0019 Clinical research centers - Regulation of cyclic nucleotide metabolism (human)
- ** MO1RR-00847-01 0020 Clinical research centers - Metabolism of cyclic 3',5'-AMP and cyclic 3',5'-GMP (human)
- ** MO1RR-00847-01 0021 Clinical research centers - Urinary excretion of cyclic nucleotides in cystic fibrosis (human)

PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GUANOSINE PHOSPHATES

- RO1AM-13967-04 Regulation of energy metabolism in liver (rats)
- ** RO1AM-15919-02 Starvation and regulation of protein degradation (rats)
- ** PO1CA-06927-12 0012 Biological and biochemical program in cancer research - Biochemical factors in drug resistance
- RO1GM-10451-11 Kinetic analysis of enzyme catalysis
- RO1GM-21248-01 0001 New applications of mass spectrometry in pharmacology - Metabolism and mode of action of cyclophosphamide (human)
- ** RO1GM-21359-01 Guanine nucleotides and protein chain growth (E. coli, B subtilis)
- RO1HL-12549-06 Peptide bond formation and hemoglobin synthesis (rabbits)

PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GTP

- RO1AI-12132-01 Regulation of transcription in virus infected cells
- RO1AM-03442-15 Biosynthesis of B vitamins (microorganisms)
- PO1AM-07462-11 0067 Hormonal regulation of metabolism - Subcellular distribution
- RO1AM-15156-04 Mechanism of protein biosynthesis (rats)
- PI7AM-17026-01 0030 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic GMP
- PO2CA-06519-12 0101 Radiation therapy and biology research program - Enzymology of phage T7 RNA synthesis
- ** PO1CA-06927-12 0031 Biological and biochemical program in cancer research - Regulation of intermediary metabolism in neoplastic cells (mice)
- ** PO1CA-08748-09 5302 Research program of Sloan-Kettering Institute - Hormonal effects on plasma membranes (human, rats)
- RO1GM-10025-12 X-ray analysis of protein structure and function (bacteria)
- RO1GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)
- RO1GM-14825-08 Conformation of tRNA and model oligonucleotides
- ** RO1GM-18682-03 Mammalian peptide termination-mechanism and suppression (hamsters, viruses)
- RO1HL-04219-16 Fatty acid biosynthesis (rats)
- RO1HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- RO1HL-15782-01 Mucopolysaccharide metabolism in cardiac anomalies (rats)
- RO1HL-16111-01 Integrated regulation of myocardial energy metabolism (rats, guinea pigs)
- RO1HL-16296-01 Oxygenation properties of multiple hemoglobins (eel)
- RO1NS-09335-04 Drug interactions with brain microtubule (human, chick embryos)
- ** RO1NS-10709-01 GTP and tubulin structure (sheep)
- RO1NS-11360-01 Properties of microtubular proteins (mammals, sea urchin)
- RO1NS-11504-01 Pathology and biology of neuronal fibrous proteins (swine, cattle, human)

PURINE NUCLEOTIDES, HYPOXANTHINE NUCLEOTIDES, INOSINE MONOPHOSPHATE

- RO1AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)
- RO1AM-17438-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)
- ** RO1CA-02790-19 Biosynthesis of purines (bacteria)
- RO1CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
- RO1CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
- RO1CA-14030-02 Regulation of metabolism by purine interconversions (rats, mice)
- R26CA-14906-02 Enzymes of normal and malignant intestinal mucosa (rats, human)

PURINE RIBOSIDES

SEE PURINE NUCLEOSIDES, PURINE RIBOSIDES

PURINES

- SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS
- RO1AI-06860-09 Immunochemical studies of nucleic acids
- RO1AI-10640-03 Physiology of intracellular parasitism (hamsters, monkeys)
- RO1AI-11121-02 Novel control mechanisms in endospore formation

- RO1AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
- ** RO1AM-02109-17 Purine and pyridine metabolism in microorganisms
- ** RO1AM-14362-04 Regulation of purine metabolism in human cells
- ** RO1AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
- ** RO1AM-16726-02 Diet and purine metabolism in goat (human, rats)
- RO1AM-16835-01 Effect of diet on urinary stone formation in animals (rats, monkeys)
- ** RO1AM-17415-01 Regulation of supply of utilizable purines by liver (rabbits, rats E. coli K12)
- RO1CA-04175-16 Cell culture studies on drugs and antimetabolites
- RO1CA-07340-11 0001 Coenzymes containing purine and pyrimidine analogs - Polyphosphate nucleotide synthesis and degradation (human)
- ** RO1CA-07340-11 0003 Coenzymes containing purine and pyrimidine analogs - Human enzymes and purine metabolism
- RO1CA-08495-09 Fused heterocycles as potential anticancer agents
- PO1CA-08748-09 7215 Research program of Sloan-Kettering Institute - Synthesis of purine-protein conjugates as antitumor agents
- RO1CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- PO2CA-12197-03 0008 Multidisciplinary oncology research center - Nucleic acid methylases in normal and neoplastic human tissues
- RO1CA-12591-03 Synthesis of new ribonucleoside 3, 5 cyclic phosphates
- RO1CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- RO1CA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)
- ** PO2CA-13943-02 0013 Clinical pharmacology immunology cancer research center - Purine metabolism in human and animal tumor cells
- PO2CA-13943-02 0015 Clinical pharmacology immunology cancer research center - Methylmercapto and methylselenopurine analogues on purine metabolism (mammals)
- ** PO2CA-13943-02 0056 Clinical pharmacology immunology cancer research center - Purine metabolism in human and animal tumor cells
- RO1CA-14078-02 Development of new anticancer agents (mice, rats)
- RO1CA-14511-02 Photosynthesis of antiviral and antitumor drugs
- RO1CA-14780-02 Transport by membrane vesicles of cultured tumor cells
- ** RO1CA-15274-01 Mechanism of oncogenesis by purine derivatives
- RO1CA-15898-01 Cytotoxic agents affecting cell membrane biogenesis
- RO1DE-03348-03 Altered RNA metabolism on salivary glands
- RO1ES-01009-02 Mechanism of azide mutagenesis (bacteria, yeast)
- RO1GM-08347-14 Function of molybdenum in biological systems
- ** RO1GM-13939-09 coli Purine-pyrimidine crystalline complexes (E. coli)
- RO1GM-18924-03 Mutants of mammalian cell lines
- RO1GM-19362-06 Biological importance of pyrimidine photohydrates
- ** PO1GM-19527-03 0003 Human genetics - Genetic regulation of mammalian purine metabolism
- RO1GM-20032-03 Selected solid state spectral studies
- PO1HD-05671-03 0036 Center for population research - Molecular events associated with steroid action (rats)
- RO1HL-16036-01 Physiology of acute states (dogs)
- PO1NS-04553-10 0005 Neuropharmacology and neurochemistry program research - Neuropharmacology of psychotropic agents and biochemical effects (animals)
- MO1RR-00051-13 0075 General clinical research center - Excretion of methylated purine as indices of neoplasm (human)
- ** MO1RR-00088-11 0037 General clinical research center - Absorption of nucleotides and purine bases (human)
- MO1RR-00318-08 0027 General clinical research center - Leukocyte purine metabolism in hyperuricemia (human)

PURINES, ADENINE

SEE ALSO PURINES ANALOGS, ADENINE ANALOGS

- RO1AM-09134-09 Enzyme studies on vitamin B12 and its constituents (bacteria)
- RO1AM-12619-07 Active sugar transport in renal cells (rats, rabbits)
- RO1AM-14362-04 Regulation of purine metabolism in human cells
- RO1AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
- PI7AM-17026-01 0032 Vanderbilt University Diabetes-Endocrinology Center - Intracellular metabolism of cyclic AMP in liver

- RO1CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- RO1CA-11537-04 Molecular structure of biological interest compounds
- RO1CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- RO1CA-16347-01 Regulation of survival of ultraviolet-irradiated E. coli K-12
- RO1GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- RO1GM-19807-02 0001 Membrane permeability as a regulatory element - Glycolytic control (plants, fungi)
- RO1HD-01269-12 Control of metabolism in tetrahymena
- RO1HD-07194-01 Cellular mechanisms in ovulation and spawning (frogs, starfish)
- RO1HL-06950-13 Red cell metabolism (rats, rabbits)
- RO1HL-07449-12 0002 Formation and survival of red blood cells - Red cell preservation in artificial media and in alkaline GDP (human, rabbits)
- RO1HL-16931-01 Red cell storage and transfusion (rabbits)
- RO1NS-11205-01 Barbiturate complexation with mitochondrial coenzymes

PURINES, AMINOPURINES

- SEE ALSO PURINES, ADENINE
- SEE ALSO PURINES, OXYAMINOPURINES
- PO1CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
- RO1GM-21422-01 Error correction in replicating T4 bacteriophage

PURINES, GUANINE

SEE ALSO PURINES ANALOGS, GUANINE ANALOGS

- PO1AM-13173-10 0003 Malignant and genetic alterations in human cells - Structure-function relationships in transfer RNA (sheep)
- RO1AM-14145-05 Pharmacology of renal tubular excretory transport (chicken)
- RO1AM-17436-01 Regulation of transport in mammalian cells (Chinese hamsters)
- RO1CA-05295-14 0006 Chemical basis of nitrogen mustard activity - Nitrogen mustard effect on repair mechanisms in sensitive and resistant cells
- PO1CA-08748-09 5703 Research program of Sloan-Kettering Institute - Photochemistry of purine N-oxides in oncogenesis
- ** YO1CA-10005-00 Chemical profile of body fluids (human)
- RO1CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- RO1CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- RO1CA-13179-03 Role of altered nucleic acid in carcinogenesis (rats)
- PO1GM-14604-08 0010 Anaerobic bacteriological research program - Nucleic acids
- RO1GM-16966-05 Crystal structure of compounds related to DNA
- ** RO1GM-20486-02 Regulation of purine utilization in bacteria
- ** RO1HL-15002-03 Biochemical pharmacology of guanyl cyclase in lung (cattle)

PURINES, HYPOXANTHINE

- RO1AM-13020-06 Drug and hormone effects on renal transport (human, rabbits, guinea pigs)
- RO1AM-14145-05 Pharmacology of renal tubular excretory transport (chicken)
- RO1AM-17436-01 Regulation of transport in mammalian cells (Chinese hamsters)
- RO1CA-02924-18 Synthesis and testing of metabolic analogs (protozoa)
- RO1CA-07340-11 0003 Coenzymes containing purine and pyrimidine analogs - Human enzymes and purine metabolism
- PO1CA-08748-09 5801 Research program of Sloan-Kettering Institute - Normal and deranged purine intermediary metabolism (human, monkeys, rats)
- PO1CA-13038-03 0040 Experimental therapeutics and cancer drug program - Reversal of methotrexate toxicity in normal mice
- PO1GM-17702-05 0008 Human biochemical genetics - Biochemistry of mammalian intracellular nucleases (human)
- ** RO1GM-20486-02 Regulation of purine utilization in bacteria
- PI7HL-14217-04 0012 Specialized center of research in thrombosis - Behavior of adenine nucleotides during platelet release reaction

PURINES, METHYLPURINES

- SEE ALSO PURINES, XANTHINES, CAFFEINE
- SEE ALSO PURINES, XANTHINES, THEOPHYLLINE
- RO1CA-08390-09 Regulation of glutamine synthetase (bacteria)
- RO1CA-10586-07 tRNA methylases in normal and neoplastic tissue
- RO1CA-11537-04 Molecular structure of biological interest compounds
- RO1HD-07194-01 Cellular mechanisms in ovulation and spawning (frogs, starfish)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PURINES, OXYAMINOPURINES

SEE ALSO PURINES, GUANINE

- PO1CA-08748-09 7207 Research program of Sloan-Kettering Institute - Effect of purine analogs on 6-MP-resistant and sensitive cell lines (human, mice)

PURINES, OXYPURINES

SEE ALSO PURINES, HYPOXANTHINE

SEE ALSO PURINES, OXYAMINOPURINES

SEE ALSO PURINES, URIC ACID

SEE ALSO PURINES, XANTHINES

- RO1AM-13020-06 Drug and hormone effects on renal transport (human, rabbits, guinea pigs)
- RO1CA-08390-09 Regulation of glutamine synthetase (bacteria)
- ** PO1CA-08748-09 5403 Research program of Sloan-Kettering Institute - Oncogenic effect and structure of purine N-oxides (rats)
- PO1CA-08748-09 5412 Research program of Sloan-Kettering Institute - Effect of immunological status on purine N-oxide carcinogenesis in rats
- PO1CA-08748-09 5703 Research program of Sloan-Kettering Institute - Photochemistry of purine N-oxides in oncogenesis
- ** RO1CA-11537-04 Molecular structure of biological interest compounds
- RO1HD-04072-06 Placental and fetal RNA metabolism (rats)

PURINES, URIC ACID

SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT

SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, HYPERURICEMIA

- RO1AM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
- PO2AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- RO1AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- ** RO1AM-12872-06 Micropuncture study of urate transport in kidney (rats)
- ** RO1AM-13023-06 A physical approach to stone formation
- ** RO1AM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
- ** RO1AM-14528-05 Inborn errors of metabolism in cell culture (human)
- ** RO1AM-14991-03 The excretion of uric acid (birds)
- RO1AM-15162-03 Factors affecting renal lithium elimination (human, rats)
- PO1AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- ** RO1AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- ** RO1AM-15846-03 Hydroxamate complexes and urate salts (bacteria)
- PO1AM-16281-02 0004 Uremia-pathogenesis, effects, and possible prevention - Excretion pattern for solutes other than sodium (dogs)
- ** RO1AM-17054-01 Sodium urate nucleation (human)
- P11GM-15759-08 0029 Clinical pharmacology in rheumatic and muscular diseases - Effects of drugs on urate binding to plasma proteins (human)
- P11GM-15759-08 0033 Clinical pharmacology in rheumatic and muscular diseases - New uricosuric drugs (human)
- ** RO1GM-19241-03 Developmental genetics of the dog
- RO1GM-20131-02 Microcalorimetry for clinical chemistry
- PO1GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
- PO1HL-09814-09 0020 Research program - Cardiovascular and related disease - Correlation between genes and indicators of health and disease in Tomcush
- PO1HL-09814-09 0024 Research program - Cardiovascular and related disease - Changes in physiological variables and development of chronic disease (human)
- RO1HL-10185-08 Regulation of renal medullary circulation (rodents, dogs)
- RO1HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- P17HL-14164-04 0006 Arteriosclerosis research center - Animal model development (monkeys)
- ** P18HL-15170-03 0019 Comprehensive sickle cell disease center - Renal handling of uric acid (human)
- PO1NS-06229-09 0001 Cerebrovascular diseases program - Clinical evaluation of population sample with symptoms suggestive of TIA
- ** MO1RR-00030-13 0069 General clinical research center - Effect of drugs on renal handling of uric acid (human)
- MO1RR-00030-13 0092 General clinical research center - Relationship of uric acid and Na transport in gout (human)
- ** MO1RR-00040-14 0078 General clinical research center - Relationship of fructose to uric acid and ammonia metabolism (human)
- ** MO1RR-00056-13 0069 General Clinical Research Center - Serum uric acid levels in cirrhosis (human)
- ** MO1RR-00229-09 0060 General clinical research center - Renal handling of uric acid in malignant disease (human)
- ** MO1RR-00261-09 0086 General clinical research center - Uric acid metabolism and central nervous system dysfunction (human)

- MO1RR-00262-09 0008 General clinical research center - Nucleic acid metabolism in surgical patients
- ** MO1RR-00318-08 0071 General clinical research center - Renal handling of uric acid in health and disease (human)
- ** MO1RR-00827-01 0034 General clinical research center - Enzyme replacement therapy through extracorporeal circulation (chickens)

PURINES, XANTHINES

SEE ALSO PURINES ANALOGS, XANTHINES ANALOGS

- RO1AM-02109-17 Purine and pteridine metabolism in microorganisms
- ** RO1AM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
- RO1AM-14145-05 Pharmacology of renal tubular excretory transport (chicken)
- RO1CA-02790-19 Biosynthesis of purines (bacteria)
- PO1CA-12227-04 0024 Core program in carcinogenesis - Reduction of nitrate to nitrite in rat tissues
- RO1HD-05384-03 Nutritional aspects of purine metabolism (rats)
- PO1HD-06276-03 0054 Mental retardation research program - CSF transport of metabolic end products from brain (cats)
- RO1HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- RO1NS-03321-13 Electrolytes in nerve and muscle function (frogs)
- RO1NS-05716-10 Cyclic 3,5-AMP in action of neurohormones (rabbits, guinea pigs)

PURINES, XANTHINES, AMINOPHYLLINE

- P11GM-15956-07 0049 Factors affecting the responses to drugs - Blood levels of aminophylline and theophylline and airway resistance (human)
- RO1HL-14733-02 Artificial heart and related problems (cattle)
- RO1HL-16179-01 Action of vascular and other smooth muscle inhibitors
- MO1RR-00037-14 0085 General clinical research center - Control of glucagon secretion in man
- MO1RR-00425-06 0038 General clinical research center - Glomerular-tubular balance for bicarbonate in man

PURINES, XANTHINES, CAFFEINE

- PO1AM-08445-10 0020 Biology of skin of man and other primates - Hormone effects on melanoma cells (mice)
- RO1AM-15988-03 Regulation of adipose tissue metabolism (rats)
- RO1AM-16153-03 Mechanism of termination of calcium mediated secretion (cows)
- RO1AM-17081-01 CAQ2 release from sarcoplasmic reticulum (frogs)
- RO1CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- ** R26CA-14927-02 Environmental bladder carcinogens (human)
- RO1CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
- RO1CA-15189-01 DNA repair and carcinogenesis (rodents)
- RO1DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- PO1GM-12527-10 0006 Anesthetic and related drugs - Biostatistics (human)
- PO1GM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue
- P11GM-15477-08 0126 Drug metabolism and biochemical pharmacology - Coadministration of noncytotoxic agent and cytotoxic drug (cell culture)
- P11GM-16216-06 0039 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism in the newborn - N-demethylation (human)
- P11GM-16216-06 0053 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology - Active agents other than ethical drugs (human)
- MO1GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- PO1HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)
- PO1HL-10539-09 0037 Pathophysiology of circulation - Electro-mechanical activity of isolated heart muscle (rats, guinea pigs)
- ** PO1HL-10539-09 0038 Pathophysiology of circulation - Action of caffeine (rat)
- RO1HL-10626-06 Adrenergic responses of the splanchnic circulation (dogs)
- RO1HL-15645-02 Fluorescence and excitation-contraction in heart (rabbits)
- RO1HL-16573-01 Prevention of sudden coronary death (human)
- ** RO1HL-17706-01 Psychosocial hypertension catecholamines and drugs (mice)
- RO1NS-03728-11 Generation and role of bioelectric activity (animals)
- RO1NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- RO1NS-08384-06 Excitation-contraction coupling in striated muscle (frogs, barnacles)

- PO1NS-11766-01 0013 Clinical research center for neuromuscular disease - Pathophysiology of dystrophic muscle (human)

- RO1NS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)

PURINES, XANTHINES, THEOPHYLLINE

SEE ALSO PHENYLALKOXYALKYLAMINES, DIMETHYDRINATE

SEE ALSO PURINES, XANTHINES, AMINOPHYLLINE

- R22AI-09029-06 0010 Cholera toxin and intestinal ion transport - Mechanism regulating active transport in rabbit ileum
- P15A-10391-03 Allergy disease center - Rhinitis investigations (human, guinea pigs)
- P15A-10400-04 Clinical and biochemical correlations in asthma (children)
- P15A-10405-04 Asthma clinical center (human, rats, rabbits)
- RO1AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
- RO1AM-05105-13 Measurement of protein hormones in plasma (human, rats, swine, dogs)
- RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- PO1AM-08445-10 0020 Biology of skin of man and other primates - Hormone effects on melanoma cells (mice)
- RO1AM-12722-06 Characterization of human isoenzymes (also animals)
- RO1AM-12782-07 Anabolic actions of adenylophosphaseal hormones (rats)
- RO1AM-13696-06 0007 Hormones and calcium absorption - Duodenal calcium transport
- RO1AM-14669-04 Intestinal electrolyte transport in disease (human, rabbits, guinea pigs, rats)
- RO1AM-15350-03 Mechanisms of intestinal secretion (rats, rabbits, guinea pigs)
- ** RO1AM-15788-03 Mechanism of action of antipolytic drugs (rats)
- RO1AM-15919-02 Starvation and regulation of protein degradation (rats)
- RO1AM-15926-02 Ion transport by gastrointestinal epithelia (rabbits, human)
- RO1AM-15986-03 0005 Cirrhosis, ascites and the hepatic circulation - Gastric back diffusion (dogs, frogs)
- RO1AM-15988-03 Regulation of adipose tissue metabolism (rats)
- RO1AM-16275-02 Ion transport by mammalian small intestine (rabbits)
- RO1AM-16539-02 Regulation of phosphate transport in toad bladder
- RO1AM-17179-01 Cyclic AMP in psoriasis
- PO1AM-17387-01 0001 Physiology and pathophysiology of kidney function - Control of renin release (dogs, rats)
- RO1AM-18104-01 Insulin mode of action in toad skins
- RO1CA-12563-04 Mechanisms of enzyme induction by cyclic nucleotides (rats)
- RO1CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- RO1CA-13112-03 Virus alterations of the immune response (mice, guinea pigs)
- RO1CA-15189-01 DNA repair and carcinogenesis (rodents)
- RO1DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
- RO1EY-01167-02 Studies in glaucoma and related diseases (human)
- P11GM-15431-08 0033 Research center for clinical pharmacology and drug toxicology - Renal pharmacology of diazoxide (dogs)
- P11GM-15559-07 0039 Clinical pharmacology - Pharmacokinetics and biopharmaceutics (human)
- P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- P11GM-15956-07 0049 Factors affecting the responses to drugs - Blood levels of aminophylline and theophylline and airway resistance (human)
- ** PO1GM-16496-06 0046 Clinical pharmacology - Pharmacokinetics - Theophylline dosing in asthmatics (human)
- PO1GM-16934-06 0017 Sulfonamides and carbonic anhydrase-Basis for therapy - Synergism of acetazolamide and theophylline on excretion of electrolytes (human)
- P11GM-20852-01 0004 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of theophylline and isoproterenol (human)
- RO1HD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
- ** RO1HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- RO1HD-07799-01 Effect of age on adipose tissue lipolysis (goats)
- RO1HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
- RO1HL-09932-09 Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs)
- PO1HL-11414-07 0023 Thrombosis and atherosclerosis program - Cyclic AMP system controlling myocardial function (hamster)
- P17HL-14179-04 0014 Center for the study of lung disease - Macrophages and phagocytosis - Drugs mediated by cyclic AMP

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01HL-14388-03 0020 Regulation of the circulation in pathological states - Therapeutic interventions in heart failure (human)
- P01HL-14780-02 0018 Mechanisms and treatment of cardiovascular diseases - Mechanisms of action of positive inotropic drugs (human, cats)
- P01HL-14780-02 0021 Mechanisms and treatment of cardiovascular diseases - Diuretics and related agents on cardiac contractility (human, cats)
- P01HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
- R01HL-15907-01 Steroid metabolism in patients with bronchial asthma (human)
- P01NS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)
- ** P01NS-10175-03 0018 Neuromuscular disease research center - Theophylline on normal and denervated muscle (rats)
- P01NS-10981-02 0015 Control of activity in excitable tissues - Effect of catecholamine and related agents on Na-ion transport in muscle (frogs)
- ** M01RR-00040-14 0095 General clinical research center - Pharmacokinetics of theophylline (human)
- ** M01RR-00051-13 0163 General clinical research center - Ca and P metabolism in asthma treated with theophylline and barbiturates
- ** M01RR-00828-01 0010 General clinical research center - Bioavailability of theophylline (human)
- PURINES ANALOGS**
SEE ALSO AZAPURINES
SEE ALSO HALOPURINES
SEE ALSO SELENOPURINES
SEE ALSO THIOPURINES
- R01AM-13660-04 0002 Pathology of biomedical disorders in vitro - Purine analog resistance in hyperuricemia and leukemia patients
- ** R01CA-02373-19 Nucleoside and nucleotide derivatives
- R01CA-05959-13 Genetic-cytochemical studies on haploid cells in culture (frogs)
- ** R01CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
- ** P01CA-08748-09 7213 Research program of Sloan-Kettering Institute - Synthesis of purine derivatives as antitumor agents
- ** P01CA-08748-09 7215 Research program of Sloan-Kettering Institute - Synthesis of purine-protein conjugates as antitumor agents
- ** P02CA-13943-02 0015 Clinical pharmacology immunology cancer research center - Methylmercapto and methylselenopurine analogues on purine metabolism (mammals)
- R01CA-15535-01 Specific inhibition of dihydrofolate reductase
- P01CA-15936-01 0003 Specialized Cancer Center - Early clinical trial (human)
- R10CA-15947-01 Eastern Cooperative Oncology Group
- PURINES ANALOGS, ADENINE ANALOGS**
- R01CA-15274-01 Mechanism of oncogenesis by purine derivatives
- R01GM-17172-05 NMR study of enzyme-substrate interactions (microorganisms, mammals)
- R01GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
- PURINES ANALOGS, GUANINE ANALOGS**
SEE ALSO AZAPURINES, 8-AZAGUANINE
SEE ALSO THIOPURINES, 6-THIOGUANINE
- P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
- P01CA-12227-04 0006 Core program in carcinogenesis - Carcinogenic process in the liver (rats, guinea pigs, mice)
- R01CA-15274-01 Mechanism of oncogenesis by purine derivatives
- P01ES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals
- PURINES ANALOGS, XANTHINES ANALOGS**
- ** P01CA-08748-09 5702 Research program of Sloan-Kettering Institute - Chemical studies of N-hydroxypurines
- P01CA-08748-09 5703 Research program of Sloan-Kettering Institute - Photochemistry of purine N-oxides in oncogenesis
- ** P01CA-08748-09 5704 Research program of Sloan-Kettering Institute - Metabolic studies of oncogenic purine derivatives (rats)
- ** P01CA-08748-09 5719 Research program of Sloan-Kettering Institute - Synthesis of new purine N-oxide derivatives
- ** P01CA-08748-09 5720 Research program of Sloan-Kettering Institute - Production of oncogenic purine N-oxides by ionizing radiation
- ** P01CA-08748-09 5736 Research program of Sloan-Kettering Institute - Mutagenesis by purine N-oxide derivatives (bacteria)
- P01CA-08748-09 6513 Research program of Sloan-Kettering Institute - Xanthine-3-N-oxide-induced rat liver disorders
- ** P01CA-08748-09 7409 Research program of Sloan-Kettering Institute - Mutagenesis by purine-N-oxide derivatives on *Bacillus subtilis* DNA
- ** P01CA-08748-09 7604 Research program of Sloan-Kettering Institute - Proliferation in rat liver induced by xanthine 3-N-oxide
- R01CA-15274-01 Mechanism of oncogenesis by purine derivatives
- P01GM-16496-06 0030 Clinical pharmacology - Pharmacokinetics - Cyclic AMP metabolism in leukocytes
- R01HD-00047-10 Control of cell differentiation in culture (chick embryo)
- ** R01NS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
- PURINES-PYRIMIDINES METABOLISM ERRORS**
SEE ALSO METABOLIC DISORDERS (INBORN), CHRONIC GRANULOMATOUS DISEASE (OF CHILDREN)
- ** R01AM-09406-11 0006 Genetic diseases - Pyrimidine metabolism
- R01AM-13622-06 Arthritis-Inherited metabolic and nutritional causes
- ** R01AM-13660-04 0002 Pathology of biomedical disorders in vitro - Purine analog resistance in hyperuricemia and leukemia patients
- P01GM-18153-04 0016 Gene control of mammalian cell differentiation - Genetic mapping (human, mice)
- ** P01GM-19527-03 0003 Human genetics - Genetic regulation of mammalian purine metabolism
- ** R01GM-20608-01 Genetic control of mammalian cell metabolism (human, hamsters)
- M01RR-00030-13 0069 General clinical research center - Effect of drugs on renal handling of uric acid (human)
- ** M01RR-00070-12 0016 General clinical research center - Enzymatic defects in the urea cycle (human)
- PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT**
SEE ALSO GLYCOSYLTRANSFERASES, RIBOSYLAMINE-5-PHOSPHATE-PYROPHOSPHATE PHOSPHORIBOSYLTRANSFERASE
SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, HYPERURICEMIA
- ** R01AM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
- P02AM-05577-13 0004 Clinical research unit in rheumatic diseases - Epidemiology of rheumatoid arthritis and related diseases (human)
- ** R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- R01AM-09232-09 Regulation of renal ammonia and glucose production (human, rats, dogs)
- ** R01AM-12413-07 Purine metabolism in gout (human, birds)
- R01AM-13622-06 Arthritis-Inherited metabolic and nutritional causes
- R01AM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
- ** R01AM-14059-15 Pathways of purine metabolism (human)
- ** P01AM-14526-05 0004 Biochemistry of connective tissue - Inflammation by microcrystals in synovial spaces (human, dogs)
- ** R01AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
- R01AM-15360-03 Regulation of HGPRTase levels in human cells (rabbits)
- R01AM-15818-03 Genetic enzyme variants uric acid and lipids (human)
- ** R01AM-15823-03 Renal transport of uric acid in gout (chickens)
- R01AM-16722-01 Genetic and chemical studies of enzyme variations (human, bacteria)
- R01AM-16726-02 Diet and purine metabolism in gout (human, rats)
- R01AM-17415-01 Regulation of supply of utilizable purines by liver (rabbits, rats *E. coli* K12)
- R01CA-15450-02 0002 Mutation in diploid human somatic cells - Direct 8-azaquinine resistant lymphocytes detection (human)
- P01GM-14231-09 0022 Natural history of heart, cancer, stroke in a population - Diabetes mellitus
- P11GM-15759-08 0032 Clinical pharmacology in rheumatic and muscular diseases - Uricosuric and lipid-lowering effect of MK-185 (human)
- P11GM-15759-08 0033 Clinical pharmacology in rheumatic and muscular diseases - New uricosuric drugs (human)
- P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
- ** P01HL-09814-09 0005 Research program - Cardiovascular and related disease - Rheumatoid arthritis (human)
- R01HL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, monkeys)
- ** M01RR-00030-13 0092 General clinical research center - Relationship of uric acid and Na transport in gout (human)
- M01RR-00040-14 0078 General clinical research center - Relationship of fructose to uric acid and ammonia metabolism (human)
- M01RR-00068-12 0051 General clinical research center - Musculoskeletal disorders in type IV hyperlipidemia (human)
- ** M01RR-00071-11 0004 General clinical research center - Purine metabolism and gouty arthritis (human)
- ** M01RR-00109-11 0020 General clinical research center - Abnormalities associated with gout (human)
- M01RR-00318-08 0071 General clinical research center - Renal handling of uric acid in health and disease (human)
- ** M01RR-00827-01 0008 General clinical research center - Genetic and metabolic factors in purine synthesis in man
- PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT DRUGS**
SEE ALSO DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS
- R01AM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
- R01AM-06818-13 Pharmacology of angiographic and cholegraphic agents (dogs, rats)
- ** R01AM-12413-07 Purine metabolism in gout (human, birds)
- R01AM-14059-15 Pathways of purine metabolism (human)
- R01AM-14362-04 Regulation of purine metabolism in human cells
- R01AM-17054-01 Sodium urate nucleation (human)
- ** P11GM-15759-08 0029 Clinical pharmacology in rheumatic and muscular diseases - Effects of drugs on urate binding to plasma proteins (human)
- ** P11GM-15759-08 0030 Clinical pharmacology in rheumatic and muscular diseases - Relationship between renal function and responsiveness to uricosuric drugs
- ** P11GM-15759-08 0031 Clinical pharmacology in rheumatic and muscular diseases - Osmate inhibition of uricase in rats-Experimental model for gouty nephropathy
- ** P11GM-15759-08 0032 Clinical pharmacology in rheumatic and muscular diseases - Uricosuric and lipid-lowering effect of MK-185 (human)
- ** P11GM-15759-08 0033 Clinical pharmacology in rheumatic and muscular diseases - New uricosuric drugs (human)
- P11GM-16216-06 0005 Toxicological problems of drugs (placental transfer, lactation) - Uricosuric agents (human)
- R01HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- ** M01RR-00030-13 0042 General clinical research center - Allopurinol therapy in gout (human)
- M01RR-00039-14 0043 General clinical research center - Allopurinol and probenecid (human)
- ** M01RR-00051-13 0091 General clinical research center - Suppression of uric acid production by azathioprine (human)
- M01RR-00071-11 0004 General clinical research center - Purine metabolism and gouty arthritis (human)
- ** M01RR-00071-11 0063 General clinical research center - Evaluation of halofenate (human, dogs)
- M01RR-00645-03 0049 Clinical research center - Effect of allopurinol on sedative and anesthetic drugs (human)
- M01RR-00827-01 0008 General clinical research center - Genetic and metabolic factors in purine synthesis in man
- M01RR-00827-01 0033 General clinical research center - Effect of serum urate concentration on fibrinogen peptide production (human)
- ** M01RR-00828-01 0018 General clinical research center - Colchicine metabolism in gout (human)
- PURINES-PYRIMIDINES METABOLISM ERRORS, HYPERURICEMIA**
SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT
SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, LESCH-NYHAN SYNDROME
- R01AM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
- P02AM-05577-13 0004 Clinical research unit in rheumatic diseases - Epidemiology of rheumatoid arthritis and related diseases (human)
- ** P02AM-05630-12 0001 Metabolic unit for the Department of Medicine - Control of urate secretion in hypertension (human)
- ** R01AM-12413-07 Purine metabolism in gout (human, birds)
- R01AM-13488-06 Regulation and mechanism of PRPP synthetase (bacteria)
- ** R01AM-13660-04 Pathology of biomedical disorders in vitro
- ** R01AM-13660-04 0002 Pathology of biomedical disorders in vitro - Purine analog resistance in hyperuricemia and leukemia patients
- R01AM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
- ** R01AM-14059-15 Pathways of purine metabolism (human)
- R01AM-14362-04 Regulation of purine metabolism in human cells
- ** R01AM-14528-05 Inborn errors of metabolism in cell culture (human)
- P01AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- ** R01AM-15823-03 Renal transport of uric acid in gout (chickens)
- ** R01AM-17054-01 Sodium urate nucleation (human)
- R01ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1GM-16496-06 0037 Clinical pharmacology-Pharmacokinetics - Pharmacogenetics of allopurinol and related pyrazolo pyrimidines
- ** RO1HD-04608-06 Amino acid interrelations in human metabolic disease
- P17HL-14138-04 0011 Center for research on atherosclerosis - Application of angiography for assessing atherosclerosis (human)
- ** P17HL-14164-04 0006 Arteriosclerosis research center - Animal model development (monkeys)
- RO1HL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, monkeys)
- MO1RR-00030-13 0069 General clinical research center - Effect of drugs on renal handling of uric acid (human)
- MO1RR-00040-14 0078 General clinical research center - Relationship of fructose to uric acid and ammonia metabolism (human)
- ** MO1RR-00051-13 0061 General clinical research center - Hyperuricemia and neurologic deficits (human)
- MO1RR-00068-12 0051 General clinical research center - Musculoskeletal disorders in type IV hyperlipidemia (human)
- MO1RR-00071-11 0004 General clinical research center - Purine metabolism and gouty arthritis (human)
- MO1RR-00086-12 0002 General clinical research center - children - Portacaval anastomosis in glycogen storage disease (GSD), type I
- ** MO1RR-00096-14 0032 Clinical research center - Congenital hyperuricemia (human)
- ** MO1RR-00318-08 0027 General clinical research center - Leukocyte purine metabolism in hyperuricemia (human)
- ** MO1RR-00827-01 0008 General clinical research center - Genetic and metabolic factors in purine synthesis in man
- MO1RR-00827-01 0016 General clinical research center - Investigation of inborn errors of metabolism using C13 (human)
- ** MO1RR-00827-01 0033 General clinical research center - Effect of serum urate concentration on fibrinogen peptide production (human)
- MO1RR-00827-01 0034 General clinical research center - Enzyme replacement therapy through extracorporeal circulation (chickens)

PURINES-PYRIMIDINES METABOLISM ERRORS, LESCH-NYHAN SYNDROME

SEE ALSO GLYCOSYLTRANSFERASES, IMP-PYROPHOSPHATE PHOSPHORIBOSYLTRANSFERASE

- RO1AM-12413-07 Purine metabolism in gout (human, birds)
- RO1AM-12579-05 Tissue culture study of inborn metabolic errors (human)
- RO1AM-13622-06 Arthritis-inherited metabolic and nutritional causes
- RO1AM-14362-04 Regulation of purine metabolism in human cells
- ** RO1AM-14528-05 Inborn errors of metabolism in cell culture (human)
- RO1AM-15262-04 Purine metabolism in genetic disease and leukemia (human, mice)
- RO1AM-15360-03 Regulation of HGPRTase levels in human cells (rabbits)
- RO1AM-16722-01 Genetic and chemical studies of enzyme variations (human, bacteria)
- RO1AM-17415-01 Regulation of supply of utilizable purines by liver (rabbits, rats E coli K12)
- ** PO1CA-08748-09 5801 Research program of Sloan-Kettering Institute - Normal and deranged purine intermediary metabolism (human, monkeys, rats)
- PO1CA-10815-06 0059 Consolidated basic cancer research program - Genetic linkage between oncoma viruses and mammalian chromosomes (human, mice)
- RO1CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
- RO1CA-15450-02 0002 Mutation in diploid human somatic cells - Direct 8-azaquinine resistant lymphocytes detection (human)
- RO1GM-06983-15 Genetic studies with cultivated mammalian cells (human, mice)
- ** PO1GM-15253-08 0014 Genetics in medicine-Gene action in man - Genetic variants in study of macromolecular uptake
- PO1GM-15253-08 0016 Genetics in medicine-Gene action in man - Genetic recombination in cell culture (mice, human)
- ** PO1GM-15253-08 0023 Genetics in medicine-Gene action in man - Hair follicle
- PO1GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- ** PO1GM-17702-05 0001 Human biochemical genetics - Genetic defects on purine and amino acid metabolism (human)
- ** PO1GM-17702-05 0002 Human biochemical genetics - Biochemical basis of genetic diseases
- PO1GM-18153-04 0009 Gene control of mammalian cell differentiation - Somatic cell hybridization (mice, human)
- RO1GM-18924-03 Mutants of mammalian cell lines
- ** PO1GM-19100-03 0012 Genetics research center - Attempts to correct genetic defects in somatic cells (human, mice)
- PO1GM-19100-03 0027 Genetics research center - Somatic cell genetics (mice, hamsters, chickens, human)

- ** PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- ** RO1GM-19605-02 Generalized and specialized transduction of E coli genes (human)
- PO1HD-02274-08 0142 Mental retardation and child development - Metabolic disorders of genetic origin (human)
- ** PO1HD-03015-08 0006 Program for developmental biology - Developmental genetics (human)
- ** RO1HD-04526-05 Inborn errors of metabolism (human)
- ** RO1HD-04608-06 Amino acid interrelations in human metabolic disease
- PO1HD-04807-05 0003 Genetic and cytogenetic studies of mental retardation - Uptake and expression of bacterial, viral DNA by mammalian cells (human, rodents)
- RO1HD-05465-04 0010 Genetic studies of human somatic cells - Somatic cell hybridization (human, mice)
- RO1HD-05465-04 0011 Genetic studies of human somatic cells - Contact-feeding and mutagenesis (human)
- RO1HL-15125-02 Molecular pathology of genetic disorders in man
- ** MO1RR-00030-13 0034 General clinical research center - Metabolism in Lesch-Nyhan syndrome (human)
- ** MO1RR-00096-14 0031 Clinical research center - Dietary therapy of maple syrup urine disease (human)
- ** MO1RR-00096-14 0032 Clinical research center - Congenital hyperuricemia (human)
- ** MO1RR-00827-01 0032 General clinical research center - Therapy of inborn errors of metabolism by enzyme replacement

PURINES-PYRIMIDINES METABOLISM ERRORS, OROTICACIDURIA

- ** RO1AM-09406-11 0006 Genetic diseases - Pyrimidine metabolism
- RO1AM-14362-04 Regulation of purine metabolism in human cells
- ** PO1GM-19513-03 0002 Human genetics - New biochemical tools in genetic diagnosis
- R2ARR-00612-05 Resource-related research-computer and chemistry

PURKINJE CELLS, CEREBELLAR

SEE BRAIN, CEREBELLAR CORTEX, PURKINJE CELLS

PURKINJE FIBERS

SEE HEART, CONDUCTION SYSTEM, PURKINJE FIBERS

PUROMYCIN

SEE ANTIBIOTICS, PUROMYCIN

PURPURA

SEE BLOOD AND RE DISORDERS, HEMORRHAGIC DISORDERS, PURPURA

PURPURA, FIBRINOLYTIC

SEE BLOOD COAGULATION DISORDERS, AFIBRINOGENEMIA

PURPURA HEMORRHAGICA

SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPENIC PURPURA

PUTRESCINE

SEE AMINES, PUTRESCINE

PVP

SEE PLASTICS, PVP

PYEOGRAPHY

SEE KIDNEY VISUALIZATION, PYEOGRAPHY*

PYELONEPHRITIS

SEE KIDNEY DISORDERS, PYELONEPHRITIS

PYLORIC DISORDERS

SEE GASTROINTESTINAL DISORDERS, PYLORIC REGION DISORDERS

PYLORIC REGION

SEE GASTROINTESTINAL SYSTEM, STOMACH, PYLORIC REGION

PYLORIC STENOSIS

SEE GASTROINTESTINAL DISORDERS, PYLORIC REGION DISORDERS

PYRAMIDAL CELLS

SEE BRAIN, CEREBRAL PYRAMIDAL CELLS

PYRAMIDAL TRACTS

SEE NERVOUS SYSTEM CENTRAL, PYRAMIDAL TRACTS

PYRAMIDON (AMINOPYRINE)

SEE PYRAZOLONES, ANTIPYRINES

PYRAN COPOLYMER

SEE OXOLES, PYRAN COPOLYMER

PYRANS

SEE OXINS, PYRANS

PYRAZINAMIDES

- RO1AI-06578-10 Therapy of isoniazid resistant mycobacterioses (human)
- RO1HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- MO1RR-00318-08 0071 General clinical research center - Renal handling of uric acid in health and disease (human)

PYRAZINES

- SEE ALSO BENZODIAZINES, PHENAZINES
SEE ALSO BENZODIAZINES, QUINOXALINES
SEE ALSO FLAVINS
SEE ALSO PTERIDINES
SEE ALSO TRIAZINES
- RO1CA-08495-09 Fused heterocycles as potential anticancer agents
- RO1CA-11778-05 Chemistry of folate and pteridine coenzymes
- RO1CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
- RO1GM-15425-07 Medicinal photochemistry-Synthesis and reactions

PYRAZOLES

- SEE ALSO DIAZOLODAZINES, PYRAZOLOPYRIMIDINES
SEE ALSO THIAZAZOLES
- RO1AA-00263-04 Aldehyde metabolism and ethanol addiction (rabbits, mice, rats)
- ** RO1AA-00323-03 Prevention of adverse metabolic effects of alcohol
- RO1AA-01066-01 Physical dependence on alcohol (mice)
- RO1AM-13393-06 Mechanism and prevention of ethanol-induced cell injury (dogs, rats)
- RO1CA-10742-06 The chemistry of N-dihydropyrazoles
- ** RO1CA-11537-04 Molecular structure of biological interest compounds
- PO1ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
- PO1GM-16492-06 0001 Design of chemotherapeutic agents - Design of anti-schistosomal compounds (mice)

PYRAZOLIDINEDIONES, SULFINPYRAZONE

- ** NO1HB-42977-01 Clinical trials of sulfapyrazone (human)
- ** NO1HB-42978-01 Clinical trials of sulfapyrazone and low dose heparin (human)
- RO1HL-16523-01 Platelets survival and inhibitors in thromboembolism (human)
- MO1RR-00051-13 0125 General clinical research center - Coagulation in primary pulmonary hypertension (human)
- MO1RR-00051-13 0145 General clinical research center - Platelet function in heart valvular prosthesis (human)

PYRAZOLONES

- PO1GM-16492-06 0001 Design of chemotherapeutic agents - Design of anti-schistosomal compounds (mice)
- RO1NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)

PYRAZOLONES, ANTIPYRINES

- PO1AM-16281-02 0017 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum in man
- PO2CA-05831-13 0027 Cancer clinical research - Pharmacology of new cancer chemotherapy agents
- PO2CA-12924-03 0026 Tufts cancer research center - Cyclophosphamide activating enzymes
- RO1CA-15980-01 Treatment of malignant disease of brain (monkeys)
- PO1ES-00597-04 0005 Food-borne environmental toxicants - In-vivo alkylation of environmental agents (rats)
- P11GM-15431-08 0043 Research center for clinical pharmacology and drug toxicology - The influence of hepatic blood flow on drug disposition (rats, monkeys, human)
- P11GM-15477-08 0004 Drug metabolism and biochemical pharmacology - Blood and urine levels as indices of the rate of drug metabolism (human)
- P11GM-15477-08 0028 Drug metabolism and biochemical pharmacology - Effect of hemorrhage on the rate of hemobarbital biotransformation (dogs)
- P11GM-15559-07 0034 Clinical pharmacology - Biochemistry of multiple drug therapy (rats)
- P11GM-15956-07 0026 Factors affecting the responses to drugs - Placenta transfer of diphenhydantoin (goats)
- P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- ** P11GM-15956-07 0047 Factors affecting the responses to drugs - Effect of malignancy on antipyrine metabolism in man
- P11GM-16216-06 0045 Toxicological problems of drugs (placental transfer, lactation) - Epoxide formation as a mechanism of drug toxicity (mammals)
- PO1GM-16496-06 0020 Clinical pharmacology-Pharmacokinetics - Gastrointestinal absorption studies (primates)
- PO1GM-16496-06 0036 Clinical pharmacology-Pharmacokinetics - Drug metabolizing enzymes in liver (rats, human)
- PO1GM-16496-06 0043 Clinical pharmacology-Pharmacokinetics - Disease and drug disposition (human, mammals subhuman)
- RO1HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
- RO1HD-05111-04 Production and excretion of urea in prenatal life (sheep)
- RO1HD-06611-03 Therapeutic usage of drugs in infants and children
- NO1HD-32719-02 Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs)

(contd)

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**Oriented significantly to above subject.

Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIHM-21327-03 Psychopharmacologic agents and drug metabolism
- POINS-07366-07 0007 Head injury clinical center research program - Regional cerebral blood flow in the rat
- ** MOIRR-00047-14 0106 General clinical research center - Influence of drugs and hormones and metabolism in children
- MOIRR-00828-01 0008 General clinical research center - Pharmacokinetics of drugs in abnormal levels of plasma proteins (human)

PYRAZOLONES, PHENYLBUTAZONE

- ROIAM-09651-04 Leukocyte chemotaxis (human, rodents)
- ROIAM-15436-02 Vascular factor in acute gastric mucosal lesions (rats)
- ROIAM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
- POIAM-16281-02 0017 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum in man
- ROIAM-16830-01 Renal cryopreservation (dogs)
- ROIAM-17315-01 Conductance pathways in acute gastroduodenal injury (Nocturus)
- ROIAM-10448-17 NMR spectroscopy of biologically important compounds (human)
- PIIGM-15759-08 0017 Clinical pharmacology in rheumatic and muscular diseases - Clinical and laboratory study of gold preparations (human, rats)
- PIIGM-15759-08 0018 Clinical pharmacology in rheumatic and muscular diseases - Effect of anti-inflammatory agents on acute and chronic inflammation in patients
- PIIGM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
- PIIGM-15956-07 0014 Factors affecting the responses to drugs - Hypersensitivity and drug effects (mice)
- PIIGM-20852-01 0006 Clinical pharmacokinetics and biopharmaceutics - Kinetics of drug action-Anticoagulants (rats, human)
- MOIHD-32719-02 Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs)
- ROIHM-21133-03 Plasma levels of imipramine and clinical outcome (human)
- ROIHM-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- ROINS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
- MOIRR-00051-13 0059 General clinical research center - Multiple parameters for measuring joint inflammation (human)
- MOIRR-00071-11 0004 General clinical research center - Purine metabolism and gouty arthritis (human)
- MOIRR-00847-01 0008 Clinical research centers - Steroid therapy in man

PYRAZOLOPYRIMIDINES

SEE DIAZOLIDAZINES, PYRAZOLOPYRIMIDINES

1H-PYRAZOLO(3,4-D)PYRIMIDIN-4-OL

SEE DIAZOLIDAZINES, PYRAZOLOPYRIMIDINES, ALLOPURINOL

PYRENES

SEE CYCLICS, CARBOPOLYCYCLICS, PYRENES

PYRETHRINS

SEE PESTICIDES, INSECTICIDES, PLANT POISONS, PYRETHRINS

PYRIDAZINES

SEE ALSO BENZODIAZINES

SEE ALSO TRIAZINES

ROIKA-13120-03 Maleimide derivatives as cancer chemotherapeutics

ROIAM-12592-10 Photoprocesses in the organic solid state

PYRIDINAMIDES, NICOTINAMIDE

- ** ROIKA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- ROIKA-15189-01 DNA repair and carcinogenesis (rodents)
- ROIAM-10848-17 NMR spectroscopy of biologically important compounds (human)
- ROIAM-13641-09 Oxidative phosphorylation (cattle)
- ROIAM-17172-05 NMR study of enzyme-substrate interactions (microorganisms, mammals)
- ROIHD-00400-12 Mechanisms of action of chemical teratogens (rats)
- POIHD-05221-05 0029 Center grant in mental retardation - Pathologic embryology (rats, monkeys)
- ROIHD-07209-01 Control of development of limb mesodermal cells
- POINS-11131-01 0003 Extrapyrmidal and related behavioral disorders - Inhibitors of protein synthesis and cerebral actions of levodopa (mice)
- MOIRR-00037-14 0071 General clinical research center - Islet cell hyperfunction (human)
- PYRIDINAMIDES, NICOTINAMIDE, 6-AMINO-**
- ROIHD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
- ROIHD-06550-03 Mechanisms underlying experimental teratogenesis (mice)

PYRIDINAMIDES, NICOTINAMIDE, ETHIONAMIDE

ROIAM-08190-07 Modes of action of antimycobacterial agents

PYRIDINAMIDES, NICOTINAMIDE, NIKETHAMIDE

ROINS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, molluscs)

PYRIDINE CARBOXYLIC ACIDS, ARECOLINE

ROIAM-10588-03 Epidemiology of echinococcosis (carnivores, ungulates)

ROINS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)

PYRIDINE CARBOXYLIC ACIDS, DIPICOLINIC ACID

ROIAM-20606-01 Morphogenesis of bacterial spores (B cereus, B subtilis)

PYRIDINE CARBOXYLIC ACIDS, ISONICOTINIC ACID

SEE ALSO AZO COMPOUNDS, HYDRAZINES, IPRONIAZID

SEE ALSO AZO COMPOUNDS, HYDRAZINES, ISONIAZID

MOIRR-00425-06 0052 General clinical research center - Vasoactive amine metabolism and immunologic change after renal transplant (human)

PYRIDINE CARBOXYLIC ACIDS, NICOTINIC ACID

SEE ALSO PYRIDINE CARBOXYLIC ACIDS, ARECOLINE

ROIAM-06850-12 Nutritional needs as influenced by genetic variation (chickens)

- ** ROIAM-08546-10 Ketogenesis in the ruminant (cattle, goats)
- ROIAM-15480-03 Tryptophan metabolism in pellagra (human)
- ROIAM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
- ROIKA-08290-09 Chemotherapeutic deoxynucleosides and other agents
- POIGM-10402-12 0022 Zoophysiology in Alaska - Free fatty acid in acute cold exposure (human)
- ROIAM-20992-01 Phosphorus analogues of biologically active pyridines
- ROIHL-07449-12 0003 Formation and survival of red blood cells - Red cell metabolism
- ROIHL-08888-10 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-08891-10 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10233-09 Cooperative study of drugs and coronary heart disease (human)
- ROIHL-10353-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10441-09 Cooperative study of drugs and coronary heart disease (men)
- ** ROIHL-10444-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10446-09 Cooperative study of drugs and coronary heart disease (men)
- ** ROIHL-10515-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10541-09 Cooperative study of drugs and coronary heart disease (men)
- ** ROIHL-10696-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10697-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10696-09 Cooperative study of drugs and coronary heart disease (men)
- ** ROIHL-10700-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10703-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10705-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10707-09 Cooperative study of drugs and coronary heart disease (men)
- ** ROIHL-10709-09 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-10710-09 Cooperative study of drugs and coronary heart disease (men)
- ** ROIHL-11038-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-11039-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-11040-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-11063-08 Cooperative study of drugs and coronary heart disease (men)
- ** ROIHL-11115-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-11116-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-11312-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-11322-08 Cooperative study of drugs and coronary heart disease (men)
- ROIHL-11369-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11370-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11372-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11373-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11374-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11375-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11376-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11377-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11378-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11379-08 Cooperative study of drugs and coronary heart disease (men)

** ROIHL-11377-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11380-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11458-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11655-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11657-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11660-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11661-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11663-08 Cooperative study of drugs and coronary heart disease (men)

ROIHL-11898-07 Cooperative study of drugs and coronary heart disease

** ROIHL-11901-07 0006 Ileal bypass effect on cholesterol and atherosclerosis - Drug therapy with ileal bypass (rabbits)

PI7HL-14236-04 0009 Prevention of premature arteriosclerosis - Clinical studies on cholesterol metabolism (human)

ROIHL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, menhens)

ROIHL-15374-03 Cooperative study of drugs and coronary heart disease (human)

ROIHL-16544-01 Control of lipoprotein synthesis (swine)

ROIHL-16587-01 Drug effects on coronary atherosclerosis (monkeys)

ROIHM-05202-13 Comprehensive clinical studies of psychoactive drugs (human)

ROIHM-16128-06 Early clinical drug evaluation unit

ROINS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)

ROINS-08059-07 Cyclic phosphodiesterase of central nervous system (human, ferret)

ROINS-09570-10 Blood flow changes in otic and nasal tissue (human, dogs)

ROINS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)

MOIRR-00828-01 0009 General clinical research center - Correlation blood levels of hypolipidemic drugs and pharmacologic effect (human)

ROIHL-16587-01 Drug effects on coronary atherosclerosis (monkeys)

ROIHL-16587-01 Drug effects on coronary atherosclerosis (monkeys)

ROIHL-16587-01 Drug effects on coronary atherosclerosis (monkeys)

ROIHL-16587-01 Drug effects on coronary atherosclerosis (monkeys)

ROIHL-16587-01 Drug effects on coronary atherosclerosis (monkeys)

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ROIHL-16587-01 Drug effects on coronary atherosclerosis (monkeys)

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- RO1CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
- RO1DE-01523-13 Metabolic pathways in bone (mice)
- RO1GM-15924-07 Structure-function studies on microsomal membrane (rabbits, cattle)
- RO1GM-19837-02 Coordination of intracellular activities (rats)
- RO1GM-20294-01 Dehydrogenase structure and function (rabbit, yeast, lobster)
- RO1HL-13619-05 0002 Microsomal electron transport - Extra hepatic electron transport (pigs)
- ** RO1HL-14641-09 Phosphate metabolism in transport (human)
- ** RO1NS-08157-06 Pentose phosphate pathway in neural tissue (rabbits, mice)
- PO1NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
- RO1OH-00315-11 Biochemical and physiologic response to toxic stress (rats)

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES

- RO1HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

- SEE ALSO NAD LINKED ENZYMES
- RO1AA-00289-04 Effects of ethanol on liver metabolism (rabbits)
- RO1AA-00323-03 Prevention of adverse metabolic effects of alcohol
- RO1AA-00667-01 Effect of alcohol on glucuronide conjugation of drugs (animals)
- RO1AI-07877-08 Molecular mechanism of pathogenicity of diphtheria
- ** RO1AM-12104-07 Regulation of coenzymes in biological systems (bacteria, rats, HeLa cells)
- RO1AM-12604-06 Glucose metabolism and hydrogen transport (rats, rabbits, birds)
- RO1AM-12743-07 Models for metabolic processes
- RO1AM-13502-06 Enzyme catalysis of electron and group transfer (bacteria)
- RO1AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- RO1AM-13967-04 Regulation of energy metabolism in liver (rats)
- RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- RO1AM-14752-04 Intracellular reactions in gastric mucosa (bullfrogs)
- RO1AM-14915-04 Aldosterone stimulation of sodium transport (anurans, rats)
- RO1AM-16678-01 Role of the mitochondria in hepatic drug metabolism (rats)
- PO1CA-08748-09 5733 Research program of Sloan-Kettering Institute - Nicotinamide adenine dinucleotide glycohydrolase (mice)
- RO1CA-11430-09 0040 Biomathematics and computing in a cancer institute - Thermodynamics of folding pyridine nucleotides from NMR studies
- RO1CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- ** RO1CA-12907-03 NAD regulation of neoplastic growth (rats)
- RO1CA-13137-02 Role of pyridine nucleotides in human leukemia
- ** RO1ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
- RO1GM-08521-14 Carbon-13 magnetic resonance-Methods and theory
- ** PO1GM-15571-06 0059 Anesthesia research-Program project - Brain NAD0 supply limitation of anaerobic lactate metabolism
- RO1GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
- RO1GM-16856-05 Nucleophilic reactions of DPN and its analogs
- ** RO1GM-18632-03 Structures of nucleic acids and related molecules
- ** RO1GM-18890-03 Studies on coenzyme model compounds
- RO1GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
- RO1GM-19807-02 0018 Membrane permeability as a regulatory element - NADH oxidation by potato mitochondria
- ** RO1GM-20294-01 Dehydrogenase structure and function (rabbit, yeast, lobster)
- RO1GM-21185-01 Mechanism of enzyme catalyzed oxidation-reductions (bacteria, yeasts)
- ** PO1HD-05671-03 0046 Center for population research - Inhibition of DNA polymerase of rat liver chromatin treated with NAD
- PO1HD-05894-04 0008 Genetic childhood diseases and aging - Enzyme mutants in neutrophil dysfunction syndrome (human)
- RO1HL-03226-16 Enzyme catalytic mechanism studies (swine)
- PO1HL-08805-10 0010 Cardiovascular and pulmonary performance - Energy metabolism in heart-Mechanisms of regulation (mammals)

- RO1HL-13035-05 Heart mitochondrial malate dehydrogenase regulation
- RO1HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
- RO1HL-14641-09 Phosphate metabolism in transport (human)
- P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
- R23HL-17165-01 Redox state of NAD0 in erythrocytes (human)
- PO1NS-05820-09 0002 Research center for cerebral vascular diseases - Hyperventilation on recovery from circulatory arrest (rats)
- PO1NS-06663-08 0020 Cerebrovascular clinical research center - Protection of cells in marginal zone of infarction by chemicals (mammals)
- PO1NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
- RO1NS-11484-01 Effect of seizure upon energy metabolism of brain (rats)
- RO1OH-00352-05 Lung cell function in health and disease (human, rabbits)

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2) ANALOGS

- RO1AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E. coli, virus)
- RO1AM-16103-02 Effects of alkalosis on renal metabolism (rats, dogs)
- ** RO1GM-16856-05 Nucleophilic reactions of DPN and its analogs

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

- SEE ALSO NAD LINKED ENZYMES
- SEE ALSO NADP LINKED ENZYMES
- RO1AA-00288-03 Interaction of drug and ethanol metabolism (perfused liver, rats)
- RO1AI-06966-09 Capsule synthesis, division and radiation sensitivity (bacteria)
- PO1AM-0002-28 0015 Metabolic and hereditary disorders - Crystalline D-glucose 6-phosphate dehydrogenase (yeast)
- RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- RO1AM-07824-11 Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast)
- ** RO1AM-12104-07 Regulation of coenzymes in biological systems (bacteria, rats, HeLa cells)
- RO1AM-12604-06 Glucose metabolism and hydrogen transport (rats, rabbits, birds)
- RO1AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
- RO1AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
- RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- RO1AM-16070-01 Mechanism of control of fatty acid synthesis (E. coli, pigeons, rats)
- RO1AM-16614-01 Biochemistry of stress in mice
- RO1AM-16721-02 Hexose monophosphate shunt in genetic disease (human)
- RO1AM-17552-02 Effect of coenzymes on enzyme structure and function (swine)
- RO1CA-11666-05 Structure-function studies of dihydrofolate reductase (chickens)
- PO1CA-13038-03 0054 Experimental therapeutics and cancer drug program - Binding of other aflatoxins to microsomes
- PO1CA-13038-03 0055 Experimental therapeutics and cancer drug program - Interaction of aflatoxin B1 metabolite with rat liver RNA
- NO1CP-45610-00 Studies of mammalian cell transport system
- RO1ES-00654-01 Photoreaction and herbicide metabolism
- RO1ES-00743-03 Mechanisms of enzymatic dechlorination (rats, human)
- RO1GM-14595-08 0005 Continuity of cellular organelles - Chloroplast enzymes synthesized outside the chloroplast (Euglena)
- P11GM-15477-08 0123 Drug metabolism and biochemical pharmacology - Stoichiometry of the ethylmorphine N-demethylase reaction
- PO1GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- RO1HL-07449-12 0003 Formation and survival of red blood cells - Red cell metabolism
- RO1HL-12758-13 Regulation of aldosterone secretion (human, rats)
- RO1NS-11484-01 Effect of seizure upon energy metabolism of brain (rats)

PYRIDINES

- SEE ALSO ACRIDINES
- SEE ALSO BENZIMIDAZOLES, DROPERIDOL
- SEE ALSO BENZOPYRROLES, INDOLIZINES
- SEE ALSO PESTICIDES, HERBICIDES, PARAQUAT
- SEE ALSO QUINOLINES
- SEE ALSO SULFANILAMIDES, SALICYLAZOSULFAPYRIDINE

- ** RO1CA-03287-16 Chemotherapy of experimental mouse tumors
- RO1CA-08495-09 Fused heterocycles as potential anticancer agents
- RO1CA-12149-03 Synthesis of the anticancer agent, Camptothecin
- RO1CA-12791-03 Pharmacology of platinum compounds (mice)
- ** RO1CA-13964-02 Tetrahydropyridines in cancer chemotherapy
- RO1CA-16156-01 Metals and antitumor activity of thiosemicarbazones
- ** PO1CA-16359-01 0019 Cancer center support grant - Antitumor activity of 5-hydroxy-2-formylpyridine thiosemicarbazone
- PO1CA-16359-01 0020 Cancer center support grant - The hepatocarcinogen urethan
- RO1GM-12592-10 Photoprocesses in the organic solid state
- RO1GM-15425-07 Medicinal photochemistry-Synthesis and reactions
- P11GM-15477-08 0032 Drug metabolism and biochemical pharmacology - Enhancement of microsomal aromatic hydroxylation (rats)
- ** RO1GM-17267-03 Intramolecular cyclization of N-alkylpyridinium salts
- RO1GM-19815-02 Metabolic study of hypocholesteremic pyridine (rats, monkeys)
- ** RO1GM-20992-01 Phosphorus analogues of biologically active pyridines
- RO1HL-12395-06 X-ray study of oxygen-carrying cobalt complexes

PYRIDINES, CHLORPHENIRAMINE

- P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)

PYRIDINES, HYDROPYRIDINES

- SEE ALSO PIPERIDINES
- RO1AM-15705-03 The general intermediate for vitamin B6 catalysis
- ** RO1CA-11820-03 Potentially therapeutically useful NAD antagonists
- ** RO1GM-18890-03 Studies on coenzyme model compounds

PYRIDINES, METYRAPON

- PO1AM-00002-28 0014 Metabolic and hereditary disorders - Steroid studies
- RO1CA-12383-03 Asparagine analogs effects of allograft, leukemia (mice)
- P11GM-15477-08 0006 Drug metabolism and biochemical pharmacology - Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice)
- P11GM-15477-08 0007 Drug metabolism and biochemical pharmacology - Selective toxicity of cyclophosphamide (rats)
- P11GM-15477-08 0041 Drug metabolism and biochemical pharmacology - Kinetics induction microsomal drug metabolism-Thioacetamide, SKF 525A (rats)
- ** RO1GM-16488-06 0012 Hepatic microsomal drug oxidation - Effect of the chemical inhibitors metyrapone and dioxypropylene benzyl compounds
- RO1HL-15319-02 Genetic factors in experimental hypertension (rats)
- RO1HL-15732-02 Mineralocorticoid hypertension (rats)
- MO1RR-00052-13 0031 General clinical research center for children - Endocrinology-Cortisol
- MO1RR-00053-13 0001 Clinical research center - Cortisol and ACTH secretory patterns (human)
- MO1RR-00064-10 0010 General clinical research center - Procedure for measuring abnormalities in ACTH release (human)
- MO1RR-00064-10 0060 General clinical research center - Effect of drugs on metabolism of glucocorticoids, metyrapone and ACTH
- MO1RR-00211-10 0031 General clinical research center - Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man
- ** MO1RR-00305-08 0009 Clinical research center for children - Plasma corticoids as index of response in metyrapone test
- MO1RR-00400-06 0052 General clinical research center-adult - Pre-operative chemotherapy of Cushing's syndrome (human)

PYRIDINES, NICOTINE

- SEE ALSO CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS
- SEE ALSO PSYCHOLOGY, HABITS, SMOKING
- NO1CP-23243-03 Production and detection of antibodies to carcinogens (human, rabbits)
- ** NO1CP-43312-00 Metabolic studies on tobacco smoke constituents (mammals)
- ** NO1CP-43315-00 Inhalation bioassay of cigarette smoke in dogs
- NO1CP-45622-00 Tobacco smoke constituents (animals)
- RO1DE-03327-03 Drug movement into saliva (rats)
- P11GM-16216-06 0053 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Active agents other than ethical drugs (human)
- PO1GM-16593-06 0014 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hepatic pharmacodynamics of biliary contrast materials (dogs)

(contd)

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RO1GM-17267-03 Intramolecular cyclization of N-alkylpyridinium salts
 RO1GM-21148-01 Natural abundance 15N NMR studies for biochemistry
 PO1HD-05077-05 0011 Reproductive biochemistry and medicine - Hypothalamic control of ovarian function in Rhesus monkey (and human)
 RO1HD-07895-01 Consequence of in utero treatment (rats)
 RO1HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
 RO1HL-13623-05 Atrial receptors (dogs)
 P17HL-14150-04 0010 Specialized center of research in hypertension - Natural history of behavioral hypertension (monkeys)
 RO1HL-16066-01 Studies on the chemoreceptor reflex (dogs)
 RO1HL-16573-01 Prevention of sudden coronary death (human)
 ** RO1MH-14110-07 0011 Neural modulation and transmission - Muscarinic and nicotinic cholinergic receptors (rabbits)
 RO3MH-25361-01 Action of amphetamine on cells of the brain (snails)
 RO1NS-05979-09 Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
 RO1NS-09272-04 Cellular pharmacology of neuromuscular transmission (frogs, rats)
 RO1NS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
 RO1NS-10072-02 Interactive computer graphics
 RO1NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
 RO1NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
 RO1NS-11284-01 Drug effects on vestibular neurones (cats)
 RO1NS-11756-01 Conductance of nicotinic acetylcholine receptors (torpedos)

PYRIDINES, PRALDOXIME

R10CA-02824-19 Eastern cooperative oncology group
 R10CA-07190-12 Eastern cooperative oncology group
 R10CA-10572-06 Eastern cooperative oncology group
 R10CA-11109-06 Eastern cooperative oncology group
 RO1ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)

PYRIDINES, PYRIDOSTIGMINE

PO1GM-15571-06 0071 Anesthesia research-Program project - Neuromuscular blocking agents (human)

PYRIDINOLS

RO1AM-01549-18 Action of B vitamins in enzymic catalysis
 ** MO1RR-00051-13 0156 General clinical research center - Pyridinol carbamate in neurological diseases (human)

PYRIDINONES

RO1GM-19913-02 Tautomeric catalysis-Model of enzyme catalysis

PYRIDOINDOLES, HARMALINE

RO1GM-10366-11 Bioisosteres of biologically active indoles
 RO1GM-20602-01 Synthesis of potential new psychoactive molecules

PYRIDOSTIGMINE

SEE PYRIDINES, PYRIDOSTIGMINE

PYRIDOXAL

SEE VITAMIN B6, PYRIDOXAL

PYRIDOXAL ANALOGS

SEE VITAMIN B6, PYRIDOXAL ANALOGS

PYRIDOXAL KINASE

SEE PHOSPHOTRANSFERASES, ATP-PYRIDOXAL 5-PHOSPHOTRANSFERASE

PYRIDOXAL PHOSPHATE

SEE VITAMIN B6, PYRIDOXAL PHOSPHATE

PYRIDOXAMINE-PYRUVATE TRANSAMINASE

SEE AMINOTRANSFERASES, PYRIDOXAMINE-PYRUVATE TRANSAMINASE

PYRIDOXINE

SEE VITAMIN B6, PYRIDOXINE

PYRIDOXINE ANALOGS

SEE VITAMIN B6, PYRIDOXINE ANALOGS

PYRIDOXINE DEFICIENCY

SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B6

BETA-PYRIDYLALANINES

SEE CYCLIC AMINO ACIDS, BETA-PYRIDYLALANINES

PYRIMETHAMINE

RO1AI-08970-06 Chemotherapy of malaria
 RO1HD-01687-09 Pathogenesis of infection in human maldevelopment

PYRIMIDINE AMINOHYDROLASES

SEE AMINOHYDROLASES, PYRIMIDINE DEAMINASE

PYRIMIDINE DEAMINASE

SEE AMINOHYDROLASES, PYRIMIDINE DEAMINASE

PYRIMIDINE DEOXYRIBOSIDES

SEE PYRIMIDINE NUCLEOSIDES, PYRIMIDINE DEOXYRIBOSIDES

PYRIMIDINE MUSTARDS

RO1AI-12170-01 Therapy of herpes infection-5-HALO-CDR and THU

PYRIMIDINE MUSTARDS, URACIL MUSTARDS

PO2CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)

PYRIMIDINE NUCLEOSIDES

SEE ALSO HALOPYRIMIDINE NUCLEOSIDES

RO1AI-12116-01 Biology of human lymphoblastoid cell lines
 R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
 RO1CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
 ** PO1CA-08748-09 6402 Research program of Sloan-Kettering Institute - 6-Substituted-pyrimidines and nucleosides-synthesis
 RO1CA-11147-06 Thiazolo- and oxazolo 5, 4-d pyrimidine nucleosides
 ** RO1CA-12422-03 Nucleosides of thiosugars
 ** RO1CA-12823-03 Pyrido 2, 3-D pyrimidine nucleosides as antitumor agents
 PO1CA-14395-02 0008 Cancer research center of Greater Miami - Therapy and pyrimidine catabolism, radiation and repair (mammals)
 ** RO1CA-16191-01 5-Substituted pyrimidines and cancer chemotherapy
 MO1CM-23710-03 Synthesis of potential antiviral-anticancer purine nucleosides

PYRIMIDINE NUCLEOSIDES, CYTOSINE NUCLEOSIDES

SEE ALSO ANTIBIOTICS, GOUGEROTIN

PO1CA-08748-09 6401 Research program of Sloan-Kettering Institute - Nucleoside antibiotics-synthesis
 ** PO1CA-08748-09 7202 Research program of Sloan-Kettering Institute - Comparison of activity of pyrimidine derivatives with ara-C (human, mice)
 ** RO1CA-11389-05 Potential drugs related to araC

PYRIMIDINE NUCLEOSIDES, CYTOSINE NUCLEOSIDES, CYTIDINE

SEE ALSO TRIAZINE NUCLEOSIDES, AZACYTIDINE

RO1AI-12170-01 Therapy of herpes infection-5-HALO-CDR and THU
 ** RO1CA-11050-07 0011 Molecular pharmacology of the cell cycle - Stem cells (mice, human)
 PO1CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)
 RO1CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
 PO1ES-00044-10 0004 Mechanisms of pesticide action - Intermediary metabolism of phospholipids (insects, mice)
 RO1NS-06188-09 Abnormal development of the nervous system (chick embryo, mice, hamsters)

PYRIMIDINE NUCLEOSIDES, CYTOSINE NUCLEOSIDES, CYTOSINE ARABINOSIDE

RO1AI-11636-01 Normal and virus-infected animal cells
 RO1AM-15634-03 Inhibitors of enzyme synthesis
 R10CA-02599-20 Acute leukemia group B (human)
 R10CA-02649-18 Childrens cancer study group A
 R10CA-03096-17 Southwest cancer chemotherapy cooperative study group
 R10CA-03227-18 Southeastern cancer study group
 R10CA-03389-16 Southwest cancer chemotherapy cooperative study group
 R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
 R10CA-03526-17 Childrens cancer study group A
 R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
 R10CA-03750-17 Childrens cancer study group A
 R10CA-03888-17 Childrens cancer study group A
 R10CA-04326-16 Acute leukemia group B
 R10CA-04457-15 Acute leukemia group B
 R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
 R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
 R10CA-04920-15 Western cooperative cancer chemotherapy study group
 R10CA-05186-14 Western cancer study group
 R10CA-05436-14 Childrens cancer study group A
 R10CA-05587-14 Southwest cancer chemotherapy study group (human)
 R10CA-05588-14 Eastern cooperative oncology group
 R10CA-05634-14 Southeastern cancer study group
 R10CA-05641-14 Southeastern cancer study group

PO2CA-05831-13 0027 Cancer clinical research - Pharmacology of new cancer chemotherapy agents
 PO2CA-05831-13 0029 Cancer clinical research - Cellular chemotherapy and kinetics (human)
 PO2CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
 PO2CA-05834-13 0034 Cancer clinical research center - Assays for drug sensitivity before and after chemotherapy
 PO2CA-05834-13 0039 Cancer clinical research center - Acute myelocytic leukemia (human)
 PO2CA-05834-13 0040 Cancer clinical research center - Acute lymphocytic leukemia (human)
 PO2CA-05837-12 0006 Cancer clinical research - Hydroxyurea and cytosine arabinoside (human)
 PO2CA-05838-13 0005 Clinical radiotherapy cancer research center - Non-Hodgkin's lymphoma
 PO2CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
 RO1CA-06145-13 0004 Chemotherapy of intracranial neoplasms - Sensitivity of glial cells to chemotherapeutic drugs (human)
 PO2CA-06551-11 0015 Cancer clinical research - Chemotherapy (human)
 R10CA-06800-12 Western cooperative cancer chemotherapy group
 PO2CA-06973-12 0001 Integrated clinical cancer research program - Therapy of acute leukemia of the adult (human, mice)
 R10CA-07306-11 Childrens cancer study group A
 R10CA-07431-11 Childrens cancer group A
 R10CA-07439-11 Childrens cancer study group A
 R10CA-07585-11 Western conference cancer chemotherapy group
 R10CA-07757-10 Acute leukemia group B (human)
 R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
 PO2CA-08341-09 0036 Clinical pharmacology and cancer chemotherapy - CAM in solid tumors
 PO2CA-08341-09 0037 Clinical pharmacology and cancer chemotherapy - CAM in acute leukemia
 PO2CA-08341-09 0038 Clinical pharmacology and cancer chemotherapy - Head and neck neoplasms chemotherapy
 ** PO2CA-08480-09 0013 Childhood cancer research center - Response of leukemic cells to oncolytic drugs (human)
 ** PO2CA-08480-09 0023 Childhood cancer research center - Combination chemotherapy in acute lymphocytic leukemia (human)
 PO1CA-08748-09 5934 Research program of Sloan-Kettering Institute - Immunosuppressive effects of cytotoxic drugs (rats)
 PO1CA-08748-09 6404 Research program of Sloan-Kettering Institute - Anhydro-ara-FC analogs synthesis
 ** PO1CA-08748-09 7607 Research program of Sloan-Kettering Institute - Cytotoxicity of ara-C in vivo
 PO2CA-08832-08 0060 An integrated study of advanced malignant diseases - Chemotherapy for lymphoma and Hodgkin's disease (human)
 R10CA-10186-08 Western cancer study group
 R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
 R10CA-10376-07 Southwest cancer chemotherapy study group
 R10CA-10379-06 Southwest cancer chemotherapy study group
 R10CA-10382-08 Childrens cancer study group A
 R10CA-10456-07 Acute leukemia group B operations office
 R10CA-10572-06 Eastern cooperative oncology group
 R10CA-10735-07 Population kinetics of tumors in vivo
 PO2CA-10895-06 0005 Adult leukemia research center - Treatment of acute leukemia (human)
 RO1CA-11050-07 0008 Molecular pharmacology of the cell cycle - Continuous tissue culture lines (hamster)
 RO1CA-11050-07 0011 Molecular pharmacology of the cell cycle - Stem cells (mice, human)
 R10CA-11174-06 Childrens cancer study group A
 PO2CA-11198-06 0009 Cancer research center - Immunosuppression
 R10CA-11233-06 Southwestern cooperative chemotherapy study group
 RO1CA-11389-05 Potential drugs related to araC
 PO1CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
 R10CA-11789-05 Acute leukemia cooperative group B
 R10CA-12011-03 Acute leukemia group B
 R10CA-12067-04 Electron microscopic and cytochemical studies of DNA (human, rats)
 RO1CA-12130-04 Polyploidy in analysis of variation and tumorigenesis (hamsters, frogs)
 PO2CA-12247-03 0015 Pediatric oncology center - Infectious disease control (human)
 PO2CA-12247-03 0025 Pediatric oncology center - Acute non-lymphocytic leukemia (human)
 ** PO2CA-12247-03 0034 Pediatric oncology center - Cytosine arabinoside and adenine arabinoside methodology (human)
 R10CA-12271-04 Central oncology group
 R10CA-12272-04 Central oncology group
 R10CA-12273-04 Central oncology group
 R10CA-12275-04 Central oncology group
 R10CA-12277-04 Central oncology group
 R10CA-12283-04 Central oncology group

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(contd)

R10CA-12285-04 The central oncology group
 R10CA-12286-04 Central oncology group
 R10CA-12287-04 Central oncology group
 R10CA-12288-04 Central oncology group
 R10CA-12289-04 Central oncology group
 R10CA-12294-04 Central oncology group
 R10CA-12295-04 Central oncology group
 R01CA-12327-04 Mechanisms of action of antileukemic drugs (mice)
 R01CA-12386-03 Development of lymphoma in the thymus (mice)
 R10CA-12449-04 Acute leukemia group B-Boston group
 R10CA-12639-03 Southeastern cancer study group
 R10CA-12640-03 Southeastern cancer study group
 R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
 R01CA-12827-03 Immunotherapy of acute leukemia (humans)
 R10CA-12985-03 Western cooperative cancer chemotherapy group
 P01CA-13038-03 0036 Experimental therapeutics and cancer drug program - Degree of similarity between chemotherapeutic agents
 P02CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)
 P02CA-13053-03 0032 Clinical cancer radiation therapy research center - Effect of antineoplastic agents on murine lymphosarcoma GC3HED
 P02CA-13053-03 0033 Clinical cancer radiation therapy research center - AKR-lymphoma model of childhood acute lymphoblastic leukemia
 P02CA-13053-03 0036 Clinical cancer radiation therapy research center - Serum levels of anticancer agents (mice)
 P02CA-13053-03 0041 Clinical cancer radiation therapy research center - Mathematical modelling in malignant diseases (mice)
 P02CA-13053-03 0043 Clinical cancer radiation therapy research center - Use of in vitro colonies as a model for solid tumors (human, mice, hamsters)
 P02CA-13053-03 0063 Clinical cancer radiation therapy research center - Repopulation of stem cells following chemotherapy (mice)
 P02CA-13053-03 0083 Clinical cancer radiation therapy research center - Effects of anticancer agents on synchronized mammalian cells
 R10CA-13057-03 Acute leukemia cooperative group B
 R01CA-13105-03 Chemotherapy and tumor-specific immunity (human)
 P02CA-13148-03 0013 Pilot cancer center - Treatment of childhood leukemia and lymphosarcoma
 P02CA-13148-03 0017 Pilot cancer center - Cytosine arabinoside leukemia therapy
 R01CA-13214-03 Metabolism by normal and leukemic leukocytes (human)
 R01CA-13712-02 Effect of asparaginase on sensitivity to other drugs (mice, human)
 R10CA-13809-02 Children's cancer study group A
 R01CA-13832-02 Enzymatic prediction of response to anticancer drugs (human)
 P02CA-13943-02 0023 Clinical pharmacology immunology cancer research center - Effect of blocking immune factors on antitumor immunity to mouse mammary cancer
 R01CA-14102-03 Kinetics of monoclonal plasma cell neoplasia of man
 R01CA-14169-03 RNA synthetic patterns as a biochemical test in leukemia (human)
 P01CA-14195-01 0019 Core grant-Regulation, the cell membrane and cancer - Synthesis and chemotherapy of nucleic acid analogs
 R01CA-14386-01 Toxicity of anti-tumor drugs (mice)
 R10CA-14557-01 Children's cancer study group A
 R01CA-15189-01 DNA repair and carcinogenesis (rodents)
 R10CA-15467-01 Southwest Oncology Group
 R10CA-15485-01 Eastern Cooperative Oncology Group
 R10CA-15488-01 Eastern Cooperative Oncology Group
 R10CA-15578-01 Southeastern Cancer Study Group
 R01CA-15616-01 DNA synthesis and antitumor drugs
 R01CA-15675-01 Design and evaluation of antitumor nucleoside analogs
 P02CA-15688-01 0013 Program in medical oncology - Remission induction in adult non-lymphocytic leukemia
 P02CA-15688-01 0020 Program in medical oncology - Myeloma kinetics (human)
 R01CA-15857-01 Clinical chemotherapy and pharmacology
 R01CA-15909-01 0002 Drug development-human leukemia growth factors - Drug combination studies (mice, human)
 P01CA-15936-01 0008 Specialized Cancer Center - Extended clinical trials (human)
 P01CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
 P01CA-15936-01 0016 Specialized Cancer Center - Immunological research (human, mice)
 R01CA-15956-01 Leukokinetics in acute leukemia with DF32
 R01CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
 N01CB-43879-00 Chemotherapy of acute myelocytic leukemia (human)
 N01CM-02083-12 Pharmacology of anti-leukemic and other anticancer drugs (monkeys, dogs, rodents)

N01CM-23717-02 Chemotherapeutic response of tumors and the granulocyte system (mammals nonhuman)
 N01CP-33392-02 Lymphoma cells and bioassay as a prescreen for carcinogens (mice)
 P01EY-00446-06 0011 External ocular disease center - Antivirals (human, animals)
 P01HD-05221-05 0029 Center grant in mental retardation - Pathologic embryology (rats, moonkeys)
 R01HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
 P01MH-11668-09 0091 Psychosocial factors in health and disease - Onset of Herpes Zoster-Prediction of post herpetic pain
 M01RR-00030-13 0097 General clinical research center - Treatment of acute myeloblastic leukemia (human)
 M01RR-00030-13 0133 General clinical research center - Effect of cytosine arabinoside and thioguanine in granulocytic leukemia (human)
 M01RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
 M01RR-00044-14 0044 General clinical research center - Effect of cytarabine on herpes zoster infection (human)
 M01RR-00047-14 0094 General clinical research center - Treatment of herpes simplex encephalitis with cytosine arabinoside (human)
 M01RR-00049-13 0014 General clinical research center - Cytosine arabinoside and hydroxyurea in acute leukemia (human)
 M01RR-00049-13 0039 General clinical research center - COAP, DOAP, OAP - chemotherapy for adult acute leukemia (human)
 M01RR-00049-13 0041 General clinical research center - Chemotherapy of myeloblastic leukemia (human)
 M01RR-00063-12 0077 General clinical research center - Antineoplastic agents in leukemia (human)
 M01RR-00063-12 0079 General clinical research center - COAP in acute myelocytic leukemia (human)
 M01RR-00063-12 0085 General clinical research center - Total therapy of chronic granulocytic leukemia (human)
 M01RR-00063-12 0089 General clinical research center - Treatment of non-Hodgkin's lymphomas (human)
 M01RR-00063-12 0091 General clinical research center - Thioguanine, cytosine arabinoside, daunomycin in lymphatic leukemia (human)
 M01RR-00064-10 0021 General clinical research center - Cytosine arabinoside in treatment of acute leukemia (human)
 M01RR-00070-12 0039 General clinical research center - Therapy in acute myelogenous leukemia (human)
 M01RR-00070-12 0041 General clinical research center - Zytosar for disseminated herpes zoster
 M01RR-00125-11 0199 General clinical research center-adult-child - Combination chemotherapy and CNS prophylaxis for acute lymphoblastic leukemia
 M01RR-00287-08 0037 General clinical research center - Acute leukemia group B cancer chemotherapy protocol (human)
 M01RR-00425-06 0033 General clinical research center - Cytosine arabinoside in patients carrying the Australian antigen
PYRIMIDINE NUCLEOSIDES, CYTOSINE NUCLEOSIDES, DEOXYCYTIDINE
 SEE ALSO HALOPYRIMIDINE NUCLEOSIDES, HALOCYTOSINE NUCLEOSIDES, 5-BROMODEOXYCYTIDINE
 SEE ALSO HALOPYRIMIDINE NUCLEOSIDES, HALOCYTOSINE NUCLEOSIDES, 5-FLUORODEOXYCYTIDINE
 R01CA-02373-19 Nucleoside and nucleotide derivatives
 R01CA-06913-10 Anabolic control in normal and neoplastic tissues (cattle, bacteria)
 P01CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
 P01CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)
 P01CA-14195-01 0019 Core grant-Regulation, the cell membrane and cancer - Synthesis and chemotherapy of nucleic acid analogs
 R01GM-20371-01 Regulatory processes affecting enzyme activity (bacteriophage, chick)
PYRIMIDINE NUCLEOSIDES, OROTIDINE
 P01GM-18153-04 0019 Gene control of mammalian cell differentiation - Regulation of pyrimidine synthesis in human cells
PYRIMIDINE NUCLEOSIDES, PYRIMIDINE DEOXYRIBOSIDES
 SEE ALSO PYRIMIDINE NUCLEOSIDES, CYTOSINE NUCLEOSIDES, DEOXYCYTIDINE
 SEE ALSO PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE
 SEE ALSO PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE
 P02CA-06516-12 0028 Cancer center support grant-Comprehensive - Cell culture and cell physiology (human)
PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES
 P02CA-06516-12 0028 Cancer center support grant-Comprehensive - Cell culture and cell physiology (human)

PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE
 R01AI-09529-05 Pathogenesis of cellular immunity and tolerance (guinea pigs, mice)
 R01AI-12170-01 Therapy of herpes infection-5-HALO-CDR and THU
 R01AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
 R01AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
 P02AM-05577-13 0002 Clinical research unit in rheumatic diseases - Delayed hypersensitivity in vitro (guinea pigs, human)
 P01AM-05996-13 0008 Biochemistry of connective tissues - Differentiation of cartilage (chick embryo)
 R01AM-09314-10 Enzymology of the oxidative metabolism of thymidine (Neurospora, rats)
 R01AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
 P17AM-17026-01 0028 Vanderbilt University Diabetes-Endocrinology Center - Nature and origin of somatomedin
 R01AM-18091-01 Effect of vagotomy on hepatic regeneration (rats)
 R01CA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
 R01CA-05034-15 Metabolic patterns in normal and neoplastic tissues (rats, human)
 R01CA-05298-14 Cellular pharmacology of folate antagonists (human, rats, mice)
 R10CA-05462-14 Acute leukemia cooperative study group B
 R01CA-05953-13 0001 Human tumors in vitro - Biochemical studies with human tumors
 R01CA-07000-10 Acquired hemolytic anemia of lymphocytic leukemia (human)
 R01CA-07522-10 Cofactor inhibition of thymidylate synthetase
 P01CA-08748-09 5616 Research program of Sloan-Kettering Institute - Uptake of drugs in brain tumors in mice
 P01CA-08748-09 6003 Research program of Sloan-Kettering Institute - DNA and protein synthesis in regenerating biological systems (mammals)
 P02CA-08832-08 0108 An integrated study of advanced malignant diseases - Incorporation of tritiated thymidine into peripheral lymphocytes (human)
 P02CA-11051-06 0049 Clinical radiation research center - Radiation pathology-Tumor parenchymal and endothelial cells (hamsters)
 R01CA-11449-05 New antagonists of amethopterin-resistant leukemia (human bacteria, mice)
 P01CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
 R01CA-12933-03 Histone metabolism in neoplastic tissues (mice, rats)
 P01CA-13038-03 0037 Experimental therapeutics and cancer drug program - Interaction of inhibitors of ribonucleotide reductase
 P01CA-13038-03 0040 Experimental therapeutics and cancer drug program - Reversal of methotrexate toxicity in normal mice
 P02CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)
 R01CA-13080-03 Comparative carcinogenicity of tritium (mice)
 R01CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
 R01CA-13190-02 Human tumor-Specific immunity
 R01CA-13214-03 Metabolism by normal and leukemic leukocytes (human)
 R01CA-13312-02 Field ion mass spectrometry applied to cancer therapy (rats)
 R01CA-13401-03 5-BuDR effects on polyoma and SV40 transformed cells (mice)
 P01CA-13526-03 0006 Correlated study of metabolic regulation in neoplasia - Regulation of pyrimidine metabolism (rats)
 R01CA-13604-03 Selected studies in nucleic acid metabolism
 R01CA-13992-02 0004 Surface membranes of normal and cancer cells - When and where is the fucose-sialyl glycoprotein made
 R01CA-14049-02 Cell-mediated immunity to ascites tumors (mice)
 R01CA-14102-03 Kinetics of monoclonal plasma cell neoplasia of man
 R01CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
 R01CA-14661-02 Actions of hydrocarbon carcinogens on cultured cells
 R01CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)
 R01CA-16347-01 Regulation of survival of ultraviolet-irradiated E coli K-12
 N01CB-23861-02 Hormonal requirements of normal and abnormal human mammary tissue
 N01CP-33392-02 Lymphoma cells and bioassay as a prescreen for carcinogens (mice)
 R01DE-03014-06 Periodontal changes during aging (mice) (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 †† Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-02506-08 Teratogen and gene interactions on mouse development
- R01HD-06706-02 Hormonal control of growth and development (chickens, rats, human)
- R01HD-07036-02 Biochemistry of placental development and function (continued)
- R23HL-17144-01 Transfer factor effect on course of coccidioidomycosis (human)
- R01NS-11501-01 Effects of steroids on 3H-thymidine uptake in brain (rats)
- R01OH-00321-06 In vitro studies of occupational dermatitis (guinea pigs, human)
- M01RR-00065-12 0023 General clinical research center - Cell proliferating pool of solid tumors by infusion tritiated thymidine (human)

PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMINE RIBOSIDES

- R01AI-11980-01 Immunological tolerance to DNA in murine lupus nephritis (mice)

PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE

- SEE ALSO HALOPYRIMIDINE NUCLEOSIDES, HALOURACIL NUCLEOSIDES, 5-BROMODEOXYURIDINE
- SEE ALSO HALOPYRIMIDINE NUCLEOSIDES, HALOURACIL NUCLEOSIDES, 5-FLUORODEOXYURIDINE
- SEE ALSO HALOPYRIMIDINE NUCLEOSIDES, HALOURACIL NUCLEOSIDES, 5-HODOODEOXYURIDINE
- R10CA-05462-14 Acute leukemia cooperative study group B
- P01CA-08748-09 5504 Research program of Sloan-Kettering Institute - Incorporation of 3H-BUDR into DNA of sea urchin eggs
- P01CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)

PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, PSEUDOURIDINE

- R01AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
- P01CA-08748-09 5705 Research program of Sloan-Kettering Institute - Substituted 5-alkylpyrimidine derivatives-synthesis, antiviral activities
- P01CA-08748-09 6405 Research program of Sloan-Kettering Institute - Synthesis of carbon-carbon linked nucleosides
- ** R01CA-16914-01 RNA modifying enzymes in normal and neoplastic cells (rats, yeast)
- R01GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)
- ** R01HL-04442-16 Mitochondrial assembly and replication (fungi, mammals)
- M01RR-00262-09 0008 General clinical research center - Nucleic acid metabolism in surgical patients
- ** M01RR-00262-09 0009 General clinical research center - Urinary pseudouridine, N6-purinyl carbamoyl threonine in tRNA turnover (human)

PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, URIDINE

- SEE ALSO HALOPYRIMIDINE NUCLEOSIDES, HALOURACIL NUCLEOSIDES, 5-FLUOROURIDINE
- SEE ALSO TRIAZINE NUCLEOSIDES, AZARACIL NUCLEOSIDES, 6-AZOURIDINE

- P17AM-17026-01 0028 Vanderbilt University Diabetes-Endocrinology Center - Nature and origin of somatomedin
- R01CA-05953-13 0001 Human tumors in vitro - Biochemical studies with human tumors
- ** R01CA-12422-03 Nucleosides of thiosugars
- R01CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
- R01CA-12743-03 Specific mitotic inhibition of leukemic lymphocytes
- P01CA-13038-03 0060 Experimental therapeutics and cancer drug program - Intestinal toxicity prevention by testosterone (mice)
- P01CA-13038-03 0063 Experimental therapeutics and cancer drug program - Biochemistry of guanazole action on mouse leukemia L1210
- R01CA-13080-03 Comparative carcinogenicity of tritium (mice)
- R01CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
- P01CA-13526-03 0006 Correlated study of metabolic regulation in neoplasia - Regulation of pyrimidine metabolism (rats)
- R01CA-13773-02 Erythropoiesis in acute myelogenous leukemia (rats)
- R01CA-14049-02 Cell-mediated immunity to ascites tumors (mice)
- R01CA-14169-03 RNA synthetic patterns as a biochemical test in leukemia (human)
- R01CA-14661-02 Actions of hydrocarbon carcinogens on cultured cells
- P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds

- R01CA-16347-01 Regulation of survival of ultraviolet-irradiated E coli K-12
- R01DE-03014-06 Periodontal changes during aging (mice)
- R01GM-19993-07 Regulation of gene function and protein synthesis (bacteria)
- P01HD-02147-08 0002 Extraterrestrial growth and development - Cellular division (mice)
- R01HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
- R01HD-06706-02 Hormonal control of growth and development (chickens, rats, human)
- R01HD-07036-02 Biochemistry of placental development and function (continued)
- R01HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)

PYRIMIDINE NUCLEOTIDES

- R01AI-04615-13 Biosynthesis of bacterial cell wall components
- ** R01AM-10332-09 Metabolism of pyrimidine nucleotides in skin (mice)
- R01CA-02146-21 Cytoplasmic factors in cellular growth (rats)
- ** R01CA-07340-11 0001 Coenzymes containing purine and pyrimidine analogs - Polyphosphate nucleotide synthesis and degradation (human)
- ** R01CA-13296-02 Selective activation of pyrimidine antimetabolites (mice)
- ** R26CA-14917-02 Pyrimidine synthesis and cellular proliferation in colon (mammals, nonhuman)
- R01CA-15645-01 NMR studies of folate-enzyme interactions
- ** M01CP-23293-03 Synthesis of purine and pyrimidine nucleotides
- R01GM-16059-06 Macromolecular aspects of synchronous cell division (bacteria)
- R01GM-18617-04 Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells)
- R01GM-18874-03 New synthetic methods useful for chemotherapeutics
- R01HD-00391-15 Regulation of enzyme action during development
- ** P01HD-02147-08 0002 Extraterrestrial growth and development - Cellular division (mice)
- R01HD-06883-01 Control of steroid hormone biosynthesis in pregnancy (human)
- R01HD-07209-01 Control of development of limb mesodermal cells
- P17HL-14177-04 0002 Center for prevention and treatment of atherosclerosis - Atherosclerotic arterial wall bioenergetics and lipid metabolism (rabbits, swine)

PYRIMIDINE NUCLEOTIDES, CYTOSINE NUCLEOTIDES

- ** R01AM-09765-09 0001 Regulatory processes in biological systems - CTP synthetase (E coli)
- R01AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
- R01CA-15370-01 Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- R01GM-20884-01 Deoxyribonucleotide metabolism in Escherichia coli

PYRIMIDINE NUCLEOTIDES, CYTOSINE NUCLEOTIDES, CYTIDINE PHOSPHATES

- R01GM-17575-03 Pentavalent phosphorus intermediate in RNase A

PYRIMIDINE NUCLEOTIDES, THYMINE NUCLEOTIDES, THYMIDINE MONOPHOSPHATE

- R01CA-11778-05 Chemistry of folate and pteridine coenzymes
- R01CA-12971-03 Biochemical mechanisms of pyrimidine alkylation (bacteria, rats, goats)
- R01CA-14394-02 Mechanism of thymidylate synthetase-Model studies
- R01GM-16306-06 Organization and expression of the genome of bacteriophage T4 (E coli)
- R01GM-20371-01 Regulatory processes affecting enzyme activity (bacteriophage, chick)
- R01GM-21421-01 Stability of steady states in nucleic acid synthesis

PYRIMIDINE NUCLEOTIDES, THYMINE NUCLEOTIDES, THYMIDINE TRIPHOSPHATE

- R01AI-08133-17 Phage infection-Deoxyribonucleotide and DNA biosynthesis
- P02CA-06519-12 0094 Radiation therapy and biology research program - In vitro synthesis of phi-X174 single-stranded DNA
- R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- R01CA-12650-03 Regulation of metabolism of ascites tumor cells (mice)
- R01GM-20884-01 Deoxyribonucleotide metabolism in Escherichia coli
- ** R01HD-07061-01 Embryo size and nucleotide syntheses, a cancer study (mice)

PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES

- R01AM-09863-09 Enzyme-effector interactions and metabolic regulation (rabbits, bacteria)
- ** R01GM-21405-01 Modified nucleotides in mammalian tRNA (cattle, human, wheat, E coli)

PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE DIPHOSPHATE

- R01AM-10894-08 0015 Genetic metabolic diseases of infancy and childhood - Kinetics of rat liver UDP Gal uridylyltransferase activity
- R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)

PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE MONOPHOSPHATE

- ** R01AM-15186-06 Regulation of pyrimidine biosynthesis in the rat
- ** P02CA-13943-02 0003 Clinical pharmacology immunology cancer research center - Synthesis of 2- and 4-seleno uridylic acid
- ** R01CA-17131-07 Regulation of pyrimidine biosynthesis in the rat
- R01GM-19362-06 Biological importance of pyrimidine photolysates

PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE MONOPHOSPHATE CYCLIC

- R01AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)
- R01AM-17438-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)

PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE TRIPHOSPHATE

- R01HD-00391-15 Regulation of enzyme action during development

PYRIMIDINES

- SEE ALSO BENZODIAZINES, QUINAZOLINES
- SEE ALSO DIAZOLOXAZINES, PYRAZOLOPYRIMIDINES
- SEE ALSO FLAVINS
- SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, DIAZINON
- SEE ALSO PTERIDINES
- SEE ALSO PURINES
- SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS
- SEE ALSO VITAMIN B, THIAMINE
- R01AI-06860-09 Immunological studies of nucleic acids
- R01AI-08004-07 The nature of Entamoeba histolytica
- R01AI-10640-03 Physiology of intracellular parasitism (hamsters, monkeys)
- R01AI-11121-02 Novel control mechanisms in endospore formation
- R01AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
- ** R01AM-01005-22 Metabolic studies on animal microorganisms (protozoans)
- R01CA-04175-16 Cell culture studies on drugs and antimetabolites
- ** R01CA-05513-14 Water-soluble organoboron compounds
- R01CA-05953-13 0001 Human tumors in vitro - Biochemical studies with human tumors
- P02CA-06519-12 0005 Radiation therapy and biology research program - Accurate repair of DNA containing interstrand cross-links
- R01CA-07773-11 Application of electrochemistry to radiation biology
- R01CA-08495-09 Fused heterocycles as potential anticancer agents
- R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- R01CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- P02CA-12197-03 0008 Multidisciplinary oncology research center - Nucleic acid methylases in normal and neoplastic human tissues
- R01CA-12528-03 Hydroxylamine derivatives
- ** R01CA-12971-03 Biochemical mechanisms of pyrimidine alkylation (bacteria, rats, goats)
- R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- P01CA-13038-03 0044 Experimental therapeutics and cancer drug program - Toxicity of pyrimidine antineoplastic agents on rats
- R01CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- ** P01CA-13526-03 0006 Correlated study of metabolic regulation in neoplasia - Regulation of pyrimidine metabolism (rats)
- R01CA-13604-03 Selected studies in nucleic acid metabolism
- R01CA-13718-02 Aberrant gene expression during chemotherapy (rats, mice)
- R01CA-13817-02 Rhodium (II) complexes as potential anticancer agents (mice)

(contd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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RO1CA-14005-02 The photoreactivating enzyme in repair of DNA (E coli)
 RO1CA-14078-02 Development of new anticancer agents (mice, rats)
 RO1CA-14511-02 Photosynthesis of antiviral and antitumor drugs
 RO1CA-14780-02 Transport by membrane vesicles of cultured tumor cells
 PO1CA-14801-02 0009 Chemotherapy and regulation of oncogenic viruses - Sequences in nucleic acids of RNA tumor viruses
 RO1CA-15005-01 Rational modification of some antitumor agents (human)
 RO1CA-15036-02 A phosphoribosyltransferase from leukemic cells
 PO2CA-15145-01 0042 Cancer center support grant - Regulation of growth in normal and neoplastic tissues (human, rats)
 RO1CA-15659-01 Inhibition of pteridine enzymes in cancer chemotherapy (rats, human)
 RO1CA-15898-01 Cytotoxic agents affecting cell membrane biogenesis
 RO1CA-16343-01 Mechanism of action of the photoreactivating enzyme
 NO1CM-33712-03 Synthesis of potential anticancer agents
 RO1DE-03348-03 Altered RNA metabolism on salivary glands
 RO1ES-01009-02 Mechanism of azide mutagenesis (bacteria, yeast)
 RO1GM-12592-10 Photoprocesses in the organic solid state
 ** RO1GM-13939-09 Purine-pyrimidine crystalline complexes (E coli)
 RO1GM-18348-03 Mutagenic mechanisms
 ** RO1GM-19362-06 Biological importance of pyrimidine photolates
 RO1GM-20032-03 Selected solid state spectral studies
 RO1HD-06538-03 Carbamyl enzymes and differentiation (bacteria, rats)
 ** RO1HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
 PO1NS-04553-10 0005 Neuropharmacology and neurochemistry program research - Neuropharmacology of psychotropic agents and biochemical effects (animals)
 MO1RR-00030-13 0130 General clinical research center - 2, 4-diamino-5-(3',4'-dichlorophenyl)-6-methyl pyrimidine for leukemia
 MO1RR-00051-13 0075 General clinical research center - Excretion of methylated purine as indices of neoplasm (human)
 MO1RR-00056-13 0050 General Clinical Research Center - U-10,585 (minoxidil) in clinical research unit (human)

PYRIMIDINES, ALLOXAN

RO1AI-08651-06 Sex factors in susceptibility to infectious diseases (mice)
 RO1AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
 RO1AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
 ** RO1AM-09059-11 Physiology of pancreatic islets and action of alloxan (toadfish)
 RO1AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
 RO1AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)
 RO1AM-17485-01 Capillary permeability in experimental diabetes (rats)
 ** RO1CA-13285-03 Pancreatic effects of cancer chemotherapeutic agents (mice)
 PO1HL-08805-10 0025 Cardiovascular and pulmonary performance - Pulmonary edema (dogs)

PYRIMIDINES, AMINOPYRIMIDINES

P17HL-15062-03 0010 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein biosynthesis, secretion and degradation (human, monkeys)

PYRIMIDINES, AMINOPYRIMIDINES, DIAMINOPYRIMIDINES

PO1CA-13038-03 0044 Experimental therapeutics and cancer drug program - Toxicity of pyrimidine antineoplastic agents on rats
 RO1CA-14078-02 Development of new anticancer agents (mice, rats)

PYRIMIDINES, BARBITURATES

RO1AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)
 RO1AA-00326-01 Mechanisms of tolerance to ethanol (fish)
 RO3AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)
 RO1AA-01066-01 Physical dependence on alcohol (mice)
 RO1AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)
 RO1CA-13296-02 Selective activation of pyrimidine antimetabolites (mice)
 RO1DA-00069-04 Toxicology of marijuana in animals and man
 ** RO1DA-00094-04 Drug use surveillance-San Mateo County Schools

RO1DA-00123-03 Drug preference and multiple addiction in the primate
 RO1DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
 RO1DA-00139-03 Experimental drug abuse (monkeys)
 R10DA-00154-09 Psychopharmacology of drug dependence (monkeys)
 PO1DA-00250-03 0017 Research center-Studies of drug dependence and abuse - Detection of drugs of abuse in biological fluids
 ** RO1DA-00322-01 Physical dependence on barbiturates (mice)
 RO1DA-00323-01 Biochemical effects of perinatal narcotic addiction
 RO1DA-00612-01 Antagonism of orally self administered drugs effects
 ** RO1DA-00796-01 Effects of narcotics and barbiturates on brain ACh (rats)
 ** RO1DA-00939-01 Experimental studies of sedative abuse (human)
 ** RO1DA-00948-01 Mechanisms of barbiturate tolerance and dependence
 RO1DA-01022-01 Experimental alteration of sedative/stimulant abuse (human)
 RO1DA-01032-01 Addicting drugs and brain function in humans
 NO1DA-30020-00 Treatment and rehabilitation for opiate-dependent persons
 NO1DA-30060-00 Evaluate new instrument capability
 ** NO1DA-30177-00 Barbiturate treatment manual
 NO1DA-30263-00 Interaction studies of narcotics and narcotic antagonists (monkeys)
 ** NO1DA-40103-00 Improved hemoperfusion device for barbiturate intoxication (dogs)
 PO1ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
 RO1FD-00480-01 Sorption methods in the treatment of child poisoning
 PO1GM-09069-12 0087 Research in anesthesiology - Pharmacokinetics of barbiturate thiopental
 RO1GM-10848-17 NMR spectroscopy of biologically important compounds (human)
 ** PO1GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
 ** P11GM-15431-08 0017 Research center for clinical pharmacology and drug toxicology - Anticonvulsant drugs (mice, rats)
 ** P11GM-15431-08 0029 Research center for clinical pharmacology and drug toxicology - Mass spectrometric studies on barbituric acid derivatives
 P11GM-15431-08 0037 Research center for clinical pharmacology and drug toxicology - Interactions between drugs (human, rats)
 ** P11GM-15477-08 0116 Drug metabolism and biochemical pharmacology - Placental transfer drugs-Pharmacokinetics fetal localization (ewe)
 PO1GM-15904-07 0002 Anesthesiology center for research and teaching - Anesthetics and non-enzyme proteins, polypeptides and cellular components
 PO1GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation
 P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
 P11GM-16216-06 0007 Toxicological problems of drugs (placental transfer, lactation) - Illicit drugs (human)
 ** P11GM-16216-06 0024 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism-Aliphatic (rodents)
 ** P11GM-16216-06 0040 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism in the newborn-Glucosiduronic acid conjugation
 P11GM-16216-06 0045 Toxicological problems of drugs (placental transfer, lactation) - Epoxide formation as a mechanism of drug toxicity (mammals)
 P11GM-16216-06 0048 Toxicological problems of drugs (placental transfer, lactation) - Clinical use of drugs in the fetal and neonatal period (rats, guinea pigs)
 P11GM-16216-06 0052 Toxicological problems of drugs (placental transfer, lactation) - Fetal toxicology-Therapeutic agents in common use (human)
 PO1GM-16496-06 0019 Clinical pharmacology-Pharmacokinetics - Saliva studies in uremic subjects
 PO1GM-16496-06 0053 Clinical pharmacology-Pharmacokinetics - Spleen-colony assay system for bone marrow and leukemia stem cells (mice)
 PO1GM-16934-06 0017 Sulfonamides and carbonic anhydrase-Basis for therapy - Synergism of acetazolamide and theophylline on excretion of electrolytes (human)
 PO1GM-17806-05 0004 Nutritional factor effects on drug action - Amphetamine-like agent and barbiturate action in starved mice
 RO1GM-18348-03 Mutagenic mechanisms
 RO1GM-18632-03 Structures of nucleic acids and related molecules
 PO1GM-18715-02 0002 Biochemical effects and chemical reactions of drugs - Effects of drugs and metabolic disturbances on pH and brain ions (rats)

RO1GM-18894-03 Laser-excited Raman spectroscopy of biopolymers
 RO1GM-21258-01 Synthetic glycoproteins
 ** NO1GM-51057-22 Study on drug metabolism (human, mice, dogs, rabbits)
 RO1HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
 PO1HL-06285-14 0147 Cardiovascular-respiratory physiology and biochemistry - Metabolic regulation of cerebral microcirculation (cats)
 RO1HL-13619-05 0001 Microsomal electron transport - Liver electron transport (pigs)
 RO1HL-15219-02 Sickle cell diseases anesthetics and other drugs (human)
 RO1HL-15659-01 Dynamic isolation studies of control of respiration (human, computer models)
 ** RO1MH-05286-12 0003 Psychophysiology of perception - Origin of early auditory evoked potentials in man
 PO1MH-12568-08 0005 Neuropsychopharmacological studies of attention - Attentive and cognitive behavior development (primates, rats)
 RO1MH-14110-07 0015 Neural modulation and transmission - Convulsions and antiepileptic drugs (earthworms)
 RO1MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)
 PO1MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum
 RO1MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
 RO1MH-21934-02 Lithium and aggressive behavior (human)
 ** RO1MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
 ** RO1MH-24135-01 Immunologic investigation of barbiturate pharmacology (mice, rabbits)
 ** RO1MH-26236-01 Interaction of alcohol, barbiturates and narcotics
 ** RO1NS-02763-14 Molecular association of barbiturates in crystals
 RO1NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)
 PO1NS-04553-10 0003 Neuropharmacology and neurochemistry program research - Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats)
 ** RO1NS-07758-06 NMR studies of cell excitation (frogs, rats)
 RO1NS-08048-04 Comparative studies on mammalian nervous system (monkeys)
 RO1NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
 ** RO1NS-09738-04 Excitatory effects of barbiturates (cats, frogs, rabbits)
 RO1NS-09871-03 Anesthesia and the nervous system (cats)
 RO1NS-11126-01 Clinical and basic development of new anticonvulsants
 ** RO1NS-11205-01 Barbiturate complexation with mitochondrial coenzymes
 ** MO1RR-00051-13 0163 General clinical research center - Ca and P metabolism in asthma treated with theophylline and barbiturates
 MO1RR-00064-10 0035 General clinical research center - Drug-induced hepato-toxicity (human)
 ** MO1RR-00645-03 0051 Clinical research center - Effects of stereoisomers of various barbiturates (human)
 ** MO1RR-00645-03 0052 Clinical research center - Effects of deuteration of various barbiturates (human)
 MO1RR-00847-01 0008 Clinical research centers - Steroid therapy in man

PYRIMIDINES, BARBITURATES, AMOBARBITAL

RO1MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
 ** RO1MH-24329-01 Anticholinergic drugs and emotional behavior (rats)

PYRIMIDINES, BARBITURATES, BARBITAL

PO1AM-15512-03 0011 University of Wisconsin program project in nephrology - Renal metabolism in health and disease (dogs, human, rats)
 RO1AM-15564-03 0007 Secretion and hormonal integration of exocrine organs - Cation permeability in vitro (frogs)
 RO1AM-16497-02 0016 Normal and disordered thyroid hormone economy - Cellular proteins that bind thyroid hormones (human, rats)
 P11GM-15431-08 0018 Research center for clinical pharmacology and drug toxicology - N-N-butyl-barbital (rats, mice, dogs)
 ** P11GM-15431-08 0020 Research center for clinical pharmacology and drug toxicology - Secobarbital and barbital (rats)
 ** P11GM-15431-08 0022 Research center for clinical pharmacology and drug toxicology - Physico-chemical properties and metabolic fate of drugs (rats)
 P11GM-15477-08 0031 Drug metabolism and biochemical pharmacology - Puromycin aminonucleoside induced hypoproteinemia and barbiturates (rats)

(contd)

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 **Oriented significantly to above subject.
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P11GM-15477-08 0106 Drug metabolism and biochemical pharmacology - Kinetics of the penetration of drug into brain (rats)
 R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
 R01MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
 R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
 P01NS-04553-10 0006 Neuropharmacology and neurochemistry program research - Biochemical pharmacology of CNS muscle and other tissues (animals)

PYRIMIDINES, BARBITURATES, HEXOBARBITAL

R01AA-00253-04 Ethanol dependence-Behavior and physiology (rats, monkeys)
 P01AM-16281-02 0016 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum (rats, dogs)
 P10ES-00267-07 0006 Center for environmental toxicology - Metabolism of phosphorothionate insecticides (rats)
 R01ES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
 R01ES-00921-02 Cadmium-induced prolongation of drug action (rats)
 ** P11GM-15431-08 0016 Research center for clinical pharmacology and drug toxicology - Hexobarbital (dogs, mice, rats)
 P11GM-15431-08 0023 Research center for clinical pharmacology and drug toxicology - Maturation changes in hepatic drug metabolism (rats)
 P11GM-15431-08 0030 Research center for clinical pharmacology and drug toxicology - Drug metabolism
 P11GM-15431-08 0035 Research center for clinical pharmacology and drug toxicology - Biochemical pharmacology of delta-9-tetrahydrocannabinol (rats)
 ** P11GM-15477-08 0027 Drug metabolism and biochemical pharmacology - Effect of phenobarbital on oxygen needed for hexobarbital metabolism (rats)
 ** P11GM-15477-08 0028 Drug metabolism and biochemical pharmacology - Effect of hemorrhage on the rate of hexobarbital biotransformation (dogs)
 ** P11GM-15477-08 0035 Drug metabolism and biochemical pharmacology - Induction of drug metabolism after intravenous infusion of hexobarbital (dogs)
 P11GM-15477-08 0045 Drug metabolism and biochemical pharmacology - Administration of inducing agents (rats)
 P11GM-15477-08 0046 Drug metabolism and biochemical pharmacology - Phospholipids in binding and drug metabolism (rats)
 P11GM-15477-08 0052 Drug metabolism and biochemical pharmacology - Age, sex and depression of drug metabolism (rats, mice)
 P11GM-15477-08 0060 Drug metabolism and biochemical pharmacology - Oxygen requirement for hexobarbital metabolism (rats)
 ** P11GM-15956-07 0017 Factors affecting the responses to drugs - Pharmacokinetics (rats, human)
 R01GM-20340-01 Circadian rhythms in drug response and drug metabolism
 R01MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
 R01MH-25336-01 Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys)
 R01NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)

PYRIMIDINES, BARBITURATES, METHOHEXITAL

R01NS-10976-01 Neurochemistry of brain ischemia (rabbits)

PYRIMIDINES, BARBITURATES, PENTOBARBITAL

R01AM-01447-19 Neuroendocrine and thyroid physiology (rats)
 R01AM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)
 R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
 R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
 ** R01DA-00755-01 Chronic pentobarbital or methadone-CNS biochemistry (rats)
 P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
 R01GM-10848-17 NMR spectroscopy of biologically important compounds (human)
 ** P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
 P01GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
 P01GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
 P01GM-12527-10 0009 Anesthetic and related drugs - Bioassay for respiratory depression of analgesics and nighttime sedatives (human)
 P01GM-12527-10 0010 Anesthetic and related drugs - Bioassay of premedication (human)
 P01GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)

** P11GM-15431-08 0019 Research center for clinical pharmacology and drug toxicology - Pentobarbital isomers (human)
 ** P11GM-15431-08 0022 Research center for clinical pharmacology and drug toxicology - Physico-chemical properties and metabolic fate of drugs (rats)
 P11GM-15477-08 0106 Drug metabolism and biochemical pharmacology - Kinetics of the penetration of drug into brain (rats)
 P01GM-15571-06 0065 Anesthesia research-Program project - Human studies-Premedication and MAC
 P01GM-15904-07 0033 Anesthesiology center for research and teaching - Intracellular localization of anesthetics
 P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
 P11GM-16216-06 0045 Toxicological problems of drugs (placental transfer, lactation) - Epoxide formation as a mechanism of drug toxicity (mammals)
 P11GM-16216-06 0048 Toxicological problems of drugs (placental transfer, lactation) - Clinical use of drugs in the fetal and neonatal period (rats, guinea pigs)
 R01HL-07762-12 0001 Cardiovascular control by neural and chemical systems - Experimental hemodynamics (dogs)
 R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
 R01MH-02094-17 Basic types of effects of drugs on behavior (birds, monkeys)
 R01MH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)
 R01MH-13595-08 Behavior and drug effects during chronic stress (rats, mice)
 R01MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
 R01MH-22570-02 Amphetamine tolerance-Central and peripheral studies (rodents)
 R03MH-23653-01 Drugs, arousal and brain steady potential responses (rats)
 R01MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
 P01NS-04553-10 0006 Neuropharmacology and neurochemistry program research - Biochemical pharmacology of CNS muscle and other tissues (animals)
 R01NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
 R01NS-09051-05 Drugs on release of biogenic amines and behavior (rats)
 P01NS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)
 R01NS-10618-02 Mechanisms of neurotransmitter release (rats)
 R01NS-11268-01 Mechanism of spinal shock (cats)
 R01NS-11284-01 Drug effects on vestibular neurones (cats)
 R01NS-12079-01 Mechanisms of neurotransmitter release (rats)
 ** M01RR-00046-14 0038 General clinical research center - Validity of standard pentobarbital test dose
 P06RR-00168-13 New England regional primate research center
 M01RR-00828-01 0019 General clinical research center - Effect of anticholinergic and antacid drugs on absorption of oral drugs (human)

PYRIMIDINES, BARBITURATES, PHENOBARBITAL

SEE ALSO PYRIMIDINES, BARBITURATES, PRIMIDONE
 R01AA-00224-06 Pathogenesis and treatment of alcohol-induced diseases (human, monkeys, rats)
 R01AA-00263-04 Aldehyde metabolism and ethanol addiction (rabbits, mice, rats)
 ** R01AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)
 R01AA-00293-03 Alcohol and behavior-A genetic and biochemical study (rodents, monkeys)
 ** R01AA-00302-02 0001 Alcohol, tolerance and memory - Systematic metabolic rebound during alcohol and barbiturate withdrawal (rats)
 R01AJ-09902-04 Microsomal mixed-function oxidases (flies)
 R01AM-00668-20 Calcium and phosphate transport (rats)
 R01AM-02019-17 Mechanism of bile pigment excretion (human, rats)
 ** R01AM-12626-06 0002 Bile salt malabsorption in man - Phenobarbital and ileal absorption of bile acid (rats)
 R01AM-15631-03 Hepatic and biliary alterations in cholelithiasis (human, hamsters)
 R01AM-15810-03 Studies of thyroid hormone metabolism (human)
 R01AM-16110-03 Bile acids and hepatic subcellular pathology (rats, hamsters, guinea pigs)
 R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
 R01AM-16201-03 Cholestatic liver disease (human, rats)
 P01AM-16281-02 0017 Uremia-pathogenesis, effects, and possible prevention - Effect on structure and function of hepatic endoplasmic reticulum in man
 R01AM-16552-01 Hepatic excretion of anionic drugs
 R01AM-16737-12 Hemolytic anemias in childhood (human, animals)
 R01AM-16774-02 Structural parameters in hepatic disease (rats)

R01AM-17153-01 Mechanisms of bile secretion-Role of sodium transport
 R01AM-17360-01 Liver pathology in experimental porphyria (rats, chick embryo)
 P17AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
 P01CA-12227-04 0001 Core program in carcinogenesis - Biochemical manifestations of aging (rats)
 P01CA-13038-03 0046 Experimental therapeutics and cancer drug program - 3-methylcholanthrene and glucuronide synthesis in perfused rat liver
 R01CA-13206-03 Pharmacology of repressible mixed-function oxidases (rats, guinea pigs)
 R01CA-14360-02 Immunosuppressant effects of sedative hypnotic drugs
 P02CA-15688-01 0019 Program in medical oncology - Interacting effects of anticancer and other drugs (mice)
 ** R01DA-00092-03 Stimulant and sedative effects on animal aggression (monkeys)
 R01DA-01057-01 0005 Drugs of abuse-Pharmacokinetics, metabolism and response - Amphetamines and related compounds (rats)
 P01DE-03841-01 0007 Host response in dental disease - Modification of host response by drugs (human, monkeys)
 P10ES-00002-12 0007 Occupational and environmental health - Interaction of chlorinated hydrocarbons and drugs on microsomal enzymes (rats)
 P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
 R01ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
 R01ES-00362-16 Detoxication mechanisms in insects (houseflies)
 R01ES-00472-05 Hepatocellular metabolism of chlorinated hydrocarbons (rats, monkeys)
 R01ES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
 P01GM-09069-12 0080 Research in anesthesiology - Analytical methodology for measurement of drug concentrations (human)
 R01GM-10848-17 NMR spectroscopy of biologically important compounds (human)
 R01GM-11754-11 Autoradiographic studies of receptors and enzymes (monkeys, rodents, chickens)
 P11GM-12675-10 0014 Biochemical toxicology and pharmacology - Chemical alterations of carbon monoxide induced hepatotoxicity and lethality
 P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)
 P11GM-15190-08 0014 Center for toxicological research and training - Biochemical aspects of lead poisoning (rats, mice, chicks)
 P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
 P11GM-15431-08 0017 Research center for clinical pharmacology and drug toxicology - Anticonvulsant drugs (mice, rats)
 ** P11GM-15431-08 0022 Research center for clinical pharmacology and drug toxicology - Physico-chemical properties and metabolic fate of drugs (rats)
 P11GM-15431-08 0026 Research center for clinical pharmacology and drug toxicology - D-glucuronic acid excretion (human, guinea pigs)
 P11GM-15431-08 0030 Research center for clinical pharmacology and drug toxicology - Drug metabolism
 P11GM-15431-08 0035 Research center for clinical pharmacology and drug toxicology - Biochemical pharmacology of delta-9-tetrahydrocannabinol (rats)
 P11GM-15431-08 0041 Research center for clinical pharmacology and drug toxicology - Influence of liver disease upon drug disposition and elimination (human, rats)
 P11GM-15431-08 0043 Research center for clinical pharmacology and drug toxicology - The influence of hepatic blood flow on drug disposition (rats, monkeys, human)
 P11GM-15477-08 0004 Drug metabolism and biochemical pharmacology - Blood and urine levels as indices of the rate of drug metabolism (human)
 P11GM-15477-08 0005 Drug metabolism and biochemical pharmacology - Metabolism of cyclophosphamide and separation of metabolites (rats, mice)
 P11GM-15477-08 0006 Drug metabolism and biochemical pharmacology - Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice)
 P11GM-15477-08 0007 Drug metabolism and biochemical pharmacology - Selective toxicity of cyclophosphamide (rats)
 ** P11GM-15477-08 0027 Drug metabolism and biochemical pharmacology - Effect of phenobarbital on oxygen needed for hexobarbital metabolism (rats)
 ** P11GM-15477-08 0028 Drug metabolism and biochemical pharmacology - Effect of hemorrhage on the rate of hexobarbital biotransformation (dogs)
 P11GM-15477-08 0032 Drug metabolism and biochemical pharmacology - Enhancement of microsomal aromatic hydroxylation (rats)

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- P11GM-15477-08 0040 Drug metabolism and biochemical pharmacology 2 Kinetics of microsomal drug metabolism (rabbits, guinea pigs, rats)
- P11GM-15477-08 0041 Drug metabolism and biochemical pharmacology - Kinetics induction microsomal drug metabolism-Thiolacetamide, SKF 525A (rats)
- P11GM-15477-08 0042 Drug metabolism and biochemical pharmacology - Independent formation of cytochromes P-450 and P1-450 (rats)
- P11GM-15477-08 0044 Drug metabolism and biochemical pharmacology - Development, induction of microsomal drug metabolizing system (rats)
- P11GM-15477-08 0051 Drug metabolism and biochemical pharmacology - Age, sex and microsomal drug metabolism (rats)
- P11GM-15477-08 0053 Drug metabolism and biochemical pharmacology - Thyroxin
- ** P11GM-15477-08 0060 Drug metabolism and biochemical pharmacology - Oxygen requirement for hemobarbital metabolism (rats)
- P11GM-15477-08 0063 Drug metabolism and biochemical pharmacology - Nature of hepatic and extrahepatic benzopyrene hydroxylase (rats, human)
- ** P11GM-15477-08 0094 Drug metabolism and biochemical pharmacology - Plasma drug content estimation (human)
- ** P11GM-15477-08 0104 Drug metabolism and biochemical pharmacology - Phenobarbital and intrahepatic cholestasis (rats)
- P11GM-15477-08 0113 Drug metabolism and biochemical pharmacology - Metabolism of dihalomethanes and SKF 525-A
- ** P11GM-15477-08 0118 Drug metabolism and biochemical pharmacology - Phenobarbital in the treatment of hyperbilirubinemia (childron)
- ** P11GM-15956-07 0008 Factors affecting the responses to drugs - Bile acid secretion and canalicular bile production (dogs, rabbits, rats)
- P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- P11GM-15956-07 0053 Factors affecting the responses to drugs - Metabolism of orally administered primidone in children of temporal lobe epileps
- P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- ** P11GM-16216-06 0043 Toxicological problems of drugs (placental transfer, lactation) - Kinetics of drug metabolism in the neonate (human)
- R01GM-16488-06 0008 Hepatic microsomal drug oxidation - Effect of substrates on the spin state of cytochrome P-450 (rats)
- R01GM-16488-06 0012 Hepatic microsomal drug oxidation - Effect of the chemical inhibitors metyrapone and diisopropylmethylene benzyl compounds
- P01GM-16496-06 0044 Clinical pharmacology-Pharmacokinetics - Biliary excretion and enterohepatic cycling of drugs
- R01GM-16503-06 Alteration in drug metabolism by certain carbamates (chickens, rabbits, human)
- P01GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
- P01GM-16593-06 0014 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hepatic pharmacodynamics of biliary contrast materials (dogs)
- P01GM-17184-05 0009 Hereditary variations in man which modify drug toxicity - Developmental pharmacology
- ** P01GM-18153-04 0008 Gene control of mammalian cell differentiation - Synthesis of barbiturate ribotides by brain extracts (rats)
- R01GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
- R01GM-19084-03 Ribonuclease inhibition by inducing agents (rats, mice)
- R01GM-19063-01 Role of acidic nuclear proteins in enzyme induction (rats)
- R01GM-20340-01 Circadian rhythms in drug response and drug metabolism
- M01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- P01HD-01799-09 0028 Mental retardation research center - Developmental hepatic physiology and bilirubin encephalopathy (monkeys, human)
- P01HD-02147-08 0012 Extrauterine growth and development - Bilirubin production in infancy (dogs, human)
- ** P01HD-02274-08 0019 Mental retardation and child development - Bilirubin metabolism (human, primates, cattle)
- R01HD-03148-07 Bilirubin metabolism during the perinatal period (human, guinea pigs)
- P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophysal-gonadal axis (rats, human)
- ** R01HD-03783-06 0001 Pathogenesis of neonatal physiologic jaundice - Bilirubin synthesis and hepatic transport (monkeys)
- R01HD-05001-05 Adrenocortical function in abnormal newborn infants (human)
- ** R01HD-05362-04 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- P01HD-05874-04 0001 Biochemical regulation of aging processes - Age-dependent control of enzyme adaptation (rats)
- R01HD-06009-03 Passive narcotic addiction in the human newborn
- P01HD-06321-02 0004 Genetic aspects of human fetal development - Role of drugs in the fetal environment (human)
- P01HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)
- ** R01HD-08708-01 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- M01HD-32719-02 Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs)
- R01H-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
- P01H-10342-09 0015 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the placenta (sheep)
- R01H-15907-01 Steroid metabolism in patients with bronchial asthma (human)
- R23H-17185-01 The lung's role in drug metabolism and disposition (rabbits)
- P01MH-08618-10 0043 Biological studies of psychotic disorders - Tyrosine hydroxylase (rats)
- R10MH-11468-09 0017 Psychopharmacology research center - Metabolic interactions with conjugation of steroids with glucuronic acid (rats)
- R01MH-12279-09 0002 Drug studies with women, elderly and groups - Diazepam in elderly males
- P01MH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)
- R01MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- R01MH-22340-02 New method for studying drug effects on learning (pigeons)
- R01MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- R01MH-25444-01 Drugs, aggression and neurochemistry (mice)
- POINS-02808-13 0029 Special clinical research project in neurophysiology - Effects of diazepam and phenobarbital on cortical and limbic EEG activity (human)
- POINS-03354-13 0004 Neurosensory center - Neurochemistry (human)
- POINS-03360-14 0045 Neurological clinical research center-Epilepsy - Clinical pharmacology-Protein binding of antiepileptic drugs (human)
- R01NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)
- POINS-04053-12 0011 Epilepsy - Behavioral physiology (monkeys)
- POINS-04553-10 0006 Neuropharmacology and neurochemistry program research - Biochemical pharmacology of CNS muscle and other tissues (animals)
- ** POINS-06208-09 0020 Epilepsy research program - Clinical evaluation of dimethoxymethyl phenobarbital (human)
- R01NS-07918-06 Cations and brain glycolytic enzymes (human)
- R01NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
- R01NS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
- R01NS-09835-03 Neuropharmacologic studies in experimental epilepsy (cats, rats, mice, monkeys)
- R01NS-10667-01 Effects of anticonvulsants on cerebellar function (cats, rats)
- R01NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
- R01NS-11126-01 Clinical and basic development of new anticonvulsants
- M01NS-12282-11 Study experimental antiepileptic drugs (monkeys)
- ** M01NS-42330-00 Metabolism of dimethoxymethyl phenobarbital (human)
- M01RR-00036-14 0129 General clinical research center - Anti-convulsant and psychoactive drug induced osteomalacia (human)
- M01RR-00047-14 0106 General clinical research center - Influence of drugs and hormones and metabolism in children
- ** M01RR-00053-13 0043 Clinical research center - Peripheral metabolism of thyroid hormones (human)
- M01RR-00053-13 0073 Clinical research center - Steroid metabolism-Nonspecific illness effects and drug effects (human)
- M01RR-00053-13 0079 Clinical research center - Endocrine effects on leukocytopoiesis (rats)
- ** M01RR-00055-13 0086 General clinical research center - Phenobarbital treatment of cholestasis (human)
- ** M01RR-00059-13 0144 General clinical research center - Hangover effects of flurazepam and phenobarbital (human)
- ** M01RR-00060-13 0051 General clinical research center - Dimethoxymethyl phenobarbital-A new anticonvulsant (human)
- ** M01RR-00068-12 0021 General clinical research center - Effects of phenobarbital on adrenal steroid metabolism in asthmatics (human)
- ** M01RR-00070-12 0071 General clinical research center - Phenobarbital therapy in primary biliary cirrhosis (human)
- ** M01RR-00083-12 0048 General clinical research center - Phenobarbital for primary biliary cirrhosis (human)
- M01RR-00084-12 0025 General clinical research center-children - Lipid abnormalities and relationship to arteriosclerosis
- M01RR-00095-14 0070 General clinical research center - Effect of liver disease on clearance of sedatives (human)
- M01RR-00095-14 0071 General clinical research center - Effect of liver disease on clearance of sedatives (human)
- ** M01RR-00102-11 0010 General clinical research center - Barbiturate therapy to lower hyperbilirubinemia (human)
- M01RR-00102-11 0012 General clinical research center - Lead poisoning (human)
- ** M01RR-00109-11 0046 General clinical research center - Clinical evaluation of dimethoxymethyl phenobarbital
- ** M01RR-00125-11 0118 General clinical research center-adult-child - Phenobarbital therapy in disease cholestatic liver
- M01RR-00125-11 0147 General clinical research center-adult-child - Intrauterine fetal transfusion for erythroblastosis fetalis
- ** M01RR-00125-11 0154 General clinical research center-adult-child - Anticonvulsant action of dimethoxymethyl phenobarbital
- ** M01RR-00125-11 0195 General clinical research center-adult-child - Phenobarbital induction of bile acid secretion in cholestasis
- ** M01RR-00628-04 0052 General clinical research center for children - Interaction of phenobarbital and diphenylhydantoin
- ** M01RR-00633-02 0036 General clinical research center - Effect of phenobarbital on hepatic excretory function (human)
- PYRIMIDINES, BARBITURATES, PRIMIDONE**
- R01AM-00668-20 Calcium and phosphate transport (rats)
- P11GM-15431-08 0017 Research center for clinical pharmacology and drug toxicology - Anticonvulsant drugs (mice, rats)
- ** P11GM-15431-08 0053 Research center for clinical pharmacology and drug toxicology - Investigation of primidone C14 in man
- ** P11GM-15477-08 0094 Drug metabolism and biochemical pharmacology - Plasma drug content estimation (human)
- P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- ** P11GM-15956-07 0053 Factors affecting the responses to drugs - Metabolism of orally administered primidone in children of temporal lobe epileps
- P01GM-15991-06 0013 Anesthesia research center - Local anesthetic toxicity (rats, cats, monkeys)
- P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- R01GM-16503-06 Alteration in drug metabolism by certain carbamates (chickens, rabbits, human)
- P01HD-02528-08 0057 Research center in mental retardation - Pharmacokinetics of anticonvulsants in children
- R01MH-21035-03 Clinical prediction and treatment of episodic violence
- POINS-03354-13 0004 Neurosensory center - Neurochemistry (human)
- POINS-03360-14 0045 Neurological clinical research center-Epilepsy - Clinical pharmacology-Protein binding of antiepileptic drugs (human)
- R01NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)
- POINS-04053-12 0011 Epilepsy - Behavioral physiology (monkeys)
- R01NS-09839-04 Stereochemical basis of anticonvulsant drug activity
- R01NS-11126-01 Clinical and basic development of new anticonvulsants
- ** M01RR-00628-04 0020 General clinical research center for children - Primidone metabolism
- PYRIMIDINES, BARBITURATES, SECOBARBITAL**
- R01AA-00498-03 0015 Clinical studies of alcohol use and abuse - Influence of various drugs, including alcohol, on violent behavior (human)
- ** R01DA-00126-03 Cerebrovascular injury in experimental drug abuse (monkeys)
- ** P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
- P01GM-12527-10 0010 Anesthetic and related drugs - Bioassay of premedication (human)
- ** P11GM-15431-08 0020 Research center for clinical pharmacology and drug toxicology - Secobarbital and barbital (rats)
- P11GM-15477-08 0031 Drug metabolism and biochemical pharmacology - Puromycin aminonucleoside induced hypoproteinemia and barbiturates (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P11GM-15477-08 0103 Drug metabolism and biochemical pharmacology 2 Ketamine-A new dissociative anesthetic agent (rats, human)
- P11GM-16216-06 0045 Toxicological problems of drugs (placental transfer, lactation) - Epoxide formation as a mechanism of drug toxicity (mammals)
- P11GM-16216-06 0046 Toxicological problems of drugs (placental transfer, lactation) - Species difference with respect to toxicity (rabbits, rodents, human)
- P11GM-16216-06 0048 Toxicological problems of drugs (placental transfer, lactation) - Clinical use of drugs in the fetal and neonatal period (rats, guinea pigs)
- P01MH-12568-08 0001 Neuropsychopharmacological studies of attention - Animal development-Rats
- P01MH-12568-08 0002 Neuropsychopharmacological studies of attention - Animal development-Monkeys
- R01NS-06288-10 Metabolic fate of neuropharmacological agents (dogs, rats)
- ** M01RR-00059-13 0158 General clinical research center - Secobarbital-Warfarin interaction (human)

PYRIMIDINES, BARBITURATES, THIOPENTAL

- ** P01GM-09069-12 0076 Research in anesthesiology - Interaction between thiopental and methylphenidate (human, dogs)
- ** P01GM-09069-12 0078 Research in anesthesiology - Pharmacokinetics of stereoisomers of thiopental
- ** P01GM-09069-12 0081 Research in anesthesiology - Thiopental-succinylcholine-oxygen anesthesia (human)
- ** P01GM-09069-12 0087 Research in anesthesiology - Pharmacokinetics of barbiturate thiopental
- ** P01GM-09069-12 0088 Research in anesthesiology - Methylphenidate and metabolism of thiopental (dogs)
- P01GM-09069-12 0091 Research in anesthesiology - Thiopental-succinylcholine-oxygen anesthesia
- P01GM-15571-06 0071 Anesthesia research-Program project - Neuromuscular blocking agents (human)
- P01GM-15991-06 0019 Anesthesia research center - Action of anesthetic agents on synaptic and junctional transmission (rats, human)
- P01GM-15991-06 0095 Anesthesia research center - Anesthesia and anesthetic agents and phagocytosis and antigen processing (human)
- P01GM-15991-06 0100 Anesthesia research center - General anesthetics-Central targets (cats, monkeys)
- P01GM-19599-02 0005 Surveillance and predictive diagnosis in surgical patients - Cardiac function (human)
- P01NS-02808-13 0025 Special clinical research project in neurophysiology - Detection of depth spiking from recordings of cortical EEG (human)

PYRIMIDINES, CYTOSINE

- SEE ALSO PYRIMIDINES ANALOGS, CYTOSINE ANALOGS
- R01AI-11980-01 Immunological tolerance to DNA in murine lupus nephritis (mice)
- P02CA-05837-12 Cancer clinical research
- R01CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
- R01ES-01033-03 Damage to nucleic acids by bisulfite-Sulfur dioxide (E coli, rats, rabbits)
- P01GM-14604-08 0010 Anaerobic bacteriological research program - Nucleic acids

PYRIMIDINES, CYTOSINE, 5-METHYL CYTOSINE

- R01AI-10864-03 DNA methylation control by extrachromosomal factors (E coli, bacteriophages)
- ** R01CA-10665-07 Base analogs and template activity (bacteria)

PYRIMIDINES, DIHYDROOROTIC ACIDS

- R01AM-09406-11 0006 Genetic diseases - Pyrimidine metabolism

PYRIMIDINES, MINOXIDIL

- ** M01RR-00039-14 0047 General clinical research center - Minoxidil as an antihypertensive agent (human)
- ** M01RR-00039-14 0076 General clinical research center - Minoxidil as antihypertensive agent (human)
- ** M01RR-00040-14 0089 General clinical research center - Antihypertensive effects of minoxidil (human)

PYRIMIDINES, OROTIC ACID

- SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, OROTICACIDURIA
- R01AM-08546-10 Metagenesis in the ruminant (cattle, goats)
- ** R01AM-15186-06 Regulation of pyrimidine biosynthesis in the rat
- ** R01AM-17398-02 Pathologic effects on cells of modified lipoproteins (rats)
- R01CA-02924-18 Synthesis and testing of metabolic analogs (protozoa)
- R01CA-13296-02 Selective activation of pyrimidine antimetabolites (mice)
- ** R01CA-17131-07 Regulation of pyrimidine biosynthesis in the rat
- P01HD-02147-08 0002 Extraterrestrial growth and development - Cellular division (mice)

- R01HD-07479-02 Pre-and post natal undernutrition and adaptive capacity (monkeys)
- P17HL-15062-03 0009 Study of lipoproteins, artery wall, and atherosclerosis - Lipoprotein metabolism and secretion in diabetic rats (also swine)

PYRIMIDINES, THYMINE

- R01AI-08133-17 Phage infection-Deoxyribonucleotide and DNA biosynthesis
- R01AI-10056-04 Cellular regulation of growth and DNA synthesis (E coli, wheat)
- ** R01AI-12185-01 Thymine induction of T cell differentiation (mice)
- R01CA-13120-03 Maleimide derivatives as cancer chemotherapeutics
- R01GM-18747-03 Energy transfer and reaction in DNA-histone complexes
- ** R01GM-20275-02 Phosphorescent triplet state of polynucleotides
- R01HD-02506-08 Teratogen and gene interactions on mouse development
- P01HD-06323-03 0003 Cellular senescence and control of cell proliferation - Protein function and its modification by hormones and growth factors (human)

PYRIMIDINES, URACIL

- SEE ALSO PYRIMIDINES ANALOGS, URACIL ANALOGS
- ** R01AM-09314-10 Enzymology of the oxidative metabolism of thymidine (Neurospora, rats)
- R01CA-02924-18 Synthesis and testing of metabolic analogs (protozoa)
- P02CA-11198-06 0007 Cancer research center - Drug action (mice)
- R01CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
- R01CA-13832-02 Enzymatic prediction of response to anticancer drugs (human)
- R01CA-14394-02 Mechanism of thymidylate synthetase-Model studies
- R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
- R01CA-15529-01 Antitumor agents-New compounds and new syntheses
- R01CA-16347-01 Regulation of survival of ultraviolet-irradiated E coli K-12
- R01ES-01033-03 Damage to nucleic acids by bisulfite-Sulfur dioxide (E coli, rats, rabbits)
- R01GM-18348-03 Mutagenic mechanisms
- R01GM-18747-03 Energy transfer and reaction in DNA-histone complexes
- R01HD-02506-08 Teratogen and gene interactions on mouse development

PYRIMIDINES ANALOGS

- SEE ALSO HALOPYRIMIDINES
- SEE ALSO PYRIMIDINE MUSTARDS
- SEE ALSO SELENOPIRIMIDINES
- R01AI-03231-15 Structural basis of antibody specificity (mice, rabbits)
- ** R01CA-02373-19 Nucleoside and nucleotide derivatives
- ** R01CA-02924-18 Synthesis and testing of metabolic analogs (protozoa)
- P01CA-08748-09 5413 Research program of Sloan-Kettering Institute - Combination and single agents-survival of myeloma-bearing mice
- ** R01CA-12422-03 Nucleosides of thiosugars
- P01CA-15936-01 0003 Specialized Cancer Center - Early clinical trial (human)
- R10CA-15947-01 Eastern Cooperative Oncology Group

PYRIMIDINES ANALOGS, CYTOSINE ANALOGS

- ** P02CA-13943-02 0004 Clinical pharmacology immunology cancer research center - Nitrogen mustard analog of cytosine

PYRIMIDINES ANALOGS, URACIL ANALOGS

- SEE ALSO HALOPYRIMIDINES, HALOURACIL
- SEE ALSO PYRIMIDINE MUSTARDS, URACIL MUSTARDS
- SEE ALSO THIOPIRIMIDINES, THIOURACIL
- SEE ALSO TRIAZINES, 6-AZAUACIL
- R01AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
- R01CA-13120-03 Maleimide derivatives as cancer chemotherapeutics
- R01CA-15915-01 A molecular probe for the study of DNA replication (bacteria)

PYRINDOLE

- SEE BENZOPYRROLES, INDOLIZINES

PYROCATECHOL

- SEE PHENOLS, CATECHOLS

PYROGALLOL

- SEE PHENOLS, PYROGALLOL

PYROGENS

- SEE TEMPERATURE (BODY), FEVER, PYROGENS

PYRONES

- SEE OXIMS, PYRONES

PYROPHOSPHATASE

- SEE PHOSPHATASES, PYROPHOSPHATASE

PYROPHOSPHATES

- SEE PHOSPHATES, PYROPHOSPHATES

PYROPHOSPHORYLASES

- SEE PHOSPHORYLASES, PYROPHOSPHORYLASES

PYRROCOLINE

- SEE BENZOPYRROLES, INDOLIZINES

PYRROLE CARBOXYLIC ACIDS

- SEE CYCLIC AMINO ACIDS, PYRROLE CARBOXYLIC ACIDS

PYRROLES

- SEE ALSO ALKALOIDS, CEPHALOTAXINE RELATED
- SEE ALSO BENZOPYRROLES, CARBAZOLES
- SEE ALSO BENZOPYRROLES, INDLES (SEE ALSO APPROPRIATE SPECIFICS UNDER BENZOPYRROLES)

- R01AM-10485-09 Abnormalities of hemoglobin metabolism (human, mice)
- R01AM-12466-10 Porphyrin hemo and bile pigment metabolism (human, hens)
- R01CA-12791-03 Pharmacology of platinum compounds (mice)
- ** R01CA-13288-01 Carcinogen potential of the pyrrolizidine alkaloids
- ** R01CA-15628-01 Pyrrole derivatives as anticancer agents
- ** R01HD-09026-01 Bilirubin photochemistry and pyrrole photoxidation

PYRROLES, TETRAPYRROLES

- SEE ALSO BILE PIGMENTS
- SEE ALSO PHYCOBILINS
- SEE ALSO PORPHIRINS
- R01AM-12913-06 Biochemistry of vitamin B12-factors (bacteria)
- R01AM-15189-09 Enzymatic formation of bile pigments (mice, squirrels, human)
- R01GM-09370-13 X-ray diffraction studies of tetrapyrrole systems

PYRROLDINEDIONES, ETHOSUXIMIDE

- P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)
- P01GM-18715-02 0011 Biochemical effects and chemical reactions of drugs - Isolation and identification of drug metabolites (dogs)
- P11GM-20852-01 0005 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of anticonvulsant drugs (human)
- R01NS-09839-04 Stereochemical basis of anticonvulsant drug activity
- ** N01NS-92196-04 Anticonvulsant properties of ethosuximide and clonazepam (human)
- ** M01RR-00082-12 0098 General clinical research center - Dosage of ethosuximide for petit mal epilepsy (human)
- M01RR-00847-01 0025 Clinical research centers - Clonazepam treatment of absence petit mal epilepsy (human)

PYRROLDINEDIONES, NUCLEAMIDES

- R01AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
- R01CA-12026-05 DNA cysteamine, DNA-N ethylmaleimide studies by ESR (bacteria)
- R01CA-12205-03 Preparation and properties of showdomycin analogs
- ** R01CA-13120-03 Maleimide derivatives as cancer chemotherapeutics
- R01CA-14500-02 Biologically significant polycyclic derivatives

PYRROLDINEDIONES, METHSUXIMIDE

- P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- ** P11GM-16216-06 0036 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism-Methsuximide (human, rodents)
- P11GM-16216-06 0045 Toxicological problems of drugs (placental transfer, lactation) - Epoxide formation as a mechanism of drug toxicity (mammals)
- ** P01GM-18715-02 0011 Biochemical effects and chemical reactions of drugs - Isolation and identification of drug metabolites (dogs)
- P01NS-03360-14 0006 Neurological clinical research center-Epilepsy - Clinical pharmacology of antiepileptic drugs (human)
- R01NS-09839-04 Stereochemical basis of anticonvulsant drug activity

PYRROLDINEDIONES, SUCCINIMIDE

- P01GM-18715-02 0011 Biochemical effects and chemical reactions of drugs - Isolation and identification of drug metabolites (dogs)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PO1GM-18715-02 0012 Biochemical effects and chemical reactions of drugs - Localization of drug metabolizing enzymes

PYRROLIDINES
SEE ALSO PYRIDINES, NICOTINE
R03DA-00965-01 Structural requirements for narcotic antagonists
P11GM-15477-08 0099 Drug metabolism and biochemical pharmacology - Histamine antagonists (guinea pig)
R01NS-11237-02 Brain development in normal and mutants (mice)

PYRROLIDINES, OXOTREMORINE
R01DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
** PO1MS-11131-01 0002 Extrapyramidal and related behavioral disorders - Studies with oxotremorine in mice

PYRROLIDINES, PYROCICLIDINE
R01NS-09835-03 Neuropharmacologic studies in experimental epilepsy (cats, rats, mice, monkeys)

PYRROLIDINES, TREMORINE
** R01ES-00921-02 Cadmium-induced prolongation of drug action (rats)
R01GM-20340-01 Circadian rhythms in drug response and drug metabolism
R01MH-19426-02 Neural responses to relevant and irrelevant stimuli (cats)
PO1NS-09199-04 0009 Effect of L-dopa on synthesis of amines in brain (human, animals) - Role of glial cells in ganglia disorders (chick embryo, rats)

PYRROLIDONE CARBOXYLIC ACIDS
SEE CYCLIC AMINO ACIDS, PYRROLIDONE CARBOXYLIC ACIDS

PYRROLIDONES
SEE ALSO PLASTICS, PVP
SEE ALSO PYRROLIDINES, OXOTREMORINE
** M01RR-00425-06 0047 General clinical research center - Demopram hydrochloride in primary alveolar hypoventilation syndrome (human)

DELTA-1-PYRROLINE-5-CARBOXYLIC ACID
SEE CYCLIC AMINO ACIDS, DELTA-1-PYRROLINE-5-CARBOXYLIC ACID

PYRROLIZINE ALKALOIDS, MONOCROTALINE
SEE ALKALOIDS, MONOCROTALINE

PYRUVATE CARBOXYLASE
SEE CARBON-CARBON LIGASES, PYRUVATE CARBOXYLASE

PYRUVATE DECARBOXYLASE
SEE DECARBOXYLASES, PYRUVATE DECARBOXYLASE

PYRUVATE DEHYDROGENASE
SEE OXIDOREDUCTASES, PYRUVATE DEHYDROGENASE

PYRUVATE KINASE
SEE PHOSPHOTRANSFERASES, ATP-PYRUVATE PHOSPHOTRANSFERASE

PYRUVATE KINASE DEFICIENCY
SEE METABOLIC DISORDERS INBORN, PYRUVATE KINASE DEFICIENCY

PYRUVATE OXIDASE
SEE OXIDOREDUCTASES, PYRUVATE OXIDASE

PYRUVATES
SEE FATTY ACIDS, PYRUVATES

PYURIA
SEE URINARY TRACT INFECTIONS, PYURIA

Q FEVER
SEE RICKETTSIAL DISEASES, Q FEVER

QUADRUPLETS
SEE FAMILY, TWINS AND MULTIPLETS

QUAIL
SEE BIRDS, QUAIL*

QUALITY, DIAGNOSTIC
SEE DIAGNOSTIC QUALITY-STANDARDS

QUALITY OF DRUGS
SEE DRUG QUALITY-STANDARDS

QUALITY OF FOODS
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS

QUALITY OF HEALTH CARE
SEE HEALTH CARE QUALITY

QUALITY OF WATER
SEE WATER QUALITY

QUANTUM (CHEMISTRY)
SEE CHEMISTRY, QUANTUM (GENERAL)

QUARANTINE
SEE COMMUNICABLE DISEASE CONTROL, ISOLATION AND QUARANTINE

QUATERNARY AMMONIUM COMPOUNDS
SEE AMMONIUM QUATERNARY

QUATERNARY PHOSPHINES
SEE PHOSPHONIUM COMPOUNDS

QUEBRACHAMINE
SEE ALKALOIDS, ASPIDOSPERMA

QUEBRACHINE
SEE ALKALOIDS, RAUWOLFIA TYPE, YOHIMBINE

QUESTIONNAIRES
SEE INFORMATION GATHERING (DATA COLLECTION), QUESTIONNAIRES

QUINACRINE
SEE ACRIDINES, QUINACRINE

QUINALDONITRILES
SEE CYANIDES, RESSERT COMPOUNDS

QUINAZOLINES
SEE BENZODIAZINES, QUINAZOLINES

QUINIDINE
SEE QUINUCLIDINES, QUINDINE

QUININE
SEE QUINUCLIDINES, QUININE

QUININE ANALOGS
SEE QUINUCLIDINES, QUININE

QUINOLINE CARBOXYLIC ACIDS, CINCHOPHEN
R01AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
R01AM-17315-01 Conductance pathways in acute gastroduodenal injury (Necturus)

QUINOLINE CARBOXYLIC ACIDS, KYNURENIC ACID
M01HD-22789-03 Interaction of contraceptive steroids and vitamin B6 (human)

QUINOLINE CARBOXYLIC ACIDS, XANTHURENIC ACID
R01CA-05671-14 0012 Glucocorticoid receptors in normal and malignant tissue - Tryptophan oxygenase (rats)

QUINOLINES
SEE ALSO ALKALOIDS, APORPHINES
SEE ALSO ALKALOIDS, CAMPTOTHECIN
SEE ALSO ALKALOIDS, CRINANS
SEE ALSO PHENANTHRIDINES
SEE ALSO QUINUCLIDINES, QUINDINE
SEE ALSO QUINUCLIDINES, QUININE
R01AM-12705-07 Hormone and diet control of gluconeogenesis (rabbits, rats)
R01CA-08349-09 Potential tumor or organ imaging agents
R01CA-16219-01 Potential antiviral and antineoplastic agents (mice)
R01CA-16316-01 Melanoma detection with radiopharmaceuticals
R01EY-00013-08 Experimental optic neuropathies (rats)
** P11GM-14270-08 0043 Human drug metabolism and toxicology - Antimalarials-Quinoline methanols
** R01GM-15425-07 Medicinal photochemistry-Synthesis and reactions
R01GM-18740-01 Structure and mode of action of compound 48/80
R01HL-04300-16 Fine structure of diseased glomeruli (human)

QUINOLINES, BISBENZYLISOQUINOLINES
** R01CA-11445-06 Benzylisoquinoline alkaloid studies
** R01HL-12971-12 Reactions of alkaloids and their analogs

QUINOLINES, BISBENZYLISOQUINOLINES, TUBOCURARINE
** PO1GM-09069-12 0024 Research in anesthesiology - Pharmacokinetics of tubocurarine (human)
PO1GM-09069-12 0072 Research in anesthesiology - Neuromuscular blocking agents in infants and children (human, mice)
** PO1GM-09069-12 0112 Research in anesthesiology - Plasma D-tubocurarine concentration
** PO1GM-09069-12 0114 Research in anesthesiology - Dose-response curve of D-tubocurarine (human)
** PO1GM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue
PO1GM-15430-07 0014 Research in anesthesia - Opioid tolerance and dependence (guinea pigs, human)
PO1GM-15571-06 0071 Anesthesia research-Program project - Neuromuscular blocking agents (human)
PO1GM-15571-06 0072 Anesthesia research-Program project - Comparative pharmacology of inhaled anesthetics
R01MH-21875-03 Biochemical studies of brain synapse regions (rats)
R01NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
R01NS-04618-11 Drug-receptor interactions (animals)
R01NS-08427-06 Stereochemical requirements for NMJ blockade (cats)

** PO1NS-10175-03 0014 Neuromuscular disease research center - Neostigmine and the sensitivity of rat diaphragm to d-Tubocurarine (dTC) (rats)
R01NS-11019-01 Action of amphetamine on cells of the brain
R01NS-11177-01 Neural role in muscular dystrophy (chicken)

QUINOLINES, CHLOROQUINE
R01AI-08970-06 Chemotherapy of malaria
R01AI-12200-01 Mechanistic study of phototoxicity in antimalarials
R01AM-11949-07 Mechanisms of arthritis (human, rabbits)
R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
** PO1AM-15515-03 0005 Psoriasis biology, psoriogenesis and lesion control - Mechanism of psoriogenesis by chloroquin and quinacrine (human)
R10CA-04457-15 Acute leukemia group B
R01CA-08349-09 Potential tumor or organ imaging agents
PO1CA-08748-09 5515 Research program of Sloan-Kettering Institute - Effect of chloroquine on radiation repair in tumor cells (human, mice)
R10CA-10456-07 Acute leukemia group B operations office
** R01CA-12538-03 Cancer-Cell regulation and DNA repair (human, cattle, bacteria)
PO2CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
R01CA-15189-01 DNA repair and carcinogenesis (rodents)
** R01EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)
** PO1EY-00523-13 0017 Sensory disease clinical research center (eye disorders) - Toxic retinal effects of chloroquine retinopathy (human)
P11GM-12675-10 0050 Biochemical toxicology and pharmacology - Glucuronide formation-Morphine and P-nitrophenol (human, cat, rodents)
P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
P11GM-15759-08 0035 Clinical pharmacology in rheumatic and muscular diseases - In vitro studies in animal models (rats, human)
PO1GM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
PO1HL-11414-07 0001 Thrombosis and atherosclerosis program - Initiation of thrombosis (human, rats)
P17HL-14177-04 0004 Center for prevention and treatment of atherosclerosis - Role of lysosomes in atherogenesis (swine)
M01RR-00069-12 0101 General clinical research center, children - Treatment of systemic lupus erythematosus

QUINOLINES, ISOQUINOLINES
SEE ALSO ALKALOIDS, BERBINES
SEE ALSO ALKALOIDS, EMETINE
** R01AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
** R03AA-01199-01 Acetaldehyde and tetrahydroisoquinolines-Toxicology
** R03AA-01254-01 Neurochemical activity of tetrahydroisoquinolines (rats)
** R01AA-01387-01 Catecholamine-derived alkaloids in alcoholism (rats)
R01CA-03287-16 Chemotherapy of experimental mouse tumors
R01CA-10965-05 Alkaloid analogs as potential antineoplastic agents
R01CA-11450-04 A search for anti-cancer drugs (plants)
R01EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)
** R01GM-15425-07 Medicinal photochemistry-Synthesis and reactions
R01GM-17267-03 Intramolecular cyclization of N-alkylpyridinium salts
PO1GM-19527-03 0004 Human genetics - Chronic alcoholism (human, rats)
** PO1NS-11631-01 0058 Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline
** PO1NS-11631-01 0060 Clinical center for research on Parkinson's and allied diseases - Tetrahydroisoquinoline in sympathetically innervated tissues (rats)

QUINOLINES, ISOQUINOLINES, PAPAVERINE
R01AA-00226-07 Effects of alcohol on biogenic amine metabolism (rodents, human)
R01AA-00293-03 Alcohol and behavior-A genetic and biochemical study (rodents, monkeys)
R01GM-15425-07 Medicinal photochemistry-Synthesis and reactions
P11GM-15477-08 0100 Drug metabolism and biochemical pharmacology - Phosphodiesterase inhibitors (cattle)
P11GM-15956-07 0039 Factors affecting the responses to drugs - Effects of aluminum ions on gastrointestinal smooth muscle (rats, guinea pigs)
R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01HL-06664-13 0018 Cardiopulmonary function in remediable vascular disease - Coronary arterial outflow resistance - Effect of nitroglycerine, papaverine
- P01HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)
- R01HL-15365-02 Treatment of post surgical vasoconstriction (dogs, cats, monkeys)
- R01HL-16179-01 Action of vascular and other smooth muscle inhibitors

QUINOLINES, 4-NITROQUINOLINE-N-OXIDE

- R01CA-08936-08 Effect of chemical carcinogens on cells in vitro (human, rodents, viruses)
- P01CA-10815-06 0022 Consolidated basic cancer research program - Cellular and viral factors in integration of the viral genome (hamsters)
- ** P01CA-10815-06 0044 Consolidated basic cancer research program - Effects of chemical carcinogens on tumor viruses (rodents)
- ** R01CA-11479-05 Nucleolar pathology and molecular carcinogenesis (mice)
- P01CA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
- ** R01CA-12717-03 The interaction of 4NQO and DNA (bacillus subtilis)
- R01CA-13058-03 Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)
- ** R01CA-14397-02 Carcinogen-transfer RNA interactions
- R01GM-12702-10 Genetic control of cytochrome C in yeast

QUINOLIZINES, TETRABENAZINE

- R01GM-20602-01 Synthesis of potential new psychoactive molecules
- M01RR-00047-14 0084 General clinical research center - Treatment of Gilles de la Tourette syndrome (human)
- ** M01RR-00047-14 0095 General clinical research center - Tetrabenazine for Gilles De La Tourette syndrome (human)

QUINONES

- SEE ALSO ANTIBIOTICS, PORPHYROMYXIN
- SEE ALSO CYCLIC KETONES, CYCLOHEXADIENONES
- SEE ALSO CYCLIC KETONES, CYCLOHEXADIENONES
- SEE ALSO NAPHTHOQUINONES
- SEE ALSO PIGMENTATION, MELANIN
- SEE ALSO VITAMIN K
- R01AI-03046-15 Electron transport in microorganisms (bacteria, Protozoa)
- R01CA-11450-04 A search for anti-cancer drugs (plants)
- ** R01CA-11890-05 Reactions of azidoquinones with nucleophiles
- P02CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)
- R01CA-14378-05 Biosynthesis of the mitomycin antibiotics
- R01CA-15529-01 Antitumor agents - New compounds and new syntheses
- M01CM-33743-02 Synthesis of unique compounds for cancer chemotherapy studies
- R01ES-00223-09 Comparative toxicology of certain pesticides (mice, human, algae, bacteria)
- R01GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- R01HL-16912-01 The role of vitamin K in prothrombin biosynthesis (rats)
- P01NS-11631-01 0057 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine (mice, rats)

QUINONES, SEMIQUINONES

- SEE ALSO CYCLIC KETONES, CYCLOHEXADIENONES
- R01GM-12176-10 0005 Redox reactions by optical and EPR spectrometry - Proton relaxation studies on flavoproteins
- R01GM-12176-10 0009 Redox reactions by optical and EPR spectrometry - Complexes between electron transfer proteins (plants)
- R01GM-16429-06 Enzymes in the crystalline state - Structure and activity (bacteria, plants)

QUINONES, UBIQUINONES

- R01AI-03046-15 Electron transport in microorganisms (bacteria, Protozoa)
- R01AM-01489-17 Toxic liver necrosis and fatty liver (rats)
- ** R01AM-10004-10 Biosynthesis of coenzyme Q (rats)
- R01CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
- R26CA-14135-02 Immunology of bladder tumors (human, rats)
- P01ES-00049-10 0012 Mode of action and metabolism of organic toxicants - Binding sites of inhibitors and uncouplers in the respiratory chain
- P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
- ** R01GM-20311-06 Biosynthesis of ubiquinone (rats, bacteria)
- ** R01NS-11205-01 Barbiturate complexation with mitochondrial coenzymes
- ** M01RR-00064-10 0066 General clinical research center - Hexahydrocoenzyme Q4 - Investigation of toxicity (human)

QUINOXALINES

SEE BENZODIAZINES, QUINOXALINES

QUINTUPLETS

SEE FAMILY, TWINS AND MULTIPLETS

QUINUCLIDINES

R01CA-12020-03 Synthesis of actinobolamine and related molecules (streptomycetes)

QUINUCLIDINES, QUINIDINE

- P11GM-15759-08 0042 Clinical pharmacology in rheumatic and muscular diseases - Electrophysiological studies of human skeletal muscle and effects of drugs
- P01GM-16496-06 0040 Clinical pharmacology - Pharmacokinetics - Animal research in drug toxicity (dogs)
- ** P01GM-16496-06 0047 Clinical pharmacology - Pharmacokinetics - Quinidine maintenance therapy in atrial arrhythmias (human)
- P01HD-06267-03 0001 Role of biological membranes in aging processes - Changes in cardiac membrane properties (rats)
- ** P01HL-06285-14 0162 Cardiovascular-respiratory physiology and biochemistry - Electrophysiology and pharmacokinetics of quinidine infusion in man
- ** P01HL-10539-09 0036 Pathophysiology of circulation - Effects of quinidine and propranolol on ventricular arrhythmias (human)
- R01HL-11155-08 Conduction in the myocardium (animals)
- P01HL-12373-06 0013 Cardiopulmonary physiology and pathophysiology - Effects of cardiovascular drugs on left ventricular function (dogs)
- R01HL-13321-04 Effect of drugs on Purkinje and ventricular fibers (dogs, guinea pigs)
- P01HL-13480-04 0021 Cardiac electrophysiology - Fibrillation threshold studies
- R01HL-13666-03 Pharmacologic studies on the genesis of cardiac rhythmicity (rabbits, cats)
- R01HL-14326-03 Antiarrhythmic drug evaluation (dogs)
- R01HL-14538-04 Subcellular mechanisms in cardiac contractility (dogs, rabbits)
- R01HL-14602-03 Ventricular arrhythmias in coronary heart disease (human)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- P01HL-14780-02 0014 Mechanisms and treatment of cardiovascular diseases - Cardiac rhythm and disorders - Localization of escape pacemaker foci (human)
- P01HL-14780-02 0020 Mechanisms and treatment of cardiovascular diseases - Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat)
- R01HL-14796-02 New antifibrillatory drug (rabbits, cats, dogs)
- R01HL-15190-02 Physiological basis of arrhythmias and their therapy (human)
- R01HL-15247-02 Extending the life of implanted pacemakers (dogs)
- R01HL-16283-01 Pharmacologic studies of coronary occlusion arrhythmias
- P01NS-05785-09 0006 Causes of deafness - Changes in absolute threshold (monkeys)
- ** M01RR-00037-14 0108 General clinical research center - Effects of procainamide on exertional arrhythmia
- ** M01RR-00076-12 0074 General clinical research center - Quinidine and propranolol for ventricular irritability of exercise (human)

QUINUCLIDINES, QUININE

- ** R01AI-12200-01 Mechanistic study of phototoxicity in antimalarials
- R01ES-00472-05 Hepatocellular metabolism of chlorinated hydrocarbons (rats, monkeys)
- R01GM-09686-13 Chemistry of natural products
- P11GM-15956-07 0001 Factors affecting the responses to drugs - Antacid effect on gastrointestinal drug absorption (rodents, human)
- P11GM-15956-07 0062 Factors affecting the responses to drugs - Effects of irradiation on gastrointestinal drug absorption in mice and rats
- P11GM-15956-07 0066 Factors affecting the responses to drugs - In vivo kinetics of drug absorption from the bladder of rabbits
- R01NS-04262-12 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- R01NS-12028-01 Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs)
- M01RR-00044-14 0073 General clinical research center - Cardiac conduction abnormalities in myotonic dystrophy (human)
- M01RR-00828-01 0019 General clinical research center - Effect of anticholinergic and antacid drugs on absorption of oral drugs (human)

R-FACTOR

SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, EPISOMES, R-FACTOR

RABBITS

SEE MAMMALS, LAGOMORPHS*

RABIES

SEE NERVOUS DISORDERS CENTRAL, RABIES

RABIES VACCINE

SEE VACCINES, VIRAL, RABIES VACCINE

RABIES VIRUS

SEE VIRUSES, RHABDOVIRUSES, RABIES

RACEMIZATION

SEE CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION

RACIAL STOCKS

SEE SOCIAL GROUPS, RACIAL STOCKS

RADARKYMOGRAPHY

SEE CARDIOVASCULAR VISUALIZATION, RADARKYMOGRAPHY*

RADIATION

- SEE ALSO ENERGY SOURCES, ATOMIC POWER
- ** P02CA-05838-13 0030 Clinical radiotherapy cancer research center - Radiotherapy physics
- ** R01CA-13779-02 Split-dose repair - Dividing vs post-mitotic cells (insects)
- ** R13CA-15041-01 Vth International Congress of Radiation Research
- P01CA-15820-01 0004 Comparative Oncology Research Program - Therapeutic studies - Radiation dose response assays
- P01CA-15820-01 0005 Comparative Oncology Research Program - Therapeutic studies - Normal tissue response
- P01DE-02953-06 0015 Developmental biology of calcified tissues - Point-defect structure and properties of apatite
- ** R01FD-00675-01 Ultrasonic radiation of nucleic acid and components
- P01HL-12738-06 0057 Physiologic pharmacology and its clinical applications - Tensile strength of autogenous systemic veins and venous space autografts (human)
- ** P01HL-12738-06 0058 Physiologic pharmacology and its clinical applications - Aortic valve homografts sterilized by electron beam energy-pathology
- P01HL-12738-06 0059 Physiologic pharmacology and its clinical applications - Vein homograft sterilized by electron beam for coronary surgery (dogs, human)

RADIATION, ELECTROMAGNETIC WAVES

- SEE ALSO OPTICS, LIGHT EMISSION (GENERAL)*
- SEE ALSO PHOTOBIOLOGY
- SEE ALSO PHOTOCHEMISTRY
- SEE ALSO PHOTSENSITIVITY
- R01AI-03046-15 Electron transport in microorganisms (bacteria, Protozoa)
- P01CA-14395-02 0008 Cancer research center of Greater Miami - Therapy and pyrimidine catabolism, radiation and repair (mammals)
- R01FD-00639-06 Thermoluminescent dosimeter crystals
- R01FD-00652-03 Radiation quantities, units and measurement technology
- ** R01FD-00678-01 Electromagnetic radiation and biological systems
- R01FD-00686-01 Ocular pathology from electromagnetic radiation
- R01GM-14312-20 Internal bonding in proteins
- R01GM-19181-03 Spectroelectrochemistry of bio-electron transfers

RADIATION, ELECTROMAGNETIC WAVES, GAMMA RAYS

- R22AI-09280-06 Immune mechanisms and immunizing agents in filariasis (birds, dogs)
- R01CA-05654-14 Evaluation of supravoltage therapy (human)
- ** P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
- P01CA-08748-09 5612 Research program of Sloan-Kettering Institute - Bone mineralization measurement (human)
- P02CA-10438-08 0010 Clinical radiation therapy research center - Cell kinetics (mice, human)
- R01CA-11138-06 Radiobiology of normal tissues (mice)
- R01CA-11430-09 0033 Biomathematics and computing in a cancer institute - Computer dose distributions from external x and gamma-ray sources
- R01CA-11953-03 Ultraviolet and ionizing radiation damage (hamsters, frogs)
- ** P01CA-12536-04 0004 Effects of small doses of ionizing radiation - Genetic effects (Drosophila)
- R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- R01CA-13252-03 Irradiation of tumor membranes and chromosomes (human, primates, rodents, plants)
- P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ** R01CA-13437-02 Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals)
- R01CA-13779-02 Split-dose repair - Dividing vs post-mitotic cells (insects)
- R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
- R01CA-14228-02 Role of immunosuppression in radiation induced leukemia (mice)
- R01CA-15139-01 Dose-rate dependence of tumor cure in radiotherapy (mice)
- ** P10ES-00002-12 0015 Occupational and environmental health - Recovery from radiation injury in amoeboid cell (cow)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- R01GM-16188-05 Detection and measurement of radionuclide (phantom models)
- ** R01GM-16620-06 Gamma ray effects on D discoideum
- ** R01GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)
- ** P01GM-18940-02 0001 Study of radiologic images - Measurement of x-ray spectra (model)
- P01GM-21017-01 0007 Diagnostic radiology method development - Medical applications of fluorescence analysis (dogs, human)
- P01GM-21017-01 0012 Diagnostic radiology method development - Xenon filled chambers and Fresnel zone plate for radionuclide imaging
- ** R01HD-05783-03 0001 Induction in irradiated nuclear transfer embryos (salamanders, newts) - Effect of ionizing and UV radiation on amphibian ontogeny (anurans)
- ** P01HL-08214-11 0011 Chemical and biological properties of lipids - High energy irradiation of lipids (rats, fish)
- ** R01NS-22323-04 Semiconductor gamma camera system for nuclear medicine
- ** P07RR-00273-09 0014 Mass spectrometric facility for biomedical research - Gamma irradiation of sugar

RADIATION, ELECTROMAGNETIC WAVES, INFRARED RAYS

- ** R01DE-03969-01 Infrared emissivity of teeth and intraoral mucosa
- ** P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
- ** P01ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
- R01EY-01261-01 0001 Image processing for clinical ophthalmology - Choroidal circulation using infrared angiography (monkeys)
- R01FD-00651-03 Genetic effects of microwave radiations (microorganisms)
- R01FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
- R01HL-12147-07 0006 Histochemistry of early atherosclerotic lesions - Infrared fluorescence
- P01NS-07226-06 0017 Neurosensory interdisciplinary research program - Evaluation of the clinical eye movement detector (primates)

RADIATION, ELECTROMAGNETIC WAVES, MICROWAVE RADIATION

- P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- ** R01FD-00534-02 Research on cumulative microwave radiation exposure
- R01FD-00639-06 Thermoluminescent dosimeter crystals
- ** R01FD-00646-05 Quantitative effects of EM energy on human tissues (and cats)
- ** R01FD-00649-03 Effects of microwaves on CNS liver, and heart (hamsters)
- ** R01FD-00650-02 Biopsychological studies of microwave irradiation
- ** R01FD-00651-03 Genetic effects of microwave radiations (microorganisms)
- ** R01FD-00661-01 Vestibulo-cochlear effect of UHF-microwave radiation
- ** R01FD-00668-01 Microwaves-Environmental factor-A molecular view
- ** P01GM-16436-06 0034 Bioengineering program project - Diagnostic and therapeutic applications of microwaves (human)
- P01GM-16436-06 0056 Bioengineering program project - Radio-frequency and microwave signal monitor
- ** R01GM-20370-02 Noninvasive sensing of subcutaneous temperatures (human, mammals)
- P01HD-03298-13 0001 Developmental pathology - Cytogenetics (human)
- ** P01HD-03298-13 0015 Developmental pathology - Experimental cytogenetics (mice)
- R01HL-14408-03 Atherosclerosis and radio frequency irradiation (rabbits, rats, monkeys)
- R01OH-00465-03 Current trends in survivorship of radiologists (humans)

RADIATION, ELECTROMAGNETIC WAVES, SOLAR RADIATION

- SEE ALSO PHOTOPROTECTIVE AGENTS, SUNSCREENING AGENTS
- ** R01AM-09995-09 Action spectra and biochemistry of photodermatoses (human, mice)
 - R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
 - ** R01AM-15515-03 0006 Psoriasis biology, psoriogenesis and lesion control - Therapeutic mechanism of sunlight
 - R01AM-16508-02 Analog systems for biological porphyrins
 - ** R01AM-17745-01 Mechanism of protective action of carotenoids (mice)
 - R01CA-13675-01 Determinants of fatal skin tumors (human)
 - M P01ES-00269-08 Biological effects of environmental radiation
 - ** P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)

- ** P01ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
- ** P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- P01ES-00454-06 0024 Biological effects of environmental agents - Repair mechanisms in genetic damage and influence of environmental agents (human)
- P10ES-00928-01 0005 Environmental agents-Relation to human health effects - Benzopyrene exposure, sunlight and skin cancer (human)
- R01FD-00033-03 Photolysis of pesticides (foods)
- R01GM-20117-11 Fast photosensitized reactions of aromatic compounds (human)
- ** R01HD-04375-04 Role of light in CNS-pituitary-gonadal control (rats)

RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS

- R01AI-01218-18 The mechanism of bacterial transformation (yeasts)
- R01AI-05371-12 The physiology of bacterial conjugation
- R01AI-06966-09 Capsule synthesis, division and radiation sensitivity (bacteria)
- R01AI-07168-09 Genetics and physiology of Salmonella typhimurium (mice, E coli)
- R01AI-10778-03 Induced mutations in bacteria (E coli)
- ** R01AM-00709-21 Ultraviolet irradiation of natural products
- P01AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
- R01AM-09995-09 Action spectra and biochemistry of photodermatoses (human, mice)
- ** R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- ** P01AM-15515-03 0006 Psoriasis biology, psoriogenesis and lesion control - Therapeutic mechanism of sunlight
- R01AM-16002-02 DNA repair mechanism in systemic lupus erythematosus (mice)
- R01CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
- R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- R01CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- ** R01CA-05003-16 0004 Dermatologic reactions induced by solar radiation - Action of ultraviolet radiation on human skin melanocytes
- ** R01CA-05003-16 0005 Dermatologic reactions induced by solar radiation - Additive effects of UV-A and UV-B on the development of erythema (human)
- ** R01CA-05003-16 0007 Dermatologic reactions induced by solar radiation - Effects of ultraviolet laser on mammalian skin (human, guinea pigs)
- ** R01CA-05003-16 0009 Dermatologic reactions induced by solar radiation - Psoralens and UV-A or sunlight to increase tolerance to sunlight
- R01CA-05262-14 Iododeoxyuridine, iodo-DNA and biological activity (mice)
- R01CA-05687-14 Genetics of radiation and radiomimetic agents (microorganisms)
- ** R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- P02CA-06519-12 0004 Radiation therapy and biology research program - Biological evidence for repair of psoralen cross-links in bacterial cells
- ** P02CA-06519-12 0022 Radiation therapy and biology research program - Cellular recovery mechanisms, DNA repair and radiation sensitization
- P02CA-06519-12 0023 Radiation therapy and biology research program - Characteristics of a strain of E coli K12 carrying rca ts
- ** P02CA-06519-12 0088 Radiation therapy and biology research program - Viral proteins in SV-40 infected mammalian cells
- P02CA-06519-12 0105 Radiation therapy and biology research program - Cross-links between strands produced by psoralen and near ultraviolet light
- P02CA-06519-12 0108 Radiation therapy and biology research program - Role of UVRC gene product in excision repair of UV-irradiated E coli
- R01CA-07773-11 Application of electrochemistry to radiation biology
- ** R01CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
- P01CA-10748-07 0005 Cancer chemotherapy program - Radiation sensitizing effects of 5-iodo-2'-deoxyuridine (tissue culture)
- P01CA-10815-06 0026 Consolidated basic cancer research program - Relationship between SV40 integration and cellular DNA repair (monkeys)
- R01CA-10978-06 Enzyme control mechanisms in chemical carcinogenesis (mice, rats)
- R01CA-11751-05 Effects of radiation on stationary cells (mammals, human)
- ** R01CA-11953-03 Ultraviolet and ionizing radiation damage (hamsters, frogs)

- ** R01CA-12133-03 Restoration of bacterial chromosome from UV-damage (microorganisms)
- ** R01CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- ** R01CA-12759-03 Effect of environmental factors on ultraviolet injury (mice, rabbits)
- P01CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- R01CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- R01CA-13058-03 Interaction of carcinogens with DNA repair of lesions (shime molds, bacteria)
- R01CA-14005-02 The photoreactivating enzyme in repair of DNA (E coli)
- R01CA-14047-02 Methylations in tumors (rabbits, chickens, anurans, bacteria)
- P01CA-14193-02 0009 Comparative leukemia studies unit - Detection of RadLV or genome in lymphoma (tissue culture, rats)
- R01CA-14799-01 Role of a human cell endonuclease in repair of DNA
- R01CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- R01CA-15605-01 Chemotherapeutic agents and ultraviolet carcinogenesis (mice)
- P01CA-15655-01 0035 Cancer center support grant - Early diagnosis of skin cancer by ultraviolet video techniques (human)
- N01CP-33202-01 Carcinogenic properties of industrial chemicals (hamsters, mice)
- N01CP-43214-00 Latent virus infection and transmission of C-type particles (monkeys, human)
- ** N01CP-43271-00 UV photocarcinogenesis (mice)
- N01CP-45600-00 Determining the effect of chronic immunosuppression (mice)
- P01DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- P01DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
- R01DE-03456-03 Viruses of cariogenic streptococci
- ** P10ES-00002-12 0015 Occupational and environmental health - Recovery from radiation injury in amoeboid cell
- P10ES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (humans)
- ** P10ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
- ** P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
- P01ES-00269-08 0003 Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
- ** P01ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
- ** P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- ** P01ES-00454-06 0006 Biological effects of environmental agents - Control of airborne infection in hospitals and laboratories
- ** P01ES-00454-06 0024 Biological effects of environmental agents - Repair mechanisms in genetic damage and influence of environmental agents (human)
- R01EY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- ** R01EY-00459-05 Near ultraviolet light effects on ocular tissues (human, animals)
- ** R01FD-00033-03 Photolysis of pesticides (foods)
- R01FD-00530-01 Mechanisms of radiation resistance in microorganisms (S typhimurium)
- R01FD-00610-01 Photolysis in nitrite or nitrate treated foods
- R01FD-00639-06 Thermoluminescent dosimeter crystals
- ** R01FD-00658-03 Cellular damage by visible and near-visible light (bacteria)
- R01GM-12179-10 Developmental control mechanisms (Euglena, B subtilis)
- R01GM-12702-10 Genetic control of cytochrome C in yeast
- R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- R01GM-14595-08 0008 Continuity of cellular organelles - Photoreactivating enzymes (Euglena)
- R01GM-15881-14 Enzymatic excision and repair mechanism
- ** R01GM-16547-09 Repair of radiation-damaged nucleic acid (bacteria, yeast, algae)
- R01GM-18012-04 Biochemical and genetic studies of DNA synthesis (viruses and bacteria)
- R01GM-18487-03 Mosaicism and developmental genetics (Drosophila)
- R01GM-18633-07 Analysis of the genes involved in tRNA production (Salmonella typhimurium)
- R01GM-18831-03 DNA maintenance systems (fungi)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-19010-03 DNA repair in *Escherichia coli* and *Bacillus subtilis*
- ** R01GM-19362-06 Biological importance of pyrimidine photohydrates
- P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- P01GM-19513-03 0017 Human genetics - Fish-hybrid melanoma control, a cancer genetics model (platyfish, swordtail)
- R01GM-19703-01 Role of methylation in DNA replication and repair (*E. coli* mutants)
- R01GM-20117-11 Fast photosensitized reactions of aromatic compounds (humans)
- R01GM-21050-01 Molecular mechanism of control of gene function (bacteriophage, bacteria)
- ** R01GM-21095-01 DNA metabolism in eukaryotes (green algae)
- P01HD-03803-06 0004 Control mechanism in reproduction and development - Embryological development in insects (*Ocypoptus*, *Pyrrhocoris*, *Drosophila*)
- ** R01HD-05783-03 0001 Induction in irradiated nuclear transfer embryos (salamanders, newts) - Effect of ionizing and UV radiation on amphibian ontogeny (anurans)
- R01HD-05783-03 0003 Induction in irradiated nuclear transfer embryos (salamanders, newts) - Differentiation of nuclear transplant embryos (frogs)
- R01HD-07983-01 Ultrastructural studies of embryonic determination (*Drosophila*)
- P17HL-14217-04 0036 Specialized center of research in thrombosis - Vascular smooth muscle
- R01HL-15768-02 Quantitative dermatology-xenon skin blood flow (human)
- ** M01RR-00240-10 0103 General clinical research center - Children - Effect of ultra violet light on D and DHT metabolism
- RADIATION, ELECTROMAGNETIC WAVES, X-RAYS**
- R01AI-03047-16 Cell interaction in antibody formation (mice)
- R01AI-06966-09 Capsule synthesis, division and radiation sensitivity (bacteria)
- R22AI-08417-06 Cultivation of *M. leprae* in tissue culture (rats)
- R01AI-10497-03 Response of thymus derived cells to antigen (mice)
- R01AI-10990-03 Radiation pathology and treatment in germfree mice (and hamster)
- R01AM-07126-11 Metabolism of human bone
- R01AM-08263-11 Kinetics of megakaryocyte and platelet turnover (mice, rats)
- P01AM-08445-10 0021 Biology of skin of man and other primates - The hair growth cycle (rats)
- P01AM-08445-10 0022 Biology of skin of man and other primates - Pigmentation of the stump tailed macaque
- R01AM-11649-06 Percutaneous absorption (human, rats, mice)
- R01AM-15758-03 Control of cell proliferation in the intestine (rats)
- R01CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
- R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- R01CA-03983-16 Free radicals in physiological and pathological processes (rats)
- ** R01CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- R01CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- R01CA-05262-14 Iododeoxyuridine, iodo-DNA and biological activity (mice)
- P02CA-05837-12 0002 Cancer clinical research - 5-Fluorouracil (human)
- R01CA-05959-13 Genetic-cytochemical studies on haploid cells in culture (frogs)
- ** R01CA-06097-13 Response of pigment cells to X- and UV-radiations (rodents, chick embryo)
- R01CA-06437-13 Molecular basis of radiation lethality (bacteria)
- P02CA-06519-12 0075 Radiation therapy and biology research program - Replication and transfer of plasmid DNA in *E. coli*
- ** P02CA-06519-12 0087 Radiation therapy and biology research program - Determination of high energy x-ray spectra by photonuclear reactions
- P02CA-06519-12 0109 Radiation therapy and biology research program - Phase-induced x-ray resistance in *E. coli*
- P02CA-06519-12 0112 Radiation therapy and biology research program - Determination of high-energy X-ray spectra by photonuclear reactions
- P01CA-06927-12 0009 Biological and biochemical program in cancer research - Nature of genetic change and gene expression in somatic cells (frogs)
- P01CA-07368-11 0013 Interrelationships of normal and cancer cells - Radiation biology of astrocytoma
- R01CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- R01CA-08231-10 0003 Radiobiology research program - Tumor bed damage and metastasis (mice)
- ** R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
- R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
- R01CA-08518-07 0005 Lysosomal enzymes in x-irradiated tumor cells - Mechanism of action of Trypan Blue
- ** R01CA-08618-09 Cellular responses to irradiation (hamsters)
- P01CA-08748-09 5552 Research program of Sloan-Kettering Institute - Radiation responses of drug-resistant and drug-sensitive cell lines (hamsters)
- ** P01CA-08748-09 6309 Research program of Sloan-Kettering Institute - Biological effectiveness (RBE) of neutron-radiation on embryogenesis (rats)
- ** P02CA-08832-08 0112 An integrated study of advanced malignant diseases - Cytolytic effect of x-radiation and cell-mediated immune reactions on neoplasms
- ** P02CA-08832-08 0113 An integrated study of advanced malignant diseases - Early vascular changes in x-radiated Walker carcinoma 256 in rats
- ** P02CA-08832-08 0115 An integrated study of advanced malignant diseases - Vascular changes in neuroblastoma of mice from x-radiation
- ** P02CA-08832-08 0117 An integrated study of advanced malignant diseases - Effect of various atomic number absorbers on skin dose for 10MV x-rays
- P02CA-08832-08 0118 An integrated study of advanced malignant diseases - Dosage of moving-strip 10MV x-ray abdominal radiation
- ** P02CA-08832-08 0119 An integrated study of advanced malignant diseases - Synergistic effects of iodoacetamide and x-rays
- ** R01CA-10714-07 Repair of radiation damage to cellular DNA (hamsters)
- P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poikilothermic vertebrate cells or viruses
- R01CA-10941-06 Proliferation and differentiation of stem cells (mice)
- ** P02CA-11051-06 0031 Clinical radiation research center - Dose response relations for localized bone marrow irradiation (rabbits)
- ** P02CA-11051-06 0041 Clinical radiation research center - Radiation physics-X-ray spectrum alteration due to tissue differences
- ** P02CA-11051-06 0044 Clinical radiation research center - Radiation pathology-Sarcoma response to x-rays (hamsters)
- ** P02CA-11051-06 0045 Clinical radiation research center - Radiation pathology-Carcinoma response to x-rays (hamsters)
- P02CA-11051-06 0046 Clinical radiation research center - Radiation pathology-Sarcoma immunology (hamsters)
- P02CA-11051-06 0048 Clinical radiation research center - Radiation pathology-Tumor microvasculature response (hamsters)
- P02CA-11051-06 0049 Clinical radiation research center - Radiation pathology-Tumor parenchymal and endothelial cells (hamsters)
- P02CA-11051-06 0053 Clinical radiation research center - Radiation pathology-Hepatitis alteration by heparin (rats)
- R01CA-11138-06 Radiobiology of normal tissues (mice)
- R01CA-11430-09 0033 Biomathematics and computing in a cancer institute - Computer dose distributions from external x- and gamma-ray sources
- R01CA-11430-09 0044 Biomathematics and computing in a cancer institute - Elemental concentrations in blood serum from x-ray data
- P02CA-11602-05 0003 Research and clinical radiation center - Repair kinetics of radiation induced cell division delay
- P02CA-11602-05 0005 Research and clinical radiation center - Radiosensitivity and radiation repair kinetics of diploid tetraploid cho cells
- P02CA-11602-05 0006 Research and clinical radiation center - Interaction of hyperthermic damage with radiation damage
- P02CA-11602-05 0007 Research and clinical radiation center - Chinese hamster ovary fibroblasts in vivo (hamsters)
- R01CA-11751-05 Effects of radiation on stationary cells (mammals, human)
- R01CA-12076-03 Cell kinetics in irradiated tumors of different growth (mice)
- R01CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
- P02CA-12197-03 0028 Multidisciplinary oncology research center - Time-radiation dose relationship to biologic damage (rats)
- ** P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
- P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- ** P01CA-12536-04 0001 Effects of small doses of ionizing radiation - Radiation carcinogenesis (rats)
- ** P01CA-12536-04 0003 Effects of small doses of ionizing radiation - Malignant transformation of mammalian cells (hamsters)
- ** P01CA-12536-04 0006 Effects of small doses of ionizing radiation - Aberrations, mutations and lethality in *Tradescantia*
- P01CA-12536-04 0009 Effects of small doses of ionizing radiation - X-ray cell transformation of rat and hamster embryos
- ** P01CA-12542-03 0002 Fast neutron therapy with TAMVEC cyclophosphamide - Cellular radiobiology (human, hamsters)
- R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mica)
- R01CA-12693-03 Modification of x-ray induced damages in phase T4
- R01CA-12757-03 Hemopoietic stem cell-Relation to CFC and CFU (mice)
- R01CA-12758-02 Modification of tumor growth in hepatomas by radiation (rats)
- R01CA-12933-03 Histone metabolism in neoplastic tissues (mice, rats)
- R01CA-12944-03 Induction of leukemia in rodents by radiation
- R01CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
- R01CA-13004-03 Effect of irradiation on ⁶⁷Ga localization in animals (mice)
- P02CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)
- P02CA-13053-03 0087 Clinical cancer radiation therapy research center - X-ray induced malignant cell transformation (mice)
- R01CA-13058-03 Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)
- R01CA-13252-03 Irradiation of tumor membranes and chromosomes (human, primates, rodents, plants)
- R01CA-13270-02 Effects of fast neutrons on cultured mammalian cells
- R01CA-13299-02 Cure of advanced mouse lymphoma by total body x-ray
- ** R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
- P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- ** R01CA-13353-02 Vascularity and reoxygenation in x-irradiated tumors (rats)
- P02CA-13525-03 0008 Program for treatment of malignant brain tumors - Experimental chemotherapy of brain tumors (mammals)
- ** R01CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
- R01CA-13779-02 Split-dose repair-Dividing vs post-mitotic cells (insects)
- R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
- P01CA-14043-01 0002 Radiation therapy clinical and research center - Clinical applications of electron radiography
- ** P01CA-14089-01 0056 Pilot multidisciplinary cancer research program - Effect of x-irradiation on tissue proteins
- ** R01CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
- R01CA-14165-02 Optimization of radiation therapy (mice)
- P01CA-14193-02 0009 Comparative leukemia studies unit - Detection of RadLV or genome in lymphoma (tissue culture, rats)
- R01CA-14228-02 Role of immunosuppression in radiation induced leukemia (mice)
- R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
- R01CA-14374-02 0002 Effect of radiotherapy on host immune reactions - Release of tumor specific antigen following local irradiation (rats, mice)
- R01CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
- R01CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- ** R01CA-14876-02 Cell mediated immunological defects in man after irradiation
- R01CA-15139-01 Dose-rate dependence of tumor cure in radiotherapy (mice)
- R01CA-15201-01 Experimental radiotherapy-Basis and modification (mice)
- R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- R01CA-15450-02 0001 Mutation in diploid human somatic cells - In vitro mutant somatic cell detection (human)
- ** R01CA-15670-01 Effects of x-irradiation on the phagocytic response (human, mammals nonhuman)
- R01CA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
- P01CA-16359-01 0021 Cancer center support grant - DNA repair in bacteria and mammalian cells
- M01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
- M01CM-43714-00 Therapy of patients with testicular carcinoma
- ** M01CP-43229-00 Carcinogenesis by radiation plus estrogen (rats)
- P01DE-01774-13 Research program on dynamics of speech articulation (human)

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(contd)

- ** R230E-03516-03 Parotid gland subcellular response to X-irradiation (rats)
- ** R01DE-03666-01 Parotid gland secretion following X-irradiation (human)
- P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary coils (human)
- P10ES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (human)
- ** P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
- P10ES-00260-12 0029 Research in the environmental health sciences - Breast cancer after postpartum mastitis
- P01ES-00269-08 0003 Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
- R01FD-00634-11 Neoplasms in irradiated human populations
- ** R01FD-00640-06 Time-radiation dose relationship to biologic damage (rats)
- R01FD-00645-05 Radiation damage-Metabolism in reproductive system (mice, rabbits)
- R01FD-00654-03 F2 effects from x-ray of human female fetuses
- R01GM-12702-10 Genetic control of cytochrome C in yeast
- R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- ** R01GM-13631-09 Comparative studies on induced mutation in *Drosophila*
- P01GM-15422-07 0012 Program project in genetics - Genetic effects of irradiation (rats)
- P01GM-15422-07 0016 Program project in genetics - Population genetics (*Drosophila*, human)
- P01GM-15422-07 0017 Program project in genetics - Genetic effects of irradiation (*Drosophila*)
- P11GM-15956-07 0014 Factors affecting the responses to drugs - Hypersensitivity and drug effects (mice)
- R01GM-17423-04 Studies on shock (rats, bacteria, mice)
- R01GM-18487-03 Mosaicism and developmental genetics (*Drosophila*)
- P01GM-18674-03 0004 Diagnostic radiology research and training center - Quantitative evaluation of criteria in radiologic examinations (human)
- P01GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)
- ** P01GM-18940-02 0002 Study of radiologic images - Physical factors affecting radiographic image quality (models, human)
- P01GM-18940-02 0003 Study of radiologic images - System and observer performance
- R01GM-19010-03 DNA repair in *Escherichia coli* and *Bacillus subtilis*
- P01GM-19428-03 0013 Computer aided biomedical pattern recognition - Three dimensional reconstruction in radiology (human)
- P01GM-19513-03 0017 Human genetics - Fish-hybrid melanoma control, a cancer genetics model (piatyfish, swordtail)
- R01GM-19656-02 Mammalian chromosomal inversions (mice)
- R01GM-20281-01 Trace element detection by ion induced x-rays
- P01GM-21017-01 0007 Diagnostic radiology method development - Medical applications of fluorescence analysis (dogs, human)
- ** R01HD-05783-03 0001 Induction in irradiated nuclear transfer embryos (salamanders, newts) - Effect of ionizing and UV radiation on amphibian ontogeny (anurans)
- R01HD-06832-03 Chromosome mutations in infants and children
- R01HD-07078-02 Growth and development of human fetal brain in vitro
- P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding
- P17HL-14177-04 0009 Center for prevention and treatment of atherosclerosis - Injury and hyperlipemic diet in producing atherosclerosis (rabbits, human, swine)
- P17HL-14177-04 0010 Center for prevention and treatment of atherosclerosis - Atherosclerosis and complications produced by injury and hyperlipemic diet (swine)
- P17HL-14177-04 0011 Center for prevention and treatment of atherosclerosis - Regression of atherosclerotic lesions (swine)
- R01NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
- P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- P07RR-00757-02 0012 Implementation of laboratory automation system - High speed data acquisition system for protein crystallography

RADIATION, HIGH ENERGY BEAMS

SEE ALSO OPTICS, LASERS*
SEE ALSO RADIATION EFFECTS, PULSE RADIOLYSIS
SEE ALSO RADIOGRAPHY*

- ** R01CA-05654-14 Evaluation of supervoltage therapy (human)

- P02CA-05838-13 0018 Clinical radiotherapy cancer research center - Mucositis fungoides protocol
- P02CA-05838-13 0021 Clinical radiotherapy cancer research center - Testicular tumors
- P02CA-06294-13 0005 Radiotherapy research - Electron beam therapy (human)
- ** P02CA-06294-13 0014 Radiotherapy research - Treatment with the electron beam
- P02CA-06518-11 0008 Radiation and radiobiology research center - Effect of hyperthermia on radiosensitivity (mice)
- ** P02CA-06518-11 0036 Radiation and radiobiology research center - Radiation response of *Vicia faba*
- ** P02CA-06518-11 0037 Radiation and radiobiology research center - Studies of proton and neutron beams (plants, tissue culture, human)
- P02CA-06519-12 0112 Radiation therapy and biology research program - Determination of high-energy X-ray spectra by photochemical reactions
- P01CA-07368-11 0015 Interrelationships of normal and cancer cells - Glioblastoma-cell sensitivity to Bragg peak protons
- ** P01CA-08748-09 5506 Research program of Sloan-Kettering Institute - Effects of high energy neutron sources in tissue-Hu media
- P01CA-08748-09 5541 Research program of Sloan-Kettering Institute - Depth, dose and beam profile of fast neutron beams
- P01CA-08748-09 6308 Research program of Sloan-Kettering Institute - Comparison time dose fractionation regimen in neoplasms (rodents, rabbits, human)
- ** P01CA-08748-09 6311 Research program of Sloan-Kettering Institute - OER and RBE of helium ion beam in human kidney cells
- ** P01CA-08748-09 7501 Research program of Sloan-Kettering Institute - Intracellular oxygen diffusion times in irradiated cells (bacteria)
- P01CA-08748-09 7502 Research program of Sloan-Kettering Institute - Intracellular oxygen diffusion in irradiated cells (human)
- ** P01CA-08748-09 7504 Research program of Sloan-Kettering Institute - Pulsed radiation dosimetry in thin layers of cells
- ** P01CA-11998-02 Regional plan for meson radiotherapy of cancer
- M P01CA-12441-04 Fast neutron beam radiotherapy
- ** P01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
- ** P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
- ** P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- ** P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- ** P01CA-12536-04 0008 Effects of small doses of ionizing radiation - Beam optics of the Van de Graaff generator
- ** P02CA-13053-03 0066 Clinical cancer radiation therapy research center - High LET radiation beams for therapy
- R01CA-13371-02 Preclinical study of radiobiology of negative pions (mice)
- R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
- P01CA-14052-02 Pion beam diagnostics control, dosimetry, and operation (human, mammals)
- M R01CA-14722-02 Pion cancer therapy
- ** R01CA-14722-02 0001 Pion cancer therapy - Quality of meson fields
- ** R01CA-14722-02 0002 Pion cancer therapy - Multiwire proportional counters for treatment volume visualization
- P01CA-15184-01 Pretherapeutic use of accelerated heavy ions (mammals)
- P01ES-00269-08 0003 Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)

RADIATION, HIGH ENERGY BEAMS, PROTON BEAM

- ** P02CA-06518-11 0037 Radiation and radiobiology research center - Studies of proton and neutron beams (plants, tissue culture, human)
- ** P01CA-07368-11 0015 Interrelationships of normal and cancer cells - Glioblastoma-cell sensitivity to Bragg peak protons
- R01CA-12180-03 Cyclotron and retinoblastoma (monkeys, swine)
- ** P01CA-12662-03 0009 Cancer research center - Physical aspects of proton therapy (human)
- ** R01CA-15307-01 Cell irradiations with molecular ions (hamsters)
- ** N01CB-43918-00 Proton beam in tissue densitometry (human)
- N01RR-00043-14 0036 General clinical research center - Growth hormone levels in acromegaly with various treatments (human)

RADIATION, HIGH ENERGY PARTICLES (GENERAL)

- SEE ALSO ELECTRONIC SPECTRA
SEE ALSO ELECTRONIC SPECTRA, FREE RADICALS
** R01CA-13371-02 Preclinical study of radiobiology of negative pions (mice)

RADIATION, HIGH ENERGY PARTICLES, ALPHA PARTICLES

- P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- N01CP-33273-01 Factor influencing experimental respiratory carcinogenesis (mammals nonhuman)
- ** P10ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)
- ** P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)
- R01GM-12702-10 Genetic control of cytochrome C in yeast

RADIATION, HIGH ENERGY PARTICLES, BETA PARTICLES

- ** R01AM-15669-03 Cytokinetics of repair in beta-irradiated epidermis (guinea pigs)
- R01CA-05654-14 Evaluation of supervoltage therapy (human)
- P01CA-08748-09 6312 Research program of Sloan-Kettering Institute - Dose-response curves of skin lesions to electron beam radiation (human)
- P01CA-08748-09 7512 Research program of Sloan-Kettering Institute - Recovery from sub-lethal radiation damage (HuLa cells)
- P02CA-08832-08 0116 An integrated study of advanced malignant diseases - Physical aspect of whole-body electron radiation (human)
- P02CA-11051-06 0030 Clinical radiation research center - Experimental radiation arthritis (rats)
- R01CA-13252-03 Irradiation of tumor membranes and chromosomes (human, primates, rodents, plants)
- R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
- R01CA-14722-02 0001 Pion cancer therapy - Quality of meson fields
- N01CP-33273-01 Factor influencing experimental respiratory carcinogenesis (mammals nonhuman)

RADIATION, HIGH ENERGY PARTICLES, DEUTERONS

- P01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
- ** P01CA-12542-03 0001 Fast neutron therapy with TAMVEC cyclotron - Physics
- R01CA-13469-02 Neutron radiation cancer therapy source

RADIATION, HIGH ENERGY PARTICLES, PIONS

- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- ** P02CA-05838-13 0026 Clinical radiotherapy cancer research center - Negative Pi meson beam radiotherapy
- P02CA-13053-03 0066 Clinical cancer radiation therapy research center - High LET radiation beams for therapy
- R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
- ** P01CA-16127-01 0002 Cancer Research and Treatment Center Program - Human radiobiology studies with pions
- P01CA-16127-01 0020 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bladder carcinoma (human)
- P01CA-16127-01 0021 Cancer Research and Treatment Center Program - Pi meson radiotherapy of brain glioma (human)
- ** P01CA-16127-01 0022 Cancer Research and Treatment Center Program - Pi meson radiotherapy of uterine cervix carcinoma (human)
- ** P01CA-16127-01 0023 Cancer Research and Treatment Center Program - Pi meson radiotherapy of esophagus carcinoma (humans)
- ** P01CA-16127-01 0024 Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
- P01CA-16127-01 0025 Cancer Research and Treatment Center Program - Pi meson radiotherapy of hypopharynx carcinoma (human)
- ** P01CA-16127-01 0026 Cancer Research and Treatment Center Program - Pi meson radiotherapy of oral cavity carcinoma (human)
- ** P01CA-16127-01 0027 Cancer Research and Treatment Center Program - Pi meson radiotherapy of oropharynx epidermoid carcinoma
- ** P01CA-16127-01 0028 Cancer Research and Treatment Center Program - Pi meson radiotherapy of osteogenic sarcoma of the extremity
- P01CA-16127-01 0029 Cancer Research and Treatment Center Program - Pi meson radiotherapy of adenocarcinoma of the pancreas
- ** P01CA-16127-01 0030 Cancer Research and Treatment Center Program - Pi meson radiotherapy of prostate carcinoma
- ** P01CA-16127-01 0031 Cancer Research and Treatment Center Program - Pi meson radiotherapy of rectum adenocarcinoma
- ** P01CA-16127-01 0032 Cancer Research and Treatment Center Program - Pi meson radiotherapy of stomach adenocarcinoma
- ** P01CA-16127-01 0033 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bronchogenic carcinoma

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RADIATION, IONIZING RADIATION

- ROIAM-17159-01 Polyarthropathy in Salmonella-infected rats
- ** P02CA-06518-11 0019 Radiation and radiobiology research center - In vitro studies on hyperthermia and radiation (human)
- P02CA-06518-11 0035 Radiation and radiobiology research center - Metastases at elevated temperature (mice)
- P01CA-07368-11 0013 Interrelationships of normal and cancer cells - Radiation biology of astrocytoma
- P01CA-07368-11 0015 Interrelationships of normal and cancer cells - Glioblastoma-cell sensitivity to Bragg peak protons
- ** R01CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- R01CA-08618-09 Cellular responses to irradiation (hamsters)
- P01CA-08748-09 5515 Research program of Sloan-Kettering Institute - Effect of chloroquine on radiation repair in tumor cells (human, mice)
- P01CA-08748-09 6303 Research program of Sloan-Kettering Institute - Interaction of ionizing radiation and actinomycin-D in rodents
- P02CA-10438-08 0007 Clinical radiation therapy research center - Hematopoietic viral oncogenesis study group (mice)
- R01CA-10714-07 Repair of radiation damage to cellular DNA (hamsters)
- ** R01CA-11953-03 Ultraviolet and ionizing radiation damage (hamsters, frogs)
- R01CA-12026-05 DNA cysteamine, DNA-N ethylmaleimide studies by ESR (bacteria)
- ** R01CA-12104-02 Kinetics of epithelial repair after irradiation (mice)
- ** R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)
- ** R01CA-13061-03 Problems of membrane biology and oncogenesis
- ** R01CA-13252-03 Irradiation of tumor membranes and chromosomes (human, primates, rodents, plants)
- P01CA-13343-02 0012 Environmental cancer - Experimental radiation skin carcinogenesis (rats, mice)
- P01CA-13343-02 0014 Environmental cancer - Assay of genetic damage and cellular proliferation (rodents)
- ** R01CA-13811-02 Disability and mortality as measures of cancer (human)
- ** R01CA-14270-02 Immune surveillance in radiation carcinogenesis (mice)
- R01CA-14365-02 Cell cycle in relation to cancer chemotherapy
- R01CA-14799-01 Role of a human cell endonuclease in repair of DNA
- ** P10ES-00260-12 0008 Research in the environmental health sciences - Tumorigenic response to ionizing radiation and chemical carcinogens (rats, mice)
- R01FD-00530-01 Mechanisms of radiation resistance in microorganisms (S typhimurium)
- ** R01FD-00632-09 Transfer mechanisms in biological materials
- ** R01FD-00645-05 Radiation damage-Metabolism in reproductive system (mice, rabbits)
- R01FD-00654-03 F2 effects from x-ray of human female fetuses
- R01FD-00694-01 Chromosome damage-repair-Radiation and sonication (plants)
- ** P01GM-15423-07 0018 Molecular basis of control mechanisms - X-ray produced free radicals
- R01GM-18421-03 Mutagens, mutation rates, and mouse H test
- P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- ** R01GM-21294-01 Induction of mutator activity by ionizing radiation (yeast)
- ** R01HD-05783-03 0001 Induction in irradiated nuclear transfer embryos (salamanders, newts) - Effect of ionizing and UV radiation on amphibian ontogeny (anurans)
- R01HD-05783-03 0003 Induction in irradiated nuclear transfer embryos (salamanders, newts) - Differentiation of nuclear transplant embryos (frogs)
- ** R01NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
- P01NS-07468-07 Sensory biology research center
- R01OH-00465-03 Current trends in survivorship of radiologists (human)

RADIATION, LINEAR ENERGY TRANSFER

- R01CA-13779-02 Split-dose repair-Dividing vs post-mitotic cells (insects)
- R01CA-15139-01 Dose-rate dependence of tumor cure in radiotherapy (mice)

RADIATION, NEUTRON RADIATION

- R01CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- R01CA-05654-14 Evaluation of supervoltage therapy (human)
- P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
- ** P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
- ** P02CA-06294-13 0010 Radiotherapy research - Radiation physics (human, mammals nonhuman)
- P01CA-07368-11 0015 Interrelationships of normal and cancer cells - Glioblastoma-cell sensitivity to Bragg peak protons
- ** P01CA-07368-11 0018 Interrelationships of normal and cancer cells - Boron slow neutron therapy-practical (human, laboratory animals)
- P01CA-07368-11 0019 Interrelationships of normal and cancer cells - Boron-slow neutron capture therapy-development of binding compounds
- ** P01CA-08748-09 5504 Research program of Sloan-Kettering Institute - Incorporation of 3H-BUDR into DNA of sea urchin eggs
- ** P01CA-08748-09 5506 Research program of Sloan-Kettering Institute - Effects of high energy neutron sources in tissue-like media
- ** P01CA-08748-09 5514 Research program of Sloan-Kettering Institute - Effect of neutrons on hypoxic HeLa cells
- ** P01CA-08748-09 5541 Research program of Sloan-Kettering Institute - Depth, dose and beam profile of fast neutron beams
- ** P01CA-08748-09 5545 Research program of Sloan-Kettering Institute - Neutron activation of calcium and other elements in man
- ** P01CA-08748-09 6309 Research program of Sloan-Kettering Institute - Biological effectiveness (RBE) of neutron-radiation on embryogenesis (rats)
- R01CA-11138-06 Radiobiology of normal tissues (mice)
- ** R01CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
- P01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
- P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- ** P01CA-12536-04 0001 Effects of small doses of ionizing radiation - Radiation carcinogenesis (rats)
- ** P01CA-12536-04 0003 Effects of small doses of ionizing radiation - Malignant transformation of mammalian cells (hamsters)
- ** P01CA-12536-04 0004 Effects of small doses of ionizing radiation - Genetic effects (Drosophila)
- ** P01CA-12536-04 0005 Effects of small doses of ionizing radiation - Dependence of chromosome injury on radiation quality
- ** P01CA-12536-04 0006 Effects of small doses of ionizing radiation - Aberrations, mutations and lethality in Tradescantia
- ** P01CA-12536-04 0007 Effects of small doses of ionizing radiation - RBE and OER for Vicia faba
- ** P01CA-12542-03 0001 Fast neutron therapy with TAMVEC cyclotron - Physics
- ** P01CA-12542-03 0002 Fast neutron therapy with TAMVEC cyclotron - Cellular radiobiology (human, hamsters)
- ** P01CA-12542-03 0003 Fast neutron therapy with TAMVEC cyclotron - Tissue radiobiology (swine, miniature, monkeys)
- P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
- P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
- R01CA-13270-02 Effects of fast neutrons on cultured mammalian cells
- R01CA-13469-02 Neutron radiation cancer therapy source
- ** P02CA-13696-02 0046 Clinical cancer research center - Fast neutrons in cancer radiotherapy (human)
- R01CA-13779-02 Split-dose repair-Dividing vs post-mitotic cells (insects)
- ** P01CA-14599-01 0041 University of Chicago Cancer Research Center - Fast neutron radiation therapy of cancer (human, dogs, mini-swine, hamster)
- R01CA-14722-02 0001 Pion cancer therapy - Quality of meson fields
- P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)
- ** MO1RR-00060-13 0065 General clinical research center - Fast neutron therapy for tumors (human)

RADIATION, PARTICLE ACCELERATORS

- P02CA-05838-13 0022 Clinical radiotherapy cancer research center - Orbital radiotherapy for Graves' ophthalmopathy
- ** P02CA-05838-13 0026 Clinical radiotherapy cancer research center - Negative Pi meson beam radiotherapy
- ** P02CA-06294-13 0005 Radiotherapy research - Electron beam therapy (human)
- ** P02CA-06518-11 0037 Radiation and radiobiology research center - Studies of proton and neutron beams (plants, tissue culture, human)
- P01CA-07368-11 0015 Interrelationships of normal and cancer cells - Glioblastoma-cell sensitivity to Bragg peak protons
- ** P01CA-08748-09 5533 Research program of Sloan-Kettering Institute - Cyclotron technology and development
- R01CA-12179-02 Automation of a clinical radiation therapy center
- R01CA-12180-03 Cyclotron and retinoblastoma (monkeys, swine)
- P02CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)
- P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- ** P01CA-12542-03 0002 Fast neutron therapy with TAMVEC cyclotron - Cellular radiobiology (human, hamsters)
- P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
- P02CA-13053-03 0093 Clinical cancer radiation therapy research center - Development of techniques and apparatus to improve radiation therapy
- ** P02CA-13053-03 0094 Clinical cancer radiation therapy research center - Surface dose, buildup curve and patient cutaneous-subcutaneous reaction
- R01CA-14969-02 0003 Radionuclide studies of tumors and growth - Production of radionuclides for studying inorganic antitumor agents
- ** P01CA-15655-01 0039 Cancer center support grant - Radiation therapy (human)
- ** R01GM-13966-07 Precision production of organic tracers
- R01GM-14078-09 Hydrogen bonding and ionic solvation by FMR and ICR
- P01GM-19428-03 0013 Computer aided biomedical pattern recognition - Three dimensional reconstruction in radiology (human)
- ** P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)
- P01NS-06833-08 0005 Interdisciplinary stroke program - Cerebral circulation studies in nuclear medicine (human, monkeys)
- P07RR-00657-01 A program in support of nuclear medicine

RADIATION, RELATIVE BIOLOGICAL EFFECTIVENESS

- P01CA-12542-03 0002 Fast neutron therapy with TAMVEC cyclotron - Cellular radiobiology (human, hamsters)
- P01CA-12542-03 0003 Fast neutron therapy with TAMVEC cyclotron - Tissue radiobiology (swine, miniature, monkeys)
- P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)

RADIATION COUNTERS

SEE RADIOASSAY, RADIATION COUNTERS*

RADIATION DOSAGE

- R0IAM-17484-01 An evaluation of XRF scanning in thyroid disease (human)
- R01CA-13779-02 Split-dose repair-Dividing vs post-mitotic cells (insects)
- P01CA-14043-01 0001 Radiation therapy clinical and research center - Documentation of radiation therapy computer programs
- P01CA-14043-01 0003 Radiation therapy clinical and research center - Experimental check of Paterson-Parler rules
- R01CA-15901-01 Mutants and altered radioresponse of cells and tumors (mice)
- R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
- R13CA-16923-01 8th International Meeting of ICSH Panel
- R01HD-06832-03 Chromosome mutations in infants and children

RADIATION DOSAGE, RADIATION THERAPY DOSAGE

- P02CA-05838-13 0021 Clinical radiotherapy cancer research center - Testicular tumors
- P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
- ** P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
- ** P02CA-06294-13 0005 Radiotherapy research - Electron beam therapy (human)
- P02CA-06294-13 0006 Radiotherapy research - Genitourinary tract (human)
- P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- P02CA-06294-13 0010 Radiotherapy research - Radiation physics (human, mammals nonhuman)
- P02CA-06294-13 0012 Radiotherapy research - Carcinoma of the esophagus (human)
- ** P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)
- P02CA-06294-13 0017 Radiotherapy research - Computer program
- P02CA-06518-11 0009 Radiation and radiobiology research center - Fractionated response to hyperthermia and x-radiation (mice)
- R10CA-10953-06 The Radiological Physics Center
- ** R01CA-11138-06 Radiobiology of normal tissues (mice)
- ** R01CA-11430-09 0032 Biomathematics and computing in a cancer institute - Radiation dosimetry for implants and external beam therapy
- ** R01CA-11430-09 0033 Biomathematics and computing in a cancer institute - Computer dose distributions from external x and gamma-ray sources
- ** R01CA-11430-09 0034 Biomathematics and computing in a cancer institute - First scatter to off-axis points and the Clarkson method
- ** R01CA-11430-09 0036 Biomathematics and computing in a cancer institute - Dose rate factors influencing radiation strategy
- R01CA-12180-03 Cyclotron and retinoblastoma (monkeys, swine)
- P02CA-12247-03 0037 Pediatric oncology center - Radiation responses of spontaneous oncology (dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
- ** P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
- ** P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- ** P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
- P02CA-13053-03 0066 Clinical cancer radiation therapy research center - High LET radiation beams for therapy
- ** P02CA-13053-03 0093 Clinical cancer radiation therapy research center - Development of techniques and apparatus to improve radiation therapy
- ** P02CA-13053-03 0094 Clinical cancer radiation therapy research center - Surface dose, buildup curve and patient cutaneous-subcutaneous reaction
- R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
- R01CA-13371-02 Preclinical study of radiobiology of negative pions (mice)
- R10CA-14058-01 Radiation Therapy Oncology Group
- ** R01CA-14165-02 Optimization of radiation therapy (mice)
- R01CA-14599-01 0041 University of Chicago Cancer Research Center - Fast neutron radiation therapy of cancer (human, dogs, mini-swine, hamster)
- R01CA-14668-01 Radiation protectors as adjunct to radiotherapy (rabbits)
- R01CA-14701-01 Effect of age on radiation-induced pulmonary fibrosis (rats)
- R01CA-14771-01 Radiation nephritis in a nonhuman primate (Macaca)
- R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer
- ** R01CA-15139-01 Dose-rate dependence of tumor cure in radiotherapy (mice)
- R01CA-15201-01 Experimental radiotherapy-Basis and modification (mice)
- R01CA-15203-01 Brain tumor therapy-Radiation, DNA damage and repair (rats)
- R01CA-15307-01 Cell irradiations with molecular ions (hamsters)
- R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)
- R01CA-15901-01 Mutants and altered radioresponse of cells and tumors (mice)
- R18CA-15978-01 Clinical and research radiation therapy in cancer care (US, Puerto Rico survey)
- R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
- R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
- ** R18CA-16402-01 0003 Cancer control development grant - Radiation dosimetry center (regional service)
- ** R18CA-16409-01 0003 Cancer control developmental grant - Regional radiation dosimetry service
- R13CA-16888-01 5th International conference-Computers in radiotherapy
- M01CB-44012-00 Xeromammography versus film mammography (human)
- M01CM-43798-00 Therapy of patients with pancreatic carcinoma (human)
- P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary cells (human)
- ** R01FD-00657-02 Electronic radiography for diagnostic dose reduction
- P01GM-18674-03 0012 Diagnostic radiology research and training center - Primary spectra and computer simulation of image generation
- R01GM-21217-01 Improved radiopharmaceuticals for renal studies
- M01RR-00865-01 0032 General clinical research center - Protection of kidney during radiation therapy for abdominal neoplasms (human)
- RADIATION EFFECTS**
- SEE ALSO BLOOD AND RE NEOPLASMS, LEUKEMIA RADIATION INDUCED
- SEE ALSO GENETICS, RADIATION GENETICS
- SEE ALSO NEOPLASMS, RADIATION INDUCED
- SEE ALSO RADIATION RECOVERY
- SEE ALSO RADIATION SENSITIVITY
- R01AI-07587-08 The role of bacteria in intestinal disease (human, rodents, dogs)
- R01AI-08286-06 Regulation of bacterial cell division
- R01AI-08952-06 Vaccination with irradiated sporozoites of Plasmodia (mice)
- R22AI-09280-06 Immune mechanisms and immunizing agents in filariasis (birds, dogs)
- R01AI-10121-04 Cellular interactions in the antibody response (mice, sheep)
- ** R01AM-00709-21 Ultraviolet irradiation of natural products
- R01AM-01447-19 Neuroendocrine and thyroid physiology (rats)
- ** R01AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- P01AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
- P01AM-08445-10 0021 Biology of skin of man and other primates - The hair growth cycle (rats)
- P01AM-08445-10 0022 Biology of skin of man and other primates - Pigmentation of the stump tailed macaque
- R01AM-11649-06 Percutaneous absorption (human, rats, mice)
- R01AM-12936-06 Factors regulating hematopoiesis (mice)
- ** R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- R01AM-15280-04 Stromal control of hemopoiesis-normal and diseased (mice)
- R01AM-15758-03 Control of cell proliferation in the intestine (rats)
- R01AM-16126-03 Factors controlling expression of erythropoietic sites (bullfrogs)
- R01AM-16501-03 Bone marrow injury and repair (rabbits, rats)
- ** R01CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
- ** R01CA-03983-16 Free radicals in physiological and pathological processes (rats)
- ** R01CA-04144-16 Correlative studies of bone marrow viability (mice, human)
- ** R01CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- ** R01CA-05262-14 Iododeoxyuridine, iodo-DNA and biological activity (mice)
- P02CA-05826-13 0066 Clinical cancer research center - Liquid diet for malabsorption in cancer
- ** P02CA-05826-13 0081 Clinical cancer research center - Reproductive function in females with Hodgkin's disease
- ** R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- P02CA-06294-13 0018 Radiotherapy research - Dental program (human, monkeys)
- P01CA-06373-12 Epidemiologic studies of cancer (human)
- P02CA-06518-11 0019 Radiation and radiobiology research center - In vitro studies on hyperthermia and radiation (human)
- ** P02CA-06518-11 0033 Radiation and radiobiology research center - Radiation hepatitis
- P02CA-06518-11 0034 Radiation and radiobiology research center - Effect of elevated temperature on oxygen enhancement (mice)
- ** P02CA-06518-11 0036 Radiation and radiobiology research center - Radiation response of Vicia faba
- ** P02CA-06518-11 0037 Radiation and radiobiology research center - Studies of proton and neutron beams (plants, tissue culture, human)
- P02CA-06519-12 0004 Radiation therapy and biology research program - Biological evidence for repair of psoralen cross-links in bacterial cells
- ** P02CA-06519-12 0075 Radiation therapy and biology research program - Replication and transfer of plasmid DNA in E coli
- P02CA-06519-12 0109 Radiation therapy and biology research program - Phage-induced x-ray resistance in E coli
- P02CA-06519-12 0110 Radiation therapy and biology research program - Radiation response of cultured human glioblastoma cells
- ** P02CA-06519-12 0111 Radiation therapy and biology research program - Determination of radiation response of cultured human breast cancer
- P01CA-06927-12 0024 Biological and biochemical program in cancer research - Tumor cell antigenicity and resistance to carcinogens (mice, monkeys)
- ** P01CA-07368-11 0006 Interrelationships of normal and cancer cells - Model systems (human, rats, mice)
- ** R01CA-07773-11 Application of electrochemistry to radiation biology
- R01CA-08000-10 Protein biosynthesis (rabbits, tunicates, HeLa cells)
- ** R01CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- M R01CA-08231-10 Radiobiology research program
- ** R01CA-08231-10 0001 Radiobiology research program - Radiation effect on taste (mice, human)
- R01CA-08231-10 0002 Radiobiology research program - Low-dose capillary damage revealed by microangiography (mice)
- ** R01CA-08231-10 0003 Radiobiology research program - Tumor bed damage and metastasis (mice)
- ** R01CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
- ** P02CA-08480-09 0025 Childhood cancer research center - Effect of alkylating agents and irradiation on DNA repair mechanisms
- R01CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
- ** P01CA-08748-09 5502 Research program of Sloan-Kettering Institute - Radiation effects on enzymes related to DNA synthesis (human)
- ** P01CA-08748-09 5506 Research program of Sloan-Kettering Institute - Effects of high energy neutron sources in tissue-like media
- ** P01CA-08748-09 5513 Research program of Sloan-Kettering Institute - Effect of cell density on radiation sensitivity (human, mice)
- P01CA-08748-09 5529 Research program of Sloan-Kettering Institute - Clearance of tracers in radiation damaged lungs (dogs)
- ** P01CA-08748-09 5720 Research program of Sloan-Kettering Institute - Production of oncogenic purine N-oxides by ionizing radiation
- ** P01CA-08748-09 6303 Research program of Sloan-Kettering Institute - Interaction of ionizing radiation and actinomycin-D in rodents
- P01CA-08748-09 6309 Research program of Sloan-Kettering Institute - Biological effectiveness (RBE) of neutron-radiation on embryogenesis (rats)
- ** P01CA-08748-09 6310 Research program of Sloan-Kettering Institute - Gonadal radiation and spermatogenesis in cancer patients
- P01CA-08748-09 6311 Research program of Sloan-Kettering Institute - OER and RBE of helium ion beam in human kidney cells
- ** P01CA-08748-09 7501 Research program of Sloan-Kettering Institute - Intracellular oxygen diffusion times in irradiated cells (bacteria)
- P01CA-08748-09 7502 Research program of Sloan-Kettering Institute - Intracellular oxygen diffusion in irradiated cells (human)
- ** P01CA-08748-09 7503 Research program of Sloan-Kettering Institute - Oxygen depletion in irradiated E coli
- P02CA-08832-08 0123 An integrated study of advanced malignant diseases - Malignancy in family due to childhood radiation
- ** R01CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- P01CA-10372-07 Radiobiology-oncology research program
- ** R01CA-10410-08 Dose-time factors influencing cellular radiosensitivity (mammals)
- ** P02CA-10438-08 0007 Clinical radiation therapy research center - Hematopoietic viral oncogenesis study group (mice)
- P01CA-10815-06 0022 Consolidated basic cancer research program - Cellular and viral factors in integration of the viral genome (hamsters)
- P01CA-10815-06 0026 Consolidated basic cancer research program - Relationship between SV40 integration and cellular DNA repair (monkeys)
- ** R01CA-10941-06 Proliferation and differentiation of stem cells (mice)
- R01CA-10978-06 Enzyme control mechanisms in chemical carcinogenesis (mice, rats)
- P02CA-11051-06 0028 Clinical radiation research center - Tolerance of bone marrow to combined high dose irradiation (rabbits)
- ** P02CA-11051-06 0030 Clinical radiation research center - Experimental radiation arthritis (rats)
- P02CA-11051-06 0049 Clinical radiation research center - Radiation pathology-Tumor parenchymal and endothelial cells (hamsters)
- ** P02CA-11051-06 0056 Clinical radiation research center - Fractionated irradiation on viability and generation time of L1210 cells (mice)
- ** P02CA-11051-06 0059 Clinical radiation research center - Effect of whole lung irradiation on occult metastases (mice)
- R01CA-11371-06 Biochemistry of cell division in bacteria
- R01CA-11447-06 Effect of hyperoxia on normal and neoplastic cells (dogs, mice, human)
- R01CA-11472-04 Hemopoietic control mechanisms (mice)
- ** P01CA-11491-05 0002 Irradiation and tissue-localization response - Anticoagulation and hyaluronidase (mammals nonhuman)
- ** P01CA-11491-05 0003 Irradiation and tissue-localization response - Pharmacological approach to anticoagulation study (human, mammals nonhuman)
- P02CA-11602-05 0003 Research and clinical radiation center - Repair kinetics of radiation induced cell division delay
- P02CA-11602-05 0006 Research and clinical radiation center - Interaction of hyperthermic damage with radiation damage
- P02CA-11602-05 0007 Research and clinical radiation center - Chinese hamster ovary fibroblasts in vivo (hamsters)
- ** R01CA-11953-03 Ultraviolet and ionizing radiation damage (hamsters, frogs)
- ** R01CA-12104-02 Kinetics of epithelial repair after irradiation (mice)
- R01CA-12133-03 Restoration of bacterial chromosome from UV-damage (microorganisms)
- R01CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
- ** P02CA-12178-04 0012 Radiotherapy-oncology center - Thyroid function after neck irradiation
- P02CA-12197-03 0028 Multidisciplinary oncology research center - Time-radiation dose relationship to biologic damage (rats)
- ** P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
- ** P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- ** R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- ** R01CA-12536-04 0005 Effects of small doses of ionizing radiation - Dependence of chromosome injury on radiation quality
- ** P01CA-12536-04 0006 Effects of small doses of ionizing radiation - Aberrations, mutations and lethality in *Tridacanta*
- ** P01CA-12536-04 0007 Effects of small doses of ionizing radiation - RBE and OER for *Vicia faba*
- ** P01CA-12536-04 0009 Effects of small doses of ionizing radiation - X-ray cell transformation of rat and hamster embryos
- ** P01CA-12542-03 0002 Fast neutron therapy with TAMVEC cyclotron - Cellular radiobiology (human, hamsters)
- P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
- P01CA-12662-03 0004 Cancer research center - Proliferation and differentiation of stem cells (mice, rabbits)
- ** P01CA-12662-03 0011 Cancer research center - Radiation response and the intestinal bacterial flora
- ** R01CA-12699-03 Manipulation of preleukemic change in whole-body irradiated mice
- ** R01CA-12757-03 Hemopoietic stem cell-Relation to CFC and CFU (mice)
- R01CA-12758-02 Modification of tumor growth in hepatomas by radiation (rats)
- R01CA-12759-03 Effect of environmental factors on ultraviolet injury (mice, rabbits)
- R01CA-12786-03 Modification of cellular immunity to neoplasia in man
- P01CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- R01CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- ** P02CA-13053-03 0043 Clinical cancer radiation therapy research center - Use of in vitro colonies as a model for solid tumors (human, mice, hamsters)
- P02CA-13053-03 0063 Clinical cancer radiation therapy research center - Repopulation of stem cells following chemotherapy (mice)
- P02CA-13053-03 0087 Clinical cancer radiation therapy research center - X-ray induced malignant cell transformation (mice)
- ** P02CA-13053-03 0094 Clinical cancer radiation therapy research center - Surface dose, buildup curve and patient cutaneous-subcutaneous reaction
- R01CA-13058-03 Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)
- ** R01CA-13061-03 Problems of membrane biology and oncogenesis
- ** R01CA-13080-03 Comparative carcinogenicity of tritium (mice)
- ** R01CA-13127-03 Effects of intracavitary irradiation with CF-252 (swine)
- ** R01CA-13270-02 Effects of fast neutrons on cultured mammalian cells
- ** P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
- R01CA-13371-02 Preclinical study of radiobiology of negative pions (mice)
- ** R01CA-13437-02 Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals)
- ** R01CA-13905-02 Radiation injury in subpopulations on lymphocytes (mice)
- R01CA-13822-02 Effects of cancer and therapy on infection and immunity (hamsters, mice, rabbits)
- R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
- R01CA-14005-02 The photoreactivating enzyme in repair of DNA (*E. coli*)
- ** P01CA-14089-01 0056 Pilot multidisciplinary cancer research program - Effect of x-irradiation on tissue proteins
- R01CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- ** R01CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
- R01CA-14679-02 Hemopoietic differentiation and myelofibrosis (mice, rats)
- ** R01CA-14771-01 Radiation nephritis in a nonhuman primate (*Macaca*)
- R01CA-14799-01 Role of a human cell endonuclease in repair of DNA
- ** R01CA-14876-02 Cell mediated immunological defects in man after irradiation
- R01CA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
- ** R01CA-14922-01 Transplantation and genetic expression (mice)
- R01CA-15139-01 Dose-rate dependence of tumor cure in radiotherapy (mice)
- ** P02CA-15145-01 0044 Cancer center support grant - Reconstitution and rerouting of cerebral circulation (dogs)
- P01CA-15184-01 Pretherapeutic use of accelerated heavy ions (mammals)
- P01CA-15192-01 Cancer Center Support Grant Specialized Brain tumor therapy-Radiation, DNA damage and repair (rats)
- ** R01CA-15203-01
- ** R01CA-15307-01 Cell irradiations with molecular ions (hamsters)
- ** R01CA-15378-01 Radiation-induced modifications in protein synthesis (human, *Tetrahymena*)
- ** R01CA-15459-02 Psychological effects of cranial irradiation (human)
- R10CA-15474-01 Cole-rectal pathology reference center
- ** R01CA-15670-01 Effects of x-irradiation on the phagocytic response (human, mammals nonhuman)
- ** P01CA-15820-01 0005 Comparative Oncology Research Program - Therapeutic studies-Normal tissue response
- R01CA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
- ** P01CA-16127-01 0019 Cancer Research and Treatment Center Program - Radiation nephritis in a nonhuman primate
- P01CA-16247-01 0001 Immunologic aspects of cancer - Growth requirements of lymphoid tumors of B-cell origin (mice)
- R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
- ** N01CB-33969-01 Cell synergy in cell bound immune reactions (mice)
- ** N01CB-43791-00 Combined use of radiotherapy and clinically established antitumor drugs
- N01CP-33202-01 Carcinogenic properties of industrial chemicals (hamsters, mice)
- N01CP-33343-01 Maintenance of an irradiated monkey colony
- N01CP-33346-02 Leukemia studies in the cat (and dogs)
- ** N01CP-43202-01 Atomic bomb casualty commission study
- N01CP-43214-00 Latent virus infection and transmission of C-type particles (monkeys, human)
- ** N01CP-43283-00 Study of time trends in maternal x-ray exposure (human)
- ** R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
- ** P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
- P01ES-00269-08 0002 Biological effects of environmental radiation - Photochemistry of photoactive agents (rats, human)
- ** P01ES-00269-08 0003 Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
- ** P01ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
- R01ES-00376-11 Laser radiation in photochemistry and photobiology
- P01ES-00454-06 0006 Biological effects of environmental agents - Control of airborne infection in hospitals and laboratories
- P01ES-00454-06 0024 Biological effects of environmental agents - Repair mechanisms in genetic damage and influence of environmental agents (human)
- R01EY-00239-14 Biochemical studies of lens cataract formation (human, animals)
- R01EY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- R01EY-00266-11 Corneal preservation and keratoplasty (human, rabbits, guinea pigs)
- R01EY-00281-10 Wound healing in lens epithelium (frogs)
- R01EY-00459-05 Near ultraviolet light effects on ocular tissues (human, animals)
- R01EY-01138-02 Spectroscopic characterization of human lenses (and rabbits)
- R01EY-01162-01 Ocular damage due to retinal temperature rise (rabbits, monkeys)
- R01EY-01292-01 Histochemical changes in experimental cataracts (rabbits)
- ** R01FD-00534-02 Research on cumulative microwave radiation exposure
- ** R01FD-00632-09 Transfer mechanisms in biological materials
- ** R01FD-00634-11 Neoplasms in irradiated human populations
- ** R01FD-00639-06 Thermoluminescent dosimeter crystals
- R01FD-00646-05 Quantitative effects of EM energy on human tissues (and cats)
- R01FD-00648-04 Automated cytogenetic radiation health monitoring (human)
- ** R01FD-00649-03 Effects of microwaves on CNS liver, and heart (hamsters)
- R01FD-00650-02 Biopsychological studies of microwave irradiation
- R01FD-00656-02 Photoconductive polymers for dental xeroradiograms
- R01FD-00657-02 Electronic radiography for diagnostic dose reduction
- R01FD-00661-01 Vestibulo-cochlear effect of UHF-microwave radiation
- ** R01FD-00664-01 Ultrasonic radiation determination by optical methods
- ** R01FD-00665-02 Ultrasonic toxicity study
- ** R01FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
- R01FD-00680-01 Diagnostic ultrasound-Injury thresholds and mechanisms (cats)
- ** R01FD-00686-01 Ocular pathology from electromagnetic radiation
- ** R01FD-00694-01 Chromosome damage-repair-Radiation and sonication (plants)
- R01GM-05829-16 Nucleosides, nucleic acids, and cell division factors (plants)
- R01GM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)
- R01GM-11916-11 Nucleic acids and chromosomal DNA (bacteria)
- ** R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- P01GM-15422-07 0006 Program project in genetics - The X-chromosome problem (human, mice)
- ** P01GM-15422-07 0012 Program project in genetics - Genetic effects of irradiation (rats)
- P01GM-15422-07 0016 Program project in genetics - Population genetics (*Drosophila*, human)
- P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
- P11GM-15956-07 0014 Factors affecting the responses to drugs - Hypersensitivity and drug effects (mice)
- P11GM-15956-07 0062 Factors affecting the responses to drugs - Effects of irradiation on gastrointestinal drug absorption in mice and rats
- ** R01GM-16620-06 Gamma ray effects on *D. discoideum*
- R01GM-17317-05 Gene enzyme relations and recombination in yeast
- R01GM-17423-04 Studies on shock (rats, bacteria, mice)
- R01GM-18012-04 Biochemical and genetic studies of DNA synthesis (viruses and bacteria)
- R01GM-18487-03 Mosaicism and developmental genetics (*Drosophila*)
- ** R01GM-18617-04 Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells)
- P01GM-18674-03 0014 Diagnostic radiology research and training center - Chemistry and physiology of technetium-99m labeled compounds (mice, dogs)
- ** P01GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (*Ehrlich ascites* tumor cells)
- ** R01GM-18927-03 DNA base damage induced by gamma radiation (*Escherichia coli*)
- R01GM-19703-01 Role of methylation in DNA replication and repair (*E. coli* mutants)
- R01GM-20550-02 Radiation damage above 1 MEV in biological EM
- R01GM-21217-01 Improved radiopharmaceuticals for renal studies
- N01HB-32950-02 Blood compatible poly-electrolytes
- R01HD-04229-06 Cyttoplasmic regulation in early cell differentiation (frogs)
- P01HD-05875-04 0013 Aging mechanisms of in vitro human cell systems - DNA replication and repair (WI-38)
- ** P01HD-06276-03 0050 Mental retardation research program - Effects of irradiation upon myelinating telencephalon (rats)
- R01HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)
- P01HD-07495-02 0014 Center for population research, studies in reproductive biology - Control and regulation of spermatogenesis (rodents)
- R01HD-07983-01 Ultrastructural studies of embryonic determination (*Drosophila*)
- N01HD-22760-02 Age-associated involution of cellular immunity in mice
- ** P01HL-08214-11 0011 Chemical and biological properties of lipids - High energy irradiation of lipids (rats, fish)
- P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding
- P17HL-14177-04 0009 Center for prevention and treatment of atherosclerosis - Injury and hyperlipemic diet in producing atherosclerosis (rabbits, human, swine)
- P17HL-14177-04 0010 Center for prevention and treatment of atherosclerosis - Atherosclerosis and complications produced by injury and hyperlipemic diet (swine)
- P17HL-14177-04 0011 Center for prevention and treatment of atherosclerosis - Regression of atherosclerotic lesions (swine)
- P17HL-14177-04 0014 Center for prevention and treatment of atherosclerosis - Sudden death (swine)
- P17HL-14217-04 0036 Specialized center of research in thrombosis - Vascular smooth muscle
- R01HL-14408-03 Atherosclerosis and radio frequency irradiation (rabbits, rats, monkeys)
- P17HL-15063-03 0001 SCOR diffuse infiltrative lung disease - Chronic interstitial pneumonia (human, dogs)
- ** R01HL-15740-02 In vitro studies on heart cell function (rats)
- R01MH-16733-06 Developmental neuropsychology (rats)
- ** P01NS-07226-06 0017 Neurosensory interdisciplinary research program - Evaluation of the clinical eye movement detector (primates)
- R01NS-07541-07 Experimental hypertrophic neuropathy (rats, rabbits, cats)
- P01NS-09704-04 0026 Developmental neurology - Models of human perinatal telencephalic leukoencephalopathy (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- R01NS-09820-04 Effects of environmental stresses on brain development (rats)
- R01NS-60940-13 Cytoskeleton and dendritic-architecture of the monkey brain
- ** P06RR-00165-14 Support of the Yerkes Regional Primate Research Center
- P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- ** P07RR-00273-09 0014 Mass spectrometric facility for biomedical research - Gamma irradiation of sugar
- RADIATION EFFECTS, FLASH PHOTOLYSIS**
- ** R01CA-07773-11 Application of electrochemistry to radiation biology
- R01EY-00285-10 Visual adaptation in the vertebrate retina (fish)
- R01EY-00875-03 Spectra, theory and photochemistry of vision pigments
- R01FD-00610-01 Photolysis in nitrite or nitrate treated foods
- R01GM-04712-18 Mechanism of enzyme action
- R01GM-12176-10 0006 Redox reactions by optical and EPR spectrometry - Flavin auto-oxidation
- R01GM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
- ** R01GM-20117-11 Fast photosensitized reactions of aromatic compounds (human)
- P07RR-00757-02 0036 Implementation of laboratory automation system - Ultraviolet photolysis of ozone
- RADIATION EFFECTS, PULSE RADIOLYSIS**
- SEE ALSO RADIATION EFFECTS, FLASH PHOTOLYSIS
- ** R01CA-07773-11 Application of electrochemistry to radiation biology
- ** P01CA-08748-09 7512 Research program of Sloan-Kettering Institute - Recovery from sub-lethal radiation damage (HeLa cells)
- ** R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- R01GM-04712-18 Mechanism of enzyme action
- R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- RADIATION EFFECTS, WHOLE BODY IRRADIATION**
- R01AI-06112-11 The behavior of cell suspensions in vitro and in vivo (rabbits, sheep)
- ** R01AI-06455-10 Specificity and information transfer in sensitivity (rats, mice)
- R22AI-09280-06 Immune mechanisms and immunizing agents in filariasis (jirds, dogs)
- R01AI-09419-11 Irradiation and marrow transplantation in large animals (dogs)
- R01AI-10293-03 Cell model for the initiation of antibody response (rats)
- R01AI-10339-03 Vaccinia virus immune mechanisms (monkey, rabbits)
- ** R01AI-10990-03 Radiation pathology and treatment in germfree mice (and hamster)
- R01AM-02215-14 Spare parts-Homografts of bone marrow (dogs)
- P01AM-10824-08 0005 Cellular immunity - Effect of immunoregulatory alpha globulin on thymus and cells (mice)
- P01AM-10824-08 0007 Cellular immunity - Immunoregulatory alpha globulin in induction of tolerance (mice)
- R01AM-11693-07 Lymphocyte functional capacities (chickens)
- ** R01CA-03353-17 Experimental radiotherapy-Cellular responses in vivo (mice)
- ** P02CA-08832-08 0116 An integrated study of advanced malignant diseases - Physical aspect of whole-body electron radiation (human)
- ** P02CA-08832-08 0134 An integrated study of advanced malignant diseases - Total body radiotherapy
- ** P02CA-10438-08 0010 Clinical radiation therapy research center - Cell kinetics (mice, human)
- R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
- ** P02CA-10895-06 0001 Adult leukemia research center - Bone marrow transplantation (human)
- P02CA-10895-06 0010 Adult leukemia research center - Molecular biology (human, dogs, birds)
- P02CA-10895-06 0011 Adult leukemia research center - Genetics (dogs, human)
- ** P02CA-12178-04 0011 Radiotherapy-oncology center - Whole body irradiation
- ** R01CA-12944-03 Induction of leukemia in rodents by radiation
- ** R01CA-13004-03 Effect of irradiation on 67Ga localization in animals (mice)
- R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- R01CA-13299-02 Cure of advanced mouse lymphoma by total body x-ray
- R01CA-13377-02 Immunological prevention of leukemia induction (mice)
- R01CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
- ** R01CA-14270-02 Immune surveillance in radiation carcinogenesis (mice)
- R01CA-17117-01 Protective environment in intensive cancer therapy (human)
- ** R01FD-00640-06 Time-radiation dose relationship to biological damage (rats)
- P01GM-13543-09 0015 Cellular and molecular pathology - Regeneration in the hematopoietic system (mice)
- R01GM-13631-09 Comparative studies on induced mutation in *Drosophila*
- ** P01GM-15253-08 0018 Genetics in medicine-Gene action in man - Bone marrow transplantation genetics (dogs, human)
- R01HD-07901-06 Comparative and developmental immunology (amphibians, mice)
- ** R01HL-11880-06 Total body irradiation and transplantation (human)
- ** R01HL-14695-02 Blood microcirculation in the lymph node (rabbits)
- RADIATION ENVIRONMENTAL**
- SEE RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL
- RADIATION FALLOUT**
- SEE RADIOLOGICAL HEALTH, RADIATION FALLOUT
- RADIATION (FOODS)**
- SEE FOOD SCIENCES AND TECHNOLOGY, FOOD IRRADIATION
- RADIATION GENETICS**
- SEE GENETICS, RADIATION GENETICS
- RADIATION HAZARDS**
- SEE RADIOLOGICAL HEALTH, RADIATION HAZARDS
- RADIATION IMMUNOSUPPRESSION**
- SEE IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION
- RADIATION INDUCED LEUKEMIA**
- SEE BLOOD AND RE NEOPLASMS, LEUKEMIA RADIATION INDUCED
- RADIATION INDUCED NEOPLASMS**
- SEE NEOPLASMS, RADIATION INDUCED
- RADIATION PROTECTION**
- SEE RADIOLOGICAL HEALTH, RADIATION PROTECTION
- RADIATION PROTECTION DRUGS**
- SEE RADIOLOGICAL HEALTH, RADIATION PROTECTION DRUGS
- RADIATION RECOVERY**
- R01AI-01218-18 The mechanism of bacterial transformation (yeasts)
- R01AI-05371-12 The physiology of bacterial conjugation
- ** R01AI-10990-03 Radiation pathology and treatment in germfree mice (and hamster)
- R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- ** R01AM-15669-03 Cytokinetics of repair in beta-irradiated epidermis (guinea pigs)
- ** R01AM-16501-03 Bone marrow injury and repair (rabbits, rats)
- R01CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
- R01CA-03353-17 Experimental radiotherapy-Cellular responses in vivo (mice)
- ** R01CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- R01CA-05959-13 Genetic-cytochemical studies on haploid cells in culture (frogs)
- P02CA-06519-12 0023 Radiation therapy and biology research program - Characteristics of a strain of *E. coli* K12 carrying *recA* ts
- ** P02CA-06519-12 0063 Radiation therapy and biology research program - Oxygen tension and tumor radiosensitivity
- ** P02CA-06519-12 0075 Radiation therapy and biology research program - Replication and transfer of plasmid DNA in *E. coli*
- ** R01CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- ** P01CA-08748-09 5515 Research program of Sloan-Kettering Institute - Effect of chloroquine on radiation repair in tumor cells (human, mice)
- ** P01CA-08748-09 7512 Research program of Sloan-Kettering Institute - Recovery from sub-lethal radiation damage (HeLa cells)
- ** R01CA-10714-07 Repair of radiation damage to cellular DNA (hamsters)
- ** R01CA-11138-06 Radiobiology of normal tissues (mice)
- ** R01CA-11751-05 Effects of radiation on stationary cells (mammals, human)
- ** R01CA-11953-03 Ultraviolet and ionizing radiation damage (hamsters, frogs)
- R01CA-12076-03 Cell kinetics in irradiated tumors of different growth (mice)
- ** R01CA-12104-02 Kinetics of epithelial repair after irradiation (mice)
- ** R01CA-12133-03 Restoration of bacterial chromosome from UV-damage (microorganisms)
- ** P01CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
- P02CA-12247-03 0037 Pediatric oncology center - Radiation responses of spontaneous oncology (dogs)
- ** P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
- R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)
- R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
- ** R01CA-12693-03 Modification of x-ray induced damages in phase T4
- ** R01CA-12757-03 Hemopoietic stem cell-Relation to CFC and CFU (mice)
- P01CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- R01CA-13270-02 Effects of fast neutrons on cultured mammalian cells
- ** R01CA-13299-02 Cure of advanced mouse lymphoma by total body x-ray
- ** R01CA-13437-02 Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals)
- R01CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
- ** R01CA-13779-02 Split-dose repair-Dividing vs post-mitotic cells (insects)
- R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
- ** R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
- ** R01CA-14005-02 The photoreactivating enzyme in repair of DNA (*E. coli*)
- R01CA-15378-01 Radiation-induced modifications in protein synthesis (human, Tetrahymena)
- ** P01CA-15820-01 0005 Comparative Oncology Research Program - Therapeutic studies-Normal tissue response Mutants and altered radioresponse of cells and tumors (mice)
- ** R01CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
- ** R01CA-16343-01 Mechanism of action of the photoreactivating enzyme
- R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
- ** P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary cells (human)
- ** P10ES-00002-12 0015 Occupational and environmental health - Recovery from radiation injury in amoeboid cell
- ** P10ES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (human)
- R01GM-07816-15 The mode of action of chemical mutagens (bacteria, mammals)
- ** R01GM-14595-08 0008 Continuity of cellular organelles - Photoreactivating enzymes (*Euglena*)
- R01GM-16547-09 Repair of radiation-damaged nucleic acid (bacteria, yeast, algae)
- ** R01GM-16620-06 Gamma ray effects on *D. discoideum*
- R01GM-19010-03 DNA repair in *Escherichia coli* and *Bacillus subtilis*
- ** R01GM-19175-03 Gene functions associated with the sexual cycle (yeast)
- R01NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
- RADIATION SENSITIVITY**
- SEE ALSO PHOTONSENSITIVITY
- R01AI-03047-16 Cell interaction in antibody formation (mice)
- ** R01AI-06966-09 Capsule synthesis, division and radiation sensitivity (bacteria)
- R01AI-07168-09 Genetics and physiology of *Salmonella typhimurium* (mice, *E. coli*)
- R01AM-08263-11 Kinetics of megakaryocyte and platelet turnover (mice, rats)
- ** R01AM-09995-09 Action spectra and biochemistry of photodermatoses (human, mice)
- R01AM-14545-05 Carotenoid therapy of photosensitive porphyria (human)
- R01CA-03983-16 Free radicals in physiological and pathological processes (rats)
- ** R01CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- ** R01CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- ** R01CA-05687-14 Genetics of radiation and radiomimetic agents (microorganisms)
- P02CA-05838-13 0008 Clinical radiotherapy cancer research center - Combined chemo- and radiotherapy of brain tumors
- ** R01CA-06097-13 Response of pigment cells to X- and UV-radiations (rodents, chick embryo)
- ** R01CA-06437-13 Molecular basis of radiation lethality (bacteria)
- ** P02CA-06518-11 0008 Radiation and radiobiology research center - Effect of hyperthermia on radiosensitivity (mice)
- ** P02CA-06518-11 0009 Radiation and radiobiology research center - Fractionated response to hyperthermia and x-radiation (mice)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** P02CA-06518-11 0019 Radiation and radiobiology research center - In vitro studies on hyperthermia and radiation (human)
- P02CA-06518-11 0036 Radiation and radiobiology research center - Radiation response of *Vicia faba*
- ** P02CA-06518-11 0038 Radiation and radiobiology research center - DNCB study
- P02CA-06519-12 0022 Radiation therapy and biology research program - Cellular recovery mechanisms, DNA repair and radiation sensitization
- P02CA-06519-12 0109 Radiation therapy and biology research program - Phage-induced x-ray resistance in *E. coli*
- R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
- ** P01CA-07368-11 0013 Interrelationships of normal and cancer cells - Radiation biology of astrocytoma
- ** P01CA-07368-11 0015 Interrelationships of normal and cancer cells - Glioblastoma-cell sensitivity to Bragg peak protons
- ** R01CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- M R01CA-08231-10 Radiobiology research program
- ** R01CA-08231-10 0001 Radiobiology research program - Radiation effect on taste (mice, human)
- ** R01CA-08231-10 0004 Radiobiology research program - Radiosensitivity and chromosomal volume (mammals, amphibians, plants)
- R01CA-08518-07 0003 Lysosomal enzymes in x-irradiated tumor cells - Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats)
- R01CA-08518-07 0005 Lysosomal enzymes in x-irradiated tumor cells - Mechanism of action of Trypan Blue
- ** R01CA-08618-09 Cellular responses to irradiation (hamsters)
- P01CA-08748-09 5502 Research program of Sloan-Kettering Institute - Radiation effects on enzymes related to DNA synthesis (human)
- ** P01CA-08748-09 5514 Research program of Sloan-Kettering Institute - Effect of neutrons on hypoxic HeLa cells
- ** P01CA-08748-09 5552 Research program of Sloan-Kettering Institute - Radiation responses of drug-resistant and drug-sensitive cell lines (hamsters)
- P01CA-08748-09 6309 Research program of Sloan-Kettering Institute - Biological effectiveness (RBE) of neutron-radiation on embryogenesis (rats)
- ** R01CA-10410-08 Dose-time factors influencing cellular radiosensitivity (mammals)
- P02CA-10438-08 0007 Clinical radiation therapy research center - Hematopoietic viral oncogenesis study group (mice)
- ** R01CA-10714-07 Repair of radiation damage to cellular DNA (hamsters)
- ** P01CA-10748-07 0005 Cancer chemotherapy program - Radiation sensitizing effects of 5-iodo-2'-deoxyuridine (tissue culture)
- ** P02CA-11051-06 0033 Clinical radiation research center - Radiosensitivity of the stimulated breast (guinea pigs)
- ** P02CA-11051-06 0054 Clinical radiation research center - Radiopathology-cytokinesis studies of human neoplasms
- ** P02CA-11051-06 0057 Clinical radiation research center - Clinical investigative radiation pathology
- ** R01CA-11138-06 Radiobiology of normal tissues (mice)
- ** P02CA-11602-05 0005 Research and clinical radiation center - Radiosensitivity and radiation repair kinetics of diploid tetraploid CHO cells
- ** R01CA-11751-05 Effects of radiation on stationary cells (mammals, human)
- ** R01CA-12076-03 Cell kinetics in irradiated tumors of different growth (mice)
- ** P02CA-12178-04 0008 Radiotherapy-oncology center - Whole lung irradiation
- P02CA-12197-03 0028 Multidisciplinary oncology research center - Time-radiation dose relationship to biologic damage (rats)
- R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)
- ** R01CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- ** P01CA-12536-04 0010 Effects of small doses of ionizing radiation - Relationship of intracellular cyclic AMP and radiosensitivity (rat, hamster)
- ** P01CA-12662-03 0003 Cancer research center - Radiation response of mammalian cells (hamsters)
- ** R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
- R01CA-12693-03 Modification of x-ray induced damages in phage T4
- ** R01CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
- R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
- ** R01CA-13353-02 Vascularity and reoxygenation in x-irradiated tumors (rats)
- R01CA-13371-02 Preclinical study of radiobiology of negative pions (mice)
- R01CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
- R01CA-13805-02 Radiation injury in subpopulations on lymphocytes (mice)
- R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
- R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- ** P01CA-14043-01 0010 Radiation therapy clinical and research center - Chlorpromazine and analogs in malignant melanoma
- R01CA-14089-01 0052 Pilot multidisciplinary cancer research program - Basic research projects-radiation oncology
- ** P01CA-14089-01 0057 Pilot multidisciplinary cancer research program - Lymphocyte sensitization to irradiated tissues (human, laboratory animals)
- ** P01CA-14089-01 0061 Pilot multidisciplinary cancer research program - In-vivo radiation tolerance of human liver
- R01CA-14165-02 Optimization of radiation therapy (mice)
- ** R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
- R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
- ** P01CA-14395-02 0008 Cancer research center of Greater Miami - Therapy and pyrimidine catabolism, radiation and repair (mammals)
- ** R01CA-14434-02 Molecular basis for radiation sensitization
- R01CA-14668-01 Radiation protectors as adjunct to radiotherapy (rabbits)
- ** R01CA-14701-01 Effect of age on radiation-induced pulmonary fibrosis (rats)
- R01CA-14730-01 Virus induced leukemic stem cells in mice
- R01CA-14840-01 Pathogenesis of liver cancer, the role of repair (rats)
- R01CA-15201-01 Experimental radiotherapy-Basis and modification (mice)
- ** R01CA-15593-01 Computer-assisted analysis of irradiated lymphocytes (mice)
- R01CA-15594-01 Effects of radiation on replicating endothelial cells (mice)
- ** R01CA-15901-01 Mutants and altered radioresponse of cells and tumors (mice)
- R01CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
- R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
- ** R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
- ** P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary cells (human)
- ** P10ES-00002-12 0015 Occupational and environmental health - Recovery from radiation injury in amoeboid cell
- ** P10ES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (human)
- ** P01ES-00269-08 0003 Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
- ** R01FD-00530-01 Mechanisms of radiation resistance in microorganisms (*S. typhimurium*)
- ** R01FD-00645-05 Radiation damage-Metabolism in reproductive system (mice, rabbits)
- ** R01FD-00654-03 F2 effects from x-ray of human female fetuses
- ** R01FD-00658-03 Cellular damage by visible and near-visible light (bacteria)
- R01FD-00665-02 Ultrasonic toxicity study
- R01FD-00680-01 Diagnostic ultrasound-injury thresholds and mechanisms (cats)
- R01GM-10287-12 Biological function of superoxide dismutase (plants, animals)
- ** R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
- R01GM-15881-14 Enzymatic excision and repair mechanism
- R01GM-16298-06 Molecular and genetic studies (*Drosophila*)
- R01GM-16547-09 Repair of radiation-damaged nucleic acid (bacteria, yeast, algae)
- ** R01GM-16620-06 Gamma ray effects on *D. discoideum*
- R01GM-18619-02 High resolution biological electron microscopy
- ** R01GM-18927-03 DNA base damage induced by gamma radiation (*Escherichia coli*)
- R01GM-19175-03 Gene functions associated with the sexual cycle (yeast)
- R01GM-21217-01 Improved radiopharmaceuticals for renal studies
- R01HL-15740-02 In vitro studies on heart cell function (rats)
- R01MS-11457-02 Pathogenesis of CNS autoimmune disorders (human, mice)
- RADIATION STUDY SECTION**
- ** R01AI-10990-03 Radiation pathology and treatment in germfree mice (and hamster)
- R01AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- ** R01AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- R01AM-15669-03 Cytobionics of repair in beta-irradiated epidermis (guinea pigs)
- ** R01AM-15758-03 Control of cell proliferation in the intestine (rats)
- R01AM-16026-04 Angiographic diagnosis and control of GI bleeding (human, dogs)
- ** R01AM-17243-01 Tracer techniques in diagnosis of acute cholecystitis (human, dogs)
- ** R01AM-17484-01 An evaluation of XRF scanning in thyroid disease (human)
- ** R01AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, human)
- ** R01CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
- ** R01CA-03353-17 Experimental radiotherapy-Cellular responses in vivo (mice)
- R01CA-04483-15 Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells)
- ** R01CA-04484-16 Relationship of repair and recovery in mammalian cells (hamsters)
- ** R01CA-04542-16 Modification of radiation response in vitro (mammals)
- ** R01CA-05654-14 Evaluation of supervoltage therapy (human)
- ** R01CA-05687-14 Genetics of radiation and radiomimetic agents (microorganisms)
- R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- R01CA-06263-13 Computer analysis of tumor roentgenograms (human)
- ** R01CA-06437-13 Molecular basis of radiation lethality (bacteria)
- R01CA-08144-10 Effect of ionizing radiation on isolated cell nuclei (rats)
- M R01CA-08231-10 Radiobiology research program
- R01CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
- ** R01CA-08349-09 Potential tumor or organ imaging agents
- R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
- R01CA-08618-09 Cellular responses to irradiation (hamsters)
- R01CA-10410-08 Dose-time factors influencing cellular radiosensitivity (mammals)
- R01CA-10714-07 DNA (hamsters)
- R01CA-10941-06 Proliferation and differentiation of stem cells (mice)
- ** R01CA-11138-06 Radiobiology of normal tissues (mice)
- ** R01CA-11751-05 Effects of radiation on stationary cells (mammals, human)
- ** R01CA-11857-03 Computer automated radiation therapy system
- R01CA-11858-05 Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters)
- ** R01CA-11953-03 Ultraviolet and ionizing radiation damage (hamsters, frogs)
- R01CA-12076-03 Cell kinetics in irradiated tumors of different growth (mice)
- R01CA-12104-02 Kinetics of epithelial repair after irradiation (mice)
- R01CA-12133-03 Restoration of bacterial chromosome from UV-damage (microorganisms)
- R01CA-12179-02 Automation of a clinical radiation therapy center
- ** R01CA-12180-03 Cyclotron and retinoblastoma (monkeys, swine)
- R01CA-12246-03 Boron-proteins for chemo-radiotherapy of tumors
- ** R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)
- R01CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- ** R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
- ** R01CA-12693-03 Modification of x-ray induced damages in phage T4
- ** R01CA-12699-03 Manipulation of preleukemic change in whole-body irradiated mice
- R01CA-12757-03 Hemopoietic stem cell-Relation to CFC and CFU (mice)
- ** R01CA-12758-02 Modification of tumor growth in hepatomas by radiation (rats)
- ** R01CA-12759-03 Effect of environmental factors on ultraviolet injury (mice, rabbits)
- ** R01CA-12944-03 Induction of leukemia in rodents by radiation
- ** R01CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
- R01CA-13004-03 Effect of irradiation on ⁶⁷Ga localization in animals (mice)
- ** R01CA-13048-03 DNA repair and mutagenesis in mammalian cells (human, hamster)
- R01CA-13050-03 Combination therapy of childhood leukemia
- R01CA-13080-03 Comparative carcinogenicity of tritium (mice)
- R01CA-13127-03 Effects of intracavitary irradiation with CF-252 (swine)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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** R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
 R01CA-13252-03 Irradiation of tumor membranes and chromosomes (human, primates, rodents, plants)
 ** R01CA-13270-02 Effects of fast neutrons on cultured mammalian cells
 ** R01CA-13299-02 Cure of advanced mouse lymphoma by total body x-ray
 ** R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
 R01CA-13312-02 Field ion mass spectrometry applied to cancer therapy (rats)
 ** R01CA-13351-02 Selection of cancer therapy by uptake of cesium 131 (human)
 R01CA-13353-02 Vascularity and reorganization in x-irradiated tumors (rats)
 ** R01CA-13371-02 Preclinical study of radiobiology of negative pions (mice)
 R01CA-13435-02 Effects of therapeutic radiation on lymphocyte response (human)
 R01CA-13437-02 Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals)
 ** R01CA-13469-02 Neutron radiation cancer therapy source
 ** R01CA-13622-02 Hodgkin's disease—Retrograde spread via thoracic duct (dogs)
 R01CA-13666-02 Colony forming cells in bone marrow (human, mice)
 R01CA-13683-02 Lung cancer—Video-densitometry for mass screening
 ** R01CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
 R01CA-13805-02 Radiation injury in subpopulations on lymphocytes (mice)
 R01CA-13806-02 Immunocompetence in radiation therapy patients
 ** R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
 R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
 R01CA-13881-02 Radiation in vitro—Mammary cell survival—Neoplasia (rats)
 ** R01CA-13899-02 Radiation repair of normal mammalian tissues (dogs)
 R01CA-14005-02 The photoreactivating enzyme in repair of DNA (E coli)
 ** R01CA-14117-02 Tumor cell killing by x-rays and immunity (mice)
 ** R01CA-14165-02 Optimization of radiation therapy (mice)
 ** R01CA-14228-02 Role of immunosuppression in radiation induced leukemia (mice)
 R01CA-14270-02 Immune surveillance in radiation carcinogenesis (mice)
 ** R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
 M R01CA-14374-02 Effect of radiotherapy on host immune reactions
 ** R01CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
 R01CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
 ** R01CA-14668-01 Radiation protectors as adjunct to radiotherapy (rabbits)
 ** R01CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)
 ** R01CA-14701-01 Effect of age on radiation-induced pulmonary fibrosis (rats)
 M R01CA-14722-02 Pion cancer therapy
 ** R01CA-14770-01 Human tumor cell kinetics—Effect of treatment
 ** R01CA-14771-01 Radiation nephritis in a nonhuman primate (Macaca)
 ** R01CA-14799-01 Role of a human cell endonuclease in repair of DNA
 R01CA-14876-02 Cell mediated immunological defects in man after irradiation
 M R01CA-14969-02 Radionuclide studies of tumors and growth
 ** R01CA-15054-01 Cellular immunity and thymic radiation in human cancers
 ** R01CA-15139-01 Dose-rate dependence of tumor cure in radiotherapy (mice)
 ** R01CA-15201-01 Experimental radiotherapy—Basis and modification (mice)
 ** R01CA-15203-01 Brain tumor therapy—Radiation, DNA damage and repair (rats)
 ** R01CA-15209-01 X-ray microtomography of various organ systems
 ** R01CA-15225-01 Cancer radiochemotherapy with 7-trifluorotriacetylamine (rats, human)
 ** R01CA-15307-01 Cell irradiations with molecular ions (hamsters)
 ** R01CA-15378-01 Radiation-induced modifications in protein synthesis (human, Tetrahymena)
 R01CA-15459-02 Psychological effects of cranial irradiation (human)
 ** R01CA-15511-01 Radiotherapy planning based on cell kinetics (mice)
 ** R01CA-15593-01 Computer-assisted analysis of irradiated lymphocytes (mice)
 ** R01CA-15594-01 Effects of radiation on replicating endothelial cells (mice)
 ** R01CA-15670-01 Effects of x-irradiation on the phagocytic response (human, mammals nonhuman)
 ** R01CA-15833-01 Radiofrequency heat for cancer therapy (cats, dogs, mice)
 ** R01CA-15882-01 Transverse section x-ray camera (human)
 ** R01CA-15901-01 Mutants and altered radioresponse of cells and tumors (mice)
 ** R01CA-15902-01 Computerized roentgenologic /clinical diagnostic methods (human)
 ** R01CA-16019-01 Lymph node metastasis—Angiographic and isotopic studies (rabbits)
 ** R01CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
 ** R01CA-16111-01 Local ultrasonic hyperthermia for tumor therapy (cats)
 ** R01CA-16178-01 In vitro thermal enhancement of radiosensitivity
 ** R01CA-16316-01 Melanoma detection with radiopharmaceuticals
 ** R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
 ** R01CA-16347-01 Regulation of survival of ultraviolet-irradiated E coli K-12
 ** R01CA-16357-01 Prevention of death from radio-or-chemotherapy (mice)
 ** R23DE-03516-03 Parotid gland subcellular response to X-irradiation (rats)
 ** R01DE-03969-01 Infrared emissivity of teeth and intraoral mucosa
 ** R01EY-01212-01 Ultrasonic evaluation of ocular tissues (human)
 ** R01EY-01218-01 Ultrasonic evaluation of ocular tissues (human)
 ** R01FD-00530-01 Mechanisms of radiation resistance in microorganisms (S typhimurium)
 ** R01GM-08209-11 Biophysical basis for thresholds in bio-ultrasound
 ** R01GM-09933-12 Ultrasonics and dielectrics of biomaterial (plants, cattle, chickens, bacteria)
 ** R01GM-12281-10 Ultrasonic absorption by biological materials (frogs, mice)
 ** R01GM-13966-07 Precision production of organic tracers
 ** R01GM-16188-05 Detection and measurement of radionuclide (phantom models)
 ** R01GM-16248-16 Quantitative section scanning in brain tumor and stroke
 ** R01GM-16547-09 Repair of radiation-damaged nucleic acid (bacteria, yeast, algae)
 M R01GM-16593-06 Tissue partitions and toxicity of contrast media (rabbits, dogs)
 R01GM-16620-06 Gamma ray effects on D discoideum
 R01GM-17113-04 Radiosciintigraphy demonstration of thrombophlebitis (human, dog, monkey)
 ** R01GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
 ** R01GM-18248-03 Radioisotopic screening methods for renal disease (dogs)
 ** R01GM-18747-03 Energy transfer and reaction in DNA-histone complexes
 ** R01GM-18780-03 Ultrasonic camera for soft tissue imaging—Part A
 R01GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)
 ** R01GM-19706-01 Effects of ultrasound on cell growth and division
 ** R01GM-19864-01 Real-time conversion of thermal to visible pictures
 R01GM-19989-02 Reading methods and image quality vs x-ray reading error (human)
 R01GM-20022-02 Cartilage-selective radiocontrast agents (primates, dogs, cats, mice)
 R01GM-20115-02 Liquid sodium multi-wire radioisotope camera (human, dogs)
 ** R01GM-20226-01 Magnetosonic image converter
 ** R01GM-20227-01 CNS cellular response to contrast ventriculography (rhesus monkey)
 R01GM-20514-02 Sonic techniques for biological cell dispersal
 ** R01GM-20543-01 Technetium orthophosphate for bone imaging (dog, swine)
 ** R01GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
 ** R01GM-20730-01 Perfluorocytlobromide in myelography and lymphography
 ** R01GM-20774-01 Ultrasonic camera for soft tissue imaging—Part B (human)
 ** R01GM-20787-01 Radionuclide quantitative spatial imaging
 ** R01GM-20834-01 Acoustical holography medical imaging
 ** R01GM-20885-01 Radiographic visualization of liver and spleen (human, rats, dogs)
 ** R01GM-20980-01 Thrombotic complication of catheter angiography (dogs)
 ** R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
 ** R01GM-21217-01 Improved radiopharmaceuticals for renal studies
 ** R01GM-21294-01 Induction of mutator activity by ionizing radiation (yeast)
 ** R01GM-21296-01 Improved detection and visualization of colon lesions
 ** R01GM-21722-01 Mosaic intrinsic germanium radioisotope scan device
 ** R01HD-06832-03 Chromosome mutations in infants and children
 ** R01HL-09913-09 Cerebral veins—Anatomic and radiologic correlation (human)
 R01HL-12715-06 Dynamic cardiovascular measurement using ultrasound (dogs)
 ** R01HL-12875-05 Ultrasonic visualization of arteries (human)
 R01HL-13625-05 Radionuclide study of regional myocardial blood flow (dogs, human)
 ** R01HL-13932-04 Physiologic data acquisition from medical fluoroscopy (human, animals)
 ** R01HL-13998-03 Coronary revascularization using an angier camera (human)
 ** R01HL-14408-03 Atherosclerosis and radio frequency irradiation (rabbits, rats, monkeys)
 R01HL-14695-02 Blood microcirculation in the lymph node (rabbits)
 ** R01HL-14785-03 Scattering of ultrasound by cardiac tissue (dogs)
 ** R01HL-14826-02 External isotope assay of atherosclerosis (rats, rabbits)
 R01HL-15012-02 Thrombosis detection for prevention of emboli (human)
 R01HL-15016-02 New concepts in cardiac ultrasound technology
 ** R01HL-15036-01 In vitro cinephotography using a laser light source
 ** R01HL-15244-01 Experimental developments in diagnosis of thrombosis (rabbits, dogs)
 ** R01HL-15423-02 Regional cerebral blood volume by X-ray fluorescence (human, monkeys)
 R01HL-15781-02 Guided vascular obliteration of CNS vascular lesions (human)
 R01HL-15782-02 Hemodynamics at branchpoints studied with ultrasound (swine, dogs)
 ** R01HL-15844-01 Cerebrovascular system assessment by Doppler ultrasound (human)
 ** R01HL-16218-01 Time delay acoustic spectroscopy in lung disease (human)
 ** R01HL-16262-01 Synthesis of molecules for myocardial imaging
 ** R01HL-16484-01 Radiographic ventriculometry for coronary heart disease (human)
 ** R01HL-16487-01 Computer controlled two dimensional echocardiography
 ** R01HL-16553-01 Diagnosis of myocardial infarction by radioisotopes (mice, rats, goats)
 ** R01HL-16555-01 Engineering development of an ultrasonic ventilometer
 ** R01HL-16759-01 Ultrasonic measurement of cardiac geometry and flow
 ** R01HL-16830-01 Non-invasive determination of aortic blood velocities (human)
 ** R01NS-04761-11 Radiation induced changes in neonatal nervous system (rats)
 ** R01NS-09198-04 Radiological studies of cerebrospinal fluid (human, dogs)
 ** R01NS-09349-04 Intravascular magnetic techniques and the nervous system (human, mammals)
 ** R01NS-10983-02 Ultrasonic visualization assessment of brain trauma (monkeys)
 ** R01NS-11696-01 Transfer of X-ray contrast media into the CSF (rabbits, dogs)
 ** P07RR-00657-01 A program in support of nuclear medicine
RADIATION THERAPY
 SEE ALSO NEOPLASTIC THERAPY, CANCER RADIOTHERAPY
 SEE ALSO PHOTOTHERAPY
 ** R01AI-09419-11 Irradiation and marrow transplantation in large animals (dogs)
 R01AI-10658-02 Induction of unresponsiveness to allografts (dogs)
 R01AM-07642-11 Long acting thyroid stimulator (human)
 R01AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
 R01AM-15669-03 Cytokinetics of repair in beta-irradiated epidermis (guinea pigs)
 ** R10CA-02824-19 Eastern cooperative oncology group
 R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
 P02CA-05826-13 0044 Clinical cancer research center - Medical and metabolic studies-malignant ascites
 ** P02CA-05838-13 0022 Clinical radiotherapy cancer research center - Orbital radiotherapy for Graves' ophthalmopathy
 ** R10CA-07190-12 Eastern cooperative oncology group
 R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
 ** R01CA-08231-10 0002 Radiobiology research program - Low-dose capillary damage revealed by microangiography (mice)
 R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** R10CA-08970-08 Pathology center for lymphoma clinical trial studies (human)
 R01CA-10167-08 Separation of blood by continuous flow centrifuge (primates, dogs, human)
 P01CA-10372-07 Radiobiology-oncology research program
 P01CA-10797-02 Establishment of a clinical radiation therapy research unit
 P02CA-10895-06 0001 Adult leukemia research center - Bone marrow transplantation (human)
 P02CA-11051-06 0035 Clinical radiation research center - Histocytosis X (human)
 P02CA-11051-06 0041 Clinical radiation research center - Radiation physics-X-ray spectrum alteration due to tissue differences
 P02CA-11051-06 0053 Clinical radiation research center - Radiation pathology-Hepatitis alteration by heparin (rats)
 R10CA-11109-06 Eastern cooperative oncology group
 P02CA-11911-04 0002 Clinical cancer center - Surgical versus conservative management of extradural lymphoma
 P02CA-11911-04 0012 Clinical cancer center - Effects of 5-fluorouracil, oxygen inhalation therapy on radiation-treated cancer
 P02CA-11911-04 0013 Clinical cancer center - 5-Fluorouracil and radiation adjuncts to surgery of gastric cancer
 P02CA-11911-04 0014 Clinical cancer center - Fluorouracil, radiation, oxygen therapy adjuncts to surgery of rectal carcinoma
 P02CA-11911-04 0017 Clinical cancer center - Carcinoma of the prostate
 P02CA-11911-04 0018 Clinical cancer center - Hypernephroma
 R01CA-12179-02 Automation of a clinical radiation therapy center
 R10CA-12240-04 National surgical adjuvant breast project
 R10CA-12271-04 Central oncology group
 R10CA-12282-04 Central Oncology Group
 R10CA-12284-04 Central oncology group
 P01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
 R10CA-12482-04 Gynecologic oncology group
 P01CA-12542-03 0033 Fast neutron therapy with TAMVEC cyclotron - Tissue radiobiology (swine, miniature, monkeys)
 R01CA-13050-03 Combination therapy of childhood leukemia
 R01CA-13212-03 Initiation and development of radiotherapy studies
 P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
 R01CA-13700-02 Parathyroid hormone and cancer (human)
 R01CA-14434-02 Molecular basis for radiation sensitization
 R01CA-14445-02 Carcinostatic treatment according to spectrum of rhythms(mice)
 R13CA-15298-01 Radiation and host immune defense mechanisms in malignancy (Arizona)
 R01CA-16111-01 Local ultrasonic hyperthermia for tumor therapy (cats)
 R26CA-16276-01 National program for pancreatic cancer
 N01CB-33899-01 Chemotherapy utilizing 5-FU, cytoxin and prednisone (human)
 N01GM-80950-10 Brain tumor chemotherapy (human)
 N01CP-33272-01 Propagation and seroepidemiology of EB virus
 P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
 P10ES-00260-12 0029 Research in the environmental health sciences - Breast cancer after postpartum mastitis
 P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
 R01EY-00224-13 Study of eye physiology and disease by ultrasound (human, rabbits)
 R01FD-00656-02 Photoconductive polymers for dental autoradiograms
 P01GM-19428-03 0013 Computer aided biomedical pattern recognition - Three dimensional reconstruction in radiology (human)
 R01HD-09026-01 Bilirubin photochemistry and pyrrole photooxidation
 R01HL-14799-03 Heart transplantation-Immunologic and physiologic studies (rats, dogs, mice)
 P01HL-15833-01 0012 Pharmacologic and physiologic basis of cardiac therapy - Quantitative circulatory effects of specific disease states in man
 R18HS-00567-04 Project to improve utilization of radiologic manpower
 P01NS-06833-08 0005 Interdisciplinary stroke program - Cerebral circulation studies in nuclear medicine (human, monkeys)
 P07RR-00003-13 0058 Medical data processing research - Remote graphics treatment planning
 M01RR-00042-14 0021 General clinical research center - Long-term survival following renal transplantation (human)
 M01RR-00043-14 0036 General clinical research center - Growth hormone levels in acromegaly with various treatments (human)
 M01RR-00043-14 0043 General clinical research center - Effects of 125-I therapy thyrotoxic Graves disease (human)
 M01RR-00043-14 0049 General clinical research center - Thyroid hormone equivalent activity study (human)

** M01RR-00055-13 0033 General clinical research center - Evaluation of I-131 in treatment of Graves disease (human)
 M01RR-00070-12 0022 General clinical research center - Radiotherapy for ophthalmopathy of Graves disease (human)
 M01RR-00082-12 0051 General clinical research center - Postoperative assessment of abdominal sarcoma in children
 P07RR-00267-09 0118 Biomedical data processing unit - Radiation therapy treatment planning program
 P07RR-00267-09 0128 Biomedical data processing unit - External beam radiotherapy
 P07RR-00396-07 Resource for biomedical computing
 M01RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)
RADIATION THERAPY, EXTRACORPOREAL RADIATION
 P02CA-10895-06 0016 Adult leukemia research center - Extracorporeal irradiation of blood (human)
RADIATION THERAPY, RADIOISOTOPE THERAPY
 SEE ALSO NEOPLASTIC THERAPY, CANCER RADIOISOTOPE THERAPY
 R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
 P07RR-00003-13 0058 Medical data processing research - Remote graphics treatment planning
 M01RR-00043-14 0076 General clinical research center - Human thyroid hormone metabolism
 M01RR-00058-13 0051 General clinical research center - Polycythemia vera study group (human)
 M01RR-00336-08 0067 General clinical research center - Phlebotomy, chemotherapy or radiophosphorus therapy of polycythemia vera (human)
RADIATION THERAPY, TELE THERAPY
 P02CA-06518-11 0033 Radiation and radiobiology research center - Radiation hepatitis
 R01CA-11857-03 Computer automated radiation therapy system
 P01CA-12441-04 0001 Fast neutron beam radiotherapy - Physics
 P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
 R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
RADIATION THERAPY DOSAGE
 SEE RADIATION DOSAGE, RADIATION THERAPY DOSAGE
RADICULONEURITIS
 SEE NERVOUS DISORDERS PERIPHERAL, POLYNEURITIS ACUTE IDIOPATHIC
RADIO
 SEE ELECTRONIC STIMULATORS, RADIOFREQUENCY CONTROLLED
 SEE INFORMATION DISSEMINATION, RADIO
RADIOLOGICAL WASTES
 SEE RADIOLOGICAL HEALTH, RADIOACTIVE WASTES
RADIOASSAY (RADIOMETRY)
 SEE ALSO RADIOAUTOGRAPHY*
 SEE ALSO RADIOGRAPHY*
 SEE ALSO RADIO LABELED*
 R01AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
 R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
 P01AM-15515-03 0006 Psoriasis biology, psoriasisgenesis and lesion control - Therapeutic mechanism of sunlight
 R01AM-16837-01 Biochemistry of lipids in growing normal tissues (rat liver)
 P01CA-08748-09 5525 Research program of Sloan-Kettering Institute - TOKMI studies of metabolically active isotopes in vivo
 P01CA-08748-09 5555 Research program of Sloan-Kettering Institute - Distribution of injected Sc-47 in mice
 P01CA-08748-09 5556 Research program of Sloan-Kettering Institute - Fluorine-18 metabolism in the acutely uremic rat
 P01CA-08748-09 7504 Research program of Sloan-Kettering Institute - Pulsed radiation dosimetry in thin layers of cells
 R01CA-11858-05 Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters)
 P01CA-13343-02 0017 Environmental cancer - Evaluating exposure of miners to radon with lead - 210
 P10ES-00267-07 0006 Center for environmental toxicology - Metabolism of phosphorothionate insecticides (rats)
 R01FD-00201-04 Assay of staphylococcus and mycoplasma in foods
 P01GM-10548-12 0002 Nuclear instrumentation and chemistry in medicine - Automated microbiology (human)
 P01GM-10548-12 0005 Nuclear instrumentation and chemistry in medicine - Radiometric assays in diagnostic medicine
 R01GM-12573-10 Mechanism of action of cytotoxic drugs
 P11GM-12675-10 0050 Biochemical toxicology and pharmacology - Glucuronide formation-Morphine and P-nitrophenol (human, cat, rodents)

** R01HL-13980-03 Function of fatty acid isomers in serum components (mammals, birds)
 P17HL-14201-04 0024 Pulmonary disease research center - Glucocorticoid effects on fetal lung development
 R01HL-15384-02 Biochemistry of the angiotensin I converting enzyme (rabbits)
 N01HV-12491-03 Radiassay of myocardial disorders (human, mammals nonhuman)
 P01MH-16674-06 0018 A program of psychiatry-oriented biological research - Measurement of histamine in blood using enzymatic-isotopic microassay
 R01MH-17968-05 Chlorpromazine metabolism in acute schizophrenia (human)
 R01MH-25645-01 Chlorpromazine excretion-Isotope vs chemical assay
RADIOASSAY, EXTRACORPOREAL RADIOASSAY*
 R01AJ-09419-11 Irradiation and marrow transplantation in large animals (dogs)
RADIOASSAY, FLUORODS*
 P01GM-16058-09 0001 Biosensor and subject monitoring system development - Fluorescence spectroscopy for biological probes
RADIOASSAY, RADIATION COUNTERS*
 R01GM-05365-17 Biological investigations with isotopes
 R01GM-20370-02 Noninvasive sensing of subcutaneous temperatures (human, mammals)
RADIOASSAY, SCINTILLATION CAMERAS*
 SEE ALSO RADIOGRAPHY, FLUOROSCOPY, AUTOFLUOROSCOPY*
 R01AM-17243-01 Tracer techniques in diagnosis of acute cholecystitis (human, dogs)
 P01CA-08748-09 5525 Research program of Sloan-Kettering Institute - TOKMI studies of metabolically active isotopes in vivo
 P01CA-08748-09 5539 Research program of Sloan-Kettering Institute - Image characteristics in phantoms and small mammals
 P01CA-08748-09 5546 Research program of Sloan-Kettering Institute - Improved resolution of radioactivity localization
 R01CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
 R01CA-14722-02 0002 Pion cancer therapy - Multivire proportional counters for treatment volume visualization
 P01GM-08522-12 Imaging systems for biological organisms
 P01GM-14267-09 0015 Microelectronics laboratory for biomedical science - Nuclear imaging systems in radiology
 R01GM-16188-05 Detection and measurement of radionuclide (phantom models)
 P01GM-17729-04 0002 Diagnostic content and redundancy in radiant images - Extraction of radiant image intelligence
 M P01GM-18940-02 Study of radiologic images
 P01GM-18940-02 0017 Study of radiologic images - Development of liquid xenon imaging system
 P01GM-20115-02 Liquid xenon multi-wire radioisotope camera (human, dogs)
 P01GM-21017-01 0012 Diagnostic radiology method development - Xenon filled chambers and Fresnel zone plate for radionuclide imaging
 P01HL-05435-14 0030 Cardiovascular research and training program - Nuclear medicine (human, dogs)
 P01HL-06285-14 0144 Cardiovascular-respiratory physiology and biochemistry - Regional myocardial blood flow (human, dogs)
 P01HL-06664-13 0017 Cardiopulmonary function in remediable vascular disease - Direct coronary artery surgery-Scintigraphy (human)
 R01HL-13036-04 Coronary thrombosis (human, dogs)
 R01HL-13625-05 Radionuclide study of regional myocardial blood flow (dogs, human)
 R01HL-13958-03 Coronary revascularization using an anger camera (human)
 P17HL-14197-04 0001 Center of research on arteriosclerosis - Clinical evaluation of atherosclerosis (dogs, human)
 R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
 R01HL-15244-01 Experimental developments in diagnosis of thrombosis (rabbits, dogs)
 P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
 P01MS-08802-05 0003 Cerebrovascular disease research center - Arterial lesions detection by gamma camera (human)
 P01NS-22323-04 Semiconductor gamma camera system for nuclear medicine
RADIOASSAY, SCINTILLATION CAMERAS, POSITRON*
 P01CA-14722-02 0002 Pion cancer therapy - Multivire proportional counters for treatment volume visualization
 P01GM-18940-02 0005 Study of radiologic images - Development of new radionuclide imaging agents and procedures (human, mice)
 P01HL-05435-14 0030 Cardiovascular research and training program - Nuclear medicine (human, dogs)
 P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01NS-10828-01 0001 An interdepartmental stroke program 2 Cerebral hemodynamics and metabolism using radionuclides (human)
- RADIOASSAY, SCINTILLATION COUNTERS***
- RO1CA-03353-17 Experimental radiotherapy-Cellular responses in vivo (mice)
- P01CA-08748-09 5554 Research program of Sloan-Kettering Institute - Organ uptake of radioactive tracers
- RO1CA-14991-02 Removal of premalignant and malignant intestinal cells (human, hamsters)
- RO1GM-05365-17 Biological investigations with isotopes
- P11GM-15190-08 0011 Center for toxicological research and training - Metabolism of methylmercury compounds in man
- P01HL-16607-01 0001 Calcium ion and control of cardiovascular function - Electrical and chemical control of calcium fluxes through model membrane systems
- RADIOASSAY, SCINTILLATION COUNTERS, WHOLE BODY***
- ** P01CA-13343-02 0018 Environmental cancer - Distribution and persistence of carcinogenic transuranium (human, monkeys)
- RADIOASSAY, SCINTILLATION SCANNERS***
- SEE ALSO BRAIN VISUALIZATION, BRAIN SCANNING*
SEE ALSO LIVER VISUALIZATION, LIVER SCANNING*
SEE ALSO RADIOAUTOGRAPHY, ROTATIONAL RADIOISOTOPE PHOTOSCANNER*
SEE ALSO RADIODIAGNOSIS, RADIOISOTOPE
SEE ALSO RADIOGRAPHY, FLUOROSCOPY, AUTOFLUOROSCOPY*
SEE ALSO RESPIRATORY VISUALIZATION, LUNG SCANNING*
SEE ALSO SKELETAL VISUALIZATION, BONE SCANNING*
- ** R01AM-15279-03 Urinary particle scanning in urinary tract disease (dogs, human)
- P01CA-08748-09 5534 Research program of Sloan-Kettering Institute - Fluorine-18 scanning for bone lesions in cancer patients
- ** P02CA-11911-04 0015 Clinical cancer center - Sensitivity of radioisotope liver scanning in metastases
- ** P02CA-11911-04 0016 Clinical cancer center - Scintiscans of the pancreas
- ** P02CA-13696-02 0025 Clinical cancer research center - Nervous neoplasms-Isotope concentration in tumor response (dogs)
- P02CA-13696-02 0026 Clinical cancer research center - Nervous neoplasms-Effect of contrast media at brain cellular level (human)
- P02CA-13696-02 0042 Clinical cancer research center - Radiodiagnostic technique-Angiotomography, arteriography, pancreatography (human)
- ** P01CA-14089-01 0059 Pilot multidisciplinary cancer research program - Scintigraphic differentiation of focal hepatic lesions
- P01CA-14089-01 0060 Pilot multidisciplinary cancer research program - Regional blood flow in hepatic lesions (human)
- RO1CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
- ** P01DE-02849-06 0018 Mechanism and treatment of periodontal disease - Radioisotope scanning techniques and mineral metabolism of alveolar bone (human)
- ** P01DE-02849-06 0034 Mechanism and treatment of periodontal disease - To determine the bone seeking isotope of choice
- ** P01DE-02849-06 0036 Mechanism and treatment of periodontal disease - To determine scanning end point (dogs)
- RO1DE-03796-03 Statolith differentiation in Aurelia (jellyfish)
- RO1GM-05365-17 Biological investigations with isotopes
- ** RO1GM-17113-04 Radioscintigraphy demonstration of thrombophlebitis (human, dog, monkey)
- P01GM-18940-02 0002 Study of radiologic images - Physical factors affecting radiographic image quality (models, human)
- P01GM-18940-02 0009 Study of radiologic images - In vivo radionuclide distribution studies (rodents, monkeys, human)
- P01GM-18940-02 0010 Study of radiologic images - Collimation and detection of radiation (phantom models)
- P01GM-18940-02 0014 Study of radiologic images - Sensitivity and resolution in collimator design
- P01GM-18940-02 0017 Study of radiologic images - Development of liquid xenon imaging system
- RO1HL-03532-17 Cardiovascular control and compensatory responses (human, dogs, monkeys)
- P01HL-13517-04 0021 Circulatory performance and production - Quantifying the size of ischemic infarcted /scarred myocardium (dogs)
- RO1HL-14317-03 Cardiac output distribution hypoxia (dogs)
- ** RO1HL-15012-02 Thrombosis detection for prevention of emboli (human)
- ** P01NS-06833-08 0005 Interdisciplinary stroke program - Cerebral circulation studies in nuclear medicine (human, monkeys)
- ** P01NS-08802-05 0009 Cerebrovascular disease research center - Isotopic determination of circulation time (human)
- MO1RR-00042-14 0024 General clinical research center - Methioquin iodine 131 therapy in malignant melanoma (human)
- ** MO1RR-00042-14 0036 General clinical research center - Nineteen-iodine 125-iodocholesterol scanning of adrenal gland (human)
- MO1RR-00125-11 0185 General clinical research center-adult-child - Use of 131-119 indocholesterol scanning in evaluation of adrenal disease
- MO1RR-00229-09 0058 General clinical research center - Bone scans in chronic hemodialysis and renal transplant patients
- RADIOASSAY, SCINTILLATION SCANNERS, POSITRON***
- RO1CA-08370-09 The importance of bone in hematopoietic marrow function (human, mice)
- ** P01CA-08748-09 5557 Research program of Sloan-Kettering Institute - Organ activity scanning with positron-emitting radionuclides
- ** RO1HL-15860-01 Imaging of normal and ischemic myocardium (dogs)
- RADIOASSAY, SCINTILLATION SPECTROMETRY***
- RO1ES-00320-07 Quantitative genetic study of environmental mutagen (*Drosophila*, hamsters)
- RADIOASSAY, THERMOLUMINESCENT RADIATION DETECTOR-READER***
- ** P02CA-06294-13 0010 Radiotherapy research - Radiation physics (human, mammals nonhuman)
- P01CA-12662-03 0009 Cancer research center - Physical aspects of proton therapy (human)
- RADIOAUTOGRAPHY***
- SEE ALSO BRAIN VISUALIZATION, BRAIN SCANNING*
SEE ALSO BRAIN VISUALIZATION, RADIOISOTOPE CISTERNOGRAPHY*
SEE ALSO CARDIOVASCULAR VISUALIZATION, RADIOCARDIOGRAPHY*
SEE ALSO CHEMISTRY, ANALYTICAL METHODS, ACTIVATION ANALYSIS*
SEE ALSO LIVER VISUALIZATION, LIVER SCANNING*
SEE ALSO OPTICS, THERMOGRAPHY*
SEE ALSO RADIOASSAY, SCINTILLATION COUNTERS*
SEE ALSO RADIOASSAY, SCINTILLATION SCANNERS*
SEE ALSO RADIODIAGNOSIS, RADIOISOTOPE
SEE ALSO RADIOGRAPHY, FLUOROSCOPY, AUTOFLUOROSCOPY*
SEE ALSO RESPIRATORY VISUALIZATION, LUNG SCANNING*
SEE ALSO SKELETAL VISUALIZATION, BONE SCANNING*
- RO1AI-05663-11 Interaction of alveolar macrophages and mycobacteria (rabbits)
- RO1AI-05664-11 Structure of immunologic determinants of proteins (rabbits, birds, rodents)
- RO1AI-07423-08 Graft-versus-host reaction as an immune response (rats, guinea pigs)
- RO1AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
- NO1AM-02219-06 Study hormonal regulation of bone metabolism (rats)
- RO1AM-15178-03 Genetic and nutritional defects in skeletal growth (animals)
- ** RO1AM-16266-03 Autoradiographic studies of concentrative transport (rats)
- P01CA-08748-09 5509 Research program of Sloan-Kettering Institute - Evaluation of grain count data from autoradiographs
- RO1CA-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
- P01CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
- RO1CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)
- RO1CA-14113-02 Tumor immunity (mice)
- RO1CA-14969-02 0002 Radionuclide studies of tumors and growth - Chemical studies of Tc 99m and its compounds
- ** RO1CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
- ** R26CA-15259-02 Indium 111-anti-CEA for external detection of colonic tumors (mammals, nonhuman)
- ** NO1CM-22044-03 Improving radioautographic emulsions and processing methods (mammals)
- ** NO1CM-33733-01 Bioautographic studies of cytotoxic samples from plants (mammals)
- RO1DA-00061-04 Disposition and metabolism of tritiated DL-methadone (humans, dogs, rats)
- ** P01DA-00250-03 0006 Research center-Studies of drug dependence and abuse - Autoradiography of psychopharmacological agents (rats, mice)
- RO1DE-01764-12 Ultrastructural aspects of calcification (birds, rats)
- ** RO1EY-00444-06 Electron microscope autoradiography of ocular tissues (animals)
- ** RO1GM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)
- RO1GM-10797-09 0004 Pattern recognition in clinical medical laboratories - White blood cell analysis
- ** RO1GM-11754-11 Autoradiographic studies of receptors and enzymes (monkeys, rodents, chickens)
- RO1GM-15590-08 Induction and biogenesis of subcellular organelles (bacteria)
- RO1GM-20396-02 Organization of normal and transformed cell membranes
- P01HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
- RO1HL-06642-11 Tritiated digoxin (human, rabbits, dogs)
- RO1HL-10914-08 Renal sodium transport in experimental aldosteronism (dogs)
- RO1NS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- RO1NS-06542-09 Forebrain organization and anatomical plasticity (cats, rats)
- RO1NS-06662-08 Architectonic and synaptic organization in the brain (animals)
- RO1NS-08603-05 Autoradiography of intracellularly applied chemicals (cats)
- ** P01NS-10939-02 0003 Cerebral blood flow and metabolism in stroke and shock - Autoradiographic determination of local glucose uptake (cats)
- RADIOAUTOGRAPHY, MICRORADIOAUTOGRAPHY***
- P13DE-02731-08 0005 Development support for dental research institute - Dental research (rats, cattle, human)
- RADIOAUTOGRAPHY, RADIOISOTOPE TOMOGRAPHY***
- SEE ALSO RADIOAUTOGRAPHY, ROTATIONAL RADIOISOTOPE PHOTOSCANNER*
- RO1GM-16248-16 Quantitative section scanning in brain tumor and stroke
- ** RO1GM-16712-06 Radioisotope data processing and display
- RO1GM-18248-03 Radioisotopic screening methods for renal disease (dogs)
- RO1GM-20787-01 Radionuclide quantitative spatial imaging
- ** P17HL-14228-04 0004 Specialized center of research in thrombosis - Thrombus delineation by angiotomograms and radionuclides (human, dogs)
- PO1NS-03346-13 0012 Research center for cerebrovascular disease - Stroke research clinic
- RADIOAUTOGRAPHY, ROTATIONAL RADIOISOTOPE PHOTOSCANNER***
- SEE ALSO RADIOASSAY, SCINTILLATION SCANNERS*
- ** RO1HL-16253-01 New techniques in diagnosis and detection of thrombi (human)
- RADIOCARDIOGRAPHY**
- SEE CARDIOVASCULAR VISUALIZATION, RADIOCARDIOGRAPHY*
- RADIOCHROMATOGRAPHY**
- SEE PHYSICAL SEPARATION, CHROMATOGRAPHY, RADIOCHROMATOGRAPHY*
- RADIODIAGNOSIS**
- SEE ALSO NEOPLASMS RADIODIAGNOSIS
- ** RO1AM-16235-01 Bone and tissue growth in children
- RO1CA-14701-01 Effect of age on radiation-induced pulmonary fibrosis (rats)
- ** RO1CA-15413-01 Radiologic oncology teaching materials development
- RO1CA-15902-01 Computerized roentgenologic /clinical diagnostic methods (human)
- RO1ES-00831-01 Rapid screening for lead poisoning (human)
- P01EY-00227-13 0004 The posterior segment of the eye - Fluorimetry for studying ocular media (human)
- ** RO1FD-00657-02 Electronic radiography for diagnostic dose reduction
- ** RO1GM-16474-06 Acoustic-optical interaction for image reconstruction
- M RO1GM-16593-06 Tissue partitions and toxicity of contrast media (rabbits, dogs)
- RO1GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- RO1GM-16593-06 0003 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development I (dogs, rabbits, rats)
- RO1GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
- RO1GM-16593-06 0005 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on aggregation-disaggregation phenomenon of enzymes
- RO1GM-16593-06 0006 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hemolysis and methemoglobinemia induced by contrast media (human, dogs)
- RO1GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
- RO1GM-16593-06 0008 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media effects on oxygen carrying capacity of erythrocytes (human, dogs)
- RO1GM-16593-06 0010 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hypersensitivity reactions to radiopaque contrast media (human, guinea pigs)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1GM-16593-06 0011 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Pharmacology of renal hemodynamic responses to contrast media (dogs)
- PO1GM-16593-06 0012 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media effect on overperfused and hypertensive lung circulation (dogs)
- PO1GM-16593-06 0013 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Intestinal absorption of biliary contrast media (dogs, rats, rabbits)
- PO1GM-16593-06 0014 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hepatic pharmacodynamics of biliary contrast materials (dogs)
- PO1GM-16593-06 0015 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Mechanism of non-visualization of the gallbladder (human, dogs)
- PO1GM-16593-06 0016 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Deiodination and secretion of contrast media by salivary glands (human, dogs)
- PO1GM-16593-06 0017 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the toad bladder
- PO1GM-16593-06 0018 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Na and K movement into red blood cells in presence of contrast media
- PO1GM-16593-06 0019 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Brominated perfluorocarbons in myelography
- M PO1GM-17729-04 Diagnostic content and redundancy in radiant images
- ** PO1GM-17729-04 0001 Diagnostic content and redundancy in radiant images - Digitization, display, and storage of radiant images
- ** PO1GM-17729-04 0002 Diagnostic content and redundancy in radiant images - Extraction of radiant image intelligence
- ** PO1GM-17729-04 0003 Diagnostic content and redundancy in radiant images - Model for automated computer diagnostic systems for radiant images
- ** PO1GM-17729-04 0004 Diagnostic content and redundancy in radiant images - Test library of radiographic images
- M PO1GM-18674-03 Diagnostic radiology research and training center
- PO1GM-18674-03 0004 Diagnostic radiology research and training center - Quantitative evaluation of criteria in radiologic examinations (human)
- PO1GM-18674-03 0007 Diagnostic radiology research and training center - Myocardial toxicity of contrast agents (dogs)
- PO1GM-18674-03 0008 Diagnostic radiology research and training center - Intracardiac delivery of contrast agents (dogs, human)
- ** PO1GM-18674-03 0012 Diagnostic radiology research and training center - Primary spectra and computer simulation of image generation
- ** PO1GM-18674-03 0013 Diagnostic radiology research and training center - Perceptual errors in diagnostic radiology
- RO1GM-18780-03 Ultrasonic camera for soft tissue imaging-Part A
- ** RO1GM-20885-01 Radiographic visualization of liver and spleen (human, rats, dogs)
- M PO1GM-21017-01 Diagnostic radiology method development
- ** PO1GM-21017-01 0007 Diagnostic radiology method development - Medical applications of fluorescence analysis (dogs, human)
- M PO1HL-07293-13 Cardiovascular instrumentation research and development
- PO1HL-07293-13 0001 Cardiovascular instrumentation research and development - Thermistor probe for sensing and mapping ultrasonic fields
- PO1HL-07293-13 0002 Cardiovascular instrumentation research and development - Ultrasonic scattering in tissue by Schlieren techniques
- PO1HL-07293-13 0003 Cardiovascular instrumentation research and development - Engineering evaluation of ultrasonic Doppler flowmeters (models)
- PO1HL-07293-13 0004 Cardiovascular instrumentation research and development - Ultrasonic scattering in blood
- PO1HL-07293-13 0005 Cardiovascular instrumentation research and development - Mathematics of Doppler and flow velocity spectra
- PO1HL-07293-13 0006 Cardiovascular instrumentation research and development - Ultrasonic transmission through normal and diseased arteries (human)
- PO1HL-07293-13 0007 Cardiovascular instrumentation research and development - Propagation of ultrasound in cardiovascular structures
- PO1HL-07293-13 0008 Cardiovascular instrumentation research and development - Calibration facility
- PO1HL-07293-13 0009 Cardiovascular instrumentation research and development - Transcutaneous blood pressure sensing (dogs)
- PO1HL-07293-13 0010 Cardiovascular instrumentation research and development - Continuous wave ultrasonic Doppler
- PO1HL-07293-13 0011 Cardiovascular instrumentation research and development - Pulsed ultrasonic Doppler (human, dogs)
- PO1HL-07293-13 0012 Cardiovascular instrumentation research and development - Evaluation of continuous flow ultrasonic Doppler flowmeters (human)
- PO1HL-07293-13 0013 Cardiovascular instrumentation research and development - Carotid artery disease detection (human)
- PO1HL-07293-13 0014 Cardiovascular instrumentation research and development - Continuous wave and pulsed Dopplers in congenital defects (children)
- PO1HL-07293-13 0015 Cardiovascular instrumentation research and development - Flow velocity profile displays
- PO1HL-07293-13 0016 Cardiovascular instrumentation research and development - Direction sensing pulse Doppler
- PO1HL-07293-13 0017 Cardiovascular instrumentation research and development - Ultrasonic phase track for arterial wall motion detection (human)
- PO1HL-07293-13 0018 Cardiovascular instrumentation research and development - Arterial wall motion detection by phase lock technique (dogs, human)
- PO1HL-07293-13 0019 Cardiovascular instrumentation research and development - Arterial pulse wave transmission
- PO1HL-07293-13 0020 Cardiovascular instrumentation research and development - Phase shift phase track displacement sensor evaluation (models, dogs, human)
- PO1HL-07293-13 0021 Cardiovascular instrumentation research and development - Development of hydraulically actuated ultrasonic transducer positioners
- PO1HL-07293-13 0022 Cardiovascular instrumentation research and development - Blood vessel imaging
- PO1HL-07293-13 0023 Cardiovascular instrumentation research and development - Pulsed Doppler, pulsed phased track
- PO1HL-07293-13 0024 Cardiovascular instrumentation research and development - Recording heart dimensions (human)
- PO1HL-07293-13 0025 Cardiovascular instrumentation research and development - Ultrasonic scanning for display of subcutaneous arteries (human)
- PO1HL-07293-13 0026 Cardiovascular instrumentation research and development - Vessel scan moving target indication (models, dogs)
- PO1HL-07293-13 0027 Cardiovascular instrumentation research and development - Geometry, echo coherency indication (models)
- PO1HL-07293-13 0028 Cardiovascular instrumentation research and development - Synthetic aperture techniques (models)
- PO1HL-07293-13 0029 Cardiovascular instrumentation research and development - Color display of ultrasonic data
- PO1HL-07293-13 0030 Cardiovascular instrumentation research and development - Quasi-3-D display of ultrasonic data
- PO1HL-07293-13 0031 Cardiovascular instrumentation research and development - Development of catheter tip fiberoptic oximeter (mammals)
- PO1HL-07293-13 0032 Cardiovascular instrumentation research and development - Catheter tip pressure transducer
- PO1HL-07293-13 0033 Cardiovascular instrumentation research and development - Optical Doppler flowmeters
- PO1HL-07293-13 0034 Cardiovascular instrumentation research and development - Transilluminated light detection (infants)
- PO1HL-07293-13 0035 Cardiovascular instrumentation research and development - Multifunctional fiberoptic catheter
- PO1HL-07293-13 0036 Cardiovascular instrumentation research and development - Ultrasound clinical research laboratory
- PO1HL-07293-13 0037 Cardiovascular instrumentation research and development - Animal evaluation and test facility (dogs)
- PO1HL-07293-13 0038 Cardiovascular instrumentation research and development - Optical instrumentation (human)
- RO1HL-09913-09 Cerebral veins-Anatomic and radiologic correlation (human)
- RO1HL-12875-05 Ultrasonic visualization of arteries (human)
- P17HL-14136-04 0005 Obstructive lung diseases - Dynamics of small airways in assessing GOLD
- P17HL-14187-04 0008 Center for lung research - Pulmonary embolism (dogs)
- P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
- P17HL-14201-04 0015 Pulmonary disease research center - Timed expiratory chest films for the detection of COPD (human)
- RO1HL-15244-01 Experimental developments in diagnosis of thrombosis (rabbits, dogs)
- RO1HL-15423-02 Regional cerebral blood volume by X-ray fluorescence (human, monkeys)
- ** RO1HL-16253-01 New techniques in diagnosis and detection of thrombi (human)
- ** RO1HL-16484-01 Radiographic ventriculometry for coronary heart disease (human)
- ** R18HS-00525-04 Diagnostic radiology information system (phase 3)
- ** R18HS-01546-01 Radiologic diagnosis-Definition of standards of care
- RADIODIAGNOSIS, RADIOISOTOPE**
- SEE ALSO NEOPLASMS RADIOISOTOPE DIAGNOSIS
- ** RO1AM-17243-01 Tracer techniques in diagnosis of acute cholecystitis (human, dogs)
- ** RO1AM-17484-01 An evaluation of XRF scanning in thyroid disease (human)
- ** RO1AM-17486-01 Identification of carrier state of Wilson's disease (human)
- ** RO1AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, dogs, human)
- PO1CA-07368-11 0017 Interrelationships of normal and cancer cells - Radioisotopic brain scanning (human)
- ** RO1CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)
- PO1CA-15936-01 0010 Specialized Cancer Center - Host resistance to infection in cancer patients (human)
- PO1CA-15936-01 0017 Specialized Cancer Center - Biochemical diagnosis (mammals, human)
- ** R13CA-16923-01 8th International Meeting of ICSH Panel M PO1GM-10548-12 Nuclear instrumentation and chemistry in medicine
- ** PO1GM-10548-12 0001 Nuclear instrumentation and chemistry in medicine - Systems analysis
- PO1GM-10548-12 0002 Nuclear instrumentation and chemistry in medicine - Automated microbiology (human)
- ** PO1GM-10548-12 0003 Nuclear instrumentation and chemistry in medicine - Computer applications
- ** PO1GM-10548-12 0004 Nuclear instrumentation and chemistry in medicine - Radiopharmaceutical development (human)
- ** PO1GM-10548-12 0005 Nuclear instrumentation and chemistry in medicine - Radiometric assays in diagnostic medicine
- ** PO1GM-10548-12 0006 Nuclear instrumentation and chemistry in medicine - Pathophysiological studies (human)
- ** RO1GM-10797-09 0010 Pattern recognition in clinical medical laboratories - Nuclear medicine
- PO1GM-14267-09 0015 Microelectronics laboratory for biomedical science - Nuclear imaging systems in radiology
- ** RO1GM-16189-05 Detection and measurement of radionuclide (phantom models)
- ** RO1GM-16248-16 Quantitative section scanning in brain tumor and stroke
- ** PO1GM-17729-04 0002 Diagnostic content and redundancy in radiant images - Extraction of radiant image intelligence
- M PO1GM-18674-03 Diagnostic radiology research and training center
- ** PO1GM-18674-03 0002 Diagnostic radiology research and training center - Intrarenal hemodynamics in acute oliguric renal failure (human)
- PO1GM-18674-03 0003 Diagnostic radiology research and training center - Coronary flow and myocardial viability (dogs, human)
- ** PO1GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)
- PO1GM-18674-03 0010 Diagnostic radiology research and training center - Collateral circulation in renal ischemia (dogs, rabbits)
- ** PO1GM-18674-03 0014 Diagnostic radiology research and training center - Chemistry and physiology of technetium-99m labeled compounds (mice, dogs)
- PO1GM-18674-03 0015 Diagnostic radiology research and training center - Radionuclide assessment of coronary artery disease with 133 Xe-washout (human)
- ** RO1GM-20543-01 Technetium orthophosphate for bone imaging (dog, swine)
- RO1GM-20787-01 Radionuclide quantitative spatial imaging
- ** PO1GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
- ** PO1GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
- ** PO1GM-21017-01 0012 Diagnostic radiology method development - Xenon filled chambers and Fresnel zone plate for radionuclide imaging
- ** RO1GM-21296-01 Improved detection and visualization of colon lesions
- ** RO1HL-13998-03 Coronary revascularization using an anger camera (human)
- ** P17HL-14147-04 0007 Specialized center of research in thrombosis - Radioactive tracers in recognition of intravascular coagulation (human, dogs)
- P17HL-14159-04 0014 Specialized center of research in hypertension - Primary aldosteronism (human, guinea pigs, dogs)
- ** P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
- ** P17HL-14187-04 0007 Center for lung research - New xenon 133 method for measurement of regional V/Q ratios (human)
- P17HL-14192-04 0003 Specialized center of research in hypertension - Hormonal mechanisms in hypertension (human, mice)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-14192-04 0007 Specialized center of research in hypertension 2 Recognition and treatment of steroid hypertension (human, rats)
- M P17HL-14197-04 Center of research on arteriosclerosis
- ** P17HL-14197-04 0001 Center of research on arteriosclerosis - Clinical evaluation of atherosclerosis (dogs, human)
- P17HL-14201-04 0019 Pulmonary disease research center - Quantitative studies on pulmonary edema (human, dogs, sheep)
- ** P17HL-14212-04 0010 Correlated studies of pulmonary disease - Physiologic studies (human)
- ** P17HL-14217-04 0007 Specialized center of research in thrombosis - Clinical studies on thromboembolic disease (human, dogs)
- ** P17HL-14217-04 0040 Specialized center of research in thrombosis - Radiopharmaceuticals for thrombus detection (mammals)
- ** R01HL-14826-02 External isotope assay of atherosclerosis (rats, rabbits)
- R01HL-15244-01 Experimental developments in diagnosis of thrombosis (rabbits, dogs)
- P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
- ** R01HL-15780-01 Non-invasive evaluation of cardiac function (human)
- ** R01HL-16262-01 Synthesis of molecules for myocardial imaging
- ** R01HL-16553-01 Diagnosis of myocardial infarction by radioisotopes (mice, rats, goats)
- M01NS-22323-04 Semiconductor gamma camera system for nuclear medicine
- ** M01NS-42306-00 Isotope-bolus technique with contrast and isotope angiography
- ** M01NS-42307-00 Intravenous isotope scintillation angiography of brain in man
- R01OH-00340-05 0010 Respiratory effects of inhaled gases and aerosols - Use of radioactive gases to test the ozone uptake model
- M01RR-00031-14 0062 General clinical research center - Therapy evacuation in chronic skeletal disease (human)
- ** M01RR-00064-10 0014 General clinical research center - Metabolism of Cs137 and K40-Relationship to muscle disease (human)
- ** M01RR-00075-11 0010 General clinical research center for children - Xenon 133 measurements of intrarenal blood flow distribution
- ** P07RR-00657-01 A program in support of nuclear medicine
- RADIOFLUORESCENT PROBES**
- ** P01GM-21017-01 0007 Diagnostic radiology method development - Medical applications of fluorescence analysis (dogs, human)
- RADIOFLUORESCENT PROBES, X-RAY FLUORESCENCE PROBES**
- ** R01AM-17484-01 An evaluation of XRF scanning in thyroid disease (human)
- ** R01HL-15423-02 Regional cerebral blood volume by X-ray fluorescence (human, monkeys)
- ** P01NS-10828-01 0002 An interdepartmental stroke program - Cerebral blood flow by stimulated X-ray fluorescence (dogs)
- RADIOFREQUENCY CONTROLLED ELECTRONIC STIMULATORS**
- SEE ELECTRONIC STIMULATORS, RADIOFREQUENCY CONTROLLED
- RADIOGRAPHY***
- SEE ALSO BRAIN VISUALIZATION, ENCEPHALOGRAPHY*
SEE ALSO BRAIN VISUALIZATION, VENTRICULOGRAPHY*
SEE ALSO CARDIOVASCULAR VISUALIZATION, ANGIOCARDIOGRAPHY*
SEE ALSO CEREBROVASCULAR VISUALIZATION, CEREBROANGIOGRAPHY*
SEE ALSO DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*
SEE ALSO NERVOUS SYSTEM CENTRAL, SPINAL CORD VISUALIZATION, MYELOGRAPHY*
SEE ALSO OPTICS, THERMOGRAPHY*
SEE ALSO PHYSICAL PROPERTIES, SOUND, ULTRASONOGRAPHY*
SEE ALSO RADIOAUTOGRAPHY*
SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS, MAMMOGRAPHY*
SEE ALSO URINARY TRACT VISUALIZATION, UROGRAPHY (GENERAL)*
- ** R01AM-16475-01 System for assessing skeletal health from radiographs
- R01AM-17149-01 Bioengineering three-dimensional spinal analysis (human)
- P17AM-17328-01 0009 Peptic ulcer center - Accuracy of duodenal ulcer diagnostic tests (human)
- ** R01CA-06263-13 Computer analysis of tumor roentgenograms (human)
- ** P02CA-06519-12 0046 Radiation therapy and biology research program - Accuracy of lymphangiography (human)
- P02CA-11911-04 0018 Clinical cancer center - Hypertrophoma
- P01CA-12707-03 0006 Cancer epidemiology program grant - Record linking (human)
- ** P02CA-13148-03 0043 Pilot cancer center - Universal radiation treatment simulator
- ** P02CA-13696-02 0042 Clinical cancer research center - Radiodiagnostic technique-Angiotomography, arteriography, pancreatography (human)
- ** P02CA-13696-02 0043 Clinical cancer research center - Radiodiagnostic techniques-Reflux pancreatography (cats)
- ** P01CA-14043-01 0002 Radiation therapy clinical and research center - Clinical applications of electron radiography
- ** R01CA-15209-01 systems X-ray microtomography of various organ systems
- N01CB-43896-00 Development of method of bowel preparation to barium enema or colonoscopy (human)
- ** N01CB-43992-00 Clinical application of electron radiography
- N01CN-35003-04 Cancer Twelfth Annual Conference on Breast
- ** N01CP-43283-00 Study of time trends in maternal x-ray exposure (human)
- N01CP-43336-00 epidemiologic studies in etiology of cancer in veterans
- R01ES-00831-01 Rapid screening for lead poisoning (human)
- R01FD-00657-02 Electronic radiography for diagnostic dose reduction
- R01GM-08522-12 Imaging systems for biological organisms
- ** R01GM-10797-09 0006 Pattern recognition in clinical medical laboratories - Lung X-rays
- ** R01GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
- ** P01GM-17729-04 0002 Diagnostic content and redundancy in radiat images - Extraction of radiat image intelligence
- M P01GM-18940-02 Study of radiologic images
- ** P01GM-19428-03 0011 Computer aided biomedical pattern recognition - Diagnostic radiology (human)
- ** R01GM-19989-02 Reading methods and image quality vs x-ray reading error (human)
- ** R01GM-20022-02 Cartilage-selective radiocontrast agents (primates, dogs, cats, mice)
- R01GM-20885-01 Radiographic visualization of liver and spleen (human, rats, dogs)
- ** P01GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
- R01HD-04629-04 Assessment of skeletal maturity (human)
- ** R01HL-03275-16 Applied hemodynamics in cardiovascular radiology (human)
- ** P01HL-08886-11 0057 Radiology-physiology cardiovascular research - Changes in the upper airway morphology due to obstruction (dogs)
- ** P01HL-08886-11 0058 Radiology-physiology cardiovascular research - Simulated phlebography on venous endothelium (dogs)
- ** P01HL-08886-11 0059 Radiology-physiology cardiovascular research - Vascular permeability changes induced by contrast media (rats)
- P01HL-08974-10 0016 Natural and experimental atherosclerosis - Comparison of atherosclerotic lesions by objective grading
- ** P01HL-13517-04 0017 Circulatory performance and prediction - Core cardiac catheterization (human)
- ** P01HL-13517-04 0018 Circulatory performance and prediction - Core heart catheterization and radiography (animals)
- ** P18HL-15169-03 0003 Comprehensive sickle cell disease center - Bone lesions in sickle cell disease (human)
- ** P18HL-15169-03 0007 Comprehensive sickle cell disease center - Enzymatic radiologic and pathologic changes of liver in sickle cell anemia (human)
- ** P18HL-15169-03 0016 Comprehensive sickle cell disease center - Radiographic changes of dental significance in the sickle cell disease patient
- R23HL-17147-01 Radiographic study of the developing lung (dogs, humans)
- ** R18HS-00525-04 Diagnostic radiology information system (phase 3)
- ** R18HS-01054-03 Coded language information processing for radiology
- ** R18HS-01210-02 Evaluation of remote radiographic communications
- ** P01MH-17563-03 0009 Genetics of the XYY phenomena in man - Radiographic studies in XYY individuals
- ** R01NS-09198-04 Radiological studies of cerebrospinal fluid (human, dogs)
- P07RR-00007-11 0279 Computer processing in biomedical systems - Computer-based x-ray television scanning system
- P07RR-00007-11 0280 Computer processing in biomedical systems - Conversion system for digitization of video images
- P07RR-00007-11 0281 Computer processing in biomedical systems - Digital converter and digital communications interface
- ** P07RR-00007-11 0286 Computer processing in biomedical systems - Clinical chest radiographs for early cancer detection
- ** P07RR-00007-11 0288 Computer processing in biomedical systems - Renal blood flow measurement by roentgen video-densitometry
- ** P07RR-00007-11 0292 Computer processing in biomedical systems - Roentgen video imaging system
- P07RR-00007-11 0327 Computer processing in biomedical systems - Parenchymal distortion
- P07RR-00007-11 0330 Computer processing in biomedical systems - Computer graphic techniques
- ** P07RR-00007-11 0347 Computer processing in biomedical systems - Computer analysis of roentgenographic and ultrasound images
- ** P07RR-00267-09 0104 Biomedical data processing unit - Heart wall contraction pattern in heart disease patient and normal subjects
- RADIOGRAPHY, ACTASCAN***
- N01CB-43910-00 Computerized transaxial tomography in diagnosing brain tumors (human)
- N01CB-43980-00 Tomography in diagnosis of brain tumors
- N01CB-43981-00 Tomography in diagnosis of brain tumors
- N01CB-43982-00 Computerized transaxial tomography in brain tumor diagnosis (human)
- N01CB-43983-00 Computerized transaxial tomography in the diagnosis of brain tumors (human)
- P01NS-10828-01 0008 An interdepartmental stroke program - Computerized axial tomography in the investigation of stroke (human, monkeys)
- RADIOGRAPHY, CINEFLUOROGRAPHY***
- R01NS-09627-04 Physiological bases of dysarthria (human)
- RADIOGRAPHY, CINERADIOGRAPHY***
- SEE ALSO CARDIOVASCULAR VISUALIZATION, CINEANGIOCARDIOGRAPHY*
SEE ALSO CARDIOVASCULAR VISUALIZATION, RADARKYMOGRAPHY*
- ** P01GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
- ** P01HL-06664-13 0016 Cardiopulmonary function in remediable vascular disease - Direct coronary artery surgery-Development of a non-invasive technique (human)
- M P01HL-08886-11 Radiology-physiology cardiovascular research
- ** P01HL-08886-11 0002 Radiology-physiology cardiovascular research - Hypertrophied ventricular performance by cineradiography (dogs)
- ** P01HL-08886-11 0013 Radiology-physiology cardiovascular research - Variations in aortic valve closure (dogs)
- ** P01HL-08886-11 0014 Radiology-physiology cardiovascular research - Mitral valve movement and first heart sound (dogs)
- ** P01HL-08886-11 0032 Radiology-physiology cardiovascular research - Effects of halothane and cyclopropane on ventricular volume (dogs)
- ** P01HL-08886-11 0042 Radiology-physiology cardiovascular research - Cineradiography of ventricular dynamics during myocardial infarction (dogs)
- ** P01HL-08886-11 0047 Radiology-physiology cardiovascular research - High speed cineradiography of the canine aortic valve
- ** P01HL-08886-11 0052 Radiology-physiology cardiovascular research - Evaluation of cardiac function from angiograms using myocardial models (dogs)
- M01RR-00349-08 0049 General clinical research center - Ventricular contractility in man
- RADIOGRAPHY, CONTRAST MEDIA***
- R22AL-08876-04 Enzymes and the pathogenesis of tuberculosis (rabbits)
- R01AM-12413-07 Purine metabolism in gout (human, birds)
- ** P02CA-13696-02 0026 Clinical cancer research center - Nervous neoplasms-Effect of contrast media at brain cellular level (human)
- P02CA-13696-02 0027 Clinical cancer research center - Neuroangiography of CNS tumors-Angiographic morphology and morphometry (human)
- P02CA-13696-02 0028 Clinical cancer research center - Neuroangiography of CNS tumors-Supraselective catheterization (dogs, human)
- P02CA-13696-02 0042 Clinical cancer research center - Radiodiagnostic technique-Angiotomography, arteriography, pancreatography (human)
- P02CA-13696-02 0043 Clinical cancer research center - Radiodiagnostic techniques-Reflux pancreatography (cats)
- R01CA-14955-02 Follow-up study of thorotrast patients
- R01GM-11598-11 Drug effects on salivary transport across epithelia (frogs, hamsters)
- M P01GM-16593-06 Tissue partitions and toxicity of contrast media (rabbits, dogs)
- ** P01GM-16593-06 0001 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- ** P01GM-16593-06 0003 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development I (dogs, rabbits, rats)

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
 ** P01GM-16593-06 0005 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on aggregation-disaggregation phenomenon of enzymes
 ** P01GM-16593-06 0006 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hemolysis and methemoglobinemia induced by contrast media (human, dogs)
 ** P01GM-16593-06 0008 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media effects on oxygen carrying capacity of erythrocytes (human, dogs)
 ** P01GM-16593-06 0010 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hypersensitivity reactions to radiopaque contrast media (human, guinea pigs)
 ** P01GM-16593-06 0011 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Pharmacology of renal hemodynamic responses to contrast media (dogs)
 ** P01GM-16593-06 0012 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media effect on overperfused and hypertensive lung circulation (dogs)
 ** P01GM-16593-06 0013 Tissue partitions and toxicity of biliary contrast media (rabbits, dogs) - Intestinal absorption of biliary contrast media (dogs, rats, rabbits)
 ** P01GM-16593-06 0014 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hepatic pharmacodynamics of biliary contrast materials (dogs)
 ** P01GM-16593-06 0015 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Mechanism of non-visualization of the gallbladder (human, dogs)
 ** P01GM-16593-06 0016 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Deiodination and secretion of contrast media by salivary glands (human, dogs)
 ** P01GM-16593-06 0017 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the toad bladder
 ** P01GM-16593-06 0018 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Na and K movement into red blood cells in presence of contrast media
 ** P01GM-16593-06 0019 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Brominated perfluorocarbons in myelography
 ** P01GM-18674-03 0008 Diagnostic radiology research and training center - Intracardiac delivery of contrast agents (dogs, human)
 ** P01GM-18674-03 0014 Diagnostic radiology research and training center - Chemistry and physiology of technetium-99m labeled compounds (mice, dogs)
 ** R01GM-20022-02 Cartilage-selective radiocontrast agents (primates, dogs, cats, mice)
 ** R01GM-20227-01 CNS cellular response to contrast ventriculography (rhesus monkey)
 ** R01GM-20730-01 Perfluorocytbromide in myelography and lymphography
 ** R01GM-20885-01 Radiographic visualization of liver and spleen (human, rats, dogs)
 R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
 ** P01GM-21017-01 0002 Diagnostic radiology method development - Evaluation of pancreatic exocrine function and maldigestion (dogs, human)
 ** R01GM-21296-01 Improved detection and visualization of colon lesions
 R01HL-03275-16 Applied hemodynamics in cardiovascular radiology (human)
 ** P01HL-08886-11 0034 Radiology-physiology cardiovascular research - Selective intercoronary infusions of contrast media (dogs)
 ** P01HL-08886-11 0037 Radiology-physiology cardiovascular research - Contrast agents for diagnostic ultrasound
 P01HL-08886-11 0039 Radiology-physiology cardiovascular research - Serum enzyme changes following superior mesenteric arteriography (dogs)
 P01HL-08886-11 0054 Radiology-physiology cardiovascular research - Cardiac functional analysis using cineangiography (dogs)
 ** P01HL-08886-11 0056 Radiology-physiology cardiovascular research - Blood flow following radiocontrast droplets in three dimensions
 ** P01HL-08886-11 0058 Radiology-physiology cardiovascular research - Simulated phlebography on venous endothelium (dogs)
 ** P01HL-08886-11 0059 Radiology-physiology cardiovascular research - Vascular permeability changes induced by contrast media (rats)
 R01HL-11668-07 0002 Cineangiographic studies of the cardiovascular system - Development of velocity profile for coronary artery branches (dogs)
 ** R01HL-11668-07 0003 Cineangiographic studies of the cardiovascular system - Myocardial toxicity of contrast agents (dogs)
 ** P17HL-14138-04 0013 Center for research on atherosclerosis - Carbon dioxide as a contrast medium in femoral angiography (human)
 ** P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
 R01HL-14695-02 Blood microcirculation in the lymph node (rabbits)
- ** M01NS-42306-00 Isotope-bolus technique with contrast and isotope angiography
 M01RR-00030-13 0069 General clinical research center - Effect of drugs on renal handling of uric acid (human)
 P07RR-00267-09 0093 Biomedical data processing unit - Cellular membrane permeability (human)
- RADIOGRAPHY, CONTRAST MEDIA, TRIHOBENZOATE***
 ** P01GM-16593-06 0003 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development I (dogs, rabbits, rats)
 P01GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
 ** P01GM-18674-03 0007 Diagnostic radiology research and training center - Myocardial toxicity of contrast agents (dogs)
 R01NS-11696-01 Transfer of X-ray contrast media into the CSF (rabbits, dogs)
 M01RR-00030-13 0069 General clinical research center - Effect of drugs on renal handling of uric acid (human)
 ** M01RR-00049-13 0044 General clinical research center - Treatment for schistosomiasis (human)
 ** M01RR-00049-13 0045 General clinical research center - Iothalamate space study (human)
 ** M01RR-00425-06 0053 General clinical research center - Meglumine iodamide SH 2.0926 (human)
- RADIOGRAPHY, CONTRAST MEDIA, TRIHODOCINNAMATE***
 R01AM-14513-04 Biliary excretion in neonatal toxicology (rats)
 R01AM-16552-01 Hepatic excretion of anionic drugs
 ** P01GM-16593-06 0007 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats)
- RADIOGRAPHY, FLUOROSCOPY***
 ** P02CA-13148-03 0043 Pilot cancer center - Universal radiation treatment simulator
 R01CA-13683-02 Lung cancer-Video densitometry for mass screening
 P01DE-01697-12 0007 Interdisciplinary studies in cleft palate - Techniques for evaluating velopharyngeal competency (human)
 R01HL-14026-03 Heart tracking-Mon-invasive measure of contractility (human)
 ** P07RR-00007-11 0291 Computer processing in biomedical systems - Biplane video roentgen system
- RADIOGRAPHY, FLUOROSCOPY, AUTOFLUOROSCOPY***
 SEE ALSO RADIOASSAY, SCINTILLATION CAMERAS*
 SEE ALSO RADIOASSAY, SCINTILLATION SCANNERS*
 P01GM-14267-09 0015 Microelectronics laboratory for biomedical science - Nuclear imaging systems in radiology
 P17HL-14148-04 0009 Hypertension center - Myocardial circulation in hypertension and atherosclerosis (human)
- RADIOGRAPHY, FLUOROSCOPY, IMAGE INTENSIFIER***
 P01GM-14267-09 0015 Microelectronics laboratory for biomedical science - Nuclear imaging systems in radiology
 R01GM-16189-05 Detection and measurement of radionuclide (phantom models)
 R01HL-03532-17 Cardiovascular control and compensatory responses (human, dogs, monkeys)
 ** P01HL-04664-14 X-ray videometry computer analysis of cardiodynamics (dogs)
 ** R01HL-13932-04 Physiologic data acquisition from medical fluoroscopy (human, animals)
- RADIOGRAPHY, MICRORADIOGRAPHY***
 R01GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
 ** P17HL-14136-04 0005 Obstructive lung diseases - Dynamics of small airways in assessing GOLD
- RADIOGRAPHY, STEREO RADIOGRAPHY***
 ** P01GM-19428-03 0012 Computer aided biomedical pattern recognition - Precise duplication and transmission of radiographs (human)
 ** P01GM-19428-03 0013 Computer aided biomedical pattern recognition - Three dimensional reconstruction in radiology (human)
 ** P01GM-19428-03 0014 Computer aided biomedical pattern recognition - Enhancement of biological images
- RADIOGRAPHY, TELERADIOGRAPHY***
 P02CA-13148-03 0043 Pilot cancer center - Universal radiation treatment simulator
 ** P01GM-19428-03 0012 Computer aided biomedical pattern recognition - Precise duplication and transmission of radiographs (human)
- RADIOGRAPHY, TOMOGRAPHY***
 SEE ALSO RADIOGRAPHY, RADIOISOTOPE TOMOGRAPHY*
 SEE ALSO RADIOAUTOGRAPHY, RADIOISOTOPE TOMOGRAPHY*
 SEE ALSO RADIOGRAPHY, ACTASCAN*
- ** P02CA-13696-02 0027 Clinical cancer research center - Neuroradiology of CNS tumors-Angiographic morphology and morphology (human)
 ** P02CA-13696-02 0042 Clinical cancer research center - Radiodiagnostic technique-Angiotomography, arteriography, pancreatography (human)
 ** R01CA-15209-01 X-ray microtomography of various organ systems
 ** R01CA-15882-01 Transverse section x-ray camera (human)
 ** R01CA-15902-01 Computerized roentgenologic/clinical diagnostic methods (human)
 ** N01CB-43910-00 Computerized transaxial tomography in diagnosing brain tumors (human)
 ** N01CB-43980-00 Tomography in diagnosis of brain tumors
 ** N01CB-43981-00 Tomography in diagnosis of brain tumors
 ** N01CB-43983-00 Computerized transaxial tomography in the diagnosis of brain tumors (human)
 P01GM-21017-01 0012 Diagnostic radiology method development - Xenon filled chambers and Fresnel zone plate for radionuclide imaging
 M P01NS-10828-01 An interdepartmental stroke program
 P01NS-10828-01 0001 An interdepartmental stroke program - Cerebral hemodynamics and metabolism using radionuclides (human)
 ** P01NS-10828-01 0008 An interdepartmental stroke program - Computerized axial tomography in the investigation of stroke (human, monkeys)
 ** N01NS-42333-00 Tomography in cerebrovascular disease (human)
- RADIOIMMUNOASSAY**
 SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*
- RADIOISOTOPE CISTERNOGRAPHY**
 SEE BRAIN VISUALIZATION, RADIOISOTOPE CISTERNOGRAPHY*
- RADIOISOTOPE DIAGNOSIS**
 SEE RADIODIAGNOSIS, RADIOISOTOPE
- RADIOISOTOPE DIAGNOSIS OF NEOPLASMS**
 SEE NEOPLASMS RADIOISOTOPE DIAGNOSIS
- RADIOISOTOPE (NUCLEAR) MEDICINE (GENERAL)**
 SEE ALSO NEOPLASMS RADIOISOTOPE DIAGNOSIS
 SEE ALSO NEOPLASTIC THERAPY, CANCER RADIOISOTOPE THERAPY
 SEE ALSO RADIATION THERAPY, RADIOISOTOPE
 SEE ALSO RADIODIAGNOSIS, RADIOISOTOPE
 P02AM-13083-06 0102 Organ transplantation - Organ preservation (dogs)
 ** R01AM-16735-01 Tritiated peptides/proteins in endocrine biochemistry
 P02CA-05826-13 0093 Clinical cancer research center - Parathyroid localization of selenomethionine in man
 ** R01CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)
 ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)
 ** N01CB-43992-00 Clinical application of electron radiography
 M P01GM-10548-12 Nuclear instrumentation and chemistry in medicine
 ** P01GM-10548-12 0001 Nuclear instrumentation and chemistry in medicine - Systems analysis
 ** R01GM-10797-09 0010 Pattern recognition in clinical medical laboratories - Nuclear medicine
 ** R01GM-13966-07 Precision production of organic tracers
 P01GM-14267-09 0015 Microelectronics laboratory for biomedical science - Nuclear imaging systems in radiology
 R01GM-17113-04 Radioscintigraphy demonstration of thrombophlebitis (human, dog, monkey)
 ** R01GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
 R01GM-20543-01 Technetium orthophosphate for bone imaging (dog, swine)
 R01GM-20787-01 Radionuclide quantitative spatial imaging
 P01GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
 P01GM-21017-01 0012 Diagnostic radiology method development - Xenon filled chambers and Fresnel zone plate for radionuclide imaging
 ** R01GM-21217-01 Improved radiopharmaceuticals for renal studies
 ** R01GM-21722-01 Mosaic intrinsic germanium radioisotope scan device
 ** P01HL-05435-14 0030 Cardiovascular research and training program - Nuclear medicine (human, dogs)
 R01HL-16253-01 New techniques in diagnosis and detection of thrombi (human)
 R01HL-16553-01 Diagnosis of myocardial infarction by radioisotopes (mice, rats, goats)
 N01HV-32930-02 Development of Stirling cycle energy-conversion
 ** P07RR-00657-01 A program in support of nuclear medicine

(contd)

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RADIOISOTOPE THERAPY

SEE RADIATION THERAPY, RADIOISOTOPE

RADIOISOTOPE THERAPY, NEOPLASM

SEE NEOPLASTIC THERAPY, CANCER RADIOISOTOPE THERAPY

RADIOISOTOPE TOMOGRAPHY

SEE RADIOAUTOGRAPHY, RADIOISOTOPE TOMOGRAPHY*

RADIOISOTOPE TRACERS

SEE RADIO-LABELED*

RADIOISOTOPES

SEE ALSO RADIO-LABELED*

- ** P01CA-08748-09 5548 Research program of Sloan-Kettering Institute - Effect of californium-252 neutrons on hypoxic HeLa cells (human)
- ** R01CA-11858-05 Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters)
- R01CA-13004-03 Effect of irradiation on 67Ga localization in animals (mice)
- ** R01CA-13351-02 Selection of cancer therapy by uptake of cesium 131 (human)
- ** N01CM-23715-02 Services to prepare radioactive labeled materials

P01DE-02849-06 0034 Mechanism and treatment of periodontal disease - To determine the bone seeking isotope of choice

P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)

P01GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)

P01GM-18940-02 0002 Study of radiologic images - Physical factors affecting radiographic image quality (models, human)

P01GM-18940-02 0003 Study of radiologic images - System and observer performance

P01GM-18940-02 0005 Study of radiologic images - Development of new radionuclide imaging agents and procedures (human, mice)

P01GM-18940-02 0010 Study of radiologic images - Collimation and detection of radiation (phantom models)

- ** R01GM-21217-01 Improved radiopharmaceuticals for renal studies

P01HL-05435-14 0030 Cardiovascular research and training program - Nuclear medicine (human, dogs)

P01HL-11306-08 0109 Cardiovascular research program - Radionuclide assessment of coronary artery disease

N01HV-22900-04 Develop radioisotope powered total hear replacement system

- ** P01NS-06655-09 0004 Cerebrovascular research unit for study of TIA - Cerebrovascular radioisotope studies (human)

P01NS-10828-01 0001 An interdepartmental stroke program - Cerebral hemodynamics and metabolism using radionuclides (human)

P01NS-10828-01 0007 An interdepartmental stroke program - Cerebral circulation studies with radionuclides (human, dogs)

- ** P07RR-00007-11 0339 Computer processing in biomedical systems - Computer interfacing for radioisotope data processing

M01RR-00060-13 0006 General clinical research center - Radioisotope cisternography in hydrocephalus (human)

RADIOISOTOPES, ACTINIDE SERIES

- ** R01CA-13127-03 Effects of intracavitary irradiation with Cf-252 (swine)
- R01GM-10867-13 Crystal structures of some metal-peptide complexes

RADIOISOTOPES, ACTINIDE SERIES, AMERICIUM

P01CA-13343-02 0018 Environmental cancer - Distribution and persistence of carcinogenic transuranium (human, monkeys)

M01RR-00056-13 0065 General Clinical Research Center - Diagnosis and therapy in internal radionuclide contamination (human)

RADIOISOTOPES, ACTINIDE SERIES, CALIFORNIUM

P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)

RADIOISOTOPES, ACTINIDE SERIES, PLUTONIUM

P01CA-13343-02 0018 Environmental cancer - Distribution and persistence of carcinogenic transuranium (human, monkeys)

P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)

RADIOISOTOPES, ACTINIDE SERIES, THORIUM (COMPOUNDS)

P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)

- ** M01RR-00088-11 0005 General clinical research center - Radium and mesothorium poisoning in humans

RADIOISOTOPES, ACTINIDE SERIES, THORIUM OXIDES

R01AM-16774-02 Structural parameters in hepatic disease (rats)

R01CA-13004-03 Effect of irradiation on 67Ga localization in animals (mice)

- ** R01CA-14955-02 Follow-up study of therastrast patients
- R01HL-14695-02 Blood microcirculation in the lymph node (rabbits)

RADIOISOTOPES, ACTINIDE SERIES, URANIUM

- R01CA-10337-08 Spin labeling and membrane structure
- ** P01CA-13343-02 0018 Environmental cancer - Distribution and persistence of carcinogenic transuranium (human, monkeys)

P01CA-13343-02 0020 Environmental cancer - Computer model for calculating lung tissue dose from inhaled carcinogens (human)

N01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)

- ** P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)

RADIOISOTOPES, BORON 11

P01CA-07368-11 0018 Interrelationships of normal and cancer cells - Boron slow neutron therapy-preclinical (human, laboratory animals)

RADIOISOTOPES, CALCIUM 45

R01HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)

RADIOISOTOPES, CARBON 11

P01GM-18940-02 0005 Study of radiologic images - Development of new radionuclide imaging agents and procedures (human, mice)

P01GM-18940-02 0009 Study of radiologic images - In vivo radionuclide distribution studies (rodents, monkeys, human)

- ** P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)

RADIOISOTOPES, CESIUM

P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)

R01CA-11138-06 Radiobiology of normal tissues (mice)

- ** R01CA-12542-03 0003 Fast neutron therapy with TAMVEC cyclotron - Tissue radiobiology (swine, miniature, monkeys)

** P10ES-00260-12 0013 Research in the environmental health sciences - Radiocesium in the Hudson River estuary (fish)

P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)

RADIOISOTOPES, CHROMIUM 51

- ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)
- P11GM-15759-08 0016 Clinical pharmacology in rheumatic and muscular diseases - Effects of aspirin on serum concentrations of indomethacin (human)

RADIOISOTOPES, COBALT

R01AI-09419-11 Irradiation and marrow transplantation in large animals (dogs)

P02CA-06518-11 0033 Radiation and radiobiology research center - Radiation hepatitis

P02CA-11265-05 0015 General clinical cancer research center - Protocol for malignant glioma of brain

R01CA-11857-03 Computer automated radiation therapy system

- ** P02CA-12178-04 0015 Radiotherapy-oncology center - Post-mastectomy cobalt 60 radiation dosimetry

R01CA-12179-02 Automation of a clinical radiation therapy center

P02CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)

R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)

P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)

P02CA-13148-03 0013 Pilot cancer center - Treatment of childhood leukemia and lymphosarcoma

P01CA-15820-01 0006 Comparative Oncology Research Program - Therapeutic studies-Radiation and adriamycin in osteogenic sarcoma (dogs)

M01RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)

RADIOISOTOPES, FLUORINE 18

- ** P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)

RADIOISOTOPES, GALLIUM

P01CA-07368-11 0001 Interrelationships of normal and cancer cells - Differential brain tumor diagnosis (human, rats)

- ** P01CA-08748-09 5543 Research program of Sloan-Kettering Institute - Localization of gallium-67 citrate in tissues (human)

R01CA-11858-05 Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters)

P01CA-14089-01 0059 Pilot multidisciplinary cancer research program - Scintigraphic differentiation of focal hepatic lesions

- ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)

RADIOISOTOPES, GOLD 198

- ** P01CA-08748-09 6301 Research program of Sloan-Kettering Institute - Intrathecal radiogold in meningeal tumors (children)

- ** P01CA-08748-09 6305 Research program of Sloan-Kettering Institute - Colloidal phosphorus and gold in treating ascitic tumors in mice

R01CA-13004-03 Effect of irradiation on 67Ga localization in animals (mice)

R01FD-00640-06 Time-radiation dose relationship to biologic damage (rats)

RADIOISOTOPES, IODINE

R01CA-13222-04 Cell population kinetics as factor in tumor therapy (mice)

- ** R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)

P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer

- ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)

R01FD-00634-11 Neoplasms in irradiated human populations

R01GM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)

M01RR-00042-14 0024 General clinical research center - Methioquin iodine 131 therapy in malignant melanoma (human)

M01RR-00042-14 0036 General clinical research center - Nineteen-iodine 125-iodocholesterol scanning of adrenal gland (human)

M01RR-00043-14 0043 General clinical research center - Effects of 125-I therapy thyrotoxic Graves disease (human)

M01RR-00043-14 0049 General clinical research center - Thyroid hormone equivalent activity study (human)

M01RR-00043-14 0076 General clinical research center - Human thyroid hormone metabolism

M01RR-00055-13 0033 General clinical research center - Evaluation of I-131 in treatment of Graves disease (human)

RADIOISOTOPES, IRIDIUM 192

- ** P02CA-11051-06 0027 Clinical radiation research center - Iridium implantation boost technique (human)

RADIOISOTOPES, IRON 55

P10ES-00260-12 0015 Research in the environmental health sciences - Effects of iron-55 on the hematopoietic system (mice)

P10ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)

RADIOISOTOPES, KRYPTON 85

P01AM-08681-09 0022 Diseases of liver and portal circulation - Methods of influencing xenograft rejection (rats, dogs, primates)

RADIOISOTOPES, LEAD 210

P01CA-13343-02 0017 Environmental cancer - Evaluating exposure of miners to radon with lead - 210

P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)

P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)

RADIOISOTOPES, NITROGEN 13

- ** P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)

RADIOISOTOPES, OXYGEN 15

P01CA-08748-09 5529 Research program of Sloan-Kettering Institute - Clearance of tracers in radiation damaged lungs (dogs)

- ** P01HL-13851-12 Cyclotron produced isotopes in biology and medicine (human, animals)

RADIOISOTOPES, PHOSPHORUS 32

- ** P01CA-08748-09 6305 Research program of Sloan-Kettering Institute - Colloidal phosphorus and gold in treating ascitic tumors in mice

R10CA-10728-07 Polycythemia vera study group central office

M01RR-00058-13 0051 General clinical research center - Polycythemia vera study group (human)

RADIOISOTOPES, POLONIUM

N01CP-33273-01 Factor influencing experimental respiratory carcinogenesis (mammals nonhuman)

- ** P10ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)

RADIOISOTOPES, POTASSIUM

P01GM-18940-02 0005 Study of radiologic images - Development of new radionuclide imaging agents and procedures (human, mice)

R01HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)

P01HL-13517-04 0021 Circulatory performance and prediction - Quantifying the size of ischemic infarcted /scarred myocardium (dogs)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RADIOISOTOPES, RADIUM

- P02CA-06294-13 0017 Radiotherapy research - Computer program
 R01CA-13127-03 Effects of intracavitary irradiation with Cf-252 (swine)
 P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)
 ** M01RR-00088-11 0005 General clinical research center - Radium and mesothorium poisoning in humans

RADIOISOTOPES, RADON

- P02CA-12247-03 0001 Pediatric oncology center - Epidemiology
 P01CA-13343-02 0017 Environmental cancer - Evaluating exposure of miners to radon with lead - 210
 P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)
 P10ES-00260-12 0032 Research in the environmental health sciences - Natural radioactivity in Brazil

RADIOISOTOPES, RUBIDIUM

- R01EY-00170-05 Metabolism of the normal and abnormal ocular lens (rats, rabbits, mice)
 R01HL-16553-01 Diagnosis of myocardial infarction by radioisotopes (mice, rats, goats)

RADIOISOTOPES, SELENIUM 75

- P01CA-08748-09 5530 Research program of Sloan-Kettering Institute - Distribution of injected Se73 in mice
 P01CA-08748-09 7004 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies of neuroblastoma (human)
 P02CA-11911-04 0016 Clinical cancer center - Scintiscans of the pancreas
 P02CA-13943-02 0005 Clinical pharmacology immunology cancer research center - Preparing 75 Se-labeled selenium compounds
 ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)

RADIOISOTOPES, SODIUM 24

- R01HL-12387-06 Transmembrane fluxes in vascular smooth muscle (rats)

RADIOISOTOPES, STRONTIUM

- R01AM-15669-03 Cytokinetics of repair in beta-irradiated epidermis (guinea pigs)

RADIOISOTOPES, SULFUR 35

- ** P01CA-08748-09 5535 Research program of Sloan-Kettering Institute - Therapy of chondrosarcoma and chordoma with S-35 (human)

RADIOISOTOPES, TECHNETIUM 99

- ** P02CA-11051-06 0028 Clinical radiation research center - Tolerance of bone marrow to combined high dose irradiation (rabbits)
 ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)
 ** P01DE-02849-06 0034 Mechanism and treatment of periodontal disease - To determine the bone seeking isotope of choice
 R01GM-16188-05 Detection and measurement of radionuclide (phantom models)
 P01GM-18940-02 0009 Study of radiologic images - In vivo radionuclide distribution studies (rodents, monkeys, human)
 ** R01GM-20543-01 Technetium orthophosphate for bone imaging (dog, swine)
 ** P01HL-13108-05 0029 Clinical heart transplantation - Performance dynamics of the longterm heart transplant (human)
 P01NS-06655-09 0004 Cerebrovascular research unit for study of TIA - Cerebrovascular radioisotope studies (human)

RADIOISOTOPES, THALLIUM

- R01HL-16553-01 Diagnosis of myocardial infarction by radioisotopes (mice, rats, goats)

RADIOISOTOPES, XENON 133

- P17HL-14187-04 0007 Center for lung research - New xenon 133 method for measurement of regional V/Q ratios (human)
 ** R01HL-15768-02 Quantitative dermatology-xenon skin blood flow (human)
 P01NS-06655-09 0004 Cerebrovascular research unit for study of TIA - Cerebrovascular radioisotope studies (human)
 P01NS-10828-01 0002 An interdepartmental stroke program - Cerebral blood flow by stimulated X-ray fluorescence (dogs)

RADIOISOTOPES, YTTRIUM 90

- M01RR-00229-09 0040 General clinical research center - Development of hypopituitarism after yttrium 90 pituitary implant (human)

RADIOLABELED*

- SEE ALSO CHEMISTRY, ANALYTICAL METHODS, ACTIVATION ANALYSIS*
 SEE ALSO HYDROGEN, TRITIUM*
 SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*
 SEE ALSO ISOTOPE DILUTION CONCENTRATION TECHNIQUE*
 SEE ALSO RADIOAUTOGRAPHY, RADIOISOTOPE TOMOGRAPHY*

SEE ALSO WATER, TRITIUM OXIDE

- R01AA-00272-04 Platelet utilization and metabolism in alcoholism (human)
 R01AM-02896-14 The surface chemistry of bone mineral
 R01AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
 R01AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
 R01AM-16220-03 Specific radioassays for folate analogues (human, rabbits, mice)
 M01AM-42225-00 Iron chelating agents in the treatment of Cooley's anemia
 ** P01CA-08748-09 5508 Research program of Sloan-Kettering Institute - Dynamic metabolic studies with radioisotopes
 ** P01CA-08748-09 5531 Research program of Sloan-Kettering Institute - Cyclotron produced radioactive gases for lung function studies
 R01CA-11969-03 Intermediary metabolism of cholesterol in cancer (rats, human)
 R01CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
 ** R01CA-13080-03 Comparative carcinogenicity of tritium (mice)
 ** R01CA-13138-03 Surface proteins of normal and transformed cells (chick embryo)
 ** P01CA-14089-01 0023 Pilot multidisciplinary cancer research program - Optimization of cancer chemotherapy using radiopharmaceutical (mammals)
 ** R01CA-14969-02 0003 Radionuclide studies of tumors and growth - Production of radionuclides for studying inorganic antitumor agents
 ** R01CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
 ** R01CA-14969-02 0008 Radionuclide studies of tumors and growth - The Ce 144-Pr 144 radionuclide generator
 ** R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
 ** M01CM-12162-04 Preparation of radiolabeled chemicals and drugs
 ** M01CM-23715-02 Services to prepare radioactive labeled materials
 ** M01CM-43710-00 Radioisotope labeling of bleomycin
 R01DA-00093-04 Ultramicrodetermination of marijuana metabolites
 P01DE-02849-06 0035 Mechanism and treatment of periodontal disease - Autoradiography and tetracycline labeling in periodontal disease (dogs)
 R01DE-03796-03 Stabtoth differentiation in Aurelia (jellyfish)
 P01ES-00049-10 0001 Mode of action and metabolism of organic toxicants - Pyrethroids radiosynthesis
 P01ES-00049-10 0013 Mode of action and metabolism of organic toxicants - Organophosphorus insecticides-Selective toxicity, terminal residues (rats)
 P01ES-00049-10 0014 Mode of action and metabolism of organic toxicants - Thionophosphorus insecticides-Mixed function oxidase system (rodents, flies)
 ** R01GM-13966-07 Precision production of organic tracers
 P11GM-15431-08 0030 Research center for clinical pharmacology and drug toxicology - Drug metabolism
 P01GM-19521-03 0007 Genetic study of mammalian control systems - Subcellular localization of lysosomal enzymes (mice)
 P01GM-19521-03 0008 Genetic study of mammalian control systems - Physical and chemical studies of lysosomal enzymes (mice, human)
 P01GM-19521-03 0009 Genetic study of mammalian control systems - Chemical synthesis of reagents and substrates
 R01GM-19564-03 Enzymology of isoleucine and valine biosynthesis (bacteria)
 P11GM-20387-02 0013 Multidisciplinary research program in pharmacology-toxicology - Support program in synthetic organic chemistry
 R01GM-21217-01 Improved radiopharmaceuticals for renal studies
 R01HD-04004-06 0007 Programmed senescence in cultured human cells - The orgel hypothesis and protein turnover
 P01HL-14322-03 0006 Interdisciplinary program in biomaterials science - Transport mechanisms in synthetic membranes and biologic tissues (frogs, toads)
 R01HL-14820-02 Factors affecting physiology of biological membranes (human)
 R01NS-09603-04 The biochemical effects of sensory deprivation (chicks)
 P01NS-09704-04 0034 Developmental neurology - Neutral amino acid uptake in brain and choroid plexus
 R01NS-10500-02 Biochemical probes of excitable membranes (crayfish)
- RADIOLABELED, DOUBLY (MULTIPLY) LABELED***
 R01AM-13557-04 Metabolism of retinol and retinoic acid (rats)
 R01AM-16577-02 Mammalian iron metabolism (human, rats, rabbits)
 R01GM-11598-11 Drug effects on salute transport across epithelia (frogs, hamsters)
 P01GM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)

- P01GM-19521-03 0002 Genetic study of mammalian control systems - Properties of single lysosomes and membrane fragments (mice, human)
 R01NS-08785-03 Improvement of cerebral blood flow following ischemia (rabbits)

RADIOLABELED BARIUM*

- ** R01CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
 R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides

RADIOLABELED BROMINE*

- ** R01CA-14969-02 0001 Radionuclide studies of tumors and growth - Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman)
 R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
 P17HL-14147-04 0007 Specialized center of research in thrombosis - Radioactive tracers in recognition of intravascular conglutination (human, dogs)

RADIOLABELED CALCIUM*

- R01AM-00668-20 Calcium and phosphate transport (rats)
 R01AM-02534-16 Small intestinal absorption in malabsorption syndromes (rats)
 P01CA-08748-09 5536 Research program of Sloan-Kettering Institute - Calcium deposition in bone lesions following radiotherapy (human)
 ** P01CA-08748-09 5555 Research program of Sloan-Kettering Institute - Distribution of injected Sc-47 in mice
 R01DE-01764-12 Ultrastructural aspects of calcification (birds, rats)
 P01HL-16607-01 0001 Calcium ion and control of cardiovascular function - Electrical and chemical control of calcium fluxes through model membrane systems
 R01NS-03321-13 Electrolytes in nerve and muscle function (frogs)
 ** P01NS-10175-03 0024 Neuromuscular disease research center - Mytonia-calcium content and uptake by SR (goats)

RADIOLABELED CARBON*

- ** R01AI-01384-15 Chemical basis of parasitism (rats)
 R01AI-04577-13 Transformation in Hemophilus influenzae (E coli, bacteriophage)
 R01AI-08445-05 Chemical studies on proteins of immunological interest
 R01AI-08738-06 Control mechanisms in phage-host cell interactions
 R01AI-09077-05 Reticuloendothelial function in health and infection (human)
 R01AI-09152-06 Biochemistry of mechanisms of action of antibiotics (bacteria)
 R01AI-10592-06 Purification of proteins with biological activity
 R01AM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
 R01AM-05222-14 Production and excretion of bile acids (rabbits, rats)
 P01AM-05996-13 0017 Biochemistry of connective tissues - Mucopolysaccharides and glycosphingolipids of nervous system cells (rats, mice)
 R01AM-09059-11 Physiology of pancreatic islets and action of alloxan (loofish)
 R01AM-11146-07 Control of hepatic biosynthesis of plasma proteins (rats)
 R01AM-13587-04 Structure activity of human thyrocalcinin
 R01AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
 R01CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)
 ** P01CA-08748-09 5532 Research program of Sloan-Kettering Institute - Short-lived labeled compounds for metabolic and tumor localization
 R01CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
 R01CA-11881-05 Research with enzymes as antitumor agents (human, mice animals)
 P01CA-14089-01 0023 Pilot multidisciplinary cancer research program - Optimization of cancer chemotherapy using radiopharmaceutical (mammals)
 ** R01CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)
 ** R01CA-14969-02 0001 Radionuclide studies of tumors and growth - Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman)
 R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
 R01CA-15143-01 Bisguanhydrazones, polyamines and cell proliferation (mice)
 R01CA-15435-02 0001 Pharmacokinetics of brain tumor chemotherapy - Precise anatomic localization of rat glioma (monkeys)
 R01CA-15435-02 0002 Pharmacokinetics of brain tumor chemotherapy - Therapeutic efficiency of 5-fluorouracil (rats, monkeys)
 R01DA-00298-02 Metabolism of marijuana III (human, rabbits)
 R01GM-15590-08 Induction and biogenesis of subcellular organelles (bacteria)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-16248-16 Quantitative section scanning in brain tumor and stroke
 ** R01GM-20073-01 Synthesis and scintigraphic study of 11C compounds (dogs)
 P01HD-00669-15 0006 Interdisciplinary program of research in aging - Biological turnover and crosslinking of aging collagen (dogs, rats)
 R01HL-13394-05 Hyperlipoproteinemia (rats)
 P17HL-14230-04 0021 Lipids, atherosclerosis and thrombosis - Intestinal biosynthesis of cholesterol (guinea pig)
 R01NS-07918-06 Cations and brain glycolytic enzymes (human)
 R01NS-08246-06 Metabolic error in Refsum's syndrome (human, rats)

RADIOLABELED CERIUM*

- R01AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, dogs, human)
 ** R01CA-14969-02 0008 Radionuclide studies of tumors and growth - The Ce 144-Pr 144 radionuclide generator

RADIOLABELED CESIUM*

- P01CA-14599-01 0028 University of Chicago Cancer Research Center - Use of cesium-131 in choice of therapy for metastatic cancer (human)
 R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
 P01HL-13517-04 0021 Circulatory performance and prediction - Quantifying the size of ischemic infarcted /scarred myocardium (dogs)

RADIOLABELED CHROMIUM*

- R01AI-08558-06 Anti-lymphocyte serum (rabbits, mice, bacteria, viruses)
 P01CA-08748-09 5554 Research program of Sloan-Kettering Institute - Organ uptake of radioactive tracers
 R01CA-13134-03 Cell-mediated immunity in avian leukosis (chickens)
 R01CA-14113-02 Tumor immunity (mice)
 P17HL-14214-04 0006 Neonatal lung center - Factors related to intracranial bleeding in HMD (human infants)

RADIOLABELED COBALT*

- N01CM-43710-00 Radioisotope labelling of bleomycin

RADIOLABELED COPPER*

- R01AM-17486-01 Identification of carrier state of Wilson's disease (human)

RADIOLABELED FLUORINE*

- P02CA-05838-13 0015 Clinical radiotherapy cancer research center - Bone scanning with radiofluorine and technetium
 ** P01CA-08748-09 5534 Research program of Sloan-Kettering Institute - Fluorine-18 scanning for bone lesions in cancer patients
 P01CA-14089-01 0023 Pilot multidisciplinary cancer research program - Optimization of cancer chemotherapy using radiopharmaceutical (mammals)
 ** R01CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
 ** R01CA-14969-02 0001 Radionuclide studies of tumors and growth - Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman)
 R01GM-16248-16 Quantitative section scanning in brain tumor and stroke
 R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
 P17HL-14147-04 0007 Specialized center of research in thrombosis - Radioactive tracers in recognition of intravascular coagulation (human, dogs)

RADIOLABELED GALLIUM*

- P01CA-07368-11 0017 Interrelationships of normal and cancer cells - Radioisotopic brain scanning (human)
 ** P02CA-13148-03 0055 Pilot cancer center - Radiation biology
 ** P11GM-15559-07 0042 Clinical pharmacology - Radiolabeled gallium for diagnosing abscesses (human)

RADIOLABELED INDIUM*

- ** R01CA-14969-02 0006 Radionuclide studies of tumors and growth - Microcrystalline colloids as a new tool in nuclear medicine
 R26CA-15259-02 Indium 111-anti-CEA for external detection of colonic tumors (mammals, nonhuman)
 N01CM-43710-00 Radioisotope labelling of bleomycin
 P01GM-18940-02 0009 Study of radiologic images - In vivo radionuclide distribution studies (rodents, monkeys, human)

RADIOLABELED IODINE*

- R01AI-07423-08 Graft-versus-host reaction as an immune response (rats, guinea pigs)
 R01AI-12468-01 Naturally occurring delayed-type hypersensitivity (mice, guinea pigs)
 R01AM-14411-05 Pathology of experimental renal medullary lesions (mice, rats)
 R01AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)
 R01AM-16826-01 Mechanisms of polypeptide hormone action
 ** R01AM-17243-01 Tracer techniques in diagnosis of acute cholecystitis (human, dogs)

- R01CA-07191-11 Lymphotoxin in cell-mediated tumor immunity (human, mice)
 R01CA-12389-04 Immunologic studies of gastrointestinal cancer (human)
 ** R01CA-14705-01 Radioiodine uptake and imaging in the human breast
 ** R01CA-14969-02 0006 Radionuclide studies of tumors and growth - Microcrystalline colloids as a new tool in nuclear medicine
 ** R01CA-14969-02 0010 Radionuclide studies of tumors and growth - Radiopharmaceuticals for investigating body fat mass (mammals nonhuman)
 R26CA-15259-02 Indium 111-anti-CEA for external detection of colonic tumors (mammals, nonhuman)
 R01GM-19416-03 Genetic control of development (bacteria)
 P01GM-19521-03 0002 Genetic study of mammalian control systems - Properties of single lysosomes and membrane fragments (mice, human)
 P01GM-19521-03 0008 Genetic study of mammalian control systems - Physical and chemical studies of lysosomal enzymes (mice, human)
 P01GM-19521-03 0009 Genetic study of mammalian control systems - Chemical synthesis of reagents and substrates
 R01HL-13394-05 Hyperlipoproteinemia (rats)
 P17HL-14147-04 0007 Specialized center of research in thrombosis - Radioactive tracers in recognition of intravascular coagulation (human, dogs)
 ** P17HL-14230-04 0067 Lipids, atherosclerosis and thrombosis - Radiolabeled iodine fibrinogen studies (human)
 R01HL-14566-03 Prothrombin and fibrinogen in hypercoagulable states (human)
 ** R01HL-15012-02 Thrombosis detection for prevention of emboli (human)
 P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
 M01RR-00051-13 0096 General clinical research center - Efficacy of stored fibrinogen preparations with radioactive iodine (human)
 M01RR-00400-06 0053 General clinical research center - Prospective study of Graves disease (human)

RADIOLABELED IRON*

- ** P01AM-09001-10 0043 Biochemistry and immunology of blood diseases - Iron exchange in conalbumin by rat intestinal mucosa
 R01AM-17327-01 Erythroleukemia and sideroblastic anemia (human)
 P01CA-08748-09 5554 Research program of Sloan-Kettering Institute - Organ uptake of radioactive tracers
 ** R01CA-14969-02 0010 Radionuclide studies of tumors and growth - Radiopharmaceuticals for investigating body fat mass (mammals nonhuman)
 P01HL-06374-14 0006 Expansion of research in a hematologic center - Relationship of reticuloendothelial system to erythropoiesis (human, mice)
 R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)

RADIOLABELED LEAD*

- ** R01CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
 R01CA-16316-01 Melanoma detection with radiopharmaceuticals

RADIOLABELED MERCURY*

- ** R01CA-14969-02 0001 Radionuclide studies of tumors and growth - Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman)
 ** R01CA-14969-02 0010 Radionuclide studies of tumors and growth - Radiopharmaceuticals for investigating body fat mass (mammals nonhuman)

RADIOLABELED NITROGEN*

- P01CA-08748-09 5532 Research program of Sloan-Kettering Institute - Short-lived labeled compounds for metabolic and tumor localization
 P01CA-08748-09 5542 Research program of Sloan-Kettering Institute - N-13 labeled ammonia as scanning agent (dogs)
 P01CA-08748-09 5549 Research program of Sloan-Kettering Institute - Synthesis of short-lived labeled compounds for tumor scanning
 P01CA-14089-01 0023 Pilot multidisciplinary cancer research program - Optimization of cancer chemotherapy using radiopharmaceutical (mammals)
 R01CA-14669-01 ORAU-ORNL study of carbon-11 in nuclear medicine (human, mammals)
 R01NS-03534-13 Metabolic interaction of drugs (human, dogs, rats, mice)

RADIOLABELED PHOSPHORUS*

- R01AM-13523-05 Calcification of bone and cartilage (chickens)
 ** P01CA-14195-01 0014 Core grant-Regulation, the cell membrane and cancer - Chemical synthesis of P-32-labeled nucleotides

RADIOLABELED PLATINUM*

- R01CA-14969-02 0004 Radionuclide studies of tumors and growth - Cis-dichlorodiammine platinum as an antitumor agent (human, dogs, rabbits)

RADIOLABELED SELENIUM*

- P02CA-05826-13 0093 Clinical cancer research center - Parathyroid localization of selenomethionine in man
 ** R01CA-14969-02 0001 Radionuclide studies of tumors and growth - Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman)
 R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
 ** R01CA-14969-02 0010 Radionuclide studies of tumors and growth - Radiopharmaceuticals for investigating body fat mass (mammals nonhuman)

RADIOLABELED SILICON*

- R01GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)

RADIOLABELED SODIUM*

- P01HD-06276-03 0003 Mental retardation research program - Kinetics of Na 24 turnover in normal and hydrocephalic dogs

RADIOLABELED STRONTIUM*

- P01CA-08748-09 5536 Research program of Sloan-Kettering Institute - Calcium deposition in bone lesions following radiotherapy (human)
 R01CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)

RADIOLABELED SULFUR*

- R01AM-00110-23 Chemical methods in steroid metabolism (rats, cattle)
 R01AM-13900-05 Metabolic basis of cystine storage disease (human)
 R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
 R01DE-01764-12 Ultrastructural aspects of calcification (birds, rats)

RADIOLABELED TECHNETIUM*

- ** R01AM-17243-01 Tracer techniques in diagnosis of acute cholecystitis (human, dogs)
 P02CA-05838-13 0015 Clinical radiotherapy cancer research center - Bone scanning with radiofluorine and technetium
 P01CA-07368-11 0001 Interrelationships of normal and cancer cells - Differential brain tumor diagnosis (human, rats)
 P01CA-07368-11 0017 Interrelationships of normal and cancer cells - Radioisotopic brain scanning (human)
 ** R01CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
 ** R01CA-14969-02 0002 Radionuclide studies of tumors and growth - Chemical studies of Tc 99m and its compounds
 ** R01CA-14969-02 0006 Radionuclide studies of tumors and growth - Microcrystalline colloids as a new tool in nuclear medicine
 ** R01CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
 R13CA-16923-01 8th International Meeting of ICSH Panel
 R01GM-17113-04 Radioscintigraphy demonstration of thrombophlebitis (human, dog, monkey)
 R01GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
 ** P01GM-18674-03 0014 Diagnostic radiology research and training center - Chemistry and physiology of technetium-99m labeled compounds (mice, dogs)
 P17HL-14147-04 0007 Specialized center of research in thrombosis - Radioactive tracers in recognition of intravascular coagulation (human, dogs)
 P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics

RADIOLABELED XENON*

- P01GM-21017-01 0012 Diagnostic radiology method development - Xenon filled chambers and Fresnel zone plate for radionuclide imaging
 R01HL-10914-08 Renal sodium transport in experimental aldosteronism (dogs)
 P17HL-14147-04 0007 Specialized center of research in thrombosis - Radioactive tracers in recognition of intravascular coagulation (human, dogs)
 P17HL-14212-04 0001 Correlated studies of pulmonary disease - Clinical studies
 P01HL-15194-02 0010 Pathophysiology of cardiopulmonary dysfunction - Ventilation-perfusion ratios measurements of elimination of inert gases
 ** P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics

RADIOLABELED YTTERBIUM*

- R01AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, dogs, human)

RADIOLABELED ZINC*

- R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
 N01HB-22918-03 Studies in sickle cell disease (human, guinea pigs, rats)

RADIOLOGICAL HEALTH

- SEE ALSO RADIATION EFFECTS
 ** P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R01FD-00534-02 Research on cumulative microwave radiation exposure
 R01FD-00635-09 Radiation protection and measurement
 ** R01FD-00650-02 Biopsychological studies of microwave irradiation
 R01GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)

RADIOLOGICAL HEALTH, RADIATION**ENVIRONMENTAL**

- R01CA-12759-03 Effect of environmental factors on ultraviolet injury (mice, rabbits)
 R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
 R13CA-15041-01 Vth International Congress of Radiation Research
 P10ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)
 ** P10ES-00260-12 0032 Research in the environmental health sciences - Natural radioactivity in Brazil
 M P01ES-00269-08 Biological effects of environmental radiation
 R01FD-00635-09 Radiation protection and measurement
 R01GM-10525-11 Statistical studies of problems of health and biology
 R01HL-14408-03 Atherosclerosis and radio frequency irradiation (rabbits, rats, monkeys)
 ** P07RR-00015-12 0088 Medical school computer facility - Analysis of environmental samples for radioactivity

RADIOLOGICAL HEALTH, RADIATION FALLOUT

- P01CA-13343-02 0018 Environmental cancer - Distribution and persistence of carcinogenic transuranium (human, monkeys)
 P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
 N01CP-43202-00 Atomic bomb casualty commission study
 ** P10ES-00260-12 0015 Research in the environmental health sciences - Effects of Iron-55 on the hematopoietic system (mice)
 M01RR-00064-10 0011 General clinical research center - Causes of thyroid nodularity in children

RADIOLOGICAL HEALTH, RADIATION HAZARDS

- R01AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, dogs, human)
 ** P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
 ** P01CA-08748-09 6304 Research program of Sloan-Kettering Institute - Radiation induced maternal dysfunction as a factor in embryonic mortality (rats)
 ** R01CA-11751-05 Effects of radiation on stationary cells (mammals, human)
 R01CA-12179-02 Automation of a clinical radiation therapy center
 R01CA-12208-03 Oxford survey of childhood cancers
 P01CA-12707-03 0006 Cancer epidemiology program grant - Record linking (human)
 R01CA-12759-03 Effect of environmental factors on ultraviolet injury (mice, rabbits)
 P02CA-13053-03 0066 Clinical cancer radiation therapy research center - High LET radiation beams for therapy
 ** R01CA-13127-03 Effects of intracavitary irradiation with Cf-252 (swine)
 P01CA-13343-02 0017 Environmental cancer - Evaluating exposure of miners to radon with lead - 210
 P01CA-13343-02 0020 Environmental cancer - Computer model for calculating lung tissue dose from inhaled carcinogens (human)
 R01CA-13469-02 Neutron radiation cancer therapy source
 ** R01CA-14310-02 Tritium damaged mammalian cells in vitro (mice, hamsters)
 P01CA-15936-01 0017 Specialized Cancer Center - Biochemical diagnosis (mammals, human)
 N01CP-43285-00 Short courses on laboratory biohazards and injury control
 P10ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)
 ** P10ES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
 ** P10ES-00260-12 0008 Research in the environmental health sciences - Tumorigenic response to ionizing radiation and chemical carcinogens (rats, mice)
 P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)
 ** P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
 ** R01FD-00635-09 Radiation protection and measurement
 ** R01FD-00648-04 Automated cytogenetic radiation health monitoring (human)
 R01FD-00651-03 Genetic effects of microwave radiations (microorganisms)
 ** R01FD-00652-03 Radiation quantities, units and measurement technology
 R01FD-00654-03 F2 effects from x-ray of human female fetuses
 ** R01FD-00658-03 Cellular damage by visible and near-visible light (bacteria)
 R01FD-00680-01 Diagnostic ultrasound-Injury thresholds and mechanisms (cats)

- ** R01GM-13557-08 Physico-chemical studies of cellular radiation injury (microorganisms)
 ** P01GM-16436-06 0056 Bioengineering program project - Radio-frequency and microwave signal monitor
 P01GM-18674-03 0004 Diagnostic radiology research and training center - Quantitative evaluation of criteria in radiologic examinations (human)
 P01GM-18940-02 0005 Study of radiologic images - Development of new radionuclide imaging agents and procedures (human, mice)
 P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
 P01GM-19513-03 0017 Human genetics - Fish-hybrid melanoma control, a cancer genetics model (platyfish, swordtail)
 R01GM-20543-01 Technetium orthophosphate for bone imaging (dog, swine)
 R01GM-21095-01 DNA metabolism in eukaryotes (green algae)
 R01GM-21294-01 Induction of mutator activity by ionizing radiation (yeast)
 P01HD-03298-13 0001 Developmental pathology - Cytogenetics (human)
 ** P01HD-03298-13 0015 Developmental pathology - Experimental cytogenetics (mice)
 R01HD-06468-01 Bilirubin toxicity-Metabolic effects of phototherapy (rats)
 ** R01HL-14408-03 Atherosclerosis and radio frequency irradiation (rabbits, rats, monkeys)
 R01HS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
 ** R01OH-00465-03 Current trends in survivorship of radiologists (human)
 ** M01RR-00056-13 0065 General Clinical Research Center - Diagnosis and therapy in internal radionuclide contamination (human)
 ** M01RR-00088-11 0005 General clinical research center - Radium and mesothorium poisoning in humans
 ** M01RR-00336-08 0057 General clinical research center - Incidental irradiation of pituitary

RADIOLOGICAL HEALTH, RADIATION**PROTECTION****SEE ALSO PHOTOPROTECTION**

- R01AI-01218-18 The mechanism of bacterial transformation (yeasts)
 ** R01CA-03367-18 Irradiation protection and histocompatibility (mice)
 R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
 ** P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)
 P02CA-06518-11 0033 Radiation and radiobiology research center - Radiation hepatitis
 ** P02CA-13696-02 0045 Clinical cancer research center - Arterial perfusion with vasoconstrictors in radiotherapy (human, dogs)
 P02CA-13696-02 0046 Clinical cancer research center - Fast neutrons in cancer radiotherapy (human)
 ** R01CA-14374-02 0001 Effect of radiotherapy on host immune reactions - Protection against radiation immunosuppression by immune adjuvants (rats, mice)
 R01CA-14722-02 0001 Pion cancer therapy - Quality of meson fields
 R01CA-16324-01 Modification of hepatic radiation injury by heparin (rats)
 P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
 ** R01FD-00635-09 Radiation protection and measurement
 ** R01FD-00646-05 Quantitative effects of EM energy on human tissues (and cats)
 ** R01FD-00652-03 Radiation quantities, units and measurement technology
 R01FD-00656-02 Photoconductive polymers for dental xeroradiograms
 R01FD-00657-02 Electronic radiography for diagnostic dose reduction
 ** P01HL-05435-14 0030 Cardiovascular research and training program - Nuclear medicine (human, dogs)
 P01HL-07293-13 0008 Cardiovascular instrumentation research and development - Calibration facility
 P07RR-00003-13 0059 Medical data processing research - Metabolism of gold
 ** S06RR-08011-03 Radiation protection and drug analysis (Delaware State College)(human)

RADIOLOGICAL HEALTH, RADIATION**PROTECTION DRUGS****SEE ALSO PHOTOPROTECTIVE AGENTS**

- R01AM-07719-11 Polyhydroxycycloalkanes
 R01AM-09085-10 Structure of biological molecules (fungi)
 ** R01AM-11685-07 Biologically oriented organic sulfur chemistry
 R01AM-14545-05 Carotenoid therapy of photosensitive porphyria (human)
 ** R01AM-17745-01 Mechanism of protective action of carotenoids (mice)
 ** R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
 R01CA-12026-05 DNA cysteamine, DNA-N ethylmaleimide studies by ESR (bacteria)

- R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)
 ** R01CA-14668-01 Radiation protectors as adjunct to radiotherapy (rabbits)
 R01CA-15201-01 Experimental radiotherapy-Basis and modification (mice)
 P10ES-00002-12 0014 Occupational and environmental health - Effect of radiation on stationary cells (human)
 R01ES-00926-01 Toxicology of paraquat (rats)
 ** P11GM-15956-07 0019 Factors affecting the responses to drugs - Effects of hyperbaric oxygen and methylene blue on methemoglobinemia (mice)
 ** R01GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)
 ** P01NS-07376-07 0011 Univ Chicago head injury center - Brain (balloon) compression dimethyl sulfoxide (monkeys)
 ** P01NS-07376-07 0012 Univ Chicago head injury center - Dimethyl sulfoxide spinal cord compression (dogs)
 ** P01NS-07376-07 0013 Univ Chicago head injury center - Mechanism of action of dimethyl sulfoxide
 ** P01NS-07376-07 0014 Univ Chicago head injury center - Search for the known radiation and cold protectors for drugs
 ** M01RR-00056-13 0065 General Clinical Research Center - Diagnosis and therapy in internal radionuclide contamination (human)
 ** M01RR-00865-01 0032 General clinical research center - Protection of kidney during radiation therapy for abdominal neoplasms (human)

RADIOLOGICAL HEALTH, RADIOACTIVE WASTES

- P10ES-00260-12 0013 Research in the environmental health sciences - Radiocesium in the Hudson River estuary (fish)

RADIOLOGICAL HEALTH RESEARCH AND TRAINING GRANTS REVIEW COMMITTEE

- ** R01FD-00534-02 Research on cumulative microwave radiation exposure
 R01FD-00632-09 Transfer mechanisms in biological materials
 ** R01FD-00634-11 Neoplasms in irradiated human populations
 ** R01FD-00635-09 Radiation protection and measurement
 ** R01FD-00639-06 Thermoluminescent dosimeter crystals
 ** R01FD-00640-06 Time-radiation dose relationship to biologic damage (rats)
 R01FD-00645-05 Radiation damage-Metabolism in reproductive system (mice, rabbits)
 R01FD-00646-05 Quantitative effects of EM energy on human tissues (and cats)
 ** R01FD-00648-04 Automated cytogenetic radiation health monitoring (human)
 R01FD-00649-03 Effects of microwaves on CNS liver, and heart (hamsters)
 ** R01FD-00650-02 Biopsychological studies of microwave irradiation
 ** R01FD-00651-03 Genetic effects of microwave radiations (microorganisms)
 ** R01FD-00652-03 Radiation quantities, units and measurement technology
 ** R01FD-00654-03 F2 effects from x-ray of human female fetuses
 ** R01FD-00656-02 Photoconductive polymers for dental xeroradiograms
 ** R01FD-00657-02 Electronic radiography for diagnostic dose reduction
 ** R01FD-00658-03 Cellular damage by visible and near-visible light (bacteria)
 ** R01FD-00659-02 A clinical evaluation of ultrasonic holography
 ** R01FD-00661-01 Vestibulo-cochlear effect of UNF-microwave radiation
 ** R01FD-00664-01 Ultrasonic radiation determination by optical methods
 ** R01FD-00665-02 Ultrasonic toxicity study
 ** R01FD-00667-01 Ultrasonic energy density in biological structures
 ** R01FD-00668-01 Microwaves-Environmental factor-A molecular view
 ** R01FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
 ** R01FD-00674-01 Structure of a cell-lethal tryptophan photoproduct (bacteria)
 ** R01FD-00675-01 Ultrasonic radiation of nucleic acid and components
 ** R01FD-00678-01 Electromagnetic radiation and biological systems
 ** R01FD-00680-01 Diagnostic ultrasound-Injury thresholds and mechanisms (cats)
 ** R01FD-00686-01 Ocular pathology from electromagnetic radiation
 ** R01FD-00687-01 Effects of light on the retina (monkeys)
 ** R01FD-00694-01 Chromosome damage-repair-Radiation and sonication (plants)

RADIOLOGY (GENERAL)

- SEE ALSO NEOPLASMS RADIODIAGNOSIS
 SEE ALSO NEOPLASTIC THERAPY, CANCER RADIOTHERAPY
 SEE ALSO RADIATION THERAPY
 SEE ALSO RADIODIAGNOSIS

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- SEE ALSO RADIOISOTOPE (NUCLEAR) MEDICINE (GENERAL)
 RO1CA-02896-18 Repair of radiation-induced lesions in DNA (bacteria)
 RO1CA-13270-02 Effects of fast neutrons on cultured mammalian cells
 PO1CA-15184-01 ions (mammals)
 ** R18CA-15978-01 Clinical and research radiation therapy in cancer care (US, Puerto Rico survey)
 ** NO1CN-45150-00 Cancer control radiologic physics centers
 RO1GM-12281-10 Ultrasonic absorption by biological materials (frogs, mice)
 M PO1GM-21017-01 Diagnostic radiology method development
 ** R18HS-01508-01 Rapid telephone access of radiology reports
 R18HS-01546-01 Radiologic diagnosis-Definition of standards of care
- RADIOMETRY**
 SEE RADIOASSAY (RADIOMETRY)
- RADIOMIMETIC AGENTS**
 SEE ALSO ANTIMETABOLITES
 ** RO1CA-05687-14 Genetics of radiation and radiomimetic agents (microorganisms)
 PO1CA-07368-11 0006 Interrelationships of normal and cancer cells - Model systems (human, rats, mice)
 RO1DA-00016-12 Factors in tolerance to the narcotic analgesics (rats)
 ** MO1RR-00070-12 0033 General clinical research center - Treatment of nephritis of systemic lupus erythematosus (human)
 MO1RR-00070-12 0084 General clinical research center - Treatment of nephritis of systemic lupus erythematosus (human)
- RADIOISOTOPES**
 SEE RADIOISOTOPES
- RADIORESPIROMETRY**
 SEE RESPIRATORY GAS ANALYZERS, RADIORESPIROMETRY*
- RADIOSCOPY**
 SEE RADIOGRAPHY, FLUOROSCOPY*
- RADIOSENSITIVITY**
 SEE RADIATION SENSITIVITY
- RADIOTHERAPY**
 SEE RADIATION THERAPY
- RADIUM**
 SEE RADIOISOTOPES, RADIUM
- RADON**
 SEE RADIOISOTOPES, RADON
- RAGWEED**
 SEE PLANTS, RAGWEED*
- RAMAN SPECTRA**
 SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, RAMAN*
- RAPE**
 SEE PSYCHOLOGY ABNORMAL, SEX OFFENSES
- RAPHE NUCLEUS, DORSAL**
 SEE BRAIN, MESENCEPHALON, RAPHE NUCLEUS, DORSAL
- RAPID DIAGNOSIS**
 SEE DIAGNOSTIC TESTS, RAPID DIAGNOSIS*
- RARE BLOOD GROUPS**
 SEE BLOOD GROUPS, RARE BLOOD GROUPS
- RARE EARTH METALS**
 SEE METALS, RARE EARTHS
- RARE EARTHS**
 SEE METALS, RARE EARTHS
- RARE EARTHS, ACTINIDE SERIES**
 SEE RADIOISOTOPES, ACTINIDE SERIES
- RARE GAS ELEMENTS**
 SEE GAS ELEMENTS, INERT
- RAT VIRUS (RV)**
 SEE VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV)
- RATIONALIZATION (PSYCHOLOGY)**
 SEE PSYCHOLOGY, DEFENSE MECHANISMS, RATIONALIZATION
- RATS**
 SEE MAMMALS, RATS*
- RAUSCHER LEUKEMIA VIRUS**
 SEE VIRUSES, ONCORNA, LEUKEMIA MOUSE RAUSCHER
- RAUWOLFIA ALKALOIDS**
 SEE ALKALOIDS, RAUWOLFIA TYPE, RAUWOLFIA
- RAUWOLFIA TYPE ALKALOIDS**
 SEE ALKALOIDS, RAUWOLFIA TYPE
- RAYNAUD'S DISEASE AND PHENOMENON**
 SEE CARDIOVASCULAR DISORDERS, RAYNAUD'S DISEASE AND PHENOMENON
- RAYS**
 SEE FISH, ELASMOBRANCHS*
- RBE**
 SEE RADIATION, RELATIVE BIOLOGICAL EFFECTIVENESS
- REACTION DYNAMICS, KINETICS, MECHANISMS**
 SEE CHEMICAL REACTIONS (DYNAMICS)
- REACTION RATES (CHEMISTRY)**
 SEE CHEMICAL REACTION RATES
- REACTION SITES, CHEMICAL**
 SEE CHEMICAL REACTION SITES
- REACTION TIME**
 SEE PSYCHOMOTOR FUNCTION, REACTION TIME
- REACTIVE DEPRESSION**
 SEE PSYCHOLOGY ABNORMAL, NEUROSIS, DEPRESSIVE
- REACTIVE PSYCHOTIC DEPRESSION**
 SEE PSYCHOSIS, DEPRESSIVE, REACTIVE PSYCHOTIC DEPRESSION
- REACTIVE TYPENRITERS**
 SEE INFORMATION DISPLAY, REACTIVE TYPENRITERS
- READING**
 SEE INFORMATION-COMMUNICATION BEHAVIOR, READING
- READING DEVICES (AURAL)**
 SEE EYE DISORDERS, AIDS FOR THE BLIND, AURAL READING DEVICES
- READING DISORDERS**
 SEE INFORMATION-COMMUNICATION DISORDERS, READING DISORDERS
- REAGENTS**
 SEE INDICATORS AND REAGENTS
- REAGIN**
 SEE HYPERSENSITIVITY, SKIN SENSITIZING ANTIBODY
- RECEPTORS**
 SEE DRUGS RECEPTORS
 SEE SENSE ORGANS
- RECKLINGHAUSEN'S DISEASE OF BONE**
 SEE SKELETAL DISORDERS, OSTEITIS FIBROSA CYSTICA
- RECOMBINANT DNA, ARTIFICIALLY INDUCED**
 SEE GENETIC MANIPULATION
- RECOMBINATION**
 SEE GENETICS, RECOMBINATION
- RECONSTITUTION OF ENZYMES**
 SEE ENZYME RECONSTITUTION
 SEE PROTEINS RECONSTITUTION
- RECONSTITUTION OF MEMBRANES**
 SEE MEMBRANE SYNTHESIS AND RECONSTITUTION
- RECONSTITUTION OF NUCLEIC ACIDS**
 SEE NUCLEIC ACIDS RECONSTITUTION
- RECONSTITUTION OF PROTEINS**
 SEE PROTEINS RECONSTITUTION
- RECORD SYSTEMS (HEALTH)**
 SEE HEALTH RECORDS
- RECORDING AND RECORDING SYSTEMS**
 SEE BIOMEDICAL SYSTEMS AUTOMATED, ELECTRONIC RECORDING SYSTEMS
 SEE BIOMEDICAL SYSTEMS AUTOMATED, MAGNETIC RECORDING SYSTEMS
- RECORDING OF INTERVIEWS**
 SEE INFORMATION GATHERING (DATA COLLECTION), INTERVIEWS RECORDING
- RECORDS, MEDICAL**
 SEE HEALTH RECORDS
- RECREATION**
 SEE OCCUPATIONS, RECREATION
- RECRUITMENT NEURAL**
 SEE NEUROPHYSIOLOGY, NEURAL RECRUITMENT
- RECTAL DISORDERS (GENERAL)**
 SEE GASTROINTESTINAL DISORDERS, RECTAL DISORDERS (GENERAL)
- RECTAL SALT GLAND**
 SEE BODY FLUID BALANCE, IONIC, SALT GLAND
- RECTOSIGMOID GROWTHS**
 SEE GASTROINTESTINAL NEOPLASMS, RECTOSIGMOID GROWTHS
- RECTUM AND ANUS**
 SEE GASTROINTESTINAL SYSTEM, RECTUM AND ANUS
- RECTUM GROWTHS**
 SEE GASTROINTESTINAL NEOPLASMS, RECTUM GROWTHS
- RECTUM NEOPLASMS**
 SEE GASTROINTESTINAL NEOPLASMS, RECTUM GROWTHS
- RECURRENCE OF DISEASE**
 SEE DISEASE RECURRENCE
- RECURRENCE OF NEOPLASMS**
 SEE NEOPLASMS RECURRENCE
- RED CROSS**
 SEE HEALTH AND SCIENTIFIC ORGANIZATIONS, VOLUNTARY HEALTH ORGANIZATIONS, RED CROSS
- RED NUCLEUS**
 SEE BRAIN, MESENCEPHALON, RED NUCLEUS
- REDOX**
 SEE OXIDATION-REDUCTION
- REDOX PROTEINS, LOW MOLECULAR WEIGHT**
 SEE RESPIRATORY PROTEINS, REDOXINS
- REDOXINS**
 SEE RESPIRATORY PROTEINS, REDOXINS
- REDUCING DIET**
 SEE NUTRITION, DIET THERAPEUTIC, REDUCING DIET
- REDUCTION**
 SEE OXIDATION-REDUCTION, REDUCTION
- REFERRAL AND CONSULTATION**
 SEE HEALTH CARE SERVICES, REFERRAL AND CONSULTATION
- REFLEX**
 SEE NEUROPHYSIOLOGY, REFLEX
- REFLEX, ABNORMAL**
 SEE NERVOUS DISORDERS, REFLEX, ABNORMAL
- REFLUX, GASTROESOPHAGEAL**
 SEE GASTROINTESTINAL DISORDERS, GASTROESOPHAGEAL REFLUX
- REFRACTIVE DISORDERS, EYE**
 SEE EYE REFRACTIVE DISORDERS
- REFRACTOMETRY OCULAR**
 SEE EYE EXAMINATIONS, REFRACTOMETRY OCULAR*
- REFSUM'S SYNDROME**
 SEE NERVOUS DISORDERS PERIPHERAL HEREDITARY, REFSUM'S SYNDROME
- REGENERATION**
 SEE GROWTH, REGENERATION
- REGENERATION, BONE**
 SEE SKELETAL SYSTEM REGENERATION, BONE REGENERATION
- REGENERATION, LIMBS**
 SEE SKELETAL SYSTEM REGENERATION, LIMBS REGENERATION
- REGENERATION, LIVER**
 SEE LIVER REGENERATION
- REGENERATION, NERVOUS SYSTEM**
 SEE NERVOUS SYSTEM REGENERATION
- REGENERATION, SKELETAL**
 SEE SKELETAL SYSTEM REGENERATION
- REGIONAL ANESTHESIA**
 SEE SENSORY DEPRESSION, ANESTHESIA CONDUCTION
- REGIONAL ENTERITIS**
 SEE GASTROINTESTINAL DISORDERS, ENTERITIS, REGIONAL
- REGIONAL MEDICAL PLANNING**
 SEE HEALTH CARE (SERVICES)(RESOURCES)PLANNING, REGIONAL MEDICAL PLANNING
- REGIONAL PLANNING**
 SEE SOCIAL PLANNING, COMMUNITY (REGIONAL) PLANNING
- REGISTRIES**
 SEE INFORMATION CENTERS
 SEE MICROBIAL REGISTRIES
 SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS, BANKS AND REGISTRIES
- REGITINE**
 SEE IMIDAZOLES, PHENTOLAMINE
- REGRESSION NEOPLASMS**
 SEE NEOPLASMS REGRESSION
- REGULATORY CENTERS OF BRAIN**
 SEE BRAIN, REGULATORY CENTERS (GENERAL)
- REGULATORY GENE**
 SEE GENETICS, GENES, OPERON, REGULATORY GENE
- REHABILITATION OF ALCOHOLICS**
 SEE ALCOHOLISM - DRINKING, ALCOHOLISM TREATMENT AND REHABILITATION

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

REHABILITATION (NONPSYCHOSOCIAL) OF CANCER PATIENTS

SEE HEALTH CARE SERVICES, CANCER REHABILITATION

REHABILITATION (PSYCHOSOCIAL) OF CANCER PATIENTS

SEE MENTAL HEALTH SERVICES, CANCER REHABILITATION

REHABILITATION NONPSYCHOSOCIAL

SEE HEALTH CARE SERVICES, REHABILITATION NONPSYCHOSOCIAL

REHABILITATION PSYCHIATRIC

SEE MENTAL HEALTH SERVICES, REHABILITATION PSYCHOSOCIAL

REHABILITATION PSYCHOSOCIAL

SEE MENTAL HEALTH SERVICES, REHABILITATION PSYCHOSOCIAL

REHABILITATION VOCATIONAL

SEE HEALTH CARE SERVICES, REHABILITATION VOCATIONAL

REHEARSAL LEARNING

SEE PSYCHOLOGY, LEARNING, REHEARSAL

REINFORCEMENT (CONDITIONING)

SEE PSYCHOLOGY, CONDITIONING, REINFORCEMENT

REINFORCEMENT (LEARNING)

SEE PSYCHOLOGY, LEARNING, REINFORCEMENT

REISSERT COMPOUNDS

SEE CYANIDES, REISSERT COMPOUNDS

REITER TREPONEME

SEE SPIROCHETES, REITER TREPONEME

REITER'S SYNDROME

SEE DISEASES, SYNDROMES NOT LISTED ELSEWHERE, REITER'S SYNDROME

RELATIVE BIOLOGICAL EFFECTIVENESS

SEE RADIATION, RELATIVE BIOLOGICAL EFFECTIVENESS

RELAXATION SPECTROMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, RELAXATION*

RELAXIN

SEE REPRODUCTIVE HORMONES, RELAXIN

RELIGION

SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, RELIGION

RELIGIOUS CULTURES

SEE SOCIAL GROUPS, RELIGIOUS

REM SLEEP

SEE PSYCHIC ACTIVITY LEVEL, SLEEP, REM

REMEDIAL TRAINING

SEE EDUCATION, SPECIAL (REMEDIAL)

REMISSION OF DISEASE

SEE DISEASE REMISSION

RENAL ARTERY

SEE KIDNEY CIRCULATION, RENAL ARTERY

RENAL ARTERY OBSTRUCTION

SEE KIDNEY-CIRCULATORY DISORDERS, RENAL ARTERY OBSTRUCTION

RENAL CIRCULATION

SEE KIDNEY CIRCULATION

RENAL CORTEX

SEE KIDNEY, RENAL CORTEX

RENAL FAILURE

SEE KIDNEY DISORDERS, RENAL FAILURE

RENAL GLYCOSURIA

SEE METABOLIC DISORDERS INBORN, RENAL GLYCOSURIA

RENAL HYPERTENSION

SEE KIDNEY-CIRCULATORY DISORDERS, RENAL HYPERTENSION

RENAL HYPERTROPHY

SEE KIDNEY DISORDERS, RENAL HYPERTROPHY

RENAL HYPOPHOSPHATEMIA

SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

RENAL ISCHEMIA AND HYPOXIA

SEE KIDNEY-CIRCULATORY DISORDERS, RENAL ISCHEMIA AND HYPOXIA

RENAL MEDULLA

SEE KIDNEY, RENAL MEDULLA

RENAL OSTEODYSTROPHY

SEE KIDNEY DISORDERS, RENAL RICKETS

RENAL RICKETS

SEE KIDNEY DISORDERS, RENAL RICKETS

RENAL TUBULAR ACIDOSIS

SEE METABOLIC DISORDERS (INBORN), RENAL TUBULAR ACIDOSIS

RENAL TUBULAR TRANSPORT

SEE KIDNEY, RENAL TUBULAR TRANSPORT

RENAL TUBULAR TRANSPORT DISORDERS INBORN

SEE METABOLIC DISORDERS INBORN, RENAL TUBULAR TRANSPORT DISORDERS INBORN

RENAL TUBULES

SEE KIDNEY, RENAL TUBULES

RENAL VEINS

SEE KIDNEY CIRCULATION, RENAL VEINS

RENIN

SEE PEPTIDES, VASOACTIVE PEPTIDES, RENIN

RENIN-ANGIOTENSIN-ALDOSTERONE IMBALANCE, BARTTER'S SYNDROME

SEE METABOLIC DISORDERS INBORN, BARTTER'S SYNDROME

RENIN-ANGIOTENSIN SYSTEM

SEE PEPTIDES, VASOACTIVE PEPTIDES, RENIN-ANGIOTENSIN SYSTEM

RENNIN

SEE PROTEASES AND PEPTIDASES, RENININ

RENOGRAPHY (X-RAY)

SEE KIDNEY VISUALIZATION*

RENOPRIVAL HYPERTENSION

SEE KIDNEY-CIRCULATORY DISORDERS, RENOPRIVAL HYPERTENSION

REOVIRUSES

SEE VIRUSES, DIPLORNA

REOVIRUS 3

SEE VIRUSES, DIPLORNA, REOVIRUS 3

REPLACEMENT, TRANSFUSION

SEE BLOOD TRANSFUSION, EXCHANGE

REPLICATION

SEE GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE MOLECULAR CONDENSATIONS, POLYMERS REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS

REPLICATION, VIRAL

SEE VIRUS DEVELOPMENT, REPLICATION

REPRESSION (PSYCHOLOGY)

SEE PSYCHOLOGY, DEFENSE MECHANISMS, REPRESSION

REPRESSORS

SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, REPRESSORS

REPRODUCTION

SEE ALSO CELL DIVISION
SEE ALSO CELL PARASEXUALITY
SEE ALSO CHILDREN, PUBERTY
SEE ALSO EMBRYOLOGY
SEE ALSO FAMILY PLANNING
SEE ALSO FERTILITY
SEE ALSO NUCLEIC ACIDS SYNTHESIS
SEE ALSO PREGNANCY

RO1AA-00231-05 Alcohol intoxication and dependence in animals (monkeys, dogs, rats)

RO1AJ-02753-15 Genetics and reproductive biology of *Aedes* mosquitoes

** R22AJ-09330-05 Reproduction in schistosomes

RO1AJ-09410-05 Endocrinology of mosquito reproduction and behavior

** RO1AJ-09556-05 Reproduction in ticks and mites

RO1AJ-10050-14 0005 International center for medical research - Environmental health and other studies (human, fish, mammals)

** RO1AJ-10707-03 Reproductive physiology of *Aedes*.

RO1AJ-11664-01 Reproductive physiology of mosquitoes and ticks

RO1AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)

** NO1CM-23712-03 Effects of anticancer agents on reproduction (rats, mice, rabbits)

RO1DA-00016-12 Factors in tolerance to the narcotic analgesics (rats)

NO1DA-20171-02 Reproductive and teratogenic studies on narcotic antagonists

PO1ES-00044-10 0006 Mechanisms of pesticide action - Genetic effects of toxicants (wasps, shrimp)

PI0ES-00210-07 0023 Center for environmental management - Low level airborne fluorides and animal growth and reproduction (rats, hamsters)

PO1ES-00481-03 0003 Subcellular pathology of heavy metals - Lead effects on testis (dogs)

** PO1ES-00481-03 0011 Subcellular pathology of heavy metals - Partitioning of lead in the egg (chickens)

RO1ES-00699-15 Abnormal trace metals in disease (mice, rats)

RO1ES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)

RO1ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice

RO1GM-10452-11 Stochastic models in medicine and biology

** PO1GM-15422-07 0004 Program project in genetics - Immunogenetics and immunoreproduction (cattle)

** RO1GM-20024-02 0001 Basic problems in embryogenesis from buds and eggs - Mode of action of a mutation blocking asexual reproduction in ascidians

** PO1HD-02274-08 0076 Mental retardation and child development - Perinatal biology program (humans, mammals)

** PO1HD-02274-08 0096 Mental retardation and child development - Effect of xenobiotic agents on reproduction (rats)

PO1HD-02881-07 0005 Developmental and behavioral neuroendocrinology - Hormones and learning in adults (squirrel monkeys)

M PO1HD-03015-08 Program for developmental biology

RO1HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)

M PO1HD-03803-06 Control mechanism in reproduction and development

** PO1HD-03803-06 0007 Control mechanism in reproduction and development - Circadian rhythm and reproductive cycles (sparrows, lizards, hamsters)

** RO1HD-04016-06 Photoperiod-implantation and parturition (rats, hamsters)

RO1HD-04602-05 Goals and conditions of population control (human)

M PO1HD-05077-05 Reproductive biochemistry and medicine

RO1HD-05753-05 Oogenesis and gene control in reproduction

M PO1HD-05797-04 Population and reproductive biology

PO1HD-05798-01 0003 Center for population research award - Psychology studies

** PO1HD-06132-01 International institute for study of human reproduction (also primates)

** RO1HD-06136-03 Basic studies in reproduction (helminths)

PO1HD-06268-02 Hopkins population center

M PO1HD-06274-03 Reproductive biology

M PO1HD-06645-03 Center for population research

** RO1HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)

M PO1HD-07110-02 Biomedical center for population research

** PO1HD-07110-02 0012 Biomedical center for population research - Reproductive endocrinology (rodents)

** RO1HD-07243-02 Plant factors stimulating mammalian reproduction (voles)

** RO1HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)

PO1HD-07495-02 0007 Center for population research, studies in reproductive biology - Mechanism of progesterone regulation of a specific gene function (chickens)

PO1HD-07495-02 0028 Center for population research, studies in reproductive biology - Clinical correlations to basic reproduction research (human)

PO1HD-08181-01 0004 Cell biology of aging - Genetic control (caenorhabditis)

** PO1HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice

** RO1HD-08949-01 Prostaglandin-protein interactions and human reproduction

** NO1HD-22736-02 International documentation center on human reproduction

NO1HD-32726-02 Monograph on the computer simulation of human reproduction

NO1HD-42804-00 'Consequences of reproduction-A utility model of reproductive behavior' (human)

RO1HL-09283-10 Pharmacology of molluscan hearts

** PO1HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology

RO1HL-15304-02 Spontaneous arteriosclerosis-Ground substance changes (

** RO1MH-02271-17 Psychological studies of behavior (ring doves)

RO1MH-16727-09 Ethological studies of behavior (laughing gulls, clappers)

RO1MH-16870-06 Behavioral and endocrine coordination in mammals (mice, hamsters)

RO1MH-23645-02 0003 Behavior-hormone changes in adolescence - Sexual behavior patterns (chimpanzee)

** PO1MS-11255-01 0002 Comparative neurobiology (aplysia, fish, sea lions) - Neurobiology of reproduction in aplysia

PO1MS-11642-01 0010 Basic and clinical neuroendocrinology - Fine structural correlates of pineal gland function (hamsters)

** P06RR-00163-15 Operation of the Oregon regional primate research center

** P06RR-00165-14 Support of the Yerkes Regional Primate Research Center

** P06RR-00169-13 Operation of the National Center for Primate Biology

** P06RR-00455-06 Development of a laboratory animal resource

** NO1RR-42141-00 Ecology and breeding of sub-human primates

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** W01RR-42179-00 Breeding colony of rhesus monkeys
- ** W01RR-42180-00 Breeding colony of rhesus monkeys
- ** W01RS-42182-00 Breeding colony of rhesus monkeys

REPRODUCTION MICROORGANISMS

- SEE ALSO GROWTH MICROORGANISMS
SEE ALSO VIRUS DEVELOPMENT, REPLICATION
- R01AI-08282-06 Replication of Mycoplasmas and L forms of bacteria (rabbits)
 - R01AI-09586-04 Ultrastructure and replication of Mycoplasmataceae (hamsters)
 - R01AI-10318-04 Structure and replication and bacterial plasmids
 - R01AI-10520-03 Deep vascular schizogony in malaria (monkeys)
 - R01AI-11073-02 Gonococcus infection (human, mice)
 - R01AI-11369-02 Metabolic and immunophysiologic studies on *Trypanosoma lewisi* (rats)
 - R01GM-12179-10 Developmental control mechanisms (Euglena, *B subtilis*)
 - ** R01GM-12953-25 Developmental genetic studies of *Neurospora*
 - R01GM-16289-06 Genetic adaptation (yeasts)
 - R01GM-19607-02 Mechanisms of mitochondrial transmission genetics (yeast)
 - R01HD-00850-17 Sexual hormones of *Achlya bisexualis*

REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS

- ** R01AI-03242-13 0001 Genetics, structure, and function of bacterial pilk - Infectious transfer and replication of sex viruses (bacteria, bacteriophage)
- ** R01AI-05371-12 The physiology of bacterial conjugation
- R01AI-05388-12 Genetic recombination and microbial DNA synthesis (bacteria, phage)
- R22AI-08252-05 Genetic and related interactions in mycobacteria
- R01GM-07779-12 Genetic studies with *Tetrahymena*
- R01GM-15410-07 Normal and abnormal cell growth and heredity (ciliates)
- R01GM-17215-05 Renaturation and hybridization of nucleic acids (microorganisms)
- R01GM-17715-04 Genetic analysis of cyanophytes (bacteria, plants)
- ** R01GM-19175-03 Gene functions associated with the sexual cycle (yeast)
- ** R01GM-19199-03 DNA of hypotrichous ciliates *Stylonychia* and *Euploetes*
- R01GM-19290-03 Conditional lethal mutants of *Tetrahymena*
- ** R01GM-21315-01 Molecular mechanism of recombination in *E. coli*
- ** R01GM-21889-01 Regulation of cell surface glycoproteins (*Hansenula*)

REPRODUCTION MICROORGANISMS, SPORES

- R01AI-04783-12 The role of nuclear cap RNA in prokaryotic development
- R01AI-06457-09 Macromolecular synthesis in prokaryotes
- R01AI-10181-04 Allergenicity of airborne particulates (human)
- ** R01AI-10331-03 Sporulation plasmid in *Bacillus pumilus*
- ** R01AI-11121-02 Novel control mechanisms in endospore formation
- R01AI-11123-02 *Nosema algerae* as a biological control of mosquitoes
- P01CA-13330-03 0056 Cancer research program - Cell growth and morphogenesis (fungi)
- ** R01GM-11895-11 The mechanism of gene activation during development (microorganisms)
- R01GM-12953-25 Developmental genetic studies of *Neurospora*
- R01GM-13914-09 0003 Macromolecules of circulatory and genetic importance - Isolation of the bacterial genome (microorganisms)
- ** R01GM-18904-03 Regulation of differentiation in germinating spores
- ** R01GM-19236-03 Translational control of spore development
- ** R01GM-19398-01 Fungal spore germination and mitochondrial biogenesis
- R01GM-19499-03 Membrane differentiation in bacteria
- ** R01GM-19643-02 Proteases and protein turnover in bacterial sporulation
- ** R01GM-19698-02 Degradative reactions in spore germination
- ** R01GM-20055-01 Membrane synthesis and sporulation (*Bacillus subtilis*)
- ** R01GM-20296-01 Polyribosomes in bacterial spores
- ** R01GM-20728-01 Regulatory factors of sporulation in *Bacillus subtilis*
- ** R01HD-04214-05 Control of transcription during spore germination (bacteria)

REPRODUCTION MICROORGANISMS, SPOROGENESIS

- ** R01AI-01863-17 Cell differentiation in prokaryotic organisms (bacteria)
- R01AI-06497-10 A possible cellular role for penicillinase (bacteria)
- ** R01AI-08057-06 Macromolecular aspects of spore germination (fungi)

- R01AI-09093-06 Control of bacterial membrane synthesis
- R01AI-10610-03 Protein metabolism in yeast
- ** R01AI-11730-01 Regulation of meiosis and ascus development in yeast
- R01FD-00203-04 Clostridium perfringens food poisoning (rabbits, mice, guinea pigs)
- R01GM-07581-13 Biosynthesis of deoxyribonucleic acid and membranes (bacteria, viruses)
- R01GM-09320-13 Control of genome expression (bacteria)
- ** R01GM-09396-13 Peptide antibiotics and bacterial sporulation
- R01GM-10138-12 Interactions regulating differentiation in cellular slime molds
- ** R01GM-11946-12 Properties of transforming and infectious DNAs (microorganisms)
- ** R01GM-17421-05 Role of tRNA in cell regulatory mechanisms (bacteria, mammals)
- ** R01GM-18568-02 Role of RNA polymerase in bacterial differentiation
- P01GM-19100-03 0019 Genetics research center - Differentiation of aquatic phycomycete (*Blastocladiella emersonii*)
- ** R01GM-19175-03 Gene functions associated with the sexual cycle (yeast)
- ** R01GM-19416-03 Genetic control of development (bacteria)
- R01GM-19718-02 Cell division and morphogenesis (plants)
- ** R01GM-20056-02 Control of gametogenesis
- ** R01GM-20606-01 Morphogenesis of bacterial spores (*B cereus*, *B subtilis*)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS

- SEE ALSO ADRENAL GLANDS DISORDERS, ADRENOGENITAL SYNDROME
SEE ALSO REPRODUCTIVE SYSTEM DISORDERS FEMALE, POLYCYSTIC OVARY
- R01AM-13710-05 Metabolism and control of testosterone in man
 - ** P01DE-01850-11 0026 Fluoride metabolism - Fluoride and fertility in male mice
 - P01GM-15253-08 0048 Genetics in medicine - Gene action in man - Clinical cytogenetics
 - R01HD-04134-06 Cytological studies in human genetics
 - R01HD-04355-09 Chromosome studies of mammalian embryos (cats, dogs, cattle, horses, pigs)
 - R01HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
 - ** R01HD-05105-13 Pituitary-gonadal interrelationship (human)
 - R01HD-05276-04 Androgen in reproduction - Production and actions (human, mice)
 - ** P01HD-06276-03 0020 Mental retardation research program - Biological basis of sex difference in cognitive stage (children)
 - ** R01HD-06308-03 Free plasma sex hormone and androgen action (human)
 - R01HD-06867-02 Influence of prolactin on the testis (rats, mice, rabbits)
 - ** P01HD-07495-02 0028 Center for population research, studies in reproductive biology - Clinical correlations to basic reproduction research (human)
 - P01MH-17565-03 0002 Genetics of the XYY phenomena in man - Physical investigations (human)
 - ** W01RR-00037-14 0016 General clinical research center - Transsexualism, surgical technique for vaginal construction (human)
 - ** W01RR-00056-13 0045 General Clinical Research Center - Pituitary gonadotropins and disorders of growth and sexual development (human)
 - W01RR-00069-12 0025 General clinical research center, children - Follow-up on neonates with X-chromosomal abnormalities
 - ** W01RR-00079-12 0112 General clinical research center - Evaluation of gonadotropin secretion (human)
 - W01RR-00084-12 0031 General clinical research center - children - Control factors in timing of sexual maturation
 - ** W01RR-00096-14 0049 Clinical research center - Steroid metabolism in sex anomalies (human)
 - ** W01RR-00125-11 0219 General clinical research center - adult-child - Hypothalamic-pituitary-gonadal axis in abnormal sex development
 - ** W01RR-00261-09 0103 General clinical research center - Syndrome of "virginal hyperplasia" (human)
 - ** W01RR-00847-01 0015 Clinical research centers - Serum and urine gonadotropin levels in abnormal sexual development (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, CRYPTORCHIDISM

- R01HD-06969-01 Role of the Sertoli cell in spermatogenesis (monkey, human, rodents)
- ** W01RR-00052-13 0023 General clinical research center for children - Treatment for cryptorchidism
- ** W01RR-00075-11 0058 General clinical research center for children - Cryptorchidism and other testicular disorders
- W01RR-00847-01 0015 Clinical research centers - Serum and urine gonadotropin levels in abnormal sexual development (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, HERMAPHRODITISM

- P01GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
- R01HD-04083-06 Mammalian eggs and pheromones (mice)
- ** W01RR-00722-02 0028 General Clinical Research Center - Retention of androgens in tissue in abnormal sex differentiation (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, HERMAPHRODITISM, PSEUDOHERMAPHRODITISM

- R01AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
- R01AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
- ** W01CB-33907-01 Mammary gland in pseudohermaphroditic rats and mice
- P13DE-02668-08 0002 Dental research center - Growth mechanisms (rats)
- R01GM-19258-02 Regulation of gene expression by sex hormones (human, mice, chickens)
- ** R01HD-00072-11 Androgen metabolism in childhood (human)
- ** R01HD-00325-18 0002 Longitudinal and related psychohormonal studies - Adult erotic function in female hermaphroditis
- R01HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome
- ** R01HD-04683-05 Fetal sexual differentiation (rats)
- ** R01MH-21312-03 0013 Endocrinological determinants of behavior - Hermaphroditism and sexually dimorphic behavior (rhesus monkeys)
- ** W01RR-00035-14 0022 General clinical research centers - Response of male hermaphroditis to testosterone (human)
- W01RR-00046-14 0002 General clinical research center - Etiologic mechanisms in patients refractory to androgens
- ** W01RR-00047-14 0055 General clinical research center - Steroid metabolism (human)
- ** W01RR-00240-10 0079 General clinical research center - Children - Steroid metabolism in male pseudohermaphroditism
- ** W01RR-00305-08 0034 Clinical research center for children - Testicular end-organ dysfunction in pseudohermaphroditism
- ** W01RR-00632-02 0007 General clinical research center - Effects of testosterone in male pseudohermaphroditism (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, HYPOGONADISM

- P01AM-08445-10 0015 Biology of skin of man and other primates - Ultrastructural studies of acne vulgaris (human)
- P01CA-07304-11 0041 Steroid hormone production and metabolism in cancer - Endocrine function in gonadotropin deficiency (human)
- ** P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- ** P11GM-15956-07 0043 Factors affecting the responses to drugs - Genetic hypopituitarism and isolated gonadotropin deficiency (human)
- N01HB-22918-03 Studies in sickle cell disease (human, guinea pigs, rats)
- R01HD-05105-13 Pituitary-gonadal interrelationship (human)
- W01RR-00030-13 0119 General clinical research center - Use of LH releasing factor in pituitary function test
- ** W01RR-00035-14 0116 General clinical research centers - Induction of ovulation in hypogonadotropic patients
- W01RR-00040-14 0100 General clinical research center - Studies of FSH and LH secretion (human)
- W01RR-00052-13 0035 General clinical research center for children - Sexual development, gonadotropins
- W01RR-00053-13 0065 Clinical research center - Episodic secretion of hormones - Luteinizing hormones (human)
- ** W01RR-00053-13 0080 Clinical research center - Endocrine function in isolated gonadotropin deficiency (human)
- W01RR-00053-13 0082 Clinical research center - Syndrome of adrenal hyperplasia with feminization and hyperprolactinemia (human)
- W01RR-00054-13 0068 General clinical research center - Hypophysiotropic hormones, TRH, LRH in body fluids (human)
- W01RR-00079-12 0073 General clinical research center - Insulin, GH and gonadotropin secretion in growth retardation (human)
- W01RR-00125-11 0212 General clinical research center - adult-child - Endocrines in iron storage associated with thalassemia major
- ** W01RR-00128-10 0043 General clinical research center for children - Human gonadotropins and testicular development
- W01RR-00134-10 0055 General clinical research center - Effect synthetic LH releasing factor on pituitary function in man
- W01RR-00305-08 0010 Clinical research center for children - Physiologic interrelationship of adrenal and gonadal androgenic function

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- MO1RR-00305-08 0034 Clinical research center for children - Testicular end-organ dysfunction in pseudohermaphroditism
- MO1RR-00628-04 0007 General clinical research center for children - Neuroendocrine aspects of sleep in dwarfism
- MO1RR-00722-02 0032 General Clinical Research Center - Studies of special senses (human)
- ** MO1RR-00749-02 0020 General clinical research center - Kallman's syndrome or hypogonadotropic eunuchoidism with anosmia (human)
- MO1RR-00827-01 0023 General clinical research center - Mechanisms of gonadotropin control and action (human)
- MO1RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)
- MO1RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males
- ** MO1RR-00828-01 0030 General clinical research center - Use of clomiphene in evaluation of human pituitary function
- MO1RR-00847-01 0015 Clinical research centers - Serum and urine gonadotropin levels in abnormal sexual development (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, KALLMAN'S SYNDROME

- ** MO1RR-00109-11 0041 General clinical research center - Patient with anosmia hypogonadism and XYY karyotype
- MO1RR-00722-02 0032 General Clinical Research Center - Studies of special senses (human)
- ** MO1RR-00749-02 0020 General clinical research center - Kallman's syndrome or hypogonadotropic eunuchoidism with anosmia (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, PUBERTY PRECOCIOUS

- PO1HD-06276-03 0020 Mental retardation research program - Biological basis of sex difference in cognitive stage (children)
- RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- ** MO1RR-00052-13 0038 General clinical research center for children - Sexual precocity
- MO1RR-00053-13 0065 Clinical research center - Episodic secretion of hormones-Luteinizing hormones (human)
- ** MO1RR-00075-11 0038 General clinical research center for children - Pituitary-gonadal interrelationship
- ** MO1RR-00079-12 0131 General clinical research center - Luteinizing releasing factor (human)
- ** MO1RR-00188-10 0077 General clinical research center for children - Isovexual precocious puberty in children with congenital rubella
- ** MO1RR-00628-04 0004 General clinical research center for children - Androgen and estrogen levels in plasma
- ** MO1RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
- ** MO1RR-00749-02 0046 General clinical research center - Danazol in treatment of precocious puberty (human)
- MO1RR-00847-01 0015 Clinical research centers - Serum and urine gonadotropin levels in abnormal sexual development (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS

- SEE ALSO ADRENAL GLANDS DISORDERS, ADRENOGENITAL SYNDROME
- SEE ALSO GENETICS, SEX DETERMINATION
- SEE ALSO PSYCHOLOGY ABNORMAL, SEX DEVIATION, TRANSEXUALISM
- ** RO1AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
- PO1GM-15253-08 0048 Genetics in medicine-Gene action in man - Clinical cytogenetics
- ** PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- ** PO1GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
- ** PO1GM-20130-01 0010 Clinical genetics research center - Reproductive genetics (human)
- M RO1HD-00325-18 Longitudinal and related psychohormonal studies
- ** RO1HD-00325-18 0008 Longitudinal and related psychohormonal studies - Women with vaginal atresia
- RO1HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrenogenital syndrome
- RO1HD-00325-18 0012 Longitudinal and related psychohormonal studies - Genetic males reared as females
- PO1HD-02881-07 0004 Developmental and behavioral neuroendocrinology - Sexual dimorphism and sexual differentiation (squirrel monkeys)
- PO1HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
- PO1HD-04147-06 0009 Research in mental retardation - Metabolic research unit
- ** RO1HD-04683-05 Fetal sexual differentiation (rats)
- PO1HD-05077-05 0010 Reproductive biochemistry and medicine - Antibodies to steroids (rats, monkeys)

- PO1HD-06276-03 0020 Mental retardation research program - Biological basis of sex difference in cognitive stage (children)
- RO1HD-07349-01 Effects of perinatal clomiphene on rat sexual behavior
- R12MH-19348-04 Core support program for research dissemination
- ** MO1RR-00053-13 0015 Clinical research center - Hyperandrogenism in males with nodular adrenal hyperplasia (human)
- ** MO1RR-00128-10 0076 General clinical research center for children - Cognitive and sensory-motor performance in sex development disorders
- ** MO1RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, TESTICULAR FEMINIZATION

- ** RO1HD-05276-04 Androgen in reproduction-Production and actions (human, mice)
- MO1RR-00044-14 0002 General clinical research center - Etiologic mechanisms in patients refractory to androgens

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, VIRILISM

- RO1AM-12027-07 Mechanisms regulating adenocortical secretion (human, rats)
- ** RO1HD-00072-11 Androgen metabolism in childhood (human)
- ** MO1RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)
- ** MO1RR-00031-14 0072 General clinical research center - Abnormalities of androgen metabolism (human)
- ** MO1RR-00043-14 0071 General clinical research center - Hirsutism (human)
- ** MO1RR-00050-13 0027 Wilson's disease - Hirsutism (human)
- MO1RR-00059-13 0009 General clinical research center - Hormonal characteristics in menstruation disorders (human)
- MO1RR-00059-13 0103 General clinical research center - Follicular maturation in disordered menses (human)
- ** MO1RR-00063-12 0023 General clinical research center - Virilization during pregnancy (human)
- ** MO1RR-00211-10 0047 General clinical research center - Hirsutism and amenorrhea (human)
- ** MO1RR-00305-08 0010 Clinical research center for children - Physiologic interrelationship of adrenal and gonadal androgenic function
- ** MO1RR-00318-08 0029 General clinical research center - Plasma androgens in anovulatory and androgenized states (human)
- MO1RR-00828-01 0030 General clinical research center - Use of clomiphene in evaluation of human pituitary function
- ** MO1RR-00828-01 0037 General clinical research center - Effect on androgen metabolism in syndrome of diabetes, hirsutism and obesity
- MO1RR-00847-01 0015 Clinical research centers - Serum and urine gonadotropin levels in abnormal sexual development (human)

REPRODUCTIVE BIOLOGY STUDY SECTION

- ** RO1AM-16748-01 Human gonadotropins-Chemical structure, immunobiology
- ** RO1CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
- ** RO1CA-15622-01 Endocrinology of experimental ovarian tumors (parabiotic rats)
- ** RO1HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)
- M RO1HD-00420-14 Androgen production and function during development
- ** RO1HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)
- ** RO1HD-00739-09 Functioning of corpora lutea (swine)
- ** RO1HD-00778-10 Role of the brain in male and female reproduction (rats)
- RO1HD-01182-12 Ovarian-hypothalamic-hypophyseal axis (rats)
- ** RO1HD-02014-09 Effect of maternal age on reproductive capacity (mice)
- ** RO1HD-02138-12 Central nervous system regulation of reproduction (rats)
- RO1HD-02344-09 Experimental studies on the seminiferous epithelium (rodents)
- ** RO1HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
- ** RO1HD-03003-14 Physiology of the female tract (ferret, rodents, rabbits)
- ** RO1HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)
- ** RO1HD-03159-07 Hypophyseal response to estrogens and progestins (human, monkeys, cattle, rats)
- ** RO1HD-03266-06 Submicroscopic bases of male infertility (human, mammals, roosters)
- RO1HD-03402-07 In vitro fertilization of mammalian eggs (rodents, rabbits, monkeys)
- ** RO1HD-03472-12 Physiology of mammalian fertilization (rodents, rabbits)
- M RO1HD-03752-05 Mammalian reproduction

- ** RO1HD-03820-06 Male reproductive physiology (rabbits)
- ** RO1HD-03968-14 Reproductive physiology in the Rhesus monkey
- RO1HD-04005-06 Cytodifferentiation of steroid-secreting cells (guinea pigs)
- ** RO1HD-04016-06 Photoperiod-implantation and parturition (rats, hamsters)
- RO1HD-04182-06 Adrenergic pharmacology of ovum transport (rabbits)
- ** RO1HD-04189-05 Physiology of the mammalian oviduct
- RO1HD-04290-04 Structure and function of epididymis and vas deferens (rodents)
- RO1HD-04312-06 Physiologic control of prolactin secretion (rats)
- RO1HD-04375-04 Role of light in CNS-pituitary-gonadal control (rats)
- ** RO1HD-04466-05 Development of male reproductive function (humans, primates, rodents)
- ** RO1HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
- ** RO1HD-04592-06 Biochemistry of the mole genital tract (rodents)
- ** RO1HD-05090-04 Endometrial preparation for implantation (rats)
- ** RO1HD-05105-13 Pituitary-gonadal interrelationship (human)
- ** RO1HD-05114-03 CNS control of gonadotropin and prolactin secretion (sheep, rats)
- ** RO1HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
- ** RO1HD-05154-03 Endometrial-blastocyst interrelationships (rabbits)
- ** RO1HD-05263-04 Sperm-specific enzymes and male fertility (human, pigeons, mice)
- ** RO1HD-05276-04 Androgen in reproduction-Production and actions (human, mice)
- ** RO1HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
- ** RO1HD-05316-04 Proteins of mammalian sperm/atozoa (rats, rabbits, human)
- ** RO1HD-05414-03 Steroid biochemistry of the hypothalamic-ovarian axis (rats, human)
- RO1HD-05622-04 Factors controlling the timing of LH release (rats, rabbits)
- ** RO1HD-05697-02 A polypeptide influencing ovarian function (rodents)
- RO1HD-05724-03 Carotenoid metabolism of the corpus luteum (cattle)
- RO1HD-05730-04 Development of reproductive function(rats)
- ** RO1HD-05859-04 Role of the epididymis in spermatozoa maturation (cattle, rabbits, human)
- ** RO1HD-05860-03 Environment, genetics and pheromonal ovulation (mice)
- ** RO1HD-05862-04 Gonadotropin control of human female meiosis (also monkeys, mice)
- ** RO1HD-05863-03 Reproductive biochemistry of testes specific LDH-X (mice, human)
- ** RO1HD-05865-03 Interaction of hormones of reproduction in the brain (rats, rabbits)
- RO1HD-05866-03 Effect of prostaglandins on ovarian function (human)
- ** RO1HD-05867-03 Testis and epididymis-Combined study (monkeys)
- ** RO1HD-05938-03 Contraceptive regulation of corpus luteum function (human, swine, cattle)
- ** RO1HD-05942-03 Uterine and placental control of luteal function (rabbits)
- ** RO1HD-05948-01 Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human)
- ** RO1HD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)
- RO1HD-06020-03 Maturation of mammalian oocytes (mice)
- RO1HD-06045-03 Inter-relationship between retinal and male genads (rats)
- ** RO1HD-06047-03 Uterine sensitivity and its associated phenomena (rats)
- ** RO1HD-06192-03 Physiological studies of hypothalamic hormones (sheep, cattle, chickens)
- ** RO1HD-06207-03 Vasectomy-Ultrastructural and cytochemical effects (dogs, rodents, human)
- ** RO1HD-06209-03 Gonadotropin release and biological rhythms (women, men)
- ** RO1HD-06210-03 Estrogen-like effect of the IUD on the uterus (rats)
- ** RO1HD-06212-03 Ovarian steroid control of muscle of reproductive tract (rats)
- ** RO1HD-06233-03 Control of selective ovarian follicular growth (lizards)
- ** RO1HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
- RO1HD-06315-03 Proteases in sperm and seminal fluid (human, monkeys)
- RO1HD-06362-03 Nucleotide metabolism in the decidual uterus (mice)
- RO1HD-06371-03 Dynamics of ovulation (rabbits, swine)
- ** RO1HD-06374-02 Development, composition and function of oviduct cilia (mice)
- RO1HD-06380-03 Biogenic amines in ovulation and implantation (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** R01HD-06387-03 Polyamine metabolism in reproductive physiology (rats)
- ** R01HD-06481-03 RNA and protein synthesis in the mammalian oviduct (rabbits, rodents)
- ** R01HD-06486-02 Augmented steroidogenesis by testis slices (rabbits)
- R01HD-06489-03 Cyclic AMP in female reproductive hormone action (human, rats)
- ** R01HD-06491-03 Mammalian spermatozoan motility (bulls)
- ** R01HD-06513-03 Prostaglandin and LH action in corpus luteum (rats, rabbits, swine)
- ** R01HD-06527-02 Control of testicular function (birds)
- ** R01HD-06532-01 Analysis of mammalian ovarian follicular fluids (swine, rabbits)
- ** R01HD-06555-01 Physiological studies on LH-releasing hormone (animals)
- R01HD-06556-03 Hormonal control of delayed implantation (skunks)
- ** R01HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
- ** R01HD-06642-03 Metabolism of the proovulatory follicle (rabbits)
- ** R01HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- ** R01HD-06663-01 Mammalian sperm antigens involved in reproduction
- ** R01HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)
- ** R01HD-06695-03 Physiology of sperm maturation (boar, human)
- ** R01HD-06698-01 Biochemical studies of in vitro sperm capacitation (hamsters)
- ** R01HD-06701-03 Mechanisms of puberty (rats)
- ** R01HD-06725-03 Differentiation and androgenesis in juvenile testis (chickens, rats)
- R01HD-06726-03 Effects of estrogen on human uterine tissue in vitro
- ** R01HD-06760-03 Neural control of sexual behavior in the rat
- R01HD-06761-03 Serotonergic mechanisms in inhibition of ovulation (rats)
- ** R01HD-06787-01 Neuroendocrine control of gonadotropin secretion (sheep, rats)
- R01HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
- R01HD-06867-02 Influence of prolactin on the testis (rats, mice, rabbits)
- ** R01HD-06868-02 Biochemical aspects of male sexual maturation (rabbits, rats, human)
- ** R01HD-06895-02 Pathological effects of vasectomy on permeability (rats)
- ** R01HD-06896-01 Estrogen-stimulated progesterone synthesis in vitro (rabbits)
- ** R01HD-06897-02 Phospholipids in mammalian reproduction (rabbits)
- ** R01HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
- ** R01HD-06908-02 Membrane changes in mammalian spermatozoa (rabbits)
- ** R01HD-06926-01 Neural regulation of sex behavior in the female (rats)
- R01HD-06948-02 Endocrine correlates with prostaglandin F_{2A} (cattle)
- ** R01HD-06950-01 Extracerebral and neuroendocrine regulation of ovulation (baboon, rat)
- ** R01HD-06969-01 Role of the Sertoli cell in spermatogenesis (monkey, human, rodents)
- ** R01HD-06982-01 Functional age changes in female reproductive organs
- ** R01HD-07013-02 Subcellular investigation of pig sperm capacitation
- ** R01HD-07014-02 Biochemistry of spermatozoan structures (human, rabbits, rodents)
- ** R01HD-07049-01 Hormones in sexual differentiation and behavior (rats, mice)
- ** R01HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)
- ** R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- ** R01HD-07197-02 Steroid dynamics, (human, mammals)
- ** R01HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)
- ** R01HD-07239-01 Characterization of a pineal anti-ovulatory compound (cattle, mice)
- ** R01HD-07242-01 Prolactin, progesterone and broodiness (turkeys)
- ** R01HD-07243-02 Plant factors stimulating mammalian reproduction (voles)
- ** R01HD-07244-01 Separation and culture of epididymal epithelial cells (rabbits, cattle)
- ** R01HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
- ** R01HD-07454-02 Human sexual behavior and an olfactory pheromone
- ** R01HD-07481-03 Enzymology of mammalian sperm acrosomes (bulls, rams, rabbits)
- ** R01HD-07496-01 Environmental and hormonal control of estrus (hamsters)
- ** R01HD-07499-01 Neuroendocrine control of LH release in the hamster
- ** R01HD-07503-02 Biology of the testis—Action of FSH (rats)
- R01HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)
- ** R01HD-07602-02 Neural influence on hypophysal-gonadal function (monkeys, rats)
- ** R01HD-07632-01 Freeze drying of nucleated mammalian cells (cattle)
- ** R01HD-07655-01 Behavior of stem cell spermatogonia in rodent testes
- R01HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
- R01HD-07689-02 Functional luteolysis in primates—Role of estrogen
- ** R01HD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
- ** R01HD-07711-01 Extra-ovarian control of gonadotropin secretion (rats)
- R01HD-07727-02 Photoperiodic control of reproduction (hamsters)
- R01HD-07729-01 Regulation of LH release by gonadotropin releasing factor
- ** R01HD-07762-01 Hormonal regulation of luteal function and regression (rats)
- ** R01HD-07824-01 Sexual attraction in allomyces and fucus
- R01HD-07841-01 Physiological role of Gn-RH (sheep, rats)
- R01HD-07857-03 Sex hormone receptor components and the cell genome (chicks, human, guinea pigs)
- ** R01HD-07911-01 Sperm storage in avian oviducts (chickens, turkeys)
- ** R01HD-07916-01 Neuroendocrine correlates of gonadotropin secretion (rats)
- M R01HD-07923-02 Steroid hormone metabolism
- ** R01HD-07972-01 Ovarian involution in aging (rats)
- ** R01HD-08018-01 Sperm transport in cervical mucus (human)
- ** R01HD-08034-01 Reproductive function and gonadal steroid dynamics (human, monkeys)
- ** R01HD-08035-01 Regulation of the human hypothalamic-pituitary system
- ** R01HD-08099-01 Mode of action of luteinizing hormone (rats)
- ** R01HD-08126-01 Androgenic regulation of spermatogenesis (rats)
- ** R01HD-08180-01 LH receptor sites in luteal cells, lutropotrophic factors (cattle)
- ** R01HD-08188-02 Reproductive hormones—Biology and molecular actions (chickens)
- R01HD-08192-02 Mechanism of action of estrogens (rats)
- ** R01HD-08202-02 Gonadal differentiation in the human fetus
- ** R01HD-08211-01 Reproductive biology of the testis (rats, human)
- ** R01HD-08229-01 Hormonal control of vaginal circulation (sheep, cattle, human)
- ** R01HD-08258-01 Function of carnitine in the male reproductive tract (rats, monkeys)
- ** R01HD-08270-01 Spermiogenesis—Analysis of nuclear protein (rodents, lagomorphs, monkeys, human)
- R01HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- ** R01HD-08279-01 Effects of aging on the CNS—Pituitary gonadal axis (rats)
- ** R01HD-08280-01 Contraceptive receptor mechanisms (rats, monkeys)
- ** R01HD-08281-01 Neuroendocrine regulation of reproductive behavior (rats)
- ** R01HD-08309-01 Population control research—Enzyme studies
- ** R01HD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
- ** R01HD-08364-01 Sex hormones and development of the gonadotrophic axis (rats, mice)
- ** R01HD-08389-01 Neuroendocrine control of pituitary hormone secretion (rats)
- ** R01HD-08411-01 Regulation of spermatogenesis in white-footed mice
- ** R01HD-08420-01 Prostate citrate metabolism (rats)
- ** R01HD-08466-01 Mechanism of luteinization in vitro and in vivo (monkeys, swine)
- ** R01HD-08496-01 Metabolic changes in preimplantation mouse eggs
- ** R01HD-08557-01 Amino acid transport during early development (mice)
- ** R01HD-08615-01 Estrogen control of uterine growth and cell division (rats)
- ** R01HD-08622-01 Development of reproductive organs in mammals (rats, dogs, monkeys, human)
- ** R01HD-08636-01 Reproductive endocrine development in the monkey (rhesus)
- ** R01HD-08695-01 Developmental biology and gametogenesis (marmosets)
- ** R01HD-08924-01 Role of brain monoamines in gonadotropin release (rats)
- ** R01HD-08940-01 Structural maturation of the prepubertal rabbit testis
- ** R01HD-08949-01 Prostaglandin-protein interactions and human reproduction
- REPRODUCTIVE HORMONES**
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, OXYTOCIN
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, VASOTOCIN
- ** P02CA-13696-02 0008 Clinical cancer research center - Endocrine studies in breast cancer (human)
- R26CA-16375-01 Role of bile acids in etiology of large bowel cancer (mammals)
- ** N01CB-23861-02 Hormonal requirements of normal and abnormal human mammary tissue
- N01CP-81010-10 Human trophoblast cell line
- R01HD-04189-05 Physiology of the mammalian oviduct
- ** P01HD-05077-05 0003 Reproductive biochemistry and medicine - Computer simulation of human menstruation, gonadal hormones and contraceptives
- ** P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
- R01HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
- ** P01HD-07110-02 0014 Biomedical center for population research - Endocrinologic aspects of male infertility (human, mammals nonhuman)
- M P01HD-07495-02 Center for population research, studies in reproductive biology
- P01HD-07495-02 0006 Center for population research, studies in reproductive biology - RNA polymerase regulation in tissues for reproductive hormones (rats, chickens)
- P01HD-07495-02 0022 Center for population research, studies in reproductive biology - Structure and function of chromosomes in reproductive tissues (chickens)
- P01HD-07495-02 0023 Center for population research, studies in reproductive biology - Cell hybridization (human, mice)
- P01HD-07495-02 0025 Center for population research, studies in reproductive biology - Culture of endocrine reproductive cells (chickens, rats, human)
- P01HD-07495-02 0026 Center for population research, studies in reproductive biology - Characterization and regulation of ovum-uterus interaction (rats, mice)
- P01HD-07495-02 0028 Center for population research, studies in reproductive biology - Clinical correlations to basic reproduction research (human)
- P01HD-07495-02 0029 Center for population research, studies in reproductive biology - Non-steroidal luteolytic agents (rats)
- M P01HD-07640-01 Program project in reproductive biology
- ** P01HD-07640-01 0001 Program project in reproductive biology - Mechanism of action, progesterone in the mammalian uterus—Uteroglobulin (rabbit)
- P01HD-08235-01 Hormonal regulation of the reproductive tract
- ** P01HD-08333-01 Hormones in reproduction (human)
- R01MH-19438-04 0002 Neurochemistry of obesity and learned taste aversions - Peripheral and endocrine influences on changes in feeding (rats)
- R01MH-22640-02 0004 Regulation of primate behavior - Interspecific mating (bonnet and pigtail macaques)
- ** M01RR-00210-10 0041 General clinical research center—Maternal-child - Dynamics of ovarian steroid production
- ** M01RR-00240-10 0110 General clinical research center—Children - Gonadal function in nephrotic children treated with cyclophosphamide
- M01RR-00425-06 0049 General clinical research center - Corpus luteum function in early pregnancy—diurnal variation (human)
- REPRODUCTIVE HORMONES, CHORIONIC SOMATOMAMMOTROPIN**
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, PROLACTIN
- ** R01AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
- ** R01AM-10723-08 Immunochemistry and physiology of growth hormones (human)
- P01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- R01AM-14106-04 Growth hormone secretion rates (human, monkeys)
- ** R01AM-16168-03 Human prolactin, growth hormone, and placental lactogen (human, animals)
- R01AM-17307-01 Hormone production in cultured endocrine cells (rats)
- R01CA-12109-04 0001 Trophoblastic disease - Carbohydrate metabolism in choriocarcinoma
- R01CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
- ** R01CA-13533-03 Ectopic placental proteins in cancer (human)
- ** R01HD-02335-09 0003 Hormonal effects on growth and maturation - Chorionic somatomammotropin and growth hormone (human, monkeys)
- ** R01HD-02455-08 Metabolic and endocrine effects of peptide hormones (human, monkeys)
- ** P01HD-03352-07 0009 Wisconsin center on mental retardation - Embryo-uterine interrelationship (rats, monkeys)
- ** P01HD-05077-05 0009 Reproductive biochemistry and medicine - Human gonadotropin and chorionic growth hormone prolactin
- R01HD-06467-03 Role of feto-placental unit in maintenance of pregnancy (rats, monkeys)
- ** P01HD-06645-03 0004 Center for population research - Effect of pituitary and placental gonadotropins on ovary (monkeys)

(contd)

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- ** P01HD-06645-03 0024 Center for population research - Endocrine control of oocyte maturation (human)
- ** R01HD-06929-02 Fetal health and amniotic fluid HCS and prolactin (monkeys)
- ** R01HD-07447-01 Chemistry and physiology of placental lactogen (human, sheep)
- ** R01HD-07843-01 Placental and pituitary protein and polypeptide hormones (human, rabbit)
- ** R01HD-08225-02 Chemistry and physiology of placental lactogen (human, mice, rats)
- R01HD-08299-01 The hormonal control of fetal growth (rat, chick embryo)
- R01HD-08478-01 Primate endocrine regulation in the perinatal period
- ** M01RR-00035-14 0100 General clinical research centers - Effect of placental lactogen in hypopituitarism (human)
- REPRODUCTIVE HORMONES, GONADOTROPINS**
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, FSH
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, GONADOTROPINS REGULATING FACTORS
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, LH-ICSH
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, PROLACTIN
SEE ALSO REPRODUCTIVE HORMONES, CHORIONIC SOMATOMAMMOTROPIN
- ** R01AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
- R01AM-01677-17 Regulatory mechanisms in lipid metabolism (rats, human)
- ** R01AM-00097-20 Pituitary lactogenic and gonadotropic hormones (human, animals)
- ** P01AM-06704-12 0004 Neural and humoral control of endocrine function - Reproductive neuroendocrinology (rats)
- R01AM-07084-13 Hormonal control of sebaceous gland function (human)
- R01AM-17650-01 Factors controlling steroid hormone receptor activity (rats)
- R01AM-18072-01 Calcium homeostasis-Endocrine and comparative aspects (quail, rats, chipmunks)
- P01CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
- ** P02CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
- ** R01CA-05985-13 0004 Stages of carcinogenesis of the cervix uteri in mice - Single locus models for ovarian and pituitary tumorigenesis (mice)
- P01CA-10748-07 0009 Cancer chemotherapy program - Interaction of radioactive estrogens, androgens and progestins (mice, human)
- ** P02CA-10895-06 0014 Adult leukemia research center - Hormones (human)
- P02CA-11911-04 0021 Clinical cancer center - Lung tumor secretion of polypeptide hormones
- ** R01CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and chorioncarinoma
- R01CA-12109-04 0003 Trophoblastic disease - Radio immunoassay
- ** R01CA-12109-04 0004 Trophoblastic disease - Chemotherapy of trophoblastic disease
- ** R01CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
- P02CA-13696-02 0008 Clinical cancer research center - Endocrine studies in breast cancer (human)
- P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
- P02CA-13696-02 0022 Clinical cancer research center - Tumorigenesis in primate ovaries and testes
- ** R01CA-14708-02 Fine structural analysis of androgenic tumor cells (mice)
- P02CA-15145-01 0008 Cancer center support grant - Tailoring therapy
- R01CA-15622-01 Endocrinology of experimental ovarian tumors (parabiotic rats)
- ** R18CA-16409-01 0002 Cancer control developmental grant - Trophoblastic disease laboratory
- R01ES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)
- R01GM-10374-12 Chemistry of human glycoproteins and proteins
- ** P01GM-15253-08 0021 Genetics in medicine-Gene action in man - Gonadotropin control of oocyte maturation (mice)
- P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women
- P01GM-19521-03 0003 Genetic study of mammalian control systems - Glucuronidase induction (mice)
- R01HD-00371-20 Hormonal function in growth and development in childhood (human)
- R01HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
- R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)
- R01HD-01182-12 Ovarian-hypothalamic-hypophysal axis (rats)
- ** N01HD-02250-06 Radioimmunoassay for Rhesus monkey gonadotropins
- ** R01HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
- ** R01HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
- ** P01HD-02528-08 0052 Research center in mental retardation - Control and functional relationships of gonadotropins(rats)
- ** P01HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
- R01HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)
- ** P01HD-03352-07 0009 Wisconsin center on mental retardation - Embryo-uterine interrelationship (rats, monkeys)
- R01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
- R01HD-03968-14 Reproductive physiology in the Rhesus monkey
- R01HD-04083-06 Mammalian eggs and pheromones (mice)
- R01HD-04173-10 Androgen metabolism (human)
- R01HD-04375-04 Role of light in CNS-pituitary-gonadal control (rats)
- R01HD-04466-05 Development of male reproductive function (humans, primates, rodents)
- R01HD-04688-05 Effects of prepubertal stress on adult sexual behavior (rats)
- P01HD-05077-05 0005 Reproductive biochemistry and medicine - Pre- and postovulation plasma levels of steroids and gonadotropins (human)
- P01HD-05077-05 0006 Reproductive biochemistry and medicine - Negative feedback of steroids upon FSH and LH secretion (human, monkeys)
- ** P01HD-05077-05 0008 Reproductive biochemistry and medicine - Intraovarian control of ovary response to gonadotropins (monkeys)
- ** R01HD-05085-08 Biosynthesis and action of female hormones (human)
- ** R01HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
- R01HD-05276-04 Androgen in reproduction-Production and actions (human, mice)
- P01HD-05318-04 0001 Reproductive endocrinology - Assay development (human, rats, monkeys)
- ** P01HD-05318-04 0003 Reproductive endocrinology - Studies in humans
- ** P01HD-05318-04 0004 Reproductive endocrinology - Immunomorphology of hormone-target tissue interaction (rats, primates, human)
- ** P01HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
- ** P01HD-05671-03 0001 Center for population research - Corpus luteum function in Rhesus monkeys
- P01HD-05671-03 0003 Center for population research - Mechanisms of contraceptive action of copper wire in rats
- ** P01HD-05671-03 0010 Center for population research - Immunological aspects of reproduction (rats)
- ** P01HD-05671-03 0037 Center for population research - Biology of gonadotropin from human placenta (rats)
- R01HD-05730-04 Development of reproductive function(rats)
- ** R01HD-05862-04 Gonadotrophin control of human female meiosis (also monkeys, mice)
- ** R01HD-05865-03 Interaction of hormones of reproduction in the brain (rats, rabbits)
- P01HD-05969-03 0009 Events that control fertilization - Regulation of ovum transport in oviduct (rabbits, monkeys)
- R01HD-06104-03 Follicular maturation (human)
- R01HD-06209-03 Gonadotropin release and biological rhythms (women, men)
- R01HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
- R01HD-06233-03 Control of selective ovarian follicular growth (lizards)
- P01HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)
- ** P01HD-06276-03 0007 Mental retardation research program - Pre- and perinatal influence of gonadal steroids on behavior (rodents)
- R01HD-06284-03 Production rate of HGH and other hormones in growth (human)
- R01HD-06527-02 Control of testicular function (birds)
- ** R01HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
- P01HD-06645-03 0002 Center for population research - Corpus luteum function
- ** P01HD-06645-03 0004 Center for population research - Effect of pituitary and placental gonadotropins on ovary (monkeys)
- P01HD-06645-03 0008 Center for population research - Action of hypophysiotropic hormones on the anterior pituitary (rabbits)
- ** P01HD-06645-03 0009 Center for population research - Role of gonadotropins in pregnancy and in spermatogenesis (monkeys, sheep)
- ** P01HD-06645-03 0038 Center for population research - Role of gonadotropins and steroid hormones (amphibians, mammals)
- ** R01HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- ** R01HD-06664-02 Physiologic significance of LRF in reproduction (rats, sheep)
- ** R01HD-06672-03 Alterations in the mechanism of estrogen action (rats)
- R01HD-06708-03 Genetic mechanisms governing ovulation (mice)
- ** R01HD-06948-02 Endocrine correlates with prostaglandin F2A (cattle)
- R01HD-07088-02 Nutritional effects on serum gonadotropin in women
- P01HD-07110-02 0030 Biomedical center for population research - Relationship between plasma androgens and infertility in men and women
- R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- ** R01HD-07196-02 Isolation of circulating pituitary gonadotropins (rats)
- R01HD-07239-01 Characterization of a pineal anti-ovulatory compound (cattle, mice)
- ** P01HD-07495-02 0014 Center for population research, studies in reproductive biology - Control and regulation of spermatogenesis (rodents)
- ** P01HD-07495-02 0016 Center for population research, studies in reproductive biology - Mechanism of action of gonadotropins (rats)
- R01HD-07534-01 Cytogenetics of primate development (monkeys, rabbits)
- P01HD-07640-01 0003 Program project in reproductive biology - Progesterone in the primate brain-Gonadotropin secretion
- P01HD-07640-01 0006 Program project in reproductive biology - Relation of ovarian blood flow to steroid secretion (dogs, monkeys)
- ** R01HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
- ** R01HD-07711-01 Extra-ovarian control of gonadotropin secretion (rats)
- R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
- ** R01HD-07916-01 Neuroendocrine correlates of gonadotropin secretion (rats)
- R01HD-07929-01 Linear growth and pubertal maturation-Role of adrenal (human)
- R01HD-07972-01 Ovarian involution in aging (rats)
- R01HD-08279-01 Effects of aging on the CNS-Pituitary gonadal axis (rats)
- R01HD-08309-01 Population control research-Enzyme studies
- P01HD-08333-01 Hormones in reproduction (human)
- ** P01HD-08338-01 0001 Control of male reproduction - Testosterone and gonadotropins in development of aggression (mice)
- P01HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
- ** P01HD-08338-01 0003 Control of male reproduction - Gonadotropin secretion in LH and FSH clone cultures (mice)
- P01HD-08338-01 0004 Control of male reproduction - Hormonal control of spermatogenesis in vitro (rats)
- P01HD-08338-01 0007 Control of male reproduction - Hormonal control of steroidogenesis (rat testes)
- P01HD-08338-01 0011 Control of male reproduction - Hormonal control of spermatogenesis (rats)
- ** R01HD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
- ** R01HD-08364-01 Sex hormones and development of the gonadotrophic axis (rats, mice)
- R01HD-08636-01 Reproductive endocrine development in the monkey (rhesus)
- ** N01HD-22763-03 Biochemistry and mechanism of action of human gonadotropins
- ** N01HD-42848-00 Behavior modification practices by parents with mentally retarded children
- ** N01HD-42849-00 Isolation of gonadal cell membranes and gonadotropin binding sites
- N01HD-92107-07 Experimental studies on spermatogenesis (human, animals)
- N01HD-92220-09 Morphophysiological studies on mammalian gametes (mice, hamsters, monkeys)
- ** P01HL-14734-03 0007 Hormonal factors in atherosclerosis and hyperlipemia - Gonadotropins (human)
- R01HL-14873-02 Sickle cell disease-Biological effects of cyanate (human, mammals)
- R01HL-14990-02 Lipid transport (chickens)
- P01HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)
- P18HL-15997-02 0017 A comprehensive hospital-community sickle cell center - Pituitary function in sickle cell disease (human)
- R01HL-16512-01 Lipoprotein metabolism and hormonal regulation (chickens)
- P01MH-17565-03 0004 Genetics of the XYY phenomena in man - Endocrine investigations (human)
- R01MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
- R01MH-21044-04 Reproductive endocrinology of depression
- R01NS-01162-18 Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters)
- R01OH-06331-05 The sleep-waking cycle and its neuro-endocrine correlates (human)
- M01RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

MO1RR-00031-14 0054 General clinical research center - Hormonal control of fuel metabolism (human)
 MO1RR-00031-14 0073 General clinical research center - Control of human corpus luteum function
 ** MO1RR-00043-14 0011 General clinical research center - Regulation of gonadotropins in male (human)
 ** MO1RR-00050-13 0015 Wilson's disease - Changes in plasma gonadotropins during sleep (human)
 ** MO1RR-00051-13 0153 General clinical research center - Gonadal hormones and renin-angiotensin-aldosterone system (human)
 MO1RR-00052-13 0038 General clinical research center for children - Sexual precocity
 MO1RR-00075-11 0058 General clinical research center for children - Cryptorchidism and other testicular disorders
 MO1RR-00096-14 0056 Clinical research center - Effects of prostaglandins on thyroid function (human)
 MO1RR-00134-10 0060 General clinical research center - Effect of luteinizing hormone releasing factor in anovulatory women
 ** MO1RR-00134-10 0061 General clinical research center - Diurnal variation in gonadotropin in menopause (human)
 P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 ** MO1RR-00349-08 0034 General clinical research center - L-Dopa and release of pituitary hormones (human)
 ** MO1RR-00349-08 0053 General clinical research center - The induction of ovulation (human)
 ** MO1RR-00349-08 0054 General clinical research center - Human gonadotropin on ovarian function
 ** MO1RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
 ** MO1RR-00827-01 0035 General clinical research center - Gonadotropins and sex steroids in drug abuse
 MO1RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males
 MO1RR-00828-01 0030 General clinical research center - Use of clomiphene in evaluation of human pituitary function
 ** MO1RR-00847-01 0015 Clinical research centers - Serum and urine gonadotropin levels in abnormal sexual development (human)

REPRODUCTIVE HORMONES, GONADOTROPINS CHORIONIC

** RO1AM-01738-16 Proteins hormones in the body fluids of man
 RO1AM-08154-10 0002 Genetic control of hemoglobin synthesis - Genetic control of hemoglobin synthesis (hamsters)
 RO1AM-08943-09 Pituitary and pancreatic hormone regulation (rats, human)
 ** RO1AM-09579-09 Chemistry and localization of protein hormones (human)
 ** RO1AM-10273-08 Chorionic gonadotropin (human, sheep, rats)
 RO1AM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)
 RO1AM-16847-02 Fetal hb synthesis control and sickle cell anemia (human)
 P17AM-17026-01 0026 Vanderbilt University Diabetes-Endocrinology Center - Pituitary hormones-Structure, function and biotransformation
 RO1AM-17307-01 Hormone production in cultured endocrine cells (rats)
 NO1AM-42227-00 Evaluation of chelating agents in treatment of Cooley's anemia (dogs)
 RO1CA-02290-21 Purification and chemistry of protein hormones (human, animals)
 PO1CA-07304-11 0041 Steroid hormone production and metabolism in cancer - Endocrine function in gonadotropin deficiency (human)
 ** PO1CA-08748-09 5911 Research program of Sloan-Kettering Institute - Radioimmunoassay of pituitary and chorionic gonadotropin in endometrial cancer
 ** P02CA-13148-03 0002 Pilot cancer center - Hormone assays in gynecologic tumors
 RO1CA-13372-03 Prevention and treatment of trophoblastic disease
 ** RO1CA-13533-03 Ectopic placental proteins in cancer (human)
 ** RO1CA-13908-02 Gonadotropin-receptors in normal and neoplastic ovaries (human, cows, rats)
 ** RO1CA-14232-01 Mechanism of actinomycin D-Enhanced HCG secretion (tissue culture)
 NO1CB-43888-00 Evaluation of assays of circulating tumor associated antigens
 ** PO1HD-00781-11 0015 Studies on prematurity - Role of HCG in immunosuppression (sheep)
 ** NO1HD-02251-07 Human chorionic gonadotropin (HCG) studies
 RO1HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
 ** PO1HD-05077-05 0009 Reproductive biochemistry and medicine - Human gonadotropin and chorionic growth hormone prolactin
 RO1HD-05105-13 Pituitary-gonadal interrelationship (human)

PO1HD-05523-04 0005 Analysis of genetic effects on aging - Life span shortening effects of mutant alleles at the W locus (mice)
 ** PO1HD-05671-03 0007 Center for population research - Screening of compounds for antifertility activity (mammals)
 RO1HD-05938-03 Contraceptive regulation of corpus luteum function (human, swine, cattle)
 PO1HD-05969-03 0009 Events that control fertilization - Regulation of ovum transport in oviduct (rabbits, monkeys)
 RO1HD-06468-03 DNA and protein metabolism during oogenesis (amphibians)
 RO1HD-06467-03 Role of fetal-placental unit in maintenance of pregnancy (rats, monkeys)
 RO1HD-07036-02 Biochemistry of placental development and function (continued)
 PO1HD-07110-02 0022 Biomedical center for population research - Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman)
 ** RO1HD-07181-03 Placental thyrotropins biochemistry and physiology (human)
 RO1HD-07923-02 0004 Steroid hormone metabolism - Control of placental function (human)
 RO1HD-08099-01 Mode of action of luteinizing hormone (rats)
 ** RO1HD-08478-01 Primate endocrine regulation in the perinatal period
 MO1RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
 MO1RR-00052-13 0033 General clinical research center for children - Endocrinology-Diurnal variation of testosterone
 ** MO1RR-00055-13 0065 General clinical research center - Influence of chorionic gonadotropins in hypopituitarism (human)
 MO1RR-00059-13 0140 General clinical research center - Measurement of LH, FSH, estradiol and progesterone in menstrual disorders (human)
 MO1RR-00096-14 0056 Clinical research center - Effects of prostaglandins on thyroid function (human)
 MO1RR-00128-10 0043 General clinical research center for children - Human gonadotropins and testicular development
 MO1RR-00240-10 0077 General clinical research center - Children - Prepubertal gonadal response to HCG
 ** MO1RR-00349-08 0053 General clinical research center - The induction of ovulation (human)
 MO1RR-00425-06 0034 General clinical research center - Luteolytic activity of prostaglandins F2 and than salt U-14, 583E (human)
 MO1RR-00722-02 0027 General Clinical Research Center - Hypothalamic-pituitary control in ovulation and corpus luteum function (human)
 MO1RR-00722-02 0028 General Clinical Research Center - Retention of androgens in tissue in abnormal sex differentiation (human)

REPRODUCTIVE HORMONES, PLACENTAL HORMONES

SEE ALSO REPRODUCTIVE HORMONES, CHORIONIC SOMATOMAMMOTROPIN
 SEE ALSO REPRODUCTIVE HORMONES, GONADOTROPINS CHORIONIC
 RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
 P02CA-13148-03 0002 Pilot cancer center - Hormone assays in gynecologic tumors
 RO1CA-13533-03 Ectopic placental proteins in cancer (human)
 ** P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
 PO1HD-05615-04 0006 Developmental biology in mental retardation - Maternal and fetal risk factors (human, sheep)
 ** RO1HD-05659-04 0002 Fetal growth and development - Role of placental hormones in regulation of uterine blood flow (swine)
 RO1HD-07036-02 Biochemistry of placental development and function (continued)
 ** RO1HD-07181-03 Placental thyrotropins biochemistry and physiology (human)
 RO1HD-07197-02 Steroid dynamics, (human, mammals)
 PO1HD-08235-01 Hormonal regulation of the reproductive tract
 MO1RR-00048-13 0030 Clinical center - Carbohydrate metabolism and placental hormone in trophoblastic disease (human)

REPRODUCTIVE HORMONES, RELAXIN

RO1CA-12519-03 Identity and radioassay of prolactin in breast cancer (human)
 ** RO1DE-03470-03 Protein turnover in dental pulp and periodontal tissues (cattle)
 RO1HD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)
 ** RO1HD-08633-02 Radioimmunoassay of relaxin and its applications (human, sheep)
 PO1HD-06645-03 0028 Center for population research - Uterus physiology, smooth muscle of male and female reproductive tract
 ** RO1HD-08552-01 Role of relaxin in gestation and parturition (swine, rabbits, rodents)

REPRODUCTIVE HORMONES, SEX HORMONES

SEE ALSO ANDROSTANE SERIES
 SEE ALSO ANDROSTANE SERIES, ANDROGENS
 SEE ALSO ESTRADIENE SERIES, ESTROGENS
 SEE ALSO PROGESTERONE
 SEE ALSO PROGESTINS
 RO1AI-08651-06 Sex factors in susceptibility to infectious diseases (mice)
 ** RO1AM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
 ** RO1AM-03370-15 Factors influencing pituitary-adrenal function (rodents)
 RO1AM-07467-11 Neurochemistry of diencephalon (rats, rabbits, pigs)
 RO1AM-08469-11 Hereditary diabetes insipidus (mice)
 RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
 ** RO1AM-08461-09 Macromolecular synthesis in accessory genital organs (mammals)
 RO1AM-10188-09 Hormonal regulation of metabolism (dogs)
 RO1AM-10305-09 Metabolic effects of insulin antagonism and deficiency (human, rats)
 RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
 RO1AM-10913-08 Factors affecting renal physiology in the newborn (dogs, rats, rabbits, monkeys)
 RO1AM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli)
 RO1AM-15498-03 Hepatotoxicity of tetracyclines and other drugs (rats)
 PO1AM-15515-03 0002 Psoriasis biology, psoriasis genetics and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
 RO1AM-16198-01 Biology and pathophysiology of nail diseases (human, rats, monkeys)
 RO1AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks
 RO1AM-17360-01 Liver pathology in experimental porphyria (rats, chick embryo)
 RO1AM-17672-01 Regulation of kidney transaminase activities (rat)
 P02CA-05826-13 0080 Clinical cancer research center - Endometrial and breast cancer (human)
 PO1CA-12707-03 0001 Cancer epidemiology program grant - Prostate cancer (human)
 ** RO1CA-13410-02 Mechanism of hormone action on target cells in culture (human, rats, mice)
 PO1CA-14599-01 0016 University of Chicago Cancer Research Center - Development and aging of canine prostate-Induction of prostatic carcinoma
 ** RO1CA-15648-01 Steroid dynamics in human, endometrial cancer (human)
 R26CA-16370-01 Chemical carcinogenesis of the colon (rats)
 MO1CP-22047-02 Interaction between chemical and viral carcinogens (human, hamsters)
 ** R23DE-03866-01 Effects of sex steroids on gingival glycosaminoglycans
 ** R23DE-03947-01 Female sex hormone mechanism in pregnancy gingivitis
 ** PO1GM-16492-06 0021 Design of chemotherapeutic agents - Possible hormonal control of sexual maturation of female schistosomes (mice)
 ** RO1GM-19258-02 Regulation of gene expression by sex hormones (human, mice, chickens)
 RO1GM-21350-01 Steroids and other biologically active substances in plants (fungi, ferns)
 RO1GM-21889-01 Regulation of cell surface glycoproteins (Hansenula)
 RO1HD-00371-20 Hormonal function in growth and development in childhood (human)
 RO1HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)
 ** RO1HD-00850-17 Sexual hormones of Achlya bisexualis
 RO1HD-00867-12 Hormonal and neural correlates of reproductive behavior (rats, hamsters)
 RO1HD-00893-11 Hormonal control of behavior (rodents)
 RO1HD-02138-12 Central nervous system regulation of reproduction (rats)
 ** RO1HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
 ** RO1HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
 ** RO1HD-02455-08 Metabolic and endocrine effects of peptide hormones (human, monkeys)
 ** PO1HD-02881-07 0004 Developmental and behavioral neuroendocrinology - Sexual dimorphism and sexual differentiation (squirrel monkeys)
 ** RO1HD-03159-07 Hypophysial response to estrogens and progestins (human, monkeys, cattle, rats)
 PO1HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophysial-gonadal axis (rats, human)
 ** PO1HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 RO1HD-04354-22 Mechanisms of hormone action (rats)
 RO1HD-04355-09 Chromosome studies of mammalian embryos (cats, dogs, cattle, horses, pigs)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 †† Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** R01HD-04467-04 Hormonal regulation of behavior (guinea pigs, doves)
 ** R01HD-04482-05 Endocrine factors in social behavior (doves)
 R01HD-04522-05 Biopsychology of reproduction (rats)
 R01HD-05077-05 0010 Reproductive biochemistry and medicine - Antibodies to steroids (rats, monkeys)
 R01HD-05154-03 Endometrial-blastocyst interrelationships (rabbits)
 ** P01HD-05318-04 0003 Reproductive endocrinology - Studies in humans
 R01HD-05751-04 Brain mechanisms of reproductive behavior (rats, other vertebrates)
 ** P01HD-05969-03 0005 Events that control fertilization - Sex steroids, follicular growth and ovulation (monkey, guinea pig, goat, rabbit)
 P01HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques
 ** P01HD-05969-03 0011 Events that control fertilization - Selection of sexual partners by female pigtail macaques
 ** P01HD-05969-03 0012 Events that control fertilization - Dependence of sexual behavior on gonadal steroids (Lemur catia)
 P01HD-05969-03 0013 Events that control fertilization - Sexual behavior of the male rhesus
 R01HD-06106-03 Changes in cell type and structure in developing bone (rats)
 P01HD-06268-02 Hopkins population center
 ** P01HD-06645-03 0013 Center for population research - Effects of sex steroids on enzymes of the uterine lining
 ** R01HD-07071-01 Biochemical factors in behavioral sex differences
 ** P01HD-07110-02 0024 Biomedical center for population research - Gametes (human, monkeys)
 ** R01HD-07422-02 Regulation of pineal enzymic activity by sex steroids (quail)
 P01HD-07495-02 0004 Center for population research, studies in reproductive biology - Steroid interactions with target tissue receptors (chickens, rats)
 ** P01HD-07495-02 0010 Center for population research, studies in reproductive biology - Sex-steroid induced differentiation of avian urogenital system (chickens)
 P01HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)
 R01HD-07496-01 Environmental and hormonal control of estrus (hamsters)
 R01HD-07602-02 Neural influence on hypophyseal-gonadal function (monkeys, rats)
 ** R01HD-07830-03 Prolactin secretions and its reproductive function (sheep)
 ** R01HD-07857-03 Sex hormone receptor components and the cell genome (chicks, human, guinea pigs)
 R01HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 R01HD-08281-01 Neuroendocrine regulation of reproductive behavior (rats)
 ** R01HD-08364-01 Sex hormones and development of the gonadotrophic axis (rats, mice)
 ** N01HD-22728-03 Sex steroids and nutritional status
 ** N01HD-42825-00 Sex hormone receptors in the cervix (human)
 R01HL-02033-20 Regulation of cholesterol esters in blood and tissues (dog, rat, cattle, human)
 ** P01HL-06835-13 0003 Cardiovascular disease - Factors regulating angiotensin levels in plasma (rats)
 R01HL-11391-07 Experimental basis for shock therapy (rats, human)
 R01HL-12745-06 0004 Enzymes and inhibitors of cholesterol biosynthesis - Leukocyte monitoring of lipid metabolism and anticholesterol drugs (human)
 R01HL-12766-05 Structure-function relation of blood vessels (human, dogs, rats)
 ** P01HL-13979-04 0019 Cardio-pulmonary-renal program - Sex hormones and arterial subendothelial connective tissue (human, rabbits)
 R01HL-14847-03 Anticoagulants and metabolism of vitamin K
 R01HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)
 R01HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)
 R01MH-02271-17 Psychological studies of behavior (ring doves)
 ** R01MH-04000-14 Determinants of species-Specific behavior (dogs, rodents, quail)
 R01MH-08604-11 0001 Psychobiology of maternal behavior - Development during pregnancy and parturition (rats)
 R01MH-08909-11 Physiological regulation of body weight (rats)
 R01MH-13189-08 Mechanisms of motivation, learning and development (human, rats)
 ** R01MH-15631-07 Acceleration of antidepressants by thyroid hormone (human, rats)
 R01MH-15965-04 Infant attachment and maternal loss (monkeys)
 R01MH-17384-05 Physiological bases of social behavior (chickens)

M R01MH-19506-03 Hormones, the brain and primate behavior
 R01MH-19506-03 0001 Hormones, the brain and primate behavior - Relationship between sexual initiating behavior and motivational state
 R01MH-19506-03 0003 Hormones, the brain and primate behavior - Redirection of aggression
 R01MH-19506-03 0004 Hormones, the brain and primate behavior - Relation between sexual invitations and aggression
 R01MH-19506-03 0006 Hormones, the brain and primate behavior - Dominance-submission relationships
 R01MH-19506-03 0007 Hormones, the brain and primate behavior - Individual partner preferences
 R01MH-19506-03 0008 Hormones, the brain and primate behavior - Male attractant pheromones
 ** R01MH-19837-03 Behavioral and endocrine coordination (monkeys)
 ** R01MH-20190-03 Effect of gonadal hormones on behavior (rats, mice)
 ** R01MH-21178-03 Physiological aspects of mating behavior (rats)
 ** R03MH-25425-01 Neuropsychology of territorial behavior (gerbils)
 R03MH-25947-01 Seasonal effects on reproductive states
 R01NS-09226-04 Brain nuclear and mitochondrial RNA and protein synthesis (rats)
 ** R01NS-10027-03 0001 Neuroendocrine and behavioral correlates of aging - Ovarian hormones in development, systems mediating sex behavior (rats)
 ** R01NS-10027-03 0002 Neuroendocrine and behavioral correlates of aging - Modification by neonatally administered androgen (rats)
 R01NS-10027-03 0003 Neuroendocrine and behavioral correlates of aging - Aging process in systems mediating sexual behavior (rats)
 R01NS-10027-03 0004 Neuroendocrine and behavioral correlates of aging - Central nervous system lesions and aging of systems mediating sex behavior (rats)
 R01NS-10027-03 0006 Neuroendocrine and behavioral correlates of aging - Influence of exposure to ovarian hormones prepuberally (rats)
 ** R01NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
 ** R01NS-10973-02 Anatomy and physiology of cerebellar pathways (animals)
 ** R01NS-11507-01 Central nervous regeneration-Hormonal influences (cats, rats)
 P01NS-11631-01 0059 Clinical center for research on Parkinson's and allied diseases - Sex difference in alcohol metabolism (mice)
 M01RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)
 ** M01RR-00044-14 0096 General clinical research center - Monozygotic twins discordant for SLE (human)
 M01RR-00052-13 0038 General clinical research center for children - Sexual precocity
 M01RR-00084-12 0031 General clinical research center-children - Control factors in timing of sexual maturation
 M01RR-00585-03 0008 General clinical research center - Sex hormones, calcium, vitamin D and sodium fluoride for osteoporosis (human)
 M01RR-00645-03 0040 Clinical research center - Gonadotropins, ACTH and sex hormones in sex development disorders (human)
 ** M01RR-00827-01 0035 General clinical research center - Gonadotropins and sex steroids in drug abuse

REPRODUCTIVE HORMONES, SEX HORMONES ANALOGS
 SEE ALSO ANDROSTANE SERIES, ANDROGENS ANALOGS
 SEE ALSO ESTRADIENE SERIES, ESTROGENS ANALOGS
 SEE ALSO FERTILITY, ANTIFERTILITY DRUGS
 SEE ALSO PROGESTERONE ANALOGS
 ** P01HD-05797-04 0014 Population and reproductive biology - Steric demand of the progesterone receptor from chick oviduct

REPRODUCTIVE HORMONES, UTERUS HORMONES
 R01HD-05680-03 Steroid binding proteins and hormonal mechanisms (rabbits, human)

REPRODUCTIVE SYSTEM
 R01AI-08240-07 Accessory reproductive secretions (cockroaches)
 ** R01AM-15521-03 0004 Nutritional and metabolic effects of fluorides - Possible essentiality of fluoride in the mouse
 P02CA-08832-08 0126 An integrated study of advanced malignant diseases - Results of radiation of genito-urinary tract in leukemia
 ** R26CA-15551-01 Virology and immunology of cancer of the human urothelium
 P01ES-00040-10 0006 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (rats, birds)
 R01HD-04543-04 Pre-fertilization phenomena in hydroids
 ** R01HD-07385-01 Immunogenetics and reproduction in Rhesus monkeys (also human)
 M P01HD-07495-02 Center for population research, studies in reproductive biology

** P01HD-07495-02 0001 Center for population research, studies in reproductive biology - Estrogen regulation of reproductive tissue growth and differentiation (chickens)
 ** P01HD-07495-02 0006 Center for population research, studies in reproductive biology - RNA polymerase regulation in tissues for reproductive hormones (rats, chickens)
 P01HD-07495-02 0011 Center for population research, studies in reproductive biology - Progesterone in relation to receptor molecule (rats, chickens, human)
 ** P01HD-07495-02 0018 Center for population research, studies in reproductive biology - Regulation of protein synthesis in reproductive tissues
 P01HD-07495-02 0019 Center for population research, studies in reproductive biology - Chromatin proteins in growth of reproductive tissues (chickens)
 P01HD-07495-02 0020 Center for population research, studies in reproductive biology - Nuclear membrane in reproductive tissue (chickens)
 ** P01HD-07495-02 0022 Center for population research, studies in reproductive biology - Structure and function of chromosomes in reproductive tissues (chickens)
 P01HD-07495-02 0023 Center for population research, studies in reproductive biology - Cell hybridization (human, mice)
 ** P01HD-07495-02 0024 Center for population research, studies in reproductive biology - Analysis of cell proliferation in reproductive tissues (chickens)
 ** P01HD-07495-02 0025 Center for population research, studies in reproductive biology - Culture of endocrine reproductive cells (chickens, rats, human)
 ** R01HD-08622-01 Development of reproductive organs in mammals (rats, dogs, monkeys, human)
 R23HL-17219-01 Steroid modification of the newborn lung (rabbits)
 P01NS-11255-01 0002 Comparative neurobiology (aphasia, fish, sea lions) - Neurobiology of reproduction in apysia
 N01RR-42141-00 Ecology and breeding of sub-human primates

REPRODUCTIVE SYSTEM, GONADS
 SEE ALSO PITUITARY-GONADAL AXIS
 SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS
 SEE ALSO REPRODUCTIVE SYSTEM FEMALE, OVARY
 SEE ALSO REPRODUCTIVE SYSTEM MALE, TESTIS
 ** R01AM-03270-15 Steroid intermediate metabolism (human, primates)
 R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
 ** P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
 M01CP-33379-01 Factors of the prostate
 P01GM-15422-07 0012 Program project in genetics - Genetic effects of irradiation (rats)
 R01HD-02371-08 Hormone control of the mammary gland (human, animals)
 P01HD-03015-08 0004 Program for developmental biology - Primary germ cell differentiation (chick embryos, mosquitoes)
 R01HD-04064-06 Role of steroid sulfates in gonadal tissue (human, sheep, rats)
 P01HD-05671-03 0045 Center for population research - Sex determination in xenopus
 P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
 R01HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
 R01HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
 R01HD-06720-02 Fetal hypophyseal-gonadal relationships
 R01HD-06836-01 Reproductive endocrine development in the monkey (rhesus)
 ** R01HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
 ** N01HD-42849-00 Isolation of gonadal cell membranes and gonadotropin binding sites
 M01HD-42850-01 Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human)
 P01NS-11642-01 0010 Basic and clinical neuroendocrinology - Fine structural correlates of pineal gland function (hamsters)
 M01RR-00055-13 0074 General clinical research center - Gonadal function in uremia (human)
 ** M01RR-00240-10 0077 General clinical research center-Children - Prepubertal gonadal response to HCG

REPRODUCTIVE SYSTEM FEMALE
 ** R01AI-11199-02 Bacterial interference in gonorrhoea (human)
 R01CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)
 R01CA-11628-05 Steroid-protein interactions and human breast cancer (rats)
 R01DE-01764-12 Ultrastructural aspects of calcification (birds, rats)
 ** R01FD-00654-03 F2 effects from x-ray of human female fetuses
 ** P01GM-15422-07 0002 Program project in genetics - Reproductive physiology (sheep, swine, cattle)
 N01HD-02142-04 Ultrastructural studies on the oviduct (rabbits, monkeys)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** P01HD-05969-03 0006 Events that control fertilization - Function of androgens in female reproduction (monkeys)
- P01HD-05969-03 0012 Events that control fertilization - Dependence of sexual behavior on gonadal steroids (Lamur cat)
- R01HD-06633-02 Radioimmunoassay of relaxin and its applications (human, sheep)
- ** P01HD-06645-03 0001 Center for population research - Physiological regulation of the female reproductive system
- ** P01HD-06645-03 0003 Center for population research - Hormones, implantation, pregnancy (monkeys)
- ** P01HD-07110-02 0024 Biomedical center for population research - Gametes (human, monkeys)
- N01HD-92220-09 Morphophysiological studies on mammalian gametes (mice, hamsters, monkeys)
- R01HL-14112-03 Estrogenic effects of blood vessels-A dichotomy (primates)
- ** R03MH-24483-01 Behavioral environmental effects on sexual maturation (mice)
- ** P01NS-10299-03 0023 Biophysical and biochemical studies of cellular membranes - Diversity of intercellular contacts in the rat ovary
- ** P07RR-00267-09 0106 Biomedical data processing unit - Menstrual and reproductive history

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS

SEE ALSO BODY FLUIDS, MILK
SEE ALSO NUTRIENT INTAKE ACTIVITY, BREAST FEEDING
SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS
SEE ALSO REPRODUCTIVE SYSTEM SURGERY, BREAST SURGERY

- R01AI-12166-01 Processing of secretory IgA in the mammary gland (rabbits)
- R01AM-04652-14 Intestinal absorption of mineral ions (chickens)
- R01AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)
- ** R01AM-11748-07 0005 Regulation of metabolic processes - Metabolism of mammary glands (rats)
- R01AM-13217-06 Secretion and metabolism of prolactin (sheep, rats)
- R01AM-15186-06 Regulation of pyrimidine biosynthesis in the rat
- R01AM-16073-01 Structure and specificity of lipogenic enzymes
- R01CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)
- R01CA-04519-15 Physiological role of estrogen sulfates (rats)
- R01CA-08518-07 Lysosomal enzymes in x-irradiated tumor cells
- P02CA-11051-06 0033 Clinical radiation research center - Radiosensitivity of the stimulated breast (guinea pigs)
- R01CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
- ** P01CA-12376-03 0020 Environmental carcinogenesis - Mammary gland carcinogenesis (rats)
- R01CA-12836-03 Biochemical basis of hormone responsiveness in breast (human, rats)
- ** R01CA-13186-02 Chemical blockade of iodine-Mammary gland responses (rats)
- ** R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- P02CA-14520-02 0032 Wisconsin Clinical Cancer Center - In-situ factors affecting the differentiation of malignant mammary cells
- ** R01CA-14705-01 Radioiodine uptake and imaging in the human breast
- P01CA-14801-02 0007 Chemotherapy and regulation of oncogenic viruses - EM of virus in witch's milk from nursing infants (human, monkeys)
- R26CA-15448-01 Characterization of prostatic carcinoma among blacks
- P01CA-15823-01 0005 Program in developmental biology of cancer - Lysis of basement membranes in neoplastic tissues (mice)
- R01CA-16207-01 Characterization of malignant cell variants
- R01CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- R01CA-17131-07 Regulation of pyrimidine biosynthesis in the rat
- ** N01CB-23861-02 Hormonal requirements of normal and abnormal human mammary tissue
- ** N01CB-23874-03 Hormone-mediated differentiation of mouse mammary epithelium
- ** N01CB-23875-02 Control DNA synthesis in the mammary gland
- ** N01CB-33882-01 Application of breast pump to obtain breast secretions (human)
- ** N01CB-33883-01 Embryonic mammary gland and androgenic hormones (mice)
- ** N01CB-33898-02 Cultivation of normal and malignant human mammary cells
- ** N01CB-33906-01 Cell types in cultures of normal and neoplastic breast tissues (human, animals)
- ** N01CB-33907-01 Mammary gland in pseudohermaphroditic rats and mice

- ** N01CB-33908-01 Mammary epithelial cell membrane (mice, rats)
- ** N01CB-33912-01 Biochemical means by which effector molecules bind to mammary cell (human)
- N01CB-33918-01 Role of prostaglandins in mammary gland neoplasia (human)
- N01CB-33920-02 Determine role of prostaglandins in normal and abnormal mammary glands (mice)
- R01GM-18760-03 Characterization of membrane lipoproteins (rats, cattle)
- R01GM-19568-07 Pharmacokinetics and salicylate elimination in children
- R01GM-20338-07 Histone biochemistry and the influence of hormones (rats)
- ** P01HD-00781-11 0011 Studies on prematurity - Regulation of uterine and mammary blood flow (sheep)
- ** R01HD-02371-08 Hormone control of the mammary gland (human, animals)
- R01HD-04028-06 Neurohypophysal hormones in pregnancy and puerperium (rats, rabbits)
- ** R01HD-04164-05 Aging of mammary epithelium (mice)
- ** R01HD-05750-03 Cortisol receptors in cultured mammary cells (cattle)
- R01HD-06007-03 Metabolism of myoinositol during development (rats)
- R01HD-06007-03 0002 Metabolism of myoinositol during development (rats) - Myoinositol activity in mammary glands
- ** R01HD-06419-03 Hormonal control of lactogenesis (rats)
- ** R01HD-06422-03 Mitochondrial biogenesis in the mammary explant (mice)
- ** R01HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
- P01HD-07110-02 0004 Biomedical center for population research - Estrogen binding proteins (calves)
- ** N01HD-22729-06 Repository for tissue evaluation of contraceptive steroids (monkeys, dogs)
- N01HD-32705-02 Pharmacopathologic effects of MPA in the beagle bitch

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION

- R01AA-00297-03 Zygotic and uterine mediated effects of alcohol (mice)
- R01AM-04784-14 Control of secretion of hypothalamic hormones
- R01AM-05655-14 The physiology of growth hormone (primates)
- R01AM-05976-13 Carbohydrate and ketone body metabolism (sheep)
- R01AM-06011-13 0008 Diet control of lipid metabolism - Serum cholesterol adaptation to diet cholesterol (baboons)
- R01AM-06011-13 0011 Diet control of lipid metabolism - uppression of fatty acid synthetase by linoleate
- R01AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
- P01AM-06704-12 0004 Neural and humoral control of endocrine function - Reproductive neuroendocrinology (rats)
- ** R01AM-07672-11 Metabolic changes during early lactation (rats, cattle)
- R01AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)
- R01AM-08546-10 Ketogenesis in the ruminant (cattle, goats)
- R01AM-11662-06 Biosynthesis of ergot alkaloids (fungi)
- R01AM-11748-07 0005 Regulation of metabolic processes - Metabolism of mammary glands (rats)
- ** R01AM-15899-03 Control of bovine serum prolactin concentration (cattle)
- R01AM-17489-01 Fatty acid synthesis-Chain length modifier protein (rats)
- ** R01CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)
- R01CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
- R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- ** R01DA-00111-02 Chronic THC-Effects of brain development (mice)
- R01ES-00820-02 Toxicity of organic mercury for the fetus and newborn (human, monkeys)
- R01EY-01060-04 Cataract from a vegetable protein-based diet (rats)
- P01GM-15422-07 0004 Program project in genetics - Immunogenetics and immunoreproduction (cattle)
- M P11GM-16216-06 Toxicological problems of drugs (placental transfer, lactation)
- P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
- ** P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)
- ** P11GM-16216-06 0042 Toxicological problems of drugs (placental transfer, lactation) - Breast milk analysis by single ion detection
- R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)
- R01HD-01743-09 Nutritional factors in mammalian development (rats, monkeys)

- N01HD-02310-05 Regulate changes in corpus luteum physiology in the rat
- ** R01HD-02371-08 Hormone control of the mammary gland (human, animals)
- ** P01HD-02881-07 0003 Developmental and behavioral neuroendocrinology - Psychobiology of lactation (rabbits, squirrel monkeys)
- ** R01HD-03968-14 Reproductive physiology in the Rhesus monkey
- R01HD-04028-06 Neurohypophysal hormones in pregnancy and puerperium (rats, rabbits)
- ** R01HD-04358-15 Neural and hormonal regulation of lactation (rats)
- R01HD-04688-05 Effects of propuperal stress on adult sexual behavior (rats)
- R01HD-05637-03 Reproductive cycles and social behavior of primates (monkeys)
- R01HD-05750-03 Cortisol receptors in cultured mammary cells (cattle)
- P01HD-05969-03 0011 Events that control fertilization - Selection of sexual partners by female pigtail macaques
- R01HD-06007-03 Metabolism of myoinositol during development (rats)
- ** R01HD-06007-03 0002 Metabolism of myoinositol during development (rats) - Myoinositol activity in mammary glands
- P01HD-06364-03 0002 Maternal protein restriction and mental retardation - Pre- and post-natal malnutrition and brain protein metabolism (rats)
- ** R01HD-06419-03 Hormonal control of lactogenesis (rats)
- ** R01HD-06422-03 Mitochondrial biogenesis in the mammary explant (mice)
- R01HD-06571-03 Hormonal control of metabolism in the mammary gland (mice)
- R01HD-06863-02 Hormonal and sensory control of maternal aggression (mice)
- R01HD-06872-02 Endocrine regulation of maternal behavior (rats)
- R01HD-06907-02 Pituitary hormones and brain amines during reproduction (rats)
- R01HD-06962-02 Effect of dietary PUFA-vitamin E on dam and progeny (swine)
- ** P01HD-07110-02 0031 Biomedical center for population research - Pup attracting pheromone of lactating rats
- R01HL-03632-16 Structure and synthesis of milk lipids (ruminants, rats)
- R03MH-25353-01 Maternal behavior and early experience (rats)
- M01RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)
- ** M01RR-00040-14 0101 General clinical research center - Effect of oral synthetic thyrotropin releasing hormone on lactation (human)
- M01RR-00051-13 0081 General clinical research center - Regulation of prolactin secretion (human)
- ** M01RR-00628-04 0050 General clinical research center for children - Human breast milk drug studies
- P06RR-00640-03 0001 Nutritionally defined gnotobiotic development and use - Chemically defined water-soluble diet for reproducing germ free mice
- M01RR-00833-01 0009 General clinical research center - Prolactin secretion in man

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, MILK EJECTION (REFLEX)

- R01GM-18752-03 Solid-phase peptide synthesis (animals)

REPRODUCTIVE SYSTEM FEMALE, OVARY

- SEE ALSO REPRODUCTIVE SYSTEM DISORDERS FEMALE, OVARIAN DISORDERS
SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, OVARY NEOPLASMS
SEE ALSO REPRODUCTIVE SYSTEM SURGERY FEMALE, OVARIECTOMY
- R01AI-11909-01 Control of reproduction in the mosquito
 - R01AM-02131-17 0008 Trace lipids in cell function - Steroids
 - R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)
 - R01AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
 - P02CA-05826-13 0081 Clinical cancer research center - Reproductive function in females with Hodgkin's disease
 - P02CA-07357-10 0020 Special children's cancer center program - Natural history of acute leukemia
 - R01CA-10619-06 Synchronized cells-Controls in growth and division (hamsters)
 - R01CA-10935-12 Steroid hormone metabolism and tumorigenic action (mice)
 - P02CA-11602-05 0001 Research and clinical radiation center - Chinese hamster ovary fibroblasts
 - P02CA-11602-05 0002 Research and clinical radiation center - Mitotic cell selection for cell cycle analysis
 - P02CA-11602-05 0003 Research and clinical radiation center - Repair kinetics of radiation induced cell division delay
 - P02CA-11602-05 0004 Research and clinical radiation center - Use of lucanthone in cell cycle analysis
 - P02CA-11602-05 0005 Research and clinical radiation center - Radiosensitivity and radiation repair kinetics of diploid tetraploid cho cells

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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P02CA-11602-05 0006 Research and clinical radiation center 2 Interaction of hyperthermic damage with radiation damage

** P02CA-11602-05 0007 Research and clinical radiation center - Chinese hamster ovary fibroblasts in vivo (hamsters)

R10CA-13630-03 Gynecologic oncology group

P01ES-00481-03 0003 Subcellular pathology of heavy metals - Lead effects on testis (dogs)

P11GM-12675-10 0052 Biochemical toxicology and pharmacology - Adrenodoxin in hydroxylations mediated by cytochrome P-450 (mammals, human)

R01HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)

R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)

** R01HD-01182-12 Ovarian-hypothalamic-hypophyseal axis (rats)

R01HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)

** P01HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)

** P01HD-03015-08 0010 Program for developmental biology - Reproductive biology of oocytes (mosquitoes, chickens)

P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophyseal-gonadal axis (rats, human)

R01HD-03752-05 0008 Mammalian reproduction - Behavior of oogenesis and oocytes in tissue and organ culture (mice)

** R01HD-03752-05 0011 Mammalian reproduction - Cultured ovaries implanted in kidneys of ovariectomized mice

** P01HD-05077-05 0004 Reproductive biochemistry and medicine - Androgens during menstrual cycle (human)

P01HD-05077-05 0007 Reproductive biochemistry and medicine - Positive feedback of estrogens and progesterone on LH (human, monkeys)

** P01HD-05077-05 0008 Reproductive biochemistry and medicine - Intraovarian control of ovary response to gonadotropins (monkeys)

R01HD-05085-08 Biosynthesis and action of female hormones (human)

P01HD-05318-04 0002 Reproductive endocrinology - Studies in rats

P01HD-05318-04 0003 Reproductive endocrinology - Studies in humans

** P01HD-05318-04 0004 Reproductive endocrinology - Immunomorphology of hormone-target tissue interaction (rats, primates, human)

** R01HD-05414-03 Steroid biochemistry of the hypothalamic-ovarian axis (rats, human)

R01HD-05622-04 Factors controlling the timing of LH release (rats, rabbits)

** R01HD-05697-02 A polypeptide influencing ovarian function (rodents)

** P01HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)

P01HD-05797-04 0034 Population and reproductive biology - Histology and photography

R01HD-05866-03 Effect of prostaglandins on ovarian function (human)

R01HD-05948-01 Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human)

** P01HD-05969-03 0003 Events that control fertilization - Metabolism and metabolic control of ovary (Rhesus monkey)

P01HD-05969-03 0005 Events that control fertilization - Sex steroids, follicular growth and ovulation (monkey, guinea pig, goat, rabbit)

** P01HD-05969-03 0008 Events that control fertilization - Effects of prostaglandins on systemic and regional blood flow (rabbits, monkeys)

** P01HD-05969-03 0009 Events that control fertilization - Regulation of ovum transport in oviduct (rabbits, monkeys)

R01HD-06047-03 Uterine sensitivity and its associated phenomena (rats)

R01HD-06104-03 Follicular maturation (human)

P01HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)

R01HD-06380-03 Biogenic amines in ovulation and implantation (rats)

R01HD-06701-03 Mechanisms of puberty (rats)

R01HD-06822-03 Studies on comparative cytology (rabbits, mice, invertebrates)

R01HD-06926-01 Neural regulation of sex behavior in the female (rats)

R01HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)

** P01HD-07110-02 0001 Biomedical center for population research - Biology of sperm, ovary and oviduct (mammals)

P01HD-07110-02 0028 Biomedical center for population research - Biogenic amines (human, baboons, monkeys)

R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)

** R01HD-07194-01 Cellular mechanisms in ovulation and spawning (frogs, starfish)

R01HD-07504-02 Environmental and hormonal interplay of ovulation (rats, mice)

** R01HD-07602-02 Neural influence on hypophyseal-gonadal function (monkeys, rats)

P01HD-07640-01 0001 Program project in reproductive biology - Mechanism of action, progesterone in the mammalian uterus-Uteroglobulin (rabbit)

** P01HD-07640-01 0006 Program project in reproductive biology - Relation of ovarian blood flow to steroid secretion (dogs, monkeys)

R01HD-07915-01 Development and parturition of headless porcine fetuses

R01HD-07923-02 0003 Steroid hormone metabolism - Biosynthesis in ovarian corpus luteum (monkeys, human)

** R01HD-07972-01 Ovarian involution in aging (rats)

R01HD-08099-01 Mode of action of luteinizing hormone (rats)

** R01HD-08129-01 and ovary (sheep)

R01HD-08180-01 LH receptor sites in luteal cells, lutetrophic factors (cattle)

** R01HD-08202-02 fetus

R01HD-08281-01 Neuroendocrine regulation of reproductive behavior (rats)

R01HD-08309-01 Population control research-Enzyme studies

NO1HD-22775-02 Immunological studies on steroid-producing cells (human, monkeys, rabbits)

** NO1HD-42828-01 Production and distribution of human diploid cell strain

** NO1HD-92091-11 Production and distribution of human diploid cell strain

NO1HD-92103-11 Biochemical requirements for fertilization (rabbits, cattle)

NO1HD-92220-09 Morphophysiological studies on mammalian gametes (mice, hamsters, monkeys)

R01HL-14990-02 Lipid transport (chickens)

** P01RS-10299-03 0024 Biophysical and biochemical studies of cellular membranes - Septate-like junctions in the stratum granulosum and theca interna (rats)

** P01RS-10299-03 0025 Biophysical and biochemical studies of cellular membranes - Granules and luteal cells in monolayer culture (swine)

** MO1RR-00035-14 0115 General clinical research center - Ovarian function-androgen formation (human)

MO1RR-00044-14 0096 General clinical research center - Monozygotic twins discordant for SLE (human)

** MO1RR-00210-10 0041 General clinical research center - Maternal-child - Dynamics of ovarian steroid production

** MO1RR-00261-09 0084 General clinical research center - Prostaglandin and ovarian function (human)

MO1RR-00318-08 0065 General clinical research center - Response of ovary and trophoblast to PG2 in early pregnancy

** MO1RR-00349-08 0054 General clinical research center - Human gonadotropin on ovarian function

MO1RR-00749-02 0043 General clinical research center - Response of ovary and trophoblast to prostaglandin in early pregnancy (human)

NO1RR-42141-00 Ecology and breeding of sub-human primates

REPRODUCTIVE SYSTEM FEMALE, OVARY, CORPUS LUTEUM

R01AM-10081-09 Mode of action and synthesis of progestational hormones (human)

** P02CA-15145-01 0002 Cancer center support grant - Prostaglandin and LH action in corpus luteum

P01GM-15422-07 0002 Program project in genetics - Reproductive physiology (sheep, swine, cattle)

R01HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)

** R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)

** R01HD-00739-09 Functioning of corpora lutea (swine)

** R01HD-02149-04 Control of ovulation and corpus luteum function (rodents)

** NO1HD-02310-05 Regulate changes in corpus luteum physiology in the rat

P01HD-02528-08 0051 Research center in mental retardation - Hormonal regulation of ovarian function (mammals)

R01HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)

R01HD-03752-05 0016 Mammalian reproduction - Localization of trypsin in rabbit corpora lutea

R01HD-03968-14 Reproductive physiology in the Rhesus monkey

P01HD-05077-05 0003 Reproductive biochemistry and medicine - Computer simulation of human menstruation, gonadal hormones and contraceptives

** P01HD-05671-03 0001 Center for population research - Corpus luteum function in Rhesus monkeys

R01HD-05724-03 Carotenoid metabolism of the corpus luteum (cattle)

** R01HD-05866-03 Effect of prostaglandins on ovarian function (human)

R01HD-05897-04 Cell biology of steroid-secreting cells (mice, guinea pigs)

** R01HD-05938-03 Contraceptive regulation of corpus luteum function (human, swine, cattle)

** R01HD-05942-03 Uterine and placental control of luteal function (rabbits)

P01HD-05969-03 0003 Events that control fertilization - Metabolism and metabolic control of ovary (Rhesus monkey)

R01HD-06104-03 Follicular maturation (human)

** R01HD-06513-03 Prostaglandin and LH action in corpus luteum (rats, rabbits, swine)

** P01HD-06645-03 0002 Center for population research - Corpus luteum function

** P01HD-06645-03 0004 Center for population research - Effect of pituitary and placental gonadotropins on ovary (monkeys)

** P01HD-06645-03 0009 Center for population research - Role of gonadotropins in pregnancy and in spermatogenesis (monkeys, sheep)

** P01HD-06645-03 0010 Center for population research - Control of the estrus cycle (guinea pigs)

** P01HD-06645-03 0040 Center for population research - Development of luteal cells from follicular cells, in vitro

** R01HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)

R01HD-06896-01 Estrogen-stimulated progesterone synthesis in vitro (rabbits)

** R01HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)

** P01HD-07495-02 0029 Center for population research, studies in reproductive biology - Non-steroidal luteolytic agents (rats)

P01HD-07640-01 0005 Program project in reproductive biology - Changes in control of the corpus luteum induced by implantation (rats)

** R01HD-07689-02 Functional luteolysis in primates-Role of estrogen

** R01HD-07762-01 Hormonal regulation of luteal function and regression (rats)

** R01HD-07923-02 0003 Steroid hormone metabolism - Biosynthesis in ovarian corpus luteum (monkeys, human)

R01HD-08099-01 Mode of action of luteinizing hormone (rats)

R01HD-08180-01 LH receptor sites in luteal cells, lutetrophic factors (cattle)

** R01HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)

P01HD-08333-01 Hormones in reproduction (human)

** NO1HD-12232-03 Model to study inhibition of LH action (human, rats)

** NO1HD-22752-04 Changes in the luteolytic process in human corpora lutea

** NO1HD-92134-09 Endocrine regulation of the corpus luteum (sheep)

** NO1HD-92209-06 Isolation of a bovine uterine luteolytic factor

** NO1HD-92215-06 Relationship of endometrial prostaglandins and luteal functions (sheep, monkeys)

** MO1RR-00031-14 0073 General clinical research center - Control of human corpus luteum function

** MO1RR-00034-14 0086 General clinical research center - Effect of thyroid releasing hormone on function of human corpus luteum

** MO1RR-00054-13 0065 General clinical research center - Luteolytic action of prostaglandin (human)

MO1RR-00059-13 0127 General clinical research center - Pathophysiology of human breast cancer epidemiology

** MO1RR-00261-09 0106 General clinical research center - Function of postpartum corpus luteum (human)

** MO1RR-00349-08 0054 General clinical research center - Human gonadotropin on ovarian function

MO1RR-00425-06 0034 General clinical research center - Luteolytic activity of prostaglandins F2 and thiam salt U-14, 583E (human)

** MO1RR-00425-06 0037 General clinical research center - Corpus luteum function in early pregnancy (human)

** MO1RR-00425-06 0049 General clinical research center - Corpus luteum function in early pregnancy-diurnal variation (human)

MO1RR-00722-02 0027 General Clinical Research Center - Hypothalamic-pituitary control in ovulation and corpus luteum function (human)

REPRODUCTIVE SYSTEM FEMALE, OVARY, GRAAFIAN FOLLICLE

SEE ALSO FERTILITY, EGG

P01GM-15253-08 0021 Genetics in medicine-Gene action in man - Gonadotropin control of oocyte maturation (mice)

P01GM-15253-08 0036 Genetics in medicine-Gene action in man - Functioning and modification of the embryonic genome during preimplantation (mic)

** R01HD-00596-12 Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice)

** R01HD-04005-06 Cytodifferentiation of steroid-secreting cells (guinea pigs)

** R01HD-06233-03 Control of selective ovarian follicular growth (lizards)

** R01HD-06371-03 Dynamics of ovulation (rabbits, swine)

R01HD-06532-01 Analysis of mammalian ovarian follicular fluids (swine, rabbits)

** R01HD-06642-03 Metabolism of the proovulatory follicle (rabbits)

** P01HD-06645-03 0024 Center for population research - Endocrine control of oocyte maturation (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** PO1HD-06645-03 0040 Center for population research - Development of luteal cells from follicular cells, in vitro
 ** RO1HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
 ** RO1HD-08466-01 Mechanism of luteinization in vitro and in vivo (monkeys, swine)
- REPRODUCTIVE SYSTEM FEMALE, OVIDUCTS**
 SEE ALSO REPRODUCTIVE SYSTEM DISORDERS FEMALE, ADNEXITIS, SALPINGITIS
 PO1CA-08748-09 5918 Research program of Sloan-Kettering Institute - Steroid hormone receptors in normal and malignant uterus (chickens, rabbits)
 RO1ES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
 RO1GM-20818-01 Regulation of ovalbumin synthesis in chick oviduct
 ** NO1HD-02142-04 Ultrastructural studies on the oviduct (rabbits, monkeys)
 ** PO1HD-02274-08 0089 Mental retardation and child development - Reproductive physiology (rabbits)
 RO1HD-03003-14 Physiology of the female tract (ferret, rodents, rabbits)
 ** RO1HD-03752-05 0003 Mammalian reproduction - Ciliary activity in mammalian oviducts (rabbits, pigs, monkeys, human)
 ** RO1HD-03752-05 0010 Mammalian reproduction - Cultured oviductal tissue from rabbits
 RO1HD-03752-05 0012 Mammalian reproduction - Transport of materials through the uterotubal junction (rabbits)
 ** RO1HD-03752-05 0015 Mammalian reproduction - Hormonal influence of catecholamine-containing nerve fibers of the rabbit oviduct
 ** RO1HD-04182-06 Adrenergic pharmacology of ovum transport (rabbits)
 RO1HD-04702-04 Membrane changes during oogenesis and fertilization (chick embryo, mice)
 PO1HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
 ** RO1HD-05697-02 A polypeptide influencing ovarian function (rodents)
 PO1HD-05797-04 0003 Population and reproductive biology - Inducer metabolism (chickens, rodents, human)
 ** PO1HD-05797-04 0005 Population and reproductive biology - Estrogen induced changes in acidic protein-DNA complexes in chick oviduct
 ** PO1HD-05797-04 0006 Population and reproductive biology - Steroid hormone receptor binding sites from target cell chromatin (chickens)
 ** PO1HD-05797-04 0008 Population and reproductive biology - Transcription of unique sequence DNA during estrogen mediated growth (chicks)
 ** PO1HD-05797-04 0009 Population and reproductive biology - Proof of mRNA hypothesis in steroid hormone action (chickens, rabbits)
 PO1HD-05797-04 0010 Population and reproductive biology - Interaction of hormone receptors with target cell nuclei (chickens, mammals)
 PO1HD-05797-04 0014 Population and reproductive biology - Steric demand of the progesterone receptor from chick oviduct
 PO1HD-05797-04 0017 Population and reproductive biology - Changes in the deoxyribonucleoproteins (chickens, rats)
 PO1HD-05797-04 0018 Population and reproductive biology - Alterations of nucleolar and extranucleolar RNA polymerase (rats, chickens)
 ** PO1HD-05797-04 0019 Population and reproductive biology - Macromolecular conformation in chromatin (chickens)
 ** PO1HD-05797-04 0026 Population and reproductive biology - Sperm capacitation in nitrogen mustard or colchicine treated rabbits
 PO1HD-05797-04 0028 Population and reproductive biology - Immunohistochemistry of chromatin (chickens, rats)
 PO1HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
 ** PO1HD-05969-03 0004 Events that control fertilization - Hormonal regulation of oviduct epithelium (monkeys, hamsters, cats)
 RO1HD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)
 PO1HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)
 PO1HD-06274-03 0003 Reproductive biology - Acrosomal enzymes and fertilization (rabbits, monkeys, human)
 PO1HD-06274-03 0005 Reproductive biology - Membrane structural changes during fertilization (sea urchins)
 ** PO1HD-06274-03 0006 Reproductive biology - Oviductal and uterine environment (rabbits, monkeys)
 ** RO1HD-06374-02 Development, composition and function of oviduct cilia (mice)
 ** RO1HD-06481-03 RNA and protein synthesis in the mammalian oviduct (rabbits, rodents)
 ** RO1HD-06573-03 Oviduct factors responsible for blastocyst development (rabbits)
 ** PO1HD-06645-03 0016 Center for population research - RNA produced in response to androgens and estrogens (mammals, chick embryo)
- ** PO1HD-06645-03 0028 Center for population research - Uterus physiology, smooth muscle of male and female reproductive tract
 ** PO1HD-06645-03 0032 Center for population research - Energy metabolism of preimplantation embryos (mice)
 ** RO1HD-06788-03 Neural-endocrine control of the oviduct (rabbits)
 RO1HD-06822-03 Studies on comparative cytology (rabbits, mice, invertebrates)
 ** PO1HD-07110-02 0001 Biomedical center for population research - Biology of sperm, ovary and oviduct (mammals)
 ** PO1HD-07110-02 0021 Biomedical center for population research - Transplacental transfer of drugs, nutrients and metabolites (monkeys, rodents)
 ** PO1HD-07110-02 0023 Biomedical center for population research - Smooth muscle (human, rats)
 PO1HD-07495-02 0003 Center for population research, studies in reproductive biology - Receptors during embryogenesis, differentiation of reproductive tissues (chicken)
 PO1HD-07495-02 0004 Center for population research, studies in reproductive biology - Steroid interactions with target tissue receptors (chickens, rats)
 PO1HD-07495-02 0009 Center for population research, studies in reproductive biology - Isolation and purification of progesterone receptors (chicken, rat, guinea pig)
 PO1HD-07495-02 0010 Center for population research, studies in reproductive biology - Sex-steroid induced differentiation of avian urogenital system (chickens)
 PO1HD-07495-02 0017 Center for population research, studies in reproductive biology - Hormonal regulation of gene expression (chickens)
 ** RO1HD-07911-01 Sperm storage in avian oviducts (chickens, turkeys)
 ** RO1HD-08188-02 Reproductive hormones-Biology and molecular actions (chickens)
 ** RO1HD-08218-02 Sex hormones-Controlled Mullerian duct differentiation (chick embryo)
 NO1HD-12237-03 Device and technique for blocking the fallopian tubes (rabbits, monkeys)
 NO1HD-22764-02 Develop techniques to study oviduct transport and ovulation in primates
 ** NO1HD-32729-01 Structure, function and development of oviduct cilia (human)
 ** NO1HD-32774-03 Physiology of the oviduct (rabbits)
 ** NO1HD-32795-02 Oviductal fluid in rat and mouse
 ** NO1HD-92189-11 Multidisciplinary investigation of contraception (monkeys)
- REPRODUCTIVE SYSTEM FEMALE, UTERUS**
 SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS NEOPLASMS
 SEE ALSO REPRODUCTIVE SYSTEM SURGERY FEMALE, HYSTERECTOMY
 RO1AA-00297-03 Zygotic and uterine mediated effects of alcohol (mice)
 RO1AM-12129-07 0005 Collagenases and collagen remodeling - Uterine collagenase (rats)
 RO1AM-15556-03 Uterine estrogen receptor affinity labeling
 RO1CA-02897-18 Study of steroids and growth (rats)
 PO1CA-07175-11 0010 Cancer research at the McArdle laboratory - Mechanism of action of estrogens (rats)
 PO2CA-07177-11 0008 Clinical cancer research center - Steroid metabolism in normal and malignant target tissues (swine, human)
 PO1CA-08748-09 5918 Research program of Sloan-Kettering Institute - Steroid hormone receptors in normal and malignant uterus (chickens, rabbits)
 ** PO1DA-00250-03 0005 Research center-Studies of drug dependence and abuse - Intrauterine environment in drug addiction pregnancy (human)
 RO1DE-02636-08 Mobilization of connective tissue components (rabbits, rats, human)
 PO1DE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)
 PO1GM-09069-12 0003 Research in anesthesiology - Maternal-fetal temperature gradients in baboons
 ** PO1GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
 P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
 PO1GM-15253-08 0036 Genetics in medicine-Gene action in man - Functioning and modification of the embryonic genome during preimplantation (mic)
 ** RO1HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
 RO1HD-00267-16 Comparative uterine vasculature (hamsters, ferrets)
 ** RO1HD-00781-11 0010 Studies on prematurity - Effect of fetal death on uterine blood flow and metabolism (sheep)
 ** RO1HD-00781-11 0011 Studies on prematurity - Regulation of uterine and mammary blood flow (sheep)
 ** RO1HD-01026-10 0001 Cytology of mammalian differentiation - Uterine-placental relationship (bandicoots, rats, opossums)
 RO1HD-01866-09 Physiological study of the placenta (sheep)
 ** RO1HD-02266-09 Uterine eosinophil structure and function (human, rats, cattle)
 ** PO1HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
- PO1HD-02274-08 0092 Mental retardation and child development - The mother (human, mammals)
 PO1HD-02528-08 0053 Research center in mental retardation - Regulating mechanisms of preimplantation embryo metabolism (mice)
 ** RO1HD-02851-07 Specificity of uterine response to ovarian hormones (rats, cattle, human)
 RO1HD-03003-14 Physiology of the female tract (ferret, rodents, rabbits)
 RO1HD-03752-05 0012 Mammalian reproduction - Transport of materials through the uterotubal junction (rabbits)
 ** RO1HD-03752-05 0013 Mammalian reproduction - Gamebe transport in the isthmus of the oviduct (monkeys, ungulates, rabbits, guin)
 ** PO1HD-03803-06 0002 Control mechanism in reproduction and development - Estrogen control of transcription and translation (rats)
 ** RO1HD-04274-05 Growth regulation in the preimplantation mammal (rabbits)
 ** RO1HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
 RO1HD-05001-05 Adrenocortical function in abnormal newborn infants (human)
 RO1HD-05291-04 Hormonal regulation of an enzyme system in the uterus (rats)
 PO1HD-05318-04 0002 Reproductive endocrinology - Studies in rats
 PO1HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
 ** RO1HD-05659-04 0001 Fetal growth and development - Oxygen consumption of the uterus and fetal growth rate (sheep)
 ** RO1HD-05659-04 0002 Fetal growth and development - Role of placental hormones in regulation of uterine blood flow (swine)
 RO1HD-05680-03 Steroid binding proteins and hormonal mechanisms (rabbits, human)
 PO1HD-05797-04 0001 Population and reproductive biology - Steroid hormones and target tissue receptors (rats, guinea pigs, human)
 PO1HD-05797-04 0003 Population and reproductive biology - Inducer metabolism (chickens, rodents, human)
 ** PO1HD-05797-04 0007 Population and reproductive biology - Uterine progesterone receptors (rats, mice)
 PO1HD-05797-04 0010 Population and reproductive biology - Interaction of hormone receptors with target cell nuclei (chickens, mammals)
 ** PO1HD-05797-04 0011 Population and reproductive biology - Characterization of progesterone receptor proteins in uteri of mammals
 PO1HD-05797-04 0017 Population and reproductive biology - Changes in the deoxyribonucleoproteins (chickens, rats)
 PO1HD-05797-04 0018 Population and reproductive biology - Alterations of nucleolar and extranucleolar RNA polymerase (rats, chickens)
 ** PO1HD-05797-04 0026 Population and reproductive biology - Sperm capacitation in nitrogen mustard or colchicine treated rabbits
 PO1HD-05797-04 0033 Population and reproductive biology - Decidual cell response in progesterone action (chickens, mice)
 PO1HD-05797-04 0034 Population and reproductive biology - Histology and photography
 RO1HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
 RO1HD-05935-03 Anesthetic and myometrial contractility (human, rats)
 ** RO1HD-05942-03 Uterine and placental control of luteal function (rabbits)
 ** RO1HD-06047-03 Uterine sensitivity and its associated phenomena (rats)
 ** RO1HD-06074-01 Contraction of uterine and intestinal smooth muscle
 RO1HD-06210-03 Estrogen-like effect of the IUD on the uterus (rats)
 ** RO1HD-06212-03 Ovarian steroid control of muscle of reproductive tract (rats)
 RO1HD-06226-02 Uterine proteins in mammalian embryogenesis (rabbits, human)
 ** PO1HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
 ** PO1HD-06274-03 0006 Reproductive biology - Oviductal and uterine environment (rabbits, monkeys)
 ** RO1HD-06362-03 Nucleotide metabolism in the decidual uterus (mice)
 ** RO1HD-06380-03 Biogenic amines in ovulation and implantation (rats)
 ** RO1HD-06406-03 Regulation of uterine blood flow (monkeys)
 RO1HD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, cat)
 ** RO1HD-06489-03 Cyclic AMP in female reproductive hormone action (human, rats)
 RO1HD-06637-03 Maternal anemia, placental circulation, and fetal growth (sheep)
 ** PO1HD-06645-03 0006 Center for population research - Hormonal regulation of carbohydrate metabolism enzymes in reproductive tissue

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** P01HD-06645-03 0013 Center for population research - Effects of sex steroids on enzymes of the uterine lining
 ** P01HD-06645-03 0019 Center for population research - Increase of ribosome formation after estrogen stimulation of the uterus
 ** P01HD-06645-03 0020 Center for population research - Role of RNA in mediating effects of sex hormones
 R01HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)
 ** R01HD-06726-03 Effects of estrogen on human uterine tissue in vitro
 ** R01HD-06736-03 Regulation of uterine blood flow (sheep)
 R01HD-06754-02 A fetal-maternal model system (deermouse)
 R01HD-06773-03 Tissue collagenase and its control by steroids (rats)
 R01HD-06855-02 Mechanisms of growth control in mammalian cells (cattle, rodents)
 R01HD-06982-01 Functional age changes in female reproductive organs
 P01HD-07110-02 0004 Biomedical center for population research - Estrogen binding proteins (calves)
 ** P01HD-07110-02 0023 Biomedical center for population research - Smooth muscle (human, rats)
 R01HD-07190-03 Structure-function of steroid binding proteins (human)
 R01HD-07290-02 Control of timing and character of labor (human, animals)
 P01HD-07495-02 0002 Center for population research, studies in reproductive biology - Quantitative estrogen-receptor interactions with target cell nuclei (rats)
 P01HD-07495-02 0004 Center for population research, studies in reproductive biology - Steroid interactions with target tissue receptors (chickens, rats)
 P01HD-07495-02 0009 Center for population research, studies in reproductive biology - Isolation and purification of progesterone receptors (chicken, rat, guinea pig)
 ** P01HD-07495-02 0026 Center for population research, studies in reproductive biology - Characterization and regulation of ovum-uterus interaction (rats, mice)
 ** P01HD-07640-01 0001 Program project in reproductive biology - Mechanism of action, progesterone in the mammalian uterus-Uteroglobulin (rabbit)
 ** R01HD-08129-01 Endocrine function of transplanted uterus and ovary (sheep)
 ** R01HD-08192-02 Mechanism of action of estrogens (rats)
 R01HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
 R01HD-08280-01 Contraceptive receptor mechanisms (rats, monkeys)
 R01HD-08360-01 Placental function in normal and abnormal pregnancy (human)
 R01HD-08436-02 Estrogen receptors and reproductive function (rats)
 ** R01HD-08477-04 Sympathetic responses of the uterine circulation (sheep)
 ** R01HD-08615-01 Estrogen control of uterine growth and cell division (rats)
 R01HD-08949-01 Prostaglandin-protein interactions and human reproduction
 N01HD-12228-06 Assay of progesterone (sheep, guinea pigs)
 N01HD-12230-02 Intrauterine microcapsules in prolonged drug release form (rabbits, monkeys)
 N01HD-12233-02 Develop intra-uterine sterilization system for the female (primates, human)
 ** N01HD-22710-06 Progesterone-binding proteins to detect antagonists and agonists (rats, rabbits)
 N01HD-32705-02 Pharmacopathologic effects of MPA in the beagle bitch
 N01HD-32748-02 Uterine estradiol binding factors
 N01HD-42847-00 Dynamics of sperm transport through the human cervical canal
 N01HD-92134-09 Endocrine regulation of the corpus luteum (sheep)
 R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
 R01HL-01803-20 0002 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Contractile proteins smooth muscle, muscle-like structure (human, rabbits, goats)
 R01HL-03941-15 Uterine blood flow and changes in pregnancy (sheep)
 ** P01HL-06285-14 0133 Cardiovascular-respiratory physiology and biochemistry - Decreased uterine blood flow and fetal development (lambs)
 R01HL-12557-06 Effects of steroids and pregnancy on arteries and veins (guinea pigs)
 R01HL-12964-11 Neurogenic regulation of vascular resistance (dogs, rats)
 R01HL-13653-04 Physiology of renin, aldosterone and prostaglandin (rabbits)
 R01HL-14121-04 Effects of female sex hormones on the circulation (rats, rabbits)
 R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
 R01HL-16193-01 Blood pressure, electrolyte regulation in pregnancy (rabbits, rats)
 R01HL-16560-01 Uterine prostaglandins and circulatory regulation (dogs)
 R01HL-16952-01 Cardiovascular pathology (rats, degs, swine, human)

R01HM-21312-03 0024 Endocrinological determinants of behavior - Stimulation of RNA synthesis by estradiol benzoate in spayed guinea pigs
 ** R02NI-00390-03 Sympathetic responses of the uterine circulation (sheep, guinea pigs)
 ** M01RR-00210-10 0005 General clinical research center-Maternal-child - Telometry of fetal heart rate and uterine pressure (human)
 M01RR-00210-10 0021 General clinical research center-Maternal-child - Fetal and maternal monitoring of abnormal gestation
 ** P07RR-00273-09 0010 Mass spectrometric facility for biomedical research - Uterine and placental blood flow in pregnancy (rabbits, human)
 ** M01RR-00847-01 0027 Clinical research centers - Examination of human uterus for diurnal contraction variation
REPRODUCTIVE SYSTEM FEMALE, UTERUS, CERVIX
 P01AM-03564-15 0018 Mesenchymal tissues and their diseases - Cervical mucus of the monkey
 P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
 ** P02CA-13148-03 0023 Pilot cancer center - Silent herpetic cervical infections in pregnant women
 P01GM-15991-06 0100 Anesthesia research center - General anesthetics-Central targets (cats, monkeys)
 R01HD-02266-09 Uterine eosinophil structure and function (human, rats, cattle)
 ** R01HD-03752-05 0002 Mammalian reproduction - Interaction of human spermatozoa with human cervical mucus
 R01HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
 P01HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)
 R01HD-06315-03 Proteases in sperm and seminal fluid (human, monkeys)
 R01HD-06663-01 Mammalian sperm antigens involved in reproduction
 ** P01HD-07110-02 0025 Biomedical center for population research - Lipids of the reproductive tract in normal and contraceptive women
 R01HD-08018-01 Sperm transport in cervical mucus (human)
 ** N01HD-42824-02 Sperm antibody activity in cervical mucus of women
 ** N01HD-42825-00 Sex hormone receptors in the cervix (human)
 ** N01HD-42826-00 Sperm transport through cervix (human)
 ** N01HD-42829-00 Biochemistry cervical mucus of macaca radiata during menstrual cycle
 N01HD-42837-00 Estrogen and progesterone protein receptors in uterine cervix (primates)
 ** N01HD-42838-00 Physicochemical characterization of human cervical mucus
 ** N01HD-42847-00 Dynamics of sperm transport through the human cervical canal

REPRODUCTIVE SYSTEM FEMALE, UTERUS, ENDOMETRIUM
 SEE ALSO NEOPLASMS, ENDOMETRIOSIS
 R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)
 R01CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
 P02CA-05826-13 0080 Clinical cancer research center - Endometrial and breast cancer (human)
 P02CA-05826-13 0082 Clinical cancer research center - Amenorrhea in chemotherapy (human)
 P01CA-10748-07 0009 Cancer chemotherapy program - Interaction of radioactive estrogens, androgens and progestins (mice, human)
 R01CA-12330-03 Somatic cell genetics-Mutations and carcinogenesis (human, rodents)
 R01CA-12903-03 Human uterus receptors and responses to steroids
 ** R01CA-15648-01 Steroid dynamics in human, endometrial cancer (human)
 P01CA-15655-01 0034 Cancer center support grant - Cytogenetic screening-Endometrial disorders (human)
 ** R01HD-01026-10 0001 Cytology of mammalian differentiation - Uterine-placental relationship (bandicoots, rats, opossums)
 R01HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
 ** P01HD-05077-05 0012 Reproductive biochemistry and medicine - Receptor proteins binding estradiol and progesterone (sheep)
 ** P01HD-05077-05 0016 Reproductive biochemistry and medicine - Steroid hormones biochemistry (human, mammals, non-human)
 ** R01HD-05090-04 Endometrial preparation for implantation (rats)
 ** R01HD-05154-03 Endometrial-blastocyst interrelationships (rabbits)
 R01HD-05791-03 Analysis of sub-microgram amounts of prostaglandins (humans, primates)
 P01HD-05797-04 0034 Population and reproductive biology - Histology and photography

R01HD-06226-02 Uterine proteins in mammalian embryogenesis (rabbits, human)
 R01HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
 P01HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
 R01HD-06478-03 In vitro studies of progestational steroids (human, mammals)
 ** R01HD-06707-02 Human uterine estrogen-binding proteins (also rats)
 R01HD-07197-02 Steroid dynamics, (human, mammals)
 R01HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
 R01HD-07257-03 Maturation and interaction of mammalian gametes (rabbits, rodents)
 R01HD-07693-01 Hormonal interactions in uterus (cattle)
 N01HD-12228-06 Assay of progesterone (sheep, guinea pigs)
 ** N01HD-92215-06 Relationship of endometrial prostaglandins and luteal functions (sheep, monkeys)
 R01HL-13901-04 Lymphatic capillaries in early inflammation (rabbits)

REPRODUCTIVE SYSTEM FEMALE, UTERUS, MYOMETRIUM
 R01AM-06958-11 Coordination of visceral smooth muscle activity (cats, rabbits)
 R01AM-09125-11 Extrahepatic metabolism of steroids (human, rats)
 R01HD-00010-11 Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep)
 ** R01HD-00378-17 Bioelectric properties of uterine smooth muscle (rats, cats, frogs)
 R01HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
 ** R01HD-02798-07 Primate uterine physiology (monkeys)
 ** P01HD-05077-05 0012 Reproductive biochemistry and medicine - Receptor proteins binding estradiol and progesterone (sheep)
 ** R01HD-05935-03 Anesthetic and myometrial contractility (human, rats)
 R01HD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)
 ** R01HD-06009-03 Effects of prostaglandins on myometrial metabolism (rhesus monkeys)
 ** R01HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
 ** P01HD-06273-03 0001 Cyclic nucleotides in uterine and sperm functions - Uterine contractility (human, rats, rabbits)
 P01HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
 ** P01HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)
 R01HD-06406-03 Regulation of uterine blood flow (monkeys)
 ** P01HD-06645-03 0028 Center for population research - Uterus physiology, smooth muscle of male and female reproductive tract
 P01HD-06645-03 0034 Center for population research - Endometrial determinants in nidation (rats, guinea pigs, human)
 ** R01HD-06707-02 Human uterine estrogen-binding proteins (also rats)
 R01HD-06963-09 Properties of smooth muscle (rats)
 ** P01HD-07110-02 0019 Biomedical center for population research - Effects of pharmacologic agents on smooth muscle (human)
 R01HD-07255-02 Endometrial mechanisms of ovarian hormone synergism (rats)
 R01HD-07693-01 Hormonal interactions in uterus (cattle)
 ** R01HD-07923-02 0002 Steroid hormone metabolism - Progesterone binding to myometrium (human, mammals)
 ** R01HD-08406-01 Mechanism of action of oxytocin on the uterus (swine, rats)
 N01HD-92215-06 Relationship of endometrial prostaglandins and luteal functions (sheep, monkeys)
 R01HL-13901-04 Lymphatic capillaries in early inflammation (rabbits)
 P01HL-15835-01 0012 Pennsylvania Muscle Institute - Contraction and energetics of visceral and vascular smooth muscles (rabbits)

REPRODUCTIVE SYSTEM FEMALE, VAGINA
 R01AI-10894-03 Hepatitis, HAA and anti-HAA in mothers and infants
 ** P01AI-12381-01 0006 Center for study of sexually transmitted diseases - Microbiological investigations of Bartholin's gland abscesses
 ** P01AI-12381-01 0019 Center for study of sexually transmitted diseases - Genital microflora in relation to sexual experience
 P01AM-15515-03 0001 Psoriasis biology, psoriogenesis and lesion control - Mitotic behavior in epidermal system (human, lizards, mice)
 P01AM-15515-03 0002 Psoriasis biology, psoriogenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

POIAM-15515-03 0003 Psoriasis biology, psoriagenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
 POIAM-15515-03 0009 Psoriasis biology, psoriagenesis and lesion control - Animal screening systems for tropical drugs (swine, mice)
 POIAM-15515-03 0010 Psoriasis biology, psoriagenesis and lesion control - In vitro screening for drug action (human, mice, lizards)
 ROICA-11606-05 American Joint Committee
 ROICA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
 POIHD-03693-06 0006 Pathogenesis of chronic infections - Genital mycoplasmas
 POIHD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
 ROIHD-06212-03 Ovarian steroid control of muscle of reproductive tract (rats)
 ROIHD-07454-02 Human sexual behavior and an olfactory pheromone
 POIHD-07495-02 0002 Center for population research, studies in reproductive biology - Quantitative estrogen-receptor interactions with target cell nuclei (rats)
 ROIHD-08229-01 Hormonal control of vaginal circulation (sheep, cattle, human)
 NOIHD-42847-00 Dynamics of sperm transport through the human cervical canal
 ** ROIMM-19506-03 0010 Hormones, the brain and primate behavior - Chemistry of vaginal secretions
 ** ROINS-10420-03 Electrophysiology of the genital sensory system (cats)
 ROIRR-00390-06 Normal biologic profiles for miniature swine

REPRODUCTIVE SYSTEM MALE

ROIAM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
 POIES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
 POIHD-03298-13 0015 Developmental pathology - Experimental cytogenetics (mice)
 ** POIHD-07110-02 0027 Biomedical center for population research - Genital secretions and sperm function (human, monkeys)
 M POIHD-08338-01 Control of male reproduction
 POIHD-08338-01 0013 Control of male reproduction - Development of contraceptive agents for the human male
 ** NOIHD-42812-00 Androgens in male sex organs

REPRODUCTIVE SYSTEM MALE, EPIDIDYMIS AND DUCTS

** ROICA-13417-02 Androgens in prostatic and epididymal culture (human, dogs)
 P11GM-15431-08 0003 Research center for clinical pharmacology and drug toxicology - Action of guanethidine within adrenergic neurons (rats)
 ROIGM-18267-04 Biosynthesis of specialized cell surfaces (rabbits)
 ROIHD-00420-14 0001 Androgen production and function during development - Androgens of mammalian fetal testes (rats, rabbits, chick embryo)
 ROIHD-02344-09 Experimental studies on the seminiferous epithelium (rodents)
 ROIHD-03471-10 Maturation, metabolism and aging of gametes (rabbits, dogs)
 ** ROIHD-03752-05 0007 Mammalian reproduction - Fine structure of the developing sex cords (human, rats)
 ** ROIHD-03820-06 Male reproductive physiology (rabbits)
 ** ROIHD-04290-04 Structure and function of epididymis and vas deferens (rodents)
 ROIHD-04466-05 Development of male reproductive function (humans, primates, rodents)
 ROIHD-05105-13 Pituitary-gonadal interrelationship (human)
 ** POIHD-05671-03 0041 Center for population research - Influence of androgens on epididymal metabolism and sperm maturation
 POIHD-05671-03 0043 Center for population research - Physiological factors affecting male fertility (guinea pigs, rats)
 ** POIHD-05797-04 0024 Population and reproductive biology - Electron microscopy of sperm maturation in the rabbit
 ** POIHD-05797-04 0025 Population and reproductive biology - Electron microscopy of sperm maturation in the rat
 POIHD-05797-04 0034 Population and reproductive biology - Histology and photography
 ** ROIHD-05859-04 Role of the epididymis in spermatozoa maturation (cattle, rabbits, human)
 ROIHD-05867-03 Testis and epididymis-Combined study (monkeys)
 ** POIHD-05969-03 0001 Events that control fertilization - Structure and function of the male duct system (monkeys)
 POIHD-05969-03 0007 Events that control fertilization - Long-term effects of vasectomy (monkeys, rats, guinea pigs, human)
 POIHD-05969-03 0014 Events that control fertilization - Role of carnitine in spermatozoa (cattle, monkeys, rats)
 ROIHD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)

ROIHD-06207-03 Vasectomy-Ultrastructural and cytochemical effects (dogs, rodents, human)
 ROIHD-06272-02 Psychological effects of voluntary vasectomy
 ** POIHD-06645-03 0022 Center for population research - Epididymis and vas deferens histophysiology and biochemistry (mammals nonhuman)
 ** POIHD-06645-03 0028 Center for population research - Uterus physiology, smooth muscle of male and female reproductive tract
 ROIHD-06695-03 Physiology of sperm maturation (boar, human)
 ROIHD-06895-02 Pathological effects of vasectomy on permeability (rats)
 ROIHD-06897-02 Phospholipids in mammalian reproduction (rabbits)
 ROIHD-07204-03 Regulation of androgen secretion in mammalian testes (rabbits)
 ** ROIHD-07244-01 Separation and culture of epididymal epithelial cells (rabbits, cattle)
 ROIHD-07257-03 Maturation and interaction of mammalian gametes (rabbits, rodents)
 ROIHD-07337-03 Reproductive regulation by Golgi apparatus secretions (rats)
 ROIHD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
 ROIHD-08211-01 Reproductive biology of the testis (rats, human)
 ROIHD-08258-01 Function of carnitine in the male reproductive tract (rats, monkeys)
 ** NOIHD-12506-03 Male reproductive tract (rats)
 ** NOIHD-22757-04 Hormonal control of the epididymis (rats)
 NOIHD-22769-03 Development of evaluation of a reversible vasectomy prothesis
 NOIHD-22770-03 Effects of vasectomy on testes, epididymis and vas (rats, rabbits, dogs)
 POIHL-08195-12 0025 Circulatory physiology - Control of cyclic nucleotide levels in rat ductus deferens
 ROIHL-12647-05 0002 Norepinephrine in vascular tissue - Uptake of tyrosine by adrenergic terminals (rabbits)
 ROIHL-13607-04 Role of catecholamines in hypertension (human)
 ROINS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
 ** P07RR-00267-09 0097 Biomedical data processing unit - Sperm maturation (swine, human)
 P07RR-00679-02 0005 Biotechnology resource in electronprobe analysis - Ionic composition of sperm in the testis and the epididymis

REPRODUCTIVE SYSTEM MALE, PENIS

POICA-12376-03 0024 Environmental carcinogenesis - Role of smegma in carcinogenesis (human, horses)
 ROIHD-04592-06 Biochemistry of the male genital tract (rodents)
 ** ROIMM-21312-03 0017 Endocrinological determinants of behavior - Effects of anesthetic ointments applied to penis of rhesus monkey and guinea pig
 ** ROIMM-21312-03 0018 Endocrinological determinants of behavior - Cortical mapping of penile representation to tactile stimulation (guinea pigs)

REPRODUCTIVE SYSTEM MALE, PROSTATE

SEE ALSO REPRODUCTIVE SYSTEM DISORDERS MALE, PROSTATE DISORDERS
 SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE NEOPLASMS
 SEE ALSO REPRODUCTIVE SYSTEM SURGERY MALE, PROSTATE SURGERY
 ** ROIAI-10668-03 Investigation of the prostatic antibacterial factor (human, dogs, rats)
 ROIAM-01240-18 Protein binding and biliary excretion of steroids (human, animals)
 ** ROIAM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
 ** ROIAM-09461-09 Macromolecular synthesis in accessory genital organs (mammals)
 ROIAM-10045-08 0007 Urethral microcontour, function and defenses - Antigen-antibody reactions in female urethra (guinea pigs, dogs)
 ROIAM-11060-17 Mechanisms of androgen action (animals)
 ROIAM-16729-01 Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs)
 POICA-07175-11 0003 Cancer research at the McArdle laboratory - Carcinogenesis in organ culture (mice)
 POICA-08748-09 5912 Research program of Sloan-Kettering Institute - Zinc in the human reproductive tract
 ROICA-13228-03 Gonadal hormone receptors and human prostatic cancer (human)
 ** ROICA-13417-02 Androgens in prostatic and epididymal culture (human, dogs)
 ROICA-14387-02 Organ cultures and carcinogens (human, animals)
 ** ROICA-15062-01 Normal and cancerous prostate (human, rats)
 R26CA-15480-01 Prostate cancer tissue collection center (human)
 R26CA-15502-01 Virogen in prostatic tissue and fluids (human)
 NOICP-22064-02 Organ culture assay of vitamin A analogs (mice, chickens)

** NOICP-23287-02 Induction of adenocarcinoma of the prostate
 ** NOICP-33379-01 Factors of the prostate
 NOICP-43230-00 Pituitary hormones and androgens (mice, guinea pig, hamster, dogs, human)
 ** NOICP-43256-00 Prostatic epithelial cell lines (human)
 ** ROIHD-04592-06 Biochemistry of the male genital tract (rodents)
 POIHD-05797-04 0001 Population and reproductive biology - Steroid hormones and target tissue receptors (rats, guinea pigs, human)
 ROIHD-06387-03 Polyamine metabolism in reproductive physiology (rats)
 ** ROIHD-06470-03 Estrogen and androgen action in reproductive organs (rats, rabbits, human, cattle)
 ** POIHD-06645-03 0012 Center for population research - Effects of estrogens on the prostate and seminal vesicles (rats)
 ** POIHD-06645-03 0015 Center for population research - Hormone action on RNA synthesis in prostate and seminal vesicle
 ** POIHD-06645-03 0020 Center for population research - Role of RNA in mediating effects of sex hormones
 ** POIHD-07110-02 0005 Biomedical center for population research - Androgen receptors in male accessory genital glands (mammals)
 ** POIHD-07110-02 0006 Biomedical center for population research - Polyamines, basic proteins in spermatozoa, adrogenic hormone action (mammals)
 ** ROIHD-08420-01 Prostate citrate metabolism (rats)
 ** NOIHD-12506-03 Male reproductive tract (rats)
 ROINS-10287-19 Metabolism of serine anal related compounds (rats, swine)

REPRODUCTIVE SYSTEM MALE, SEMINAL VESICLES

** ROIAM-00289-25 Histopathology of amino acid deficiencies (rats)
 ROIAM-11060-17 Mechanisms of androgen action (animals)
 R26CA-15480-01 Prostate cancer tissue collection center (human)
 P11GM-15431-08 0003 Research center for clinical pharmacology and drug toxicology - Action of guanethidine within adrenergic neurons (rats)
 ** ROIHD-02344-09 Experimental studies on the seminiferous epithelium (rodents)
 ROIHD-04466-05 Development of male reproductive function (humans, primates, rodents)
 ** ROIHD-04592-06 Biochemistry of the male genital tract (rodents)
 ROIHD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
 POIHD-05671-03 0043 Center for population research - Physiological factors affecting male fertility (guinea pigs, rats)
 ROIHD-05867-03 Testis and epididymis-Combined study (monkeys)
 ** POIHD-06645-03 0012 Center for population research - Effects of estrogens on the prostate and seminal vesicles (rats)
 ** POIHD-06645-03 0015 Center for population research - Hormone action on RNA synthesis in prostate and seminal vesicle
 ** POIHD-06645-03 0020 Center for population research - Role of RNA in mediating effects of sex hormones
 ROIHD-06663-01 Mammalian sperm antigens involved in reproduction
 ** POIHD-07110-02 0006 Biomedical center for population research - Polyamines, basic proteins in spermatozoa, adrogenic hormone action (mammals)
 ROIHD-07503-02 Biology of the testis-Action of FSH (rats)
 ROIHD-08126-01 Androgenic regulation of spermatogenesis (rats)
 ** POIHD-08338-01 0004 Control of male reproduction - Hormonal control of spermatogenesis in vitro (rats)
 POIHD-08338-01 0010 Control of male reproduction - Interaction of FSH and androgens in testis (rats)
 ROIHD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
 NOIHD-12227-03 Development of new sterilization techniques (guinea pigs, monkeys)
 ** NOIHD-12506-03 Male reproductive tract (rats)
 NOIHD-92107-07 Experimental studies on spermatogenesis (human, animals)

REPRODUCTIVE SYSTEM MALE, TESTIS

SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS MALE, TESTIS NEOPLASMS
 ROIAM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
 ROIAM-11597-08 Metabolic role of vitamin A (rats)
 ROIAM-12713-06 Studies on steroid hydroxylases (mammals, plants)
 ROIAM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)
 ROICA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
 POZCA-07357-10 0020 Special children's cancer center program - Natural history of acute leukemia
 ROICA-11138-06 Radiobiology of normal tissues (mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R26CA-15448-01 Characterization of prostatic carcinoma among blacks
 R26CA-15480-01 Prostate cancer tissue collection center (human)
 P01CA-16359-01 0001 Cancer center support grant - Disaggregation of solid tissues using electronic cell sorter (mice, animals)
 P130E-02668-08 0002 Dental research center - Growth mechanisms (rats)
 R01ES-00921-02 Cadmium-induced prolongation of drug action (rats)
 P11GM-12675-10 0052 Biochemical toxicology and pharmacology - Adrenodoxin in hydroxylations mediated by cytochrome P-450 (mammals, human)
 P11GM-15956-07 0065 Factors affecting the responses to drugs - Studies on peroxisomes
 ** R01GM-16488-06 0010 Hepatic microsomal drug oxidation - Testicular cytochrome P-450 and iron-sulfur protein (mammals)
 P01GM-19443-03 0009 Problems in clinical genetics - Cytogenetics
 R01GM-20594-02 Enzymatic modification of carboxyl residues in protein (rats, E. coli, human)
 ** R01HD-00420-14 0001 Androgen production and function during development - Androgens of mammalian fetal testes (rats, rabbits, chick embryo)
 P01HD-01799-09 0008 Mental retardation research center - Developmental biochemistry of steroids (rats)
 ** R01HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
 ** P01HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
 P01HD-03298-13 0001 Developmental pathology - Cytogenetics (human)
 R01HD-03752-05 0001 Mammalian reproduction - Proteolytic activity of sperm acrosomes (cattle, rabbits, rodents, human)
 ** R01HD-03752-05 0005 Mammalian reproduction - Development of human testis and spermatogenesis (also sheep, rodents)
 ** R01HD-03752-05 0006 Mammalian reproduction - 'Genital canals' discovered in human embryos
 ** R01HD-03752-05 0014 Mammalian reproduction - Development of the rete testis in the ram
 ** R01HD-04005-06 Cytodifferentiation of steroid-secreting cells (guinea pigs)
 R01HD-04290-04 Structure and function of epididymis and vas deferens (rodents)
 R01HD-04466-05 Development of male reproductive function (humans, primates, rodents)
 ** R01HD-04592-06 Biochemistry of the male genital tract (rodents)
 P01HD-05077-05 0014 Reproductive biochemistry and medicine - Steroidal intermediates in conversion of cholesterol to pregnenolone (cattle)
 ** P01HD-05077-05 0019 Reproductive biochemistry and medicine - Male infertility (human)
 R01HD-05105-13 Pituitary-gonadal interrelationship (human)
 R01HD-05277-04 Changes in nuclear proteins in spermatogenesis (cattle, rats)
 R01HD-05507-03 Biochemistry of sperm and reproductive tissues (human, cattle)
 ** R01HD-05641-12 Metabolism of the testis in vitamin E deficiency (rats)
 ** P01HD-05797-04 0004 Population and reproductive biology - Nucleic acids in testis and ovary (rats)
 P01HD-05797-04 0034 Population and reproductive biology - Histology and photography
 ** R01HD-05863-03 Reproductive biochemistry of testes specific LDH-X (mice, human)
 R01HD-05867-03 Testis and epididymis-Combined study (monkeys)
 R01HD-05897-04 Cell biology of steroid-secreting cells (mice, guinea pigs)
 ** R01HD-06045-03 Inter-relationship between retinal and male gonads (rats)
 ** R01HD-06070-03 Composition and metabolism of human testes
 R01HD-06207-03 Vasectomy-Ultrastructural and cytochemical effects (dogs, rodents, human)
 R01HD-06316-03 Gonado-pituitary axis in the rat
 ** R01HD-06486-02 Augmented steroidogenesis by testis slices (rabbits)
 R01HD-06491-03 Mammalian spermatozoan motility (bulls)
 ** R01HD-06527-02 Control of testicular function (birds)
 ** P01HD-06645-03 0021 Center for population research - Histophysiology and ultrastructure of testis and spermatogenesis (monkeys)
 R01HD-06701-03 Mechanisms of puberty (rats)
 ** R01HD-06725-03 Differentiation and androgenesis in juvenile testis (chickens, rats)
 ** R01HD-06867-02 Influence of prolactin on the testis (rats, mice, rabbits)
 ** R01HD-06868-02 Biochemical aspects of male sexual maturation (rabbits, rats, human)
 ** R01HD-06969-01 Role of the Sertoli cell in spermatogenesis (monkey, human, rodents)

** P01HD-07110-02 0014 Biomedical center for population research - Endocrinologic aspects of male infertility (human, mammals nonhuman)
 R01HD-07197-02 Steroid dynamics, (human, mammals)
 ** R01HD-07204-03 Regulation of androgen secretion in mammalian testes (rabbits)
 P01HD-07495-02 0014 Center for population research, studies in reproductive biology - Control and regulation of spermatogenesis (rodents)
 ** P01HD-07495-02 0016 Center for population research, studies in reproductive biology - Mechanism of action of gonadotropins (rats)
 ** P01HD-07495-02 0030 Center for population research, studies in reproductive biology - Factors controlling formation of blood-testis barrier (rats)
 ** R01HD-07503-02 Biology of the testis-Action of FSH (rats)
 ** R01HD-07655-01 Behavior of stem cell spermatogonia in rodent testes
 ** R01HD-07690-01 Regulation of estrogen production by mammalian testes (human, rats)
 ** R01HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
 ** R01HD-07727-02 Photoperiodic control of reproduction (hamsters)
 R01HD-07915-01 Development and parturition of headless porcine fetuses
 ** R01HD-08202-02 Gonadal differentiation in the human fetus
 R01HD-08211-01 Reproductive biology of the testis (rats, human)
 R01HD-08228-01 Testicular receptors of follicle-stimulating hormones (human, rats, primates)
 R01HD-08258-01 Function of carnitine in the male reproductive tract (rats, monkeys)
 R01HD-08309-01 Population control research-Enzyme studies
 P01HD-08338-01 0006 Control of male reproduction - Cyclic nucleotide phosphodiesterase isozymes, ornithine decarboxylase in testis
 P01HD-08338-01 0007 Control of male reproduction - Hormonal control of steroidogenesis (rat testes)
 P01HD-08338-01 0008 Control of male reproduction - Biosynthesis and 5-alpha reduction of androgens in marmoset testes
 P01HD-08338-01 0009 Control of male reproduction - Kinetics of initiation and maintenance of spermatogenesis (rats, baboons, human)
 ** P01HD-08338-01 0010 Control of male reproduction - Interaction of FSH and androgens in testis (rats)
 P01HD-08338-01 0011 Control of male reproduction - Hormonal control of spermatogenesis (rats)
 ** R01HD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
 R01HD-08478-01 Primate endocrine regulation in the perinatal period
 ** R01HD-08940-01 Structural maturation of the prepubertal rabbit testis
 N01HD-12227-03 Development of new sterilization techniques (guinea pigs, monkeys)
 N01HD-22770-03 Effects of vasectomy on testes, epididymis and vas (rats, rabbits, dogs)
 N01HD-22775-02 Immunological studies on steroid-producing cells (human, monkeys, rabbits)
 N01HD-22780-02 Ultrastructure and immunocytochemistry of sperm antigens (human, rabbits, guinea pig)
 M01RR-00128-10 0043 General clinical research center for children - Human gonadotropins and testicular development
 M01RR-00188-10 0059 General clinical research center for children - Effect of androgens on testicular function and morphology
 P07RR-00679-02 0005 Biotechnology resource in electronprobe analysis - Ionic composition of sperm in the testis and the epididymis
 M01RR-00722-02 0028 General Clinical Research Center - Retention of androgens in tissue in abnormal sex differentiation (human)

REPRODUCTIVE SYSTEM ABSORPTION
 ** P01HD-07495-02 0030 Center for population research, studies in reproductive biology - Factors controlling formation of blood-testis barrier (rats)

REPRODUCTIVE SYSTEM DISORDERS (GENERAL)
 SEE ALSO FERTILITY, SEX CYCLES, MENSTRUATION DISORDERS

SEE ALSO PREGNANCY DISORDERS
 SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS
 ** R01AM-00289-25 Histopathology of amino acid deficiencies (rats)
 R01CA-12365-03 Inbred dwarf hamsters for biomedical research
 N01CN-45092-01 Genital tract anomalies and cancer in offspring exposed in utero to estrogens
 ** N01CN-45157-00 Genital tract anomalies in humans exposed in utero to synthetic estrogens
 P01ES-00054-10 0014 Environmental impact of chlorinated hydrocarbons - Biological effects of chlorinated hydrocarbons in birds and rodents
 P01ES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)

N01ES-22084-06 Long range toxicologic effect of specific fungicides (rats, mice)
 R01FD-00634-11 Neoplasms in irradiated human populations
 R01GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
 ** P01HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
 R01HD-02860-07 Quantitative human chromosome study aided by computer (also hamsters)
 R01HD-04173-10 Androgen metabolism (human)
 R01HD-05001-05 Adrenocortical function in abnormal newborn infants (human)
 M P01HD-05797-04 Population and reproductive biology
 R01HD-07196-02 Isolation of circulating pituitary gonadotropins (rats)
 R01HD-08034-01 Reproductive function and gonadal steroid dynamics (human, monkeys)
 R01HD-08622-01 Development of reproductive organs in mammals (rats, dogs, monkeys, human)
 N01HD-32731-04 Effects of steroid contraception on cervical dysplasia (human)
 M01RR-00046-14 0002 General clinical research center - Etiologic mechanisms in patients refractory to androgens
 M01RR-00633-02 0047 General clinical research center - Origin of estrogens from plasma precursors (human)

REPRODUCTIVE SYSTEM DISORDERS, GONAD DISORDERS

SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS
 SEE ALSO REPRODUCTIVE SYSTEM DISORDERS FEMALE, OVARIAN DISORDERS
 SEE ALSO REPRODUCTIVE SYSTEM DISORDERS MALE, TESTIS DISORDERS
 SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, OVARY NEOPLASMS
 SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS MALE, TESTIS NEOPLASMS

R01AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
 ** P01CA-07304-11 0041 Steroid hormone production and metabolism in cancer - Endocrine function in gonadotropin deficiency (human)
 ** P01GM-15253-08 0039 Genetics in medicine-Gene action in man - Autoimmunity and gonadal dysgenesis
 ** P01GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities
 P01GM-20130-01 0010 Clinical genetics research center - Reproductive genetics (human)
 R01HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
 ** P01HD-03352-07 0008 Wisconsin center on mental retardation - Altered postnatal environment (monkeys)
 P01HD-05077-05 0007 Reproductive biochemistry and medicine - Positive feedback of estrogens and progesterone on LH (human, monkeys)
 P01HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
 M01RR-00075-11 0038 General clinical research center for children - Pituitary-gonadal interrelationship
 ** M01RR-00080-12 0045 General clinical research center - Maturation in gonadal dysgenesis and effects of estrogens (human)
 M01RR-00211-10 0011 General clinical research center - Primary and secondary amenorrhea (human)

REPRODUCTIVE SYSTEM DISORDERS, MAMMARY DISORDERS

** P02CA-11198-06 0001 Cancer research center - Influence of synthetic progestins on canine mammary glands & organ cultures
 ** R01CA-12869-04 Kansas breast study (human)
 P01CA-16038-01 0002 Program on the molecular basis of viral transformation - Evidence of oncovirus in milk and risk of breast cancer
 ** N01CP-43208-00 Procure human sera from defined population groups
 P10ES-00260-12 0029 Research in the environmental health sciences - Breast cancer after postpartum mastitis
 M01RR-00051-13 0081 General clinical research center - Regulation of prolactin secretion (human)

REPRODUCTIVE SYSTEM DISORDERS, MAMMARY DISORDERS, GYNECOMASTIA

R01AA-00291-03 Behavioral and biological correlates of alcoholism (human)
 R01AM-06912-12 Estrogen production from plasma precursors in humans
 R01CA-05197-15 Endocrine factors influencing tumor growth in man
 ** P01HD-07110-02 0022 Biomedical center for population research - Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman)
 ** R01HD-07685-01 Gynecomastia-Hormonal and testicular abnormalities
 R01HD-08692-01 Dynamics of estrogen biosynthesis (human)
 ** M01RR-00053-13 0082 Clinical research center - Syndrome of adrenal hyperplasia with feminization and hyperprolactinemia (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- MO1RR-00071-11 0001 General clinical research center - Studies on testicular function (human)
- MO1RR-00080-12 0067 General clinical research center - Human prolactin studies
- ** MO1RR-00425-06 0003 General clinical research center - Gynecomastia-Relationship to hormonal metabolism (human)

REPRODUCTIVE SYSTEM DISORDERS, MAMMARY DISORDERS, LACTATION DISORDERS

- P02AM-05630-12 0010 Metabolic unit for the Department of Medicine - Prolactin and its role in disease (human)
- RO1CA-05197-15 Endocrine factors influencing tumor growth in man
- ** RO1HD-07066-02 Gonadotropin secretion during lactation in the monkey (also rats)
- ** MO1RR-00034-14 0048 General clinical research center - L-dopa therapy in galactorrhea (human)
- ** MO1RR-00036-14 0125 General clinical research center - Hormonal studies in non-puerperal galactorrhea (human)
- ** MO1RR-00064-10 0077 General clinical research center - Hypothyroid galactorrhea (human)
- ** MO1RR-00080-12 0028 General clinical research center - Growth hormone studies (human)
- MO1RR-00080-12 0067 General clinical research center - Human prolactin studies

REPRODUCTIVE SYSTEM DISORDERS CHEMOTHERAPY

- SEE ALSO FERTILITY, FERTILITY DRUGS
- SEE ALSO REPRODUCTIVE SYSTEM PHARMACOLOGY
- RO1HD-02014-09 Effect of maternal age on reproductive capacity (mice)
- PO1HD-02528-08 0078 Research center in mental retardation - Corpus luteum function in treated infertility patients
- PO1HD-05077-05 0009 Reproductive biochemistry and medicine - Human gonadotropin and chorionic growth hormone prolactin
- RO1HD-07534-01 Cytogenetics of primate development (monkeys, rabbits)
- RO1HD-08692-01 Dynamics of estrogen biosynthesis (human)
- PI7HL-14141-04 0002 SCOR for atherosclerosis in childhood - Intrauterine environment of proband group (human)
- MO1RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)
- MO1RR-00031-14 0036 General clinical research center - Pituitary-ovarian relationships (human)
- MO1RR-00034-14 0036 General clinical research center - Effect of hypotensive agents on toxemia of pregnancy (human)
- MO1RR-00034-14 0048 General clinical research center - L-dopa therapy in galactorrhea (human)
- MO1RR-00035-14 0116 General clinical research centers - Induction of ovulation in hypogonadotropic patients
- MO1RR-00036-14 0125 General clinical research center - Hormonal studies in non-puerperal galactorrhea (human)
- MO1RR-00046-14 0029 General clinical research center - Prostaglandins for abortifacient activity in early human pregnancy
- MO1RR-00047-14 0010 General clinical research center - Treatment of threatened premature labor with ethanol (human)
- ** MO1RR-00052-13 0038 General clinical research center for children - Sexual precocity
- MO1RR-00076-12 0109 General clinical research center - Procaine penicillin G vs spectinomycin in pelvic inflammatory disease (human)
- MO1RR-00080-12 0045 General clinical research center - Maturation in gonadal dysgenesis and effects of estrogens (human)
- MO1RR-00096-14 0056 Clinical research center - Effects of prostaglandins on thyroid function (human)
- MO1RR-00134-10 0060 General clinical research center - Effect of luteinizing hormone releasing factor in anovulatory women
- MO1RR-00210-10 0043 General clinical research center - Maternal-child - Comparison of dinoprost and oxytocin in labor induction
- MO1RR-00425-06 0079 General clinical research center - Prostaglandins for abortifacient activity in early human pregnancy
- MO1RR-00633-02 0007 General clinical research center - Effects of testosterone in male pseudohermaphroditism (human)
- ** MO1RR-00722-02 0027 General Clinical Research Center - Hypothalamic-pituitary control in ovulation and corpus luteum function (human)
- MO1RR-00749-02 0020 General clinical research center - Kallman's syndrome or hypogonadotropic eunuchoidism with anosmia (human)
- ** MO1RR-00749-02 0046 General clinical research center - Danazol in treatment of precocious puberty (human)
- MO1RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males

REPRODUCTIVE SYSTEM DISORDERS FEMALE SEE ALSO FERTILITY, SEX CYCLES, MENSTRUATION DISORDERS

- SEE ALSO PREGNANCY DISORDERS
- SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, VIRILISM
- SEE ALSO REPRODUCTIVE SYSTEM DISORDERS, MAMMARY DISORDERS
- RO1AI-11160-07 Venereal disease in animal models (cattle, guinea pigs)
- PO1CA-15655-01 0034 Cancer center support grant - Cytogenetic screening-Endometrial disorders (human)
- ** NO1CB-43919-00 Diagnostic value of gynecologic cytopathology samples
- ** NO1CN-45124-03 Genital tract anomalies and cancer in fetus to synthetic estrogens (human)
- PO1GM-20130-01 0010 Clinical genetics research center - Reproductive genetics (human)
- RO1HD-02266-09 Uterine eosinophil structure and function (human, rats, cattle)
- ** MO1RR-00076-12 0109 General clinical research center - Procaine penicillin G vs spectinomycin in pelvic inflammatory disease (human)
- ** MO1RR-00722-02 0029 General Clinical Research Center - Obstetrical and gynecological complications in heritable disorders (human)

REPRODUCTIVE SYSTEM DISORDERS FEMALE, ADNEXITIS, SALPINGITIS

- RO1AI-11363-02 Mycoplasmas in venereal infections (human)
- PO1AI-12192-01 0001 Venereal disease research - Clinical pathology and pathogenesis of gonorrhea
- PO1AI-12192-01 0006 Venereal disease research - CMV, HSV, chlamydia, cohort study of infection and disease

REPRODUCTIVE SYSTEM DISORDERS, FEMALE, OVARIAN CYSTS

- SEE ALSO REPRODUCTIVE SYSTEM DISORDERS FEMALE, POLYCYSTIC OVARY
- RO1CA-14854-01 Cancer cell surface glycoproteins (mice, human)

REPRODUCTIVE SYSTEM DISORDERS FEMALE, OVARIAN DISORDERS

- SEE ALSO PITUITARY GLAND DISORDERS, HYPOPHYTARISM, SHEEHAN'S SYNDROME
- SEE ALSO REPRODUCTIVE SYSTEM DISORDERS FEMALE, POLYCYSTIC OVARY
- RO1AM-07564-12 Characterization of human pituitary gonadotropins
- ** PO1HD-05523-04 0005 Analysis of genetic effects on aging - Life span shortening effects of mutant alleles at the W locus (mice)
- ** PO1HD-05671-03 0044 Center for population research - Occurrence of experimental autoimmune oophoritis (rats)
- PO1HD-08235-01 Hormonal regulation of the reproductive tract
- ** MO1RR-00031-14 0073 General clinical research center - Control of human corpus luteum function
- ** MO1RR-00035-14 0114 General clinical research centers - Endocrine studies in ovarian agenesis (human)
- ** MO1RR-00349-08 0062 General clinical research center - 'Oversuppression syndrome' and endocrine abnormalities (human)
- MO1RR-00722-02 0026 General Clinical Research Center - Etiology of dysfunctional uterine bleeding (human)
- ** MO1RR-00722-02 0027 General Clinical Research Center - Hypothalamic-pituitary control in ovulation and corpus luteum function (human)

REPRODUCTIVE SYSTEM DISORDERS FEMALE, POLYCYSTIC OVARY

- RO1AM-07084-13 Hormonal control of sebaceous gland function (human)
- RO1AM-12845-04 Studies in androgen metabolism (human, rats)
- PO1CA-07304-11 0032 Steroid hormone production and metabolism in cancer - Delydroisoandrosterone measurement in plasma (human)
- RO1ES-00819-01 Perinatal manipulation of neuroendocrine development (women, rats)
- PO1HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
- RO1HD-04173-10 Androgen metabolism (human)
- RO1HD-06209-03 Gonadotropin release and biological rhythms (women, men)
- RO1HD-07972-01 Ovarian involution in aging (rats)
- ** MO1RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)
- ** MO1RR-00036-14 0017 General clinical research center - Adrenogenital and Stein-Leventhal syndromes (human)
- ** MO1RR-00053-13 0076 Clinical research center - Steroid metabolism in polycystic ovary syndrome (human)
- ** MO1RR-00125-11 0172 General clinical research center - adult-child - Adrenal and ovarian function in Stein-Leventhal syndrome
- MO1RR-00211-10 0011 General clinical research center - Primary and secondary amenorrhea (human)
- MO1RR-00211-10 0047 General clinical research center - Hirsutism and amenorrhea (human)
- MO1RR-00827-01 0023 General clinical research center - Mechanisms of gonadotropin control and action (human)

REPRODUCTIVE SYSTEM DISORDERS FEMALE, UTERINE DISORDERS

- PO1GM-15991-06 0086 Anesthesia research center - Regional anesthesia in managing abnormal uterine contraction (human)
- PO1HL-06285-14 0135 Cardiovascular-respiratory physiology and biochemistry - Beta-adrenergic agents and fetal cardiovascular dynamics (lambs)

REPRODUCTIVE SYSTEM DISORDERS FEMALE, UTERINE DISORDERS, CERVIX

- PO1AI-12192-01 0001 Venereal disease research - Clinical pathology and pathogenesis of gonorrhea
- PO1AM-13385-06 0003 Cystic fibrosis - Female conception control (human)
- ** PO1HD-07110-02 0017 Biomedical center for population research - Effects of oral contraceptives on cervical dysplasias (human)
- ** NO1HD-32731-04 Effects of steroid contraception on cervical dysplasia (human)

REPRODUCTIVE SYSTEM DISORDERS FEMALE, VAGINAL DISORDERS

- RO1HD-00325-18 0008 Longitudinal and related psychohormonal studies - Women with vaginal atresia

REPRODUCTIVE SYSTEM DISORDERS FEMALE, VULVITIS

- PO2CA-13148-03 0069 Pilot cancer center - Role of cryosurgery in gynecologic cancer

REPRODUCTIVE SYSTEM DISORDERS MALE

- SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, CRYPTORCHIDISM
- SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, KALLMAN'S SYNDROME
- SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, TESTICULAR FEMINIZATION
- SEE ALSO REPRODUCTIVE SYSTEM DISORDERS, MAMMARY DISORDERS, GYNECOMASTIA
- RO1AM-07564-12 Characterization of human pituitary gonadotropins
- RO1HD-07694-02 Lipid chemistry and metabolism in reproductive tissue (rats, mice)
- ** MO1RR-00722-02 0028 General Clinical Research Center - Retention of androgens in tissue in abnormal sex differentiation (human)
- MO1RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males
- MO1RR-00828-01 0030 General clinical research center - Use of clomiphene in evaluation of human pituitary function

REPRODUCTIVE SYSTEM DISORDERS MALE, EPIDIDYMITIS

- PO1AI-12192-01 0005 Venereal disease research - Nongonococcal urethritis (human)

REPRODUCTIVE SYSTEM DISORDERS MALE, PENILE DISORDERS

- RO1GM-21178-01 System design study of fluid energy transfer devices (human)
- MO1RR-00052-13 0033 General clinical research center for children - Endocrinology-Diurnal variation of testosterone

REPRODUCTIVE SYSTEM DISORDERS MALE, PROSTATE DISORDERS

- SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE NEOPLASMS
- ** PO1CA-08748-09 5912 Research program of Sloan-Kettering Institute - Zinc in the human reproductive tract
- ** RO1CA-12448-04 Effect of progesterone on prostate size and morphology (human)
- RO1CA-13228-03 Gonadal hormone receptors and human prostatic cancer (human)

REPRODUCTIVE SYSTEM DISORDERS MALE, PROSTATITIS

- PO2CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)

REPRODUCTIVE SYSTEM DISORDERS MALE, TESTIS DISORDERS

- RO1AA-00291-03 Behavioral and biological correlates of alcoholism (human)
- RO1AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
- ** PO1ES-00481-03 0003 Subcellular pathology of heavy metals - Lead effects on testis (dogs)
- ** PO1ES-00481-03 0012 Subcellular pathology of heavy metals - Effects of cadmium on testis (mice)
- RO1HD-05105-13 Pituitary-gonadal interrelationship (human)
- RO1HD-06070-03 Composition and metabolism of human testes
- ** RO1HD-06316-03 Gonado-pituitary axis in the rat
- ** RO1HD-07685-01 Gynecomastia-Hormonal and testicular abnormalities
- PO1HD-08338-01 0005 Control of male reproduction - Pituitary gonadal interaction in men

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

‡ Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)
- ** MO1RR-00031-14 0070 General clinical research center - Pituitary-testes axis (human)
- ** MO1RR-00071-11 0001 General clinical research center - Studies on testicular function (human)
- MO1RR-00075-11 0058 General clinical research center for children - Cryptorchidism and other testicular disorders
- ** MO1RR-00125-11 0214 General clinical research center - adult-child - Adrenal and testicular function in male puberty with dehydrogenase deficiency

REPRODUCTIVE SYSTEM DISORDERS, MALE, TESTIS DISORDERS, ORCHITIS

- MO1HD-32717-01 Immunopathologic consequences of vasectomy (human, guinea pigs, rats)

REPRODUCTIVE SYSTEM EXAMINATIONS (GENERAL)*

- SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS, MAMMOGRAPHY
- MO1RR-00305-08 0010 Clinical research center for children - Physiologic interrelationship of adrenal and gonadal androgenic function

REPRODUCTIVE SYSTEM EXAMINATIONS FEMALE*

- SEE ALSO DIAGNOSTIC TESTS, CYTODIAGNOSIS, VAGINAL SMEARS*

- P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)
- ** MO1RR-00031-14 0073 General clinical research center - Control of human corpus luteum function

REPRODUCTIVE SYSTEM EXAMINATIONS MALE*

- MO1RR-00052-13 0023 General clinical research center for children - Treatment for cryptorchidism
- ** MO1RR-00055-13 0104 General clinical research center - Male infertility (human)

REPRODUCTIVE SYSTEM NEOPLASMS

- SEE ALSO BEDSONIA, LYMPHOGRANULOMA VENEREUM AGENT
- SEE ALSO PREGNANCY, PLACENTAL NEOPLASMS
- SEE ALSO VIRUSES, ONCOGENIC, VENEREAL SARCOMA VIRUS GANINE

- ** R01CA-01393-24 Patterns of steroid metabolism in cancer (human, mice)
- R10CA-02822-19 Eastern cooperative oncology group (human)
- R10CA-03227-18 Southeastern cancer study group
- R01CA-05191-15 Some endocrine aspects of neoplasia (mice)
- R10CA-05634-14 Southeastern cancer study group
- R10CA-05641-14 Southeastern cancer study group
- P02CA-10438-08 0030 Clinical radiation therapy research center - Urinary cholesterol as a diagnostic tool
- P02CA-11051-06 0023 Clinical radiation research center - Computer analysis of radiation experience
- ** R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
- ** P01CA-12376-03 0010 Environmental carcinogenesis - Breast and gynecological cancers (human)
- ** P01CA-12376-03 0011 Environmental carcinogenesis - Relationship of exogenous estrogens to breast and genital cancers (human)
- ** R01CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
- ** P02CA-13148-03 0003 Pilot cancer center - Fine structural observations on gynecologic malignancies
- ** P02CA-13148-03 0004 Pilot cancer center - Application of ultrasound to gynecological tumors (human)
- R10CA-13237-03 Southeastern cancer study group
- ** P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
- ** P02CA-15145-01 0024 Cancer center support grant - Hormone dependent urogenital tumors in rodents
- P01CA-16359-01 0017 Cancer center support grant - Estrogen binding proteins
- ** N01CN-45092-01 Gonital tract anomalies and cancer in offspring exposed in utero to estrogens
- ** N01HD-42850-01 Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human)
- ** R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers

REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS

- SEE ALSO NEOPLASMS, CARCINOMA, EHRlich TUMOR
- SEE ALSO NEOPLASMS, PAGET'S DISEASE
- SEE ALSO NEOPLASMS, SARCOMA I
- SEE ALSO VIRUSES, ONCOGENIC, NOOULE INDUCING VIRUS (MICE)
- SEE ALSO VIRUSES, ONCORNA, MAMMARY TUMOR VIRUS
- R01AM-04784-14 Control of secretion of hypothalamic hormones
- P02AM-05630-12 0010 Metabolic unit for the Department of Medicine - Prolactin and its role in disease (human)
- R01AM-07720-10 Mechanisms of control of enzymatic activity (rats, bacteria, human)
- R01AM-11662-06 Biosynthesis of ergot alkaloids (fungi)
- R01AM-16153-03 Mechanism of termination of calcium mediated secretion (cows)

- P01CA-02332-20 0006 Clinical and laboratory studies of normal and abnormal growth - Molecular hybridization (mammals)
- P01CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
- R10CA-02599-20 Acute leukemia group B (human)
- R10CA-02822-19 Eastern cooperative oncology group (human)
- R10CA-02824-19 Eastern cooperative oncology group
- ** R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- R10CA-03177-18 Southeastern cancer study group
- ** R10CA-03357-17 Cooperative study of breast cancer
- ** R10CA-03358-17 Cooperative breast cancer group
- ** R10CA-03359-17 Cooperative breast cancer group
- ** R10CA-03360-17 Cooperative breast cancer group
- ** R10CA-03364-17 Cooperative breast cancer group
- R10CA-03376-18 Southeastern cancer study group
- R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
- ** R10CA-03664-16 Cooperative breast cancer group
- ** R10CA-03740-16 Cooperative breast cancer group (human)
- R10CA-03764-16 Cooperative breast cancer group
- R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- R01CA-04519-15 Physiological role of estrogen sulfates (rats)
- ** R10CA-04594-14 Cooperative breast cancer group
- R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
- R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
- R10CA-05186-14 Western cancer study group
- ** R01CA-05197-15 Endocrine factors influencing tumor growth in man
- M P01CA-05388-15 Biology of mammary neoplasia
- ** P01CA-05388-15 0002 Biology of mammary neoplasia - Non-viral mammary cancer (mice)
- R10CA-05588-14 Eastern cooperative oncology group
- R01CA-05654-14 Evaluation of supravoltage therapy (human)
- P02CA-05826-13 0071 Clinical cancer research center - Endocrinologic studies in pituitary tumors (human)
- ** P02CA-05826-13 0080 Clinical cancer research center - Endometrial and breast cancer (human)
- P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
- P02CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
- P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- ** P02CA-05831-13 0019 Cancer clinical research - Early detection of familial breast cancer
- P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
- ** P02CA-05834-13 0043 Cancer clinical research center - Carcinoma of the breast (human)
- P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
- R01CA-05949-13 Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice)
- ** P02CA-06294-13 0003 Radiotherapy research - Carcinoma of the breast (human)
- P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)
- P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
- P01CA-06373-12 Epidemiologic studies of cancer (human)
- P02CA-06516-12 0007 Cancer center support grant - Comprehensive - Adult solid tumors
- P02CA-06516-12 0025 Cancer center support grant - Comprehensive - Heterotransplantation approaches to human leukemia and lymphoma (hamsters, rats)
- ** P02CA-06519-12 0111 Radiation therapy and biology research program - Determination of radiation response of cultured human breast cancer
- ** P02CA-06551-11 0007 Cancer clinical research - Factors affecting survival in breast cancer patients
- R10CA-06594-12 Eastern cooperative oncology group
- R10CA-06800-12 Western cooperative cancer chemotherapy group
- P01CA-06927-12 0024 Biological and biochemical program in cancer research - Tumor cell antigenicity and resistance to carcinogens (mice, monkeys)
- P02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
- ** P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- P02CA-06973-12 0022 Integrated clinical cancer research program - Neoplasia-Clonal proliferation or recruitment (human, mice)
- ** P02CA-07177-11 0005 Clinical cancer research center - Analysis for estrogen binding protein in breast tumors (human)

- ** P02CA-07177-11 0006 Clinical cancer research center - Steroid and estrogen sulfotransferase activities in breast tumors (human)
- ** P02CA-07177-11 0007 Clinical cancer research center - Hormonal requirements for breast tumor growth in organ culture (human)
- ** P02CA-07177-11 0008 Clinical cancer research center - Steroid metabolism in normal and malignant target tissues (swine, human)
- ** P02CA-07177-11 0009 Clinical cancer research center - Radioimmunoassay of plasma prolactin in breast cancer patients
- ** P02CA-07177-11 0010 Clinical cancer research center - Metabolism of estrone sulfate in treatment of recurrent breast cancer (human)
- ** P02CA-07177-11 0011 Clinical cancer research center - Beta particle budding in human breast tissue
- ** P02CA-07177-11 0013 Clinical cancer research center - Immunoassay for carcinoembryonic antigen (human)
- ** P02CA-07177-11 0015 Clinical cancer research center - The role of tumor specific antigens in malignancy of breast cancer (human)
- R10CA-07190-12 Eastern cooperative oncology group
- P01CA-07304-11 0016 Steroid hormone production and metabolism in cancer - Effect of caluosterone on estradiol metabolism (human)
- P01CA-07304-11 0018 Steroid hormone production and metabolism in cancer - Concentration of esteriol in plasma and urine (human)
- ** P01CA-07304-11 0019 Steroid hormone production and metabolism in cancer - Measurement of estradiol receptors in breast tumors
- ** P01CA-07304-11 0024 Steroid hormone production and metabolism in cancer - Secretary program of the human adrenal
- R10CA-07585-11 Western conference cancer chemotherapy group
- P02CA-08023-10 0008 Cancer clinical research center - Staging methods for cancer therapy
- ** P02CA-08023-10 0012 Cancer clinical research center - Chemical methodology for breast tumor detection
- R10CA-08025-10 Acute leukemia group B
- R01CA-08231-10 0003 Radiobiology research program - Tumor bed damage and metastasis (mice)
- ** P02CA-08341-09 0036 Clinical pharmacology and cancer chemotherapy - CAM in solid tumors
- ** R01CA-08740-08 Etiological studies of mammary carcinoma (human, mice)
- P01CA-08748-09 5402 Research program of Sloan-Kettering Institute - Protein-lipid complexes of protolipid type in malignancy (human, rats, mice)
- ** P01CA-08748-09 5415 Research program of Sloan-Kettering Institute - Remission of rat mammary adenocarcinomas by selected drugs
- ** P01CA-08748-09 5536 Research program of Sloan-Kettering Institute - Calcium deposition in bone lesions following radiotherapy (human)
- P01CA-08748-09 5609 Research program of Sloan-Kettering Institute - Phosphate treatment on calcium metabolism in hyperparathyroidism (human)
- P01CA-08748-09 5729 Research program of Sloan-Kettering Institute - Carcinoembryonic (CEA) antigen (human)
- ** P01CA-08748-09 5740 Research program of Sloan-Kettering Institute - Estrogen binding in breast tissue (human)
- P01CA-08748-09 5925 Research program of Sloan-Kettering Institute - Non-steroidal anti-androgen effect on glandular element of prostate (dogs, cats)
- ** P01CA-08748-09 6523 Research program of Sloan-Kettering Institute - Intracytoplasmic type A particles concentrated from mammary carcinoma (mice)
- P01CA-08748-09 6907 Research program of Sloan-Kettering Institute - Immunofluorescent studies on human tumors - Search for antigens
- P01CA-08748-09 7802 Research program of Sloan-Kettering Institute - Cell-associated immunity to cancer (human, mice)
- P01CA-08748-09 7804 Research program of Sloan-Kettering Institute - Resistance to cancer and delayed hypersensitivity (human)
- P02CA-08832-08 0099 An integrated study of advanced malignant diseases - Circadian chronotherapeutic index
- P02CA-08832-08 0150 An integrated study of advanced malignant diseases - Four and five drug combination therapy in metastatic breast cancer (human)
- R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
- ** R01CA-08857-09 Urinary bladder carcinogenesis in man and animal (rabbits)
- ** R01CA-10064-12 Hormonally sensitive tumors (mice, rats)
- R10CA-10186-08 Western cancer study group
- R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
- R10CA-10456-07 Acute leukemia group B operations office
- R10CA-10572-06 Eastern cooperative oncology group
- ** R01CA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
- ** R01CA-10810-07 Statistical models of biomedical phenomena

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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- P01CA-10815-06 0017 Consolidated basic cancer research program - Immunotherapeutic and immunoprophylactic techniques in canine and murine tumors
- R01CA-10819-06 Synthesis and study of antitumor and endocrine agents (rats)
- P01CA-10893-06 0006 Cancer Research Center - Preneoplastic mammary lesions (mice)
- ** R10CA-10948-06 Eastern cooperative oncology group
- R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- P02CA-11051-06 0019 Clinical radiation research center - Carbon breathing during radiation therapy (human)
- P02CA-11051-06 0027 Clinical radiation research center - Iridium implantation boost technique (human)
- P02CA-11051-06 0054 Clinical radiation research center - Radiopathology-cytokinesis studies of human neoplasms
- ** R01CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
- R10CA-11083-07 Eastern cooperative oncology group (human)
- R10CA-11109-06 Eastern cooperative oncology group
- ** P02CA-11198-06 0001 Cancer research center - Influence of synthetic progestins on canine mammary glands & organ cultures
- ** P02CA-11198-06 0003 Cancer research center - Estrogen binding protein (dogs, toads, human)
- ** P02CA-11198-06 0004 Cancer research center - Biochemical characteristics of neoplasms (rodents, dogs, human)
- ** P02CA-11198-06 0006 Cancer research center - Xanthine oxidase (dogs, human, mice)
- ** R01CA-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
- P01CA-11405-06 0002 Core program on etiology of cancer - Morphogenesis of MTV in cell culture (human)
- ** P01CA-11405-06 0008 Core program on etiology of cancer - Characterization of mammary tumor virus in human milk and tissues
- P01CA-11405-06 0009 Core program on etiology of cancer - Effect of human milk on structure of mouse B particles
- P01CA-11405-06 0012 Core program on etiology of cancer - Immunology of human mammary tumor virus
- ** P01CA-11428-04 Epidemiology of cancer (human)
- R10CA-11488-05 Eortc coordinating agency and data center
- P01CA-11489-05 Program of epidemiological research in cancer
- ** P01CA-11535-05 Social epidemiology in prevention of cancer (human)
- P01CA-11536-05 0011 Cell control in integumental cancer - Early diagnosis of cancers and precancers
- P01CA-11536-05 0012 Cell control in integumental cancer - Malignant cell behavior and morphology (mice)
- ** R01CA-11603-05 Hormone-induced regression of cancers (rats)
- R01CA-11606-05 American Joint Committee
- ** R01CA-11628-05 Steroid-protein interactions and human breast cancer (rats)
- ** R01CA-11704-04 Prolactin (human)
- ** R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- ** R01CA-11944-04 Chemical carcinogenesis of mouse mammary glands (mice)
- R01CA-11969-03 Intermediary metabolism of cholesterol in cancer (rats, human)
- R01CA-11982-04 Influence of central nervous system on oncogenesis (rats)
- R10CA-12028-04 National surgical adjuvant breast project
- ** R10CA-12029-04 National surgical adjuvant breast project
- R10CA-12030-04 National surgical adjuvant breast project
- R10CA-12031-04 National surgical adjuvant breast project
- ** R10CA-12033-04 National surgical adjuvant breast project
- ** R10CA-12030-04 National surgical adjuvant breast project
- ** R10CA-12037-04 Primary breast cancer therapy group (NSABP)
- ** R10CA-12039-04 National surgical adjuvant breast project
- R10CA-12040-04 National surgical adjuvant breast project
- R10CA-12041-04 National surgical adjuvant breast project
- R01CA-12076-03 Cell kinetics in irradiated tumors of different growth (mice)
- R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
- R01CA-12102-04 Surgical management of the regional lymph node in cancer (mice, hamsters)
- ** P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
- P02CA-12178-04 0012 Radiotherapy-oncology center - Thyroid function after neck irradiation
- P02CA-12178-04 0015 Radiotherapy-oncology center - Post-mastectomy cobalt 60 radiation dosimetry
- P02CA-12197-03 0019 Multidisciplinary oncology research center - Health services research in clinical oncology
- P02CA-12197-03 0020 Multidisciplinary oncology research center - Socio-economic problems in designing cancer studies and care
- P02CA-12197-03 0029 Multidisciplinary oncology research center - Oncology statistics center
- ** R10CA-12240-04 National surgical adjuvant breast project
- R10CA-12258-03 Radiation therapy oncology group
- R10CA-12261-03 Radiation therapy oncology group
- R10CA-12262-03 Radiation therapy oncology group
- R10CA-12271-04 Central oncology group
- R10CA-12272-04 Central oncology group
- R10CA-12273-04 Central oncology group
- R10CA-12275-04 Central oncology group
- R10CA-12277-04 Central oncology group
- R10CA-12279-04 Central oncology group
- R10CA-12280-04 Central oncology group
- R10CA-12282-04 Central Oncology Group
- R10CA-12283-04 Central oncology group
- R10CA-12285-04 The central oncology group
- R10CA-12286-04 Central oncology group
- R10CA-12287-04 Central oncology group
- R10CA-12288-04 Central oncology group
- R10CA-12289-04 Central oncology group
- R10CA-12285-04 Central oncology group
- R10CA-12296-04 Cancer chemotherapy with Eastern Oncology Group
- ** P01CA-12376-03 0010 Environmental carcinogenesis - Breast and gynecological cancers (human)
- ** P01CA-12376-03 0011 Environmental carcinogenesis - Relationship of exogenous estrogens to breast and genital cancers (human)
- ** P01CA-12376-03 0013 Environmental carcinogenesis - Estrogens and mammary cancer (human)
- ** P01CA-12376-03 0014 Environmental carcinogenesis - Mammary receptor sites (rats)
- ** P01CA-12376-03 0015 Environmental carcinogenesis - Dietary mammary cancer promotional factors (human)
- ** P01CA-12376-03 0016 Environmental carcinogenesis - Transplantable mammary tumors (rats)
- P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- ** R01CA-12519-03 Identity and radioassay of prolactin in breast cancer (human)
- P01CA-12536-04 0001 Effects of small doses of ionizing radiation - Radiation carcinogenesis (rats)
- P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
- P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
- P01CA-12582-04 0002 Multidisciplinary cancer diagnosis and therapy - Antigenic specificity of different histologic types of neoplasms (human)
- P01CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
- P01CA-12582-04 0007 Multidisciplinary cancer diagnosis and therapy - Non-specific immunotherapy
- P01CA-12582-04 0010 Multidisciplinary cancer diagnosis and therapy - Combination chemo-immunotherapy
- P01CA-12662-03 0009 Cancer research center - Physical aspects of proton therapy (human)
- R01CA-12726-03 A new human blood factor purification
- P01CA-12800-03 0002 Immune functions and cancer - Tumor immunology (human, rats)
- R01CA-12808-03 Protein turnover during neoplasia (rats)
- ** R01CA-12836-03 Biochemical basis of hormone responsiveness in breast (human, rats)
- ** R01CA-12857-03 Function and interactions of mammary carcinoma cells (rats)
- ** R01CA-12869-04 Kansas breast study (human)
- P02CA-12924-03 0030 Tufts cancer research center - Somatic cell genetics (tissue culture)
- R01CA-12934-03 Tumorigenic potential in chromosome aberrations (human)
- R10CA-12985-03 Western cooperative cancer chemotherapy group
- ** R01CA-13028-03 Identification of breast cancer isoenzymes (human)
- P01CA-13038-03 0038 Experimental therapeutics and cancer drug program - Antitumor activity of new drugs and combinations
- P01CA-13038-03 0039 Experimental therapeutics and cancer drug program - Reversal of methotrexate by allopurinol
- P01CA-13038-03 0042 Experimental therapeutics and cancer drug program - Preliminary evaluation of new drugs in mice
- ** P01CA-13038-03 0076 Experimental therapeutics and cancer drug program - Cellular cytotoxicity against spontaneous mammary tumor (tissue culture)
- ** P01CA-13038-03 0077 Experimental therapeutics and cancer drug program - Fast and slow growing transplantable tumor
- R01CA-13186-02 Chemical blockade of iodine-Mammary gland responses (rats)
- ** R01CA-13223-02 Endocrine metabolic influence in endometrial carcinoma (human)
- R01CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
- R10CA-13237-03 Southeastern cancer study group
- ** R01CA-13261-03 Virus induction of nonviral mammary tumor antigens (mice)
- R01CA-13289-02 Role of regional lymph nodes in cancer surgery (human)
- R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
- R10CA-13314-02 Eastern Cooperative Oncology Group
- P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
- P01CA-13330-03 0007 Cancer research program - Cell kinetic studies (human, mice)
- ** P01CA-13330-03 0008 Cancer research program - Immunology of breast cancer (human, rabbits)
- P01CA-13330-03 0016 Cancer research program - Lymphocyte cell-mediated immunity in cancer (human, mice)
- P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
- R10CA-13611-02 Eastern cooperative oncology group
- R10CA-13612-01 Southwest Cancer Chemotherapy Study Group
- R01CA-13645-02 Sulfotransferases in normal and cancerous tissues (human, cattle)
- ** P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
- ** P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
- ** P02CA-13696-02 0008 Clinical cancer research center - Endocrine studies in breast cancer (human)
- ** P02CA-13696-02 0009 Clinical cancer research center - Organ culture of breast cancer tissue (human)
- P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
- ** P02CA-13696-02 0023 Clinical cancer research center - Chemotherapy of nervous system tumors-Clinical studies (human)
- ** P02CA-13696-02 0024 Clinical cancer research center - Chemotherapy of nervous system tumors-Laboratory studies (human)
- ** P02CA-13696-02 0025 Clinical cancer research center - Nervous neoplasms-Isotope concentration in tumor response (dogs)
- ** P02CA-13696-02 0026 Clinical cancer research center - Nervous neoplasms-Effect of contrast media at brain cellular level (human)
- ** P02CA-13696-02 0027 Clinical cancer research center - Neuroradiology of CNS tumors-Angiographic morphology and morphometry (human)
- ** P02CA-13696-02 0028 Clinical cancer research center - Neuroradiology of CNS tumors-Supersensitive catarization (dogs, human)
- ** P02CA-13696-02 0029 Clinical cancer research center - Neuroradiology of CNS tumors-Measuring blood flow and cerebral edema (human)
- ** P02CA-13696-02 0030 Clinical cancer research center - Educational programs on diagnosis and treatment of patients with CNS tumors
- ** P02CA-13696-02 0031 Clinical cancer research center - Tissue banks for tumors of the nervous system (human)
- ** P02CA-13696-02 0032 Clinical cancer research center - Virologic and immunologic studies of human brain tumors
- ** P02CA-13696-02 0033 Clinical cancer research center - Polyamine metabolism in relation to CNS tumor growth and detection (human)
- ** P02CA-13696-02 0053 Clinical cancer research center - Assigning nurses long-term responsibility for nervous neoplasms (human)
- ** P02CA-13696-02 0055 Clinical cancer research center - Planning total care of brain tumor patients (human)
- ** P02CA-13696-02 0068 Clinical cancer research center - Polyamine metabolism in the nervous system (human)
- R01CA-13713-02 Transformation of cells in vitro (rats)
- ** R01CA-13777-02 Potential of organ alkaloids in control of breast cancer (mice, rats)
- ** R01CA-13862-02 Genetic studies on cancer control (mice)
- ** R01CA-13881-02 Radiation in vitro-Mammary cell survival-Neoplasia (rats)
- R01CA-13914-02 Chemical carcinogenesis of the mammary gland (rats)
- ** P02CA-13943-02 0023 Clinical pharmacology immunology cancer research center - Effect of blocking immune factors on antitumor immunity to mouse mammary cancer
- ** P02CA-13943-02 0024 Clinical pharmacology immunology cancer research center - Effect of soluble antigen on antitumor immunity to mouse mammary cancer
- P02CA-13943-02 0032 Clinical pharmacology immunology cancer research center - Inflammation and cancer (human, mice)
- P02CA-13943-02 0033 Clinical pharmacology immunology cancer research center - Effect of mammary tumor virus (MTV) infection on immunocompetence (mice)
- ** P02CA-13943-02 0070 Clinical pharmacology immunology cancer research center - Chemotherapy of metastatic breast cancer (human)
- ** P02CA-13943-02 0071 Clinical pharmacology immunology cancer research center - Detection of immune responses to breast tumor antigens (human)
- ** P02CA-13943-02 0072 Clinical pharmacology immunology cancer research center - Virus particles in breast cancer patients
- ** R01CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
- R10CA-14028-01 Southwest Cancer Chemotherapy Study Group
- ** R01CA-14031-02 Breast cancer and prior use of hormones (human)
- R01CA-14040-01 Influence of portacaval shunt on tumor growth (rats)
- P01CA-14043-01 0006 Radiation therapy clinical and research center - Immunology of primary murine tumors

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- PO1CA-14043-01 0007 Radiation therapy clinical and research center - Breast cancer antigens and antibodies in human sera
- PO1CA-14043-01 0008 Radiation therapy clinical and research center - Anergy secondary to mediastinal radiation
- RO1CA-14078-02 Development of new anticancer agents (mice, rats)
- PO1CA-14089-01 0011 Pilot multidisciplinary cancer research program - Tumor antigens and antibodies in G I and bronchogenic cancer (human)
- R10CA-14144-02 Eastern cooperative oncology group
- RO1CA-14165-02 Optimization of radiation therapy (mice)
- RO1CA-14180-02 New aspects of neoplastic tissue lipid analysis (mammals)
- RO1CA-14185-02 Modified nucleosides in cancer chemotherapy (human, rats, primates)
- RO1CA-14200-02 Tumor inhibition by prolactin inhibiting factor (animals)
- ** RO1CA-14296-02 Androgen-estrogen production rates in breast cancer (human)
- RO1CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
- ** P02CA-14520-02 0013 Wisconsin Clinical Cancer Center - Vitamin B6, steroid hormones and anergy (human)
- P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
- RO1CA-14533-02 Radiobiological techniques in human cancer therapy (and mice)
- ** PO1CA-14599-01 0021 University of Chicago Cancer Research Center - Pathology evaluation of breast (human)
- ** PO1CA-14599-01 0022 University of Chicago Cancer Research Center - Immune status of patients with breast cancer
- ** PO1CA-14599-01 0023 University of Chicago Cancer Research Center - Human autologous regional lymphocyte-Breast cancer interaction
- ** PO1CA-14599-01 0024 University of Chicago Cancer Research Center - Hormonal milieu in breast cancer (human)
- ** PO1CA-14599-01 0025 University of Chicago Cancer Research Center - Estrogen receptors and breast cancer response to endocrine therapy (human)
- ** PO1CA-14599-01 0026 University of Chicago Cancer Research Center - Localization of estradiol receptor in human breast neoplasm
- ** PO1CA-14599-01 0027 University of Chicago Cancer Research Center - Treatment of non-metastatic breast cancer (human)
- ** PO1CA-14599-01 0028 University of Chicago Cancer Research Center - Use of cesium-131 in choice of therapy for metastatic cancer (human)
- ** PO1CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- RO1CA-14676-01 Regulation of cancer cell development (mice)
- ** RO1CA-14705-01 Radioiodine uptake and imaging in the human breast
- ** RO1CA-14727-01 Estrogen action on DMBA-induced mammary tumor (rats)
- RO1CA-14729-02 Detoxication pathways in normal and neoplastic tissues (rats)
- ** RO1CA-14768-01 Immunological parameters of spontaneous murine cancer (mice)
- PO1CA-14801-02 0007 Chemotherapy and regulation of oncogenic viruses - EM of virus in witch's milk from nursing infants (human, monkeys)
- RO1CA-14827-01 The effects of thymectomy in oncogenesis in humans
- RO1CA-14839-01 Induction of specific cell mediated immunity to neoplasia (guinea pigs)
- R10CA-14963-01 Central oncology group
- RO1CA-14972-01 Surgical removal of primary tumors, immunity and metastases (mice)
- RO1CA-15054-01 Cellular immunity and thymic radiation in human cancers
- ** P02CA-15083-01 0008 Cancer Center Support Grant-Mayo Foundation - Management of breast cancer (human)
- ** RO1CA-15104-01 Anovulation and the epidemiology of breast cancer (human)
- ** P02CA-15145-01 0031 Cancer center support grant - Estrogen action on DMBA-induced mammary tumor in rats
- ** P02CA-15145-01 0048 Cancer center support grant - Mammary adonocarcinoma-Cell glycoprotein coat (mice, human)
- ** P02CA-15145-01 0053 Cancer center support grant - Breast cancer task force
- RO1CA-15162-01 Mechanisms of hydrocarbon carcinogenesis in rats
- RO1CA-15185-02 Establishment and use of animal lymphocyte lines (mice, rats)
- ** RO1CA-15196-01 Regulation of fatty acid biosynthesis in mammary tumors (rats)
- ** RO1CA-15202-01 Immunological studies in patients with breast cancer
- R10CA-15241-02 Central oncology group
- ** RO1CA-15362-01 Polyamine metabolism in mammary cancer (rats)
- RO1CA-15385-01 Mechanism of antitumor effect of portacaval shunt (rats)
- R10CA-15488-01 Eastern Cooperative Oncology Group
- RO1CA-15511-01 Radiotherapy planning based on cell kinetics (mice)
- ** RO1CA-15574-01 Hypothalamic-pituitary function and mammary neoplasia
- R10CA-15578-01 Southeastern Cancer Study Group
- RO1CA-15586-01 Enhancement and cellular injury in tumor systems (rats, human)
- PO1CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)
- ** PO1CA-15655-01 0040 Cancer center support grant - Neoplastic response to 5-fluorouracil therapy (human)
- ** P02CA-15688-01 0015 Program in medical oncology - Adjuvant chemotherapy, carcinoma of the breast
- ** PO1CA-15704-01 0041 Cancer center support grant - Breast cancer detection
- RO1CA-15728-01 Role of platelets and clotting in metastasis (mice, human)
- ** PO1CA-15823-01 0005 Program in developmental biology of cancer - Lysis of basement membranes in neoplastic tissues (mice)
- ** RO1CA-15831-01 Nuclear envelope in normal and tumor cells (mice)
- RO1CA-15857-01 Clinical chemotherapy and pharmacology
- PO1CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
- ** PO1CA-15936-01 0016 Specialized Cancer Center - Immunological research (human, mice)
- RO1CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)
- ** RO1CA-15960-01 Immunotherapy of mammary tumors (mice)
- ** RO1CA-15979-01 0003 Cholesterol metabolism in normal and malignant liver - Cholesterol feedback system in vivo (rats, guinea pigs, human)
- RO1CA-15988-01 Immune surveillance and cancer (mice)
- ** RO1CA-16000-01 Diet and breast cancer in Japanese-American women
- ** PO1CA-16038-01 0002 Program on the molecular basis of viral transformation - Evidence of oncovirus in milk and risk of breast cancer
- PO1CA-16127-01 0009 Cancer Research and Treatment Center Program - Relationships between immunoglobulin allotypic markers and cancer (human)
- ** RO1CA-16149-01 Role of prolactin in breast and prostate cancer (human)
- PO1CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- ** PO1CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)
- ** RO1CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- PO1CA-16359-01 0035 Cancer center support grant - Effects of chronic graft-versus-host disease (mice)
- PO1CA-16359-01 0059 Cancer center support grant - Medical oncology
- RO1CA-16377-01 Ultrastructure of experimental tumor cell surface (rats, mice)
- ** RO1CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- R18CA-16400-01 0001 Cancer control development grant - Screening (human)
- R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)
- R18CA-16400-01 0004 Cancer control development grant - Epidemiology (human)
- R18CA-16401-01 0004 University of Chicago cancer control center - Gynecologic cancer detection and control
- ** R18CA-16405-01 0001 Development of regional cancer control program - Endocrine studies in breast cancer screening (human)
- RO1CA-17117-01 Protective environment in intensive cancer therapy (human)
- NO1CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
- ** NO1CB-02208-04 Pre-clinical studies on tumor protective activity of MER (mice, guinea pigs)
- ** NO1CB-23230-02 Provide patient input for primary breast cancer study
- ** NO1CB-23231-02 Provide patient input for primary breast cancer study
- ** NO1CB-23232-02 Patient input for primary breast cancer study
- ** NO1CB-23856-02 Cellular control in mammary involution and dedifferentiation (rats, cattle, mice)
- NO1CB-23857-02 Protein nucleic acid interactions (mice)
- ** NO1CB-23858-02 Diagnostic characterization of mammary tumors (human)
- ** NO1CB-23859-02 The role of prolactin in breast cancer (human, rats)
- ** NO1CB-23860-02 Documentation of human breast cancer in tissue culture
- ** NO1CB-23861-02 Hormonal requirements of normal and abnormal human mammary tissue
- ** NO1CB-23862-03 Biochemical mechanism of endocrine induced cancer regression (human, rats)
- NO1CB-23863-02 Isolation of prolactin cells from the human and rat adenohypophysis
- ** NO1CB-23864-02 The prevention of metastasis in mammary cancer (rats)
- ** NO1CB-23865-02 Basic biological events in the pathogenesis of mammary cancer (rats)
- ** NO1CB-23866-03 The in vitro cell and mammary cancer (human, rats)
- ** NO1CB-23867-03 Collection of specimens from patients with breast cancer
- ** NO1CB-23868-02 Tissue culture lines from patients with breast cancer
- ** NO1CB-23869-01 Establish tissue culture lines from human breast cancer
- ** NO1CB-23872-05 Ultrasound mammography
- ** NO1CB-23873-02 Breast cancer (rats)
- ** NO1CB-23876-02 Primary breast cancer therapy group (NSABP)
- NO1CB-23878-03 Immune responses of mice and rats to tumor associated antigens (also hamsters)
- NO1CB-23879-02 Establishment and maintenance of blood serum bank (human)
- NO1CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- ** NO1CB-33856-02 Study breast cancer transplantability in nude athymic mice (human)
- NO1CB-33880-01 Isoenzymes in normal, preneoplastic and neoplastic breast tissues
- ** NO1CB-33881-01 Prolactin radioimmunoassays for breast cancer (human)
- ** NO1CB-33885-01 Overweight in breast cancer epidemiology (human)
- ** NO1CB-33880-01 Cell kinetics of breast cancer (human)
- ** NO1CB-33896-02 Tumor immunity and immunotherapy of rat mammary tumor
- ** NO1CB-33898-02 Cultivation of normal and malignant human mammary cells
- ** NO1CB-33899-01 Chemotherapy utilizing 5-FU, cytosan and prodrisonone (human)
- ** NO1CB-33901-01 Breast cancer family resources
- ** NO1CB-33902-02 Breast cancer and estril dynamics
- ** NO1CB-33903-01 Cell kinetics of breast cancer (human)
- ** NO1CB-33905-01 Effect or molecule binding to mammary cell surfaces
- ** NO1CB-33906-01 Cell types in cultures of normal and neoplastic breast tissues (human, animals)
- ** NO1CB-33909-01 Roles of 3',5'-cyclic AMP and enzyme systems in mammary gland neoplasia (mice)
- ** NO1CB-33910-02 Biochemical means by which effector molecules bind to mammary cell (human)
- ** NO1CB-33912-01 Biochemical means by which effector molecules bind to mammary cell (human)
- ** NO1CB-33918-01 Role of prostaglandins in mammary gland neoplasia (human)
- ** NO1CB-33919-02 Role of prostaglandins in mammary gland neoplasia (mice)
- ** NO1CB-33921-01 Chronic mastopathy and breast cancer
- NO1CB-43853-00 Assays for immune depression in cancer patients
- NO1CB-43854-00 Isolation and tissue culture of human tumor cells
- NO1CB-43858-00 Nature of interactions between tumor cells and immunoglobins
- NO1CB-43860-00 Development of immunodiagnostic tests for cancer
- NO1CB-43861-00 Procurement of tumor and serum from cancer patients
- ** NO1CB-43866-00 Mammary gland responsiveness to multiple hormones
- ** NO1CB-43867-00 Estrogen binding and estrophile proteins in human breast cancer
- ** NO1CB-43869-00 Mass screening for breast cancer (human)
- ** NO1CB-43871-00 Fibrocystic disease of the female breast and mammary carcinoma
- ** NO1CB-43881-00 Antibodies to human tumor cells
- ** NO1CB-43882-00 Antibodies to carcinoma in experimental animals
- NO1CB-43893-00 Migration inhibition assays (mice, human)
- ** NO1CB-43897-00 Steroid sulfate as diagnostic parameters in breast cancer
- ** NO1CB-43898-00 Steroid sulfate as diagnostic parameters in breast cancer
- ** NO1CB-43899-00 New techniques for the study of cell kinetics of breast cancer
- ** NO1CB-43900-00 Steroid sulfation and estrogen binding in human breast cancer
- ** NO1CB-43904-00 Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman)
- ** NO1CB-43905-00 Mammary gland responsiveness to multiple hormones (rats)
- ** NO1CB-43900-00 Growth alteration of mammary neoplastic cells (human, animals)
- ** NO1CB-43907-00 Stroma in growth of neoplastic lesions of mammary gland (mice)
- ** NO1CB-43908-00 Preneoplastic lesions of the human mammary gland
- ** NO1CB-43914-00 Predictable transplantable mammary tumor model (animals)
- ** NO1CB-43916-00 Hormone therapy plus chemotherapy in patients with breast cancer
- ** NO1CB-43917-00 Therapy of carcinoma of the breast (human)

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 **Oriented significantly to above subject.
 N Grant has subprojects describing specific research aspects.

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- NO1CB-43939-00 Aryl hydrocarbon and 16d hydroxylose in high and low risk breast cancer (human)
- ** NO1CB-43940-00 Family and genetic studies in human breast cancer
- ** NO1CB-43969-00 Prediction of breast cancer response to adrenalectomy
- ** NO1CB-43973-00 Familiality of breast cancer in Iceland
- ** NO1CB-43990-00 Therapy of carcinoma of breast (human)
- ** NO1CB-43991-00 Hormone therapy plus chemotherapy in patients with breast cancer
- NO1CB-44002-00 Biochemical and physiological investigations in familial genetic patterns
- NO1CB-44003-00 Biochemical and physiological investigations based on familial genetic patterns
- ** NO1CB-44004-00 Genetic polymorphism in high and low risk breast cancer families
- NO1CB-44011-00 Xeromammography versus film mammography (human)
- NO1CB-44012-00 Xeromammography versus film mammography (human)
- ** NO1CB-50573-16 Statistical services for breast cancer groups
- ** NO1CB-71465-09 Steroid excretion study in patients with breast cancer
- ** NO1CB-90033-10 Study of mammary tumors in dogs
- ** NO1CM-12185-05 Research on carcinoma of the breast (human)
- ** NO1CM-22072-04 Clinical trials of carcinoma of the breast
- ** NO1CM-22074-06 Services for research and experimentation on breast carcinoma
- ** NO1CM-23703-06 Therapy evaluation against spontaneous mammary cancer (mice)
- NO1CM-33714-01 Clinical trials for breast and gastrointestinal cancer and brain tumors
- ** NO1CN-35003-04 Twelfth Annual Conference on Breast Cancer
- ** NO1CN-35004-02 Demonstration project on earlier detection of breast cancer
- ** NO1CN-35012-04 Demonstration project on earlier detection of breast cancer (human)
- ** NO1CN-35016-02 Breast cancer detection demonstration project
- ** NO1CN-35018-02 Breast cancer detection demonstration project
- ** NO1CN-35020-03 Breast cancer detection demonstration project
- ** NO1CN-35022-03 Programs to achieve early detection of breast cancer
- ** NO1CN-35024-01 Breast cancer detection demonstration project
- ** NO1CN-35026-02 Breast cancer detection demonstration project
- ** NO1CN-35027-02 Evaluation of thermography in mass screening for breast cancer (human)
- ** NO1CN-35028-04 Breast cancer detection demonstration project (human)
- ** NO1CN-35029-01 Breast cancer detection demonstration project
- ** NO1CN-45046-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45047-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45049-00 Demonstration project on the earlier detection of breast cancer
- ** NO1CN-45054-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45055-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45058-00 Breast cancer detection demonstration project
- ** NO1CN-45062-00 Early detection of breast cancer (human)
- ** NO1CN-45064-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45065-00 Demonstration project on the earlier detection of breast cancer
- ** NO1CN-45067-00 Breast cancer detection demonstration project
- ** NO1CN-45068-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45088-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45095-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45096-00 Breast cancer detection demonstration project (human)
- ** NO1CN-45098-00 Early detection of breast cancer (human)
- ** NO1CN-45129-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45137-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45139-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45140-00 Demonstration project in breast cancer
- ** NO1CN-45143-00 Prototype network demonstration in breast cancer
- ** NO1CN-45145-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45146-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45149-00 Network demonstration project in breast cancer
- ** NO1CN-45151-00 Prototype network demonstration project in breast cancer
- ** NO1CN-45161-00 Data management center for the breast cancer demonstration projects
- NO1CO-45425-01 Resources analysis and planning for NCP
- NO1CP-23213-03 Shifts in cancer risks among Japanese migrants
- ** NO1CP-23237-02 B-type particles from human milk in Israel
- NO1CP-33216-01 Japan-Hawaii cancer study
- ** NO1CP-33218-02 Cellular immunity in breast cancer (mice)
- NO1CP-33238-02 Interactions between diet and chemical carcinogenesis (rats)
- ** NO1CP-33239-02 Virological studies of breast cancer (human, mammals)
- ** NO1CP-33253-01 In vitro cultivation of human and mouse mammary tumor viruses
- NO1CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
- NO1CP-33293-03 Study role of virion-associated DNA polymerase
- ** NO1CP-33304-03 Relationship of viruses to human leukemia, lymphoma and breast cancer
- ** NO1CP-33321-01 Study on breast lesions (human)
- ** NO1CP-33339-02 Human milk and mammary tumors (chickens)
- ** NO1CP-33347-05 High risk breast cancer families (human)
- ** NO1CP-33355-01 Purification and characterization of viruses
- ** NO1CP-33358-01 Hormonal factors on induction of breast tumors (monkeys, rats, human)
- ** NO1CP-33359-01 Procuring fibroblast cultures and human tumors
- ** NO1CP-33398-01 Immunologic responses of breast cancer
- ** NO1CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
- ** NO1CP-43229-00 Carcinogenesis by radiation plus estrogen (rats)
- ** NO1CP-43249-00 Application of animal virus model systems to human neoplasia
- ** NO1CP-43287-00 Correlation of molecular virology to diagnosis of breast cancer
- ** NO1CP-43358-00 Immunological studies on animal breast carcinoma (mice)
- ** NO1CP-43370-00 Immunological studies on breast carcinoma (human, mice)
- NO1CP-43385-00 Regulation of gene expression in mouse mammary cancer
- ** NO1CP-50053-18 Human breast cancer studies
- NO1CP-81010-10 Human trophoblast cell line
- PI0ES-00002-12 0001 Occupational and environmental health - Environmental carcinogenesis (human)
- ** PI0ES-00260-12 0029 Research in the environmental health sciences - Breast cancer after postpartum mastitis
- RO1ES-00550-04 Metabolism and cocarcinogenicity of cyclopropenes (trout, rats, mice)
- RO1FD-00634-11 Neoplasms in irradiated human populations
- ** RO1GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
- RO1GM-17019-05 Differentiated cell cultures (rats)
- PO1GM-17702-05 0006 Human biochemical genetics - Inherited diseases in cultures of differentiated cells (hamsters, rats, human)
- PO1GM-17806-05 0016 Nutritional factor effects on drug action - Possible endocrine abnormalities in seizure-prone animals
- RO1GM-19227-03 Determination of steroids in blood (human)
- ** PO1GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- ** RO1GM-19864-01 Real-time conversion of thermal to visible pictures
- RO1GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)
- RO1HD-04164-05 Aging of mammary epithelium (mice)
- RO1HD-08924-01 Role of brain monoamines in gonadotropin release (rats)
- ** NO1HD-22729-06 Repository for tissue evaluation of contraceptive steroids (monkeys, dogs)
- ** NO1HD-42800-00 Study risks for cancer among users of oral contraceptives
- RO1HL-06975-13 Pathogenesis of hypertension (rats, human)
- PO1IMH-11668-09 0066 Psychosocial factors in health and disease - Psychosocial factors in long term survival in neoplasia
- PO1IMH-11668-09 0096 Psychosocial factors in health and disease - Psychology of the cancer patient
- MO1RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
- ** MO1RR-00034-14 0047 General clinical research center - Prolactin secretion in breast cancer (human)
- MO1RR-00044-14 0090 General clinical research center - Absorption and excretion of calusterone (human)
- ** MO1RR-00050-13 0072 Wilson's disease - Evaluation of new treatment in patients with metastatic breast cancer
- MO1RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
- MO1RR-00051-13 0081 General clinical research center - Regulation of prolactin secretion (human)
- MO1RR-00051-13 0152 General clinical research center - Cancer chemotherapy in solid tumors with poor prognosis (human)
- ** MO1RR-00053-13 0008 Clinical research center - Measurement of 2-hydroxyestrone in biological fluids (human)
- ** MO1RR-00053-13 0010 Clinical research center - Kinetics of estradiol metabolism in man
- MO1RR-00053-13 0020 Clinical research center - Episodic production of C19 steroids in pathological conditions (human)
- ** MO1RR-00053-13 0022 Clinical research center - Growth hormone in breast cancer (human)
- MO1RR-00053-13 0024 Clinical research center - Paradoxical estrogen response to dexamethasone (human)
- ** MO1RR-00053-13 0067 Clinical research center - Steroid metabolism in breast cancer (human)
- MO1RR-00053-13 0069 Clinical research center - Metabolism of adrenal and gonadal steroids-Androgens (human)
- MO1RR-00053-13 0073 Clinical research center - Steroid metabolism-Non-specific illness effects and drug effects (human)
- ** MO1RR-00059-13 0127 General clinical research center - Pathophysiology of human breast cancer epidemiology
- ** MO1RR-00063-12 0075 General clinical research center - Antineoplastic agents in breast cancer (human)
- ** MO1RR-00080-12 0066 General clinical research center - Adriamycin in metastatic breast cancer (human)
- MO1RR-00080-12 0067 General clinical research center - Human prolactin studies
- ** MO1RR-00080-12 0081 General clinical research center - Five drug therapy in breast carcinoma (human)
- MO1RR-00334-08 0005 General clinical research center - Organ infusion (human)
- MO1RR-00334-08 0013 General clinical research center - Adrenalectomy and hypophysectomy in breast carcinoma
- MO1RR-00334-08 0014 General clinical research center - Effect of hormones on estrogen receptor activity in tissue culture (human)
- ** MO1RR-00425-06 0067 General clinical research center - Chemotherapy of metastatic breast cancer (human)
- ** MO1RR-00833-01 0009 General clinical research center - Prolactin secretion in man
- REPRODUCTIVE SYSTEM NEOPLASMS, BREAST NEOPLASMS, MAMMOGRAPHY**
- RO1CA-14705-01 Radioiodine uptake and imaging in the human breast
- R18CA-16405-01 0001 Development of regional cancer control program - Endocrine studies in breast cancer screening (human)
- ** NO1CB-23872-05 Ultrasound mammography
- ** NO1CB-44011-00 Xeromammography versus film mammography (human)
- ** NO1CB-44012-00 Xeromammography versus film mammography (human)
- ** NO1CP-43278-00 Study of value of mammography
- REPRODUCTIVE SYSTEM NEOPLASMS, GERM CELL NEOPLASMS**
- PO2CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatric oncology program
- PO2CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
- R10CA-11796-05 Childrens cancer study group A
- ** PO2CA-12247-03 0024 Pediatric oncology center - Germinal tumors of the gonads, pineal and sacrococcygeum (human, mice)
- ** RO1CA-14953-01 Malignancy in mouse germ cell-Cancer cell hybrids
- R10CA-15977-01 Gynecologic Oncology Group
- RO1CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
- MO1RR-00055-13 0096 General clinical research center - Hypophysectomy in treatment of embryonal cell testicular tumor (human)
- REPRODUCTIVE SYSTEM NEOPLASMS FEMALE**
- PO2CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
- PO2CA-08341-09 0031 Clinical pharmacology and cancer chemotherapy - Molecular interaction of estrogens, androgens and progestins (mammals)
- RO1CA-08349-09 Potential tumor or organ imaging agents
- ** PO1CA-08748-09 5928 Research program of Sloan-Kettering Institute - Viral associated antigens in gynecologic cancers (human)
- RO1CA-11606-05 American Joint Committee
- ** R10CA-12535-04 Gynecologic oncology group
- ** PO2CA-13053-03 0067 Clinical cancer radiation therapy research center - Immunological reactivity of patients with gynecological malignancy
- ** RO1CA-13494-02 Cell analysis of some virus-associated tumors of man
- PO2CA-13696-02 0044 Clinical cancer research center - Evaluation of cancer diagnosis by an ultrasonic imaging system (human)
- ** PO2CA-13696-02 0058 Clinical cancer research center - Neoplasia-Related project in progress (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** P02CA-13943-02 0066 Clinical pharmacology immunology cancer research center - Clinical gynecology program
 ** P02CA-13943-02 0067 Clinical pharmacology immunology cancer research center - Immunologic detection and assessment in patients with gynecologic malignancies
 ** P01CA-14089-01 0043 Pilot multidisciplinary cancer research program - Gynecologic oncology program
 ** P01CA-14395-02 0036 Cancer research center of Greater Miami - Programmed chemotherapy and cell kinetics in gynecologic cancer
 ** P02CA-14520-02 0025 Wisconsin Clinical Cancer Center - Computerized program for treatment and care-gynecologic oncology
 ** P01CA-15704-01 0043 Cancer center support grant - Gyna corps
 P01CA-16359-01 0058 Cancer center support grant - Cancer related clinical activities
 R18CA-16401-01 0001 University of Chicago cancer control center - Cancer control center coordinating office
 ** R18CA-16401-01 0004 University of Chicago cancer control center - Gynecologic cancer detection and control
 R18CA-16404-01 0001 Cancer control development grant - Social epidemiology of cancer care delivery and control
 N01CB-33873-02 Information requirements for in vivo processing of cell samples
 ** N01CB-43945-00 Markers applicable to gynecologic cytopathology specimens (human)
 M01RR-00051-13 0081 General clinical research center - Regulation of prolactin secretion (human)

REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, OVARY NEOPLASMS

SEE ALSO REPRODUCTIVE SYSTEM DISORDERS, FEMALE, OVARIAN CYSTS

SEE ALSO REPRODUCTIVE SYSTEM DISORDERS FEMALE, POLYCYSTIC OVARY

P02AM-13430-05 0012 Research and heredity clinic - Human cancer
 P01CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
 R01CA-02662-19 Investigations on teratocarcinogenesis (mice)
 R10CA-03750-17 Childrens cancer study group A
 R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
 R10CA-05186-14 Western cancer study group
 P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
 P02CA-05838-13 0029 Clinical radiotherapy cancer research center - Surgical pathology laboratory
 ** R01CA-05985-13 0004 Stages of carcinogenesis of the cervix uteri in mice - Single locus models for ovarian and pituitary tumorigenesis (mice)
 P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
 P02CA-06516-12 0007 Cancer center support grant - Comprehensive - Adult solid tumors
 R10CA-06594-12 Eastern cooperative oncology group
 P02CA-08341-09 0034 Clinical pharmacology and cancer chemotherapy - CCMU
 P01CA-08748-09 6207 Research program of Sloan-Kettering Institute - Proliferation kinetics of cancer cells related to therapy (human)
 ** P02CA-08832-08 0124 An integrated study of advanced malignant diseases - Ovary study-Gathering UMN data 1958-1968
 P01CA-10815-06 0017 Consolidated basic cancer research program - Immunotherapeutic and immunoprophylactic techniques in canine and murine tumors
 P02CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)
 P02CA-10895-06 0003 Adult leukemia research center - High dose cyclophosphamide therapy (human)
 P02CA-10895-06 0009 Adult leukemia research center - Laminar air flow (human)
 R10CA-10948-06 Eastern cooperative oncology group
 R10CA-11109-06 Eastern cooperative oncology group
 R01CA-11606-05 American Joint Committee
 ** P02CA-11911-04 0019 Clinical cancer center - Surgery and chemotherapy for stage III and IV ovarian cancer
 R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
 R01CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
 ** P02CA-12178-04 0002 Radiotherapy-oncology center - Combined surgery, chemotherapy and radiotherapy in ovarian carcinoma
 ** P02CA-12197-03 0027 Multidisciplinary oncology research center - Immunological studies of gynecological malignancies (human)
 P02CA-12197-03 0029 Multidisciplinary oncology research center - Oncology statistics center
 R10CA-12252-03 Radiation therapy oncology group
 ** R10CA-12476-04 Gynecologic oncology group
 ** R10CA-12477-04 Gynecologic oncology group
 ** R10CA-12478-04 Gynecologic oncology group
 R10CA-12481-04 Gynecologic oncology group
 ** R10CA-12482-04 Gynecologic oncology group

** R10CA-12483-04 Gynecologic oncology group
 R10CA-12484-04 Gynecologic oncology group (human)
 ** R10CA-12485-04 Gynecologic oncology group (human)
 ** R10CA-12534-04 Gynecologic oncology group
 P01CA-12662-03 0011 Cancer research center - Radiation response and the intestinal bacterial flora
 ** P01CA-12662-03 0012 Cancer research center - Murine ovarian carcinoma
 R01CA-12903-03 Human uterus receptors and responses to steroids
 ** P02CA-12924-03 0037 Tufts cancer research center - Ovarian cancer
 R01CA-12934-03 Tumorigenic potential in chromosome aberrations (human)
 ** P02CA-13148-03 0003 Pilot cancer center - Fine structural observations on gynecologic malignancies
 ** R01CA-13271-06 Automated cancer cell diagnosis by the ticas method
 P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
 R01CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
 ** R10CA-13446-01 Gynecologic Oncology Group
 R10CA-13611-02 Eastern cooperative oncology group
 R10CA-13612-02 Southwest Cancer Chemotherapy Study Group
 ** R10CA-13631-02 Gynecologic oncology group
 ** R10CA-13632-03 Gynecologic oncology group
 ** R10CA-13633-03 Gynecologic oncology group
 ** P02CA-13696-02 0022 Clinical cancer research center - Tumorigenesis in primate ovaries and testes
 ** R10CA-13887-02 Gynecologic oncology group
 ** R01CA-13908-02 Gonadotropin-receptors in normal and neoplastic ovaries (human, cows, rats)
 R10CA-14215-02 Eastern cooperative oncology group
 ** R01CA-14239-02 Elucidation of polyamine conjugates in urine (human)
 ** R01CA-14297-02 Immuno-diagnosis of ovarian carcinoma (human, rabbits)
 ** P01CA-14395-02 0012 Cancer research center of Greater Miami - Antigens from genital tumors (human)
 P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
 ** P01CA-14599-01 0040 University of Chicago Cancer Research Center - Management of ovarian carcinoma (human)
 R01CA-14854-01 Cancer cell surface glycoproteins (mice, human)
 ** R01CA-14941-01 Epidemiologic study of primary cancer of the ovary (human)
 ** P02CA-15145-01 0014 Cancer center support grant - Ovarian cancer-Gynecologic oncology group
 R10CA-15241-02 Central oncology group
 ** R01CA-15256-01 A radioimmunoassay for ovarian cancer (human)
 R10CA-15488-01 Eastern Cooperative Oncology Group
 ** R01CA-15622-01 Endocrinology of experimental ovarian tumors (parabiotic rats)
 R01CA-15656-01 Carcinogenic action of estrogens in primates
 ** P02CA-15688-01 0016 Program in medical oncology - Intensive combination therapy, ovarian carcinoma
 ** R10CA-15975-01 Gynecologic oncology group
 ** R10CA-15977-01 Gynecologic Oncology Group
 R01CA-16309-01 Carcino fetal isoferritins (human)
 P01CA-16359-01 0059 Cancer center support grant - Medical oncology
 R01CA-16377-01 Ultrastructure of experimental tumor cell surface (rats, mice)
 R01CA-17117-01 Protective environment in intensive cancer therapy (human)
 N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
 ** N01CM-43703-00 Chemotherapy of ovarian carcinoma (human)
 R01GM-17019-05 Differentiated cell cultures (rats)
 ** P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
 P01HD-05523-04 0005 Analysis of genetic effects on aging - Life span shortening effects of mutant alleles at the W locus (mice)
 ** R01HD-07651-02 Ovarian growth factor, control of ovarian tumors (rats)
 R01HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)
 ** M01RR-00828-01 0036 General clinical research center - Combined chemotherapy and immunotherapy for CA of ovary and colon (human)

REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS NEOPLASMS

SEE ALSO DIAGNOSTIC TESTS, CYTODIAGNOSIS, VAGINAL SMEARS*

R01CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
 R01CA-05654-14 Evaluation of supervoltage therapy (human)
 ** P02CA-05826-13 0080 Clinical cancer research center - Endometrial and breast cancer (human)
 P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)

P01CA-06373-12 Epidemiologic studies of cancer (human)
 ** P02CA-06519-12 0057 Radiation therapy and biology research program - Evaluation of radiotherapy in carcinoma of the endometrium (human)
 P01CA-08748-09 5729 Research program of Sloan-Kettering Institute - Carcinoembryonic (CEA) antigen (human)
 P01CA-08748-09 5911 Research program of Sloan-Kettering Institute - Radioimmunoassay of pituitary and chorionic gonadotropin in endometrial cancer
 P01CA-08748-09 5918 Research program of Sloan-Kettering Institute - Steroid hormone receptors in normal and malignant uterus (chickens, rabbits)
 ** P01CA-08748-09 5927 Research program of Sloan-Kettering Institute - HL-A antigens in women with trophoblastic neoplasms
 ** P01CA-08748-09 5929 Research program of Sloan-Kettering Institute - Effect of steroid hormones on DNA synthesis of endometrial cancers
 ** R01CA-08857-09 Urinary bladder carcinogenesis in man and animal (rabbits)
 ** P02CA-11051-06 0022 Clinical radiation research center - Radiation response and uterine cancer (human)
 ** P02CA-11051-06 0037 Clinical radiation research center - Radiation in uterine sarcoma management (human)
 ** R01CA-11703-05 Cervical cancer epidemiology and genital infections (human)
 R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)
 ** R01CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
 ** P02CA-12178-04 0003 Radiotherapy-oncology center - Carcinoma of endometrium
 ** P02CA-12197-03 0027 Multidisciplinary oncology research center - Immunological studies of gynecological malignancies (human)
 R10CA-12262-03 Radiation therapy oncology group
 R01CA-12903-03 Human uterus receptors and responses to steroids
 P01CA-12923-02 0020 A correlated study on the biology of neoplasia - Cellular populations evolving in neoplastic progression (human)
 ** P02CA-13148-03 0072 Pilot cancer center - Early indicators of endometrial cancer (human)
 ** R01CA-13223-02 Endocrine metabolic influence in endometrial carcinoma (human)
 ** R01CA-13271-06 Automated cancer cell diagnosis by the ticas method
 P01CA-13330-03 0002 Cancer research program - Cancer therapy evaluation programs (human)
 ** R01CA-13427-02 Hormonal mechanisms endometrial carcinoma (human, rabbits)
 R01CA-13441-03 Flow analysis of normal and neoplastic cells (human, cattle)
 P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
 P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
 ** P01CA-15655-01 0013 Cancer center support grant - Acceptance or rejection of malignant cell invasion (rats)
 ** P01CA-15655-01 0034 Cancer center support grant - Cytogenetic screening-Endometrial disorders (human)
 R01CA-15656-01 Carcinogenic action of estrogens in primates
 ** P01CA-15704-01 0042 Cancer center support grant - Uterine cancer
 ** P01CA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinoma (human, hamsters)
 R18CA-16401-01 0004 University of Chicago cancer control center - Gynecologic cancer detection and control
 ** R18CA-16401-01 0005 University of Chicago cancer control center - Hormonal screening for endometrial carcinoma
 ** R18CA-16405-01 0002 Development of regional cancer control program - Colposcopy program (human)
 ** N01CA-45059-00 A critical evaluation of mass screening for uterine cancer (human)
 ** N01CN-45071-00 Cytology demonstration project for a Southwestern American Indian population
 N01CN-45122-00 Incidence and natural history of genital tract anomalies and cancer
 N01CP-33246-02 Center for epidemiologic investigation of cancer
 R01HD-02860-07 Quantitative human chromosome study aided by computer (also hamsters)
 R01HD-06726-03 Effects of estrogen on human uterine tissue in vitro
 ** N01HD-42800-00 Study risks for cancer among users of oral contraceptives
 ** M01RR-00633-02 0051 General clinical research center - Hormonal milieu of endometrial neoplasm (human)

REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS NEOPLASMS, CERVIX NEOPLASMS

SEE ALSO NEOPLASTIC CELLS, HELA CELLS
 R10CA-02824-19 Eastern cooperative oncology group
 R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
 R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- R10CA-05186-14 Western cancer study group
R10CA-05654-14 Evaluation of supervoltage therapy (human)
- P02CA-05831-13 0034 Cancer clinical research - Immunological reactivity in carcinoma patients receiving radiotherapy
- ** P02CA-05834-13 0048 Cancer clinical research center - Gynecologic cancers (human)
- ** R01CA-05985-13 0001 Stages of carcinogenesis of the cervix uteri in mice - Promoting effect of enovid on cervical carcinoma (mice)
- ** P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- ** P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
P02CA-06294-13 0016 Radiotherapy research - Immunological reactivity with irradiation (human)
- ** P02CA-06518-11 0032 Radiation and radiobiology research center - Invasive carcinoma of the cervix (human)
- ** P02CA-06519-12 0058 Radiation therapy and biology research program - Radiation therapy for carcinoma of cervix
P02CA-08341-09 0034 Clinical pharmacology and cancer chemotherapy - CCNU
- ** P01CA-10893-06 0017 Cancer Research Center - Herpesvirus and cervical cancer
P02CA-11051-06 0019 Clinical radiation research center - Carbogen breathing during radiation therapy (human)
- ** P02CA-11265-05 0032 General clinical cancer research center - Cryosurgery for cervical cancer
- ** P01CA-11428-04 Epidemiology of cancer (human)
** P01CA-11489-05 Program of epidemiological research in cancer
- ** P01CA-11535-05 Social epidemiology in prevention of cancer (human)
R01CA-12109-04 0022 Trophoblastic disease - RNA, gonadotropin, and dehydrogenase synthesis in trophoblast
- ** P02CA-12178-04 0004 Radiotherapy-oncology center - Carcinoma of the cervix
- ** P02CA-12197-03 0031 Multidisciplinary oncology research center - Herpes viruses, Luche renal adenocarcinoma and cervical cancer (human, anurans)
R10CA-12252-03 Radiation therapy oncology group
R10CA-12255-02 Radiation therapy oncology group
R10CA-12261-03 Radiation therapy oncology group
R10CA-12262-03 Radiation therapy oncology group
P01CA-12376-03 0010 Environmental carcinogenesis - Breast and gynecological cancers (human)
P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- ** R10CA-12476-04 Gynecologic oncology group
** R10CA-12477-04 Gynecologic oncology group
** R10CA-12478-04 Gynecologic oncology group
** R10CA-12481-04 Gynecologic oncology group
** R10CA-12482-04 Gynecologic oncology group
** R10CA-12483-04 Gynecologic oncology group
** R10CA-12484-04 Gynecologic oncology group (human)
** R10CA-12485-04 Gynecologic oncology group (human)
** R10CA-12534-04 Gynecologic oncology group
- ** P01CA-12707-03 0002 Cancer epidemiology program grant - Cervix cancer (human)
P01CA-12800-03 0002 Immune functions and cancer - Tumor immunology (human, rats)
- ** R01CA-13032-03 In vitro system for detection of preinvasive carcinoma (mice)
- ** P02CA-13053-03 0008 Clinical cancer radiation therapy research center - Radiation therapy in early cervix carcinoma (human)
R01CA-13127-03 Effects of intracavitary irradiation with CF-252 (swina)
- ** P02CA-13148-03 0003 Pilot cancer center - Fine structural observations on gynecologic malignancies
** P02CA-13148-03 0005 Pilot cancer center - Colposcopy clinic
P02CA-13148-03 0023 Pilot cancer center - Silent herpetic cervical infections in pregnant women
- ** P02CA-13148-03 0069 Pilot cancer center - Role of cryosurgery in gynecologic cancer
** P02CA-13148-03 0071 Pilot cancer center - Community demonstration project-Cervical cancer
P01CA-13330-03 0011 Cancer research program - Studies in radiotherapy (human)
- ** R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
R10CA-13446-01 Gynecologic Oncology Group
R10CA-13630-03 Gynecologic oncology group
** R10CA-13631-02 Gynecologic oncology group
** R10CA-13632-03 Gynecologic oncology group
** R10CA-13633-03 Gynecologic oncology group
** R10CA-13641-03 Gynecologic oncology group
P02CA-13696-02 0058 Clinical cancer research center - Neoplasia-Related project in progress (human)
- ** R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
- ** R10CA-13887-02 Gynecologic oncology group
** R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
P01CA-14043-01 0008 Radiation therapy clinical and research center - Anergy secondary to mediastinal radiation
- ** P01CA-14395-02 0012 Cancer research center of Greater Miami - Antigens from genital tumors (human)
** R01CA-14427-02 Epidemiology of cervical cancer-Chlamydiae and herpes (human)
P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
- ** P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
R01CA-14888-01 Herpes gonitilis in the adolescent vs mature monkey
R01CA-15054-01 Cellular immunity and thymic radiation in human cancers
R10CA-15488-01 Eastern Cooperative Oncology Group
R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
P01CA-15704-01 0042 Cancer center support grant - Uterine cancer
- ** R10CA-15975-01 Gynecologic oncology group
** R10CA-15977-01 Gynecologic Oncology Group
** P01CA-16127-01 0022 Cancer Research and Treatment Center Program - Pi meson radiotherapy of uterine cervix carcinoma (human)
R18CA-16400-01 0001 Cancer control development grant - Screening (human)
R18CA-16401-01 0004 University of Chicago cancer control center - Gynecologic cancer detection and control
- ** R18CA-16409-01 0001 Cancer control development grant - Satellite colposcopy clinics for cancer detection
N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
** N01CB-43937-00 Vaginal-cervical cell sample sources for cytology automation
** N01CB-43943-00 Detection of abnormal cervical cells
** N01CB-43962-00 Staining gynecologic cytopathologic specimens (human)
N01CB-43963-00 Gynecologic cytopathology specimens in suspension (human)
- ** N01CN-45074-00 Expansion Connecticut's cervical cancer screening program
** N01CN-45076-00 Cervical cancer screening program (human)
** N01CN-45077-00 Expansion of Oklahoma's cervical cancer screening program
** N01CN-45078-00 Cervical cancer screening program (human)
** N01CN-45079-00 Ohio Department of Health cervical cancer screening program
** N01CN-45080-00 Louisiana state cervical cancer screening program
** N01CN-45081-00 Nebraska state cervical cancer screening program
** N01CN-45084-00 Expansion of South Carolina's cervical cancer screening program
** N01CN-45085-00 Establishing a Tennessee cervical cancer screening program
** N01CN-45086-00 Expansion Mississippi's cervical cancer screening program
** N01CN-45091-00 Expansion of New York's cervical cancer screening program
** N01CN-45103-00 Cervical cancer screening program (human)
** N01CN-45104-00 Planning for a cervical cancer screening program
** N01CN-45105-00 Planning for a cervical cancer screening program
** N01CN-45106-00 Planning for a cervical cancer screening center
** N01CN-45107-00 Planning for a cervical cancer screening program
** N01CN-45108-00 Planning for a cervical cancer screening program
** N01CN-45109-00 Planning for a cervical cancer screening center
** N01CN-45110-00 Planning for a cervical cancer screening program
** N01CP-33257-03 Viral etiology of human malignancies (monkeys)
N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia
** N01CP-33314-01 Role of herpes simplex virus in human malignancies
** N01CP-33345-01 Herpesvirus antigens and virions in human cervix carcinoma
- ** N01CP-43379-00 Cervical neoplasia and human herpes simplex virus type 2
P01GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
P01GM-19489-03 0024 Study of human genetics - Linkage and gene assignment by cell hybridization
** P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
** P01MH-11668-09 0036 Psychosocial factors in health and disease - Behavioral correlations of carcinomatous changes in cervix
P01MH-11668-09 0096 Psychosocial factors in health and disease - Psychology of the cancer patient
P01MH-22916-02 0001 Personality and psychotherapy - Verbal and autonomic studies of clinical judgment
N01NS-22301-02 Cytologic and immunologic studies of herpes virus induction of cancer (monkeys)
- ** N01NS-22306-03 Herpes virus induction of cervical cancer in the Cebus monkey
P07RR-00259-08 0092 Computational research center program - Statistical research (human)
- ** M01RR-00865-01 0024 General clinical research center - Intra-arterial chemotherapy infusion for carcinoma of cervix (human)
- REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS PRENEOPLASTIC STATES**
P02CA-13148-03 0023 Pilot cancer center - Silent herpetic cervical infections in pregnant women
P02CA-13148-03 0069 Pilot cancer center - Role of cryosurgery in gynecologic cancer
- ** P02CA-13148-03 0072 Pilot cancer center - Early indicators of endometrial cancer (human)
R01CA-13427-02 Hormonal mechanisms endometrial carcinoma (human, rabbits)
P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
P01CA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinoma (human, hamsters)
R01HD-08615-01 Estrogen control of uterine growth and cell division (rats)
M01RR-00633-02 0047 General clinical research center - Origin of estrogens from plasma precursors (human)
M01RR-00722-02 0026 General Clinical Research Center - Etiology of dysfunctional uterine bleeding (human)
M01RR-00027-01 0024 General clinical research center - Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia
- REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, VAGINAL NEOPLASMS**
P01CA-11536-05 0010 Cell control in integumental cancer - Cancer chemotherapy and immunotherapy (mice)
P01CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)
R10CA-12477-04 Gynecologic oncology group
R01CA-15137-01 Estrogens, altered differentiation, and malignancy (mice)
R10CA-15977-01 Gynecologic Oncology Group
R18CA-16401-01 0004 University of Chicago cancer control center - Gynecologic cancer detection and control
R18CA-16405-01 0002 Development of regional cancer control program - Colposcopy program (human)
- ** R18CA-16409-01 0001 Cancer control development grant - Satellite colposcopy clinics for cancer detection
** N01CB-43937-00 Vaginal-cervical cell sample sources for cytology automation
N01CN-45122-00 Incidence and natural history of genital tract anomalies and cancer
- REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, VULVAL NEOPLASMS**
R10CA-12477-04 Gynecologic oncology group
R10CA-15977-01 Gynecologic Oncology Group
- REPRODUCTIVE SYSTEM NEOPLASMS MALE**
R01CA-08349-09 Potential tumor or organ imaging agents
P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE NEOPLASMS**
SEE ALSO BLADDER-PROSTATE CANCER ADVISORY COMMITTEE
R01AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
R01AM-16729-01 Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs)
R01CA-02478-20 Chemotherapy of cancer-Experimental and clinical
R10CA-02824-19 Eastern cooperative oncology group
R10CA-04594-14 Cooperative breast cancer group
R10CA-05588-14 Eastern cooperative oncology group
P02CA-05826-13 0071 Clinical cancer research center - Endocrinologic studies in pituitary tumors (human)
** P02CA-05826-13 0085 Clinical cancer research center - Endocrine profile in prostatic cancer (human)
P02CA-05837-12 0001 Cancer clinical research - Endocrinology (human)
** P02CA-05838-13 0012 Clinical radiotherapy cancer research center - Prostate protocol
P02CA-06294-13 0006 Radiotherapy research - Genito-urinary tract (human)
- ** P02CA-06519-12 0055 Radiation therapy and biology research program - Radiation therapy of carcinoma of prostate
** P02CA-06973-12 0029 Integrated clinical cancer research program - Cell metabolism-Prostatic growth and effects of acidic polymers (rats, mice)
R10CA-07190-12 Eastern cooperative oncology group
** P01CA-07304-11 0024 Steroid hormone production and metabolism in cancer - Secretory program of the human adrenal
** R01CA-08518-07 0004 Lysosomal enzymes in x-irradiated tumor cells - Hormonally-induced involution of prostatic cells (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

P01CA-08748-09 5729 Research program of Sloan-Kettering Institute - Carcinoembryonic (CEA) antigen (human)

P01CA-08748-09 5925 Research program of Sloan-Kettering Institute - Non-steroidal anti-androgen effect on glandular element of prostate (dogs, cats)

** P02CA-08832-08 0131 An integrated study of advanced malignant diseases - Radiation of hypophysis in prostate cancer (human)

** R01CA-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)

P01CA-10893-06 0005 Cancer Research Center - Electron microscopy of nucleoli and nuclei of cancer cells (human, rats)

** P01CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)

R10CA-10948-06 Eastern cooperative oncology group

R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)

R10CA-11109-06 Eastern cooperative oncology group

** P02CA-11198-06 0004 Cancer research center - Biochemical characteristics of neoplasms (rodents, dogs, human)

** P01CA-11428-04 Epidemiology of cancer (human)

P01CA-11489-05 Program of epidemiological research in cancer

R01CA-11606-05 American Joint Committee

** P02CA-11911-04 0017 Clinical cancer center - Carcinoma of the prostate

R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)

R10CA-12250-03 Radiation therapy oncology group

R10CA-12252-03 Radiation therapy oncology group

R10CA-12255-02 Radiation therapy oncology group

R10CA-12258-03 Radiation therapy oncology group

R10CA-12260-03 Radiation therapy oncology group

** P01CA-12376-03 0006 Environmental carcinogenesis - Prostate cancer in Negroes

** R01CA-12414-03 Hormonal control of prostatic carcinoma (human)

R10CA-12443-04 Veterans administration cooperative urological research groups

** R01CA-12448-04 Effect of progesterone on prostate size and morphology (human)

** P01CA-12707-03 0001 Cancer epidemiology program grant - Prostate cancer (human)

P01CA-12800-03 0019 Immune functions and cancer - Immunology of human tumors

** R01CA-12990-03 Inhibition of androgen action in prostatic neoplasms (human, rat)

** P02CA-13053-03 0006 Clinical cancer radiation therapy research center - Radiation therapy in prostate carcinoma (human)

** P01CA-13095-03 0001 Virology, immunobiology and biochemistry of renal cancer - Viruses and neoplasms of the urinary tract (human)

** R01CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)

** R01CA-13228-03 Gonadal hormone receptors and human prostatic cancer (human)

** R01CA-13417-02 Androgens in prostatic and epididymal culture (human, dogs)

P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)

R01CA-13745-02 Regulation of prostatic growth by androgens (human, rats)

P01CA-14089-01 0011 Pilot multidisciplinary cancer research program - Tumor antigens and antibodies in G I and bronchogenic cancer (human)

** P01CA-14599-01 0016 University of Chicago Cancer Research Center - Development and aging of canine prostate-Induction of prostatic carcinoma

** R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer

** R01CA-15062-01 Normal and cancerous prostate (human, rats)

** R26CA-15107-02 Chemotherapy for national prostatic cancer project (human)

** R26CA-15108-02 Chemotherapy of advanced prostatic cancer (human)

** R26CA-15126-02 Acid and alkaline phosphatases in prostatic cancer (human)

** P02CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)

P02CA-15145-01 0024 Cancer center support grant - Hormone dependent urogenital tumors in rodents

** R26CA-15284-02 Chemotherapy for patients with prostatic cancer

** R26CA-15407-02 Chemotherapy of prostatic cancer

** R26CA-15416-02 Prostatic DNA synthesis-A screen for cancer chemotherapeutic agents (rats)

** R26CA-15417-02 Viruses and virus-like particles in prostatic tumors (human)

** R26CA-15421-02 Chemotherapy for advanced prostatic cancer (human)

** R26CA-15436-01 Test systems for drugs against prostatic cancer (rats, dogs, baboons)

** R26CA-15437-01 Carcino-fetal antigens in prostatic cancers (human)

** R26CA-15438-02 Oncogenic viruses in human prostate cancer

** R26CA-15441-01 Hormonal dependence of prostate cancer (human, rats)

** R26CA-15442-01 Specificity of cell membrane antigens in prostatic cancer (human, rodents)

** R26CA-15448-01 Characterization of prostatic carcinoma among blacks

** R26CA-15455-01 Evaluation of extended radiotherapy for prostate neoplasm (human)

** R26CA-15480-01 Prostate cancer tissue collection center (human)

R10CA-15488-01 Eastern Cooperative Oncology Group

** R26CA-15499-01 Investigation of specific antigens in prostatic cancer (rabbits)

** R26CA-15501-01 Potential prostate cancer screening agent-191-DHT (rats, dogs, human)

** R26CA-15502-01 Virgine in prostatic tissue and fluids (human)

** R26CA-15503-01 Prostatic human tumors in conditioned animals and in culture (mice)

P01CA-15655-01 0005 Cancer center support grant - Virus etiology in neoplasms in ethnic in Hawaii

P01CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)

** R26CA-15766-01 Monolayer cultures of human prostate carcinoma (also hamsters)

** R26CA-15798-01 Histopathological grading of carcinoma of prostate (human)

** R26CA-15804-01 Histological grading of prostatic carcinoma (human)

R01CA-15857-01 Clinical chemotherapy and pharmacology

R01CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)

R26CA-15957-01 Development and study of germfree Buffalo rats

** R26CA-16077-01 Drug development for prostatic carcinoma (human, hamsters)

** P01CA-16127-01 0030 Cancer Research and Treatment Center Program - Pi meson radiotherapy of prostate carcinoma

** R01CA-16149-01 Role of prolactin in breast and prostate cancer (human)

P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)

** P01CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)

R26CA-16270-01 National prostatic cancer project workshop

** R26CA-16365-01 Etiology of prostatic tumors (human, rabbits)

** R26CA-16418-01 Steroids with cytotoxic effects on the prostate (rats)

** R26CA-16426-01 Antigenic components of human prostatic adenocarcinoma (mice)

** R26CA-16430-01 Carcinoma of the prostate (human)

** R26CA-16540-01 Role of oncomaviruses in carcinoma of the prostate (human)

** R26CA-16736-01 Enzymes in diagnosis and staging of prostatic cancer (human)

R26CA-16769-01 CEA in urogenital carcinomas (human)

** R10CA-17125-01 Radiotherapy for cancer of the prostate

N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis

N01CB-43854-00 Isolation and tissue culture of human tumor cells

N01CB-43860-00 Development of immunodiagnostic tests for cancer

N01CB-43861-00 Procurement of tumor and serum from cancer patients

** N01CP-23213-03 Shifts in cancer risks among Japanese migrants

N01CP-23238-03 Effects of uptake and excretion of carcinogens on the prostate (rats, dogs)

N01CP-33216-01 Japan-Hawaii cancer study

N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia

** N01CP-33314-01 Role of herpes simplex virus in human malignancies

R01GM-17019-05 Differentiated cell cultures (rats)

R01GM-19227-03 Determination of steroids in blood (human)

R01HD-04173-10 Androgen metabolism (human)

R01HD-07197-02 Steroid dynamics, (human, mammals)

M01RR-00053-13 0020 Clinical research center - Episodic production of C19 steroids in pathological conditions (human)

M01RR-00053-13 0024 Clinical research center - Paradoxical estrogen response to dexamethasone (human)

** M01RR-00053-13 0068 Clinical research center - Steroid metabolism in prostate cancer (human)

M01RR-00068-12 0049 General clinical research center - Kinetics of testosterone in treatment with progestins and estrogens (human)

** M01RR-00262-09 0037 General clinical research center - Use of oral estracyl in prostate carcinoma (human)

REPRODUCTIVE SYSTEM NEOPLASMS MALE, PROSTATE PRENEOPLASTIC STATES

R01AM-16729-01 Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs)

P01CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)

** R01CA-12448-04 Effect of progesterone on prostate size and morphology (human)

P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)

** R01CA-13745-02 Regulation of prostatic growth by androgens (human, rats)

P01CA-14599-01 0016 University of Chicago Cancer Research Center - Development and aging of canine prostate-Induction of prostatic carcinoma

R26CA-15480-01 Prostate cancer tissue collection center (human)

REPRODUCTIVE SYSTEM NEOPLASMS MALE, TESTIS NEOPLASMS

** R01CA-00343-27 Endocrine and genetic factors in tumorigenesis (mice)

R10CA-02599-20 Acute leukemia group B (human)

R01CA-02662-19 Investigations on teratocarcinogenesis (mice)

R10CA-02824-19 Eastern cooperative oncology group

R10CA-03485-18 Western cooperative cancer chemotherapy group (human)

R10CA-03750-17 Childrens cancer study group A

R10CA-05186-14 Western cancer study group

R10CA-05588-14 Eastern cooperative oncology group

P02CA-05834-13 0050 Cancer clinical research center - Cancer therapy with platinum complexes (human)

** P02CA-05838-13 0021 Clinical radiotherapy cancer research center - Testicular tumors

P02CA-05838-13 0029 Clinical radiotherapy cancer research center - Surgical pathology laboratory

P02CA-06294-13 0006 Radiotherapy research - Genito-urinary tract (human)

R10CA-06594-12 Eastern cooperative oncology group

R10CA-07190-12 Eastern cooperative oncology group

P02CA-08341-09 0035 Clinical pharmacology and cancer chemotherapy - Adriamycin

R10CA-10186-08 Western cancer study group

P01CA-10748-07 0009 Cancer chemotherapy program - Interaction of radioactive estrogens, androgens and progestins (mice, human)

P02CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)

P02CA-10895-06 0003 Adult leukemia research center - High dose cyclophosphamide therapy (human)

P02CA-10895-06 0009 Adult leukemia research center - Laminar air flow (human)

P02CA-10895-06 0014 Adult leukemia research center - Hormones (human)

** R10CA-10948-06 Eastern cooperative oncology group

R10CA-11083-07 Eastern cooperative oncology group (human)

R10CA-11109-06 Eastern cooperative oncology group

** P01CA-11535-05 Social epidemiology in prevention of cancer (human)

R01CA-11606-05 American Joint Committee

R01CA-12092-03 Non-esterified cholesterol, index of genital carcinoma (human)

R10CA-12213-03 Southwest cancer chemotherapy study group

P02CA-12247-03 0024 Pediatric oncology center - Germinal tumors of the gonads, pineal and sacrococcygeum (human, mice)

R10CA-12272-04 Central oncology group

R10CA-12275-04 Central oncology group

R10CA-12285-04 The central oncology group

R10CA-12286-04 Central oncology group

R10CA-12294-04 Central oncology group

R10CA-12295-04 Central oncology group

R01CA-12365-03 Inbred dwarf hamsters for biomedical research

P01CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)

P01CA-12662-03 0011 Cancer research center - Radiation response and the intestinal bacterial flora

** R01CA-12825-03 Enhancing antineoplastic effect of germ-cell tumors (mice, human)

P02CA-13148-03 0002 Pilot cancer center - Hormona assays in gynecologic tumors

** R01CA-13291-02 Steroid transfer in normal and malignant endocrine cells (rats, monkeys)

P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group

P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)

R10CA-13611-02 Eastern cooperative oncology group

R10CA-13612-01 Southwest Cancer Chemotherapy Study Group

R10CA-13650-02 Eastern Cooperative Oncology Group

R01CA-13661-02 Cytogenetics of human tumors

** P02CA-13696-02 0022 Clinical cancer research center - Tumorigenesis in primate ovaries and testes

R10CA-14215-02 Eastern cooperative oncology group

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01CA-14708-02 Fine structural analysis of androgenic tumor cells (mice)
- ** P02CA-15688-01 0012 Program in medical oncology - Combination radio-chemotherapy of testis neoplasms
- P01CA-15823-01 0001 Program in developmental biology of cancer - Developmental studies of transformed cells
- P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
- P01CA-15936-01 0007 Specialized Cancer Center - Activity trials (human)
- P01CA-16127-01 0016 Cancer Research and Treatment Center Program - Parathyroid hormone produced by nonparathyroid malignancies (human, mice)
- R01CA-17117-01 Protective environment in intensive cancer therapy (human)
- N01CB-43888-00 Evaluation of assays of circulating tumor associated antigens
- ** N01CM-43714-00 Therapy of patients with testicular carcinoma
- ** N01CM-43715-00 Therapy of patients with testicular carcinoma
- ** N01CM-43716-00 Therapy of patients with testicular carcinoma
- P11GM-15956-07 0065 Factors affecting the responses to drugs - Studies on peroxisomes
- R01HD-06070-03 Composition and metabolism of human testes
- R01HD-08431-01 Biochemical genetics of ovarian and testicular teratomas (mice)
- ** M01RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
- M01RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
- ** M01RR-00055-13 0096 General clinical research center - Hypophysectomy in treatment of embryonal cell testicular tumor (human)
- ** M01RR-00063-12 0074 General clinical research center - Bleomycin in neoplasms (human)

REPRODUCTIVE SYSTEM PHARMACOLOGY

- SEE ALSO REPRODUCTIVE SYSTEM DISORDERS
CHEMOTHERAPY
- R26CA-15436-01 Test systems for drugs against prostatic cancer (rats, dogs, baboons)
 - R26CA-16418-01 Steroids with cytotoxic effects on the prostate (rats)
 - R01HD-00443-12 Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits)
 - R01HD-00462-19 Physiology of the placenta (human)
 - R01HD-02798-07 Primate uterine physiology (monkeys)
 - R01HD-04839-05 0001 Metabolism of drug substrates by human placenta - Analysis of placental cytochrome P-450
 - R01HD-04839-05 0002 Metabolism of drug substrates by human placenta - Substrate specificity of placental drug metabolizing systems
 - R01HD-04839-05 0003 Metabolism of drug substrates by human placenta - Biotransformation of polycyclic aromatic hydrocarbons in placenta
 - R01HD-04839-05 0004 Metabolism of drug substrates by human placenta - N-hydroxylation and N-oxidation reactions (rats, monkeys)
 - R01HD-04839-05 0005 Metabolism of drug substrates by human placenta - Biochemical analyses of human placental particulate fractions
 - R01HD-04839-05 0006 Metabolism of drug substrates by human placenta - Deamination reactions (human)
 - R01HD-04839-05 0007 Metabolism of drug substrates by human placenta - Reciprocity between AHH and cholesterol side-chain oxidase (human)
 - R01HD-05316-04 Proteins of mammalian sperm/atozoa (rats, rabbits, human)
 - R01HD-05948-01 Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human)
 - R01HD-06047-03 Uterine sensitivity and its associated phenomena (rats)
 - R01HD-06192-03 Physiological studies of hypothalamic hormones (sheep, cattle, chickens)
 - R01HD-06209-03 Gonadotropin release and biological rhythms (women, men)
 - R01HD-06374-02 Development, composition and function of oviduct cilia (mice)
 - R01HD-07194-01 Cellular mechanisms in ovulation and spawning (frogs, starfish)
 - M P01HD-07495-02 Center for population research, studies in reproductive biology
 - P01HD-07495-02 0004 Center for population research, studies in reproductive biology - Steroid interactions with target tissue receptors (chickens, rats)
 - P01HD-07495-02 0009 Center for population research, studies in reproductive biology - Isolation and purification of progesterone receptors (chicken, rat, guinea pig)
 - P01HD-07495-02 0029 Center for population research, studies in reproductive biology - Non-steroidal luteolytic agents (rats)
 - R01HD-08124-01 Blood substitute and circulation (sheep)
 - R01HD-08280-01 Contraceptive receptor mechanisms (rats, monkeys)
 - R01HD-08360-01 Placental function in normal and abnormal pregnancy (human)

- P01HL-10342-09 0015 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the placenta (sheep)
- R01HL-12557-06 Effects of steroids and pregnancy on arteries and veins (guinea pigs)
- R01MH-25075-01 Ontogenetic behavior effects of drugs (rats)
- M01RR-00040-14 0101 General clinical research center - Effect of oral synthetic thyrotrophin releasing hormone on lactation (human)
- M01RR-00055-13 0114 General clinical research center - Spermatogenic suppression by oral agents (human)
- M01RR-00749-02 0043 General clinical research center - Response of ovary and trophoblast to prostaglandin in early pregnancy (human)

REPRODUCTIVE SYSTEM SECRETIONS

- SEE ALSO FERTILITY, SEMEN
SEE ALSO PREGNANCY FLUIDS
- P01CA-12376-03 0024 Environmental carcinogenesis - Role of smegma in carcinogenesis (human, horses)
 - N01CP-43230-00 Pituitary hormones and androgens (mice, guinea pig, hamster, dogs, human)
 - R01HD-02266-09 Uterine eosinophil structure and function (human, rats, cattle)
 - P01HD-06274-03 0006 Reproductive biology - Oviductal and uterine environment (rabbits, monkeys)
 - ** R01HD-06532-01 Analysis of mammalian ovarian follicular fluids (swine, rabbits)
 - R01HD-06698-01 Biochemical studies of in vitro sperm capacitation (hamsters)
 - P01HD-07640-01 0001 Program project in reproductive biology - Mechanism of action, progesterone in the mammalian uterus-Uteroglobin (rabbit)
 - R01HD-07911-01 Sperm storage in avian oviducts (chickens, turkeys)

REPRODUCTIVE SYSTEM SURGERY

- SEE ALSO PREGNANCY, BIRTH, CESAREAN SECTION
- N01HD-12229-03 Develop implantable contraceptive devices (mammals nonhuman)
 - N01HD-22775-02 Immunological studies on steroid-producing cells (human, monkeys, rabbits)
 - ** R01HL-12239-05 Curable hypertension with hyperaldosteronism (human)
 - ** M01RR-00037-14 0016 General clinical research center - Transsexualism, surgical technique for vaginal construction (human)
 - ** M01RR-00052-13 0023 General clinical research center for children - Treatment for cryptorchidism
 - M01RR-00053-13 0024 Clinical research center - Paradoxical estrogen response to dexamethasone (human)

REPRODUCTIVE SYSTEM SURGERY, BREAST SURGERY

- R10CA-03364-17 Cooperative breast cancer group
- P02CA-05834-13 0043 Cancer clinical research center - Carcinoma of the breast (human)
- P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- ** R10CA-12027-04 Headquarters-Surgical adjuvant breast group
- ** R10CA-12028-04 National surgical adjuvant breast project
- ** R10CA-12029-04 National surgical adjuvant breast project
- ** R10CA-12030-04 National surgical adjuvant breast project
- ** R10CA-12031-04 National surgical adjuvant breast project
- ** R10CA-12032-03 Primary breast cancer therapy group
- ** R10CA-12033-04 National surgical adjuvant breast project
- ** R10CA-12036-04 National surgical adjuvant breast project
- ** R10CA-12037-04 Primary breast cancer therapy group (NSABP)
- ** R10CA-12039-04 National surgical adjuvant breast project
- ** R10CA-12040-04 National surgical adjuvant breast project
- ** R10CA-12041-04 National surgical adjuvant breast project
- ** R10CA-12240-04 National surgical adjuvant breast project
- R01CA-12869-04 Kansas breast study (human)
- P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
- P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
- R26CA-14135-02 Immunology of bladder tumors (human, rats)
- ** P01CA-14599-01 0027 University of Chicago Cancer Research Center - Treatment of non-metastatic breast cancer (human)
- R01CA-15202-01 Immunological studies in patients with breast cancer
- P01CA-15936-01 0007 Specialized Cancer Center - Activity trials (human)
- R01CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- N01CB-23859-02 The role of prolactin in breast cancer (human, rats)
- N01CB-23864-02 The prevention of metastasis in mammary cancer (rats)
- N01CB-23876-02 Primary breast cancer therapy group (NSABP)
- N01CB-33899-01 Chemotherapy utilizing 5-FU, cytozan and prednisone (human)

REPRODUCTIVE SYSTEM SURGERY, SEX REASSIGNMENT

- SEE ALSO PSYCHOLOGY ABNORMAL, SEX DEVIATION, TRANSEXUALISM
- R01HD-00325-18 0002 Longitudinal and related psychohormonal studies - Adult erotic function in female hermaphrodites
 - ** R01HD-00325-18 0011 Longitudinal and related psychohormonal studies - Families of reassigned transsexuals
 - ** R01HD-00325-18 0012 Longitudinal and related psychohormonal studies - Genetic males reared as females
 - ** M01RR-00055-13 0089 General clinical research center - Evaluation of patients seeking sex changes

REPRODUCTIVE SYSTEM SURGERY FEMALE

- R01AI-12005-01 Nonbacterial infections in obstetrics (human)
- R10CA-10378-08 Gynecologic oncology group statistical service
- R10CA-12477-04 Gynecologic oncology group
- R10CA-12483-04 Gynecologic oncology group
- R10CA-12485-04 Gynecologic oncology group (human)
- R10CA-12534-04 Gynecologic oncology group
- R10CA-13446-01 Gynecologic Oncology Group
- R10CA-13631-02 Gynecologic oncology group
- R10CA-13632-03 Gynecologic oncology group
- R10CA-13633-03 Gynecologic oncology group
- R10CA-13641-03 Gynecologic oncology group
- R10CA-13887-02 Gynecologic oncology group
- P01CA-14599-01 0040 University of Chicago Cancer Research Center - Management of ovarian carcinoma (human)
- R10CA-15975-01 Gynecologic oncology group
- R10CA-15977-01 Gynecologic Oncology Group
- M01RR-00031-14 0019 General clinical research center - Endocrine survey of polycystic ovary (human)

REPRODUCTIVE SYSTEM SURGERY FEMALE, HYSTERECTOMY

- P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
- P02CA-08832-08 0124 An integrated study of advanced malignant diseases - Ovary study-Gathering UMM data 1958-1968
- P02CA-11265-05 0032 General clinical cancer research center - Cryosurgery for cervical cancer
- P02CA-13053-03 0008 Clinical cancer radiation therapy research center - Radiation therapy in early cervix carcinoma (human)
- N01CM-22059-04 Primary genetic-production center
- N01CM-33701-01 Genetic center for inbred hybrid and outbred rodents in a germfree environment
- R01HD-02378-09 Hormone metabolism in reproduction (human, rabbits)
- R01MH-08604-11 0005 Psychobiology of maternal behavior - Post-natal changes in maternal behavior after hysterectomy (rats)
- ** P01MH-11668-09 0032 Psychosocial factors in health and disease - Life crisis involving hysterectomy or abortion
- ** P01MH-11668-09 0064 Psychosocial factors in health and disease - Psychiatric registry follow-up of hysterectomy or sterilization

REPRODUCTIVE SYSTEM SURGERY FEMALE, OVARICTOMY

- P01AM-08445-10 0006 Biology of skin of man and other primates - Electron histochemistry of sebaceous glands (presimians, human)
- R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
- P02CA-05834-13 0043 Cancer clinical research center - Carcinoma of the breast (human)
- R01CA-11378-05 Mechanism of hormonal control of mammary carcinoma (rats)
- ** P02CA-11911-04 0019 Clinical cancer center - Surgery and chemotherapy for stage III and IV ovarian cancer
- P02CA-13696-02 0006 Clinical cancer research center - Human prolactin in breast cancer
- R01CA-13777-02 Potential of ergot alkaloids in control of breast cancer (mice, rats)
- P01CA-14599-01 0029 University of Chicago Cancer Research Center - Treatment of metastatic breast cancer (human)
- R01CA-16149-01 Role of prolactin in breast and prostate cancer (human)
- N01CB-23873-02 Breast cancer (rats)
- N01HD-02142-04 Ultrastructural studies on the oviduct (rabbits, monkeys)
- R01HD-02378-09 Hormone metabolism in reproduction (human, rabbits)
- R01HD-03752-05 0010 Mammalian reproduction - Cultured oviductal tissue from rabbits
- R01HD-03752-05 0011 Mammalian reproduction - Cultured ovaries implanted in kidneys of ovariectomized mice
- P01HD-03803-06 0002 Control mechanism in reproduction and development - Estrogen control of transcription and translation (rats)
- R01MH-02271-17 Psychological studies of behavior (ring doves)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01MH-21312-03 0024 Endocrinological determinants of behavior - Stimulation of RNA synthesis by estradiol benzoate in spayed guinea pigs
 R01NS-10420-03 Electrophysiology of the genital sensory system (cats)
 M01RR-00053-13 0067 Clinical research center - Steroid metabolism in breast cancer (human)

REPRODUCTIVE SYSTEM SURGERY, FEMALE, TUBE OPERATIONS

P02CA-08832-08 0122 An integrated study of advanced malignant diseases - Lymphogram as a guide to mode sampling at laparotomy (human)

REPRODUCTIVE SYSTEM SURGERY MALE

** R01HD-06272-02 Psychological effects of voluntary vasectomy

REPRODUCTIVE SYSTEM SURGERY MALE, ORCHIECTOMY

P01AM-08445-10 0002 Biology of skin of man and other primates - Androgen action on sebaceous glands (hamsters)

P01AM-08445-10 0006 Biology of skin of man and other primates - Electron histochemistry of sebaceous glands (prosimians, human)

R01AM-11060-17 Mechanisms of androgen action (animals)

R01AM-13940-04 Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human)

R01AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)

P02CA-05826-13 0085 Clinical cancer research center - Endocrine profile in prostatic cancer (human)

R10CA-12443-04 Veterans administration cooperative urological research groups

R01CA-13103-03 Metabolism and inhibition of prostate cancer (hamsters, dogs, rats)

R01CA-13881-02 Radiation in vitro - Mammary cell survival - Neoplasia (rats)

P11GM-15477-08 0051 Drug metabolism and biochemical pharmacology - Age, sex and microsomal drug metabolism (rats)

R01HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)

P01HD-05797-04 0001 Population and reproductive biology - Steroid hormones and target tissue receptors (rats, guinea pigs, human)

P01HD-05797-04 0024 Population and reproductive biology - Electron microscopy of sperm maturation in the rabbit

P01HD-05797-04 0025 Population and reproductive biology - Electron microscopy of sperm maturation in the rat

** P01HD-05969-03 0013 Events that control fertilization - Sexual behavior of the male rhesus

P01HD-08338-01 0001 Control of male reproduction - Testosterone and gonadotropins in development of aggression (mice)

** R01MH-21312-03 0015 Endocrinological determinants of behavior - Development of dimorphic behaviors in castrated male rhesus

REPRODUCTIVE SYSTEM SURGERY MALE, PROSTATE SURGERY

P02CA-11911-04 0017 Clinical cancer center - Carcinoma of the prostate

R10CA-12443-04 Veterans administration cooperative urological research groups

R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer

N01CP-23238-03 Effects of uptake and excretion of carcinogens on the prostate (rats, dogs)

REPRODUCTIVE SYSTEM SURGERY, MALE, VAS OPERATIONS

** P01HD-05969-03 0007 Events that control fertilization - Long-term effects of vasectomy (monkeys, rats, guinea pigs, human)

** R01HD-06207-03 Vasectomy-Ultrastructural and cytochemical effects (dogs, rodents, human)

** N01HD-12223-06 Develop and test a reversible contraceptive device (guinea pigs)

** N01HD-22769-03 Development of evaluation of a reversible vasectomy prosthesis

** N01HD-22770-03 Effects of vasectomy on testes, epididymis and vas (rats, rabbits, dogs)

** N01HD-22772-01 Immunologic and morphologic consequences of vasectomy (guinea pigs, human)

** N01HD-22796-02 A reversible vas-occluding prosthesis (rabbits)

** N01HD-42866-00 Long-term effects of vasectomy in the rhesus monkey

REPRODUCTIVE TISSUE TRANSPLANTATION

R01AA-00297-03 Zygotic and uterine mediated effects of alcohol (mice)

P01GM-19513-03 0018 Human genetics - Legal genetics

** P01HD-02881-07 0001 Developmental and behavioral neuroendocrinology - Prenatal studies (mice)

REPRODUCTIVE TISSUE TRANSPLANTATION, OVARY TRANSPLANTATION

R01AF-11051-01 Biology of tissue and organ transplantation (mice, rats)

R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
 ** P01HD-03015-08 0015 Program for developmental biology - Development of hormone dependent ovarian tissue culture (rats)
 P01HD-05523-04 0005 Analysis of genetic effects on aging - Life span shortening effects of mutant alleles at the W locus (mice)

REPTILE POISONS
 SEE TOXICOLOGY, ANIMAL POISONS, REPTILE

REPTILES*
 ** R01MH-04151-14 0005 Psychology and physiology of sleep - Sleep patterns of reptiles (crocodiles, turtles, lizards)
 ** R01MH-15707-07 Perception and behavior (reptiles)
 ** R03MH-24096-01 Analysis of data related to ethology (reptiles)

REPTILES, CROCODYLIANS
 R01MH-04151-14 0005 Psychology and physiology of sleep - Sleep patterns of reptiles (crocodiles, turtles, lizards)
 R03MH-24096-01 Analysis of data related to ethology (reptiles)

REPTILES, LIZARDS
 R01MH-04151-14 0005 Psychology and physiology of sleep - Sleep patterns of reptiles (crocodiles, turtles, lizards)
 R03MH-24096-01 Analysis of data related to ethology (reptiles)
 R01NS-06809-08 Comparative studies of the vestibular system (animals)

REPTILES, SNAKES
 P10ES-00267-07 0012 Center for environmental toxicology - Basic proteins of Elapid venoms-Mechanism of action (rats, mice)
 ** R01GM-19172-03 Sea snake venoms and toxins (mice)
 R03MH-24096-01 Analysis of data related to ethology (reptiles)
 R03MH-25657-01 Evaluating self-administered desensitization

REPTILES, TURTLES
 R01HD-03484-08 0001 Developmental studies on the turtle - Embryonic limb bud and skin transplantation
 R01HD-03484-08 0002 Developmental studies on the turtle - Effect of teratogenic agents
 R01HD-03484-08 0003 Developmental studies on the turtle - Removal of embryonic nasal placodes
 R01MH-04151-14 0005 Psychology and physiology of sleep - Sleep patterns of reptiles (crocodiles, turtles, lizards)
 R03MH-24096-01 Analysis of data related to ethology (reptiles)

RESEARCH BIOMEDICAL
 SEE HEALTH SCIENCES RESEARCH (GENERAL)*

RESEARCH FACILITIES
 SEE ANIMAL RESOURCES COMMITTEE
 SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CENTERS
 SEE BIOMEDICAL FACILITIES
 SEE CLINICAL RESEARCH CENTERS
 SEE COMPUTER CENTERS
 SEE GENERAL MEDICAL RESEARCH PROGRAM PROJECT COMMITTEE
 SEE GENERAL MEDICINE STUDY SECTION
 SEE INTERNATIONAL CENTERS
 SEE PRIMATE RESEARCH CENTERS ADVISORY COMMITTEE
 SEE STATISTICAL SERVICE AND CENTERS

RESEARCH IN NURSING IN PATIENT CARE REVIEW COMMITTEE
 SEE NURSING IN PATIENT CARE REVIEW COMMITTEE

RESEARCH POTENTIAL
 SEE HEALTH SCIENCES RESEARCH, RESEARCH POTENTIAL

RESEARCH PROGRAM ANALYSIS-EVALUATION-PLANNING
 SEE HEALTH SCIENCES RESEARCH ANALYSIS-EVALUATION-PLANNING

RESERPINE
 SEE ALKALOIDS, RAUWOLFIA TYPE, RESERPINE

RESERVOIRS (COMMUNICABLE DISEASE)
 SEE COMMUNICABLE DISEASE TRANSMISSION, DISEASE RESERVOIRS (COMMUNICABLE DISEASE)

RESIDENCE CHARACTERISTICS
 SEE SOCIOENVIRONMENT, RESIDENCE CHARACTERISTICS, HOUSING

RESIDENTIAL HEALTH CARE FACILITIES
 SEE HEALTH CARE FACILITIES, RESIDENTIAL

RESIDENTIAL MENTAL HEALTH FACILITIES
 SEE MENTAL HEALTH FACILITIES, RESIDENTIAL

RESIDENTIAL MOBILITY
 SEE SOCIOENVIRONMENT, RESIDENTIAL MOBILITY

RESINS
 SEE MOLECULAR CONDENSATIONS, RESINS

RESISTANCE TO INSECTICIDES
 SEE PESTICIDES, INSECTICIDES RESISTANCE

RESISTANCE TO PESTICIDES
 SEE PESTICIDES RESISTANCE

RESISTANCE TRANSFER FACTOR
 SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, EPISOMES, R-FACTOR

RESONANCE (CHEMICAL BONDS)
 SEE CHEMICAL BONDS, RESONANCE

RESONANCE SPECTROMETRY, ELECTRON SPIN
 SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, ESR*

RESONANCE SPECTROMETRY, NUCLEAR MAGNETIC
 SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, NMR*

RESORCINOL
 SEE PHENOLS, RESORCINOL

RESORPTION OF BONE, ABNORMAL
 SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

RESORPTION OF BONE, NORMAL
 SEE SKELETAL SYSTEM, BONE RESORPTION-REMODELING PHYSIOLOGIC

RESORPTION OF TEETH
 SEE DENTAL DISORDERS, TOOTH RESORPTION

RESPIRATION
 SEE RESPIRATORY FUNCTION, RESPIRATION

RESPIRATION EX-VIVO
 SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATION EX-VIVO

RESPIRATION INTERNAL
 SEE ALSO OXIDOREDUCTASES
 SEE ALSO RESPIRATORY GAS ANALYZERS*
 SEE ALSO RESPIRATORY PROTEINS (GENERAL)
 R01AA-00272-04 Platelet utilization and metabolism in alcoholism (human)
 ** R01AF-08595-07 Biochemical genetics of membrane-associated enzymes (E coli, slime mold)
 ** R01AM-10532-08 Intracellular reactions in contracting muscles (amphibians, barnacles)
 R01AM-11295-08 Physical studies of biological macromolecules
 R01AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
 R01AM-11605-08 Endocrine influences in disease (rats)
 R01AM-14315-06 Enzymology and metabolism of I-C and S compounds (rats, bacteria)
 ** R01AM-14752-04 Intracellular reactions in gastric mucosa (bullfrogs)
 R01AM-15120-04 Control of metabolism in normal and diseased states (rat liver)
 R01AM-15791-02 Preservation and regeneration of isolated kidneys (dogs)
 R01AM-15986-03 0004 Cirrhosis, ascites and the hepatic circulation - Stroma-free hemoglobin solution in shock (dogs)
 R01AM-15986-03 0005 Cirrhosis, ascites and the hepatic circulation - Gastric back diffusion (dogs, frogs)
 R01AM-16649-01 Mechanism of action of growth hormone (rats)
 R01AM-16784-02 Metabolism of branched chain alpha-keto acids (human, rats)
 P17AM-17026-01 0046 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of glucose entry into cells
 R01AM-18087-01 Effect of guanidine derivatives on biological systems (mammals)
 P01CA-10893-06 0012 Cancer Research Center - Mitochondrial function in tumor growth (rats, rabbits)
 R01CA-10951-06 Control of enzymatic phosphate transfer in mitochondria (rats)
 R01CA-11766-04 Ion transport and metabolic regulation in neoplasms (rats)
 ** R01CA-13074-02 Exploitable differences in tumor cell metabolism
 ** R01CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
 R01CA-14221-02 Antioxidants in senescing and in neoplastic cells (mammals)
 P02CA-15145-01 0017 Cancer center support grant - Factors controlling glycolysis in cellular systems
 R01DA-00116-03 Cellular sites of action of marijuana constituents (rats)
 P01DA-00259-03 0003 Drug abuse research center - Effects of morphine on brain metabolism substrates (mice)
 ** P01ES-00481-03 0005 Subcellular pathology of heavy metals - Effect of lead on renal mitochondria (rats)
 P01ES-00481-03 0006 Subcellular pathology of heavy metals - Effects of bismuth, cadmium and arsenic (rabbits, rats)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
- RO1ES-01047-01 Effects of lead on prokaryotic and eucaryotic cells (bacteria, rabbits)
- RO1GM-05919-16 0010 Enzymatic activities of mitochondria - Stoichiometry and mechanism of H ion ejection during electron transport (rats)
- RO1GM-05919-16 0011 Enzymatic activities of mitochondria - Membrane-loading of calcium and its relationship to mitochondrial structure (rat)
- ** RO1GM-05919-16 0012 Enzymatic activities of mitochondria - Regulation of calcium release from mitochondria (crabs)
- ** RO1GM-05919-16 0013 Enzymatic activities of mitochondria - Isolation and properties of matrix reticular protein (rats)
- RO1GM-11494-11 Ion transport in tissues of hibernating mammals
- RO1GM-12179-10 Developmental control mechanisms (*Euglena*, *B. subtilis*)
- RO1GM-12323-10 0001 Biochemical genetics - Heterogeneity of mitochondria in the house mouse
- ** RO1GM-12323-10 0005 Biochemical genetics - Isoleucine-valine mutants of *Neurospora*
- RO1GM-12394-10 Components and pathways in biological oxidations (microorganisms, mammals, human)
- PO1GM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
- PO1GM-12847-10 0025 Molecular biology of membrane systems - Energy coupling in mitochondria and other bioenergetics systems
- ** RO1GM-14595-08 0007 Continuity of cellular organelles - Photosynthesis and respiration during plastid development (*Euglena*)
- RO1GM-16314-06 Hydrogen activation and transfer in biological systems (plants, microorganisms)
- RO1GM-16320-06 Biogenesis of mitochondria (yeast)
- ** RO1GM-19121-03 Mitochondrial membrane metabolic role of cytochrome C (animals, fungi)
- RO1GM-19410-03 Molecular genetics of membrane assembly in *Neurospora*
- ** PO1GM-19599-02 0004 Surveillance and predictive diagnosis in surgical patients - Tissue perfusion studies (dogs, human)
- ** RO1GM-19636-02 Subcellular respiratory functions of cardiac muscle (cattle)
- RO1GM-19856-01 Correlation of thermal environment and RNA structure (bacteria)
- RO1GM-19867-02 Altered mitochondrial function in shock (human, rabbits, rats, *E. coli*)
- RO1GM-20379-02 Structure and function of heart membrane proteins
- RO1GM-20648-01 Photoreceptor pigments in photosensitive organisms (*Dictyostelium*, *Phycomyces*)
- RO1GM-20943-01 Mechanisms of biological redox reactions of copper
- NO1HB-42949-00 Ability of stored blood to transport oxygen (rats)
- PO1HD-00781-11 0003 Studies on prematurity - Normal metabolic rate of the fetus (sheep)
- RO1HD-00827-11 Effect of RNA and DNA on cephalic terata (mice)
- R22HD-03741-12 Infant malnutrition (human, rats, swine)
- RO1HD-05837-02 Metabolism of isolated perfused newborn lung (rabbits)
- PO1HD-05875-04 0011 Aging mechanisms of in vitro human cell systems - Mitochondria in cell senescence (WI-38)
- ** PO1HD-05970-03 0001 Metabolic and molecular changes in aging - Mitochondrial reactions in senescence (rats, flies)
- PO1HD-06274-03 0001 Reproductive biology - Metabolic enzyme pathways in spermatozoa (monkeys, rabbits, hamsters, human)
- ** RO1HD-06441-03 Peroxisomes in developing liver and kidney (dogs, pigs, rats)
- ** RO1HD-06546-03 Etiology of achondroplasia in man and mammals (rabbits)
- RO1HD-06851-02 Regulation of leaf senescence by plant hormones
- RO1HD-07231-01 Metabolic control mechanisms in sperm aging (sheep, dog, human)
- RO1HD-07824-01 Sexual attraction in *Alomyces* and *fucus*
- RO1HL-00082-25 Clinical and experimental research in respiration (barnacle, rats)
- RO1HL-04481-15 Gas exchange during anesthesia and thoracic surgery (human, dogs)
- RO1HL-07984-12 Red cell factors in oxygen delivery (rabbits)
- ** RO1HL-08262-11 Fat and cholesterol metabolic adaptations to exercise (rats)
- PO1HL-08899-10 0010 Oxygenation and oxygen effects in man - High oxygen pressure in septic shock (human)
- PO1HL-08899-10 0014 Oxygenation and oxygen effects in man - Cellular and renal responses to hypercapnia and hypocapnia (dogs)
- PO1HL-10539-09 0039 Pathophysiology of circulation - Myocardial hypoxia and reoxygenation
- RO1HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- ** RO1HL-13341-04 Lymph-An indicator of splanchnic tissue respiration (dogs, human)
- RO1HL-13584-03 Platelet preservation related to energy metabolism (human)
- PO1HL-13737-04 0031 Assisted circulation - Myocardial ischemia-Biochemical changes (dogs, rats)
- RO1HL-13989-03 Role of water in respiratory protein structure
- PI7HL-14217-04 0002 Specialized center of research in thrombosis - Biochemical studies of platelets and vascular smooth muscle (human)
- ** RO1HL-14483-04 Ion transport and oxidative phosphorylation (cattle)
- ** RO1HL-14508-06 Structure and function of respiratory hemoproteins
- ** PI7HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
- ** PI7HL-15098-03 0002 Special center of research-Environmental lung disease - Enzyme activity alteration (monkeys)
- RO1HL-15104-03 A mechanism for oxidative phosphorylation
- PO1HL-15835-01 0013 Pennsylvania Muscle Institute - Cardiac bioenergetics (rats)
- RO1HL-16931-01 Red cell storage and transfusion (rabbits)
- ** RO1NS-07402-07 Physiological regulation of cell metabolism (bivalves)
- RO1NS-11205-01 Barbiturate complexation with mitochondrial coenzymes
- ** RO1NS-11619-01 Respiratory energy metabolism in brain explants (rats)
- ** PO1NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
- ** RO1NS-11815-04 Defective ion movement in muscular dystrophy (mice, rat, hamster, chicken, human)
- RO1NS-11905-01 Brain DPN-specific isocitric dehydrogenase (swine)
- RESPIRATION INTERNAL, AEROBIOSIS**
- RO1AI-10557-03 Cellular immunity in vitro (guinea pigs, humans)
- RO1AM-13198-06 Adenylate control of enzyme synthesis and function (bacteria)
- RO1CA-08964-08 Energy metabolism in normal and tumor cells (cattle, plants, microorganisms)
- PO1DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
- RO1GM-19807-02 0004 Membrane permeability as a regulatory element - Aerobiosis as an element in ripening (plants)
- PI7HL-14217-04 0015 Specialized center of research in thrombosis - Pharmacological studies on platelet and vascular smooth muscle
- ** RO1HL-16280-01 Regulation of respiratory function in nucleated red cell (fish, reptiles, birds)
- RO1NS-11353-01 Energy requirements for neuronal activity (cockroaches)
- RESPIRATION INTERNAL, ANAEROBIOSIS**
- ** RO1AI-00563-27 Intermediary metabolism of bacteria
- RO1AI-00848-19 Biological fixation of nitrogen by microorganisms
- ** RO1AI-08248-07 Physiology and morphology of anaerobic spirochetes
- RO1AI-08758-06 Composition and activities of the gut flora (mice)
- ** RO1AI-09467-05 Fermentation interactions in microbial ecosystems (rumen bacteria)
- RO1AI-09580-04 Microbial metabolism of hydroxylamino compounds (fungi)
- RO1AI-10557-03 Cellular immunity in vitro (guinea pigs, humans)
- RO1AI-10902-06 Synthesis and function of organized elements in cells (*E. coli*)
- ** RO1AI-12461-01 Fermentation interactions in microbial ecosystems (rumen bacteria)
- RO1AM-13198-06 Adenylate control of enzyme synthesis and function (bacteria)
- RO1AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- RO1AM-16623-01 Metabolic adaptation of muscle and the need for creatine (rodents, chickens)
- RO1CA-03641-18 The coupling of coenzyme-linked oxidoreductions
- PO1DA-00250-03 0004 Research center-Studies of drug dependence and abuse - Psychomimetic drugs of abuse and stress on skeletal muscle (rats, monkeys)
- RO1DE-03512-03 Bacterial composition of dental plaque (human)
- RO1DE-03662-03 Evaluation of clinical dental anaerobic bacteriology
- PO1DE-03841-01 0009 Host response in dental disease - Oral flora in *Macaca speciosa*
- RO1GM-12394-10 Components and pathways in biological oxidations (microorganisms, mammals, human)
- ** PO1GM-15571-06 0057 Anesthesia research-Program project - Role of anaerobic metabolism in normal brain ECF pH regulation
- RO1GM-18858-03 Lipids and control of mitochondrial biogenesis (yeast)
- ** RO1GM-19807-02 0004 Membrane permeability as a regulatory element - Aerobiosis as an element in ripening (plants)
- RO1HD-01269-12 Control of metabolism in tetrahymena
- PO1HD-05961-03 0002 Human and mammalian development - Development of mitochondria and their role in embryogenesis (human, rodents)
- ** RO1HL-11907-06 Mechanisms of physiological responses to exercise (human, dogs)
- RO1HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
- PO1NS-08802-05 0002 Cerebrovascular disease research center - The intracerebral steal (human)
- RO1NS-11353-01 Energy requirements for neuronal activity (cockroaches)
- ** MO1RR-00349-08 0041 General clinical research center - Diagnosis and treatment involving anaerobic organisms (human)
- RO1RR-00609-03 Response of gnotobiotics to specified microbial floras (mice)
- RESPIRATORS**
- SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATORS
- RESPIRATORY AIRFLOW DISORDERS**
- SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
- RESPIRATORY AIRFLOW MEASUREMENTS**
- SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*
- RESPIRATORY AIRWAY PRESSURE**
- SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES
- RESPIRATORY AIRWAY VOLUME**
- SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME
- RESPIRATORY ANESTHESIA (INHALATION ANESTHESIA)**
- SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION
- RESPIRATORY ASSIST, EX VIVO**
- SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATION EX-VIVO
- RESPIRATORY ASSIST, MECHANICAL**
- SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATORS
- RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION**
- SEE ALSO CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, BLOOD OXYGENATORS
- SEE ALSO CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, HEART MECHANICAL EXTRACORPOREAL
- RO1CA-14058-01 Radiation Therapy Oncology Group
- NO1CN-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)
- NO1CN-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)
- NO1CN-45133-01 Demonstration of cancer rehabilitation facilities and/or department (human)
- PO1ES-00269-08 0005 Biological effects of environmental radiation - Environmental photobiology (human, swine miniature, rats)
- PO1GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
- PI1GM-15477-08 0028 Drug metabolism and biochemical pharmacology - Effect of hemorrhage on the rate of haemorrhagic biotransformation (dogs)
- PO1GM-21797-01 0007 The traumatized patient - Pulmonary function (human, dogs)
- PO1HD-03015-08 0029 Program for developmental biology - Oxygenator system for total bypass or lung assist
- RO1HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
- RO1HL-13172-05 Post-trauma mechanics and pulmonary hypertension (human, dogs, monkeys)
- PO1HL-13330-05 0057 Mechanical circulatory support - Blood trauma
- RO1HL-13847-04 Engineering studies of liquid breathing systems (dogs)
- ** RO1HL-13872-16 0005 Body composition and metabolic care in surgery - Extracorporeal oxygenation (sheep, dogs, human)
- PI7HL-14152-04 0009 Pulmonary specialized center of research - Patterns of artificial ventilation (human, dogs)
- PI7HL-14152-04 0021 Pulmonary specialized center of research - Obstructive pulmonary syndromes (human)
- PI7HL-14212-04 0001 Correlated studies of pulmonary disease - Clinical studies
- PO1HL-14388-03 0020 Regulation of the circulation in pathological states - Therapeutic interventions in heart failure (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HL-15194-02 0011 Pathophysiology of cardiopulmonary dysfunction 2 Alveoli with low ventilation perfusion ratios from pulmonary arteriovenous shunt
- R01HL-15593-02 0002 Prolonged extracorporeal cardiopulmonary support - Laboratory study of prolonged extracorporeal circulation (sheep)
- R01HL-15593-02 0003 Prolonged extracorporeal cardiopulmonary support - Extracorporeal circulation in infants (sheep, human)
- ** MO1RR-00046-14 0005 General clinical research center - Breathing and ventilatory response to oxygen and carbon dioxide (human)
- MO1RR-00081-12 0025 General clinical research center, premature infants - Transport system for critically-ill infant
- MO1RR-00133-10 0053 General clinical research center - Effect of post-operative peridural analgesia on pulmonary therapy (human)
- MO1RR-00334-08 0015 General clinical research center - Methods for oxygen administration (human)
- MO1RR-00585-03 0018 General clinical research center - Alveolar ventilation in anesthetized man
- ** MO1RR-00633-02 0032 General clinical research center - Serial measurements of lung function during inhalation therapy (human)

RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, AEROSOL THERAPY

- ** PO1HL-06664-13 0028 Cardiopulmonary function in remediable vascular disease - Management of patients with respiratory distress syndrome (human, lambs)
- PO1HL-10436-09 0005 Congenital heart disease - Pulmonary physiology in pediatric chest diseases
- PO1HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
- P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
- PO1HL-16137-01 0013 Alveolar biology - Developmental biology and pathology of the surfactant-Formation of alveolar
- ** MO1RR-00050-13 0055 Wilson's disease - Aerosolized trypsin in pulmonary proteinosis (human)
- MO1RR-00051-13 0136 General clinical research center - Action of isoproterenol in asthma (human)
- MO1RR-00075-11 0031 General clinical research center for children - Pulmonary involvement and therapy in newborn infants with cystic fibrosis

RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, ARTIFICIAL RESPIRATION

- PO1GM-15904-07 0014 Anesthesiology center for research and teaching - Acute respiratory insufficiency-Ventilator pattern
- PO1GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
- PO1GM-19599-02 0002 Surveillance and predictive diagnosis in surgical patients - Work of breathing team (dogs, human)
- R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
- ** P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
- PO1NS-11766-01 0008 Clinical research center for neuromuscular disease - Myoneural function in full term and premature infants

RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, ELECTRONIC RESPIRATORY STIMULATORS

- R01HL-04651-15 Remote stimulation by radio-frequency transmission (dogs, human)
- ** P17HL-14179-04 0010 Center for the study of lung disease - Electrophonic respiration (human)
- ** MO1RR-00125-11 0120 General clinical research center-adult-child - Remote stimulation by radiofrequency transmission

RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, FLUOROCARBON

- ** P02CA-11051-06 0019 Clinical radiation research center - Carbon breathing during radiation therapy (human)
- R10CA-12252-03 Radiation therapy oncology group
- R10CA-12262-03 Radiation therapy oncology group
- ** R01FD-00574-01 Pharmacokinetics and toxicity of aerosol propellants (dogs, rabbits)
- ** PO1GM-09069-12 0066 Research in anesthesiology - Pulmonary lavage with oxygenated fluorocarbon (dogs)
- ** R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
- PO1HD-05221-05 0027 Center grant in mental retardation - Neurophysiology
- PO1HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
- ** PO1HL-10539-09 0045 Pathophysiology of circulation - Effect of fluorocarbon on isolated cardiac muscle (rats)
- ** R01HL-12419-06 Surgical cardiovascular problems (animals)
- R01HL-13847-04 Engineering studies of liquid breathing systems (dogs)

- ** R01HL-15520-02 Total blood replacement by fluorocarbons and polyols (rats, monkeys)
- R01HL-15593-02 0002 Prolonged extracorporeal cardiopulmonary support - Laboratory study of prolonged extracorporeal circulation (sheep)
- ** R01HL-16595-01 Liquid membrane blood oxygenation (dogs)
- ** R01HL-16643-01 Fluorocarbon emulsions as artificial blood (animals)
- ** R01HL-16700-01 Centrifugal fluorocarbon blood oxygenation (dogs)
- R23HL-17154-01 Liquid ventilation in newborn with RDS (sheep)

RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPERBARIC OXYGENATION

- P02AM-13083-06 0059 Organ transplantation - Function after allotransplantation of pancreaticoduodenal graft (dogs)
- R01CA-05654-14 Evaluation of supervoltage therapy (human)
- P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
- ** P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
- P02CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
- R01CA-11447-06 Effect of hyperoxia on normal and neoplastic cells (dogs, mice, human)
- R10CA-12248-03 Radiation therapy oncology group
- R10CA-12252-03 Radiation therapy oncology group
- R10CA-12260-03 Radiation therapy oncology group
- R10CA-12261-03 Radiation therapy oncology group
- R10CA-12478-04 Gynecologic oncology group
- P02CA-13696-02 0023 Clinical cancer research center - Chemotherapy of nervous system tumors-Clinical studies (human)
- R01EY-00330-08 Ocular pharmacology (human, animals)
- ** R01EY-01008-02 Studies of retinal ischemia (human, monkeys)
- PO1GM-09069-12 0075 Research in anesthesiology - Distribution of cardiac output during anesthesia and induced hypertension (dogs)
- ** PO1GM-09069-12 0123 Research in anesthesiology - Central nervous system toxicity of hyperbaric oxygen
- ** PO1GM-15430-07 0016 Research in anesthesia - Cerebral blood flow (human, goats)
- P11GM-15956-07 0019 Factors affecting the responses to drugs - Effects of hyperbaric oxygen and methylene blue on methemoglobinemia (mice)
- ** PO1HD-00668-16 0023 Aging and the aged - Hyperbaric oxygenation, behavior, and EEG in the aged
- PO1HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- ** R01HL-01646-24 Lungs in head injury-Regional brain blood flow and Po₂ (mammals)
- ** R01HL-05875-14 Pathologic metabolic and physiologic studies of heart (dogs)
- M PO1HL-07896-13 Environmental biomedical research program
- ** PO1HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
- PO1HL-07896-13 0005 Environmental biomedical research program - Pediatrics
- ** PO1HL-07896-13 0008 Environmental biomedical research program - Auditory physiology and hyperbaric oxygenation (human, animals)
- ** PO1HL-07896-13 0013 Environmental biomedical research program - Response of pulmonary lymphatics to hyperbaric oxygen (dogs)
- ** PO1HL-07896-13 0015 Environmental biomedical research program - Heat and mass transfer at simulated depths breathing helium (human)
- ** PO1HL-07896-13 0018 Environmental biomedical research program - Studies of senile dementia
- ** PO1HL-07896-13 0019 Environmental biomedical research program - Hyperbaric oxygen and visual function in selected aged humans
- ** PO1HL-07896-13 0020 Environmental biomedical research program - Angina and exercise during exposure to hyperbaric oxygen (human)
- PO1HL-07896-13 0021 Environmental biomedical research program - Pulmonary mechanics, liquid breathing and gas exchange (human)
- PO1HL-07896-13 0023 Environmental biomedical research program - Effects of hydrostatic pressure on ventilation (dogs)
- ** PO1HL-07896-13 0024 Environmental biomedical research program - Gas exchange in man exposed to high oxygen tension
- ** PO1HL-07896-13 0028 Environmental biomedical research program - Cerebral vascular responses to hyperbaric oxygenation (dogs)
- ** PO1HL-08899-10 0008 Oxygenation and oxygen effects in man - Hypoxia in regards to respiratory and brain circulatory control (goats)
- PO1HL-08899-10 0010 Oxygenation and oxygen effects in man - High oxygen pressure in septic shock (human)

- PO1HL-08899-10 0014 Oxygenation and oxygen effects in man - Cellular and renal responses to hypercapnia and hypocapnia (dogs)
- ** PO1HL-08899-10 0024 Oxygenation and oxygen effects in man - Effects of oxygen pressures on physiological control systems (dogs, human)
- PO1HL-14414-03 0004 Cardiorespiratory performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
- PO1HL-14414-03 0011 Cardiorespiratory performance and environmental factors - Gas balance of tissues (rats, cats)
- ** P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
- ** P18HL-15169-03 0006 Comprehensive sickle cell disease center - Effect of high oxygen concentration upon healing of chronic leg ulcers (human)
- ** R01HL-16758-01 Lung O₂ toxicity-Metabolism, pathology and recovery
- R01HL-16855-01 Cavitation in biological systems
- ** R01MH-24337-01 Hyper- and normobaric oxygen in senility
- PO1NS-07377-05 0001 Clinical head injury research - Clinical evaluation of the patient
- R01NS-07945-04 Aerobic mitochondrial regulatory processes (rabbits, rats)
- ** R01NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)
- PO1NS-10828-01 0003 An interdepartmental stroke program - Cerebral hemodynamics using an animal model (cats, monkeys)
- PO1NS-10828-01 0005 An interdepartmental stroke program - Neurochemical changes accompanying alterations in cerebral circulation (animals)
- ** PO1NS-11066-01 0004 Fundamental studies in spinal cord injury - Neuropathological studies of spinal cord injuries (human, animals)
- ** MO1RR-00030-13 0117 General clinical research center - Cerebral response to oxygenation in organic dementia (human)

RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPEROXIA

- SEE ALSO EYE DISORDERS, RETROLENTAL FIBROPLASIA
SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPERBARIC OXYGENATION
- PO1AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- R01AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
- R01AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- ** R01CA-11447-06 Effect of hyperoxia on normal and neoplastic cells (dogs, mice, human)
- P02CA-12197-03 0024 Multidisciplinary oncology research center - Effects of oxygen tension and ultrasound on oxidative metabolism (rats)
- PO1GM-14267-09 0010 Microelectronics laboratory for biomedical science - Pediatric systems (cats, human)
- M PO1GM-15991-06 Anesthesia research center
- PO1GM-15991-06 0048 Anesthesia research center - Pulmonary oxygen toxicity (monkeys, dogs, rats)
- PO1GM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange
- ** NO1HB-22925-02 Sickle cell studies (human)
- ** PO1HD-03015-08 0028 Program for developmental biology - Pulmonary oxygen toxicity (rabbits)
- R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- R01HD-05837-02 Metabolism of isolated perfused newborn lung (rabbits)
- M PO1HL-07896-13 Environmental biomedical research program
- ** PO1HL-07896-13 0001 Environmental biomedical research program - Heart and circulation (human, dogs)
- ** PO1HL-07896-13 0005 Environmental biomedical research program - Pediatrics
- ** PO1HL-07896-13 0012 Environmental biomedical research program - Hypoxia on oxyhemoglobin dissociation in man and on red cell diphosphoglycerate
- ** PO1HL-07896-13 0016 Environmental biomedical research program - Inspired pressures of oxygen upon clearance of tantalum from airway (human, dogs)
- M PO1HL-08899-10 Oxygenation and oxygen effects in man
- ** PO1HL-08899-10 0007 Oxygenation and oxygen effects in man - Effects of high oxygen pressures on visual function (human, animals)
- ** PO1HL-08899-10 0009 Oxygenation and oxygen effects in man - High oxygen pressures upon myocardial efficiency (dogs)
- ** PO1HL-08899-10 0010 Oxygenation and oxygen effects in man - High oxygen pressure in septic shock (human)
- ** PO1HL-08899-10 0012 Oxygenation and oxygen effects in man - High oxygen for normal brain metabolism and circulation in man
- ** PO1HL-08899-10 0016 Oxygenation and oxygen effects in man - Oxygen tolerance in man
- ** PO1HL-08899-10 0017 Oxygenation and oxygen effects in man - Pulmonary tolerance (human, dogs)

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- ** P01HL-08899-10 0019 Oxygenation and oxygen effects in man - High oxygen pressure upon carotid chemoreceptor (cats)
- ** P01HL-08899-10 0020 Oxygenation and oxygen effects in man - Oxygen tolerance (human, rats, guinea pigs)
- ** P01HL-08899-10 0021 Oxygenation and oxygen effects in man - Renal oxygen toxicity (dogs)
- ** P01HL-08899-10 0023 Oxygenation and oxygen effects in man - Hypoxia and hyperoxia in respiratory response in regards to PCO₂ (human)
- ** P01HL-08899-10 0025 Oxygenation and oxygen effects in man - Physiological and toxic effects of oxygen on cardiopulmonary gas transport (dogs)
- ** P01HL-08899-10 0026 Oxygenation and oxygen effects in man - Physiological, toxic effects of oxygen on central nervous system (human, animals)
- ** P01HL-08899-10 0027 Oxygenation and oxygen effects in man - Effects of high oxygen pressures on ethanol metabolism (human)
- P01HL-10098-10 0022 Primates in cardiovascular research - Perinatal biology
- R01HL-12530-06 Emphysema-Respiratory function in disease (human, dogs)
- P17HL-14136-04 0007 Obstructive lung diseases - Respiratory distress and pulmonary surfactant (rats, rabbits)
- P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
- P17HL-14214-04 0006 Neonatal lung center - Factors related to intracranial bleeding in HMD (human infants)
- ** R01HL-14436-03 Pulmonary oxygen toxicity (human, rabbits)
- ** R01HL-14474-03 Mechanisms of oxygen toxicity of the lung (rats)
- ** R01HL-14663-03 Pulmonary oxygen toxicity in newborn mice
- P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
- P17HL-15061-03 0011 Response of lung to injury - Lung epithelium cell death, proliferation and differentiation after injury (mice)
- ** P17HL-15088-03 0002 Diffuse granulomatous and fibrotic pulmonary disease - Effect on regulation of the pulmonary circulation (dogs)
- P18HL-15170-03 0022 Comprehensive sickle cell disease center - Surface chemicals (human)
- R01HL-15497-02 Factors affecting growth and function of lung (rats)
- ** R01HL-15877-01 Recovery of lung function following oxygen poisoning (dogs)
- R01HL-16031-01 The lung lining layer-Synthesis and secretion (rats)
- M P01HL-16137-01 Alveolar biology
- P01HL-16137-01 0004 Alveolar biology - Subcellular processes and controls in the surfactant system (animals)
- ** P01HL-16137-01 0005 Alveolar biology - Structural-functional patterns of alveolar cells and their organelles (animals)
- ** P01HL-16137-01 0006 Alveolar biology - Hypolipemic agents and their effects on pulmonary epithelial organelles (rats)
- ** P01HL-16137-01 0007 Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)
- R01HL-16336-01 Compensatory pulmonary hypertrophy (rats)
- R01HL-16514-01 Pulmonary surfactant-Morphology biosynthesis, turnover (rabbits, rats)
- ** R01HL-16758-01 Lung O₂ toxicity-Metabolism, pathology and recovery
- R23HL-17098-01 Quantitative pulmonary responses to exercise (human)
- R23HL-17154-01 Liquid ventilation in newborn with RDS (sheep)
- ** R01HL-17719-01 Mechanisms of oxygen toxicity of the lung (rats)
- R01HL-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)
- ** R01NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)
- R01OH-00352-05 Lung cell function in health and disease (human, rabbits)
- ** M01RR-00133-10 0065 General clinical research center - Platelet kinetics as indicator of early pulmonary oxygen toxicity (human, dogs)
- RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPERVENTILATION PASSIVE**
- P02CA-05826-13 0070 Clinical cancer research center - Monitoring intracranial pressure (human)
- P01GM-09069-12 0001 Research in anesthesiology - Respiratory distress syndrome in newborn lambs
- ** P01GM-09069-12 0063 Research in anesthesiology - Hyperventilation and CO₂ production (dogs)
- ** P01GM-18470-03 0012 Trauma center - Respiratory and cardiovascular injury in head injury (cats, dogs, human)
- P01HD-05221-05 0028 Center grant in mental retardation - Neurosurgical research

- P01HL-08899-10 0021 Cardiovascular and pulmonary performance - Chemical regulation of ventilation in patients with respiratory insufficiency
- R01HL-14278-03 Quantitation of CO₂ inhibition in ventilatory control (human)
- P01NS-06826-06 Univ Tennessee cerebrovascular research cr (human, dogs, cats, monkeys)
- P01NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
- RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, OXYGEN INHALATION THERAPY**
- P02CA-11911-04 0012 Clinical cancer center - Effects of 5-fluorouracil, oxygen inhalation therapy on radiation-treated cancer
- ** P02CA-11911-04 0014 Clinical cancer center - Fluorouracil, radiation, oxygen therapy adjuncts to surgery of rectal carcinoma
- R10CA-12248-03 Radiation therapy oncology group
- P01GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
- R01HL-03941-15 Uterine blood flow and changes in pregnancy (sheep)
- P01HL-06285-14 0138 Cardiovascular-respiratory physiology and biochemistry - Ductus arteriosus in infants with congenital lesions (human)
- ** P01HL-13108-05 0011 Clinical heart transplantation - Oxygen arterial saturations on the function of the failing human heart
- ** R01HL-13714-04 Respiratory control in patients with hypoventilation (human)
- ** R01HL-13885-04 0002 Cystic fibrosis and pulmonary disease - Evaluation of therapy (infants, children)
- P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
- ** P17HL-15061-03 0014 Response of lung to injury - Safe limits for elevated inspired oxygen concentrations in infants and children
- R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- R13HL-16740-01 Conference on scientific basis of respiratory therapy (Pennsylvania)
- ** M01RR-00051-13 0003 General clinical research center - Control of hypoxemia in chronic airway obstruction and cor pulmonale (human)
- RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, POSITIVE PRESSURE BREATHING**
- P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
- ** P01GM-14267-09 0010 Microelectronics laboratory for biomedical science - Pediatric systems (cats, human)
- P01GM-15571-06 0079 Anesthesia research-Program project - Intensive care unit
- P01GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
- R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
- R01HL-12679-06 Hemodynamics of edema at high altitude lung (dogs)
- P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
- P17HL-14169-04 0001 Pulmonary disease center - Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human)
- P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
- P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
- P17HL-14179-04 0009 Center for the study of lung disease - Evaluation of therapy in chronic pulmonary diseases in children
- ** P17HL-14201-04 0002 Pulmonary disease research center - Therapy of IRDS with continuous positive airway pressure (human, infants)
- P17HL-14201-04 0004 Pulmonary disease research center - Long term evaluation of infants who have survived IRDS (human)
- P17HL-14201-04 0005 Pulmonary disease research center - Blood volume and pulmonary blood flow in the fetus (human, lambs)
- ** P17HL-14201-04 0017 Pulmonary disease research center - Sequelae of mechanical ventilation for respiratory failure (human)
- P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
- R01HL-14474-03 Mechanisms of oxygen toxicity of the lung (rats)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- ** P01HL-15037-03 0005 Mechanisms of cardiopulmonary dysfunction in shock - Therapy of wet-lung syndrome (dogs)

- ** P01HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
- R01HL-15432-02 Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs)
- R01HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
- R01HL-16616-01 Physiology of perfusion hypothermia in newborn (human, lambs, dogs, monkeys)
- R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- ** R23HL-17111-01 Effect of PEEP on formation of pulmonary edema (dogs)
- R01HL-17719-01 Mechanisms of oxygen toxicity of the lung (rats)
- P01NS-06779-06 0005 Cerebrovascular clinical research center - Vasomotor mechanisms and neural control of CV function (cats, dogs, human)
- M01RR-00081-12 0002 General clinical research center, premature infants - Assisted ventilation in treatment of respiratory failure
- ** M01RR-00081-12 0021 General clinical research center, premature infants - Survival of respiratory failure with use of positive pressure ventilation
- ** M01RR-00125-11 0221 General clinical research center-adult-child - Positive airway pressure in hyaline membrane disease
- M01RR-00749-02 0017 General clinical research center - Investigation of shock (human)
- RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, PULMONARY LAVAGE**
- R01A-09586-04 Ultrastructure and replication of Mycoplasma pneumoniae (hamsters)
- P01GM-09069-12 0066 Research in anesthesiology - Pulmonary lavage with oxygenated fluorocarbon (dogs)
- P01HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
- ** P01HL-08805-10 0009 Cardiovascular and pulmonary performance - Bronchopulmonary lavage (human)
- P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
- R01HL-15013-03 Calcium effects on oxidative metabolism of lung tissue (mammals sub-human, birds)
- ** P17HL-15061-03 0001 Response of lung to injury - Bronchopulmonary lavage (human, rabbits)
- R01HL-15593-02 0002 Prolonged extracorporeal cardiopulmonary support - Laboratory study of prolonged extracorporeal circulation (sheep)
- R01HL-15593-02 0003 Prolonged extracorporeal cardiopulmonary support - Extracorporeal circulation in infants (sheep, human)
- R01HL-15779-01 Aspiration pneumonia-Pathophysiology and treatment (dogs)
- R01HL-16476-01 Experimental lung transplantation (dogs, fowls)
- P01HL-16748-01 0006 Cellular and immunological bases of pulmonary diseases - Sarcoidosis-Studies with bronchial lavage (human)
- ** M01RR-00030-13 0028 General clinical research center - Ventilation of human lungs with liquid
- ** M01RR-00040-14 0019 General clinical research center - Bronchopulmonary lavage (human)
- ** M01RR-00075-11 0062 General clinical research center for children - Evaluation of bronchial lavage via ventilating bronchoscope in cystic fibrosis
- M01RR-00425-06 0005 General clinical research center - Secretion and removal of pulmonary surfactant in alveolar proteinosis (human)
- RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATION EX-VIVO**
- SEE ALSO HEART-LUNG PREPARATION
- ** R01HD-04154-06 Shock in infancy-Metabolic and hemodynamic aspects (swine, monkeys)
- RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATORS**
- P01GM-09069-12 0057 Research in anesthesiology - Respiratory function of newborn infants during mechanical ventilation (human)
- ** P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
- P01GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
- R01HL-02001-20 Cardiopulmonary physiology (human, dogs)
- ** P01HL-08805-10 0027 Cardiovascular and pulmonary performance - Hypovolemia and hypotension in intermittent positive pressure breathing (human)
- P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
- P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
- ** R01HL-16494-01 Oxygen uptake, RQ, and airflow in respirator patients
- P01NS-07377-05 0003 Clinical head injury research - Altering arterial carbon dioxide and oxygen (human)

(contd)

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- RES**
- ** M01RR-00081-12 0002 General clinical research center, premature infants - Assisted ventilation in treatment of respiratory failure
- ** M01RR-00645-03 0058 Clinical research center - Synchronization of patients with mechanical ventilators
- RESPIRATORY CARE UNITS**
SEE HOSPITALS, INTENSIVE CARE UNITS, RESPIRATORY
- RESPIRATORY CENTER**
SEE BRAM, RESPIRATORY CENTER
- RESPIRATORY CENTER DYSFUNCTION**
HYPOVENTILATION
SEE RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION
- RESPIRATORY CIRCULATION**
- P01GM-10548-12 0006 Nuclear instrumentation and chemistry in medicine - Pathophysiological studies (human)
- ** R01HL-05835-03 Perinatal immersion effects (sheep)
- R01HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
- P01HL-04899-10 0008 Oxygenation and oxygen effects in man - Hypoxia in regards to respiratory and brain circulatory control (goats)
- ** P01HL-04899-10 0024 Oxygenation and oxygen effects in man - Effects of oxygen pressures on physiological central systems (dogs, human)
- P01HL-10342-09 0009 Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
- ** P18HL-15158-03 0025 Comprehensive sickle cell disease center - Cardiopulmonary and cardiovascular evaluation (human)
- R01HL-15593-02 0001 Prolonged extracorporeal cardiopulmonary support - Clinical prolonged extracorporeal circulation (human)
- R01HL-15726-01 Permeation mechanism of gases into the lung
- R23HL-17119-01 Flow in collapsible model alveolar capillary networks
- R23HL-17147-01 Radiographic study of the developing lung (dogs, humans)
- P07RR-00007-11 0291 Computer processing in biomedical systems - Biplane video montage system
- ** P07RR-00007-11 0343 Computer processing in biomedical systems - Computer technology of physiology systems
- ** P07RR-00007-11 0345 Computer processing in biomedical systems - Computer application to physiological experiment
- M01RR-00585-03 0018 General clinical research center - Alveolar ventilation in anesthetized man
- RESPIRATORY CIRCULATION, BRONCHIAL CIRCULATION**
- R01HL-05933-15 Applied pulmonary physiology (human)
- R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
- ** P17HL-14179-04 0018 Center for the study of lung disease - The lungs as a system with dual flow
- ** P17HL-15088-03 0003 Diffuse granulomatous and fibrotic pulmonary disease - Blood supply of pulmonary granulomatous tissue (dogs)
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- RESPIRATORY CIRCULATION, PULMONARY ARTERY**
- R01HD-05936-03 Lung hydraulic impedance evaluation in children
- R01HL-00851-23 Experimental cardiac surgery (human)
- R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- ** P01HL-04885-15 0010 Comparative cardiovascular studies - Constrained non-conic vessels in dynamic environment (models, calves)
- R01HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
- P01HL-08805-10 0005 Cardiovascular and pulmonary performance - Autonomic nervous control of the pulmonary circulation (dogs)
- R01HL-13045-05 Pulmonary artery occlusion—Effect on lung metabolism (dogs)
- ** P01HL-13109-05 0017 Clinical heart transplantation - Pulmonary vascular resistance following cardiac transplantation (human)
- P01HL-13738-03 0001 Cardiac assist devices and artificial hearts - Cardiac assist devices (human, sheep)
- P17HL-15088-03 0001 Diffuse granulomatous and fibrotic pulmonary disease - Effect on the alveolar-arterial oxygen difference (dogs)
- R23HL-17186-01 Catecholamines in neurogenic pulmonary edema (dog)
- RESPIRATORY CIRCULATION, PULMONARY CIRCULATION**
SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATION EX-VIVO
- R01AL-09160-06 Factors controlling humoral antibody synthesis (rabbits)
- R01CA-13683-02 Lung cancer—Videodensitometry for mass screening
- ** P01GM-09069-12 0015 Research in anesthesiology - On-line pulmonary gas exchange
- M P01GM-15991-06 Anesthesia research center
- P01GM-15991-06 0007 Anesthesia research center - Tidal volumes in acute pulmonary edema (dogs)
- P01GM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange
- P11GM-20387-02 0003 Multidisciplinary research program in pharmacology-toxicology - Beta-blocking drug metabolism in the isolated cardiopulmonary circuit (dogs)
- R01HD-02704-08 Lung edema, immaturity and hyaline membrane disease (dogs, rabbits, sheep)
- ** R01HD-03639-06 Pathogenesis and mechanics of pulmonary hypoplasia (sheep)
- R01HD-07160-01 Hyaline membrane disease—Neonatal cerebral (monkeys, swine)
- R01HL-02001-20 Cardiopulmonary physiology (human, dogs)
- ** R01HL-02379-17 Pulmonary capillary bed in cardiopulmonary disease (human)
- R01HL-03532-17 Cardiovascular control and compensatory responses (human, dogs, monkeys)
- R01HL-04797-15 Pulmonary circulatory insufficiency (human, dogs, lambs)
- P01HL-04885-15 0012 Comparative cardiovascular studies - Physical aspects of flows in the pulmonary trunk
- ** P01HL-04885-15 0013 Comparative cardiovascular studies - Spectral analyses of pressure and flow in pulmonary trunk (models, calves, dogs)
- ** P01HL-04885-15 0015 Comparative cardiovascular studies - Alterations of pulmonary trunk compliance
- R01HL-05883-14 Reflex control of resistance and capacitance vessels
- P01HL-06285-14 0127 Cardiovascular-respiratory physiology and biochemistry - Experimental congenital cardiac lesions in fetal lambs
- ** P01HL-06285-14 0128 Cardiovascular-respiratory physiology and biochemistry - Pulmonary circulation in fetal lambs in utero
- ** P01HL-06285-14 0129 Cardiovascular-respiratory physiology and biochemistry - Pulmonary circulation in the fetus and neonate (lambs)
- P01HL-06285-14 0136 Cardiovascular-respiratory physiology and biochemistry - Fetal microcirculation in utero (rabbits, lambs)
- ** P01HL-06285-14 0139 Cardiovascular-respiratory physiology and biochemistry - Pulmonary circulation in infants with congenital cardiac disease (and lambs)
- P01HL-06285-14 0142 Cardiovascular-respiratory physiology and biochemistry - Natural history of endocardial cushion defects (children)
- ** P01HL-06285-14 0145 Cardiovascular-respiratory physiology and biochemistry - Pulmonary, plaural and systemic microcirculation (animals)
- ** P01HL-06285-14 0167 Cardiovascular-respiratory physiology and biochemistry - Pulmonary capillary blood flow (human)
- ** P01HL-06296-14 0002 Human adaptation to environmental and exercise stress - Pulmonary blood volume flow and diffusing capacity (human, animals)
- P01HL-06308-14 0009 Mechanisms and therapy of circulatory disease - Surgical hemodynamics (dogs)
- ** P01HL-06308-14 0015 Mechanisms and therapy of circulatory disease - Pulmonary circulation (dogs, rats)
- ** P01HL-06308-14 0016 Mechanisms and therapy of circulatory disease - Cardiopulmonary baroreflexes (dogs)
- ** P01HL-06664-13 0025 Cardiopulmonary function in remediable vascular disease - Pulmonary blood flow, ventilation and lung function (human)
- ** P01HL-06664-13 0027 Cardiopulmonary function in remediable vascular disease - Factors controlling pulmonary perfusion in the reimplanted lung (dogs)
- ** P01HL-08805-10 0005 Cardiovascular and pulmonary performance - Autonomic nervous control of the pulmonary circulation (dogs)
- P01HL-08805-10 0025 Cardiovascular and pulmonary performance - Pulmonary edema (dogs)
- ** R01HL-10009-09 Pulmonary blood flow distribution in man
- P01HL-10342-09 0008 Cardiovascular, pulmonary, and behavioral studies - Respiratory mechanics and pulmonary edema (human, dogs)
- ** P01HL-10342-09 0017 Cardiovascular, pulmonary, and behavioral studies - Pressure, flow, and volume relations of the pulmonary circulation (dogs)
- ** P01HL-10342-09 0021 Cardiovascular, pulmonary, and behavioral studies - Regulation of systemic, pulmonary, and coronary circulation (dogs)
- P01HL-10436-09 0005 Congenital heart disease - Pulmonary physiology in pediatric chest diseases
- ** R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
- R01HL-11152-08 Vascular physiology (human, cats, dogs, goats)
- ** P01HL-11678-07 0036 Cardiovascular dynamics and their control - Pulmonary capillary dynamics and edema (animals)
- ** R01HL-11802-07 Cardiovascular surgical research (dogs)
- ** R01HL-11919-07 Pulmonary circulation in surgical heart disease (human, dogs)
- R01HL-12090-07 Alveolar ventilation in anesthetized man
- ** P01HL-12373-06 0010 Cardiopulmonary physiology and pathophysiology - Pulmonary pathology and pathophysiology (dogs)
- ** R01HL-12439-05 Pulmonary circulation and pulmonary embolism (human, dogs)
- ** R01HL-12638-06 Vascular resistances in pulmonary circulation (human, dogs)
- R01HL-12679-06 Hemodynamics of edema at high altitude lung (dogs)
- ** R01HL-12879-05 Pulmonary transport and metabolism in vivo (dogs, human)
- ** R01HL-13453-04 Hemodynamic response to elevated CSF pressure (dogs)
- P01HL-13517-04 0008 Circulatory performance and prediction - Relationship of venous return to circulatory performance (dogs)
- ** R01HL-13687-04 Pulmonary ventilation, blood flow and gas exchange (human, dogs)
- P01HL-13737-04 0017 Assisted circulation - Effects of isometric cardiac assistance on pulmonary function (human)
- ** R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- R01HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
- ** R01HL-14124-02 Factors which alter pulmonary capillary blood volume (human, dogs)
- P17HL-14152-04 0005 Pulmonary specialized center of research - Fibrinopeptides in respiratory distress syndrome (human, rabbits)
- P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
- ** P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
- P17HL-14179-04 0018 Center for the study of lung disease - The lungs as a system with dual flow
- ** P17HL-14179-04 0019 Center for the study of lung disease - Regional lung function
- P17HL-14201-04 0001 Pulmonary disease research center - Asphyxia, hypovolemia and hypotension in IRDS (human infants)
- P17HL-14201-04 0002 Pulmonary disease research center - Therapy of IRDS with continuous positive airway pressure (human, infants)
- ** P17HL-14201-04 0003 Pulmonary disease research center - Factors influencing pulmonary blood flow in infants (human)
- P17HL-14201-04 0004 Pulmonary disease research center - Long term evaluation of infants who have survived IRDS (human)
- ** P17HL-14201-04 0005 Pulmonary disease research center - Blood volume and pulmonary blood flow in the fetus (human, lambs)
- P17HL-14201-04 0019 Pulmonary disease research center - Quantitative studies on pulmonary edema (human, dogs, sheep)
- P17HL-14201-04 0020 Pulmonary disease research center - Pulmonary edema measurement with focused electrical impedance bridge (human)
- ** P17HL-14218-04 0009 Newborn lung center - Filtration coefficient of pulmonary capillaries in experimental RDS (dogs, sheep)
- ** P17HL-14251-04 0007 Pathophysiology and management of respiratory insufficiency - Pulmonary circulation (dogs)
- ** P01HL-14414-03 0005 Cardiorespiratory performance and environmental factors - Estimation of ventilation-perfusion maldistribution (human)
- R01HL-14436-03 Pulmonary oxygen toxicity (human, rabbits)
- ** R01HL-14456-02 Lung metabolism—Enzymes in the pulmonary circulation (rats, dogs)
- ** R01HL-14479-06 Immunohistochemical aspects of normal and diseased lung (human, dogs, swine)
- R01HL-14529-03 Systems analysis of baroreflex (dogs)
- R01HL-14557-02 Ventricular and pulmonary response to volume overload (dogs)
- R01HL-14829-02 Perinatal cardiovascular response to acid and aRaffi (dogs, goats, lamb)
- R01HL-14979-02 Red cell sickling, hemodynamics and pathology (deer, human)
- M P01HL-14985-03 Adaptation to hypoxia
- P01HL-14985-03 0001 Adaptation to hypoxia - Hypoxic pulmonary hypertension mechanism (dogs)
- ** P01HL-14985-03 0005 Adaptation to hypoxia - Pulmonary microcirculatory response to hypoxia and acidemia (dogs)
- ** P01HL-14985-03 0007 Adaptation to hypoxia - Control of pulmonary circulation (human, animals)
- P17HL-15063-03 0004 SCOR diffuse infiltrate vs lung disease - Computers in respiratory disease (human)
- ** P17HL-15088-03 0002 Diffuse granulomatous and fibrotic pulmonary disease - Effect on regulation of the pulmonary circulation (dogs)
- M P01HL-15194-02 Pathophysiology of cardiopulmonary dysfunction
- P01HL-15194-02 0010 Pathophysiology of cardiopulmonary dysfunction - Ventilation-perfusion ratios measurements of elimination of inert gases
- P01HL-15194-02 0011 Pathophysiology of cardiopulmonary dysfunction - Alveoli with low ventilation perfusion ratios from pulmonary arteriovenous shunt

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** P01HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
- ** R01HL-15407-02 Physiological changes and lung metabolic functions (dogs)
- ** R01HL-15580-02 Humoral control of pulmonary and systemic circulation (dogs)
- ** R01HL-15694-01 Pulmonary vascular and left atrial baroreflexes (dogs)
- R01HL-15755-01 Experimental emphysema (dogs)
- R01HL-15832-02 0005 Chemical predispositions to lung injury - Pulmonary structure and stress-strain relationships (mammals)
- R01HL-15832-02 0007 Chemical predispositions to lung injury - Inactivation of vasoactive agents by the lung (human, rat, cat, dog, guinea pig)
- R01HL-15877-01 Recovery of lung function following oxygen poisoning (dogs)
- R01HL-16031-01 The lung lining layer-Synthesis and secretion (rats)
- R01HL-16137-01 0014 Alveolar biology - Pathology of alveoli and the surfactant-Fetal distress (sheep)
- ** R01HL-16247-01 Factors influencing substrate uptake by the lung (rats)
- ** R01HL-16256-01 Respiratory mechanics in hemodynamics pulmonary edema (dogs)
- ** R01HL-16292-01 0006 Surgery and non-obstructive coronary insufficiency - Myocardial failure after pulmonary shunt (dogs)
- R01HL-16466-01 Histogenesis and biochemistry of embryonic lung (chickens)
- R01HL-16623-01 Capillary permeability in the lung (dogs)
- R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- R01HL-16714-01 Endothelial cell communication in homeostasis (human, mammals, sharks)
- R01HL-16784-01 Lung tissue and water volume (human, dogs)
- R23HL-17112-01 Lung and prostaglandins-Metabolism and vasomotion (cats)
- R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)
- R23HL-17212-01 Computer modeling of lung water and solute exchange (sheep)
- ** R01HL-17711-01 Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs)
- ** P01NS-07366-07 0014 Head injury clinical center research program - Pathogenesis of respiratory failure after head trauma (human)
- ** P07RR-00012-12 0067 Computer facility for medical community - Thermomodulation in monitoring the pulmonary circulation in neonates
- ** P07RR-00015-12 0086 Medical school computer facility - Pulmonary circulatory insufficiency
- M01RR-00035-14 0125 General clinical research centers - Angiotensin II (human)
- ** M01RR-00052-13 0014 General clinical research center for children - Pulmonary vascular impedance in congenital heart disease
- RESPIRATORY CIRCULATION, PULMONARY VEINS**
- R01CA-11138-06 Radiobiology of normal tissues (mice)
- ** P01GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
- M01RR-00305-08 0075 Clinical research center for children - Left heart development and function in anomalous pulmonary venous connection
- RESPIRATORY CIRCULATORY DISORDERS**
- SEE ALSO CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME
- SEE ALSO DISEASES, SYNDROMES NOT LISTED ELSEWHERE, GOODPASTURE'S SYNDROME
- SEE ALSO RESPIRATORY DISORDERS, PULMONARY EDEMA
- ** P02CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
- P11GM-15477-08 0028 Drug metabolism and biochemical pharmacology - Effect of hemorrhage on the rate of hemobarbital biotransformation (dogs)
- ** P01GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- R01HD-04050-04 Effect of asphyxia on fetal lung fluid (lambs)
- R01HD-05936-03 Lung hydraulic impedance evaluation in children
- R01HL-11310-08 0015 Mechanisms of cardiovascular disease - Subsystem function after intracardiac surgery-Heart function (human, animals)
- ** R01HL-11802-07 Cardiovascular surgical research (dogs)
- R01HL-11919-07 Pulmonary circulation in surgical heart disease (human, dogs)
- P17HL-14153-04 0009 Johns Hopkins Lung Center - Correlation of pulmonary and cardiac abnormalities in autopsies (human)
- M P01HL-14985-03 Adaptation to hypoxia
- ** P17HL-15088-03 0008 Diffuse granulomatous and fibrotic pulmonary disease - Pulmonary vascular disease in progressive systemic sclerosis (human)
- ** P17HL-15098-03 0011 Special center of research-Environmental lung disease - V/O component to alveolar-arterial oxygen tension difference model (human)
- ** P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
- P01HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
- ** R01HL-17711-01 Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs)
- M01RR-00128-10 0062 General clinical research center for children - Pulmonary hypertension-Flow-resistance relationships
- ** M01RR-00305-08 0075 Clinical research center for children - Left heart development and function in anomalous pulmonary venous connection
- RESPIRATORY CIRCULATORY DISORDERS, PULMONARY CIRCULATORY OBSTRUCTIONS**
- SEE ALSO BLOOD TREATMENT, BLOOD FILTERS, VENA CAVA FILTERS
- P02AM-13083-06 0103 Organ transplantation - Clinical studies of complications in renal transplantation
- R01GM-12748-10 Mechanism of cell damage in severe burns (mice, rats)
- ** P01GM-14892-07 0007 The traumatized patient - Pulmonary function (human)
- ** P01GM-15768-06 0010 Sequence of organ failures following trauma - Prophylaxis of pulmonary embolism (human)
- P01GM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange
- P01GM-18470-03 0009 Trauma center - Intravascular coagulation and morbidity following trauma (dogs, human)
- R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
- R01HD-05936-03 Lung hydraulic impedance evaluation in children
- ** R01HD-07511-01 Pathogenesis of sudden infant death syndrome (human, rats)
- R01HL-03181-17 0026 Hemodynamics as applied to surgical problems - Prophylaxis of pulmonary embolism (human)
- R01HL-03275-16 Applied hemodynamics in cardiovascular radiology (human)
- R01HL-03745-17 Enzyme factors influencing intravascular fibrinolysis (human)
- ** P01HL-05435-14 0034 Cardiovascular research and training program - Cardiovascular surgery (human)
- ** R01HL-05875-14 Pathologic metabolic and physiologic studies of heart (dogs)
- R01HL-05933-15 Applied pulmonary physiology (human)
- M P01HL-06285-14 Cardiovascular-respiratory physiology and biochemistry
- P01HL-08805-10 0012 Cardiovascular and pulmonary performance - Cardiopulmonary applications of ultrasound (human, dogs)
- ** P01HL-08886-11 0016 Radiology-physiology cardiovascular research - Angiography and perfusion scanning in pulmonary microembolization (dogs)
- ** P01HL-08886-11 0017 Radiology-physiology cardiovascular research - Decompression sickness studies (dogs)
- ** R01HL-08929-10 0005 Surgical vascular disorders - Pulmonary embolism (dogs, human)
- ** R01HL-09203-10 Pathogenesis of pulmonary thromboembolic disease (human, rabbits, cats)
- M P01HL-10436-09 Congenital heart disease
- P01HL-10436-09 0013 Congenital heart disease - Lung transplantation (mice)
- ** P01HL-11414-07 0018 Thrombosis and atherosclerosis program - Pathogenesis of pulmonary infarction (dogs)
- ** P01HL-11414-07 0027 Thrombosis and atherosclerosis program - Thermal-Memory wire filter to prevent pulmonary embolism (human, dogs)
- P01HL-11414-07 0028 Thrombosis and atherosclerosis program - Catecholamine metabolism in the lung (rats)
- R01HL-11919-07 Pulmonary circulation in surgical heart disease (human, dogs)
- R01HL-11978-06 Reflexes in regulation of respiration (cats)
- ** P01HL-12373-06 0010 Cardiopulmonary physiology and pathophysiology - Pulmonary pathology and pathophysiology (dogs)
- ** R01HL-12439-05 Pulmonary circulation and pulmonary embolism (human, dogs)
- ** R01HL-12599-05 Chemical diagnosis of pulmonary embolism (human, dogs)
- ** R01HL-13045-05 Pulmonary artery occlusion-Effect on lung metabolism (dogs)
- ** P01HL-13330-05 0054 Mechanical circulatory support - Dynamics and prevention of traumatic gas embolism
- ** R01HL-13466-04 Pulmonary platelets in shock, trauma and embolization
- R01HL-13754-04 Postoperative thromboembolism in surgical patients (human)
- P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
- ** P17HL-14182-04 0010 A special center of research in thrombosis - Vasoactive amines and the vascular response to pulmonary embolism (human)
- P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
- ** P17HL-14187-04 0008 Center for lung research - Pulmonary embolism (dogs)
- P17HL-14201-04 0009 Pulmonary disease research center - Experimental pulmonary emphysema (rabbits)
- R01HL-14474-03 Mechanisms of oxygen toxicity of the lung (rats)
- ** R01HL-14522-03 Intravasation of fat from bone marrow cavity (rabbits, rats)
- R01HL-14717-02 Hemodynamics and heart structure-Ventricular overload (human, dogs)
- R01HL-15040-02 Shock in myocardial infarction (human)
- P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
- P18HL-15169-03 0015 Comprehensive sickle cell disease center - Pathophysiology of acute pulmonary infiltrates in sickle cell disease (human)
- P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
- ** R01HL-16253-01 New techniques in diagnosis and detection of thrombi (human)
- R01HL-16498-01 Physiological effect of extracorporeal oxygenation (calves)
- ** R01HL-16542-01 Early obstructive lung disease-Mechanics, morphometry (human autopsy)
- R01HL-17244-01 Myocardial mechanics and pharmacology (cats, dogs)
- R01HL-17719-01 Mechanisms of oxygen toxicity of the lung (rats)
- M01HR-42917-01 Extracorporeal support for respiratory insufficiency (human)
- M01HV-02069-06 Myocardial infarction and sudden cardiac death (human)
- ** M01RR-00042-14 0028 General clinical research center - Urokinase-pulmonary embolism trial (human)
- M01RR-00133-10 0065 General clinical research center - Platelet kinetics as indicator of early pulmonary oxygen toxicity (human, dogs)
- ** M01RR-00188-10 0068 General clinical research center for children - Platelet survival time in pulmonary vascular obstructive disease
- M01RR-00287-08 0021 General clinical research center - Appraisal of postoperative morbidity of vena cava filter (human)
- M01RR-00334-08 0009 General clinical research center - Streptokinase treatment of intravascular thrombosis (human)
- M01RR-00645-03 0047 Clinical research center - Pulmonary hypertension in children with portal hypertension
- M01RR-00749-02 0026 General clinical research center - Thrombolytic therapy in deep vein thrombosis (human)
- RESPIRATORY CIRCULATORY DISORDERS, PULMONARY HEART DISEASE**
- SEE ALSO HEART DISORDERS, VALVULAR, PULMONARY VALVE STENOSIS
- SEE ALSO RESPIRATORY CIRCULATORY DISORDERS, PULMONARY HYPERTENSION
- SEE ALSO SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY
- ** P02CA-08480-09 0024 Childhood cancer research center - Cardiovascular and pulmonary problems with sepsis and pneumonia (children)
- R01HD-05936-03 Lung hydraulic impedance evaluation in children
- ** R01HL-02379-17 Pulmonary capillary bed in cardiopulmonary disease (human)
- ** R01HL-04797-15 Pulmonary circulatory insufficiency (human, dogs, lambs)
- P01HL-04885-15 0006 Comparative cardiovascular studies - Hereditary patent ductus arteriosus physiology (dogs)
- R01HL-05694-15 Functional pathology of cardiovascular disease (human)
- R01HL-06642-11 Tritiated digoxin (human, rabbits, dogs)
- R01HL-09932-09 Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs)
- R01HL-10009-09 Pulmonary blood flow distribution in man
- ** R01HL-10941-08 Pathogenesis of hepatic veno-occlusive disease (monkeys, rats)
- R01HL-11688-07 Vascular factors in hemodynamic regulation (human)
- M P01HL-12373-06 Cardiopulmonary physiology and pathophysiology
- ** R01HL-13885-04 0001 Cystic fibrosis and pulmonary disease - Cardiovascular and pulmonary function (infants, children)
- R01HL-13885-04 0002 Cystic fibrosis and pulmonary disease - Evaluation of therapy (infants, children)
- ** P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
- P01HL-15194-02 0010 Pathophysiology of cardiopulmonary dysfunction - Ventilation-perfusion ratios measurements of elimination of inert gases
- R01HL-16329-02 Cardiac surgical effects on heart function in infants (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HL-16784-01 Lung tissue and water volume (human, dogs)
 R23HL-17115-01 Mast cell function in cor pulmonale and lung edemas (cats, guinea pigs, human)
 R01HL-17711-01 Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs)
 R01NS-04928-10 Cerebral metabolism during repetitive seizures (primates)
 ** M01RR-00051-13 0003 General clinical research center - Control of hypoxemia in chronic airway obstruction and cor pulmonale (human)

RESPIRATORY CIRCULATORY DISORDERS, PULMONARY HYPERTENSION

SEE ALSO RESPIRATORY CIRCULATORY DISORDERS, PULMONARY HEART DISEASE

- PO1GM-16593-06 0012 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media effect on overperfused and hypertensive lung circulation (dogs)
 ** P01HL-04885-15 0013 Comparative cardiovascular studies - Spectral analyses of pressure and flow in pulmonary trunk (models, calves, dogs)
 P01HL-06285-14 0146 Cardiovascular-respiratory physiology and biochemistry - Pathogenesis and detection of hypoxic pulmonary edema (human, animals)
 P01HL-06296-14 0001 Human adaptation to environmental and exercise stress - Dimensional analysis of ventricular function (dogs)
 M P01HL-07299-13 Hypertension, shock and circulatory failure
 P01HL-08805-10 0005 Cardiovascular and pulmonary performance - Autonomic nervous control of the pulmonary circulation (dogs)
 R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
 ** P01HL-12373-06 0010 Cardiopulmonary physiology and pathophysiology - Pulmonary pathology and pathophysiology (dogs)
 R01HL-12684-06 Angiotensin I and converting enzyme in hypertension (human, rat, rabbit, dog)
 ** R01HL-13172-05 Post-trauma mechanics and pulmonary hypertension (human, dogs, monkeys)
 R01HL-14124-02 Factors which alter pulmonary capillary blood volume (human, dogs)
 P17HL-14169-04 0002 Pulmonary disease center - Lung transplantation (dogs)
 P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
 ** P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
 R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
 ** R01HL-14557-02 Ventricular and pulmonary response to volume overload (dogs)
 ** P01HL-14985-03 0001 Adaptation to hypoxia - Hypoxic pulmonary hypertension mechanism (dogs)
 ** P01HL-14985-03 0002 Adaptation to hypoxia - Pulmonary hypertension in man at high altitude
 ** P01HL-14985-03 0007 Adaptation to hypoxia - Control of pulmonary circulation (human, animals)
 ** P17HL-15088-03 0008 Diffuse granulomatous and fibrotic pulmonary disease - Pulmonary vascular disease in progressive systemic sclerosis (human)
 R01HL-16623-01 Capillary permeability in the lung (dogs)
 R23HL-17115-01 Mast cell function in cor pulmonale and lung edemas (cats, guinea pigs, human)
 R01HL-17711-01 Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs)
 ** M01RR-00051-13 0125 General clinical research center - Coagulation in primary pulmonary hypertension (human)
 M01RR-00056-13 0070 General Clinical Research Center - Normal splitting of the second heart sound during quiet respiration (human)
 M01RR-00069-12 0047 General clinical research center, children - Eisenmenger's syndrome
 ** M01RR-00128-10 0062 General clinical research center for children - Pulmonary hypertension-Flow-resistance relationships
 ** M01RR-00305-08 0074 Clinical research center for children - Atrial distensibility and pulmonary hypertension
 ** M01RR-00645-03 0047 Clinical research center - Pulmonary hypertension in children with portal hypertension

RESPIRATORY CIRCULATORY DISORDERS, PULMONARY ISCHEMIA AND HYPOXIA

- ** R01GM-12748-10 Mechanism of cell damage in severe burns (mice, rats)
 R01GM-12829-10 0009 Wound healing - Hepatic regeneration (rats)
 ** P01GM-18470-03 0009 Trauma center - Intravascular coagulation and morbidity following trauma (dogs, human)
 ** P01HL-06285-14 0146 Cardiovascular-respiratory physiology and biochemistry - Pathogenesis and detection of hypoxic pulmonary edema (human, animals)
 R01HL-10009-09 Pulmonary blood flow distribution in man
 R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
 R01HL-13466-04 Pulmonary platelets in shock, trauma and embolization

- R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
 ** P17HL-14152-04 0002 Pulmonary specialized center of research - Effect of pulmonary ischemia on surface-active lipoprotein and RDS (lambs)
 P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
 M P01HL-14985-03 Adaptation to hypoxia
 ** P01HL-14985-03 0001 Adaptation to hypoxia - Hypoxic pulmonary hypertension mechanism (dogs)
 ** P01HL-14985-03 0003 Adaptation to hypoxia - Hypoxia and oxygen transport (human, dogs)
 ** P01HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
 ** P01HL-14985-03 0005 Adaptation to hypoxia - Pulmonary microcirculatory response to hypoxia and acidemia (dogs)
 ** P01HL-14985-03 0006 Adaptation to hypoxia - Cardiovascular performance in chronic hypoxia (dogs)
 P01HL-14985-03 0007 Adaptation to hypoxia - Control of pulmonary circulation (human, animals)
 P01HL-15194-02 0011 Pathophysiology of cardiopulmonary dysfunction - Alveoli with low ventilation perfusion ratios from pulmonary arteriovenous shunt
 R01HL-15432-02 Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs)
 ** P01HL-16137-01 0014 Alveolar biology - Pathology of alveoli and the surfactant-fetal distress (sheep)
 ** R23HL-17200-01 Control of hypoxic pulmonary vasoconstriction (dogs)
 ** M01RR-00051-13 0003 General clinical research center - Control of hypoxemia in chronic airway obstruction and cor pulmonale (human)

RESPIRATORY DISORDERS (GENERAL)

SEE ALSO HOSPITALS, INTENSIVE CARE UNITS, RESPIRATORY SEE ALSO HYPERSENSITIVITY, RESPIRATORY HYPERSENSITIVITY

SEE ALSO INJURIES, BURNS, INHALATION
 SEE ALSO INJURIES, CHEST
 SEE ALSO IRON DISORDERS AND IMBALANCES, SIDEROSIS
 SEE ALSO NASAL DISORDERS, NOSE DISORDERS
 SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, AEROSOL THERAPY

SEE ALSO RESPIRATORY CIRCULATORY DISORDERS
 SEE ALSO RESPIRATORY INFECTIONS
 SEE ALSO RICKETTSIAL DISEASES, Q FEVER

- R01AI-01528-18 New viruses in relation to clinical disease
 R01AI-06661-09 Mycoplasma pneumoniae (hamsters)
 ** N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-42528-01 Establishment of an influenza research center
 R01AM-07699-11 Synthetic inhibitors of phospholipid metabolism (rats, mice, bacteria)
 N01CP-23292-02 Modulating factors in respiratory carcinogenesis (animals)
 N01CP-43247-00 Shifts in cancer risks among Norwegian migrants
 P01DE-02872-05 0022 Craniofacial anomalies - Genetics of the Pierre Robin syndrome (human)
 ** P10ES-00002-12 0003 Occupational and environmental health - Workers exposed to toluene diisocyanate
 P10ES-00002-12 0004 Occupational and environmental health - Fire fighters
 ** R01ES-00459-04 Inhalation toxicology of environmental agents (rats)
 ** R01ES-00503-05 Automobile exhaust and chronic respiratory disease (human)
 ** P01ES-00628-04 0003 Pulmonary effects of environmental oxidant pollutants - Morphology of lungs exposed to oxidant pollutants (rats, monkeys)
 ** P01ES-00628-04 0004 Pulmonary effects of environmental oxidant pollutants - Physiology of lungs exposed to oxidant pollutants (rats, monkeys)
 R01ES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)
 R01ES-00854-03 Chemical nature and mode of action of Cnidarian toxins (rats, guinea pigs)
 ** P10ES-00928-01 0001 Environmental agents-Relation to human health effects - Silicate dusts and concurrent smoking
 ** P10ES-00928-01 0002 Environmental agents-Relation to human health effects - Organic dusts among furriers and concurrent smoking
 P01EY-00227-13 0013 The posterior segment of the eye - Retinal detachment and related conditions (human)
 R01FD-00396-03 Molecular structure of ciguatera (fish)
 P01GM-14892-07 0007 The traumatized patient - Pulmonary function (human)
 P01GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
 P01GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
 R01GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
 R01GM-21681-11 Circulation and fluid volumes in burns (rodents, cats, dogs, primates, human)
 N01GM-32104-02 Develop a latex agglutination technique for rapid diagnosis of viral diseases

- P01MD-00668-16 0009 Aging and the aged - Immunologic studies of older humans
 P01MD-07256-03 0003 Child health and development studies - Cesarean section and respiratory problems of the infant (human)
 R01MD-07403-02 Indications for tonsillectomy and adenoidectomy
 ** M01HL-12327-03 Contribution of basic science to heart and lung
 R01HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
 ** R01HL-05933-15 Applied pulmonary physiology (human)
 M P01HL-06285-14 Cardiovascular-respiratory physiology and biochemistry
 M P01HL-06664-13 Cardiopulmonary function in remediable vascular disease
 P01HL-07896-13 0021 Environmental biomedical research program - Pulmonary mechanics, liquid breathing and gas exchange (human)
 ** R01HL-08789-08 Respiratory muscles and ventilatory mechanics in man
 M P01HL-08805-10 Cardiovascular and pulmonary performance
 P01HL-08805-10 0009 Cardiovascular and pulmonary performance - Bronchopulmonary lavage (human)
 P01HL-08805-10 0027 Cardiovascular and pulmonary performance - Hypovolemia and hypotension in intermittent positive pressure breathing (human)
 P01HL-08899-10 0016 Oxygenation and oxygen effects in man - Oxygen tolerance in man
 M P01HL-09814-09 Research program - Cardiovascular and related disease
 P01HL-09814-09 0016 Research program - Cardiovascular and related disease - Morbidity and mortality follow-up (human)
 ** P01HL-09814-09 0017 Research program - Cardiovascular and related disease - Acute upper respiratory disease (human)
 ** P01HL-09814-09 0018 Research program - Cardiovascular and related disease - Antibody status and health of children during first year of life
 ** P01HL-09814-09 0022 Research program - Cardiovascular and related disease - Antecedents in childhood of chronic respiratory disease in young adults
 ** P01HL-09814-09 0036 Research program - Cardiovascular and related disease - Interrelationship chronic respiratory disease and coronary heart disease (human)
 P01HL-09814-09 0038 Research program - Cardiovascular and related disease - Isuprel inhalation on lung function, respiration and smoking (human)
 ** P01HL-09814-09 0039 Research program - Cardiovascular and related disease - Lung function during exercise and respiratory disease (human)
 R01HL-10331-09 Carbon monoxide production and body CO stores (human, dogs)
 R01HL-13503-03 Quantitation display of electrocardiographic data
 ** P17HL-14136-04 0007 Obstructive lung diseases - Respiratory distress and pulmonary surfactant (rats, rabbits)
 ** P17HL-14152-04 0022 Pulmonary specialized center of research - Bioinstrumentation in the diagnosis and treatment of respiratory disease
 M P17HL-14179-04 Center for the study of lung disease
 ** P17HL-14179-04 0007 Center for the study of lung disease - Postnatal lung growth, its abnormalities in infants and children (and dogs)
 ** P17HL-14179-04 0017 Center for the study of lung disease - Serum enzyme profiles in lung disease (human, dogs)
 P17HL-14187-04 0007 Center for lung research - New xenon 133 method for measurement of regional V/Q ratios (human)
 P17HL-14201-04 0017 Pulmonary disease research center - Sequelae of mechanical ventilation for respiratory failure (human)
 R01HL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
 ** R01HL-14667-02 Smoke inhalation injury-Etiology and protection (rats)
 ** R01HL-14692-03 Alpha 1 antitrypsin deficiency and pulmonary disease (human)
 R01HL-14735-02 Electromyography in the study of ventilatory control (dogs, human)
 P17HL-15092-03 0004 Occupational environmental pulmonary disease center - Pulmonary function industrial population unexposed to injurious inhalants
 ** P17HL-15092-03 0005 Occupational environmental pulmonary disease center - Respiratory and immunologic evaluation of isocyanate exposure
 ** P17HL-15098-03 0008 Special center of research-Environmental lung disease - Histo- and cytopathology of nasal and pharyngeal tissues (monkeys)
 M P01HL-15194-02 Pathophysiology of cardiopulmonary dysfunction
 P01HL-15194-02 0006 Pathophysiology of cardiopulmonary dysfunction - Influence of oxygenation, pH, diphosphoglycerate on carbon dioxide exchange
 P01HL-15194-02-0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-15614-02 Heredity and oxygen—Effects on health of heart-lungs (Chile)
R01HL-15659-01 Dynamic isolation studies of control of respiration (human, computer models)
R01HL-16218-01 Time delay acoustic spectroscopy in lung disease (human)
R01HL-16336-01 Compensatory pulmonary hypertrophy (rats)
- ** R01HL-16563-01 Quantitative phonopneumography in lung disease (human, animals)
R01HL-16628-01 Regulation of lipid metabolism (mammals)
R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- M P01HL-16748-01 Cellular and immunological bases of pulmonary diseases
** P01HL-16748-01 0002 Cellular and immunological bases of pulmonary diseases - Immunological function of alveolar macrophages (human, animals)
R01HL-16784-01 Lung tissue and water volume (human, dogs)
- ** R01HL-16990-05 Bronchopulmonary resistance to bacterial infection (human, mice)
** R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
** N01HR-12221-04 Alpha 1 antitrypsin deficiency and chronic respiratory disease (human)
N01HR-22941-02 Physiological study of cynomolgus monkeys
N01HR-22944-02 Host factors as determinants of chronic obstructive pulmonary disease (human)
** N01HR-22985-03 Respiratory diseases
** N01HR-32903-02 Pilot study to standardize the measurement of 'closing volume' (human)
** N01HR-32906-01 Population studies on respiratory diseases
N01HR-42912-00 Population studies on respiratory diseases
** N01HR-42913-00 Population studies on respiratory diseases
- ** P01HS-01053-03 0007 Automated health services - Evaluation of pulmonary function (human)
R01OH-00322-06 Health hazards of the di-isocyanates (human)
** R01OH-00369-02 Epidemiology of respiratory disease in firefighters
** M01RR-00046-14 0051 General clinical research center - Diagnosis of sarcoidosis, effects of corticosteroids on lung sarcoidosis (human)
M01RR-00047-14 0017 General clinical research center - Role of chloride in serum bicarbonate in hypercapnia (human)
** M01RR-00071-11 0040 General clinical research center - Diagnosis and therapy of industrial lung disease
** M01RR-00076-12 0024 General clinical research center - Cardiovascular studies in acute and chronic respiratory diseases (human)
** M01RR-00109-11 0035 General clinical research center - Pulmonary disease in a rural population
P06RR-00169-13 Operation of the National Center for Primate Biology
** M01RR-00334-08 0040 General clinical research center - Functional lung changes in cold urticaria (human)
** M01RR-00425-06 0072 General clinical research center - Evaluation of patients with eosinophilia and pulmonary disease
** M01RR-00633-02 0060 General clinical research center - Cardiopulmonary support in severe acute pulmonary disease (human)
- RESPIRATORY DISORDERS, ACIDOSIS, RESPIRATORY**
P01AM-17433-01 0001 Cardiovascular, metabolic aspects of membrane transport - ion transport across single nephrons (Necturus, Amphiuma, rats)
P01GM-19100-03 0032 Genetics research center - Molecular aspects of polymerization of hemoglobin S
R01HD-08124-01 Blood substitute and circulation (sheep)
P01HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
P01HL-10342-09 0013 Cardiovascular, pulmonary, and behavioral studies - Hypercapnia, serum phosphorus, and muscle performance (dogs, rats)
P17HL-14152-04 0002 Pulmonary specialized center of research - Effect of pulmonary ischemia on surface-active lipoprotein and RDS (lambs)
P17HL-14152-04 0006 Pulmonary specialized center of research - Lung adaptation and extracorporeal gas exchange (lambs)
R01HL-16925-01 Central chemical control of ventilation (dogs)
P01RS-10939-02 0006 Cerebral blood flow and metabolism in stroke and shock - Cerebral blood flow and metabolism in hypoxia and shock (dogs, monkeys)
** M01RR-00828-01 0041 General clinical research center - Body composition in respiratory failure (human)
- RESPIRATORY DISORDERS, ATELECTASIS**
** P01GM-14892-07 0007 The traumatized patient - Pulmonary function (human)
P01GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
** P01GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
R01HD-02459-08 Ultrastructural studies of the lung (rabbits)
R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
R01HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
P01HL-10342-09 0009 Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
P01HL-11414-07 0018 Thrombosis and atherosclerosis program - Pathogenesis of pulmonary infarction (dogs)
** P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
** P17HL-14201-04 0002 Pulmonary disease research center - Therapy of IRDS with continuous positive airway pressure (human, infants)
R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
R01HL-14854-02 Lung and tissue mechanics (mice, guinea pigs)
R01HL-16336-01 Compensatory pulmonary hypertrophy (rats)
M01RR-00133-10 0053 General clinical research center - Effect of post-operative peridural analgesia on pulmonary therapy (human)
- RESPIRATORY DISORDERS, BRONCHIAL DISORDERS (GENERAL)**
** R07AJ-10050-14 0003 International center for medical research - Infectious diseases and epidemiology (bacteria, fungi, human)
- RESPIRATORY DISORDERS, BRONCHIECTASIS**
P01HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
M01RR-00030-13 0028 General clinical research center - Ventilation of human lungs with liquid
- RESPIRATORY DISORDERS, BRONCHITIS ACUTE**
SEE ALSO VIRUSES, HERPESVIRUSES, AVIAN INFECTIOUS LARYNGOTRACHEITIS VIRUS
SEE ALSO VIRUSES, MYXOVIRUSES, PARAINFLUENZA 2 VIRUSES
** R01HD-06819-02 Infection and childhood obstructive airway disease
** P17HL-15061-03 0010 Response of lung to injury - An animal model system for the study of bronchiolitis and its sequelae (dogs)
** R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
P01HL-16748-01 0005 Cellular and immunological bases of pulmonary diseases - immunity in atopy, bronchiolitis and pulmonary sensitivity diseases (human)
R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
- RESPIRATORY DISORDERS, BRONCHITIS CHRONIC AND EMPHYSEMA**
SEE ALSO PSYCHOLOGY, HABITS, SMOKING
SEE ALSO RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
** R01AI-05100-12 Respiratory infection and respiratory pathogens of man
** R01AI-08106-06 Autonomic function in asthma (human, rats, mice)
P15AI-10386-04 Investigations in bronchial asthma (human)
** R01AI-11526-01 Chemotactic factor inactivator and pulmonary emphysema (human)
P01AM-08305-11 0004 Cystic fibrosis and pulmonary disease - Bacteriology and antibacterial defense mechanisms in CF (human)
** M01CP-43310-00 Respiratory impairment in beagles exposed to cigarette smoke
P10ES-00002-12 0003 Occupational and environmental health - Workers exposed to toluene diisocyanate
P10ES-00002-12 0004 Occupational and environmental health - Fire fighters
P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
P10ES-00159-09 0026 Center for study of the human environment - Lung perfusion model for steroid metabolism study (rats, rabbits)
P10ES-00260-12 0002 Research in the environmental health sciences - Respiratory disease aerosol physiology (human)
** R01ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
** P01ES-00734-03 Environmental quality—Effects on disease processes
M P01ES-00842-02 Chronic obstructive lung disease
** P01ES-00842-02 0001 Chronic obstructive lung disease - Ozone and nitrogen dioxide in experimental cold (rats)
- ** P01ES-00842-02 0002 Chronic obstructive lung disease - Ultrastructure and cytochemistry of nitrogen dioxide and ozone exposed rat lungs
** P01ES-00842-02 0005 Chronic obstructive lung disease - Vitamins E and A in pathogenesis of nitrogen dioxide induced lung disease (rats)
** P10ES-00928-01 0028 Environmental agents—Relation to human health effects - Microparticle lung burden in emphysema and bronchitis (human)
** P10ES-00928-01 0029 Environmental agents—Relation to human health effects - Inorganic microparticles in lungs of smokers and non-smokers
** R01GM-10797-09 0015 Pattern recognition in clinical medical laboratories - Lung sections for emphysema tests using electronic scanning and computer
P11GM-15956-07 0049 Factors affecting the responses to drugs - Blood levels of aminophylline and theophylline and airway resistance (human)
R01GM-19098-03 Genetic factors affecting protein-protein recognition (bacteria, human)
P01HD-05894-04 0017 Genetic childhood diseases and aging - Immunology of collagen in disease and aging (human, rats, whales)
** R01HL-02001-20 Cardiopulmonary physiology (human, dogs)
R01HL-04032-21 Regulation of respiration at rest and during exercise (human, dogs, sheep)
R01HL-05933-15 Applied pulmonary physiology (human)
P01HL-06285-14 0190 Cardiovascular-respiratory physiology and biochemistry - Physiological and pharmacological regulation of airway—Maximal flow (human, dog)
** P01HL-06285-14 0192 Cardiovascular-respiratory physiology and biochemistry - Biochemical defect in patients with emphysema and alpha-1-antitrypsin deficiency
P01HL-06296-14 0002 Human adaptation to environmental and exercise stress - Pulmonary blood volume flow and diffusing capacity (human, animals)
M P01HL-08195-12 Circulatory physiology
** P01HL-08195-12 0008 Circulatory physiology - Genetic pulmonary emphysema (human)
** P01HL-09814-09 0004 Research program - Cardiovascular and related disease - Chronic respiratory disease (human)
P01HL-09814-09 0011 Research program - Cardiovascular and related disease - Habitual physical activity, work capacity and exercise physiology (human)
** P01HL-09814-09 0023 Research program - Cardiovascular and related disease - Chronic respiratory symptoms and disease, ventilatory lung function (human)
** P01HL-09814-09 0037 Research program - Cardiovascular and related disease - New risk factors associated with chronic respiratory disease (human)
R01HL-10009-09 Pulmonary blood flow distribution in man
** P01HL-10342-09 0010 Cardiovascular, pulmonary, and behavioral studies - Pathology of intrapulmonary airways and chronic obstructive lung disease (dogs)
R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
R01HL-11325-07 Spatial electrocardiographic vector (human)
R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
R01HL-11688-07 Vascular factors in hemodynamic regulation (human)
R01HL-11978-06 Reflexes in regulation of respiration (cats)
R01HL-12011-07 Regional lung expansion (human)
** R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
** R01HL-12530-06 Emphysema—Respiratory function in disease (human, dogs)
** R01HL-12833-05 Genetic and environmental influences on lung disease (human)
** R01HL-13398-05 Alpha-1 antitrypsin deficiency in pulmonary emphysema (human)
** R01HL-13419-08 Correlation of pre- and postmortem function (human)
** R01HL-13645-07 Tryptophan-induced pulmonary emphysema (cattle, goats)
** R01HL-13667-08 Natural history of chronic bronchitis - emphysema (human)
** R01HL-13714-04 Respiratory control in patients with hypoventilation (human)
** R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
M R01HL-13885-04 Cystic fibrosis and pulmonary disease
** R01HL-13885-04 0001 Cystic fibrosis and pulmonary disease - Cardiovascular and pulmonary function (infants, children)
** R01HL-13885-04 0002 Cystic fibrosis and pulmonary disease - Evaluation of therapy (infants, children)
M P01HL-13979-04 Cardio-pulmonary-renal program
** P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
** P01HL-13979-04 0008 Cardio-pulmonary-renal program - Chronic obstructive pulmonary disease (dogs)
R01HL-14102-03 Physiology at 17,500 feet in mountain environment (human, rats)
M P17HL-14136-04 Obstructive lung diseases

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P17HL-14136-04 0001 Obstructive lung diseases - Abnormalities of mechanics in GOLD (human, dogs)
- ** P17HL-14136-04 0002 Obstructive lung diseases - Prognosis of chronic obstructive pulmonary emphysema (human)
- ** P17HL-14136-04 0003 Obstructive lung diseases - Acute pediatric respiratory disease and GOLD
- ** P17HL-14136-04 0004 Obstructive lung diseases - Pathophysiological correlations in GOLD (human)
- ** P17HL-14136-04 0005 Obstructive lung diseases - Dynamics of small airways in assessing GOLD
- ** P17HL-14136-04 0006 Obstructive lung diseases - Cardiovascular complications GOLD (human)
- ** P17HL-14136-04 0008 Obstructive lung diseases - Emphysema study (human)
- M P17HL-14152-04 Pulmonary specialized center of research
- P17HL-14152-04 0009 Pulmonary specialized center of research - Patterns of artificial ventilation (human, dogs)
- ** P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
- P17HL-14152-04 0014 Pulmonary specialized center of research - Length tension studies of alveolar walls (human, mammals)
- P17HL-14152-04 0015 Pulmonary specialized center of research - Sequence of lung emptying (human)
- P17HL-14152-04 0016 Pulmonary specialized center of research - Changes in lung elastin with age and disease (mice)
- ** P17HL-14152-04 0017 Pulmonary specialized center of research - Animal model of pulmonary obstructive disease (sheep)
- P17HL-14152-04 0018 Pulmonary specialized center of research - Lipoperoxidation and lung collagen and elastin (guinea pigs)
- ** P17HL-14152-04 0019 Pulmonary specialized center of research - Flow limiting segment in obstructive airway disease (human, dogs)
- ** P17HL-14152-04 0021 Pulmonary specialized center of research - Obstructive pulmonary syndromes (human)
- M P17HL-14153-04 Johns Hopkins Lung Center
- ** P17HL-14153-04 0001 Johns Hopkins Lung Center - Genetic and environmental factors in chronic pulmonary disease (human)
- ** P17HL-14153-04 0002 Johns Hopkins Lung Center - Alpha-1-antitrypsin and its electrophoretic variant in COPD (human)
- ** P17HL-14153-04 0003 Johns Hopkins Lung Center - Pulmonary function studies (human)
- ** P17HL-14153-04 0004 Johns Hopkins Lung Center - Lung macrophages in chronic inflammation (rabbits)
- M P17HL-14169-04 Pulmonary disease center
- ** P17HL-14169-04 0001 Pulmonary disease center - Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human)
- ** P17HL-14169-04 0003 Pulmonary disease center - Pulmonary function and structure in chronic obstructive lung disease (dogs)
- ** P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
- P17HL-14179-04 0004 Center for the study of lung disease - Mucus abnormality in cystic fibrosis (human, rats)
- ** P17HL-14179-04 0005 Center for the study of lung disease - Mechanisms of exercise tolerance in chronic obstructive lung diseases (human)
- P17HL-14179-04 0006 Center for the study of lung disease - Distribution of inspired gas in the lungs (human)
- ** P17HL-14179-04 0009 Center for the study of lung disease - Evaluation of therapy in chronic pulmonary diseases in children
- M P17HL-14187-04 Center for lung research
- ** P17HL-14187-04 0004 Center for lung research - Rehabilitation parameters in chronic pulmonary disease (human)
- ** P17HL-14187-04 0005 Center for lung research - Analysis of ventricular function in pulmonary disease (dogs)
- ** P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
- ** P17HL-14187-04 0013 Center for lung research - Limit to oxygen transport imposed by chronic obstructive lung disease (human)
- M P17HL-14201-04 Pulmonary disease research center
- ** P17HL-14201-04 0008 Pulmonary disease research center - Alpha-1-antitrypsin enzyme inhibitors in emphysema (human)
- ** P17HL-14201-04 0009 Pulmonary disease research center - Experimental pulmonary emphysema (rabbits)
- ** P17HL-14201-04 0010 Pulmonary disease research center - Repair and regeneration of alveolar walls after injury (cats)
- ** P17HL-14201-04 0014 Pulmonary disease research center - Early detection of emphysema (human, dogs)
- ** P17HL-14201-04 0015 Pulmonary disease research center - Timed expiratory chest films for the detection of COPD (human)
- ** P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
- ** P17HL-14201-04 0023 Pulmonary disease research center - Patients with COPD (also dogs)
- P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
- P17HL-14212-04 0004 Correlated studies of pulmonary disease - Chronic lung disease-Lung and sputum biochemistry (human)
- P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
- P17HL-14251-04 0007 Pathophysiology and management of respiratory insufficiency - Pulmonary circulation (dogs)
- ** R01HL-14262-03 Human leukocyte elastase in vascular and lung disease (mice, rabbit, dog, monkey)
- R01HL-14399-03 Lung collagen and elastin (guinea pigs)
- P01HL-14414-03 0003 Cardiopulmonary performance and environmental factors - Gas diffusion and alveolar gas exchange (dogs, human)
- P01HL-14414-03 0006 Cardiopulmonary performance and environmental factors - Factors influencing gas flow at depth (human)
- R01HL-14456-02 Lung metabolism-Enzymes in the pulmonary circulation (rats, dogs)
- ** R01HL-14479-06 Immunochemical aspects of normal and diseased lung (human, dogs, swine)
- ** R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- ** R01HL-14692-03 Alpha 1 antitrypsin deficiency and pulmonary disease (human)
- ** R01HL-14703-08 The role of infection in emphysema (human)
- R01HL-14759-03 Immunochemistry of lung collagen (human, guinea pigs)
- R01HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
- ** R01HL-14865-02 Biochemical studies on the pathogenesis of emphysema
- R01HL-15047-03 Digital computer analysis of the electrocardiogram
- P17HL-15061-03 0004 Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
- ** P17HL-15061-03 0010 Response of lung to injury - An animal model system for the study of bronchiolitis and its sequelae (dogs)
- ** P17HL-15063-03 0002 SCOR diffuse infiltrate lung disease - Asbestosis (human)
- ** P17HL-15063-03 0003 SCOR diffuse infiltrate lung disease - Radiologic studies of obstructive and interstitial lung disease (human)
- ** P17HL-15063-03 0005 SCOR diffuse infiltrate lung disease - Experimental pulmonary emphysema (rats, human)
- P17HL-15088-03 0011 Diffuse granulomatous and fibrotic pulmonary disease - Role of respiratory muscles in respiratory failure (human)
- ** R01HL-15140-01 Lysosomal proteases and chronic obstructive pulmonary disease
- P01HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
- R01HL-15309-02 Normal and variant human alpha 1-antitrypsin
- R01HL-15407-02 Physiological changes and lung metabolic functions (dogs)
- R01HL-15526-01 Respiratory mechanics in children
- R01HL-15614-02 Heridity and oxygen-Effects on health of heart-lungs (Chile)
- ** R01HL-15755-01 Experimental emphysema (dogs)
- ** R01HL-15832-02 0001 Chemical predispositions to lung injury - Chemical composition of lung connective tissue proteins (human)
- P01HL-15832-02 0004 Chemical predispositions to lung injury - Proteolytic activity leucocytes in patients with obstructive lung disease
- ** R01HL-15912-02 Pulmonary mechanics before and after resection of bullae (human)
- R01HL-15979-02 Elastase, serum inhibitors and the vasculature (human, swine)
- R01HL-16034-01 Optimal estimation of lung distribution functions (human)
- M P01HL-16118-01 Mechanisms in the remodeling of lung structure
- ** P01HL-16118-01 0004 Mechanisms in the remodeling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)
- ** P01HL-16118-01 0005 Mechanisms in the remodeling of lung structure - Mechanisms of elastase emphysema (hamsters)
- R01HL-16217-01 O2 dissociation curve and erythropoietin production (human, rats, mice)
- R01HL-16218-01 Time delay acoustic spectroscopy in lung disease (human)
- ** R01HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
- R01HL-16476-01 Experimental lung transplantation (dogs, fozes)
- R01HL-16542-01 Early obstructive lung disease-Mechanics, morphometry (human autopsy)
- ** R01HL-16586-01 Automation of dynamic lung resistance measurement (human)
- ** R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- ** R01HL-16713-01 Emphysema, bronchitis, alveolar enzymes and inhibitors (human)
- ** R01HL-16726-01 Resistance and impedance of the respiratory system (human, dogs)
- R13HL-16740-01 Conference on scientific basis of respiratory therapy (Pennsylvania)
- P01HL-16748-01 0003 Cellular and immunological bases of pulmonary diseases - Alveolar macrophages and opportunistic microorganisms (human, guinea pigs)
- ** R01HL-16787-01 Inborn alpha 1-antitrypsin levels and pulmonary disease resistance (mice)
- ** R01HL-16880-01 Alpha 1 antitrypsin pulmonary function and chemical structure (human)
- ** R01HL-16991-05 Immune reaction to infectious agents in bronchitis (human)
- ** R23HL-17121-01 Antipain and its relation to experimental emphysema (mammals)
- ** R23HL-17187-01 The role of elastolysis in emphysema (hamsters)
- R01HL-17711-01 Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs)
- N01HR-12221-04 Alpha 1 antitrypsin deficiency and chronic respiratory disease (human)
- ** N01HR-22942-04 Risk factors in chronic obstructive pulmonary disease
- ** N01HR-22943-03 Conduct studies investigating some of the immune mechanisms in chronic bronchitis
- N01HR-32900-02 Pilot study to standardize the measurement of 'closing volume' (human)
- ** N01HR-32901-02 Smoking and other pollutants in chronic airways obstructions (human)
- N01HR-32902-01 Pilot study to standardize the measurement of 'closing volume' (human)
- ** N01HR-42912-00 Population studies on respiratory diseases
- N01HR-42913-00 Population studies on respiratory diseases
- N01HR-42967-00 Alpha-1-antitrypsin reference laboratory (human)
- ** P16HS-00472-06 0027 Health services research center - Chronic respiratory disease studies (human)
- R01MH-25280-01 Early life stress, risk factors and chronic disease
- R01OH-00334-05 Air pollution and lung clearance of particles
- R01OH-00337-05 Mechanisms of cadmium toxicity (rats)
- ** R01OH-00357-03 Fate of inhaled coal dust (rabbits, rats)
- ** R01OH-00396-02 Aerosol deposition in human subjects
- ** R01OH-00511-02 Byssinosis (human, rabbits, guinea pigs, hamsters)
- ** M01RR-00036-14 0066 General clinical research center - Pulmonary emphysema with alpha-antitrypsin deficiency (human)
- ** M01RR-00044-14 0084 General clinical research center - Antitrypsin deficiency in nonfamilial emphysema (human)
- ** M01RR-00064-10 0020 General clinical research center - Role of infection in emphysema (human)
- ** M01RR-00076-12 0089 General clinical research center - Health effects of exposure to automobile exhaust (human)
- M01RR-00076-12 0090 General clinical research center - Case control study of laryngeal cancer (human)
- ** M01RR-00080-12 0090 General clinical research center - Aspects of bronchiolitis (human)
- ** M01RR-00096-14 0026 Clinical research center - Hypercapnic states in chronic pulmonary disease (human)
- ** M01RR-00633-02 0022 General clinical research center - Left ventricle function in chronic lung disease (human)
- ** M01RR-00645-03 0022 Clinical research center - Obstructive lung disease associated with alpha anti-trypsin deficiency (human)
- ** M01RR-00645-03 0057 Clinical research center - Effects of terbutaline in chronic obstructive lung disease (human)
- ** M01RR-00722-02 0023 General Clinical Research Center - Genetic and other factors in chronic obstructive pulmonary disease (human)
- ** M01RR-00833-01 0005 General clinical research center - Obstructive lung disease with depressed antitrypsin levels (human)
- RESPIRATORY DISORDERS, BRONCHOSPASM**
- P02AM-05577-13 0001 Clinical research unit in rheumatic diseases - Humoral factors in inflammation (human, mammals)
- P02AM-05577-13 0010 Clinical research unit in rheumatic diseases - Chemical mediators in acute inflammatory states (rabbits)
- ** R01HL-16074-01 Exercise-induced bronchospasm (children)
- RESPIRATORY DISORDERS, BYSSINOSIS**
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- ** R01OH-00460-01 Byssinosis and small airways disease
- ** R01OH-00511-02 Byssinosis (human, rabbits, guinea pigs, hamsters)
- M01RR-00071-11 0040 General clinical research center - Diagnosis and therapy of industrial lung disease
- RESPIRATORY DISORDERS, DYSPNEA**
- R01HL-02001-20 Cardiopulmonary physiology (human, dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
 P17HL-14136-04 0001 Obstructive lung diseases - Abnormalities of mechanics in GOLD (human, dogs)
- ** P17HL-15088-03 0011 Diffuse granulomatous and fibrotic pulmonary disease - Role of respiratory muscles in respiratory failure (human)
- ** R01HL-16942-01 Hypertrophism and lung structure and function (rats, rabbits)
- RESPIRATORY DISORDERS, LARYNGOTRACHEITIS**
 SEE ALSO VIRUSES, HERPESVIRUSES, AVIAN INFECTIOUS LARYNGOTRACHEITIS VIRUS
 SEE ALSO VIRUSES, MYXOVIRUSES, PARAINFLUENZA 2 VIRUSES
- R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
- RESPIRATORY DISORDERS, LARYNX DISORDERS (GENERAL)**
- ** R01HD-08511-01 Maturation of larynx in relation to infant death (human, dogs, animals)
 R01NS-08584-05 Larynx-tracheal replacement
 R01NS-08728-05 Neuromuscular mechanisms of larynx (monkeys)
- ** R01NS-11495-01 Mechanics and vibrations of pathological vocal folds (human)
- ** R01NS-11790-01 Vibrational pattern of the pathologic larynx (human)
- RESPIRATORY DISORDERS, LUNG DISORDERS (GENERAL)**
 SEE ALSO ACTINOMYCETALES INFECTIONS, TUBERCULOSIS
 SEE ALSO DISEASES, SYNDROMES NOT LISTED ELSEWHERE, GOODPASTURE'S SYNDROME
 SEE ALSO HYPERSENSITIVITY, RESPIRATORY HYPERSENSITIVITY, ASTHMA
 SEE ALSO IRON DISORDERS AND IMBALANCES, SIDEROSIS
 SEE ALSO MYCOSES, COCCIDIODIOMYCOSIS
 SEE ALSO MYCOSES, HISTOPLASMOYOSIS
 SEE ALSO PARASITIC DISEASES, HELMINTH INFECTIONS, ECHINOCOCCOSIS
 SEE ALSO RESPIRATORY CIRCULATORY DISORDERS
- M P01AL-11759-01 Clinical and laboratory studies relating to lung disease
- ** R01AM-00918-19 Renal, vascular and pulmonary structure in disease (human, rats)
 R01AM-05821-12 Chemistry of maturation of collagen (rats)
- M P01AM-08305-11 Cystic fibrosis and pulmonary disease
 P01AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- R01AM-09333-17 Free radical lipid peroxidation damage (human, rodents, birds)
- P10ES-00002-12 0004 Occupational and environmental health - Fire fighters
- ** P10ES-00002-12 0010 Occupational and environmental health - Inhalation toxicology (rats)
- P10ES-00159-09 0012 Center for study of the human environment - Trace metal requirements for connective tissue synthesis in cell culture
- ** P10ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
- P10ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
- ** R01ES-00353-07 Pathogenesis of pulmonary berylliosis (guinea pigs)
- P01ES-00454-06 0013 Biological effects of environmental agents - Cytochrome P450 binding compounds and oxygen transfer (sheep)
- R01ES-00645-03 Toxicant action of ozone in mammalian tissues (rats)
- ** R01ES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
- ** R01ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
- M P10ES-00928-01 Environmental agents-Relation to human health effects
- ** P10ES-00928-01 0039 Environmental agents-Relation to human health effects - Pulmonary disease associated with welding fumes (human)
- ** P10ES-00928-01 0041 Environmental agents-Relation to human health effects - Pulmonary disease contributing to death of other causes (human)
- R01GM-10797-09 0006 Pattern recognition in clinical medical laboratories - Lung X-rays
- P01GM-15991-06 0048 Anesthesia research center - Pulmonary oxygen toxicity (monkeys, dogs, rats)
- R01GM-16712-06 Radioisotope data processing and display
- P01GM-19489-03 0019 Study of human genetics - Genetic linkage of Pi system (alpha-1-antitrypsin)
- R01GM-21367-01 Materials and components for miniature fiberoptic (human, dogs)
- ** R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
- ** P01HD-03015-08 0028 Program for developmental biology - Pulmonary oxygen toxicity (rabbits)
- M R01HL-01782-19 Cardiovascular and pulmonary problems
- ** R01HL-01782-19 0002 Cardiovascular and pulmonary problems - Shock and the lung (human)
- R01HL-05933-15 Applied pulmonary physiology (human)
- P01HL-06308-14 0015 Mechanisms and therapy of obstructive disease - Pulmonary circulation (dogs, rats)
- ** P01HL-08805-10 0021 Cardiovascular and pulmonary performance - Chemical regulation of ventilation in patients with respiratory insufficiency
- P01HL-10342-09 0009 Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
- ** R01HL-12650-06 Environmental pathobiology of the lung (rodents)
- P01HL-13330-05 0044 Mechanical circulatory support - Mechanical circulatory assistance (dogs)
- R01HL-13667-08 Natural history of chronic bronchitis - emphysema (human)
- M R01HL-13885-04 Cystic fibrosis and pulmonary disease
 R01HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
- M P17HL-14136-04 Obstructive lung diseases
 P17HL-14147-04 0009 Specialized center of research in thrombosis - Disseminated intravascular coagulation in gram negative sepsis (human)
- M P17HL-14152-04 Pulmonary specialized center of research
 M P17HL-14153-04 Johns Hopkins Lung Center
 ** P17HL-14153-04 0009 Johns Hopkins Lung Center - Correlation of pulmonary and cardiac abnormalities in autopsies (human)
- M P17HL-14169-04 Pulmonary disease center
 ** P17HL-14169-04 0008 Pulmonary disease center - Pulmonary pathology (human)
- ** P17HL-14169-04 0009 Pulmonary disease center - Pulmonary immunology and immunopathology (rats, rabbits)
- M P17HL-14179-04 Center for the study of lung disease
 P17HL-14179-04 0015 Center for the study of lung disease - Macrophages and phagocytosis-Drugs and lung disease (human)
- ** P17HL-14179-04 0020 Center for the study of lung disease - Mechanisms of oxidant lung injury-Effects of lipid peroxides (mammals)
- M P17HL-14187-04 Center for lung research
 ** P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
- P17HL-14187-04 0014 Center for lung research - Vasoactive agents and proteolytic enzymes in the lung (human, mammals)
- M P17HL-14201-04 Pulmonary disease research center
 ** P17HL-14201-04 0003 Pulmonary disease research center - Factors influencing pulmonary blood flow in infants (human)
- P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
- M P17HL-14212-04 Correlated studies of pulmonary disease
 P17HL-14212-04 0007 Correlated studies of pulmonary disease - Protein biosynthesis in alveolar macrophages (rabbits, guinea pigs, human)
- M P17HL-14214-04 Neonatal lung center
 M P17HL-14218-04 Newborn lung center
 P01HL-14322-03 0011 Interdisciplinary program in biomaterials science - Blood oxygenation synthetic membranes and liquid-liquid surfaces (sheep)
- P01HL-14414-03 0005 Cardiorespiratory performance and environmental factors - Estimation of ventilation-perfusion maldistribution (human)
- P01HL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
- ** R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- P01HL-14580-03 0005 Program project in respiratory mechanics - Development and evaluation of tests of pulmonary function (human)
- R01HL-14982-02 Mechanism of renin release and angiotensin metabolism (human, dogs)
- P01HL-15037-03 0002 Mechanisms of cardiopulmonary dysfunction in shock - Peripheral vascular hypoperfusion in precipitating cardiac dysfunction
- M P17HL-15061-03 Response of lung to injury
 ** P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
- ** P17HL-15061-03 0004 Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
- ** P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
- ** P17HL-15061-03 0011 Response of lung to injury - Lung epithelium cell death, proliferation and differentiation after injury (mice)
- ** P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
- M P17HL-15063-03 SCOR diffuse infiltrative lung disease
 P17HL-15088-03 0010 Diffuse granulomatous and fibrotic pulmonary disease - Regulation of pulmonary angiotensin-converting enzyme (human, rabbits)
- ** P17HL-15088-03 0011 Diffuse granulomatous and fibrotic pulmonary disease - Role of respiratory muscles in respiratory failure (human)
- M P17HL-15092-03 Occupational environmental pulmonary disease center
 M P17HL-15098-03 Special center of research-Environmental lung disease
 ** P17HL-15098-03 0001 Special center of research-Environmental lung disease - Sulfhydryl bond alteration (monkeys)
 ** P17HL-15098-03 0002 Special center of research-Environmental lung disease - Enzyme activity alteration (monkeys)
 ** P17HL-15098-03 0003 Special center of research-Environmental lung disease - Cell division alterations (human, primates)
 ** P17HL-15098-03 0004 Special center of research-Environmental lung disease - NO-2 and O-3 effects on cell division in bronchioles and alveoli (monkeys)
 ** P17HL-15098-03 0006 Special center of research-Environmental lung disease - Histo- and cytopathology of lung tissue (monkeys)
 ** P17HL-15098-03 0007 Special center of research-Environmental lung disease - Ultrastructure studies (monkeys)
- ** P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
- ** R01HL-15211-02 Immunologic aspects of beryllium lung disease (human, rats, guinea pigs)
- M P17HL-15389-03 Wisconsin Pulmonary Disease Research Center
 ** P17HL-15389-03 0006 Wisconsin Pulmonary Disease Research Center - Other environmental pulmonary diseases (human, mammals)
- ** R01HL-15432-02 Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs)
 R01HL-15737-02 The nature and treatment of endotoxic shock (sheep)
- M P01HL-15832-02 Chemical predispositions to lung injury
 ** P01HL-15832-02 0001 Chemical predispositions to lung injury - Chemical composition of lung connective tissue proteins (human)
 P01HL-15832-02 0003 Chemical predispositions to lung injury - Change of connective tissue structure of lung with proteolytic enzymes (rat, dog)
 P01HL-15832-02 0004 Chemical predispositions to lung injury - Proteolytic activity leucocytes in patients with obstructive lung disease
 P01HL-15832-02 0006 Chemical predispositions to lung injury - Elastin and collagen in lung (human, mammals)
 P01HL-15832-02 0007 Chemical predispositions to lung injury - Inactivation of vasoactive agents by the lung (human, rat, cat, dog, guinea pig)
 R01HL-15877-01 Recovery of lung function following oxygen poisoning (dogs)
- ** R01HL-16264-01 Role of inflammatory hormones in chronic lung disease
 R01HL-16327-01 Immunologic mechanism of pulmonary cavitation (rhesus monkeys)
 R01HL-16528-01 Lactate metabolism in the lung (rats)
- M P01HL-16748-01 Cellular and immunological bases of pulmonary diseases
 ** P01HL-16748-01 0001 Cellular and immunological bases of pulmonary diseases - Mechanisms of alveolar macrophage function and dysfunction (human, rabbits)
 ** P01HL-16748-01 0004 Cellular and immunological bases of pulmonary diseases - Maturation cellular and immunology in pulmonary defense systems (rabbits)
 P01HL-16748-01 0007 Cellular and immunological bases of pulmonary diseases - Medicine/pediatrics clinical core
 ** R01HL-16758-01 Lung O2 toxicity-Metabolism, pathology and recovery
 M P01HL-16769-01 Pathobiologic and host defense reactions in the lung
 R23HL-17132-01 Quantitative human alveolar macrophage function (human)
 R01HL-17691-01 Modification of lung immune responses (guinea pigs)
- ** R18HS-01195-03 0002 Computer based consultation in care of critically ill - Automated cardiovascular pulmonary evaluation
 R01OH-00352-05 Lung cell function in health and disease (human, rabbits)
 R01OH-00360-04 Immune injury in occupational respiratory diseases (rabbits, mice)
 R01OH-00387-03 Accelerated silicosis in sandblasters (human)
 R01OH-00460-01 Byssinosis and small airways disease
 M01RR-00030-13 0028 General clinical research center - Ventilation of human lungs with liquid
 ** M01RR-00034-14 0073 General clinical research center - Cardiac function in chronic lung disease (human)
 ** M01RR-00040-14 0019 General clinical research center - Bronchopulmonary lavage (human)
 ** M01RR-00049-13 0033 General clinical research center - Serum lipoproteins in atopic children with pulmonary and gastrointestinal diseases
 M01RR-00050-13 0055 Wilson's disease - Aerosolized trypsin in pulmonary proteinosis (human)

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**Oriented significantly to above subject.

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- M01RR-00080-12 0091 General clinical research center - Immunohistochemical test for immediate allergen hypersensitivity (human)
- ** M01RR-00096-14 0026 Clinical research center - Hypercapnic states in chronic pulmonary disease (human)
- M01RR-00123-11 0012 General clinical research center - Children - Subcutaneous and pulmonary lymphangiectasia
- M01RR-00133-10 0053 General clinical research center - Effect of post-operative peridural analgesia on pulmonary therapy (human)
- ** M01RR-00425-06 0005 General clinical research center - Secretion and removal of pulmonary surfactant in alveolar proteinosis (human)
- ** M01RR-00633-02 0033 General clinical research center - Factors affecting exercise in pulmonary disease (human)
- ** M01RR-00722-02 0024 General Clinical Research Center - Corticosteroids and immunosuppressive agents in pulmonary sarcoidosis (human)
- RESPIRATORY DISORDERS, PNEUMOCONIOSIS**
SEE ALSO IRON DISORDERS AND IMBALANCES, SIDEROSIS
- R01AI-05754-11 Mechanism of immediate and delayed sensitivity (human, rabbits, rodents)
- R01AM-00918-19 Renal, vascular and pulmonary structure in disease (human, rats)
- ** R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- R01AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- P01CA-13343-02 0019 Environmental cancer - Environmental and cancer epidemiology (human)
- P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
- P10ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
- P10ES-00260-12 0002 Research in the environmental health sciences - Respiratory disease aerosol physiology (human)
- ** P10ES-00928-01 0003 Environmental agents-Relation to human health effects - Silica exposure with alkalies and acids-Abrasive soap pneumoconiosis (human)
- R01GM-10797-09 0006 Pattern recognition in clinical medical laboratories - Lung X-rays
- ** R01HL-05933-15 Applied pulmonary physiology (human)
- ** R01HL-11688-07 Vascular factors in hemodynamic regulation (human)
- R01HL-12650-06 Environmental pathobiology of the lung (rodents)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- ** P17HL-15063-03 0002 SCOR diffuse infiltrate ve lung disease - Asbestosis (human)
- ** P17HL-15063-03 0004 SCOR diffuse infiltrate ve lung disease - Computers in respiratory disease (human)
- ** P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
- ** P17HL-15092-03 0002 Occupational environmental pulmonary disease center - Accelerated silicosis in sandblasters
- ** R01HL-15185-02 Progressing fibrosis of lungs (guinea pigs)
- R01NS-06856-08 Storage disease-Intracellular transport and digestion (human, animals, plants)
- ** R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- R01OH-00306-14 Farmers lung-An experimental investigation (human, guinea pigs)
- R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
- R01OH-00355-03 Interaction of coal dust with essential metals (rats)
- ** R01OH-00356-03 Cellular response to coal mine dust in vitro (human)
- ** R01OH-00357-03 Fate of inhaled coal dust (rabbits, rats)
- ** R01OH-00360-04 Immune injury in occupational respiratory diseases (rabbits, mice)
- ** R01OH-00387-03 Accelerated silicosis in sandblasters (human)
- ** R01OH-00396-02 Aerosol deposition in human subjects
- M01RR-00071-11 0040 General clinical research center - Diagnosis and therapy of industrial lung disease
- ** M01RR-00722-02 0023 General Clinical Research Center - Genetic and other factors in chronic obstructive pulmonary disease (human)
- RESPIRATORY DISORDERS, PNEUMONIA**
- N01AI-42541-00 Operation of pneumococcal polysaccharide reference laboratory
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- P02AM-13083-06 0103 Organ transplantation - Clinical studies of complications in renal transplantation
- ** P02CA-08480-09 0020 Childhood cancer research center - Etiologic agents of pneumonitis in leukemia patients
- R01HD-06819-02 Infection and childhood obstructive airway disease
- R01HL-05933-15 Applied pulmonary physiology (human)
- P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
- M P01HL-16769-01 Pathobiologic and host defense reactions in the lung
- R01OH-00347-04 Biological interactions of environmental metals (dogs)
- ** M01RR-00058-13 0010 General clinical research center - Hypersensitivity pneumonitis (human)
- ** M01RR-00081-12 0031 General clinical research center, premature infants - Pulmonary disease in neonates
- RESPIRATORY DISORDERS, PNEUMONIA**
ASPIRATION
- P01GM-21797-01 0007 The traumatized patient - Pulmonary function (human, dogs)
- ** R01HL-15779-01 Aspiration pneumonia-Pathophysiology and treatment (dogs)
- RESPIRATORY DISORDERS, PNEUMONIA**
BACTERIAL
- SEE ALSO BACTERIA, ENTEROBACTERIACEAE, KLEBSIELLA PNEUMONIAE*
- SEE ALSO BACTERIA, LACTOBACILLACEAE, DIPLOCOCCUS PNEUMONIAE*
- SEE ALSO BACTERIA, MYCOPLASMATALES, MYCOPLASMA PNEUMONIAE*
- R01AI-05100-12 Respiratory infection and respiratory pathogens of man
- R01AI-07826-06 Studies on in vivo growth of staphylococci (mice, rabbits)
- ** R07AI-10050-14 0003 International center for medical research - Infectious diseases and epidemiology (bacteria, fungi, human)
- ** M01AI-22513-03 Efficacy of dodecavalent pneumococcal vaccine
- P02CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
- P02CA-08480-09 0020 Childhood cancer research center - Etiologic agents of pneumonitis in leukemia patients
- P02CA-08480-09 0024 Childhood cancer research center - Cardiovascular and pulmonary problems with sepsis and pneumonia (children)
- P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
- P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
- ** P01HL-16769-01 0004 Pathobiologic and host defense reactions in the lung - Pathogenesis of Pseudomonas and Serratia pneumonias (human, rabbits)
- M01RR-00062-12 0005 Clinical research center, children - Pharmacologic studies
- ** M01RR-00076-12 0052 General clinical research center - Viral antecedents of pneumococcal pneumonia (human)
- M01RR-00081-12 0031 General clinical research center, premature infants - Pulmonary disease in neonates
- RESPIRATORY DISORDERS, PNEUMONIA**
MYCOPLASMAL (PLO)
- SEE ALSO BACTERIA, MYCOPLASMATALES, MYCOPLASMA PNEUMONIAE*
- N01AI-42512-00 Testing of M pneumoniae vaccine (human)
- RESPIRATORY DISORDERS, PNEUMONIA**
PNEUMOCYSTIS
- P02CA-07357-10 0018 Special children's cancer center program - Microflora in leukemic and immunodeficient patients and laboratory animals
- P02CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
- ** P02CA-08480-09 0020 Childhood cancer research center - Etiologic agents of pneumonitis in leukemia patients
- P02CA-08480-09 0024 Childhood cancer research center - Cardiovascular and pulmonary problems with sepsis and pneumonia (children)
- RESPIRATORY DISORDERS, PNEUMONIA VIRAL**
- SEE ALSO VIRUSES, HERPESVIRUSES, EQUINE RHINOPNEUMONITIS VIRUS
- SEE ALSO VIRUSES, MYXOVIRUSES, PARAMYXOVIRUS 1 VIRUSES
- P02CA-08480-09 0016 Childhood cancer research center - Cardiopulmonary dynamics in leukemia and severe infection (children)
- P02CA-08480-09 0024 Childhood cancer research center - Cardiovascular and pulmonary problems with sepsis and pneumonia (children)
- P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- P17HL-14212-04 0003 Correlated studies of pulmonary disease - Pathology and pathogenesis of pulmonary fibrosis (human,rats)
- R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
- ** M01RR-00068-12 0050 General clinical research center - Keratoconjunctivitis sicca and necrotizing interstitial pneumonia (human)
- ** M01RR-00076-12 0052 General clinical research center - Viral antecedents of pneumococcal pneumonia (human)
- M01RR-00081-12 0031 General clinical research center, premature infants - Pulmonary disease in neonates
- RESPIRATORY DISORDERS, PNEUMONITIS**
ALLERGIC INTERSTITIAL
- R01AI-10334-04 Nephritis immunopathology and renal transplants (human, rodents, sheep, monkeys)
- ** P01AI-11759-01 0002 Clinical and laboratory studies relating to lung disease - Radioimmunoassay as diagnostic aid in hypersensitivity lung disease (human)
- ** P01AI-11759-01 0004 Clinical and laboratory studies relating to lung disease - Alveolar macrophages in hypersensitivity reactions of the lung (dogs)
- P01AI-11759-01 0007 Clinical and laboratory studies relating to lung disease - Immune response of the lung (monkeys, dogs)
- P01AI-11759-01 0008 Clinical and laboratory studies relating to lung disease - Animal models of hypersensitivity lung disease (monkeys, dogs)
- P10ES-00002-12 0003 Occupational and environmental health - Workers exposed to toluene diisocyanate
- RESPIRATORY DISORDERS, PNEUMONITIS**
ALLERGIC INTERSTITIAL, FARMER'S LUNG
- P15AI-11403-02 0003 Allergic diseases center grant - Radioimmunoassay in diagnosis of hypersensitivity lung disease (human)
- P01AI-11759-01 0002 Clinical and laboratory studies relating to lung disease - Radioimmunoassay as diagnostic aid in hypersensitivity lung disease (human)
- P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
- P17HL-14212-04 0005 Correlated studies of pulmonary disease - Immunology and microbiology of diffuse idiopathic fibrosis (human)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- ** P17HL-15389-03 0001 Wisconsin Pulmonary Disease Research Center - Patients known to have hypersensitivity pneumonitis
- ** P17HL-15389-03 0002 Wisconsin Pulmonary Disease Research Center - Patients suspected to have hypersensitivity pneumonitis
- ** P17HL-15389-03 0003 Wisconsin Pulmonary Disease Research Center - Epidemiology of hypersensitivity pneumonitis (human, bacteria)
- ** R01OH-00306-14 Farmers lung-An experimental investigation (human, guinea pigs)
- RESPIRATORY DISORDERS, PULMONARY**
ALVEOLAR PROTEINOSIS
- ** P01GM-16492-06 0018 Design of chemotherapeutic agents - Mass spectrometry-Phospholipids in pulmonary alveolar proteinosis
- ** R01HL-16753-01 Pathogenetic mechanisms of pulmonary alveolar proteinosis (human, rats)
- M01RR-00030-13 0028 General clinical research center - Ventilation of human lungs with liquid
- RESPIRATORY DISORDERS, PULMONARY EDEMA**
- P02AM-13083-06 0103 Organ transplantation - Clinical studies of complications in renal transplantation
- R01ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
- R01ES-00569-09 Fungus toxins and moldy food diseases (rats)
- ** P01ES-00628-04 0003 Pulmonary effects of environmental oxidant pollutants - Morphology of lungs exposed to oxidant pollutants (rats, monkeys)
- P01GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
- P01GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- ** P01GM-15991-06 0007 Anesthesia research center - Tidal volumes in acute pulmonary edema (dogs)
- P01GM-15991-06 0048 Anesthesia research center - Pulmonary oxygen toxicity (monkeys, dogs, rats)
- ** P01GM-15991-06 0054 Anesthesia research center - Oxygen tensions in development of edema in isolated perfused dog lungs
- ** P01GM-15991-06 0073 Anesthesia research center - Effects of ventilatory pattern on ventilation-perfusion in pulmonary edema (dogs)
- P01GM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange
- P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
- P01GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
- P01GM-21797-01 0007 The traumatized patient - Pulmonary function (human, dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HD-02704-08 Lung edema, immaturity and hyaline membrane disease (dogs, rabbits, sheep)
 ** R01HD-04050-04 Effect of asphyxia on fetal lung fluid (lambs)
 P01HL-06285-14 0145 Cardiovascular-respiratory physiology and biochemistry - Pulmonary, pleural and systemic microcirculation (animals)
 ** P01HL-06285-14 0146 Cardiovascular-respiratory physiology and biochemistry - Pathogenesis and detection of hypoxic pulmonary edema (human, animals)
 ** P01HL-06308-14 0015 Mechanisms and therapy of circulatory disease - Pulmonary circulation (dogs, rats)
 P01HL-06664-13 0025 Cardiopulmonary function in remediable vascular disease - Pulmonary blood flow, ventilation and lung function (human)
 ** P01HL-06664-13 0026 Cardiopulmonary function in remediable vascular disease - Plasma oncotic pressure in the treatment of pulmonary edema (human)
 P01HL-07299-13 0073 Hypertension, shock and circulatory failure - Influence of blood pressure upon function of ischemic ventricle (human, dogs)
 M P01HL-08195-12 Circulatory physiology
 ** P01HL-08195-12 0006 Circulatory physiology - Mechanism of pulmonary edema following endotoxemia (dogs)
 ** P01HL-08805-10 0025 Cardiovascular and pulmonary performance - Pulmonary edema (dogs)
 ** P01HL-08805-10 0026 Cardiovascular and pulmonary performance - Hypoxic pulmonary edema (rodents)
 ** P01HL-10342-09 0008 Cardiovascular, pulmonary, and behavioral studies - Respiratory mechanics and pulmonary edema (human, dogs)
 R01HL-11477-07 Transport across the alveolar capillary membrane (dogs, sheep)
 ** P01HL-11678-07 0036 Cardiovascular dynamics and their control - Pulmonary capillary dynamics and edema (animals)
 R01HL-12638-06 Vascular resistances in pulmonary circulation (human, dogs)
 ** R01HL-12679-06 Hemodynamics of edema at high altitude lung (dogs)
 R01HL-12879-05 Pulmonary transport and metabolism in vivo (dogs, human)
 R01HL-12974-05 Tracer kinetics, flows and masses in body organs (human, dogs)
 ** R01HL-13596-04 The absorption of protein from alveoli (dogs)
 ** P01HL-13738-03 0001 Cardiac assist devices and artificial hearts - Cardiac assist devices (human, sheep)
 R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
 P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
 R01HL-14102-03 Physiology at 17,500 feet in mountain environment (human, rats)
 P17HL-14152-04 0009 Pulmonary specialized center of research - Patterns of artificial ventilation (human, dogs)
 P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
 P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
 M P17HL-14201-04 Pulmonary disease research center
 ** P17HL-14201-04 0019 Pulmonary disease research center - Quantitative studies on pulmonary edema (human, dogs, sheep)
 ** P17HL-14201-04 0020 Pulmonary disease research center - Pulmonary edema measurement with focused electrical impedance bridge (human)
 ** P17HL-14201-04 0023 Pulmonary disease research center - Patients with COPD (also dogs)
 R01HL-14436-03 Pulmonary oxygen toxicity (human, rabbits)
 R01HL-15432-02 Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs)
 ** R01HL-16256-01 Respiratory mechanics in hemodynamics pulmonary edema (dogs)
 ** R01HL-16394-01 Estrogens and the fluid retention of heart failure (human, dogs)
 R01HL-16616-01 Physiology of perfusion hypothermia in newborn (human, lambs, dogs, monkeys)
 ** R01HL-16623-01 Capillary permeability in the lung (dogs)
 R01HL-16714-01 Endothelial cell communication in homeostasis (human, mammals, sharks)
 ** R01HL-16784-01 Lung tissue and water volume (human, dogs)
 ** R01HL-16812-01 Respiratory distress syndrome and pulmonary edema (animals)
 ** R01HL-16864-01 Change in alveolar permeability in pulmonary edema (dogs)
 ** R23HL-17111-01 Effect of PEEP on formation of pulmonary edema (dogs)
 R23HL-17115-01 Mast cell function in cor pulmonale and lung edemas (cats, guinea pigs, human)
 ** R23HL-17186-01 Catecholamines in neurogenic pulmonary edema (dog)
 M01HR-42917-01 Extracorporeal support for respiratory insufficiency (human)
 M P01NS-07253-06 Center for clinical studies of head injuries

RESPIRATORY DISORDERS, PULMONARY FIBROSIS AND GRANULOMAS

- SEE ALSO CONNECTIVE TISSUE DISORDERS, WEGENER'S GRANULOMATOSIS
 SEE ALSO METALS POISONING, BERYLLOSIS
 SEE ALSO RESPIRATORY DISORDERS, PNEUMOCOCCOSIS
 SEE ALSO RESPIRATORY DISORDERS, PNEUMONITIS ALLERGIC INTERSTITIAL
 ** R22AI-02631-16 Schistosomiasis and granuloma formation (mice, rabbits, chimpanzee)
 R01AI-05754-11 Mechanism of immediate and delayed sensitivity (human, rabbits, rodents)
 ** R01AM-15118-04 Gamma globulins in health and disease (human, rabbits, mice, guinea pigs)
 ** R01CA-14701-01 Effect of age on radiation-induced pulmonary fibrosis (rats)
 P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
 R01ES-00926-01 Toxicology of paraquat (rats)
 ** R01HL-02001-20 Cardiopulmonary physiology (human, dogs)
 R01HL-05933-15 Applied pulmonary physiology (human)
 R01HL-11688-07 Vascular factors in hemodynamic regulation (human)
 R01HL-12650-06 Environmental pathobiology of the lung (rodents)
 ** P17HL-14212-04 0001 Correlated studies of pulmonary disease - Clinical studies
 ** P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
 ** P17HL-14212-04 0003 Correlated studies of pulmonary disease - Pathology and pathogenesis of pulmonary fibrosis (human, rats)
 ** P17HL-14212-04 0004 Correlated studies of pulmonary disease - Chronic lung disease-Lung and sputum biochemistry (human)
 ** P17HL-14212-04 0005 Correlated studies of pulmonary disease - Immunology and microbiology of diffuse idiopathic fibrosis (human)
 ** P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
 ** P17HL-14212-04 0010 Correlated studies of pulmonary disease - Physiologic studies (human)
 R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
 P17HL-15061-03 0001 Response of lung to injury - Bronchopulmonary lavage (human, rabbits)
 ** P17HL-15063-03 0001 SCOR diffuse infiltrati ve lung disease - Chronic interstitial pneumonia (human, dogs)
 ** P17HL-15063-03 0002 SCOR diffuse infiltrati ve lung disease - Asbestosis (human)
 ** P17HL-15063-03 0003 SCOR diffuse infiltrati ve lung disease - Radiologic studies of obstructive and interstitial lung disease (human)
 ** P17HL-15063-03 0004 SCOR diffuse infiltrati ve lung disease - Computers in respiratory disease (human)
 M P17HL-15088-03 Diffuse granulomatous and fibrotic pulmonary disease
 ** P17HL-15088-03 0001 Diffuse granulomatous and fibrotic pulmonary disease - Effect on the alveolar-arterial oxygen difference (dogs)
 ** P17HL-15088-03 0002 Diffuse granulomatous and fibrotic pulmonary disease - Effect on regulation of the pulmonary circulation (dogs)
 ** P17HL-15088-03 0003 Diffuse granulomatous and fibrotic pulmonary disease - Blood supply of pulmonary granulomatous tissue (dogs)
 ** P17HL-15088-03 0004 Diffuse granulomatous and fibrotic pulmonary disease - Type II alveolar cell in lipid exchange and in lung response to granulomas (dogs)
 ** P17HL-15088-03 0005 Diffuse granulomatous and fibrotic pulmonary disease - Effect of ouabain and ethacrynic acid on palmitate incorporation into lung
 ** P17HL-15088-03 0006 Diffuse granulomatous and fibrotic pulmonary disease - Oxygen tension and oxygen utilization in tissues from diseased lungs (dogs)
 ** P17HL-15088-03 0007 Diffuse granulomatous and fibrotic pulmonary disease - Performance of the diaphragm in diffuse pulmonary granulomatous disease (dogs)
 ** P17HL-15088-03 0009 Diffuse granulomatous and fibrotic pulmonary disease - Biochemistry and immunohistochemistry of human lung basement membrane (also rabbits)
 ** R01HL-15185-02 Progressing fibrosis of lungs (guinea pigs)
 P17HL-15389-03 0001 Wisconsin Pulmonary Disease Research Center - Patients known to have hypersensitivity pneumonitis
 P17HL-15389-03 0002 Wisconsin Pulmonary Disease Research Center - Patients suspected to have hypersensitivity pneumonitis
 P17HL-15389-03 0006 Wisconsin Pulmonary Disease Research Center - Other environmental pulmonary diseases (human, mammals)
 R01HL-15407-02 Physiological changes and lung metabolic functions (dogs)
 P01HL-16118-01 0004 Mechanisms in the remodeling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)

- R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
 P01HL-16748-01 0003 Cellular and immunological bases of pulmonary diseases - Alveolar macrophages and opportunistic microorganisms (human, guinea pigs)
 ** R23HL-17141-01 Collagen chemistry in pulmonary fibrosis (human)
 M01RR-00071-11 0040 General clinical research center - Diagnosis and therapy of industrial lung disease
RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
 SEE ALSO CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME
 SEE ALSO HYPERSENSITIVITY, RESPIRATORY HYPERSENSITIVITY, ASTHMA
 SEE ALSO RESPIRATORY DISORDERS, BRONCHITIS CHRONIC AND EMPHYSEMA
 SEE ALSO RESPIRATORY DISORDERS, BRONCHOSPASM
 SEE ALSO RESPIRATORY DISORDERS, DYSPNEA
 SEE ALSO RESPIRATORY DISORDERS, PULMONARY EDEMA
 ** P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
 ** P01AI-11759-01 0010 Clinical and laboratory studies relating to lung disease - Evaluation of tests for early airflow obstruction (human)
 P10ES-00260-12 0010 Research in the environmental health sciences - Respiratory tract particle deposition and bronchial clearance (human, donkeys)
 P01GM-15904-07 0016 Anesthesiology center for research and teaching - Acute respiratory insufficiency-Airway and airspace closure (human)
 P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
 ** P01GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
 ** R01HD-04154-06 Shock in infancy-Metabolic and hemodynamic aspects (swine, monkeys)
 ** R01HD-06819-02 Infection and childhood obstructive airway disease
 R01HL-05933-15 Applied pulmonary physiology (human)
 ** P01HL-06308-14 0009 Mechanisms and therapy of circulatory disease - Surgical hemodynamics (dogs)
 ** R01HL-08789-08 Respiratory muscles and ventilatory mechanics in man
 ** P01HL-08805-10 0018 Cardiovascular and pulmonary performance - Gas stores and ventilation in normal and obstructed breathing (goats, dogs, human)
 P01HL-08805-10 0023 Cardiovascular and pulmonary performance - Performance criteria of the ventilatory control (human)
 P01HL-08899-10 0015 Oxygenation and oxygen effects in man - Respiratory adaptations to increases in breathing (human)
 ** P01HL-10342-09 0010 Cardiovascular, pulmonary, and behavioral studies - Pathology of intrapulmonary airways and chronic obstructive lung disease (dogs)
 P01HL-10436-09 0006 Congenital heart disease - Physiology of prosthetic heart devices (human, cattle)
 R01HL-11907-06 Mechanisms of physiological responses to exercise (human, dogs)
 ** R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
 ** R01HL-12564-05 Control of respiration and blood gases (human)
 R01HL-13172-05 Post-trauma mechanics and pulmonary hypertension (human, dogs, monkeys)
 ** R01HL-13419-08 Correlation of pre- and postmortem function (human)
 R01HL-13714-04 Respiratory control in patients with hypoventilation (human)
 ** P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
 ** P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
 P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
 P17HL-14214-04 0005 Neonatal lung center - Recovery process in HMD (human, lamb)
 ** P17HL-14251-04 0008 Pathophysiology and management of respiratory insufficiency - Evaluation of peak acceleration (human)
 R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
 R01HL-14844-02 Mucin secretion by respiratory epithelial explants (human)
 ** P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
 ** P17HL-15098-03 0009 Special center of research-Environmental lung disease - Mechanical response of respiratory system to air pollutants (human, monkeys)
 ** P17HL-15098-03 0011 Special center of research-Environmental lung disease - V/O component to alveolar-arterial oxygen tension difference model (human)
 ** P17HL-15098-03 0012 Special center of research-Environmental lung disease - Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys)

(contd)

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M Grant has subprojects describing specific research aspects.

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- ** R01HL-15605-01 Site of airway obstruction and control of ventilation (dogs)
 R01HL-16074-01 Exercise-induced bronchospasm (children)
 R01HL-16157-01 Airway structure and lung function
 R01HL-16542-01 Early obstructive lung disease—Mechanisms, morphometry (human autopsy)
 R01HL-16563-01 Quantitative phonopneumography in lung disease (human, animals)
 ** R01HL-16616-01 Physiology of perfusion hypothermia in newborn (human, lambs, dogs, monkeys)
 R01HL-16726-01 Resistance and impedance of the respiratory system (human, dogs)
 ** R23HL-17182-01 Site of airway obstruction reversed by deep inspiration (human)
 N01HR-12216-04 Family study of alpha 1 antitrypsin
 N01HR-12218-04 Study proteinase inhibitor phenotypes (human)
 N01HR-12220-04 Study on alpha 1 antitrypsin
 ** N01HR-32901-02 Smoking and other pollutants in chronic airways obstructions (human)
 R01MH-24222-02 Behavior therapy and relaxation training in asthma (human)
 R01OH-00511-02 Bypassinosis (human, rabbits, guinea pigs, hamsters)
 ** M01RR-00051-13 0003 General clinical research center - Control of hypoxemia in chronic airway obstruction and cor pulmonale (human)
 ** M01RR-00350-08 0096 General clinical research center - Effect of viral and mycoplasma respiratory tract infection (human)
 ** M01RR-00400-06 0040 General clinical research center - adult - Respiratory regulation in patients with altered sensitivity to CO₂ and O₂ (human)
 ** M01RR-00425-06 0047 General clinical research center - Doxopram hydrochloride in primary alveolar hypoventilation syndrome (human)
 M01RR-00828-01 0001 General clinical research center - Long term corticosteroid therapy (human)
 M01RR-00828-01 0025 General clinical research center - Chronic use of ephedrine and tolerance to broncho-dilator effect (human)

RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY (GENERAL)

- SEE ALSO RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION
 P10ES-00267-07 0012 Center for environmental toxicology - Basic proteins of Elapid venoms—Mechanism of action (rats, mice)
 P01ES-00454-06 0019 Biological effects of environmental agents - Central inhibition of respiration by organophosphate insecticides (guinea pigs)
 P01GM-14546-08 0052 Influence of acute illness and injury on energy - Ventilation-perfusion (human)
 ** P01GM-15904-07 0012 Anesthesiology center for research and teaching - Acute respiratory insufficiency—Computer program
 ** P01GM-15904-07 0013 Anesthesiology center for research and teaching - Acute respiratory insufficiency—Ventilation-perfusion ratio inequality
 ** P01GM-15904-07 0014 Anesthesiology center for research and teaching - Acute respiratory insufficiency—Ventilator pattern
 ** P01GM-15904-07 0015 Anesthesiology center for research and teaching - Acute respiratory insufficiency—Oxygen cost of breathing
 ** P01GM-15904-07 0016 Anesthesiology center for research and teaching - Acute respiratory insufficiency—Airway and airspace closure (human)
 ** P01GM-15904-07 0017 Anesthesiology center for research and teaching - Acute respiratory insufficiency—Prolonged ventilation (human)
 ** P01GM-15904-07 0019 Anesthesiology center for research and teaching - Prevention of pulmonary infection in respiratory failure (human)
 ** P01GM-15904-07 0020 Anesthesiology center for research and teaching - Gas exchange in respiratory failure
 P01GM-15904-07 0022 Anesthesiology center for research and teaching - Physiologic response of man to hypoxia and hypercapnia
 P01GM-15991-06 0048 Anesthesia research center - Pulmonary oxygen toxicity (monkeys, dogs, rats)
 P01GM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange
 P01GM-18470-03 0018 Trauma center - Assay for 15-hydroxy prostaglandin hydrogenase (human)
 P01GM-18470-03 0020 Trauma center - Membrane pump oxygenator (human)
 P01HL-06370-13 0013 Cardiopulmonary and renal pathology research center - Cardiopulmonary, vascular and renal disease in man
 P01HL-06664-13 0025 Cardiopulmonary function in remediable vascular disease - Pulmonary blood flow, ventilation and lung function (human)
 P01HL-06664-13 0028 Cardiopulmonary function in remediable vascular disease - Management of patients with respiratory distress syndrome (human, lambs)

- P01HL-06664-13 0033 Cardiopulmonary function in remediable vascular disease - Antidiuretic hormone in clinical disturbances of water balance (human)
 R01HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
 R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
 R01HL-12530-06 Emphysema—Respiratory function in disease (human, dogs)
 R01HL-13687-04 Pulmonary ventilation, blood flow and gas exchange (human, dogs)
 P01HL-13738-03 0002 Cardiac assist devices and artificial hearts - Total replacement with artificial heart (calves sheep)
 P01HL-13738-03 0006 Cardiac assist devices and artificial hearts - Pulmonary function after artificial heart implantation (animals)
 ** P17HL-14201-04 0017 Pulmonary disease research center - Sequelae of mechanical ventilation for respiratory failure (human)
 M P17HL-14251-04 Pathophysiology and management of respiratory insufficiency
 ** P17HL-14251-04 0001 Pathophysiology and management of respiratory insufficiency - Brain circulation (cats, rabbits)
 ** R01HL-14436-03 Pulmonary oxygen toxicity (human, rabbits)
 R01HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
 ** R01HL-14969-01 Post-traumatic pulmonary insufficiency (dogs)
 M P01HL-15037-03 Mechanisms of cardiopulmonary dysfunction in shock
 ** P01HL-15037-03 0004 Mechanisms of cardiopulmonary dysfunction in shock - Pathophysiology and wet-lung syndrome (swine)
 ** P01HL-15037-03 0005 Mechanisms of cardiopulmonary dysfunction in shock - Therapy of wet-lung syndrome (dogs)
 R01HL-15140-01 Lysosomal proteases and chronic obstructive pulmonary disease
 ** R01HL-15593-02 0001 Prolonged extracorporeal cardiopulmonary support - Clinical prolonged extracorporeal circulation (human)
 ** R01HL-15676-02 The role of occult myocardial failure in human shock
 ** R01HL-15682-01 Development of antithrombotic membrane oxygenators (dogs, human)
 ** R01HL-15873-02 Respiratory assist (human, dogs, cattle, sheep)
 R01HL-16031-01 The lung lining layer—Synthesis and secretion (rats)
 ** R01HL-16154-01 Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human)
 ** R23HL-17175-01 Prostaglandins and shock lung (dogs)
 N01HR-22942-04 Risk factors in chronic obstructive pulmonary disease
 ** N01HR-42915-00 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42916-00 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42917-01 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42918-00 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42919-00 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42920-00 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42921-00 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42922-01 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42923-00 Extracorporeal support for respiratory insufficiency (human)
 ** N01HR-42964-00 Educational programs for treatment of acute respiratory insufficiency
 ** N01HR-42965-00 Educational program for treatment of acute respiratory insufficiency
 ** N01HR-42966-00 Educational program for treatment of acute respiratory insufficiency
 R18HS-01449-01 Demonstration of health care technology
 ** P07RR-00015-12 0086 Medical school computer facility - Pulmonary circulatory insufficiency
 M01RR-00080-12 0087 General clinical research center - Development of autonomic reflexes (human)
 ** P07RR-00267-09 0111 Biomedical data processing unit - Post traumatic pulmonary insufficiency
 ** M01RR-00828-01 0041 General clinical research center - Body composition in respiratory failure (human)

RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY, SHOCK LUNG

- ** P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
 ** P01GM-21797-01 0007 The traumatized patient - Pulmonary function (human, dogs)
 R01HL-12530-06 Emphysema—Respiratory function in disease (human, dogs)

- R01HL-15779-01 Aspiration pneumonia—Pathophysiology and treatment (dogs)
 ** P01HL-16769-01 0002 Pathobiologic and host defense reactions in the lung - Pathogenesis of complement dependent injury to the lungs (rabbits, monkeys)
 ** R23HL-17175-01 Prostaglandins and shock lung (dogs)
 ** P01NS-07366-07 0014 Head injury clinical center research program - Pathogenesis of respiratory failure after head trauma (human)

RESPIRATORY DISORDERS, TRACHEAL STENOSIS

- ** R01GM-12829-10 0007 Wound healing - Effects of fluorinated corticoids on collagen synthesis, lysis in wounds (human)

RESPIRATORY DISORDERS CHEMOTHERAPY

- SEE ALSO RESPIRATORY DRUGS, BRONCHONESTRICTORS
 SEE ALSO RESPIRATORY DRUGS, BRONCHODILATORS
 SEE ALSO RESPIRATORY DRUGS, EXPECTORANTS
 SEE ALSO RESPIRATORY SYSTEM PHARMACOLOGY
 P15A-10386-04 Investigations in bronchial asthma (human)
 ** P15A-10391-03 Allergy disease center—Rhinitis investigations (human, guinea pigs)
 P15A-10398-04 Allergy disease center (human)
 P15A-10400-04 Clinical and biochemical correlations in asthma (children)
 R01AI-12236-01 Depamine excretion in differential diagnosis of asthma (human)
 P01AM-08305-11 0004 Cystic fibrosis and pulmonary disease - Bacteriology and antibacterial defense mechanisms in CF (human)
 ** P01AM-13385-06 Cystic fibrosis
 P01ES-00454-06 0019 Biological effects of environmental agents - Central inhibition of respiration by organophosphate insecticides (guinea pigs)
 ** R01ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
 R01GM-12748-10 Mechanism of cell damage in severe burns (mice, rats)
 P01GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
 P01GM-15991-06 0007 Anesthesia research center - Tidal volumes in acute pulmonary edema (dogs)
 ** P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
 ** P11GM-20852-01 0004 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of theophylline and isoproterenol (human)
 R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
 ** R01HD-04344-04 Ultrastructure and quantitation of surfactant (human, monkeys, rabbits, E coli)
 ** R01HD-06341-01 Respiratory distress syndrome in lambs
 ** R01HD-08339-01 Sudden infant death syndrome and sleep apnea (infants, adults)
 R01HL-05933-15 Applied pulmonary physiology (human)
 P01HL-06285-14 0181 Cardiovascular-respiratory physiology and biochemistry - Regulation of respiration—Role of vagus nerves (dogs)
 ** P01HL-08805-10 0009 Cardiovascular and pulmonary performance - Bronchopulmonary lavage (human)
 R01HL-12011-07 Regional lung expansion (human)
 P01HL-12738-06 0085 Physiologic pharmacology and its clinical applications - The autonomic nervous system in the asthmatic child
 R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
 M R01HL-13885-04 Cystic fibrosis and pulmonary disease
 ** R01HL-13885-04 0001 Cystic fibrosis and pulmonary disease - Cardiovascular and pulmonary function (infants, children)
 R01HL-13885-04 0002 Cystic fibrosis and pulmonary disease - Evaluation of therapy (infants, children)
 P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
 P17HL-14152-04 0004 Johns Hopkins Lung Center - Lung macrophages in chronic inflammation (rabbits)
 P17HL-14169-04 0001 Pulmonary disease center - Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human)
 P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
 P17HL-14179-04 0009 Center for the study of lung disease - Evaluation of therapy in chronic pulmonary diseases in children
 P17HL-14179-04 0015 Center for the study of lung disease - Macrophages and phagocytosis—Drugs and lung disease (human)
 P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
 ** P17HL-14212-04 0001 Correlated studies of pulmonary disease - Clinical studies
 P17HL-14218-04 0005 Newborn lung center - Bacterial infection in infants with respiratory distress (human)
 R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- R01HL-14692-03 Alpha 1 antitrypsin deficiency and pulmonary disease (human)
- R01HL-14865-02 Biochemical studies on the pathogenesis of emphysema
- ** P01HL-15037-03 0005 Mechanisms of cardiopulmonary dysfunction in shock - Therapy of wet-lung syndrome (dogs)
- R01HL-15779-01 Aspiration pneumonia-Pathophysiology and treatment (dogs)
- R01HL-16074-01 Exercise-induced bronchospasm (children)
- R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- R13HL-16740-01 Conference on scientific basis of respiratory therapy (Pennsylvania)
- R01MH-11299-10 Emotion and pulmonary function in asthma (human)
- R01MH-19884-03 Treatment of asthma by behavior therapy
- R01MH-21144-03 Treatment of asthma through conditioning
- R03MH-22532-01 Voluntary control of respiratory resistance (human)
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- R01OH-00387-03 Accelerated silicosis in sandblasters (human)
- M01RR-00037-14 0143 General clinical research center - Adrenal suppressive effect of alternate day vs daily steroids (human)
- M01RR-00051-13 0136 General clinical research center - Action of isoproterenol in asthma (human)
- M01RR-00051-13 0163 General clinical research center - Ca and P metabolism in asthma treated with theophylline and barbiturates
- M01RR-00058-13 0010 General clinical research center - Hypersensitivity pneumonitis (human)
- M01RR-00068-12 0021 General clinical research center - Effects of phenobarbital on adrenal steroid metabolism in asthmatics (human)
- M01RR-00262-09 0030 General clinical research center - Prevention of hyaline membrane disease (human)
- M01RR-00425-06 0047 General clinical research center - Domipram hydrochloride in primary alveolar hypoventilation syndrome (human)
- M01RR-00645-03 0057 Clinical research center - Effects of terbutaline in chronic obstructive lung disease (human)
- M01RR-00722-02 0024 General Clinical Research Center - Corticosteroids and immunosuppressive agents in pulmonary sarcoidosis (human)
- M01RR-00828-01 0010 General clinical research center - Bioavailability of theophylline (human)
- M01RR-00828-01 0025 General clinical research center - Chronic use of ephedrine and tolerance to broncho-dilator effect (human)
- RESPIRATORY DISORDERS CONGENITAL**
SEE CONGENITAL ABNORMALITIES, RESPIRATORY (GENERAL)
- RESPIRATORY DISTRESS SYNDROME**
SEE CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME
- RESPIRATORY DRUGS, BRONCHOCONSTRICTORS**
- P01HL-06285-14 0181 Cardiovascular-respiratory physiology and biochemistry - Regulation of respiration - Role of vagus nerves (dogs)
- P01HL-12738-06 0085 Physiologic pharmacology and its clinical applications - The autonomic nervous system in the asthmatic child
- P17HL-14179-04 0008 Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
- P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
- R01HL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
- R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
- R03MH-22532-01 Voluntary control of respiratory resistance (human)
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- RESPIRATORY DRUGS, BRONCHODILATORS**
- P15A-10304-04 Clinical center for allergic diseases (human)
- P15A-10398-04 Allergy disease center (human)
- P15A-10400-04 Clinical and biochemical correlations in asthma (children)
- ** P11GM-20852-01 0004 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of theophylline and isoproterenol (human)
- P01HL-06285-14 0181 Cardiovascular-respiratory physiology and biochemistry - Regulation of respiration - Role of vagus nerves (dogs)
- R01HL-10009-09 Pulmonary blood flow distribution in man
- R01HL-12011-07 Regional lung expansion (human)
- P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
- P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
- P17HL-14169-04 0001 Pulmonary disease center - Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human)
- P17HL-14179-04 0008 Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
- P17HL-14179-04 0009 Center for the study of lung disease - Evaluation of therapy in chronic pulmonary diseases in children
- P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- P17HL-15088-03 0002 Diffuse granulomatous and fibrotic pulmonary disease - Effect on regulation of the pulmonary circulation (dogs)
- R01HL-16074-01 Exercise-induced bronchospasm (children)
- R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
- P01HS-01053-03 0016 Automated health services - Pulmonary laboratory automation (human)
- R01MH-11299-10 Emotion and pulmonary function in asthma (human)
- R01MH-21144-03 Treatment of asthma through conditioning
- R03MH-22532-01 Voluntary control of respiratory resistance (human)
- R01OH-00304-10 Physiological studies on byssinosis (human, guinea pigs)
- M01RR-00051-13 0136 General clinical research center - Action of isoproterenol in asthma (human)
- M01RR-00051-13 0163 General clinical research center - Ca and P metabolism in asthma treated with theophylline and barbiturates
- ** M01RR-00645-03 0057 Clinical research center - Effects of terbutaline in chronic obstructive lung disease (human)
- ** M01RR-00828-01 0010 General clinical research center - Bioavailability of theophylline (human)
- ** M01RR-00828-01 0025 General clinical research center - Chronic use of ephedrine and tolerance to broncho-dilator effect (human)
- RESPIRATORY DRUGS, DECONGESTANTS, NASAL**
- P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)
- RESPIRATORY DRUGS, EXPECTORANTS**
- R01AM-17771-01 Lung mucociliary clearance and mucous rheology (dogs)
- R01ES-00421-10 Upper respiratory tract clearance (rats)
- ** R01HL-13885-04 0002 Cystic fibrosis and pulmonary disease - Evaluation of therapy (infants, children)
- RESPIRATORY ENZYMES**
SEE RESPIRATORY PROTEINS, RESPIRATORY ENZYMES
- RESPIRATORY EXAMINATIONS***
SEE ALSO RESPIRATORY VISUALIZATION*
- ** P01A-11759-01 0002 Clinical and laboratory studies relating to lung disease - Radioimmunoassay as diagnostic aid in hypersensitivity lung disease (human)
- ** P01A-11759-01 0010 Clinical and laboratory studies relating to lung disease - Evaluation of tests for early airflow obstruction (human)
- P01CA-13343-02 0020 Environmental cancer - Computer model for calculating lung tissue dose from inhaled carcinogens (human)
- P01CA-13343-02 0021 Environmental cancer - Toxicology-Dosimetry and particulate carcinogens (human)
- R01CA-14189-02 Bronchogenic carcinoma-Early detection and etiology (human)
- ** R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
- ** R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
- R01GM-10797-09 0015 Pattern recognition in clinical medical laboratories - Lung sections for emphysema tests using electronic scanning and computer
- P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
- P01GM-14267-09 0010 Microelectronics laboratory for biomedical science - Pediatric systems (cats, human)
- ** P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
- ** P01GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
- ** P01GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
- ** R01HD-08339-01 Sudden infant death syndrome and sleep apnea (infants, adults)
- R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
- P17HL-14152-04 0021 Pulmonary specialized center of research - Obstructive pulmonary syndromes (human)
- ** P17HL-14152-04 0022 Pulmonary specialized center of research - Biinstrumentation in the diagnosis and treatment of respiratory disease
- ** P17HL-14187-04 0008 Center for lung research - Pulmonary embolism (dogs)
- P17HL-14218-04 0001 Newborn lung center - Longitudinal study of RDS of infants (human)
- ** P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
- R01HL-15779-01 Aspiration pneumonia-Pathophysiology and treatment (dogs)
- ** R01HL-16542-01 Early obstructive lung disease-Mechanics, morphology (human autopsy)
- R01HL-16563-01 Quantitative phonopneumography in lung disease (human, animals)
- P01HL-16748-01 0006 Cellular and immunological bases of pulmonary diseases - Sarcoidosis-Studies with bronchial lavage (human)
- M01HR-22942-04 Risk factors in chronic obstructive pulmonary disease
- M01RR-00046-14 0051 General clinical research center - Diagnosis of sarcoidosis, effects of corticosteroids on lung sarcoidosis (human)
- RESPIRATORY EXAMINATIONS, PNEUMOGRAPH***
- ** R01HL-16563-01 Quantitative phonopneumography in lung disease (human, animals)
- RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS***
- P15A-10398-04 Allergy disease center (human)
- P15A-10405-04 Asthma clinical center (human, rats, rabbits)
- ** P01A-11759-01 0010 Clinical and laboratory studies relating to lung disease - Evaluation of tests for early airflow obstruction (human)
- R01DA-00067-04 Marijuana effects on lung and electroencephalogram (human)
- P10ES-00260-12 0002 Research in the environmental health sciences - Respiratory disease aerosol physiology (human)
- ** P10ES-00260-12 0004 Research in the environmental health sciences - Biomathematics (human)
- P11GM-15956-07 0049 Factors affecting the responses to drugs - Blood levels of aminophylline and theophylline and airway resistance (human)
- ** R01HD-07826-01 Respiratory loading in sudden infant death (human)
- ** R01HL-02001-20 Cardiopulmonary physiology (human, dogs)
- R01HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
- P01HL-06285-14 0181 Cardiovascular-respiratory physiology and biochemistry - Regulation of respiration - Role of vagus nerves (dogs)
- ** P01HL-06285-14 0190 Cardiovascular-respiratory physiology and biochemistry - Physiological and pharmacological regulation of airway-Maximal flow (human, dog)
- P01HL-06285-14 0191 Cardiovascular-respiratory physiology and biochemistry - Control of respiration in early life (human)
- P01HL-07896-13 0016 Environmental biomedical research program - Inspired pressures of oxygen upon clearance of tantalum from airway (human, dogs)
- ** P01HL-08886-11 0057 Radiology-physiology cardiovascular research - Changes in the upper airway morphology due to obstruction (dogs)
- ** R01HL-12011-07 Regional lung expansion (human)
- ** R01HL-12980-05 Flow in collapsible tubes and airway compression
- R01HL-13441-04 Cardiovascular instrumentation development (dogs)
- ** P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
- P01HL-13979-04 0008 Cardio-pulmonary-renal program - Chronic obstructive pulmonary disease (dogs)
- ** P17HL-14152-04 0019 Pulmonary specialized center of research - Flow limiting segment in obstructive airway disease (human, dogs)
- P17HL-14169-04 0001 Pulmonary disease center - Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human)
- ** P17HL-14179-04 0006 Center for the study of lung disease - Distribution of inspired gas in the lungs (human)
- P17HL-14179-04 0007 Center for the study of lung disease - Postnatal lung growth, its abnormalities in infants and children (and dogs)
- ** P17HL-14187-04 0007 Center for lung research - New xenon 133 method for measurement of regional V/Q ratios (human)
- ** P17HL-14201-04 0012 Pulmonary disease research center - Hyper-irritability of the airways in patients with asthma (also dogs)
- P17HL-14201-04 0014 Pulmonary disease research center - Early detection of emphysema (human, dogs)

(cont'd)

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- P17HL-14201-04 0015 Pulmonary disease research center - Timed expiratory chest films for the detection of COPD (human)
- ** P17HL-14251-04 0008 Pathophysiology and management of respiratory insufficiency - Evaluation of peak acceleration (human)
- P01HL-14414-03 0003 Cardiorespiratory performance and environmental factors - Gas diffusion and alveolar gas exchange (dogs, human)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- ** R01HL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
- ** P01HL-14580-03 0002 Program project in respiratory mechanics - Airway aerodynamics (human)
- R01HL-14740-03 Computer based on-line measurement for intensive care (human, mammals, nonhuman)
- ** P17HL-15098-03 0010 Special center of research-Environmental lung disease - Analytical models to determine mechanical parameters (human)
- P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
- ** R01HL-15526-01 Respiratory mechanics in children
- ** R01HL-16325-01 Breathing patterns in man
- ** R01HL-16494-01 Oxygen uptake, RQ, and airflow in respirator patients
- R01HL-16542-01 Early obstructive lung disease-Mechanics, morphometry (human autopsy)
- R01HL-16563-01 Quantitative phonopneumography in lung disease (human, animals)
- ** R01HL-16586-01 Automation of dynamic lung resistance measurement (human)
- R01HL-16784-01 Lung tissue and water volume (human, dogs)
- ** N01HR-32900-02 Pilot study to standardize the measurement of 'closing volume' (human)
- N01HR-32901-02 Smoking and other pollutants in chronic airways obstructions (human)
- ** N01HR-32902-01 Pilot study to standardize the measurement of 'closing volume' (human)
- ** N01HR-32903-02 Pilot study to standardize the measurement of 'closing volume' (human)
- ** P01HS-01053-03 0008 Automated health services - Computerized respiratory monitoring (human)
- R03MH-22532-01 Voluntary control of respiratory resistance (human)
- P01NS-06459-09 0032 Communication sciences - Speech articulation and laryngeal behavior (human)
- R01NS-08041-06 Mechanisms of speech production (human)
- R01NS-09627-04 Physiological bases of dysarthria (human)
- R01NS-09656-04 Speech breathing mechanics (human)
- ** P01NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
- ** R01OH-00340-05 0001 Respiratory effects of inhaled gases and aerosols - Respiratory uptakes of ozone in dogs
- RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS, ULTRASONIC***
- R01HL-16555-01 Engineering development of an ultrasonic ventilometer
- RESPIRATORY EXAMINATIONS, SPIROMETRY***
- P17HL-14251-04 0008 Pathophysiology and management of respiratory insufficiency - Evaluation of peak acceleration (human)
- P17HL-15063-03 0004 SCOR diffuse infiltrate ve lung disease - Computers in respiratory disease (human)
- ** P01HS-01053-03 0007 Automated health services - Evaluation of pulmonary function (human)
- ** P01HS-01053-03 0016 Automated health services - Pulmonary laboratory automation (human)
- RESPIRATORY EXAMINATIONS, SPIROMETRY, BRONCHOSPIROMETRY***
- R01HL-01782-19 0003 Cardiovascular and pulmonary problems - Physiological changes associated with reimplantation of lung (dogs)
- ** R01HL-05933-15 Applied pulmonary physiology (human)
- RESPIRATORY FAILURE (GENERAL)**
- SEE RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY (GENERAL)
- RESPIRATORY FUNCTION**
- ** R01AA-00257-05 Respiratory-depressive effects of ethanol (mice)
- P01AI-11759-01 0010 Clinical and laboratory studies relating to lung disease - Evaluation of tests for early airflow obstruction (human)
- P01CA-08748-09 5531 Research program of Sloan-Kettering Institute - Cyclotron produced radioactive gases for lung function studies
- P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
- ** P02CA-13943-02 0064 Clinical pharmacology immunology cancer research center - Pulmonary function tests in patients treated with bleomycin
- P01CA-16127-01 0015 Cancer Research and Treatment Center Program - Preoperative testing in bronchogenic carcinoma (human)
- ** R01DA-00067-04 Marijuana effects on lung and electroencephalogram (human)
- P10ES-00210-07 0012 Center for environmental management - Mercury in the environment (rats)
- R01ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- ** R01ES-00421-10 Upper respiratory tract clearance (rats)
- P01ES-00454-06 0002 Biological effects of environmental agents - Dehydration, food deprivation and clearance of environmental agents (rodents)
- R01ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
- ** R01ES-00868-02 Effect low level air pollutants on human health
- R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
- ** P01GM-09069-12 0057 Research in anesthesiology - Respiratory function of newborn infants during mechanical ventilation (human)
- ** P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
- P01GM-12527-10 0004 Anesthetic and related drugs - Clinical pharmacology and research methodology (human, rabbits)
- M P01GM-15430-07 Research in anesthesia
- P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- R01GM-17284-05 Computer monitoring of surgical patients
- P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
- P01GM-19599-02 0002 Surveillance and predictive diagnosis in surgical patients - Work of breathing team (dogs, human)
- P11GM-20852-01 0004 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of theophylline and isoproterenol (human)
- ** P01HD-01799-09 0030 Mental retardation research center - Developmental pulmonary function and diseases (human)
- R01HD-02704-08 Lung edema, immaturity and hyaline membrane disease (dogs, rabbits, sheep)
- ** P01HD-03110-07 0038 Child development and mental retardation - Growth of lung function in children
- ** R01HD-05837-02 Metabolism of isolated perfused newborn lung (rabbits)
- R01HD-06311-03 Lung lecithin synthesis-normal and asphyxial (sheep, rats)
- ** R01HD-07135-02 Pathophysiology of tissue oxygen transport (sheep)
- ** R01HD-08297-01 Respiratory control in early life (human)
- N01HD-22777-03 Developmental phenomena and the occurrence of SIDS (human)
- N01HD-22778-03 Developmental phenomena and the occurrence of SIDS (human)
- N01HD-42810-00 Developmental phenomena and the occurrence of SIDS (human)
- ** R01HL-01646-24 Lungs in head injury-Regional brain blood flow and Po₂ (mammals)
- R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- M P01HL-06285-14 Cardiovascular-respiratory physiology and biochemistry
- P01HL-06285-14 0166 Cardiovascular-respiratory physiology and biochemistry - Pattern of respiration on alveolar oxygen tension (human)
- ** P01HL-06285-14 0180 Cardiovascular-respiratory physiology and biochemistry - Vagal C-fibers and their influence on visceral and somatic function (animals)
- M P01HL-06296-14 Human adaptation to environmental and exercise stress
- ** P01HL-06664-13 0025 Cardiopulmonary function in remediable vascular disease - Pulmonary blood flow, ventilation and lung function (human)
- P01HL-07896-13 0015 Environmental biomedical research program - Heat and mass transfer at simulated depths breathing helium (human)
- P01HL-07896-13 0016 Environmental biomedical research program - Inspired pressures of oxygen upon clearance of tantalum from airway (human, dogs)
- ** P01HL-07896-13 0021 Environmental biomedical research program - Pulmonary mechanics, liquid breathing and gas exchange (human)
- ** P01HL-08899-10 0006 Oxygenation and oxygen effects in man - Effects of extreme pressures of inert gases in macaque monkey
- P01HL-08899-10 0018 Oxygenation and oxygen effects in man - Effects of respiratory gases at extreme pressures (human)
- M P01HL-09814-09 Research program- Cardiovascular and related disease
- P01HL-09814-09 0004 Research program- Cardiovascular and related disease - Chronic respiratory disease (human)
- P01HL-09814-09 0023 Research program- Cardiovascular and related disease - Chronic respiratory symptoms and disease, ventilatory lung function (human)
- ** P01HL-09814-09 0038 Research program- Cardiovascular and related disease - Isuprel inhalation on lung function, respiration and smoking (human)
- ** P01HL-09814-09 0039 Research program- Cardiovascular and related disease - Lung function during exercise and respiratory disease (human)
- ** R01HL-10177-09 Continuous monitoring with a small digital computer (human)
- P01HL-10539-09 0023 Pathophysiology of circulation - Meditatorial states and their application to disease states (human)
- R01HL-11884-05 Work function after myocardial infarction (human)
- ** R01HL-13045-05 Pulmonary artery occlusion-Effect on lung metabolism (dogs)
- R01HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
- R01HL-13414-04 Behavior of aerosol particles in internal flows
- P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- R01HL-13667-08 Natural history of chronic bronchitis - emphysema (human)
- R01HL-13841-13 Respiration during altitude acclimatization (goats, human)
- P17HL-14136-04 0003 Obstructive lung diseases - Acute pediatric respiratory disease and COPD
- P17HL-14136-04 0004 Obstructive lung diseases - Pathophysiological correlations in COPD (human)
- P17HL-14152-04 0014 Pulmonary specialized center of research - Length tension studies of alveolar walls (human, mammals)
- P17HL-14152-04 0017 Pulmonary specialized center of research - Animal model of pulmonary obstructive disease (sheep)
- P17HL-14152-04 0021 Pulmonary specialized center of research - Obstructive pulmonary syndromes (human)
- ** P17HL-14153-04 0003 Johns Hopkins Lung Center - Pulmonary function studies (human)
- P17HL-14179-04 0005 Center for the study of lung disease - Mechanisms of exercise tolerance in chronic obstructive lung diseases (human)
- ** P17HL-14179-04 0008 Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
- ** P17HL-14179-04 0012 Center for the study of lung disease - Tracheal and amniotic fluid and their relation to neonatal lung function (human)
- P17HL-14187-04 0014 Center for lung research - Vasoactive agents and proteolytic enzymes in the lung (human, mammals)
- P17HL-14201-04 0001 Pulmonary disease research center - Asphyxia, hypovolemia and hypotension in RDS (human infants)
- P17HL-14201-04 0010 Pulmonary disease research center - Repair and regeneration of alveolar walls after injury (cats)
- P17HL-14201-04 0012 Pulmonary disease research center - Hyper-irritability of the airways in patients with asthma (also dogs)
- P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
- P17HL-14212-04 0010 Correlated studies of pulmonary disease - Physiologic studies (human)
- ** P17HL-14214-04 0012 Neonatal lung center - Pulmonary status of children who had RDS as infants
- P17HL-14218-04 0001 Newborn lung center - Longitudinal study of RDS of infants (human)
- ** R01HL-14399-03 Lung collagen and elastin (guinea pigs)
- P01HL-14414-03 0009 Cardiorespiratory performance and environmental factors - Comparative study of cardiopulmonary fitness (human)
- M P01HL-14580-03 Program project in respiratory mechanics
- P01HL-14580-03 0001 Program project in respiratory mechanics - Structural mechanics of the lung (dogs)
- ** P01HL-14580-03 0002 Program project in respiratory mechanics - Airway aerodynamics (human)
- ** P01HL-14580-03 0004 Program project in respiratory mechanics - Comparative mammalian respiratory mechanics
- P01HL-14580-03 0005 Program project in respiratory mechanics - Development and evaluation of tests of pulmonary function (human)
- R01HL-14703-08 The role of infection in emphysema (human)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- P01HL-14780-02 0008 Mechanisms and treatment of cardiovascular diseases - Mechanism of temperature regulation (human)
- ** R01HL-14843-01 Respiratory muscle afferents in respiratory control (cats)
- ** P17HL-15061-03 0013 Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)
- P17HL-15063-03 0002 SCOR diffuse infiltrate ve lung disease - Asbestosis (human)
- ** P17HL-15063-03 0009 SCOR diffuse infiltrate ve lung disease - Pulmonary effects of marijuana (human)
- ** P17HL-15063-03 0011 SCOR diffuse infiltrate ve lung disease - Non-respiratory functions of the lung in health and disease (human)

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- P17HL-15088-03 0008 Diffuse granulomatous and fibrotic pulmonary disease - Pulmonary vascular disease in progressive systemic sclerosis (human)
- P17HL-15092-03 0002 Occupational environmental pulmonary disease center - Accelerated silicosis in sandblasters
- ** P17HL-15092-03 0004 Occupational environmental pulmonary disease center - Pulmonary function industrial population unexposed to injurious inhalants
- P17HL-15092-03 0005 Occupational environmental pulmonary disease center - Respiratory and immunologic evaluation of isocyanate exposure
- P17HL-15098-03 0012 Special center of research-Environmental lung disease - Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys)
- P18HL-15169-03 0015 Comprehensive sickle cell disease center - Pathophysiology of acute pulmonary infiltrates in sickle cell disease (human)
- ** R01HL-15311-02 Development of Hering-Breuer reflexes (opossum)
- P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
- ** R01HL-15497-02 Factors affecting growth and function of lung (rats)
- R01HL-15726-01 Permeation mechanism of gases into the lung
- R01HL-15755-01 Experimental emphysema (dogs)
- M P01HL-15832-02 Chemical predispositions to lung injury
- P01HL-15832-02 0003 Chemical predispositions to lung injury - Change of connective tissue structure of lung with proteolytic enzymes (rat, dog)
- ** P18HL-16005-01 0009 Comprehensive sickle cell center of the University of Chicago - Cardiovascular-pulmonary dynamics in sickle cell anemia (human)
- ** R01HL-16034-01 Optimal estimation of lung distribution functions (human)
- M P01HL-16137-01 Alveolar biology
- P01HL-16137-01 0012 Alveolar biology - Pathology of alveoli and the surfactant-fetal pulmonary fluid
- ** R01HL-16157-01 Airway structure and lung function
- ** R01HL-16390-01 Cardiopulmonary control coupling in exercise (dogs)
- R01HL-16651-01 Evaluation of steroid therapy in sarcoidosis
- ** R01HL-16653-01 Respiratory control and body temperature (turtles)
- ** R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- P01HL-16748-01 0009 Cellular and immunological bases of pulmonary diseases - Pulmonary physiology core laboratory
- ** R23HL-17115-01 Mast cell function in cor pulmonale and lung edemas (cats, guinea pigs, human)
- ** R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
- ** R23HL-17218-01 Mechanism of antioxidant protection in lung
- ** M01HR-22940-03 Chronic obstructive pulmonary disease and tobacco smoking (dogs)
- M01HR-22944-02 Host factors as determinants of chronic obstructive pulmonary disease (human)
- M01HR-33001-01 High performance respiratory mass spectrometer
- ** M01HR-33002-03 Prototype pulmonary function analyzer
- M01HR-40044-00 0073 - NATIONAL COOPERATIVE PROGRAM
- ** P01HS-01053-03 0007 Automated health services - Evaluation of pulmonary function (human)
- M01HV-71443-09 Myocardial infarction research unit
- ** P01HS-07253-06 0013 Center for clinical studies of head injuries - Pulmonary function studies in head injury (human)
- ** P01HS-07253-06 0020 Center for clinical studies of head injuries - Respiratory physiology in the head injury patient
- P01HS-09199-04 0001 Effect of L-dopa on synthesis of amines in brain (human, animals) - Therapeutic and side effects of L-dopa (human)
- R01HS-10247-01 Physiological dynamics during speech production (human)
- ** R01NS-11458-01 Neurophysiologic studies of respiratory control (mammals)
- P01NS-11766-01 0008 Clinical research center for neuromuscular disease - Myoneural function in full term and premature infants
- ** R01OH-00334-05 Air pollution and lung clearance of particles
- ** R01OH-00340-05 0002 Respiratory effects of inhaled gases and aerosols - Low concentrations of ozone (cats, human)
- R01OH-00340-05 0006 Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
- ** R01OH-00340-05 0008 Respiratory effects of inhaled gases and aerosols - Effects of ozone on rabbits lungs
- R01OH-00340-05 0009 Respiratory effects of inhaled gases and aerosols - Evidence that ozone also affects the lungs through a systemic pathway
- ** R01OH-00340-05 0011 Respiratory effects of inhaled gases and aerosols - Sulfur dioxide plus sodium chloride-Functional effects (guinea pigs)
- ** R01OH-00352-05 Lung cell function in health and disease (human, rabbits)
- ** P07RR-00007-11 0293 Computer processing in biomedical systems - Roentgen videograms for respiratory mechanics in dogs
- ** P07RR-00007-11 0346 Computer processing in biomedical systems - Computer control of experimental procedures
- ** M01RR-00046-14 0047 General clinical research center - Effects of Delta-9-THC on cardiovascular and respiratory center (human)
- ** M01RR-00063-12 0063 General clinical research center - Pulmonary function of persons living in polluted vs non-polluted cities
- ** M01RR-00075-11 0063 General clinical research center for children - Pulmonary function in cystic fibrosis
- P07RR-00267-09 0111 Biomedical data processing unit - Post traumatic pulmonary insufficiency
- M01RR-00336-08 0068 General clinical research center - Cardiac, pulmonary peripheral vascular manifestations of SLE (human)
- M01RR-00350-08 0096 General clinical research center - Effect of viral and mycoplasmal respiratory tract infection (human)
- ** M01RR-00400-06 0051 General clinical research center - adult - Respiratory hydrogen excretion to detect carbohydrate malabsorption (human)
- M01RR-00633-02 0032 General clinical research center - Serial measurements of lung function during inhalation therapy (human)
- RESPIRATORY FUNCTION, APNEA**
- P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
- P01HD-02274-08 0014 Mental retardation and child development - Neuropathology (human, monkeys, rats)
- P01HD-02274-08 0083 Mental retardation and child development - Sudden infant death (rats)
- P01HD-04665-04 0006 Metabolic abnormalities in mental retardation - Pathogenesis and prevention of kernicterus (human, mammals nonhuman)
- R01HD-06314-03 Crib death and development of cardio-pulmonary reflexes (human)
- ** R01HD-07460-02 Sleep apnea and the sudden infant death syndrome
- R01HD-07826-01 Respiratory loading in sudden infant death (human)
- R01HD-07965-01 Respiratory chemosensitivity during sleep in infancy (human)
- ** R01HD-08339-01 Sudden infant death syndrome and sleep apnea (infants, adults)
- R01HL-04457-16 Cellular aspects of active transport (fish)
- ** P01HL-08886-11 0043 Radiology-physiology cardiovascular research - Effects of apnea and face immersion on the cardiac cycle (human)
- ** P01HL-08886-11 0051 Radiology-physiology cardiovascular research - Underwater apneic bradycardia of rest and during exercise (human)
- R01HL-13443-03 Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits)
- P17HL-15088-03 0010 Diffuse granulomatous and fibrotic pulmonary disease - Regulation of pulmonary angiotensin-converting enzyme (human, rabbits)
- R01HL-15311-02 Development of Hering-Breuer reflexes (opossum)
- ** R01HL-16325-01 Breathing patterns in man
- ** R23HL-17172-01 Ventilatory control and sleep in the premature (monkeys)
- P01NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
- ** M01RR-00081-12 0032 General clinical research center, premature infants - Sleep apnea in infants
- ** M01RR-00229-09 0061 General clinical research center - Sudden infant death syndrome (human)
- RESPIRATORY FUNCTION, BRONCHOMOTION**
- P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
- P17HL-14201-04 0012 Pulmonary disease research center - Hyper-irritability of the airways in patients with asthma (also dogs)
- R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- RESPIRATORY FUNCTION, HYPERPNEA**
- ** P01GM-09069-12 0104 Research in anesthesiology - Body carbon dioxide stores
- ** P01GM-15571-06 0001 Anesthesia research-Program project - Control of respiration in hyperpnea of exercise (dogs, human)
- P01GM-15904-07 0018 Anesthesiology center for research and teaching - Anesthesia and lung chemistry
- P01GM-16437-06 0001 Biomedical engineering program project - Cardiopulmonary systems (dogs, human)
- P01GM-16934-06 0013 Sulfonamides and carbonic anhydrase-Basis for therapy - Respiratory effects and carbonic anhydrase inhibition (human)
- P01GM-18715-02 0002 Biochemical effects and chemical reactions of drugs - Effects of drugs and metabolic disturbances on pH and brain ions (rats)
- ** R01HL-11907-06 Mechanisms of physiological responses to exercise (human, dogs)
- ** R01HL-13233-05 Regulation of respiration in exercise (human)
- P17HL-14136-04 0007 Obstructive lung diseases - Respiratory distress and pulmonary surfactant (rats, rabbits)
- P01HL-16118-01 0005 Mechanisms in the remodeling of lung structure - Mechanisms of elastase emphysema (hamsters)
- ** P01NS-05820-09 0002 Research center for cerebral vascular diseases - Hyperventilation on recovery from circulatory arrest (rats)
- R01NS-06563-08 Evaluation of some central and peripheral vestibular mechanisms (human, monkeys)
- P01NS-07253-06 0009 Center for clinical studies of head injuries - Respiratory function in intracranial pressure in head injuries (human, monkeys)
- R01NS-09514-02 Regional blood flow, acid-base energy metabolism in cerebral edema (cats)
- M01RR-00060-13 0058 General clinical research center - Ischemic S-T, T wave with forced hyperventilation (human)
- RESPIRATORY FUNCTION, HYPOVENTILATION (GENERAL)**
- R01HL-16653-01 Respiratory control and body temperature (turtles)
- RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION**
- M01HD-42817-00 Analysis of major cause of infant death syndrome (human)
- ** R01HL-13714-04 Respiratory control in patients with hypoventilation (human)
- RESPIRATORY FUNCTION, LIQUIDS BREATHING**
- SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, FLUOROCARBON
- R01HL-03532-17 Cardiovascular control and compensatory responses (human, dogs, monkeys)
- M P01HL-07896-13 Environmental biomedical research program
- ** P01HL-07896-13 0021 Environmental biomedical research program - Pulmonary mechanics, liquid breathing and gas exchange (human)
- ** R01HL-12419-06 Surgical cardiovascular problems (animals)
- ** R01HL-13847-04 Engineering studies of liquid breathing systems (dogs)
- ** R23HL-17154-01 Liquid ventilation in newborn with RDS (sheep)
- RESPIRATORY FUNCTION, PULMONARY DIFFUSION**
- SEE ALSO RESPIRATORY CIRCULATION, PULMONARY CIRCULATION
- R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
- P01GM-14892-07 0007 The traumatized patient - Pulmonary function (human)
- P01GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
- ** P01GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
- ** P01GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
- P01GM-21797-01 0007 The traumatized patient - Pulmonary function (human, dogs)
- ** R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
- R01HL-02001-20 Cardiopulmonary physiology (human, dogs)
- R01HL-02379-17 Pulmonary capillary bed in cardio-pulmonary disease (human)
- R01HL-04797-15 Pulmonary circulatory insufficiency (human, dogs, lambs)
- ** P01HL-06285-14 0165 Cardiovascular-respiratory physiology and biochemistry - Diffusing capacity of the lungs for oxygen (human)
- ** P01HL-06296-14 0002 Human adaptation to environmental and exercise stress - Pulmonary blood volume flow and diffusing capacity (human, animals)
- P01HL-07896-13 0009 Environmental biomedical research program - Decompression (human, rats, goats, fish)
- ** P01HL-10342-09 0014 Cardiovascular, pulmonary, and behavioral studies - Carbon dioxide transport (dogs)
- ** P01HL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
- ** P01HL-13737-04 0017 Assisted circulation - Effects of insensory cardiac assistance on pulmonary function (human)
- P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
- ** P17HL-14152-04 0006 Pulmonary specialized center of research - Lung adaptation and extracorporeal gas exchange (lambs)
- ** P17HL-14152-04 0015 Pulmonary specialized center of research - Sequence of lung emptying (human)
- ** P17HL-14179-04 0006 Center for the study of lung disease - Distribution of inspired gas in the lungs (human) (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
- P17HL-14187-04 0013 Center for lung research - Limit to oxygen transport imposed by chronic obstructive lung disease (human)
- P17HL-14201-04 0004 Pulmonary disease research center - Long term evaluation of infants who have survived IRDS (human)
- P17HL-14201-04 0014 Pulmonary disease research center - Early detection of emphysema (human, dogs)
- P17HL-14201-04 0020 Pulmonary disease research center - Pulmonary edema measurement with focused electrical impedance bridge (human)
- ** P01HL-14414-03 0001 Cardiorespiratory performance and environmental factors - Diffusing capacity of lung with artificial blood (rabbits)
- ** P01HL-14414-03 0002 Cardiorespiratory performance and environmental factors - CO₂ gradients with artificial blood (rabbits)
- ** P01HL-14414-03 0003 Cardiorespiratory performance and environmental factors - Gas diffusion and alveolar gas exchange (dogs, human)
- ** P01HL-14414-03 0012 Cardiorespiratory performance and environmental factors - Factors limiting gas exchange between tissues and blood (dogs)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- R01HL-14901-02 Experimental pulmonary transplantation (baboons)
- P17HL-15061-03 0004 Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
- P17HL-15063-03 0004 SCOR diffuse infiltrate ve lung disease - Computers in respiratory disease (human)
- P17HL-15092-03 0004 Occupational environmental pulmonary disease center - Pulmonary function industrial population unexposed to injurious inhalants
- P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
- P01HL-15194-02 0006 Pathophysiology of cardiopulmonary dysfunction - Influence of oxygenation, pH, diphosphoglycerate on carbon dioxide exchange
- R01HL-16154-01 Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human)
- ** R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- R01HL-16864-01 Change in alveolar permeability in pulmonary edema (dogs)
- ** R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
- M01HR-33002-03 Prototype pulmonary function analyzer
- R01NS-09991-03 Hypoxia and increased intracranial pressure
- RESPIRATORY FUNCTION, PULMONARY VENTILATION**
- R01AM-08311-10 Obesity and physiological response to environment (human)
- ** P01CA-08748-09 5529 Research program of Sloan-Kettering Institute - Clearance of tracers in radiation damaged lungs (dogs)
- P01GM-09069-12 0057 Research in anesthesiology - Respiratory function of newborn infants during mechanical ventilation (human)
- P01GM-09069-12 0098 Research in anesthesiology - Ventilator for newborn infants (human)
- P01GM-09069-12 0106 Research in anesthesiology - Ventilation-perfusion disturbances during hemorrhage
- P01GM-10548-12 0001 Nuclear instrumentation and chemistry in medicine - Systems analysis
- ** P01GM-14546-08 0038 Influence of acute illness and injury on energy - Ventilatory and breathing patterns in post-trauma and septic patients
- ** P01GM-14546-08 0052 Influence of acute illness and injury on energy - Ventilation-perfusion (human)
- P01GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
- P01GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
- P01GM-15571-06 0001 Anesthesia research-Program project - Control of respiration in hyperpnea of exercise (dogs, human)
- ** P01GM-15571-06 0053 Anesthesia research-Program project - Effect of chronic metabolic alkalosis and acidosis on ventilation and CSF HC0₃
- P01GM-15904-07 0013 Anesthesiology center for research and teaching - Acute respiratory insufficiency-Ventilation-perfusion ratio inequality
- P01GM-15904-07 0014 Anesthesiology center for research and teaching - Acute respiratory insufficiency-Ventilator pattern
- ** P01GM-15904-07 0017 Anesthesiology center for research and teaching - Acute respiratory insufficiency-Prolonged ventilation (human)
- P01GM-15904-07 0020 Anesthesiology center for research and teaching - Gas exchange in respiratory failure
- P01GM-15904-07 0022 Anesthesiology center for research and teaching - Physiologic response of man to hypoxia and hypercapnia
- M P01GM-15991-06 Anesthesia research center
- ** P01GM-15991-06 0006 Anesthesia research center - Chemical regulation of ventilation
- P01GM-15991-06 0007 Anesthesia research center - Tidal volumes in acute pulmonary edema (dogs)
- ** P01GM-15991-06 0048 Anesthesia research center - Pulmonary oxygen toxicity (monkeys, dogs, rats)
- ** P01GM-15991-06 0073 Anesthesia research center - Effects of ventilatory pattern on ventilation-perfusion in pulmonary edema (dogs)
- ** P01GM-15991-06 0098 Anesthesia research center - Effects of CPPV on the distribution of cardiac output in monkeys
- P01GM-16437-06 0001 Biomedical engineering program project - Cardiopulmonary systems (dogs, human)
- ** P01GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
- R01GM-21681-11 Circulation and fluid volumes in burns (rodents, cats, dogs, primates, human)
- P01HD-02274-08 0081 Mental retardation and child development - Initiation of breathing (sheep)
- R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
- ** R01HD-03639-06 Pathogenesis and mechanics of pulmonary hypoplasia (sheep)
- R01HD-04050-04 Effect of asphyxia on fetal lung fluid (lambs)
- R01HD-08297-01 Respiratory control in early life (human)
- ** R01HL-01782-19 0001 Cardiovascular and pulmonary problems - Collateral pulmonary ventilation (dogs)
- R01HL-01782-19 0003 Cardiovascular and pulmonary problems - Physiological changes associated with reimplantation of lung (dogs)
- R01HL-02379-17 Pulmonary capillary bed in cardiopulmonary disease (human)
- ** R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
- ** R01HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
- R01HL-03532-17 Cardiovascular control and compensatory responses (human, dogs, monkeys)
- R01HL-04032-21 Regulation of respiration at rest and during exercise (human, dogs, sheep)
- P01HL-05435-14 0030 Cardiovascular research and training program - Nuclear medicine (human, dogs)
- R01HL-05883-14 Reflex control of resistance and capacitance vessels
- P01HL-06285-14 0208 Cardiovascular-respiratory physiology and biochemistry - Composition, properties and turnover of pulmonary surfactant (human, animals)
- P01HL-06296-14 0002 Human adaptation to environmental and exercise stress - Pulmonary blood volume flow and diffusing capacity (human, animals)
- ** P01HL-06664-13 0025 Cardiopulmonary function in remediable vascular disease - Pulmonary blood flow, ventilation and lung function (human)
- ** P01HL-06664-13 0027 Cardiopulmonary function in remediable vascular disease - Factors controlling pulmonary perfusion in the reimplanted lung (dogs)
- P01HL-06664-13 0028 Cardiopulmonary function in remediable vascular disease - Management of patients with respiratory distress syndrome (human, lambs)
- ** P01HL-07896-13 0023 Environmental biomedical research program - Effects of hydrostatic pressure on ventilation (dogs)
- P01HL-07896-13 0024 Environmental biomedical research program - Gas exchange in man exposed to high oxygen tension
- P01HL-08805-10 0004 Cardiovascular and pulmonary performance - Adaptation to hypoxia (human, animals)
- ** P01HL-08805-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish-Estivation and submersion
- ** P01HL-08805-10 0018 Cardiovascular and pulmonary performance - Gas stores and ventilation in normal and obstructed breathing (goats, dogs, human)
- ** P01HL-08805-10 0019 Cardiovascular and pulmonary performance - Determinants of arterial chemoreceptor activity (human)
- ** P01HL-08805-10 0020 Cardiovascular and pulmonary performance - Ventilatory response to hypoxia with reflex control of circulation (human)
- ** P01HL-08805-10 0021 Cardiovascular and pulmonary performance - Chemical regulation of ventilation in patients with respiratory insufficiency
- ** P01HL-08805-10 0022 Cardiovascular and pulmonary performance - Relationships between cerebral blood flow and regulation of ventilation in goats
- ** P01HL-08805-10 0023 Cardiovascular and pulmonary performance - Performance criteria of the ventilatory control (human)
- P01HL-08805-10 0025 Cardiovascular and pulmonary performance - Pulmonary edema (dogs)
- ** P01HL-08805-10 0030 Cardiovascular and pulmonary performance - Brain energy metabolism limiting ventilatory response (goats)
- ** P01HL-08805-10 0032 Cardiovascular and pulmonary performance - Effect of anemia on ventilatory response to transient hypoxia (goats)
- P01HL-08899-10 0017 Oxygenation and oxygen effects in man - Pulmonary tolerance (human, dogs)
- P01HL-08899-10 0020 Oxygenation and oxygen effects in man - Oxygen tolerance (human, rats, guinea pigs)
- P01HL-08899-10 0025 Oxygenation and oxygen effects in man - Physiological and toxic effects of oxygen on cardiopulmonary gas transport (dogs)
- P01HL-09814-09 0038 Research program - Cardiovascular and related disease - Isuprel inhalation on lung function, respiration and smoking (human)
- ** R01HL-10009-09 Pulmonary blood flow distribution in man
- P01HL-10098-10 0022 Primates in cardiovascular research - Perinatal biology
- R01HL-10331-09 Carbon monoxide production and body CO stores (human, dogs)
- ** P01HL-10342-09 0008 Cardiovascular, pulmonary, and behavioral studies - Respiratory mechanics and pulmonary edema (human, dogs)
- ** P01HL-10342-09 0009 Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
- P01HL-10436-09 0005 Congenital heart disease - Pulmonary physiology in pediatric chest diseases
- ** P01HL-10539-09 0034 Pathophysiology of circulation - Ventilatory factors which limit heavy physical work (human)
- ** R01HL-11907-06 Mechanisms of physiological responses to exercise (human, dogs)
- R01HL-11978-06 Reflexes in regulation of respiration (cats)
- ** R01HL-12011-07 Regional lung expansion (human)
- ** R01HL-12090-07 Alveolar ventilation in anesthetized man
- ** R01HL-12174-07 Ventilation perfusion distribution in the lung (human, animals)
- R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
- ** R01HL-12530-06 Emphysema-Respiratory function in disease (human, dogs)
- R01HL-12564-05 Control of respiration and blood gases (human)
- ** R01HL-13687-04 Pulmonary ventilation, blood flow and gas exchange (human, dogs)
- P01HL-13737-04 0017 Assisted circulation - Effects of inseries cardiac assistance on pulmonary function (human)
- ** P01HL-13738-03 0006 Cardiac assist devices and artificial hearts - Pulmonary function after artificial heart implantation (animals)
- R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
- R01HL-13841-13 Respiration during altitude acclimatization (goats, human)
- R01HL-13921-03 Interaction between electrolytes and respiration (human, rats)
- R01HL-13932-04 Physiologic data acquisition from medical fluoroscopy (human, animals)
- P01HL-13979-04 0005 Cardio-pulmonary-renal program - Natural history of chronic pulmonary disease (human)
- P01HL-13979-04 0008 Cardio-pulmonary-renal program - Chronic obstructive pulmonary disease (dogs)
- P17HL-14136-04 0001 Obstructive lung diseases - Abnormalities of mechanics in GOLD (human, dogs)
- P17HL-14152-04 0005 Pulmonary specialized center of research - Fibrinopeptides in respiratory distress syndrome (human, rabbits)
- P17HL-14152-04 0007 Pulmonary specialized center of research - Adaptation of the lung to birth and the onset of respiration (lambs)
- P17HL-14152-04 0008 Pulmonary specialized center of research - Adaptation of the lung and gas exchange in the immature human lung (and monkeys)
- ** P17HL-14152-04 0009 Pulmonary specialized center of research - Patterns of artificial ventilation (human, dogs)
- ** P17HL-14152-04 0015 Pulmonary specialized center of research - Sequence of lung emphysema (human)
- P17HL-14169-04 0003 Pulmonary disease center - Pulmonary function and structure in chronic obstructive lung disease (dogs)
- P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
- P17HL-14179-04 0010 Center for the study of lung disease - Electrophonic respiration (human)
- P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
- P17HL-14179-04 0019 Center for the study of lung disease - Regional lung function
- ** P17HL-14187-04 0007 Center for lung research - New xenon 133 method for measurement of regional V/Q ratios (human)
- P17HL-14187-04 0013 Center for lung research - Limit to oxygen transport imposed by chronic obstructive lung disease (human)
- ** P17HL-14201-04 0017 Pulmonary disease research center - Sequential mechanical ventilation for respiratory failure (human)
- P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD

(contd)

*Excludes routine methodology OR covers only general projects which preclude including at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-14212-04 0001 Correlated studies of pulmonary disease 2 Clinical studies
- ** P17HL-14214-04 0018 Neonatal lung center - Ratio of pulmonary ventilation and perfusion in newborn lambs and humans
- ** R01HL-14278-03 Quantitation of CO2 inhibition in ventilatory control (human)
- ** P01HL-14414-03 0005 Cardiorespiratory performance and environmental factors - Estimation of ventilation-perfusion maldistribution (human)
- ** P01HL-14414-03 0006 Cardiorespiratory performance and environmental factors - Factors influencing gas flow at depth (human)
- R01HL-14493-02 Modern diagnostic approach to chronic lung diseases (human)
- ** P01HL-14580-03 0003 Program project in respiratory mechanics - Chest wall mechanics and mechanical factors in the control of breathing (human)
- ** P01HL-14580-03 0005 Program project in respiratory mechanics - Development and evaluation of tests of pulmonary function (human)
- R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
- R01HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
- ** R01HL-14735-02 Electromyography in the study of ventilatory control (dogs, human)
- R01HL-14854-02 Lung and tissue mechanics (mice, guinea pigs)
- ** R01HL-14967-03 Chemoreceptor function in dynamic ventilatory control (dogs, rabbits)
- M P01HL-14985-03 Adaptation to hypoxia
- ** P01HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
- ** R01HL-15038-03 Computer assisted study of CO2 control of ventilation (rats)
- P17HL-15061-03 0013 Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)
- ** P17HL-15088-03 0001 Diffuse granulomatous and fibrotic pulmonary disease - Effect on the alveolar-arterial oxygen difference (dogs)
- P17HL-15098-03 0011 Special center of research - Environmental lung disease - V/O component to alveolar-arterial oxygen tension difference model (human)
- P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
- M P01HL-15194-02 Pathophysiology of cardiopulmonary dysfunction
- ** P01HL-15194-02 0010 Pathophysiology of cardiopulmonary dysfunction - Ventilation-perfusion ratios measurements of elimination of inert gases
- ** P01HL-15194-02 0011 Pathophysiology of cardiopulmonary dysfunction - Alveoli with low ventilation perfusion ratios from pulmonary arteriovenous shunt
- ** P01HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
- ** R01HL-15311-02 Development of Hering-Breuer reflexes (opossum)
- R01HL-15432-02 Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs)
- ** R01HL-15469-01 Human ventilatory adaptation to moderate hypoxemia
- ** R01HL-15473-01 Chemoreceptors and ventilatory control (horses)
- R01HL-15593-02 0001 Prolonged extracorporeal cardiopulmonary support - Clinical prolonged extracorporeal circulation (human)
- R01HL-15593-02 0003 Prolonged extracorporeal cardiopulmonary support - Extracorporeal circulation in infants (sheep, human)
- ** R01HL-15605-01 Site of airway obstruction and control of ventilation (dogs)
- R01HL-15694-01 Pulmonary vascular and left atrial baroreflexes (dogs)
- ** R01HL-16022-01 Determinants of the ventilatory response to hypoxia (goats, cats)
- R01HL-16031-01 The lung lining layer - Synthesis and secretion (rats)
- ** R01HL-16034-01 Optimal estimation of lung distribution functions (human)
- R01HL-16066-01 Studies on the chemoreceptor reflex (dogs)
- ** R01HL-16239-01 Carotid body control of ventilation (cats)
- R01HL-16256-01 Respiratory mechanics in hemodynamics pulmonary edema (dogs)
- R01HL-16325-01 Breathing patterns in man
- R01HL-16390-01 Cardiopulmonary control coupling in exercise (dogs)
- ** R01HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
- R01HL-16604-01 Function of pulmonary chemosensitivity (chickens, ducks)
- R01HL-16653-01 Respiratory control and body temperature (turtles)
- ** R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- ** R01HL-16925-01 Central chemical control of ventilation (dogs)
- ** R23HL-17105-01 Noninvasive determination of airway mixing (human)
- R23HL-17154-01 Liquid ventilation in newborn with RDS (sheep)
- ** R01HL-17689-02 Neurophysiologic studies of respiratory control (cats)
- ** P01NS-07253-06 0009 Center for clinical studies of head injuries - Respiratory function in intracranial pressure in head injuries (human, monkeys)
- R01NS-09991-03 Hypoxia and increased intracranial pressure
- R01NS-11458-01 Neurophysiologic studies of respiratory control (mammals)
- R01OH-00308-18 Evaluation of stresses of exposure to heat in humans
- ** P07RR-00007-11 0327 Computer processing in biomedical systems - Parenchymal distortion
- ** M01RR-00030-13 0028 General clinical research center - Ventilation of human lungs with liquid
- ** M01RR-00046-14 0005 General clinical research center - Breathing and ventilatory response to oxygen and carbon dioxide (human)
- ** M01RR-00047-14 0088 General clinical research center - Interaction between electrolytes and respiration (human)
- M01RR-00059-13 0095 General clinical research center - Effect of catecholamines on ventilation in carotid body chemodectomas (human)
- ** M01RR-00210-10 0006 General clinical research center - Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
- ** M01RR-00585-03 0018 General clinical research center - Alveolar ventilation in anesthetized man
- M01RR-00633-02 0033 General clinical research center - Factors affecting exercise in pulmonary disease (human)

RESPIRATORY FUNCTION, RESPIRATION

SEE ALSO RESPIRATORY SYSTEM, COLLATERAL RESPIRATION
SEE ALSO RESPIRATORY SYSTEM REFLEXES

- R01AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
- R01DA-00393-03 Biological effects of antibodies against morphine (human, cattle, mice, rabbits)
- ** P10ES-00260-12 0010 Research in the environmental health sciences - Respiratory tract particle deposition and bronchial clearance (human, donkeys)
- ** P01ES-00354-07 0002 Human responses to thermal environment - Regulation of circulation, respiration and body temperature (human, rabbits)
- R01ES-01108-01 Effects of SO2 and respirable particulates on health
- R01GM-06245-15 Chemistry of Krebs cycle enzymes (swine)
- P01GM-09069-12 0059 Research in anesthesiology - Respiratory movements in fetus (human)
- P01GM-09069-12 0065 Research in anesthesiology - Respiratory components of thermoregulatory activity (dogs)
- ** P01GM-15571-06 0046 Anesthesia research - Program project - Neural regulation (cats, rabbits)
- P01GM-15768-06 0001 Sequence of organ failures following trauma - Basic laboratory investigation (mammals nonhuman, human)
- R01GM-16462-11 Automatic collection and analysis of data during shock (human)
- ** P01GM-16934-06 0013 Sulfonamides and carbonic anhydrase - Basis for therapy - Respiratory effects and carbonic anhydrase inhibition (human)
- P01GM-16934-06 0016 Sulfonamides and carbonic anhydrase - Basis for therapy - Rate of transport of NaCl and HCO3 from plasma to cerebrospinal fluid (cats)
- P01GM-19599-02 0011 Surveillance and predictive diagnosis in surgical patients - Computer software and hardware
- ** R01GM-19807-02 0010 Membrane permeability as a regulatory element - Control of respiratory development in slices (plants)
- ** R01GM-19807-02 0011 Membrane permeability as a regulatory element - Phytochrome involvement in respiratory development (plants)
- ** R01GM-19807-02 0012 Membrane permeability as a regulatory element - Respiratory development and depression (plants)
- R01GM-19807-02 0014 Membrane permeability as a regulatory element - Kinetics and basics of mitochondrial conditioning (plants)
- ** R01GM-19807-02 0015 Membrane permeability as a regulatory element - Conditioning and activation energies of respiratory oxidations
- R01GM-19807-02 0017 Membrane permeability as a regulatory element - Substrate metabolism
- R01GM-19807-02 0018 Membrane permeability as a regulatory element - NADH oxidation by potato mitochondria
- ** P01HD-02274-08 0081 Mental retardation and child development - Initiation of breathing (sheep)
- ** P01HD-02274-08 0083 Mental retardation and child development - Sudden infant death (rats)
- P01HD-02274-08 0092 Mental retardation and child development - The mother (human, mammals)
- ** P01HD-02274-08 0098 Mental retardation and child development - Cardiopulmonary adaptation to birth (sheep)
- R01HD-06413-01 Preterm infant biorhythms - Interaction and development (human)
- ** R01HD-08025-01 Exercise hemodynamics and respiration in pregnancy (human, goats)

- ** R01HL-02228-19 Water metabolism, temperature regulation, and exercise (animals)
- ** R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
- ** R01HL-04032-21 Regulation of respiration at rest and during exercise (human, dogs, sheep)
- ** P01HL-06285-14 0166 Cardiovascular-respiratory physiology and biochemistry - Pattern of respiration on alveolar oxygen tension (human)
- ** P01HL-06285-14 0167 Cardiovascular-respiratory physiology and biochemistry - Pulmonary capillary blood flow (human)
- ** P01HL-06285-14 0181 Cardiovascular-respiratory physiology and biochemistry - Regulation of respiration - Role of vagus nerves (dogs)
- ** P01HL-06285-14 0191 Cardiovascular-respiratory physiology and biochemistry - Control of respiration in early life (human)
- ** P01HL-06664-13 0029 Cardiopulmonary function in remediable vascular disease - Central chemical control of respiration (dogs)
- R01HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
- ** P01HL-07896-13 0014 Environmental biomedical research program - Respiration and atmospheric pressure (mammals)
- ** P01HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
- ** P01HL-08899-10 0015 Oxygenation and oxygen effects in man - Respiratory adaptations to increases in breathing (human)
- ** P01HL-08899-10 0020 Oxygenation and oxygen effects in man - Oxygen tolerance (human, rats, guinea pigs)
- ** P01HL-11678-07 0009 Cardiovascular dynamics and their control - Control of respiration
- ** R01HL-11978-06 Reflexes in regulation of respiration (cats)
- ** R01HL-12564-05 Control of respiration and blood gases (human)
- R01HL-13134-04 Mechanism of chemoreceptor discharge (cats)
- R01HL-13187-05 0008 Central neural control of cardiovascular function - Central organization of cardiac vagal reflex pathway (cats)
- ** R01HL-13233-05 Regulation of respiration in exercise (human)
- ** R01HL-13841-13 Respiration during altitude acclimatization (goats, human)
- ** R01HL-13888-12 Regulation of respiratory activity (human, dogs)
- ** R01HL-13921-03 Interaction between electrolytes and respiration (human, rats)
- ** P17HL-14152-04 0007 Pulmonary specialized center of research - Adaptation of the lung to birth and the onset of respiration (lambs)
- P17HL-14179-04 0010 Center for the study of lung disease - Electrophrenic respiration (human)
- P17HL-14201-04 0004 Pulmonary disease research center - Long term evaluation of infants who have survived IRDS (human)
- ** P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
- ** R01HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
- ** P01HL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
- ** R01HL-14870-03 Dynamics of oxygen and carbon dioxide regulation (chickens)
- ** P01HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
- R01HL-15526-01 Respiratory mechanics in children
- ** R01HL-15659-01 Dynamic isolation studies of control of respiration (human, computer models)
- ** R01HL-16325-01 Breathing patterns in man
- ** R23HL-17098-01 Quantitative pulmonary responses to exercise (human)
- R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
- ** R23HL-17172-01 Ventilatory control and sleep in the primate (monkeys)
- ** R01HL-17689-02 Neurophysiologic studies of respiratory control (cats)
- R01HM-19152-04 Cognitive control of pain
- R01NS-04456-12 Chemosensors of the nervous system (cats)
- P01NS-06779-06 0005 Cerebrovascular clinical research center - Vasomotor mechanisms and neural control of CV function (cats, dogs, human)
- P01NS-06779-06 0013 Cerebrovascular clinical research center - Monitoring and screening cardiorespiratory interaction (human)
- M P01NS-07253-06 Center for clinical studies of head injuries
- ** R01NS-07710-06 Sensory and motor aspects of respiration (cats)
- R01NS-08869-04 Physiology of the central nervous system (Limulus)
- ** R01NS-09656-04 Speech breathing mechanics (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R02NU-00473-02 Evaluation of dry surface electrodes (human)
 M01RR-00036-14 0117 General clinical research center - Cardiorespiratory function in sleeping stroke patient
 ** M01RR-00046-14 0005 General clinical research center - Breathing and ventilatory response to oxygen and carbon dioxide (human)
 ** M01RR-00056-13 0070 General Clinical Research Center - Normal splitting of the second heart sound during quiet respiration (human)
 ** M01RR-00400-06 0040 General clinical research center - adult - Respiratory regulation in patients with altered sensitivity to CO₂ and O₂ (human)

RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES

- P01AI-11759-01 0010 Clinical and laboratory studies relating to lung disease - Evaluation of tests for early airflow obstruction (human)
 P01GM-15904-07 0016 Anesthesiology center for research and teaching - Acute respiratory insufficiency-Airway and airspace closure (human)
 P01GM-15991-06 0007 Anesthesia research center - Tidal volumes in acute pulmonary edema (dogs)
 P01GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
 P01GM-19599-02 0002 Surveillance and predictive diagnosis in surgical patients - Work of breathing team (dogs, human)
 ** R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
 M01HD-42868-01 Histological development of upper airway receptors in fetal and neonatal sheep
 M01HD-42870-01 Infant primate upper airway-Anatomy and physiology
 R01HL-08789-08 Respiratory muscles and ventilatory mechanics in man
 P01HL-08899-10 0015 Oxygenation and oxygen effects in man - Respiratory adaptations to increases in breathing (human)
 P01HL-10342-09 0008 Cardiovascular, pulmonary, and behavioral studies - Respiratory mechanics and pulmonary edema (human, dogs)
 R01HL-12980-05 Flow in collapsible tubes and airway compression
 R01HL-13419-08 Correlation of pre- and postmortem function (human)
 ** P17HL-14152-04 0019 Pulmonary specialized center of research - Flow limiting segment in obstructive airway disease (human, dogs)
 P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
 ** P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
 ** P17HL-14251-04 0008 Pathophysiology and management of respiratory insufficiency - Evaluation of peak acceleration (human)
 P01HL-14414-03 0006 Cardiorespiratory performance and environmental factors - Factors influencing gas flow at depth (human)
 P01HL-14580-03 0002 Program project in respiratory mechanics - Airway aerodynamics (human)
 ** R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
 ** R01HL-14854-02 Lung and tissue mechanics (mice, guinea pigs)
 P17HL-15061-03 0004 Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
 P17HL-15061-03 0014 Response of lung to injury - Safe limits for elevated inspired oxygen concentrations in infants and children
 ** P17HL-15063-03 0010 SCOR diffuse infiltrate ve lung disease - Conditioning of respiratory resistance (human)
 P17HL-15063-03 0012 SCOR diffuse infiltrate ve lung disease - Autonomic regulation of the tracheobronchial tree (human)
 P17HL-15098-03 0009 Special center of research-Environmental lung disease - Mechanical response of respiratory system to air pollutants (human, monkeys)
 ** P17HL-15098-03 0010 Special center of research-Environmental lung disease - Analytical models to determine mechanical parameters (human)
 R01HL-16256-01 Respiratory mechanics in hemodynamics pulmonary edema (dogs)
 R01HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
 ** R01HL-16726-01 Resistance and impedance of the respiratory system (human, dogs)
 R01HL-16942-01 Hyperthyroidism and lung structure and function (rats, rabbits)
 ** R23HL-17103-01 Control of active expiration (cats)
 R23HL-17119-01 Flow in collapsible model alveolar capillary networks
 R23HL-17182-01 Site of airway obstruction reversed by deep inspiration (human)
 ** P01NS-06459-09 0055 Communication sciences - Control of articulation and phonation during speech (human)

- P01NS-07366-07 0014 Head injury clinical center research program - Pathogenesis of respiratory failure after head trauma (human)
 R01OH-00340-05 0003 Respiratory effects of inhaled gases and aerosols - Acute effects of ozone on cat's lungs-Functional
 R01OH-00340-05 0004 Respiratory effects of inhaled gases and aerosols - Ozone and elasticity of rabbits lung
 R01OH-00340-05 0007 Respiratory effects of inhaled gases and aerosols - Acute effects of ozone on cat's lungs-Structural

RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME

- P01AI-11759-01 0010 Clinical and laboratory studies relating to lung disease - Evaluation of tests for early airflow obstruction (human)
 R01ES-01049-01 Effect of ozone on lung growth and development (rabbits)
 ** P01GM-15991-06 0007 Anesthesiology research center - Tidal volumes in acute pulmonary edema (dogs)
 ** R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
 R01HD-07826-01 Respiratory loading in sudden infant death (human)
 R01HL-02379-17 Pulmonary capillary bed in cardio-pulmonary disease (human)
 ** P01HL-06296-14 0002 Human adaptation to environmental and exercise stress - Pulmonary blood volume flow and diffusing capacity (human, animals)
 ** R01HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
 P01HL-10342-09 0007 Cardiovascular, pulmonary, and behavioral studies - Mueller maneuver, changes in lung volume to evaluate ventricular function (human)
 P01HL-10342-09 0008 Cardiovascular, pulmonary, and behavioral studies - Respiratory mechanics and pulmonary edema (human, dogs)
 P01HL-10342-09 0009 Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
 R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
 ** R01HL-12011-07 Regional lung expansion (human)
 R01HL-12090-07 Alveolar ventilation in anesthetized man
 R01HL-12980-05 Flow in collapsible tubes and airway compression
 R01HL-13233-05 Regulation of respiration in exercise (human)
 R01HL-13419-08 Correlation of pre- and postmortem function (human)
 P17HL-14136-04 0004 Obstructive lung diseases - Pathophysiological correlations in GOLD (human)
 ** P17HL-14152-04 0015 Pulmonary specialized center of research - Sequence of lung emptying (human)
 P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
 P17HL-14169-04 0006 Pulmonary disease center - Biochemical and clinical studies relating to the ARD syndrome (human)
 P17HL-14201-04 0002 Pulmonary disease research center - Therapy of IRDS with continuous positive airway pressure (human, infants)
 P17HL-14201-04 0003 Pulmonary disease research center - Factors influencing pulmonary blood flow in infants (human)
 P01HL-14580-03 0003 Program project in respiratory mechanics - Chest wall mechanics and mechanical factors in the control of breathing (human)
 R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
 ** R01HL-14854-02 Lung and tissue mechanics (mice, guinea pigs)
 ** R01HL-14967-03 Chemoreceptor function in dynamic ventilatory control (dogs, rabbits)
 P17HL-15061-03 0014 Response of lung to injury - Safe limits for elevated inspired oxygen concentrations in infants and children
 P17HL-15092-03 0004 Occupational environmental pulmonary disease center - Pulmonary function industrial population unexposed to injurious inhalants
 P17HL-15098-03 0009 Special center of research-Environmental lung disease - Mechanical response of respiratory system to air pollutants (human, monkeys)
 ** P17HL-15098-03 0010 Special center of research-Environmental lung disease - Analytical models to determine mechanical parameters (human)
 P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
 ** P01HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
 ** R01HL-16034-01 Optimal estimation of lung distribution functions (human)
 R01HL-16256-01 Respiratory mechanics in hemodynamics pulmonary edema (dogs)
 R01HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
 ** R01HL-16726-01 Resistance and impedance of the respiratory system (human, dogs)

- ** R01HL-16784-01 Lung tissue and water volume (human, dogs)
 R01HL-16942-01 Hyperthyroidism and lung structure and function (rats, rabbits)
 ** R23HL-17103-01 Control of active expiration (cats)
 R23HL-17111-01 Effect of PEEP on formation of pulmonary edema (dogs)
 ** R23HL-17182-01 Site of airway obstruction reversed by deep inspiration (human)
 R01HL-17689-02 Neurophysiologic studies of respiratory control (cats)
 ** N01HR-32900-02 Pilot study to standardize the measurement of 'closing volume' (human)
 ** N01HR-32902-01 Pilot study to standardize the measurement of 'closing volume' (human)
 ** N01HR-32903-02 Pilot study to standardize the measurement of 'closing volume' (human)
 P01NS-07366-07 0014 Head injury clinical center research program - Pathogenesis of respiratory failure after head trauma (human)
 P01NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
 R01NS-11458-01 Neurophysiologic studies of respiratory control (mammals)
 R01OH-00340-05 0003 Respiratory effects of inhaled gases and aerosols - Acute effects of ozone on cat's lungs-Functional
 R01OH-00340-05 0007 Respiratory effects of inhaled gases and aerosols - Acute effects of ozone on cat's lungs-Structural

RESPIRATORY FUNCTION, VALSALVA'S MANEUVER

- R01HL-04797-15 Pulmonary circulatory insufficiency (human, dogs, lambs)
 ** P01HL-08886-11 0020 Radiology-physiology cardiovascular research - Breath-holding time in air and underwater (human)
 R01OH-00396-02 Aerosol deposition in human subjects

RESPIRATORY GAS ANALYZERS*

- P01ES-00454-06 0022 Biological effects of environmental agents - Effect of CO and hypoxic hypoxia on cerebral and cephalic blood flow (dogs)
 ** P01GM-09069-12 0015 Research in anesthesiology - On-line pulmonary gas exchange
 P01GM-10402-12 0027 Zoophysiology in Alaska - Real time laboratory processing (animals)
 P01GM-14267-09 0003 Microelectronics laboratory for biomedical science - Medical transducers
 P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
 P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
 ** P01HD-02147-08 0012 Extracorporeal growth and development - Bilirubin production in infancy (dogs, human)
 ** R01HL-15668-02 0003 Extracorporeal respiratory gas exchange-New approach - Long term continuous in vivo blood gas analysis (dogs)
 R01HL-16898-01 Biofeasibility of total prosthetic lung replacement (dogs, sheep)
 ** P01HS-01053-03 0009 Automated health services - On-line computerized blood analysis (human)
 P01HS-01053-03 0010 Automated health services - Voice response system
 ** P07RR-00012-12 0075 Computer facility for medical community - Automated analysis of blood gases

RESPIRATORY GAS ANALYZERS, OXIMETRY*

- ** R01EY-01261-01 0005 Image processing for clinical ophthalmology - Oximetry of peripheral retinal blood in sickle cell retinopathy (human)
 P01GM-09069-12 0012 Research in anesthesiology - Non-invasive flowmeter (dogs)
 ** R01HD-08537-01 Biinstrumentation for neonatal critical care (human, dogs)
 ** P01HL-07293-13 0031 Cardiovascular instrumentation research and development - Development of catheter tip fiberoptic oximeter (mammals)
 ** P01HL-07293-13 0035 Cardiovascular instrumentation research and development - Multifunctional fiberoptic catheter
 R01HL-14740-03 Computer based on-line measurement for intensive care (human, mammals, nonhuman)
 P01NS-07463-04 0001 Cerebrovascular research center - Computerized monitoring in cerebrovascular disease (human)

RESPIRATORY GAS ANALYZERS, RADIORESPIROMETRY*

- R01HL-14978-02 Granulocyte function and metabolism in uremia (human, dogs)

RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION

- SEE ALSO RESPIRATORY GAS LEVELS, HYPOXIA, OXYGEN DEBT
 R01AI-02753-15 Genetics and reproductive biology of *Aedes* mosquitoes

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- RO1AI-09957-04 Ontogeny of endotoxin pyrogenicity (guinea pigs)
- RO1AI-10517-01 Biosynthesis of carotenes in mycobacteria
- RO1AI-10727-02 Metabolic interactions between S typhi and polymorphonuclear leukocytes (human)
- RO1AI-10732-03 Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
- RO1AM-01506-17 Effect of thyroxine on mitochondria (rats)
- RO1AM-11748-07 0003 Regulation of metabolic processes - Effects of adenosine on liver metabolism (rats)
- RO1AM-13953-04 Correlation of ion transport with metabolism (turtles)
- RO1AM-14401-04 Metabolism and function of the perfused rat kidney
- RO1AM-14990-03 Sugar and electrolyte absorption in intestine (rabbits)
- RO1AM-15175-05 Water and electrolyte transport in the bladder (toads)
- ** RO1AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- RO1AM-15791-02 Preservation and regeneration of isolated kidneys (dogs)
- R22AM-15970-02 Malnutrition and host defense-Leukocyte function (rats, human)
- RO1AM-16233-03 Mechanism of gastric acid secretion (dogs)
- RO1AM-16703-01 Heat acclimation in Macaca mulatta
- RO1AM-16775-02 Sources of energy for renal sodium transport (rats)
- RO1AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks
- RO1AM-17315-01 Conductance pathways in acute gastroduodenal injury (Necturus)
- ** PO1AM-17387-01 0011 Physiology and pathophysiology of kidney function - Relations between sodium reabsorption and oxygen consumption
- PO2CA-12197-03 0026 Multidisciplinary oncology research center - Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
- PO1CA-15936-01 0006 Specialized Cancer Center - Kinetics (human)
- RO1EY-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
- RO1EY-00625-03 Electron microscopy of stored and preserved corneas (human, rabbits)
- PO1GM-09069-12 0001 Research in anesthesiology - Respiratory distress syndrome in newborn lambs
- PO1GM-09069-12 0067 Research in anesthesiology - Cardiopulmonary bypass (human)
- ** PO1GM-09069-12 0102 Research in anesthesiology - Oxygen consumption during cardiopulmonary bypass
- PO1GM-09069-12 0103 Research in anesthesiology - Anesthesia and Qs/Qt (dogs)
- ** PO1GM-09069-12 0105 Research in anesthesiology - Oxygen consumption and arterial oxygenation (dogs)
- PO1GM-09069-12 0106 Research in anesthesiology - Ventilation-perfusion disturbances during hemorrhage
- PO1GM-10402-12 0013 Zoophysiology in Alaska - Energy balance in small mammals (rodents)
- PO1GM-10402-12 0022 Zoophysiology in Alaska - Free fatty acid in acute cold exposure (human)
- ** PO1GM-14546-08 0048 Influence of acute illness and injury on energy - Injury and sepsis-Specific dynamic action (human)
- PO1GM-14546-08 0051 Influence of acute illness and injury on energy - Circulation in sepsis (human)
- ** P11GM-15477-08 0058 Drug metabolism and biochemical pharmacology - Oxygen requirements of the microsomal drug metabolizing system (human)
- ** P11GM-15477-08 0060 Drug metabolism and biochemical pharmacology - Oxygen requirement for hexobarbital metabolism (rats)
- PO1GM-15991-06 0095 Anesthesia research center - Anesthesia and anesthetic agents and phagocytosis and antigen processing (human)
- PO1GM-16593-06 0017 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the tad bladder
- RO1GM-16714-06 Homeostasis in mammalian hibernation (hamsters, ground squirrels)
- RO1GM-19398-01 Fungal spore germination and mitochondrial biogenesis
- RO1GM-19716-01 Thermoregulation (chickens)
- RO1GM-20630-02 New concepts in parenteral protein sparing therapy (rats, dogs, swine)
- RO1HD-00462-19 Physiology of the placenta (human)
- PO1HD-00781-11 0001 Studies on prematurity - Urea production in fetus (sheep)
- PO1HD-00781-11 0003 Studies on prematurity - Normal metabolic rate of the fetus (sheep)
- ** PO1HD-00781-11 0004 Studies on prematurity - Fetal cerebral metabolism (sheep)
- PO1HD-00781-11 0007 Studies on prematurity - Utilization of oxygen glucose and amino acids by the fetus (sheep, monkeys, huma)
- RO1HD-01866-09 Physiological study of the placenta (sheep)
- RO1HD-03279-09 Nutritional and biochemical basis of activity (chickens, rodents)
- ** RO1HD-05659-04 0001 Fetal growth and development - Oxygen consumption of the uterus and fetal growth rate (sheep)
- RO1HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
- RO1HD-06637-03 Maternal anemia, placental circulation, and fetal growth (sheep)
- RO1HD-06775-03 Hypoxia, metabolism, and neonatal thermoregulation (dogs)
- RO1HD-06894-02 Study of NBT test in selected childhood disorders
- RO1HD-07135-02 Pathophysiology of tissue oxygen transport (sheep)
- RO1HD-07681-01 Fetal cardiovascular response to asphyxia (sheep)
- RO1HD-08025-01 Exercise hemodynamics and respiration in pregnancy (human, goats)
- ** RO1HD-08124-01 Blood substitute and circulation (sheep)
- RO1HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- RO1HL-02001-20 Cardiopulmonary physiology (human, dogs)
- RO1HL-03181-17 0025 Hemodynamics as applied to surgical problems - Effects of vasodilators in vascular stenosis (dogs)
- RO1HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
- ** RO1HL-03444-16 0001 Alterations of arterial tissue in atherosclerosis - Oxidative capacity of succinic oxidase and cytochrome oxidase and cytochrome cxi
- ** RO1HL-03444-16 0003 Alterations of arterial tissue in atherosclerosis - Oxidative capacity of arterial tissue in experimental atherosclerosis (rabbits, d)
- RO1HL-05806-14 Analysis of antiarrhythmic agents (dogs, rabbits)
- ** PO1HL-06285-14 0134 Cardiovascular-respiratory physiology and biochemistry - Placental transfer in growth retarded fetuses (lambs)
- PO1HL-06285-14 0141 Cardiovascular-respiratory physiology and biochemistry - Subendocardial ischemia in children with aortic and pulmonary stenosis
- PO1HL-06285-14 0159 Cardiovascular-respiratory physiology and biochemistry - Heart rate and coronary blood flow in congestive heart failure (human)
- RO1HL-08659-11 Myocardial performance and metabolism in the newborn (sheep)
- PO1HL-08805-10 0031 Cardiovascular and pulmonary performance - Impairment of oxygen delivery on aerobic metabolism of brain and skeletal muscle
- RO1HL-09676-09 Thermal regulation during water immersion of man
- PO1HL-10098-10 0022 Primates in cardiovascular research - Perinatal biology
- RO1HL-10182-09 Circulatory function and electrolyte metabolism (human, primates, dogs)
- PO1HL-10342-09 0001 Cardiovascular, pulmonary, and behavioral studies - Effect of CO and hypoxic hypoxia on hepatic drug metabolism (human, rats)
- PO1HL-10342-09 0003 Cardiovascular, pulmonary, and behavioral studies - Effects of hypoxic hypoxia and carbon monoxide hypoxia on the heart (dogs)
- PO1HL-10436-09 0004 Congenital heart disease - Myocardial performance and metabolism in hearts of small animals
- ** PO1HL-10539-09 0020 Pathophysiology of circulation - Oxygen cost of rowing (athletes)
- ** PO1HL-10539-09 0021 Pathophysiology of circulation - Endurance time and maximal oxygen uptake (athletes)
- PO1HL-10539-09 0022 Pathophysiology of circulation - Simulation of exercise (dogs)
- PO1HL-10539-09 0023 Pathophysiology of circulation - Meditative states and their application to disease states (human)
- PO1HL-10539-09 0025 Pathophysiology of circulation - Cardiovascular effects of magnesium deficiency (hamster)
- PO1HL-10539-09 0036 Pathophysiology of circulation - Effects of quinidine and propranolol on ventricular arrhythmias (human)
- ** PO1HL-11310-08 0022 Mechanisms of cardiovascular disease - Organ subsystem function after intracardiac surgery-Oxygen consumption (human)
- RO1HL-11533-07 Splanchnic hemodynamics in man
- RO1HL-11884-05 Work function after myocardial infarction (human)
- RO1HL-11901-07 0010 Ileal bypass effect on cholesterol and atherosclerosis - Isolated heart rabbit study
- ** RO1HL-13443-03 Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits)
- ** PO1HL-13517-04 0001 Circulatory performance and prediction - Exercise and ECG cardiovascular mechanisms of anaerobic impairment (human)
- ** PO1HL-13517-04 0012 Circulatory performance and prediction - Pressure, cardiac output, and oxygen saturation by fiberoptics (human, animals)
- PO1HL-13738-03 0006 Cardiac assist devices and artificial hearts - Pulmonary function after artificial heart implantation (animals)
- P17HL-01450-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (mokeys)
- P17HL-14187-04 0013 Center for lung research - Limit to oxygen transport imposed by chronic obstructive lung disease (human)
- P17HL-14197-04 0004 Center of research on arteriosclerosis - Aortic wall metabolism and experimental atherosclerosis (dogs, swine)
- P17HL-14201-04 0003 Pulmonary disease research center - Factors influencing pulmonary blood flow in infants (human)
- RO1HL-14292-02 Intrinsic control of cardiac performance (cats)
- PO1HL-14388-03 0028 Regulation of the circulation in pathological states - Vasoconstrictor responses of collateral vessels in man
- ** PO1HL-14388-03 0032 Regulation of the circulation in pathological states - Oxygen consumption of vascular segments, response to adrenergic stimuli (animals)
- RO1HL-14516-03 Dynamics of metabolic control of muscle blood flow (dogs)
- RO1HL-14644-03 Optimization diastolic augmentation and systolic sink (dogs)
- RO1HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
- PO1HL-14780-02 0002 Mechanisms and treatment of cardiovascular diseases - Peripheral circulation in health and disease-Regional blood flow (human)
- ** RO1HL-14806-15 Regulation of oxygen use by mammalian skeletal muscle (dogs)
- RO1HL-14828-03 Cardiac adaptation to physical training (dogs)
- ** P17HL-15088-03 0006 Diffuse granulomatous and fibrotic pulmonary disease - Oxygen tension and oxygen utilization in tissues from diseased lungs (dogs)
- P17HL-15088-03 0007 Diffuse granulomatous and fibrotic pulmonary disease - Performance of the diaphragm in diffuse pulmonary granulomatous disease (dogs)
- RO1HL-15432-02 Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs)
- RO1HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
- RO1HL-15664-02 Function and metabolism of the heart in uremia (rats, guinea pigs)
- RO1HL-15738-02 Subendocardial necrosis during cardiopulmonary bypass (dogs)
- ** RO1HL-16134-01 New technique for regional oxygen consumption of heart (dogs, mini-pigs)
- RO1HL-16292-01 0012 Surgery and non-obstructive coronary insufficiency - Coronary hemodynamics-metabolism during cardiopulmonary bypass (human)
- ** RO1HL-16494-01 Oxygen uptake, RQ, and airflow in respirator patients
- RO1HL-16616-01 Physiology of perfusion hypothermia in newborn (human, lambs, dogs, monkeys)
- RO1HL-16653-01 Respiratory control and body temperature (turtles)
- RO1HL-16760-01 Dynamic control of coronary blood flow (dogs)
- ** RO1MH-07995-11 0005 Heart rate conditioning - Relationship between heart rate and somatic activity during conditioning (cats)
- ** RO1MH-23133-02 Oxygen consumption and the effects of behavioral stress (baboon)
- RO1NS-05961-09 Metabolism of the brain (dogs)
- PO1NS-07366-07 0013 Head injury clinical center research program - Cerebral blood flow and metabolism in acute head injury (human)
- PO1NS-07377-05 0006 Clinical head injury research - Physiology of concussion (rats)
- RO1NS-08106-06 Human brain sterols in aging and disease (and rats)
- PO1NS-08802-05 0008 Cerebrovascular disease research center - Experimental cerebral infarction (cats, monkeys)
- ** RO1NS-09960-03 Biophysics of muscular exercise (human)
- PO1NS-10939-02 0005 Cerebral blood flow and metabolism in stroke and shock - Diphosphoglycerate and hemoglobin-oxygen affinity on cerebral oxygenation
- RO1NS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)
- RO1NS-11619-01 Respiratory energy metabolism in brain explants (rats)
- RO1NS-11704-01 Thermoregulatory and osmoregulatory responses (fish, reptiles, birds, dogs)
- RO1OH-00308-18 Evaluation of stresses of exposure to heat in humans
- MO1RR-00037-14 0079 General clinical research center - Cardiac output and metabolic changes during exercise (human)
- ** MO1RR-00076-12 0073 General clinical research center - Oxygen consumption during wakeful, hypometabolic state (human)
- MO1RR-00350-08 0104 General clinical research center - Cerebral blood flow and metabolism in cerebrovascular disease (human)
- MO1RR-00633-02 0025 General clinical research center - Effects of treatment on exercise tolerance in hyperlipoproteinemia (human)
- PO6RR-00640-03 0002 Nutritionally defined gnotobiota development and use - Function and metabolism of germ free rodent (and dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

RESPIRATORY GAS FIXATION, CARBON DIOXIDE FIXATION

- RO1AM-0982-09 Acid-base balance regulation of renal metabolism (dogs)
 RO1AM-12913-06 Biochemistry of vitamin B12-factors (bacteria)
 RO1AM-14574-05 Apocarbonylase activation by d-biotin (human, chickens, cattle, E coli)
 ** RO1AM-14575-05 Phosphoenolpyruvate carboxylases
 RO1ES-00654-01 Photoreaction and herbicide metabolism
 ** RO1GM-11839-11 Utilization of CO₂ and the total synthesis of acetate (bacteria)

RESPIRATORY GAS LEVELS

SEE ALSO ENVIRONMENTAL CHAMBER CONTROLLED, HYPERBARIC FACILITY

- SEE ALSO INJURIES, DYSBARISM
 SEE ALSO RESPIRATORY GAS ANALYZERS*
 PO1ES-00454-06 0013 Biological effects of environmental agents - Cytochrome P450 binding compounds and oxygen transfer (sheep)
 PO1GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
 PO1GM-15991-06 0007 Anesthesia research center - Tidal volumes in acute pulmonary edema (dogs)
 PO1GM-16437-06 0001 Biomedical engineering program project - Cardiopulmonary systems (dogs, human)
 RO1GM-16498-06 Metabolism of volatile fluorinated anesthetics in man
 ** PO1GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
 PO1GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
 PO1GM-19599-02 0005 Surveillance and predictive diagnosis in surgical patients - Cardiac function (human)
 PO1GM-19599-02 0008 Surveillance and predictive diagnosis in surgical patients - Central nervous system-Clinical (human, cats)
 RO1HD-06159-03 Regulation of regional blood flow in labor (primates, subhuman)
 RO1HD-06406-03 Regulation of uterine blood flow (monkeys)
 RO1HD-08477-04 Sympathetic responses of the uterine circulation (sheep)
 ** RO1HL-04881-15 Gas exchange during anesthesia and thoracic surgery (human, dogs)
 PO1HL-06285-14 0128 Cardiovascular-respiratory physiology and biochemistry - Pulmonary circulation in fetal lambs in utero
 PO1HL-07896-13 0009 Environmental biomedical research program - Decompression (human, rats, goats, fish)
 PO1HL-07896-13 0014 Environmental biomedical research program - Respiration and atmospheric pressure (mammals)
 ** PO1HL-07896-13 0022 Environmental biomedical research program - Differences in inspired and expired nitrogen in man
 ** PO1HL-08805-10 0018 Cardiovascular and pulmonary performance - Gas stores and ventilation in normal and obstructed breathing (goats, dogs, huma)
 PO1HL-08899-10 0029 Oxygenation and oxygen effects in man - Isobaric gas counter diffusion phenomena (human, pigs)
 ** RO1HL-09997-10 Intracardiac valvular prostheses (dogs, human)
 ** RO1HL-12174-07 Ventilation perfusion distribution in the lung (human, animals)
 ** RO1HL-12564-05 Control of respiration and blood gases (human)
 RO1HL-12614-06 Microcirculatory control mechanisms and hypertension (bats, rats)
 RO1HL-13233-05 Regulation of respiration in exercise (human)
 RO1HL-13341-04 Lymph-An indicator of splanchnic tissue respiration (dogs, human)
 RO1HL-13488-03 Prolonged left heart bypass without anticoagulation (dogs)
 P17HL-14179-04 0005 Center for the study of lung disease - Mechanisms of exercise tolerance in chronic obstructive lung diseases (human)
 ** PO1HL-14414-03 0005 Cardiorespiratory performance and environmental factors - Estimation of ventilation-perfusion maldistribution (human)
 ** PO1HL-14414-03 0011 Cardiorespiratory performance and environmental factors - Gas balance of tissues (rats, cats)
 ** PO1HL-14414-03 0012 Cardiorespiratory performance and environmental factors - Factors limiting gas exchange between tissues and blood (dogs)
 RO1HL-15605-01 Site of airway obstruction and control of ventilation (dogs)
 RO1HL-15659-01 Dynamic isolation studies of control of respiration (human, computer models)
 RO1HL-15798-02 Determinants of fetal lamb cardiovascular development
 RO1HL-16390-01 Cardiopulmonary control coupling in exercise (dogs)
 RO1HL-16653-01 Respiratory control and body temperature (turtles)

- R23HL-17098-01 Quantitative pulmonary responses to exercise (human)
 R23HL-17105-01 Noninvasive determination of airway mixing (human)
 ** PO1NS-03356-14 0046 Neurological clinical research center - Brain metabolism
 PO1NS-06779-06 0017 Cerebrovascular clinical research center - Pharmacology and biophysics of cerebral blood vessels (cats)
 PO1NS-07366-07 0009 Head injury clinical center research program - Local brain lesions-Regional cerebral blood flow and metabolism (rats)
 PO1NS-07366-07 0014 Head injury clinical center research program - Pathogenesis of respiratory failure after head trauma (human)
 RO1NS-09871-03 Anesthesia and the nervous system (cats)
 RO2NU-00390-03 Sympathetic responses of the uterine circulation (sheep, guinea pigs)
 RO1OH-00340-05 0001 Respiratory effects of inhaled gases and aerosols - Respiratory uptakes of ozone in dogs
 RO1OH-00340-05 0012 Respiratory effects of inhaled gases and aerosols - Model to predict the uptake of ozone (dogs)
 ** MO1RR-00714-02 0006 General clinical research center - Lymph-An indicator of splanchnic tissue respiration (human, dogs, rats)

RESPIRATORY GAS LEVELS, BOHR EFFECT

- RO1AM-02831-22 Sulfhydryl groups and properties of hemoglobin (human, ungulates, dogs)
 RO1AM-17563-01 X-ray studies of hemoglobin and regulatory enzymes (human, rabbit, bacteria)
 RO1GM-15000-06 Crystallographic analysis of protein structures (cattle, fish, bacteria)
 PO1GM-16934-06 0013 Sulfonamides and carbonic anhydrase-Basis for therapy - Respiratory effects and carbonic anhydrase inhibition (human)
 P18HL-15160-03 0002 Comprehensive sickle cell disease center - Dissociation of hemoglobin S by inorganic and organic compounds (human)
 R23HL-16195-01 Oxygen exchange with blood in capillaries
 PO1HL-16833-01 0003 Hemoglobin and red cell system in hemoglobinopathies - Oxygen binding curves and equilibria
 RO1HL-16927-01 Functional studies on A and S hemoglobins (human)

RESPIRATORY GAS LEVELS, CARBON DIOXIDE TENSION

- SEE ALSO RESPIRATORY GAS LEVELS, BOHR EFFECT
 SEE ALSO RESPIRATORY GAS LEVELS, HYPERCAPNIA
 SEE ALSO RESPIRATORY GAS LEVELS, HYPOCAPNIA
 PO1GM-15430-07 0016 Research in anesthesia - Cerebral blood flow (human, goats)
 PO1GM-15571-06 0001 Anesthesia research-Program project - Control of respiration in hyperpnea of exercise (dogs, human)
 RO1HD-04394-03 Regulation of the placental circulation (human, primates, rabbits, sheep)
 RO1HD-07377-01 Mechanisms of fetal cerebral vascular control (sheep)
 ** RO1HD-07965-01 Respiratory chemosensitivity during sleep in infancy (human)
 RO1HD-08297-01 Respiratory control in early life (human)
 RO1HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
 PO1HL-06285-14 0147 Cardiovascular-respiratory physiology and biochemistry - Metabolic regulation of cerebral microcirculation (cats)
 ** PO1HL-06285-14 0168 Cardiovascular-respiratory physiology and biochemistry - Non-invasive methods for measuring PCO₂ and PO₂ (human)
 ** PO1HL-06285-14 0198 Cardiovascular-respiratory physiology and biochemistry - Renal tubular secretion of hydrogen ion (animals)
 PO1HL-07896-13 0023 Environmental biomedical research program - Effects of hydrostatic pressure on ventilation (dogs)
 PO1HL-08899-10 0018 Oxygenation and oxygen effects in man - Effects of respiratory gases at extreme pressures (human)
 PO1HL-08899-10 0023 Oxygenation and oxygen effects in man - Hypoxia and hyperoxia in respiratory response in regards to PCO₂ (human)
 PO1HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
 PO1HL-10342-09 0012 Cardiovascular, pulmonary, and behavioral studies - Phrenic nerve-tidal volume studies (dogs, cats)
 PO1HL-10342-09 0014 Cardiovascular, pulmonary, and behavioral studies - Carbon dioxide transport (dogs)
 PO1HL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
 RO1HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
 ** RO1HL-12231-06 Intracellular response to acid-base changes (dogs, rats)
 RO1HL-13810-03 Simultaneous measurement of cell pH by two methods (rats)
 RO1HL-13921-03 Interaction between electrolytes and respiration (human, rats)

- P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
 ** P17HL-14218-04 0010 Newborn lung center - In vivo CO₂ equilibration curve in the fetus (monkeys)
 ** RO1HL-14278-03 Quantitation of CO₂ inhibition in ventilatory control (human)
 ** PO1HL-14414-03 0004 Cardiorespiratory performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
 ** PO1HL-14414-03 0011 Cardiorespiratory performance and environmental factors - Gas balance of tissues (rats, cats)
 ** PO1HL-14414-03 0014 Cardiorespiratory performance and environmental factors - Carbon dioxide and body temperature in poikilotherm vertebrates (bullfrog)
 PO1HL-14985-03 0003 Adaptation to hypoxia - Hypoxia and oxygen transport (human, dogs)
 ** RO1HL-15038-03 Computer assisted study of CO₂ control of ventilation (rats)
 P17HL-15061-03 0013 Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)
 RO1HL-15423-02 Regional cerebral blood volume by X-ray fluorescence (human, monkeys)
 RO1HL-15810-01 Electrolyte physiology and respiratory acid-base (dogs)
 RO1HL-16239-01 Carotid body control of ventilation (cats)
 ** RO1HL-16307-01 Control of coronary flow by carbon dioxide tension (dogs)
 RO1HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
 PO1HL-16833-01 0009 Hemoglobin and red cell system in hemoglobinopathies - Rheological studies of sickled cells (human)
 R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
 RO1NS-04456-12 Chemosensors of the nervous system (cats)
 ** PO1NS-07377-05 0003 Clinical head injury research - Altering arterial carbon dioxide and oxygen (human)
 ** PO1NS-10828-01 0004 An interdepartmental stroke program - Cerebrovascular carbon dioxide reactivity to blood pressure and flow values

RESPIRATORY GAS LEVELS, CYANOSIS

- SEE ALSO HEMOPROTEINS, METHEMOGLOBINEMIA
 PO1GM-19100-03 0001 Genetics research center - Detection center for erythrocyte abnormalities (human)
 PO1GM-19100-03 0002 Genetics research center - Detection center for hemoglobinopathies (human)
 RO1HD-06355-03 Etiology of hypoglycemia in infants and children (human, rats)
 RO1HD-08339-01 Sudden infant death syndrome and sleep apnea (infants, adults)
 ** PO1HL-10436-09 0005 Congenital heart disease - Pulmonary physiology in pediatric chest diseases
 PO1HL-10436-09 0006 Congenital heart disease - Physiology of prosthetic heart devices (human, cattle)
 ** PO1HL-10436-09 0007 Congenital heart disease - Developmental lag, perceptual-motor deficits and hypoxia
 ** PO1HL-10436-09 0008 Congenital heart disease - Physiologic adaptation to cyanotic congenital heart disease (human, dogs)
 P17HL-15061-03 0014 Response of lung to injury - Safe limits for elevated inspired oxygen concentrations in infants and children
 MO1RR-00199-10 0057 General clinical research center for children - Treatment of polycythemia secondary to cyanotic heart disease
 ** MO1RR-00305-08 0080 Clinical research center for children - Exchange phlebotomy in cyanotic congenital heart disease

RESPIRATORY GAS LEVELS, HYPERCAPNIA

- PO1AM-14877-14 0018 Kidney function in infants and children - Kidney and pathogenesis of metabolic acidosis (dogs, sheep)
 RO1AM-15889-03 Tubular control of acid-base balance (dogs)
 RO1AM-17578-01 Beta-glucuronidase deficiency disease (human, mice)
 PO1GM-15571-06 0054 Anesthesia research-Program project - Chronic elevation of HCO₃ on chemosensitivity of medullary respiratory HO
 ** PO1GM-15904-07 0022 Anesthesiology center for research and teaching - Physiologic response of man to hypoxia and hypercapnia
 PO1GM-15991-06 0093 Anesthesia research center - Disposition of local anesthetics-Relationship to pathophysiological status
 PO1GM-16934-06 0016 Sulfonamides and carbonic anhydrase-Basis for therapy - Rate of transport of NaCl and HCO₃ from plasma to cerebrospinal fluid (cats)
 RO1GM-19930-03 Clinical and experimental shock (human, dogs, rats)
 PO1HD-03015-08 0028 Program for developmental biology - Pulmonary oxygen toxicity (rabbits)
 RO1HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
 RO1HD-05835-03 Perinatal immersion effects (sheep)
 RO1HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-07160-01 Hyaline membrane disease—Neonatal cerebral (monkeys swine)
- R01HD-08124-01 Blood substitute and circulation (sheep)
- ** R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
- R01HL-05883-14 Reflex control of resistance and capacitance vessels
- R01HL-06285-14 0182 Cardiovascular-respiratory physiology and biochemistry - Structure and function of vascular chemoreceptors (cats, rats)
- R01HL-06664-13 0022 Cardiopulmonary function in remediable vascular disease - Effects of myocardial ischemia on control systems in cardiac function (dogs)
- R01HL-08805-10 0004 Cardiovascular and pulmonary performance - Adaptation to hypoxia (human, animals)
- R01HL-08805-10 0020 Cardiovascular and pulmonary performance - Ventilatory response to hypoxia with reflex control of circulation (human)
- R01HL-08805-10 0022 Cardiovascular and pulmonary performance - Relationships between cerebral blood flow and regulation of ventilation in goats
- R01HL-08805-10 0024 Cardiovascular and pulmonary performance - Patterns of blood flow and vascular characteristics of the carotid body (cats)
- ** R01HL-08805-10 0030 Cardiovascular and pulmonary performance - Brain energy metabolism limiting ventilatory response (goats)
- ** R01HL-08899-10 0014 Oxygenation and oxygen effects in man - Cellular and renal responses to hypercapnia and hypocapnia (dogs)
- ** R01HL-10342-09 0013 Cardiovascular, pulmonary, and behavioral studies - Hypercapnia, serum phosphorus, and muscle performance (dogs, rats)
- R01HL-10342-09 0020 Cardiovascular, pulmonary, and behavioral studies - Systemic circulation as a determinant of venous return and cardiac output (dogs)
- R01HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
- R01HL-11802-07 Cardiovascular surgical research (dogs)
- R01HL-12231-06 Intracellular response to acid-base changes (dogs, rats)
- R01HL-12564-05 Control of respiration and blood gases (human)
- R01HL-13841-13 Respiration during altitude acclimatization (goats, human)
- R01HL-13888-12 Regulation of respiratory activity (human, dogs)
- R01HL-13921-03 Interaction between electrolytes and respiration (human, rats)
- ** R01HL-13979-04 0008 Cardio-pulmonary-renal program - Chronic obstructive pulmonary disease (dogs)
- P17HL-14218-04 0004 Newborn lung center - Metabolism of infants with respiratory distress syndrome (human)
- ** P17HL-14218-04 0010 Newborn lung center - In vivo CO₂ equilibration curve in the fetus (monkeys)
- P17HL-14251-04 0001 Pathophysiology and management of respiratory insufficiency - Brain circulation (cats, rabbits)
- ** P17HL-14251-04 0003 Pathophysiology and management of respiratory insufficiency - Hypoxia, hypercapnia and CNS-induced cardiac arrhythmias (cats)
- R01HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
- R01HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- P17HL-15088-03 0010 Diffuse granulomatous and fibrotic pulmonary disease - Regulation of pulmonary angiotensin-converting enzyme (human, rabbits)
- R01HL-15311-02 Development of Hering-Breuer reflexes (opossum)
- R01HL-15423-02 Regional cerebral blood volume by X-ray fluorescence (human, monkeys)
- R01HL-15810-01 Electrolyte physiology and respiratory acid-base (dogs)
- R01HL-16066-01 Studies on the chemoreceptor reflex (dogs)
- R01HL-16149-01 Ventricular baroreceptors in circulatory control (dogs)
- R01HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
- R23HL-17098-01 Quantitative pulmonary responses to exercise (human)
- R23HL-17115-01 Mast cell function in cor pulmonale and lung edemas (cats, guinea pigs, human)
- R23HL-17172-01 Ventilatory control and sleep in the premature (monkeys)
- R01HL-17711-01 Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs)
- PO1NS-07463-04 0002 Cardiovascular research center - Biochemical and ultrastructural studies (guinea pigs, gerbils)
- PO1NS-08802-05 0002 Cardiovascular disease research center - The intracerebral steal (human)
- PO1NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
- R01NS-09408-03 Local cerebral blood flow (cats, monkeys)
- ** M01RR-00047-14 0017 General clinical research center - Role of chloride in serum bicarbonate in hypercapnia (human)
- ** M01RR-00096-14 0026 Clinical research center - Hypercapnic states in chronic pulmonary disease (human)
- M01RR-00828-01 0041 General clinical research center - Body composition in respiratory failure (human)
- RESPIRATORY GAS LEVELS, HYPOCAPNIA**
- R01AM-15889-03 Tubular control of acid-base balance (dogs)
- PO1GM-16934-06 0016 Sulfonamides and carbonic anhydrase—Basis for therapy - Rate of transport of NaCl and HCO₃ from plasma to cerebrospinal fluid (cats)
- ** PO1GM-18470-03 0012 Trauma center - Respiratory and cardiovascular function in head injury (cats, dogs, human)
- ** R01HL-00759-24 Regulation of electrolyte and acid base equilibrium (human, dogs)
- ** R01HL-08899-10 0014 Oxygenation and oxygen effects in man - Cellular and renal responses to hypercapnia and hypocapnia (dogs)
- R01HL-16307-01 Control of coronary flow by carbon dioxide tension (dogs)
- R01HL-16463-01 Chronic obstructive pulmonary disease (human, dogs)
- PO1NS-06663-08 0018 Cerebrovascular clinical research center - Transient cerebral ischemia in squirrel monkey
- ** M01RR-00054-13 0066 General clinical research center - Chronic hypocapnia in man
- RESPIRATORY GAS LEVELS, HYPOXIA**
- SEE ALSO CEREBROVASCULAR DISORDERS, BRAIN ISCHEMIA AND HYPOXIA
- SEE ALSO HEART DISORDERS, CORONARY, MYOCARDIAL ISCHEMIA AND HYPOXIA
- SEE ALSO HEMOPROTEINS, METHEMOGLOBINEMIA
- SEE ALSO KIDNEY-CIRCULATORY DISORDERS, RENAL ISCHEMIA AND HYPOXIA
- SEE ALSO LIVER CIRCULATORY DISORDERS, LIVER ISCHEMIA AND HYPOXIA
- SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION
- SEE ALSO RESPIRATORY CIRCULATORY DISORDERS, PULMONARY ISCHEMIA AND HYPOXIA
- SEE ALSO RESPIRATORY GAS LEVELS, CYANOSIS
- R01AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)
- PO1AM-06704-12 0002 Neural and humoral control of endocrine function - Regulation of renin secretion (dogs)
- PO1AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- R01AM-11605-08 Endocrine influences in disease (rats)
- R01AM-11799-07 Metabolism of liver membrane phospholipids
- R01AM-12829-06 Regulation of insulin secretion (human, dogs)
- R01AM-13211-06 Kidney control of erythropoietin production (human, animals)
- PO1AM-14877-14 0018 Kidney function in infants and children - Kidney and pathogenesis of metabolic acidosis (dogs, sheep)
- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- R01AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- R01AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
- R01CA-04542-16 Modification of radiation response in vitro (mammals)
- R01CA-06437-13 Molecular basis of radiation lethality (bacteria)
- P02CA-06518-11 0019 Radiation and radiobiology research center - In vitro studies on hyperthermia and radiation (human)
- P02CA-06518-11 0034 Radiation and radiobiology research center - Effect of elevated temperature on oxygen enhancement (mice)
- P02CA-06519-12 0063 Radiation therapy and biology research program - Oxygen tension and tumor radiosensitivity
- PO1CA-08748-09 5514 Research program of Sloan-Kettering Institute - Effect of neutrons on hypoxic HeLa cells
- ** PO1CA-08748-09 5551 Research program of Sloan-Kettering Institute - Characterization of chronically hypoxic cells (HeLa cells)
- ** PO1CA-08748-09 7503 Research program of Sloan-Kettering Institute - Oxygen depletion in irradiated E coli
- P02CA-12197-03 0024 Multidisciplinary oncology research center - Effects of oxygen tension and ultrasound on oxidative metabolism (rats)
- R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
- ** R01CA-13353-02 Vasculature and reoxygenation in x-irradiated tumors (rats)
- ** R01CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
- R01CA-13779-02 Split-dose repair—Dividing vs post-mitotic cells (insects)
- R01CA-14165-02 Optimization of radiation therapy (mice)
- R01DA-00126-03 Cerebrovascular injury in experimental drug abuse (monkeys)
- P13DE-02731-08 0005 Development support for dental research institute - Dental research (rats, cattle, human)
- PO1ES-00354-07 0002 Human responses to thermal environment - Regulation of circulation, respiration and body temperature (human, rabbits)
- R01ES-00404-06 Carbon monoxide and cultured heart cells (rats)
- ** PO1ES-00454-06 0003 Biological effects of environmental agents - Carbon monoxide hypoxic hypoxia and drug response in vivo (rats, human)
- ** PO1ES-00454-06 0015 Biological effects of environmental agents - Comparative effects of hypoxic hypoxia and CO hypoxia on the heart (dogs)
- ** PO1ES-00454-06 0017 Biological effects of environmental agents - Effect of CO and low O₂ on muscle performance (cats, mice)
- ** PO1ES-00454-06 0021 Biological effects of environmental agents - Neural reflexes in cardiovascular response to CO and hypoxic hypoxia (dogs)
- ** PO1ES-00454-06 0022 Biological effects of environmental agents - Effect of CO and hypoxic hypoxia on cerebral and cephalic blood flow (dogs)
- PO1ES-00454-06 0023 Biological effects of environmental agents - Mutagens, carcinogens, nucleic acids and cell transformation (hamsters)
- R01EY-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
- ** PO1EY-00523-13 0010 Sensory disease clinical research center (eye disorders) - The effect of hypoxia on visual function (human)
- ** PO1GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
- ** R01GM-12829-10 0017 Wound healing - Oxygen supply and resistance to infection (rabbits)
- R01GM-14033-08 Control mechanisms in gluconeogenesis (tetrahymena, rats, ground squirrels)
- PO1GM-15253-08 0004 Genetics in medicine—Gene action in man - Blood, serum and enzyme population
- PO1GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
- PO1GM-15430-07 0016 Research in anesthesia - Cerebral blood flow (human, goats)
- P11GM-15477-08 0028 Drug metabolism and biochemical pharmacology - Effect of hemorrhage on the rate of hemobarbital biotransformation (dogs)
- PO1GM-15571-06 0045 Anesthesia research—Program project - Peripheral chemoreceptors and cardiovascular response to isovolemic anemia (cats)
- PO1GM-15571-06 0054 Anesthesia research—Program project - Chronic elevation of HCO₃ on chemosensitivity of medullary respiratory H₀
- PO1GM-15571-06 0057 Anesthesia research—Program project - Role of anaerobic metabolism in normal brain ECF pH regulation
- PO1GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- PO1GM-15904-07 0020 Anesthesiology center for research and teaching - Gas exchange in respiratory failure
- PO1GM-15904-07 0021 Anesthesiology center for research and teaching - Blood gas exchange (human)
- ** PO1GM-15904-07 0022 Anesthesiology center for research and teaching - Physiologic response of man to hypoxia and hypercapnia
- PO1GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
- PO1GM-18715-02 0003 Biochemical effects and chemical reactions of drugs - Effects of hypoxia and cyanide on pH of glomus cells
- R01GM-19867-02 Altered mitochondrial function in shock (human, rabbits, rats, E coli)
- PO1GM-21797-01 0010 The traumatized patient - Oxygen transport in the injured patient (and dogs)
- N01HB-12104-06 Study ability of stored blood to transport oxygen (rabbits, human)
- PO1HD-01799-09 0055 Mental retardation research center - Pathophysiology of respiratory distress syndrome (human)
- PO1HD-02274-08 0083 Mental retardation and child development - Sudden infant death (rats)
- ** R01HD-04050-04 Effect of asphyxia on fetal lung fluid (lambs)
- R01HD-04154-06 Shock in infancy—Metabolic and hemodynamic aspects (swine, monkeys)
- R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- ** PO1HD-05615-04 0004 Developmental biology in mental retardation - Hypoxia and hypothyroidism in neuropil differentiation (mice)
- R01HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
- R01HD-06311-03 Lung lecithin synthesis—normal and asphyxial (sheep, rats)
- R01HD-06619-02 Pathophysiology of fetal growth retardation (sheep)
- ** R01HD-06645-03 0014 Center for population research - Effects of hypoxia on placental and fetal tissue in organ culture (human)
- R01HD-06929-02 Fetal health and amniotic fluid HCS and prolactin (monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- ** R01HD-07681-01 Fetal cardiovascular response to asphyxia (sheep)
- M01HD-42817-00 Analysis of major cause of infant death syndrome (human)
- R01HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
- ** R01HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
- R01HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
- R01HL-05883-14 Reflex control of resistance and capacitance vessels
- P01HL-06285-14 0182 Cardiovascular-respiratory physiology and biochemistry - Structure and function of vascular chemoreceptors (cats, rats)
- P01HL-06296-14 0005 Human adaptation to environmental and exercise stress - Regulation of ventricular performance (animals)
- ** P01HL-06308-14 0028 Mechanisms and therapy of circulatory disease - Electrophysiological alterations of cardiac tissue hypoxia (dogs)
- R01HL-06950-13 Red cell metabolism (rats, rabbits)
- R01HL-07139-13 Cardiodynamics and metabolism of congestive failure (human, dogs)
- R01HL-07984-12 Red cell factors in oxygen delivery (rabbits)
- R01HL-08659-11 Myocardial performance and metabolism in the newborn (sheep)
- P01HL-08682-11 0012 Regulation of the cardiovascular system - Hepatic circulation and macrophage function during endotoxin shock (rats)
- ** P01HL-08805-10 0004 Cardiovascular and pulmonary performance - Adaptation to hypoxia (human, animals)
- P01HL-08805-10 0005 Cardiovascular and pulmonary performance - Autonomic nervous control of the pulmonary circulation (dogs)
- P01HL-08805-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish-Estivation and submersion
- P01HL-08805-10 0009 Cardiovascular and pulmonary performance - Bronchopulmonary lavage (human)
- P01HL-08805-10 0010 Cardiovascular and pulmonary performance - Energy metabolism in heart-Mechanisms of regulation (mammals)
- P01HL-08805-10 0019 Cardiovascular and pulmonary performance - Determinants of arterial chemoreceptor activity (human)
- ** P01HL-08805-10 0020 Cardiovascular and pulmonary performance - Ventilatory response to hypoxia with reflex control of circulation (human)
- P01HL-08805-10 0022 Cardiovascular and pulmonary performance - Relationships between cerebral blood flow and regulation of ventilation in goats
- P01HL-08805-10 0024 Cardiovascular and pulmonary performance - Patterns of blood flow and vascular characteristics of the carotid body (cats)
- P01HL-08805-10 0025 Cardiovascular and pulmonary performance - Pulmonary edema (dogs)
- P01HL-08805-10 0026 Cardiovascular and pulmonary performance - Hypoxic pulmonary edema (rodents)
- ** P01HL-08805-10 0030 Cardiovascular and pulmonary performance - Brain energy metabolism limiting ventilatory response (goats)
- P01HL-08805-10 0031 Cardiovascular and pulmonary performance - Impairment of oxygen delivery on aerobic metabolism of brain and skeletal muscle
- ** P01HL-08805-10 0032 Cardiovascular and pulmonary performance - Effect of anemia on ventilatory response to transient hypoxia (goats)
- ** P01HL-08899-10 0008 Oxygenation and oxygen effects in man - Hypoxia in regards to respiratory and brain circulatory control (goats)
- ** P01HL-08899-10 0023 Oxygenation and oxygen effects in man - Hypoxia and hyperoxia in respiratory response in regards to PCO2 (human)
- R01HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
- ** P01HL-10342-09 0001 Cardiovascular, pulmonary, and behavioral studies - Effect of CO and hypoxic hypoxia on hepatic drug metabolism (human, rats)
- ** P01HL-10342-09 0002 Cardiovascular, pulmonary, and behavioral studies - Effect of carbon monoxide and hypoxic hypoxia on venous return (dogs)
- ** P01HL-10342-09 0003 Cardiovascular, pulmonary, and behavioral studies - Effects of hypoxic hypoxia and carbon monoxide hypoxia on the heart (dogs)
- ** P01HL-10342-09 0004 Cardiovascular, pulmonary, and behavioral studies - Hypothalamus in behavior and physiology of hypoxic and CO hypoxia (rats)
- P01HL-10342-09 0005 Cardiovascular, pulmonary, and behavioral studies - Adaptive processes to carbon monoxide exposure (human, rats)
- P01HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
- P01HL-10342-09 0012 Cardiovascular, pulmonary, and behavioral studies - Phrenic nerve-tidal volume studies (dogs, cats)
- P01HL-10342-09 0021 Cardiovascular, pulmonary, and behavioral studies - Regulation of systemic, pulmonary, and coronary circulation (dogs)
- ** P01HL-10436-09 0007 Congenital heart disease - Developmental lag, perceptual-motor deficits and hypoxia
- ** P01HL-10539-09 0042 Pathophysiology of circulation - Tolerance of isolated cardiac muscle to hypoxia
- R01HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
- ** R01HL-11432-06 Hemodynamic factors in cardiac development (turtles, chick embryo)
- R01HL-11802-07 Cardiovascular surgical research (dogs)
- ** R01HL-11982-06 Mechanisms of cardiovascular response to anoxia (dogs)
- ** R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- ** P01HL-12373-06 0010 Cardiopulmonary physiology and pathophysiology - Pulmonary pathology and pathophysiology (dogs)
- R01HL-12564-05 Control of respiration and blood gases (human)
- R01HL-12679-06 Hemodynamics of edema at high altitude lung (dogs)
- R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- R01HL-13029-05 Metabolic regulation of sugar transport (pigeons)
- ** P01HL-13108-05 0031 Clinical heart transplantation - Circulatory response to hypoxia in the denervated transplanted heart (human)
- ** P01HL-13330-05 0047 Mechanical circulatory support - Clinical aspects electron microscopy of the anoxic left ventricle
- R01HL-13443-03 Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits)
- P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- R01HL-13713-04 Pathogenesis of lipid accumulation (human, mice)
- P01HL-13737-04 0017 Assisted circulation - Effects of inseries cardiac assistance on pulmonary function (human)
- ** R01HL-13841-13 Respiration during altitude acclimatization (goats, human)
- ** R01HL-13872-16 0005 Body composition and metabolic care in surgery - Extracorporeal oxygenation (sheep, dogs, human)
- R01HL-13888-12 Regulation of respiratory activity (human, dogs)
- R01HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
- ** R01HL-14102-03 Physiology at 17,500 feet in mountain environment (human, rats)
- P17HL-14152-04 0002 Pulmonary specialized center of research - Effect of pulmonary ischemia on surface-active lipoprotein and RDS (lambs)
- P17HL-14152-04 0006 Pulmonary specialized center of research - Lung adaptation and extracorporeal gas exchange (lambs)
- P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
- P17HL-14187-04 0006 Center for lung research - Pathogenesis of chronic obstructive pulmonary disease (human, rats)
- P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
- P17HL-14201-04 0001 Pulmonary disease research center - Asphyxia, hypovolemia and hypotension in IRDS (human infants)
- P17HL-14201-04 0005 Pulmonary disease research center - Blood volume and pulmonary blood flow in the fetus (human, lambs)
- P17HL-14201-04 0020 Pulmonary disease research center - Pulmonary edema measurement with focused electrical impedance bridge (human)
- P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
- P17HL-14218-04 0009 Newborn lung center - Filtration coefficient of pulmonary capillaries in experimental RDS (dogs, sheep)
- P17HL-14251-04 0001 Pathophysiology and management of respiratory insufficiency - Brain circulation (cats, rabbits)
- ** P17HL-14251-04 0003 Pathophysiology and management of respiratory insufficiency - Hypoxia, hypercapnia and CNS-induced cardiac arrhythmias (cats)
- ** R01HL-14317-03 Cardiac output distribution hypoxia (dogs)
- ** P01HL-14388-03 0018 Regulation of the circulation in pathological states - Capillary filtration, permeability and area in heart failure and hypoxia (dogs)
- P01HL-14388-03 0030 Regulation of the circulation in pathological states - Autonomic innervation and reactivity of coronary vessels (dogs)
- P01HL-14388-03 0032 Regulation of the circulation in pathological states - Oxygen consumption of vascular segments, response to adrenergic stimuli (animals)
- P01HL-14388-03 0033 Regulation of the circulation in pathological states - Reactivity of coronary vessels in chronic congestive failure (animals)
- P01HL-14388-03 0037 Regulation of the circulation in pathological states - Reactivity of saphenous vein coronary bypass in animal models (dogs)
- R01HL-14412-03 Cardiac toxicity of aerosol propellants (human, mammals)
- R01HL-14661-03 Biochemical mechanisms in cardiac hypertrophy (rats, dogs, rabbits)
- ** R01HL-14693-03 Survival value of physiological responses to hypoxia (dogs)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- P01HL-14780-02 0004 Mechanisms and treatment of cardiovascular diseases - Function of postcapillary resistance vessels of the human forearm
- P01HL-14780-02 0005 Mechanisms and treatment of cardiovascular diseases - Functional and metabolic studies of vascular stiffness (human, dogs)
- R01HL-14808-02 Microcirculation in sickle cell anemia (rats)
- R01HL-14873-02 Sickle cell disease-Biological effects of cyanide (human, mammals)
- R01HL-14976-02 Cyclic nucleotides and erythropoiesis (mice, rats)
- ** P17HL-15088-03 0002 Diffuse granulomatous and fibrotic pulmonary disease - Effect on regulation of the pulmonary circulation (dogs)
- P17HL-15088-03 0006 Diffuse granulomatous and fibrotic pulmonary disease - Oxygen tension and oxygen utilization in tissues from diseased lungs (dogs)
- P17HL-15088-03 0010 Diffuse granulomatous and fibrotic pulmonary disease - Regulation of pulmonary angiotensin-converting enzyme (human, rabbits)
- P18HL-15170-03 0022 Comprehensive sickle cell disease center - Surface chemicals (human)
- R01HL-15247-02 Extending the life of implanted pacemakers (dogs)
- R01HL-15311-02 Development of Hering-Breuer reflexes (opossum)
- P17HL-15389-03 0006 Wisconsin Pulmonary Disease Research Center - Other environmental pulmonary diseases (human, mammals)
- R01HL-15407-02 Physiological changes and lung metabolic functions (dogs)
- ** R01HL-15469-01 Human ventilatory adaptation to moderate hypoxemia
- R01HL-15473-01 Chemoreceptors and ventilatory control (horses)
- R01HL-15497-02 Factors affecting growth and function of lung (rats)
- R01HL-15498-02 Effects of physical training on heart (rats)
- R01HL-15562-02 Regulation of skeletal muscle blood flow (dogs, cats)
- R01HL-15614-02 Heredity and oxygen-Effects on health of heart-lungs (Chile)
- R01HL-15685-02 Erythropoietin in cultures of renal glomeruli (mice, goats)
- R01HL-15810-01 Electrolyte physiology and respiratory acid-base (dogs)
- P01HL-15833-01 0005 Pharmacologic and physiologic basis of cardiac therapy - Drug interaction after experimental myocardial infarction (animals)
- P01HL-15834-02 Physiologic consequences of cardiac ischemia (human, animals)
- ** R01HL-16066-01 Studies on the chemoreceptor reflex (dogs)
- R01HL-16149-01 Ventricular baroreceptors in circulatory control (dogs)
- R01HL-16217-01 O2 dissociation curve and erythropoietin production (human, rats, mice)
- ** R01HL-16280-01 Regulation of respiratory function in nucleated red cell (fish, reptiles, birds)
- R01HL-16367-01 Carbon monoxide-Chronic effects on heart (rats)
- R01HL-16421-04 Determinants of RBC deformability and capillary flow (human)
- R01HL-16514-01 Pulmonary surfactant-Morphology biosynthesis, turnover (rabbits, rats)
- R01HL-16637-01 Development and regression of cardiac hypertrophy (rats, chick embryo)
- R01HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
- R01HL-16931-01 Red cell storage and transfusion (rabbits)
- R23HL-17115-01 Mast cell function in cor pulmonale and lung edemas (cats, guinea pigs, human)
- R23HL-17165-01 Redox state of NADO in erythrocytes (human)
- R23HL-17172-01 Ventilatory control and sleep in the premature (monkeys)
- R01HL-17244-01 Myocardial mechanics and pharmacology (cats, dogs)
- ** R01HL-17711-01 Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs)
- R01HL-13688-07 Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-01791-16 Response of inner ear to injury (chinchillas, guinea pigs)
 POINS-03346-13 0014 Research center for cerebrovascular disease - Coupling of cerebral blood flow and metabolism (mice)
 POINS-03354-13 0009 Neurosensory center - Electron microscopy (human, animals)
 ** POINS-03364-12 0018 Neurological research center in cerebrovascular disease - Response of single nerve cell to hypoxia (crayfish)
 POINS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)
 ROINS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 ROINS-06575-08 Metabolic processes of the inner ear (chinchillas, guinea pigs)
 ** POINS-07376-07 0008 Univ Chicago head injury center - Tissue culture experiments
 ** POINS-07463-04 0002 Cerebrovascular research center - Biochemical and ultrastructural studies (guinea pigs, gerbils)
 ROINS-07507-07 Cerebral metabolism and blood flow during anesthesia (dogs, primates)
 ROINS-07945-04 Aerobic mitochondrial regulatory processes (rabbits, rats)
 ROINS-08706-05 Analysis of fast and slow phases of axoplasmic flow (cats)
 POINS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
 ROINS-08862-05 Metabolism of cells and parts of cells in nervous tissue (mammals)
 ROINS-08989-12 Brain function during altitude acclimatization (rats)
 POINS-09287-04 0012 Baylor center for cerebrovascular research - Cerebral energy metabolism following acute infarction (monkeys, baboons)
 ROINS-09408-03 Local cerebral blood flow (cats, monkeys)
 ROINS-09870-02 Effects of anesthetics on cerebral metabolism (dogs)
 ** ROINS-09991-03 Hypoxia and increased intracranial pressure
 ROINS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
 ROINS-10019-03 Nerve triphosphoinositol function (cats)
 ROINS-10384-03 Drug actions on CNS metabolism (cats)
 ROINS-10648-02 Experimental neuropathology in tissue culture
 POINS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
 ** POINS-10939-02 0006 Cerebral blood flow and metabolism in stroke and shock - Cerebral blood flow and metabolism in hypoxia and shock (dogs, monkeys)
 ** POINS-10939-02 0007 Cerebral blood flow and metabolism in stroke and shock - Cellular hypoxia in shock and stroke (seals, rats)
 ** P17NS-11120-02 Stroke acute care research unit (human)
 ROINS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
 RO10H-00352-05 Lung cell function in health and disease (human, rabbits)
 ** P07RR-00015-12 0096 Medical school computer facility - Circulation in rat brain under normoxia and hypoxia
 MOIRR-00188-10 0058 General clinical research center for children - Disorders of blood coagulation
 MOIRR-00400-06 0040 General clinical research center - adult - Respiratory regulation in patients with altered sensitivity to CO₂ and O₂ (human)
 MOIRR-00847-01 0013 Clinical research centers - Hematologic, and metabolic adaptations in development of anemia (human)

RESPIRATORY GAS LEVELS, HYPOXIA, OXYGEN DEBT

- POIGM-15904-07 0015 Anesthesiology center for research and teaching - Acute respiratory insufficiency-Oxygen cost of breathing
 RO1HL-11884-05 Work function after myocardial infarction (human)

RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

- SEE ALSO CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME
 SEE ALSO ENVIRONMENT, STRESS, ALTITUDE
 SEE ALSO INJURIES, ACCIDENTS, SUFFOCATION
 SEE ALSO RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY (GENERAL)
 SEE ALSO RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION
 SEE ALSO RESPIRATORY GAS LEVELS, HYPOXIA NEONATORUM
 SEE ALSO TOXICOLOGY, GAS POISONING, CARBON MONOXIDE
 M POIGM-15991-06 Anesthesia research center
 ** POIGM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange
 PO1HD-02147-08 0009 Extraterrestrial growth and development - Hemoglobin oxygen transport (human, pinnipeds)
 ** P17HL-14251-04 0007 Pathophysiology and management of respiratory insufficiency - Pulmonary circulation (dogs)

- RO1HL-16031-01 The lung lining layer-Synthesis and secretion (rats)
 ** RO1HL-16239-01 Carotid body control of ventilation (cats)
 RO1HL-16698-01 Ventilation-perfusion distributions in lung disease (human, dogs)
 ** R23HL-17200-01 Control of hypoxic pulmonary vasoconstriction (dogs)
 MOIRR-00125-11 0120 General clinical research center - adult-child - Remote stimulation by radiofrequency transmission
 MOIRR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man

RESPIRATORY GAS LEVELS, HYPOXIA NEONATORUM

- SEE ALSO CONGENITAL ABNORMALITIES, RESPIRATORY DISTRESS SYNDROME
 POIGM-19100-03 0003 Genetics research center - Chromosome abnormalities (human)
 PO1HD-02147-08 0009 Extraterrestrial growth and development - Hemoglobin oxygen transport (human, pinnipeds)
 RO1HD-04946-03 Adipose tissue metabolism in abnormal newborns (human)
 RO1HD-05835-03 Perinatal immersion effects (sheep)
 RO1HD-06458-02 Neonatal mineral metabolism
 ** RO1HD-06775-03 Hypoxia, metabolism, and neonatal thermoregulation (dogs)
 ** RO1HD-07160-01 Hyaline membrane disease-Neonatal cerebral (monkeys, swine)
 RO1HD-07681-01 Fetal cardiovascular response to asphyxia (sheep)
 PO1HL-16137-01 0014 Alveolar biology - Pathology of alveoli and the surfactant-Fetal distress (sheep)
 R23HL-17154-01 Liquid ventilation in newborn with RDS (sheep)

RESPIRATORY GAS LEVELS, OXYGEN TENSION

- SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPERBARIC OXYGENATION
 SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPEROXIA
 SEE ALSO RESPIRATORY GAS ANALYZERS, OXIMETRY*
 SEE ALSO RESPIRATORY GAS LEVELS, BOHR EFFECT
 SEE ALSO RESPIRATORY GAS LEVELS, CYANOSIS
 SEE ALSO RESPIRATORY GAS LEVELS, HYPOXIA
 RO1AM-00745-20 Erythrocyte production and destruction (human, monkeys)
 PO1AM-09001-10 0037 Biochemistry and immunology of blood diseases - The effects of cyanate in rabbits
 RO1AM-14715-04 Scleroderma-Systemic sclerosis (human)
 RO1CA-10410-08 Dose-time factors influencing cellular radiosensitivity (mammals)
 ** PO2CA-11051-06 0055 Clinical radiation research center - Oxygen tension in tumors (hamsters)
 ** PO2CA-12197-03 0024 Multidisciplinary oncology research center - Effects of oxygen tension and ultrasound on oxidative metabolism (rats)
 RO1CA-13270-02 Effects of fast neutrons on cultured mammalian cells
 RO1CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
 RO1CA-13881-02 Radiation in vitro-Mammary cell survival-Neoplasia (rats)
 RO1CA-14345-01 Membrane turnover and repair in normal and malignant cells (toads, mammals)
 RO1EY-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
 RO1EY-00205-15 Retina and retinal vessels (human, dogs, cats)
 ** RO1EY-00681-04 Fine structure of oxygen elevating tissues of eye (fish)
 ** RO1EY-00792-03 Factors affecting optic papilla oxygenation (cats, primates)
 ** RO1EY-01008-02 Studies of retinal ischemia (human, monkeys)
 ** RO1GM-12829-10 0003 Wound healing - Effects of added oxygen on wound healing (human)
 RO1GM-12829-10 0009 Wound healing - Hepatic regeneration (rats)
 ** RO1GM-12829-10 0012 Wound healing - Conjunctival oxygen tension (human, rabbits)
 ** RO1GM-12829-10 0016 Wound healing - Replication rate and enzyme activity in fibroblast (mammals)
 RO1GM-12829-10 0017 Wound healing - Oxygen supply and resistance to infection (rabbits)
 ** PO1GM-12523-08 0004 Genetics in medicine-Gene action in man - Blood, serum and enzyme population
 ** PO1GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
 P11GM-15477-08 0027 Drug metabolism and biochemical pharmacology - Effect of phenobarbital on oxygen needed for hemobarbital metabolism (rats)
 PO1GM-15991-06 0048 Anesthesia research center - Pulmonary oxygen toxicity (monkeys, dogs, rats)
 ** PO1GM-15991-06 0054 Anesthesia research center - Oxygen tensions in development of edema in isolated perfused dog lungs
 ** PO1GM-16934-06 0018 Sulfonamides and carbonic anhydrase-Basis for therapy - Teratogenesis induced by carbonic anhydrase inhibitors (rats)

- ** PO1GM-19599-02 0004 Surveillance and predictive diagnosis in surgical patients - Tissue perfusion studies (dogs, human)
 ** NO1HG-22925-02 Sickle cell studies (human)
 RO1HD-01269-12 Control of metabolism in tetrahymena
 RO1HD-04394-03 Regulation of the placental circulation (human, primates, rabbits, sheep)
 PO1HD-06274-03 0005 Reproductive biology - Membrane structural changes during fertilization (sea urchins)
 RO1HD-07377-01 Mechanisms of fetal cerebral vascular control (sheep)
 RO1HD-07562-01 Placental mechanisms of amino acid transfer (human)
 RO1HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
 RO1HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
 ** RO1HL-04612-15 Humoral and feedback mechanisms of erythropoiesis (mice, rabbits)
 RO1HL-04797-15 Pulmonary circulatory insufficiency (human, dogs, lambs)
 ** PO1HL-04885-15 0006 Comparative cardiovascular studies - Hereditary patent ductus arteriosus physiology (dogs)
 PO1HL-06285-14 0130 Cardiovascular-respiratory physiology and biochemistry - Ductus arteriosus-Morphological development (human, lambs)
 ** PO1HL-06285-14 0166 Cardiovascular-respiratory physiology and biochemistry - Pattern of respiration on alveolar oxygen tension (human)
 ** PO1HL-06285-14 0168 Cardiovascular-respiratory physiology and biochemistry - Non-invasive methods for measuring PCO₂ and PO₂ (human)
 PO1HL-06285-14 0179 Cardiovascular-respiratory physiology and biochemistry - Regulation of myocardial cell growth (rats)
 PO1HL-06312-13 0034 Surgical cardiology - Metabolic factors in cardiac function-Creative phosphate depletion (dogs)
 PO1HL-06374-14 0003 Expansion of research in a hematologic center - Control of red cell production (mice)
 PO1HL-06664-13 0021 Cardiopulmonary function in remediable vascular disease - Cardiac glycoside binding to normal ischemic myocardium (human, animal)
 ** PO1HL-07896-13 0017 Environmental biomedical research program - Effects of reduced pressure and oxygen concentration on visual function in man
 ** RO1HL-09026-11 Mapping of intimal O₂ tension in atherosclerosis (chickens, rabbits)
 RO1HL-10009-09 Pulmonary blood flow distribution in man
 RO1HL-10331-09 Carbon monoxide production and body CO stores (human, dogs)
 PO1HL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
 PO1HL-10342-09 0018 Cardiovascular, pulmonary, and behavioral studies - Effect of coronary flow and arterial and venous pressure on heart function (dogs)
 RO1HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
 RO1HL-10936-08 Capillary transport of large molecules (dogs)
 ** PO1HL-11678-07 0003 Cardiovascular dynamics and their control - Whole body autoregulation (dogs)
 RO1HL-12703-05 Vascular control mechanisms in skeletal muscle (dogs, cats)
 RO1HL-12775-06 Cerebral microcirculation (mice)
 RO1HL-12792-05 Local control of the microcirculation (hamsters, rats)
 RO1HL-13033-05 Neural cardiovascular control (dogs, monkeys)
 ** RO1HL-13134-04 Mechanism of chemoreceptor discharge (cats)
 RO1HL-13872-16 0008 Body composition and metabolic care in surgery - Effects of normovolemic hemodilution (human)
 RO1HL-13930-03 Biochemical and behavioral effects of carbon monoxide (rats)
 P17HL-14201-04 0004 Pulmonary disease research center - Long term evaluation of infants who have survived IRDS (human)
 P17HL-14201-04 0023 Pulmonary disease research center - Patients with COPD (also dogs)
 ** PO1HL-14414-03 0004 Cardiorespiratory performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
 ** PO1HL-14414-03 0011 Cardiorespiratory performance and environmental factors - Gas balance of tissues (rats, cats)
 RO1HL-14523-04 Generation and regulation of force in smooth muscle (animals)
 ** RO1HL-14801-02 Synergistic effects of oxygen and hydrostatic pressure (rats)
 P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
 P17HL-15061-03 0003 Response of lung to injury - Postnatal growth and development of the mammalian lung (rats, dogs)
 P17HL-15061-03 0013 Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P17HL-15061-03 0014 Response of lung to injury - Safe limits for elevated inspired oxygen concentrations in infants and children
- P17HL-15062-03 0012 Study of lipoproteins, artery wall, and atherosclerosis - The pathology of atherosclerosis (monkeys, rabbits)
- ** P17HL-15088-03 0001 Diffuse granulomatous and fibrotic pulmonary disease - Effect on the alveolar-arterial oxygen difference (dogs)
- ** P17HL-15088-03 0006 Diffuse granulomatous and fibrotic pulmonary disease - Oxygen tension and oxygen utilization in tissues from diseased lungs (dogs)
- ** P17HL-15098-03 0011 Special center of research - Environmental lung disease - V/O component to alveolar-arterial oxygen tension difference model (human)
- P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
- P18HL-15158-03 0005 Comprehensive sickle cell disease center - Thrombus formation in vitro in sickle cell anemia (human)
- P18HL-15160-03 0006 Comprehensive sickle cell disease center - 2,3-Diphosphoglycerate in sickle cell disease (human)
- P18HL-15166-03 0001 Comprehensive sickle cell disease center - Mechanism of erythrocyte sickling (human)
- P18HL-15169-03 0018 Comprehensive sickle cell disease center - Studies on sickle cell disease (human, rats, mice, dogs)
- ROIHL-15390-08 Regulation of blood flow in the microcirculation
- ROIHL-15713-01 Blood pollution, chemotherapy, and sickle cell disease (human)
- POIHL-15833-01 0015 Pharmacologic and physiologic basis of cardiac therapy - Changes induced in the denervated transplanted human heart
- ** ROIHL-15886-01 Intravascular solid state thin-film pO₂ sensors
- P18HL-16008-02 0007 Wayne State University comprehensive sickle cell center - In vivo sickling and in vitro red cell 'sickleability' (human)
- ROIHL-16022-01 Determinants of the ventilatory response to hypoxia (goats, cats)
- R23HL-16195-01 Oxygen exchange with blood in capillaries
- ** ROIHL-16421-04 Determinants of RBC deformability and capillary flow (human)
- ROIHL-16643-01 Fluorocarbon emulsions as artificial blood (animals)
- POIHL-16833-01 0008 Hemoglobin and red cell system in hemoglobinopathies - Spatial distribution of atomic species near the surface of RBC following change
- POIHL-16833-01 0009 Hemoglobin and red cell system in hemoglobinopathies - Rheological studies of sickled cells (human)
- POIHL-16833-01 0010 Hemoglobin and red cell system in hemoglobinopathies - Sublytic erythrocyte damage following trauma (human)
- POIHL-16910-01 0002 Regulation of the peripheral circulation - Coronary circulation (dogs)
- ** NOIHR-33003-01 Development of an implantable oxygen sensor
- ROIHM-13958-07 Brain mechanisms related to feeding behavior (cats)
- POINS-02808-13 0022 Special clinical research project in neurophysiology - Metabolic changes in epileptogenic tissues in interictal and ictal states (human)
- POINS-06833-08 0002 Interdisciplinary stroke program - Red blood cell elasticity (human)
- ** POINS-07377-05 0003 Clinical head injury research - Altering arterial carbon dioxide and oxygen (human)
- POINS-08852-05 0001 Cerebrovascular disease research center - The autoregulatory abnormality in stroke (human)
- ** P17NS-11120-02 Stroke acute care research unit (human)
- ROIINS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
- MOIRR-00134-10 0050 General clinical research center - Sickle cell disease (human)
- ** MOIRR-00210-10 0025 General clinical research center - Maternal-child - Changes in fetal scalp tissue oxygen tension during labor and delivery
- RESPIRATORY GAS TRANSPORT**
SEE ALSO CHEMICAL TRANSFER, HYDROGEN TRANSPORT
- POICA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- ** POIGM-15904-07 0021 Anesthesiology center for research and teaching - Blood gas exchange (human)
- POIHL-07896-13 0022 Environmental biomedical research program - Differences in inspired and expired nitrogen in man
- ** POIHL-07896-13 0024 Environmental biomedical research program - Gas exchange in man exposed to high oxygen tension
- POIHL-07896-13 0026 Environmental biomedical research program - Physiological mechanisms in performance of birds at simulated altitudes
- POIHL-08805-10 0006 Cardiovascular and pulmonary performance - Adequacy of lungfish-Estivation and submersion
- POIHL-08805-10 0018 Cardiovascular and pulmonary performance - Gas stores and ventilation in normal and obstructed breathing (goats, dogs, human)
- POIHL-08805-10 0023 Cardiovascular and pulmonary performance - Performance criteria of the ventilatory control (human)
- ** POIHL-08805-10 0031 Cardiovascular and pulmonary performance - Impairment of oxygen delivery on aerobic metabolism of brain and skeletal muscle
- ** POIHL-08899-10 0025 Oxygenation and oxygen effects in man - Physiological and toxic effects of oxygen on cardiopulmonary gas transport (dogs)
- POIHL-08899-10 0028 Oxygenation and oxygen effects in man - Inert gas exchange, oxygen influences-organs and tissues (human, rabbits, dogs)
- ROIHL-12174-07 Ventilation perfusion distribution in the lung (human, animals)
- ROIHL-13687-04 Pulmonary ventilation, blood flow and gas exchange (human, dogs)
- POIHL-14322-03 0011 Interdisciplinary program in biomaterials science - Blood oxygenation synthetic membranes and liquid-liquid surfaces (sheep)
- M POIHL-14414-03 Cardiopulmonary performance and environmental factors
- ** POIHL-14414-03 0001 Cardiopulmonary performance and environmental factors - Diffusing capacity of lung with artificial blood (rabbits)
- ** POIHL-14414-03 0004 Cardiopulmonary performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
- ** POIHL-15194-02 0007 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Speed of bicarbonate-chloride shift (human)
- ** POIHL-15194-02 0008 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Linked functions of hemoglobin (human)
- POIHL-15194-02 0009 Pathophysiology of cardiopulmonary dysfunction - Erythrocyte membrane and hemoglobin concentration on oxygen exchange (human)
- ROIHL-15520-02 Total blood replacement by fluorocarbons and polyols (rats, monkeys)
- ** ROIHL-15655-01 Blood flow and gas exchange in placenta and lungs (mammals, human)
- M ROIHL-15668-02 Extracorporeal respiratory gas exchange-New approach
- ROIHL-15668-02 0001 Extracorporeal respiratory gas exchange-New approach - Extracorporeal respiratory gas exchange (dogs)
- ROIHL-15668-02 0002 Extracorporeal respiratory gas exchange-New approach - New membrane technology for extracorporeal lung devices (dogs)
- ROIHL-16157-01 Airway structure and lung function
- ROIHL-16390-01 Cardiopulmonary control coupling in exercise (dogs)
- ** ROIHL-16555-01 Engineering development of an ultrasonic ventilometer
- ROIHL-16582-01 Artificial lungs (dogs, monkeys)
- ROIHL-16653-01 Respiratory control and body temperature (turtles)
- ROIHL-16898-01 Biofeasibility of total prosthetic lung replacement (dogs, sheep)
- POIHL-16910-01 0003 Regulation of the peripheral circulation - Thermoregulation and control of circulation to the skin (human, baboons)
- ** R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)
- R23HL-17154-01 Liquid ventilation in newborn with RDS (sheep)
- POINS-09889-04 0013 Investigation of agents which damage the ear - Interaction studies (guinea pig)
- MOIRR-00585-03 0018 General clinical research center - Alveolar ventilation in anesthetized man
- RESPIRATORY GAS TRANSPORT, CARBON DIOXIDE TRANSPORT**
- POIGM-18715-02 0004 Biochemical effects and chemical reactions of drugs - Distribution of partially ionized drugs
- ** ROIHD-04394-03 Regulation of the placental circulation (human, primates, rabbits, sheep)
- ** POIHL-10342-09 0014 Cardiovascular, pulmonary, and behavioral studies - Carbon dioxide transport (dogs)
- ** POIHL-14414-03 0002 Cardiopulmonary performance and environmental factors - CO₂ gradients with artificial blood (rabbits)
- ** ROIHL-14967-03 Chemoreceptor function in dynamic ventilatory control (dogs, rabbits)
- ** POINS-10939-02 0001 Cerebral blood flow and metabolism in stroke and shock - Transient circulatory response to changes in arterial pCO₂ (human, monkeys, cats)
- ROIINS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
- RESPIRATORY GAS TRANSPORT, OXYGEN TRANSPORT**
- ** POIAM-09001-10 0041 Biochemistry and immunology of blood diseases - Toxic effects of CO on blood oxygen transport
- ** ROIAM-15770-06 Structure and function of hemoglobin (cats)
- ROIAM-15986-03 0010 Cirrhosis, ascites and the hepatic circulation - Effect of vasoactive and hormone substances on oxymyoglobin dynamics (human)
- ROIAM-16188-03 Role of cysteine residues in hemoglobins A, F and S (human)
- ROIAM-17348-01 Properties of hemoglobin (human, rats)
- ** POICA-08748-09 7501 Research program of Sloan-Kettering Institute - Intracellular oxygen diffusion times in irradiated cells (bacteria)
- POIES-00454-06 0003 Biological effects of environmental agents - Carbon monoxide hypoxic hypoxia and drug response in vivo (rats, human)
- ** POIES-00454-06 0013 Biological effects of environmental agents - Cytochrome P450 binding compounds and oxygen transfer (sheep)
- POIES-00454-06 0015 Biological effects of environmental agents - Comparative effects of hypoxic hypoxia and CO hypoxia on the heart (dogs)
- ROIYE-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
- ROIYE-00475-08 Studies on the nutrition of the eye (primates)
- POIGM-12202-11 Cellular energy metabolism
- ** POIGM-14892-07 0010 The traumatized patient - Oxygen transport in the injured patient (dogs)
- POIGM-15904-07 0021 Anesthesiology center for research and teaching - Blood gas exchange (human)
- ** POIGM-16593-06 0008 Tissue perfusions and toxicity of contrast media (rabbits, dogs) - Contrast media effects on oxygen carrying capacity of erythrocytes (human, dogs)
- ROIEM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- ROIEM-21075-01 Metabolic basis for homeostasis in shock (rats, dogs, monkeys)
- ** POIGM-21797-01 0010 The traumatized patient - Oxygen transport in the injured patient (and dogs)
- ** NOIHB-12104-06 Study ability of stored blood to transport oxygen (rabbits, human)
- NOIHB-22925-02 Sickle cell studies (human)
- ** NOIHB-42949-00 Ability of stored blood to transport oxygen (rats)
- ROIHD-00462-19 Physiology of the placenta (human)
- POIHD-02147-08 0009 Extruterine growth and development - Hemoglobin oxygen transport (human, pinnipeds)
- ** ROIHD-04394-03 Regulation of the placental circulation (human, primates, rabbits, sheep)
- ROIHD-06333-02 Cross-flow exchange in the mammalian placenta (sheep, monkeys)
- ROIHD-08025-01 Exercise hemodynamics and respiration in pregnancy (human, goats)
- ROIHL-02228-19 Water metabolism, temperature regulation, and exercise (animals)
- ROIHL-04612-15 Humoral and feedback mechanisms of erythropoiesis (mice, rabbits)
- ** ROIHL-06139-14 Rheological changes in hemorrhagic shock (human, dogs)
- ROIHL-06242-14 Kinetic studies of blood (human)
- POIHL-06285-14 0145 Cardiovascular-respiratory physiology and biochemistry - Pulmonary, pleural and systemic microcirculation (animals)
- ** POIHL-06285-14 0165 Cardiovascular-respiratory physiology and biochemistry - Diffusing capacity of the lungs for oxygen (human)
- ROIHL-06787-12 Aging of hemoglobin in the erythrocyte (human)
- ROIHL-07451-12 Structure and oxygen-combining function of hemoglobin (human)
- POIHL-07896-13 0012 Environmental biomedical research program - Hyperoxia on oxymyoglobin dissociation in man and on red cell diphosphoglycerate
- ** ROIHL-07984-12 Red cell factors in oxygen delivery (rabbits)
- ROIHL-08299-11 Molecular biology of hemerythrin and hemocyanin (invertebrates)
- ** ROIHL-09678-09 Oxygen-carrying metal complexes
- POIHL-10342-09 0003 Cardiovascular, pulmonary, and behavioral studies - Effects of hypoxic hypoxia and carbon monoxide hypoxia on the heart (dogs)
- ** POIHL-10342-09 0015 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the placenta (sheep)
- ** POIHL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
- ** POIHL-10436-09 0008 Congenital heart disease - Physiologic adaptation to cyanotic congenital heart disease (human, dogs)
- ** ROIHL-11901-07 0011 Iliac bypass effect on cholesterol and atherosclerosis - Effect of high blood cholesterol on oxygen delivery (rabbits)
- ROIHL-12326-07 Respiratory proteins-Structure and function (squid, crabs, worms)
- ROIHL-12395-06 X-ray study of oxygen-carrying cobalt complexes
- ROIHL-12419-06 Surgical cardiovascular problems (animals)
- ROIHL-12792-05 Local control of the microcirculation (hamsters, rats)
- ** ROIHL-13157-05 Molecular oxygen carriers-Synthesis, structure, bonding

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See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** R01HL-13338-06 Oxygen transport and chemical contents of erythrocytes (human)
- ** R01HL-13412-12 Synthetic oxygen carriers
- R01HL-13591-04 Subunit interactions and hemoglobin pathology
- R01HL-13872-16 0004 Body composition and metabolic care in surgery - Endocrine interrelationships after injury (human)
- R01HL-13950-02 Effect of procedures on ischemic limb O₂ and blood flow (dogs)
- R01HL-13989-03 Role of water in respiratory protein structure
- R01HL-14131-14 Abnormal hemoglobin syndromes (human, monkeys)
- ** P17HL-14187-04 0013 Center for lung research - Limit to oxygen transport imposed by chronic obstructive lung disease (human)
- R01HL-14317-03 Cardiac output distribution hypoxia (dogs)
- R01HL-14590-03 Biologically important transition metal complexes
- R01HL-14679-03 Mechanism of oxygen supply to tissue (human, animals)
- ** P01HL-14985-03 0003 Adaptation to hypoxia - Hypoxia and oxygen transport (human, dogs)
- P01HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
- P18HL-15166-03 0001 Comprehensive sickle cell disease center - Mechanism of erythrocyte sickling (human)
- R01HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
- ** R23HL-16195-01 Oxygen exchange with blood in capillaries
- R01HL-16280-01 Regulation of respiratory function in nucleated red cell (fish, reptiles, birds)
- R01HL-16292-01 0009 Surgery and non-obstructive coronary insufficiency - Chronic anemia-Adaptive mechanisms of myocardial oxygen delivery (dogs)
- R01HL-16292-01 0010 Surgery and non-obstructive coronary insufficiency - Subendocardial ischemia with exercise-Effects of training (dogs)
- R01HL-16555-01 Engineering development of an ultrasonic ventilometer
- ** P01HL-16833-01 0003 Hemoglobin and red cell system in hemoglobinopathies - Oxygen binding curves and equilibria
- R01HL-16931-01 Red cell storage and transfusion (rabbits)
- R01NS-06856-08 Storage disease-lintracellular transport and digestion (human, animals, plants)
- ** R01NS-12009-01 Mathematical studies of oxygen diffusion in the brain (human, cats)
- M01RR-00034-14 0064 General clinical research center - Ability of stored blood to transport oxygen in vivo (human)
- ** M01RR-00034-14 0092 General clinical research center - Effects of smoking on tissue oxygen supply and erythrocytosis
- M01RR-00037-14 0001 General clinical research center - Formed elements of blood and iron metabolism (human)
- RESPIRATORY GASES**
- ** P01CA-08748-09 5531 Research program of Sloan-Kettering Institute - Cyclotron produced radioactive gases for lung function studies
- R01DE-02152-09 0001 Dental physiology and biophysics - Pharmacological and metabolic control of tooth pulp pressure (dogs)
- R01ES-00788-01 Analysis of carbon monoxide in blood
- P01GM-14892-07 0012 The traumatized patient - Cardiopulmonary support with mechanical devices (human)
- P01GM-15426-07 On-line computer study of therapy for human shock (human, monkeys)
- R01GM-19807-02 0006 Membrane permeability as a regulatory element - Respiratory substrates in preclimacteric and climacteric fruit
- ** P01HD-02274-08 0073 Mental retardation and child development - Normal and altered visual development in premature infants
- R01HL-01646-24 Lungs in head injury-Regional brain blood flow and P_{o2} (mammals)
- ** R01HL-04108-16 Measurement of rates of gas uptake by human red cells
- R01HL-07896-13 0018 Environmental biomedical research program - Studies of senile dementia
- ** P01HL-07896-13 0026 Environmental biomedical research program - Physiological mechanisms in performance of birds at simulated altitudes
- P01HL-10098-10 0022 Primates in cardiovascular research - Perinatal biology
- R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- P17HL-14152-04 0006 Pulmonary specialized center of research - Lung adaptation and extracorporeal gas exchange (lambs)
- P17HL-14152-04 0007 Pulmonary specialized center of research - Adaptation of the lung to birth and the onset of respiration (lambs)
- P17HL-14201-04 0003 Pulmonary disease research center - Factors influencing pulmonary blood flow in infants (human)
- R01HL-14979-02 Red cell sickling, hemodynamics and pathology (deer, human)
- P01NS-07463-04 0001 Cerebrovascular research center - Computerized monitoring in cerebrovascular disease (human)
- R01NS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
- P06RR-00421-13 Primate research program resource
- RESPIRATORY GASES, CARBON DIOXIDE**
- R01AM-02096-15 Metabolic studies of congenital bovine porphyria (hens, sheep)
- R01AM-02896-14 The surface chemistry of bone mineral
- R01AM-04679-14 Blood flow and absorption in the ruminant stomach (cattle)
- P01AM-07462-11 0058 Hormonal regulation of metabolism - Conversion of lipids in lamb lungs
- R01AM-16224-03 Chemical basis of cyanate therapy in sickle cell anemia (human, animals)
- R01AM-17568-01 Epithelial organization of urinary acidification (turtles)
- R01AM-17676-01 Regulation of electrolyte water and acid-base balance
- P01CA-08748-09 5531 Research program of Sloan-Kettering Institute - Cyclotron produced radioactive gases for lung function studies
- R01CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
- R01CA-15980-01 Treatment of malignant disease of brain (monkeys)
- R01DA-00067-04 Marijuana effects on lung and electroencephalogram (human)
- R01DE-02716-06 Mineralogy of calcifying tissues-Teeth and bones (human, sheep)
- ** R23RE-01400-01 Effects of blood P_{O2}, PCO₂ and PH on retinal vessels (cows)
- ** R01GM-05919-16 0017 Enzymatic activities of mitochondria - Mitochondrial transport of CO₂ and the role of carbonic anhydrase (rats)
- P01GM-09069-12 0063 Research in anesthesiology - Hyperventilation and CO₂ production (dogs)
- ** P01GM-09069-12 0104 Research in anesthesiology - Body carbon dioxide stores
- ** P01GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
- P01GM-15571-06 0052 Anesthesia research-Program project - Blood flow and PCO₂ and pH of medullary ventral surface (cats)
- P01GM-15571-06 0054 Anesthesia research-Program project - Chronic elevation of HCO₃ on chemosensitivity of medullary respiratory HO
- P01GM-15571-06 0056 Anesthesia research-Program project - Control of cerebral arteriolar flow periodicity
- P01GM-15571-06 0057 Anesthesia research-Program project - Role of anaerobic metabolism in normal brain ECF pH regulation
- ** P01GM-16934-06 0012 Sulfonamides and carbonic anhydrase-Basis for therapy - Physiological substrates other than carbon dioxide
- ** P01GM-16934-06 0013 Sulfonamides and carbonic anhydrase-Basis for therapy - Respiratory effects and carbonic anhydrase inhibition (human)
- P01GM-16934-06 0014 Sulfonamides and carbonic anhydrase-Basis for therapy - Salicylate intoxication-Treatment by benzolamide (mice)
- R01GM-19328-03 Burn debridement-Chemical, enzymatic, CO₂ laser (human, swine, dogs, rats)
- R01GM-19807-02 0006 Membrane permeability as a regulatory element - Respiratory substrates in preclimacteric and climacteric fruit
- R01GM-19807-02 0012 Membrane permeability as a regulatory element - Respiratory development and derepression (plants)
- R01GM-20378-01 Active site identification in metalloenzymes (E coli)
- R01GM-20500-01 Biogenetic C-13 enrichment of natural product drugs
- R01GM-20888-17 Chemistry and biochemistry of energy transfer
- R01HD-00727-09 Placental transfer of mineral elements (guinea pigs)
- ** R01HD-03807-06 Placental exchange of respiratory gases (human, sheep, rabbits)
- R01HD-04839-05 0001 Metabolism of drug substrates by human placenta - Analysis of placental cytochrome P-450
- ** R01HD-06447-02 Regulation of development of skeletal muscle (chick embryo)
- R01HD-42870-01 Infant primate upper airway-Anatomy and physiology
- R01HL-01782-19 0001 Cardiovascular and pulmonary problems - Collateral pulmonary ventilation (dogs)
- R01HL-04032-21 Regulation of respiration at rest and during exercise (human, dogs, sheep)
- P01HL-08805-10 0018 Cardiovascular and pulmonary performance - Gas stores and ventilation in normal and obstructed breathing (goats, dogs, human)
- P01HL-08805-10 0019 Cardiovascular and pulmonary performance - Determinants of arterial chemoreceptor activity (human)
- P01HL-08805-10 0021 Cardiovascular and pulmonary performance - Chemical regulation of ventilation in patients with respiratory insufficiency
- ** P01HL-08899-10 0011 Oxygenation and oxygen effects in man - Calcium flux into central nervous system and CO₂ and nitrogen pressures (cats)
- P01HL-08899-10 0012 Oxygenation and oxygen effects in man - High oxygen for normal brain metabolism and circulation in man
- ** P01HL-08899-10 0013 Oxygenation and oxygen effects in man - Oxygen and carbon dioxide effects upon human brain metabolism
- P01HL-08899-10 0019 Oxygenation and oxygen effects in man - High oxygen pressure upon carotid chemoreceptor (cats)
- P01HL-08899-10 0024 Oxygenation and oxygen effects in man - Effects of oxygen pressures on physiological control systems (dogs, human)
- R01HL-12174-07 Ventilation perfusion distribution in the lung (human, animals)
- R01HL-12564-05 Control of respiration and blood gases (human)
- R01HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- R01HL-12879-05 Pulmonary transport and metabolism in vivo (dogs, human)
- R01HL-13405-04 Regulation of lipid metabolism in the lung (rats)
- ** P17HL-14138-04 0013 Center for research on atherosclerosis - Carbon dioxide as a contrast medium in femoral angiography (human)
- P17HL-14214-04 0015 Neonatal lung center - Lipid synthesis in lungs of newborn (human, sheep)
- R01HL-14839-12 Structure reactivity relations in hemoglobins (human, guinea pigs, pigeons)
- ** R01HL-14870-03 Dynamics of oxygen and carbon dioxide regulation (chickens)
- ** P01HL-15194-02 0006 Pathophysiology of cardiopulmonary dysfunction - Influence of oxygenation, pH, diphosphoglycerate on carbon dioxide exchange
- P01HL-15194-02 0007 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Speed of bicarbonate-chloride shift (human)
- P01HL-15194-02 0008 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Linked functions of hemoglobin (human)
- R01HL-15613-02 Hemoglobin S and the mechanism of sickling
- R01HL-15968-02 Dietary control of hepatic lipoproteins synthesis (gerbils)
- P18HL-15999-02 0014 Miami comprehensive sickle cell center - Biochemical and morphological parameters of sickle cells (human)
- R01HL-16278-01 Allosteric interactions of human hemoglobin
- R01HL-16604-01 Function of pulmonary chemosensitivity (chickens, ducks)
- ** R03MH-25822-01 Carbon dioxide sensitivity and psychopathology
- ** P01NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
- ** P01NS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
- ** P01NS-07253-06 0026 Center for clinical studies of head injuries - Cerebral blood flow and carbon dioxide in head injury (monkeys)
- R01NS-09570-10 Blood flow changes in otic and nasal tissue (human, dogs)
- R01NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- R01NS-11169-01 Cerebral dynamics in subarachnoid hemorrhage (monkey)
- M01RR-00046-14 0005 General clinical research center - Breathing and ventilatory response to oxygen and carbon dioxide (human)
- M01RR-00051-13 0127 General clinical research center - Methods for measuring bile acid synthesis (rats, human)
- M01RR-00065-12 0047 General clinical research center - Conversion of 14C tripalmitine to 14CO₂ by cancer patients
- M01RR-00210-10 0006 General clinical research center-Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
- M01RR-00400-06 0040 General clinical research center-adult - Respiratory regulation in patients with altered sensitivity to CO₂ and O₂ (human)
- RESPIRATORY GASES, OXYGEN**
- SEE ALSO GAS ELEMENTS, OZONE
- R01AI-09829-05 Unsaturated fatty acid biosynthesis in bacilli
- R01AM-06978-12 Fatty acids metabolism in tocopherol deficiency (rats, rabbits, cattle)
- ** R01AM-07180-12 Mechanisms of oxygen metabolism (rabbits)
- ** P01AM-09001-10 0040 Biochemistry and immunology of blood diseases - Blood oxygen dissociation
- R01AM-17091-01 Superoxide and superoxide dismutase in human disease
- R01CA-06437-13 Molecular basis of radiation lethality (bacteria)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-08748-09 5531 Research program of Sloan-Kettering Institute - Cyclotron produced radioactive gases for lung function studies
- RO1CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
- PO2CA-15145-01 0025 Cancer center support grant - Hemoprotein-oxygen interactions-Mechanism chemical carcinogen activation
- RO1CA-15874-01 Enzymatically generated singlet oxygen in carcinogenesis
- RO1ES-01079-01 Response of fetal and postnatal lungs to O3 and NO2 (rats)
- RO1EY-00966-02 Corneal effects of flexible contact lenses (human)
- ** R23EY-01400-01 Effects of blood PO2, PCO2 and PH on retinal vessels (cows)
- RO1GM-05919-16 0019 Enzymatic activities of mitochondria - P/O ratio of oxidative phosphorylation in intact mammalian cells
- PO1GM-09069-12 0081 Research in anesthesiology - Thiopental-succinylcholine-oxygen anesthesia (human)
- PO1GM-09069-12 0091 Research in anesthesiology - Thiopental-succinylcholine-oxygen anesthesia
- RO1GM-10287-12 Biological function of superoxide dismutase (plants, animals)
- PO1GM-15430-07 0022 Research in anesthesia - Analytical chemistry
- RO1GM-15471-07 Metal complexes of Schiff bases
- RO1GM-15883-10 Genetic structure and function in human cells
- RO1GM-16260-06 Derivation of nonbonded potential parameters
- RO1GM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
- ** RO1GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)
- ** RO1GM-19181-03 Spectroelectrochemistry of bio-electron transfers
- RO1GM-20080-02 Photooxidation in model biological systems
- RO1GM-20168-02 Structural kinetic studies by nuclear magnetic resonance
- ** RO1GM-21738-01 Antagonism of cyanide intoxication with oxygen
- RO1HD-00462-19 Physiology of the placenta (human)
- ** RO1HD-01860-08 Placental exchange, particularly with O2 and CO (sheep, piglets, human)
- ** RO1HD-03807-06 Placental exchange of respiratory gases (human, sheep, rabbits)
- PO1HD-05221-05 0027 Center grant in mental retardation - Neurophysiology
- ** RO1HD-07714-01 Biological reactions of laser generated singlet oxygen
- RO1HD-08492-01 Effects of exchange transfusion in premature infants (human)
- RO1HL-04442-16 Mitochondrial assembly and replication (fungi, mammals)
- PO1HL-08805-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish-Estivation and submergence
- PO1HL-08805-10 0018 Cardiovascular and pulmonary performance - Gas stores and ventilation in normal and obstructed breathing (goats, dogs, human)
- M PO1HL-08899-10 Oxygenation and oxygen effects in man
- PO1HL-08899-10 0006 Oxygenation and oxygen effects in man - Effects of extreme pressures of inert gases in macaque monkey
- ** PO1HL-08899-10 0013 Oxygenation and oxygen effects in man - Oxygen and carbon dioxide effects upon human brain metabolism
- ** PO1HL-08899-10 0016 Oxygenation and oxygen effects in man - Oxygen tolerance in man
- PO1HL-08899-10 0019 Oxygenation and oxygen effects in man - High oxygen pressure upon carotid chemoreceptor (cats)
- PO1HL-08899-10 0024 Oxygenation and oxygen effects in man - Effects of oxygen pressures on physiological control systems (dogs, human)
- PO1HL-08899-10 0029 Oxygenation and oxygen effects in man - Isobaric gas counter diffusion phenomena (human, pigs)
- ** RO1HL-12174-07 Ventilation perfusion distribution in the lung (human, animals)
- RO1HL-12749-05 Regulatory mechanisms in blood circulation (dogs)
- RO1HL-13157-05 Molecular oxygen carriers-Synthesis, structure, bonding
- ** RO1HL-13581-07 Reactions of oxygen with heme proteins
- P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
- ** RO1HL-14870-03 Dynamics of oxygen and carbon dioxide regulation (chickens)
- RO1HL-15198-02 Heme proteins, erythrocytes and sickle cell anemia (rabbits)
- RO1HL-15613-02 Hemoglobin S and the mechanism of sickling
- ** RO1HL-16217-01 O2 dissociation curve and erythropoietin production (human, rats, mice)
- RO1MS-08706-05 Analysis of fast and slow phases of anaplasma flow (cats)
- MO1RR-00046-14 0005 General clinical research center - Breathing and ventilatory response to oxygen and carbon dioxide (human)
- MO1RR-00210-10 0006 General clinical research center-Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
- MO1RR-00400-06 0040 General clinical research center-adult - Respiratory regulation in patients with altered sensitivity to CO2 and O2 (human)
- RESPIRATORY GASES, OXYGENATION**
SEE ALSO OXIDATION-REDUCTION, OXIDATION
SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, HYPERBARIC OXYGENATION
- RO1AM-02831-22 Sulfhydryl groups and properties of hemoglobin (human, ungulates, dogs)
- PO1AM-15512-03 0008 University of Wisconsin program project in nephrology - Kidney preservation (dogs, human)
- RO1AM-16224-03 Chemical basis of cyanate therapy in sickle cell anemia (human, animals)
- RO1AM-16995-01 Bonding in iron porphyrins
- ** RO1AM-17533-01 Metalloporphyrin-Heme protein model relationships
- ** RO1CA-03353-17 Experimental radiotherapy-Cellular responses in vivo (mice)
- PO2CA-06518-11 0019 Radiation and radiobiology research center - In vitro studies on hyperthermia and radiation (human)
- ** PO2CA-06518-11 0034 Radiation and radiobiology research center - Effect of elevated temperature on oxygen enhancement (mice)
- ** PO2CA-06519-12 0063 Radiation therapy and biology research program - Oxygen tension and tumor radiosensitivity
- ** PO1CA-08748-09 5550 Research program of Sloan-Kettering Institute - Rediffusion of oxygen in thin bacterial layer
- ** PO2CA-11911-04 0009 Clinical cancer center - Oxygenation and 5-fluorouracil therapy
- RO1CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
- ** RO1CA-13353-02 Vascularity and reoxygenation in x-irradiated tumors (rats)
- RO1CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
- RO1CA-15030-01 Mode of action of chemical carcinogenesis
- ** RO1CA-16954-01 Hemoprotein-catalyzed oxygenations of carcinogens
- PO1ES-00354-07 0005 Human responses to thermal environment - Models of physiological and behavioral temperature regulation
- RO1FD-00674-01 Structure of a cell-lethal tryptophan photoproduct (bacteria)
- RO1GM-13956-09 Bio-organic reactions related to sterol biosynthesis
- RO1GM-14276-10 Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs)
- P11GM-15431-08 0042 Research center for clinical pharmacology and drug toxicology - Identification of p-Nitrocatechol as a metabolite of p-Nitroanisol (rats)
- ** PO1GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- RO1GM-16133-07 0006 Immobilized enzymes to analyze and alter metabolism - Oxygenation by transmembrane catalysis of hydrogen peroxide (dogs)
- RO1GM-18051-04 Heme protein reactions
- RO1HD-01860-08 Placental exchange, particularly with O2 and CO (sheep, piglets, human)
- RO1HL-05791-14 Structure and function in hemoglobins (sheep, human)
- M PO1HL-08899-10 Oxygenation and oxygen effects in man
- PO1HL-08899-10 0025 Oxygenation and oxygen effects in man - Physiological and toxic effects of oxygen on cardiopulmonary gas transport (dogs)
- RO1HL-10383-08 Physical-chemical studies of hemoglobins (human)
- PO1HL-10539-09 0039 Pathophysiology of circulation - Myocardial hypoxia and reoxygenation
- PO1HL-10539-09 0044 Pathophysiology of circulation - Effect of calcium on hypoxic heart muscle
- ** PO1HL-11678-07 0041 Cardiovascular dynamics and their control - Oxygen delivery to tissues in shock (animals)
- RO1HL-13132-03 Calorimetric studies of heme-protein ligand reactions (human, sheep, cattle)
- RO1HL-13164-04 Interaction of the alpha and beta chains of human hemoglobin
- RO1HL-13166-05 Ultracentrifuge studies of reversible aggregation (lobsters)
- ** RO1HL-13257-05 Inhalation anesthesia on myocardial metabolism (dogs, human, rats)
- RO1HL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)
- RO1HL-13527-04 hemoglobins
- RO1HL-13847-04 Engineering studies of liquid breathing systems (dogs)
- RO1HL-13872-16 0002 Body composition and metabolic care in surgery - Muscle surface cationic electrometry (human)
- P17HL-14152-04 0009 Pulmonary specialized center of research - Patterns of artificial ventilation (human, dogs)
- ** RO1HL-14679-03 Mechanism of oxygen supply to tissue (human, animals)
- ** RO1HL-14803-02 Sickle cell crisis-occurrence and resolution
- ** RO1HL-14839-12 Structure reactivity relations in hemoglobins (human, guinea pigs, pigeons)
- ** PO1HL-15194-02 0006 Pathophysiology of cardiopulmonary dysfunction - Influence of oxygenation, pH, diphosphoglycerate on carbon dioxide exchange
- PO1HL-15194-02 0008 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Linked functions of hemoglobin (human)
- PO1HL-15194-02 0009 Pathophysiology of cardiopulmonary dysfunction - Erythrocyte membrane and hemoglobin concentration on oxygen exchange (human)
- PO1HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
- ** RO1HL-15640-02 Reactions of polydentate thioimino metal complexes
- RO1HL-15980-02 Isolation, structure and model reactions of heme A (cattle)
- P18HL-15999-02 0014 Miami comprehensive sickle cell center - Biochemical and morphological parameters of sickle cells (human)
- ** RO1HL-16296-01 Oxygenation properties of multiple hemoglobins (eel)
- PO1HL-16833-01 0011 Hemoglobin and red cell system in hemoglobinopathies - Relationship between hemoglobin and RBC membrane in sickling cells (human, rats)
- ** RO1HL-16860-01 Mossbauer studies of respiratory hemoproteins
- RO1HL-16927-01 Functional studies on A and S hemoglobins (human)
- PO1MH-13002-06 0009 Clinical and laboratory studies of affective disorder - Electrotherapy in patients with heart disease
- PO1NS-03364-12 0010 Neurological research center in cerebrovascular disease - Pathophysiology of cerebral ischemia and hemorrhage (cats, monkeys)
- PO1NS-10939-02 0005 Cerebral blood flow and metabolism in stroke and shock - Diphosphoglycerate and hemoglobin-oxygen affinity on cerebral oxygenation
- RESPIRATORY HISTOPLASMOSIS**
SEE MYCOSES, HISTOPLASMOSIS
- RESPIRATORY HYPERSENSITIVITY**
SEE HYPERSENSITIVITY, RESPIRATORY HYPERSENSITIVITY
- RESPIRATORY HYPOXIA**
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY
- RESPIRATORY INFECTIONS**
SEE ALSO ACTINOMYCETALES INFECTIONS, TUBERCULOSIS
SEE ALSO RESPIRATORY DISORDERS, LARYNGOTRACHEITIS
SEE ALSO RESPIRATORY DISORDERS, PNEUMONIA
SEE ALSO RICKETTSIAL DISEASES, Q FEVER
SEE ALSO VIRUS DISEASES, COMMON COLD
SEE ALSO VIRUS DISEASES, HERPESVIRUS, INFECTIOUS BOVINE RHINOTRACHEITIS
SEE ALSO VIRUSES, RESPIRATORY (GENERAL)
- M RO1AI-04059-13 Viral respiratory diseases
- ** RO1AI-04059-13 0001 Viral respiratory diseases - Characterization of viruses causing common respiratory diseases in man
- ** RO1AI-04059-13 0002 Viral respiratory diseases - Host response to viral respiratory infection (mice, human)
- ** RO1AI-05100-12 Respiratory infection and respiratory pathogens of man
- ** RO7AI-10048-14 0001 International center for medical research - Respiratory virus research and hypothesis of epidemiology (human)
- P15AI-10304-04 Clinical center for allergic diseases (human)
- P15AI-10404-04 Allergic disease center (children)
- ** RO1AI-10996-02 Respiratory syncytial virus assembly and maturation
- ** RO1AI-11829-01 Infectivity and interrelationships of coronaviruses (human)
- RO1AI-12048-01 Factors which modify leukotaxis of human cells
- NO1AI-42530-00 Transport of interferon across the mucous membrane (human, rabbits)
- ** PO1AM-08305-11 0004 Cystic fibrosis and pulmonary disease - Bacteriology and antibacterial defense mechanisms in CF (human)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- RO1CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
- PO1ES-00454-06 0002 Biological effects of environmental agents - Dehydration, food deprivation and clearance of environmental agents (rodents)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- ** P01ES-00628-04 0001** Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodent monkeys)
- ** P01ES-00628-04 0002** Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to viral infections (mice)
- R01ES-00741-02** Interaction of SO₂ and virus on respiratory mucosa (chickens)
- P01GM-15571-06 0079** Anesthesia research-Program project - Intensive care unit
- P01GM-15904-07 0019** Anesthesiology center for research and teaching - Prevention of pulmonary infection in respiratory failure (human)
- ** P01HD-03110-07 0001** Child development and mental retardation - Health research program
- P01HD-03298-13 0004** Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- R01HD-08847-01** Immunological aspects of fetal and infantile death (human)
- ** P01HL-09814-09 0004** Research program- Cardiovascular and related disease - Chronic respiratory disease (human)
- P17HL-14136-04 0003** Obstructive lung diseases - Acute pediatric respiratory disease and COLD
- P17HL-14212-04 0005** Correlated studies of pulmonary disease - Immunology and microbiology of diffuse idiopathic fibrosis (human)
- P17HL-14218-04 0005** Newborn lung center - Bacterial infection in infants with respiratory distress (human)
- ** R01HL-14703-08** The role of infection in emphysema (human)
- ** R01HL-15024-03** Microbial interaction in acute respiratory disease (human, hamster)
- ** R01HL-15111-03** Host factors in pathogenesis of respiratory disease (human, hamsters)
- ** P18HL-15169-03 0015** Comprehensive sickle cell disease center - Pathophysiology of acute pulmonary infiltrates in sickle cell disease (human)
- ** R01HL-16327-01** Immunologic mechanism of pulmonary cavitation (rhesus monkeys)
- R01HL-16463-01** Chronic obstructive pulmonary disease (human, dogs)
- ** P01HL-16748-01 0003** Cellular and immunological bases of pulmonary diseases - Alveolar macrophages and opportunistic microorganisms (human, guinea pigs)
- R01HL-16787-01** Inborn alpha 1-antitrypsin levels and pulmonary disease resistance (mice)
- W01HR-32900-02** Pilot study to standardize the measurement of 'closing volume' (human)
- W01HR-32902-01** Pilot study to standardize the measurement of 'closing volume' (human)
- R01OH-00342-04** Effects of environmental pollutants in rodents (rats)
- ** R01OH-00360-04** Immune injury in occupational respiratory diseases (rabbits, mice)
- ** W01RR-00064-10 0020** General clinical research center - Role of infection in emphysema (human)
- ** W01RR-00075-11 0031** General clinical research center for children - Pulmonary involvement and therapy in newborn infants with cystic fibrosis
- W01RR-00075-11 0052** General clinical research center for children - Attempts of respiratory tract sterilization in cystic fibrosis
- ** W01RR-00095-14 0076** General clinical research center - Respiratory vaccine evaluation
- ** W01RR-00350-08 0090** General clinical research center - Functional studies of human alveolar macrophages
- ** W01RR-00350-08 0096** General clinical research center - Effect of viral and mycoplasma respiratory tract infection (human)
- ** W01RR-00833-01 0002** General clinical research center - Bronchial asthma-Transcricoid aspiration for microbial culture (human)
- RESPIRATORY INSUFFICIENCY (GENERAL)**
SEE RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY (GENERAL)
- RESPIRATORY INSUFFICIENCY POST-TRAUMATIC**
SEE RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY, SHOCK LUNG
- RESPIRATORY MUSCLES**
SEE ALSO BODY CAVITIES, DIAPHRAGM
- ** P01IAM-16716-01 0008** Pathophysiological bases of muscle diseases - Neuromuscular system in task performance and its damage in MD (chickens)
- P01DE-01774-13** Research program on dynamics of speech articulation (human)
- P01HD-03352-07 0023** Wisconsin center on mental retardation - Respiratory physiology during speech production (children)
- R01HD-08339-01** Sudden infant death syndrome and sleep apnea (infants, adults)
- R01HL-02001-20** Cardiopulmonary physiology (human, dogs)
- ** R01HL-08789-08** Respiratory muscles and ventilatory mechanics in man
- P01HL-10342-09 0009** Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
- P01HL-10342-09 0012** Cardiovascular, pulmonary, and behavioral studies - Phrenic nerve-tidal volume studies (dogs, cats)
- ** P01HL-10342-09 0013** Cardiovascular, pulmonary, and behavioral studies - Hypercapnia, serum phosphorus, and muscle performance (dogs, rats)
- ** P01HL-10539-09 0034** Pathophysiology of circulation - Ventilatory factors which limit heavy physical work (human)
- R01HL-14330-02** Neural mechanisms controlling motor act of breathing (cats, human)
- ** P01HL-14414-03 0007** Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
- ** P01HL-14580-03 0003** Program project in respiratory mechanics - Chest wall mechanics and mechanical factors in the control of breathing (human)
- ** P17HL-15088-03 0011** Diffuse granulomatous and fibrotic pulmonary disease - Role of respiratory muscles in respiratory failure (human)
- R01HL-17689-02** Neurophysiologic studies of respiratory control (cats)
- R01NS-06527-08** Studies on larynx and pharynx neurophysiology (human, dogs)
- R01NS-08728-05** Neuromuscular mechanisms of larynx (monkeys)
- ** P01NS-10175-03 0017** Neuromuscular disease research center - Study of Isaac's syndrome (human)
- R01NS-11458-01** Neurophysiologic studies of respiratory control (mammals)
- R01NS-11634-01** Middle ear substrate muscle, bone and joints (human, bats, cats)
- P01NS-11766-01 0006** Clinical research center for neuromuscular disease - Acetylcholine receptor in isolated form (electric eel, rats, rabbits, human)
- RESPIRATORY NECROTIZING GRANULOMATOSIS**
SEE CONNECTIVE TISSUE DISORDERS, WEGENER'S GRANULOMATOSIS
- RESPIRATORY NEOPLASMS**
SEE ALSO NASAL GROWTHS AND NEOPLASMS
- ** P02CA-11067-05 0020** Clinical cancer research center - Pulmonary immune functions (dogs)
- R01CA-12339-03** Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
- R01CA-15556-01** Antigens and immunity in bronchogenic carcinoma (human)
- ** W01CP-33232-04** Pulmonary tumors in mice for carcinogenic bioassay
- ** W01CP-33260-04** Studies on pulmonary carcinogenesis (rats, hamsters)
- ** W01CP-33296-02** Particulate materials for respiratory carcinogenesis
- ** W01CP-33364-01** Polycyclic hydrocarbon metabolism in respiratory tract
- W01CP-43253-00** Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- R01GM-10797-09 0006** Pattern recognition in clinical medical laboratories - Lung X-rays
- RESPIRATORY NEOPLASMS, BRONCHIAL**
P02CA-15145-01 0043 Cancer center support grant - Adjuvant cancer chemotherapy trials in treatment of colon and lung cancer (human)
- R01CA-16342-01** Immunoprophylaxis and immunotherapy of lung cancer
- P17HL-14179-04 0011** Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
- RESPIRATORY NEOPLASMS, LARYNX**
NEOPLASMS
- R01CA-05654-14** Evaluation of supervoltage therapy (human)
- P02CA-06294-13 0002** Radiotherapy research - Upper respiratory and digestive passages (human)
- P01CA-12662-03 0009** Cancer research center - Physical aspects of proton therapy (human)
- P02CA-13053-03 0068** Clinical cancer radiation therapy research center - Randomized study-Preoperative radiation for head and neck tumors (human)
- ** R01CA-13494-02** Cell analysis of some virus-associated tumors of man
- R01CA-15294-01** Western Cancer Study Group
- R13CA-15946-01** Centennial conference on laryngeal cancer
- ** P01CA-16127-01 0024** Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
- W01CP-33257-03** Viral etiology of human malignancies (monkeys)
- W01CP-43342-00** Etiology of esophageal cancer in the Caspian Littoral of Iran
- ** R01NS-10551-08** Cancer of the larynx by serial sections (human)
- R01NS-10941-01** Reed fistula speech following pharyngolaryngectomy (human)
- ** W01RR-00076-12 0090** General clinical research center - Case control study of laryngeal cancer (human)
- RESPIRATORY NEOPLASMS, LUNG NEOPLASMS**
SEE ALSO RESPIRATORY DISORDERS, PULMONARY FIBROSIS AND GRANULOMAS
- ** N01AA-30031-00** Study on interactions of alcoholism with cancer (phase II)
- ** N01AA-30039-00** Study on interactions of alcoholism with cancer
- P02AM-13430-05 0012** Research and heredity clinic - Human cancer
- R01AM-16153-03** Mechanism of termination of calcium mediated secretion (cows)
- R10CA-02822-19** Eastern cooperative oncology group (human)
- R10CA-02824-19** Eastern cooperative oncology group
- R10CA-04326-16** Acute leukemia group B
- R10CA-04915-15** Southwest cancer chemotherapy cooperative study group
- R10CA-05186-14** Western cancer study group
- R10CA-05588-14** Eastern cooperative oncology group
- R01CA-05949-13** Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice)
- R01CA-06081-13 0006** Ultrastructural pathology - Effect of urethane on cell proliferation in mouse lung
- ** R01CA-06263-13** Computer analysis of tumor roentgenograms (human)
- P02CA-06516-12 0007** Cancer center support grant-Comprehensive - Adult solid tumors
- ** R10CA-06594-12** Eastern cooperative oncology group
- ** P02CA-06973-12 0015** Integrated clinical cancer research program - Selected solid tumors (human)
- R10CA-07190-12** Eastern cooperative oncology group
- R01CA-08231-10 0006** Radiobiology research program - Ozone as a mutagen in vivo and in vitro (hamsters)
- ** P02CA-08341-09 0036** Clinical pharmacology and cancer chemotherapy - CAM in solid tumors
- P01CA-08748-09 5402** Research program of Sloan-Kettering Institute - Protein-lipid complexes of proteolipid type in malignancy (human, rats, mice)
- P01CA-08748-09 5543** Research program of Sloan-Kettering Institute - Localization of gallium-67 citrate in tissues (human)
- P01CA-08748-09 5729** Research program of Sloan-Kettering Institute - Carcinoembryonic (CEA) antigen (human)
- P01CA-08748-09 7804** Research program of Sloan-Kettering Institute - Resistance to cancer and delayed hypersensitivity (human)
- ** P02CA-08832-08 0079** An integrated study of advanced malignant diseases - Pulmonary manifestations of lymphoma (human)
- P02CA-08832-08 0133** An integrated study of advanced malignant diseases - Surgery, chemotherapy and pulmonary radiation in osteosarcoma (human)
- P02CA-08832-08 0135** An integrated study of advanced malignant diseases - LDH changes in patients receiving pulmonary radiation
- P02CA-08832-08 0154** An integrated study of advanced malignant diseases - Hexamethylmelamine, dibromodulcitol, and cyclophosphamide for lung cancer
- R10CA-10186-08** Western cancer study group
- ** P02CA-10438-08 0011** Clinical radiation therapy research center - Kinetics of lymphocytes in human tumors
- P02CA-10438-08 0030** Clinical radiation therapy research center - Urinary cholesterol as a diagnostic tool
- R01CA-10537-05** RES function, tumor induction and growth (mice)
- P01CA-10815-06 0017** Consolidated basic cancer research program - Immunotherapeutic and immunoprophylactic techniques in canine and murine tumors
- P02CA-10895-06 0002** Adult leukemia research center - Bone marrow storage and infusion (human)
- R10CA-10948-06** Eastern cooperative oncology group
- ** P02CA-11051-06 0021** Clinical radiation research center - Lung cancer profiles in survival
- ** P02CA-11051-06 0052** Clinical radiation research center - Radiation pathology-Pulmonary irradiation and metastasis (mice)
- ** P02CA-11051-06 0059** Clinical radiation research center - Effect of whole lung irradiation on occult metastases (mice)
- R10CA-11083-07** Eastern cooperative oncology group (human)
- R10CA-11109-06** Eastern cooperative oncology group
- P02CA-11198-06 0002** Cancer research center - Tumor biology and bank (mice)
- ** P01CA-11428-04** Epidemiology of cancer (human)
- R10CA-11488-05** EORTC coordinating agency and data center
- ** P01CA-11535-05** Social epidemiology in prevention of cancer (human)
- ** P02CA-11911-04 0021** Clinical cancer center - Lung tumor secretion of polypeptide hormones
- R01CA-12092-03** Non-esterified cholesterol, index of genital carcinoma (human)
- ** P02CA-12178-04 0008** Radiotherapy-oncology center - Whole lung irradiation
- P02CA-12197-03 0020** Multidisciplinary oncology research center - Socio-economic problems in designing cancer studies and care
- P02CA-12197-03 0029** Multidisciplinary oncology research center - Oncology statistics center
- R10CA-12252-03** Radiation therapy oncology group
- R10CA-12261-03** Radiation therapy oncology group
- R10CA-12271-04** Central oncology group

(contd)

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**Oriented significantly to above subject.

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- R10CA-12272-04 Central oncology group
 R10CA-12273-04 Central oncology group
 R10CA-12275-04 Central oncology group
 R10CA-12277-04 Central oncology group
 R10CA-12283-04 Central oncology group
 R10CA-12285-04 The central oncology group
 R10CA-12286-04 Central oncology group
 R10CA-12287-04 Central oncology group
 R10CA-12286-04 Central oncology group
 R10CA-12289-04 Central oncology group
 R10CA-12294-04 Central oncology group
 R10CA-12295-04 Central oncology group
 R10CA-12296-04 Cancer chemotherapy with Eastern Oncology Group
 P01CA-12582-04 0002 Multidisciplinary cancer diagnosis and therapy - Antigenic specificity of different histologic types of neoplasms (human)
 P01CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
 P02CA-13053-03 0061 Clinical cancer radiation therapy research center - Fluorouracil in pediatric solid tumors
 P02CA-13053-03 0075 Clinical cancer radiation therapy research center - Combined pulmonary irradiation and fluorouracil therapy in lung tumors (human)
 P02CA-13053-03 0079 Clinical cancer radiation therapy research center - Osteogenic sarcoma-Methotrexate chemotherapy and radiotherapy (children)
 R10CA-13237-03 Southeastern cancer study group
 R10CA-13300-02 Control of microscopic and macroscopic metastasis (mice)
 P01CA-13330-03 0002 Cancer research program - Cancer therapy evaluation programs (human)
 P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
 P01CA-13343-02 0007 Environmental cancer - Inhibition of cancer by protease inhibitors and steroid hormones (rodents)
 P01CA-13343-02 0010 Environmental cancer - Metal carcinogenesis (mice, bacteria, rats)
 P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
 P01CA-13343-02 0017 Environmental cancer - Evaluating exposure of miners to radon with lead - 210
 P01CA-13343-02 0020 Environmental cancer - Computer model for calculating lung tissue dose from inhaled carcinogens (human)
 P01CA-13343-02 0022 Environmental cancer - Use of aerosols for lung cancer diagnosis and screening surveys (donkeys, human)
 R01CA-13533-03 Ectopic placental proteins in cancer (human)
 R10CA-13611-02 Eastern cooperative oncology group
 R10CA-13612-01 Southwest Cancer Chemotherapy Study Group
 R10CA-13643-02 Southwest cancer chemotherapy study group
 R01CA-13683-02 Lung cancer-Videodensitometry for mass screening
 P02CA-13696-02 0007 Clinical cancer research center - Epidemiological studies of breast cancer (human)
 R01CA-13700-02 Parathyroid hormone and cancer (human)
 P02CA-13943-02 0063 Clinical pharmacology immunology cancer research center - Chemotherapy of lung carcinoma (human)
 P02CA-13943-02 0064 Clinical pharmacology immunology cancer research center - Pulmonary function tests in patients treated with bleomycin
 P02CA-13943-02 0065 Clinical pharmacology immunology cancer research center - Cellular immunity in bronchogenic carcinoma (human)
 P01CA-14043-01 0008 Radiation therapy clinical and research center - Anergy secondary to mediastinal radiation
 R10CA-14144-02 Eastern cooperative oncology group
 R01CA-14303-02 Ferromagnetic silicone vascular occlusion in neoplasms (dogs, human)
 R01CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
 R10CA-14442-02 Western Cancer Study Group
 R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
 P02CA-14520-02 0014 Wisconsin Clinical Cancer Center - Quantitative measurements of lung tumors in vivo
 P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
 P01CA-14599-01 0006 University of Chicago Cancer Research Center - Approach to immunotherapy of lung cancer (human)
 R01CA-14693-02 RNA mediated abrogation of lung cancer induced energy (human, guinea pigs)
 R01CA-14710-02 Irreversibility of latent tumor cells (mice)
 R01CA-14874-01 Pulmonary carcinogenesis in fetal and neonatal lung (mice)
 R10CA-15241-02 Central oncology group
 R10CA-15488-01 Eastern Cooperative Oncology Group
 R10CA-15578-01 Southeastern Cancer Study Group
 P02CA-15688-01 0014 Program in medical oncology - Combination radio and chemotherapy of oat cell lung carcinoma
 R01CA-15691-01 Immunotherapy in lung carcinoma with autologous tumor (mice, human)
 R01CA-15784-01 Human macrophages and other cells in carcinogenesis (human)
 R01CA-15952-01 Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters)
 R01CA-16031-01 Binding of chemical carcinogens in the lung (rats, human)
 R01CA-16089-01 Immunotherapy and dynamics of the metastatic process (mice)
 P01CA-16127-01 0002 Cancer Research and Treatment Center Program - Human radiobiology studies with pions
 P01CA-16127-01 0003 Cancer Research and Treatment Center Program - Cancer radiotherapy evaluation
 P01CA-16127-01 0004 Cancer Research and Treatment Center Program - Cancer chemotherapy evaluation
 P01CA-16127-01 0016 Cancer Research and Treatment Center Program - Parathyroid hormone produced by nonparathyroid malignancies (human, mice)
 P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
 R01CA-16342-01 Immunoprophylaxis and immunotherapy of lung cancer
 P01CA-16359-01 0059 Cancer center support grant - Medical oncology
 P01CA-16359-01 0060 Cancer center support grant - Diagnostic radiology-Lung carcinoma protocol (human, dogs)
 P01CA-16359-01 0061 Cancer center support grant - Cancer diagnosis-Pulmonary metastases protocol
 R18CA-16402-01 0001 Cancer control development grant - Model referral system for cancer therapy (adults, children)
 R01CA-16898-01 Activated lymphocytes for immunotherapy of neoplasms (human)
 R01CB-22000-07 Detection and localization of bronchogenic carcinoma
 N01CB-43853-00 Assays for immune depression in cancer patients
 N01CB-43854-00 Isolation and tissue culture of human tumor cells
 N01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
 N01CB-43860-00 Development of immunodiagnostic tests for cancer
 N01CB-43861-00 Procurement of tumor and serum from cancer patients
 R01CB-43868-00 Statistical surveillance of lung cancer projects
 R01CB-43881-00 Antibodies to human tumor cells
 N01CB-43893-00 Migration inhibition assays (mice, human)
 R01CB-92172-09 Early detection, localization and therapy of lung cancer (human)
 N01CM-23704-03 Screening agents for cancer chemotherapy (rodents)
 N01CM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
 R01CA-45007-01 Effect of early detection and treatment on survival from lung cancer
 R01CM-45037-00 Lung cancer control-Detection and therapy
 N01CP-02199-08 Services in support of carcinogenesis bioassays (rodents)
 R01CP-02217-04 Aspects of enzyme induction relative to lung cancer (human, hamsters, mice)
 R01CP-12148-03 Develop lung tumor model with large wild hamsters
 R01CP-23213-03 Shifts in cancer risks among Japanese migrants
 R01CP-23233-03 Morphogenesis of lung cancer (human, hamsters)
 R01CP-23292-02 Modulating factors in respiratory carcinogenesis (animals)
 N01CP-33216-01 Japan-Hawaii cancer study
 R01CP-33273-01 Factor influencing experimental respiratory carcinogenesis (mammals nonhuman)
 R01CP-92083-07 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
 P10ES-00002-12 0017 Occupational and environmental health - Experimental respiratory carcinogenesis (hamsters)
 P10ES-00260-12 0022 Research in the environmental health sciences - Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether
 R01GM-15597-07 Genetic and comparative studies of enzymes (human, microorganisms)
 R01GM-17632-04 Computer-aided image recognition
 R01GM-19227-03 Determination of steroids in blood (human)
 P01GM-19489-03 0019 Study of human genetics - Genetic linkage of Pi system (alpha-1antitrypsin)
 P17H-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
 P17H-14153-04 0001 Johns Hopkins Lung Center - Genetic and environmental factors in chronic pulmonary disease (human)
 P17H-14169-04 0008 Pulmonary disease center - Pulmonary pathology (human)
 N01HR-42967-00 Alpha-1-antitrypsin reference laboratory (human)
 P01MH-11668-09 0096 Psychosocial factors in health and disease - Psychology of the cancer patient
 M01RR-00031-14 0063 General clinical research center - New cancer chemotherapeutic agents with combination cancer chemotherapy
 M01RR-00035-14 0062 General clinical research centers - Early lung cancer (human)
 M01RR-00050-13 0047 Wilson's disease - Therapy of lung cancer (human)
 M01RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
 M01RR-00051-13 0152 General clinical research center - Cancer chemotherapy in solid tumors with poor prognosis (human)
 M01RR-00722-02 0023 General Clinical Research Center - Genetic and other factors in chronic obstructive pulmonary disease (human)
 M01RR-00749-02 0034 General clinical research center - Does omphaga improve survival after lung cancer surgery? (human)
 M01RR-00828-01 0033 General clinical research center - Combined radiation therapy and immunotherapy for lung carcinoma (human)
RESPIRATORY NEOPLASMS, LUNG NEOPLASMS, BRONCHOGENIC CARCINOMA
 R10CA-02822-19 Eastern cooperative oncology group (human)
 R01CA-05654-14 Evaluation of supervoltage therapy (human)
 P02CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
 P02CA-05831-13 0042 Cancer clinical research - Genetic variation in enzymes which modify chemical carcinogens
 P02CA-05834-13 0044 Cancer clinical research center - Lung cancer (human)
 P02CA-06294-13 0011 Radiotherapy research - Bronchogenic carcinoma (human)
 P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)
 R10CA-06594-12 Eastern cooperative oncology group
 R10CA-10186-08 Western cancer study group
 P02CA-10438-08 0025 Clinical radiation therapy research center - Blocking factors in immuno-surveillance of lung neoplasms
 P02CA-11051-06 0054 Clinical radiation research center - Radiopathology-cytokinesis studies of human neoplasms
 P02CA-12178-04 0006 Radiotherapy-oncology center - Bronchogenic carcinoma
 R10CA-12282-04 Central Oncology Group
 P02CA-13053-03 0072 Clinical cancer radiation therapy research center - Participation in radiation therapy oncology group
 R01CA-13700-02 Parathyroid hormone and cancer (human)
 P01CA-14089-01 0011 Pilot multidisciplinary cancer research program - Tumor antigens and antibodies in G I and bronchogenic cancer (human)
 R01CA-14189-02 Bronchogenic carcinoma-Early detection and etiology (human)
 R01CA-14955-02 Follow-up study of thorotrast patients
 R01CA-14974-01 Prognostic factors in lung cancer
 R01CA-14984-01 Immunological aspects of cancer prognosis
 P01CA-15192-01 Cancer Center Support Grant Specialized Western Cancer Study Group
 R10CA-15294-01 Pulmonary metabolism of benzo(a)pyrene (rabbits)
 R10CA-15467-01 Southwest Oncology Group
 R01CA-15556-01 Antigens and immunity in bronchogenic carcinoma (human)
 R10CA-15938-01 Radiation Therapy Oncology Group
 P01CA-16127-01 0015 Cancer Research and Treatment Center Program - Prooperative testing in bronchogenic carcinoma (human)
 P01CA-16127-01 0033 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bronchogenic carcinoma
 R01CA-16201-01 Lung cancer model for surgical research (dogs)
 P01CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)
 R01CB-22000-07 Detection and localization of bronchogenic carcinoma
 R01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
 R01CB-43890-00 Search for new human tumor associated antigens in carcinoma of the lung
 R01CM-33715-03 Statistical and administrative (operations office) support
 R01CM-33734-01 Therapy of patients with bronchogenic carcinoma
 R01CM-33735-02 Therapy of patients with bronchogenic carcinoma
 R01CM-33736-01 Therapy of patients with bronchogenic carcinoma
 R01CM-33738-02 Therapy of bronchogenic carcinoma (human)
 R01CM-45066-00 Tyler asbestos workers study
 R01CP-43295-00 Studies on oat-cell carcinoma of the lung (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
- P17HL-14201-04 0014 Pulmonary disease research center - Early detection of emphysema (human, dogs)
- P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
- R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
- ** M01RR-00425-06 0051 General clinical research center - Thoracic surgical clinical research project (human)
- RESPIRATORY NEOPLASMS, OAT CELL CARCINOMA**
- ** P02CA-05834-13 0044 Cancer clinical research center - Lung cancer (human)
- P02CA-06294-13 0011 Radiotherapy research - Bronchogenic carcinoma (human)
- R10CA-06594-12 Eastern cooperative oncology group
- R10CA-08025-10 Acute leukemia group B
- R10CA-15294-01 Western Cancer Study Group
- ** P02CA-15688-01 0014 Program in medical oncology - Combination radio and chemotherapy of oat cell lung carcinoma
- N01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
- ** M01RR-00036-14 0183 General clinical research center - Hyperadrenocorticism in oat-cell Ca of lung and islet cell Ca (human)
- RESPIRATORY PROTEINS (GENERAL)**
- SEE ALSO HEMOPROTEINS
SEE ALSO METALLOPROTEINS
- R01HL-16860-01 Mossbauer studies of respiratory hemoproteins
- RESPIRATORY PROTEINS, REDOXINS**
- SEE ALSO FLAVODOXIN
SEE ALSO METALLOPROTEINS, ADRENAL FERREDOXIN
SEE ALSO METALLOPROTEINS, FERREDOXIN
SEE ALSO METALLOPROTEINS, RUBREDOXIN
- R01CA-04464-16 Biosynthesis and role of deoxynucleotides (hamster, rats, human, E coli)
- R01GM-12121-10 Structure and function of proteins (bacteria, tuna, plants)
- R01GM-21161-01 Protein structure modification and oxidation
- R01GM-21726-01 Molecular structure of a soluble monooxygenase (nematodes rats)
- R01HL-13652-04 Metal sites in metalloproteins
- RESPIRATORY PROTEINS, RESPIRATORY ENZYMES**
- SEE ALSO FLAVOPROTEIN ENZYMES
SEE ALSO NAD LINKED ENZYMES
SEE ALSO NADP LINKED ENZYMES
SEE ALSO OXIDOREDUCTASES
SEE ALSO OXYGENASES
SEE ALSO PEROXIDASES
- ** R01AI-05637-12 Mechanisms of oxidative energy generation in bacteria
- ** R01AI-09416-05 Modes of action of bactericidal cationic proteins (guinea pigs, rabbits)
- ** R01AM-08126-11 Energy generation and conservation in mitochondria
- R01AM-16649-01 Mechanism of action of growth hormone (rats)
- R01CA-16253-01 Respiratory inhibitors as antineoplastic agents
- ** P01ES-00049-10 0012 Mode of action and metabolism of organic toxicants - Binding sites of inhibitors and uncouplers in the respiratory chain
- ** R01GM-12228-11 Biosynthesis of respiratory enzymes (fungi)
- R01GM-13641-09 Oxidative phosphorylation (cattle)
- R01GM-15883-10 Genetic structure and function in human cells
- ** R01GM-16767-06 Reconstitution of mitochondrial respiratory chain
- R01GM-19079-03 0005 One MEV scanning transmission electron microscope - In situ analysis of organellar assembly
- R01GM-19990-02 Mechanism of enzyme action and allied model reactions (rats)
- P01HD-06274-03 0001 Reproductive biology - Metabolic enzyme pathways in spermatozoa (monkeys, rabbits, hamsters, human)
- R01HL-05457-14 Biological oxidations (human, mammals, microorganisms)
- ** R01HL-12576-06 Mitochondrial respiratory system in heart
- P17HL-14138-04 0005 Center for research on atherosclerosis - Metabolic ultrastructural correlations (pigs)
- R01HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- ** R23HL-17205-01 Lung metalloenzymes-Regulation by metals and gases (rats)
- R01NS-08862-05 Metabolism of cells and parts of cells in nervous tissue (mammals)
- RESPIRATORY SYNCYTIAL VIRUS VACCINES**
- SEE VACCINES, VIRAL, RESPIRATORY SYNCYTIAL VIRUS VACCINES
- RESPIRATORY SYNCYTIAL VIRUSES**
- SEE VIRUSES, MYXOVIRUSES, RESPIRATORY SYNCYTIAL VIRUSES
- RESPIRATORY SYSTEM (GENERAL)**
- SEE ALSO NASAL NOSE
SEE ALSO NASAL, PARAMASAL SINUSES
- R01AI-11584-02 Prevention of pyrogenic infections (human)
- R01AM-07180-12 Mechanisms of oxygen metabolism (rabbits)
- R01AM-17230-01 Nephron response to systemic acid base disturbances
- N01DA-40107-00 Scientific information re legal decisions for control of drugs (human, animals)
- P01GM-09069-12 0062 Research in anesthesiology - Anesthetic agents and cyclic AMP system (human, rats)
- ** P01GM-16437-06 0001 Biomedical engineering program project - Cardiopulmonary systems (dogs, human)
- ** R01GM-17284-05 Computer monitoring of surgical patients
- R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
- ** P01HL-06285-14 0187 Cardiovascular-respiratory physiology and biochemistry - Regulation of airway smooth muscle (dogs)
- ** P01HL-06285-14 0189 Cardiovascular-respiratory physiology and biochemistry - Physiology, pharmacology in regulation of airways-Mucociliary (animals)
- P01HL-08974-10 0007 Natural and experimental atherosclerosis - Effects of cigarette smoking in baboons
- P01HL-13738-03 0003 Cardiac assist devices and artificial hearts - Pathophysiological effects of the artificial heart (calves)
- P17HL-14136-04 0004 Obstructive lung diseases - Pathophysiologic correlations in GOLD (human)
- ** R01HL-16157-01 Airway structure and lung function
- ** R01OH-00367-03 Respiratory tract irritants-Mechanisms and tolerance (mice, rabbits)
- M01RR-00044-14 0085 General clinical research center - Factors influencing levels of C1 esterase inhibitor (human)
- RESPIRATORY SYSTEM, ALVEOLAR MACROPHAGES**
- R01AI-08350-07 The mechanisms of pulmonary defense against infection
- ** R01AI-09586-04 Ultrastructure and replication of Mycoplasmatraceae (hamsters)
- ** R23HL-17174-01 Cellular interactions in lung resistance to infection (mice)
- RESPIRATORY SYSTEM, BREATH COMPOSITION**
- SEE ALSO CARBOHYDRATE BALANCE, BREATH ANALYSIS FOR DIABETES
- P10ES-00002-12 0013 Occupational and environmental health - Uptake of gases by the human nose
- R01GM-21197-01 Medical diagnosis by mass spectrometry
- ** P01HL-08195-12 0017 Circulatory physiology - Concentration of acetone in alveolar gas (human)
- R01HL-15038-03 Computer assisted study of CO2 control of ventilation (rats)
- ** M01RR-00095-14 0061 General clinical research center - Clinical use of breath acetone measurements (human)
- RESPIRATORY SYSTEM, BRONCHI**
- P15AI-10386-04 Investigations in bronchial asthma (human)
- P01AI-11759-01 0009 Clinical and laboratory studies relating to lung disease - Pulmonary mast cells and basophils (monkeys, dogs)
- ** M01CP-43237-00 Normal and malignant tracheobronchial epithelium in humans (hamsters)
- ** M01CP-43274-00 Carcinogenesis in human bronchial tissues
- P10ES-00260-12 0004 Research in the environmental health sciences - Biomathematics (human)
- R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
- ** P01GM-09069-12 0013 Research in anesthesiology - Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs)
- P01HL-08805-10 0009 Cardiovascular and pulmonary performance - Bronchopulmonary lavage (human)
- P01HL-10342-09 0009 Cardiovascular, pulmonary, and behavioral studies - Pulmonary interdependence (human, swine)
- R01HL-12229-12 Ventilation mechanics in chronic pulmonary disease (human, dogs)
- P17HL-14136-04 0005 Obstructive lung diseases - Dynamics of small airways in assessing GOLD
- ** P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- ** P17HL-15063-03 0012 SCOR diffuse infiltrate lung disease - Autonomic regulation of the tracheobronchial tree (human)
- P17HL-15389-03 0005 Wisconsin Pulmonary Disease Research Center - Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents)
- R01HL-15605-01 Site of airway obstruction and control of ventilation (dogs)
- ** R23HL-17099-01 Role of bronchial muscle in asthma (cattle)
- R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
- R23HL-17182-01 Site of airway obstruction reversed by deep inspiration (human)
- RESPIRATORY SYSTEM, BRONCHIAL MUCUS**
- P01AM-08305-11 0002 Cystic fibrosis and pulmonary disease - Tissue and organ culture studies (human, rats)
- P10ES-00260-12 0010 Research in the environmental health sciences - Respiratory tract particle deposition and bronchial clearance (human, donkeys)
- P01ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
- R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
- P01HL-10342-09 0010 Cardiovascular, pulmonary, and behavioral studies - Pathology of intrapulmonary airways and chronic obstructive lung disease (dogs)
- R01HL-11688-07 Vascular factors in hemodynamic regulation (human)
- ** P17HL-14179-04 0022 Center for the study of lung disease - Biosynthesis of the glycoproteins of tracheobronchial mucus (dogs)
- ** P17HL-15061-03 0001 Response of lung to injury - Bronchopulmonary lavage (human, rabbits)
- P17HL-15098-03 0006 Special center of research - Environmental lung disease - Histo- and cytopathology of lung tissue (monkeys)
- P17HL-15098-03 0012 Special center of research - Environmental lung disease - Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys)
- R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
- ** R01HL-15155-02 Rheology of pulmonary secretions
- R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- ** R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)
- RESPIRATORY SYSTEM, BRONCHIOLE**
- P01ES-00842-02 0002 Chronic obstructive lung disease - Ultrastructure and cytochemistry of nitrogen dioxide and ozone exposed rat lungs
- ** R01HL-13419-08 Correlation of pre- and postmortem function (human)
- P17HL-14136-04 0005 Obstructive lung diseases - Dynamics of small airways in assessing GOLD
- R01HL-14964-02 Role of cyclic AMP in relaxation of bronchial muscle (cattle)
- ** P01HL-15037-03 0007 Mechanisms of cardiopulmonary dysfunction in shock - Histology and ultrastructure of pig lungs
- P17HL-15098-03 0001 Special center of research - Environmental lung disease - Sulfhydryl bond alteration (monkeys)
- P17HL-15098-03 0003 Special center of research - Environmental lung disease - Cell division alterations (human, primates)
- ** P17HL-15098-03 0004 Special center of research - Environmental lung disease - NO-2 and O-3 effects on cell division in bronchioles and alveoli (monkeys)
- P17HL-15098-03 0006 Special center of research - Environmental lung disease - Histo- and cytopathology of lung tissue (monkeys)
- P17HL-15098-03 0012 Special center of research - Environmental lung disease - Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys)
- R01HL-16542-01 Early obstructive lung disease - Mechanics, morphology (human autopsy)
- R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- R23HL-17136-01 Isoproterenol binding to lymphocytes of asthmatics
- R23HL-17182-01 Site of airway obstruction reversed by deep inspiration (human)
- R23HL-17221-01 Immunocompetent cells of the lung (rats, rabbits, guinea pigs)
- RESPIRATORY SYSTEM, COLLATERAL RESPIRATION**
- ** R01HL-01782-19 0001 Cardiovascular and pulmonary problems - Collateral pulmonary ventilation (dogs)
- ** R01HL-01782-19 0003 Cardiovascular and pulmonary problems - Physiological changes associated with reimplantation of lung (dogs)
- RESPIRATORY SYSTEM, GILLS**
- R01AM-15972-03 Excretory and osmoregulatory mechanics (reptiles, mammals, fish, amphibians)
- P01HL-08805-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish-Estivation and submersion
- R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- R01NS-07402-07 Physiological regulation of cell metabolism (bivalves)

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**Directed significantly to above subject.

|| Grant has subprojects describing specific research aspects.

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RESPIRATORY SYSTEM, LARYNX

- PO1CA-14043-01 0011 Radiation therapy clinical and research center - Alternative lymphatic drainage of pharynx and larynx
- PO1DE-01697-12 0001 Interdisciplinary studies in cleft palate - Larynx (human)
- PO1DE-01697-12 0018 Interdisciplinary studies in cleft palate - Innervation of the human larynx
- PO1DE-01774-13 Research program on dynamics of speech articulation (human)
- RO1DE-03631-01 Physiological study of speech adaptation (human)
- PO1HD-03352-07 0023 Wisconsin center on mental retardation - Respiratory physiology during speech production (children)
- NO1HD-42869-01 Development of mucosal sensory receptors (human, monkeys)
- PO1NS-06459-09 0032 Communication sciences - Speech articulation and laryngeal behavior (human)
- PO1NS-06459-09 0050 Communication sciences - Effects of nodules on vocal fold vibration and voice (human)
- PO1NS-06459-09 0079 Communication sciences - Laryngeal pathology-Perceived voice, acoustic correlates, vocal fold vibration
- RO1NS-06673-09 Neuromechanics (frogs, toads)
- RO1NS-08041-06 Mechanisms of speech production (human)
- RO1NS-08728-05 Neuromuscular mechanisms of larynx (monkeys)
- RO1NS-10867-01 Construction of a larynx with allotissue (monkeys)
- PO1NS-11417-01 0012 Core program project in communicative disorders - Canine immune responses
- RO1NS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)

RESPIRATORY SYSTEM, LARYNX, VOCAL CORDS

- PO1NS-06459-09 0051 Communication sciences - Research on vocal registers (human)
- RO1NS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
- RO1NS-09891-01 Injected paralyzed vocal cord-Long term effects
- RO1NS-10247-01 Physiological dynamics during speech production (human)
- PO1NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
- RO1NS-11790-01 Vibrational pattern of the pathologic larynx (human)

RESPIRATORY SYSTEM, LUNG

- SEE ALSO HEART-LUNG PREPARATION
- SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, RESPIRATION EX-VIVO
- SEE ALSO RESPIRATORY CIRCULATION, PULMONARY CIRCULATION
- SEE ALSO RESPIRATORY FUNCTION
- SEE ALSO RESPIRATORY SYSTEM PROSTHESIS, PROSTHETIC LUNG
- SEE ALSO RESPIRATORY SYSTEM SURGERY, PNEUMONECTOMY
- PO1AI-07007-09 0001 Immunopathologic studies - Structure of human GBM
- R22AI-12204-01 In vivo microscopy of schistosomiasis of organs (mice, rats, rabbits)
- RO1AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- PO1AM-07462-11 0057 Hormonal regulation of metabolism - Lipogenic activity by isolated perfused rat lung
- PO1AM-07462-11 0058 Hormonal regulation of metabolism - Conversion of lipids in lamb lungs
- RO1AM-13217-06 Secretion and metabolism of prolactin (sheep, rats)
- RO1AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
- RO1AM-16478-02 Molecular heterogeneity of human skin collagen
- P17AM-17026-01 0023 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of metabolism
- PO2CA-08832-08 0105 An integrated study of advanced malignant diseases - Diagnostic open lung biopsy in the critically ill child
- RO1CA-11339-05 Control of cell growth, differentiation, and function (mice)
- PO2CA-13053-03 0052 Clinical cancer radiation therapy research center - Chemotherapy in management of primary Ewing's sarcoma (human)
- PO1CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
- RO1CA-13666-02 Colony forming cells in bone marrow (human, mice)
- RO1CA-14701-01 Effect of age on radiation-induced pulmonary fibrosis (rats)
- RO1CA-16031-01 Binding of chemical carcinogens in the lung (rats, human)
- NO1CP-22047-02 Interaction between chemical and viral carcinogens (human, hamsters)
- NO1CP-33374-01 Research on standardizing lung pellet techniques (rats)
- RO1DA-00566-02 Biological effect of marijuana on lung

- PO1ES-00049-10 0002 Mode of action and metabolism of organic toxicants - Pyrethroids metabolism (rats, mice, flies)
- PO1ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
- PO1ES-00159-09 0026 Center for study of the human environment - Lung perfusion model for steroid metabolism study (rats, rabbits)
- PO1ES-00210-07 0012 Center for environmental management - Mercury in the environment (rats)
- PO1ES-00210-07 0030 Center for environmental management - Histopathology of lungs of rats
- PO1ES-00260-12 0004 Research in the environmental health sciences - Biomathematics (human)
- PO1ES-00260-12 0016 Research in the environmental health sciences - Airborne and settled dust and human tissue burden in New York City
- PO1ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)
- PO1ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)
- RO1ES-00264-07 Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats)
- PO1ES-00454-06 0013 Biological effects of environmental agents - Cytochrome P450 binding compounds and oxygen transfer (sheep)
- PO1ES-00597-04 0006 Food-borne environmental toxicants - Extrahepatic induction of microsomal enzymes by BHT in the neonate rat
- RO1ES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)
- RO1ES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
- RO1ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
- PO1ES-00842-02 0001 Chronic obstructive lung disease - Ozone and nitrogen dioxide in experimental cold (rats)
- RO1ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
- RO1ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
- PO1ES-00928-01 0013 Environmental agents-Relation to human health effects - Secular changes in lung dust burden, 1912-72 (human)
- PO1ES-00928-01 0019 Environmental agents-Relation to human health effects - Lung burden of talc among urban dwellers (human)
- PO1ES-00928-01 0020 Environmental agents-Relation to human health effects - Secular changes in lung burden of trace metals, 1912-72 (human)
- PO1ES-00928-01 0023 Environmental agents-Relation to human health effects - Asbestos lung burden in environmental mesothelioma (human)
- PO1ES-00928-01 0028 Environmental agents-Relation to human health effects - Microparticle lung burden in emphysema and bronchitis (human)
- PO1ES-00928-01 0029 Environmental agents-Relation to human health effects - Inorganic microparticles in lungs of smokers and non-smokers
- RO1ES-01049-01 Effect of ozone on lung growth and development (rabbits)
- RO1ES-01079-01 Response of fetal and postnatal lungs to O3 and NO2 (rats)
- NO1ES-42154-00 The interaction of specific air pollutants with lung lipids
- PO1GM-15768-06 0002 Sequence of organ failures following trauma - Clinical study center
- PO1GM-15904-07 0018 Anesthesiology center for research and teaching - Anesthesia and lung chemistry
- PO1GM-15904-07 0034 Anesthesiology center for research and teaching - Kinetics of surfactant adsorption and desorption
- PO1GM-16436-06 0047 Bioengineering program project - Aerosol motion in an airway
- PO1GM-18470-03 0018 Trauma center - Assay for 15-hydroxy prostaglandin hydrogenase (human)
- PO1GM-18470-03 0019 Trauma center - Role of air embolism after lung puncture injury (human)
- RO1GM-19289-03 Microfilaments, morphogenesis, and cytodifferentiation
- RO1GM-20758-01 Prostaglandin dehydrogenase (cattle, rodents, human)
- P11GM-20852-01 0004 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of theophylline and isoproterenol (human)
- RO1HD-00420-14 0002 Androgen production and function during development - Non-testicular sources of C-19 steroids in pre-natal development (rodents, human)
- PO1HD-02274-08 0095 Mental retardation and child development - Pulmonary mucous transport in newborn infants
- RO1HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
- RO1HD-02871-08 Phospholipid metabolism during development (rats)
- PO1HD-03015-08 0026 Program for developmental biology - Maternal stress and fetal lung maturity (human)

- PO1HD-03110-07 0038 Child development and mental retardation - Growth of lung function in children
- RO1HD-04287-06 Regulation of drug metabolism during development (human, monkeys)
- RO1HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- RO1HD-05443-03 Circulatory and cellular studies in runted fetal sheep
- PO1HD-05797-04 0028 Population and reproductive biology - Immunocytochemistry of chromatin (chickens, rats)
- RO1HD-05837-02 Metabolism of isolated perfused newborn lung (rabbits)
- RO1HD-06201-03 Lung maturation, hormonal and other influences (human, rats, rabbits)
- RO1HD-06311-03 Lung lecithin synthesis-normal and asphyxial (sheep, rats)
- PO1HD-07110-02 0020 Biomedical center for population research - Perinatal development (human)
- RO1HD-07135-02 Pathophysiology of tissue oxygen transport (sheep)
- RO1HD-07511-01 Pathogenesis of sudden infant death syndrome (human, rats)
- PO1HD-08672-01 An organ communication system for initiation of labor (human, rabbits)
- RO1HL-01770-23 Fine structure of kidney, lung, and intestine (rats)
- RO1HL-02953-17 Autonomic and cardiovascular pharmacology (rats, rabbits, dogs, guinea pigs)
- RO1HL-04372-14 Lipolytic enzymes in plasma and tissues (rats, sheep)
- RO1HL-05883-14 Reflex control of resistance and capacitance vessels
- PO1HL-06308-14 0015 Mechanisms and therapy of circulatory disease - Pulmonary circulation (dogs, rats)
- RO1HL-06929-10 0003 Surgical vascular disorders - Immunocytochemistry of fibrinolytic activators (human, dogs)
- RO1HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
- PO1HL-09814-09 0039 Research program - Cardiovascular and related disease - Lung function during exercise and respiratory disease (human)
- M PO1HL-10342-09 Cardiovascular, pulmonary, and behavioral studies
- PO1HL-10342-09 0007 Cardiovascular, pulmonary, and behavioral studies - Mueller maneuver, changes in lung volume to evaluate ventricular function (human)
- PO1HL-11414-07 0028 Thrombosis and atherosclerosis program - Catecholamine metabolism in the lung (rats)
- RO1HL-11884-05 Work function after myocardial infarction (human)
- PO1HL-12373-06 0010 Cardiopulmonary physiology and pathophysiology - Pulmonary pathology and pathophysiology (dogs)
- RO1HL-12494-06 Continuum mechanics in biophysics (frogs, cats, rabbits)
- RO1HL-12684-06 Angiotensin I and converting enzyme in hypertension (human, rat, rabbit, dog)
- PO1HL-12738-06 0060 Physiologic pharmacology and its clinical applications - Relationship of lymph flow to extravascular lung water in dogs given antu
- RO1HL-12980-05 Flow in collapsible tubes and airway compression
- RO1HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
- PO1HL-13330-05 0045 Mechanical circulatory support - Electrical impedance technique for measuring cardiopulmonary parameters (dogs)
- RO1HL-13368-05 Angiotensin and hypertension (human, rats)
- RO1HL-13405-04 Regulation of lipid metabolism in the lung (rats)
- RO1HL-13841-13 Respiration during altitude acclimatization (goats, human)
- RO1HL-13901-04 Lymphatic capillaries in early inflammation (rabbits)
- PO1HL-13979-04 0009 Cardio-pulmonary-renal program - Cellular physiology of the lungs (rabbits, rats)
- PO1HL-13979-04 0013 Cardio-pulmonary-renal program - Cytochemical and ultrastructural studies of intracellular phenomena (human)
- P17HL-14136-04 0007 Obstructive lung diseases - Respiratory distress and pulmonary surfactant (rats, rabbits)
- P17HL-14152-04 0006 Pulmonary specialized center of research - Lung adaptation and extracorporeal gas exchange (lambs)
- P17HL-14152-04 0007 Pulmonary specialized center of research - Adaptation of the lung to birth and the onset of respiration (lambs)
- PO17HL-14152-04 0011 Pulmonary specialized center of research - Effects of ozone on the properties of the lungs (rabbits)
- PO17HL-14152-04 0012 Pulmonary specialized center of research - Lungs of animals exposed to ozone (rabbits, monkeys)
- PO17HL-14179-04 0007 Center for the study of lung disease - Postnatal lung growth, its abnormalities in infants and children (and dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- P17HL-14179-04 0023 Center for the study of lung disease - Fetal lung development and lung surfactant (rabbits, rats, monkeys)
- ** P17HL-14187-04 0014 Center for lung research - Vasoactive agents and proteolytic enzymes in the lung (human, mammals)
- ** P17HL-14201-04 0006 Pulmonary disease research center - Development of lung stability (human, animals)
- P17HL-14201-04 0011 Pulmonary disease research center - Irritable airways in sensitized dogs
- P17HL-14201-04 0024 Pulmonary disease research center - Glucocorticoid effects on fetal lung development
- ** P17HL-14214-04 0002 Neonatal lung center - Enzymes during development of lungs (rats, human)
- ** P17HL-14214-04 0003 Neonatal lung center - Fetal and neonatal lung studies (human, lambs, rats)
- P17HL-14214-04 0005 Neonatal lung center - Recovery process in HMD (human, lamb)
- ** P17HL-14214-04 0015 Neonatal lung center - Lipid synthesis in lungs of newborn (human, sheep)
- ** P17HL-14214-04 0019 Neonatal lung center - Cyclic AMP as mediator of ACTH response (lambs)
- P17HL-14218-04 0006 Newborn lung center - Pulmonary biochemical characteristics in ROS (human, sheep, dogs)
- R01HL-14399-03 Lung collagen and elastin (guinea pigs)
- R01HL-14456-02 Lung metabolism—Enzymes in the pulmonary circulation (rats, dogs)
- ** R01HL-14524-04 Innervation of the lung (rats, cats, dogs, monkeys, human)
- ** R01HL-14549-03 Lung as an immunologic target organ (rabbits, guinea pigs)
- ** P01HL-14580-03 0001 Program project in respiratory mechanics - Structural mechanics of the lung (dogs)
- P01HL-14580-03 0002 Program project in respiratory mechanics - Airway aerodynamics (human)
- P01HL-14580-03 0005 Program project in respiratory mechanics - Development and evaluation of tests of pulmonary function (human)
- R01HL-14663-03 Pulmonary oxygen toxicity in newborn mice
- ** R01HL-14759-03 Immunohistochemistry of lung collagen (human, guinea pigs)
- R01HL-14778-06 Proteolytic enzymes of the blood and pancreas (human, cattle)
- R01HL-14785-03 Scattering of ultrasound by cardiac tissue (dogs)
- R01HL-15002-03 Biochemical pharmacology of guanyl cyclase in lung (cattle)
- ** R01HL-15013-03 Calcium effects on oxidative metabolism of lung tissue (mammals sub-human, birds)
- ** P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
- ** P17HL-15061-03 0003 Response of lung to injury - Postnatal growth and development of the mammalian lung (rats, dogs)
- ** P17HL-15061-03 0006 Response of lung to injury - Site of production of eosinophilic factors in lung (guinea pigs, human)
- ** P17HL-15061-03 0007 Response of lung to injury - Complement synthesis by pulmonary macrophages (human, guinea pigs)
- P17HL-15063-03 0002 SCOR diffuse infiltrate ve lung disease - Asbestosis (human)
- ** P17HL-15063-03 0009 SCOR diffuse infiltrate ve lung disease - Pulmonary effects of marijuana (human)
- ** P17HL-15063-03 0011 SCOR diffuse infiltrate ve lung disease - Non-respiratory functions of the lung in health and disease (human)
- P17HL-15088-03 0005 Diffuse granulomatous and fibrotic pulmonary disease - Effect of ouabain and ethacrynic acid on palmitate incorporation into lung
- P17HL-15092-03 0004 Occupational environmental pulmonary disease center - Pulmonary function industrial population unexposed to injurious inhalants
- P18HL-15157-03 0008 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
- ** R01HL-15341-02 Lung hormonal and chromosomal regulation (human, rats, sheep)
- R01HL-15384-02 Biochemistry of the angiotensin I converting enzyme (rabbits)
- P17HL-15389-03 0007 Wisconsin Pulmonary Disease Research Center - Biometrics
- R01HL-15454-02 Quantification of intrathoracic fluid by impedance
- ** R01HL-15497-02 Factors affecting growth and function of lung (rats)
- R01HL-15648-02 Lipid metabolism—Human triglyceride lipases (rabbits)
- R01HL-15691-02 Synthesis and metabolism of vasoactive polypeptides (rabbits)
- R01HL-15755-01 Experimental emphysema (dogs)
- ** P01HL-15832-02 0002 Chemical predispositions to lung injury - Connective tissue in lung in development and repair of injury (human, rats)
- P01HL-15832-02 0003 Chemical predispositions to lung injury - Change of connective tissue structure of lung with proteolytic enzymes (rat, dog)
- ** P01HL-15832-02 0005 Chemical predispositions to lung injury - Pulmonary structure and stress-strain relationships (mammals)
- ** P01HL-15832-02 0006 Chemical predispositions to lung injury - Elastin and collagen in lung (human, mammals)
- ** P01HL-15832-02 0007 Chemical predispositions to lung injury - Inactivation of vasoactive agents by the lung (human, rat, cat, dog, guinea pig)
- ** P18HL-16005-01 0009 Comprehensive sickle cell center of the University of Chicago - Cardiovascular-pulmonary dynamics in sickle cell anemia (human)
- M P01HL-16118-01 Mechanisms in the remodeling of lung structure
- ** P01HL-16118-01 0001 Mechanisms in the remodeling of lung structure - Structure and composition of pulmonary elastic tissue and elastin (human, cattle)
- P01HL-16118-01 0003 Mechanisms in the remodeling of lung structure - Degradation of collagen and elastin (human, rabbits)
- ** P01HL-16137-01 0006 Alveolar biology - Hypolipemic agents and their effects on pulmonary epithelial organelles (rats)
- ** P01HL-16137-01 0007 Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)
- ** R01HL-16247-01 Factors influencing substrate uptake by the lung (rats)
- R01HL-16330-02 Aging-tissue injury and repair
- ** R01HL-16466-01 Histogenesis and biochemistry of embryonic lung (chickens)
- ** R01HL-16528-01 Lactate metabolism in the lung (rats)
- ** R01HL-16542-01 Early obstructive lung disease—Mechanics, morphometry (human autopsy)
- R01HL-16628-01 Regulation of lipid metabolism (mammals)
- R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- ** R01HL-16920-01 Proteases in normal and immunologically injured lung (guinea pigs, rabbits)
- ** R01HL-16949-01 Lung uptake and metabolism of plasma-borne substances (rats)
- R23HL-17106-01 Interaction of cyclic nucleotides in pulmonary tissue (mice)
- R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
- R23HL-17111-01 Effect of PEEP on formation of pulmonary edema (dogs)
- ** R23HL-17112-01 Lung and prostaglandins—Metabolism and vasomotion (cats)
- R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)
- ** R23HL-17134-01 Metabolism of xenobiotic compounds in lung (rats, hamsters)
- ** R23HL-17147-01 Radiographic study of the developing lung (dogs, humans)
- ** R23HL-17161-01 Hormone-mediated differentiation of mouse lung cells
- ** R23HL-17182-01 Site of airway obstruction reversed by deep inspiration (human)
- ** R23HL-17184-01 Elastin synthesis by cultured lung cells (mice, rabbits, human)
- ** R23HL-17185-01 The lung's role in drug metabolism and disposition (rabbits)
- ** R23HL-17204-01 Metabolism of vasoactive hormones by newborn lung (rabbits)
- R23HL-17205-01 Lung metalloenzymes—Regulation by metals and gases (rats)
- ** R23HL-17212-01 Computer modeling of lung water and solute exchange (sheep)
- ** R23HL-17219-01 Steroid modification of the newborn lung (rabbits)
- ** R23HL-17221-01 Immunocompetent cells of the lung (rats, rabbits, guinea pigs)
- ** R23HL-17224-01 Mechanism of cortisol action on lung cells in vitro (human)
- R23HL-17235-01 Cyclic AMP and histamine hypersensitivity (mice)
- ** R01HL-17328-01 Lung growth in vivo and in vitro—Hormonal influences (rats)
- N01HO-42935-00 Support services for the preparation of the National Heart Plan RFP 74-13
- N01HO-42936-00 Support services to the National Heart and Lung Institute
- N01HR-22940-03 Chronic obstructive pulmonary disease and tobacco smoking (dogs)
- N01HR-22942-04 Risk factors in chronic obstructive pulmonary disease
- N01HR-32900-02 Pilot study to standardize the measurement of 'closing volume' (human)
- ** N01HR-32902-01 Pilot study to standardize the measurement of 'closing volume' (human)
- ** N01HR-32903-02 Pilot study to standardize the measurement of 'closing volume' (human)
- N01HR-33001-01 High performance respiratory mass spectrometer
- N01HR-33002-03 Prototype pulmonary function analyzer
- N01HR-42919-00 Extracorporeal support for respiratory insufficiency (human)
- ** N01HR-42934-00 Separation, characterization of lung elastin (organ culture, rat, chick, human)
- ** N01HR-42940-00 Separation and characterization of lung elastin
- ** N01HR-42941-00 Separation and characterization of lung elastin (animals)
- ** N01HR-42942-00 Separation and characterization of lung elastin (pigs)
- ** N01HR-42943-00 Separation and characterization of lung elastin (organ cultures)
- ** N01HR-42944-00 Separation and characterization of lung elastin
- R01NS-08674-05 Choline and acetylcholine transport and metabolism (mice)
- R01OH-00337-05 Mechanisms of cadmium toxicity (rats)
- R01OH-00340-05 0001 Respiratory effects of inhaled gases and aerosols - Respiratory uptakes of ozone in dogs
- ** R01OH-00340-05 0002 Respiratory effects of inhaled gases and aerosols - Low concentrations of ozone (cats, human)
- ** R01OH-00340-05 0003 Respiratory effects of inhaled gases and aerosols - Acute effects of ozone on cat's lungs—Functional
- ** R01OH-00340-05 0004 Respiratory effects of inhaled gases and aerosols - Ozone and elasticity of rabbits lung
- R01OH-00340-05 0006 Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
- ** R01OH-00340-05 0007 Respiratory effects of inhaled gases and aerosols - Acute effects of ozone on cat's lungs—Structural
- P07RR-00007-11 0327 Computer processing in biomedical systems - Parenchymal distortion
- P07RR-00015-12 0086 Medical school computer facility - Pulmonary circulatory insufficiency
- ** M01RR-00063-12 0063 General clinical research center - Pulmonary function of persons living in polluted vs non-polluted cities
- M01RR-00336-08 0068 General clinical research center - Cardiac, pulmonary peripheral vascular manifestations of SLE (human)
- RESPIRATORY SYSTEM, LUNG ALVEOLUS**
- R01AI-05663-11 Interaction of alveolar macrophages and mycobacteria (rabbits)
- ** R01AI-08350-07 The mechanisms of pulmonary defense against infection
- R01AI-10600-03 Human phagocyte function in health and disease (also animal)
- ** P01AI-11759-01 0004 Clinical and laboratory studies relating to lung disease - Alveolar macrophages in hypersensitivity reactions of the lung (dogs)
- R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- ** P01AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- ** P01AM-09001-10 0049 Biochemistry and immunology of blood diseases - Membrane systems of rat lung (rats)
- R01AM-16489-02 0009 Control of tissue rejection by zinc - Zinc and biomembranes (rabbits, dogs)
- P02CA-12197-03 0023 Multidisciplinary oncology research center - Studies in cellular immunity (human, mammals nonhuman)
- R01CA-14874-01 Pulmonary carcinogenesis in fetal and neonatal lung (mice)
- R01CA-15784-01 Human macrophages and other cells in carcinogenesis (human)
- ** N01CP-33284-04 Bioassay of the cytotoxicity of cigarette smoke (mammals nonhuman)
- ** P10ES-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)
- P10ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
- P10ES-00159-09 0025 Center for study of the human environment - Interactions related to inhaled environmental metals
- P01ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
- P10ES-00260-12 0004 Research in the environmental health sciences - Biomathematics (human)
- P10ES-00260-12 0010 Research in the environmental health sciences - Respiratory tract particle deposition and bronchial clearance (human, donkeys)
- P01ES-00454-06 0002 Biological effects of environmental agents - Dehydration, food deprivation and clearance of environmental agents (rodents)
- R01ES-00459-04 Inhalation toxicology of environmental agents (rats)
- ** R01ES-00583-04 Response of alveolar macrophages to inhaled particles (rabbits, guinea pigs)
- ** P01ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
- ** P01ES-00628-04 0003 Pulmonary effects of environmental oxidant pollutants - Morphology of lungs exposed to oxidant pollutants (rats, monkeys)
- R01ES-00839-01 Nitrogen dioxide induced alterations in lung macrophage function
- P01ES-00842-02 Chronic obstructive lung disease (contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- P01ES-00842-02 0002 Chronic obstructive lung disease - Ultrastructure and cytochemistry of nitrogen dioxide and ozone exposed rat lungs
- ** P01ES-00842-02 0003 Chronic obstructive lung disease - Pulmonary alveolar cell turnover (rats)
- R01ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)
- R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
- R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
- R01ES-01079-01 Response of fetal and postnatal lungs to O₃ and NO₂ (rats)
- P01GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
- ** R01HD-02459-08 Ultrastructural studies of the lung (rabbits)
- ** R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- R01HD-04434-04 Ultrastructure and quantitation of surfactant (human, monkeys, rabbits, E coli)
- R01HD-05837-02 Metabolism of isolated perfused newborn lung (rabbits)
- P01HD-05894-04 0017 Genetic childhood diseases and aging - Immunology of collagen in disease and aging (human, rats, whales)
- R01HL-02001-20 Cardiopulmonary physiology (human, dogs)
- ** P01HL-06285-14 0166 Cardiovascular-respiratory physiology and biochemistry - Pattern of respiration on alveolar oxygen tension (human)
- ** P01HL-06285-14 0209 Cardiovascular-respiratory physiology and biochemistry - Metabolic studies of isolated lung cells (human, animals)
- ** P01HL-06349-13 0009 Cardiovascular disease clinical program project - Ultrastructure of pulmonary alveolar septal cells in hypertension (rats)
- P01HL-06370-13 0006 Cardiopulmonary and renal pathology research center - Chemical basis of ultrastructural changes in disease (rats)
- P01HL-08805-10 0025 Cardiovascular and pulmonary performance - Pulmonary edema (dogs)
- ** R01HL-11477-07 Transport across the alveolar capillary membrane (dogs, sheep)
- ** R01HL-12090-07 Alveolar ventilation in anesthetized man
- R01HL-12650-06 Environmental pathobiology of the lung (rodents)
- R01HL-12879-05 Pulmonary transport and metabolism in vivo (dogs, human)
- ** R01HL-13405-04 Regulation of lipid metabolism in the lung (rats)
- ** R01HL-13596-04 The absorption of protein from alveoli (dogs)
- R01HL-13687-04 Pulmonary ventilation, blood flow and gas exchange (human, dogs)
- R01HL-13749-04 Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human)
- R01HL-13787-04 Etiology of experimental emphysema (dogs, human)
- P01HL-13979-04 0008 Cardio-pulmonary-renal program - Chronic obstructive pulmonary disease (dogs)
- P01HL-13979-04 0009 Cardio-pulmonary-renal program - Cellular physiology of the lungs (rabbits, rats)
- ** P01HL-13979-04 0014 Cardio-pulmonary-renal program - A cellular lining layer of alveoli (rabbits, rats)
- P17HL-14136-04 0007 Obstructive lung diseases - Respiratory distress and pulmonary surfactant (rats, rabbits)
- P17HL-14152-04 0001 Pulmonary specialized center of research - Surface active lipoprotein in fetal lung (human, monkeys)
- P17HL-14152-04 0003 Pulmonary specialized center of research - Cellular synthesis of surface-active material in RDS (rats, monkeys)
- P17HL-14152-04 0008 Pulmonary specialized center of research - Adaptation of the lung and gas exchange in the immature human lung (and monkeys)
- ** P17HL-14152-04 0014 Pulmonary specialized center of research - Length tension studies of alveolar walls (human, mammals)
- ** P17HL-14152-04 0016 Pulmonary specialized center of research - Changes in lung elastin with age and disease (mice)
- ** P17HL-14152-04 0018 Pulmonary specialized center of research - Lipoperoxidation and lung collagen and elastin (guinea pigs)
- P17HL-14179-04 0006 Center for the study of lung disease - Distribution of inspired gas in the lungs (human)
- P17HL-14179-04 0020 Center for the study of lung disease - Mechanisms of oxidant lung injury - Effects of lipid peroxides (mammals)
- P17HL-14179-04 0021 Center for the study of lung disease - Transport and oxidation of glucose by alveolar macrophages (mammals)
- P17HL-14201-04 0008 Pulmonary disease research center - Alpha-1-antitrypsin enzyme inhibitors in emphysema (human)
- ** P17HL-14201-04 0010 Pulmonary disease research center - Repair and regeneration of alveolar walls after injury (cats)
- ** P17HL-14212-04 0004 Correlated studies of pulmonary disease - Chronic lung disease - Lung and sputum biochemistry (human)
- ** P17HL-14212-04 0006 Correlated studies of pulmonary disease - Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits)
- ** P17HL-14212-04 0007 Correlated studies of pulmonary disease - Protein biosynthesis in alveolar macrophages (rabbits, guinea pigs, human)
- P17HL-14218-04 0009 Newborn lung center - Filtration coefficient of pulmonary capillaries in experimental RDS (dogs, sheep)
- ** P01HL-14414-03 0001 Cardiorespiratory performance and environmental factors - Diffusing capacity of lung with artificial blood (rabbits)
- ** P01HL-14414-03 0002 Cardiorespiratory performance and environmental factors - CO₂ gradients with artificial blood (rabbits)
- ** P01HL-14414-03 0003 Cardiorespiratory performance and environmental factors - Gas diffusion and alveolar gas exchange (dogs, human)
- R01HL-14436-03 Pulmonary oxygen toxicity (human, rabbits)
- R01HL-14474-03 Mechanisms of oxygen toxicity of the lung (rats)
- R01HL-14534-03 Air pollutants - Lung physiology and lung biochemistry (human, guinea pigs)
- ** P17HL-15061-03 0001 Response of lung to injury - Bronchopulmonary lavage (human, rabbits)
- P17HL-15061-03 0008 Response of lung to injury - Phagocytosis and macrophage migration humoral requirements (human, guinea pigs)
- ** P17HL-15061-03 0009 Response of lung to injury - Alveolar macrophages (human, rabbits)
- ** P17HL-15061-03 0011 Response of lung to injury - Lung epithelium cell death, proliferation and differentiation after injury (mice)
- P17HL-15063-03 0005 SCOR diffuse infiltrate ve lung disease - Experimental pulmonary emphysema (rats, human)
- P17HL-15088-03 0001 Diffuse granulomatous and fibrotic pulmonary disease - Effect on the alveolar-arterial oxygen difference (dogs)
- ** P17HL-15088-03 0004 Diffuse granulomatous and fibrotic pulmonary disease - Type II alveolar cell in lipid exchange and in lung response to granulomas (dogs)
- P17HL-15092-03 0003 Occupational environmental pulmonary disease center - Respiratory reaction in workers exposed to detergent enzymes
- P17HL-15098-03 0001 Special center of research - Environmental lung disease - Sulfhydryl bond alteration (monkeys)
- P17HL-15098-03 0003 Special center of research - Environmental lung disease - Cell division alterations (human, primates)
- ** P17HL-15098-03 0004 Special center of research - Environmental lung disease - NO-2 and O-3 effects on cell division in bronchioles and alveoli (monkeys)
- P17HL-15098-03 0006 Special center of research - Environmental lung disease - Histo- and cytopathology of lung tissue (monkeys)
- P17HL-15098-03 0007 Special center of research - Environmental lung disease - Ultrastructure studies (monkeys)
- P17HL-15098-03 0011 Special center of research - Environmental lung disease - V/O component to alveolar-arterial oxygen tension difference model (human)
- P01HL-15194-02 0010 Pathophysiology of cardiopulmonary dysfunction - Ventilation-perfusion ratios measurements of elimination of inert gases
- ** P01HL-15194-02 0011 Pathophysiology of cardiopulmonary dysfunction - Alveoli with low ventilation perfusion ratios from pulmonary arteriovenous shunt
- P01HL-15194-02 0012 Pathophysiology of cardiopulmonary dysfunction - Positive pressure breathing in ventilated patients with respiratory failure
- ** R01HL-15266-02 Evaluation and synthesis of lung surfactant (human, animals, rabbits)
- R01HL-15316-02 Lung surfactant system - Multidisciplinary study (animals)
- R01HL-15497-02 Factors affecting growth and function of lung (rats)
- R01HL-15726-01 Permeation mechanism of gases into the lung
- P01HL-15832-02 0003 Chemical predispositions to lung injury - Change of connective tissue structure of lung with proteolytic enzymes (rat, dog)
- P01HL-15832-02 0005 Chemical predispositions to lung injury - Pulmonary structure and stress-strain relationships (mammals)
- P01HL-15832-02 0006 Chemical predispositions to lung injury - Elastin and collagen in lung (human, mammals)
- R01HL-16031-01 The lung lining layer - Synthesis and secretion (rats)
- P01HL-16118-01 0002 Mechanisms in the remodeling of lung structure - Cellular localization of degradative enzymes (human, cattle)
- P01HL-16118-01 0004 Mechanisms in the remodeling of lung structure - Metabolic activity of pulmonary connective tissue (human, animals)
- P01HL-16118-01 0005 Mechanisms in the remodeling of lung structure - Mechanisms of elastase emphysema (hamsters)
- M P01HL-16137-01 Alveolar biology
- P01HL-16137-01 0003 Alveolar biology - Characterization of the surfactant system - Topology of lung proteins (rabbits)
- P01HL-16137-01 0004 Alveolar biology - Subcellular processes and controls in the surfactant system (animals)
- ** P01HL-16137-01 0005 Alveolar biology - Structural-functional patterns of alveolar cells and their organelles (animals)
- P01HL-16137-01 0007 Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)
- ** P01HL-16137-01 0008 Alveolar biology - Macromolecular events in pulmonary cells in toxic environments (animals)
- P01HL-16137-01 0011 Alveolar biology - Pathology of alveoli and the surfactant system - Chemistry and biosynthesis
- ** P01HL-16137-01 0012 Alveolar biology - Pathology of alveoli and the surfactant - Fetal pulmonary fluid
- ** P01HL-16137-01 0013 Alveolar biology - Developmental biology and pathology of the surfactant - Formation of alveolar
- P01HL-16137-01 0014 Alveolar biology - Pathology of alveoli and the surfactant - Fetal distress (sheep)
- R01HL-16336-01 Compensatory pulmonary hypertrophy (rats)
- ** R01HL-16407-01 Cell biology of the alveolar capillary unit (rats, hamsters)
- ** R01HL-16409-01 Pulmonary capillary permeability in immature animals (swine, dogs)
- R01HL-16514-01 Pulmonary surfactant - Morphology biosynthesis, turnover (rabbits, rats)
- ** R01HL-16674-01 Airborne metals and lung permeability (bullfrogs, rabbits, cats)
- ** R01HL-16713-01 Emphysema, bronchitis, alveolar enzymes and inhibitors (human)
- M P01HL-16748-01 Cellular and immunological bases of pulmonary diseases
- ** P01HL-16748-01 0001 Cellular and immunological bases of pulmonary diseases - Mechanisms of alveolar macrophage function and dysfunction (human, rabbits)
- ** P01HL-16748-01 0002 Cellular and immunological bases of pulmonary diseases - Immunological function of alveolar macrophages (human, animals)
- ** P01HL-16748-01 0003 Cellular and immunological bases of pulmonary diseases - Alveolar macrophages and opportunistic microorganisms (human, guinea pigs)
- ** P01HL-16748-01 0004 Cellular and immunological bases of pulmonary diseases - Maturation cellular and immunology in pulmonary defense systems (rabbits)
- P01HL-16748-01 0006 Cellular and immunological bases of pulmonary diseases - Sarcoidosis - Studies with bronchial lavage (human)
- P01HL-16769-01 0001 Pathobiologic and host defense reactions in the lung - Endogenous hydrolytic enzymes in pulmonary injury (rabbits)
- ** R01HL-16784-01 Lung tissue and water volume (human, dogs)
- ** R01HL-16864-01 Change in alveolar permeability in pulmonary edema (dogs)
- R01HL-16990-05 Bronchopulmonary resistance to bacterial infection (human, mice)
- ** R23HL-17119-01 Flow in collapsible model alveolar capillary networks
- ** R23HL-17132-01 Quantitative human alveolar macrophage function (human)
- ** R23HL-17174-01 Cellular interactions in lung resistance to infection (mice)
- R23HL-17219-01 Steroid modification of the newborn lung (rabbits)
- R23HL-17221-01 Immunocompetent cells of the lung (rats, rabbits, guinea pigs)
- R01HL-17719-01 Mechanisms of oxygen toxicity of the lung (rats)
- R01OH-00356-03 Cellular response to coal mine dust in vitro (human)
- ** R01OH-00357-03 Fate of inhaled coal dust (rabbits, rats)
- M01RR-00040-14 0019 General clinical research center - Bronchopulmonary lavage (human)
- P07RR-00273-09 0003 Mass spectrometric facility for biomedical research - Biochemical changes in alveolar macrophages in response to foreign particles
- M01RR-00350-08 0090 General clinical research center - Functional studies of human alveolar macrophages
- M01RR-00425-06 0005 General clinical research center - Secretion and removal of pulmonary surfactant in alveolar proteinosis (human)
- M01RR-00425-06 0047 General clinical research center - Doxopram hydrochloride in primary alveolar hypoventilation syndrome (human)
- ** M01RR-00585-03 0018 General clinical research center - Alveolar ventilation in anesthetized man

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Omitted significantly to above subject

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

RESPIRATORY SYSTEM, PULMONARY STRETCH RECEPTORS

- ** R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)

RESPIRATORY SYSTEM, PULMONARY SURFACTANT

- ** R01AM-07699-11 Synthetic inhibitors of phospholipid metabolism (rats, mice, bacteria)
- R01AM-17771-01 Lung mucociliary clearance and mucous rheology (dogs)
- PO1ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
- R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
- ** P01GM-19443-03 0025 Problems in clinical genetics - Role of surfactant in the respiratory distress syndrome of the newborn (human)
- PO1HD-01799-09 0030 Mental retardation research center - Developmental pulmonary function and diseases (human)
- ** R01HD-02459-08 Ultrastructural studies of the lung (rabbits)
- R01HD-02871-08 Phospholipid metabolism during development (rats)
- ** PO1HD-03015-08 0028 Program for developmental biology - Pulmonary oxygen toxicity (rabbits)
- ** R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- ** R01HD-04434-04 Ultrastructure and quantitation of surfactant (human, monkeys, rabbits, E coli)
- R01HD-05837-02 Metabolism of isolated perfused newborn lung (rabbits)
- ** R01HD-06201-03 Lung maturation, hormonal and other influences (human, rats, rabbits)
- ** R01HD-06311-03 Lung lecithin synthesis-normal and asphyxial (sheep, rats)
- ** R01HD-06341-01 Respiratory distress syndrome in lambs
- R01HD-07160-01 Hyaline membrane disease-Neonatal cerebral (monkeys, swine)
- R01HL-01646-24 Lungs in head injury-Regional brain blood flow and Po₂ (mammals)
- R01HL-01770-23 Fine structure of kidney, lung, and intestine (rats)
- M PO1HL-06285-14 Cardiovascular-respiratory physiology and biochemistry
- ** PO1HL-06285-14 0208 Cardiovascular-respiratory physiology and biochemistry - Composition, properties and turnover of pulmonary surfactant (human, animals)
- ** PO1HL-06285-14 0209 Cardiovascular-respiratory physiology and biochemistry - Metabolic studies of isolated lung cells (human, animals)
- ** PO1HL-06285-14 0210 Cardiovascular-respiratory physiology and biochemistry - Physicochemical and enzymatic studies of lung surfactant (Halobacterium)
- PO1HL-10342-09 0010 Cardiovascular, pulmonary, and behavioral studies - Pathology of intrapulmonary airways and chronic obstructive lung disease (dogs)
- PO1HL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
- R01HL-12494-06 Continuum mechanics in biophysics (frogs, cats, rabbits)
- ** R01HL-12650-06 Environmental pathobiology of the lung (rodents)
- R01HL-13045-05 Pulmonary artery occlusion-Effect on lung metabolism (dogs)
- PO1HL-13738-03 0006 Cardiac assist devices and artificial hearts - Pulmonary function after artificial heart implantation (animals)
- ** P17HL-14136-04 0007 Obstructive lung diseases - Respiratory distress and pulmonary surfactant (rats, rabbits)
- ** P17HL-14152-04 0001 Pulmonary specialized center of research - Surface active lipoprotein in fetal lung (human, monkeys)
- P17HL-14152-04 0002 Pulmonary specialized center of research - Effect of pulmonary ischemia on surface-active lipoprotein and RDS (lambs)
- ** P17HL-14152-04 0003 Pulmonary specialized center of research - Cellular synthesis of surface-active material in RDS (rats, monkeys)
- P17HL-14152-04 0004 Pulmonary specialized center of research - Surface properties of naturally occurring lecithins (dogs)
- ** P17HL-14179-04 0023 Center for the study of lung disease - Fetal lung development and lung surfactant (rabbits, rats, monkeys)
- ** P17HL-14201-04 0006 Pulmonary disease research center - Development of lung stability (human, animals)
- ** P17HL-14201-04 0007 Pulmonary disease research center - Metabolism and regulation of pulmonary surface active material (human, animals)
- R01HL-14844-02 Mucin secretion by respiratory epithelial explants (human)
- P17HL-15088-03 0004 Diffuse granulomatous and fibrotic pulmonary disease - Type II alveolar cell in lipid exchange and in lung response to granulomas (dogs)
- ** R01HL-15273-02 Metabolism of pulmonary surfactant (rats)
- ** R01HL-15316-02 Lung surfactant system-Multidisciplinary study (animals)

- R01HL-15585-02 Membranous enzymes-Involvement with phospholipids (E coli, rats)
- R01HL-15755-01 Experimental emphysema (dogs)
- PO1HL-15832-02 0005 Chemical predispositions to lung injury - Pulmonary structure and stress-strain relationships (mammals)
- ** R01HL-16031-01 The lung lining layer-Synthesis and secretion (rats)
- M PO1HL-16137-01 Alveolar biology
- ** PO1HL-16137-01 0001 Alveolar biology - Chemical characterization of surfactant system-Lipid and lipid protein fraction
- ** PO1HL-16137-01 0002 Alveolar biology - Characterization of the surfactant system-Proteins isolation (human, rabbits)
- ** PO1HL-16137-01 0003 Alveolar biology - Characterization of the surfactant system-Topology of lung proteins (rabbits)
- ** PO1HL-16137-01 0004 Alveolar biology - Subcellular processes and controls in the surfactant system (animals)
- ** PO1HL-16137-01 0005 Alveolar biology - Structural-functional patterns of alveolar cells and their organelles (animals)
- ** PO1HL-16137-01 0007 Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)
- PO1HL-16137-01 0008 Alveolar biology - Macromolecular events in pulmonary cells in toxic environments (animals)
- ** PO1HL-16137-01 0009 Alveolar biology - Physico-chemical properties of the surfactant system-Individual components
- ** PO1HL-16137-01 0011 Alveolar biology - Pathology of alveoli and the surfactant system-Chemistry and biosynthesis
- ** PO1HL-16137-01 0012 Alveolar biology - Pathology of alveoli and the surfactant-Fetal pulmonary fluid
- ** PO1HL-16137-01 0013 Alveolar biology - Developmental biology and pathology of the surfactant-Formation of alveolar
- ** PO1HL-16137-01 0014 Alveolar biology - Pathology of alveoli and the surfactant-Fetal distress (sheep)
- ** R01HL-16207-01 Synthesis of phospholipid lung surfactant
- R01HL-16407-01 Cell biology of the alveolar capillary unit (rats, hamsters)
- ** R01HL-16514-01 Pulmonary surfactant-Morphology biosynthesis, turnover (rabbits, rats)
- R01HL-16628-01 Regulation of lipid metabolism (mammals)
- ** R01HL-16725-01 Physiological regulation of pulmonary surfactant (dogs)
- PO1HL-16748-01 0001 Cellular and immunological bases of pulmonary diseases - Mechanisms of alveolar macrophage function and dysfunction (human, rabbits)
- R01HL-16812-01 Respiratory distress syndrome and pulmonary edema (animals)
- ** R01HL-16942-01 Hypertthyroidism and lung structure and function (rats, rabbits)
- ** R23HL-17110-01 Culture of Type II cells isolated on Ficoll gradients (rats)
- R23HL-17161-01 Hormone-mediated differentiation of mouse lung cells
- R23HL-17187-01 The role of elastolysis in emphysema (hamsters)
- R23HL-17199-01 Respiratory distress syndrome-An experimental model (rats)
- R23HL-17218-01 Mechanism of antioxidant protection in lung
- R23HL-17219-01 Steroid modification of the newborn lung (rabbits)
- ** R01HL-17239-01 Enzymes for lecithin synthesis in neonatal human lung
- R01HL-17328-01 Lung growth in vivo and in vitro-Hormonal influences (rats)
- ** M01RR-00425-06 0005 General clinical research center - Secretion and removal of pulmonary surfactant in alveolar proteinosis (human)

RESPIRATORY SYSTEM, TRACHEA

- SEE ALSO RESPIRATORY DISORDERS, LARYNGOTRACHEITIS
- R01AI-11849-01 Laboratory marker of influenza virus virulence
- R01AM-14388-05 Ciliary action related to cystic fibrosis (human)
- R01AM-17771-01 Lung mucociliary clearance and mucous rheology (dogs)
- R01CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
- ** N01CP-43237-00 Normal and malignant tracheobronchial epithelium in humans (hamsters)
- ** M01CP-43253-00 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- N01CP-92083-07 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
- PO1ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
- R01ES-00881-02 Regional deposition of inhaled particles in man (and donkeys)
- PO1HL-08682-11 0005 Regulation of the cardiovascular system - Mechanical properties of blood vessels (dogs)
- R01HL-08929-10 0003 Surgical vascular disorders - Immunohistochemistry of fibrinolytic activators (human, dogs)
- P17HL-14179-04 0012 Center for the study of lung disease - Tracheal and amniotic fluid and their relation to neonatal lung function (human)

- P17HL-14179-04 0022 Center for the study of lung disease - Biosynthesis of the glycoproteins of tracheobronchial mucus (dogs)
- R01HL-14271-02 Physico-chemical properties of tracheal mucus (dogs, frogs)
- ** P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)
- ** P17HL-15063-03 0012 SCOR diffuse infiltrate ve lung disease - Autonomic regulation of the tracheobronchial tree (human)
- R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
- P17HL-15389-03 0005 Wisconsin Pulmonary Disease Research Center - Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents)
- R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
- ** R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)

RESPIRATORY SYSTEM PHARMACOLOGY

- SEE ALSO RESPIRATORY DISORDERS CHEMOTHERAPY
- R01AM-17771-01 Lung mucociliary clearance and mucous rheology (dogs)
- PO1ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
- R01GM-20022-02 Cartilage-selective radiocontrast agents (primates, dogs, cats, mice)
- PO1GM-21017-01 0010 Diagnostic radiology method development - Radiologic and physiologic studies of pulmonary veins in intact animals (dogs)
- PO1HL-06285-14 0181 Cardiovascular-respiratory physiology and biochemistry - Regulation of respiration-Role of vagus nerves (dogs)
- ** PO1HL-06285-14 0188 Cardiovascular-respiratory physiology and biochemistry - Physiology and pharmacology in regulation of airways-hyperirritability (animals)
- PO1HL-06285-14 0189 Cardiovascular-respiratory physiology and biochemistry - Physiology, pharmacology in regulation of airways-Mucociliary (animals)
- PO1HL-06285-14 0190 Cardiovascular-respiratory physiology and biochemistry - Physiological and pharmacological regulation of airway-Maximal flow (human, dog)
- PO1HL-10342-09 0016 Cardiovascular, pulmonary, and behavioral studies - Oxygen transport in the lung (sheep)
- R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
- P17HL-14153-04 0008 Johns Hopkins Lung Center - Effects of isoproterenol on leukocytes and lymphocytes of asthmatic patients
- P17HL-14179-04 0008 Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
- P17HL-14179-04 0013 Center for the study of lung disease - Macrophages and phagocytosis-Action of cytochalasin B (rabbits, human)
- P17HL-14179-04 0014 Center for the study of lung disease - Macrophages and phagocytosis-Drugs mediated by cyclic AMP
- P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
- P17HL-14201-04 0006 Pulmonary disease research center - Development of lung stability (human, animals)
- R01HL-15907-01 Steroid metabolism in patients with bronchial asthma (human)
- ** R23HL-17124-01 Pulmonary alteration of circulating monoamines (rabbits, human)
- R23HL-17150-01 Pulmonary diffusing capacities in newborn lung (sheep)

RESPIRATORY SYSTEM PROSTHESIS

- M01HB-32912-01 Development of polymer fibers
- R01HL-15873-02 Respiratory assist (human, dogs, cattle, sheep)
- ** R01NS-08584-05 Laryngo-tracheal replacement
- ** R01NS-10867-01 Construction of a larynx with alottissue (monkeys)

RESPIRATORY SYSTEM PROSTHESIS, PROSTHETIC LUNG

- ** R01HL-11945-07 Synthesis of artificial lung and kidney systems (dogs, sheep)
- M R01HL-15668-02 Extracorporeal respiratory gas exchange-New approach
- ** R01HL-15668-02 0001 Extracorporeal respiratory gas exchange-New approach - Extracorporeal respiratory gas exchange (dogs)
- ** R01HL-15668-02 0002 Extracorporeal respiratory gas exchange-New approach - New membrane technology for extracorporeal lung devices (dogs)
- ** R01HL-15668-02 0003 Extracorporeal respiratory gas exchange-New approach - Long term continuous in vivo blood gas analysis (dogs)
- R01HL-15975-01 Numerical modeling of blood oxygenation units
- ** R01HL-16154-01 Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human)
- ** R01HL-16498-01 Physiological effect of extracorporeal oxygenation (calves)
- ** R01HL-16582-01 Artificial lungs (dogs, monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-16700-01 Centrifugal fluorocarbon blood oxygenation (dogs)
 ** R01HL-16898-01 Biofeasibility of total prosthetic lung replacement (dogs, sheep)

RESPIRATORY SYSTEM REFLEXES

- SEE ALSO BRAIN, RESPIRATORY CENTER
 SEE ALSO HEART FUNCTION, HEART RATE, RHR REFLEX
 SEE ALSO RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION
- R01HD-07276-01 Chemosensitive systems in sudden infant death (lambs, piglets)
- ** P01HL-06308-14 0016 Mechanisms and therapy of circulatory disease - Cardiopulmonary baroreflexes (dogs)
 P01HL-08886-11 0057 Radiology-physiology cardiovascular research - Changes in the upper airway morphology due to obstruction (dogs)
 R01HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
 P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
 ** R01HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
 ** P01HL-14580-03 0003 Program project in respiratory mechanics - Chest wall mechanics and mechanical factors in the control of breathing (human)
 R01HL-14901-02 Experimental pulmonary transplantation (baboons)
 R23HL-17103-01 Control of active expiration (cats)
 R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)

RESPIRATORY SYSTEM SURGERY

- SEE ALSO RESPIRATORY SYSTEM PROSTHESIS
 SEE ALSO RESPIRATORY SYSTEM TRANSPLANTATION
- ** P01CA-08748-09 5931 Research program of Sloan-Kettering Institute - Surgical research projects (laboratory animals)
 R01GM-12829-10 0007 Wound healing - Effects of fluorinated corticoids on collagen synthesis, lysis in wounds (human)
 R01HL-08929-10 0005 Surgical vascular disorders - Pulmonary embolism (dogs, human)
 ** R01HL-15912-02 Pulmonary mechanics before and after resection of bullae (human)
 P01NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
 M01RR-00071-11 0040 General clinical research center - Diagnosis and therapy of industrial lung disease

RESPIRATORY SYSTEM SURGERY, LARYNGECTOMY

- SEE ALSO INFORMATION-COMMUNICATION DISORDERS, VOICE PRODUCTION, ALARYNGEAL
- R01NS-08584-05 Laryngo-tracheal replacement
 ** R01NS-10551-08 Cancer of the larynx by serial sections (human)
 R01NS-10867-01 Construction of a larynx with allotissue (monkeys)
 R01NS-10941-01 Reed fistula speech following pharyngolaryngectomy (human)
 M01RR-00722-02 0032 General Clinical Research Center - Studies of special senses (human)

RESPIRATORY SYSTEM SURGERY, PNEUMONECTOMY

- N01CB-92172-09 Early detection, localization and therapy of lung cancer (human)
 ** R01HL-05933-15 Applied pulmonary physiology (human)
 P17HL-14136-04 0004 Obstructive lung diseases - Pathophysiological correlations in GOLD (human)
 R01HL-15497-02 Factors affecting growth and function of lung (rats)
 R01HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
 R01HL-16336-01 Compensatory pulmonary hypertrophy (rats)

RESPIRATORY SYSTEM SURGERY, TRACHEAL SURGERY

- R01AM-17771-01 Lung mucociliary clearance and mucous rheology (dogs)
 P01GM-21797-01 0007 The traumatized patient - Pulmonary function (human, dogs)
 R01NS-08584-05 Laryngo-tracheal replacement

RESPIRATORY SYSTEM SURGERY, TRACHEOTOMY

- P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
 R01HL-15779-01 Aspiration pneumonia-Pathophysiology and treatment (dogs)
 P01NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)

RESPIRATORY SYSTEM TRANSPLANTATION

- ** R01NS-08584-05 Laryngo-tracheal replacement

RESPIRATORY SYSTEM TRANSPLANTATION, LUNG TRANSPLANTATION

- P01CA-08748-09 5933 Research program of Sloan-Kettering Institute - Prolong graft survival with blocking antibodies (dogs)
 R01GM-17113-04 Radioscintigraphy demonstration of thrombophlebitis (human, dog, monkey)
 P01GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
 R01HL-01782-19 0001 Cardiovascular and pulmonary problems - Collateral pulmonary ventilation (dogs)
 ** R01HL-01782-19 0003 Cardiovascular and pulmonary problems - Physiological changes associated with reimplantation of lung (dogs)
 P01HL-05435-14 0030 Cardiovascular research and training program - Nuclear medicine (human, dogs)
 ** P01HL-06314-14 0049 Immunologic mechanisms in cardiovascular disease - Transplantation
 ** P01HL-06664-13 0027 Cardiopulmonary function in remediable vascular disease - Factors controlling pulmonary perfusion in the reimplanted lung (dogs)
 M P01HL-10436-09 Congenital heart disease
 ** P01HL-10436-09 0013 Congenital heart disease - Lung transplantation (mice)
 ** R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
 ** R01HL-11730-06 Lung homotransplantation (dogs)
 ** R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
 ** R01HL-13987-04 Transplantation of the lung (dogs)
 ** P17HL-14169-04 0002 Pulmonary disease center - Lung transplantation (dogs)
 ** R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
 ** R01HL-14901-02 Experimental pulmonary transplantation (baboons)
 ** R01HL-15246-01 Lung allotransplantation (baboon)
 ** R01HL-15593-02 0004 Prolonged extracorporeal cardiopulmonary support - Laboratory evaluation of lung transplant rejection (sheep)
 ** R01HL-16476-01 Experimental lung transplantation (dogs, fozes)
 M01RR-00051-13 0135 General clinical research center - Organ transplantation-Extrarenal organs (human)
 ** M01RR-00053-13 0037 Clinical research center - Lung transplantation (human)
 ** M01RR-00425-06 0059 General clinical research center - Human lung transplantation

RESPIRATORY TUBERCULOSIS

SEE ACTINOMYCETALES INFECTIONS, TUBERCULOSIS

RESPIRATORY VIRUSES

SEE VIRUSES, RESPIRATORY (GENERAL)

RESPIRATORY VISUALIZATION*

- R01GM-10797-09 0006 Pattern recognition in clinical medical laboratories - Lung X-rays
 P01GM-17366-04 0004 Biochemical and physiologic response to trauma - Pulmonary aspects of shock and trauma (human)
 P01GM-17729-04 0001 Diagnostic content and redundancy in radiant images - Digitization, display, and storage of radiant images
 P01GM-17729-04 0002 Diagnostic content and redundancy in radiant images - Extraction of radiant image intelligence
 P01GM-18674-03 0013 Diagnostic radiology research and training center - Perceptual errors in diagnostic radiology
 P01GM-18940-02 0004 Study of radiologic images - Clinical evaluation of imaging systems
 R01GM-21367-01 Materials and components for miniature fiberscopes (human, dogs)
 ** R01HD-08537-01 Bioinstrumentation for neonatal critical care (human, dogs)

RESPIRATORY VISUALIZATION, BRONCHOGRAPHY*

- ** N01CB-33855-04 Study of intrabronchial deposition on inhaled radioopaque particles
 ** R01GM-20998-01 Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys)
 P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)
 ** P17HL-14201-04 0013 Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
 ** P17HL-14201-04 0015 Pulmonary disease research center - Timed expiratory chest films for the detection of COPD (human)

RESPIRATORY VISUALIZATION, BRONCHOSCOPY*

- ** M01RR-00075-11 0062 General clinical research center for children - Evaluation of bronchial lavage via ventilating bronchoscope in cystic fibrosis

RESPIRATORY VISUALIZATION, LUNG SCANNING*

- P01CA-13343-02 0022 Environmental cancer - Use of aerosols for lung cancer diagnosis and screening surveys (donkeys, human)
 P01GM-10548-12 0001 Nuclear instrumentation and chemistry in medicine - Systems analysis
 P01GM-10548-12 0006 Nuclear instrumentation and chemistry in medicine - Pathophysiological studies (human)
 ** P17HL-14179-04 0011 Center for the study of lung disease - Radioisotopic studies of pulmonary function (human)

RESPONSE

SEE STIMULUS-RESPONSE (GENERAL)

RESPONSE GENERALIZATION

SEE PSYCHOLOGY, LEARNING, GENERALIZATION, RESPONSE

REST

SEE HEALTH, PHYSICAL ACTIVITY, REST

RESTIM

SEE BLOOD AND RE SYSTEM, RE STIMULATING FACTORS

RESTRICTED PHYSICAL ACTIVITY

SEE HEALTH, PHYSICAL ACTIVITY, RESTRICTED

RESUSCITATION

SEE HEALTH CARE SERVICES, RESUSCITATION

RESUSCITATION, ARTIFICIAL RESPIRATION

SEE RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION, ARTIFICIAL RESPIRATION

RESUSCITATION, HEART

SEE HEART RESUSCITATION

RETE MIRABILE OF BRAIN

SEE CEREBROVASCULAR SYSTEM, RETE MIRABILE

RETICULAR FORMATION

SEE BRAIN, RETICULAR FORMATION

RETICULOCYTES

SEE BLOOD CELLS, ERYTHROCYTES, RETICULOCYTES

RETICULOENDOTHELIAL STIMULATING FACTORS

SEE BLOOD AND RE SYSTEM, RE STIMULATING FACTORS

RETICULOENDOTHELIAL SYSTEM

SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)

RETICULOENDOTHELIAL TISSUE TRANSPLANTATION

SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL TISSUE TRANSPLANTATION

RETICULOENDOTHELIOSIS

SEE BLOOD AND RE DISORDERS, RETICULOENDOTHELIOSIS

RETICULOENDOTHELIOSIS SPHINGOLIPID

SEE METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES

RETICULOSPINAL TRACT

SEE NERVOUS SYSTEM CENTRAL, RETICULOSPINAL TRACT

RETICULUM CELL

SEE BLOOD AND RE SYSTEM, RETICULUM CELL

RETICULUM CELL SARCOMA

SEE BLOOD AND RE NEOPLASMS, RETICULUM CELL SARCOMA

RETICULUM CELL SARCOMA TYPE A

SEE BLOOD AND RE NEOPLASMS, HISTIOCYTOMA

RETICULUM CELL-LIKE SARCOMA YOSHIDA

SEE BLOOD AND RE NEOPLASMS, RETICULUM CELL-LIKE SARCOMA YOSHIDA

RETINA

SEE EYE, RETINA

RETINA DEGENERATION

SEE EYE DISORDERS, RETINA AND CHOROID DISORDERS, RETINA DEGENERATION

RETINA DETACHMENT

SEE EYE DISORDERS, RETINA AND CHOROID DISORDERS, RETINA DETACHMENT

RETINA DISORDERS

SEE EYE DISORDERS, RETINA AND CHOROID DISORDERS (GENERAL)

RETINAL

SEE EYE, VISUAL PIGMENTS, RETINAL

RETINAL ADAPTATION

SEE EYE, VISION, RETINAL ADAPTATION (GENERAL)

RETINAL ARTERIES

SEE EYE CIRCULATION, RETINAL ARTERIES

RETINAL BIPOLAR NEURONS

SEE EYE, RETINAL BIPOLAR NEURONS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

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(contd)

RETINAL CIRCULATION
SEE EYE CIRCULATION, RETINAL CIRCULATION

RETINAL CIRCULATORY DISORDERS
SEE EYE CIRCULATORY DISORDERS, RETINAL CIRCULATORY DISORDERS

RETINAL CONES
SEE EYE, RETINAL CONES

RETINAL CORRESPONDENCE
SEE EYE, VISION, RETINAL CORRESPONDENCE

RETINAL DIRECTIONAL BRIGHTNESS SENSITIVITY
SEE EYE, VISION, RETINAL DIRECTIONAL BRIGHTNESS SENSITIVITY

RETINAL FLASH STIMULATOR
SEE EYE EXAMINATIONS, RETINAL FLASH STIMULATOR*

RETINAL GANGLION
SEE EYE, RETINAL GANGLION

RETINAL HEMORRHAGE
SEE EYE CIRCULATORY DISORDERS, RETINAL (INCLUDING VITREOUS) HEMORRHAGE

RETINAL PHOTOSENSITIVE PIGMENTS
SEE EYE, VISUAL PIGMENTS

RETINAL RODS
SEE EYE, RETINAL RODS

RETINAL SCREENING PIGMENTS
SEE EYE, RETINAL SCREENING PIGMENTS

RETINE AND PROMINE
SEE CELL GROWTH REGULATION, PROMINE AND RETINE

RETINENE
SEE EYE, VISUAL PIGMENTS, RETINAL

RETINITIS PIGMENTOSA
SEE EYE DISORDERS, RETINITIS PIGMENTOSA

RETINITIS PROLIFERANS
SEE EYE DISORDERS, RETINITIS PROLIFERANS

RETINOBLASTOMA
SEE EYE NEOPLASMS, RETINOBLASTOMA

RETINOGRAPHY
SEE EYE EXAMINATIONS, RETINOGRAPHY*

RETINOIC ACID
SEE VITAMIN A ACID

RETINOL
SEE VITAMIN A

RETIREMENT
SEE OCCUPATIONS, RETIREMENT

RETIREMENT AND PRE-RETIREMENT EDUCATION
SEE EDUCATION, RETIREMENT AND PRERETIREMENT

RETRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, RETRANSPLANTATION

RETRIEVAL SYSTEMS
SEE INFORMATION RETRIEVAL

RETROBULBAR TISSUES
SEE EYE, RETROBULBAR TISSUES

RETROLENTAL FIBROPLASIA
SEE EYE DISORDERS, RETROLENTAL FIBROPLASIA

REVASCLARIZATION HEART
SEE HEART REVASCLARIZATION

REVASCLARIZATION KIDNEY
SEE KIDNEY SURGERY, KIDNEY REVASCLARIZATION

REVASCLARIZATION MYOCARDIAL
SEE HEART REVASCLARIZATION

REVASCLARIZATION NON-SURGICAL
SEE CARDIOVASCULAR SYSTEM, BLOOD SUPPLY, REVASCLARIZATION NON-SURGICAL

REVASCLARIZATION SURGICAL
SEE CARDIOVASCULAR SURGERY, REVASCLARIZATION SURGICAL

REVERSAL LEARNING
SEE PSYCHOLOGY, LEARNING, REVERSAL

REVERSE ISOLATION (LIFE ISLAND)
SEE COMMUNICABLE DISEASE CONTROL, LIFE ISLAND

REWARDS AND NON-REWARDS
SEE PSYCHOLOGY, MOTIVATION, REWARDS AND NON-REWARDS

REYE'S SYNDROME
SEE LIVER DISORDERS, REYE'S SYNDROME

RH ANTIBODIES
SEE BLOOD GROUPS ISOANTIBODIES, RH ANTIBODIES

RH FACTORS
SEE BLOOD GROUPS, RH SYSTEM

RH SYSTEM
SEE BLOOD GROUPS, RH SYSTEM

RHABDOMYOSARCOMA
SEE MUSCLE NEOPLASMS, RHABDOMYOSARCOMA

RHEOLOGY AIR
SEE AIR FLOW (ENVIRONMENTAL)
SEE COMMUNICABLE DISEASE CONTROL, LAMINAR FLOW SYSTEM
SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS*

RHEOLOGY LIQUIDS
SEE BLOOD AND RE SYSTEM, LYMPH FLOW
SEE CARDIOVASCULAR FUNCTION, BLOOD FLOW
SEE PHYSICAL PROPERTIES, FLUID FLOW
SEE WATER FLOW

RHEUMATIC DISORDERS
SEE CONNECTIVE TISSUE DISORDERS, RHEUMATIC DISORDERS

RHEUMATIC FEVER
SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS, RHEUMATIC FEVER

RHEUMATIC HEART DISEASE
SEE HEART DISORDERS, RHEUMATIC HEART DISEASE

RHEUMATISM NONARTICULAR
SEE CONNECTIVE TISSUE DISORDERS, RHEUMATISM NONARTICULAR

RHEUMATOID ARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID

RHEUMATOID FACTORS
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID FACTORS

RHINITIS
SEE NASAL DISORDERS, RHINITIS

RHINOTRACHEITIS
SEE VIRUS DISEASES, HERPESVIRUS, INFECTIOUS BOVINE RHINOTRACHEITIS

RHINOVIRUSES
SEE VIRUSES, PICORNAVIRUSES, RHINOVIRUSES

RHIZOMES
SEE PLANTS, RHIZOMES*

RHIZOPODA
SEE PROTOZOA, SARCODINA GENERAL

RHIZOPUS
SEE FUNGI, MUCORALES, RHIZOPUS*

RHODANESE
SEE TRANSULFURASES, THIOSULFATE TRANSULFURASE

RHODIUM
SEE METALS, HEAVY METALS, RHODIUM

RHODOPSIN
SEE EYE, VISUAL PIGMENTS, RHODOPSIN

RHODOSPIRILLUM RUBRUM
SEE BACTERIA, PSEUDOMONADALES, RHODOSPIRILLUM RUBRUM*

RHODOTORULA
SEE FUNGI, YEASTS, RHODOTORULA*

RHODOTOXINS
SEE TOXICOLOGY, PLANT POISONS, GRAYANOTOXINS

RHOTHANE
SEE PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, DDD

RHR REFLEX
SEE HEART FUNCTION, HEART RATE, RHR REFLEX

RIBITOL DEHYDROGENASE
SEE OXIDOREDUCTASES, RIBITOL DEHYDROGENASE

RIBOFLAVIN
SEE FLAVIN NUCLEOSIDES, RIBOFLAVIN

RIBOFLAVIN ANALOGS
SEE FLAVIN NUCLEOSIDES, RIBOFLAVIN ANALOGS

RIBOFLAVIN DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, RIBOFLAVIN DEFICIENCY

RIBOFLAVIN NUCLEOTIDES
SEE FLAVIN NUCLEOTIDES, RIBOFLAVIN NUCLEOTIDES

RIBONUCLEASE
SEE NUCLEASES, RIBONUCLEASE

RIBONUCLEIC ACID(S)
SEE NUCLEIC ACIDS, RNA

RIBONUCLEIC ACID POLYMERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

RIBONUCLEIC ACIDS REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RIBONUCLEOPROTEINS
SEE NUCLEOPROTEINS, RIBONUCLEOPROTEINS

RIBONUCLEOSIDE MONOPHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOSIDE MONOPHOSPHATES

RIBONUCLEOSIDE TRIPHOSPHATE RNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, RNA NUCLEOTIDYLTRANSFERASES

RIBONUCLEOSIDE TRIPHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOSIDE TRIPHOSPHATES

RIBONUCLEOSIDES
SEE NUCLEOSIDES, RIBONUCLEOSIDES

5'-RIBONUCLEOTIDE PHOSPHOHYDROLASES
SEE PHOSPHOMONOESTERASES, 5'-NUCLEOTIDASE

RIBONUCLEOTIDES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBOSE
SEE PENTOSE, RIBOSE

RIBOSEPHOSPHATE PYROPHOSPHOKINASE
SEE PHOSPHOTRANSFERASES, RIBOSEPHOSPHATE PYROPHOSPHOKINASE

RIBOSE PHOSPHATES
SEE PENTOSE, RIBOSE PHOSPHATES

RIBOSIDES
SEE PENTOSE, RIBOSIDES

RIBOSOMAL RNA
SEE NUCLEIC ACIDS, RRNA

RIBOSOMES
SEE CELL COMPONENTS, RIBOSOMES

RIBOSYLAMINE-5-PHOSPHATE:PYROPHOSPHATE PHOSPHORIBOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, RIBOSYLAMINE-5-PHOSPHATE:PYROPHOSPHATE PHOSPHORIBOSYLTRANSFERASE

RIBS
SEE SKELETAL SYSTEM, RIBS

L-RIBULOSE-5-PHOSPHATE-4-EPIMERASE
SEE ISOMERASES, L-RIBULOSE-5-PHOSPHATE-4-EPIMERASE

RICE
SEE PLANTS, GRAIN, RICE*

RICKETS
SEE SKELETAL DISORDERS, BONE METABOLISM, RICKETS

RICKETS, ADULT
SEE SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA

RICKETS, CONGENITAL
SEE METABOLIC DISORDERS INBORN, ACHONDROPLASIA

RICKETS, FETAL
SEE METABOLIC DISORDERS INBORN, ACHONDROPLASIA

RICKETS, RENAL
SEE KIDNEY DISORDERS, RENAL RICKETS

RICKETS, VITAMIN D RESISTANT
SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

RICKETTSIA
SEE RICKETTSIALES, RICKETTSIA

RICKETTIA BURNETII
SEE RICKETTSIALES, COXIELLA BURNETII

RICKETTIA PROWAZEKII
SEE RICKETTSIALES, RICKETTIA PROWAZEKII

RICKETTSIAL DISEASES (GENERAL)
SEE ALSO BEDSONIA DISEASES
** R07A-10049-15 0003 International center for medical research - Ecology and vectors of rickettsial infection in West Pakistan (tick, mice, human)

RICKETTSIAL DISEASES, Q FEVER
SEE ALSO RICKETTSIALES, COXIELLA BURNETII
** R01A-06448-10 EM studies of microtubular elements and a rickettsia (helminths, mice, crustace)

** R01A-12018-01 Human perinatal infections with Coxiella burnetii

(contd)

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RICKETTSIAL DISEASES, TYPHUS

- SEE ALSO RICKETTSIALES, RICKETTSIA PROWAZEKII
 R01A-04242-13 Important genera of Siphonaptera (fleas)
 ** R07A-10049-15 0003 International center for medical
 research - Ecology and vectors of rickettsial infection in
 West Pakistan (tick, mice, human)

RICKETTSIAL DISEASES, TYPHUS, SCRUB TYPHUS

- ** R07A-10049-15 0003 International center for medical
 research - Ecology and vectors of rickettsial infection in
 West Pakistan (tick, mice, human)
 R01LM-02024-01 Chigger mites of the world-
 Leptotrombidium complex

RICKETTSIALES

- SEE ALSO BEDSONIA
 N01RR-12501-02 Maintain collections of microorganisms
 and cell cultures

RICKETTSIALES, BARTONELLACEAE

- R01A-10217-04 Interferon and host resistance to viral
 infection (mice)

RICKETTSIALES, COXIELLA BURNETII

- SEE ALSO RICKETTSIAL DISEASES, Q FEVER
 ** R01A-06448-10 EM studies of microtubular elements and
 a rickettsia (helminths, mice, crustace)
 ** R01A-12018-01 Human perinatal infections with Coxiella
 burnetii

RICKETTSIALES, RICKETTSIA

- ** R01A-11508-02 Ultrastructure of rickettsiae in lice and
 fleas (mice, chick embryo, rabbits)

RICKETTSIALES, RICKETTSIA PROWAZEKII

- SEE ALSO RICKETTSIAL DISEASES, TYPHUS
 ** R01A-10164-04 Permeability of the epidemic typhus
 rickettsia

RIFAMYCINS

- SEE ANTIBIOTICS, RIFAMYCINS

RIGIDITY NEUROMOTOR

- SEE NEUROMOTOR DISORDERS, RIGIDITY NEUROMOTOR

RILEY DAY SYNDROME

- SEE CONGENITAL ABNORMALITIES, NEUROLOGICAL,
 DYSAUTONOMIA FAMILIAL

RILEY VIRUS

- SEE VIRUSES, TOGAVIRUSES, RILEY VIRUS

RINGWORM

- SEE MYCOSES, TINEA

RISK-TAKING BEHAVIOR

- SEE PSYCHOLOGY, BEHAVIOR, COMPULSIVE, RISK-TAKING-
 GAMBLING

RITALIN

- SEE PIPERIDINE CARBOXYLIC ACIDS, METHYLPHENIDATE

RITUAL (SOCIOCULTURE)

- SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE,
 SYMBOLISM

RIVERS

- SEE WATER ENVIRONMENT, LIMNOLOGY

RNA

- SEE NUCLEIC ACIDS, RNA

RNA BACTERIAL

- SEE NUCLEIC ACIDS, RNA BACTERIAL

RNA BIOSYNTHESIS

- SEE NUCLEIC ACIDS SYNTHESIS, RNA

RNA DIRECTED DNA

- NUCLEOTIDYLTRANSFERASES**
 SEE NUCLEOTIDYLTRANSFERASES, DNA
 NUCLEOTIDYLTRANSFERASES, RNA DIRECTED

RNA METHYLATED

- SEE NUCLEIC ACIDS, METHYLATED RNA

RNA NUCLEOTIDYLTRANSFERASE

- SEE NUCLEOTIDYLTRANSFERASES, RNA
 NUCLEOTIDYLTRANSFERASES

RNA POLYMERASE

- SEE NUCLEOTIDYLTRANSFERASES, RNA
 NUCLEOTIDYLTRANSFERASES

RNA REPLICATION

- SEE NUCLEIC ACIDS SYNTHESIS, RNA

RNA VIRAL

- SEE NUCLEIC ACIDS, RNA VIRAL

RNA VIRUSES (GENERAL)

- SEE VIRUSES, RNA VIRUSES (GENERAL)

RNCI-2 VIRUSES

- SEE VIRUSES, ONCORNA, LEUKEMIA MOUSE RAUSCHER

ROACHES, COCKROACHES

- SEE ARTHROPODS, INSECTS, ORTHOPTERA, BLATTIDS,
 COCKROACHES*

ROAD CONDITIONS

- SEE INJURIES, ACCIDENTS VEHICLE

RODENTICIDES

- SEE PESTICIDES, RODENTICIDES

RODENTS

- SEE MAMMALS, RODENTS*

RODENTS CONTROL

- SEE PEST CONTROL, RODENTS CONTROL

ROLE

- SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, ROLE

RORSCHACH

- SEE PSYCHOLOGICAL TESTS, RORSCHACH*

ROSE BENGAL

- SEE BENZOPYRANS, XANTHENES, ROSE BENGAL

ROTATIONAL RADIOISOTOPE PHOTOSCANNER

- SEE RADIOAUTOGRAPHY, ROTATIONAL RADIOISOTOPE
 PHOTOSCANNER*

ROTENONE

- SEE PESTICIDES, INSECTICIDES, PLANT POISONS, ROTENONE

ROTHIA DENTOCARIOSA

- SEE ACTINOMYCETALES, ACTINOMYCES DENTOCARIOSUS

ROTIFERS

- ** R01HD-08210-01 Vitamin E-New bioassay, new effects,
 new compound (rotifers)
 R01NS-09821-04 Neural development genetic and
 environmental control (crustaceans)

ROUS SARCOMA

- SEE BLOOD AND RE. NEOPLASMS, LEUKOSIS-SARCOMA AVIAN,
 ROUS SARCOMA

ROUS SARCOMA VIRUS

- SEE VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, ROUS

ROUTE OF ADMINISTRATION

- SEE DOSAGE AND ROUTE, ROUTE OF ADMINISTRATION

ROUTE OF NUTRIENT ADMINISTRATION

- SEE NUTRITION, DIET SCHEDULE AND ROUTE

RRNA

- SEE NUCLEIC ACIDS, RRNA

RUBBER

- SEE PLASTICS, RUBBER

RUBEFACIENTS

- SEE DISEASES, PATHOLOGIC PROCESSES, IRRITATION, SKIN
 IRRITANTS

RUBELLA

- SEE VIRUS DISEASES, TOGAVIRUSES, RUBELLA

RUBELLA VACCINES

- SEE VACCINES, VIRAL, RUBELLA VACCINES

RUBELLA VIRUS

- SEE VIRUSES, TOGAVIRUSES, RUBELLA VIRUS

RUBEOLA

- SEE VIRUS DISEASES, MYXOVIRUS, MEASLES

RUBIDIUM

- SEE METALS, ALKALI METALS, RUBIDIUM

RUBIDIUM RADIOISOTOPES (81,86)

- SEE RADIOISOTOPES, RUBIDIUM

RUBIDOMYCIN

- SEE ANTIBIOTICS, DAUNOMYCIN

RUBRATOXINS

- SEE TOXICOLOGY, MYCOTOXINS, RUBRATOXINS

RUBREDOXIN

- SEE METALLOPROTEINS, RUBREDOXIN

RUBROSPINAL TRACT

- SEE NERVOUS SYSTEM CENTRAL, RUBROSPINAL TRACT

RUMEN BACTERIA

- SEE BACTERIA, ENTERIC, RUMEN BACTERIA*

RUMINANTS

- SEE MAMMALS, UNGULATES, PERISSODACTYLA (GENERAL) -
 SEE ALSO SPECIFICS*

RUNAWAY CHILDREN

- SEE CHILD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL,
 RUNAWAYS

RUNAWAY REACTION

- SEE CHILD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL,
 RUNAWAYS

RUPTURE, ESOPHAGEAL

- SEE GASTROINTESTINAL DISORDERS, ESOPHAGEAL
 PERFORATION AND RUPTURE

RURAL AREAS

- SEE SOCIOENVIRONMENT, RURAL AREAS

RYANIA ALKALOIDS

- SEE ALKALOIDS, RYANIA

SACCHARIC ACID

- SEE SUGAR ACIDS, HEXARIC ACIDS, SACCHARIC ACID

SACCHARIN

- SEE SWEETENING AGENTS

SACCHAROMYCES

- SEE FUNGI, YEASTS, SACCHAROMYCES*

SACCHAROMYCETALES

- SEE FUNGI, YEASTS*

SACCHAROPINE SYNTHETASE DEFICIENCY

- SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES,
 LYSINEMIA

SACRAL PLEXUS

- SEE NERVOUS SYSTEM, SPINAL NERVES, SACRAL PLEXUS

SAFETY AND OCCUPATIONAL HEALTH STUDY SECTION

- ** R01ES-00852-01 Environmental trace metal intoxications
 of the kidney (rats)
 ** R01ES-00969-01 Combined impulse continuous noise-
 Auditory effect (chinchillas)
 ** R01FD-00010-15 Toxicology of commercial products
 ** R01MH-23023-03 Automobile accidents in youth-A
 psychosocial study
 R01OH-00300-03 Protection of eyes, face and body against
 high impacts
 ** R01OH-00303-16 Clinical and laboratory studies of metal
 sensitivity (guinea pigs, human)
 ** R01OH-00304-10 Physiological studies on byssinosis
 (human, guinea pigs)
 ** R01OH-00306-14 Farmers lung-An experimental
 investigation (human, guinea pigs)
 ** R01OH-00308-18 Evaluation of stresses of exposure to
 heat in humans
 ** R01OH-00309-16 Factors affecting the excretion of
 industrial poisons (human)
 R01OH-00315-11 Biochemical and physiologic response to
 toxic stress (rats)
 ** R01OH-00321-06 In vitro studies of occupational
 dermatitis (guinea pigs, human)
 ** R01OH-00322-06 Health hazards of the di-isocyanates
 (human)
 ** R01OH-00327-06 Carbon monoxide and human information
 processing
 ** R01OH-00334-05 Air pollution and lung clearance of
 particles
 ** R01OH-00337-05 Mechanisms of cadmium toxicity (rats)
 M R01OH-00340-05 Respiratory effects of inhaled gases and
 aerosols
 ** R01OH-00342-04 Effects of environmental pollutants in
 rodents (rats)
 ** R01OH-00347-04 Biological interactions of environmental
 metals (dogs)
 ** R01OH-00350-04 Damage-risk contours for intermittent
 noise exposures (human)
 ** R01OH-00355-03 Interaction of coal dust with essential
 metals (rats)
 R01OH-00356-03 Cellular response to coal mine dust in
 vitro (human)
 R01OH-00357-03 Fate of inhaled coal dust (rabbits, rats)
 ** R01OH-00360-04 Immune injury in occupational respiratory
 diseases (rabbits, mice)
 ** R01OH-00364-03 Effects of impulse noise on the auditory
 system (chinchillas)
 ** R01OH-00368-03 Occupational exposure to
 organophosphorus compounds (human)
 ** R01OH-00369-02 Epidemiology of respiratory disease in
 firefighters
 ** R01OH-00371-02 Occupational hazards of laser material
 processing (human)
 ** R01OH-00387-03 Accelerated silicosis in sandblasters
 (human)
 R01OH-00396-02 Aerosol deposition in human subjects
 ** R01OH-00415-01 Ultra-sensitive methods of trace metal
 analysis
 ** R01OH-00417-01 Noise control research on wood planers
 ** R01OH-00423-01 Working conditions, job satisfaction, and
 CHD risk
 ** R01OH-00424-01 Agriculture tractor operator protection
 ** R01OH-00442-01 Coordinated textile industry noise
 reduction program
 ** R01OH-00449-01 Cohort study of cancer mortality in
 virologists
 R01OH-00456-01 Better foundry hygiene through
 permanent mold casting
 ** R01OH-00460-01 Byssinosis and small airways disease
 R01OH-00465-03 Current trends in survivorship of
 radiologists (human)

(contd)

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- ** R01OH-00470-01 Vibration characteristics of the hand and arm
 ** R01OH-00472-01 Exposures of mixtures of airborne contaminants (guinea pigs)
 ** R01OH-00479-01 Effects of vibration on human comfort and performance
 ** R01OH-00494-01 Punch press noise reduction demonstration
 ** R01OH-00497-01 Temperature-time effects on sedentary job performance
 ** R01OH-00511-02 Bysynosis (human, rabbits, guinea pigs, hamsters)
 ** R01OH-00513-01 Detection of environmental depigmenting substances (guinea pigs)
 ** R01OH-00514-01 Back injuries—Mechanical stresses in the human spine
 ** R01OH-00518-01 Gastric response to inhaled methyl methacrylate vapor (rats)
 ** R01OH-00525-01 Association of leukemia with agriculture occupation

SAFETY EQUIPMENT-ENGINEERING

SEE INJURY (HAZARD) PREVENTION, SAFETY EQUIPMENT-ENGINEERING

SAFROLE

SEE 1,3-BENZODIOXOLES, SAFROLE

ST. LOUIS ENCEPHALITIS VIRUS

SEE VIRUSES, ARBOVIRUSES B, ST. LOUIS ENCEPHALITIS VIRUS

SALAMANDERS AND NEWTS

SEE AMPHIBIANS, URODELES*

SALICYLATES

SEE PHENYLCARBOXYLATES, SALICYLATES

SALICYLAZOSULFAPYRIDINE

SEE SULFANLAMIDES, SALICYLAZOSULFAPYRIDINE

SALINE SOLUTIONS

- R01ES-00880-02 Taste of water—Effects of solutes and adaptation (human, rats)
 ** R01GM-05428-16 Evaluation of saline solutions in therapy of shock (dogs, rats, primates)
 R01GM-14312-20 Internal bonding in proteins
 R01GM-14603-08 Structure and interactions of proteins in solution
 ** R01GM-18871-07 Physical chemistry of proteins in salt solutions (human, cattle)
 R01GM-20633-02 Cell membrane transport during shock (frogs, human, primates)
 ** R01GM-21725-01 Evaluation of saline solutions in therapy of shock (dogs, rats, primates)
 R01HD-07290-02 Control of timing and character of labor (human, animals)
 P01HL-11678-07 0001 Cardiovascular dynamics and their control - Salt and water in experimental hypertension (dogs)
 P01HL-11678-07 0022 Cardiovascular dynamics and their control - Salt loading hypertension in baroreceptor denervated dogs
 R01HL-15779-01 Aspiration pneumonia—Pathophysiology and treatment (dogs)
 R01NS-10768-02 Subformal organ control of drinking behavior (rodents, rabbits)
 M01RR-00040-14 0028 General clinical research center - Parathyroid hormone secretion in health and disease (human)
 ** M01RR-00046-14 0034 General clinical research center - Intravascular clotting following intraamniotic infusion of saline (human)
 M01RR-00095-14 0060 General clinical research center - Therapy for sickle cell vaso-occlusive crisis (human)

SALIVA

SEE ORAL-PHARYNGEAL, SALIVA

SALIVARY GLANDS

SEE ORAL-PHARYNGEAL, SALIVARY GLANDS

SALIVARY GLAND DISORDERS

SEE ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS

SALIVARY GLAND HYPERPLASIA

SEE ORAL-PHARYNGEAL HYPERPLASIA, SALIVARY GLAND HYPERPLASIA

SALIVARY GLAND HYPERTROPHY

SEE ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND HYPERTROPHY

SALIVARY GLAND NEOPLASMS

SEE ORAL-PHARYNGEAL NEOPLASMS, SALIVARY GLAND NEOPLASMS

SALIVARY GLAND VIRUSES

SEE VIRUSES, HERPESVIRUSES, CYTOMEGALOVIRUSES

SALIVATION

SEE ORAL-PHARYNGEAL, SALIVATION

SALMONELLA

SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA*

SALMONELLA ENTERITIDIS

SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA ENTERITIDIS*

SALMONELLA FOOD POISONING

SEE FOOD POISONING, SALMONELLA

SALMONELLA TYPHIMURIUM

SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA TYPHIMURIUM*

SALMONELLA TYPHOSA

SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA TYPHOSA*

SALMONELLA VACCINES

SEE VACCINES, BACTERIAL, SALMONELLA VACCINES

SALPINGITIS (OVIDUCTS)

SEE REPRODUCTIVE SYSTEM DISORDERS FEMALE, ADMEXITIS, SALPINGITIS

SALT-FREE DIET

SEE NUTRITION, DIET THERAPEUTIC, SALT RESTRICTED

SALT GLAND

SEE BODY FLUID BALANCE, IONIC, SALT GLAND

SALT INTAKE (APPETITE)

SEE NUTRIENT INTAKE ACTIVITY, SALT INTAKE

SALT RESTRICTED DIET

SEE NUTRITION, DIET THERAPEUTIC, SALT RESTRICTED

SALTS

SEE CHEMICALS UNLISTED ELSEWHERE, SALTS (GENERAL)

SALURESIS

SEE KIDNEY FUNCTION, SALURESIS

SALURETICS

SEE KIDNEY FUNCTION, SALURETICS

SAMALDHI

SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE, MEDITATION

SAMPLING

SEE AIR SAMPLING-MONITORING

SAN JOAQUIN VALLEY FEVER

SEE MYCOSES, COCCIDIOIDOMYCOSIS

SANDFLIES

SEE ARTHROPODS, INSECTS, DIPTERA, PSYCHODIDS*

SANDHOFF-JATZKEWITZ DISEASE

SEE METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE GM2 TYPE II

SANFILIPPO SYNDROME

SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, SANFILIPPO SYNDROME

SANITATION (GENERAL)

SEE ENVIRONMENTAL HEALTH, SANITATION AND CONTROL (GENERAL)

SANITATION (HOSPITALS)

SEE HOSPITALS INFECTIONS CONTROL

SANITATION AND CONTROL (GENERAL)

SEE ENVIRONMENTAL HEALTH, SANITATION AND CONTROL (GENERAL)

SARCINA

SEE BACTERIA, MICROCOCCACEAE, SARCINA*

SARCODINA

SEE PROTOZOA, SARCODINA GENERAL

SARCOIDOSIS

SEE NEOPLASMS RELATED INTEREST, SARCOIDOSIS

SARCOLEMMMA

SEE MUSCLES, SARCOLEMMMA

SARCOLYSIN

SEE AMINO ACIDS N-MUSTARDS, PHENYLALANINE N-MUSTARDS, SARCOLYSIN

SARCOMA

SEE NEOPLASMS, SARCOMA

SARCOMA I

SEE NEOPLASMS, SARCOMA I

SARCOMA 180

SEE NEOPLASMS, SARCOMA 180

SARCOMA-LEUKEMIA VIRUSES FELINE

SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA FELINE

SARCOMA 37 - LEUKEMIA VIRUSES (MOLONEY)

SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE (GENERAL)

SARCOMA-LEUKEMIA VIRUSES MOUSE

(GENERAL)

SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE (GENERAL)

SARCOMA 19 VIRUS

SEE VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, SARCOMA VIRUSES AVIAN

SARCOMA VIRUSES AVIAN

SEE VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, SARCOMA VIRUSES AVIAN

SARCOMA VIRUSES, MOUSE

SEE VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE, MSV

SARCOMERES

SEE MUSCLE CELLS, SARCOMERES

SARCOPLASMIC RETICULUM

SEE MUSCLE CELLS, SARCOPLASMIC RETICULUM

SARCOSINE

SEE AMINO ACIDS, SARCOSINE

SARCOSINE OXIDASE

SEE OXIDOREDUCTASES, SARCOSINE-O2 OXIDOREDUCTASE

SARCOSINE-O2 OXIDOREDUCTASE

SEE OXIDOREDUCTASES, SARCOSINE-O2 OXIDOREDUCTASE

SARCOSINEMIA

SEE METABOLIC DISORDERS INBORN, SARCOSINEMIA

SATELLITE TOBACCO NECROSIS VIRUS

SEE VIRUSES OF PLANTS, SATELLITE TOBACCO NECROSIS VIRUS

SATISFACTION

SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

SATURATED FATS

SEE LIPIDS, FATS, SATURATED FATS

SATURATED FATTY ACIDS

SEE FATTY ACIDS, SATURATED FATTY ACIDS

SAXITOXIN

SEE TOXICOLOGY, PROTOZOAL TOXINS, SAXITOXIN

SCALP

SEE SKIN, SCALP

SCANDANAVIAN COUNTRIES

SEE GEOGRAPHICAL SITES, EUROPE, SCANDANAVIAN COUNTRIES

SCANDANAVIANS

SEE SOCIAL GROUPS, ETHNIC, EUROPEANS, SCANDANAVIANS

SCANNERS, SCINTILLATION

SEE RADIOASSAY, SCINTILLATION SCANNERS*

SCANNING ELECTRON MICROSCOPY

SEE OPTICS, MICROSCOPY, ELECTRON SCANNING*

SCARS

SEE INJURIES, SCARS

SCHARDINGER ENZYME

SEE OXIDOREDUCTASES, XANTHINE OXIDASE

SCHEDULE, DOSAGE

SEE DOSAGE AND ROUTE, DOSAGE

SCHIEB SYNDROME

SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, SCHIEB SYNDROME

SCHUEERMANN'S DISEASE (KYPHOSIS)

SEE SKELETAL DISORDERS, SPINAL CURVATURES, SCHUEERMANN'S DISEASE

SCHIFF BASES

SEE IMINES, SCHIFF BASES

SCHILDER'S DISEASE

SEE NERVOUS DISORDERS, DEMYELINATION, ENCEPHALITIS PERIAXIALIS

SCHILDER'S DISEASE FAMILIAL

SEE METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES

SCHILLING LEUKEMIA

SEE BLOOD AND RE NEOPLASMS, LEUKEMIA MONOCYTIC

SCHISTOSOMA

SEE HELMINTHS, TREMATODES, SCHISTOSOMA

SCHISTOSOMA HEMATOBIIUM

SEE HELMINTHS, TREMATODES, SCHISTOSOMA HEMATOBIIUM

SCHISTOSOMA JAPONICUM

SEE HELMINTHS, TREMATODES, SCHISTOSOMA JAPONICUM

SCHISTOSOMA MANSONI

SEE HELMINTHS, TREMATODES, SCHISTOSOMA MANSONI (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

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SCHISTOSOMATIUM DOUTHITI
SEE HELMINTHS, TREMATODES, SCHISTOSOMATIUM DOUTHITI

SCHISTOSOMIASIS
SEE PARASITIC DISEASES, HELMINTH INFECTIONS, SCHISTOSOMIASIS

SCHIZOPHRENIA
SEE PSYCHOSIS, SCHIZOPHRENIA

SCHIZOPHYLLUM
SEE FUNGI, BASIDIOMYCETES, AGARICALES*

SCHLATTER-OSGOOD DISEASE
SEE SKELETAL DISORDERS, OSTEOCHONDRITIS (DEFORMANS)

SCHLEMM'S CANAL
SEE EYE, SCHLEMM'S CANAL

SCHOOL HEALTH (SERVICES)
SEE HEALTH CARE SERVICES, STUDENT HEALTH SERVICES

SCHOOLS
SEE EDUCATION, SCHOOLS

SCHULTZ-DALE TEST
SEE HYPERSENSITIVITY TESTS, SCHULTZ-DALE TEST

SCHWANN CELLS
SEE NERVOUS SYSTEM, NEURONS, SCHWANN CELLS

SCIATICA
SEE NERVOUS DISORDERS PERIPHERAL, SCIATICA

SCINTILLATION CAMERAS
SEE RADIOASSAY, SCINTILLATION CAMERAS*

SCINTILLATION COUNTERS
SEE RADIOASSAY, SCINTILLATION COUNTERS*

SCINTILLATION SCANNERS
SEE RADIOASSAY, SCINTILLATION SCANNERS*

SCINTILLATION SPECTROMETRY
SEE RADIOASSAY, SCINTILLATION SPECTROMETRY*

SCLERA
SEE EYE, SCLERA

SCLERAL ENCIRCLING (FOR GLAUCOMA)
SEE EYE SURGERY, GLAUCOMA SURGERY

SCLERODERMA
SEE CONNECTIVE TISSUE DISORDERS, SCLERODERMA

SCLEROPROTEINS
SEE ALBUMINOIDS

SCLEROSIS (ARTERIAL)
SEE CARDIOVASCULAR DISORDERS, ARTERIOSCLEROSIS

SCLEROSIS (DIFFUSE)
SEE METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES
SEE NERVOUS DISORDERS, DEMYELINATION, ENCEPHALITIS PERIAXIALIS

SCLEROSIS (GENERAL)
SEE DISEASES, PATHOLOGIC PROCESSES, SCLEROSIS (GENERAL)

SCLEROSIS DISSEMINATED(MULTIPLE SCLEROSIS)
SEE NERVOUS DISORDERS, DEMYELINATION, MULTIPLE SCLEROSIS

SCLEROSIS PROGRESSIVE SYSTEMIC
SEE CONNECTIVE TISSUE DISORDERS, SCLERODERMA

SCOLIOSIS
SEE SKELETAL DISORDERS, SPINAL CURVATURES, SCOLIOSIS

SCOPOLAMINE
SEE TROPANES, SCOPOLAMINE

SCOTLAND
SEE GEOGRAPHICAL SITES, EUROPE, BRITISH ISLES

SCOTOMA
SEE EYE DISORDERS, VISION DISORDERS, SCOTOMA

SCOTOPHOBIN AND MEMORY
SEE PSYCHOLOGY, LEARNING, BIOCHEMISTRY, MEMORY PEPTIDES

SCRAPIE
SEE NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, SCRAPIE

SCREENING
SEE DIAGNOSTIC SERVICES, MASS SCREENING
SEE DRUGS SCREENING

SCRUB TYPHUS
SEE RICKETTSIAL DISEASES, TYPHUS, SCRUB TYPHUS

SCURVY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C

SCYPHOZOA
SEE COELENTERATES, SCHYPHOZOA*

SEA LIONS
SEE MAMMALS, CARNIVORES AQUATIC*

SEA OTTER
SEE MAMMALS, CARNIVORES AQUATIC*

SEA URCHINS
SEE ECHINODERMS, ECHINODEA, SEA URCHINS*

SEA WATER
SEE WATER ENVIRONMENT, SEA WATER

SEAFOOD
SEE FOOD, SEAFOOD

SEAFOOD POISONING
SEE FOOD POISONING, SEAFOOD POISONING

SEALANTS, DENTAL
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

SEALASE
SEE NUCLEIC ACIDS REPAIR, DNA REPAIR (ENZYME)

SEALS
SEE MAMMALS, CARNIVORES AQUATIC*

SEASONS, SEASONAL VARIATION
SEE ENVIRONMENT, CLIMATE, SEASONS

SEBACEOUS GLAND DISORDERS
SEE SKIN DISORDERS, SEBACEOUS GLAND

SEBACEOUS GLANDS
SEE SKIN, SEBACEOUS GLANDS

SEBUM
SEE SKIN SECRETIONS, SEBUM

SECOBARBITAL
SEE PYRIMIDINES, BARBITURATES, SECOBARBITAL

SECONDARY EDUCATION
SEE EDUCATION, SCHOOLS, SECONDARY

SECRETIN
SEE GASTROINTESTINAL HORMONES, SECRETIN

SECRETORY IMMUNOGLOBULIN A
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SECRETORY MECHANISMS
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS

SECRETORY (ANTIBODY) (FACTOR) SYSTEM
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SECTIONING
SEE TISSUE AND CELL PREPARATION, SECTIONING

SEDATIVES
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SEDIMENTATION
SEE PHYSICAL PROPERTIES, SEDIMENTATION

SEDIMENTATION CONSTANTS
SEE PHYSICAL PROPERTIES, SEDIMENTATION CONSTANTS

SEDIMENTATION EQUILIBRIUM
SEE PHYSICAL PROPERTIES, SEDIMENTATION EQUILIBRIUM

SEEDS
SEE PLANTS, SEEDS*

SEGREGATION
SEE SOCIAL INTEGRATION

SELENIUM (COMPOUNDS)
SEE METALS, METALLOIDS, SELENIUM

SELENIUM, RADIOLABELED
SEE RADIOLABELED SELENIUM*

SELENIUM 75
SEE RADIOISOTOPES, SELENIUM 75

SELENIUM POISONING
SEE METALS POISONING, SELENIUM POISONING

SELENOAMINO ACIDS
SEE SULFUR AMINO ACIDS SELENATED

SELENOMETHIONINE
SEE SULFUR AMINO ACIDS, METHIONINE, SELENOMETHIONINE

SELENOPURINES
** P02CA-13943-02 0002 Clinical pharmacology immunology cancer research center - Synthesis of ARA-6-seleno purine and derivatives
** P02CA-13943-02 0005 Clinical pharmacology immunology cancer research center - Preparing 75 SE-labeled selenium compounds

SELENOPYRIMIDINES
R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides

SELF-CONCEPT
SEE PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT

SELF-DESTRUCTIVE, SELF-INJURIOUS, SELF-MUTILATING BEHAVIOR
SEE PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS, SELF-DESTRUCTIVE BEHAVIOR

SELF-HELP ORGANIZATIONS (GENERAL)
SEE SOCIAL SELF-RELIANCE, SELF HELP ORGANIZATIONS

SELF HELP ORGANIZATIONS (MENTAL HEALTH)
SEE MENTAL HEALTH ORGANIZATIONS, SELF HELP ORGANIZATIONS

SELF-HELP ORGANIZATIONS (OCCUPATIONAL AND SKILL POOLING, ETC.)
SEE SOCIAL SELF-RELIANCE, SELF HELP ORGANIZATIONS

SELF MEDICATION
SEE DRUGS, CHEMOTHERAPY, SELF MEDICATION

SELF-ORGANIZATION
SEE PSYCHOLOGY, PERSONALITY, SELF-ORGANIZATION

SELF-RELIANCE SOCIAL, INDEPENDENCY
SEE SOCIAL SELF-RELIANCE, INDEPENDENCY

SELF STIMULATION
SEE PSYCHOLOGY, BEHAVIOR, SELF STIMULATION

SELLA TURCICA
SEE SKELETAL SYSTEM, SKULL, SELLA TURCICA

SEMANTIC DIFFERENTIAL (PSYCHOLINGUISTICS)
SEE INFORMATION-COMMUNICATION BEHAVIOR, PSYCHOLINGUISTICS, SEMANTIC DIFFERENTIAL

SEMANTICS
SEE INFORMATION AND COMMUNICATION, SEMANTICS

SEMEN
SEE FERTILITY, SEMEN

SEMEN PRESERVATION
SEE FERTILITY, SEMEN PRESERVATION-ARTIFICIAL FERTILIZATION

SEMICARBAZONES
SEE AZO COMPOUNDS, SEMICARBAZONES

SEMICONDUCTION
SEE ELECTRICAL CONDUCTION, SEMICONDUCTION

SEMINAL VESICLES
SEE REPRODUCTIVE SYSTEM MALE, SEMINAL VESICLES

SEMINOMA (GENERAL)
SEE REPRODUCTIVE SYSTEM NEOPLASMS, GERM CELL NEOPLASMS

SEMIQUINONES
SEE QUINONES, SEMIQUINONES

SEMLIKI FOREST VIRUS
SEE VIRUSES, ARBOVIRUSES A, SEMLIKI FOREST VIRUS

SENDAI VIRUS
SEE VIRUSES, MYXOVIRUSES, PARAINFLUENZA 1 VIRUSES

SENILE DEMENTIA (PSYCHOSIS)
SEE BRAIN DISORDERS, CEREBRAL ATROPHY DIFFUSE, SENILE DEMENTIA

SENIOR CITIZENS, HEALTH CARE SERVICES
SEE HEALTH CARE SERVICES FOR THE ELDERLY

SENIOR CITIZENS, HOUSING
SEE SOCIOENVIRONMENT, RESIDENCE CHARACTERISTICS, HOUSING FOR THE ELDERLY

SENIOR CITIZENS, MENTAL HEALTH (SERVICES)
SEE MENTAL HEALTH (SERVICES) GERIATRIC

SENSE ORGANS
SEE ALSO EAR
SEE ALSO EYE
** R22AI-10435-03 Sensory structures of schistosomes
P01CA-14195-01 0007 Core grant-Regulation, the cell membrane and cancer - Membrane structure and function (tissue culture)
R01HD-07483-01 Functional development of the gustatory sense (sheep)
** P01HD-08658-01 0007 Developmental neurobiology in primates - Plicodes and caudal proliferation center (Macaca mulatta)
** N01HD-42869-01 Development of mucosal sensory receptors (human, monkeys)
** R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
** R01NS-06728-06 Physiological relations between cerebellar elements (animals)
R01NS-08610-04 Neural activity and behavior (barnacles)
(contd)

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- ** RO1NS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
 RO1NS-11080-01 Transduction mechanisms in lateral line organs (amphibians)
 RO1NS-11174-01 Sensitivity and functional organization of spinal cord (cats, monkeys)
 RO1NS-11386-01 Experimental neuropathies—Correlative studies (cat)
- SENSE ORGANS, CHEMORECEPTORS**
 SEE ALSO ENDOCRINOLOGY INVERTEBRATE, PERICARDIAL ORGAN
 SEE ALSO NERVOUS SYSTEM, PARAGANGLIA
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, OLFACTION
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE
- RO1AI-00947-18 Neurophysiology and behavior (cockroaches, moths, shrimp)
 RO1AI-08746-06 Behavior of bacteria—Biochemistry and genetics
- ** RO1AI-10954-03 Electrophysiological study of chemoreceptors (mosquitoes)
 ** RO1AM-15564-03 0004 Secretion and hormonal integration of exocrine organs - Kinetics of taste and salivary response as model of chemoreception in gut (human)
 P17AM-17047-01 0003 Diabetes-endocrinology research center - Hypothalamic regulation in the rat
 RO1AM-17347-02 Insulin sensitive glucoregulator in the CNS (rats, dogs, mice)
 RO1CA-08231-10 0001 Radiobiology research program - Radiation effect on taste (mice, human)
 RO1DE-02152-09 0019 Dental physiology and biophysics - Neurophysiology of taste and chemosensation (mammals, fish)
- ** PO1DE-02848-06 0016 Biology of connective tissue, bones and teeth -
 RO1DE-03018-05 Molecular aspects of taste (mammals)
 RO1DE-22401-02 Fetal and infantile development of oral sensory receptors in primates
 PO1ES-00454-06 0021 Biological effects of environmental agents - Neural reflexes in cardiovascular response to CO and hypoxic hypoxia (dogs)
 PO1GM-12527-10 0002 Anesthetic and related drugs - Respiratory pharmacology (human, dogs)
 ** PO1GM-15430-07 0024 Research in anesthesia - Medullary integration of chemoreceptor information (cats)
 ** PO1GM-15571-06 0045 Anesthesia research—Program project - Peripheral chemoreceptors and cardiovascular response to isovolemic anemia (cats)
 PO1GM-15571-06 0054 Anesthesia research—Program project - Chronic elevation of HC03 on chemosensitivity of medullary respiratory HO
 PO1GM-15571-06 0055 Anesthesia research—Program project - Permeability and transport of the blood brain barrier to HO and HC03
 PO1GM-16437-06 0001 Biomedical engineering program project - Cardiopulmonary systems (dogs, human)
 PO1GM-18715-02 0003 Biochemical effects and chemical reactions of drugs - Effects of hypoxia and cyanide on pH of glomus cells
 RO1GM-19390-03 Biochemistry of a response system of *Phycomyces*
 PO1HD-02274-08 0081 Mental retardation and child development - Initiation of breathing (sheep)
 ** RO1HD-07033-02 Effect of aging on chemoreceptor sensibility (flies)
 ** RO1HD-07276-01 Chemosensitive systems in sudden infant death (lambs, piglets)
 RO1HD-07826-01 Respiratory loading in sudden infant death (human)
 RO1HL-02644-18 Venomotor responses to circulatory alterations (human, dogs, hamsters)
 RO1HL-02888-18 Interrelationships of circulation and respiration (opossum, cats)
 RO1HL-04032-21 Regulation of respiration at rest and during exercise (human, dogs, sheep)
 RO1HL-04512-15 Ultrastructural studies of capillary permeability (rats, mice, dogs)
 RO1HL-05883-14 Reflex control of resistance and capacitance vessels
 PO1HL-06285-14 0180 Cardiovascular-respiratory physiology and biochemistry - Vagal C-fibers and their influence on visceral and somatic function (animals)
 ** PO1HL-06285-14 0182 Cardiovascular-respiratory physiology and biochemistry - Structure and function of vascular chemoreceptors (cats, rats)
 PO1HL-06285-14 0183 Cardiovascular-respiratory physiology and biochemistry - Neural control of norepinephrine secretion by the adrenal medulla (dogs)
 PO1HL-06285-14 0191 Cardiovascular-respiratory physiology and biochemistry - Control of respiration in early life (human)
 RO1HL-08659-11 Myocardial performance and metabolism in the newborn (sheep)
 PO1HL-08805-10 0004 Cardiovascular and pulmonary performance - Adaptation to hypoxia (human, animals)
 PO1HL-08805-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish—Estivation and submersion
 ** PO1HL-08805-10 0019 Cardiovascular and pulmonary performance - Determinants of arterial chemoreceptor activity (human)
- PO1HL-08805-10 0020 Cardiovascular and pulmonary performance - Ventilatory response to hypoxia with reflex control of circulation (human)
 PO1HL-08805-10 0032 Cardiovascular and pulmonary performance - Effect of anemia on ventilatory response to transient hypoxia (goats)
 ** PO1HL-08899-10 0019 Oxygenation and oxygen effects in man - High oxygen pressure upon carotid chemoreceptor (cats)
 ** PO1HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
 RO1HL-11802-07 Cardiovascular surgical research (dogs)
 ** RO1HL-11907-06 Mechanisms of physiological responses to exercise (human, dogs)
 ** RO1HL-11978-06 Reflexes in regulation of respiration (cats)
 RO1HL-11982-06 Mechanisms of cardiovascular response to anoxia (dogs)
 RO1HL-12564-05 Control of respiration and blood gases (human)
 ** RO1HL-13134-04 Mechanism of chemoreceptor discharge (cats)
 RO1HL-13714-04 Respiratory control in patients with hypoventilation (human)
 RO1HL-13841-13 Respiration during altitude acclimatization (goats, human)
 ** RO1HL-13875-04 Vagal C-fibers from cardiopulmonary receptors (cats, dogs)
 RO1HL-13888-12 Regulation of respiratory activity (human, dogs)
 RO1HL-13926-04 Coronary blood supply and function of aortic bodies (dogs)
 P17HL-14152-04 0007 Pulmonary specialized center of research - Adaptation of the lung to birth and the onset of respiration (lambs)
 RO1HL-14278-03 Quantitation of CO2 inhibition in ventilatory control (human)
 PO1HL-14388-03 0017 Regulation of the circulation in pathological states - Neurogenic vasoconstriction in heart failure (dogs)
 PO1HL-14388-03 0019 Regulation of the circulation in pathological states - Vasopressin in heart failure (dogs)
 ** PO1HL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
 ** RO1HL-14904-01 Circulatory regulation during static muscular exercise (dogs)
 ** RO1HL-14967-03 Chemoreceptor function in dynamic ventilatory control (dogs, rabbits)
 PO1HL-14985-03 0003 Adaptation to hypoxia - Hypoxia and oxygen transport (human, dogs)
 PO1HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
 RO1HL-15416-02 Cardiovascular control in normal and disease states (dogs)
 ** RO1HL-15473-01 Chemoreceptors and ventilatory control (horses)
 RO1HL-16022-01 Determinants of the ventilatory response to hypoxia (goats, cats)
 ** RO1HL-16066-01 Studies on the chemoreceptor reflex (dogs)
 ** RO1HL-16604-01 Function of pulmonary chemosensitivity (chickens, ducks)
 RO1HL-16653-01 Respiratory control and body temperature (turtles)
- M PO1HL-16910-01 Regulation of the peripheral circulation
 ** PO1HL-16910-01 0005 Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
 RO1HL-16925-01 Central chemical control of ventilation (dogs)
 ** R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
 RO1MH-08833-11 Neuropharmacologic studies of local brain function (cats)
 RO1MH-15707-07 Perception and behavior (reptiles)
 RO3MH-24619-01 Chemosensory mechanisms of behavioral modulation (lobsters)
 RO1NS-00847-19 Mechanism of function of higher integrative center (cats, dogs)
 RO1NS-01941-16 Neurophysiology of food intake (rodents)
 PO1NS-02253-15 0001 Neurophysiological and neurochemical studies - Microphysiology of synaptic transmission (frogs, necturus)
 ** RO1NS-04456-12 Chemosensors of the nervous system (cats)
 ** RO1NS-05666-10 Schemoreceptor activity of carotid body (frogs, crayfishes)
 RO1NS-07072-08 Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils)
 PO1NS-07468-07 Sensory biology research center
 ** RO1NS-07472-05 Fine structure of taste buds and related receptors (rabbits, insects)
 RO1NS-07662-08 Structure of nerve endings (rats, chickens)
 RO1NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
 ** PO1NS-07938-06 0001 Peripheral and central nervous system - Chemosensory receptors (cats, frogs)
- ** PO1NS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)
 ** RO1NS-08775-05 Mechanisms of taste function (fish)
 RO1NS-08787-05 A comparative study of the sense of taste (catfish, gastropods, human)
 RO1NS-08902-05 Mechanisms of olfactory communication (gerbils, hamsters)
 RO1NS-09654-04 Genetic variants of synaptic proteins (nematodes)
 ** RO1NS-09696-04 Neural control of discrete behavioral processes (snails)
 RO1NS-11160-02 Synapse formation in low-density culture (chick embryo)
 PO1NS-11255-01 0003 Comparative neurobiology (aphysia, fish, sea lions) - Chemoreception and behavior of marine invertebrates
 RO1NS-11364-02 Cytological localization of serotonin (rabbits, chicks)
 ** RO1NS-11452-01 Mechanism of chemoreception
 RO1OH-00367-03 Respiratory tract irritants—Mechanisms and tolerance (mice, rabbits)
- SENSE ORGANS, MECHANORECEPTORS**
 SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)
 SEE ALSO RESPIRATORY SYSTEM, PULMONARY STRETCH RECEPTORS
 SEE ALSO SENSE ORGANS, OSMORECEPTORS
 SEE ALSO SENSE ORGANS, PRESSORECEPTORS
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRICEPTION
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION
- RO1DE-02152-09 0019 Dental physiology and biophysics - Neurophysiology of taste and chemosensation (mammals, fish)
 R23DE-03746-02 Neural mechanisms of temporomandibular joint kinesiesthesia (cats)
 PO1HD-03352-07 0004 Wisconsin center on mental retardation - Developmental neurophysiology (rodents, cats, racoons)
 RO1HL-01015-23 Hypertension and left ventricular hypertrophy (dogs)
 RO1HL-05883-14 Reflex control of resistance and capacitance vessels
 PO1HL-07762-12 0001 Cardiovascular control by neural and chemical systems - Experimental hemodynamics (dogs)
 PO1HL-07762-12 0002 Cardiovascular control by neural and chemical systems - Arterial mechanical properties (dogs)
 PO1HL-07762-12 0003 Cardiovascular control by neural and chemical systems - Nervous control of the circulation (dogs)
 RO1HL-11802-07 Cardiovascular surgical research (dogs)
 ** RO1HL-11978-06 Reflexes in regulation of respiration (cats)
 RO1HL-14843-01 Respiratory muscle afferents in respiratory control (cats)
 ** RO1HL-15605-01 Site of airway obstruction and control of ventilation (dogs)
 RO1HL-16657-01 Innervation of coronary arteries and heart (cats, Aplysia)
 ** R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
 RO1NS-05685-10 Comparative studies of somatic afferent projection (rats, cats, primates)
 ** RO1NS-05982-09 Development of afferent neural centers (opossum)
 PO1NS-06225-09 0006 Cerebral localization - Simulation of neurons and sensory end organs
 RO1NS-06371-08 Neural correlates of somatic sensibility (monkeys, racoons, opossum)
 ** RO1NS-06478-09 Transduction and encoding in mechanoreceptors (cockroach)
 RO1NS-06658-09 Central vestibular mechanisms (cats)
 PO1NS-06828-08 0011 Neurophysiology—Sensory systems and cerebral cortex - Psychophysical studies of pain sensibility (monkeys, human)
 ** PO1NS-06828-08 0025 Neurophysiology—Sensory systems and cerebral cortex - Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb
 PO1NS-06828-08 0027 Neurophysiology—Sensory systems and cerebral cortex - Psychophysical studies of warmth sensibility (human, monkeys)
 ** RO1NS-07505-06 Neural correlates of skin sensibility (cats)
 RO1NS-07662-08 Structure of nerve endings (rats, chickens)
 ** PO1NS-07938-06 0007 Peripheral and central nervous system - Somatic sensory pathway (mammals)
 ** RO1NS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
 RO1NS-08769-06 Receptors and somatic sensory pathways (cats)
 RO1NS-09733-04 Biochemical characterization of habituation (protozoa)
 RO1NS-09809-04 Temperature and pain in CNS (cats, monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1NS-09940-03 Responses to suprathreshold vibratory stimulation (human)
 ** RO1NS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
 RO1NS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
 RO1NS-11384-01 Central processing of temperature information (monkeys)

SENSE ORGANS, OSMORECEPTORS

- SEE ALSO PITUITARY GLAND, NEUROHYPOPHYSIS
 SEE ALSO PITUITARY GLAND CAUDAL, UROPHYSIS
 RO1AM-01940-16 Neurohypophysial regulation of water excretion (rats, cats, fish)
 RO1AM-15622-03 Neurohypophysial hormone secretion in tissue culture (rat, chick embryo, anurans)
 P17AM-17047-01 0004 Diabetes-endocrinology research center - Diabetes, obesity and other conditions altering fuel physiology (human)
 RO1NS-05638-10 Central neural regulation of body fluids (animals)
 RO1NS-07687-07 Hunger, thirst and water metabolism (rabbits)
 MO1RR-00133-10 0056 General clinical research center - Control of body osmolality in diabetics (human)
 MO1RR-00334-08 0026 General clinical research center - Vagotomy and liver dysfunction on hepatic osmoreceptor control of

SENSE ORGANS, PRESSORECEPTORS

- SEE ALSO CEREBROVASCULAR SYSTEM, CAROTID SINUS
 RO1HL-01755-20 Fetal and neonatal cardiovascular function (sheep)
 ** PO1HL-06308-14 0016 Mechanisms and therapy of circulatory disease - Cardiopulmonary baroreflexes (dogs)
 PO1HL-06336-14 0011 Cardiovascular program project - Cardiovascular regulation in myocardial infarction (human)
 RO1HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
 RO1HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
 M PO1HL-08682-11 Regulation of the cardiovascular system
 PO1HL-08682-11 0001 Regulation of the cardiovascular system - Regulation of the cardiodynamic mechanisms (human, animals)
 PO1HL-08682-11 0002 Regulation of the cardiovascular system - Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats)
 PO1HL-08682-11 0008 Regulation of the cardiovascular system - Spinal regulation of vasomotor and sudomotor outflows (human, dogs, cats)
 PO1HL-08805-10 0020 Cardiovascular and pulmonary performance - Ventilatory response to hypoxia with reflex control of circulation (human)
 RO1HL-09154-10 Central control of distribution of organ blood flow (monkeys)
 PO1HL-09251-10 0002 Implantable artificial circulatory pumping systems - Systems and instrumentation (human, animals)
 RO1HL-09773-09 Circulatory distribution and energy metabolism (human, baboons)
 RO1HL-10330-08 Computer studies of human circulatory system
 PO1HL-10436-09 0014 Congenital heart disease - Cardiovascular pharmacology in the intact conscious dog
 RO1HL-10951-07 Reflex control of ventricular contractility (human, dogs)
 ** PO1HL-11678-07 0012 Cardiovascular dynamics and their control - Control of arterial pressure in chronically denervated dogs
 ** PO1HL-11678-07 0022 Cardiovascular dynamics and their control - Salt loading hypertension in baroreceptor denervated dogs
 ** PO1HL-12738-06 0068 Physiologic pharmacology and its clinical applications - Cardiovascular regulation in mammals
 ** RO1HL-12964-11 Neurogenic regulation of vascular resistance (dogs, rats)
 ** RO1HL-13187-05 0003 Central neural control of cardiovascular function - Medulation of baroreceptor reflexes (cats)
 RO1HL-13187-05 0007 Central neural control of cardiovascular function - Central sympathetic nervous inhibition (cats)
 RO1HL-13187-05 0008 Central neural control of cardiovascular function - Central organization of cardiac vagal reflex pathway (cats)
 RO1HL-13444-04 Prenatal hemodynamics (sheep)
 PO1HL-13517-04 0008 Circulatory performance and prediction - Relationship of venous return to circulatory performance (dogs)
 ** PO1HL-13517-04 0014 Circulatory performance and prediction - Baroreceptor reflexes in man (and animals)
 ** RO1HL-13623-05 Atrial receptors (dogs)
 ** RO1HL-13900-04 Aortic function (dogs)
 RO1HL-14306-03 Quantitative analysis of the renin-angiotensin system (dogs)
 PO1HL-14388-03 0002 Regulation of the circulation in pathological states - Vasodilator activity in renal hypertension and experimental hypertension (dogs).

- ** PO1HL-14388-03 0003 Regulation of the circulation in pathological states - Patterns of baroreceptor afferents in response to pressure (dogs)
 PO1HL-14388-03 0012 Regulation of the circulation in pathological states - Role of active reflex vasodilation in hypertension in man
 PO1HL-14388-03 0017 Regulation of the circulation in pathological states - Neurogenic vasoconstriction in heart failure (dogs)
 PO1HL-14388-03 0019 Regulation of the circulation in pathological states - Vasopressin in heart failure (dogs)
 PO1HL-14388-03 0022 Regulation of the circulation in pathological states - Mechanisms of emotional syncope in aortic stenosis (human)
 PO1HL-14388-03 0029 Regulation of the circulation in pathological states - Orthostatic hypotension (human)
 PO1HL-14388-03 0034 Regulation of the circulation in pathological states - Peripheral vascular response to circumflex flow in myocardial infarct (animal)
 ** PO1HL-14414-03 0007 Cardiorespiratory performance and environmental factors - Control of active expiration (cats, human)
 ** RO1HL-14529-03 Systems analysis of baroreflex (dogs)
 PO1HL-14780-02 0004 Mechanisms and treatment of cardiovascular diseases - Function of postcapillary resistance vessels of the human forearm
 ** PO1HL-14780-02 0007 Mechanisms and treatment of cardiovascular diseases - Low pressure receptors and arteriolar baroreceptors (human)
 RO1HL-14904-01 Circulatory regulation during static muscular exercise (dogs)
 ** RO1HL-15004-02 Baroreceptor regulation in cardiovascular disease (dogs)
 RO1HL-15416-02 Cardiovascular control in normal and disease states (dogs)
 ** RO1HL-15694-01 Pulmonary vascular and left atrial baroreflexes (dogs)
 ** RO1HL-16066-01 Studies on the chemoreceptor reflex (dogs)
 ** RO1HL-16149-01 Ventricular baroreceptors in circulatory control (dogs)
 RO1HL-16834-01 Neural modulation of carotid sinus reflex performance (dogs)
 M PO1HL-16910-01 Regulation of the peripheral circulation
 PO1HL-16910-01 0004 Regulation of the peripheral circulation - Circulation to bone (dogs)
 ** PO1HL-16910-01 0005 Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
 PO1HL-16910-01 0006 Regulation of the peripheral circulation - Regulation of blood flow distribution (human, baboons)
 RO1MH-00623-21 Psychophysiology of the autonomic nervous system (human, cats, monkeys)
 RO1NS-00031-25 Physiology and pharmacology of brain stem (cats, rats)
 RO1NS-00847-19 Mechanism of function of higher integrative center (cats, dogs)
 RO1NS-03970-12 Neural basis of respiratory and vasomotor activity (cats)
 ** RO1NS-04876-09 Central neural regulation of baroreceptor reflexes (cats)
 ** RO1NS-07767-06 Pacinian receptors and vasomotor regulation (cats, dogs)
 RO1NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
 PO1NS-07938-06 0013 Peripheral and central nervous system - Impulse initiation in carotid body chemoreceptors (cats)
 RO1NS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
 ** MO1RR-00042-14 0071 General clinical research center - Baroreflex sensitivity after resection of coarctation of the aorta (human)
 MO1RR-00059-13 0095 General clinical research center - Effect of catecholamines on ventilation in carotid body chemodectomas (human)
 ** MO1RR-00065-12 0051 General clinical research center - Alteration in baroreflex sensitivity in human hypertensives

SENSITIVITY TRAINING GROUPS

SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, SENSITIVITY TRAINING GROUPS

SENSITIZATION ACTIVE

SEE HYPERSENSITIVITY, SENSITIZATION ACTIVE

SENSITIZATION PASSIVE

SEE HYPERSENSITIVITY, SENSITIZATION PASSIVE

SENSITIZATION TRANSFER FACTOR

SEE HYPERSENSITIVITY, TRANSFER FACTOR (HYPERSENSITIVITY)

SENSITIZING ANTIBODIES HUMORAL**(CIRCULATING) (SERUM)**

SEE HYPERSENSITIVITY, SENSITIZING ANTIBODIES HUMORAL

SENSITIZING ANTIBODIES NON-HUMORAL

SEE HYPERSENSITIVITY, SENSITIZING ANTIBODIES NON-HUMORAL

SENSITIZING ANTIGENS

SEE HYPERSENSITIVITY, ALLERGENS

SENSORIMOTOR SYSTEMS (GENERAL)

SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

SENSORY CORTEX

SEE BRAIN, CEREBRAL CORTEX, SENSORY CORTEX

SENSORY DEPRESSION, ANALGESIA

SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANALGESICS

- PO1CA-07368-11 0004 Interrelationships of normal and cancer cells - Electrophysiologic studies with electrodes (human, monkeys)
 ** RO1DA-00367-01 Morphine-CNS sites of analgesia and addiction (rats)
 ** RO1DA-00564-02 Morphine analgesia and addiction - Neurochemical correlates (mice, rats)
 ** RO1DE-03951-01 Acupuncture and dental pain (human)
 RO1GM-20450-01 Acupuncture anesthesia and analgesia (human)
 ** RO1GM-20621-02 Hypno- and acupuncture analgesia - Physiological study (human)
 RO1MH-01475-16 Brain mechanisms in learning and response modulation (rats)
 ** PO1MH-12568-08 0012 Neuropsychopharmacological studies of attention - Narcotic analgesia (rats)
 RO1MH-15406-07 Behavioral pharmacology of tryptamines (rats, monkeys)
 RO1MH-19152-04 Cognitive control of pain
 RO1NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 ** MO1RR-00133-10 0053 General clinical research center - Effect of post-operative peridural analgesia on pulmonary therapy (human)
 PO7RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory
- SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA**
 SEE ALSO SENSORY DEPRESSION, ELECTRONARCOSIS
 ** PO1GM-21056-01 0014 Interfacial behavior of biomaterials - Electrical analgesia electrodes (monkeys)
 RO1MH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)
 RO1NS-11529-01 Spinoreticular mechanism in pain sensation (cats, macaque)

SENSORY DEPRESSION, ANESTHESIA (GENERAL)

SEE ALSO DISEASES, COMPLICATIONS, ANESTHESIA RELATED
 SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANESTHETICS
 SEE ALSO TEMPERATURE (BODY), HYPOTHERMIA INDUCED
 RO1AM-01447-19 Neuroendocrine and thyroid physiology (rats)

- PO1AM-06704-12 0003 Neural and humoral control of endocrine function - Regulation of ACTH secretion by brain catecholamines (rats, dogs)
 RO1AM-15660-03 Renal control of the excretion of urea (rats, gerbils)
 RO1DA-00124-03 Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats)
 RO1DE-03485-03 Cerebral responses to tooth pulp stimulation in man
 RO1EY-00231-10 Comparative study of glaucoma (human, monkeys)
 RO1EY-00956-03 Tilt effects on orientation selectivity of visual cells (cats)
 PO1EY-01319-01 0005 Visual science research center support - Mesencephalic influence on lateral geniculate nucleus (primates)
 ** PO1GM-09069-12 0075 Research in anesthesiology - Distribution of cardiac output during anesthesia and induced hypertension (dogs)
 PO1GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
 M PO1GM-15430-07 Research in anesthesia
 ** PO1GM-15430-07 0001 Research in anesthesia - Effects of anesthetics on the CNS (cats, human)
 ** PO1GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
 ** PO1GM-15430-07 0008 Research in anesthesia - Calcium studies (human)
 ** PO1GM-15430-07 0016 Research in anesthesia - Cerebral blood flow (human, goats)
 ** PO1GM-15430-07 0023 Research in anesthesia - NAHC03 and myocardial performance during anesthesia (human)
 M PO1GM-15571-06 Anesthesia research-Program project
 PO1GM-15571-06 0074 Anesthesia research-Program project - Obstetrical anesthesia-Data collection
 PO1GM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
 PO1GM-15571-06 0076 Anesthesia research-Program project - Obstetrical anesthesia-Methoxyflurane analgesia and renal toxicity (human)
 ** PO1GM-15904-07 0003 Anesthesiology center for research and teaching - Molecular interactions of anesthetics (mice, newts)
 ** PO1GM-15904-07 0010 Anesthesiology center for research and teaching - Obstetrical anesthesia and perinatal care (child)

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**Oriented significantly to above subject.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01GM-15904-07 0011 Anesthesiology center for research and teaching - Obstetric anesthesia and perinatal morbidity and mortality (human)
- ** P01GM-15904-07 0018 Anesthesiology center for research and teaching - Anesthesia and lung chemistry
- ** P01GM-15904-07 0023 Anesthesiology center for research and teaching - Anesthesia center
- ** P01GM-15904-07 0032 Anesthesiology center for research and teaching - Anesthesia and shock (mice)
- M P01GM-15991-06 Anesthesia research center
- P01GM-15991-06 0007 Anesthesia research center - Tidal volumes in acute pulmonary edema (dogs)
- P01GM-15991-06 0050 Anesthesia research center - Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice)
- ** P01GM-15991-06 0095 Anesthesia research center - Anesthesia and anesthetic agents and phagocytosis and antigen processing (human)
- ** P01GM-15991-06 0096 Anesthesia research center - Effect of anesthesia and anesthetic agents on human lymphocyte transformation
- ** P01GM-15991-06 0097 Anesthesia research center - Effect of anesthesia on cytotoxic activity of lymphoid cells against tumor (mice)
- P01GM-15991-06 0099 Anesthesia research center - Anatomic pulmonary shunts and vessel size in disorders of gas exchange
- ** P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- M P01GM-19599-02 Surveillance and predictive diagnosis in surgical patients
- ** P01GM-19599-02 0001 Surveillance and predictive diagnosis in surgical patients - Pulmonary function-Shunt and dead space (human, dogs)
- P01GM-19599-02 0002 Surveillance and predictive diagnosis in surgical patients - Work of breathing team (dogs, human)
- P01GM-19599-02 0003 Surveillance and predictive diagnosis in surgical patients - Pulmonary gas trapping (dogs)
- ** P01GM-19599-02 0005 Surveillance and predictive diagnosis in surgical patients - Cardiac function (human)
- ** P01GM-19599-02 0007 Surveillance and predictive diagnosis in surgical patients - Neuromuscular junction studies (human, cats)
- P01GM-19599-02 0008 Surveillance and predictive diagnosis in surgical patients - Central nervous system-Clinical (human, cats)
- R01GM-20621-02 Hypno-and acupuncture analgesia-Physiological study (human)
- ** R01HL-03181-17 0018 Hemodynamics as applied to surgical problems - Effects of anesthesia on mesenteric blood flow after hemorrhage (dogs)
- ** R01HL-04881-15 Gas exchange during anesthesia and thoracic surgery (human, dogs)
- P01HL-07762-12 0001 Cardiovascular control by neural and chemical systems - Experimental hemodynamics (dogs)
- M P01HL-07896-13 Environmental biomedical research program
- R01HL-08789-08 Respiratory muscles and ventilatory mechanics in man
- ** R01HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
- R01HL-10202-08 Computer analysis of ECG waveforms in surgery (human)
- R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
- ** R01HL-12090-07 Alveolar ventilation in anesthetized man
- P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- ** P17HL-14169-04 0005 Pulmonary disease center - Anesthesia and acute respiratory care (human, dogs)
- ** P17HL-14201-04 0018 Pulmonary disease research center - Regulation of respiration of anesthetized patients with COPD
- P17HL-14217-04 0028 Specialized center of research in thrombosis - Static flow zone in internal carotid bulb (dogs)
- P17HL-14217-04 0029 Specialized center of research in thrombosis - Microcirculation (bats)
- R01HL-14436-03 Pulmonary oxygen toxicity (human, rabbits)
- R01HL-14529-03 Systems analysis of baroreflex (dogs)
- R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
- R01HL-14808-02 Microcirculation in sickle cell anemia (rats)
- ** P18HL-15160-03 0001 Comprehensive sickle cell disease center - Sickle cell disease and anesthetic experience (human)
- R01HL-15247-02 Extending the life of implanted pacemakers (dogs)
- R01HL-15416-02 Cardiovascular control in normal and disease states (dogs)
- R01HL-15522-02 Influence of mannitol on ischemic cardiac muscle (dogs, cats)
- R01HL-17723-01 Studies of pathophysiology of vasopressin in man
- ** R18NS-01390-01 Laser mediated telemedicine anesthesia
- R01NH-05286-12 0003 Psychophysiology of perception - Origin of early auditory evoked potentials in man
- P01NS-02808-13 0022 Special clinical research project in neurophysiology - Metabolic changes in epileptogenic tissues in interictal and ictal states (human)
- ** R01NS-07507-07 Cerebral metabolism and blood flow during anesthesia (dogs, primates)
- R01NS-07730-06 Physiology of CNS afferent pathways (cats)
- ** R01NS-08528-06 Brain metabolism and systemic disease (rats, mice)
- R01NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)
- R01NS-09472-04 Response of dorsal column nuclei to natural inputs (cats)
- ** R01NS-09871-03 Anesthesia and the nervous system (cats)
- ** P01NS-09889-04 0011 Investigation of agents which damage the ear - Anesthesia effects on nerve activity (guinea pig)
- R01NS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
- ** R01NS-10393-03 General anesthetics and sympathetic ganglia
- R01NS-10488-02 Cerebellar neuronal activity and motor behavior (cats)
- ** R01NS-10541-03 Biochemistry of lipids of brain and other tissues (rats)
- R01NS-11205-01 Barbiturate complexation with mitochondrial coenzymes
- ** M01RR-00585-03 0018 General clinical research center - Alveolar ventilation in anesthetized man
- ** M01RR-00645-03 0048 Clinical research center - Effects of induced hypotension on peripheral circulation (human)
- P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory
- SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION**
- ** P01GM-09069-12 0085 Research in anesthesiology - Pulmonary uptake of anesthetics in infants and children (human)
- ** P01GM-15571-06 0072 Anesthesia research-Program project - Comparative pharmacology of inhaled anesthetics
- P01GM-15991-06 0095 Anesthesia research center - Anesthesia and anesthetic agents and phagocytosis and antigen processing (human)
- P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
- P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- ** R02NU-00437-03 Endotracheal cuff management (dogs)
- SENSORY DEPRESSION, ANESTHESIA CONDUCTION**
- M P01GM-15991-06 Anesthesia research center
- P01GM-15991-06 0086 Anesthesia research center - Regional anesthesia in managing abnormal uterine contraction (human)
- P01GM-15991-06 0093 Anesthesia research center - Disposition of local anesthetics-Relationship to pathophysiological status
- P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
- ** P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- ** P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- SENSORY DEPRESSION, ANESTHESIA CONDUCTION, AUTONOMIC BLOCK**
- ** P01HL-06312-13 0027 Surgical cardiology - Regional blockade to attain temporary cardiac denervation (dogs)
- SENSORY DEPRESSION, ANESTHESIA CONDUCTION, AUTONOMIC BLOCK, ADRENERGIC**
- P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- SENSORY DEPRESSION, ANESTHESIA CONDUCTION, EPIDURAL**
- ** P01GM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
- P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- SENSORY DEPRESSION, ANESTHESIA CONDUCTION, LOCAL**
- P01GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)
- P01GM-15991-06 0107 Anesthesia research center - Regional anesthesia and trauma (cats, monkeys, human)
- R23HL-17107-01 Role of pulmonary receptors in respiratory control (cats, dogs)
- SENSORY DEPRESSION, ANESTHESIA CONDUCTION, SPINAL**
- P01GM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
- ** P01GM-15991-06 0100 Anesthesia research center - General anesthetics-Central targets (cats, monkeys)
- R01NS-10647-01 Studies of spinal response plasticity (cat)
- P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory
- SENSORY DEPRESSION, ANESTHESIA OBSTETRICAL**
- ** P01GM-15571-06 0074 Anesthesia research-Program project - Obstetrical anesthesia-Data collection
- ** P01GM-15571-06 0075 Anesthesia research-Program project - Obstetrical anesthesia-Epidural anesthesia for elective cesarean section (human)
- ** P01GM-15571-06 0076 Anesthesia research-Program project - Obstetrical anesthesia-Methoxyflurane analgesia and renal toxicity (human)
- ** P01GM-15571-06 0077 Anesthesia research-Program project - Obstetrical anesthesia-Ketamine (human)
- ** P01GM-15571-06 0078 Anesthesia research-Program project - Obstetrical anesthesia-Studies in pregnant sheep
- M P01GM-15991-06 Anesthesia research center
- ** P01GM-15991-06 0086 Anesthesia research center - Regional anesthesia in managing abnormal uterine contraction (human)
- ** P01GM-15991-06 0101 Anesthesia research center - Response to labor, delivery and anesthesia in high risk pregnancies (human)
- ** P01GM-15991-06 0102 Anesthesia research center - Placental transfer of local anesthetics (monkeys)
- ** M01RR-00210-10 0044 General clinical research center - Maternal-child - An anesthetic agent in labor and delivery
- SENSORY DEPRESSION, ELECTRONARCOSIS**
- SEE ALSO PSYCHIATRIC SOMATIC THERAPY, SHOCK THERAPY, ELECTRICAL
- SEE ALSO SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA
- M P01HL-07896-13 Environmental biomedical research program
- SENSORY DEPRIVATION**
- R01DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
- P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
- ** R01DE-02815-06 Dental-oral physiology-Speech sensory processes (human)
- R01EY-00053-05 Neural mechanisms of vision (squid, rabbits, cats)
- R01EY-00125-05 Superior colliculus and the control of eye movements (monkeys, cats)
- R01EY-00204-15 Etiology of reduced visual function (human, animals)
- ** R01EY-00376-07 Effect of visual deprivation on vision (rats, cats)
- ** R01EY-00573-12 Vision in special environments-Developmental effects (monkeys, cats, rats)
- R01EY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
- R01EY-00605-15 Organization of visual system (cats, monkeys)
- ** R01EY-00606-10 Visual system (cats, monkeys)
- R01EY-00676-04 Interaction between eye movement and vision (monkeys)
- R01EY-00691-14 Neurology of learning and vision (cats, rabbits, rats)
- R01EY-00811-03 Anatomy of the visual system (animals)
- R01EY-00956-03 Tilt effects on orientation selectivity of visual cells (cats)
- R01EY-01086-02 Structure and development of visual cortex (primates)
- R01EY-01120-02 Clinical and laboratory studies of amblyopia (monkeys)
- ** R01EY-01175-02 Partial visual deprivation in humans (cats)
- R01EY-01191-02 0006 Vision and visuomotor mechanisms - Development of coordination in infant monkey
- R01EY-01208-01 Development of primate retina and visual thalamus (primates)
- ** R01EY-01255-01 Quantitative anatomical studies of visual deprivation (monkeys, mice)
- R01EY-01286-01 Physiology of visual afferent pathways (monkeys)
- P01EY-01319-01 0007 Visual science research center support - Development in the visual system (mammals)
- R01EY-01331-01 Development studies of the visual system (cats)
- R01HD-00348-13 Behavioral effects of selected denervation (cats)
- P01HD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)

(cont'd)

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- RO1HD-06367-03 Psychosocial development
 RO1MH-04202-14 Conditioning and training experiments (ducks, chicks, dogs)
 RO1MH-04453-14 Early experience and behavior (birds, goats, deer, lemurs)
 ** RO1MH-16929-06 The developmental effects of early maternal separation (rats)
 ** R12MH-21191-03 Developmental consequence of extreme social isolation (human)
 RO1MH-24344-01 Sensory processing and adaptive behavior (cats)
 RO1MH-25329-01 Neuropsychology of visual recognition and perception (cats, monkeys)
 RO1NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
 RO1NS-05982-09 Development of afferent neural centers (opossum)
 RO1NS-06662-08 Architectonic and synaptic organization in the brain (animals)
 ** PO1NS-06828-08 0026 Neurophysiology-Sensory systems and cerebral cortex - Loss of function, remaining capacity of cortical area of parietal lobe (monkey)
 PO1NS-06828-08 0029 Neurophysiology-Sensory systems and cerebral cortex - Central nervous mechanism in pain (monkeys)
 RO1NS-07870-07 Genetic and post-natal effects on brain development (rats, cats)
 RO1NS-07872-08 Biochemical studies of synapse membrane (rats, chickens)
 RO1NS-08554-06 Functions of the pineal complex (chickens, lizards)
 ** RO1NS-09603-04 The biochemical effects of sensory deprivation (chicks)
 RO1NS-09940-03 Responses to suprathreshold vibratory stimulation (human)
 ** RO1NS-10825-01 Growth of identified neurons-Effect of deprivation
 ** RO1NS-11565-01 Disuse supersensitivity of the auditory system (human, mice)
 ** PO1NS-11647-01 0003 Peripheral and central auditory mechanisms - Effects of sound deprivation on the maturation of the auditory system (mice)
- SENSORY DISORDERS**
 SEE SENSORY-PERCEPTUAL DISORDERS, SENSORY DISORDERS
- SENSORY FEEDBACK**
 SEE ALSO EAR, HEARING, AUDITORY FEEDBACK
 SEE ALSO EYE, VISUAL FEEDBACK
 RO1AA-00251-04 Alcohol effects on driving, perception and attention
 P15AI-10398-04 Allergy disease center (human)
 PO1AM-16716-01 0006 Pathophysiological bases of muscle diseases - Sensory input and motor activity (cats)
 RO1AM-17171-01 Control mechanisms of pathological feeding behaviors (rats)
 P13DE-02600-08 0032 Planning of a research center in oral biology - Distorted feedback on work output in chronic pain patients
 P13DE-02600-08 0033 Planning of a research center in oral biology - Relaxation vs relaxation tension training (human)
 ** RO1DE-02815-06 Dental-oral physiology-Speech sensory processes (human)
 ** RO1GM-21430-01 Electrocutaneous feedback for artificial limbs (human)
 PO1HD-01136-10 0013 Center for research in human learning - Speech generation (children)
 RO1HD-04756-04 infant auditory perception and learning (human)
 RO1HL-15004-02 Baroreceptor regulation in cardiovascular disease (dogs)
 ** RO1MH-03372-15 0028 Neural mechanisms in behavior - Movement planning and weight comparisons (human)
 RO1MH-03916-15 Perceptual factors in emotional conditioning (human)
 RO1MH-16100-06 Feedback process in punishment and reward (human, monkeys)
 RO1MH-16598-06 Neuroembryology of behavior (birds, opossum)
 ** RO1MH-16954-04 Effects of somatosensory deafferentation (monkeys, opossum)
 RO1MH-20258-03 Modification of deviant behavior
 ** RO1MH-20257-03 Mechanisms of voluntary action and voluntary attention (human)
 RO1MH-26073-01 Elementary information processing (human)
 ** RO1NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
 PO1NS-04513-11 0005 Coordinated basic and clinical brain research program - Mechanisms in grand mal epilepsy (human)
 ** PO1NS-06459-09 0055 Communication sciences - Control of articulation and phonation during speech (human)
 ** PO1NS-06828-08 0028 Neurophysiology-Sensory systems and cerebral cortex - Afferent input evoked by a noxious stimulus (monkeys)
 RO1NS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)
 RO1NS-09279-03 Acquisition of visual-motor capacities (cats, human)
- RO1NS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
 RO1NS-09474-04 Integrative mechanisms in ganglia (decapods)
 ** RO1NS-09940-03 Responses to suprathreshold vibratory stimulation (human)
 ** RO1NS-10464-03 Role of central feedback mechanisms in skilled acts (monkeys)
 ** RO1NS-11798-01 Cerebellar correlates of motor performance (cats)
- SENSORY MECHANISMS (GENERAL)**
 SEE SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
- SENSORY NERVES**
 SEE NERVOUS SYSTEM, AFFERENT NERVES
- SENSORY NEUROPATHY**
 SEE NERVOUS DISORDERS PERIPHERAL, SENSORY NEUROPATHY
- SENSORY-PERCEPTUAL DISORDERS, HALLUCINATIONS**
 SEE ALSO PSYCHOLOGY, IMAGINATION, FANTASY
 ** RO1AA-00311-03 0013 Metabolic and psychological factors in alcoholism - REM changes and hallucinations in relation to extracellular potentials (human)
 NO1DA-04179-00 Synthesis of stimulants, depressants and hallucinogens subject to abuse
- SENSORY-PERCEPTUAL DISORDERS, OLFACTORY**
 ** PO1DE-02872-05 0031 Craniofacial anomalies - Oral sensation and perception in patients with orofacial malformations
 ** MO1RR-00722-02 0032 General Clinical Research Center - Studies of special senses (human)
- SENSORY-PERCEPTUAL DISORDERS, OLFACTORY, ANOSMIA**
 SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, KALLMAN'S SYNDROME
 MO1RR-00722-02 0032 General Clinical Research Center - Studies of special senses (human)
 ** MO1RR-00749-02 0020 General clinical research center - Kallman's syndrome or hypogonadotropic eunuchoidism with anosmia (human)
- SENSORY-PERCEPTUAL DISORDERS, PARESTHESIA**
 RO1NS-11921-01 Somatosensory systems-Central pain (macaques)
- SENSORY-PERCEPTUAL DISORDERS, PERCEPTUAL DISORDERS**
 SEE ALSO INFORMATION-COMMUNICATION DISORDERS
 SEE ALSO SENSORY-PERCEPTUAL DISORDERS, HALLUCINATIONS
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PERCEPTUAL DISTORTION
 PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
 PO1HD-03110-07 0034 Child development and mental retardation - Child psychiatry research
 PO1HD-03110-07 0037 Child development and mental retardation - Mental retardation
 ** PO1HD-03352-07 0017 Wisconsin center on mental retardation - Infant development (human)
 PO1HD-06276-03 0010 Mental retardation research program - Classification and epidemiology of school problem syndromes
 ** PO1HD-06276-03 0011 Mental retardation research program - Classification and epidemiology of learning disorders and hyperkinesia
 ** PO1HD-06276-03 0019 Mental retardation research program - Temporal organization of voluntary behavior (children)
 ** RO1HD-07075-01 0004 Reading, crossmodal transfer and stimulus control - Letter and word reversals in reading and writing (children)
 RO1MH-18055-05 Telemetered EEG, behavior and mental state (human, monkeys)
 RO1MH-25855-01 Proprioception and cognitive disorders in schizophrenia
 RO1NS-00616-20 (human)
 RO1NS-07615-14 New measures of aphasic symptom variables (human)
 RO1NS-10575-01 Neuropsychological study of children with brain damage
 M RO1NS-10577-02 Normal and pathological human brain function
 PO1NS-11601-01 Special clinical center for communications research (children)
 ** NO1NS-12281-08 Diagnosis and treatment of hearing loss in infants
- SENSORY-PERCEPTUAL DISORDERS, SENSORY DISORDERS**
 SEE ALSO EAR DISORDERS
 SEE ALSO EYE DISORDERS
 SEE ALSO NERVOUS DISORDERS PERIPHERAL, SENSORY NEUROPATHY
- SEE ALSO SENSORY-PERCEPTUAL DISORDERS, OLFACTORY
 SEE ALSO SENSORY-PERCEPTUAL DISORDERS, PARESTHESIA
 SEE ALSO SENSORY-PERCEPTUAL DISORDERS, TASTE DISORDERS
 RO1AA-00187-03 Memory impairment of alcoholic Korsakoff patients
 RO1DA-00033-06 Effects of marijuana on perception and cognition (human)
 ** RO1HD-02296-09 Sensory evoked EEG and behavioral responses in children (human)
 ** PO1HD-03352-07 0017 Wisconsin center on mental retardation - Infant development (human)
 PO1HD-06276-03 0019 Mental retardation research program - Temporal organization of voluntary behavior (children)
 PO1HD-06276-03 0031 Mental retardation research program - The phenomenon of unrelatedness (children)
 ** RO1HL-14888-02 Behavioral deficits in post-cardiac surgery patients
 RO1NS-00616-20 Performance deficits in cerebral disease (human)
 ** RO1NS-05715-09 Neurological mechanisms of sensory deficit (monkeys)
 RO1NS-08208-09 Laterality of sensory and motor functions (children and adults)
 PO1NS-08711-04 0011 Fundamental studies relating to multiple sclerosis - Electrophysiology (human)
 M RO1NS-10236-03 Functional skill remediation in brain damage
 RO1NS-10236-03 0002 Functional skill remediation in brain damage - Remediation of untreated impairments (human)
 RO1NS-10575-01 Neuropsychological study of children with brain damage
 RO1OH-00327-06 Carbon monoxide and human information processing
- SENSORY-PERCEPTUAL DISORDERS, TASTE DISORDERS**
 ** PO1DE-02872-05 0031 Craniofacial anomalies - Oral sensation and perception in patients with orofacial malformations
 RO1DE-03764-01 Atypical facial pain and disturbed oral sensation (human)
 ** RO3MH-22608-01 Mouth fluid environment and taste preference (rats)
 ** MO1RR-00051-13 0160 General clinical research center - Taste studies in renal patients
 MO1RR-00107-11 0046 General clinical research center - Oral sensation disorders (human, rats)
 ** MO1RR-00722-02 0032 General Clinical Research Center - Studies of special senses (human)
- SENSORY-PERCEPTUAL PROCESSES, BODY IMAGE**
 PO1DE-01899-12 0004 Habituation of the cleft palate individual - Psychological studies (children, parents)
 RO1HD-03719-10 Metabolic and behavioral studies of human obesity
 RO1MH-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
 ** RO1MH-18135-04 Self-image and family dynamics in transplantation (human)
- SENSORY-PERCEPTUAL PROCESSES, DEPTH PERCEPTION**
 SEE ALSO EYE, VISION, DEPTH PERCEPTION VISUAL
 ** RO1EY-00383-12 Effects of illumination on binocular space perception (human)
 RO1EY-00590-11 Suppression mechanism in binocular rivalry (human)
 RO1EY-00680-03 Vision-Spatial, temporal and adapting effects (cats, human, monkeys)
 ** RO1EY-00742-03 Studies of binocular vision (human, cats)
 RO1EY-00752-03 Stereopsis and microtropia in amblyopia pathogenesis (human)
 PO1HD-01136-10 0003 Center for research in human learning - Perception (children)
 PO1HD-05027-05 0008 Developmental psychology - Attention-perception
 RO1HD-05848-03 Childrens spatial visualization
 RO1MH-15651-07 Applications of the adjacency principle (human)
 RO1MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
 RO1NS-00616-20 Performance tests in cerebral disease (human)
 ** PO1NS-03627-12 0001 Cerebral and related systems - Human vision
- SENSORY-PERCEPTUAL PROCESSES, DISCRIMINATION**
 RO1DA-00355-02 Marijuana and behavior-Long-term interactions (rats, monkeys)
 NO1DA-10015-02 Long-term effects of marijuana in chimpanzees
 RO1ES-00592-03 Odor psychophysics-Intensity, adaptation and masking (human)
 RO1EY-00680-03 Vision-Spatial, temporal and adapting effects (cats, human, monkeys)
 RO1EY-00735-04 Behavioral analysis of visual system evolution (pigeons)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1EY-00913-02 McCollough effect—Color vision and shape perception (human)
- RO1EY-01191-02 0003 Vision and visuomotor mechanisms - Multiple modes of processing visual stimuli (human)
- PO1HD-00870-11 0014 Communication research with retarded children - Programmed instruction for discrimination of spatial relations
- RO1HD-00930-11 Acquisition of stimulus control (ducks, rats, pigeons)
- RO1HD-00941-10 Determinants of amount of reinforcement (rats, guinea pigs, cats)
- PO1HD-00973-11 0074 Research program on retarded intellectual development - Intrinsic motivation in infancy—Perceptual analysis
- ** RO1HD-03911-12 Sensory discrimination and learning in human infants
- RO1HD-05902-04 Aging in monkeys
- RO1HD-05958-03 0006 Neuropsychology and neuropsychology in mental retardation - Human and animal vigilance
- RO1HD-06367-03 Psychosocial development
- RO1HD-06572-02 The prediction and elicitation of maternal behavior (mice)
- RO1HD-06730-02 Beginning and fluent reading
- RO1HD-06781-03 Taste sensitivity in the human infant
- RO1HD-07232-02 Developmental studies of short-term memory (human)
- RO1HD-07307-02 The development of space perception in children
- RO1HD-07372-01 Perceptual-cognitive development in human infants
- RO1MH-01206-18 Behavior without awareness (human)
- RO1MH-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
- RO1MH-03372-15 0028 Neural mechanisms in behavior - Movement planning and weight comparisons (human)
- ** RO1MH-03372-15 0037 Neural mechanisms in behavior - Relationship of handedness to minor hemisphere function (human)
- ** RO1MH-03372-15 0040 Neural mechanisms in behavior - Thermoregulatory incentive in visual discrimination (chicks)
- RO1MH-04726-14 Functions of association cortex in learning (cats, monkeys)
- ** RO1MH-05286-12 0006 Psychophysiology of perception - Relation between long-latency AERS and perceptual discrimination
- RO1MH-05286-12 0008 Psychophysiology of perception - Topographic analysis of amplitude fluctuations in late sensory
- RO1MH-07809-11 A quantitative analysis of judgment (human)
- RO1MH-08853-10 Instrumental properties of human autonomic functions
- ** PO1MH-12568-08 0002 Neuropsychopharmacological studies of attention - Animal development—Monkeys
- RO1MH-14229-08 Perception of structure (human)
- RO1MH-15828-06 0002 Research in human information processing - Mental processes for solving visual problems
- RO1MH-16270-07 Sensory information processing (human)
- RO1MH-16853-05 Composite-stimulus control in multielement schedules (rats)
- RO1MH-19006-04 Models of memory and time processes
- RO1MH-20723-03 Human perceptual and short-term memory processing
- RO1MH-21105-03 Recognition of spatial and temporal visual patterns (human)
- RO1MH-22296-02 Variables influencing pain produced by electric shock (human)
- RO1MH-23556-02 Infant physiological and behavioral fear expression (human, cats)
- RO1MH-23607-02 Experimental masochism and allied phenomena (rats)
- RO1MH-24016-01 An experimental approach to a form perception theory (human)
- RO3MH-24951-01 Effects of spinal cord lesions sparing dorsal columns (cats)
- RO1MH-25855-01 Proprioception and cognitive disorders in schizophrenia
- RO1MH-26073-01 Elementary information processing (human)
- RO1NS-00616-20 Performance tests in cerebral disease (human)
- PO1NS-03798-12 0002 The nature of hearing - Echolocation and behavior in bats
- ** RO1NS-05715-09 Neurological mechanisms of sensory deficit (monkeys)
- RO1NS-07609-07 Integrative mechanisms of cortical neurons (rabbits, frogs)
- ** RO1NS-09279-03 Acquisition of visual-motor capacities (cats, human)
- RO1NS-09472-04 Response of dorsal column nuclei to natural inputs (cats)
- RO1NS-10094-03 Mirror-image and hemispheric specialization (children, adults)
- ** RO1NS-10140-03 Olfactory discrimination (rats)
- RO1NS-10575-01 Neuropsychological study of children with brain damage
- RO1NS-10577-02 0002 Normal and pathological human brain function - Memory aid on hypothesis behavior and focusing in Huntington's chorea (human)
- ** RO1NS-10577-02 0004 Normal and pathological human brain function - Recovery of function after serial removal of visual association cortex (monkeys)
- RO1NS-10577-02 0009 Normal and pathological human brain function - Short and long-term memory in brain disorders
- ** RO1NS-11138-02 0004 Chemical mechanism in corpus striatum and behavior - Visual pattern discrimination and striatal functions (rats)
- RO1NS-11276-01 Electromagnetic field orientation (marine fish)
- PO1NS-11601-01 Special clinical center for communications research (children)
- RO1NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)

SENSORY-PERCEPTUAL PROCESSES, FORM AND PATTERN PERCEPTION

SEE ALSO EYE, VISION, FORM AND PATTERN PERCEPTION VISUAL

RO1AA-00246-05 Alcohol and perceptual cognitive behavior (human)

PO1DE-02872-05 0031 Craniofacial anomalies - Oral sensation and perception in patients with orofacial malformations

RO1EY-00220-13 Retinal and central visual function (human)

** RO1EY-00577-10 Visual behavior—Anatomical and functional basis (cats)

RO1EY-00597-05 Spatial selectivity in non-striate visual cortices (primates, cats)

** RO1EY-00913-02 McCollough effect—Color vision and shape perception (human)

PO1HD-01136-10 0003 Center for research in human learning - Perception (children)

PO1HD-05027-05 0017 Developmental psychology - Infant perception

RO1HD-05848-03 Childrens spatial visualization

** RO1HD-06002-03 Age and the processing of successive visual stimuli

RO1HD-06429-02 Infant visual recognition memory

** RO1HD-07163-02 Visual-auditory equivalence in pattern perception (children, adults)

** RO1HD-08242-01 Early development of human pattern perception

** PO1HL-08886-11 0036 Radiology-physiology cardiovascular research - Visual search patterns and experience with radiological images (human)

** RO1MH-03372-15 0036 Neural mechanisms in behavior - Perceptual organization of DOT patterns in commissurotomed man

** RO1MH-03372-15 0037 Neural mechanisms in behavior - Relationship of handedness to minor hemisphere function (human)

RO1MH-06211-12 Postoperative recovery mechanisms and retention (rats)

RO1MH-07722-10 Research on information processing psychology (human)

RO1MH-10753-09 Antecedents of perceptual selectivity (children, adults)

RO1MH-15707-07 Perception and behavior (reptiles)

RO1MH-16270-07 Sensory information processing (human)

RO1MH-16726-05 Production and perception of connected speech

RO1MH-16817-05 Cognitive hierarchies

** RO1MH-20723-03 Human perceptual and short-term memory processing

RO1MH-21105-03 Recognition of spatial and temporal visual patterns (human)

PO1MH-23878-06 0029 Cognitive processes and mathematical psychology - Short term memory for consonant order

** RO1MH-24016-01 An experimental approach to a form perception theory (human)

RO3MH-24728-01 Visual spatial frequency channels in primate cortex

** RO1MH-25329-01 Neuropsychology of visual recognition and perception (cats, monkeys)

RO1MH-26073-01 Elementary information processing (human)

** PO1NS-03627-12 0001 Cerebral and related systems - Human vision

RO1NS-07870-07 Genetic and post-natal effects on brain development (rats, cats)

RO1NS-09279-03 Acquisition of visual-motor capacities (cats, human)

** RO1NS-09783-04 Parameters of cutaneous coding and pattern perception (human)

** RO1NS-11138-02 0004 Chemical mechanism in corpus striatum and behavior - Visual pattern discrimination and striatal functions (rats)

** RO1NS-12045-01 Pitch perception as auditory pattern recognition

SENSORY-PERCEPTUAL PROCESSES, IMAGERY

RO1EY-00206-13 Retinal ganglion cell responses to time varying stimuli (cats)

RO1FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)

PO1GM-15991-06 0092 Anesthesia research center - Chronic pain—Behavioral perspective and steps toward a psychotherapy (human)

PO1HD-01136-10 0006 Center for research in human learning - Verbal learning and memory (children)

RO1HD-03869-06 Elaborative learning process in adolescence

RO1HD-05848-03 Childrens spatial visualization

** RO1HD-07037-02 Electrophysiology of eidetic imagery in children (human)

RO1MH-03831-15 Auditory electrophysiology and behavior (cats, human)

** PO1MH-05519-13 0023 Psychosomatic clinical research center - Effects of affective imagery on paired-associate learning of schizophrenics

PO1MH-08618-10 0046 Biological studies of psychotic disorders - Effects of subclinical doses of mescaline (human)

RO1MH-13950-07 Effect of memory aids on learning and retention

** RO1MH-15828-06 0006 Research in human information processing - Visual imagery and motor functioning

RO1MH-19223-05 Reasoning and cognition (children, adults)

RO1MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)

RO1MH-20552-03 Personality and EEG correlates of hypnotic susceptibility

RO3MH-22532-01 Voluntary control of respiratory resistance (human)

** RO3MH-23399-01 Covert modeling and therapeutic change (human)

RO1MH-23505-03 The acquisition of linguistic structure (human)

RO1MH-24103-02 Selective attention and encoding from iconic storage (human)

RO1MH-24194-01 Symbol formation through toys, pictures and words

RO1MH-25218-01 Spatial reasoning in problem solving

RO1MH-25845-01 Sleep mentation and functional hemispheric asymmetry

RO3MH-25876-01 Hypnmesia—Induction and cognitive control

RO3MH-25924-01 Early child cognition—Visual versus verbal memory

RO3MH-26156-01 Remediation of memory disorder

SENSORY-PERCEPTUAL PROCESSES, IMAGERY, EIDETIC

RO1MH-10753-09 Antecedents of perceptual selectivity (children, adults)

SENSORY-PERCEPTUAL PROCESSES, MOTION PERCEPTION

SEE ALSO EYE, VISION, MOVEMENT PERCEPTION

RO1EY-00680-03 Vision—Spatial, temporal and adapting effects (cats, human, monkeys)

** RO1EY-00979-02 Motion parallax in simulated retinal projections (human)

** RO1EY-01135-01 Perception during pursuit eye movements (human)

RO1EY-01191-02 0001 Vision and visuomotor mechanisms - Development of visual acuity of young children

RO1EY-01191-02 0004 Vision and visuomotor mechanisms - Mechanisms of orientation explored by moving visual scenes

** RO1EY-01241-01 Neuropsychology (cats)

RO1HD-05848-03 Childrens spatial visualization

RO1MH-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)

RO1MH-02456-16 Comparative psychophysics and stimulus control (pigeons)

RO1MH-08061-11 Analytic studies of visual perception (human)

** RO1MH-15651-07 Applications of the adjacency principle (human)

RO1MH-15707-07 Perception and behavior (reptiles)

** RO1MH-20449-03 Spatial representation

RO1MH-21105-03 Recognition of spatial and temporal visual patterns (human)

PO1NS-03627-12 0009 Cerebral and related systems - Insect nervous system studies (fly, honeybee)

PO1NS-09823-04 0003 Communicative disorders clinical research center - Vestibular receptor physiology (guinea pigs)

SENSORY-PERCEPTUAL PROCESSES, OLFACTORY

SEE ALSO BRAIN, HYPOTHALAMUS, MAMMILLARY BODIES

SEE ALSO NASAL, NOSE

SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, OLFACTORY NERVE

** RO1AM-13252-05 Role of nutrition in regulation of food intake (rats)

RO1AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)

PO1DE-03568-01 0002 Craniofacial anomalies—etiology and treatment - Hypoplasia of the midface

PI0ES-00002-12 0013 Occupational and environmental health - Uptake of gases by the human nose

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** R01ES-00592-03 Odor psychophysics-Intensity, adaptation and masking (human)
 R01HD-00348-13 Behavioral effects of selected denervation (cats)
 P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 P01HD-05969-03 0012 Events that control fertilization - Dependence of sexual behavior on gonadal steroids (Lamur catia)
 R01HD-06572-02 The prediction and elicitation of maternal behavior (mice)
 ** R01HD-06853-02 Gustator and olfactory quality changes with age (human)
 ** R01HD-07454-02 Human sexual behavior and an olfactory pheromone
 R01MH-07923-11 Neurobehavioral plasticity in a simple cortical system (rats, rabbits, hamsters)
 ** R01MH-13581-06 Olfaction in behavioral functions of limbic system (rats)
 R01MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
 R01MH-15707-07 Perception and behavior (reptiles)
 R01MH-16929-06 The developmental effects of early maternal separation (rats)
 ** R01MH-19506-03 0009 Hormones, the brain and primate behavior - Male repellent pheromones
 ** R03MH-24619-01 Chemosensory mechanisms of behavioral modulation (lobsters)
 R03MH-25065-01 Social preferences (hamsters)
 P01NS-07468-07 Sensory biology research center
 ** R01NS-08814-05 Relation of neural responses to odor properties (turtles, frogs, birds, mammals)
 R01NS-08902-05 Mechanisms of olfactory communication (gerbils, hamsters)
 ** R01NS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
 ** R01NS-10140-03 Olfactory discrimination (rats)
 R01NS-10150-03 Neural systems of ingestive behavior (rats)
 ** R01NS-10617-01 Olfactory physiology (rabbit, opossum)
 R01NS-10972-02 Basal forebrain organization (rats, sharks)
 ** R01NS-11616-02 Study of olfaction in the rat
 R01NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
 ** R01NS-11667-01 Signal generating mechanisms in olfactory epithelium (frogs)
 ** R01NS-11668-01 The biological basis for olfactory behavior (pigeons)
 ** R01NS-11713-01 Functional studies of the vomeronasal system (snakes)

SENSORY-PERCEPTUAL PROCESSES, OLFACTORY STIMULI

R01AA-00498-03 0002 Clinical studies of alcohol use and abuse - Future oriented psychotherapy and olfactory aversive conditioning (human)
 P01HD-00973-11 0084 Research program on retarded intellectual development - Reptiles as models for endocrine dependent exposure learning
 R01MH-15707-07 Perception and behavior (reptiles)
 ** R01NS-08814-05 Relation of neural responses to odor properties (turtles, frogs, birds, mammals)
 R01NS-08902-05 Mechanisms of olfactory communication (gerbils, hamsters)
 R01NS-10617-01 Olfactory physiology (rabbit, opossum)
 R01NS-11667-01 Signal generating mechanisms in olfactory epithelium (frogs)

SENSORY-PERCEPTUAL PROCESSES, OLFACTORY THRESHOLD

** P01MH-08667-10 0008 A longitudinal epidemiology of impaired competence - Assessment problems in determining stimulus thresholds for the mentally retarded
 R01OH-00367-03 Respiratory tract irritants-Mechanisms and tolerance (mice, rabbits)

SENSORY-PERCEPTUAL PROCESSES, PAIN

SEE ALSO DENTAL PAIN
 SEE ALSO NEUROLOGIC DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
 SEE ALSO NEUROLOGIC MANIFESTATIONS, BACKACHE
 SEE ALSO NEUROLOGIC MANIFESTATIONS, HEADACHE
 SEE ALSO ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME
 SEE ALSO SENSORY DEPRESSION, ANALGESIA
 SEE ALSO SENSORY DEPRESSION, ANESTHESIA (GENERAL)
 P01CA-07368-11 0024 Interrelationships of normal and cancer cells - Convergence of somatic inputs on posterior thalamus (monkeys)
 ** P01CA-07368-11 0026 Interrelationships of normal and cancer cells - Relief of cancer pain by neurostimulus
 P01CA-08748-09 5619 Research program of Sloan-Kettering Institute - Potency of analgesics in cancer patients
 P01CA-08748-09 5635 Research program of Sloan-Kettering Institute - Analgesic potency of tiidine and morphine (human)
 P01CA-08748-09 5640 Research program of Sloan-Kettering Institute - Analgesic potency of oral SU-19713B and codeine (human)

P02CA-11911-04 0008 Clinical cancer center - Analgesics and narcotics in patients with advanced cancer
 P02CA-11911-04 0020 Clinical cancer center - Palliation of disseminated malignant melanoma
 P02CA-12247-03 0016 Pediatric oncology center - Psychotherapy research (human)
 R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)
 R01DE-02152-09 0012 Dental physiology and biophysics - Neurophysiology of the tooth
 ** R01DE-02152-09 0013 Dental physiology and biophysics - Response characteristics of pulp activated cortical cells (monkeys)
 ** R01DE-02152-09 0014 Dental physiology and biophysics - Analgesics and pulpal pain (mammals)
 ** R01DE-02152-09 0015 Dental physiology and biophysics - Cerebral cortex and elaboration of pain (mammals)
 R01DE-02152-09 0017 Dental physiology and biophysics - Sensory threshold to pressure stimulation of pulpal tissue
 R01DE-02152-09 0018 Dental physiology and biophysics - Human response to tooth thermal stimulation
 R01DE-02152-09 0021 Dental physiology and biophysics - Mechanisms of pulpal sensation in humans
 ** R01DE-02152-09 0022 Dental physiology and biophysics - Contribution of pulp to tooth percussion sensitivity (human)
 ** P13DE-02600-08 0031 Planning of a research center in oral biology - Axonal transport in the trigeminal nerve (rats)
 P13DE-02600-08 0032 Planning of a research center in oral biology - Distorted feedback on work output in chronic pain patients
 ** P13DE-02600-08 0033 Planning of a research center in oral biology - Relaxation vs relaxation tension training (human)
 R01DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)
 ** R01DE-03485-03 Cerebral responses to tooth pulp stimulation in man
 ** R23DE-03644-02 Neurophysiology of tooth pain (cats)
 P01ES-00354-07 0004 Human responses to thermal environment - Thermal psychophysics and human behavioral thermoregulation
 P01GM-15430-07 0008 Research in anesthesia - Calcium studies (human)
 ** P01GM-15904-07 0025 Anesthesiology center for research and teaching - Post-partum pain
 ** P01GM-15904-07 0026 Anesthesiology center for research and teaching - Pain and anxiety in children with burns
 ** P01GM-15904-07 0027 Anesthesiology center for research and teaching - Pain
 ** P01GM-15904-07 0028 Anesthesiology center for research and teaching - Electrical suppression of pain
 ** P01GM-15904-07 0029 Anesthesiology center for research and teaching - Pain tolerance
 ** P01GM-15904-07 0030 Anesthesiology center for research and teaching - Situational factors end pain
 M P01GM-15991-06 Anesthesia research center
 ** P01GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)
 ** P01GM-15991-06 0108 Anesthesia research center - Trigeminal nerve hyperactivity in relation to pain-like states (cats)
 ** R01GM-20621-02 Hypno-and acupuncture analgesia-Physiological study (human)
 P01GM-21054-01 0008 Human genetics center - New genetic syndromes
 R01MH-01475-16 Brain mechanisms in learning and response modulation (rats)
 M R01MH-03859-13 Developmental-interactive aspects of hypnosis
 R01MH-06564-12 Neuropharmacology of psychopharmacological agents (cats, rats, mice)
 ** R01MH-12970-08 0003 What makes man human-Trans-or subcortical association - Brain function parietal lobe (monkeys)
 R01MH-13049-09 Experimental studies of long-term stress (human, monkeys, rats)
 R01MH-13279-08 Neuroendocrine mechanisms in behavior (rats)
 ** R01MH-16841-06 0006 Effect of central nervous system lesions on drug action - Pain sensitivity and brain serotonin
 ** R01MH-16841-06 0007 Effect of central nervous system lesions on drug action - Serotonin content circadian rhythms and pain sensitivity
 ** R01MH-17009-05 Experimental investigations of pain (cats)
 R01MH-19156-04 The nature of hypnosis (human)
 ** R03MH-24951-01 Effects of spinal cord lesions sparing dorsal columns (cats)
 R01NS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
 P01NS-04053-12 0007 Epilepsy - Hyperactivity in spinal cord sensory system (cats)
 R01NS-05685-10 Comparative studies of somatic afferent projection (rats, cats, primates)
 ** P01NS-06828-08 0011 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of pain sensibility (monkeys, human)

** P01NS-06828-08 0028 Neurophysiology-Sensory systems and cerebral cortex - Afferent input evoked by a numbers stimulus (monkeys)
 ** P01NS-06828-08 0029 Neurophysiology-Sensory systems and cerebral cortex - Central nervous mechanism in pain (monkeys)
 P01NS-07468-07 Sensory biology research center
 P01NS-07938-06 0002 Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)
 R01NS-08470-06 Dynamic modeling of knee joint receptor activity (human)
 ** R01NS-09809-04 Temperature end pain in CNS (cats, monkeys)
 ** R01NS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
 ** R01NS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
 ** R01NS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
 ** R01NS-10814-01 Bulbar trigeminal pain mechanisms (monkey)
 ** R01NS-10922-01 Central mechanisms of visceral and somatic pain (cats)
 ** R01NS-11529-01 Spinoreticular mechanism in pain sensation (cats, macaque)
 ** R01NS-11618-01 Behavioral and neural effects of taudosis and pain (rats)
 ** R01NS-11921-01 Somatosensory systems-Central pain (macaques)
 ** R02NU-00457-02 Nursing care and management of pain in patients
 R02NU-00497-01 Nurses' inferences of suffering
 M01RR-00030-13 0007 General clinical research center - Extrapyramidal disorders and focal epilepsy with electrode implants (human)
 ** M01RR-00030-14 0174 General clinical research center - Mechanism of alcohol induced pain (human)
 ** M01RR-00037-14 0131 General clinical research center - Physiologic basis of chronic pain (human)
 ** M01RR-00088-11 0050 General clinical research center - Neurosurgery for relief of persistent pain (human)
 ** M01RR-00400-06 0037 General clinical research center-adult - Abdominal pain associated with marked increase in urokinogen (human)

SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

** P01CA-07368-11 0004 Interrelationships of normal and cancer cells - Electrophysiologic studies with electrodes (human, monkeys)
 ** P02CA-13696-02 0051 Clinical cancer research center - Phenothiazine effects on pain and protection levels (human)
 R01DA-00016-12 Factors in tolerance to the narcotic analgesics (rats)
 P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
 R01DE-02771-06 Thermal aspects of dental restorative procedures
 ** R01DE-03951-01 Acupuncture end dental pain (human)
 P01GM-15904-07 0029 Anesthesiology center for research and teaching - Pain tolerance
 P01GM-15904-07 0030 Anesthesiology center for research and teaching - Situational factors and pain
 P01GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)
 R01GM-20228-01 Human analgesic assay with laboratory pain
 P01GM-21056-01 0014 Interfacial behavior of biomaterials - Electrical analgesia electrodes (monkeys)
 ** R01GM-21099-01 A controlled study of acupuncture and skin sensation (human)
 P01HD-06364-03 0005 Maternal protein restriction and mental retardation - Behavior analysis (rats)
 R01MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis
 ** P01MH-11668-09 0091 Psychosocial factors in health and disease - Onset of Herpes Zoster-Prediction of post herpetic pain
 R01MH-18856-04 Control of the subjective intensity of sensation (human)
 ** R01MH-19152-04 Cognitive control of pain
 ** R01MH-22296-02 Variables influencing pain produced by electric shock (human)
 R03MH-23978-01 Effect of perinatal nutrition on aversion threshold (rats)
 R03MH-25341-01 Effects of hypoxia on brain monoamines and behavior (rats)
 R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 R01NS-08048-04 Comparative studies on mammalian nervous system (monkeys)
 ** R01NS-10814-01 Bulbar trigeminal pain mechanisms (monkey)
 ** R01NS-11921-01 Somatosensory systems-Central pain (macaques)
 ** R02NU-00430-03 Altering patients responses to threatening events
 R02NU-00455-02 Experimental trials of the nursing process (dogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** R02MU-00467-01 Pain alleviation through nursing intervention
 R02MU-00480-01 Psycho-social factors in illness outcome
 ** M01RR-00076-12 0101 General clinical research center - Localization of intracerebral chemodectomas during thalamotomy for pain relief (human)
 ** M01RR-00076-12 0103 General clinical research center - Stereotactic relief of pain in terminal cancer (human)
- SENSORY-PERCEPTUAL PROCESSES, PERCEPTION**
 SEE ALSO EAR, HEARING, AUDITORY DISCRIMINATION
 SEE ALSO ENVIRONMENT, ORIENTATION
 SEE ALSO EYE, VISUAL PERCEPTION
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, DISCRIMINATION
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, IMAGERY
- ** R01AA-00246-05 Alcohol and perceptual cognitive behavior (human)
 ** R01AA-00397-01 Brain response in alcoholics during drinking cycles
 ** R01DA-00015-14 Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys)
 R01DA-00057-04 Chronic amphetamine intoxication—A multidisciplinary approach (cats, monkeys)
 ** P01DA-00250-03 0010 Research center—Studies of drug dependence and abuse - Behavioral and perceptual effects of drugs (human, animals)
 ** R01DA-00079-01 Cannabis-human memory, timing, perception and aggression
 P01GM-18674-03 0013 Diagnostic radiology research and training center - Perceptual errors in diagnostic radiology
 P01HD-01136-10 0002 Center for research in human learning - Reaction time and information processing (human)
 ** P01HD-01136-10 0003 Center for research in human learning - Perception (children)
 P01HD-01136-10 0009 Center for research in human learning - Motor skills and tool using
 ** P01HD-01136-10 0012 Center for research in human learning - Speech perception
 ** P01HD-01994-09 0001 Mature and acquisition of speech code and reading - Speech code and language processing
 P01HD-02274-08 0036 Mental retardation and child development - Mother-child interaction
 ** P01HD-02274-08 0103 Mental retardation and child development - Perception of clicks superimposed on sentences
 R01HD-02395-08 Development of the EEG in relation to behavior (human)
 R01HD-04320-06 Developmental studies in learning and attention (children)
 P01HD-04612-06 0006 Mental retardation research center - Neural correlates of sensation and learning in brain (monkeys, cats)
- M P01HD-05027-05 Developmental psychology
 ** P01HD-05027-05 0013 Developmental psychology - Development of attention
 ** P01HD-05027-05 0015 Developmental psychology - Practical aspects of perceptual development
 ** P01HD-05027-05 0017 Developmental psychology - Infant perception
 R01HD-05354-04 Four preschool programs—Dimension and effects—II
 R01HD-05302-04 Aging in monkeys
 R01HD-06519-02 Social influence on children's standards
 R01HD-06605-02 Developmental studies of selective attention
 R01HD-06903-01 Parent training on learning and cognition of deaf children
 R01HD-07071-01 Biochemical factors in behavioral sex differences
 ** R01HD-07372-01 Perceptual-cognitive development in human infants
 P01HL-10436-09 0007 Congenital heart disease - Developmental lag, perceptual-motor deficits and hypoxia
 R01MH-01099-19 Learning and transfer processes (human)
 R01MH-01475-16 Brain mechanisms in learning and response modulation (rats)
 ** R01MH-03916-15 Perceptual factors in emotional conditioning (human)
- M R01MH-05286-12 Psychophysiology of perception
 ** R01MH-05286-12 0004 Psychophysiology of perception - Levels of processing in speech perception (human)
 R01MH-05286-12 0005 Psychophysiology of perception - AERS associated with judgements of sounds during linguistic processing (human)
 ** R01MH-05286-12 0006 Psychophysiology of perception - Relation between long-latency AERS and perceptual discrimination
 ** R01MH-05286-12 0007 Psychophysiology of perception - Topography of the contingent negative variation during timed human performance
 R01MH-06686-12 Correlation of EEG and behavior (cats, rabbits)
 ** R01MH-07809-11 A quantitative analysis of judgment (human)
 R01MH-11440-07 Experimental studies in childhood schizophrenia
 ** R01MH-12043-07 Influence of parental psychosis on child development
 R01MH-13186-08 LSD, psychogenic procedures and brain neurohumors (rats, mice, cats)
- P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 R01MH-16080-06 Ego development and the provenance of thought
 ** R01MH-16270-07 Sensory information processing (human)
 ** R01MH-16496-06 Perception and short-term memory for verbal materials (human)
 R01MH-17733-04 Retention in and retrieval from immediate memory
 R01MH-18856-04 Control of the subjective intensity of sensation (human)
 R01MH-18857-02 Offspring of psychotic women (Sweden)
 R01MH-19156-04 The nature of hypnosis (human)
 R01MH-19223-05 Reasoning and cognition (children, adults)
 R01MH-19849-02 Learned control of EEG theta activity (human)
 ** R01MH-20021-04 Cognitive processes in comprehension and deduction (human)
 R01MH-20478-03 Behavior mechanisms of drug action in schizophrenia (human)
 R01MH-21037-03 Savings and forgetting from long-term memory
 ** R01MH-21895-02 Discrimination of event frequency—A power of memory
 R01MH-22560-01 Parent training in preprimary behavioral competence
 R01MH-23433-02 Role of the amygdala in behavior—Unit studies (cats)
 R01MH-24103-02 Selective attention and encoding from iconic storage (human)
 ** R01MH-24250-01 Adult perceptions and child behavior dysfunctions (human)
 ** R01MH-24333-01 Drug and perception—An experimental analysis
 R01MH-24433-01 Behavioral effects of brain injury (human, cats, monkeys)
 R01MH-25090-01 Visual and verbal coding of information
 R01MH-25268-01 Minority prison community—Perceptions and practices
 R01MH-25360-01 Effects of early training on infant discrimination (human)
 R03MH-25382-01 Psychological differentiation and hypnotizability (human)
 ** R01MH-25594-01 Electrophysiological studies of selective perception (human)
 R03MH-25868-01 Perceptual span and peripheral cues in reading
 R03MH-26168-01 Short-lived acoustic memory in children and adults
 R03MH-26209-01 Linguistic structure in speech processes
 ** R01NS-03266-13 Neural mechanisms of sensory modalities (cats, rats)
 ** P01NS-03856-12 0005 Auditory communication and its disorders - Psychophysics and perception (human)
 ** R01NS-05464-10 Perception of complex auditory stimuli by the deaf (human)
 P01NS-06663-08 0005 Cerebrovascular clinical research center - Physical therapy, surgery, occupational therapy and hemiparesis in stroke (human)
 ** P01NS-06890-07 0009 Sensory processes - Perceptual organization in fishes and birds
 R01NS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
 P01NS-07226-06 0008 Neurosensory interdisciplinary research program - Remote microelectrode positioning and telemetering system (monkeys)
 R01NS-07454-08 Computer-implemented studies of sensory processing (human, cats)
 P01NS-07468-07 Sensory biology research center
 ** P15NS-07790-07 Auditory dysfunction of the cochlea (human)
 R01NS-08811-05 Auditory aberrations of multiple sclerosis (human)
 ** P01NS-10468-03 0001 The perception of speech events - Studies in audition (human)
 P01NS-10468-03 0002 The perception of speech events - Articulation (children)
 P01NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
 ** R01NS-10627-01 Pitch perception as auditory pattern-recognition
 ** R01NS-10843-01 Detection and recognition in audition and vision
 ** P01NS-11631-01 0033 Clinical center for research on Parkinson's and allied diseases - Long term administration of L-Dopa (human)
 P01NS-11647-01 0013 Peripheral and central auditory mechanisms - Reaction time investigations of speech perception (human)
- SENSORY-PERCEPTUAL PROCESSES, PERCEPTUAL DISTORTION**
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PERCEPTUAL DISORDERS
 ** R01HD-09025-01 Iron anemia perceptual and biochemical correlates
 R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 ** R03MH-24420-01 Perceptual change in visual orientation and direction
- ** R03MH-24509-01 Generalization of conditioned adaptation (human)
 R01NS-11620-01 Masking mechanisms (human)
- SENSORY-PERCEPTUAL PROCESSES, PERCEPTUAL MASKING**
 P01HD-00973-11 0067 Research program on retarded intellectual development - Register encoding (human)
 R01MH-07809-11 A quantitative analysis of judgment (human)
 R01MH-14651-07 Comparative study of vocal learning (canaries, blackbirds, housefinch, sparrows)
 R01MH-18422-04 Psychoacoustic research in psychopathology (human)
 R01MH-19399-04 Perceptual processing and memory of auditory stimuli (human)
 R01MH-20449-03 Spatial representation
 R01MH-24016-01 An experimental approach to a form perception theory (human)
 ** R01NS-11620-01 Masking mechanisms (human)
 ** P01NS-11647-01 0013 Peripheral and central auditory mechanisms - Reaction time investigations of speech perception (human)
- SENSORY-PERCEPTUAL PROCESSES, PROPRICEPTION**
 SEE ALSO BRAIN, VESTIBULAR PATHWAYS
 SEE ALSO EAR, LABYRINTH, VESTIBULAR APPARATUS
 SEE ALSO EAR, LABYRINTH, VESTIBULAR REFLEX
 SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)
 SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
 SEE ALSO SKELETAL MOVEMENT, BODY MOVEMENT
- R01AH-00947-18 Neurophysiology and behavior (cockroaches, moths, shrimp)
 R01ES-00706-03 Cytotoxicity of lead and mercury
 R01EY-00125-05 Superior colliculus and the control of eye movements (monkeys, cats)
 ** R01EY-00375-06 Eye movements and visual direction (human)
 R01EY-00573-12 Vision in special environments—Developmental effects (monkeys, cats, rats)
 ** R01EY-00956-03 Tit effects on orientation selectivity of visual cells (cats)
 R01EY-01135-01 Perception during pursuit eye movements (human)
- M R01EY-01191-02 Vision and visuomotor mechanisms
 ** R01EY-01191-02 0004 Vision and visuomotor mechanisms - Mechanisms of orientation explored by moving visual scenes
 ** R01EY-01191-02 0005 Vision and visuomotor mechanisms - Vision and movement (human)
 P01HD-01136-10 0009 Center for research in human learning - Motor skills and tool using
 R01HD-03591-07 Experimental and innate factors in early development (humans)
 P01HD-05027-05 0016 Developmental psychology - Development of complex perceptual motor systems
 P01HD-06276-03 0044 Mental retardation research program - Hierarchy of receptive fields in the somatosensory system (monkeys)
 R01HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
 R01HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
 R01MH-15828-06 0006 Research in human information processing - Visual imagery and motor functioning
 R01MH-16929-06 The developmental effects of early maternal separation (rats)
 R01MH-16954-04 Effects of somatosensory deafferentation (monkeys, opossum)
 R01MH-19477-03 Psychomotility and cognitive style in the schizophrenias
 R01MH-22081-02 Rehearsal and recognition in kinesthetic memory
 ** R01MH-23628-02 Psychophysics of muscle tension in mental patients
 ** R03MH-24420-01 Perceptual change in visual orientation and direction
 ** R03MH-24951-01 Effects of spinal cord lesions sparing dorsal columns (cats)
 ** R01MH-25855-01 Proprioception and cognitive disorders in schizophrenia
 R03MH-25886-01 Neural hierarchies and the control of movement (crabs)
 R01NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
 P01NS-03354-13 0007 Neurosensory center - Laboratory of neuropsychology (human)
 R01NS-06478-09 Transduction and encoding in mechanoreceptors (cockroach)
 R01NS-06728-06 Physiological relations between cerebellar elements (animals)
 ** R01NS-07237-07 Partial ablation of vestibular system and equilibrium (monkeys)
 R01NS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)
 ** R01NS-07715-06 Recorded body sway in evaluation of equilibrium (human)
 R01NS-07787-06 Psychophysiological studies of binaural interaction (human, cats)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1NS-07888-08 Neural aspects of posture and locomotion (cats)
- ** RO1NS-08453-06 Pathways subserving proprioception (rats, amphibians)
- RO1NS-08470-06 Dynamic modelling of knee joint receptor activity (human)
- RO1NS-08692-05 Motor control system (human)
- RO1NS-09279-03 Acquisition of visual-motor capacities (cats, human)
- RO1NS-09949-03 Effects of vestibular dysfunction in man
- ** RO1NS-10238-03 Otolithological evaluation of infants and children
- ** RO1NS-11276-01 Electromagnetic field orientation (marine fish)
- RO1NS-11491-01 Interlimb aspects of neural control of locomotion (cat)
- PO1NS-11631-01 0052 Clinical center for research on Parkinson's and allied diseases - Electrophysiology of thalamocortical linkages (cats, monkey)
- RO1NS-11798-01 Cerebellar correlates of motor performance (cats)
- SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)**
- SEE ALSO EAR, HEARING
- SEE ALSO EYE, VISION
- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, OLFACTION
- RO1AI-08477-05 Alimentary canal of Aedine mosquitoes
- ** PO1DA-00250-03 0010 Research center-Studies of drug dependence and abuse - Behavioral and perceptual effects of drugs (human, animals)
- ** RO1DE-02815-06 Dental-oral physiology-Speech sensory processes (human)
- RO1EY-00125-05 Superior colliculus and the control of eye movements (monkeys, cats)
- RO1EY-00188-19 Electrical activity, single receptors, neurons of eye (cats, limulus)
- ** PO1EY-00299-09 0022 Neurophysiology of the visual apparatus - Brain mechanisms in sensory substitution (monkeys)
- RO1EY-00321-09 Movement and contour processes in human vision
- ** RO1EY-00405-07 Sensory mechanisms in visual orientation (fish, crustaceans, insects)
- PO1GM-15991-06 0100 Anesthesia research center - General anesthetics-Central targets (cats, monkeys)
- PO1GM-15991-06 0108 Anesthesia research center - Trigeminal nerve hyperactivity in relation to pain-like states (cats)
- ** RO1GM-19390-03 Biochemistry of a response system of Phycomyces
- RO1HD-00870-13 Sensory and perceptual determinants of imprinting (ducks)
- PO1HD-01799-09 0006 Mental retardation research center - Behavioral and developmental neurophysiology (humans, monkeys)
- PO1HD-01799-09 0007 Mental retardation research center - Developmental neuropsychology (human)
- ** PO1HD-01799-09 0053 Mental retardation research center - Sensory organization and modifiability of behavior in high-risk neonate (human)
- RO1HD-02296-09 Sensory evoked EEG and behavioral responses in children (human)
- M PO1HD-03352-07 Wisconsin center on mental retardation
- RO1HD-04364-12 A developmental study of the stress response (rats)
- ** PO1HD-06276-03 0018 Mental retardation research program - Interaction of competing sensory systems in young infants
- ** RO1HD-06278-04 Neuropsychological assessments of child development
- RO1HD-08063-01 Overcoming the adverse effects of prematurity
- M RO1MH-05286-12 Psychophysiology of perception
- ** RO1MH-05286-12 0001 Psychophysiology of perception - Evoked potentials from the surface and depth of the human brain
- ** RO1MH-05286-12 0008 Psychophysiology of perception - Topographic analysis of amplitude fluctuations in late sensory
- RO1MH-05286-12 0009 Psychophysiology of perception - Topographic analysis of auditory, somatic, and visual evoked potentials
- ** RO1MH-05286-12 0014 Psychophysiology of perception - Alteration in SERs produced by administration of monomethyl hydrazine (cats)
- RO1MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
- RO1MH-16733-06 Developmental neuropsychology (rats)
- ** RO1MH-18332-05 Temporal organization in behavior and development (human)
- RO1MH-18856-04 Control of the subjective intensity of sensation (human)
- RO1MH-19415-05 Developmental dyslexia-A longitudinal study
- ** RO1MH-19426-02 Neural responses to relevant and irrelevant stimuli (cats)
- PO1MH-22836-02 Children and families vulnerable to mental disorders
- ** RO1MH-24344-01 Sensory processing and adaptive behavior (cats)
- RO1MH-24433-01 Behavioral effects of brain injury (human, cats, monkeys)
- RO1NS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
- PO1NS-03360-14 0012 Neurological clinical research center-Epilepsy - Reflex epilepsy (human)
- PO1NS-03856-12 0001 Auditory communication and its disorders - Electroencephalography (human)
- ** RO1NS-03950-12 Sensory processes (horse shoe crab)
- ** PO1NS-04513-11 0012 Coordinated basic and clinical brain research program - Unit potential studies in sensory systems (human, cats, monkeys, raccoons)
- RO1NS-04744-11 Neural mechanisms of postural control (dogs)
- ** RO1NS-04989-11 Integration of sensory input (clams, crayfish)
- RO1NS-05811-10 Peripheral neuropathy in man
- ** RO1NS-06115-10 Anatomy of the auditory system (cats, rats)
- M PO1NS-06225-09 Cerebral localization
- PO1NS-06225-09 0006 Cerebral localization - Stimulation of neurons and sensory end organs
- PO1NS-06459-09 0051 Communication sciences - Research on vocal registers (human)
- M PO1NS-06828-08 Neurophysiology-Sensory systems and cerebral cortex
- M PO1NS-06890-07 Sensory processes
- ** RO1NS-07145-07 Activity in the neuronal networks of the brain (monkeys, cats)
- RO1NS-07454-08 Computer-implemented studies of sensory processing (human, cats)
- ** PO1NS-07468-07 Sensory biology research center
- ** RO1NS-07778-07 Neural development (crickets)
- RO1NS-07925-03 Binaural neurophysiology (kangaroo rats)
- RO1NS-08708-06 Experimental analysis of orientation (pigeons)
- RO1NS-08787-05 A comparative study of the sense of taste (catfish, gastropods, human)
- RO1NS-08869-04 Physiology of the central nervous system (Limulus)
- RO1NS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
- ** RO1NS-09027-04 Nonauditory functions of auditory cortex (cats)
- ** RO1NS-09168-05 Electrophysiological studies of the gustatory system (animals)
- ** RO1NS-09404-04 Central control of sensory interneurons (insects, mollusks)
- RO1NS-09660-05 Mechanisms of synaptic transmission (frogs, chickens, lamprey)
- ** RO1NS-09696-04 Neural control of discrete behavioral processes (snails)
- ** PO1NS-09704-04 0019 Developmental neurology - Sensory interaction (human)
- RO1NS-10004-03 Reflex responses to drugs acting on sensory receptors (cats)
- RO1NS-10312-01 Cochlear pharmacology-Neurotransmission
- ** RO1NS-10420-03 Electrophysiology of the genital sensory system (cats)
- ** RO1NS-10526-02 Synaptic relations in sensory systems (carnivores, monkeys)
- RO1NS-10662-01 Microtubules in sensory transduction and development (cockroaches)
- RO1NS-10970-02 Limbic neurons (rats)
- RO1NS-11153-01 Intensity perception (human)
- RO1NS-11522-01 Neural-corticosteroid interaction and brain function (cats, rats)
- RO1NS-11614-01 Neuronal and synaptic organization in the thalamus (cats, monkeys)
- PO1NS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)
- ** RO1NS-11686-01 Evolution of structure and connections of neocortex (mammals, lizards)
- ** RO1NS-11751-01 Synaptic integration in a bimodal sensory interneuron
- ** RO1NS-12040-01 Sensory control of feeding
- ** PO6RR-00166-14 Regional primate research center at University of Washington
- SENSORY-PERCEPTUAL PROCESSES, SEQUENTIAL PERCEPTION**
- RO1AA-00391-01 Effects of alcohol on neurogenic behavior (monkeys)
- RO1EY-00148-04 Interaction between receptor classes in retina (human)
- RO1EY-00188-19 Electrical activity, single receptors, neurons of eye (cats, limulus)
- RO1EY-00206-13 Retinal ganglion cell responses to time varying stimuli (cats)
- ** RO1EY-00308-08 Visual processes with a motionless retinal image (human, cat)
- ** RO1EY-00355-07 Behavioral visual function (turtles, pigeons)
- RO1EY-00376-07 Effect of visual deprivation on vision (rats, cats)
- RO1EY-00379-06 Functional organization of the retina (rats, skate)
- RO1EY-00460-06 Vision and intraretinal potentials (frogs, neoturus)
- ** RO1EY-00539-04 Spatial interactions in human vision
- RO1EY-00667-04 Functional organization of the visual system (horseshoe crabs)
- RO1EY-00701-02 Single cell studies in optic tract (cats)
- RO1EY-00744-03 Human visual responses in retina and cortex
- RO1EY-00898-03 Function of neuron networks in vertebrate visual system (catfish)
- ** RO1EY-00906-03 Integration in the visual system (Decapods)
- RO1EY-00953-03 Selective mechanisms in vision (human, cats)
- ** RO1EY-01241-01 Neuropsychology (cats)
- ** RO1EY-01285-01 Quantitative determination of retinal function (locusts, crickets)
- PO1EY-01319-01 0002 Visual science research center support - Electrophysiological studies of the cat visual system
- ** PO1EY-01319-01 0010 Visual science research center support - Spatial orientation
- PO1EY-01319-01 0015 Visual science research center support - The perceptual components of reading (human)
- ** PO1EY-01319-01 0019 Visual science research center support - Visual masking
- PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
- PO1HD-02528-08 0043 Research center in mental retardation - Experimental analysis of different instructional materials
- RO1HD-06278-04 Neuropsychological assessments of child development
- RO1MH-11682-09 Hallucinogenic drug action on somatosensory systems (primates)
- ** RO1NS-02289-15 Studies in cerebellar physiology (monkeys, cats)
- RO1NS-04003-11 Acoustic specification of speech (human)
- RO1NS-06205-07 Tactile communication of speech to the deaf (human)
- PO1NS-06828-08 0030 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity in patterns during fixation gaze (monkeys)
- PO1NS-06828-08 0032 Neurophysiology-Sensory systems and cerebral cortex - Neuronal activity and pattern perception
- ** PO1NS-06890-07 0014 Sensory processes - Electrophysiological studies of auditory system (fish)
- ** RO1NS-07287-06 Space-time patterns evoked by acoustic complexes (chinchillas)
- RO1NS-09343-04 Eye-head coordination (monkeys)
- RO1NS-09694-03 Studies of communication (dolphin)
- RO1NS-11751-01 Synaptic integration in a bimodal sensory interneuron
- SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS**
- SEE ALSO BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA
- SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
- SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PAIN
- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION
- PO1CA-07368-11 0026 Interrelationships of normal and cancer cells - Relief of cancer pain by neurostimulus
- ** PO1HD-05958-03 0001 Neurophysiology and neuropsychology in mental retardation - Neural correlates of sensation and learning in the brain (cats, monkeys)
- RO1MH-25855-01 Proprioception and cognitive disorders in schizophrenia
- RO1NS-00616-20 Performance tests in cerebral disease (human)
- ** PO1NS-03354-13 0007 Neurosensory center - Laboratory of neuropsychology (human)
- ** RO1NS-04755-11 Parameters of cutaneous communication (human)
- RO1NS-06947-08 Bioelectric studies of cerebral cortex (human, racoons)
- ** RO1NS-07261-08 Spinal somesthetic pathways (monkeys)
- ** RO1NS-08208-09 Laterality of sensory and motor functions (children and adults)
- ** RO1NS-09361-04 Plasticity of the simplest neuronal pathways (animals)
- RO1NS-09783-04 Parameters of cutaneous coding and pattern perception (human)
- RO1NS-09970-02 Organization of cutaneous neurons in dorsal horn (cats)
- ** RO1NS-10224-01 Neuropsychological study of pain and somatic sensation (cat)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R01NS-12061-01 Organization of cutaneous neurons in dorsal horn (cats)

SENSORY-PERCEPTUAL PROCESSES, SPATIAL PERCEPTION

SEE ALSO EYE, VISION, MOVEMENT PERCEPTION
SEE ALSO EYE, VISION, SPATIAL PERCEPTION VISUAL
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, DEPTH PERCEPTION

SEE ALSO SENSORY-PERCEPTUAL PROCESSES, MOTION PERCEPTION

SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRICEPTION

- R01EY-00105-05 Vision in all-cone visual systems (squirrels)
- R01EY-00187-20 Psychophysiological and optical studies of vision (human, monkeys)
- ** R01EY-00220-13 Retinal and central visual function (human)
- ** R01EY-00355-07 Behavioral visual function (turtles, pigeons)
- ** R01EY-00375-06 Eye movements and visual direction (human)
- R01EY-00383-12 Effects of illumination on binocular space perception (human)
- ** R01EY-00597-05 Spatial selectivity in non-striate visual cortices (primates, cats)
- ** R01EY-00680-03 Vision-Spatial, temporal and adapting effects (cats, human, monkeys)
- R01EY-01049-02 Eye-position information processed in frontal cortex (monkeys)
- R01EY-01191-02 0003 Vision and visuomotor mechanisms - Multiple modes of processing visual stimuli (human)
- R01EY-01191-02 0004 Vision and visuomotor mechanisms - Mechanisms of orientation explored by moving visual scenes
- P01HD-00668-16 0015 Aging and the aged - Age effect on multiple cognitive processes (human)
- P01HD-00668-16 0018 Aging and the aged - Evoked potentials in brain function and aging (human)
- ** P01HD-00870-11 0014 Communication research with retarded children - Programmed instruction for discrimination of spatial relations
- P01HD-01799-09 0011 Mental retardation research center - Development of movement control systems in primates
- P01HD-02528-08 0043 Research center in mental retardation - Experimental analysis of different instructional materials
- P01HD-02528-08 0063 Research center in mental retardation - Concept acquisitions
- R01HD-03215-07 Conceptual development and language comprehension
- ** R01HD-03742-06 Sex linked traits in Turners syndrome - Family study
- ** R01HD-05848-03 Childrens spatial visualization
- R01HD-06648-02 A family study of the genetics of special abilities
- ** R01HD-07307-02 The development of space perception in children
- R01HD-07369-01 Generality and correlates of egocentrism in children
- ** R01HD-08546-01 Crowding and development of spatial behavior (adults, children)
- R01MH-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
- ** R01MH-03372-15 0027 Neural mechanisms in behavior - Performance on Raven's colored progressive matrices after commissurotomy (human)
- R01MH-06671-11 The development of children's naturalistic concepts
- R01MH-12717-08 Information processing and retrieval
- P01MH-12970-08 0001 What makes man human-Trans-or subcortical association - Brain function occipital lobe (cats)
- ** R01MH-13006-09 Determinants of perceived orientation (human)
- R01MH-15651-07 Applications of the edjacency principle (human)
- R01MH-18332-05 Temporal organization in behavior and development (human)
- ** R01MH-20449-03 Spatial representation
- R01MH-20723-03 Human perceptual and short-term memory processing
- R01MH-21105-03 Recognition of spatial and temporal visual patterns (human)
- R01MH-23642-02 Some genetic and social factors in cognitive traits
- P01MH-23878-06 0029 Cognitive processes and mathematical psychology - Short term memory for consonant order
- ** R03MH-24728-01 Visual spatial frequency channels in primate cortex
- R03MH-25649-01 Recovery from frontal cortex damage in infants (rats)
- R03MH-25722-01 Effects of spatial complexity on mental operations (human)
- R01NS-00616-20 Performance tests in cerebral disease (human)
- ** P01NS-03358-13 0004 Sensory disease clinical research center - Localization of sound (human)

- ** R01NS-07270-06 Loudness summation over space, time, and frequency (human)
- R01NS-09279-03 Acquisition of visual-motor capacities (cats, human)
- R01NS-09783-04 Parameters of cutaneous coding and pattern perception (human)
- R01NS-10236-03 0002 Functional skill remediation in brain damage - Remediation of untreated impairments (human)
- R01NS-10561-01 Auditory imperception of complex acoustic signals (human)
- R01NS-10577-02 0009 Normal and pathological human brain function - Short and long-term memory in brain disorders
- R01NS-11272-01 Lateral line projections of amphibia

SENSORY-PERCEPTUAL PROCESSES, TASTE

- R01AA-00302-02 0003 Alcohol, tolerance and memory - Taste or systemic effects in alcohol preference (rats)
- R01AA-00302-02 0004 Alcohol, tolerance and memory - Taste or systemic effects in consumption of alcohol under stress (rats)
- R01AM-02911-15 Metabolic aspects of obesity (mice)
- ** R01AM-13252-05 Role of nutrition in regulation of food intake (rats)
- R01AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)
- R01AM-15511-03 Hypothalamic control of body weight and feeding (rats, squirrel)
- ** R01AM-15564-03 0004 Secretion and hormonal integration of exocrine organs - Kinetics of taste and salivary response as model of chemoreception in gut (human)
- R01CA-08231-10 0001 Radiobiology research program - Radiation effect on taste (mice, human)
- ** R01DE-02152-09 0019 Dental physiology and biophysics - Neurophysiology of taste and chemosensation (mammals, fish)
- ** P01DE-02848-06 0016 Biology of connective tissue, bones and teeth
- ** R01DE-03018-05 Molecular aspects of taste (mammals)
- P01DE-03568-01 0002 Craniofacial anomalies-etiology and treatment - Hypoplasia of the midface
- ** R01DE-03739-02 Taste receptor interactions (rat, cattle, swine)
- NO1DE-22401-02 Fetal and infantile development of oral sensory receptors
- ** R01ES-00880-02 Taste of water-Effects of solutes and adaptation (human, rats)
- R01HD-03719-10 Metabolic and behavioral studies of human obesity
- ** R01HD-06781-03 Taste sensitivity in the human infant
- ** R01HD-06853-02 Gustator and olfactory quality changes with age (human)
- ** R01HD-07483-01 Functional development of the gustatory sense (sheep)
- P01HD-07578-01 0002 Growth and nutrition of normal infants - Effects of dietary composition on food consumption and growth (human)
- P17HL-14159-04 0001 Specialized center of research in hypertension - Genetic studies in hypertension and renin secretion (human)
- R01MH-13958-07 Brain mechanisms related to feeding behavior (cats)
- ** R01MH-19438-04 0007 Neurochemistry of obesity and learned taste aversions - Conditioned taste aversion (rats)
- R01MH-22319-02 External and internal factors in food regulation
- R03MH-25007-01 Aversion learning motivated by unpalatable flavors (rats)
- ** R01NS-01941-16 Neurophysiology of food intake (rodents)
- R01NS-03266-13 Neural mechanisms of sensory modalities (cats, rats)
- ** P01NS-06225-09 0004 Cerebral localization - Neural mechanisms of temperature and studies on the mediodorsal nucleus (animals)
- ** R01NS-07072-08 Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils)
- P01NS-07468-07 Sensory biology research center
- ** R01NS-07472-05 Fine structure of taste buds and related receptors (rabbits, insects)
- ** R01NS-07873-07 A psychophysical study of gustatory adaptation
- ** R01NS-08775-05 Mechanisms of taste function (fish)
- ** R01NS-08787-05 A comparative study of the sense of taste (catfish, gastropods, human)
- ** R01NS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
- ** R01NS-09168-05 Electrophysiological studies of the gustatory system
- R01NS-10150-03 Neural systems of ingestive behavior (rats)
- ** R01NS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- ** R01NS-10405-03 Neural coding of taste-quality information (rats)
- ** R01NS-11616-02 Study of olfaction in the rat
- P07RR-00679-02 0011 Biotechnology resource in electronprobe analysis - Taste bud pores (rabbits)

SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD

- P17AM-17624-01 0001 Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
- ** R01CA-08231-10 0001 Radiobiology research program - Radiation effect on taste (mice, human)
- R01ES-00880-02 Taste of water-Effects of solutes and adaptation (human, rats)
- ** P01MH-08667-10 0008 A longitudinal epidemiology of impaired competence - Assessment problems in determining stimulus thresholds for the mentally retarded
- R01NS-07873-07 A psychophysical study of gustatory adaptation
- R01NS-08787-05 A comparative study of the sense of taste (catfish, gastropods, human)
- R01NS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)

SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

- ** R01AM-16703-01 Heat acclimation in *Macaca mulatta*
- ** P01ES-00354-07 0004 Human responses to thermal environment - Thermal psychophysics and human behavioral thermoregulation
- ** R01EY-01162-01 Ocular damage due to retinal temperature rise (rabbits, monkeys)
- R01FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
- R01GM-16714-06 Homeostasis in mammalian hibernation (hamsters, ground squirrels)
- R01GM-21099-01 A controlled study of acupuncture and skin sensation (human)
- P01HL-08682-11 0008 Regulation of the cardiovascular system - Spinal regulation of vasomotor and sudomotor outflows (human, dogs, cats)
- P01HL-11414-07 0027 Thrombosis and atherosclerosis program - Thermal-Memory wire filter to prevent pulmonary embolism (human, dogs)
- R01HL-12038-07 Vascular responses to heat (cats, sheep)
- R01MH-03372-15 0040 Neural mechanisms in behavior - Thermoregulatory incentive in visual discrimination (chicks)
- ** P01MH-12970-08 0003 What makes man human-Trans-or subcortical association - Brain function parietal lobe (monkeys)
- R03MH-24534-01 Dynamics of warmth and cold (human)
- ** R01NS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
- R01NS-05638-10 Central neural regulation of body fluids (animals)
- ** P01NS-06225-09 0004 Cerebral localization - Neural mechanisms of temperature and studies on the mediodorsal nucleus (animals)
- R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- R01NS-06828-08 0011 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of pain sensibility (monkeys, human)
- ** P01NS-06828-08 0027 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of warmth sensibility (human, monkeys)
- ** P01NS-06828-08 0028 Neurophysiology-Sensory systems and cerebral cortex - Afferent input evoked by a noxious stimulus (monkeys)
- ** P01NS-07226-06 0007 Neurosensory interdisciplinary research program - Thermal stimulator for neurosensory research (monkeys)
- ** P01NS-07468-07 Sensory biology research center
- P01NS-07938-06 0002 Peripheral and central nervous system - Spinal reflex mechanisms (cats, monkeys)
- ** R01NS-09809-04 Temperature and pain in CNS (cats, monkeys)
- R01NS-09821-04 Neural development genetic and environmental control (crustaceans)
- R01NS-09864-04 Tactile peripheral nerve recordings and psychophysics (human)
- ** R01NS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)
- R01NS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
- R01NS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
- ** R01NS-11384-01 Central processing of temperature information (monkeys)

SENSORY-PERCEPTUAL PROCESSES, TIME PERCEPTION

- ** R01AA-00311-03 0011 Metabolic and psychological factors in alcoholism - Temporal processes in alcoholics
- ** P01EY-01319-01 0008 Visual science research center support - Temporal factors in vision
- R01HD-03719-10 Metabolic and behavioral studies of human obesity
- P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
- R01MH-02261-16 Neurophysiologic aspects of visual discrimination (monkeys)
- R01MH-03030-15 Improved clinical screening of phenotropic drugs (human)
- ** R01MH-03859-13 0004 Developmental-interactive aspects of hypnosis - Use of hypnosis

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1MH-06671-11 The development of children's naturalistic concepts
 RO1MH-14229-08 Perception of structure (human)
 R03MH-25824-01 Methods to analyze temporal relations in language (children)
 ** RO1NS-04755-11 Parameters of cutaneous communication (human)
 ** RO1NS-07270-06 Loudness summation over space, time, and frequency (human)
 ** RO1NS-10561-01 Auditory imperception of complex acoustic signals (human)
 RO1NS-11157-01 Interaction of interaural time (phase) and intensity (human)

SENSORY-PERCEPTUAL PROCESSES, TOUCH

SEE ALSO SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION

- NO1AM-22200-04 Uremic polyneuropathy investigations (human)
 ** PO1EV-01186-02 0006 The visual science research center grant - Sensory substitution (human)
 RO1GM-21099-01 A controlled study of acupuncture and skin sensation (human)
 PO1HD-02274-08 0126 Mental retardation and child development - Effects of social stimulation, varied sensory input in isolation (monkeys)
 PO1HD-05124-04 0001 Mental retardation-Behavioral and neurologic aspects - Reading comprehension and crossmodal transfer
 RO1HD-06278-04 Neuropsychological assessments of child development
 RO1HD-06367-03 Psychosocial development
 RO1HD-07071-01 Biochemical factors in behavioral sex differences
 RO1HD-07075-01 0004 Reading, crossmodal transfer and stimulus control - Letter and word reversals in reading and writing (children)
 RO1HD-07163-02 Visual-auditory equivalence in pattern perception (children, adults)
 RO1HL-14888-02 Behavioral deficits in post-cardiac surgery patients
 RO1MH-12717-08 Information processing and retrieval
 RO1MH-19715-04 Behavioral control by an imprinted stimulus (ducks)
 ** RO1MH-19722-04 Adaptive function of electrodermal activity (human)
 RO1MH-20449-03 Spatial representation
 ** RO1MH-21312-03 0017 Endocrinological determinants of behavior - Effects of anesthetic ointments applied to penis of rhesus monkey and guinea pig
 ** R03MH-24951-01 Effects of spinal cord lesions sparing dorsal columns (cats)
 ** R03MH-25397-01 Serial surgery and tactile recovery (rats)
 PO1NS-03354-13 0007 Neurosensory center - Laboratory of neuropsychology (human)
 ** RO1NS-05715-09 Neurological mechanisms of sensory deficit (monkeys)
 PO1NS-06225-09 0002 Cerebral localization - Comparative studies of brain specialization in mammals (raccoons, rats, cats)
 ** RO1NS-06371-08 Neural correlates of somatic sensibility (monkeys, racoons, opossum)
 RO1NS-06478-09 Transduction and encoding in mechanoreceptors (cockroach)
 RO1NS-07505-06 Neural correlates of skin sensibility (cats)
 ** RO1NS-08208-09 Laterality of sensory and motor functions (children and adults)
 RO1NS-08470-06 Dynamic modelling of knee joint receptor activity (human)
 RO1NS-09027-04 Nonauditory functions of auditory cortex (cats)
 PO1NS-09704-04 0038 Developmental neurology - Receptive field organization of primate somatosensory cortex
 RO1NS-09783-04 Parameters of cutaneous coding and pattern perception (human)
 ** RO1NS-09864-04 Tactile peripheral nerve recordings and psychophysics (human)
 RO1NS-09940-03 Responses to suprathreshold vibratory stimulation (human)
 RO1NS-10368-01 Receptive field organization of somatosensory cortex (primates)
 RO1NS-10464-03 Role of central feedback mechanisms in skilled acts (monkeys)
 ** RO1NS-10474-01 Tactile perception of speech (human)
 RO1NS-11002-01 Serial surgery and tactile recovery of function (rats, racoons)
 RO1NS-11219-02 Interrelationships to sensorimotor neurons (cats)
 RO1NS-11751-01 Synaptic integration in a bimodal sensory interneuron
 PO7RR-00326-08 Computer resource research and development

SENSORY-PERCEPTUAL PROCESSES, TOUCH, ESTHESIOMETERS

- RO1NS-00616-20 Performance tests in cerebral disease (human)

SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION

- SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
 ** RO1DE-02152-09 0016 Dental physiology and biophysics - Interaction of noxious and vibratory stimuli (human)
 RO1GM-21099-01 A controlled study of acupuncture and skin sensation (human)
 RO1NS-04755-11 Parameters of cutaneous communication (human)
 PO1NS-06459-09 0051 Communication sciences - Research on vocal registers (human)
 ** PO1NS-06828-08 0026 Neurophysiology-Sensory systems and cerebral cortex - Loss of function, remaining capacity of cortical area of parietal lobe (monkey)
 RO1NS-09783-04 Parameters of cutaneous coding and pattern perception (human)
 ** RO1NS-09940-03 Responses to suprathreshold vibratory stimulation (human)
 ** RO1NS-11495-01 Mechanics and vibrations of pathological vocal folds (human)

SENSORY-PERCEPTUAL PROCESSES, WEIGHT PERCEPTION

- ** RO1MH-03372-15 0028 Neural mechanisms in behavior - Movement planning and weight comparisons (human)
 RO1MH-25855-01 Proprioception and cognitive disorders in schizophrenia

SENSORY POLYNEUROPATHY

SEE NERVOUS DISORDERS PERIPHERAL, SENSORY NEUROPATHY

SENSORY THRESHOLDS

- SEE ALSO EAR, HEARING, AUDITORY THRESHOLD
 SEE ALSO EYE, VISUAL THRESHOLD
 SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANESTHETICS
 SEE ALSO SENSORY DEPRESSION, AMALGESIA
 SEE ALSO SENSORY DEPRESSION, ANESTHESIA (GENERAL)
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, OLFACTORY THRESHOLD
 SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD
 PO1AA-00212-06 0001 Oklahoma center for alcohol related studies - Neuropsychological concomitants of alcohol ingestion (human)
 NO1AM-22200-04 Uremic polyneuropathy investigations (human)
 ** PO1CA-07368-11 0026 Interrelationships of normal and cancer cells - Relief of cancer pain by neurostimulus
 ** RO1DE-02152-09 0017 Dental physiology and biophysics - Sensory threshold to pressure stimulation of pulpal tissue
 ** RO1DE-02152-09 0021 Dental physiology and biophysics - Mechanisms of pulpal sensation in humans
 RO1ES-00592-03 Odor psychophysics-Intensity, adaptation and masking (human)
 ** RO1FD-00680-01 Diagnostic ultrasound-Injury thresholds and mechanisms (cats)
 PO1GM-15904-07 0030 Anesthesiology center for research and teaching - Situational factors and pain
 PO1GM-15991-06 0092 Anesthesia research center - Chronic pain-Behavioral perspective and steps toward a psychotherapy (human)
 ** RO1GM-21099-01 A controlled study of acupuncture and skin sensation (human)
 PO1HD-05958-03 0002 Neurophysiology and neuropsychology in mental retardation - Electrophysiology of learned motor performance (cats)
 ** PO1HD-06276-03 0039 Mental retardation research program - Somatosensory evoked potentials, sucking and swallowing in newborns (human)
 PO1HL-13480-04 0021 Cardiac electrophysiology - Fibrillation threshold studies
 ** RO1MH-03859-13 0003 Developmental-interactive aspects of hypnosis - Hypnotic behavior and the hypnotic state
 ** RO1MH-04151-14 0003 Psychology and physiology of sleep - Effect of sleep deprivation on sensory thresholds (rats)
 RO1MH-13049-09 Experimental studies of long-term stress (human, monkeys, rats)
 RO1MH-20449-03 Spatial representation
 RO1MH-22296-02 Variables influencing pain produced by electric shock (human)
 PO1NS-06828-08 0011 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of pain sensibility (monkeys, human)
 PO1NS-06828-08 0027 Neurophysiology-Sensory systems and cerebral cortex - Psychophysical studies of warmth sensibility (human, monkeys)
 PO1NS-06828-08 0028 Neurophysiology-Sensory systems and cerebral cortex - Afferent input evoked by a noxious stimulus (monkeys)
 PO1NS-06828-08 0029 Neurophysiology-Sensory systems and cerebral cortex - Central nervous mechanism in pain (monkeys)
 RO1NS-09783-04 Parameters of cutaneous coding and pattern perception (human)
 RO1NS-09864-04 Tactile peripheral nerve recordings and psychophysics (human)
 ** RO1NS-09940-03 Responses to suprathreshold vibratory stimulation (human)

- RO1NS-11276-01 Electromagnetic field orientation (marine fish)

SEPARATION (PHYSICAL CHEMISTRY)

SEE PHYSICAL SEPARATION*

SEPARATION, SOCIAL

SEE PSYCHOSOCIAL SEPARATION

SEPARATION AND DIVORCE

SEE FAMILY, SEPARATION AND DIVORCE

SEPTAL AREA

SEE BRAIN, LIMBIC SYSTEM, SEPTAL AREA

SEPTAL DEFECT HEART

SEE CONGENITAL ABNORMALITIES, HEART SEPTAL DEFECTS

SEPTAL DEFECT THERAPEUTIC

SEE HEART SURGERY, SEPTAL DEFECT THERAPEUTIC

SEPTICEMIA, SEPTICEMIC SHOCK

SEE BLOOD TOXICOLOGY, BACTEREMIA - SEPTICEMIA

SEPTUM HEART

SEE HEART, SEPTUM

SEPTUM PELLUCIDUM CEREBRI

SEE BRAIN, CEREBRUM, SEPTUM PELLUCIDUM

SEQUENTIAL LEARNING

SEE PSYCHOLOGY, LEARNING, SEQUENTIAL

SEQUENTIAL PERCEPTION

SEE SENSORY-PERCEPTUAL PROCESSES, SEQUENTIAL PERCEPTION

SERINE

SEE AMINO ACIDS, SERINE

L-SERINE HYDROLYASE (ADDING INDOLE)

SEE DEHYDRATASES, TRYPTOPHAN SYNTHETASE

SERINE HYDROLYASE DEAMINATING

SEE DEHYDRATASES, SERINE HYDROLYASE DEAMINATING

SERINE HYDROXYMETHYLTRANSFERASE

SEE HYDROXYMETHYLTRANSFERASES, SERINE HYDROXYMETHYLTRANSFERASE

SEROLOGY

SEE IMMUNOLOGY, SEROLOGY*

SEROSA

SEE BODY CAVITIES, SEROSA

SEROSITIS (POLYSEROSITIS FAMILIAL)

SEE METABOLIC DISORDERS INBORN, FAMILIAL MEDITERRANEAN FEVER

SEROTONIN

SEE BENZOPYRROLES, SEROTONIN

SEROTONIN INHIBITORS

SEE BENZOPYRROLES, SEROTONIN INHIBITORS

SEROTYPES, SEROTYPING

SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING

SERPASIL

SEE ALKALOIDS, RAUWOLFIA TYPE, RESERPINE

SEBRATIA

SEE BACTERIA, ENTEROBACTERIACEAE, SERRATIA*

SERRATIA MARCESCENS

SEE BACTERIA, ENTEROBACTERIACEAE, SERRATIA MARCESCENS*

SERTOLI CELL TUMOR

SEE REPRODUCTIVE SYSTEM NEOPLASMS MALE, TESTIS NEOPLASMS

SERUM

SEE BLOOD AND RE SYSTEM, BLOOD, SERUM

SERUM ALBUMIN

SEE ALBUMINS, SERUM ALBUMIN

SERUM ALBUMIN BOVINE

SEE ALBUMINS, SERUM ALBUMIN BOVINE

SERUM AMINO ACIDS

SEE AMINO ACIDS, SERUM AMINO ACIDS

SERUM GLOBULINS

SEE GLOBULINS, SERUM GLOBULINS

SERUM HEPATITIS

SEE LIVER DISORDERS, HEPATITIS SERUM

SERUM LIPIDS

SEE LIPIDS BLOOD

SERUM LIPOPROTEINS

SEE LIPOPROTEINS BLOOD

SERUM PROTEINS

SEE BLOOD PROTEINS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

SERUM PROTHROMBIN CONVERSION ACCELERATOR

SEE BLOOD COAGULATION, FACTOR VII

SERUM SICKNESS

SEE HYPERSENSITIVITY, SERUM SICKNESS

SERVOMECHANISMS (BIOLOGICAL)

SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

SERVOMECHANISMS (NEURAL)

SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

SESQUITERPENES

SEE TERPENES, SESQUITERPENES

SET, LEARNING

SEE PSYCHOLOGY, LEARNING SET

SET, MENTAL

SEE PSYCHOLOGY, ATTITUDES (AND RELATED)

SEVENTH DAY ADVENTISTS

SEE SOCIAL GROUPS, RELIGIOUS, SEVENTH DAY ADVENTISTS

SEVIN

SEE PESTICIDES, INSECTICIDES, CARBAMATE INSECTICIDES, SEVIN

SEWAGE

SEE ENVIRONMENTAL HEALTH, SEWAGE

SEX, SEX DIFFERENCE

- R01AA-00185-03 Drinking and social stress in driving of young adults
- R12AA-00209-07 0002 Washington University Alcoholism Research Center - Alcoholism and criminality (women)
- R01AA-00248-05 Adrenal function in alcoholism (human)
- R01AA-00251-04 Alcohol effects on driving, perception and attention
- ** R01AA-00380-02 Women and alcohol
- R18AA-00425-02 Plainfield Public Welfare Department
- R01AA-00498-03 0012 Clinical studies of alcohol use and abuse - Alcoholism-Genetic aspects (human)
- R18AA-00552-03 American Indian special services project
- R01AA-00912-01 Personality, roles, and treatment of alcoholic women
- R18AA-00967-01 Indian women alcoholism crisis center
- R18AA-00995-01 Dade Co women's alcohol treatment program
- R01AA-01066-01 Physical dependence on alcohol (mice)
- R18AA-01475-01 Women's alcoholism program
- R18AA-01487-01 Columbia Point alcoholism program
- N01AA-30039-00 Study on interactions of alcoholism with cancer
- N01AA-30113-00 Relationships between alcohol consumption and heart disease
- R01AI-03638-14 Bacteriology and serology of pyelonephritis (human)
- ** R01AI-0467-03 Studies on hereditary androcidal infections (Drosophila, microorganisms)
- P01AI-12381-01 0015 Center for study of sexually transmitted diseases - Chlamydia as sexually transmitted agents (guinea pigs)
- R01AI-12460-01 Genetics of isoantibody and immunoglobulin levels (human)
- N01AI-22513-03 Efficacy of dodecavalent pneumococcal vaccine
- R01AM-01677-17 Regulatory mechanisms in lipid metabolism (rats, human)
- R01AM-06912-12 Estrogen production from plasma precursors in humans
- R01AM-07084-13 Hormonal control of sebaceous gland function (human)
- R01AM-07912-10 Creighton University bone research center (women)
- R01AM-08311-10 Obesity and physiological response to environment (human)
- R01AM-08893-10 Mechanisms responsible for ligamentous strength (animals)
- R01AM-09000-10 Hepatic lipid metabolism, control and ethanol effects (rats)
- R01AM-09307-09 Study of G-6-PD isoenzymes (human)
- R01AM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)
- R01AM-10214-09 Lipid-protein binding in lipoproteins (chickens)
- ** R01AM-11146-07 Control of hepatic biosynthesis of plasma proteins (rats)
- R01AM-12845-04 Studies in androgen metabolism (human, rats)
- R01AM-13325-04 Regulation of galactose metabolism (human, chickens, dogs, catfish, E coli)
- R01AM-13359-06 Molecular basis genetics of glycogen storage disease (human)
- R01AM-14668-04 Mechanism of gallstone formation in man
- ** R01AM-15498-03 Hepatotoxicity of tetracyclines and other drugs (rats)
- R01AM-15511-03 Hypothalamic control of body weight and feeding (rats, squirrel)
- R01AM-15952-03 Esophageal motility in health and certain diseases (human)

- R01AM-16549-01 Sickle cell disease-Gallstones and liver dysfunction (human)
- R01AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)
- R01AM-17334-02 Release of HGH, HPRL, HLI and HFSH in sleep-wake cycles (human)
- R01AM-17369-01 Atherosclerosis therapy and cholelithiasis (monkeys, human)
- R01AM-17398-02 Pathologic effects on cells of modified lipoproteins (rats)
- P01CA-06373-12 Epidemiologic studies of cancer (human)
- P01CA-08748-09 5927 Research program of Sloan-Kettering Institute - HL-A antigens in women with trophoblastic neoplasms
- P01CA-10815-06 0010 Consolidated basic cancer research program - Immunization with fetal tissue (hamsters)
- ** P01CA-11428-04 Epidemiology of cancer (human)
- P01CA-12376-03 0004 Environmental carcinogenesis - Cancer of the kidney (human)
- P01CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)
- P01CA-12536-04 0001 Effects of small doses of ionizing radiation - Radiation carcinogenesis (rats)
- P01CA-12707-03 0007 Cancer epidemiology program grant - Colon cancer (human)
- ** R01CA-12726-03 A new human blood factor purification
- R01CA-12788-03 Immunogenetic mechanisms and cancer in congenic mice
- R01CA-13080-03 Comparative carcinogenicity of tritium (mice)
- R01CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
- R10CA-13651-02 Malignant melanoma group
- R10CA-13669-02 Malignant melanoma group
- R10CA-13671-02 Malignant melanoma group
- P02CA-13696-02 0013 Clinical cancer research center - Lymphocyte reaction in cancer (human)
- R01CA-14189-02 Bronchogenic carcinoma-Early detection and etiology (human)
- R01CA-15276-01 Induction and culture of EGF-dependent skin tumors (mice)
- R26CA-15400-02 Mechanism of action of colon carcinogenesis (rodents)
- R26CA-15425-01 Colonic cancer in inbred Syrian hamsters
- R26CA-15640-01 Urinary bladder tumorigenesis (dogs, rabbits, human)
- R01CA-15897-01 Aryl hydrocarbon hydroxylase induction in rat kidney
- ** R26CA-15962-01 Effects of sex on colon carcinogenesis (mice)
- R18CA-16405-01 0002 Development of regional cancer control program - Colposcopy program (human)
- N01CP-33326-03 Epidemiology and etiology of breast cancer
- ** R01DA-00847-01 Drug use and abuse in women
- ** R03DA-00870-01 Mechanism of sex difference in marijuana response
- ** R01DA-00918-01 Female criminal involvement and narcotics addiction
- R01DA-01121-01 A study of drug use among young American males
- P01DE-01697-12 0002 Interdisciplinary studies in cleft palate - Velopharyngeal valving mechanism (human)
- P13DE-02600-08 0037 Planning of a research center in oral biology - Thickness measurements and effect of stress on oral mucoperiosteum (dogs)
- P13DE-02668-08 0002 Dental research center - Growth mechanisms (rats)
- R01DE-03343-03 Longitudinal face and dentition data (human)
- R01DE-03371-03 A genetic study of 3600 cleft lip and palate probands
- R01DE-03443-03 Prenatal origins of postnatal dental variability (human)
- R01DE-03472-03 Patterns of dentocraniofacial growth and maturation
- P01DE-03610-08 0006 Cranio-facial growth and development - Inheritance of cranio-facial form and growth (human)
- N01DE-22415-01 Dental plaque indicators (human)
- P10ES-00159-09 0016 Center for study of the human environment - Human body burden of metals
- P01ES-00454-06 0002 Biological effects of environmental agents - Dehydration, food deprivation and clearance of environmental agents (rodents)
- P01ES-00735-01 0006 Public health hazards and environmental fate of parathion - Parathion induced enzymic changes in rat brain
- ** R01ES-00849-02 Physiological adaptation of women to heat stress
- P10ES-00928-01 0016 Environmental agents-Relation to human health effects - Diethyl stilbestrol exposure in males (human)
- R01EY-00988-02 Studies of the break up of the tear film (human)
- R01FD-00521-01 Host-Mediated studies of carcinogenic and mutagenic compounds (yeast)
- R01GM-07212-13 Cytogenetics-Chromosomal rearrangements (grasshoppers)
- R01GM-11803-09 Twinning among twins and their relatives

- P01GM-14231-09 0023 Natural history of heart, cancer, stroke in a population - Cholelithiasis and cholecystitis
- P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
- P01GM-15422-07 0016 Program project in genetics - Population genetics (Drosophila, human)
- P01GM-15422-07 0018 Program project in genetics - Cytology and genetics of 2n gametes
- P11GM-15431-08 0035 Research center for clinical pharmacology and drug toxicology - Biochemical pharmacology of delta-9-tetrahydrocannabinol (rats)
- P11GM-15477-08 0040 Drug metabolism and biochemical pharmacology - Kinetics of microsomal drug metabolism (rabbits, guinea pigs, rats)
- ** P11GM-15477-08 0051 Drug metabolism and biochemical pharmacology - Age, sex and microsomal drug metabolism (rats)
- ** P11GM-15477-08 0052 Drug metabolism and biochemical pharmacology - Age, sex and depression of drug metabolism (rats, mice)
- P11GM-16216-06 0016 Toxicological problems of drugs (placental transfer, lactation) - Metabolic profiles of urinary steroids in infants (human)
- P01GM-16492-06 0021 Design of chemotherapeutic agents - Possible hormonal control of sexual maturation of female schistosomes (mice)
- R01GM-16498-06 Metabolism of volatile fluorinated anesthetics in man
- P01GM-16934-06 0004 Sulfonamides and carbonic anhydrase-Basis for therapy - Liver carbonic anhydrase (rats)
- ** R01GM-17369-05 Normal profile study (human)
- P01GM-17806-05 0015 Nutritional factor effects on drug action - Spontaneous seizures in rats
- P01GM-17806-05 0016 Nutritional factor effects on drug action - Possible endocrine abnormalities in seizure-prone animals
- P01GM-17806-05 0020 Nutritional factor effects on drug action - Tyrosine-hydroxylase activity in neonatal rat brain
- P01GM-17806-05 0021 Nutritional factor effects on drug action - Tryptophan hydroxylase activity in neonatal rat brain
- R01GM-18907-03 Population fitness-Genic and cytoplasmic determinants
- R01GM-19258-02 Regulation of gene expression by sex hormones (human, mice, chickens)
- R01GM-19962-02 Human autosomal gene linkage
- R01GM-20770-01 Y chromosome structure and regulation in Drosophila
- R01HD-00157-13 Variation during child growth (human)
- R01HD-00325-18 0008 Longitudinal and related psychohormonal studies - Women with vaginal atresia
- R01HD-00325-18 0009 Longitudinal and related psychohormonal studies - Aggression in the adrogenital syndrome
- P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
- P01HD-00668-16 0011 Aging and the aged - Learning and psychophysiological parameters in aged (human)
- P01HD-00668-16 0015 Aging and the aged - Age effect on multiple cognitive processes (human)
- P01HD-00668-16 0019 Aging and the aged - Arousal pattern in structural interpersonal setting-Age related difference (men)
- P01HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
- R01HD-00850-17 Sexual hormones of Achiya bisexualis
- R01HD-00867-12 Hormonal and neural correlates of reproductive behavior (rats, hamsters)
- R01HD-01182-12 Ovarian-hypothalamic-hypophyseal axis (rats)
- R01HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
- R01HD-02335-09 0002 Hormonal effects on growth and maturation - Testicular function (human)
- ** R01HD-02335-09 0006 Hormonal effects on growth and maturation - Prenatal sex prediction (human)
- R01HD-02619-08 Development of skeletal weights in children (primates)
- ** P01HD-02881-07 0004 Developmental and behavioral neuroendocrinology - Sexual dimorphism and sexual differentiation (squirrel monkeys)
- P01HD-03008-07 0010 Cognition and motivation in the retarded - Effects of success and failure on learning of normal and retarded children
- P01HD-03298-13 0014 Developmental pathology - Animal cytogenetics (mammals)
- R01HD-03726-08 Human pituitary gonadotrophins (also rats)
- R01HD-03742-06 Sex linked traits in Turners syndrome-Family study
- R01HD-04312-06 Physiologic control of prolactin secretion (rats)
- P01HD-04335-06 Brain-behavior relationships in mental retardation
- P01HD-04335-06 0004 Brain-behavior relationships in mental retardation - Emotional attachment, separation and reunion (monkeys)
- R01HD-04482-05 Endocrine factors in social behavior (deves)
- R01HD-04629-04 Assessment of skeletal maturity (human)

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- ** RO1HD-04683-05 Fetal sexual differentiation (rats)
 RO1HD-04688-05 Effects of prepubertal stress on adult sexual behavior (rats)
 PO1HD-05077-05 0007 Reproductive biochemistry and medicine - Positive feedback of estrogens and progesterone on LH (human, monkeys)
 PO1HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
 PO1HD-05671-03 0001 Center for population research - Corpus luteum function in Rhesus monkeys
 PO1HD-05671-03 0043 Center for population research - Physiological factors affecting male fertility (guinea pigs, rats)
 ** RO1HD-05758-03 Mechanisms of sex differences in immunity (mice)
 PO1HD-05876-03 0030 Center for population research - Demography of the life cycle
 PO1HD-05876-03 0033 Center for population research - Problems and policy including legislation
 PO1HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 PO1HD-05969-03 0010 Events that control fertilization - Reproductive behavior in a feral troop of Japanese macaques
 RO1HD-06264-03 Sociopsychological aspects of premarital conception
 PO1HD-06276-03 0019 Mental retardation research program - Temperal organization of voluntary behavior (children)
 ** PO1HD-06276-03 0020 Mental retardation research program - Biological basis of sex difference in cognitive stage (children)
 ** RO1HD-06438-02 Female occupational structure-determinants and trends
 RO1HD-06666-01 Carolina infant vocalization project
 ** RO1HD-06672-03 Alterations in the mechanism of estrogen action (rats)
 RO1HD-06720-02 Fetal hypophyseal-gonadal relationships
 ** RO1HD-06760-03 Neural control of sexual behavior in the rat
 RO1HD-06792-03 Effect of sibling position on fertility rates (human)
 RO1HD-06926-01 Neural regulation of sex behavior in the female (rats)
 RO1HD-06971-02 Observed paternal behavior with preschool children
 ** RO1HD-07071-01 Biochemical factors in behavioral sex differences
 RO1HD-07075-01 0004 Reading, crossmodal transfer and stimulus control - Letter and word reversals in reading and writing (children)
 RO1HD-07134-02 Variations in postnatal ossification sequence
 RO1HD-07188-01 Ethnography of poor black women
 RO1HD-07201-01 Influence of mother and sib on child's problem solving
 ** RO1HD-07334-01 Fertility, productivity and labor force participation (women in academia)
 RO1HD-07369-01 Generality and correlates of egocentrism in children
 RO1HD-07396-02 Household formation, fertility, and market activity
 ** RO1HD-07412-02 Fertility motivation and career conflict in women
 PO1HD-07495-02 0005 Center for population research, studies in reproductive biology - Brain receptors for steroid hormones (rats)
 RO1HD-07496-01 Environmental and hormonal control of estrus (hamsters)
 RO1HD-07552-02 Economic study of fertility decline in postwar Japan
 PO1HD-07578-01 0001 Growth and nutrition of normal infants - Normative data (human)
 RO1HD-07658-01 Steroid hormones and fetal development (primates)
 RO1HD-07682-02 Differential fertility in the United States, 1960-1070
 RO1HD-07755-01 Learning and psychophysiological studies in the aged
 ** RO1HD-07957-01 Fertility and achievement of women college graduates
 ** RO1HD-08206-01 Sex differences in instrumental behavior (rats, hamsters)
 RO1HD-08364-01 Sex hormones and development of the gonadotrophic axis (rats, mice)
 RO1HD-08436-02 Estrogen receptors and reproductive function (rats)
 RO1HD-08524-01 Family planning program and fertility in UP, India
 RO1HD-08546-01 Crowding and development of spatial behavior (adults, children)
 RO1HD-08577-01 Cross-cultural study of treatment of the aged
 RO1HD-08952-01 Locus of control, aspiration and competence in children
 NO1HD-12234-04 Contraceptive development studies for males (human)
 NO1HD-22703-05 Psychological studies of social norms influencing family size
 NO1HD-42854-00 Economic, age structure and sex role in American natality trends
 RO1HL-03299-17 Dietary effects on cholesterol metabolism (rats, rabbits)
 RO1HL-03341-17 Epidemiology of atherosclerosis in Evans Co Georgia
 RO1HL-04697-15 International heart disease epidemiology (human)
 RO1HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
 PO1HL-08974-10 0001 Natural and experimental atherosclerosis - Coronary artery lesions and operability for stenotic coronary disease (human)
 PO1HL-08974-10 0002 Natural and experimental atherosclerosis - Geographical pathology of cerebral atherosclerosis (human)
 PO1HL-08974-10 0011 Natural and experimental atherosclerosis - Geographic pathology and natural history of human atherosclerosis
 PO1HL-08974-10 0012 Natural and experimental atherosclerosis - Studies on material collected in the IAP (human)
 PO1HL-09814-09 0011 Research program - Cardiovascular and related disease - Habitual physical activity, work capacity and exercise physiology (human)
 RO1HL-10233-09 Cooperative study of drugs and coronary heart disease (human)
 RO1HL-10353-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10441-09 Cooperative study of drugs and coronary heart disease (men)
 ** RO1HL-10444-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10446-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10515-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-10696-09 Cooperative study of drugs and coronary heart disease (men)
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 RO1HL-10698-09 Cooperative study of drugs and coronary heart disease (men)
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 RO1HL-10703-09 Cooperative study of drugs and coronary heart disease (men)
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 RO1HL-10898-07 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11039-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11040-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11063-08 Cooperative study of drugs and coronary heart disease (men)
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 RO1HL-11376-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11377-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11380-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11391-07 Experimental basis for shock therapy(rats, human)
 RO1HL-11458-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11655-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11660-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11661-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11663-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11898-07 Cooperative study of drugs and coronary heart disease
 RO1HL-12399-09 Specific fatty acids and cholesterol metabolism (gerbils, monkeys)
 RO1HL-12745-06 0004 Enzymes and inhibitors of cholesterol biosynthesis - Leukocyte monitoring of lipid metabolism and anticholesterol drugs (human)
 PO1HL-13517-04 0001 Circulatory performance and prediction - Exercise and ECG cardiovascular mechanisms of anaerobic impairment (human)
 PO1HL-13517-04 0014 Circulatory performance and prediction - Baroreceptor reflexes in man (and animals)
 P17HL-14164-04 0022 Arteriosclerosis research center - Comparative medicine core laboratories (monkeys, pigeons)
 RO1HL-14297-03 The arteriolar basis for microcirculatory disorders (human)
 RO1HL-14487-01 Hypertension in the young inner city female
 M PO1HL-14734-03 Hormonal factors in atherosclerosis and hyperlipemia
 PO1HL-14780-02 0028 Mechanisms and treatment of cardiovascular diseases - Evaluation of surgical intervention in coronary artery disease (human)
 RO1HL-14905-03 Cardiac function and prognosis of coronary disease (human)
 RO1HL-14927-03 Cardiac function and prognosis of coronary disease (human)
 RO1HL-14928-03 Cardiac function and prognosis of coronary disease (human)
 P17HL-15103-03 0008 Specialized center of research-arteriosclerosis - Community pathology-Children
 P18HL-15161-03 0006 Comprehensive sickle cell disease center - Morbidity of sickle cell trait (human)
 P18HL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)
 P18HL-15165-03 0001 Comprehensive sickle cell disease center - Feasibility and effectiveness of community education, screening, and counseling
 P18HL-15166-03 0005 Comprehensive sickle cell disease center - Clinical significance of hemoglobin isoalleles (human)
 RO1HL-15304-02 Spontaneous arteriosclerosis-Ground substance changes ()
 RO1HL-15382-03 Cooperative study of drugs and coronary heart disease (men)
 PO1HL-15914-01 Experimental atherosclerosis in baboons
 P18HL-15997-02 0008 A comprehensive hospital-community sickle cell center - Sickle cell anemia information and testing service (human)
 RO1HL-17239-01 Enzymes for lecithin synthesis in neonatal human lung
 NO1HR-42912-00 Population studies on respiratory diseases
 ** PO1HS-00110-11 0020 Medical care and patient care research program (human) - Continuity of care
 NO1HV-12307-05 Examine adult male twins (human)
 NO1HV-22976-03 Multiple risk factor intervention trial, prevention of coronary heart disease
 NO1HV-22977-05 Multiple risk factor intervention trial, prevention of coronary heart disease
 NO1HV-22978-05 Multiple risk factor intervention trial, prevention of coronary heart disease
 NO1HV-22979-03 Multiple risk factor intervention trial, prevention of coronary heart disease
 NO1HV-22980-03 Multiple risk factor intervention trial for coronary heart disease prevention
 NO1HV-22981-04 Multiple risk factor intervention trial, prevention of coronary heart disease
 NO1HV-22929-00 Risk factor intervention trial for the prevention of CHD (human)
 NO1HV-42930-00 Risk factor intervention trial for the prevention of CHD (human)
 NO1HV-42931-00 Risk factor intervention trial for the prevention of CHD (human)
 NO1HV-42932-00 Risk factor intervention trial for the prevention of CHD (human)
 RO1MH-02238-15 Childrens achievement development
 RO1MH-03372-15 0039 Neural mechanisms in behavior - Lateral dominance and development of cerebral specialization (human)
 RO1MH-04665-14 Childrens psychopharmacology unit
 RO1MH-05115-13 Measurement and studies of ego development
 PO1MH-08667-10 0019 A longitudinal epidemiology of impaired competence - Application of biostatistical methodology to personal classification - turnover
 RO1MH-08958-10 Early drug evaluation in neurotic outpatients
 ** RO1MH-11547-06 Parental factors and schizophrenia
 PO1MH-11668-09 0026 Psychosocial factors in health and disease - Women with ischemic stroke

(cont'd)

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- ** P01MH-11668-09 0048 Psychosocial factors in health and disease 2 Arteriosclerosis—Women with myocardial infarction
 R01MH-11894-09 0006 Comprehensive behavioral studies - Social attachment (Rhesus monkeys)
 R01MH-12507-09 Electrophysiological studies of psychiatric disorder
 P01MH-12972-08 0007 Research program in personality assessment - A biosocial approach to morphological measurement (human)
 P01MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men
 P01MH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder
 R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
 R01MH-15521-06 Problem solving behavior of family groups (human)
 R01MH-15708-05 Leisure and mental health—Cultural and age factors
 R01MH-15965-04 Infant attachment and maternal loss (monkeys)
 ** R01MH-15985-06 Intervention in low base rate asocial behaviors of boys
 R01MH-16037-06 Home learning center approach to early stimulation (children)
 R01MH-16080-06 Ego development and the provenance of thought
 R01MH-18051-04 Aging and the use of community resources (human)
 R01MH-18260-05 Psychiatric impairment in urban children over time
 R01MH-18332-05 Temporal organization in behavior and development (human)
 R01MH-18864-04 Epidemiology of achievement and psychiatric status
 R01MH-19506-03 0001 Hormones, the brain and primate behavior - Relationship between sexual initiating behavior and motivational state
 R01MH-19506-03 0002 Hormones, the brain and primate behavior - Relation between hormonal status and agonistic behavior
 R01MH-19506-03 0004 Hormones, the brain and primate behavior - Relation between sexual invitations and aggression
 R01MH-19589-01 Comparative study of communal living arrangements
 R01MH-19617-04 Quantitative studies of primate social groups (baboons)
 P01MH-19966-03 0007 Psychiatric epidemiology research unit and two field studies - Chronic hospitalization
 R01MH-20660-03 Physical distance and social interactions (human)
 R01MH-20922-04 Training parents in management of antisocial boys
 R01MH-21076-02 Courtship in periodical cicadas
 R01MH-21133-03 Plasma levels of imipramine and clinical outcome (human)
 R01MH-21145-02 Adjustment of children of schizophrenic parents
 R01MH-21312-03 0011 Endocrinological determinants of behavior - Effect of testosterone of infant female (monkeys, guinea pigs)
 ** R01MH-21312-03 0014 Endocrinological determinants of behavior - Gender role characteristics and social context (rhesus monkeys)
 R01MH-21312-03 0015 Endocrinological determinants of behavior - Development of dimorphic behaviors in castrated male rhesus
 R01MH-21312-03 0016 Endocrinological determinants of behavior - Quantitative parameters of male sexual response (rhesus monkeys)
 R01MH-21312-03 0018 Endocrinological determinants of behavior - Cortical mapping of penile representation to tactile stimulation (guinea pigs)
 R01MH-21312-03 0019 Endocrinological determinants of behavior - The nature of estrogen conditioning in the female primate (rhesus monkeys)
 R01MH-21312-03 0021 Endocrinological determinants of behavior - Endocrine influences on motivational systems in the female (monkeys)
 R01MH-21312-03 0023 Endocrinological determinants of behavior - Facilitation and inhibition of female guinea pigs with progesterone
 R01MH-21724-02 Sub-cultural conceptions of mental illness
 ** R01MH-21735-03 The behavioral consequences of androgyny (human)
 R01MH-21803-02 Behavioral treatment of childhood gender problems
 R01MH-21854-02 Social antecedents of acts of interpersonal violence
 ** R01MH-21929-02 Volunteerism in the lives of women
 R01MH-22156-02 The inexpressive male (human)
 R01MH-22590-02 Impact of instruction and counseling of youth
 R01MH-22640-02 0001 Regulation of primate behavior - Development of sexual behavior in the male pigtail macaque
 R01MH-22640-02 0002 Regulation of primate behavior - Effect of menstrual cycle on sexual interactions in pigtail and bonnet macaques
 R01MH-22640-02 0003 Regulation of primate behavior - Hormones and sexual behavior in bonnet and pigtail macaques
 R01MH-22807-01 An experimental evaluation of a PARD program
 R01MH-22891-02 Crisis intervention by the use of telephone therapy
 R01MH-23030-02 Structure, functions, and impact on urban communes
 ** R01MH-23542-02 Structural origins of sex differences in achievement (England)
 ** R01MH-23786-01 Changing urban family roles
 R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)
 ** R01MH-24032-01 The hormonal determinants of behavior (rats)
 ** R01MH-24305-02 A typical sex role development in children
 R01MH-24492-01 Development of semantic and visual organization
 ** R03MH-24550-01 Sex differences in reward distribution behavior
 ** R03MH-24556-01 Construct validation of fear of success in females
 R01MH-24597-01 Chicane drop-outs in higher education
 R03MH-24725-01 A model relating attitudes and behavior
 R01MH-24807-01 Marriage, female roles, and marital disruption
 R01MH-24849-01 Development of self recognition in infancy
 R01MH-24862-01 The economy in urban working class communities
 R01MH-24872-01 47,XXY and 47,XXY males' neurophysiological behavior (human)
 R01MH-24887-01 Attitudes of married women towards work and families
 R03MH-25016-01 Effect of mass media on children's sex role behaviors
 R03MH-25191-01 Neural loci of hormone action in behavior (mice)
 R01MH-25215-01 Patterns of competence in pre-school girls
 R01MH-25227-01 Determinants of aggressive behaviors in children
 ** R01MH-25271-01 Secondary analysis of sex roles data (human)
 R03MH-25507-01 Pheromones and behavior (mice)
 R03MH-25779-01 Change in a correctional facility for delinquents
 R13MH-25786-01 Miniconsultation on the mental and physical health of black women
 R03MH-25828-01 Hormones and behavior (doves, rats)
 R03MH-26004-01 Silver Valley flood—Social psychological effects
 R01MH-26130-01 Psychological impact of rape on the victim
 ** R01MH-30247-00 Monograph of female delinquency and crime
 ** R01MH-40044-00 Institutional change in regard to racial minority and women in NIMH
 R01MH-40081-00 Placement needs of state mental hospital patients
 R01NS-03166-14 EEG studies in newborn and young infants (human)
 P01NS-06459-09 0051 Communication sciences - Research on vocal registers (human)
 R01NS-08677-06 Light—Neural control endocrine function (rats, monkeys)
 R01NS-09437-03 Acute treatment of ruptured intracranial aneurysms (human)
 R01NS-09694-03 Studies of communication (dolphin)
 R01NS-10027-03 0001 Neuroendocrine and behavioral correlates of aging - Ovarian hormones in development, systems mediating sex behavior (rats)
 R01NS-10027-03 0003 Neuroendocrine and behavioral correlates of aging - Aging process in systems mediating sexual behavior (rats)
 R01NS-10027-03 0005 Neuroendocrine and behavioral correlates of aging - Karyometrics after administration of steroid hormones during development (rats)
 R01NS-10027-03 0006 Neuroendocrine and behavioral correlates of aging - Influence of exposure to ovarian hormones prepuberally (rats)
 R01NS-11343-01 Hormonal action on central nervous system (rats, frogs)
 R01NS-11507-01 Central nervous regeneration—Hormonal influences (cats, rats)
 ** P01NS-11631-01 0059 Clinical center for research on Parkinson's and allied diseases - Sex difference in alcohol metabolism (mice)
 R01NS-11639-01 Hemispheric specialization for cognitive mode
 R01NS-22319-02 Risk factors for stroke
 R02NU-00434-02 Upper extremity positioning of stroke patients
 R01OH-00308-18 Evaluation of stresses of exposure to heat in humans
 M01RR-00031-14 0018 General clinical research center - Trophoblastic neoplasms of gestational origin (human)
 M01RR-00037-14 0125 General clinical research center - Responses to maximal exercise in middle-aged women
 M01RR-00040-14 0100 General clinical research center - Studies of FSH and LH secretion (human)
 ** M01RR-00043-14 0011 General clinical research center - Regulation of gonadotropins in male (human)
 ** M01RR-00053-13 0047 Clinical research center - Oxidation of testosterone in man—Absence of a sex difference
 M01RR-00053-13 0048 Clinical research center - Plasma and urinary testosterone levels in depressed men
 ** M01RR-00053-13 0072 Clinical research center - Sex differences in hormone metabolism (human)
 M01RR-00053-13 0078 Clinical research center - Hormone metabolism in diabetes mellitus (human)
 ** M01RR-00053-13 0088 General clinical research center - Relationship of androgens to female infertility (human)
 M01RR-00069-12 0042 General clinical research center, children - Phenylketonuria collaborative study
 ** M01RR-00070-12 0099 General clinical research center - Sex differences in kinetics of triglyceride metabolism (human)
 M01RR-00075-11 0038 General clinical research center for children - Pituitary-gonadal interrelationship
 M01RR-00080-12 0045 General clinical research center - Maturation in gonadal dysgenesis and effects of estrogens (human)
 M01RR-00084-12 0031 General clinical research center - Control factors in timing of sexual maturation
 M01RR-00210-10 0001 General clinical research center - Maternal-child - Long infusion of H3 pregnenolone (human)
 ** M01RR-00210-10 0004 General clinical research center - Maternal-child - Pregnenolone sulfate production (human)
 P07RR-00267-09 0103 Biomedical data processing unit - Coronary prevention project
 ** P07RR-00267-09 0110 Biomedical data processing unit - Two-sex models of population growth
 M01RR-00425-06 0069 General clinical research center - Hypothalamic-pituitary function in Parkinson's disease treated with L-Dopa (human)
 ** M01RR-00533-06 0013 General clinical research center, adult - Body composition and metabolic changes in starvation
 M01RR-00626-02 0072 General clinical research center - Short term effects of sexual arousal on testosterone in homo and heterosexual men
 M01RR-00628-04 0059 General clinical research center for children - Quingestanol acetate metabolism in women
 M01RR-00633-02 0007 General clinical research center - Effects of testosterone in male pseudohermaphroditism (human)
 M01RR-00633-02 0054 General clinical research center - Iron utilization in severely anemic females (human)
 M01RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males

SEX BEHAVIOR

SEE PSYCHOLOGY, BEHAVIOR, SEX

SEX CHROMOSOMES

SEE GENETICS, CHROMOSOMES, SEX CHROMOSOMES

SEX CONVERSION SURGERY

SEE REPRODUCTIVE SYSTEM SURGERY, SEX REASSIGNMENT

SEX CYCLES

SEE FERTILITY, SEX CYCLES

SEX DETERMINATION

SEE GENETICS, SEX DETERMINATION

SEX DEVIATION

SEE PSYCHOLOGY ABNORMAL, SEX DEVIATION

SEX DIFFERENCE

SEE SEX, SEX DIFFERENCE

SEX DIFFERENTIATION DISORDERS

SEE REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS

SEX DISORDERS

R01GM-07495-13 The genetics and physiology of behavioral differences (mice)

** R01HD-02335-09 0005 Hormonal effects on growth and maturation - Sex chromosome abnormalities (human)

** R01HD-04688-05 Effects of prepubertal stress on adult sexual behavior (rats)

R01HD-07351-02 Determinants of sexual performance in the rat

R12MH-19348-04 Core support program for research dissemination

** R01MH-26232-01 Behavioral approach to marital dysfunction

M01MH-40050-00 Conduct of a workshop on human sexuality

SEX DISORDERS, FRIGIDITY

R01MH-26232-01 Behavioral approach to marital dysfunction

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

SEX DISORDERS, IMPOTENCE

- ** R01HD-07351-02 Determinants of sexual performance in the rat
 R10MH-11468-09 0031 Psychopharmacology research center - Clinical pharmacology of DL-PCA
 R01MH-26232-01 Behavioral approach to marital dysfunction
 M01RR-00053-13 0082 Clinical research center - Syndrome of adrenal hyperplasia with feminization and hyperprolactinemia (human)

SEX EDUCATION

SEE EDUCATION, SEX EDUCATION

SEX FACTOR

SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, EPISOMES, SEX FACTOR

SEX HORMONES

SEE REPRODUCTIVE HORMONES, SEX HORMONES

SEX HORMONES ANALOGS

SEE REPRODUCTIVE HORMONES, SEX HORMONES ANALOGS

SEX OFFENSES

SEE PSYCHOLOGY ABNORMAL, SEX OFFENSES

SEX REASSIGNMENT SURGERY

SEE REPRODUCTIVE SYSTEM SURGERY, SEX REASSIGNMENT

SEXUAL PRECOCITY

SEE REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, PUBERTY PRECOCIOUS

SEXUAL STERILIZATION

SEE FERTILITY, STERILIZATION SEXUAL

SHARED SERVICES, HOSPITALS AND OTHER FACILITIES

SEE HEALTH CARE SERVICES, SHARED SERVICES

SHARKS

SEE FISH, ELASMOBRANCHS*

SHEEHAN'S SYNDROME

SEE PITUITARY GLAND DISORDERS, HYPOPHYSECTOMY, SHEEHAN'S SYNDROME

SHEEP

SEE MAMMALS, UNGULATES, SHEEP*

SHELLFISH POISONING PARALYTIC

SEE TOXICOLOGY, PROTOZOAL TOXINS, SAKITOXIN

SHELTERED CARE INSTITUTIONS

SEE HEALTH CARE FACILITIES, RESIDENTIAL

SHELTERED EMPLOYMENT

SEE HEALTH CARE FACILITIES, SHELTERED EMPLOYMENT

SHIGELLA

SEE BACTERIA, ENTEROBACTERIACEAE, SHIGELLA*

SHIKIMIC ACID

SEE CYCLOHEXANE(ENE) CARBOXYLIC ACIDS, SHIKIMIC ACID

SHIVERING

SEE TEMPERATURE (BODY) REGULATION

SHOCK

SEE INJURIES, SHOCK

SHOCK, ANAPHYLACTIC

SEE HYPERSENSITIVITY, ANAPHYLAXIS

SHOCK, CARIOGENIC

SEE HEART DISORDERS, CARIOGENIC SHOCK

SHOCK, EMOTIONAL, PSYCHIC

SEE PSYCHIC SHOCK

SHOCK, HEMORRHAGIC

SEE CARDIOVASCULAR DISORDERS, HEMORRHAGIC SHOCK

SHOCK, LUNG

SEE RESPIRATORY DISORDERS, RESPIRATORY INSUFFICIENCY, SHOCK LUNG

SHOCK, SEPTICEMIC

SEE BLOOD TOXICOLOGY, BACTEREMIA - SEPTICEMIA

SHOCK, SPINAL

SEE NERVOUS DISORDERS CENTRAL, SPINAL SHOCK

SHOCK THERAPY, ELECTRICAL

SEE PSYCHIATRIC SOMATIC THERAPY, SHOCK THERAPY, ELECTRICAL

SHOCK THERAPY, INSULIN

SEE PSYCHIATRIC SOMATIC THERAPY, SHOCK THERAPY, INSULIN

SHOPE FIBROMA VIRUS

SEE VIRUSES, POXVIRUSES, SHOPE FIBROMA VIRUS

SHOPE PAPILLOMA

SEE SKIN NEOPLASMS, PAPILLOMA SHOPE

SHOPE PAPILLOMA VIRUS

SEE VIRUSES, PAPOVAVIRUSES, PAPILLOMA VIRUS RABBIT

SHORT BOWEL SYNDROME CONGENITAL

SEE CONGENITAL ABNORMALITIES, GASTROINTESTINAL, SHORT BOWEL SYNDROME

SHORT TERM MEMORY

SEE PSYCHOLOGY, LEARNING, MEMORY, SHORT TERM

SHOULDER (GIRDLE) INJURIES

SEE INJURIES, SHOULDER

SHOWDOMYCIN

SEE ANTIBIOTICS, SHOWDOMYCIN

SHRIMP

SEE ARTHROPODS, CRUSTACEANS, MALACOSTRACA, DECAPODS*

SHUNTS, ARTERIOVENOUS ABNORMAL

SEE CARDIOVASCULAR DISORDERS, ARTERIOVENOUS SHUNTS ABNORMAL

SHUNTS, ARTERIOVENOUS NORMAL

SEE CARDIOVASCULAR SYSTEM, ARTERIOVENOUS ANASTOMOSIS NORMAL

SHUNTS, CARDIOVASCULAR ABNORMAL

SEE CONGENITAL ABNORMALITIES, CARDIOVASCULAR SHUNTS ABNORMAL

SHUNTS, CARDIOVASCULAR SURGICAL

SEE CARDIOVASCULAR SURGERY, CARDIOVASCULAR SHUNTS

SHUNTS, COLLATERAL CIRCULATION NORMAL

SEE CARDIOVASCULAR SYSTEM, BLOOD SUPPLY, COLLATERAL CIRCULATION

SHUNTS, HEART BYPASS SURGICAL

SEE CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, HEART BYPASS SURGICAL

SHUNTS, HEART-LUNG BYPASS

SEE CARDIOVASCULAR SURGERY, CIRCULATORY ASSIST, HEART-LUNG BYPASS

SHUNTS, HEART SEPTAL DEFECTS

SEE CONGENITAL ABNORMALITIES, HEART SEPTAL DEFECTS

SHWARTZMAN PHENOMENON

SEE HYPERSENSITIVITY, ANAPHYLAXIS, SHWARTZMAN PHENOMENON

SIALIC ACIDS

SEE SUGAR ACIDS, SIALIC ACIDS

SIALIDASE

SEE CARBOHYDRASES, NEURAMINIDASE

SIALOADENECTOMY

SEE ORAL SURGERY, SIALOADENECTOMY

SIBLING ORDER, POSITION

SEE FAMILY, SIBLING ORDER

SIBLING RELATIONS

SEE FAMILY, SIBLING RELATIONS

SICKLE CELL ANEMIA

SEE HEMOPROTEINS, HEMOGLOBINOPATHIES, SICKLE CELL ANEMIA

SICKLE CELL CRISIS

SEE HEMOPROTEINS, HEMOGLOBINOPATHIES, SICKLE CELL CRISIS

SICKLING INHIBITORS

SEE HEMOPROTEINS, HEMOGLOBINOPATHIES, SICKLING INHIBITORS

SIDEROBLASTIC ANEMIA

SEE BLOOD AND RE DISORDERS, ANEMIA SIDEROBLASTIC

SIDEROCYTIC ANEMIA, HEREDITARY

SEE METABOLIC DISORDERS INBORN, SIDEROCYTIC ANEMIA HEREDITARY

SIDEROPHILIN

SEE METALLOPROTEINS, TRANSFERRIN

SIDEROSIS

SEE IRON DISORDERS AND IMBALANCES, SIDEROSIS

SIDS

SEE INFANT MORTALITY, CRIB DEATH

SIEVES, MOLECULAR

SEE PHYSICAL SEPARATION, MOLECULAR SIEVES*

SIGHT FOR THE BLIND

SEE EYE DISORDERS, AIDS FOR THE BLIND, SUBSTITUTE SIGHT

SIGMA FACTOR

SEE VIRUSES OF INSECTS, SIGMA FACTOR

SIGNS AND SYMPTOMS (NOT GROUPED ELSEWHERE)

SEE DISEASES, SIGNS-SYMPTOMS (NOT GROUPED ELSEWHERE)

SILAGE

SEE FOOD, ANIMAL FEEDS, SILAGE

SILANES

** P01GM-13901-08 0013 Analytical biochemistry for human studies - Mass spectrometry of tetramethylsilane

SILASTIC

SEE PLASTICS, SILICONE RUBBER

SILICATES

SEE ALSO CLAYS

- P02AM-13083-06 0051 Organ transplantation - Immunosuppressive effects of macrophage lysis (mice)
 P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 P02CA-13696-02 0028 Clinical cancer research center - Neurobiology of CNS tumors-Supersensitive categorization (dogs, human)
 ** R01DE-03504-06 Clinical study of dental materials and techniques (human, monkeys)
 P10ES-00002-12 0012 Occupational and environmental health - Alveolar macrophages (rats, hamsters, rabbits, cats)
 P10ES-00159-09 0023 Center for study of the human environment - Ability of impaired lung to eliminate inhaled dust
 P10ES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
 P10ES-00210-07 0031 Center for environmental management - Adsorption of tritium labeled Q-beta virus in powdered silica
 ** P10ES-00928-01 0001 Environmental agents-Relation to human health effects - Silicate dusts and concurrent smoking
 ** R01GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
 R01GM-18813-03 Crystallography of organic disulfide-metal complexes
 P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
 ** P17HL-15092-03 0002 Occupational environmental pulmonary disease center - Accelerated silicosis in sandblasters
 R01OH-00342-04 Effects of environmental pollutants in rodents (rats)
 R01OH-00387-03 Accelerated silicosis in sandblasters (human)
 R01OH-00456-01 Better foundry hygiene through permanent mold casting
- SILICATES, ASBESTOS**
 R01CA-13232-03 New animal models of chemical carcinogenesis (Syrian hamsters)
 ** R26CA-16762-01 Pathogenesis of asbestos related bowel cancer (human, rats)
 ** N01CN-45066-00 Tyler asbestos workers study
 ** R01ES-00752-03 Asbestos air pollution-Extent, persistence, effects (human)
 R01ES-00797-01 Inorganic particles in cigarettes and cigarette smoke
 P10ES-00928-01 0004 Environmental agents-Relation to human health effects - Less common cancers in asbestos workers-Multiple factor etiology
 P10ES-00928-01 0008 Environmental agents-Relation to human health effects - Inorganic microparticles and colon cancer (human)
 P10ES-00928-01 0010 Environmental agents-Relation to human health effects - Surface interactions between Gross leukemia virus and asbestos
 P10ES-00928-01 0012 Environmental agents-Relation to human health effects - Low-level, intermittent occupational exposure to talc dust
 P10ES-00928-01 0019 Environmental agents-Relation to human health effects - Lung burden of talc among urban dwellers (human)
 ** P10ES-00928-01 0023 Environmental agents-Relation to human health effects - Asbestos lung burden in environmental mesothelioma (human)
 ** P10ES-00928-01 0024 Environmental agents-Relation to human health effects - Asbestos from new or previously unrecognized sources
 ** P10ES-00928-01 0025 Environmental agents-Relation to human health effects - Asbestos levels in talcs for consumer use
 ** P10ES-00928-01 0026 Environmental agents-Relation to human health effects - Mesothelioma in U.S. shippers
 P10ES-00928-01 0027 Environmental agents-Relation to human health effects - Mesothelioma in New Jersey, 1973-1975 (human)
 P10ES-00928-01 0031 Environmental agents-Relation to human health effects - Inorganic microparticles in brain tissue (human)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P10ES-00928-01 0033 Environmental agents-Relation to human health effects - Detection levels of asbestos in talcs
- ** M01ES-42149-00 Biologic specimens exposed to orally ingested asbestos fibers
- ** P17HL-15063-03 0002 SCOR diffuse infiltrati ve lung disease - Asbestosis (human)
- ** P17HL-15092-03 0001 Occupational environmental pulmonary disease center - Dust exposure in manufacture of asbestos cement and construction product (human)
- ** R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers
- R01OH-00334-05 Air pollution and lung clearance of particles

SILICATES, GLASS

- P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
- R01CA-10712-07 Foreign body tumorigenesis (mice)
- P01CA-13343-02 0011 Environmental cancer - Experimental oncology (hamsters, mice, rats)
- R23DE-03495-03 Develop glass ceramics for dental prostheses
- P10ES-00260-12 0009 Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
- R01ES-00797-01 Inorganic particles in cigarettes and cigarette smoke
- R01EY-00892-02 Dynamic fracture studies of ophthalmic lenses
- P01GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
- P01GM-21056-01 0001 Interfacial behavior of biomaterials - Materials design, development and characterization
- P01GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
- P01GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
- P01GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
- P01GM-21056-01 0007 Interfacial behavior of biomaterials - Materials surfaces for hyperlipidemia detection
- P01GM-21056-01 0008 Interfacial behavior of biomaterials - Artificial corneas (rabbits, monkeys)
- P01GM-21056-01 0011 Interfacial behavior of biomaterials - Fixation of joint prostheses (monkeys)
- P01GM-21056-01 0012 Interfacial behavior of biomaterials - Middle ear prostheses (monkeys, human)
- P01HL-06350-13 0007 Hemostasis research program project - Platelet function (human)

SILICON

- ** R01AM-16611-01 Determine the physiological role of silicone (chickens, rats, human)
- M01AM-42214-00 Trace element abnormalities in children with chronic renal failure
- R23DE-03495-03 Develop glass ceramics for dental prostheses
- P10ES-00260-12 0016 Research in the environmental health sciences - Airborne and settled dust and human tissue burden in New York City
- R01ES-00797-01 Inorganic particles in cigarettes and cigarette smoke
- P10ES-00928-01 0003 Environmental agents-Relation to human health effects - Silica exposure with alkalies and acids-Abrasive soap pneumoconiosis (human)
- R01EY-00327-09 Synthetic hydrophilic polymers for eye surgery (rabbits, cattle)
- P01GM-14267-09 0003 Microelectronics laboratory for biomedical science - Medical transducers
- P01GM-16436-06 0037 Bioengineering program project - Synthetic biomaterials
- P01GM-16593-06 0004 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Contrast media design and development II (rats, dogs)
- P01GM-17940-04 0001 Integrated electronics for medical applications - Large scale integration
- P01GM-17940-04 0002 Integrated electronics for medical applications - Integrated circuit transducers (cats)
- P01GM-17940-04 0003 Integrated electronics for medical applications - Telemetry (dogs)
- P01GM-17940-04 0004 Integrated electronics for medical applications - Advanced technology
- ** M01HB-32949-02 Modification of silicon elastomers for medical devices
- R01NS-09760-04 Studies in aging of the brain (human)
- P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory

SILICON, RADIOLABELED
SEE RADIOLABELED SILICON***SILICON TETRAHYDRIDE**
SEE SILANES**SILICONE RUBBER**
SEE PLASTICS, SILICONE RUBBER**SILKWORMS**
SEE ARTHROPODS, INSECTS, LEPIDOPTERA, BOMBYCIDS***SILVER (COMPOUNDS)**

SEE METALS, HEAVY METALS, SILVER

SILVER IMPREGNATION TECHNIQUES

SEE TISSUE AND CELL PREPARATION, SILVER IMPREGNATION TECHNIQUES

SILVER POISONING

SEE METALS POISONING, ARGYRIA

SIMIAN MYXOVIRUSES

SEE VIRUSES, MYXOVIRUSES, SIMIAN

SIMIAN VIRUSES

SEE VIRUSES, SIMIAN VIRUSES

SIMIAN VIRUS SV40

SEE VIRUSES, PAPAPOVIRUSES, SV40 VIRUS

SIMMONDS DISEASE

SEE PITUITARY GLAND DISORDERS, HYPOPHYSITARISM

SIMPLE SOCIETIES

SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE, SIMPLE SOCIETIES

SIMULIDS

SEE ARTHROPODS, INSECTS, DIPTERA, SIMULIDS*

SINDBIS VIRUS

SEE VIRUSES, ARBOVIRUSES A, SINDBIS VIRUS

SINGLE CELL ANALYSIS

SEE CELLS, SINGLE CELL ANALYSIS

SINGLE PERSON

SEE FAMILY, SINGLE PERSON

SINGLE UNIT TRAINING (AUTOGENIC)

SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC

SINGLET STATE

SEE ELECTRONIC SPECTRA, SINGLET STATE

SINO-ATRIAL NODE

SEE HEART, CONDUCTION SYSTEM, SINO-ATRIAL NODE

SINUSES (PARANASAL)

SEE NASAL, PARANASAL SINUSES

SINUSITIS

SEE NASAL DISORDERS, SINUSITIS

SIPHONAPTERA

SEE ARTHROPODS, INSECTS, SIPHONAPTERA*

SITOSTEROL

SEE CHOLESTANE SERIES, SITOSTEROL

BETA-SITOSTEROL

SEE CHOLESTANE SERIES, BETA-SITOSTEROL

SJOGREN'S SYNDROME

SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

SKATES

SEE FISH, ELASMOBRANCHS*

SKELETAL DISORDERS (GENERAL)

SEE ALSO INJURIES, SKELETAL

- ** R01AM-00149-22 0004 Mucopolysaccharides in skeletal growth disorders - Iliac crest cartilage from children with skeletal growth disorders
- R01ES-00831-01 Rapid screening for lead poisoning (human)
- P01HD-02274-08 0002 Mental retardation and child development - Neuroembryology (human)
- R01HD-07134-02 Variations in postnatal ossification sequence
- ** P01MH-17565-03 0009 Genetics of the XYY phenomena in man - Radiographic studies in XYY individuals
- ** M01RR-00046-14 0036 General clinical research center - Calcitonin in disorders of calcium and skeletal metabolism (human)

SKELETAL DISORDERS, ANKYLOSIS

SEE ALSO SKELETAL DISORDERS, SPONDYLOSIS

- P01AI-11313-02 0001 Humoral, cellular and genetic mechanisms in autoimmunity - Information handling in clinical research (human)
- P01DE-02918-06 0011 Oral-facial growth and development in primates - Unilateral condylar hypoplasia and facial symmetry (M nemestrina)
- P01DE-03568-01 0004 Craniofacial anomalies-etiology and treatment - Underdevelopment of the mandible
- SKELETAL DISORDERS, ARTHRITIS**
- SEE ALSO METABOLIC DISORDERS INBORN, PSEUDOGOUT
- SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT
- SEE ALSO SKELETAL DISORDERS, SYNOVITIS
- R01AI-12081-01 Pathology of experimental mycoplasma infection (chickens, guinea pigs)
- R01AF-12186-01 Diagnostic significance-Antibody response to gonorrhoea (human)
- P01AI-12192-01 0001 Venereal disease research - Clinical pathology and pathogenesis of gonorrhoea

- P01AI-12192-01 0006 Venereal disease research - CMV, HSV, chlamydia, cohort study of infection and disease
- ** R01AM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
- ** P01AM-01431-18 0005 Rheumatic diseases - Cellular immunology (rats)
- P01AM-03564-15 0014 Mesenchymal tissues and their diseases - Receptor for homocytotropic antibodies (rats)
- P01AM-03564-15 0016 Mesenchymal tissues and their diseases - Structure and denaturation of proteins
- ** R01AM-06450-12 Mycoplasma, L forms and viruses in rheumatic diseases (human)
- ** R01AM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
- ** R01AM-07912-10 Creighton University bone research center (women)
- ** R01AM-11308-08 Pathogenesis of inflammatory responses (rabbits, mice)
- R01AM-11685-07 Biologically oriented organic sulfur chemistry
- ** R01AM-13622-06 Arthritis-Inherited metabolic and nutritional causes
- R01AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- R01AM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
- R01AM-16209-01 Immune complexes in chronic inflammation (rabbits)
- R01AM-17408-01 Laxity in normal, arthritic and prosthetic knee joints (human)
- ** R01AM-17475-01 The synovial response to acute trauma (rabbits)
- R01AM-17560-01 Rigid non-steroidal anti-inflammatory agents
- ** P02CA-11051-06 0030 Clinical radiation research center - Experimental radiation arthritis (rats)
- P13DE-02731-08 0011 Development support for dental research institute - Dental research bioengineering (human)
- ** P11GM-15759-08 0020 Clinical pharmacology in rheumatic and muscular diseases - Azathioprene and cyclophosphamide rheumatoid arthritis and psoriatic arthritis
- P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
- P11GM-15759-08 0035 Clinical pharmacology in rheumatic and muscular diseases - In vitro studies in animal models (rats, human)
- P11GM-15759-08 0036 Clinical pharmacology in rheumatic and muscular diseases - Cytotoxin production and its inhibition by drugs (human, rats)
- ** P11GM-15759-08 0056 Clinical pharmacology in rheumatic and muscular diseases - Search for antigen response responsible for adjuvant-induced arthritis in rats
- ** P11GM-15759-08 0057 Clinical pharmacology in rheumatic and muscular diseases - Adjuvant-induced arthritis and delayed skin reactivity to Wax D
- R01GM-21367-01 Materials and components for miniature fiberoptics (human, dogs)
- P01HL-05435-14 0002 Cardiovascular research and training program - Virology (human)
- R01HL-16320-02 0002 Vasoactive peptides which stimulate smooth muscles - Angiotensinase C (rats, human)
- R01HS-00408-05 Improvement of methodology for clinical evaluations
- P07RR-00003-13 0059 Medical data processing research - Metabolism of gold
- ** M01RR-00030-13 0030 General clinical research center - Relationship of gut biocenology to selected human disease
- ** M01RR-00037-14 0076 General clinical research center - Rate of glucose entry into diseased joints (human)
- ** M01RR-00046-14 0012 General clinical research center - Hemophilic arthropathy (human)
- ** M01RR-00068-12 0051 General clinical research center - Musculoskeletal disorders in type IV hyperlipidemia (human)
- ** M01RR-00096-14 0062 Clinical research center - Long acting aspirin preparation for arthritis (human)
- ** M01RR-00229-09 0053 General clinical research center - Prolapse of mitral valve in conjunction with arthritis (human)
- ** M01RR-00336-08 0069 General clinical research center - Hematuria due to indocin in arthritis therapy (human)
- ** M01RR-00827-01 0008 General clinical research center - Genetic and metabolic factors in purine synthesis in man
- SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY**
- P01HL-12373-06 0010 Cardiopulmonary physiology and pathophysiology - Pulmonary pathology and pathophysiology (dogs)
- P07RR-00326-08 Computer resource research and development
- SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHROPATHY**
- P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02AM-05577-13 0004 Clinical research unit in rheumatic diseases 2 Epidemiology of rheumatoid arthritis and related diseases (human)
- RO1AM-07343-11 Characterization of cartilage proteoglycans (human, cattle, rabbits)
- RO1AM-10358-09 Effects of penicillamine on collagen metabolism (human, rats, cattle)
- ** RO1AM-11919-06 Connective tissue and its components (cattle, human)
- ** RO1AM-11949-07 Mechanisms of arthritis (human, rabbits)
- ** RO1AM-13069-06 Studies of crystal deposition diseases (human)
- RO1AM-13622-06 Arthritis-Inherited metabolic and nutritional causes
- RO1AM-13921-14 0006 Structure and organization of collagen fibers - Biochemical changes in connective tissue diseases of bone and cartilage
- PO1AM-14526-05 0004 Biochemistry of connective tissue - Inflammation by microcrystals in synovial spaces (human, dogs)
- ** RO1AM-15287-03 Cartilage production in cell culture (chick embryo, human)
- RO1AM-16116-01 Pressure distribution across human hip joint
- RO1AM-16118-01 An investigation of joint degeneration
- RO1AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
- ** RO1AM-16404-01 Collagen in osteoarthritic cartilage
- ** RO1AM-16461-01 Prevention of secondary osteoarthritis of the hip (human)
- ** RO1AM-16606-02 Metabolism of osteoarthritic articular cartilage (human)
- RO1AM-16805-01 Structure, biomechanics and bone (apes, human)
- RO1AM-16940-02 Human cartilage proteases in arthritis
- ** RO1AM-17215-01 Proteoglycans in aging and osteoarthritic cartilage (human, dogs)
- RO1AM-17229-01 Lubricating ability of synovial fluid (human)
- ** RO1AM-17258-01 In vitro culture of articular chondrocytes (human, rabbits)
- ** RO1AM-17482-01 Effect of joint motion on articular cartilage (dogs)
- ** RO1AM-18069-01 An investigation of joint degeneration (rabbits, human)
- ** MO1RR-00064-10 0079 General clinical research center - Naproxen in osteoarthritis and meclofenamic acid in rheumatoid (human)
- MO1RR-00261-09 0096 General clinical research center - Metabolic studies on human cartilage
- SKELETAL DISORDERS, ARTHRITIS, POLYARTHRITIS**
- ** RO1A-08420-07 Pathogenesis of chlamydial polyarthritides-entitis (cattle, sheep)
- SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID**
- SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
- SEE ALSO SKELETAL DISORDERS, SPONDYLITIS RHEUMATOID
- P02AM-06320-10 0002 Transplantation immunology center - Tissue typing (human)
- ** RO1AM-07436-08 Involvement of Mycoplasma in some types of arthritis (rabbits)
- P1SAI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
- RO1AI-10551-03 Structural studies of immunoglobulin M (human)
- PO1AI-11313-02 0001 Humoral, cellular and genetic mechanisms in autoimmunity - Information handling in clinical research (human)
- PO1AI-11313-02 0002 Humoral, cellular and genetic mechanisms in autoimmunity - Response to therapy of systemic lupus erythematosus and related diseases (human)
- RO1AM-01229-18 Nature of human anti-gamma globulins (also mice)
- ** PO1AM-01431-18 0006 Rheumatic diseases - Clinical pharmacology
- ** RO1AM-02255-16 Mycoplasma in animal and human disease (human, mice, rats)
- RO1AM-02375-16 HLA antigens in diseases (human)
- ** PO1AM-03564-15 0013 Mesenchymal tissues and their diseases - Collagenous structures destruction in rheumatoid arthritis
- PO1AM-03564-15 0015 Mesenchymal tissues and their diseases - Antigen sequential pulse labelling of lymphocytes
- ** PO1AM-03564-15 0026 Mesenchymal tissues and their diseases - Destruction of collagenous structures in rheumatoid arthritis
- ** PO1AM-03564-15 0027 Mesenchymal tissues and their diseases - Blastogenic factor
- PO1AM-03564-15 0028 Mesenchymal tissues and their diseases - Surface receptors (human, rabbits)
- PO1AM-03564-15 0029 Mesenchymal tissues and their diseases - Mechanisms of enzyme action
- ** RO1AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
- ** RO1AM-04761-14 Immunological mechanisms in rheumatoid arthritis (human)
- M P02AM-05577-13 Clinical research unit in rheumatic diseases
- P02AM-05577-13 0001 Clinical research unit in rheumatic diseases - Humoral factors in inflammation (human, mammals)
- ** P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
- ** P02AM-05577-13 0004 Clinical research unit in rheumatic diseases - Epidemiology of rheumatoid arthritis and related diseases (human)
- P02AM-05577-13 0005 Clinical research unit in rheumatic diseases - Dietary approach to treatment of ochronosis (human)
- ** P02AM-05577-13 0006 Clinical research unit in rheumatic diseases - Juvenile rheumatoid arthritis center
- P02AM-05577-13 0012 Clinical research unit in rheumatic diseases - Immune complexes in human diseases (rabbits)
- ** P02AM-05577-13 0013 Clinical research unit in rheumatic diseases - Bioassay to assess drug efficacy (chick embryo)
- P02AM-05577-13 0014 Clinical research unit in rheumatic diseases - Development of total knee replacement arthroplasty (human)
- P02AM-05577-13 0015 Clinical research unit in rheumatic diseases - Development of a patellar prosthesis (human)
- ** P02AM-05577-13 0016 Clinical research unit in rheumatic diseases - Pathogenesis of arthritis (human)
- P02AM-05577-13 0017 Clinical research unit in rheumatic diseases - Humoral mechanisms and mediators of inflammation in rheumatic disease patients
- P02AM-05577-13 0018 Clinical research unit in rheumatic diseases - Hand surgery (human)
- ** P02AM-05577-13 0019 Clinical research unit in rheumatic diseases - Phosphate supplements and calcium balance of steroid-treated patients
- ** P02AM-05577-13 0020 Clinical research unit in rheumatic diseases - New rheumatoid arthritis therapeutic agents (human)
- RO1AM-07343-11 Characterization of cartilage proteoglycans (human, cattle, rabbits)
- RO1AM-07626-11 Bioelectrical properties of connective tissues (human, amphibians, cattle, rats)
- ** RO1AM-08418-10 Local immune response in rheumatoid synovitis (human)
- ** PO1AM-09989-09 0002 Immunological and other aspects of rheumatic diseases - Electron microscopy of pannus-free cartilage (human, rabbits)
- ** RO1AM-10370-09 Metabolic abnormalities in rheumatoid arthritis
- RO1AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- RO1AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- RO1AM-10811-09 disease states
- RO1AM-11414-08 Immunocytochemistry of immune complexes in disease (human)
- ** RO1AM-11949-07 Mechanisms of arthritis (human, rabbits)
- ** RO1AM-12049-08 Experimental program in rheumatoid arthritis (human)
- RO1AM-12129-07 0004 Collagenases and collagen remodeling - Human and animal collagenases (tadpoles, rats)
- ** RO1AM-12849-06 Immunologic studies in rheumatoid arthritis (human, rabbits)
- ** RO1AM-13463-05 The infectious etiology of rheumatoid arthritis (human)
- RO1AM-13789-05 Lymphocyte antigen receptors in collagen disease (human, guinea pigs)
- ** RO1AM-13824-05 0001 Interactions of cellular and humoral immunity - Peripheral lymphocytes in connective tissue disease (human, monkeys, rabbits)
- ** RO1AM-14627-04 Immunological studies of chronic arthritis (human)
- RO1AM-14780-04 Mechanisms of connective tissue destruction in man (rabbits, rats)
- ** RO1AM-14916-05 Synovial tissues in rheumatoid arthritis (human, guinea pigs)
- ** RO1AM-15118-04 Gamma globulins in health and disease (human, rabbits, mice, guinea pigs)
- RO1AM-15391-04 Cooperative studies in rheumatoid arthritis (human)
- RO1AM-15544-03 Erysipelothrix model of rheumatoid arthritis etiology (swine, rabbits)
- ** RO1AM-15714-03 Antigen-antibody complexes in rheumatoid arthritis (human, rabbits)
- ** RO1AM-15796-01 Synovial cells and the etiology of rheumatoid arthritis (human, rabbits)
- ** RO1AM-16029-01 E-B virus antibodies in connective tissue diseases
- RO1AM-16030-01 EBV and other viruses in connective tissue diseases
- ** RO1AM-16213-03 Anti-collagen antibodies, Mm factors, and cAMP in RA
- ** RO1AM-16326-02 Rheumatoid arthritis
- RO1AM-16576-02 Properdin in connective tissue diseases (human)
- RO1AM-16894-02 Immunopathology of cartilage proteoglycans (human, rabbits)
- ** RO1AM-16940-02 Human cartilage proteases in arthritis
- ** RO1AM-16994-01 Lymphocyte function in lupus and rheumatoid arthritis (human)
- RO1AM-17028-01 Virologic studies of systemic lupus erythematosus (human, mice)
- ** RO1AM-17050-01 Arthritis and rubella infection (human)
- ** RO1AM-17159-01 Polyarthropathy in Salmonella-infected rats
- ** RO1AM-17174-01 Immune complexes in rheumatoid arthritis (human)
- RO1AM-17309-01 Biological effects of lysosomal enzyme release (human)
- RO1AM-17692-01 Control of enzyme release from human neutrophils
- RO1CA-15333-01 Rheumatoid factor and tumor-host interaction (human)
- RO1DE-03738-02 Humoral and cellular mediators of inflammation (human, rodents)
- PO1GM-14604-08 0007 Anaerobic bacteriological research program - Various habitats of anaerobes (chickens, swine, mice)
- P11GM-15559-07 0036 Clinical pharmacology - Drugs and connective tissue metabolism (human)
- P11GM-15559-07 0037 Clinical pharmacology - Clinical trial of penicillamine for rheumatoid vasculitis
- P11GM-15759-08 0016 Clinical pharmacology in rheumatic and muscular diseases - Effects of aspirin on serum concentrations of indomethacin (human)
- ** P11GM-15759-08 0017 Clinical pharmacology in rheumatic and muscular diseases - Clinical and laboratory study of gold preparations (human, rats)
- ** P11GM-15759-08 0019 Clinical pharmacology in rheumatic and muscular diseases - Anti-inflammatory effects of flumefenine and triflumidate (human)
- ** P11GM-15759-08 0020 Clinical pharmacology in rheumatic and muscular diseases - Azathioprine and cyclophosphamide rheumatoid arthritis and psoriatic arthritis
- ** P11GM-15759-08 0028 Clinical pharmacology in rheumatic and muscular diseases - Penicillamine effect on serum immunoglobulins and rheumatoid factor in arthritis
- P11GM-15759-08 0045 Clinical pharmacology in rheumatic and muscular diseases - Relevance of viral or auto-antibodies to diagnosis in rheumatic diseases (human)
- ** P11GM-15759-08 0048 Clinical pharmacology in rheumatic and muscular diseases - Immunologic changes in synovial fluid after synovectomy (human)
- PO1GM-16492-06 0012 Design of chemotherapeutic agents - Mass spectrometry-Cyclophosphamide (human, mice)
- RO1GM-19322-03 Release of injurious constituents from colts (rabbits, human)
- PO1HD-00668-16 0009 Aging and the aged - Immunologic studies of older humans
- PO1HD-05894-04 0014 Genetic childhood diseases and aging - IgA absence, anti-IgA antibody and foeto-maternal interaction (human)
- PO1HD-05894-04 0017 Genetic childhood diseases and aging - Immunology of collagen in disease and aging (human, rats, whales)
- RO1HL-09739-09 Biophysical studies of proteins (human, bacteria)
- ** PO1HL-09814-09 0005 Research program - Cardiovascular and related disease - Rheumatoid arthritis (human)
- PO1HL-09814-09 0016 Research program - Cardiovascular and related disease - Morbidity and mortality follow-up (human)
- ** PO1MH-11668-09 0083 Psychosocial factors in health and disease - Rheumatoid arthritis
- RO1RS-06856-08 Storage disease-Intracellular transport and digestion (human, animals, plants)
- NO1RU-24290-02 Progress of patients with selected chronic conditions
- ** MO1RR-00030-13 0030 General clinical research center - Relationship of gut biocenology to selected human disease
- MO1RR-00037-14 0076 General clinical research center - Rate of glucose entry into diseased joints (human)
- ** MO1RR-00042-14 0041 General clinical research center - Penicillamine for rheumatoid arthritis with vasculitis (human)
- MO1RR-00043-14 0016 General clinical research center - N-acetylcysteine therapy for connective tissue disorders (human)
- ** MO1RR-00043-14 0039 General clinical research center - Gold therapy for rheumatoid arthritis (human)
- MO1RR-00047-14 0097 General clinical research center - Human growth hormone activity in relation to dwarfism (human)
- ** MO1RR-00051-13 0059 General clinical research center - Multiple parameters for measuring joint inflammation (human)
- ** MO1RR-00051-13 0137 General clinical research center - Cyclophosphamide treatment of rheumatoid arthritis (human)
- MO1RR-00056-13 0048 General Clinical Research Center - Sclerosis (scleroderma) and other systemic disorders of connective tissue (human)
- ** MO1RR-00064-10 0079 General clinical research center - Naproxen in osteoarthritis and meclofenamic acid in rheumatoid (human)
- MO1RR-00065-12 0039 General clinical research center - Effect of SU-21524 in rheumatoid arthritis (human)

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- ** MO1RR-00065-12 0054 General clinical research center - Digital artery lesions in rheumatoid arthritis (human)
- MO1RR-00068-12 0051 General clinical research center - Musculoskeletal disorders in type IV hyperlipidemia (human)
- MO1RR-00069-12 0050 General clinical research center, children - Zinc deficiency in the growing child
- MO1RR-00102-11 0006 General clinical research center - Immunologic disorders (human)
- ** MO1RR-00134-10 0052 General clinical research center - Granulomatous liver disease in rheumatoid arthritis (human)
- ** MO1RR-00261-09 0111 General clinical research center - Rheumatoid arthritis (human)
- ** MO1RR-00318-08 0057 General clinical research center - Renal tubular and lacrimal function in rheumatoid arthritis (human)
- ** MO1RR-00336-08 0054 General clinical research center - Fenoprofen calcium study in rheumatoid arthritis (human)
- MO1RR-00336-08 0059 General clinical research center - Fenoprofen calcium aspirin, and gold therapy in rheumatoid arthritis (human)
- ** MO1RR-00336-08 0061 General clinical research center - Fenoprofen calcium in rheumatoid arthritis (human)
- ** MO1RR-00336-08 0077 General clinical research center - Follow-up of rheumatoid arthritis terminated on fenoprofen studies
- ** MO1RR-00633-02 0044 General clinical research center - Knee joint perfusion studies in rheumatoid arthritis (human)
- ** MO1RR-00633-02 0045 General clinical research center - Effect of immobilization on rheumatoid arthritis (human)
- ** MO1RR-00722-02 0004 General Clinical Research Center - Immunosuppressive therapy in connective tissue disease (human)
- MO1RR-00828-01 0001 General clinical research center - Long term corticosteroid therapy (human)
- ** MO1RR-00833-01 0033 General clinical research center - Rheumatoid arthritis (human)
- MO1RR-00847-01 0014 Clinical research centers - Regulation of cyclophosphamide dosage in connective tissue disorders (human)
- ** MO1RR-00865-01 0002 General clinical research center - Metabolism of salicylate in rheumatoid arthritis (human)
- ** MO1RR-00865-01 0003 General clinical research center - Role of thoracic duct lymphocytes in rheumatoid arthritis (human)

SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID FACTORS

- RO1A1-09758-05 Structure-function relationships of immunoglobulins (human, ducks, mice, rabbits)
- RO1A1-10580-03 Genetic control of immunoglobulin synthesis (human, rabbits)
- RO1A1-10664-09 Structure and function of immunoglobulins (human)
- ** RO1A1-11550-02 Structural studies of human monoclonal autoantibodies
- RO1AM-01229-18 Nature of human anti-gamma globulins (also mice)
- PO1AM-01431-18 0001 Rheumatic diseases - Immunology (human)
- RO1AM-04549-12 Serum agglutinators of altered gamma globulins (human)
- PO2AM-05577-13 0002 Clinical research unit in rheumatic diseases - Delayed hypersensitivity in vitro (guinea pigs, human)
- ** PO2AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
- PO2AM-05577-13 0004 Clinical research unit in rheumatic diseases - Epidemiology of rheumatoid arthritis and related diseases (human)
- PO2AM-05577-13 0006 Clinical research unit in rheumatic diseases - Juvenile rheumatoid arthritis center
- PO2AM-05577-13 0017 Clinical research unit in rheumatic diseases - Humoral mechanisms and mediators of inflammation in rheumatic disease patients
- PO2AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
- RO1AM-08418-10 Local immune response in rheumatoid synovitis (human)
- ** RO1AM-11766-06 Immunological mechanisms in rheumatic diseases (rats, human, rabbits, mice)
- RO1AM-12049-08 Experimental program in rheumatoid arthritis (human)
- RO1AM-12849-06 Immunologic studies in rheumatoid arthritis (human, rabbits)
- ** RO1AM-13789-05 Lymphocyte antigen receptors in collagen disease (human, guinea pigs)
- RO1AM-14627-04 Immunological studies of chronic arthritis (human)
- ** RO1AM-14916-05 Synovial tissues in rheumatoid arthritis (human, guinea pigs)
- RO1AM-15118-04 Gamma globulins in health and disease (human, rabbits, mice, guinea pigs)
- ** RO1AM-15714-03 Antigen-antibody complexes in rheumatoid arthritis (human, rabbits)
- RO1AM-16984-02 Human immune complex diseases

- RO1AM-17174-01 Immune complexes in rheumatoid arthritis (human)
- ** RO1CA-15333-01 Rheumatoid factor and tumor-host interaction (human)
- RO1CA-15486-01 Cancer and macroglobulinemia (NZ mice, human)
- ** NO1DE-22402-02 Interaction of rheumatoid factor with infectious antibody complexes (human)
- RO1GM-07214-14 Nature and distribution of human gamma-globulin factors
- RO1GM-13401-09 Association reactions of enzymes (rabbits, cattle, swine)
- PO1GM-15253-08 0038 Genetics in medicine-Gene action in man - Immunoclinical studies in autoimmunity in chromosomal syndromes
- ** P11GM-15759-08 0028 Clinical pharmacology in rheumatic and muscular diseases - Penicillamine effect on serum immunoglobulins and rheumatoid factor in arthritis
- ** P11GM-15759-08 0054 Clinical pharmacology in rheumatic and muscular diseases - Evaluation of the characteristics of the rheumatoid factor
- NO1HD-32709-03 Autoimmune phenomena and mechanisms in human vasectomy
- P17HL-14177-04 0009 Center for prevention and treatment of atherosclerosis - Injury and hyperlipemic diet in producing atherosclerosis (rabbits, human, swine)
- RO1HL-15040-02 Shock in myocardial infarction (human)
- P17HL-15092-03 0002 Occupational environmental pulmonary disease center - Accelerated silicosis in sandblasters
- MO1RR-00833-01 0033 General clinical research center - Rheumatoid arthritis (human)
- MO1RR-00833-01 0034 General clinical research center - Complement and immunoglobulin metabolism in rheumatic diseases (human)

SKELETAL DISORDERS, BONE DEVELOPMENT

- SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
- SEE ALSO CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, HISTIDINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, CHONDRODYSPLASIA
- SEE ALSO METABOLIC DISORDERS INBORN, HYPOPHOSPHATASIA
- SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
- SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS
- SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
- SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
- SEE ALSO METABOLIC DISORDERS INBORN, PSEUDOHYPOPARATHYROIDISM
- SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
- SEE ALSO SKELETAL DISORDERS, OSTEITIS FIBROSA DISSEMINATA
- SEE ALSO SKELETAL DISORDERS, OSTEOCHONDRTIS (DEFORMANS)
- SEE ALSO SKELETAL DISORDERS, OSTEOSCLEROSIS
- PO2AM-04501-13 0007 Metabolic disease research center - Collagen metabolism (human, rats)
- ** RO1DE-02103-10 0020 Inductive substrates for tooth and bone formation - Is osteopetrosis a disorder of bone morphogenic matrix (mice, human)
- PO1DE-02872-05 0004 Craniofacial anomalies - Shape and growth of mandible in mandibulofacial dysostosis (human)
- PO1DE-02918-06 0011 Oral-facial growth and development in primates - Unilateral condylar hypoplasia and facial symmetry (M nemestrina)
- PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- ** MO1RR-00044-14 0058 General clinical research center - Metabolic effects of HGH, especially on bone (human)
- ** MO1RR-00102-11 0002 General clinical research center - Calcitonin studies (human)
- ** MO1RR-00284-08 0055 General clinical research center-pediatric - Disorders of bone-Mineral and hormone metabolism

SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM

- SEE ALSO AGING, PROGERIA
- SEE ALSO METABOLIC DISORDERS INBORN, ACHONDROPLASIA
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
- SEE ALSO METABOLIC DISORDERS INBORN, GLYCOGENOSIS
- SEE ALSO METABOLIC DISORDERS INBORN, LIPCHONDRODYSPLASIA
- SEE ALSO THYROID GLAND DISORDERS, HYPOTHYROIDISM, CRETINISM
- ** RO1AM-01022-18 Role of endocrine secretions in growth and development (human, rats)
- RO1AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
- ** RO1AM-15761-03 Metabolism of normal and abnormal physical cartilage (human, dogs)
- P11GM-15956-07 0044 Factors affecting the responses to drugs - Teratogenesis caused by chemotherapy (children)

- PO1GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
- ** PO1GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
- PO1GM-19489-03 0015 Study of human genetics - Mapping the chromosomes of man
- ** PO1GM-19489-03 0022 Study of human genetics - Linkage analysis in the Ellis-van Creveld syndrome
- PO1GM-19489-03 0024 Study of human genetics - Linkage and gene assignment by cell hybridization
- ** PO1GM-19489-03 0026 Study of human genetics - Dwarfism in the Amish
- RO1HD-05105-13 Pituitary-gonadal interrelationship (human)
- RO1HD-05624-04 Genetics and pathogenesis of the chondrodysplasias (human, mice, rabbits, dogs)
- RO1HD-06546-03 Etiology of achondroplasia in man and mammals (rabbits)
- RO1HD-06580-02 Ontogeny of sensitivity to growth hormone (mice)
- RO1HD-07778-02 Immune deficiency (human)
- RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
- ** MO1RR-00046-14 0008 General clinical research center - Growth hormone in pituitary disorders (human)
- MO1RR-00047-14 0021 General clinical research center - Fate of tritium labeled vitamin D in man
- ** MO1RR-00047-14 0097 General clinical research center - Human growth hormone activity in relation to dwarfism (human)
- MO1RR-00055-13 0022 General clinical research center - Regulation of growth hormone secretion in health and disease (human)
- ** MO1RR-00305-08 0033 Clinical research center for children - TSH and GH secretion during therapy in hypsomatotropic dwarfism
- ** MO1RR-00628-04 0002 General clinical research center for children - Growth hormone deficiency in dwarfism
- MO1RR-00628-04 0004 General clinical research center for children - Androgen and estrogen levels in plasma
- ** MO1RR-00628-04 0007 General clinical research center for children - Neuroendocrine aspects of sleep in dwarfism
- MO1RR-00722-02 0018 General Clinical Research Center - Skeletal dysplasia (human)
- MO1RR-00722-02 0029 General Clinical Research Center - Obstetrical and gynecological complications in heritable disorders (human)

SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY

- PO1DE-02848-06 0020 Biology of connective tissue, bones and teeth - Development of pituitary gland and immunocompetence (mice)
- ** RO1HD-00325-18 0004 Longitudinal and related psychohormonal studies - IQ gain in reversible hypsomatotropic (psychosocial dwarfism)
- ** MO1RR-00047-14 0052 General clinical research center - Effect of bovine growth hormone in pituitary dwarfism (human, cattle)
- ** MO1RR-00062-12 0021 Clinical research center, children - Human growth hormone in hypopituitary dwarfism and in small stature
- ** MO1RR-00064-10 0016 General clinical research center - Effects of human growth hormone (human)
- MO1RR-00079-12 0056 General clinical research center - Secretion and disposition of pituitary growth hormone (human)
- MO1RR-00080-12 0028 General clinical research center - Growth hormone studies (human)
- MO1RR-00082-12 0096 General clinical research center - Stimulation of growth hormone by propranolol glucagon administration (human)
- MO1RR-00084-12 0024 General clinical research center-children - Comparative effects of growth hormone and cyproheptadine in hypopituitarism
- ** MO1RR-00080-12 0004 General clinical research center-children - Effect of human growth hormone on hypopituitary dwarfs
- ** MO1RR-00125-11 0220 General clinical research center-adult-child - Neurotransmitters and hypothalamic-pituitary function in somatotropin deficiency
- ** MO1RR-00188-10 0001 General clinical research center for children - Hypopituitary dwarfism
- ** MO1RR-00240-10 0108 General clinical research center-Children - Propranolol therapy for growth retardation
- ** MO1RR-00318-08 0026 General clinical research center - Human growth studies
- ** MO1RR-00318-08 0045 General clinical research center - Peripheral subresponsiveness to HGH (human)

SKELETAL DISORDERS, BONE DEVELOPMENT, GIGANTISM

- ** MO1RR-00063-12 0024 General clinical research center - Clinical and hormonal studies in acromegaly and gigantism (human)

SKELETAL DISORDERS, BONE DISORDERS (GENERAL)

SEE ALSO BLOOD AND RE DISORDERS, BONE MARROW (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly in above subject.

† Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- SEE ALSO KIDNEY DISORDERS, RENAL RICKETS
SEE ALSO PITUITARY GLAND DISORDERS, ACROMEGALY
SEE ALSO SKELETAL DISORDERS (GENERAL)
- PO2AM-04501-13 0007 Metabolic disease research center - Collagen metabolism (human, rats)
- ** PO2AM-04501-13 0012 Metabolic disease research center - Vitamin D assay (human)
- ** RO1AM-07126-11 Metabolism of human bone
- ** RO1AM-07912-10 Creighton University bone research center (women)
- ** RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
- ** RO1AM-09096-09 Nutritional influences on bone (human, rats)
- PO1AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- RO1AM-11674-08 0001 Bone metabolism in chronic disorders - Studies in vitamin D3 metabolism (human, rats)
- ** RO1AM-11674-08 0004 Bone metabolism in chronic disorders - Phosphate and bone (rats)
- PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- ** PO1AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings
- RO1AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)
- ** RO1AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
- RO1AM-15888-02 Peptide hormones in calcium and skeletal metabolism
- RO1AM-15979-01 Effect of oxymetholone, F, and P, on demineralized bone
- M RO1AM-15980-02 Homodynamic factors in fractures and bone disease
- ** RO1AM-16267-03 Microcirculation and histology of healing bone (dogs)
- RO1AM-16475-01 System for assessing skeletal health from radiographs
- RO1AM-18069-01 An investigation of joint degeneration (rabbits, human)
- RO1AM-92168-08 Renal osteodystrophy (human)
- RO1CA-06263-13 Computer analysis of tumor roentgenograms (human)
- ** PO1CA-08748-09 5612 Research program of Sloan-Kettering Institute - Bone mineralization measurement (human)
- RO1ES-00831-01 Rapid screening for lead poisoning (human)
- PO1EY-00227-13 0013 The posterior segment of the eye - Retinal detachment and related conditions (human)
- RO1GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
- ** P11GM-15190-08 0001 Center for toxicological research and training - Toxicology of fluoride (human, rats)
- RO1GM-16474-06 Acoustic-optical interaction for image reconstruction
- ** PO1GM-19489-03 0001 Study of human genetics - Registry of bone dysplasias
- ** PO1GM-19489-03 0009 Study of human genetics - Light and electron microscopy of bone and cartilage in skeletal dysplasias
- ** RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
- ** RO1HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- ** MO1RR-00031-14 0015 General clinical research center - Cellular basis of bone disorders (human)
- ** MO1RR-00035-14 0042 General clinical research centers - Genetic disorders of osseous skeleton (human)
- ** MO1RR-00040-14 0097 General clinical research center - Bone and joint alterations in hemochromatosis (human)
- ** MO1RR-00043-14 0003 General clinical research center - Parathyroid hormone and bone disease (human)
- ** MO1RR-00062-12 0007 Clinical research center, children - Disorders of calcium and phosphorus metabolism
- ** MO1RR-00080-12 0048 General clinical research center - Therapeutic trial of Engelmann's disease (human)
- MO1RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)
- MO1RR-00096-14 0041 Clinical research center - Effect of growth hormone and calcitonin on osteoporosis and bone disease (human)
- PO6RR-00168-13 New England regional primate research center
- SKELETAL DISORDERS, BONE METABOLISM (GENERAL)**
- SEE ALSO CALCIUM (MINERAL) IMBALANCES
SEE ALSO METABOLIC DISORDERS INBORN, ACHONDROPLASIA
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO METABOLIC DISORDERS INBORN, CHONDRODYSPLASIA
SEE ALSO METABOLIC DISORDERS INBORN, GLYCOGENOSIS
SEE ALSO METABOLIC DISORDERS INBORN, HYPOPHOSPHATASIA

- SEE ALSO METABOLIC DISORDERS INBORN, LIPOCHONDRODYSPLASIA
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
SEE ALSO METABOLIC DISORDERS INBORN, PSEUDOHYPOPARATHYROIDISM
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
- PO1AM-08458-10 0002 Uremia and exchange of ions and water - Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs)
- RO1AM-16514-02 Longitudinal study of skeletal status in women
- ** PO2CA-05826-13 0059 Clinical cancer research center - Calcium metabolism in cancer and metabolic bone disease
- ** RO1FD-00599-01 Dietary chelates and calcium metabolism (chicken, quail)
- RO1HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- RO1HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
- ** MO1RR-00036-14 0111 General clinical research center - Metabolic bone disease (human)
- ** MO1RR-00044-14 0067 General clinical research center - Fluoride and hydroxyproline as indicators of bone metabolism (human)
- ** MO1RR-00047-14 0021 General clinical research center - Fate of tritium labeled vitamin D in man
- ** MO1RR-00080-12 0022 General clinical research center - Metastatic and metabolic bone disease (human)
- ** MO1RR-00229-09 0058 General clinical research center - Bone seans in chronic hemodialysis and renal transplant patients
- ** MO1RR-00318-08 0070 General clinical research center - 25 Hydroxycholecalciferol for bone disease of calcium malabsorption (human)
- ** MO1RR-00400-06 0043 General clinical research center - adult - Metabolic bone studies in adolescent kyphosis and Turner's syndrome (human)
- ** MO1RR-00750-02 0019 General clinical research center - Abnormalities of Ca and bone metabolism in thyrotoxicosis (human)
- ** MO1RR-00827-01 0011 General clinical research center - Peptide hormones in calcium and skeletal metabolism (human)
- ** MO1RR-00828-01 0007 General clinical research center - Renal osteodystrophy in children and young adults

SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA

- SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
- RO1AM-00668-20 Calcium and phosphate transport (rats)
- PO1AM-08458-10 0002 Uremia and exchange of ions and water - Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs)
- RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
- RO1AM-09096-09 Nutritional influences on bone (human, rats)
- PO1AM-09650-10 0013 Hormonal and ionic control of metabolism - Vitamin D metabolism in man
- ** RO1AM-11674-08 0001 Bone metabolism in chronic disorders - Studies in vitamin D3 metabolism (human, rats)
- PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- RO1AM-16061-03 Theoretical and therapeutic aspects of calcification (human)
- PO1ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
- ** RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
- ** RO1RS-10262-03 Anticonvulsant and psychoactive drug-induced osteomalacia (human, rats)
- ** MO1RR-00036-14 0129 General clinical research center - Anti-convulsant and psychoactive drug induced osteomalacia (human)
- MO1RR-00037-14 0132 General clinical research center - Renal function, growth and bone disease in children
- ** MO1RR-00051-13 0053 General clinical research center - Osteomalacia - Effect of Ca and P04 infusions (human)
- ** MO1RR-00051-13 0097 General clinical research center - Osteomalacia - Preadmission study (human)
- ** MO1RR-00305-08 0070 Clinical research center for children - Azotemic osteodystrophy
- ** MO1RR-00828-01 0005 General clinical research center - Effects of fluoride on bone (human)
- MO1RR-00828-01 0007 General clinical research center - Renal osteodystrophy in children and young adults

SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS

- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

- SEE ALSO METABOLIC DISORDERS (INBORN), HYPEROXALURIA AND OXALOSIS
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
- RO1AM-00668-20 Calcium and phosphate transport (rats)
- RO1AM-07126-11 Metabolism of human bone
- ** RO1AM-07912-10 Creighton University bone research center (women)
- ** PO2AM-08657-10 0010 Clinical metabolic research unit - Role of parathyroid in osteoporosis and idiopathic hypercalcaemia
- RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
- RO1AM-09096-09 Nutritional influences on bone (human, rats)
- ** PO1AM-09650-10 0014 Hormonal and ionic control of metabolism - Therapy of osteoporosis (human)
- ** RO1AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- ** RO1AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
- ** RO1AM-11674-08 0008 Bone metabolism in chronic disorders - Growth hormone and osteoporosis (human)
- RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
- RO1AM-13921-14 0006 Structure and organization of collagen fibers - Biochemical changes in connective tissue diseases of bone and cartilage
- ** RO1AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
- ** RO1AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
- RO1AM-15287-03 Cartilage production in cell culture (chick embryo, human)
- RO1AM-15464-02 Calcium isotopic composition in metabolic disorders
- ** RO1AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
- ** RO1AM-16061-03 Theoretical and therapeutic aspects of calcification (human)
- ** RO1AM-16514-02 Longitudinal study of skeletal status in woman
- RO1AM-16805-01 Structure, biomechanics and bone (apes, human)
- RO1AM-17074-01 Role of bone membranes in calcium regulation
- ** RO1AM-17169-01 Dietary factors in the etiology of osteoporosis (mice, rats)
- ** MO1AM-32204-02 Osteoporosis - Certain nutritional factors and therapeutic management trial
- ** PO1DE-01945-11 0001 Ultrastructure of hard tissue - Structure of diseased bone (human, rats, rabbits, chickens)
- ** P13DE-02600-08 0002 Planning of a research center in oral biology - Quality of bone in dental diseases (human, rats)
- P13DE-02670-08 Institute of Dental Research
- RO1DE-02716-06 Mineralogy of calcifying tissues - Teeth and bones (human, sheep)
- ** P11GM-15190-08 0001 Center for toxicological research and training - Toxicology of fluoride (human, rats)
- P11GM-15559-07 0036 Clinical pharmacology - Drugs and connective tissue metabolism (human)
- P11GM-15956-07 0005 Factors affecting the responses to drugs - Effect of fluoride on metabolic bone disease (human)
- PO1GM-19489-03 0013 Study of human genetics - Treatment of homocystinuria with vitamin B6
- PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- PO1HD-00669-15 0011 Interdisciplinary program of research in aging - Connective tissue aging (human, cattle)
- ** PO1HD-04872-04 0003 Metabolism and aging - Bone quality in osteoporosis (human, rats)
- P18HL-15169-03 0016 Comprehensive sickle cell disease center - Radiographic changes of dental significance in the sickle cell disease patient
- P18HL-15170-03 0020 Comprehensive sickle cell disease center - Calcitonin in expansive bone marrow disease (human)
- MO1RR-00031-14 0015 General clinical research center - Cellular basis of bone disorders (human)
- ** MO1RR-00031-14 0062 General clinical research center - Therapy evaluation in chronic skeletal disease (human)
- MO1RR-00051-13 0053 General clinical research center - Osteomalacia - Effect of Ca and P04 infusions (human)
- ** MO1RR-00051-13 0104 General clinical research center - Migratory periarticular osteoporosis (human)
- ** MO1RR-00051-13 0164 General clinical research center - Calcium infusion and calcium balance in osteoporosis (human)
- ** MO1RR-00053-13 0042 Clinical research center - Prevention of immobilization osteoporosis (human)
- ** MO1RR-00058-13 0027 General clinical research center - Fluoride-calcium-vitamin D supplement in osteoporosis
- ** MO1RR-00059-13 0154 General clinical research center - Analysis of osteoporosis therapy (human)
- ** MO1RR-00062-12 0026 Clinical research center, children - Idiopathic juvenile osteoporosis

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**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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- ** MO1RR-00080-12 0060 General clinical research center - Effects of calcitonin in hypercalcemia, osteoporosis, and Paget's disease (human)
- ** MO1RR-00102-11 0002 General clinical research center - Calcitonin studies (human)
- MO1RR-00318-08 0028 General clinical research center - Calcitonin treatment in demineralizing diseases (human)
- ** MO1RR-00349-08 0055 General clinical research center - Calcium metabolism, acid-base metabolism and bone (human)
- ** MO1RR-00400-06 0024 General clinical research center - adult - Calcium infusion for steroid induced osteoporosis (human)
- ** MO1RR-00585-03 0008 General clinical research center - Sex hormones, calcium, vitamin D and sodium fluoride for osteoporosis (human)
- ** MO1RR-00585-03 0009 General clinical research center - Therapeutic trials in metabolic bone disease (human)
- ** MO1RR-00585-03 0023 General clinical research center - Combined therapy with calcium and calcitonin in osteoporosis (human)
- ** MO1RR-00633-02 0010 General clinical research center - Treatment of steroid induced osteoporosis (human)
- ** MO1RR-00633-02 0066 General clinical research center - Osteoporosis (human)
- MO1RR-00750-02 0013 General clinical research center - Genetic studies of human twins
- ** MO1RR-00828-01 0005 General clinical research center - Effects of fluoride on bone (human)
- MO1RR-00847-01 0019 Clinical research centers - Regulation of cyclic nucleotide metabolism (human)

SKELETAL DISORDERS, BONE METABOLISM, RICKETS

- SEE ALSO KIDNEY DISORDERS, RENAL RICKETS
SEE ALSO METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, HYPOPHOSPHATASIA
SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
- PO1AM-03564-15 0006 Mesenchymal tissues and their diseases - Collagen heterogeneity in growing bone in rickets (chicks)
- PO1AM-09650-10 0013 Hormonal and ionic control of metabolism - Vitamin D metabolism in man
- RO1AM-14750-03 Vitamin D metabolism in humans (also chickens, rats, dogs)
- ** PO1AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings
- RO1AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
- MO1RR-00084-12 0008 General clinical research center - children - Hormonal control of Ca and P in various disease states
- MO1RR-00123-11 0036 General clinical research center - Children - Vitamin D deficient and vitamin D resistant rickets
- ** MO1RR-00188-10 0081 General clinical research center for children - Development of rickets on normal dietary vitamin D

SKELETAL DISORDERS, BONE NECROSIS

- RO1AM-16267-03 Microcirculation and histology of healing bone (dogs)
- ** PO1HL-07896-13 0010 Environmental biomedical research program - Orthopedics (dogs, human)
- ** P18HL-15166-03 0003 Comprehensive sickle cell disease center - Production of salmonella osteomyelitis and necrosis of long bones (rats)
- ** P18HL-15166-03 0010 Comprehensive sickle cell disease center - Treatment of aseptic necrosis of the hip by bone grafting (human)
- ** P18HL-15169-03 0003 Comprehensive sickle cell disease center - Bone lesions in sickle cell disease (human)
- P18HL-15169-03 0014 Comprehensive sickle cell disease center - Orthopaedic aspects of sickle cell disease including avascular necrosis (human)

SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

- SEE ALSO METABOLIC DISORDERS INBORN, CHONDRODYSSTROPHY
SEE ALSO METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, ECCENTROOSTEOCHONDRODYSPLASIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS
- ** RO1AM-04362-13 Mechanisms of bone resorption and accretion in vivo (chickens)
- ** RO1AM-06205-13 Parathyroid and bone metabolism (rats)
- RO1AM-07126-11 Metabolism of human bone
- RO1AM-07912-10 Creighton University bone research center (women)
- ** RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)

- RO1AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
- ** RO1AM-18063-01 Parathyroid and bone metabolism (rats)
- PO2CA-05826-13 0054 Clinical cancer research center - Oral phosphate administration for altered calcium metabolism (human)
- ** PO2CA-05826-13 0059 Clinical cancer research center - Calcium metabolism in cancer and metabolic bone disease
- RO1DE-01523-13 Metabolic pathways in bone (mice)
- PO1DE-01648-12 0001 Basic studies on periodontal disease - Effect of traumatic injury on marginal periodontitis (monkeys)
- P13DE-02731-08 0009 Development support for dental research institute - Dental prosthetics-mechanics (human, rats)
- RO1DE-03929-01 Role of local factors on bone in periodontal disease (rabbits)
- ** PO1HD-04872-04 0003 Metabolism and aging - Bone quality in osteoporosis (human, rats)
- ** RO1NS-10608-02 Pathogenesis and bone resorption in aural cholesteatoma (human, guinea pigs)
- ** MO1RR-00036-14 0115 General clinical research center - Role of heparin in bone resorption in hypercalciuria
- MO1RR-00042-14 0019 General clinical research center - Long term manifestations of scleroderma (human)

SKELETAL DISORDERS, CARTILAGE DISORDERS

- SEE ALSO METABOLIC DISORDERS INBORN, CHONDRODYSSTROPHY
- RO1AM-16404-01 Collagen in osteoarthritic cartilage
- ** RO1AM-16894-02 Immunopathology of cartilage proteoglycans (human, rabbits)
- RO1AM-18069-01 An investigation of joint degeneration (rabbits, human)
- PO1CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
- RO1ES-00741-02 Interaction of SO2 and virus on respiratory mucosa (chickens)
- PO1GM-19489-03 0008 Study of human genetics - Cartilage and chondrocytes from chondrodysplasias
- ** PO1GM-19489-03 0009 Study of human genetics - Light and electron microscopy of bone and cartilage in skeletal dysplasias

SKELETAL DISORDERS, CONTRACTURE, DUPUYTREN'S

- RO1AM-07626-11 Bioelectrical properties of connective tissues (human, amphibians, cattle, rats)

SKELETAL DISORDERS, JOINT DISORDERS

- SEE ALSO CONGENITAL ABNORMALITIES, SKELETAL, HIP DISLOCATION CONGENITAL
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, LIPOCHONDRODYSSTROPHY
SEE ALSO SKELETAL DISORDERS, ANKYLOSIS
SEE ALSO SKELETAL DISORDERS, ARTHRITIS
SEE ALSO SKELETAL DISORDERS, SYNOVITIS
- ** RO1AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
- ** PO1AM-09989-09 0002 Immunological and other aspects of rheumatic diseases - Electron microscopy of pannus-free cartilage (human, rabbits)
- RO1AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- RO1AM-11949-07 Mechanisms of arthritis (human, rabbits)
- ** RO1AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- ** RO1AM-14486-04 Biomechanics of hip disease (human)
- RO1AM-14659-03 Influence of wrist pathomechanics on hand function (human)
- RO1AM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
- ** RO1AM-15216-04 Molecular basis of joint lubrication (cattle, human)
- RO1AM-16894-02 Immunopathology of cartilage proteoglycans (human, rabbits)
- RO1GM-19322-03 Release of injurious constituents from cells (rabbits, human)
- RO1HL-01648-27 Blood coagulation and hemophilia (human, animals)
- ** PO1HL-09814-09 0005 Research program - Cardiovascular and related disease - Rheumatoid arthritis (human)
- ** MO1RR-00040-14 0082 General clinical research center - Pathogenesis of articular lesions in systemic rheumatic diseases (human)
- ** MO1RR-00040-14 0083 General clinical research center - Effect of exercise on joint inflammation (human)
- ** MO1RR-00040-14 0097 General clinical research center - Bone and joint alterations in hemochromatosis (human)
- ** MO1RR-00051-13 0059 General clinical research center - Multiple parameters for measuring joint inflammation (human)
- ** MO1RR-00056-13 0062 General Clinical Research Center - Intermittent hydrarthrosis (human)
- ** MO1RR-00261-09 0096 General clinical research center - Metabolic studies on human cartilage
- ** MO1RR-00722-02 0015 General Clinical Research Center - Evaluation of therapy for hemarthroses in hemophilia (human)
- SO1RR-05589-10 General research support (hospitals)

SKELETAL DISORDERS, JOINT STIFFNESS

- RO1AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- ** PO1HD-04872-04 0002 Metabolism and aging - Periarticular connective tissue (monkeys)

SKELETAL DISORDERS, ORTHOPEDICS

- SEE ALSO DENTISTRY, ORTHODONTICS
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO SKELETAL SYSTEM, LIMB, AMPUTATION
- RO1AM-04993-13 Stimulation of bone formation (dogs)
- PO2AM-05577-13 0015 Clinical research unit in rheumatic diseases - Development of a patellar prosthesis (human)
- RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
- RO1AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- ** RO1AM-14486-04 Biomechanics of hip disease (human)
- RO1AM-14659-03 Influence of wrist pathomechanics on hand function (human)
- ** RO1AM-14737-04 Influence of low modulus elasticity implant on healing (goat)
- RO1AM-15575-03 Biomechanical studies of idiopathic scoliosis (human)
- RO1AM-15980-02 0001 Hemodynamic factors in fractures and bone disease - Effect of increased venous pressure on fracture healing (dogs)
- RO1AM-15980-02 0002 Hemodynamic factors in fractures and bone disease - Blood flow in experimental fracture (dogs)
- ** RO1AM-16031-02 Quantitative biomechanical study of fracture repair (rabbits)
- ** RO1AM-16058-03 Failure and repair of bone (cattle, dogs, human, rats)
- ** PO1AM-16120-03 0003 Development of total joint replacements - Clinical program
- RO1AM-16186-02 0001 Inhibition of scars in tendon and nerve injury - Tendon studies (rats)
- RO1AM-16461-01 Prevention of secondary osteoarthritis of the hip (human)
- RO1AM-17149-01 Bioengineering three-dimensional spinal analysis (human)
- RO1AM-17150-01 TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys)
- ** RO1AM-17432-01 Quantitated function correlated with physical impairment
- ** RO1AM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)
- ** PO2CA-12247-03 0032 Pediatric oncology center - Orthopedics
- ** PO1GM-15253-08 0049 Genetics in medicine - Gene action in man - Clinical genetics in Childrens Orthopedic Hospital
- MO1HB-42975-02 Heparin for prevention of venous thromboembolism in orthopaedic surgical patient
- ** RO1HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
- ** PO1HL-07896-13 0010 Environmental biomedical research program - Orthopedics (dogs, human)
- P18HL-15166-03 0003 Comprehensive sickle cell disease center - Production of salmonella osteomyelitis and necrosis of long bones (rats)
- ** P18HL-15169-03 0014 Comprehensive sickle cell disease center - Orthopaedic aspects of sickle cell disease including avascular necrosis (human)
- RO2NU-00369-04 Action program in nursing research facilitation
- MO1RR-00096-14 0042 Clinical research center - Methods for correcting deformities of ankylosing spondylitis (human)
- SO1RR-05655-06 General research support (pediatric hospital)

SKELETAL DISORDERS, ORTHOPEDICS, ARTHROPLASTY

- ** PO2AM-05577-13 0014 Clinical research unit in rheumatic diseases - Development of total knee replacement arthroplasty (human)
- PO2AM-05577-13 0015 Clinical research unit in rheumatic diseases - Development of a patellar prosthesis (human)
- PO1AM-16120-03 0003 Development of total joint replacements - Clinical program
- ** MO1RR-00082-12 0094 General clinical research center - Effect of bio-clean surgical facility on wound contamination (human)

SKELETAL DISORDERS, ORTHOPEDICS, BONE PLATES

- RO1AM-14737-04 Influence of low modulus elasticity implant on healing (goat)
- ** RO1AM-15478-03 Fixation of fractures with pyrolytic carbon plates (dogs)
- RO1AM-16031-02 Quantitative biomechanical study of fracture repair (rabbits)
- RO1AM-16058-03 Failure and repair of bone (cattle, dogs, human, rats)
- RO1AM-16267-03 Microcirculation and histology of healing bone (dogs)
- RO1AM-17106-01 Stimulation of fracture healing by direct current (dogs)

(cont'd)

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SKELETAL DISORDERS, ORTHOPEDICS, BONE**SCREWS**

- R01AM-16267-03 Microcirculation and histology of healing bone (dogs)
 R01AM-17106-01 Stimulation of fracture healing by direct current (dogs)

SKELETAL DISORDERS, ORTHOPEDICS, FRACTURE FIXATION

- ** R01AM-14737-04 Influence of low modulus elasticity implant on healing (goat)
 ** R01AM-16625-01 Effect of delayed internal fixation on fracture healing

SKELETAL DISORDERS, ORTHOPEDICS, HIP PROSTHESIS

- R01AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
 R01AM-15821-03 Clinical and biochemical findings in fat embolism (human)
 ** R01AM-16116-01 Pressure distribution across human hip joint
 P01AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)
 P01AM-16120-03 0003 Development of total joint replacements - Clinical program
 ** R01AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
 ** R01AM-16600-01 In vivo loading on hip and knee joint replacements (human)
 P01GM-21056-01 0011 Interfacial behavior of biomaterials - Fixation of joint prostheses (monkeys)
 N01HB-42976-01 Clinical trials of aspirin and dipyridamole (human)
 N01HB-42977-01 Clinical trials of sulfapyrazone (human)

SKELETAL DISORDERS, ORTHOPEDICS, JOINT PROSTHESIS

SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, HIP PROSTHESIS

- M P01AM-16120-03 Development of total joint replacements
 ** P01AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)
 ** P01AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 ** P01AM-16120-03 0003 Development of total joint replacements - Clinical program
 ** R01AM-16600-01 In vivo loading on hip and knee joint replacements (human)
 ** R01AM-17408-01 Laxity in normal, arthritic and prosthetic knee joints (human)
 ** P01GM-21056-01 0011 Interfacial behavior of biomaterials - Fixation of joint prostheses (monkeys)

SKELETAL DISORDERS, ORTHOPEDICS, LIMB TRANSPLANTATION

- P01AM-16716-01 0010 Pathophysiological bases of muscle diseases - ACHE, membrane enzymes and trophic effects of nerves (chickens, mammals, human)
 ** R01HD-03484-08 0001 Developmental studies on the turtle - Embryonic limb bud and skin transplantation

SKELETAL DISORDERS, ORTHOPEDICS, LIMBS ARTIFICIAL

- P01GM-16436-06 0028 Bioengineering program project - Automatic alignment pylon for a patellar tendon bearing prosthesis
 ** R01GM-21430-01 Electrocutaneous feedback for artificial limbs (human)

SKELETAL DISORDERS, ORTHOPEDICS, SPINAL FUSION

- ** R01AM-17149-01 Bioengineering three-dimensional spinal analysis (human)
 P01GM-19489-03 0014 Study of human genetics - Definition and management of atlanto-axial subluxation in skeletal dysplasias

SKELETAL DISORDERS, ORTHOPEDICS, SYNOVECTOMY

- P11GM-15759-08 0048 Clinical pharmacology in rheumatic and muscular diseases - Immunologic changes in synovial fluid after synovectomy (human)
 M01RR-00051-13 0059 General clinical research center - Multiple parameters for measuring joint inflammation (human)

SKELETAL DISORDERS, ORTHOPEDICS, TRACTION

- R01AM-16031-02 Quantitative biomechanical study of fracture repair (rabbits)

SKELETAL DISORDERS, ORTHOTIC MATERIALS

- R01AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
 P01GM-14267-09 0014 Microelectronics laboratory for biomedical science - Implant stimulators for the disabled (cats, human)

SKELETAL DISORDERS, ORTHOTICS

SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, LIMBS ARTIFICIAL

- ** R01AM-10763-07 Ocular control systems for orthotics (human)
 N01CN-45120-00 Demonstration of cancer rehabilitation facilities and/or departments (human)
 N01CN-45126-01 Demonstration of cancer rehabilitation facilities and/or departments (human)
 N01CN-45133-01 Demonstration of cancer rehabilitation facilities and/or department (human)

SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC

SEE ALSO CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC

- ** R01AM-14974-04 Cellular mechanisms of calcification (cattle)
 R01GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
 R01HD-05624-04 Genetics and pathogenesis of the chondrodystrophies (human, mice, rabbits, dogs)

SKELETAL DISORDERS, OSTEITIS DEFORMANS

- P01AM-03564-15 0013 Mesenchymal tissues and their diseases - Collagenous structures destruction in rheumatoid arthritis
 ** P02AM-04501-13 0006 Metabolic disease research center - Calcitonin treatment of metabolic bone disease (human, salmon)
 P02AM-04501-13 0007 Metabolic disease research center - Collagen metabolism (human, rats)
 R01AM-07126-11 Metabolism of human bone
 R01AM-09579-09 Chemistry and localization of protein hormones (human)
 ** R01AM-11674-08 0002 Bone metabolism in chronic disorders - Studies in Paget's disease (human)
 R01AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
 R01AM-13921-14 0006 Structure and organization of collagen fibers - Biochemical changes in connective tissue diseases of bone and cartilage
 R01AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
 P01CA-16127-01 0028 Cancer Research and Treatment Center Program - Pi meson radiotherapy of osteogenic sarcoma of the extremity
 P11GM-15956-07 0005 Factors affecting the responses to drugs - Effect of fluoride on metabolic bone disease (human)

- ** P01RS-03358-13 0017 Sensory disease clinical research center - Temporal bone pathology (cats)
 ** M01RR-00031-14 0062 General clinical research center - Therapy evaluation in chronic skeletal disease (human)
 ** M01RR-00035-14 0107 General clinical research center - Treatment of Paget's disease (human)
 ** M01RR-00036-14 0044 General clinical research center - Paget's disease (human)
 ** M01RR-00036-14 0128 General clinical research center - Suppression of Paget's disease (human)
 ** M01RR-00042-14 0061 General clinical research center - Effect of mithramycin on Paget's disease of bone (human)
 ** M01RR-00043-14 0084 General clinical research center - Treatment of Paget's disease of bone with human calcitonin (human)
 ** M01RR-00071-11 0057 General clinical research center - Effect of diphosphonate in Paget's disease (human)
 ** M01RR-00073-12 0039 General clinical research center - Synthetic salmon calcitonin in Paget's disease (human)
 M01RR-00079-12 0117 General clinical research center - Diphosphonates for Paget's disease, effect of EHPD on renal calculi (human)
 M01RR-00080-12 0022 General clinical research center - Metastatic and metabolic bone disease (human)
 ** M01RR-00080-12 0060 General clinical research center - Effects of calcitonin in hypercalcemia, osteoporosis, and Paget's disease (human)
 ** M01RR-00095-14 0052 General clinical research center - Treatment Paget's disease with porcine calcitonin (human)
 ** M01RR-00096-14 0054 Clinical research center - Therapy of Paget's disease of bone (human)
 ** M01RR-00102-11 0002 General clinical research center - Calcitonin studies (human)
 ** M01RR-00261-09 0083 General clinical research center - Disodium etidronate and paget's disease
 ** M01RR-00262-09 0018 General clinical research center - Effect of mithramycin on Paget's disease (human)
 M01RR-00318-08 0028 General clinical research center - Calcitonin treatment in demineralizing diseases (human)
 ** M01RR-00318-08 0059 General clinical research center - Combined use of mithramycin and calcitonin in demineralizing bone disease (human)
 ** M01RR-00585-03 0009 General clinical research center - Therapeutic trials in metabolic bone disease (human)
 ** M01RR-00585-03 0024 General clinical research center - Sodium fluoride in Paget's disease (human)
 ** M01RR-00750-02 0007 General clinical research center - Disodium etidronate in treatment of Paget's disease (human)

- ** M01RR-00828-01 0005 General clinical research center - Effects of fluoride on bone (human)
 ** M01RR-00865-01 0030 General clinical research center - Effect of disodium etidronate on Paget's disease of bone (human)

SKELETAL DISORDERS, OSTEITIS FIBROSA CYSTICA

SEE ALSO METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN

- R01AM-11528-07 Control mechanisms of biological calcification (rats, human)
 ** M01RR-00080-12 0028 General clinical research center - Growth hormone studies (human)
 ** M01RR-00425-06 0009 General clinical research center - Osteodystrophy and divalent ions in renal failure (human)

SKELETAL DISORDERS, OSTEITIS FIBROSA DISSEMINATA

- M01RR-00030-13 0002 General clinical research center - Intracranial extracellular lesions on endocrine function (human)
 ** M01RR-00305-08 0070 Clinical research center for children - Azotemic osteodystrophy

SKELETAL DISORDERS, OSTEOCHONDRITIS (DEFORMANS)

SEE ALSO SKELETAL DISORDERS, SPINAL CURVATURES, SCHEUERMANN'S DISEASE

- R01AI-09813-04 Structure, genetics and evolution of IgA globulins (human, monkeys)
 R01AI-10664-09 Structure and function of immunoglobulins (human)
 R01AI-10854-03 J chain of human pathologic immunoglobulins

SKELETAL DISORDERS, OSTEOMYELITIS

- R01AI-06931-09 Host reactions to microorganisms in chronic disease (human)
 R01AI-08821-05 Opsonins in phagocytosis (human, rabbits)
 R01AI-11598-01 Surface antigens in Staphylococcal infections (mice, rabbits)
 ** P18HL-15166-03 0003 Comprehensive sickle cell disease center - Production of salmonella osteomyelitis and necrosis of long bones (rats)
 P18HL-15169-03 0014 Comprehensive sickle cell disease center - Orthopaedic aspects of sickle cell disease including avascular necrosis (human)

SKELETAL DISORDERS, OSTEOSCLEROSIS

- R01AM-15443-03 Regulation of erythroid maturation (human, rabbits, guinea pigs, mice)
 P02CA-11265-05 0018 General clinical cancer research center - Myeloproliferative syndromes (human)

SKELETAL DISORDERS, SPINAL CURVATURES, KYPHOSIS

SEE ALSO SKELETAL DISORDERS, SPINAL CURVATURES, SCHEUERMANN'S DISEASE

- R01HL-12530-06 Emphysema-Respiratory function in disease (human, dogs)
 ** R01MH-13279-08 Neuroendocrine mechanisms in behavior (rats)

SKELETAL DISORDERS, SPINAL CURVATURES, SCHEUERMANN'S DISEASE

- M01RR-00400-06 0043 General clinical research center - adult - Metabolic bone studies in adolescent hypophysis and Turners syndrome (human)

SKELETAL DISORDERS, SPINAL CURVATURES, SCOLIOSIS

- ** R01AM-00149-22 0002 Mucopolysaccharides in skeletal growth disorders - Children with idiopathic adolescent scoliosis
 R01AM-00149-22 0003 Mucopolysaccharides in skeletal growth disorders - Protoglycans-collagen interactions
 R01AM-00149-22 0006 Mucopolysaccharides in skeletal growth disorders - Extraction and purification of collagen from vertebral discs
 P01AM-03564-15 0026 Mesenchymal tissues and their diseases - Destruction of collagenous structures in rheumatoid arthritis
 ** R01AM-15278-01 Study of scoliosis (chickens)
 ** R01AM-15575-03 Biomechanical studies of idiopathic scoliosis (human)
 ** R01AM-17149-01 Bioengineering three-dimensional spinal analysis (human)

SKELETAL DISORDERS, SPINAL DISORDERS

SEE ALSO CONGENITAL ABNORMALITIES, FUSION FAILURES, SPINA BIFIDA

- SEE ALSO INJURIES, BACK, SPINAL
 SEE ALSO SKELETAL DISORDERS, SPONDYLITIS
 SEE ALSO SKELETAL DISORDERS, SPONDYLITIS RHEUMATOID
 SEE ALSO SKELETAL DISORDERS, SPONDYLOSIS
 R01AM-17149-01 Bioengineering three-dimensional spinal analysis (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

MO1RR-00052-13 0019 General clinical research center for children - Genetic disorders of osseous skeleton

SKELETAL DISORDERS, SPONDYLITIS

PO1A-11313-02 0001 Humoral, cellular and genetic mechanisms in autoimmunity - Information handling in clinical research (human)

SKELETAL DISORDERS, SPONDYLITIS RHEUMATOID

- ** RO1AM-02375-16 HL-A antigens in diseases (human)
- RO1AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
- ** PO1GM-14231-09 0029 Natural history of heart, cancer, stroke in a population - Ankylosing spondylitis
- ** MO1RR-00096-14 0042 Clinical research center - Methods for correcting deformities of ankylosing spondylitis (human)

SKELETAL DISORDERS, SPONDYLOSIS

** RO1NS-11539-01 Experimental cervical myelopathy (dogs)

SKELETAL DISORDERS, SYNOVITIS

SEE ALSO SKELETAL DISORDERS, ANKYLOSIS

- ** PO1AM-01431-18 0007 Rheumatic diseases - Pathology (human)
- ** RO1AM-08418-10 Local immune response in rheumatoid synovitis (human)
- RO1AM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
- RO1AM-15544-03 Erysipelothrix model of rheumatoid arthritis etiology (swine, rabbits)
- RO1AM-16209-01 Immune complexes in chronic inflammation (rabbits)
- RO1AM-16326-02 Rheumatoid arthritis
- MO1RR-00051-13 0059 General clinical research center - Multiple parameters for measuring joint inflammation (human)

SKELETAL DISORDERS CHEMOTHERAPY

SEE ALSO SKELETAL PHARMACOLOGY

- PO1A-11313-02 0001 Humoral, cellular and genetic mechanisms in autoimmunity - Information handling in clinical research (human)
- ** RO1NS-11821-01 Diphenylhydantoin-induced cleft palate inhibition by B12 congeners (mice)
- MO1RR-00030-13 0116 General clinical research center - Effect of disodium etidronate in diseases of ectopic calcification (human)
- ** MO1RR-00030-13 0126 General clinical research center - Bioavailability studies of fenopropfen (human)
- MO1RR-00031-14 0015 General clinical research center - Cellular basis of bone disorders (human)
- ** MO1RR-00031-14 0062 General clinical research center - Therapy evaluation in chronic skeletal disease (human)
- MO1RR-00037-14 0132 General clinical research center - Renal function, growth and bone disease in children
- MO1RR-00042-14 0061 General clinical research center - Effect of mithramycin on Paget's disease of bone (human)
- MO1RR-00043-14 0084 General clinical research center - Treatment of Paget's disease of bone with human calcitonin (human)
- MO1RR-00047-14 0097 General clinical research center - Human growth hormone activity in relation to dwarfism (human)
- ** MO1RR-00051-13 0053 General clinical research center - Osteomalacia - Effect of Ca and PO4 infusions (human)
- MO1RR-00052-13 0019 General clinical research center for children - Genetic disorders of osseous skeleton
- ** MO1RR-00062-12 0026 Clinical research center, children - Idiopathic juvenile osteoporosis
- ** MO1RR-00064-10 0079 General clinical research center - Naproxen in osteoarthritis and meclofenamic acid in rheumatoid (human)
- MO1RR-00071-11 0057 General clinical research center - Effect of diphosphonate in Paget's disease (human)
- MO1RR-00071-11 0061 General clinical research center - Evaluation of alpha-methyl-levo-para-tyrosine in dyskinesias (human)
- MO1RR-00096-14 0041 Clinical research center - Effect of growth hormone and calcitonin on osteoporosis and bone disease (human)
- MO1RR-00096-14 0054 Clinical research center - Therapy of Paget's disease of bone (human)
- MO1RR-00096-14 0062 Clinical research center - Long acting aspirin preparation for arthritis (human)
- ** MO1RR-00125-11 0209 General clinical research center - adult-child - Osteogenesis imperfecta treated with magnesium oxide
- MO1RR-00261-09 0083 General clinical research center - Disodium etidronate and paget's disease
- MO1RR-00262-09 0018 General clinical research center - Effect of mithramycin on Paget's disease (human)
- MO1RR-00318-08 0011 General clinical research center - Use of thyrocalcitonin in treatment of osteogenesis imperfecta (human)
- MO1RR-00318-08 0028 General clinical research center - Calcitonin treatment in demineralizing diseases (human)
- MO1RR-00318-08 0059 General clinical research center - Combined use of mithramycin and calcitonin in demineralizing bone disease (human)
- MO1RR-00318-08 0070 General clinical research center - 25 Hydroxycholecalciferol for bone disease of calcium malabsorption (human)

- ** MO1RR-00633-02 0010 General clinical research center - Treatment of steroid induced osteoporosis (human)
- MO1RR-00865-01 0029 General clinical research center - Osteodystrophy secondary to renal tubular states (human)
- MO1RR-00865-01 0030 General clinical research center - Effect of disodium etidronate on Paget's disease of bone (human)

SKELETAL DISORDERS CONGENITAL

SEE CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)

SKELETAL DISORDERS DIAGNOSIS

SEE SKELETAL EXAMINATIONS*

SKELETAL EXAMINATIONS*

SEE ALSO BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*
SEE ALSO SKELETAL VISUALIZATION*

- PO1AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)
- PO1DE-02872-05 0013 Craniofacial anomalies - Growth studies in Pierre Robin syndrome (human)
- ** MO1RR-00044-14 0067 General clinical research center - Fluoride and hydroxyproline as indicators of bone metabolism (human)
- MO1RR-00052-13 0019 General clinical research center for children - Genetic disorders of osseous skeleton
- MO1RR-00102-11 0008 General clinical research center - Skeletal maturation (human)
- ** MO1RR-00261-09 0096 General clinical research center - Metabolic studies on human cartilage

SKELETAL MOVEMENT, BODY MOVEMENT

SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

SEE ALSO NEUROMOTOR SYSTEM

SEE ALSO ORAL-PHARYNGEAL, JAW MOVEMENT

- RO1AM-17432-01 Quantitated function correlated with physical impairment
- RO1DE-02852-07 Development of the palate and lip (mice, rats, rabbits)
- ** RO1EY-01191-02 0005 Vision and visuomotor mechanisms - Vision and movement (human)
- RO1EY-01191-02 0006 Vision and visuomotor mechanisms - Development of coordination in infant monkey
- RO1GM-17866-21 Genetic control of macromolecular syntheses (leeches)
- PO1HD-01799-09 0011 Mental retardation research center - Development of movement control systems in primates
- RO1HD-02982-08 Behavior, hormones and brain function (rats, hamsters, rabbits)
- RO1HD-04863-05 Social development after malnutrition in infancy (monkeys)
- ** RO1MH-03372-15 0028 Neural mechanisms in behavior - Movement planning and weight comparisons (human)
- ** RO1MH-03372-15 0029 Neural mechanisms in behavior - Learning a two-hand coordination task in commissurotomy patients
- ** RO1MH-03372-15 0030 Neural mechanisms in behavior - Perceptual-motor learning and bilateral transfer in commissurotomy patients
- RO1MH-07995-11 0003 Heart rate conditioning - Operant conditioning of heart rate (human)
- RO1MH-07995-11 0006 Heart rate conditioning - Sympathetic influences on heart rate during stress (human)
- ** RO1MH-11976-10 Communication through nonverbal behavior
- RO1MH-13269-08 Physiology and psychophysiology of sleep and dreaming (human, cats, rats)
- RO1MH-14383-05 Altered clinical states
- RO1MH-16954-04 Effects of somatosensory deafferentation (monkeys, opossum)
- RO1MH-16955-05 Neural conditioning and development (mice)
- RO1NS-05721-10 Neurogenesis and development of behavior (chick embryos)
- ** PO1NS-05820-09 0005 Research center for cerebral vascular diseases - Training in hemiplegia recovery (human, primates)
- ** PO1NS-06828-08 0023 Neurophysiology - Sensory systems and cerebral cortex - Neurons of parietal area 5 in relation to movement
- ** PO1NS-06828-08 0036 Neurophysiology - Sensory systems and cerebral cortex - Postural reactions of the intact animal
- ** RO1NS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)
- ** RO1NS-07888-08 Neural aspects of posture and locomotion (cats)
- ** RO1NS-08221-06 Role of cerebellum in control of movement (cats, monkeys)
- ** RO1NS-08596-06 Neural processes in somatic movement (monkeys)
- RO1NS-08692-05 Motor control system (human)
- ** RO1NS-09050-04 Neuronal control of locomotion and neuronal ontogeny (animals)
- RO1NS-09083-04 Behavioral neurophysiology (locust)
- ** RO1NS-09279-03 Acquisition of visual-motor capacities (cats, human)
- ** RO1NS-09447-04 Organization and function of CNS structures in motor control (monkeys, cats)

- RO1NS-09884-03 Timing and coding of cerebellar output (monkeys)
- ** RO1NS-10509-03 Functional analysis of the nervous system (helminths)
- ** RO1NS-10705-02 Cerebral cortical control of movement (cats, monkeys)
- ** RO1NS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)
- PO1NS-10940-02 0003 Otophysiology and otopathology program project - Animal vestibular laboratory (monkeys, cats)
- RO1NS-11219-02 Interrelationships to sensorimotor neurons (cats)
- RO1NS-12030-01 Central interactions with somatosensory neurons (cats)
- MO1RR-00133-10 0053 General clinical research center - Effect of post-operative peridural analgesia on pulmonary therapy (human)

SKELETAL MOVEMENT, HEAD MOVEMENT

- RO1HD-06002-03 Age and the processing of successive visual stimuli
- ** RO1MH-11089-10 Factors in the constancy of visual direction (human)
- RO1NS-05873-09 Binaural hearing (human)
- RO1NS-06542-09 Forebrain organization and anatomical plasticity (cats, rats)
- RO1NS-09279-03 Acquisition of visual-motor capacities (cats, human)
- ** RO1NS-09343-04 Eye-head coordination (monkeys)
- RO1NS-09654-04 Genetic variants of synaptic proteins (nematodes)

SKELETAL MOVEMENT, IMMOBILIZATION

SEE ALSO HEALTH, PHYSICAL FITNESS

- RO1AM-08893-10 Mechanisms responsible for ligamentous strength (animals)
- ** RO1AM-14918-04 Connective tissue response to immobility (human, rabbits, dogs)
- RO1AM-15762-03 Tendon regeneration and development (chickens, chick embryo, human)
- RO1AM-15980-02 0002 Hemodynamic factors in fractures and bone disease - Blood flow in experimental fracture (dogs)
- PO2CA-11051-06 0042 Clinical radiation research center - Radiation physics - Immobilization devices (human)
- RO1MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- RO2NU-00444-02 Nursing care in prevention of bed sores
- ** MO1RR-00053-13 0042 Clinical research center - Prevention of immobilization osteoporosis (human)
- ** MO1RR-00633-02 0045 General clinical research center - Effect of immobilization on rheumatoid arthritis (human)

SKELETAL MOVEMENT, LIMBS MOVEMENT

- RO1AM-10763-07 Ocular control systems for orthotics (human)
- ** RO1AM-14486-04 Biomechanics of hip disease (human)
- ** RO1AM-14659-03 Influence of wrist pathomechanics on hand function (human)
- ** PO1AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)
- RO1AM-17408-01 Laxity in normal, arthritic and prosthetic knee joints (human)
- ** RO1AM-17482-01 Effect of joint motion on articular cartilage (dogs)
- RO1MH-08423-10 Memory and interference in classical conditioning (cats)
- ** RO3MH-25886-01 Neural hierarchies and the control of movement (crabs)
- ** RO1NS-02289-15 Studies in cerebellar physiology (monkeys, cats)
- RO1NS-02619-15 Studies on motor control (cats)
- RO1NS-03045-12 Conditioning in the absence of sensory feedback (monkeys)
- PO1NS-06827-08 0001 Integrated approaches to neurobiological problems - Neurochemical studies (Salamander)
- ** PO1NS-06828-08 0024 Neurophysiology - Sensory systems and cerebral cortex - Sensory events in the limb movements, in the waking, behaving monkey
- RO1NS-09279-03 Acquisition of visual-motor capacities (cats, human)
- RO1NS-09462-02 Objective measurements of neuromotor spasticity (human)
- ** RO1NS-10183-03 Cortical neuronal mechanisms of motor control (primates)
- ** RO1NS-10311-03 Cerebellar cerebral interactions (monkeys)
- RO1NS-10423-01 Significance of muscle fiber types (guinea pigs, cats, bushbaby)
- ** RO1NS-10464-03 Role of central feedback mechanisms in skilled acts (monkeys)
- RO1NS-10783-03 Segmental reflexes mediated by joint afferent neurons (cats)
- ** RO1NS-11491-01 Interlimb aspects of neural control of locomotion (cat)
- ** RO1NS-11518-01 Motor unit organization during locomotion (cats)
- ** RO1NS-11798-01 Cerebellar correlates of motor performance (cats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

|| Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R02NU-00434-02 Upper extremity positioning of stroke patients
- SKELETAL MOVEMENT, LOCOMOTION**
- ** R01AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- R01AM-16805-01 Structure, biomechanics and bone (apes, human)
- R01AM-17432-01 Quantitated function correlated with physical impairment
- R01NS-10600-02 Role of pineal organ in brain function (fish)
- ** R01NS-11491-01 Interlimb aspects of neural control of locomotion (cat)
- SKELETAL MOVEMENT, LOCOMOTION, FLYING**
- ** R01NS-07314-08 Central nervous generation of motor output patterns (flies, crayfish)
- R01NS-09083-04 Behavioral neurophysiology (locust)
- SKELETAL MOVEMENT, POSTURE**
- P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- R01AM-16805-01 Structure, biomechanics and bone (apes, human)
- R01AM-17341-01 Humoral inhibitor of sodium transport (human, rats, dogs, toads)
- P01GM-15571-06 0079 Anesthesia research-Program project - Intensive care unit
- P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
- R01HL-03191-17 Cardiopulmonary disability for muscular exercise (human, dogs)
- R01HL-03303-17 Factors regulating electrolyte excretion by the kidney (human, dogs)
- R01HL-10009-09 Pulmonary blood flow distribution in man
- R01HL-10622-08 Volumes and compliance of pulmonary circulation (human, dogs)
- R01HL-12090-07 Alveolar ventilation in anesthetized man
- P01HL-12373-06 0003 Cardiopulmonary physiology and pathophysiology - Myocardial function in man
- R01HL-13880-04 Effect of cardiac disease on ADH release (human)
- R01HL-14124-02 Factors which alter pulmonary capillary blood volume (human, dogs)
- P17HL-14150-04 0001 Specialized center of research in hypertension - Humoral and neural control of vasomotor tone (human)
- R01HL-14593-03 Pulmonary mechanics (dogs, baboons, cats)
- P01HL-15194-02 0010 Pathophysiology of cardiopulmonary dysfunction - Ventilation-perfusion ratios measurements of elimination of inert gases
- R01HL-15947-01 Prostaglandins and hypertension (human, rats, dogs, monkeys)
- P01HL-16910-01 0003 Regulation of the peripheral circulation - Thermoregulation and control of circulation to the skin (human, baboons)
- P01HL-16910-01 0006 Regulation of the peripheral circulation - Regulation of blood flow distribution (human, baboons)
- P01MH-11668-09 0092 Psychosocial factors in health and disease - Gestures, posture, facial expressions associated with giving up
- ** R01NS-00294-20 Oculomotor system and body postural mechanisms (human, monkeys, cats)
- ** R01NS-02289-15 Studies in cerebellar physiology (monkeys, cats)
- ** R01NS-04744-11 Neural mechanisms of postural control (dogs)
- P01NS-06655-09 0001 Cerebrovascular research unit for study of TIA - Prolonged cerebral blood pressure monitoring (human)
- P01NS-06779-06 0005 Cerebrovascular clinical research center - Vasomotor mechanisms and neural control of CV function (cats, dogs, human)
- P01NS-06779-06 0013 Cerebrovascular clinical research center - Monitoring and screening cardiorespiratory interaction (human)
- ** P01NS-06828-08 0036 Neurophysiology-Sensory systems and cerebral cortex - Postural reactions of the intact animal
- ** R01NS-07888-08 Neural aspects of posture and locomotion (cats)
- R01NS-09656-04 Speech breathing mechanics (human)
- R01NS-09884-03 Timing and coding of cerebellar output (monkeys)
- ** R01NS-09957-03 Postural regulation of loaded crayfish abdomen
- R01NS-10647-01 Studies of spinal response plasticity (cat)
- ** R01NS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)
- M01RR-00031-14 0030 General clinical research center - Pituitary-adrenal axis-Hypertension
- M01RR-00031-14 0037 General clinical research center - Hemodynamics and endocrine patterns in hypertension (human)
- M01RR-00031-14 0068 General clinical research center - Pituitary-adrenal relationship-Aldosterone secretion in normal man

- ** M01RR-00034-14 0039 General clinical research center - Postural changes in left ventricular and mitral valve dynamics (human)
- M01RR-00035-14 0126 General clinical research center - Assay for catecholamines (human)
- M01RR-00037-14 0033 General clinical research center - Hemodynamic effects of upright exercise (human)
- M01RR-00039-14 0011 General clinical research center - Humoral factor which inhibits sodium transport (toads, rats, dogs)
- M01RR-00043-14 0082 General clinical research center - Progress of PGAI dynamics and production rates (human)
- M01RR-00051-13 0003 General clinical research center - Control of hypoxemia in chronic airway obstruction and cor pulmonale (human)
- ** M01RR-00056-13 0053 General Clinical Research Center - Effect of postures on cycles of renal and adrenal function (human)
- M01RR-00065-12 0038 General clinical research center - Relationship of renin-angiotensin system, ACTH on adrenal steroid output (human)
- M01RR-00070-12 0102 General clinical research center - Metabolism of aldosterone and excretion of metabolites (human)
- M01RR-00080-12 0008 General clinical research center - Distal tubular disorders (human)
- M01RR-00095-14 0024 General clinical research center - Renin mechanisms (human)
- ** M01RR-00096-14 0050 Clinical research center - Congenital rubella and opisthotonic posturing in 3-yr old
- M01RR-00125-11 0162 General clinical research center - adult-child - Adrenal hyperfunction (Cushing's syndrome)
- M01RR-00125-11 0210 General clinical research center - adult-child - Efficacy of postural drainage in cystic fibrosis
- ** M01RR-00229-09 0001 General clinical research center - Idiopathic edema (human)
- ** M01RR-00229-09 0034 General clinical research center - Pathogenesis of postural hypotension (human)
- ** M01RR-00229-09 0038 General clinical research center - Role of posture in proteinuria, sodium retention in nephrotic syndrome (human)
- ** M01RR-00229-09 0048 General clinical research center - Role of bradykinin in a new postural syndrome (human)
- ** M01RR-00533-06 0018 General clinical research center, adult - Metabolism of estrone sulfate
- M01RR-00533-06 0041 General clinical research center, adult - Steroid interconversion and clearance rates (human)
- M01RR-00585-03 0018 General clinical research center - Alveolar ventilation in anesthetized man
- M01RR-00827-01 0009 General clinical research center - Effect of sodium, posture antihypertensive agents on renin-aldosterone (human)

SKELETAL NEOPLASMS

- R01AM-08482-10 Protein polysaccharides of connective tissue (mice, human)
- P01CA-12582-04 0010 Multidisciplinary cancer diagnosis and therapy - Combination chemo-immunotherapy
- R01HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)

SKELETAL NEOPLASMS, BONE NEOPLASMS

- SEE ALSO BLOOD AND RE NEOPLASMS, BONE MARROW NEOPLASMS
- SEE ALSO SKELETAL NEOPLASMS, OSTEOGENIC SARCOMA
- R01AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- ** P01AM-17110-07 0014 Program project in biomaterials calcified tissue - Effect of ICRF 159 on murine osteosarcoma (mice)
- ** P02CA-05826-13 0059 Clinical cancer research center - Calcium metabolism in cancer and metabolic bone disease
- ** P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
- ** P02CA-05838-13 0019 Clinical radiotherapy cancer research center - Combined radio- and chemotherapy-Osteogenic sarcomas
- ** R01CA-06263-13 Computer analysis of tumor roentgenograms (human)
- ** P01CA-08748-09 5534 Research program of Sloan-Kettering Institute - Fluorine-18 scanning for bone lesions in cancer patients
- R10CA-10382-08 Childrens cancer study group A
- R01CA-11606-05 American Joint Committee
- R01CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
- R01CA-14955-02 Follow-up study of fluorotrat patients
- R01CA-15857-01 Clinical chemotherapy and pharmacology
- R18CA-16402-01 0001 Cancer control development grant - Model referral system for cancer therapy (adults, children)
- R01GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
- R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- ** M01RR-00080-12 0022 General clinical research center - Metastatic and metabolic bone disease (human)

SKELETAL NEOPLASMS, CARTILAGE NEOPLASMS

- P01AM-05996-13 0014 Biochemistry of connective tissues - Xyloxytransferase in synthesis of chondroitin sulfate (chick embryo, rat)

- P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
- ** P01CA-08748-09 5535 Research program of Sloan-Kettering Institute - Therapy of chondrosarcoma and chordoma with 5-35 (human)
- R10CA-10186-08 Western cancer study group
- ** R01CA-15626-01 Proteoglycans of normal and malignant cartilage (human, animals)
- SKELETAL NEOPLASMS, CHONDROBLASTOMA**
- ** S06RR-08067-03 CUPR biomedical research program (Catholic Univ Puerto Rico)
- SKELETAL NEOPLASMS, OSTEOGENIC SARCOMA**
- ** R01AM-15287-03 Cartilage production in cell culture (chick embryo, human)
- R10CA-02971-18 Childrens cancer study group A
- R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
- R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
- R10CA-03750-17 Childrens cancer study group A
- R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
- ** P02CA-05826-13 0090 Clinical cancer research center - Pediatric oncology-osteogenic sarcoma
- P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
- P02CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
- ** P02CA-05834-13 0049 Cancer clinical research center - Osteosarcoma (human)
- ** P02CA-05838-13 0019 Clinical radiotherapy cancer research center - Combined radio- and chemotherapy-Osteogenic sarcomas
- P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
- P02CA-05838-13 0029 Clinical radiotherapy cancer research center - Surgical pathology laboratory
- P02CA-06516-12 0006 Cancer center support grant-Comprehensive - Pediatric neoplasms
- R10CA-07306-11 Childrens cancer study group A
- R10CA-07439-11 Childrens cancer study group A
- P01CA-08748-09 6907 Research program of Sloan-Kettering Institute - Immunofluorescent studies on human tumors-Search for antigens
- P01CA-08748-09 7802 Research program of Sloan-Kettering Institute - Cell-associated immunity to cancer (human, mice)
- ** P02CA-08832-08 0132 An integrated study of advanced malignant diseases - High-dose preoperative radiation of osteosarcoma (human)
- ** P02CA-08832-08 0133 An integrated study of advanced malignant diseases - Surgery, chemotherapy and pulmonary radiation in osteosarcoma (human)
- R10CA-10456-07 Acute leukemia group B operations office
- R10CA-11075-06 Childrens cancer study group A
- R10CA-11233-06 Southwestern cooperative chemotherapy study group
- ** P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
- P02CA-12247-03 0021 Pediatric oncology center - Platelet biochemistry (dogs, human)
- R10CA-12271-04 Central oncology group
- P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
- P01CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
- ** P02CA-13053-03 0057 Clinical cancer radiation therapy research center - Combination chemotherapy in children with primary osteosarcoma
- P02CA-13053-03 0061 Clinical cancer radiation therapy research center - Fluorouracil in pediatric solid tumors
- P02CA-13053-03 0075 Clinical cancer radiation therapy research center - Combined pulmonary irradiation and fluorouracil therapy in lung tumors (human)
- P02CA-13053-03 0076 Clinical cancer radiation therapy research center - Chemotherapy of metastatic solid tumors with DC and adriamycin (children)
- ** P02CA-13053-03 0078 Clinical cancer radiation therapy research center - Osteogenic sarcoma chemotherapy with methotrexate-cytovorum factor (children)
- ** P02CA-13053-03 0079 Clinical cancer radiation therapy research center - Osteogenic sarcoma-Methotrexate chemotherapy and radiotherapy (children)
- R10CA-13457-02 Radiation therapy oncology group
- P01CA-14536-01 0087 Cancer Institute core proposal - Pediatric cancer center
- R10CA-14557-01 Children's cancer study group A
- ** P02CA-15083-01 0012 Cancer Center Support Grant-Mayo Foundation - Management of pediatric cancer
- ** P01CA-15820-01 0006 Comparative Oncology Research Program - Therapeutic studies-Radiation and adriamycin in osteogenic sarcoma (dogs)
- P01CA-16127-01 0010 Cancer Research and Treatment Center Program - Transfer factor therapy in osteogenic sarcoma

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** PO1CA-16127-01 0028 Cancer Research and Treatment Center Program - Pi meson radiotherapy of osteogenic sarcoma of the extremity
- ** NO1CB-43878-00 Transfer factor therapy of sarcoma (human)
- ** NO1CP-33393-02 Human sarcomas and possible viral etiology
- ** PO1HD-05894-04 0007 Genetic childhood diseases and aging - Nature and clinical use of transfer factor (human)
- ** PO1HD-05894-04 0009 Genetic childhood diseases and aging - Significance of alpha-1 glycoprotein in cerebral tumors of infancy
- MO1RR-00034-14 0066 General clinical research center - Modification of cellular immunity in neoplasia (human)
- ** MO1RR-00054-13 0056 General clinical research center - Osteogenic sarcoma (human)
- ** MO1RR-00082-12 0002 General clinical research center - Passive transfer of white cells vs osteosarcoma (human, rabbits)

SKELETAL NEOPLASMS, SYNOVIAL

- PO1CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery

SKELETAL PHARMACOLOGY

- SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
- RO1AM-17054-01 Sodium urate nucleation (human)
- PO1DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
- RO1HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)

SKELETAL STRESS

- ** RO1AM-03865-15 Structure and physical properties of bone (human)
- RO1AM-07822-11 Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles)
- ** RO1AM-14063-03 Quantitation of bone transplant repair (dogs, human)
- ** RO1AM-14486-04 Biomechanics of hip disease (human)
- ** RO1AM-14737-04 Influence of low modulus elasticity implant on healing (goat)
- RO1AM-14964-03 Development of salvage prosthesis for the knee joint (human)
- RO1AM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
- RO1AM-15216-04 Molecular basis of joint lubrication (cattle, human)
- RO1AM-15575-03 Biomechanical studies of idiopathic scoliosis (human)
- RO1AM-16031-02 Quantitative biomechanical study of fracture repair (rabbits)
- RO1AM-16058-03 Failure and repair of bone (cattle, dogs, human, rats)
- RO1AM-16067-03 Hydrophilic methacrylates as self-locking implants (dogs, rabbits)
- ** RO1AM-16116-01 Pressure distribution across human hip joint
- RO1AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
- RO1AM-16600-01 In vivo loading on hip and knee joint replacements (human)
- RO1AM-16612-01 Bioelectric phenomena in bone (human, dogs)
- RO1AM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)
- ** RO1AM-17614-01 Quantification of bone stresses during remodeling (rabbits)
- ** RO1AM-18069-01 An investigation of joint degeneration (rabbits, human)
- RO1DE-02931-08 Morphology of periodontal and temporomandibular joint (primates)
- ** RO1GM-19107-02 The traumatology of the head and spine (human, monkeys)
- ** PO1HD-04872-04 0003 Metabolism and aging - Bone quality in osteoporosis (human, rats)
- RO1HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
- RO1MH-18396-03 Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys)
- RO1NS-10783-03 Segmental reflexes mediated by joint afferent neurons (cats)

SKELETAL SYSTEM (GENERAL)

- SEE ALSO MUSCLES
- RO1AM-15521-03 0004 Nutritional and metabolic effects of fluorides - Possible essentiality of fluoride in the mouse
- NO1DA-40107-00 Scientific information re legal decisions for control of drugs (human, animals)
- PO1ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)
- PO1ES-00260-12 0028 Research in the environmental health sciences - Alpha dosimetry (human)
- PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- ** RO1HD-02619-08 Development of skeletal weights in children (primates)

- RO1HD-04675-03 Nature of growth in the non-pubescent child
- RO1HL-16348-01 Ion transport thru membranes and cell acid-base state
- ** R13HL-16410-01 Gordon conference on cardiac and skeletal muscle

SKELETAL SYSTEM, ANTLERS

- RO1AM-15552-03 Model for chondrogenic and osteogenic studies (deer)

SKELETAL SYSTEM, BONE

- SEE ALSO EAR, AUDITORY OSSICLES
- SEE ALSO SKELETAL SYSTEM (GENERAL)
- ** RO1AM-02896-14 The surface chemistry of bone mineral
- PO1AM-03564-15 0006 Mesenchymal tissues and their diseases - Collagen heterogeneity in growing bone in rickets (chicks)
- ** RO1AM-06205-13 Parathyroid and bone metabolism (rats)
- RO1AM-07626-11 Bioelectrical properties of connective tissues (human, amphibians, cattle, rats)
- RO1AM-09132-10 Biochemistry of bone and connective tissue (cattle, chick embryo)
- PO1AM-09650-10 0015 Hormonal and ionic control of metabolism - Periodicities of endocrine function (human)
- RO1AM-10358-09 Effects of penicillamine on collagen metabolism (human, rats, cattle)
- RO1AM-13748-06 Molecular development of collagen fibers (chicks, mice, hamsters)
- RO1AM-13921-14 0006 Structure and organization of collagen fibers - Biochemical changes in connective tissue diseases of bone and cartilage
- RO1AM-14496-03 Interaction of parathyroid hormone with bio-membranes (rats)
- ** RO1AM-14717-04 Relationship of thyrocalcitonin to bone phosphate (rats, mice)
- RO1AM-15464-02 Calcium isotopic composition in metabolic disorders
- PO1AM-15671-04 0002 The biology of skeletal and other connective tissues - Nature of initial mineral deposits in bone (rats, chick embryo)
- ** PO1AM-15671-04 0011 The biology of skeletal and other connective tissues - Crosslinks in bone collagen (chickens, rats)
- PO1AM-15671-04 0034 The biology of skeletal and other connective tissues - Electron microscopic studies on the mineral phase of calcification (mice)
- PO1AM-15671-04 0035 The biology of skeletal and other connective tissues - Amino acid sequence of two phosphorylated polypeptides (cattle)
- PO1AM-15671-04 0049 The biology of skeletal and other connective tissues - Isolation of tissue collagenase from homogenates of embryonic chick bones
- ** RO1AM-15979-01 Effect of oestrogen, F, and P, on demineralized bone
- RO1AM-16061-03 Theoretical and therapeutic aspects of calcification (human)
- ** RO1AM-16118-01 An investigation of joint degeneration
- RO1AM-16449-01 Nucleation of calcification by hard tissue collagen
- RO1AM-16612-01 Bioelectric phenomena in bone (human, dogs)
- RO1AM-16805-01 Structure, biomechanics and bone (apes, human)
- ** RO1AM-17074-01 Role of bone membranes in calcium regulation
- PO1AM-17110-07 0002 Program project in biomaterials calcified tissue - Localization of tritiated parathyroid hormone in bone (rats)
- ** RO1AM-18063-01 Parathyroid and bone metabolism (rats)
- PO1CA-08748-09 5556 Research program of Sloan-Kettering Institute - Fluorine-18 metabolism in the acutely uremic rat
- RO1CA-12764-03 Selective inhibitors of cancer metastasis (mice, rats)
- ** RO1CA-14414-02 Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human)
- ** RO1CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
- RO1DE-01374-14 State of collagen in calcified tissues
- ** RO1DE-01523-13 Metabolic pathways in bone (mice)
- RO1DE-01547-13 Tissue culture and electron microscopy of the gingiva (animals)
- RO1DE-01764-12 Ultrastructural aspects of calcification (birds, rats)
- PO1DE-01850-11 0015 Fluoride metabolism - Acute fluoride toxicity (rats)
- ** PO1DE-01850-11 0044 Fluoride metabolism - Calcium determination in bone ash
- ** RO1DE-01919-12 Biophysical methods applied to teeth (dinosaur)
- RO1DE-02636-08 Mobilization of connective tissue components (rabbits, rats, human)
- ** RO1DE-02659-08 0001 Solubility and diffusion of calcium phosphates - Enamel and bone solubility (human)
- ** P13DE-02668-08 0003 Dental research center - Mineral metabolism (mollusks)
- ** P13DE-02668-08 0009 Dental research center - Mineral metabolism (mammals, nonhuman)
- P13DE-02668-08 0012 Dental research center - Mineral metabolism (chick embryo, rats)

- P13DE-02668-08 0015 Dental research center - Mineral metabolism (chick embryo, rats)
- RO1DE-02716-06 Mineralogy of calcifying tissues-Teeth and bones (human, sheep)
- PO1DE-02848-06 0019 Biology of connective tissue, bones and teeth - Vasculization and avascularization (chick embryo, rabbits, hamsters)
- ** PO1DE-02849-06 0030 Mechanism and treatment of periodontal disease - Study of factors activating or inhibiting mouse bone collagenase
- PO1DE-02849-06 0031 Mechanism and treatment of periodontal disease - Isolation of tissue collagenase from homogenates of embryonic chick bones
- PO1DE-02849-06 0032 Mechanism and treatment of periodontal disease - Nature of peptides released from bone during collagen biosynthesis
- PO1DE-02849-06 0037 Mechanism and treatment of periodontal disease - Purification of mouse bone collagenase
- ** RO1DE-03191-03 Nutrition and lipids of bone and teeth (rats, cows, rabbits)
- RO1DE-03556-03 Prostaglandins and periodontal disease
- ** R23DE-03904-01 Direct current stimulation of bone ingrowth into porous aluminum oxide (dogs)
- RO1GM-10797-09 0004 Pattern recognition in clinical medical laboratories - White blood cell analysis
- PO1GM-16436-06 0031 Bioengineering program project - Optical and ultrasonic propagation analysis in tissue
- RO1GM-16498-06 Metabolism of volatile fluorinated anesthetics in man
- RO1GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)
- RO1GM-18805-03 Wound healing vs tissue regeneration (rabbit)
- ** PO1HD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
- ** RO1HD-03677-07 Skeletal cell and matrix changes during aging (mice)
- ** RO1HD-04110-04 Virus induced disorders of growth and development (mice)
- ** RO1HD-04629-04 Assessment of skeletal maturity (human)
- PO1HL-07293-13 0027 Cardiovascular instrumentation research and development - Geometry, echo coherency indication (models)
- ** PO1HL-16910-01 0004 Regulation of the peripheral circulation - Circulation to bone (dogs)

SKELETAL SYSTEM, BONE, EPIPHYSIS

- ** RO1AM-03865-15 Structure and physical properties of bone (human)
- RO1AM-04993-13 Stimulation of bone formation (dogs)
- RO1AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
- ** RO1AM-13523-05 Calcification of bone and cartilage (chickens)
- ** RO1AM-13812-05 Stimulation of extremity growth by electrical fields (rabbits)
- ** PO1AM-15671-04 0038 The biology of skeletal and other connective tissues - Isolation of alpha chains of collagen from epiphyseal cartilage
- ** PO1AM-15671-04 0051 The biology of skeletal and other connective tissues - Resumption of longitudinal growth after distal femoral amputation (rats)
- ** PO1AM-15671-04 0052 The biology of skeletal and other connective tissues - Cytokinetics of normal epiphyseal plate cartilage (rats)
- ** RO1AM-15761-03 Metabolism of normal and abnormal physal cartilage (human, dogs)
- RO1AM-16020-03 Interrelationship among cartilage matrix components (calf)
- RO1AM-16156-03 Role of liver in the production of sulfation factor (human, rats)
- RO1AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
- RO1AM-16391-02 Diurnal variations in cartilage and bone growth (rats)
- RO1AM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)
- RO1CA-06081-13 0005 Ultrastructural pathology - Fine structure of calcification (cattle, chick embryo)
- PO1DE-02848-06 0013 Biology of connective tissue, bones and teeth - Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo)
- RO1HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- ** RO1HD-07929-01 Linear growth and puberal maturation - Role of adrenal (human)

SKELETAL SYSTEM, BONE, HAVERSIAN SYSTEM

- RO1AM-16612-01 Bioelectric phenomena in bone (human, dogs)
- RO1HD-03861-05 Various aspects of aging in human bone

SKELETAL SYSTEM, BONE, METAPHYSIS

- RO1AM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)

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**Oriented significantly to above subject.

†† Grant has subprojects describing specific research aspects.

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SKELETAL SYSTEM, BONE, PERIOSTEUM

- R01AM-15980-02 0001 Hemodynamic factors in fractures and bone disease - Effect of increased venous pressure on fracture healing (dogs)
 P01HL-07293-13 0027 Cardiovascular instrumentation research and development - Geometry, echo coherency indication (models)
 R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)

SKELETAL SYSTEM, BONE CELLS

- P01AI-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogenous tissues (rabbits, rats)
 R01AM-04993-13 Stimulation of bone formation (dogs)
 R01AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
 ** R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
 P01AM-15671-04 0053 The biology of skeletal and other connective tissues - Calcified cartilage zones of adult articular cartilage (rabbits)
 ** R01AM-15800-03 Metabolism of bone and bone cells (rats)
 P01DE-02848-06 0013 Biology of connective tissue, bones and teeth - Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo)
 P01DE-02848-06 0015 Biology of connective tissue, bones and teeth - Craniofacial bone remodeling and cell differentiation (mice)
 P01DE-02849-06 0012 Mechanism and treatment of periodontal disease - Parathyroid hormone-calcitonin-prostaglandin in periodontal disease (human, dogs)
 R01EY-00952-03 Fibroblast differentiation during corneal development (chick embryo)

SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS

- R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
 P01DE-02918-06 0008 Oral-facial growth and development in primates - Tooth replantation
 R01DE-03386-04 Elaboration of glycoproteins in mineralizing tissues (rats)
 R01DE-03793-01 Histochemistry of periodontal disease
 P11GM-15956-07 0005 Factors affecting the responses to drugs - Effect of fluoride on metabolic bone disease (human)
 ** R01HD-02803-07 Role of cells as depositors of calcium in bone (rats)
 R01HD-03677-07 Skeletal cell and matrix changes during aging (mice)
 R01HD-03861-05 Various aspects of aging in human bone
 R01HD-06106-03 Changes in cell type and structure in developing bone (rats)

SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS

- SEE ALSO SKELETAL SYSTEM, BONE RESORPTION-REMODELING PHYSIOLOGIC
 ** R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
 P01AM-15671-04 0025 The biology of skeletal and other connective tissues - Microtubules and calcium transport (rats)
 ** P01AM-15671-04 0050 The biology of skeletal and other connective tissues - Morphological and cytochemical investigations on the osteoclast clear zone (mice)
 P01DE-02848-06 0015 Biology of connective tissue, bones and teeth - Craniofacial bone remodeling and cell differentiation (mice)
 P01DE-02918-06 0008 Oral-facial growth and development in primates - Tooth replantation
 ** R01DE-03818-01 Role of the osteoclast in tooth eruption (rats)
 R01HD-06106-03 Changes in cell type and structure in developing bone (rats)

SKELETAL SYSTEM, BONE DENSITY

- ** R01AM-03865-15 Structure and physical properties of bone (human)
 ** R01AM-07126-11 Metabolism of human bone
 ** R01AM-07912-10 Creighton University bone research center (women)
 R01AM-09096-09 Nutritional influences on bone (human, rats)
 R01AM-16514-02 Longitudinal study of skeletal status in women
 ** P01CA-08748-09 5520 Research program of Sloan-Kettering Institute - Mineral content of bone using photon absorption technique
 ** P01CA-08748-09 5612 Research program of Sloan-Kettering Institute - Bone mineralization measurement (human)
 P01DE-01945-11 0001 Ultrastructure of hard tissue - Structure of diseased bone (human, rats, rabbits, chickens)
 P13DE-02600-08 0002 Planning of a research center in oral biology - Quality of bone in dental diseases (human, rats)
 R01GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
 P01HD-02274-08 0095 Mental retardation and child development - Pulmonary mucous transport in newborn infants

- ** R01HD-02619-08 Development of skeletal weights in children (primates)
 P01HD-04872-04 0003 Metabolism and aging - Bone quality in osteoporosis (human, rats)
 ** P18HL-15160-03 0005 Comprehensive sickle cell disease center - In vivo bone mineral content in sickle cell anemia (human)
 ** P07RR-00007-11 0323 Computer processing in biomedical systems - Densitometry studies of vertebrae (human)
 M01RR-00042-14 0068 General clinical research center - Renal osteodystrophy and other forms of hyperparathyroidism (human)
 M01RR-00750-02 0013 General clinical research center - Genetic studies of human twins

SKELETAL SYSTEM, BONE DEVELOPMENT

- ** N01AM-02219-06 Study hormonal regulation of bone metabolism (rats)
 R01AM-04362-13 Mechanisms of bone resorption and accretion in vivo (chickens)
 R01AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
 R01AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
 ** R01AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
 R22AM-13066-06 Bladder stone disease in Thailand (human)
 R01AM-13812-05 Stimulation of extremity growth by electrical fields (rabbits)
 P01AM-14881-04 0008 Metabolism and function of fat-soluble vitamins - Vitamin D and action of parathyroid hormone and calcitonin (rats)
 R01AM-15178-03 Genetic and nutritional defects in skeletal growth (animals)
 ** R01AM-15346-03 Development of mineralized tissues (rats)
 R01AM-15792-03 Electric enhancement of bone healing (human, rabbits)
 R01AM-16118-01 An investigation of joint degeneration
 ** R01AM-16235-01 Bone and tissue growth in children
 R01AM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)
 ** R01CA-10052-09 Cartilage and bone formation induced by FL cells (mice, rats, chick embryo)
 P01DE-00853-17 0002 Diagnostic and prognostic techniques in cleft palate - Maxillofacial growth project (dogs, tamarins, rats)
 M R01DE-02103-10 Inductive substrates for tooth and bone formation
 R01DE-02103-10 0021 Inductive substrates for tooth and bone formation - Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat)
 P13DE-02668-08 0014 Dental research center - Growth mechanisms (mice, rabbits)
 ** P13DE-02731-08 0002 Development support for dental research institute - Skeleton biochemistry (rabbits, rats, ungulates)
 M P01DE-02848-06 Biology of connective tissue, bones and teeth
 ** P01DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
 P01DE-02872-05 0015 Craniofacial anomalies - Longitudinal study in complete unilateral cleft lip and palate (human)
 ** P01DE-02873-06 Facial and dental growth in pre and post adolescents
 R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
 R01DE-03368-03 Submandibular gland growth factors and oral tissues (rats, mice)
 P01DE-03610-08 0001 Cranio-facial growth and development - Prenatal studies (human)
 ** P01DE-03610-08 0003 Cranio-facial growth and development - Analysis of human cranio-facial form and growth
 ** P01DE-03610-08 0004 Cranio-facial growth and development - Biomathematical approaches to cranio-facial growth (human, monkeys)
 ** P01DE-03610-08 0006 Cranio-facial growth and development - Inheritance of cranio-facial form and growth (human)
 ** P01DE-03610-08 0007 Cranio-facial growth and development - Occlusal development (human)
 ** P01DE-03610-08 0008 Cranio-facial growth and development - Functional adaptation during growth of cranio-facial complex (human)
 R01DE-03686-02 Hereditary defects in teeth and bone (human)
 R01DE-03794-02 Surgical-orthodontics and bone healing (monkeys)
 R01DE-03897-01 Human secondary palate formation (mice)
 R01E5-00902-02 Diagnosis and therapy of chronic childhood plumbism
 R01GM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays
 P01GM-19489-03 0005 Study of human genetics - Norms for skeletal development in achondroplasia and pseudoxanthoma elasticum
 P01HD-01799-09 0009 Mental retardation research center - Growth regulatory mechanisms (rats, human)

- R01HD-02335-09 0001 Hormonal effects on growth and maturation - Puberty (human, rats)
 R01HD-02506-08 Teratogen and gene interactions on mouse development
 ** R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
 ** R01HD-07419-02 Bone development and calcium metabolism in fetal rats
 ** R01HD-07929-01 Linear growth and puberal maturation - Role of adrenal (human)

SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS

- SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
 SEE ALSO SKELETAL SYSTEM REGENERATION, BONE REGENERATION
 ** R01AM-04993-13 Stimulation of bone formation (dogs)
 ** R01AM-07822-11 Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles)
 R01AM-09096-09 Nutritional influences on bone (human, rats)
 R01AM-13745-06 Differentiation of mineralized tissues in vertebrates (fish, frogs)
 ** R01AM-14272-05 Electron probe investigation of cell calcium (chick embryo)
 ** R01AM-15552-03 Model for chondrogenic and osteogenic studies (deer)
 ** P01AM-15671-04 0038 The biology of skeletal and other connective tissues - Isolation of alpha chains of collagen from epiphyseal cartilage
 ** P01AM-15671-04 0051 The biology of skeletal and other connective tissues - Resumption of longitudinal growth after distal femoral amputation (rats)
 ** R01AM-16391-02 Diurnal variations in cartilage and bone growth (rats)
 R01AM-17106-01 Stimulation of fracture healing by direct current (dogs)
 ** R01DE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
 ** R01DE-02103-10 0018 Inductive substrates for tooth and bone formation - Isolation of components of bone morphogenic systems (animals, human)
 ** R01DE-02103-10 0019 Inductive substrates for tooth and bone formation - Species specific properties of bone morphogenic matrix of the mouse
 ** P01DE-02848-06 0013 Biology of connective tissue, bones and teeth - Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo)
 R01DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
 R01DE-03686-02 Hereditary defects in teeth and bone (human)
 R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
 ** R01HD-06106-03 Changes in cell type and structure in developing bone (rats)
 R01NS-02108-15 Hypo- and hypervitaminosis A (rats)
- SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL**
 SEE ALSO CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC
 ** R01AM-04362-13 Mechanisms of bone resorption and accretion in vivo (chickens)
 R01AM-09096-09 Nutritional influences on bone (human, rats)
 R01AM-13523-05 Calcification of bone and cartilage (chickens)
 R01AM-13745-06 Differentiation of mineralized tissues in vertebrates (fish, frogs)
 ** R01AM-14974-04 Cellular mechanisms of calcification (cattle)
 R01AM-15552-03 Model for chondrogenic and osteogenic studies (deer)
 P01AM-15671-04 0001 The biology of skeletal and other connective tissues - High resolution electron probe microanalysis-calcification (mammals)
 ** P01AM-15671-04 0002 The biology of skeletal and other connective tissues - Nature of initial mineral deposits in bone (rats, chick embryo)
 ** P01AM-15671-04 0034 The biology of skeletal and other connective tissues - Electron microscopic studies on the mineral phase of calcification (mice)
 R01AM-15888-02 Peptide hormones in calcium and skeletal metabolism
 P01CA-08748-09 5612 Research program of Sloan-Kettering Institute - Bone mineralization measurement (human)
 ** P01DE-01945-11 0011 Ultrastructure of hard tissue - Chemical studies
 ** R01DE-02103-10 0018 Inductive substrates for tooth and bone formation - Isolation of components of bone morphogenic systems (animals, human)
 ** R01DE-02103-10 0019 Inductive substrates for tooth and bone formation - Species specific properties of bone morphogenic matrix of the mouse
 ** P13DE-02623-08 0010 Center for oral health research - Mitochondrion and the mineralization process (chickens) (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P13DE-02623-08 0015 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias (rats, guinea pigs)
- P13DE-02623-08 0016 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias
- ** P13DE-02670-08 Institute of Dental Research
- P01DE-02848-06 0013 Biology of connective tissue, bones and teeth - Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo)
- P01DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
- ** P01DE-02849-06 0018 Mechanism and treatment of periodontal disease - Radioisotope scanning techniques and mineral metabolism of alveolar bone (human)
- P01DE-02849-06 0036 Mechanism and treatment of periodontal disease - To determine scanning end point (dogs)
- P01DE-02953-06 0011 Developmental biology of calcified tissues - Structure and function of bone and dental collagen (human)
- ** R01DE-03223-04 Kinetics of mineralization of teeth (human, cattle)
- R01DE-03636-02 Phosphoproteins of calcified tissues (rats)
- R23DE-03642-02 Composition of fetal dental enamel proteins
- R23DE-03724-02 Cellular role in amphibian odontogenesis
- R01ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)
- ** R01HD-00434-13 A longitudinal study of skeletal growth of prematures (human)
- R01HD-01784-09 Growth patterns and body composition (swine miniature)
- ** R01HD-02803-07 Role of cells as depositors of calcium in bone (rats)
- R01HD-04629-04 Assessment of skeletal maturity (human)
- ** R01HD-07134-02 Variations in postnatal ossification sequences
- ** P18HL-15160-03 0005 Comprehensive sickle cell disease center - In vivo bone mineral content in sickle cell anemia (human)
- ** P07RR-00007-11 0323 Computer processing in biomedical systems - Densitometry studies of vertebrae (human)
- M01RR-00046-14 0037 General clinical research center - Feasibility of home intravenous hyperalimentation (human)
- SKELETAL SYSTEM, BONE RESORPTION-REMODELING PHYSIOLOGIC**
- SEE ALSO SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS
- ** R01AM-04993-13 Stimulation of bone formation (dogs)
- R01AM-09096-09 Nutritional influences on bone (human, rats)
- ** R01AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
- R01AM-15346-03 Development of mineralized tissues (rats)
- R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
- ** P01AM-15671-04 0018 The biology of skeletal and other connective tissues - Nature of peptides released from bone (chick embryo)
- P01AM-15671-04 0048 The biology of skeletal and other connective tissues - Inhibition of mouse bone collagenase by lysozyme
- P01AM-15671-04 0050 The biology of skeletal and other connective tissues - Morphological and cytochemical investigations on the osteoclast clear zone (mice)
- M R01AM-15980-02 Hemodynamic factors in fractures and bone disease
- ** R01AM-15980-02 0001 Hemodynamic factors in fractures and bone disease - Effect of increased venous pressure on fracture healing (dogs)
- ** R01AM-15980-02 0003 Hemodynamic factors in fractures and bone disease - Bone blood flow in altered states of remodeling (dogs)
- R01AM-15980-02 0004 Hemodynamic factors in fractures and bone disease - Marrow activity and diaphyseal blood flow (dogs)
- ** R01AM-15980-02 0005 Hemodynamic factors in fractures and bone disease - Inhibition of transport of Ca 47 and Sr85 by lanthanum in canine cortical bone
- R01AM-16118-01 An investigation of joint degeneration
- R01AM-16858-02 Thiazide effects on calcium metabolism (rats)
- ** P01AM-17110-07 0002 Program project in biomaterials calcified tissue - Localization of tritiated parathyroid hormone in bone (rats)
- ** R01AM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)
- ** R01AM-17614-01 Quantification of bone stresses during remodeling (rabbits)
- P02CA-08832-08 0089 An integrated study of advanced malignant diseases - Mithramycin, lysosomal enzymes and bone resorption
- R01DE-01523-13 Metabolic pathways in bone (mice)
- ** R01DE-01769-12 Dental restorative adhesives and coatings
- R01DE-01932-11 Oral bacteria and periodontal disease (guinea pigs, rabbits, monkeys)
- ** P01DE-02848-06 0015 Biology of connective tissue, bones and teeth - Craniofacial bone remodeling and cell differentiation (mice)
- ** P01DE-02849-06 0004 Mechanism and treatment of periodontal disease - Bone resorption from fibrosarcoma (mice)
- ** P01DE-02849-06 0005 Mechanism and treatment of periodontal disease - Bone resorption stimulating factors from human gingiva (mice)
- ** P01DE-02849-06 0006 Mechanism and treatment of periodontal disease - Bone resorption stimulating factors (human)
- ** P01DE-02849-06 0024 Mechanism and treatment of periodontal disease - Effect of ascorbic acid on bone remodeling (mice)
- ** P01DE-02849-06 0026 Mechanism and treatment of periodontal disease - Bone stimulating factor in media of cultured gingival fragments (human)
- ** P01DE-02849-06 0027 Mechanism and treatment of periodontal disease - Studies of gingival factors which stimulates bone resorption (human)
- ** P01DE-02849-06 0028 Mechanism and treatment of periodontal disease - Effect of prostaglandin on bone remodeling in tissue culture
- ** P01DE-02849-06 0029 Mechanism and treatment of periodontal disease - Production of bone-resorbing substances by cultured gingival fragments and cells
- ** R01DE-02931-08 Morphology of periodontal and temporomandibular joint (primates)
- P01DE-03610-08 0002 Cranio-facial growth and development - Craniofacial remodeling in aged individual (human)
- P01DE-03610-08 0003 Cranio-facial growth and development - Analysis of human cranio-facial form and growth
- P01DE-03610-08 0006 Cranio-facial growth and development - Inheritance of cranio-facial form and growth (human)
- ** R01DE-03725-02 Inflammation and bone resorption (human)
- ** R01DE-03761-02 Craniofacial growth and remodeling
- R01DE-03818-01 Role of the osteoclast in tooth eruption (rats)
- ** R01HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
- ** R01HD-03861-05 Various aspects of aging in human bone
- M01RR-00060-13 0014 General clinical research center - Effects of hormones and mineral salts on body composition (human)
- SKELETAL SYSTEM, CARTILAGE**
- SEE ALSO SKELETAL SYSTEM, SPINE, INTERVERTEBRAL DISK
- ** R01AM-00028-22 Characterization of cartilage ground substances (human, cattle)
- R01AM-00149-22 0001 Mucopolysaccharides in skeletal growth disorders - Iliac crest cartilage of achondroplastic children
- R01AM-00149-22 0003 Mucopolysaccharides in skeletal growth disorders - Proteoglycans-collagen interactions
- ** R01AM-00149-22 0004 Mucopolysaccharides in skeletal growth disorders - Iliac crest cartilage from children with skeletal growth disorders
- P01AM-01431-18 0002 Rheumatic diseases - Biochemistry (cattle)
- ** R01AM-01526-18 Hormonal control on chondroitin sulfate synthesis (human, animals)
- P01AM-03564-15 0026 Mesenchymal tissues and their diseases - Destruction of collagenous structures in rheumatoid arthritis
- P01AM-03564-15 0030 Mesenchymal tissues and their diseases - Structure of collagen
- P01AM-03564-15 0032 Mesenchymal tissues and their diseases - Collagen heterogeneity
- R01AM-04247-14 Calcium metabolism and skeletal physiology (rats)
- P01AM-05996-13 0010 Biochemistry of connective tissues - Structure of keratan sulfate
- R01AM-08482-10 Protein polysaccharides of connective tissue (mice, human)
- R01AM-08662-10 Phospholipids in mineralization of osteoid (human, rats)
- R01AM-08816-10 Metabolism of mucopolysaccharides (frogs, chick embryos)
- ** R01AM-09132-10 Biochemistry of bone and connective tissue (cattle, chick embryo)
- P01AM-09989-09 0002 Immunological and other aspects of rheumatic diseases - Electron microscopy of pannus-free cartilage (human, rabbits)
- R01AM-10811-09 Glycosaminoglycans in health and disease states
- ** R01AM-11919-06 Connective tissue and its components (cattle, human)
- R01AM-11949-07 Mechanisms of arthritis (human, rabbits)
- R01AM-12683-06 Structure, function and properties of collagen (cattle, chicks, clemis, human)
- R01AM-13745-06 Differentiation of mineralized tissues in vertebrates (fish, frogs)
- R01AM-13921-14 0006 Structure and organization of collagen fibers - Biochemical changes in connective tissue diseases of bone and cartilage
- R01AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- R01AM-15216-04 Molecular basis of joint lubrication (cattle, human)
- P01AM-15671-04 0002 The biology of skeletal and other connective tissues - Nature of initial mineral deposits in bone (rats, chick embryo)
- P01AM-15671-04 0028 The biology of skeletal and other connective tissues - Structure and function of diarthrodial joints (cattle)
- P01AM-15671-04 0034 The biology of skeletal and other connective tissues - Electron microscopic studies on the mineral phase of calcification (mice)
- P01AM-15671-04 0038 The biology of skeletal and other connective tissues - Isolation of alpha chains of collagen from epiphyseal cartilage
- ** P01AM-15671-04 0052 The biology of skeletal and other connective tissues - Cytokinetics of normal epiphyseal plate cartilage (rats)
- ** P01AM-15671-04 0053 The biology of skeletal and other connective tissues - Calcified cartilage zones of adult articular cartilage (rabbits)
- R01AM-15901-03 The metabolic activity of thymic hormone (rats)
- R01AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
- ** R01AM-16020-03 Interrelationship among cartilage matrix components (calf)
- ** R01AM-16116-01 Pressure distribution across human hip joint
- R01AM-16118-01 An investigation of joint degeneration
- R01AM-16209-01 Immune complexes in chronic inflammation (rabbits)
- ** R01AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
- ** R01AM-16606-02 Metabolism of osteoarthritic articular cartilage (human)
- R01AM-16767-02 Control of collagen biosynthesis and maturation (human, swine)
- ** R01AM-16940-02 Human cartilage proteases in arthritis
- P01AM-17110-07 0015 Program project in biomaterials calcified tissue - Experimental patellar dislocation in rabbits
- R01AM-17229-01 Lubricating ability of synovial fluid (human)
- ** R01AM-17359-01 Enhancement of articular cartilage repair (mammals)
- R01AM-17482-01 Effect of joint motion on articular cartilage (dogs)
- R01AM-17550-01 Nutritional (manganese) deficiency and lysosomal function (chickens)
- R01CA-06081-13 0005 Ultrastructural pathology - Fine structure of calcification (cattle, chick embryo)
- ** R01CA-15626-01 Proteoglycans of normal and malignant cartilage (human, animals)
- P01DE-01697-12 0016 Interdisciplinary studies in cleft palate - Developmental morphology of the Eustachian tube cartilage (human)
- P01DE-01850-11 0038 Fluoride metabolism - Fluoride intake and composition of costal cartilage (rats)
- P01DE-01945-11 0011 Ultrastructure of hard tissue - Chemical studies
- R01DE-02152-09 0020 Dental physiology and biophysics - Dental aspects of speech
- R01DE-02636-08 Mobilization of connective tissue components (rabbits, rats, human)
- P13DE-02670-08 Institute of Dental Research
- P01DE-02848-06 0019 Biology of connective tissue, bones and teeth - Vascularization and avascularization (chick embryo, rabbits, hamsters)
- R01DE-03861-01 Regulation of collagen biosynthesis (tissue culture)
- R01GM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)
- P01GM-16436-06 0043 Bioengineering program project - Fluid flow through porous polymer
- R01GM-18395-03 Structure and properties of swelling implants
- R01GM-18805-03 Wound healing vs tissue regeneration (rabbit)
- ** R01GM-20022-02 Cartilage-selective radiocontrast agents (primates, dogs, cats, mice)
- R01HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
- ** P01HD-04872-04 0002 Metabolism and aging - Periarticular connective tissue (monkeys)
- ** R01HD-05505-03 Control of extracellular matrix synthesis (chick embryo)
- R01HD-05624-04 Genetics and pathogenesis of the chondrodystrophies (human, mice, rabbits, dogs)
- R01HD-07074-01 Mechanism controlling rate (rats)
- P17HL-14136-04 0004 Obstructive lung diseases - Pathophysiologic correlations in GOLD (human)
- ** M01RR-00261-09 0096 General clinical research center - Metabolic studies on human cartilage
- SKELETAL SYSTEM, CARTILAGE CELLS**
- P01AM-05996-13 0014 Biochemistry of connective tissues - Xylosyltransferase in synthesis of chondroitin sulfate (chick embryo, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01AM-05996-13 0015 Biochemistry of connective tissues - Galactosyltransferases in synthesis of chondroitin sulfate (chick embryo)
- P01AM-05996-13 0022 Biochemistry of connective tissues - Phospholipids and phospholipase effect on glycosyltransferases
- R01AM-13523-05 Calcification of bone and cartilage (chickens)
- R01AM-13812-05 Stimulation of extremity growth by electrical fields (rabbits)
- R01AM-14974-04 Cellular mechanisms of calcification (cattle)
- ** R01AM-15287-03 Cartilage production in cell culture (chick embryo, human)
- ** R01AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
- R01AM-16391-02 Diurnal variations in cartilage and bone growth (rats)
- R01AM-16404-01 Collagen in osteoarthritic cartilage
- ** R01AM-16936-01 Somatomedin effects on chondrocyte tissue (rats)
- ** R01AM-17215-01 Proteoglycans in aging and osteoarthritic cartilage (human, dogs)
- R01AM-17258-01 In vitro culture of articular chondrocytes (human, rabbits)
- R01AM-17309-01 Biological effects of lysosomal enzyme release (human)
- R01AM-17692-01 Control of enzyme release from human neutrophils
- ** R01CA-15483-07 Biochemistry of mucopolysaccharides
- ** P01CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
- R01DE-02103-10 0021 Inductive substrates for tooth and bone formation - Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat)
- ** P13DE-02731-08 0002 Development support for dental research institute - Skeleton biochemistry (rabbits, rats, ungulates)
- P01DE-02848-06 0013 Biology of connective tissue, bones and teeth - Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo)
- R01DE-03861-01 Regulation of collagen biosynthesis (tissue culture)
- R01EY-00952-03 Fibroblast differentiation during corneal development (chick embryo)
- ** P01GM-19489-03 0008 Study of human genetics - Cartilage and chondrocytes from chondrodystrophies
- R01HD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
- ** R01HD-02803-07 Role of colls as depositors of calcium in bone (rats)
- ** P01HD-04583-06 0003 Mental retardation research center - Biosynthesis of chondroitin sulfate proteoglycan (chick embryo)
- P01HD-04583-06 0004 Mental retardation research center - Structure of cartilage proteoglycan (cattle)
- P01HD-04583-06 0005 Mental retardation research center - Effect of chondromucoprotein on chondromucoprotein biosynthesis (chick embryo)
- ** P01HD-04583-06 0024 Mental retardation research center - The mechanism of differentiation (chick embryo)
- R01HD-05505-03 Control of extracellular matrix synthesis (chick embryo)
- R01HD-05624-04 Genetics and pathogenesis of the chondrodystrophies (human, mice, rabbits, dogs)
- P01HD-05894-04 0017 Genetic childhood diseases and aging - Immunology of collagen in disease and aging (human, rats, whales)
- P01HD-05961-03 0005 Human and mammalian development - Metabolism of achondroplastic cartilage cells (rabbits, human)
- R01HD-06706-02 Hormonal control of growth and development (chickens, rats, human)
- P01HD-07376-01 0002 Fibroblasts and connective tissues in development - Collagen alterations in development, maturation, aging and disease (human)
- P01HL-14322-03 0013 Interdisciplinary program in biomaterials science - Micro-analysis of fine structure in biological materials (mice, rats)

SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

- R01AM-01324-18 Hormones and intermediary metabolism (human, animals)
- ** P01AM-05996-13 0008 Biochemistry of connective tissues - Differentiation of cartilage (chick embryo)
- P01AM-05996-13 0024 Biochemistry of connective tissues - Structure and function of acid mucopolysaccharides
- ** R01AM-07343-11 Characterization of cartilage proteinpolysaccharides (human, cattle, rabbits)
- R01AM-13523-05 Calcification of bone and cartilage (chickens)
- ** R01AM-15552-03 Model for chondrogenic and osteogenic studies (deer)
- P01AM-15671-04 0032 The biology of skeletal and other connective tissues - Joint transplantation (rabbits)
- ** R01AM-15761-03 Metabolism of normal and abnormal physal cartilage (human, dogs)
- R01AM-16156-03 Role of liver in the production of sulfation factor (human, rats)
- ** R01AM-16270-01 Studies on endochondral growth

- ** R01AM-16391-02 Diurnal variations in cartilage and bone growth (rats)
- R01AM-16940-02 Human cartilage proteases in arthritis
- ** R01AM-17258-01 In vitro culture of articular chondrocytes (human, rabbits)
- ** R01CA-10052-09 Cartilage and bone formation induced by FL cells (mice, rats, chick embryo)
- ** R01CA-14733-02 0011 Control of gene expression, virus replication and cell growth - Skin and cartilage development (avian embryo)
- P01DE-00853-17 0002 Diagnostic and prognostic techniques in cleft palate - Maxillofacial growth project (dogs, tamarins, rats)
- R01DE-02103-10 0018 Inductive substrates for tooth and bone formation - Isolation of components of bone morphogenic systems (animals, human)
- R01DE-02103-10 0021 Inductive substrates for tooth and bone formation - Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat)
- P13DE-02668-08 0014 Dental research center - Growth mechanisms (mice, rabbits)
- ** P01DE-02848-06 0013 Biology of connective tissue, bones and teeth - Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo)
- R01DE-03368-03 Submandibular gland growth factors and oral tissues (rats, mice)
- R01HD-00189-21 Mechanisms in differentiation of mesodermal tissues (chick embryo, xenopus)
- ** R01HD-00380-16 Analysis of chondrogenesis (ascidians, chick embryo, human)
- ** R01HD-03677-07 Skeletal cell and matrical changes during aging (mice)
- ** P01HD-04583-06 0012 Mental retardation research center - Chondrogenesis (human, chick embryo)
- R01HD-04669-04 Muscle differentiation in embryonic chick limb buds -
- R01HD-06550-03 Mechanisms underlying experimental teratogenesis (mice)
- ** P01HD-07110-02 0020 Biomedical center for population research - Perinatal development (human)
- R01HD-08057-11 Polysaccharide structure and activity (bacteria, chick embryo, Xenopus)
- R01HD-08511-01 Maturation of larynx in relation to infant death (human, dogs, animals)
- P01HD-08658-01 0002 Developmental neurobiology in primates - Skull and vertebral column development in staged embryos (human)
- P01HD-08658-01 0011 Developmental neurobiology in primates - Teratogenic effects of thalidomide on early limb development (nonhuman primates)

SKELETAL SYSTEM, HIP

- P02AM-05577-13 0004 Clinical research unit in rheumatic diseases - Epidemiology of rheumatoid arthritis and related diseases (human)
- ** R01AM-14486-04 Biomechanics of hip disease (human)
- R01AM-17432-01 Quantitated function correlated with physical impairment
- P18HL-15166-03 0010 Comprehensive sickle cell disease center - Treatment of aseptic necrosis of the hip by bone grafting (human)
- M01RR-00082-12 0094 General clinical research center - Effect of bio-clean surgical facility on wound contamination (human)

SKELETAL SYSTEM, HIP, FEMORAL HEAD

- SEE ALSO SKELETAL SYSTEM, LIMB BONES, FEMUR
- R02NU-00308-05 Long-term effects of an experimental nursing process

SKELETAL SYSTEM, JOINT

- SEE ALSO ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT
- SEE ALSO SKELETAL SYSTEM, HIP
- SEE ALSO SKELETAL SYSTEM, SYNOVIAL FLUID
- SEE ALSO SKELETAL SYSTEM, SYNOVIAL MEMBRANE
- P02AM-05577-13 0001 Clinical research unit in rheumatic diseases - Humoral factors in inflammation (human, mammals)
- R01AM-15216-04 Molecular basis of joint lubrication (cattle, human)
- ** P01AM-15671-04 0028 The biology of skeletal and other connective tissues - Structure and function of diarthrodial joints (cattle)
- ** P01AM-15671-04 0032 The biology of skeletal and other connective tissues - Joint transplantation (rabbits)
- R01AM-16067-03 Hydrophilic methacrylates as self-locking implants (dogs, rabbits)
- R01AM-17482-01 Effect of joint motion on articular cartilage (dogs)
- R01GM-20201-02 Structural and mechanical properties of spine (human)
- R01NS-08470-06 Dynamic modelling of knee joint receptor activity (human)
- ** R01NS-10783-03 Segmental reflexes mediated by joint afferent neurons (cats)
- ** R01NS-11634-01 Middle ear substrate muscle, bone and joints (human, bats, cats)

SKELETAL SYSTEM, JOINT, ELBOW

- P01AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)

SKELETAL SYSTEM, JOINT, KNEE

- P02AM-05577-13 0014 Clinical research unit in rheumatic diseases - Development of total knee replacement arthroplasty (human)
- P02AM-05577-13 0015 Clinical research unit in rheumatic diseases - Development of a patellar prosthesis (human)
- R01AM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
- R01AM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
- ** R01AM-14964-03 Development of salvage prosthesis for the knee joint (human)
- P01AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)
- P01AM-16120-03 0003 Development of total joint replacements - Clinical program
- R01AM-16600-01 In vivo loading on hip and knee joint replacements (human)
- ** P01AM-17110-07 0013 Program project in biomaterials calcified tissue - Early changes following immobilization of rabbit's knee
- P01AM-17110-07 0015 Program project in biomaterials calcified tissue - Experimental patellar dislocation in rabbits
- ** P01AM-17110-07 0016 Program project in biomaterials calcified tissue - Denervation of rabbit's knee joints
- ** R01AM-17408-01 Laziness in normal, arthritic and prosthetic knee joints (human)
- R01AM-17475-01 The synovial response to acute trauma (rabbits)
- R01CA-06263-13 Computer analysis of tumor roentgenograms (human)
- ** P01GM-16436-06 0028 Bioengineering program project - Automatic alignment pylon for a patellar tendon hearing prosthesis
- P01HD-04872-04 0002 Metabolism and aging - Periarticular connective tissue (monkeys)
- ** R01NS-08470-06 Dynamic modeling of knee joint receptor activity (human)
- ** P01NS-11631-01 0046 Clinical center for research on Parkinson's and allied diseases - Intracellular response of motor neuron to knee

SKELETAL SYSTEM, JOINT, WRIST

- P02AM-05577-13 0018 Clinical research unit in rheumatic diseases - Hand surgery (human)
- ** R01AM-14659-03 Influence of wrist pathomechanics on hand function (human)
- R01AM-18074-01 Crystal deposition diseases (human, rats, rabbits)
- R01HD-07134-02 Variations in postnatal ossification sequence
- P01NS-04053-12 0006 Epilepsy - Single neurons in motor cortex (monkeys)

SKELETAL SYSTEM, LIGAMENT

- ** R01DE-04023-01 Remodeling of periodontal ligament (rats)
- R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- P01HD-05796-03 0004 Aging in connective tissue, brain and auditory system - Connective tissue proteins (dogs, rats, chickens)

SKELETAL SYSTEM, LIGAMENT, JOINT LIGAMENTS

- ** R01AM-08893-10 Mechanisms responsible for ligamentous strength (animals)

SKELETAL SYSTEM, LIMB

- SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, LIMB TRANSPLANTATION
- SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, LIMBS ARTIFICIAL
- SEE ALSO SKELETAL MOVEMENT, LIMBS MOVEMENT
- ** P01AM-03564-15 0010 Mesenchymal tissues and their diseases - Salamander limb regeneration
- P01AM-08445-10 0014 Biology of skin of man and other primates - PFK as glycolytic regulator in skin and appendages of rhesus monkeys
- R01AM-14742-04 Growth regulation in regeneration (newts)
- R01AM-15272-03 Metabolism of perfused hind limb (rats)
- R01AM-15762-03 Tendon regeneration and development (chickens, chick embryo, human)
- R01HD-04669-04 Muscle differentiation in embryonic chick limb buds
- R01HD-06082-03 Genetic analysis of basic developmental mechanisms (Drosophila)
- ** R01HD-06177-03 Growth and regulation of human limb mesenchyme
- ** R01HD-06702-03 Morphogenetic properties in limb development (chick embryo)
- R01HD-07209-01 Control of development of limb mesodermal cells

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HD-07282-01 Mechanisms in embryonic limb morphogenesis (mice chick embryo)
- ** R01HD-07390-01 Control of limb development and deformity
- P01HD-08658-01 0011 Developmental neurobiology in primates - Teratogenic effects of thalidomide on early limb development (nonhuman primates)
- R01HL-13927-03 Autonomic regulation of regional blood flow (dogs)
- R01HL-13950-02 Effect of procedures on ischemic limb O₂ and blood flow (dogs)
- ** P17HL-14164-04 0002 Arteriosclerosis research center - Vascular function and circulation in extremities of atherosclerosis (monkeys)
- P01NS-06828-08 0025 Neurophysiology-Sensory systems and cerebral cortex - Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb
- R01NS-08692-05 Motor control system (human)
- M01RR-00043-14 0083 General clinical research center - Assessment of acral changes in acromegaly (human)
- M01RR-00284-08 0046 General clinical research center-pediatric - Arterial vasospastic disorders of extremities
- M01RR-00334-08 0023 General clinical research center - Intra-arterial reserpine for vasospastic diseases of the extremities (human)

SKELETAL SYSTEM, LIMB, AMPUTATION

- SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, LIMBS ARTIFICIAL
- P01AM-15671-04 0051 The biology of skeletal and other connective tissues - Resumption of longitudinal growth after distal femoral amputation (rats)
- P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- M01RR-00054-13 0056 General clinical research center - Osteogenic sarcoma (human)

SKELETAL SYSTEM, LIMB, ARM

- SEE ALSO SKELETAL SYSTEM, JOINT, ELBOW
SEE ALSO SKELETAL SYSTEM, JOINT, WRIST
- P01GM-14267-09 0014 Microelectronics laboratory for biomedical science - Implant stimulators for the disabled (cats, human)
- ** P01GM-14546-08 0047 Influence of acute illness and injury on energy - Injury and sepsis-Hepatic vs forearm metabolism (human)
- P01HL-06336-14 0043 Cardiovascular program project - Forearm blood flow and venous tone in myocardial infarction (human)
- ** P01HL-08886-11 0046 Radiology-physiology cardiovascular research - Forearm angiography during isometric hand-grip contractions (human)
- P01HL-14414-03 0008 Cardiorespiratory performance and environmental factors - Circulatory function and heat exchange in water (human)
- P01HL-14780-02 0002 Mechanisms and treatment of cardiovascular diseases - Peripheral circulation in health and disease-Regional blood flow (human)
- P01HL-14780-02 0003 Mechanisms and treatment of cardiovascular diseases - Control of peripheral circulation-Function of venous systems (human)
- P01HL-14780-02 0009 Mechanisms and treatment of cardiovascular diseases - Peripheral circulation and reflex integrity in myocardial infarction (human)
- R02NIJ-00434-02 Upper extremity positioning of stroke patients
- R01OH-00470-01 Vibration characteristics of the hand and arm
- M01RR-00533-06 0009 General clinical research center, adult - Small dose human growth hormone perfusion studies in forearm
- M01RR-00533-06 0028 General clinical research center, adult - Electrolyte metabolism in forearm muscle (human)

SKELETAL SYSTEM, LIMB, FINGERS

- SEE ALSO CONGENITAL ABNORMALITIES, SKELETAL, POLYDACTYLY
SEE ALSO SKIN, DERMATOGLYPHICS
- R01NS-08470-06 Dynamic modelling of knee joint receptor activity (human)

SKELETAL SYSTEM, LIMB, FOOT

- P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)

SKELETAL SYSTEM, LIMB, HAND

- SEE ALSO SKELETAL DISORDERS, CONTRACTURE, DUPUYTREN'S
SEE ALSO SKELETAL SYSTEM, LIMB, FINGERS
- ** P02AM-05577-13 0018 Clinical research unit in rheumatic diseases - Hand surgery (human)
- R01AM-10763-07 Ocular control systems for orthotics (human)
- R01AM-14659-03 Influence of wrist pathomechanics on hand function (human)
- P01GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
- R01HD-07134-02 Variations in postnatal ossification sequence
- ** R01MH-03372-15 0029 Neural mechanisms in behavior - Learning a two-hand coordination task in commissurotomy patients

- P01NS-04053-12 0006 Epilepsy - Single neurons in motor cortex (monkeys)
- R02NIJ-00434-02 Upper extremity positioning of stroke patients
- R01OH-00470-01 Vibration characteristics of the hand and arm

SKELETAL SYSTEM, LIMB, LEG

- SEE ALSO CARDIOVASCULAR SYSTEM, ARTERIES, FEMORAL ARTERY
SEE ALSO NEUROMOTOR DISORDERS, PARALYSIS, PARAPLEGIA
SEE ALSO SKELETAL SYSTEM, JOINT, KNEE
SEE ALSO SKELETAL SYSTEM, LIMB BONES, FEMUR
SEE ALSO SKELETAL SYSTEM, LIMB BONES, TIBIA
- R01HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)
- P01HL-14414-03 0008 Cardiorespiratory performance and environmental factors - Circulatory function and heat exchange in water (human)
- P18HL-15165-03 0010 Comprehensive sickle cell disease center - Comparative study of therapy of leg ulcers in sickle cell anemia (human)
- M01RR-00035-14 0072 General clinical research center - Milroy's disease (human)
- M01RR-00056-13 0034 General Clinical Research Center - Comparative study of therapy of leg ulcer in sickle cell anemia (human)
- M01RR-00058-13 0029 General clinical research center - Effect of beclomethasone on arteriosclerosis obliterans of lower extremities (human)
- M01RR-00076-12 0070 General clinical research center - Effects of repetitive leg exercise in post myocardial infarct (human)
- M01RR-00109-11 0042 General clinical research center - Familial torisional and angulatory deformities of lower extremities
- M01RR-00261-09 0099 General clinical research center - Peripheral unilateral gangrene of extremities in infancy (human)
- M01RR-00334-08 0030 General clinical research center - Hemodynamic characteristics of femoral-femoral arterial cross-pubic graft (human)

SKELETAL SYSTEM, LIMB BONES

- R01AM-15980-02 0001 Hemodynamic factors in fractures and bone disease - Effect of increased venous pressure on fracture healing (dogs)
- R01AM-15980-02 0002 Hemodynamic factors in fractures and bone disease - Blood flow in experimental fracture (dogs)
- ** R01AM-15980-02 0004 Hemodynamic factors in fractures and bone disease - Marrow activity and diaphyseal blood flow (dogs)
- P01AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)
- R01AM-16514-02 Longitudinal study of skeletal status in women
- R01HD-02506-08 Teratogen and gene interactions on mouse development

SKELETAL SYSTEM, LIMB BONES, FEMUR

- SEE ALSO SKELETAL SYSTEM, HIP, FEMORAL HEAD
- R01AM-15478-03 Fixation of fractures with pyrolytic carbon plates (dogs)
- P01AM-15671-04 0051 The biology of skeletal and other connective tissues - Resumption of longitudinal growth after distal femoral amputation (rats)
- R01AM-17608-01 Morphologic changes after femoral rotation osteotomy (dogs)

SKELETAL SYSTEM, LIMB BONES, TIBIA

- P01AM-15671-04 0052 The biology of skeletal and other connective tissues - Cytokinetics of normal epiphyseal plate cartilage (rats)
- R01AM-15980-02 0005 Hemodynamic factors in fractures and bone disease - Inhibition of transport of Ca 47 and Sr85 by lanthanum in canine cortical bone
- R01AM-16391-02 Diurnal variations in cartilage and bone growth (rats)
- P18HL-15166-03 0003 Comprehensive sickle cell disease center - Production of salmonella osteomyelitis and necrosis of long bones (rats)

SKELETAL SYSTEM, PELVIC BONES, ILIUM

- R01AM-00149-22 0005 Mucopolysaccharides in skeletal growth disorders - Extraction and purification of proteoglycans of iliac crest cartilage

SKELETAL SYSTEM, RIBS

- P01DE-01850-11 0038 Fluoride metabolism - Fluoride intake and composition of costal cartilage (rats)

SKELETAL SYSTEM, SKULL

- SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO EAR, MIDDLE EAR, FENESTRA COCHLEAE
SEE ALSO NASAL, NOSE
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL-PHARYNGEAL, JAW
SEE ALSO ORAL-PHARYNGEAL, PALATE

- R01AM-14272-05 Electron probe investigation of cell calcium (chick embryo)
- R01CA-13050-03 Combination therapy of childhood leukemia
- R01DE-01523-13 Metabolic pathways in bone (mice)
- P13DE-02600-08 0015 Planning of a research center in oral biology - Control of collagen synthesis and degradation
- ** P13DE-02731-08 0002 Development support for dental research institute - Skeleton biochemistry (rabbits, rats, ungulates)
- P01DE-02918-06 0002 Oral-facial growth and development in primates - Prenatal and postnatal craniofacial development (Macaca, Papio)
- R01DE-03138-03 Craniofacial variability in birth defects
- ** R01DE-03472-03 Patterns of dentocraniofacial growth and maturation
- R01DE-03598-02 Dentofacial effects of forces to retract the maxilla (human)
- M P01DE-03610-08 Cranio-facial growth and development
- ** P01DE-03610-08 0002 Cranio-facial growth and development - Craniofacial remodeling in aged individual (human)
- ** P01DE-03610-08 0003 Cranio-facial growth and development - Analysis of human cranio-facial form and growth
- ** P01DE-03610-08 0004 Cranio-facial growth and development - Biomathematical approaches to cranio-facial growth (human, monkeys)
- ** P01DE-03610-08 0005 Cranio-facial growth and development - Ethnic studies
- ** P01DE-03610-08 0006 Cranio-facial growth and development - Inheritance of cranio-facial form and growth (human)
- P01DE-03610-08 0007 Cranio-facial growth and development - Occlusal development (human)
- ** P01DE-03610-08 0008 Cranio-facial growth and development - Functional adaptation during growth of cranio-facial complex (human)
- R23DE-03806-01 Physiology of feeding in miniature pigs
- P10ES-00260-12 0014 Research in the environmental health sciences - Retention of lead-210, americium-241 and cesium-137 (human, baboon)
- ** P01HD-08658-01 0002 Developmental neurobiology in primates - Skull and vertebral column development in staged embryos (human)
- ** P01MH-17565-03 0005 Genetics of the XYY phenomena in man - Skull and dental studies in XYY patients
- M01RR-00030-13 0002 General clinical research center - Intracranial extracellular lesions on endocrine function (human)

SKELETAL SYSTEM, SKULL, CRANIAL SUTURES

- P01DE-02918-06 0002 Oral-facial growth and development in primates - Prenatal and postnatal craniofacial development (Macaca, Papio)

SKELETAL SYSTEM, SKULL, CRANIOTOMY

- P02CA-15145-01 0003 Cancer center support grant - Extracellular proteoglycans of glioblastoma multiforme in human brain
- P01NS-08802-05 0008 Cerebrovascular disease research center - Experimental cerebral infarction (cats, monkeys)

SKELETAL SYSTEM, SKULL, SELLA TURCICA

- M01RR-00080-12 0028 General clinical research center - Growth hormone studies (human)
- ** M01RR-00107-11 0050 General clinical research center - Clinical and endocrinological evaluation of empty sella syndrome (human)

SKELETAL SYSTEM, SKULL, TEMPORAL BONE

- SEE ALSO EAR, HEARING, BONE CONDUCTION HEARING
- R01AM-15772-03 Inner ear dysfunction in chronic renal diseases (human)
- R01AM-16118-01 An investigation of joint degeneration
- ** P18HL-15997-02 0011 A comprehensive hospital-community sickle cell center - Changes in temporal bone in sickle cell disease (human)
- ** R01NS-01791-16 Response of inner ear to injury (chinchillas, guinea pigs)
- ** R01NS-02182-15 Histopathologic study of human temporal bones
- ** P01NS-03358-13 0022 Sensory disease clinical research center - Histopathology (human)
- ** R01NS-03855-12 Surgical anatomy of ear and temporal bone (human)
- R01NS-05065-10 Microscopic studies of the inner ear (human, animals)
- P01NS-05785-09 0014 Causes of deafness - Vestibular function (human, mammals)
- ** P01NS-05785-09 0015 Causes of deafness - Microscopic anatomy laboratory (human, cats)
- P01NS-05785-09 0016 Causes of deafness - Temporal bone laboratory (human)
- R01NS-05881-09 Otopathology by light microscopy (human)
- ** R01NS-06606-09 Human temporal bone pathology
- ** P01NS-09823-04 0007 Communicative disorders clinical research center - Temporal bone morphology (human)
- R01NS-10268-03 Chemistry and physiology of inner ear fluids (human, cats, dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROINS-10410-01 Effects of partial lesions in the vestibular system (cats)
 ROINS-10412-03 0001 Physiopathology of inner ear organs - Correlative studies of inner ear (animals)
 ** ROINS-10412-03 0002 Physiopathology of inner ear organs - Histopathology of temporal bones (human)
 ** POINS-10940-02 0005 Otophysiology and otopathology program project - Morphology laboratory (human, monkeys)
 ** ROINS-11221-02 Histopathology of the temporal bones of children (human)
 ** POINS-11417-01 0006 Core program project in communicative disorders - Morphological evaluation of human temporal bone and brain stem
 ** ROINS-11447-01 The national temporal bone banks center (human)
 ROINS-11778-01 The inner ear biochemistry of adrenal insufficiency (human, chinchillas)

SKELETAL SYSTEM, SPINE

SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, SPINAL FUSION

SEE ALSO SKELETAL DISORDERS, SPINAL DISORDERS

- ROIAM-00149-22 0002 Mucopolysaccharides in skeletal growth disorders - Children with idiopathic adolescent scoliosis
 ** ROIAM-16805-01 Structure, biomechanics and bone (apes, human)
 ROICA-13050-03 Combination therapy of childhood leukemia
 ** ROIGM-20201-02 Structural and mechanical properties of spine (human)
 ** POIHD-08658-01 0002 Developmental neurobiology in primates - Skull and vertebral column development in staged embryos (human)
 ** POIHD-08658-01 0004 Developmental neurobiology in primates - Spinal cord and vertebral column in fetuses (human)
 P07RR-00007-11 0323 Computer processing in biomedical systems - Densitometry studies of vertebrae (human)

SKELETAL SYSTEM, SPINE, CERVICAL VERTEBRAE

- ROIAM-16869-01 Biomechanics of cervical spine injury
 ** ROINS-11539-01 Experimental cervical myelopathy (dogs)

SKELETAL SYSTEM, SPINE, INTERVERTEBRAL DISK

- ** ROIAM-00149-22 0006 Mucopolysaccharides in skeletal growth disorders - Extraction and purification of collagen from vertebral discs
 ROIAM-00149-22 0007 Mucopolysaccharides in skeletal growth disorders - Proteoglycans containing tightly bound collagen peptides
 ROIAM-15278-01 Study of scoliosis (chickens)
 ROIHD-02646-08 Mucopolysaccharides of connective tissues (human, bacteria, chick, rat)
 POIHD-05894-04 0017 Genetic childhood diseases and aging - Immunology of collagen in disease and aging (human, rats, whales)

SKELETAL SYSTEM, SYNOVIAL FLUID

- ROIAM-04761-14 Immunological mechanisms in rheumatoid arthritis (human)
 P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
 P02AM-05577-13 0006 Clinical research unit in rheumatic diseases - Juvenile rheumatoid arthritis center
 ROIAM-06450-12 Mycoplasma, L forms and viruses in rheumatic diseases (human)
 ROIAM-07343-11 Characterization of cartilage proteoglycans (human, cattle, rabbits)
 ROIAM-07841-11 Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human)
 ROIAM-10728-08 Connective tissue activation in rheumatic disease (human, rodents)
 ** ROIAM-13463-05 The infectious etiology of rheumatoid arthritis (human)
 ROIAM-13789-05 Lymphocyte antigen receptors in collagen disease (human, guinea pigs)
 ROIAM-13824-05 0001 Interactions of cellular and humoral immunity - Peripheral lymphocytes in connective tissue disease (human, monkeys, rabbits)
 ROIAM-14916-05 Synovial tissues in rheumatoid arthritis (human, guinea pigs)
 ** ROIAM-15216-04 Molecular basis of joint lubrication (cattle, human)
 POIAM-15671-04 0028 The biology of skeletal and other connective tissues - Structure and function of diarthrodial joints (cattle)
 ROIAM-15714-03 Antigen-antibody complexes in rheumatoid arthritis (human, rabbits)
 ROIAM-15796-01 Synovial cells and the etiology of rheumatoid arthritis (human, rabbits)
 ROIAM-16404-01 Collagen in osteoarthritic cartilage
 ROIAM-16894-02 Immunopathology of cartilage proteoglycans (human, rabbits)
 ROIAM-17054-01 Sodium urate nucleation (human)
 ** ROIAM-17229-01 Lubricating ability of synovial fluid (human)
 ROIAM-17309-01 Biological effects of lysosomal enzyme release (human)
 ROIAM-17475-01 The synovial response to acute trauma (rabbits)

- ROIAM-18074-01 Crystal deposition diseases (human, rats, rabbits)
 P11GM-15759-08 0035 Clinical pharmacology in rheumatic and muscular diseases - In vitro studies in animal models (rats, human)
 P11GM-15759-08 0036 Clinical pharmacology in rheumatic and muscular diseases - Cytoblast production and its inhibition by drugs (human, rats)
 ** P11GM-15759-08 0044 Clinical pharmacology in rheumatic and muscular diseases - Identification of DNA isolated from synovial and serum cryoprecipitates (human)
 ** P11GM-15759-08 0048 Clinical pharmacology in rheumatic and muscular diseases - Immunologic changes in synovial fluid after synovectomy (human)
 ** P11GM-15759-08 0049 Clinical pharmacology in rheumatic and muscular diseases - Cryoprecipitates from synovial fluid of a rheumatoid patient
 P11GM-15759-08 0051 Clinical pharmacology in rheumatic and muscular diseases - Hidden antiglobulins in rheumatic diseases (human)
 MOIRR-00633-02 0044 General clinical research center - Knee joint perfusion studies in rheumatoid arthritis (human)
 MOIRR-00633-02 0045 General clinical research center - Effect of immobilization on rheumatoid arthritis (human)

SKELETAL SYSTEM, SYNOVIAL MEMBRANE

- ROIAI-08420-07 Pathogenesis of chlamydial polyarthritis-entritis (cattle, sheep)
 POIAM-03564-15 0026 Mesenchymal tissues and their diseases - Destruction of collagenous structures in rheumatoid arthritis
 POIAM-03564-15 0029 Mesenchymal tissues and their diseases - Mechanisms of enzyme action
 ROIAM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
 P02AM-05577-13 0013 Clinical research unit in rheumatic diseases - Bioassay to assess drug efficacy (chick embryo)
 P02AM-05577-13 0015 Clinical research unit in rheumatic diseases - Development of a patellar prosthesis (human)
 P02AM-05577-13 0017 Clinical research unit in rheumatic diseases - Humoral mechanisms and mediators of inflammation in rheumatic disease patients
 ROIAM-12129-07 0004 Collagenases and collagen remodeling - Human and animal collagenases (tadpoles, rats)
 ROIAM-12849-06 Immunologic studies in rheumatoid arthritis (human, rabbits)
 ROIAM-13925-05 Uric acid transport (human, mammals nonhuman, reptiles, amphibians)
 ** POIAM-14526-05 0004 Biochemistry of connective tissue - Inflammation by microcrystals in synovial spaces (human, dogs)
 ROIAM-14780-04 Mechanisms of connective tissue destruction in man (rabbits, rats)
 ROIAM-14916-05 Synovial tissues in rheumatoid arthritis (human, guinea pigs)
 ** ROIAM-15796-01 Synovial cells and the etiology of rheumatoid arthritis (human, rabbits)
 ** ROIAM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
 ROIAM-16326-02 Rheumatoid arthritis
 POIAM-17110-07 0013 Program project in biomaterials calcified tissue - Early changes following immobilization of rabbit's knee
 ** ROIAM-17475-01 The synovial response to acute trauma (rabbits)
 P02CA-15145-01 0001 Cancer center support grant - Studies on glycoproteins and cell surface antigens
 ROIDE-02931-08 Morphology of periodontal and temporomandibular joint (primates)
 ** MOIRR-00037-14 0076 General clinical research center - Rate of glucose entry into diseased joints (human)

SKELETAL SYSTEM, TENDONS

SEE ALSO MUSCLES

- ROIAM-10358-09 Effects of penicillamine on collagen metabolism (human, rats, cattle)
 ** ROIAM-15762-03 Tendon regeneration and development (chickens, chick embryo, human)
 M ROIAM-16186-02 Inhibition of scars in tendon and nerve injury
 ** ROIAM-16186-02 0001 Inhibition of scars in tendon and nerve injury - Tendon studies (rats)
 ** P13DE-02668-08 0009 Dental research center - Mineral metabolism (mammals, nonhuman)
 POIHD-00669-15 0008 Interdisciplinary program of research in aging - Mechanical properties of aged bone (dogs, mice, rats)
 POIHD-00669-15 0012 Interdisciplinary program of research in aging - Post-mature structural changes in human collagen
 ROIHD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
 ROIHD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
 P17HL-14230-04 0044 Lipids, atherosclerosis and thrombosis - Cholesterol in cerebrotendinous Xanthomatosis (human)

SKELETAL SYSTEM REGENERATION

- ROIDE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
 ** R23DE-03854-01 Dental lamina regeneration in salamander jaws

SKELETAL SYSTEM REGENERATION, BONE REGENERATION

SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS

- ** ROIAM-07822-11 Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles)

SKELETAL SYSTEM REGENERATION, LIMBS REGENERATION

- POIAM-03564-15 0010 Mesenchymal tissues and their diseases - Salamander limb regeneration
 ROIAM-07626-11 Bioelectrical properties of connective tissues (human, amphibians, cattle, rats)
 ROIAM-14742-04 Growth regulation in regeneration (newts)
 ** ROIAM-15732-03 Role of wound epidermis in regeneration (amphibians)
 ROIAM-15762-03 Tendon regeneration and development (chickens, chick embryo, human)
 ** ROIHD-05783-03 Induction in irradiated nuclear transfer embryos (salamanders, newts)

SKELETAL TISSUE PRESERVATION, BONE

- POINS-09823-04 0007 Communicative disorders clinical research center - Temporal bone morphology (human)

SKELETAL TISSUE PROSTHESIS, BONE

SEE ALSO DENTAL PROSTHESIS

SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE

PROSTHESIS

SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, LIMBS

- ARTIFICIAL
 P02AM-05577-13 0014 Clinical research unit in rheumatic diseases - Development of total knee replacement arthroplasty (human)
 P02AM-05577-13 0015 Clinical research unit in rheumatic diseases - Development of a patellar prosthesis (human)
 ** ROIAM-14964-03 Development of salvage prosthesis for the knee joint (human)
 ** ROIAM-16067-03 Hydrophilic methacrylates as self-locking implants (dogs, rabbits)
 POIAM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
 ROIAM-16267-03 Microcirculation and histology of healing bone (dogs)
 ** ROIAM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
 ** R23DE-03892-01 Fracture toughness of bone-prosthetic material composites

SKELETAL TISSUE TRANSPLANTATION, BONE

- ** ROIAM-14063-03 Quantitation of bone transplant repair (dogs, human)
 ROIAM-16267-03 Microcirculation and histology of healing bone (dogs)
 ** POIDE-01899-12 0002 Habilitation of the cleft palate individual - Orthodontics (human)
 ROIDE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
 POIDE-03568-01 0001 Craniofacial anomalies-etiology and treatment - Ocular hypertelorism (children)
 POIDE-03568-01 0002 Craniofacial anomalies-etiology and treatment - Hypoplasia of the midface
 POIDE-03568-01 0004 Craniofacial anomalies-etiology and treatment - Underdevelopment of the mandible
 ROIDE-03794-02 Surgical-orthodontics and bone healing (monkeys)
 ** P18HL-15166-03 0010 Comprehensive sickle cell disease center - Treatment of aseptic necrosis of the hip by bone grafting (human)

SKELETAL TISSUE TRANSPLANTATION, CARTILAGE

- ** ROIAM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)

SKELETAL VISUALIZATION*

- ** ROIAM-16475-01 System for assessing skeletal health from radiographs
 ** ROIAM-17149-01 Bioengineering three-dimensional spinal analysis (human)
 ** ROIGM-10797-09 0007 Pattern recognition in clinical medical laboratories - Bone evaluation from X-rays

SKELETAL VISUALIZATION, BONE SCANNING*

- POIGM-17729-04 0002 Diagnostic content and redundancy in radiative images - Extraction of radiative image intelligence
 ** ROIGM-20543-01 Technetium orthophosphate for bone imaging (dog, swine)

SKF 525A

SEE PHENYL CARBOXYLATES, PROADIFEN

SKIN (GENERAL)

SEE ALSO ALBUMINOIDS, KERATIN

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- SEE ALSO ALBUMINOIDS, KERATOHYALIN
SEE ALSO DERMATOLOGY TRAINING COMMITTEE
SEE ALSO DISEASES, PATHOLOGIC PROCESSES, IRRITATION, SKIN IRRITANTS
SEE ALSO ELECTRICAL MEASUREMENTS, GALVANIC SKIN RESPONSE
SEE ALSO PIGMENTATION, MELANOBLASTS
SEE ALSO PIGMENTATION, MELANOCYTES
P01A-08724-18 0006 Biology of streptococci - Streptolysin O
- R01AI-10856-02 Survival of pathogenic microorganisms on human skin
- ** R01AI-10938-01 Flora of human skin
R01AM-05865-11 Ion transport across biological membranes (frogs)
- R01AM-05924-14 Chemistry of keratins and their precursors (rats, frogs, human)
- ** R01AM-06838-12 Biosynthesis of keratin (human, rats, mice)
- R01AM-07939-12 Granulomatous hypersensitivity (human, guinea pigs)
- R01AM-08127-10 Biochemistry of altered dermal connective tissue (birds, human)
- ** R01AM-08368-16 Fine structure and cytochemistry of epidermis (human)
- M P01AM-08445-10 Biology of skin of man and other primates
- ** P01AM-08445-10 0011 Biology of skin of man and other primates - Comparative morphological investigations (human, mole, opossum)
- ** P01AM-08445-10 0014 Biology of skin of man and other primates - PFK as glycolytic regulator in skin and appendages of rhesus monkeys
- P01AM-08445-10 0015 Biology of skin of man and other primates - Ultrastructural studies of acne vulgaris (human)
- ** P01AM-08445-10 0016 Biology of skin of man and other primates - Ontogenic differentiation of skin
- R13AM-09431-09 Annual symposium on biology of the skin
- ** R01AM-10010-10 Analysis of the lipids of human skin
- ** R01AM-10332-09 Metabolism of pyrimidine nucleotides in skin (mice)
- R01AM-10358-09 Effects of penicillamine on collagen metabolism (human, rats, cattle)
- R01AM-10508-09 Ontogeny of osmotic and ionic regulation (frogs, salamanders)
- M R01AM-10546-09 Epidermal cell model from human skin
R01AM-11908-07 Effect of essential fatty acid deficiency on skin (mice, human)
- R01AM-12028-08 Ion transport across epithelial membranes (frogs, toads, rabbits)
- ** R01AM-12433-07 Cytochemical studies of keratinization (human, rats, rabbits)
- R01AM-13921-14 0002 Structure and organization of collagen fibers - In vivo conversion of procollagen to collagen (rats)
- R01AM-13929-04 Normal and psoriatic epidermal cell division (human, rats)
- R01AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
- ** R01AM-14693-04 Membrane bound granules of the epidermis (rats, chickens, frogs)
- ** R01AM-14914-03 Origin and metabolism of pyroglutamic acid in epidermis (mammals)
- ** R01AM-14941-02 Biochemical basis of prostaglandin action in the skin (human, rats)
- R01AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
- ** R01AM-15285-03 Biochemical regulation in epidermis (mice)
- R01AM-15317-03 Oculocutaneous pigment defects, blocks and treatment (human, rabbit, guinea pigs)
- R01AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- ** R01AM-15461-08 Physical and chemical nature of the cutaneous barrier (human)
- P01AM-15515-03 0002 Psoriasis biology, psoriogenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
- P01AM-15515-03 0003 Psoriasis biology, psoriogenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
- P01AM-15515-03 0009 Psoriasis biology, psoriogenesis and lesion control - Animal screening systems for topical drugs (swine, mice)
- P01AM-15515-03 0010 Psoriasis biology, psoriogenesis and lesion control - In vitro screening for drug action (human, mice, lizards)
- R01AM-15664-03 Ectoparasitism-Immunological phenomena (dogs)
- ** R01AM-15669-03 Cytokinetics of repair in beta-irradiated epidermis (guinea pigs)
- R01AM-15732-03 Role of wound epidermis in regeneration (amphibians)
- R01AM-15740-03 Cell division control in normal and psoriatic skin
- ** R01AM-16060-03 Chemical, temperature, and wound induced epidermal mitosis (human, mice)
- ** R01AM-16262-02 Epidermal macromolecular metabolism
- ** R01AM-16350-02 Vitamin E metabolism in skin (rats)
- R01AM-16441-08 Intermediate metabolism in epidermal differentiation
- ** R01AM-16478-02 Molecular heterogeneity of human skin collagen
- R01AM-16663-03 Electrophysiology of skin and kidney tubules (frogs, rabbits)
- ** R01AM-16731-02 Hormonal action in amphibian skin (newts)
- ** R13AM-16751-01 Epidermal biochemistry conference (Michigan)
- R01AM-16767-02 Control of collagen biosynthesis and maturation (human, swine)
- R01AM-17226-01 Growth factor from plerocercoids of *S. mansoni* (also animals)
- ** R01AM-17253-01 Structural proteins in genetic defects of epidermis
- R01AM-17370-01 Mechanisms of proteolysis in human skin
- R01AM-17459-01 Environmental light calciferol and calcium homeostasis (swine, human)
- R01AM-17687-01 Epidermal transglutaminase-Role in keratinization
- R01CA-05003-16 0007 Dermatologic reactions induced by solar radiation - Effects of ultraviolet laser on mammalian skin (human, guinea pigs)
- P02CA-05826-13 0084 Clinical cancer research center - Transplantation immunology of skin (human, mice, tissue culture)
- ** R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- P02CA-06518-11 0009 Radiation and radiobiology research center - Fractionated response to hyperthermia and x-radiation (mice)
- R01CA-07093-12 Tyrosinases-Mechanism of action and regulation (human, rodents, pigs)
- P01CA-08748-09 6810 Research program of Sloan-Kettering Institute - Production of serum antibody to epidermal cell surface antigens in mice
- R01CA-08748-09 7802 Research program of Sloan-Kettering Institute - Cell-associated immunity to cancer (human, mice)
- P02CA-08832-08 0117 An integrated study of advanced malignant diseases - Effect of various atomic number absorbers on skin dose for IOMV x-rays
- P01CA-10815-06 0065 Consolidated basic cancer research program - Significance of sterol precursors accumulation by glioblastomas (mice)
- ** R01CA-10844-06 Comparative histogenesis of hair and squamata skin (reptiles, cyclostomes, mice)
- R01CA-11138-06 Radiobiology of normal tissues (mice)
- ** P01CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
- P01CA-12376-03 0021 Environmental carcinogenesis - Tumor promoters (mice)
- P01CA-12441-04 0003 Fast neutron beam radiotherapy - Experimental radiation oncology (mice)
- ** R01CA-12496-04 Susceptibility of cutaneous cells to DNA injury by UV (rodents)
- P01CA-12542-03 0003 Fast neutron therapy with TAMVEC cyclotron - Tissue radiobiology (swine, miniature, monkeys)
- R01CA-12906-03 Benzpyrene hydroxylase and carcinogenesis (mice)
- R01CA-13155-03 Early and critical events in chemical carcinogenesis (mice, rats)
- R01CA-14710-02 Irreversibility of latent tumor cells (mice)
- R01CA-15207-01 Neoplasia-predisposing genes in cell culture (human)
- R01CA-15511-01 Radiotherapy planning based on cell kinetics (mice)
- P01CA-15820-01 0005 Comparative Oncology Research Program - Therapeutic studies-Normal tissue response
- N01CP-22064-02 Organ culture assay of vitamin A analogs (mice, chickens)
- N01CP-43251-00 Viral transformation and chromosomal aberrations in human tumors
- N01CP-43365-00 RNA tumor virus transformation of skin fibroblast cells
- N01CP-45619-00 Purification of epidermal chalone (rats)
- PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- PO1DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
- ** P13DE-02600-08 0023 Planning of a research center in oral biology - Human epidermal differentiation
- R01DE-02636-08 Mobilization of connective tissue components (rabbits, rats, human)
- ** P13DE-02668-08 0009 Dental research center - Mineral metabolism (mammals, nonhuman)
- P13DE-02670-08 Institute of Dental Research
- N01DE-42435-00 Development of improved materials for extraoral maxillofacial prosthesis
- ** P10ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
- ** P01ES-00354-07 0001 Human responses to thermal environment - Heat transfer from skin surface to the environment (man)
- R01GM-03545-20 Metabolism and active ion transport in frog skin
- P01GM-13543-09 0001 Cellular and molecular pathology - Replicative life-span of human fibroblasts (human, animals)
- P01GM-13543-09 0009 Cellular and molecular pathology - Influence of hormones on wound healing in humans (rats)
- P01GM-15571-06 0001 Anesthesia research-Program project - Control of respiration in hyperpnea of exercise (dogs, human)
- P01GM-16436-06 0001 Bioengineering program project - Cardiac muscle mechanics(mammals)
- ** P01GM-16436-06 0027 Bioengineering program project - Clinical evaluation of skin elasticity (human)
- R01GM-18805-03 Wound healing vs tissue regeneration (rabbit)
- R01HD-00143-15 Cytology of growing and differentiating cells (animals)
- P01HD-00669-15 0006 Interdisciplinary program of research in aging - Biological turnover and crosslinking of aging collagen (dogs, rats)
- ** R01HD-00700-11 Epidermal growth factor (mice, human)
- P01HD-04872-04 0001 Metabolism and aging - Interchain covalent crosslinks in skin collagen (guinea pigs)
- P01HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
- P01HD-05797-04 0022 Population and reproductive biology - Epidermal growth factor (mice)
- P01HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
- ** P01HD-05996-03 0005 Prevention of mental retardation through prenatal diagnosis - Fetal skin biopsy in utero (primates, human)
- R01HD-07382-03 Development of cell shape in embryonic epithelia (marine fish, salamanders)
- R01HL-05883-14 Reflex control of resistance and capacitance vessels
- R01HL-09773-09 Circulatory distribution and energy metabolism (human, baboons)
- R01HL-12745-06 0002 Enzymes and inhibitors of cholesterol biosynthesis - Trans-methylglutamate shunt and its existence in man
- P17HL-14141-04 0003 SCOR for atherosclerosis in childhood - Detection of abnormalities in lipid metabolism (human, rabbits, rats)
- P17HL-14197-04 0005 Center of research on arteriosclerosis - Regulation of lipid and lipoprotein metabolism (rats, human)
- P17HL-14214-04 0020 Neonatal lung center - Epidermal growth factor in blood (lambs, human)
- P17HL-14230-04 0017 Lipids, atherosclerosis and thrombosis - Excretion of sterols from the skin (human)
- P17HL-14230-04 0073 Lipids, atherosclerosis and thrombosis - Cholesterol and beta sitosterol from skin fibroblasts (human)
- P01HL-14322-03 0009 Interdisciplinary program in biomaterials science - Molecular design and clinical application of collagen-gelatin composite material
- R01HL-14563-03 Efferent nerve impulse traffic in hemorrhagic shock (dogs)
- ** R01HL-15768-02 Quantitative dermatology-xenon skin blood flow (human)
- ** P01HL-16910-01 0003 Regulation of the peripheral circulation - Thermoregulation and control of circulation to the skin (human, baboons)
- R01NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- R01NS-04655-12 Single unit activity and thermoregulation (rabbits)
- R01NS-11517-01 Behavioral thermoregulation-Role of the brainstem (monkey)
- N01NS-22318-03 Cutaneous and visual patterned stimulation communication aids for deaf infant
- R01OH-00410-05 Environmental injury and repair of epidermis
- M01RR-00059-13 0067 General clinical research center - Excretion of animal and plant sterols from skin of man
- M01RR-00079-12 0116 General clinical research center - Gamma globulin, thyroid and skin function in lichen myxedematosus (human)
- M01RR-00107-11 0042 General clinical research center - Chromosomal status after bleomycin in vivo (human)
- ** M01RR-00261-09 0094 General clinical research center - Human epidermal lipogenesis

SKIN, DERMATOGLYPHICS

- P01CA-15655-01 0009 Cancer center support grant - Genetic studies in cancer (human, animals)
- PO1DE-01770-12 0001 Oral pathology - Syndromes of head and neck (human)
- P01GM-20130-01 0003 Clinical genetics research center - Mental retardation
- P01GM-21054-01 0004 Human genetics center - Half sibs
- P01HD-05615-04 0009 Developmental biology in mental retardation - Chromosome abnormalities and gene linkage (human)
- R01HD-06669-02 Genetic and environmental bases of human cognition

SKIN, HAIR FOLLICLE

- R01AM-03892-16 Action of hormones on protein and RNA metabolism (human, mammals, chickens)
- R01AM-15669-03 Cytokinetics of repair in beta-irradiated epidermis (guinea pigs)

(cont'd)

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- ** RO1AM-17425-01** Acne-isolated sebaceous follicles (human)
RO1CA-12686-02 Differentiation during progression to malignancy (rabbits)
PO1CA-13343-02 0012 Environmental cancer - Experimental radiation skin carcinogenesis (rats, mice)
PO1CA-14599-01 0041 University of Chicago Cancer Research Center - Fast neutron radiation therapy of cancer (human, dogs, mini-swine, hamster)
PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
**** PO1ES-00269-08 0003** Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
**** PO1GM-15253-08 0023** Genetics in medicine-Gene action in man - Hair follicle
RO1GM-19241-03 Developmental genetics of the dog
- SKIN, INVERTEBRATE CUTICLE**
**** RO1AI-10822-03** Cuticle formation in parasitic nematodes
PO1ES-00049-10 0026 Mode of action and metabolism of organic toxicants - l-Benzoyl-3-phenylurea-Metabolism and mode of action (insects)
PO1HD-08181-01 0007 Cell biology of aging - Biochemical analysis (caenorhabditis)
- SKIN, LANGERHANS CELLS**
PO1AM-08445-10 0016 Biology of skin of man and other primates - Ontogenic differentiation of skin
**** RO1CA-13217-03** Langerhans cells in benign and malignant skin diseases (human, guinea pigs)
- SKIN, SCALP**
PO1GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
MO1RR-00133-10 0064 General clinical research center - Percutaneous absorption of zinc pyrithione (human)
- SKIN, SEBACEOUS GLANDS**
SEE ALSO SKIN SECRETIONS, SEBUM
**** RO1AM-07084-13** Hormonal control of sebaceous gland function (human)
**** PO1AM-08445-10 0002** Biology of skin of man and other primates - Androgen action on sebaceous glands (hamsters)
**** PO1AM-08445-10 0006** Biology of skin of man and other primates - Electron histochemistry of sebaceous glands (prosimians, human)
RO1AM-10010-10 Analysis of the lipids of human skin
**** RO1AM-15379-03** Lipases of sebaceous follicles relation to acne (human)
RO1AM-16441-08 Intermediate metabolism in epidermal differentiation (human)
**** RO1AM-17425-01** Acne-isolated sebaceous follicles (human)
NO1HD-42864-00 Steroid hormones on sebaceous gland secretion and on development of acne
- SKIN, SWEAT GLANDS**
SEE ALSO SKIN SECRETIONS, SWEAT
RO1AM-06365-12 Exocrine gland function in cystic fibrosis (human, rats)
RO1AM-08311-10 Obesity and physiological response to environment (human)
RO1AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
RO1AM-12934-05 Physiology of the secretion of sweat (human, cats, rats, primates)
**** RO1AM-13455-05** Sweat gland defect in pancreatic fibrosis (human, reptiles, birds)
**** RO1AM-16258-02** Mechanism of eccrine sweat gland function (human, cats, monkeys)
**** RO1AM-16703-01** Heat acclimation in Macaca mulatta
**** RO1MH-19722-04** Adaptive function of electrodermal activity (human)
- SKIN ABSORPTION**
**** RO1AM-11649-06** Percutaneous absorption (human, rats, mice)
**** MO1RR-00133-10 0064** General clinical research center - Percutaneous absorption of zinc pyrithione (human)
- SKIN DERIVATIVES**
**** PO1CA-14733-02 0011** Control of gene expression, virus replication and cell growth - Skin and cartilage development (avian embryo)
- SKIN DERIVATIVES, HAIR**
**** RO1AM-06838-12** Biosynthesis of keratin (human, rats, mice)
**** PO1AM-08445-10 0011** Biology of skin of man and other primates - Comparative morphological investigations (human, mole, opossum)
**** PO1AM-08445-10 0012** Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
**** PO1AM-08445-10 0021** Biology of skin of man and other primates - The hair growth cycle (rats)
R22AM-09980-09 0009 Infantile diarrhea and malnutrition (Peru, Baltimore) - Indicators of protein status (human)
- PO2AM-10202-08 0001** Studies in human nutrition - Optimal weight reduction diet in obesity (human)
RO1AM-12432-06 Human chromium nutrition and deficiency
RO1AM-15317-03 Oculocutaneous pigment defects, blocks and treatment (human, rabbit, guinea pigs)
RO1CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
**** RO1CA-10844-06** Comparative histogenesis of hair and squamate skin (reptiles, cyclostomes, mice)
RO1CA-11138-06 Radiobiology of normal tissues (mice)
PO1CA-13343-02 0007 Environmental cancer - Inhibition of cancer by protease inhibitors and steroid hormones (rodents)
RO1ES-00843-03 Diagnosis and therapy of chronic childhood plumbism
RO1ES-00902-02 Diagnosis and therapy of chronic childhood plumbism
PI1GM-15190-08 0011 Center for toxicological research and training - Metabolism of methylmercury compounds in man
PO1HD-03015-08 0006 Program for developmental biology - Developmental genetics (human)
PO1HD-04024-06 0007 Mental retardation research center - Trace metal metabolism (human)
RO1HD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
RO1NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
RO1NS-04403-12 Determination of susceptibility to hearing loss (chinchillas)
**** PO1NS-11647-01 0007** Peripheral and central auditory mechanisms - Search for the afferent transmitter substance (guinea pig, cat, rat)
**** PO1NS-11647-01 0008** Peripheral and central auditory mechanisms - Binding of terphenyl hemicholinium-3 by cochlear hair cell nuclei (guinea pigs)
- SKIN DERIVATIVES, NAILS**
RO1AM-06838-12 Biosynthesis of keratin (human, rats, mice)
PO2AM-10202-08 0001 Studies in human nutrition - Optimal weight reduction diet in obesity (human)
- SKIN DISORDERS**
SEE ALSO BACTERIAL DISEASES, ERYSIPELAS SWINE
SEE ALSO DISEASES, SYNDROMES NOT LISTED ELSEWHERE, BEHCET'S SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, ACRODERMATITIS ENTEROPATHICA
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, ALBINISM
SEE ALSO METABOLIC DISORDERS INBORN, PORPHYRIA
SEE ALSO METABOLIC DISORDERS INBORN, PSEUDOKANTHOMA ELASTICUM
SEE ALSO METABOLIC DISORDERS INBORN, PSORIASIS
SEE ALSO METABOLIC DISORDERS INBORN, XERODERMA PIGMENTOSUM
SEE ALSO MUSCULAR DISORDERS, MYOSITIS, DERMATOMYOSITIS
SEE ALSO PIGMENTATION DISORDERS (GENERAL)
SEE ALSO SKIN ULCERS
**** NO1AI-02131-05** Study of interferon and interferon inducers (rabbits, mice)
**** RO1AI-09527-10** Prospective study of skin infections and nephritis (children)
PO1AI-12225-01 0003 Immunopathology and clinical immunology - Clinical significance of antibodies to nuclear antigens (human)
**** RO1AM-09995-09** Action spectra and biochemistry of photodermatoses (human, mice)
**** RO1AM-10546-09 0001** Epidermal cell model from human skin - Epidermal-dermal interactions in normal and diseased skin
**** RO1AM-10546-09 0002** Epidermal cell model from human skin - Formation, origin and function of structures at epidermal-dermal junction
RO1AM-12129-07 0001 Collagenases and collagen remodeling - Collagen degradation in human skin
RO1AM-12433-07 Cytochemical studies of keratinization (human, rats, rabbits)
RO1AM-14545-05 Carotenoid therapy of photosensitive porphyria (human)
**** RO1AM-15285-03** Biochemical regulation in epidermis (mice)
**** PO1AM-15515-03 0001** Psoriasis biology, psoriagenesis and lesion control - Mitotic behavior in epidermal system (human, lizards, mice)
**** PO1AM-15515-03 0003** Psoriasis biology, psoriagenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
**** PO1AM-15515-03 0004** Psoriasis biology, psoriagenesis and lesion control - Anatomic determinants of psoriagenesis (human)
**** PO1AM-15515-03 0005** Psoriasis biology, psoriagenesis and lesion control - Mechanism of psoriagenesis by chloroquin and quinacrine (human)
RO1AM-16060-03 Chemical, temperature, and wound induced epidermal mitosis (human, mice)
RO1AM-16262-02 Epidermal macromolecular metabolism
- PO1AM-16516-03 0006** Biochemistry of normal and diseased connective tissue - Scleroderma and related conditions (human)
RO1AM-17154-01 Therapy of metabolic diseases (human)
**** PO1ES-00269-08 0003** Biological effects of environmental radiation - Animal models and cutaneous biology (rodents, rabbits, miniature swine)
**** PO1ES-00269-08 0005** Biological effects of environmental radiation - Environmental photobiology (human, swine, miniature, rats)
RO1ES-00353-07 Pathogenesis of pulmonary berylliosis (guinea pigs)
RO1HS-00188-05 Computer-medicine laboratory
RO1HS-00422-05 Ecology of migrant peoples-Mississippi
RO1MH-21294-03 Hypnosis, suggestion and psychocutaneous effects
**** MO1RR-00030-13 0040** General clinical research center - Pituitary adrenal axis suppression by steroids in dermatologic disorders (human)
MO1RR-00047-14 0004 General clinical research center - Degradation of monopolysaccharides by leukocyte transfusions (human)
MO1RR-00123-11 0012 General clinical research center-Children - Subcutaneous and pulmonary lymphangiectasia
**** MO1RR-00125-11 0177** General clinical research center-adult-child - Vasculitis-Lymphomatoid Papulosis and Mucosa-Haberman disease
**** MO1RR-00229-09 0063** General clinical research center - Effect of pentostam in cutaneous leishmaniasis (human)
MO1RR-00400-06 0039 General clinical research center-adult - Oculocutaneous pigment defects, blocks and treatment (human)
MO1RR-00400-06 0041 General clinical research center-adult - Oculocutaneous pigment defects, blocks and treatment-study 2 (human)
PO6RR-00515-06 Animal models for comparative medical research (cats, dogs, mink, horses, cattle)
- SKIN DISORDERS, ACANTHOSIS NIGRICANS**
**** MO1RR-00055-13 0112** General clinical research center - Acanthosis nigricans a result of stilbesterol therapy
- SKIN DISORDERS, BUSTERS**
RO1AM-16752-03 Pathogenesis of bullous diseases (human)
PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
**** RO1MH-21294-03** Hypnosis, suggestion and psychocutaneous effects
- SKIN DISORDERS, CUTIS LAXA**
RO1AM-17128-01 Collagen and elastin of connective tissue disease
- SKIN DISORDERS, DERMATITIS**
SEE ALSO HYPERSENSITIVITY, ATOPIC DERMATITIS
SEE ALSO HYPERSENSITIVITY, CONTACT DERMATITIS
RO1AI-07826-06 Studies on in vivo growth of staphylococci (mice, rabbits)
RO1AI-12186-01 Diagnostic significance-Antibody response to gonorrhea (human)
RO1AI-12219-01 Streptococcal epidemiology and immunity (rabbits, human)
RO1AM-04524-14 0004 Requirements of polyunsaturated fatty acids - Diseases and nutritional problems involving fatty acid metabolism (human)
RO1AM-08368-16 Fine structure and cytochemistry of epidermis (human)
RO1AM-16059-16 Pathogenesis of human elementary mucosal disease (human, rats)
PO1HD-05961-03 0001 Human and mammalian development - Developmental defects of intrauterine B6 deficiency (rats)
MO1RR-00056-13 0056 General Clinical Research Center - Amino acid, sodium and water absorption in diarrhea (human)
**** MO1RR-00063-12 0066** General clinical research center - Psoriasis or neurodermatitis
**** MO1RR-00063-02 0046** General clinical research center - Modification of barrier function in exfoliating skin disease (human)
- SKIN DISORDERS, ECZEMA**
**** MO1RR-00833-01 0007** General clinical research center - Systemic effects of topically applied glucocorticosteroids (human)
- SKIN DISORDERS, ERYTHEMA**
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
RO1AI-11865-04 Enteropathogen of Clostridium perfringens (human, primate, rabbit, guinea pig)
**** RO1CA-05003-16 0005** Dermatologic reactions induced by solar radiation - Additive effects of UV-A and UV-B on the development of erythema (human)
**** RO1CA-05003-16 0008** Dermatologic reactions induced by solar radiation - Ultraviolet-induced erythema as skin cancer susceptibility indicator (human)
RO1CA-05003-16 0009 Dermatologic reactions induced by solar radiation - Psoralens and UV-A or sunlight to increase tolerance to sunlight

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(contd)

- PO1CA-12542-03 0003 Fast neutron therapy with TAMVEC cyclotron - Tissue radiobiology (swine, miniature, monkeys)
 PO1CA-16127-01 0002 Cancer Research and Treatment Center Program - Human radiobiology studies with pions
 P10ES-00159-09 0022 Center for study of the human environment - Skin and ultraviolet radiation and photosensitizing agents (guinea pigs)
- ** P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
 P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
 RO1HD-00737-10 Clinical and laboratory studies on rubella (human, ferrets, gerbils)
 ** MO1RR-00069-12 0108 General clinical research center, children - Investigation of family with Sticker's syndrome
- SKIN DISORDERS, ERYTHEMA MULTIFORME**
 RO1AI-10496-03 Basophilic leukocytes in human allergic disease
 RO1AM-16984-02 Human immune complex diseases
- SKIN DISORDERS, ERYTHEMA NODOSUM**
 P11GM-15759-08 0018 Clinical pharmacology in rheumatic and muscular diseases - Effect of anti-inflammatory agents on acute and chronic inflammation in patients
- SKIN DISORDERS, HAIR FOLLICLE, ALOPECIA**
 PO1AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
 PO1CA-15192-01 Cancer Center Support Grant Specialized health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)
 RO1GM-19227-03 Determination of steroids in blood (human)
 MO1RR-00030-13 0015 General clinical research center - Aminoacidurias (human)
 ** MO1RR-00035-14 0066 General clinical research centers - Effect of cortisone on alopecia (human)
 ** MO1RR-00052-13 0017 General clinical research center for children - Effect of steroids on alopecia
- SKIN DISORDERS, KELOID**
 SEE ALSO WOUNDS, SCARS
 PO1AM-16516-03 0006 Biochemistry of normal and diseased connective tissue - Scleroderma and related conditions (human)
 RO1GM-20298-01 Collagen metabolism in wound repair and keloid (rats)
- SKIN DISORDERS, LUPUS**
 SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
 PO1AM-10824-08 0016 Cellular immunity - Immunoassay for circulating immunoregulatory alpha globulin (human, rabbits)
 RO1AM-13572-05 A serum C3 inactivator in nephritis (human)
- SKIN DISORDERS, LUPUS ERYTHEMATOSUS DISCOID**
 RO1AM-09995-09 Action spectra and biochemistry of photodermatoses (human, mice)
 RO1AM-16576-02 Properdin in connective tissue diseases (human)
 RO1AM-17196-02 Clinicopathologic and other studies on renal disease (human, rats)
 MO1RR-00079-12 0130 General clinical research center - Reticular tubular structures in chronic granulomatous disease (human)
- SKIN DISORDERS, NAIL**
 ** RO1AM-16198-01 Biology and pathophysiology of nail diseases (human, rats, monkeys)
 MO1RR-00123-11 0037 General clinical research center - Children - Hematologic disorders
- SKIN DISORDERS, NAIL, PARONYCHIA**
 RO1AM-16198-01 Biology and pathophysiology of nail diseases (human, rats, monkeys)
- SKIN DISORDERS, PEMPHIGUS**
 RO1AI-12049-01 Immunopathology of bullous skin diseases (human)
 ** RO1AM-10537-08 Autoimmunity in bullous diseases (rabbits, human)
 ** RO1AM-16752-03 Pathogenesis of bullous diseases (human)
 PO1HL-13108-05 0035 Clinical heart transplantation - Effect of steroids on lipoprotein levels (human)
- SKIN DISORDERS, PITIRIASIS**
 MO1RR-00125-11 0177 General clinical research center - adult-child - Vasculitis-Lymphomatoid Papulosis and Mucha-Haberman disease
- SKIN DISORDERS, PITIRIASIS RUBRA**
 RO1AM-14887-07 0004 Pathophysiology and chemotherapy in psoriasis and cancer - Mechanism of drug action in skin
 RO1AM-16412-01 Bioinorganic and medical aspects of CU-cystinate
- SKIN DISORDERS, PRURITUS**
 RO1CA-05003-16 0013 Dermatologic reactions induced by solar radiation - Polymorphic photodermatoses and effects of oral beta carotene (human)
 RO1HD-03148-07 Bilirubin metabolism during the perinatal period (human, guinea pigs)
 RO1NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
- SKIN DISORDERS, SEBACEOUS GLAND**
 PO1HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
 ** NO1HD-42863-00 Steroid hormone effect on sebaceous gland secretion and acne development
- SKIN DISORDERS, SEBACEOUS GLAND, ACNE**
 RO1AI-10938-01 Flora of human skin
 ** RO1AI-11915-01 Individual differences in surface flora of acne skin (human)
 RO1AM-07084-13 Hormonal control of sebaceous gland function (human)
 ** RO1AM-07388-12 Evaluation of pathogenic factors in acne vulgaris (human)
 ** PO1AM-08445-10 0015 Biology of skin of man and other primates - Ultrastructural studies of acne vulgaris (human)
 ** RO1AM-15379-03 Lipases of sebaceous follicles relation to acne (human)
 ** RO1AM-17425-01 Acne-isolated sebaceous follicles (human)
 ** NO1HD-42863-00 Steroid hormone effect on sebaceous gland secretion and acne development
 NO1HD-42864-00 Steroid hormones on sebaceous gland secretion and on development of acne
 ** MO1RR-00031-14 0072 General clinical research center - Abnormalities of androgen metabolism (human)
 ** MO1RR-00049-13 0043 General clinical research center - Treatment of acne, psoriasis and ichthyosiform dermatosis (human)
- SKIN DISORDERS, SKIN KERATOSIS**
 SEE ALSO CONGENITAL ABNORMALITIES, SKIN, ICHTHYOSIS
 SEE ALSO CONGENITAL ABNORMALITIES, SKIN, KERATOSIS FOLLICULARIS
 ** RO1AM-11908-07 Effect of essential fatty acid deficiency on skin (mice, human)
 RO1AM-14121-05 Metabolic control of epidermal cell growth (human, rabbits)
 RO1CA-05003-16 0006 Dermatologic reactions induced by solar radiation - Development of protective methods against sun induced skin damage (human)
 ** P01ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
 P01ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- SKIN DISORDERS, SWEAT GLAND**
 PO1HL-16910-01 0003 Regulation of the peripheral circulation - Thermoregulation and control of circulation to the skin (human, baboons)
- SKIN DISORDERS, URTICARIA**
 SEE ALSO METABOLIC DISORDERS INBORN, ANGIONEUROTIC EDEMA (HEREDITARY)
 PO2AM-05577-13 0010 Clinical research unit in rheumatic diseases - Chemical mediators in acute inflammatory states (rabbits)
 ** MO1RR-00030-13 0035 General clinical research center - Familial cold urticaria (human)
 ** MO1RR-00051-13 0103 General clinical research center - Familial cold urticaria (human)
 ** MO1RR-00334-08 0040 General clinical research center - Functional lung changes in cold urticaria (human)
- SKIN DISORDERS, URTICARIA PIGMENTOSA**
 P15A-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
 ** P15A-11403-02 0004 Allergic diseases center grant - Relationship between IgE and atopic dermatitis and chronic urticaria (human)
 RO1NS-04147-12 Fine structure and chemistry of nerve endings (human, rats)
 ** MO1RR-00030-13 0030 General clinical research center - Relationship of gut biocenosis to selected human disease
- SKIN DISORDERS, VESICULAR (GENERAL)**
 RO1AI-12049-01 Immunopathology of bullous skin diseases (human)
 RO1AM-16593-01 Complement activation via the C3 shunt in skin disease
 RO1AM-16752-03 Pathogenesis of bullous diseases (human)
 ** MO1RR-00107-11 0051 General clinical research center - Mechanobullous diseases (human)
- SKIN DISORDERS, VITILIGO**
 ** RO1CA-05003-16 0011 Dermatologic reactions induced by solar radiation - Phototherapy of idiopathic leukoderma
 ** RO1OH-00513-01 Detection of environmental depigmenting substances (guinea pigs)
 MO1RR-00123-11 0037 General clinical research center - Children - Hematologic disorders
- ** MO1RR-00722-02 0025 General Clinical Research Center - Pathogenesis, immunology, management of skin diseases and solid tumors (human)
- SKIN DISORDERS CHEMOTHERAPY**
 SEE ALSO SKIN PHARMACOLOGY
 RO1AI-11915-01 Individual differences in surface flora of acne skin (human)
 ** PO1AM-15515-03 0008 Psoriasis biology, psoriagenesis and lesion control - Anthralin effects (human, mice)
 ** PO1AM-15515-03 0010 Psoriasis biology, psoriagenesis and lesion control - In vitro screening for drug action (human, mice, lizards)
 PO1DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
 MO1RR-00032-14 0054 General clinical research center - Pathogenesis and treatment of Darier's disease
 MO1RR-00035-14 0066 General clinical research centers - Effect of cortisone on alopecia (human)
 ** MO1RR-00049-13 0043 General clinical research center - Treatment of acne, psoriasis and ichthyosiform dermatosis (human)
 MO1RR-00052-13 0017 General clinical research center for children - Effect of steroids on alopecia
 MO1RR-00125-11 0159 General clinical research center - adult-child - Effect of melatonin on skin pigmentation and the endocrine system
 MO1RR-00261-09 0049 General clinical research center - Hepatotoxicity from use of methotrexate in psoriasis (human, mice)
 MO1RR-00261-09 0100 General clinical research center - Psoriasis and cancer (human)
 ** MO1RR-00633-02 0046 General clinical research center - Modification of barrier function in exfoliating skin disease (human)
 MO1RR-00833-01 0007 General clinical research center - Systemic effects of topically applied glucocorticosteroids (human)
 MO1RR-00833-01 0008 General clinical research center - Treatment of psoriasis with triacetyl azauridine (human)
- SKIN INFECTIONS**
 SEE ALSO MYCOSES, DERMATOMYCOSES
 SEE ALSO SKIN NEOPLASMS, VIRUS WARTS
 SEE ALSO VIRUS DISEASES, HERPESVIRUS, HERPES SIMPLEX
 PO1AM-08724-18 0008 Biology of streptococci - Type-specific antibodies (human, hamsters)
 MO1RR-00847-01 0009 Clinical research centers - Adenine arabinoside in treatment of immunosuppressed patients
- SKIN IRRITANTS**
 SEE DISEASES, PATHOLOGIC PROCESSES, IRRITATION, SKIN IRRITANTS
- SKIN NEOPLASMS**
 SEE ALSO CONGENITAL ABNORMALITIES, SKIN, NEVUS
 SEE ALSO METABOLIC DISORDERS INBORN, XERODERMA PIGMENTOSUM
 PO1AM-08445-10 0016 Biology of skin of man and other primates - Ontogenic differentiation of skin
 RO1AM-14887-07 0004 Pathophysiology and chemotherapy in psoriasis and cancer - Mechanism of drug action in skin
 ** RO1AM-15206-03 Neoplastic and hyperplastic epidermal metabolism (human, rats)
 RO1AM-17179-01 Cyclic AMP in psoriasis
 R10CA-02822-19 Eastern cooperative oncology group (human)
 ** RO1CA-05003-16 0006 Dermatologic reactions induced by solar radiation - Development of protective methods against sun induced skin damage (human)
 ** RO1CA-05003-16 0008 Dermatologic reactions induced by solar radiation - Ultraviolet-induced erythema as skin cancer susceptibility indicator (human)
 R10CA-05588-14 Eastern cooperative oncology group
 RO1CA-05790-13 Cytology of viral neoplasms in fish
 ** PO2CA-05837-12 0002 Cancer clinical research - 5-Fluorouracil (human)
 PO2CA-05837-12 0003 Cancer clinical research - Immunotherapy (human)
 PO2CA-06294-13 0008 Radiotherapy research - High LET radiation therapy (human, dogs)
 ** RO1CA-07160-10 Possible neoplastic effects of non-neoplastic viruses (mice)
 ** PO1CA-07175-11 0001 Cancer research at the McArdle laboratory - Mechanism of mouse tumor skin formation
 R10CA-07190-12 Eastern cooperative oncology group
 ** PO2CA-08341-09 0045 Clinical pharmacology and cancer chemotherapy - Experimental tumor chemotherapy (mice)
 PO1CA-08748-09 6312 Research program of Sloan-Kettering Institute - Dose-response curves of skin lesions to electron beam radiation (human)
 RO1CA-09599-16 0001 Histochemical and quantitative studies of neoplasia - Benzpyrene hydroxylase activity after chronic exposure to benzpyrene (mice)
 ** R10CA-10948-06 Eastern cooperative oncology group
 R10CA-11109-06 Eastern cooperative oncology group
 M PO1CA-11536-05 Cell control in integumental cancer
 PO1CA-11536-05 0011 Cell control in integumental cancer - Early diagnosis of cancers and precancers

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

|| Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-11536-05 0012 Cell control in integumental cancer - Malignant cell behavior and morphology (mice)
- ** PO1CA-12227-04 0005 Core program in carcinogenesis - Tumor progression (human)
- ** PO1CA-12376-03 0017 Environmental carcinogenesis - Aryl hydrocarbon hydroxylase and skin carcinogenesis (mice)
- PO1CA-12582-04 0002 Multidisciplinary cancer diagnosis and therapy - Antigenic specificity of different histologic types of neoplasms (human)
- RO1CA-12585-04 Development of antitumor nucleosides (animals, bacteria)
- RO1CA-12759-03 Effect of environmental factors on ultraviolet injury (mice, rabbits)
- ** PO1CA-12923-02 0005 A correlated study on the biology of neoplasia - Nature of cutaneous malignant melanoma (human)
- RO1CA-13007-03 Human wart virus as an oncogenic agent
- RO1CA-13086-03 Identification of viruses associated with human cancer (human, mice, guinea pigs)
- ** RO1CA-13217-03 Langerhans cells in benign and malignant skin diseases (human, guinea pigs)
- ** PO1CA-13330-03 0047 Cancer research program - Role of viral infection and 3-methylcholanthrene in neoplastic response (mice)
- PO1CA-13343-02 0007 Environmental cancer - Inhibition of cancer by protease inhibitors and steroid hormones (rodents)
- ** PO1CA-13343-02 0012 Environmental cancer - Experimental radiation skin carcinogenesis (rats, mice)
- ** RO1CA-13464-03 Photochemical reactions related to skin cancer (mice)
- RO1CA-13598-03 Interactions between DNA and skin-sensitizing coumarins (bacillus subtilis)
- ** RO1CA-13599-04 Relation of immune reactions to cutaneous neoplasia (human, rats)
- ** RO1CA-13675-01 Determinants of fatal skin tumors (human)
- ** PO2CA-13696-02 0040 Clinical cancer research center - Basal cell carcinoma (human)
- ** PO2CA-13943-02 0050 Clinical pharmacology immunology cancer research center - Dermatology
- ** PO1CA-14395-02 0031 Cancer research center of Greater Miami - DNA biosynthesis and drug effects in skin cancer (human)
- RO1CA-14442-02 Western Cancer Study Group
- RO1CA-14447-02 Cell membrane interrelationships in human cancer (and mice)
- RO1CA-14826-02 Quantitative study of carcinogenesis by hydrocarbons (mice)
- ** RO1CA-15276-01 Induction and culture of EGF-dependent skin tumors (mice)
- ** PO1CA-15655-01 0035 Cancer center support grant - Early diagnosis of skin cancer by ultraviolet video techniques (human)
- ** PO1CA-15823-01 0005 Program in developmental biology of cancer - Lysis of basement membranes in neoplastic tissues (mice)
- PO1CA-16359-01 0058 Cancer center support grant - Cancer related clinical activities
- NO1CB-43853-00 Assays for immune depression in cancer patients
- ** NO1CP-33202-01 Carcinogenic properties of industrial chemicals (hamsters, mice)
- ** NO1CP-33373-02 Application of immunotherapy to malignant diseases (human)
- ** NO1CP-43271-00 UV photocarcinogenesis (mice)
- ** NO1CP-43320-00 Mouse dermal bioassays of cigarette smoke condensates
- ** NO1CP-43396-00 A review of skin cancer statistics
- ** P10ES-00210-07 0015 Center for environmental management - Skin cancer and arsenic in Lane County, Oregon
- P10ES-00260-12 0008 Research in the environmental health sciences - Tumorigenic response to ionizing radiation and chemical carcinogens (rats, mice)
- P10ES-00260-12 0022 Research in the environmental health sciences - Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether
- PO1ES-00269-08 0001 Biological effects of environmental radiation - Instrumentation (human, animals)
- ** PO1ES-00269-08 0006 Biological effects of environmental radiation - Light and cancer (human, mice, rats)
- ** P10ES-00928-01 0005 Environmental agents-Relation to human health effects - Benzpyrene exposure, sunlight and skin cancer (human)
- RO1HD-07651-02 Ovarian growth factor, control of ovarian tumors (rats)
- SKIN NEOPLASMS, KERATOACANTHOMA**
- RO1AM-12129-07 0002 Collagenases and collagen remodeling - Collagenase and its relation to neoplasia (rats)
- ** RO1CA-12122-02 Vitamin A acid localization in the keratoacanthoma (rabbits)
- SKIN NEOPLASMS, PAPILOMA CUTANEOUS**
- SEE ALSO SKIN NEOPLASMS, VIRUS WARTS
- SEE ALSO VIRUSES, PAPOVAVIRUSES, PAPILOMA VIRUSES (GENERAL)
- ** PO1CA-10893-06 0015 Cancer Research Center - Study of human papilloma
- PO1CA-11428-04 Epidemiology of cancer (human)
- ** PO1CA-12376-03 0007 Environmental carcinogenesis - Papillomas of the bladder (human)
- SKIN NEOPLASMS, PAPILOMA SHOPE**
- SEE ALSO VIRUSES, PAPOVAVIRUSES, PAPILOMA VIRUS RABBIT
- ** RO1CA-12686-02 Differentiation during progression to malignancy (rabbits)
- ** RO1CA-13075-03 Hypercalcemic factor of VX-2 carcinoma (rabbits)
- RO1CA-15677-01 Enzymatic and immunologic studies of invasive tumors (human, mammals nonhuman)
- PO1CA-16247-01 0012 Immunologic aspects of cancer - Specific immunotherapy (rabbits, human)
- SKIN NEOPLASMS, VIRUS WARTS**
- SEE ALSO VIRUSES, PAPOVAVIRUSES, WARTS VIRUSES
- ** RO1CA-15955-01 Papilloma virus-associated human tissue antigens (and guinea pigs)
- ** RO1IM-21294-03 Hypnosis, suggestion and psychocutaneous effects
- SKIN NEOPLASMS, VIRUS WARTS, CONDYLOMA ACUMINATUM**
- NO1CP-33257-03 Viral etiology of human malignancies (monkeys)
- SKIN PHARMACOLOGY**
- SEE ALSO SKIN DISORDERS CHEMOTHERAPY
- ** RO1AM-14887-07 0004 Pathophysiology and chemotherapy in psoriasis and cancer - Mechanism of drug action in skin
- ** RO1GM-21535-01 Dermatopharmacologic studies in psoriasis
- MO1RR-00063-12 0066 General clinical research center - Psoriasis or neurodermatitis
- SKIN PIGMENTATION**
- SEE PIGMENTATION
- SKIN SECRETIONS, SEBUM**
- RO1AM-07084-13 Hormonal control of sebaceous gland function (human)
- RO1AM-15379-03 Lipases of sebaceous follicles relation to acne (human)
- RO1AM-16441-08 Intermediate metabolism in epidermal differentiation
- RO1AM-17425-01 Acne-isolated sebaceous follicles (human)
- NO1HD-42864-00 Steroid hormones on sebaceous gland secretion and on development of acne
- ** MO1RR-00059-13 0067 General clinical research center - Excretion of animal and plant sterols from skin of man
- SKIN SECRETIONS, SWEAT**
- R22AM-12095-06 Effect of heat and hard work on nitrogen requirement (human)
- ** RO1AM-12934-05 Physiology of the secretion of sweat (human, cats, rats, primates)
- ** RO1AM-13428-06 Carrier detection and selection in cystic fibrosis (human, shrimp)
- RO1AM-15393-04 Ion-exchange calcium electrodes (human, rabbits, dogs)
- RO1AM-17083-01 Muscle water and electrolytes during dehydration (human)
- RO1AM-17524-01 0001 Role of ciliostatic factor in cystic fibrosis - Isolation of the ciliostatic factor (human)
- RO1ES-00849-02 Physiological adaptation of women to heat stress
- RO1HD-07250-02 Sweat nitrogen losses and protein intake in children
- RO1HL-09773-09 Circulatory distribution and energy metabolism (human, baboons)
- RO1OH-00308-18 Evaluation of stresses of exposure to heat in humans
- ** MO1RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
- SKIN SENSITIZING ANTIBODIES**
- SEE HYPERSENSITIVITY, SKIN SENSITIZING ANTIBODY
- SKIN TESTS, HYPERSENSITIVITY**
- SEE HYPERSENSITIVITY TESTS SKIN
- SKIN TESTS IMMUNOLOGICAL**
- SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS SKIN*
- SKIN TRANSPLANTATION**
- ** PO2AI-06320-10 0002 Transplantation immunology center - Tissue typing (human)
- ** PO2AI-06320-10 0005 Transplantation immunology center - Burn study (children)
- ** PO2AI-06320-10 0007 Transplantation immunology center - Destruction by humoral antibody of rat skin grafted to immunosuppressed mice
- ** PO2AI-06320-10 0008 Transplantation immunology center - Murine lymphoid cell transplantation in vitro
- PO2AI-06320-10 0011 Transplantation immunology center - Immunogenetic studies in mice
- RO1AI-06918-09 Transplantation immunology (rats, mice)
- RO1AI-07437-08 Immunity and tolerance to transplantation antigens (dogs, mice)
- RO1AI-07970-08 Comparative transplantation immunogenetics (mice, hagfish)
- RO1AI-08558-06 Anti-lymphocyte serum (rabbits, mice, bacteria, viruses)
- RO1AI-08897-06 Immunologic study of human HLA and mouse H-2 antigens (rabbits, rodents)
- RO1AI-09268-06 Specific suppression of cell-mediated immune responses (rats)
- RO1AI-09275-05 The lymphocyte and cellular immunity (rats, mice)
- ** RO1AI-09293-14 Surface leukocyte antigens and skin grafts (human)
- RO1AI-09588-03 Anterior chamber implants and transplantation immunology (rabbits, rats)
- RO1AI-09657-14 Antibody formation and transplantation immunology (mice)
- RO1AI-10658-02 Induction of unresponsiveness to allografts (dogs)
- RO1AI-10678-03 Immunobiology of tissue transplantation and pregnancy (rodents, rabbits)
- RO1AI-10679-03 Comparative transplantation immunogenetics (sharks, turtles)
- RO1AI-10824-03 Graft immunogenicity and its modification (mice, rats)
- ** RO1AI-10904-03 Immunological enhancement of normal tissue in the mouse
- RO1AI-11051-01 Biology of tissue and organ transplantation (mice, rats)
- RO1AI-11327-01 Isolation of a T-cell substitute from fetal sera (mice)
- RO1AI-11334-02 Pharmacologic control of hypersensitivity phenomena (human, monkeys, mice)
- ** RO1AI-11466-02 Immunobiology of allograft rejection in mouse
- RO1AI-11879-01 Polymorphism of a major histocompatibility complex (mice)
- RO1AI-12007-09 Immunologic tolerance in the marmoset
- ** RO1AM-07055-12 Tissue specificity (mice, rats)
- PO1AM-08445-10 0012 Biology of skin of man and other primates - Pigmentation and transplantation of hair follicles (macaques)
- RO1AM-10546-09 0001 Epidermal cell model from human skin - Epidermal-dermal interactions in normal and diseased skin
- PO1AM-10824-08 0004 Cellular immunity - Immunoregulatory alpha globulin in vivo (rats)
- PO1AM-10824-08 0006 Cellular immunity - Effect of immunoregulatory alpha globulin on graft vs host disease (mice)
- PO1AM-10824-08 0007 Cellular immunity - Immunoregulatory alpha globulin in induction of tolerance (mice)
- RO1AM-13969-06 Factors controlling graft-host interactions (mice)
- PO1AM-15515-03 0003 Psoriasis biology, psoriasis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
- PO1AM-15515-03 0009 Psoriasis biology, psoriasis and lesion control - Animal screening systems for tropical drugs (swine, mice)
- RO1AM-16141-03 Protective mechanisms in NZB/NZW nephritis (mice, rats)
- RO1AM-16522-10 Characterization of homograft reactions (mice, guinea pigs)
- PO1AM-16944-01 0005 Renal disease and allograft effects of Streptococci - Lymphocyte migration inhibition and DNA stimulation tests (mice, dogs, monkeys)
- RO1AM-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
- ** RO1AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- RO1AM-17317-10 Humoral antibodies accompanying homografts (human, rabbits, rats, mice)
- RO1CA-05660-14 The maternal-fetal allograft relation (mice)
- ** PO2CA-05826-13 0084 Clinical cancer research center - Transplantation immunology of skin (human, mice, tissue culture)
- RO1CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
- PO2CA-06973-12 0012 Integrated clinical cancer research program - Cell biology-Kinetics of transplanted cells (mice)
- PO1CA-08748-09 5934 Research program of Sloan-Kettering Institute - Immunosuppressive effects of cytotoxic drugs (rats)
- ** PO2CA-11198-06 0009 Cancer research center - Immunosuppression
- RO1CA-11634-05 Regulation of immunity (mice)
- RO1CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- PO1CA-12093-04 0003 Immunobiology of cancer - Immunology and attempted reconstitution of a gnotobiotic (infant)
- RO1CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
- RO1CA-12663-03 Genetics of immune response to tumor antigens (mice)
- RO1CA-12929-03 Interrelationship between malignancy and immunity (mice)
- ** RO1CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-15500-01 Immunologically induced tumors (mice)
 P01CA-15822-01 0005 Immunobiology of normal and neoplastic lymphocytes - Lymphocytes and transplantation immunology (hamsters, rats, mice)
 ** R01GM-11782-11 Genetic aspects of tissue transplantation (frogs)
 R01GM-12829-10 0006 Wound healing - Effect of vitamin A on immunosuppression by cortisone (mice)
 R01GM-18421-03 Mutagens, mutation rates, and mouse H test
 P01GM-18470-03 0005 Trauma center - Wound healing in trauma patients
 R01GM-19328-03 Burn debridement-Chemical, enzymatic, CO2 laser (human, swine, dogs, rats)
 ** R01GM-20667-01 Skin allograft facilitation by prior tissue culture (mice, human)
 R01HD-00534-14 Immunology and aging (mice)
 R01HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
 ** R01HD-03484-08 0001 Developmental studies on the turtle - Embryonic limb bud and skin transplantation
 R01HD-07901-06 Comparative and developmental immunology (amphibians, mice)
 R01HD-07935-01 Mammalian lymphogenesis and immunogenesis (lambs)
 R01HL-01623-23 Antigens related to graft rejection (rabbits, rats)
 ** R01HL-06943-12 Vascular permeability (rodents)
 ** P01HL-08203-12 0033 Renal homotransplantation in man - Immunologic studies (human, animals)
 R01HL-12850-05 Heart transplantation and antilymphocytic serum treatment (rodents, ungulate)
 ** M01RR-00070-12 0078 General clinical research center - Homologous transplantation in vitro cultured human skin
 M01RR-00322-08 0001 General clinical research center - Evaluation of laminar air flow in treatment of thermal injury (human)
 P06RR-00627-04 Immunobiology of the laboratory rabbit

SKIN ULCERS

- ** R01AI-10689-03 0004 Resistance to infections in the neonate - PMN abnormality in pyoderma gangrenosum (human)
 R01AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
 ** P01HL-08899-10 0029 Oxygenation and oxygen effects in man - Isobaric gas counter diffusion phenomena (human, pigs)
 ** P18HL-15165-03 0010 Comprehensive sickle cell disease center - Comparative study of therapy of leg ulcers in sickle cell anemia (human)
 ** P18HL-15169-03 0006 Comprehensive sickle cell disease center - Effect of high oxygen concentration upon healing of chronic leg ulcers (human)
 ** M01RR-00056-13 0034 General Clinical Research Center - Comparative study of therapy of leg ulcer in sickle cell anemia (human)

SKIN ULCERS, DECUBITUS ULCER

- ** R02NIJ-00444-02 Nursing care in prevention of bed sores

SKULL

SEE SKELETAL SYSTEM, SKULL

SKULL ABNORMALITIES

SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

SKUNKS

SEE MAMMALS, CARNIVORES, SKUNKS*

SLAFRAMINE

SEE BENZOPYRROLES, INDOLIZINES, SLAFRAMINE

SLEEP

SEE PSYCHIC ACTIVITY LEVEL, SLEEP

SLEEP DEPRIVATION

SEE PSYCHIC ACTIVITY LEVEL, SLEEP DEPRIVATION

SLEEP DISORDERS

SEE NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS

SLEEP EPILEPSY

SEE NEUROLOGIC MANIFESTATION, SLEEP DISORDERS, MARCOLEPSY

SLEEP REGULATORY AREAS

SEE BRAIN, SLEEP REGULATORY AREAS

SLEEP WALKING

SEE NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS

SLIME MOLDS

SEE FUNGI, SLIME MOLDS*

SLOW POTENTIALS

SEE ELECTROPOTENTIALS, SLOW POTENTIALS

SLOW REACTING SUBSTANCES

- R01AI-03260-15 Biochemical basis of phagocytosis (children, fungi, rodents)
 R01AI-07722-08 In vitro studies of the mechanism of anaphylaxis (rats, guinea pigs, human)
 P15AI-10356-04 Immunologic release of chemical mediators in man (and mammals nonhuman)
 ** R01AI-04646-13 Antibody response to defined antigenic determinants (human, rodents, rabbits)
 ** R01AI-05669-11 Complex molecular synthesis (cockroach, plants)
 R22AI-08209-07 Cellular responses to cholera toxin (rats, bacteria, protozoa)
 P15AI-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
 P15AI-10400-04 Clinical and biochemical correlations in asthma (children)
 P15AI-10405-04 Asthma clinical center (human, rats, rabbits)
 R22AI-11416-02 Cholera toxin and adrenal cells in tissue culture
 P15AI-12029-01 0002 Allergic diseases center grant-Mechanisms in asthma - Comparison of bronchial sensitivity to mediators (human, rodents)
 P15AI-12029-01 0003 Allergic diseases center grant-Mechanisms in asthma - Sputum studies (human, rats)
 R01AI-12148-01 Platelet function in asthma (human)
 ** R01AI-12221-01 Mechanisms of toxicity of bacterial endotoxin (sheep, mice)
 P01AI-12225-01 0004 Immunopathology and clinical immunology - Regulation of enzyme release from human leukocytes
 P01AI-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogeneous tissues (rabbits, rats)
 R01AI-12469-01 Response of human leukocytes to *Neisseria gonorrhoeae*
 P01AM-01431-18 0005 Rheumatic diseases - Cellular immunology (rats)
 P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
 R01AM-02911-15 Metabolic aspects of obesity (mice)
 R01AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
 P01AM-03564-15 0029 Mesenchymal tissues and their diseases - Mechanisms of enzyme action
 ** R01AM-04874-13 Chemical-microbiological syntheses of hormones
 ** R01AM-04942-14 Effect of dietary fat on glyceride structure (rats)
 ** R01AM-05475-13 Action of hormones and cyclic nucleotides (rats)
 R01AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)
 R01AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
 ** R01AM-09688-10 Biochemical studies on steroids and prostaglandins (cattle)
 R01AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
 R01AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)
 ** R01AM-11499-08 Synthesis of prostaglandins and prostaglandin analogs
 R01AM-11913-07 Chemical and immunological studies on elastin (chickens, swine, WI-38)
 R01AM-12921-06 Upper gastrointestinal studies in normal diabetic dogs
 R01AM-13211-06 Kidney control of erythropoietin production (human, animals)
 R01AM-13601-03 Na-K-ATPase and renal tubular transport of sodium (rats, dogs)
 R01AM-13774-05 Glucose-insulin interactions with cell membranes (rats)
 R01AM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)
 R01AM-13904-05 Control of cyclic AMP levels (rodents, protozoa, fungi, human)
 ** R01AM-14941-02 Biochemical basis of prostaglandin action in the skin (human, rats)
 ** R01AM-15150-03 Hydroxy fatty acid metabolism and function (coelenterates, chickens, rats, yeast)
 R01AM-15350-03 Mechanisms of intestinal secretion (rats, rabbits, guinea pigs)
 R01AM-15534-02 Prostaglandin and calcium interactions on sodium transport (anurans)
 R01AM-15740-03 Cell division control in normal and psoriatic skin
 R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons (dogs))
 R01AM-16097-02 Propinogenic potential of polyunsaturated fat (human, rats)
 R01AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
 ** R01AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
 R01AM-16793-01 Regulation of metabolism
 R01AM-16926-02 Parathyroid hormone and 3',5'-AMP in calcium metabolism
 ** P17AM-17026-01 0039 Vanderbilt University Diabetes-Endocrinology Center - Role of prostaglandins on insulin release and production (rats)
 ** P17AM-17026-01 0045 Vanderbilt University Diabetes-Endocrinology Center - Prostaglandin synthesis in diabetes (human)

SLOW REACTING SUBSTANCES,**PROSTAGLANDINS**

- P17AM-17026-01 0046 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of glucose entry into cells
 R01AM-17030-01 Cholesterol esterase regulation of steroidogenesis (rats, cattle)
 P17AM-17046-01 0001 Diabetes endocrinology center - Core facilities
 R01AM-17223-01 Role of Golgi apparatus in kidney cells (rats)
 R01AM-17309-01 Biological effects of lysosomal enzyme release (human)
 P01AM-17387-01 0001 Physiology and pathophysiology of kidney function - Control of renin release (dogs, rats)
 R01AM-17561-02 Circulating inhibitor of LATS (human, rabbits, mice, dogs)
 R01AM-17789-01 Pancreatitis and its treatment (swine, dogs)
 R01CA-10064-12 Hormonally sensitive tumors (mice, rats)
 P01CA-12708-03 0001 Studies of normal and malignant growth - Phosphorylation of human erythrocyte membrane proteins
 R01CA-13861-02 Chemical mediators of tumor cell ascites fluid (mice, human)
 ** P01CA-14089-01 0024 Pilot multidisciplinary cancer research program - New prostaglandin analogs
 R01CA-14152-03 New synthetic methods, routes to biologically active compounds
 R01CA-14180-02 New aspects of neoplastic tissue lipid analysis (mammals)
 ** P02CA-15145-01 0002 Cancer center support grant - Prostaglandin and LH action in corpus luteum
 ** N01CB-33918-01 Role of prostaglandins in mammary gland neoplasia (human)
 ** N01CB-33919-02 Role of prostaglandins in mammary gland neoplasia (mice)
 ** N01CB-33920-02 Determine role of prostaglandins in normal and abnormal mammary glands (mice)
 P01DE-02849-06 0004 Mechanism and treatment of periodontal disease - Bone resorption from fibrosarcoma (mice)
 ** P01DE-02849-06 0027 Mechanism and treatment of periodontal disease - Studies of gingival factors which stimulates bone resorption (human)
 ** P01DE-02849-06 0028 Mechanism and treatment of periodontal disease - Effect of prostaglandin on bone remodeling in tissue culture
 P01DE-02849-06 0029 Mechanism and treatment of periodontal disease - Production of bone-resorbing substances by cultured gingival fragments and cells
 ** R01DE-03556-03 Prostaglandins and periodontal disease
 R01DE-03766-02 Lysosomal enzymes and etiology of periodontitis
 P10ES-00159-09 0015 Center for study of the human environment - Salicylic acid (rats)
 P01ES-00354-07 0002 Human responses to thermal environment - Regulation of circulation, respiration and body temperature (human, rabbits)
 P01ES-00354-07 0003 Human responses to thermal environment - Physiological and behavioral temperature regulation (monkeys)
 R01EY-00004-20 Aqueous humor (human, rabbits)
 R01EY-00056-05 Pathogenesis of altered ocular vascular permeability (rabbits)
 ** R01EY-00091-08 Neuromuscular effects of anesthetic agents (cats)
 R01EY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
 R01EY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
 R01EY-00333-08 Ocular fluid composition and ocular tissue physiology (animals)
 R01EY-00343-09 Retinal metabolism (rats, cattle, cats, frogs, human)
 ** P01EY-00396-07 0014 Basic ophthalmic research program - Biotransport of prostaglandins (animals)
 ** P01EY-00396-07 0017 Basic ophthalmic research program - Ocular effects of prostaglandins and prostaglandin antagonists (human)
 R01EY-00402-07 Control of tissue-sensitivity to autonomic agents (rats, hamsters)
 ** R01EY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
 ** R01EY-00457-06 Ocular effects of prostaglandins (rats)
 R01EY-00506-06 Ion movement and distribution in the crystalline lens (rabbits, frogs)
 ** R01EY-00863-03 Neurohumoral control of intraocular pressure (rabbits)
 R01EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
 R01EY-00945-03 Biochemical regulation in ocular tissues (rabbits)
 R01EY-01352-01 Adrenergic physiology of the eye (rabbits, monkeys)
 R01GM-05147-17 Synthesis of natural products
 R01GM-05919-16 0012 Enzymatic activities of mitochondria - Regulation of calcium release from mitochondria (crabs)
 R01GM-06840-16 Marine chemistry and research on terpenoids (marine animals)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- P11GM-12675-10 0056 Biochemical toxicology and pharmacology 2 Effects of drugs on hypothalamic control of gonadotropin release
- RO1GM-13598-09 Steroids, prostaglandins-synthetic designs
- ** P01GM-13901-08 0004 Analytical biochemistry for human studies - Mass spectrometry of prostaglandins (human)
- ** P11GM-15431-08 0005 Research center for clinical pharmacology and drug toxicology - Evaluation of arachidonic acid and other prostaglandin precursors as drugs (dogs)
- ** P11GM-15431-08 0006 Research center for clinical pharmacology and drug toxicology - Incorporation of prostaglandin precursors into rat tissue lipids
- ** P11GM-15431-08 0007 Research center for clinical pharmacology and drug toxicology - Ethyl arachidonate in animals (dogs)
- ** P11GM-15431-08 0008 Research center for clinical pharmacology and drug toxicology - Ethyl arachidonate in man
- ** P11GM-15431-08 0009 Research center for clinical pharmacology and drug toxicology - Conversion of ethyl arachidonate to prostaglandins in man
- ** P11GM-15431-08 0045 Research center for clinical pharmacology and drug toxicology - Prostaglandins and renal function (dogs)
- ** P11GM-15431-08 0046 Research center for clinical pharmacology and drug toxicology - Prostaglandins production in the kidney and egress to urine (dogs, human)
- ** P11GM-15431-08 0047 Research center for clinical pharmacology and drug toxicology - Prostaglandin metabolites in urine reflecting renal synthesis (human, rabbits)
- ** P11GM-15431-08 0048 Research center for clinical pharmacology and drug toxicology - Angiotensin II and prostaglandin synthesis in rat renal papilla
- ** P11GM-15431-08 0049 Research center for clinical pharmacology and drug toxicology - Measurement of the major metabolites of PGE2 and PGE1 (human)
- ** P11GM-15431-08 0050 Research center for clinical pharmacology and drug toxicology - Assay for the major circulating metabolite of PGE2
- P11GM-15477-08 0091 Drug metabolism and biochemical pharmacology - High-speed liquid chromatography in drug metabolism studies (human)
- P01GM-16496-06 0028 Clinical pharmacology-Pharmacokinetics - Physical interaction of agonists with leukocyte receptors
- P01GM-16593-06 0014 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Hepatic pharmacodynamics of biliary contrast materials (dogs)
- RO1GM-17267-03 Intramolecular cyclization of N-alkylpyridinium salts
- P01GM-17366-04 0002 Biochemical and physiologic response to trauma - Cellular biochemical response to shock and trauma (human, mammals)
- P01GM-18470-03 0018 Trauma center - Assay for 15-hydroxy prostaglandin hydrogenase (human)
- P01GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)
- P01GM-18674-03 0006 Diagnostic radiology research and training center - Mediators of renal vasoconstriction (chicks, rat, human)
- RO1GM-19058-03 Antibodies in drug analysis and medicinal chemistry (sheep, rabbits)
- RO1GM-20091-01 Cardiac dysfunctions caused by histamine release (guinea pigs, monkeys, rabbits)
- ** RO1GM-21235-01 Pharmacologic studies of circulatory shock (cats)
- ** RO1GM-21249-01 Prostaglandin endoperoxidase
- ** RO1GM-21429-01 Renal pharmacology of dopamine and prostaglandins (dogs)
- ** RO1GM-21727-01 Renal pharmacology of dopamine and prostaglandins (dogs)
- ** RO1GM-21746-01 Prostaglandin synthesis
- PO1HD-02080-09 Cell biology of developmental anomalies (human, mammals nonhuman)
- RO1HD-03003-14 Physiology of the female tract (ferret, rodents, rabbits)
- RO1HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)
- RO1HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)
- RO1HD-03472-12 Physiology of mammalian fertilization (rodents, rabbits)
- RO1HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- RO1HD-05151-04 Neural control of gonadotropin secretion (sheep, rats, monkeys, human)
- RO1HD-05641-12 Metabolism of the testis in vitamin E deficiency (rats)
- PO1HD-05671-03 0013 Center for population research - Radioimmunoassay of steroid hormones (rodents, primates)
- ** RO1HD-05791-03 Analysis of sub-microgram amounts of prostaglandins (humans, primates)
- RO1HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
- ** RO1HD-05866-03 Effect of prostaglandins on ovarian function (human)
- RO1HD-05948-01 Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human)
- ** PO1HD-05969-03 0008 Events that control fertilization - Effects of prostaglandins on systemic and regional blood flow (rabbits, monkeys)
- RO1HD-05979-03 Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits)
- ** RO1HD-06069-03 Effects of prostaglandins on myometrial metabolism (Rhesus monkeys)
- RO1HD-06159-03 Regulation of regional blood flow in lebor (primates, subhuman)
- RO1HD-06234-03 Physiology and biochemistry of the blastocyst (mice, rats, rabbits)
- PO1HD-06273-03 0002 Cyclic nucleotides in uterine and sperm functions - Isolation of oxytocin receptor from uterus (human)
- PO1HD-06276-03 0037 Mental retardation research program - Abnormalities in sterol ester metabolism in brain diseases (human, monkeys)
- PO1HD-06276-03 0075 Mental retardation research program - Lipid neurochemistry
- ** RO1HD-06380-03 Biogenic amines in ovulation and implantation (rats)
- RO1HD-06419-03 Hormonal control of lactogenesis (rats)
- RO1HD-06425-03 Subcellular metabolism in fetal and adult Rhesus muscle
- RO1HD-06467-03 Role of feto-placental unit in maintenance of pregnancy (rats, monkeys)
- ** RO1HD-06513-03 Prostaglandin and LH action in corpus luteum (rats, rabbits, swine)
- PO1HD-06645-03 0002 Center for population research - Corpus luteum function
- PO1HD-06645-03 0010 Center for population research - Control of the estrus cycle (guinea pigs)
- PO1HD-06645-03 0028 Center for population research - Uterus physiology, smooth muscle of male and female reproductive tract
- PO1HD-06645-03 0036 Center for population research - Preimplantation embryo (mice)
- RO1HD-06698-01 Biochemical studies of in vitro sperm capacitation (hamsters)
- ** RO1HD-06948-02 Endocrine correlates with prostaglandin F2A (cattle)
- RO1HD-06963-09 Properties of smooth muscle (rats)
- ** RO1HD-07045-02 Prostaglandin metabolism in human placenta
- ** PO1HD-07110-02 0003 Biomedical center for population research - Structure-function relationships of prostaglandins and analogs
- PO1HD-07110-02 0013 Biomedical center for population research - Hormone protein interaction (human)
- PO1HD-07173-02 0003 Structure and function of aging human fibroblasts - Adenyl cyclase system and hormone receptors (M 38)
- RO1HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
- RO1HD-07693-01 Hormonal interactions in uterus (cattle)
- RO1HD-07799-01 Effect of age on adipose tissue lipolysis (goats)
- ** RO1HD-07966-01 Physiological role of prostaglandins
- ** RO1HD-08129-01 Endocrine function of transplanted uterus and ovary (sheep)
- ** RO1HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- RO1HD-08466-01 Mechanism of luteinization in vitro and in vivo (monkeys, swine)
- RO1HD-08926-01 Pituitary hormones in hypopituitarism (human, rats)
- ** RO1HD-08949-01 Prostaglandin-protein interactions and human reproduction
- ** NO1HD-42801-00 Synthesis of prostaglandin analogs for biological studies
- ** NO1HD-42832-00 Synthesize prostaglandin synthetase inhibitors with antifertility activity
- ** NO1HD-42839-00 Synthesis of luteolytic prostanoids
- NO1HD-92209-06 Isolation of a bovine uterine luteolytic factor
- ** NO1HD-92215-06 Relationship of endometrial prostaglandins and luteal functions (sheep, monkeys)
- RO1HL-01270-22 Salt and water retention of heart failure (human, rabbits)
- RO1HL-02008-20 Pathogenesis of arterial hypertension (rats, rabbits)
- RO1HL-02262-19 Mechanisms regulating plasma proteins and solutes (human, calves)
- RO1HL-02904-18 Determination of natural clotting factors (human)
- RO1HL-03941-15 Uterine blood flow and changes in pregnancy (sheep)
- PO1HL-05435-14 0004 Cardiovascular research and training program - Analytical biochemistry (human)
- PO1HL-06664-13 0032 Cardiopulmonary function in remediable vascular disease - Hormonal control of salt and water in cardiovascular disease (toads)
- PO1HL-07299-13 0074 Hypertension, shock and circulatory failure - Renal function during circulatory insufficiency (human, dogs)
- RO1HL-07564-13 Experimental shock (rats)
- RO1HL-07835-13 Renal circulation and experimental hypertension (rats, rabbits)
- PO1HL-08203-12 0027 Renal homotransplantation in man - Endocrine studies (human, chickens)
- PO1HL-08214-11 0013 Chemical and biological properties of lipids - Biosynthesis of triglycerides (rats)
- PO1HL-08214-11 0017 Chemical and biological properties of lipids - Methods for the preparation of highly purified lipids
- ** RO1HL-08570-11 Pharmacologic and reflex influence on vascular tone (dogs, cats, rats)
- RO1HL-08659-11 Myocardial performance and metabolism in the newborn (sheep)
- PO1HL-08682-11 0014 Regulation of the cardiovascular system - Cardiovascular mechanisms involved in renal hypertension (dogs)
- RO1HL-09921-09 0021 Mechanisms of congestive heart failure - Isolation and identification of a head factor (dogs, rats)
- RO1HL-10879-08 Role of chemicals in local blood flow regulation (dogs)
- PO1HL-11414-07 0002 Thrombosis and atherosclerosis program - Metabolism of lipids by human platelets
- ** PO1HL-11414-07 0004 Thrombosis and atherosclerosis program - Platelet function and atherothrombotic surfaces (human)
- ** RO1HL-11668-07 0008 Cineangiographic studies of the cardiovascular system - Renovascular response to vasoconstrictors and vasodilators in oliguric dog
- RO1HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
- RO1HL-11880-06 Total body irradiation and transplantation (human)
- RO1HL-11897-07 Pathogenesis of coronary atherosclerosis (human)
- ** RO1HL-12342-06 Prostaglandins in vascular homeostasis (dogs, rats)
- ** RO1HL-12677-06 Surgical and physiologic studies of isolated kidneys (dogs)
- RO1HL-12827-05 Regulation of sodium excretion (dogs, rats)
- RO1HL-12964-11 Neurogenic regulation of vascular resistance (dogs, rats)
- RO1HL-13193-05 Pathophysiology of post-traumatic and shock states (dogs, rats)
- RO1HL-13476-04 Plasma aldosterone in normal and hypertensive man
- RO1HL-13595-04 Renin and vascular hyper-reactivity in hypertension (human)
- ** RO1HL-13624-04 Regulation of renal circulation and salt excretion (human, dogs, rats)
- RO1HL-13629-05 Hemorrhagic diseases (human, rats, dogs)
- ** RO1HL-13653-04 Physiology of renin, aldosterone and prostaglandin (rabbits)
- RO1HL-13715-04 Myocardial adenyl cyclase (human, rabbits)
- PO1HL-13737-04 0031 Assisted circulation - Myocardial ischemia-Biochemical changes (dogs, rats)
- RO1HL-13762-04 Steroids and sodium balance in essential hypertension (human, rabbits)
- ** RO1HL-13821-04 Angiotensin, prostaglandins, pressure and the kidney (rats)
- RO1HL-13936-03 Microvascular responses in hypertension (rats)
- P17HL-14141-04 0003 SCOR for atherosclerosis in childhood - Detection of abnormalities in lipid metabolism (human, rabbits, rats)
- P17HL-14142-04 0006 Coagulation and colts in thrombosis and hemostasis - Ultramicroscopy of cell and vessel membrane activity (human, monkeys, dogs)
- P17HL-14159-04 0004 Specialized center of research in hypertension - Mechanisms of experimental hypertension (monkeys, rats, dogs)
- P17HL-14179-04 0008 Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
- P17HL-14179-04 0014 Center for the study of lung disease - Macrophages and phagocytosis-Drugs mediated by cyclic AMP
- ** P17HL-14187-04 0012 Center for lung research - Lung in relation to vasoactive substances (dogs, cats, swine)
- P17HL-14217-04 0044 Specialized center of research in thrombosis - Platelet coagulation activities
- P17HL-14242-04 0001 Specialized center of research in hypertension - Clinical study of malignant hypertension
- P17HL-14242-04 0004 Specialized center of research in hypertension - Renomedullary antihypertensive function and renomedullary lipid (rats, rabbits)
- ** PO1HL-14388-03 0009 Regulation of the circulation in pathological states - Prostaglandins, adrenergic transmission, arterial pressure regulation (dogs)
- RO1HL-14397-03 Hypertension- Angiotensin (dogs, rats, guinea pigs, monkeys, rabbits)
- RO1HL-14456-02 Lung metabolism-Enzymes in the pulmonary circulation (rats, dogs)
- RO1HL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
- RO1HL-14595-03 Primary disorders of platelet function (human, rats)
- RO1HL-14649-03 Metabolic aspects of endotoxin shock (guinea pigs, dogs, rats)

(contd)

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- ** R01HL-14890-03 Platelet prostaglandins (human)
R01HL-15002-03 Biochemical pharmacology of guanylyl cyclase in lung (cattle)
P18HL-15157-03 0017 Comprehensive sickle cell disease center - Carbamylation of sickle cell hemoglobin by carbamyl phosphate (human)
R01HL-15228-02 Factors influencing sickling phenomenon (human, rats)
** R01HL-15378-02 Ultrastructure of antihypertensive prostaglandins (rats)
** R01HL-15447-02 Vascular role of prostaglandin and cyclic nucleotides (rats)
R01HL-15580-02 Humoral control of pulmonary and systemic circulation (dogs)
** R01HL-15677-04 Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit)
** R01HL-15737-02 The nature and treatment of endotoxic shock (sheep)
P01HL-15832-02 0007 Humoral predispositions to lung injury - Inactivation of vasoactive agents by the lung (human, rat, cat, dog, guinea pig)
** R01HL-15947-01 Prostaglandins and hypertension (human, rats, dogs, monkeys)
R01HL-16179-01 Action of vascular and other smooth muscle inhibitors
** R01HL-16190-01 Effects of prostaglandins on human erythrocytes
R01HL-16244-01 Role of the central nervous system in septic shock (dogs)
R01HL-16264-01 Role of inflammatory hormones in chronic lung disease
R01HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)
R01HL-16364-01 0002 Regulation of lipid biosynthesis and transport - Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis
R01HL-16389-01 Development of prosthetic heart valves for children (monkeys, dogs)
** R01HL-16489-01 Renal prostaglandins-Synthesis and function (human, dogs, rats)
** R01HL-16496-01 Prostaglandins and renin experimental hypertension (rabbits)
** R01HL-16524-01 Selective inhibitors of prostaglandin biosynthesis (dogs)
** R01HL-16560-01 Uterine prostaglandins and circulatory regulation (dogs)
R01HL-16850-01 Removal and mobilization of lipids (dogs, baboons)
R01HL-16951-01 Effect of temperature and pressure on blood platelets (dogs, rabbits)
** R23HL-17112-01 Lung and prostaglandins-Metabolism and vasomotion (cats)
** R23HL-17175-01 Prostaglandins and shock lung (dogs)
R23HL-17200-01 Control of hypoxic pulmonary vasoconstriction (dogs)
** R01MH-14110-07 0012 Neural modulation and transmission - Prostaglandin PGE1 (rabbits)
R01MH-15413-06 0001 Psychopharmacology of biogenic amines in depression - Tricyclic antidepressants (rats)
P01MH-16674-06 0007 A program of psychiatry-oriented biological research - Characteristics of release of dopamine from micones of rat corpus striatum
R01MH-17489-05 Psychopharmacologic activity-Quantum chemical study (rats)
R01NS-04655-12 Single unit activity and thermoregulation (rabbits)
R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
** P01NS-06826-06 Univ Tennessee cerebrovascular research center (human, dogs, cats, monkeys)
R01NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
** R01NS-10108-03 Brain phosphoinositides-Relevance to prostaglandins (human)
R01NS-10193-03 Role of cyclic AMP and cyclic GMP in neurons and glia (tissue culture)
R01NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
R01NS-10260-02 Role of cholinergic agents in adrenergic transmission (animals)
R01NS-11061-01 Regulation of adrenergic metabolism (rats)
P01NS-11066-01 0003 Fundamental studies in spinal cord injury - Pharmacological studies in spinal cord injury (cats, monkeys)
R01NS-11299-01 Studies of nerve development (chick embryo)
** R01NS-11441-01 Neural basis of epileptiform activity (rats, rabbits)
** R01NS-11487-01 Temperature regulation-Action of prostaglandin E1 (rabbits)
R01NS-11552-01 Metabolic aspects of synaptic transmission (mice, rats)
P01NS-11647-01 0005 Peripheral and central auditory mechanisms - Pharmacological and surgical intervention in the cochlea (cats, guinea pigs)
** M01RR-00036-14 0132 General clinical research center - Secretion of prostaglandin by tumors (human)
** M01RR-00036-14 0138 General clinical research center - Effect of prostaglandin E1 on human prolactin levels (human)
M01RR-00040-14 0088 General clinical research center - Renal effects of prostaglandin inhibition by indomethacin (human)
** M01RR-00043-14 0081 General clinical research center - Metabolism of prostaglandin by human red blood cells
** M01RR-00043-14 0082 General clinical research center - Progress of PGE1 dynamics and production rates (human)
** M01RR-00043-14 0085 General clinical research center - Evaluation of prostaglandin A-1 as an antihypertensive (human)
** M01RR-00046-14 0029 General clinical research center - Prostaglandins for abortifacient activity in early human pregnancy
M01RR-00052-13 0030 General clinical research center for children - Endocrinology-Growth hormone
** M01RR-00053-13 0016 Clinical research center - Prostaglandins and estrogens (human)
** M01RR-00054-13 0065 General clinical research center - Luteolytic action of prostaglandin (human)
** M01RR-00060-13 0064 General clinical research center - Effects of prostaglandin A1 in hypertensive crises (human)
M01RR-00068-12 0053 General clinical research center - Nutrition in patient with bowel scleroderma
M01RR-00071-11 0048 General clinical research center - Relation of renin to vascular reactivity in hypertension (human)
M01RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)
M01RR-00095-14 0022 General clinical research center - Antihypertensive therapy on secondary aldosteronism in hypertension (human)
** M01RR-00095-14 0043 General clinical research center - Prostaglandin synthesis in man
M01RR-00095-14 0067 General clinical research center - Vasoactive substances in carcinoid syndrome (human)
** M01RR-00096-14 0056 Clinical research center - Effects of prostaglandins on thyroid function (human)
** M01RR-00125-11 0190 General clinical research center - adult-child - Role of prostaglandins in tosemia of pregnancy
** M01RR-00125-11 0191 General clinical research center - adult-child - Role of adrenergic and renin-angiotensin systems in release of prostaglandins
** M01RR-00134-10 0059 General clinical research center - Effect of various drugs on esophageal motility (human)
M01RR-00210-10 0043 General clinical research center - Maternal-child - Comparison of dinoprost and oxytocin in labor induction
** M01RR-00229-09 0050 General clinical research center - Gastrointestinal response to cyclic AMP and prostaglandin A1
** M01RR-00261-09 0084 General clinical research center - Prostaglandin and ovarian function (human)
** P07RR-00267-09 0138 Biomedical data processing unit - Release and vascular effects of prostaglandins
** P07RR-00273-09 0013 Mass spectrometric facility for biomedical research - Prostaglandin analysis
** M01RR-00318-08 0065 General clinical research center - Response of ovary and trophoblast to PG2 in early pregnancy
** M01RR-00425-06 0034 General clinical research center - Luteolytic activity of prostaglandins F2 and thiam salt U-14, 583E (human)
** M01RR-00425-06 0079 General clinical research center - Prostaglandins for abortifacient activity in early human pregnancy
** M01RR-00749-02 0043 General clinical research center - Response of ovary and trophoblast to prostaglandin in early pregnancy (human)
SLOW REACTIONS (CHEMISTRY)
SEE CHEMICAL REACTION RATES, SLOW REACTIONS
SLOW VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW
SLUMS
SEE SOCIOENVIRONMENT, URBAN POVERTY AREAS
SMALL GROUPS
SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, SMALL GROUPS
SMALL LYMPHOCYTE DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)
SMALLPOX
SEE VIRUS DISEASES, POXVIRUS, SMALLPOX
SMEGMA
SEE REPRODUCTIVE SYSTEM SECRETIONS
SMELL
SEE SENSORY-PERCEPTUAL PROCESSES, OLFACTION
SMOG
SEE AIR POLLUTION
SMOKE INHALATION POISONING
SEE TOXICOLOGY, GAS POISONING, SMOKE INHALATION
- SMOKING**
SEE PSYCHOLOGY, HABITS, SMOKING
SMOLDERING VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW
SMOOTH MUSCLE
SEE MUSCLES, SMOOTH MUSCLE
SNAKE BITES AND VENOMS
SEE TOXICOLOGY, ANIMAL POISONS, REPTILE
SNAKES
SEE REPTILES, SNAKES
SNE
SEE NERVOUS DISORDERS, DEMYELINATION, SUBACUTE NECROTIZING ENCEPHALOMYELOPATHY
SNEEZING
SEE RESPIRATORY SYSTEM REFLEXES
SOAPS
SEE PHYSICAL PROPERTIES, SURFACTANTS, SOAPS
SOCIAL ADJUSTMENT
SEE PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
SOCIAL BEHAVIOR
SEE PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
SOCIAL BEHAVIOR, SMALL GROUPS
SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, SMALL GROUPS
SOCIAL BEHAVIOR DISORDERS
SEE PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS (GENERAL)
SOCIAL CHANGE
SEE ALSO SOCIAL GROUPS, SPECIAL INTEREST
R18AA-01806-01 Alcohol abuse prevention demonstration grant
** R25DA-00652-02 Careers in change
R01HD-03002-07 Fertility and family planning in Taiwan (human)
** P01HD-04510-06 0003 Center for research in human development - Center for community studies
R01HD-04602-05 Goals and conditions of population control (human)
R01HD-05427-03 Rural fertility decline in Northern America (US, Canada)
** R01HD-05707-02 Urban emigrants in rural social change (Zambia)
P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
P01HD-05876-03 0032 Center for population research - Demographic methodology and formal models
** R01HD-06110-03 Urbanization, life style and fertility (Italy, US)
R01HD-06279-03 Fertility extended familism and lifestyle in Cameroon
** R01HD-06281-03 Change of attitudes toward population policy issues
R01HD-06438-02 Female occupational structure-trends
R01HD-06604-02 The politics of population policy in Latin America
** R01HD-06721-03 Conditions of variation and change in fertility (Israel)
** R01HD-07005-01 Child socialization practices of Nunamiut eskimos
** R01HD-07147-01 Migration and fertility behavior and attitudes
R01HD-07268-01 Contraception, abortion and couple decision-making (Israel)
** R01HD-07881-01 Rural-urban migration and adaptation in Korea
R01HD-08112-01 Socioeconomic determinants of US post-war natality
R13HD-08173-01 ILCORK conference on population change in Korea
R01HD-08458-01 Cognitive behavior in maturity and old age
** R01HD-08515-01 Population effects on local expenditures
R01HD-08567-01 Migration, regional growth and public policy (Mexico)
R01HD-08967-01 Changing mating patterns among the Papago Indians
** R01HS-00117-08 Physicians view social changes in medicine (human)
** M01HV-42980-00 Acculturation and coronary heart disease among Japanese
** R01MH-02100-17 An analysis of the process of cultural change (Mexico)
R01MH-14806-08 Maturation reform and rural delinquency (human)
R01MH-15708-05 Leisure and mental health-Cultural and age factors
** R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
** R01MH-17495-03 Cooperative interracial contact and attitude change

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-18168-04 Socio-political aspects of internal migration (India)
- ** R01MH-18646-03 Developmental approach to community change
- ** R01MH-18958-02 Social activism and the mental health workers role
- ** R01MH-19222-02 Process and impacts of a state hospital closing
- R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
- ** R01MH-19712-03 Social change in plural society (Andean Peru)
- ** R01MH-20006-04 The dynamics of short run social change (human)
- ** R01MH-20102-04 Processes of linguistic change (Philippine)
- ** R01MH-21010-03 Strategies for change and knowledge utilization (education)
- ** R01MH-21196-03 Cultural indicators
- ** R01MH-21789-02 Definitional processes in planning social change
- R01MH-22249-02 Desegregation and prejudice
- R01MH-22683-02 Knowledge transfer in mental health services
- R01MH-22884-02 Organizational control and social change
- ** R01MH-23030-02 Structure, functions, and impact on urban communes
- R01MH-23543-01 Incarceration in 20th century America
- ** R01MH-23593-01 Changing mass publics of advanced industrial society
- ** R01MH-23676-02 Employee participation in ownership and management (Peru)
- R01MH-23770-01 White universities' response to black students' entry
- ** R01MH-23786-01 Changing urban family roles
- ** R01MH-23814-02 Tenant organizations—Mobilization and consequences
- ** R01MH-24159-01 Change agent approaches
- ** R01MH-24220-01 Social and cultural dimensions of aging
- ** R03MH-24668-01 Cross-cultural study of decision making
- R12MH-24924-01 Exploration of a social change model
- R01MH-25266-01 Personal well-being and environmental factors
- ** R03MH-25779-01 Change in a correctional facility for delinquents
- ** R03MH-25793-01 Socio-economic factors in emerging entrepreneurship
- R01MH-25834-01 Social change in the family and life course
- R01MH-25860-01 Social predictors of American mobility 1875-1915
- ** R03MH-26042-01 Replication of research on a metropolitan area (human)
- R02NU-00494-01 Post baccalaureate nursing careers, a follow-up study

SOCIAL CHANGE, MASS MOVEMENTS

- R01MH-23593-01 Changing mass publics of advanced industrial society
- ** R01MH-25860-01 Social predictors of American mobility 1875-1915

SOCIAL CLASS

SEE SOCIOECONOMICS, SOCIAL CLASS

SOCIAL CONFORMITY

SEE PSYCHOLOGY SOCIAL, SOCIAL CONFORMITY

SOCIAL CONSCIOUSNESS

SEE PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION

SOCIAL CONTROL

SEE ALSO DRUG LEGISLATION

SEE ALSO ENVIRONMENTAL HEALTH LEGISLATION

SEE ALSO HEALTH SOCIAL CONTROL

SEE ALSO OCCUPATIONS, LABOR UNIONS

SEE ALSO PSYCHOLOGY, SUPPRESSION

SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL CONFORMITY

SEE ALSO SOCIAL SERVICES, LEGAL AID

- R18AA-00102-02 Ojigala Sioux tribe alcoholism
- R18AA-00108-02 Fort Peck alcoholism program
- R18AA-00168-03 Services for problem drinking drivers
- R18AA-00174-03 Services for problem drinking drivers
- R18AA-00175-03 Services for problem drinking drivers
- R18AA-00176-03 Services for problem drinking drivers
- R01AA-00275-04 Longitudinal study of changes in drinking problems (human)
- R18AA-00453-03 Services for problem drinking drivers
- R18AA-00454-03 Services for problem drinking drivers
- R18AA-00460-03 Services for problem drinking drivers
- R18AA-00454-03 Services for problem drinking drivers
- R18AA-00563-03 Mesquite program on problem drinking
- R18AA-00625-02 Three affiliated tribes alcoholism rehabilitation program
- R18AA-00889-02 Support for alcoholism control program
- R18AA-00890-02 Vermilion County community action agency
- ** R01AA-01215-01 System change in the management of public inebriates
- R18AA-01383-01 Alcohol counseling and recovery programs
- R18AA-01583-01 Alcoholism service delivery project

- R25DA-00546-03 Coordinated inter-agency drug abuse training
- R01HD-04602-05 Goals and conditions of population control (human)
- R01HD-05853-03 Pregnancy, birth control and abortion (human)
- ** P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
- R01HD-07565-01 Dynamic 'World system' models
- R01HD-07629-02 Population-policy linkages in cities and suburbs
- R01HD-08515-01 Population effects on local expenditures
- R01HD-08577-01 Cross-cultural study of treatment of the aged
- R01HD-08586-01 Population dynamics in preindustrial England
- R01MH-02100-17 An analysis of the process of cultural change (Mexico)
- P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)
- R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
- ** R01MH-17946-04 Cross vaccination of predictive sentencing models (human)
- ** R01MH-18542-04 Community-controlled sanctions in an urban poverty area
- R01MH-19706-03 Behavioral programs in learning activities for youth (human)
- R01MH-21204-02 Comparative historical study of urban public order
- ** R01MH-22884-02 Organizational control and social change
- R01MH-23538-02 Raman Navajo school social services
- ** R01MH-23543-01 Incarceration in 20th century America
- ** R01MH-23676-02 Employee participation in ownership and management (Peru)
- ** R01MH-23742-02 Release of dangerous mental patients—Dixon case
- R01MH-23775-01 Huckleberry house youth service center
- R01MH-24159-01 Change agent approaches
- ** R01MH-24216-01 The social effects of divorce and divorce law reform (California)
- ** R03MH-24574-01 Deterrent effectiveness of legal sanctions
- R01MH-24656-01 The psychology of Black Gangs—Mental illness or mental health
- ** R12MH-25020-01 Juvenile justice and mental health impact—Pilot study
- R01MH-25266-01 Personal well-being and environmental factors
- ** R03MH-25567-01 Administration of juvenile justice—Comparative analysis (Brazil, United States)
- R01MH-26141-01 Diversion—A study of alternative processing practices

SOCIAL CONTROL, CORRECTIONAL**INSTITUTIONS**

- ** R18AA-00166-03 Department of alcoholic rehabilitation
- R18AA-00455-03 Services for problem drinking drivers
- R18AA-00461-03 Services for problem drinking drivers
- R18AA-00466-03 Services for problem drinking drivers
- R18AA-00544-03 American Indian Services, Inc.
- R18AA-00582-03 Seminole Comprehensive Alcoholism Program
- R18AA-00605-03 Services for problem drinking drivers
- ** R18AA-00735-01 Utah state prison alcohol treatment program
- R18AA-01507-01 Alcohol counseling and education
- R18AA-01718-01 Court alcohol abuse program
- R18AA-01847-01 Services for problem drinking drivers
- ** R01DA-01053-01 Community variations in Chicano ex-addict adaptations
- NO1DA-20210-01 Narcotic antagonists in treating addict inmates
- ** R18HS-01501-01 Comprehensive health prison health project
- R01MH-14734-13 An evaluation of differential treatment for delinquents
- ** R01MH-20367-03 Dangerousness, due process and the criminally insane
- R01MH-20660-03 Physical distance and social interactions (human)
- ** R01MH-20696-02 Self-destruction among prison inmates
- R01MH-21035-03 Clinical prediction and treatment of episodic violence
- ** R01MH-23793-01 Rejuvenating the asylum (children)
- ** R01MH-25268-01 Minority prison community—Perceptions and practices
- ** R03MH-25779-01 Change in a correctional facility for delinquents
- ** R01MH-26098-01 Stress, crowding and blood pressure in prison

SOCIAL CONTROL, COURTS

- R18AA-00053-02 East central task force on alcoholism
- R18AA-00454-03 Services for problem drinking drivers
- ** R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
- R18AA-00527-03 New Mexico intertribal council on social problems
- R18AA-00545-03 Salt River community alcoholism program
- R18AA-00827-02 Community alcoholism services poverty program

- R18AA-00829-02 Alcoholic rehabilitation program (action)
- R18AA-01507-01 Alcohol counseling and education
- ** R18AA-01590-01 Roubry court alcoholism screening/referral program
- R18AA-01694-01 Expansion funds for court advocate and staff (American Indians)
- R18AA-01718-01 Court alcohol abuse program
- ** R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
- ** R01MH-20367-03 Dangerousness, due process and the criminally insane
- R01MH-21204-02 Comparative historical study of urban public order
- R01MH-21304-03 Philadelphia assault victim study
- ** R01MH-23516-02 Information integration in juror judgments
- R01MH-24014-02 Black families of prisoners
- R03MH-24574-01 Deterrent effectiveness of legal sanctions
- R03MH-25567-01 Administration of juvenile justice—Comparative analysis (Brazil, United States)
- R01MH-26130-01 Psychological impact of rape on the victim
- R01MH-26141-01 Diversion—A study of alternative processing practices
- ** NO1MH-30246-00 Monograph on juvenile and criminal justice system

SOCIAL CONTROL, CRIMINOLOGY

SEE ALSO CHILD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL, JUVENILE DELINQUENCY

- SEE ALSO CRIME AND DELINQUENCY REVIEW COMMITTEE
- ** R12AA-00209-07 0002 Washington University Alcoholism Research Center - Alcoholism and criminality (women)
- R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
- R01AA-00495-02 Development of a structural evaluation of drunk drivers
- ** R18AA-01606-01 Special project—Criminal justice alcoholism program
- ** R18AA-01637-01 Criminal justice-alcoholism project II
- R01DA-00831-01 Psychologic and socio-demographic profiles of addicts
- ** R01DA-00918-01 Female criminal involvement and narcotics addiction
- ** R01DA-01028-01 Relationship between drug addiction and crime
- P01DA-01097-01 0001 Center for socio-cultural research on drug use - Ethnic/class influence on drug use
- ** NO1DA-30200-00 Feasibility of study of effect of drug law violations
- P01GM-19443-03 0034 Problems in clinical genetics - The XYY syndrome (Copenhagen, Denmark)
- R01HD-08031-01 Density and pathology in urban areas
- ** R01MH-18075-05 A comprehensive study of 47, XYY male offenders (human)
- R01MH-18864-04 Epidemiology of achievement and psychiatric status
- R01MH-18962-03 Prediction of suicide in psychiatric patients (human)
- ** R01MH-19225-04 Perinatal brain damage and later antisocial behavior (human)
- ** R01MH-21204-02 Comparative historical study of urban public order
- ** R01MH-21303-02 Assessment of adequacy of treatment (human)
- R01MH-22350-02 Measures of delinquency and community tolerance
- R01MH-23144-02 Quantitative analysis of police encounters (human)
- R01MH-23543-01 Incarceration in 20th century America
- R03MH-25565-01 Economics of criminal behavior
- R03MH-25726-01 Effects of withheld evidence on juror decisions
- ** R03MH-25881-01 Comparative analysis of rates of violent crimes
- R01MH-26098-01 Stress, crowding and blood pressure in prison
- NO1MH-30163-00 Conference on joint treatment of drug addicts and alcoholics
- ** NO1MH-30237-00 Practical guide to planning program in crime and delinquency
- NO1MH-30246-00 Monograph on juvenile and criminal justice system
- ** NO1MH-30247-00 Monograph of female delinquency and crime
- ** NO1MH-40046-00 Monograph - 'Applications of field methods to study of crime and delinquency'
- ** NO1MH-40049-00 Mental health related human service for the criminal justice system
- ** NO1MH-40054-00 An economic perspective on crime prevention and control
- ** NO1MH-40068-00 Criminal justice and community care in mental health, alcohol and drug abuse
- NO1MH-90070-04 Provide mental health documents with emphasis on crime and delinquency
- MO1RR-00628-04 0012 General clinical research center for children - Aggressiveness and androgen production in XYY males (adults)
- SO1RR-05583-10 General research support (medical school)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

SOCIAL CONTROL, HEALTH
SEE HEALTH SOCIAL CONTROL

SOCIAL CONTROL, HUMAN RIGHTS

- R18AA-01732-01 Enhancement of occupational alcoholism project
- P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
- P18HL-15997-02 0001 A comprehensive hospital-community sickle cell center - Education
- R01MH-18958-02 Social activism and the mental health workers role
- R01MH-20367-03 Dangerousness, due process and the criminally insane
- ** R01MH-24934-01 Rights of adolescents receiving mental health services
- R13MH-25655-01 Identity crisis of the Sansei
- R13MH-25786-01 Miniconultation on the mental and physical health of black women
- ** N01MH-40031-00 Protection of noninstitutionalized human subjects
- ** N01PE-24241-02 EEO in US schools of the health professions

SOCIAL CONTROL, HUMAN RIGHTS, WOMEN'S RIGHTS

- R01MH-21929-02 Volunteerism in the lives of women
- ** R01MH-23468-01 Women's liberation-is the definition class-bound?
- R01MH-24216-01 The social effects of divorce and divorce law reform (California)

SOCIAL CONTROL PERSONNEL

- R18AA-01601-01 Lae-Harrett area alcoholism project
- R01MH-21452-03 Contingency contracting in treatment of delinquents
- R01MH-22350-02 Measures of delinquency and community tolerance
- R01MH-24216-01 The social effects of divorce and divorce law reform (California)
- R01MH-26098-01 Stress, crowding and blood pressure in prison

SOCIAL CONTROL PERSONNEL, COURTS PERSONNEL

- ** R03MH-25726-01 Effects of withheld evidence on juror decisions

SOCIAL CONTROL PERSONNEL, MILITARY PERSONNEL

- ** N01AA-40014-00 Pastoral counseling related to alcoholism in navy
- ** N01AH-24001-04 Indiana MEDIHC project
- ** N01AH-24004-03 Expand MEDIHC program in Alabama
- ** N01AH-24011-04 Expand MEDIHC program in North Carolina
- ** N01AH-24016-03 Expand MEDIHC program in Utah
- ** N01AH-24026-03 Expand MEDIHC program in Ohio
- ** N01AH-24028-04 Expand MEDIHC program in Minnesota
- ** N01AH-24029-04 Employment and further health training of veterans
- ** N01AH-24040-05 Expand MEDIHC program in Oregon
- ** N01AH-24042-03 Expand MEDIHC program in Missouri
- ** N01AH-24048-04 Expand MEDIHC program in Pennsylvania
- ** N01AH-24058-03 Expand MEDIHC program in Louisiana
- ** N01AH-24064-02 Expand MEDIHC program in Arkansas
- ** N01AH-44005-00 To expand the MEDIHC program in Illinois
- ** N01AH-44010-00 Expand the MEDIHC program in Georgia
- ** N01AH-44018-00 Expand the MEDIHC program in Rhode Island
- ** N01AH-44019-00 Expand the MEDIHC program in New Jersey
- ** N01AH-44020-00 Expand the MEDIHC program in Vermont
- ** N01AH-44021-00 Expand the MEDIHC program in state of Mississippi
- ** N01AH-44022-00 Expand the MEDIHC program in New Hampshire
- ** N01AH-44023-00 Expanded MEDIHC program in Wisconsin
- ** N01AH-44024-00 Expand the MEDIHC program in Delaware
- ** N01AH-44025-00 Expand the MEDIHC program in Virginia
- ** N01AH-44028-00 To expand MEDIHC program in Connecticut
- ** N01AH-44029-00 Expand the MEDIHC program in Idaho
- ** N01AH-44030-00 Expand the MEDIHC program in New York
- ** N01AH-44033-00 Expand the MEDIHC program in Massachusetts
- ** N01AH-44035-00 Expand the MEDIHC program in Colorado
- ** N01AH-44036-00 Expand the MEDIHC program in Arizona
- ** N01AH-44037-00 Expand the MEDIHC program in Florida
- ** N01AH-44038-00 Expand the MEDIHC program in Nebraska
- ** N01AH-44041-00 Expand the MEDIHC program in Iowa
- ** N01AH-44042-00 Expand the MEDIHC program in Kansas
- ** N01AH-44044-00 Expansion of MEDIHC program in Tennessee
- ** N01AH-44077-00 Expand MEDIHC program in Maine
- ** N01AH-44078-00 Expansion of MEDIHC in Hawaii
- ** N01AH-44080-00 Expand the MEDIHC program in state of Kentucky
- ** N01AH-44081-00 Expand MEDIHC program in Maryland
- ** N01AH-44082-00 Expand MEDIHC program in Nevada

- R07AI-10049-15 0006 International center for medical research - Viral hepatitis sequelae in Pakistani soldiers (human)
- N01CP-43213-00 Study of smoking and mortality among veterans
- N01CP-43336-00 pidemiologic studies in etiology of cancer in veterans
- R18HS-00558-04 MEDEX demonstration program
- ** R18HS-00568-02 MEDEX demonstration program-Northern New England
- R01MH-14806-08 Maturational reform and rural delinquency (human)
- R01MH-18864-04 Epidemiology of achievement and psychiatric status
- ** R02NH-00443-02 Study of US cadet nurse corps
- N01RR-40044-16 0011 - MEDICAL FOLLOW-UP STUDIES

SOCIAL CONTROL PERSONNEL, POLICE

- R18AA-00169-03 Wazee Center Skid Row Community Demonstration Program
- R18AA-01082-01 Public protection-Law enforcement
- P01DA-00250-03 0016 Research center-Studies of drug dependence and abuse - Epidemiologic studies in drug dependence
- R01HD-07629-02 Population-policy linkages in cities and suburbs
- R01MH-18646-03 Developmental approach to community change
- ** R01MH-20757-02 Research on violence prevention by police
- R01MH-21304-03 Philadelphia assault victim study
- R01MH-21415-01 Mental health and poor families communications
- ** R01MH-23144-02 Quantitative analysis of police encounters (human)
- R01MH-26130-01 Psychological impact of rape on the victim
- ** R01MH-26141-01 Diversion-A study of alternative processing practices
- N01MH-20246-00 Monograph on juvenile and criminal justice system

SOCIAL CROWDING

SEE SOCIAL SPACE, CROWDING

SOCIAL DESIRABILITY

SEE PSYCHOLOGY SOCIAL, SOCIAL DESIRABILITY

SOCIAL DISTANCE

SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL DISTANCE

SOCIAL DISTURBANCES

- ** N01MH-10098-01 Community data in detection of behavioral outbreaks
- R01MH-18168-04 Socio-political aspects of internal migration (India)
- ** N01MH-20122-00 Study violence in American factories
- ** R01MH-22915-02 Detection of behavior outbreaks with community data
- R03MH-25881-01 Comparative analysis of rates of violent crimes

SOCIAL DOMINANCE

SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL DOMINANCE

SOCIAL GROUPS

SEE ALSO HEALTH AND SCIENTIFIC ORGANIZATIONS
SEE ALSO MENTAL HEALTH ORGANIZATIONS
SEE ALSO PSYCHOLOGY SOCIAL, GROUP PROCESSES
SEE ALSO SOCIAL SELF-RELIANCE, SELF HELP ORGANIZATIONS

SEE ALSO SOCIOECONOMICS, INCOME, LOW INCOME GROUPS
SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, ANTHROPOLOGY (GENERAL)

- ** R25DA-00892-01 Immigrant social service-Youth program
- R01HD-04602-05 Goals and conditions of population control (human)
- P01HD-05876-03 0032 Center for population research - Demographic methodology and formal models
- R01HD-06367-03 Psychosocial development
- R01HD-08577-01 Cross-cultural study of treatment of the aged
- ** P01HL-09814-09 0027 Research program- Cardiovascular and related disease - Longitudinal blood pressure change in individuals, families and social groups
- ** P01HL-09814-09 0042 Research program- Cardiovascular and related disease - Blood pressure comparison between differing environments in Tecumseh and Detroit
- R01MH-11894-09 0002 Comprehensive behavioral studies - Nuclear family (Rhesus monkeys)
- R01MH-19930-03 Information, values, and urban policy formation
- P01MH-19966-03 0007 Psychiatric epidemiology research unit and two field studies - Chronic hospitalization
- R01MH-20006-04 The dynamics of short run social change (human)
- ** R01MH-23527-02 Role of similarity in social influence processes
- R01MH-24269-02 Ecological determinants of primate social behavior
- R03MH-25793-01 Socio-economic factors in emerging entrepreneurship

SOCIAL GROUPS, COMMUNES (COMMUNAL LIVING)

- ** R01MH-19589-01 Comparative study of communal living arrangements
- ** R01MH-23030-02 Structure, functions, and impact on urban communes
- R03MH-23871-01 Communal, social and cultural patterns
- ** R01MH-24874-01 Social behavior of communally reared children
- ** R01MH-25525-01 Investment of self in an urban group
- R01MH-25534-01 The ecology of upbringing (human)
- ** R02NH-00376-04 Commune health education (young adults)

SOCIAL GROUPS, ETHNIC

SEE ALSO ENVIRONMENT, ECOLOGY HUMAN
SEE ALSO GEOGRAPHICAL SITES
SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE
R01AA-00180-02 Religion, ethnicity and family response to alcoholism

- ** R01AA-00631-01 Ethnic differences in the effect of ethanol
- R18AA-00864-02 Community action council alcoholism program
- ** R01AA-01762-01 Ethnic difference in alcohol related behaviors
- N01AA-30039-00 Study on interactions of alcoholism with cancer
- N01AA-30100-00 Nationwide alcohol abuse and alcoholism campaign
- ** N01AA-40034-00 The drinking habits of teenagers in New York and Rome
- P02AM-10202-08 0003 Studies in human nutrition - Lactose malabsorption in relation to age, ethnic background and nutrition
- R01AM-16691-03 Heme and globin synthesis in infants and children (human)
- P01CA-06373-12 Epidemiologic studies of cancer (human)
- R01CA-12519-03 Identity and radioassay of prolactin in breast cancer (human)
- ** P01CA-13556-03 Core program-genetical epidemiology of cancer
- P01CA-14599-01 0031 University of Chicago Cancer Research Center - Distribution of CEA in diagnostic and immunologic studies (human, rodents)
- P01CA-15655-01 0033 Cancer center support grant - Cytogenetic screening-Hematologic disorders (human)
- P01CA-15655-01 0036 Cancer center support grant - Paraneoplastic endocrine syndromes-Screening project (human)
- ** P01CA-15655-01 0040 Cancer center support grant - Neoplastic response to 5-fluorouracil therapy (human)
- R26CA-16768-01 International bladder cancer study-Planning phase (human)
- N01CB-33208-03 Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- N01CP-43382-00 Epidemiological investigation of cancer in Utah
- R01DA-00048-04 Epidemiologic field team for drug dependence (Chicago)
- ** P01DA-01073-01 Center, theoretical social research on drug abuse
- ** P01DA-01097-01 0001 Center for socio-cultural research on drug use - Ethnic/class influence on drug use
- ** P01DA-01097-01 0012 Center for socio-cultural research on drug use - Adolescent drug behavior in selected US ethnic groups
- ** R18DA-01103-01 Ethnicity, socialization and multiple drug use
- ** P01DE-03610-08 0005 Cranio-facial growth and development - Ethnic studies
- P10ES-00002-12 0002 Occupational and environmental health - Environmental causes of congenital defect
- ** R01GM-10356-11 Immunogenetics of man (and rabbits, mice)
- P01GM-14552-08 0014 Normal and abnormal cell growth multidiscipline study - Clinical disease, biochemical defects and genetic determinants
- P01GM-15253-08 0052 Genetics in medicine-Gene action in man - Population studies of genetic counseling (Cyprus)
- P01GM-17173-05 A research program in population genetics (human)
- ** P01GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia
- ** P01GM-19489-03 0024 Study of human genetics - Linkage and gene assignment by cell hybridization
- N01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
- ** P01HD-04612-06 0025 Mental retardation research center - Development of cognitive competence in ethnic populations
- P01HD-05027-05 0009 Developmental psychology - Social comparison processes
- P01HD-05894-04 0020 Genetic childhood diseases and aging - Characterization of humoral deficiency of all immune globulins (human)
- R01HD-06279-03 Fertility extended familism and lifestyle in Cameroon
- R01HD-06669-02 Genetic and environmental bases of human cognition

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

RO1HD-06911-02 Population density and human behavior in Chicago
 PO1HD-07256-03 0005 Child health and development studies - Infant mortality (human)
 PO1HD-07256-03 0006 Child health and development studies - Usage of medical care (human)
 PO1HD-07256-03 0009 Child health and development studies - Developmental data on 5-year-old and 9-11-year old children
 RO1HD-07268-01 Contraception, abortion and couple decision-making (Israel)
 RO1HD-07806-01 Marital intensity-A clinical and cross-cultural study
 RO1HD-07817-01 Ethnic politics and population composition
 RO1HD-08276-01 The value of children in the US
 RO1HD-08454-01 Metropolitan home-work place patterns
 NO1HD-12299-10 Study cervical cytology in contraceptive users
 RO1HL-10906-09 Toxicity to and pharmacology of hydralazine (human, rats, mice)
 P16HS-00472-06 0006 Health services research center - Perinatal mortality and occupation of father
 ** P16HS-00472-06 0043 Health services research center - Data base for foreign medical graduates
 ** RO1MH-07705-11 Studies on comparative psycholinguistics
 RO1MH-10328-10 Measurement of untreated psychiatric disorder
 ** RO1MH-19029-03 Nonverbal interethnic encounters in urban settings
 ** NO1MH-20224-00 Effect of ethnocultural variations on mental health and psychopathology
 ** RO1MH-21854-02 Social antecedents of acts of interpersonal violence
 ** RO1MH-22249-02 Desegregation and prejudice
 RO1MH-22407-02 Intra-urban migration determinants-Boston 1870-1970
 RO1MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
 RO1MH-23786-01 Changing urban family roles
 ** RO1MH-23806-01 Correlates and consequences of ethnicity in the US
 ** RO3MH-24072-01 Americans in Israel-Early stages of the ethnic process
 RO1MH-24492-01 Development of semantic and visual organization
 RO1MH-24807-01 Marriage, female roles, and marital disruption
 RO1MH-24909-01 Trade-off preferences in residential environments
 RO1MH-25174-01 Multilingualism in a non-literate culture
 ** RO1MH-25244-01 Ethnicity and community in an urban metropolis
 RO1MH-25534-01 The ecology of upbringing (human)
 RO3MH-25921-01 Language use and political interaction (Turkey)
 RO3MH-26052-01 Contextual influences on individual choice behavior an
 RO1MH-26184-01 Racial and socio-economic pluralism in a new town
 NO1MH-30238-00 Epidemiology
 NO1MH-40081-00 Placement needs of state mental hospital patients
 NO1RS-22319-02 Risk factors for stroke
 ** MO1RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
 ** MO1RR-00046-14 0056 General clinical research center - Ethnic aspects of alcohol metabolism (human)
 MO1RR-00865-01 0025 General clinical research center - Childhood risk factors-Relation to atherosclerosis
SOCIAL GROUPS, ETHNIC, AFRICANS
 SEE ALSO SOCIAL GROUPS, ETHNIC; AMERICANS, BLACK AMERICANS
 SEE ALSO SOCIAL GROUPS, ETHNIC, S. AMERICANS, BLACK S. AMERICANS
 SEE ALSO SOCIAL GROUPS, ETHNIC, CARIBBEANS
 ** R26CA-15448-01 Characterization of prostatic carcinoma among blacks
 PO1GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
 PO1HD-04510-06 0003 Center for research in human development - Center for community studies
 P18H-16005-01 0006 Comprehensive sickle cell center of the University of Chicago - Undergraduate, graduate, professional education, and international cooperation
 MO1RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
SOCIAL GROUPS, ETHNIC, AFRICANS, BANTU
 RO1AM-15480-03 Tryptophan metabolism in pellagra (human)
SOCIAL GROUPS, ETHNIC, ALEUTS
 R18AA-00516-03 The Anchorage native half-way house
SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS
 R18AA-00008-01 Indian alcoholic treatment program

** R18AA-00066-02 Aroostuck Indian alcoholism prevention committee
 R18AA-00085-02 Alcoholism counseling program
 ** R18AA-00088-02 Tulalip alcoholism prevention and rehabilitation
 ** R18AA-00089-02 Indian lodge recovery home
 ** R18AA-00095-02 Navajo alcoholism rehabilitation and education program
 ** R18AA-00102-02 Ojigala Sioux tribe alcoholism
 R18AA-00172-02 Maine Indian alcoholism field survey
 R18AA-00174-03 Services for problem drinking drivers
 ** R18AA-00485-03 Demonstration-tri-cultural alcoholism treatment program
 ** R18AA-00493-02 Problem drinking of urban Indians
 ** R18AA-00507-02 Community alcoholism services
 ** R18AA-00510-03 Chemawa alcoholism education program
 R18AA-00511-02 Community alcoholism program
 ** R18AA-00512-01 Native American therapy center (alcoholism)
 ** R18AA-00513-03 Miccosukee alcoholism services program
 ** R18AA-00515-03 Hualapai alcoholism project
 ** R18AA-00518-03 Superior Indian associan AA GA-WEIN (No) group
 ** R18AA-00521-01 Indian community alcoholism program
 ** R18AA-00523-02 Standing Rock comprehensive program
 ** R18AA-00527-03 New Mexico intertribal council on social problems
 ** R18AA-00530-03 Community alcoholism services Indian program
 R18AA-00532-01 Metlakatla Indian community alcoholism services
 ** R18AA-00533-03 Alcohol awareness as it affects the Indian child
 ** R18AA-00536-03 Community alcoholism services Indian program
 ** R18AA-00537-03 Seattle indian alcoholism program
 R18AA-00538-01 Comprehensive alcoholism treatment program
 ** R18AA-00539-03 Indian alcoholism program
 ** R18AA-00540-03 Cherokee Nation-Alcoholism guidance center program
 ** R18AA-00542-02 Cleveland American Indian community alcoholism services
 ** R18AA-00543-03 Cheyenne-Arapaho alcoholic rehabilitation center
 ** R18AA-00544-03 American Indian Services, Inc.
 ** R18AA-00543-03 Salt River community alcoholism program
 ** R18AA-00546-02 Pueblo of Acoma alcoholism and treatment program
 ** R18AA-00547-03 Community alcoholism services Indian program
 R18AA-00551-01 Comprehensive Indian alcoholism and social services program
 ** R18AA-00552-03 American Indian special services project
 ** R18AA-00553-03 Cheyenne River alcohol and drug abuse program
 ** R18AA-00555-03 Laguna alcoholism program
 ** R18AA-00557-03 Indian program
 ** R18AA-00558-03 North central inter-tribal community health project
 ** R18AA-00559-03 Intertribal alcoholism treatment center
 ** R18AA-00560-03 Native American alcoholism and drug abuse program
 ** R18AA-00562-03 Umatilla tribal alcohol program
 ** R18AA-00563-03 Mesquakie program on problem drinking
 ** R18AA-00564-03 Friendship House Community Rehabilitation Center
 ** R18AA-00567-03 USET-Education in comprehensive alcoholism programs
 R18AA-00569-01 AIN DAH ING Community alcoholism services
 R18AA-00570-01 Haskell Indian alcohol prevention treatment program
 ** R18AA-00575-03 Sandoval County Indian pueblos alcoholism program
 ** R18AA-00576-03 Inter-tribal alcoholism and rehabilitation program (Oklahoma)
 R18AA-00577-01 White earth reservation alcoholism program
 ** R18AA-00578-03 Mescalero alcoholism project (New Mexico)
 ** R18AA-00579-01 Montana Indian commission on alcoholism
 ** R18AA-00580-03 Rosebud Sioux Alcohol Control Program, Inc
 ** R18AA-00582-03 Seminole Comprehensive Alcoholism Program
 ** R18AA-00583-02 Papago alcoholism prevention program
 ** R18AA-00584-03 Taapee Center Group Inc
 R18AA-00585-01 Keweenaw Bay Indian center alcoholism program
 ** R18AA-00623-02 Alcoholism and drug abuse program and treatment
 ** R18AA-00628-02 Crow tribe alcoholism program
 R18AA-00653-02 Northern Cheyenne alcoholism project
 ** R18AA-00706-01 Community alcoholism services indian program (California)
 ** R18AA-00721-02 Comprehensive alcoholism services Indian program alcoholism counseling
 ** R18AA-00746-01

R18AA-00750-01 San Joaquin County Indian alcoholism program
 ** R18AA-00781-01 Santa Domingo alcoholism treatment and education program
 ** R18AA-00782-01 Chilocco Indian alcoholism education program
 R18AA-00797-01 Omaha tribe of Nebraska alcoholism program
 ** R18AA-00798-02 Ft Yuma Council on Alcoholism and Drug Abuse
 R18AA-00804-01 Comprehensive alcohol rehabilitation program
 R18AA-00836-02 Inter-Tribal Council of Nevada alcoholism program
 R18AA-00874-02 Lummi Indian alcoholism program
 ** R18AA-00891-02 Cherokee alcoholism rehabilitation and education
 ** R18AA-00900-01 Kenei native ess'n alcoholism project
 ** R18AA-00901-02 Indian alcoholism and drug abuse outreach
 ** R18AA-00903-01 Indian alcohol program
 ** R18AA-00945-01 Indian community alcoholism services special demonstration
 R03AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)
 ** R18AA-00967-01 Indian women alcoholism crisis center
 R18AA-01028-02 Support for alcoholism control program
 ** R18AA-01044-01 United tribes training center alcoholism project
 R18AA-01054-02 Hopi alcoholism program
 ** R18AA-01056-02 Rural Alcoholism program (human)
 R18AA-01074-02 GLITC, Inc., alcoholism treatment program
 ** R18AA-01097-01 Clarie Point Village alcoholism service
 ** R18AA-01110-01 Kongiganak alcoholism diversification program
 ** R18AA-01112-01 New Stuyahok Village alcoholism service
 ** R18AA-01113-01 Lovelock Village alcoholism service
 R18AA-01122-02 Alcoholism program
 R18AA-01129-02 American Indian Commission on alcoholism and drug abuse
 ** R18AA-01139-01 Chee-Woy-Na-Zhee Inc.
 ** R18AA-01148-02 Support for alcoholism control program
 R18AA-01160-02 Choctaw community alcoholism services (Indian program)
 R18AA-01181-01 CEO alcoholism program
 ** R18AA-01232-01 Alcoholism information and counseling program
 ** R18AA-01325-01 TOK recreation program
 R18AA-01339-01 Fairbanks native association council on alcoholism
 R18AA-01356-01 UnAlaska council on alcoholism
 ** R18AA-01400-01 Southwest Indian Foundation Alcoholism Program
 ** R03AA-01408-01 Drinking patterns in two Lumbee Indian communities
 R18AA-01411-01 Phoenix urban Indian alcoholism program
 ** R18AA-01460-01 Apache comprehensive care center (planning)
 ** R18AA-01509-01 Uintah and Ouray Indian recovery center
 R18AA-01546-01 Cocopah alcoholism program
 R18AA-01642-01 Social Development center
 ** R18AA-01676-01 Joel Fairbanks aftercare residence
 ** R18AA-01694-01 Expansion funds for court advocates and staff (American Indians)
 P02AM-10202-08 0003 Studies in human nutrition - Lactose malabsorption in relation to age, ethnic background and nutrition
 RO1AM-14668-04 Mechanism of gallstone formation in man
 RO1AM-16667-01 Researches on causes and treatment of gallstones
 ** NO1CH-45071-00 Cytology demonstration project for a Southwestern American Indian population
 ** R25DA-00160-03 Narcotics information program and pilot study (American Indians)
 ** R25DA-00969-01 Indian drug abuse research
 ** R25DA-00977-01 Miccosukee Indian drug education program
 ** R01DA-01054-01 Drug abuse among Indian adolescents
 PO1DE-01770-12 0003 Oral pathology - Epidemiology of minor congenital abnormalities of head and neck (human)
 RO1EY-00186-20 Viral keratoconjunctivitis and related disorders (human)
 RO1EY-00445-06 Ocular immunology (human)
 PO1GM-15003-13 0005 The biological functions of metals - Liver alcohol dehydrogenase (human)
 PO1GM-15419-07 0004 Cellular and biochemical genetics - Hemoglobin and other proteins (human)
 PO1HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
 RO1HD-07682-02 Differential fertility in the United States, 1960-1070
 ** RO1HD-08967-01 Changing mating patterns among the Papago Indians
 RO1HL-13667-08 Natural history of chronic bronchitis - emphysema (human)
 P17HL-14230-04 0057 Lipids, atherosclerosis and thrombosis - Coronary risk factors in Tarahumara Indians (cont'd)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
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- P17HL-14230-04 0058 Lipids, atherosclerosis and thrombosis - Dietary cholesterol on sterol balance of Tarahumara Indians
- ** N01HR-22985-03 Respiratory diseases
R18HS-01547-01 Health law project
** R01LM-01396-03 History of health in Indian and Oklahoma territories
** N01MD-44209-00 Indian health career counselor's program
** N01MD-44210-00 Indian health career program
** N01MD-44211-00 Indian health career counselor's program
R01MH-16852-06 Evaluation of project catch-up (human)
R01MH-19712-03 Social change in plural society (Andean Peru)
- ** R01MH-21853-03 Rehabilitation program for delinquent Indian youth
** R01MH-22035-01 Ethnic survey program
** R01MH-22719-03 Native American children-The urban way
** R01MH-22939-02 Indian student performance-A multi-variate study
** R01MH-23538-02 Raman Navajo school social services
** R01MH-24866-02 Preventive intervention-Isolated Navajo families
R01MH-25216-01 Helping relationship in diverse subcultures
** N01NU-24321-03 Indian nurse recruitment program
** N01RR-00065-12 0035 General clinical research center - Pathogenesis of cholesterol gallstones (human)
- SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS, ALASKAN**
- ** R18AA-00027-01 Mount Edgocumhe comprehensive alcoholism program-MECAP
R18AA-00516-03 The Anchorage native half-way house
** R18AA-00535-03 Upper Tanana region alcohol and drug program
** R18AA-00832-01 Copper River Alcoholism Control Program
R18AA-00894-01 Village Alcoholism Service
R18AA-00914-01 Akiachak Village Alcoholism Service
R18AA-01081-01 Northway Village alcoholism center
** R18AA-01083-01 Naknek Village Alcoholism Service
** R18AA-01121-01 Belkofski Village alcoholism service
** R18AA-01125-01 Yukutat alcoholism program
** R18AA-01183-01 Kake Alcoholism Center
** R18AA-01343-01 Copper River alcoholism program chinina
R18AA-01608-01 Alaska statewide alcoholism media campaign
R01AM-04826-14 Abnormal proteins in the pathogenesis of disease (human, aspergillus)
P01GM-15003-13 0005 The biological functions of metals - Liver alcohol dehydrogenase (human)
- SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS, MAYAN**
- R01HD-04128-06 Intervention and critical periods in moral development (human)
** R01MH-02100-17 An analysis of the process of cultural change (Mexico)
- SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS, MEXICAN**
- R01HD-04128-06 Intervention and critical periods in moral development (human)
- SOCIAL GROUPS, ETHNIC, AMERICANS**
SEE ALSO SOCIAL GROUPS, ETHNIC, ALEUTS
SEE ALSO SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS, ALASKAN
SEE ALSO SOCIAL GROUPS, ETHNIC, CARIBBEANS
SEE ALSO SOCIAL GROUPS, ETHNIC, ESKIMOS
P01GM-19489-03 0003 Study of human genetics - Craniofacial characteristics of heritable disorders of connective tissue
R01HD-04128-06 Intervention and critical periods in moral development (human)
** P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
R01HD-07188-01 Ethnography of poor black women
** R01HD-07682-02 Differential fertility in the United States, 1960-1970
** N01HD-22033-02 Correlates of family size and child spacing in the United States and Puerto Rico
R01MH-19029-03 Nonverbal interethnic encounters in urban settings
** R01MH-19864-04 American beliefs about physical and mental illness
** R01MH-24989-01 Asian American national mental health coalition
R01MH-25589-01 Asian American mental health research center
N01PE-44140-00 A basic science review course for US citizens
- SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS**
R12AA-00209-07 0001 Washington University Alcoholism Research Center - Aging, suicide, and alcoholism-Comparison between Whites and Blacks
** R18AA-00744-02 Alcoholic incentive ladder program
R18AA-01487-01 Columbia Point alcoholism program
R18AA-01675-01 Rockland County comprehensive alcoholism service programs
- R18AA-01682-01 Black alcoholism-Education, outreach and treatment
** R01AI-12155-01 Histocompatibility antigens in a black population (human)
P02AM-10202-08 0003 Studies in human nutrition - Lactose malabsorption in relation to age, ethnic background and nutrition
R01AM-10894-08 0001 Genetic metabolic diseases of infancy and childhood - Galactose metabolism in patients
R01AM-12049-08 Experimental program in rheumatoid arthritis (human)
R01AM-14668-04 Mechanism of gallstone formation in man
R01AM-16691-03 Heme and globin synthesis in infants and children (human)
P01AM-17433-01 0013 Cardiovascular, metabolic aspects of membrane transport - Hereditary defect in erythrocyte transport (human)
R01CA-01786-20 0004 Blood proteins - Carbonic anhydrases (human, horses, cattle, goats)
** P01CA-12376-03 0006 Environmental carcinogenesis - Prostate cancer in Negroes
R26CA-15448-01 Characterization of prostatic carcinoma among blacks
** N01CP-33215-01 Epidemiologic study of colon cancer in blacks
N01CP-43282-00 Incidence of colon cancer among blacks, Spanish-Americans and whites
R01DA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)
R01DA-00886-01 Street and clinic experiences of Black opiate users
P01DA-01073-01 Center, theoretical social research on drug abuse
P01DE-01697-12 0001 Interdisciplinary studies in cleft palate - Larynx (human)
P01DE-01770-12 0003 Oral pathology - Epidemiology of minor congenital abnormalities of head and neck (human)
P01GM-14552-08 0014 Normal and abnormal cell growth multidisciplinary study - Clinical disease, biochemical defects and genetic determinants
P01GM-15003-13 0005 The biological functions of metals - Liver alcohol dehydrogenase (human)
P01GM-15253-08 0001 Genetics in medicine-Gene action in man - Hemoglobin variants
P01GM-15253-08 0028 Genetics in medicine-Gene action in man - Thalassemia
P01GM-19443-03 0003 Problems in clinical genetics - Racial distribution and genetics of refractive errors
P01GM-19489-03 0016 Study of human genetics - Search for new HLA antisera
P01GM-19489-03 0018 Study of human genetics - Linkage study of beta hemoglobin locus
P01GM-19489-03 0032 Study of human genetics - Hemoglobinopathies, particularly sickle cell anemia
P01HD-00668-16 0008 Aging and the aged - Physical, psychological, and social effects of aging (human)
P01HD-03008-07 0015 Cognition and motivation in the retarded - Determinants of self-image disparity in children and adults
P01HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
P01HD-03008-07 0028 Cognition and motivation in the retarded - Basic research on nature of intervention (human, chickens)
R01HD-03869-06 Elaborative learning process in adolescence
P01HD-04299-05 Intervention and mental health of infants
R01HD-05255-03 Pre-adult fertility and family formation (young women)
** R01HD-05852-03 Migration of negroes to the south
P01HD-05876-03 0030 Center for population research - Demography of the life cycle
P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
P01HD-05894-04 0005 Genetic childhood diseases and aging - HLA antigens, immunologic response and disease (infants)
P01HD-05894-04 0018 Genetic childhood diseases and aging - Cellular immune deficiency as possible cause of aging (human, mice)
R01HD-06457-02 Imposed and induced learning activities of children
R01HD-07147-01 Migration and fertility behavior and attitudes
R01HD-07179-01 Lactose intolerance in healthy children
R01HD-07188-01 Ethnography of poor black women
R01HD-07682-02 Differential fertility in the United States, 1960-1970
R01HD-07993-01 Fertility and labor force patterns in U S women
R01HD-08016-01 Behavior genetic studies of adoptive and natural families
R01HD-08407-01 Reproduction in women whose red cells contain hemoglobin S
** R01HD-08624-01 Black childlessness
N01HD-22038-03 Role and fertility patterns of urban mothers
N01HD-32722-01 Evaluating the demographic impact of organized family planning programs
- M P01HL-06349-13 Cardiovascular disease clinical program project
** P01HL-06349-13 0006 Cardiovascular disease clinical program project - Hypertension in the black community and the influence of sodium
P01HL-06349-13 0008 Cardiovascular disease clinical program project - Angiotensin and renin secretion in prehypertensive adolescents
** P01HL-06349-13 0010 Cardiovascular disease clinical program project - Abnormal hemoglobin states and cardiovascular disorders (human)
** P01HL-06349-13 0013 Cardiovascular disease clinical program project - Rehabilitation of the hypertensive patient
R01HL-13329-04 Stress and heredity factors related to blood pressure (human)
P17HL-14242-04 0003 Specialized center of research in hypertension - Acute glomerulonephritis in childhood and hypertension in young Black patients
R01HL-14487-01 Hypertension in the young inner city female
P18HL-15157-03 0001 Comprehensive sickle cell disease center - Screening program (human)
P18HL-15157-03 0003 Comprehensive sickle cell disease center - Audiovisual education
P18HL-15157-03 0005 Comprehensive sickle cell disease center - Cardiovascular manifestations of sickle cell anemia (human)
P18HL-15157-03 0006 Comprehensive sickle cell disease center - Genetic counseling in sickle cell disease
P18HL-15157-03 0007 Comprehensive sickle cell disease center - Blood coagulation and platelets in sickle cell disease (human)
P18HL-15157-03 0006 Comprehensive sickle cell disease center - Lung function in sickle cell anemia (human)
P18HL-15157-03 0012 Comprehensive sickle cell disease center - Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human)
P18HL-15157-03 0013 Comprehensive sickle cell disease center - Host resistance to infection in sickle cell anemia (human)
P18HL-15157-03 0014 Comprehensive sickle cell disease center - Diagnosis of fetal jeopardy in sickle cell trait and disease (human)
P18HL-15161-03 0001 Comprehensive sickle cell disease center - Program for provision of medical and social services to sickle cell patients
P18HL-15161-03 0002 Comprehensive sickle cell disease center - Intellectual and emotional growth and development of children
P18HL-15161-03 0003 Comprehensive sickle cell disease center - Vocational rehabilitation of patients with sickle cell disease
P18HL-15161-03 0004 Comprehensive sickle cell disease center - Screening program for sickle cell and allied disorders
P18HL-15161-03 0006 Comprehensive sickle cell disease center - Morbidity of sickle cell trait (human)
P18HL-15161-03 0007 Comprehensive sickle cell disease center - Kidney in children with sickle hemoglobin
P18HL-15161-03 0008 Comprehensive sickle cell disease center - Host resistance to infection in patients with sickle cell and allied diseases
P18HL-15161-03 0010 Comprehensive sickle cell disease center - Coagulation fibrinolysis, and platelets in sickle cell disease (human)
P18HL-15161-03 0011 Comprehensive sickle cell disease center - Rheological study of blood in sickle cell disease (human)
P18HL-15162-03 0001 Comprehensive sickle cell disease center - Inpatient service
P18HL-15162-03 0002 Comprehensive sickle cell disease center - Outpatient service
P18HL-15162-03 0005 Comprehensive sickle cell disease center - Lay and professional education
P18HL-15162-03 0006 Comprehensive sickle cell disease center - Psycho-social service
P18HL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)
P18HL-15162-03 0008 Comprehensive sickle cell disease center - Consultations
P18HL-15162-03 0010 Comprehensive sickle cell disease center - Community involvement (human)
P18HL-15162-03 0011 Comprehensive sickle cell disease center - Genetic counseling and diagnostic screening
P18HL-15165-03 0001 Comprehensive sickle cell disease center - Feasibility and effectiveness of community education, screening, and counseling
P18HL-15165-03 0003 Comprehensive sickle cell disease center - In vitro growth of hematopoietic cells from human embryonic tissue (human)
P18HL-15165-03 0005 Comprehensive sickle cell disease center - Intravascular clotting in sickle cell disease (human)
P18HL-15165-03 0008 Comprehensive sickle cell disease center - Bacterial defense mechanisms in sickle cell anemia (human)
P18HL-15165-03 0010 Comprehensive sickle cell disease center - Comparative study of therapy of leg ulcers in sickle cell anemia (human)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- P18HL-15166-03 0005 Comprehensive sickle cell disease center - Clinical significance of hemoglobin isoalleles (human)
 P18HL-15166-03 0006 Comprehensive sickle cell disease center - Linkage between the hemoglobin beta locus and other genetic markers (human)
 P18HL-15166-03 0007 Comprehensive sickle cell disease center - Genetic studies on hypertension and renin secretion in black families and twins
 P18HL-15166-03 0008 Comprehensive sickle cell disease center - Familial psychosocial aspects of sickle hemoglobin
 P18HL-15166-03 0010 Comprehensive sickle cell disease center - Treatment of aseptic necrosis of the hip by bone grafting (human)
 P18HL-15166-03 0012 Comprehensive sickle cell disease center - Effect of sickle trait on incidence of medical problems and reproductive fitness
 P18HL-15166-03 0013 Comprehensive sickle cell disease center - The optic fundus (human)
 P18HL-15168-03 0001 Comprehensive sickle cell disease center - Screening program (human)
 P18HL-15168-03 0002 Comprehensive sickle cell disease center - Patient service program
 P18HL-15168-03 0004 Comprehensive sickle cell disease center - Hemostatic function (human)
 P18HL-15168-03 0005 Comprehensive sickle cell disease center - Ocular therapy, clinical investigations, and counseling
 P18HL-15170-03 0001 Comprehensive sickle cell disease center - Adult out-patient care
 P18HL-15170-03 0002 Comprehensive sickle cell disease center - Screening programs and genetic counseling (human)
 P18HL-15170-03 0004 Comprehensive sickle cell disease center - Cyanate as a possible therapy (human)
 P18HL-15170-03 0005 Comprehensive sickle cell disease center - Intravenous urea in the treatment of sickle cell crisis (human)
 P18HL-15170-03 0006 Comprehensive sickle cell disease center - Pediatric comprehensive care clinic
 P18HL-15170-03 0009 Comprehensive sickle cell disease center - Role of spleen in severe infections and development of a prophylactic regimen (human)
 P18HL-15170-03 0010 Comprehensive sickle cell disease center - Incidence of glucose-6-phosphate dehydrogenase deficiency (human)
 P18HL-15170-03 0011 Comprehensive sickle cell disease center - Development of central nervous system complications and sequelae (human)
 P18HL-15170-03 0012 Comprehensive sickle cell disease center - Cardiac and hemodynamic studies (human)
 P18HL-15170-03 0013 Comprehensive sickle cell disease center - Effect of sodium and potassium cyanate treatment on hormone action (human)
 P18HL-15170-03 0018 Comprehensive sickle cell disease center - Intravascular coagulation phenomena (human)
 P18HL-15170-03 0019 Comprehensive sickle cell disease center - Renal handling of uric acid (human)
 P18HL-15170-03 0020 Comprehensive sickle cell disease center - Calcitonin in expansive bone marrow disease (human)
 P18HL-15170-03 0021 Comprehensive sickle cell disease center - Mechanisms of control of hemoglobin synthesis (human)
 P18HL-15170-03 0023 Comprehensive sickle cell disease center - Comprehensive patient care
 P18HL-15170-03 0024 Comprehensive sickle cell disease center - Coagulation abnormalities (human)
 P18HL-15170-03 0025 Comprehensive sickle cell disease center - Hypertransfusion to prevent sickle cell crises and thrombotic episodes (human)
 P18HL-15170-03 0026 Comprehensive sickle cell disease center - Infections and type of organism in relation to immunologic abnormalities (human)
 P18HL-15170-03 0027 Comprehensive sickle cell disease center - Infections and type of organism found in relation to immunologic abnormalities
 P18HL-15170-03 0029 Comprehensive sickle cell disease center - Pregnancy in sickle cell patients
 P18HL-15996-02 0004 Cincinnati sickle cell anemia center - School adjustment of thirty sickle cell patients
 P18HL-15996-02 0006 Cincinnati sickle cell anemia center - Education
 P18HL-15996-02 0007 Cincinnati sickle cell anemia center - Screening
 P18HL-15997-02 0001 A comprehensive hospital-community sickle cell center - Education
 P18HL-15999-02 0004 Miami comprehensive sickle cell center - Screening and education
 P18HL-16005-01 0002 Comprehensive sickle cell center of the University of Chicago - Phenotype variability and interaction of hemoglobins (human)
 P18HL-16008-02 0011 Wayne State University comprehensive sickle cell center - Education, screening, and counseling
 P01HL-16769-01 0007 Pathobiologic and host defense reactions in the lung - Immunogenetic factors in sarcoidosis (human)
 R25HL-16959-01 Hypertension education in a low income community
 M01HR-12220-04 Study on alpha 1 antitrypsin
 ** R01HS-00422-05 Ecology of migrant peoples-Mississippi
 ** P01HS-00620-04 0006 Multiple effects of alternative health care services - Study of unmet needs
 M01HV-12438-07 Therapy for hypertension in the general population
 N01MG-34132-01 Produce radio shows aimed at recruiting Black/Spanish students into health care
 P01MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men
 R01MH-15521-06 Problem solving behavior of family groups (human)
 ** R01MH-15606-07 Adaptive behavior in varied high school environments
 R01MH-15708-05 Leisure and mental health-Cultural and age factors
 R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 R01MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
 R01MH-16621-05 Social mobility in Philadelphia
 ** R01MH-17495-03 Cooperative interracial contact and attitude change
 R01MH-18051-04 Aging and the use of community resources (human)
 R01MH-18864-04 Epidemiology of achievement and psychiatric status
 R01MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
 R01MH-19069-04 Social class differences in community behavior (human)
 R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
 R01MH-20214-04 Parent education program in the pediatric clinic
 R01MH-20639-01 Comparative study of white, black, and spanish groups
 R01MH-21423-03 Locus of control and intellectual development (children)
 R01MH-21724-02 Sub-cultural conceptions of mental illness
 R01MH-21854-02 Social antecedents of acts of interpersonal violence
 R01MH-22019-02 Psychotropic drug assessment (human)
 ** R01MH-22035-01 Ethnic survey program
 ** R01MH-22090-01 The mental health of Blacks and Asian Americans
 R01MH-22249-02 Desegregation and prejudice
 ** R01MH-23125-02 Supportive resources for black adolescent aspiration
 R01MH-23604-02 Self survey of the black community of Topeka, Kansas
 ** R01MH-23770-01 White universities' response to black students' entry
 P01MH-23878-06 0015 Cognitive processes and mathematical psychology - Development of memory skills
 P01MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
 R01MH-23903-02 Early patterns of cognitive development
 ** R01MH-24003-02 The black intelligence test as a moderator variable (human)
 ** R01MH-24014-02 Black families of prisoners
 ** R01MH-24454-01 Black language-A moderator variable in intelligence
 ** R01MH-24656-01 The psychology of Black Gangs-Mental illness or mental health
 ** R01MH-24690-01 Annals of black psychiatry
 ** R01MH-24787-01 Research review of black mental health-Mental illness
 R01MH-24807-01 Marriage, female roles, and marital disruption
 ** R01MH-24858-01 Strengths-weakness in Black female headed families
 R01MH-24887-01 and families
 R01MH-25044-02 Epidemiology of exceptionality in school children
 R03MH-25130-01 Analysis of data on educational change (human)
 R01MH-25177-01 Reduce aspiration conflict among minority youth
 ** R01MH-25551-01 Mental health R and D center in black communities
 ** R01MH-25580-01 Fanon mental health research and development centers (FRDC)
 R01MH-25617-01 Alternative inner city policy
 R13MH-25786-01 Miniconsultation on the mental and physical health of black women
 R03MH-26049-01 Interracial perception and interaction
 ** R01MH-26103-01 Black abolitionist physicians in 19th century USA
 M01RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
 M01RR-00211-10 0054 General clinical research center - Hypertension SCOR (human)

SOCIAL GROUPS, ETHNIC, AMERICANS, CHINESE-AMERICANS

- R01AA-01761-01 Alcohol metabolism in four ethnic groups in Hawaii
 P02AM-10202-08 0003 Studies in human nutrition - Lactose malabsorption in relation to age, ethnic background and nutrition
 P01GM-15253-08 0028 Genetics in medicine-Gene action in man - Thalassemia
 R01HD-03869-06 Elaborative learning process in adolescence
 R01HD-07682-02 Differential fertility in the United States, 1960-1070
 P01MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men
 R01MH-21423-03 Locus of control and intellectual development (children)
 ** R01MH-22035-01 Ethnic survey program
 ** R01MH-22090-01 The mental health of Blacks and Asian Americans
 P01MH-23878-06 0015 Cognitive processes and mathematical psychology - Development of memory skills
 R01MH-23993-01 A study of Asian American communities in Chicago
 R01MH-24989-01 Asian American national mental health coalition

SOCIAL GROUPS, ETHNIC, AMERICANS, HAWAIIANS

- N01CP-33216-01 Japan-Hawaii cancer study
 R01DE-02646-07 Population studies of oral diseases in Hawaii (human)
 ** N01HV-50038-19 Analysis of Hawaii Heart Study
 R01MH-21423-03 Locus of control and intellectual development (children)

SOCIAL GROUPS, ETHNIC, AMERICANS, ITALO-AMERICANS

- ** R01MH-24587-01 Ethnicity and social class in rural communities

SOCIAL GROUPS, ETHNIC, AMERICANS, JAPANESE-AMERICANS

- R01AA-01761-01 Alcohol metabolism in four ethnic groups in Hawaii
 P02AM-10202-08 0003 Studies in human nutrition - Lactose malabsorption in relation to age, ethnic background and nutrition
 ** P01CA-15655-01 0011 Cancer center support grant - Nitrite and secondary amine levels in Japanese diets
 ** R01CA-16000-01 Diet and breast cancer in Japanese-American women
 ** P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 R01HD-07682-02 Differential fertility in the United States, 1960-1070
 ** N01HV-42980-00 Acculturation and coronary heart disease among Japanese
 ** R01MH-12780-04 Japanese American research project
 R01MH-21423-03 Locus of control and intellectual development (children)
 ** R01MH-22035-01 Ethnic survey program
 ** R01MH-22090-01 The mental health of Blacks and Asian Americans
 R01MH-23993-01 A study of Asian American communities in Chicago
 R01MH-24989-01 Asian American national mental health coalition
 P01NS-06229-09 0008 Cerebrovascular diseases program - Mortality from cerebrovascular disease in veterans

SOCIAL GROUPS, ETHNIC, AMERICANS, MEXICAN-AMERICANS

- ** R01AA-00331-01 Alcohol use among Orange County Chicano groups
 ** R18AA-00485-03 Demonstration-bi-cultural alcoholism treatment program
 R01AI-11779-01 Mast cells and IgE in allergy and helminthiasis (human)
 ** R01DA-00083-04 Addiction careers of San Antonio addicts
 ** R25DA-00180-02 Chicano youth drug prevention and treatment project
 R25DA-00841-01 San Antonio youth drug abuse project
 ** R25DA-00935-01 Community education project for Mexican-American
 ** R01DA-01053-01 Community variations in Chicano ex-addict adaptations
 P01GM-19513-03 0010 Human genetics - Incidence and prevalence of inherited disease
 R01HD-03869-06 Elaborative learning process in adolescence
 ** P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 ** R01HD-06521-02 Language attitudes of bilingual Chicanos
 ** R01HD-07480-01 The ethnosemantics of Mexican American fertility
 ** R01HD-07598-01 Demographic portrait of Spanish-surnamed Californians

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

R01HD-07682-02 Differential fertility in the United States, 1960-1070

** N01HD-12215-04 Growth of Mexican-American families

R01HS-01622-01 Perceptions of health in a Mexican-American community

R01MH-15708-05 Leisure and mental health-Cultural and age factors

R01MH-16852-06 Evaluation of project catch-up (human)

R01MH-21854-02 Social antecedents of acts of interpersonal violence

** R01MH-22035-01 Ethnic survey program

R01MH-22249-02 Desegregation and prejudice

R01MH-22799-01 Evaluating marriage counseling intervention strategies

** R01MH-22834-02 Mexican-American matriculation and retention rates (universities)

** R01MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)

** R01MH-24597-01 Chicano drop-outs in higher education

** R01MH-24817-01 Human development model for mental health services

** R01MH-24854-02 Spanish speaking MH research and development program

R01MH-25044-02 Epidemiology of exceptionalism in school children

R03MH-25130-01 Analysis of data on educational change (human)

R01MH-25216-01 Helping relationship in diverse subcultures

R01MH-25431-01 Epidemiology of acceptance of mental health services

** R01MH-26099-01 Mental health service utilization by Mexican Americans

R01MH-26207-01 Behavioral analysis & modification in a community mental health center

** N01MH-40073-00 Conference on mental health needs of Mexican-American children in Texas

SOCIAL GROUPS, ETHNIC, AMERICANS, PUERTO RICANS

R01DA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)

** P01DA-01097-01 0006 Center for socio-cultural research on drug use - Comparative analysis of drug behavior among Puerto Ricans

P01DA-01097-01 0007 Center for socio-cultural research on drug use - Migration and drug use

P01GM-19443-03 0003 Problems in clinical genetics - Racial distribution and genetics of refractive errors

R01HD-07147-01 Migration and fertility behavior and attitudes

R01HD-07188-01 Ethnography of poor black women

R01HD-07682-02 Differential fertility in the United States, 1960-1070

** N01HD-22023-02 Correlates of family size and child spacing in the United States and Puerto Rico

P18HL-15161-03 0007 Comprehensive sickle cell disease center - Kidney in children with sickle hemoglobin

P18HL-15161-03 0008 Comprehensive sickle cell disease center - Host resistance to infection in patients with sickle cell and allied diseases

** R18HS-01124-01 Education for better use of health services by Puerto-Ricans in East Harlem

R01MH-10328-10 Measurement of untreated psychiatric disorder

R01MH-18260-05 Psychiatric impairment in urban children over time

R01MH-20214-04 Parent education program in the pediatric clinic

R01MH-22563-01 Folk healers and community mental health programming

SOCIAL GROUPS, ETHNIC, AMERICANS, SPANISH-AMERICANS

** R18AA-00654-02 Mission unity group

R18AA-01045-02 Community alcoholism services

R18AA-01487-01 Columbia Point alcoholism program

R18AA-01615-01 Community alcoholism services Spanish-American

R18AA-01675-01 Rockland County comprehensive alcoholism service programs

N01CP-43282-00 Incidence of colon cancer among blacks, Spanish Americans and whites

P01DA-01073-01 Center, theoretical social research on drug abuse

R18DA-01104-01 Impact of drug use in families

P01HD-05876-03 0030 Center for population research - Demography of the life cycle

P18HL-15999-02 0004 Miami comprehensive sickle cell center - Screening and education

N01MB-34132-01 Produce radio shows aimed at recruiting Black/Spanish students into health care

N01MB-44085-00 Distribution of the film 'What can you do'

N01MB-44198-00 'The Sound of Soul'

R01MH-19029-03 Nonverbal interethnic encounters in urban settings

R01MH-20639-01 Comparative study of white, black, and spanish groups

P01MH-23878-06 0015 Cognitive processes and mathematical psychology - Development of memory skills

SOCIAL GROUPS, ETHNIC, AMERICANS, WHITE AMERICANS

P01GM-15003-13 0005 The biological functions of metals - Liver alcohol dehydrogenase (human)

R01MH-20639-01 Comparative study of white, black, and spanish groups

R01MH-22799-01 Evaluating marriage counseling intervention strategies

R01MH-23770-01 White universities' response to black students' entry

SOCIAL GROUPS, ETHNIC, N. AMERICANS

SEE ALSO SOCIAL GROUPS, ETHNIC, AMERICANS

N01AA-40001-00 Technical assistance to Alaskan native alcoholism program

SOCIAL GROUPS, ETHNIC, N. AMERICANS, FRENCH-CANADIANS

P01GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia

P01GM-19489-03 0024 Study of human genetics - Linkage and gene assignment by cell hybridization

SOCIAL GROUPS, ETHNIC, N. AMERICANS, MEXICANS

R01AH-11779-01 Mast cells and IgE in allergy and helminthiasis (human)

R01HD-04128-06 Intervention and critical periods in moral development (human)

** R01MH-02100-17 An analysis of the process of cultural change (Mexico)

R01MH-15521-06 Problem solving behavior of family groups (human)

** R01MH-23262-02 Assimilation of Latin American minorities in the US

SOCIAL GROUPS, ETHNIC, S. AMERICANS

** R01HD-07397-02 Population study of rural migrants in urban areas

R01MH-19712-03 Social change in plural society (Andean Peru)

SOCIAL GROUPS, ETHNIC, S. AMERICANS, BLACK S. AMERICANS

R01CA-01786-20 0004 Blood proteins - Carbonic anhydrases (human, horses, cattle, goats)

SOCIAL GROUPS, ETHNIC, ARABS

R01HD-06721-03 Conditions of variation and change in fertility (Israel)

SOCIAL GROUPS, ETHNIC, ASIANS

R03AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)

** R01MH-23993-01 A study of Asian American communities in Chicago

** R01MH-24989-01 Asian American national mental health coalition

R01MH-25589-01 Asian American mental health research center

SOCIAL GROUPS, ETHNIC, ASIANS, CHINESE AMERICANS

SEE ALSO SOCIAL GROUPS, ETHNIC, AMERICANS, CHINESE-AMERICANS

R22AM-12095-06 Effect of heat and hard work on nitrogen requirement (human)

R01HD-04128-06 Intervention and critical periods in moral development (human)

R01HL-14553-02 Cardiovascular disease in Taiwan

** R01LM-02109-01 Traditional chinese medicine

SOCIAL GROUPS, ETHNIC, ASIANS, EAST INDIANS

R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)

SOCIAL GROUPS, ETHNIC, ASIANS, FILIPINOS

** R22AM-12030-03 Calorie and nutrient requirements of Filipinos

R01DE-02646-07 Population studies of oral diseases in Hawaii (human)

P01GM-15253-08 0026 Genetics in medicine-Gene action in man - Variation at the G6PD locus

R01HD-04634-04 Cognitive functions of retarded early adolescents

R01MH-20102-04 Processes of linguistic change (Philippine)

R01MH-23993-01 A study of Asian American communities in Chicago

SOCIAL GROUPS, ETHNIC, ASIANS, JAPANESE

P01CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)

** N01CP-23213-03 Shifts in cancer risks among Japanese migrants

** N01CP-33261-02 Demographic cancer research and training in Hawaii

** N01CP-33334-01 Comparative fecal flora studies (human)

** N01CP-33353-02 Study of cancer in Japanese migrants

R01DE-02646-07 Population studies of oral diseases in Hawaii (human)

R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US

** R01HD-07552-02 Economic study of fertility decline in postwar Japan

R13MH-25655-01 Identity crisis of the Sansei

SOCIAL GROUPS, ETHNIC, ASIANS, SOUTHEASTERN

P01GM-15253-08 0001 Genetics in medicine-Gene action in man - Hemoglobin variants

P01GM-15253-08 0026 Genetics in medicine-Gene action in man - Variation at the G6PD locus

SOCIAL GROUPS, ETHNIC, CARIBBEANS

SEE ALSO SOCIAL GROUPS, ETHNIC, AMERICANS, PUERTO RICANS

** R01MH-23262-02 Assimilation of Latin American minorities in the US

SOCIAL GROUPS, ETHNIC, CARIBBEANS, BLACK CARIBBEANS

P01GM-15253-08 0051 Genetics in medicine-Gene action in man - Population studies of genetic counseling (Jamaica)

** R01LM-01539-02 Mortality and the medical treatment of slaves

SOCIAL GROUPS, ETHNIC, ESKIMOS

R18AA-00516-03 The Anchorage native half-way house

R01AM-16059-16 Pathogenesis of human alimentary mucosal disease (human, rats)

P01DE-01770-12 0003 Oral pathology - Epidemiology of minor congenital abnormalities of head and neck (human)

R01EY-00284-09 Growth environmental refractive changes (human, primates)

** P01GM-10402-12 0032 Zoophysiology in Alaska - Balances of food and effort in an eskimo village

R01HD-07005-01 Child socialization practices of Nunamit eskimos

P01HL-14414-03 0009 Cardiorespiratory performance and environmental factors - Comparative study of cardiopulmonary fitness (human)

SOCIAL GROUPS, ETHNIC, EUROPEANS

R03AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)

R01MH-15521-06 Problem solving behavior of family groups (human)

R03MH-23871-01 Communal, social and cultural patterns

SOCIAL GROUPS, ETHNIC, EUROPEANS, GREEKS

P01GM-15253-08 0001 Genetics in medicine-Gene action in man - Hemoglobin variants

P01GM-15253-08 0028 Genetics in medicine-Gene action in man - Thalassemia

P01GM-15253-08 0030 Genetics in medicine-Gene action in man - Identification of the second genetic factor in favism

P01GM-15253-08 0050 Genetics in medicine-Gene action in man - Population studies of genetic counseling (Greece)

SOCIAL GROUPS, ETHNIC, EUROPEANS, IRISH

R01MH-16621-05 Social mobility in Philadelphia

SOCIAL GROUPS, ETHNIC, EUROPEANS, SCANDINAVIANS

** P16HS-00472-06 0031 Health services research center - Health policy programs in Scandinavia and United Kingdom

** R01MH-24587-01 Ethnicity and social class in rural communities

SOCIAL GROUPS, ETHNIC, JEWISH

R03AA-00957-01 Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians)

P01GM-19489-03 0002 Study of human genetics - Neurologic aspects of achondroplasia

P01GM-19489-03 0024 Study of human genetics - Linkage and gene assignment by cell hybridization

R01HD-06721-03 Conditions of variation and change in fertility (Israel)

** R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)

SOCIAL GROUPS, ETHNIC, MELANESIANS

SEE ALSO SOCIAL GROUPS, ETHNIC, POLYNESIANS

** R01HD-06343-03 Growth and development of Melanesian children

SOCIAL GROUPS, ETHNIC, POLYNESIANS

SEE ALSO SOCIAL GROUPS, ETHNIC, MELANESIANS

** N01A1-20705-02 Leprosy surveillance of Pingetapese population

R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)

SOCIAL GROUPS, MARGINAL GROUPS

R01DA-00407-02 Drug rehabilitation-Counter-culture religious cults

SOCIAL GROUPS, MINORITY GROUPS

SEE ALSO SOCIAL INTEGRATION

R18AA-00954-02 Alcoholic education rehabilitation program

R18AA-00984-02 Multi-service alcohol treatment program

** N01DA-40013-00 Study programs of drug abuse treatment to minority children and youths

*Excludes routine methodology DR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 # Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- POIDE-01697-12 0024 Interdisciplinary studies in cleft palate 2 Social status of teenagers with clefts and other minority groups
- PO1HD-05876-03 0031 Center for population research - Spatial distribution of human populations
- ** PO1HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
- PO1HD-07188-01 Ethnography of poor black women
- ** RO1HD-08497-01 Fertility and assimilation of the foreign-born
- NO1MB-24085-04 Training physicians assistants
- ** NO1MB-44006-00 Comprehensive minority health manpower plan
- NO1MB-44069-00 Distribution of the film 'Code Blue'
- ** NO1MB-44223-00 Allied health professions motivation and education
- RO1MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
- NO1MH-20125-00 Development and design of discussion guides (human)
- ** NO1MH-20148-00 Minority social seminar teacher training course
- RO1MH-20312-03 Demonstration project for urban adolescent parents
- RO1MH-22035-01 Ethnic survey program
- ** RO1MH-22929-02 Suburban realtors and the politics of suburban housing
- ** RO1MH-23262-02 Assimilation of Latin American minorities in the US
- ** RO1MH-25268-01 Minority prison community-Perceptions and practices
- RO1MH-25520-01 Data systems for minority mental health services
- RO1MH-25553-01 Pre collegio social development program
- ** RO1MH-25580-01 Fanon mental health research and development centers (FRDC)
- RO1MH-25617-01 Alternative inner city policy
- R12MH-25625-01 Development of mental health model for minorities
- ** RO3MH-25827-01 Interpersonal stereotyping-A cognitive approach
- ** RO1MH-26112-01 The persuasive power of discrepant minorities
- ** NO1MH-30089-00 Evaluation of minority training program
- ** NO1MH-40033-00 Develop training mechanism for minority group communicators
- ** NO1MH-40044-00 Institutional change in regard to racial minority and women in NIMH
- NO1MH-40067-00 A conference-Issues in mental health services to the vulnerable child
- NO1NU-24318-05 Nurse recruitment program
- ** NO1PE-44212-00 Basic medical science program for the minority disadvantaged
- SO6RR-08123-01 NESC minority student science research program

SOCIAL GROUPS, NATIONAL GROUPS

- ** NO1HO-42935-00 Support services for the preparation of the National Heart Plan RFP 74-13
- RO1MH-16621-05 Social mobility in Philadelphia
- ** RO1MH-23993-01 A study of Asian American communities in Chicago

SOCIAL GROUPS, RACIAL STOCKS

- SEE ALSO FAMILY, MARRIAGE, INTERRACIAL
SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, ANTHROPOLOGY (GENERAL)
- R18AA-00085-02 Alcoholism counseling program
 - R18AA-01027-02 Community alcohol service poverty program
 - R18AA-01732-01 Enhancement of occupational alcoholism project
 - RO1AI-10587-02 Epidemiology and history of urinary tract infections
 - PO1AI-12381-01 0019 Center for study of sexually transmitted diseases - Genital microflora in relation to sexual experience
 - RO1AI-12460-01 Genetics of isantibody and immunoglobulin levels (human)
 - R22AM-09980-09 0011 Infantile diarrhea and malnutrition (Paru, Baltimore) - Lactase deficiency (human)
 - ** PO1CA-13556-03 Core program-genetical epidemiology of cancer
 - R10CA-13651-02 Malignant melanoma group
 - R10CA-13669-02 Malignant melanoma group
 - R10CA-13671-02 Malignant melanoma group
 - PO1CA-15655-01 0004 Cancer center support grant - Host variables in response to herpes and mitogens (human)
 - ** PO1CA-15655-01 0005 Cancer center support grant - Virus etiology in neoplasms in ethnic in Hawaii
 - PO1CA-15655-01 0006 Cancer center support grant - Relationship between frequency of antibody and cancer (human)
 - ** PO1CA-15655-01 0008 Cancer center support grant - Carcinogenesis (human)
 - NO1CP-12324-04 Premalignant lesions in the large intestine
 - PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
 - NO1DE-22415-01 Dental plaque indicators (human)

- PI0ES-00159-09 0016 Center for study of the human environment - Human body burden of metals
- PI1GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
- RO1GM-17365-05 Normal profile study (human)
- RO1GM-20702-01 Genetic architecture of adaptive racial differences (butterflies, silkworms)
- PO1GM-21054-01 0006 Human genetics center - Salivary proteins
- PO1HD-00668-16 0025 Aging and the aged - Projecting the age composition of the USA population
- ** RO1HD-04275-04 Genetic studies with record linkage (human)
- RO1HD-05079-04 Clinical and chromosomal variation in 11,000 children
- RO1HD-07093-02 Effect of labor market on birth and marriage rates
- RO1HD-07134-02 Variations in postnatal ossification sequence
- RO1HD-07629-02 Population-policy linkages in cities and suburbs
- RO1HD-07831-01 Survey on worldwide variation in human growth and physique
- ** RO1HD-08016-01 Behavior genetic studies of adoptive and natural families
- RO1HD-08956-01 Follow-up of eclamptic and of rheumatic cardiac women
- ** PO1HL-08974-10 0012 Natural and experimental atherosclerosis - Studies on material collected in the IAP (human)
- ** PO1HS-00110-11 0029 Medical care and patient care research program (human) - Race in diagnosis and treatment of mental illness
- RO1MH-16631-05 Drug and family therapy in depressed outpatients
- RO1MH-20639-01 Comparative study of white, black, and spanish groups
- RO1MH-22590-02 Impact of instruction and counseling of youth
- ** RO1MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
- RO1MH-23664-02 Teenage youth in new town setting
- ** RO1MH-25216-01 Helping relationship in diverse subcultures
- RO3MH-26052-01 Contextual influences on individual choice behavior (ant)
- RO1MH-26184-01 Racial and socio-economic pluralism in a new town
- MO1RR-00084-12 0031 General clinical research center-children - Control factors in timing of sexual maturation

SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE

- SEE ALSO SOCIAL GROUPS, ETHNIC, AFRICANS, BANTU
SEE ALSO SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS
SEE ALSO SOCIAL GROUPS, ETHNIC, S. AMERICANS, BLACK S. AMERICANS
SEE ALSO SOCIAL GROUPS, ETHNIC, CARIBBEANS, BLACK CARIBBEANS

- R18AA-01675-01 Rockland County comprehensive alcoholism service programs
- PO2CA-05837-12 0004 Cancer clinical research - Epidemiologic oncology (human)
- RO1CA-07093-12 Tyrosinases-Mechanism of action and regulation (human, rodents, pigs)
- ** R26CA-15448-01 Characterization of prostatic carcinoma among blacks
- PO1DA-01097-01 0001 Center for socio-cultural research on drug use - Ethnic/class influence on drug use
- PO1DA-01097-01 0005 Center for socio-cultural research on drug use - Anthropological studies
- PO1DA-01097-01 0007 Center for socio-cultural research on drug use - Migration and drug use
- R18DA-01103-01 Ethnicity, socialization and multiple drug use
- R18DA-01104-01 Impact of drug use in families
- RO1DE-02862-09 Growth and development of the human head
- RO1ES-00939-01 Blood lead in children-Effect of anemia, hemoglobin S, G-6-PD
- RO1ES-01108-01 Effects of SO2 and respirable particulates on health
- RO1GM-19178-03 Genetic and biochemical studies of human amylase
- RO1HD-02619-08 Development of skeletal weights in children (primates)
- RO1HD-04861-05 Incidence of fetal errors of galactose metabolism (human)
- ** PO1HL-06349-13 0007 Cardiovascular disease clinical program project - Follow up of 1000 physicians and nurses
- PO1HL-08974-10 0001 Natural and experimental atherosclerosis - Coronary artery lesions and operability for stenotic coronary disease (human)
- PO1HL-08974-10 0002 Natural and experimental atherosclerosis - Geographical pathology of cerebral atherosclerosis (human)
- PO1HL-08974-10 0005 Natural and experimental atherosclerosis - Atherosclerosis, coronary heart disease and sudden death (human)
- RO1HL-13667-08 Natural history of chronic bronchitis - emphysema (human)

- PI7HL-15103-03 0008 Specialized center of research-arteriosclerosis - Community pathology-Children
- M PI8HL-15158-03 Comprehensive sickle cell disease center
- PI8HL-15160-03 0001 Comprehensive sickle cell disease center - Sickle cell disease and anesthetic experience (human)
- PI8HL-15160-03 0005 Comprehensive sickle cell disease center - In vivo bone mineral content in sickle cell anemia (human)
- PI8HL-15160-03 0007 Comprehensive sickle cell disease center - Socioeconomic aspects of sickle cell disease
- M PI8HL-15169-03 Comprehensive sickle cell disease center
- PI8HL-15997-02 0008 A comprehensive hospital-community sickle cell center - Sickle cell anemia information and testing service (human)
- ** RO1ML-16531-01 0001 Clinical cardiology-Emphasis hypertension - Hypertension proneness-Long term study of risk factors in young black americans
- ** RO1ML-16531-01 0004 Clinical cardiology-Emphasis hypertension - Plasma renin activity in a normal and hypertensive black american population
- ** RO1ML-16531-01 0005 Clinical cardiology-Emphasis hypertension - Hypertension induced by oral contraceptives
- ** RO1LM-02071-01 Health care of blacks in ante-bellum South
- NO1MB-34132-01 Preduce radio shows aimed at recruiting Black/Spanish students into health care
- RO1MH-09215-10 Mobile unit for child health supervision
- RO1MH-10328-10 Measurement of untreated psychiatric disorder
- RO1MH-14395-05 Self-regulation training for under-controlled children
- RO1MH-18260-05 Psychiatric impairment in urban children over time
- RO1MH-18542-04 Community-controlled sanctions in an urban poverty area
- RO1MH-25216-01 Helping relationship in diverse subcultures
- ** NO1MH-40020-00 Improvement of federal social, behavioral science programs at black institutions
- PO1NS-06229-09 0002 Cerebrovascular diseases program - Nationwide cerebrovascular disease mortality and morbidity study (human)
- PO1NS-06229-09 0008 Cerebrovascular diseases program - Mortality from cerebrovascular disease in veterans
- ** PO1NS-06779-06 0007 Cerebrovascular clinical research center - Stroke clinic
- MO1RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
- MO1RR-00058-13 0018 General clinical research center - Negro family with Poutz-Jeghers syndrome
- MO1RR-00045-03 0003 Clinical research center - Low renin essential hypertension (human) nephrotic edema (human)
- MO1RR-00045-03 0008 Clinical research center - Hypertension in anephric man

SOCIAL GROUPS, RACIAL STOCKS, MONGOLOID RACE

- PO1HD-05894-04 0005 Genetic childhood diseases and aging - HLA antigens, immunologic response and disease (infants)
- PO1HD-05894-04 0018 Genetic childhood diseases and aging - Cellular immune deficiency as possible cause of aging (human, mice)
- PO1HD-06276-03 0021 Mental retardation research program - Psychophysiological and behavioral differences (adults, infants)

SOCIAL GROUPS, RACIAL STOCKS, WHITE RACE

- R12AA-00209-07 0001 Washington University Alcoholism Research Center - Aging, suicide, and alcoholism-Comparison between Whites and Blacks
- ** R18AA-00485-03 Demonstration-tri-cultural alcoholism treatment program
- R18AA-00551-01 Comprehensive Indian alcoholism and social services program
- R18AA-01675-01 Rockland County comprehensive alcoholism service programs
- RO1AM-12049-08 Experimental program in rheumatoid arthritis (human)
- RO1AM-14668-04 Mechanism of gallstone formation in man
- PO2CA-05837-12 0004 Cancer clinical research - Epidemiologic oncology (human)
- RO1CA-07093-12 Tyrosinases-Mechanism of action and regulation (human, rodents, pigs)
- NO1CP-43282-00 Incidence of colon cancer among blacks, Spanish Americans and whites
- PO1DA-01073-01 Center, theoretical social research on drug abuse
- PO1DA-01097-01 0001 Center for socio-cultural research on drug use - Ethnic/class influence on drug use
- R18DA-01103-01 Ethnicity, socialization and multiple drug use
- R18DA-01104-01 Impact of drug use in families
- PO1DE-01697-12 0001 Interdisciplinary studies in cleft palate - Larynx (human)
- RO1ES-00939-01 Blood lead in children-Effect of anemia, hemoglobin S, G-6-PD

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

ROIES-01108-01 Effects of SO2 and respirable particulates on health
 RO1GM-19178-03 Genetic and biochemical studies of human amylase
 PO1GM-19513-03 0010 Human genetics - Incidence and prevalence of inherited disease
 RO1HD-02619-08 Development of skeletal weights in children (primates)
 RO1HD-03869-06 Elaborative learning process in adolescence
 RO1HD-04861-05 Incidence of fetal errors of galactose metabolism (human)
 RO1HD-05255-03 Pre-adult fertility and family formation (young women)
 PO1HD-05876-03 0030 Center for population research - Demography of the life cycle
 PO1HD-05876-03 0033 Center for population research - Problems and policy including legislation
 PO1HD-05894-04 0005 Genetic childhood diseases and aging - HLA antigens, immunologic response and disease (infants)
 PO1HD-05894-04 0018 Genetic childhood diseases and aging - Cellular immune deficiency as possible cause of aging (human, mice)
 PO1HD-06276-03 0021 Mental retardation research program - Psychophysiological and behavioral differences (adults, infants)
 RO1HD-06457-02 Imposed and induced learning activities of children
 RO1HD-07188-01 Ethnography of poor black women
 RO1HD-07993-01 Fertility and labor force patterns in U S women
 RO1HD-08016-01 Behavior genetic studies of adoptive and natural families
 NO1HD-22038-03 Role and fertility patterns of urban mothers
 NO1HD-22703-05 Psychological studies of social norms influencing family size
 NO1HD-32722-01 Evaluating the demographic impact of organized family planning programs
 PO1HL-08974-10 0001 Natural and experimental atherosclerosis - Coronary artery lesions and operability for stenotic coronary disease (human)
 PO1HL-08974-10 0002 Natural and experimental atherosclerosis - Geographical pathology of cerebral atherosclerosis (human)
 PO1HL-08974-10 0005 Natural and experimental atherosclerosis - Atherosclerosis, coronary heart disease and sudden death (human)
 RO1HL-13329-04 Stress and heredity factors related to blood pressure (human)
 RO1HL-13667-08 Natural history of chronic bronchitis - emphysema (human)
 P17HL-15103-03 0008 Specialized center of research-arteriosclerosis - Community pathology-Children
 P18HL-15160-03 0005 Comprehensive sickle cell disease center - In vivo bone mineral content in sickle cell anemia (human)
 PO1MH-13002-06 0030 Clinical and laboratory studies of affective disorder - Affective disorders and suicide in black, white, chinese men
 RO1MH-15521-06 Problem solving behavior of family groups (human)
 RO1MH-15708-05 Leisure and mental health-Cultural and age factors
 RO1MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 RO1MH-16127-06 0004 Muscle enzyme release in the acute psychoses - Hypotheses of etiology of muscle abnormalities in acute patients (also rats)
 RO1MH-16621-05 Social mobility in Philadelphia
 RO1MH-16852-06 Evaluation of project catch-up (human)
 RO1MH-17495-03 Cooperative interracial contact and attitude change
 RO1MH-18260-05 Psychiatric impairment in urban children over time
 RO1MH-18864-04 Epidemiology of achievement and psychiatric status
 RO1MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
 RO1MH-19069-04 Social class differences in community behavior (human)
 RO1MH-19193-04 Behavior growth in rapidly changing institutions (human)
 RO1MH-20639-01 Comparative study of white, black, and spanish groups
 RO1MH-21724-02 Sub-cultural conceptions of mental illness
 RO1MH-21854-02 Social antecedents of acts of interpersonal violence
 RO1MH-22249-02 Desegregation and prejudice
 RO1MH-22799-01 Evaluating marriage counseling intervention strategies
 RO1MH-23468-01 Women's liberation-Is the definition class-bound?
 RO1MH-23770-01 White universities' response to black students' entry
 PO1MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)

RO1MH-23903-02 Early patterns of cognitive development
 RO1MH-24887-01 Attitudes of married women towards work and families
 RO1MH-25044-02 Epidemiology of exceptionality in school children
 RO1MH-25216-01 Helping relationship in diverse subcultures
 RO3MH-26049-01 Interracial perception and interaction
 PO1NS-06229-09 0002 Cerebrovascular diseases program - Nationwide cerebrovascular disease mortality and morbidity study (human)
 PO1NS-06229-09 0008 Cerebrovascular diseases program - Mortality from cerebrovascular disease in veterans
 PO1NS-06229-09 0011 Cerebrovascular diseases program - Extracranial and intracranial cerebrovascular disease (human)
 MO1RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
 MO1RR-00065-12 0035 General clinical research center - Pathogenesis of cholesterol gallstones (human)

SOCIAL GROUPS, RELIGIOUS

SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, RELIGION
 RO1AA-00180-02 Religion, ethnicity and family response to alcoholism
 NO1AA-40014-00 Pastoral counseling related to alcoholism in navy
 RO1DA-00407-02 Drug rehabilitation-Counter-culture religious cults
 PO1HD-05876-03 0033 Center for population research - Problems and policy including legislation
 PO1HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 RO1HD-06721-03 Conditions of variation and change in fertility (Israel)
 RO1MH-22884-02 Organizational control and social change
 RO3MH-23871-01 Communal, social and cultural patterns

SOCIAL GROUPS, RELIGIOUS, MENNONITES

RO1AM-14876-05 Genetic studies in the Michigan, Indiana, Ohio area
 PO1GM-15422-07 0007 Program project in genetics - Clinical genetics and cytogenetics (human)
 PO1GM-19443-03 0025 Problems in clinical genetics - Role of surfactant in the respiratory distress syndrome of the newborn (human)
 PO1GM-19489-03 0022 Study of human genetics - Linkage analysis in the Ellis-van Creveld syndrome
 PO1GM-19489-03 0025 Study of human genetics - Population dynamics of pathologic genes
 PO1GM-19489-03 0026 Study of human genetics - Dwarfism in the Amish
 PO1GM-19489-03 0027 Study of human genetics - Immunogenetic studies in the Amish
 PO1GM-19489-03 0029 Study of human genetics - Theory, applications and consequences of genetic counseling
 PO1GM-20130-01 0004 Clinical genetics research center - Old Order Amish
 PO1GM-21054-01 0008 Human genetics center - New genetic syndromes
 MO1RR-00035-14 0075 General clinical research centers - Genetic disorders in Amish
 MO1RR-00035-14 0076 General clinical research centers - Rare recessive disorders in a genetic isolate (human)
 MO1RR-00722-02 0019 General Clinical Research Center - New genetic disorders (human)

SOCIAL GROUPS, RELIGIOUS, SEVENTH DAY ADVENTISTS

RO1CA-14703-01 Epidemiology of cancer in Adventists-A low risk group (human)
 RO1HL-13612-04 0004 Human arteriosclerosis - Cholesterol metabolism-Regulation of serum levels in man
 RO1HL-13612-04 0005 Human arteriosclerosis - Cholesterol metabolism-Role of intestinal mucosa (rats)

SOCIAL GROUPS, SOCIAL ORGANIZATION

SEE ALSO FAMILY
 RO1HD-05637-03 Reproductive cycles and social behavior of primates (monkeys)
 PO1HD-05876-03 0030 Center for population research - Demography of the life cycle
 PO1HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 RO1HD-06621-03 Population biology (voles)
 RO1HD-07881-01 Rural-urban migration and adaptation in Korea
 RO1HD-07914-01 Population and kinship in Neckarhausen 1500-1870
 RO1HD-08577-01 Cross-cultural study of treatment of the aged
 RO1HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
 RO1MH-02100-17 An analysis of the process of cultural change (Mexico)
 RO1MH-08954-10 Methodology of outpatient drug research (human)
 RO1MH-13864-07 Principles of primate social organization
 RO1MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 RO1MH-16345-06 Ecology and evolution of altruism (jays)

RO1MH-18565-04 Comparative study of social organization (damsel fish)
 RO1MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
 RO1MH-19589-01 Comparative study of communal living arrangements
 RO1MH-19712-03 Social change in plural society (Andean Peru)
 RO1MH-20006-04 The dynamics of short run social change (human)
 RO1MH-22012-03 Field research in cognitive anthropology (Peru)
 RO1MH-22316-02 Comparative study of social behavior (birds)
 RO1MH-22884-02 Organizational control and social change
 RO1MH-23030-02 Structure, functions, and impact on urban communes
 RO1MH-23676-02 Employee participation in ownership and management (Peru)
 RO1MH-23770-01 White universities' response to black students' entry
 RO1MH-23786-01 Changing urban family roles
 RO1MH-23809-02 Sociometrics of primates (Rhesus monkeys)
 RO1MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)
 RO3MH-23956-01 Social development of primates
 RO1MH-24677-01 The social organization of psychological disorder
 RO3MH-24999-01 Communication and social behavior (pygmy marmoset)
 RO1MH-25266-01 Personal well-being and environmental factors
 RO1MH-25271-01 Secondary analysis of sex roles data (human)
 RO1MH-25283-01 Social behavior-Ecology of populations (birds)
 RO3MH-25567-01 Administration of juvenile justice-Comparative analysis (Brazil, United States)
 RO1MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 RO1MH-25844-01 Community organization and psychiatric disorder (Israel)
 RO3MH-25921-01 Language use and political interaction (Turkey)
 RO1MH-26184-01 Racial and socio-economic pluralism in a new town
 RO1MH-40088-00 Study of social planning
 RO2MJ-00405-03 A descriptive study of the patient-hospital interface (human)

SOCIAL GROUPS, SPECIAL INTEREST

PO1HD-05876-03 0033 Center for population research - Problems and policy including legislation

SOCIAL HORMONES AND PHEROMONES

SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

SOCIAL INTEGRATION

SEE ALSO FAMILY, MARRIAGE, INTERRACIAL
 SEE ALSO SOCIAL GROUPS, MINORITY GROUPS
 RO1AA-00622-01 Patterns of alcohol use in rural communities
 PO1DA-01097-01 0004 Center for socio-cultural research on drug use - Health and psychosocial factors in drug behavior
 PO1HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
 PO1HD-05876-03 0030 Center for population research - Demography of the life cycle
 RO1HD-07147-01 Migration and fertility behavior and attitudes
 RO1HD-07397-02 Population study of rural migrants in urban areas
 RO1HD-07598-01 Demographic portrait of Spanish-surnamed Californians
 RO1HD-08497-01 Fertility and assimilation of the foreign-born
 RO1MH-12780-04 Japanese American research project
 RO1MH-16621-05 Social mobility in Philadelphia
 RO1MH-17495-03 Cooperative interracial contact and attitude change
 RO1MH-18060-05 The permanent community sample (human)
 RO1MH-18168-04 Socio-political aspects of internal migration (India)
 RO1MH-19193-04 Behavior growth in rapidly changing institutions (human)
 RO1MH-22249-02 Desegregation and prejudice
 RO1MH-23262-02 Assimilation of Latin American minorities in the US
 RO1MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
 RO1MH-23770-01 White universities' response to black students' entry
 RO1MH-23806-01 Correlates and consequences of ethnicity in the US
 RO1MH-25417-01 Reintegrating the mentally ill in the local community
 RO1MH-25996-01 Unseen community-Marginal urban population

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R03MH-26049-01 Interracial perception and interaction
 ** R01MH-26184-01 Racial and socio-economic pluralism in a new town

SOCIAL ISOLATION-DEPRIVATION

SEE PSYCHOSOCIAL ISOLATION-DEPRIVATION

SOCIAL MOBILITY

SEE SOCIOECONOMICS, SOCIAL MOBILITY

SOCIAL ORGANIZATION

SEE SOCIAL GROUPS, SOCIAL ORGANIZATION

SOCIAL PERCEPTION

SEE PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION

SOCIAL PLANNING, COMMUNITY (REGIONAL) PLANNING

SEE ALSO HEALTH CARE (SERVICES)(RESOURCES)PLANNING, REGIONAL MEDICAL PLANNING

SEE ALSO METROPOLITAN MENTAL HEALTH PROBLEMS REVIEW COMMITTEE

SEE ALSO SOCIAL SERVICES ANALYSIS-EVALUATION-PLANNING

SEE ALSO SOCIOENVIRONMENT, RESIDENCE CHARACTERISTICS, HOUSING

- R18AA-01158-01 Licking County alcoholism prevention program
 R18CA-16404-01 0005 Cancer control development grant - Regional cancer council
 R18CA-16404-01 0007 Cancer control development grant - Library service and information program
 R25DA-00827-01 Pilot demonstration drug training program
 R25DA-00839-01 Open door preventive drug education program
 R01HD-04602-05 Goals and conditions of population control (human)
 P01HD-05876-03 0032 Center for population research - Demographic methodology and formal models
 ** R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
 R01HD-07565-01 Dynamic 'World system' models
 ** R01HD-07629-02 Population-policy linkages in cities and suburbs
 ** R01HD-07645-01 Economic policy in relation to population growth
 ** R01HD-08515-01 Population effects on local expenditures
 R01HD-08567-01 Migration, regional growth and public policy (Mexico)
 M01HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
 N01LM-44732-00 Community hospitals in continuing education of health professionals
 P01MH-13369-07 Program for research in psychiatric sociology
 ** R01MH-16125-06 Family mental health-Diffusing community strategies
 ** R01MH-18646-03 Developmental approach to community change
 ** R01MH-19222-02 Process and impacts of a state hospital closing
 R01MH-22763-01 The incessant community
 R01MH-23011-01 Development of metropolitan growth theory
 ** R01MH-23664-02 Teenage youth in new town setting
 R01MH-24909-01 Trade-off preferences in residential environments
 R01MH-25096-01 Residential mobility and neighborhood change
 R01MH-25484-01 Causal models of small southern city change-1960-70
 ** R01MH-25617-01 Alternative inner city policy
 N01MH-40085-00 Community mental health service planning
 N01MI-44208-00 Health manpower planning seminar package
 ** R02NU-00415-03 Regional program for nursing research and development

SOCIAL PLANNING, MODEL CITIES AND COMMUNITIES

- R25DA-00899-01 Model city drug education program
 ** R01MH-20519-03 Mundelein-HICA early childhood education project
 R01MH-21896-01 Program in generative design
 R01MH-25096-01 Residential mobility and neighborhood change
 R01MH-25484-01 Causal models of small southern city change-1960-70

SOCIAL PROBLEMS

SEE ALSO ALCOHOLISM - DRINKING, ALCOHOLISM

SEE ALSO CHILD ABUSE

SEE ALSO CHILD MENTAL DEVELOPMENT DISORDERS, BEHAVIORAL, JUVENILE DELINQUENCY

SEE ALSO CRIME AND DELINQUENCY REVIEW COMMITTEE

SEE ALSO DRUGS ABUSE

SEE ALSO DRUGS ABUSE, DRUGS ADDICTION

SEE ALSO EDUCATION, STUDENT DROP-OUTS

SEE ALSO FAMILY, ILLEGITIMACY

SEE ALSO PSYCHOLOGY ABNORMAL, SOCIAL BEHAVIOR DISORDERS (GENERAL)

SEE ALSO PSYCHOLOGY ABNORMAL, SOCIOPATHIC PERSONALITY

SEE ALSO PSYCHOLOGY ABNORMAL, SUICIDE

SEE ALSO SOCIAL CONTROL, CRIMINOLOGY

SEE ALSO SOCIAL DISTURBANCES

- R18AA-00088-02 Tulalip alcoholism prevention and rehabilitation
 R18AA-00527-03 New Mexico intertribal council on social problems
 R18AA-00798-02 Ft Yuma Council on Alcoholism and Drug Abuse
 R18AA-00889-02 Support for alcoholism control program
 ** R18AA-01460-01 Apache comprehensive care center (planning)
 ** R01DA-00055-04 Therapeutic explorations with adolescents-Project community
 ** R01DA-01120-01 Vietnam veterans three years later
 ** P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
 P01HD-06268-02 Hopkins population center
 R01HD-07645-01 Economic policy in relation to population growth
 ** R01HD-08031-01 Density and pathology in urban areas
 R01HD-08515-01 Population effects on local expenditures
 P01MH-13369-07 Program for research in psychiatric sociology
 ** R01MH-16437-06 Using computer graphics to study human judgement
 R01MH-18988-02 Helping services used by adoptive and natural parents
 R01MH-19463-03 A monitor service to families of the emotionally ill
 R01MH-20006-04 The dynamics of short run social change (human)
 ** R01MH-21010-03 Strategies for change and knowledge utilization (education)
 ** R03MH-21481-01 Development of youth-directed multi-service center
 R01MH-21708-02 Assessing relevance of indirect services in schools
 ** R01MH-21789-02 Definitional processes in planning social change
 R01MH-21811-01 Human predicaments and human services
 R01MH-22035-01 Ethnic survey program
 R01MH-22090-01 The mental health of Blacks and Asian Americans
 R01MH-22575-01 Divorce, role and health status and service systems
 R01MH-22884-02 Organizational control and social change
 R01MH-22891-02 Crisis intervention by the use of telephone therapy
 R01MH-22915-02 Detection of behavior outbreaks with community data
 R01MH-23538-02 Raman Navajo school social services
 ** R01MH-23543-01 Incarceration in 20th century America
 ** R01MH-23604-02 Self survey of the black community of Topeka, Kansas
 R01MH-23615-02 Earned family income and urban crisis
 R01MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)
 R01MH-23993-01 A study of Asian American communities in Chicago
 R01MH-24014-02 Black families of prisoners
 R01MH-24266-01 Effect of survey question wording on survey results
 R01MH-24884-01 Psychiatric epidemiology in Rhode Island
 ** R12MH-24924-01 Exploration of a social change model
 R01MH-25551-01 Mental health R and D center in black communities
 R01MH-25617-01 Alternative inner city policy
 ** R01MH-26154-01 Economic change and social pathologies in urban area
 N01MH-40002-00 Technical reports on NIMH research programs and projects

SOCIAL PROBLEMS, CULTURAL DEPRIVATION-ENRICHMENT

SEE ALSO EDUCATION, TRAINING LEVEL, EDUCATIONALLY DISADVANTAGED

SEE ALSO SOCIOECONOMICS, INCOME, LOW INCOME GROUPS

- R18AA-00502-01 Community alcoholism services poverty program
 R18AA-00542-02 Cleveland American Indian community alcoholism services
 ** R18AA-00551-01 Comprehensive Indian alcoholism and social services program
 N01DA-40013-00 Study programs of drug abuse treatment to minority children and youths
 P01HD-01136-10 0011 Center for research in human learning - Reading (children)
 ** P01HD-03008-07 0017 Cognition and motivation in the retarded - Evaluation of educational intervention programs
 ** P01HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
 M P01HD-03144-07 Development of culturally deprived children
 P01HD-03144-07 0018 Development of culturally deprived children - Teaching model for training inner-city school personnel and parents

- ** P01HD-03352-07 0033 Wisconsin center on mental retardation - Milwaukee high-risk population laboratory
 ** R01HD-04634-04 Cognitive functions of retarded early adolescents
 ** R01HD-04863-05 Social development after malnutrition in infancy (monkeys)
 R01HD-05354-04 Four preschool programs-Dimension and effects-II
 P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
 R01HD-06650-03 0001 Electrophysiology studies in mental retardation - Sensory evoked response (human)
 R01HD-06666-01 Carolina infant vocalization project
 R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
 ** R01HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
 ** R01HS-00422-05 Ecology of migrant peoples-Mississippi
 ** R01MH-16037-06 Home learning center approach to early stimulation (children)
 ** R01MH-16852-06 Evaluation of project catch-up (human)
 N01MH-20148-00 Minority social seminar teacher training course
 ** R01MH-20372-03 Mental health program for preschool children
 R01MH-20519-03 Mundelein-HICA early childhood education project
 R01MH-21119-02 College success-Task structure and strategy
 R01MH-21423-03 Locus of control and intellectual development (children)
 R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
 R01MH-23884-02 Determinants of mental health (children)
 R01MH-24152-01 Epidemiology of and intervention for children at risk
 ** R01MH-24866-02 Preventive intervention-Isolated Navajo families
 ** N01NU-24326-02 Disadvantaged students in associate degree program
 ** N01PE-44212-00 Basic medical science program for the minority disadvantaged

SOCIAL PROBLEMS, DISASTER

- N01MH-20180-00 Computer assisted instructional system in suicide studies
 ** R03MH-25879-01 Socio-psychological effects of an earthquake
 ** R03MH-26004-01 Silver Valley flood-Social psychological effects
 ** N01MH-30027-00 Mental health services to residents of flood disaster areas
 N01MH-30028-00 Mental health services to residents of flood disaster areas
 ** N01MH-30029-00 Mental health services to residents of flood disaster areas
 ** N01MH-40008-00 Mental health services to flood victims-Pennsylvania

SOCIAL PROBLEMS, WAR-PEACE

- N01CP-43202-00 Atomic bomb casualty commission study
 ** R01DA-01120-01 Vietnam veterans three years later

SOCIAL PROBLEMS RESEARCH REVIEW COMMITTEE

- R01MH-14052-05 System of corrective interventions in a research population (human)
 ** R01MH-16125-06 Family mental health-Diffusing community strategies
 R01MH-16129-05 Impact of outcome information on treatment
 R01MH-16139-02 Architecture and behavior-The mentally impaired aged (human)
 ** R01MH-19585-02 Human aging data file and psychological analysis
 ** R01MH-19687-02 Specialized consultation on programming for the aged
 ** R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
 R01MH-20221-02 Methods to promote growth in marital relationships
 ** R01MH-21139-03 Social class and communication style in marriage
 R01MH-21568-03 Group stress and the use of power
 ** R01MH-21863-02 Relation of suicide to marital separation and divorce
 R01MH-22156-02 The inexpressive male (human)
 ** R01MH-22566-01 Depression and memory function in the aged
 ** R01MH-22575-01 Divorce, role and health status and service systems
 R01MH-22660-01 Effects of aging on housing and living arrangements
 ** R01MH-22742-02 Group work in treatment of adults
 ** R01MH-22799-01 Evaluating marriage counseling intervention strategies
 ** R01MH-22883-02 Role of autotetic experiences in adult development
 R01MH-23030-02 Structure, functions, and impact on urban communities
 R01MH-23262-02 Assimilation of Latin American minorities in the US

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
- ** R01MH-23755-01 Longitudinal study-Intermediate housing for elderly
- ** R01MH-23770-01 White universities' response to black students' entry
- ** R01MH-24159-01 Change agent approaches
- ** R01MH-24216-01 The social effects of divorce and divorce law reform (California)
- ** R01MH-24220-01 Social and cultural dimensions of aging
- ** R01MH-24263-02 The intergenerational transmission of values
- R01MH-24305-02 A typical sex role development in children
- ** R01MH-24594-01 Behavioral communications approach to marital success
- ** R01MH-24754-01 Power and compliance in the family
- ** R01MH-24807-01 Marriage, female roles, and marital disruption
- ** R01MH-24887-01 Attitudes of married women towards work and families
- ** R01MH-25171-01 Sustaining the sick role-A study of labeling
- ** R01MH-25172-01 Preparation for childbirth and family relationships
- ** R01MH-25266-01 Personal well-being and environmental factors
- ** R01MH-25666-01 Training single parent families to problem solve
- ** R01MH-26232-01 Behavioral approach to marital dysfunction

SOCIAL PSYCHOLOGY

SEE PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL...)

SOCIAL SCIENCES RESEARCH REVIEW COMMITTEE

- ** R01MH-02100-17 An analysis of the process of cultural change (Mexico)
- ** R01MH-06275-12 Social and psychological factors in status attainment (human)
- ** R01MH-07705-11 Studies on comparative psycholinguistics
- R01MH-12780-04 Japanese American research project
- R01MH-16950-06 Group decision-making involving risk
- R01MH-16952-05 Interpersonal control processes (human)
- R01MH-17495-03 Cooperative interracial contact and attitude change
- ** R01MH-18168-04 Socio-political aspects of internal migration (India)
- ** R01MH-18762-04 Conditions facilitating successful rendering of help
- ** R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
- ** R01MH-19589-01 Comparative study of communal living arrangements
- R01MH-19712-03 Social change in plural society (Andean Peru)
- R01MH-19864-04 American beliefs about physical and mental illness
- R01MH-20006-04 The dynamics of short run social change (human)
- ** R01MH-20059-02 Neural mechanisms of memory readout (cats)
- ** R01MH-20102-04 Processes of linguistic change (Philippine)
- ** R01MH-20169-03 Antecedents and consequences of perceived freedom (human)
- ** R01MH-20660-03 Physical distance and social interactions (human)
- ** R01MH-20708-03 Prevalence of psychological distress and help-seeking
- ** R01MH-21196-03 Cultural indicators
- ** R01MH-21644-02 Group reaction to a shifting attitudinal deviate
- ** R01MH-21735-03 The behavioral consequences of androgyny (human)
- ** R01MH-21789-02 Definitional processes in planning social change
- ** R01MH-21854-02 Social antecedents of acts of interpersonal violence
- ** R01MH-21929-02 Volunteerism in the lives of women
- ** R01MH-22010-01 Reactions to racism
- R01MH-22012-03 Field research in cognitive anthropology (Peru)
- R01MH-22249-02 Desegregation and prejudice
- R01MH-22294-02 Measuring morale and related concepts
- ** R01MH-22424-02 The causes and consequences of credibility in TV news
- ** R01MH-22743-02 Structural properties of social phenomena
- ** R01MH-22884-02 Organizational control and social change
- ** R01MH-23248-02 Mechanisms of generalized behavior change (human)
- ** R01MH-23467-01 Impact of religious belief on voting behavior
- ** R01MH-23468-01 Women's liberation-Is the definition class-bound?
- ** R01MH-23527-02 Role of similarity in social influence processes
- R01MH-23542-02 Structural origins of sex differences in achievement (England)
- ** R01MH-23543-01 Incarceration in 20th century America

- ** R01MH-23593-01 Changing mass publics of advanced industrial society
- R01MH-23676-02 Employee participation in ownership and management
- ** R01MH-23806-01 Correlates and consequences of ethnicity in the US
- R01MH-24197-02 Social inferences and television effects on children
- ** R01MH-24266-01 Effect of survey question wording on survey results
- R01MH-24340-01 The acquisition of sociolinguistic skills in children
- ** R01MH-24513-01 Long term behavioral effects of TV programs (children)
- R12MH-24522-01 Research committee on television and social behavior
- ** R01MH-24814-01 Attitudes as inferences from one's own behavior
- ** R01MH-25169-01 Cultural variations in cognitive structure
- ** R01MH-25174-01 Multilingualism in a non-literate culture
- ** R01MH-25271-01 Secondary analysis of sex roles data (human)
- ** R01MH-25374-01 Experimental studies in minority influence II (human)
- ** R01MH-25534-01 The ecology of upbringing (human)
- ** R01MH-25536-01 Attributions of social power
- ** R01MH-25585-01 Televised violence and tolerance of aggression
- ** R01MH-25614-01 Linguistic heterogeneity and social function
- ** R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
- ** R01MH-25834-01 Social change in the family and life course

SOCIAL SELF-RELIANCE, DEPENDENCY

- P01HD-03008-07 0007 Cognition and motivation in the retarded - Effects of institutionalization on performance of retarded children
- P01HD-03008-07 0016 Cognition and motivation in the retarded - Developmental theory of psychopathology
- R01MH-08604-11 0007 Psychobiology of maternal behavior - Decline of maternal behavior (rats)
- P01MH-11668-09 0034 Psychosocial factors in health and disease - Psychological adaptation in multiple sclerosis
- ** R01MH-18762-04 Conditions facilitating successful rendering of help
- ** R01MH-22010-01 Reactions to racism

SOCIAL SELF-RELIANCE, INDEPENDENCY

- ** R01HD-02228-08 Family socialization and development competence
- ** P01HD-03352-07 0028 Wisconsin center on mental retardation - Self-maintenance behavior of adult retardates in community
- R01HD-07739-01 Decision making on unplanned pregnancies
- R01HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
- ** P01HS-00110-11 0021 Medical care and patient care research program (human) - Screening the elderly for physical impairment
- ** R01MH-21423-03 Locus of control and intellectual development (children)
- R01MH-23645-02 0001 Behavior-hormone changes in adolescence - Natural environment (chimpanzee)
- ** R01MH-25996-01 Unseen community-Marginal urban population
- ** R01MH-26239-01 Human self regulation
- ** R02NU-00423-02 Nurse autonomy and patient welfare

SOCIAL SELF-RELIANCE, SELF HELP ORGANIZATIONS

- SEE ALSO MENTAL HEALTH ORGANIZATIONS, SELF HELP ORGANIZATIONS
- R18AA-00668-02 Alcohol counseling and recovery program
- R18AA-00835-02 Southern Ute alcoholism program
- R18AA-00954-02 Alcoholic education rehabilitation program
- P01HD-04510-06 0009 Center for research in human development - Home two incorporated
- P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
- ** R01MH-24961-01 Self-help groups as mental health resources
- R01MH-25568-01 Clinical and experimental study of human obesity

SOCIAL SERVICE PSYCHIATRIC

SEE MENTAL HEALTH SERVICES, SOCIAL SERVICE PSYCHOSOCIAL

SOCIAL SERVICE PSYCHOSOCIAL

SEE MENTAL HEALTH SERVICES, SOCIAL SERVICE PSYCHOSOCIAL

SOCIAL SERVICES (GENERAL)

- SEE ALSO CHILD WELFARE
- SEE ALSO HEALTH AND SCIENTIFIC ORGANIZATIONS, VOLUNTARY HEALTH ORGANIZATIONS
- SEE ALSO HEALTH ECONOMICS, FUND RAISING
- SEE ALSO MENTAL HEALTH SERVICES, SOCIAL SERVICE PSYCHOSOCIAL

- ** P02CA-12178-04 0013 Radiotherapy-oncology center - Social service in the department of therapeutic radiology
- ** P02CA-13696-02 0055 Clinical cancer research center - Planning total care of brain tumor patients (human)
- ** P01CA-15936-01 0021 Specialized Cancer Center - Social service staffing
- R01DA-00975-01 Treatment for substance abuse program dropouts
- R01HD-07629-02 Population-policy linkages in cities and suburbs
- P18HL-15157-03 0015 Comprehensive sickle cell disease center - Home care
- ** P18HL-15161-03 0001 Comprehensive sickle cell disease center - Program for provision of medical and social services to sickle cell patients
- P18HL-15170-03 0023 Comprehensive sickle cell disease center - Comprehensive patient care
- R18HS-00321-04 Evaluation-placement of the chronically ill and aged (human)
- R18HS-01059-03 Community care-Chronic disease service module
- R01MH-20639-01 Comparative study of white, black, and spanish groups
- R01MH-22407-02 Intra-urban migration determinants-Boston 1870-1970
- ** N01MH-40031-00 Protection of noninstitutionalized human subjects
- N01MH-40080-00 Chronically mentally ill in prepaid practice programs
- ** N01MH-40086-00 Mental health linkages in social service systems
- ** S01RR-05737-03 General research support grant (Red Cross)

SOCIAL SERVICES, LEGAL AID

- R18AA-01583-01 Alcoholism service delivery project
- ** R18AA-01694-01 Expansion funds for court advocate and staff (American Indians)
- R01MH-24229-01 Berkeley youth alternatives juvenile services program

SOCIAL SERVICES, YOUTH SERVICES

- SEE ALSO MENTAL HEALTH (SERVICES), YOUTH
- ** R18AA-00570-01 Haskell Indian alcohol prevention treatment program
- R18AA-01460-01 Apache comprehensive care center (planning)
- ** R25DA-00856-01 Somerset youth drug abuse training program
- ** R25DA-00892-01 Immigrant social service-Youth program
- R25DA-00977-01 Micosuktee Indian drug education program
- ** N01DA-40013-00 Study programs of drug abuse treatment to minority children and youths
- ** R01MH-24229-01 Berkeley youth alternatives juvenile services program
- ** R01MH-25553-01 Pre college social development program
- ** N01MH-40063-00 Youth runaway program
- ** N01MH-40094-00 Youth runaway program
- ** N01MH-40095-00 Youth runaway program
- ** N01MH-40102-00 Youth runaway program
- ** N01MH-40103-00 Youth runaway program
- ** N01MH-40104-00 Youth runaway program
- ** N01MH-40106-00 Youth runaway program
- ** N01MH-40108-00 Youth runaway program
- ** N01MH-40109-00 Youth runaway program
- ** N01MH-40110-00 Youth runaway program
- ** N01MH-40118-00 Services to runaway youth
- ** N01MH-40119-00 Services to runaway youth
- ** N01MH-40120-00 Services to runaway youth
- ** N01MH-40122-00 Youth runaway program

SOCIAL SERVICES ANALYSIS-EVALUATION-PLANNING

- SEE ALSO HEALTH CARE (SERVICES)(RESOURCES) ANALYSIS AND EVALUATION
- SEE ALSO SOCIAL PLANNING, COMMUNITY (REGIONAL) PLANNING
- R18AA-00402-01 Personnel guidance service
- R18AA-00532-01 Metlakatla Indian community alcoholism services
- R18AA-00570-01 Haskell Indian alcohol prevention treatment program
- R18AA-01704-01 Pikes Peak alcoholism service division
- R18AA-01752-01 Expansion of state occupational alcoholism services
- R18AA-01755-01 NYC corporate headquarters project
- R18AA-01766-01 Occupational alcoholism research and training service
- R18AA-01803-01 Indiana alcohol abuse prevention coordinator project
- R18AA-01810-01 Community alcoholism services poverty program
- R18DA-01104-01 Impact of drug use in families
- P01GM-21054-01 0011 Human genetics center - Genetic counseling in Down's syndrome
- R01MH-19687-02 Specialized consultation on programming for the aged
- N01MH-20065-01 Evaluation of child advocacy projects
- N01MH-40063-00 Youth runaway program
- N01MH-40086-00 Mental health linkages in social service systems

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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(cont'd)

- N01MH-40094-00 Youth runaway program
 N01MH-40095-00 Youth runaway program
 N01MH-40102-00 Youth runaway program
 N01MH-40103-00 Youth runaway program
 N01MH-40104-00 Youth runaway program
 N01MH-40106-00 Youth runaway program
 N01MH-40108-00 Youth runaway program
 N01MH-40109-00 Youth runaway program
 N01MH-40110-00 Youth runaway program
 N01MH-40118-00 Services to runaway youth
 N01MH-40119-00 Services to runaway youth
 N01MH-40120-00 Services to runaway youth
 N01MH-40122-00 Youth runaway program
- SOCIAL SERVICES FOR THE ELDERLY**
 R12MH-23924-01 Maintaining the growing edge (human)
 R01MH-24889-01 Community based program for mentally frail elderly
 ** R01MH-25996-01 Unseen community—Marginal urban population
 N01MH-40086-00 Mental health linkages in social service systems
- SOCIAL SPACE**
 R01HD-07397-02 Population study of rural migrants in urban areas
 R01MH-24047-01 Effect of metropolitan open space on community life
 R01MH-25266-01 Personal well-being and environmental factors
- SOCIAL SPACE, CROWDING**
 ** R01HD-08546-01 Crowding and development of spatial behavior (adults, children)
 ** P01HL-06349-13 0011 Cardiovascular disease clinical program project - Pharmacodynamics—Behavioral response to adrenergic amines (rats, mice)
 ** R01HL-15027-01 Hemodynamics of psychosocial-stress hypertension (rats)
 R01MH-15976-05 0001 Stress and mechanisms of immunity - Cellular and humoral aspects of antibody formation and graft vs host response (r
 R01MH-16345-06 Ecology and evolution of altruism (jays)
 R01MH-18565-04 Comparative study of social organization (damsel fish)
 ** R01MH-20660-03 Physical distance and social interactions (human)
 ** R01MH-26098-01 Stress, crowding and blood pressure in prison
- SOCIAL SPACE, TERRITORIALITY**
 P01HD-08338-01 0002 Control of male reproduction - Social structure and population growth in house mice
 ** R01MH-14076-07 Territoriality and social interaction (rodents, rabbits, marmoset)
 R01MH-18565-04 Comparative study of social organization (damsel fish)
 R01MH-22316-02 Comparative study of social behavior (birds)
 R01MH-24795-01 Household settings—Life styles and mental health
 ** R03MH-25425-01 Neuropsychology of territorial behavior (gerbils)
- SOCIAL STATUS**
 SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, SOCIAL STATUS
- SOCIAL WORK PSYCHIATRIC**
 SEE MENTAL HEALTH SERVICES, SOCIAL SERVICE PSYCHOSOCIAL
- SOCIALIZATION**
 SEE ALSO CHILD MENTAL DEVELOPMENT
 SEE ALSO PSYCHOLOGY, PERSONALITY DEVELOPMENT
 R01DA-00407-02 Drug rehabilitation—Counter-culture religious cults
 ** R18DA-01103-01 Ethnicity, socialization and multiple drug use
 ** R01HD-02228-08 Family socialization and development competence
 P01HD-03008-07 0019 Cognition and motivation in the retarded - Strength of 'disadvantaged' children
 M P01HD-05027-05 Developmental psychology
 P01HD-05027-05 0010 Developmental psychology - Teaching techniques
 ** P01HD-05027-05 0018 Developmental psychology - Infant social development
 R01HD-07351-02 Determinants of sexual performance in the rat
 R01HD-07907-01 Growing up as a mentally subnormal young person (Aberdeen, Scotland)
 R01MH-05162-12 Analysis of vicarious psychological processes (human)
 R01MH-15606-07 Adaptive behavior in varied high school environments
 R01MH-20214-04 Parent education program in the pediatric clinic
 R01MH-22719-03 Native American children—The urban way
 R01MH-23248-02 Mechanisms of generalized behavior change (human)
 R01MH-23664-02 Teenage youth in new town setting
 R01MH-25374-01 Experimental studies in minority influence II (human)
 ** R01MH-25534-01 The ecology of upbringing (human)
 R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 R03MH-25771-01 Relationship between mythology and mental illness (Philippines)
 R03MH-26180-01 Father's work, family relations, and career choice
 R02WJ-00500-01 Research facilitation project
 R02WJ-00505-01 Reality shock and conflict resolution in neophyte nurses
- SOCIETIES, HEALTH AND SCIENTIFIC**
 SEE HEALTH AND SCIENTIFIC ORGANIZATIONS
- SOCIOCULTURE**
 SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE
- SOCIOECONOMICS**
 SEE ALSO EDUCATION, COSTS-FINANCING (GENERAL)
 SEE ALSO ENVIRONMENTAL HEALTH ECONOMICS
 SEE ALSO HEALTH ECONOMICS
 SEE ALSO HEALTH INSURANCE
 SEE ALSO OCCUPATIONS
 R01AA-00275-04 Longitudinal study of changes in drinking problems (human)
 R01AA-00380-02 Women and alcohol
 R18AA-00493-02 Problem drinking of urban Indians
 R18AA-00535-03 Upper Tanana region alcohol and drug program
 R18AA-00544-03 American Indian Services, Inc. social services program
 ** R18AA-00551-01 Comprehensive Indian alcoholism and social services program
 R01AA-00622-01 Patterns of alcohol use in rural communities
 R01AA-00688-01 Alcohol use during pregnancy and pregnancy outcome (human)
 N01AA-10115-07 Monitoring operation of 10 alcoholic treatment centers
 N01AA-30039-00 Study on interactions of alcoholism with cancer
 N01AA-30110-00 Contexts of drinking of alcohol (human)
 N01AA-30113-00 Relationships between alcohol consumption and heart disease
 N01AA-40031-00 Alcoholism treatment program for health maintenance organization
 R22AM-16206-02 Malnutrition, infection, and human leukocyte metabolism
 ** P02CA-12197-03 0020 Multidisciplinary oncology research center - Socio-economic problems in designing cancer studies and care
 P01CA-12707-03 0002 Cancer epidemiology program grant - Cervix cancer (human)
 P02CA-13696-02 0055 Clinical cancer research center - Planning total care of brain tumor patients (human)
 P02CA-13696-02 0069 Clinical cancer research center - Environment and cancer mortality in New York (human, animals)
 R26CA-14135-02 Immunology of bladder tumors (human, rats)
 P02CA-15083-01 0012 Cancer Center Support Grant—Mayo Foundation - Management of pediatric cancer
 R01DA-00140-02 Psychosocial effects of chronic marijuana use (human)
 R01DA-00974-01 Psychosocial study of Qat use in North Yemen
 ** P01DA-01097-01 0001 Center for socio-cultural research on drug use - Ethnic/class influence on drug use
 P02DE-02172-10 0005 Oral-facial communicative disorders - Psychology and sociology (human)
 R01HD-03002-07 Fertility and family planning in Taiwan (human)
 P01HD-03110-07 0006 Child development and mental retardation - Infant stimulation program
 P01HD-03110-07 0037 Child development and mental retardation - Mental retardation
 R01HD-04602-05 Goals and conditions of population control (human)
 R01HD-05255-03 Pre-adult fertility and family formation (young women)
 R01HD-05427-03 Rural fertility decline in Northern America (US, Canada)
 R01HD-05585-03 Studies in population change (USSR)
 ** P01HD-05798-01 0001 Center for population research award - Economic studies
 R01HD-05853-03 Pregnancy, birth control and abortion (human)
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
 P01HD-05941-03 0001 Human development and aging - Longitudinal study of transitions
 R01HD-06110-03 Urbanization, life style and fertility (Italy, US)
 R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
 R01HD-06281-03 Change of attitudes toward population policy issues
 R01HD-06669-02 Genetic and environmental bases of human cognition
 R01HD-06721-03 Conditions of variation and change in fertility (Israel)
 R01HD-06751-02 Epidemiology of mental retardation—A national study (Netherlands)
 R01HD-06774-01 Malnutrition and psychologic development (Boyota, Colombia)
 ** R01HD-06966-02 Systems study of population and economic change (US, Japan)
 R01HD-07093-02 Effect of labor market on birth and marriage rates
 R01HD-07134-02 Variations in postnatal ossification sequence
 R01HD-07161-02 Microeconomic analysis of human fertility behavior
 P01HD-07256-03 0005 Child health and development studies - Infant mortality (human)
 P01HD-07256-03 0006 Child health and development studies - Usage of medical care (human)
 P01HD-07256-03 0009 Child health and development studies - Developmental data on 5-year-old and 9-11-year old children
 ** R01HD-07394-01 Efficiency aspects of the distribution of US city sizes
 ** R01HD-07410-02 Economic determinants of population distribution (San Francisco)
 ** R01HD-07552-02 Economic study of fertility decline in postwar Japan
 ** R01HD-07599-01 Occupation and the economic determinants of fertility
 ** R01HD-07645-01 Economic policy in relation to population growth
 R01HD-07682-02 Differential fertility in the United States, 1960-1970
 ** R01HD-07914-01 Population and kinship in Neckarhausen 1500-1870
 R01HD-08163-01 Systems model of human fertility
 ** R01HD-08251-01 Land inheritance and birth rate among European peasants (Austria)
 R01HD-08276-01 The value of children in the US
 R01HD-08287-01 The value of children in the USA
 R01HD-08524-01 Family planning program and fertility in UP, India
 R01HD-08952-01 Locus of control, aspiration and competence in children
 N01HD-12141-02 Study fertility in Poland and the USSR
 N01HD-12215-04 Growth of Mexican-American families
 N01HD-12299-10 Study cervical cytology in contraceptive users
 N01HD-22033-02 Correlates of family size and child spacing in the United States and Puerto Rico
 ** N01HD-42805-00 Economic and environmental consequences of population change
 N01HD-42806-00 Consequences of metropolitan population stability or decline
 N01HD-42854-00 Economic, age structure and sex role in American natality trends
 N01HD-42855-00 Fertility trends in the US—1917-1972
 N01HD-42856-00 Fertility change after baby boom
 P01HL-08974-10 0003 Natural and experimental atherosclerosis - Lipids of atherosclerotic lesions (human)
 P01HL-09814-09 0014 Research program—Cardiovascular and related disease - Nutrition studies (human)
 ** P18HL-15160-03 0007 Comprehensive sickle cell disease center - Socioeconomic aspects of sickle cell disease
 P18HL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)
 R01HL-15174-03 CV disease epidemiology—Second generation studies (human)
 P18HL-15997-02 0001 A comprehensive hospital-community sickle cell center - Education
 N01HR-22944-02 Host factors as determinants of chronic obstructive pulmonary disease (human)
 P01HS-00080-09 0002 Health administration studies - Patterns of utilization
 P01HS-00110-11 0005 Medical care and patient care research program (human) - Review of planning methods
 ** P01HS-00110-11 0021 Medical care and patient care research program (human) - Screening the elderly for physical impairment
 ** P01HS-00110-11 0027 Medical care and patient care research program (human) - Levels of health and socio-economic strata
 P16HS-00471-06 0015 Health services research center - Health maintenance organizations and development of information system
 ** P16HS-00472-06 0006 Health services research center - Perinatal mortality and occupation of father
 ** R01HS-01329-01 Economic determinants of ambulatory care use
 R21HS-01565-02 The informative process in medical care (human)
 R21HS-01585-01 Northwestern University Medical School clinic
 ** R01HS-01623-01 Family investment in child health
 R01HS-01653-01 Analysis of utilization of a comprehensive HMO
 R01MH-02100-17 An analysis of the process of cultural change (Mexico)

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(cont'd)

- ** P01MH-08667-10 0005 A longitudinal epidemiology of impaired competence - Baseline arousal (human)
 - P01MH-08667-10 0015 A longitudinal epidemiology of impaired competence - Riverside community study--Retardates
 - R01MH-08957-10 Early drug evaluation in neurotic outpatients
 - R01MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
 - R01MH-15521-06 Problem solving behavior of family groups (human)
 - R01MH-15606-07 Adaptive behavior in varied high school environments
 - R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 - R01MH-19222-02 Process and impacts of a state hospital closing
 - R01MH-20221-02 Methods to promote growth in marital relationships
 - ** R01MH-20639-01 Comparative study of white, black, and spanish groups
 - R01MH-21204-02 Comparative historical study of urban public order
 - R01MH-22012-03 Field research in cognitive anthropology (Peru)
 - R01MH-22995-02 Environment and experience--Children in home/day care
 - ** R01MH-23011-01 Development of metropolitan growth theory
 - R01MH-23125-02 Supportive resources for black adolescent aspiration
 - ** R01MH-23604-02 Self survey of the black community of Topeka, Kansas
 - R01MH-23806-01 Correlates and consequences of ethnicity in the US
 - R01MH-23993-01 A study of Asian American communities in Chicago
 - R01MH-24189-01 Epidemiology--Mania, depression and schizophrenia
 - ** R03MH-24392-01 Local-level effects of 'modernization' (human)
 - R03MH-24668-01 Cross-cultural study of decision making
 - ** R01MH-24862-01 The economy in urban working class communities
 - R01MH-24902-01 Evaluative study of callers to a crisis hotline
 - R03MH-25053-01 Lay conceptions of people who need mental health care
 - R01MH-25244-01 Ethnicity and community in an urban metropolis
 - R01MH-25271-01 Secondary analysis of sex roles data (human)
 - ** R01MH-25292-01 Municipal employee unions--Impact on service delivery
 - ** R01MH-25484-01 Causal models of small southern city change--1960-70
 - ** R03MH-25793-01 Socio-economic factors in emerging entrepreneurship
 - ** R01MH-25834-01 Social change in the family and life course
 - R01MH-25860-01 Social predictors of American mobility 1875-1915
 - R03MH-25881-01 Comparative analysis of rates of violent crimes
 - ** R01MH-26154-01 Economic change and social pathologies in urban area
 - ** R01MH-26184-01 Racial and socio-economic pluralism in a new town
 - ** N01MH-40054-00 An economic perspective on crime prevention and control
 - N01MH-40056-00 Survey of child abuse and neglect service programs
 - N01MH-40118-00 Services to runaway youth
 - N01MH-40119-00 Services to runaway youth
 - N01MH-40120-00 Services to runaway youth
 - N01MH-40122-00 Youth runaway program
 - ** P01NS-03364-12 0033 Neurological research center in cerebrovascular disease - Prognosis and socioeconomic impact of stroke (human)
 - P01NS-04053-12 0015 Epilepsy - Seizure clinic--Social service
 - P01NS-06229-09 0008 Cerebrovascular diseases program - Mortality from cerebrovascular disease in veterans
 - N0100-42152-00 Economic return to training in bioscience
 - R010H-00362-09 Death rates among Italian railroad employees
 - N01RR-00865-01 0025 General clinical research center - Childhood risk factors--Relation to atherosclerosis
- SOCIOECONOMICS, FINANCING ORGANIZED**
SEE ALSO HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING
- SEE ALSO HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING, MEDICAL INDIGENCY
- SEE ALSO HEALTH INSURANCE
- R01HD-08515-01 Population effects on local expenditures
 - N01LM-44705-00 Management assistance for the medical interactive television network
 - R01MH-22407-02 Intra-urban migration determinants--Boston 1870-1970
 - ** R03MH-25565-01 Economics of criminal behavior

- SOCIOECONOMICS, FINANCING ORGANIZED, INCOME INSURANCE**
- ** R01MH-25323-01 How policymakers and urban public see social security
- SOCIOECONOMICS, FINANCING ORGANIZED, INCOME MAINTENANCE**
- P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
 - R21HS-01465-01 Financing health care through private capital markets
 - ** R01MH-26105-01 Irregular economy--Urban adaptation to unemployment
- SOCIOECONOMICS, FINANCING ORGANIZED, PUBLIC ASSISTANCE (GENERAL)**
- ** R01HD-07144-01 Fertility and child development impact of AFDC
- SOCIOECONOMICS, INCOME**
SEE ALSO SOCIOECONOMICS, FINANCING ORGANIZED, INCOME INSURANCE
- SEE ALSO SOCIOECONOMICS, FINANCING ORGANIZED, INCOME MAINTENANCE
- R01DA-01028-01 Relationship between drug addiction and crime
 - P01HD-05876-03 0030 Center for population research - Demography of the life cycle
 - ** R01HD-05985-01 Cycles in fertility, mortality and economic conditions (US, Sweden, Britain)
 - R01HD-07396-02 Household formation, fertility, and market activity
 - R01HD-07532-01 Fertility effect of income on various birth orders
 - R01HD-07565-01 Dynamic 'World system' models
 - ** R01HD-07619-01 Children and inheritance of wealth
 - R01HD-07645-01 Economic policy in relation to population growth
 - R01HD-07957-01 Fertility and achievement of women college graduates
 - R01HD-07993-01 Fertility and labor force patterns in U S women
 - ** R01HD-08112-01 Socioeconomic determinants of US post-war natality
 - R01HD-08567-01 Migration, regional growth and public policy (Mexico)
 - R01HD-08586-01 Population dynamics in preindustrial England
 - P01MH-13002-06 0027 Clinical and laboratory studies of affective disorder - Depression in women physicians and PhD controls
 - R01MH-16821-05 Social mobility in Philadelphia
 - R01MH-22575-01 Divorce, role and health status and service systems
 - R01MH-23615-02 Earned family income and urban crisis
 - R01MH-24216-01 The social effects of divorce and divorce law reform (California)
 - R01MH-24909-01 Trade-off preferences in residential environments
- SOCIOECONOMICS, INCOME, LOW INCOME GROUPS**
SEE ALSO HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING, MEDICAL INDIGENCY
- SEE ALSO SOCIAL PROBLEMS, CULTURAL DEPRIVATION-ENRICHMENT
- SEE ALSO SOCIOENVIRONMENT, URBAN POVERTY AREAS
- ** R18AA-00916-02 Community alcoholism services poverty program
 - ** R18AA-00049-02 Community alcoholism services poverty program
 - ** R18AA-00053-02 East central task force on alcoholism
 - ** R18AA-00055-02 Community alcoholism services, poverty program
 - ** R18AA-00059-02 Alcohol and recovery program
 - R18AA-00062-02 Cranston community action alcoholism program
 - R18AA-00063-01 Alcoholism outreach program in Fairfax County, Virginia
 - R18AA-00063-02 Alcoholism outreach program in Fairfax County, Virginia
 - ** R18AA-00067-01 Rural poverty community alcoholism services program
 - ** R18AA-00079-02 Community alcoholism services, poverty program
 - R18AA-00080-02 Alcoholism rehabilitation services
 - R18AA-00063-02 Alcoholism counseling program
 - R18AA-00087-02 Community alcoholism services poverty program
 - ** R18AA-00097-02 Community alcoholism services poverty program--Missouri
 - ** R18AA-00100-02 Community alcoholism services poverty program
 - ** R18AA-00106-02 Community alcoholism services poverty program
 - R18AA-00361-02 C and ROP alcoholism program
 - R18AA-00434-03 Alcoholism outreach and follow-up project (El Paso)
 - ** R18AA-00502-01 Community alcoholism services poverty program
 - R18AA-00511-02 Community alcoholism program

- R18AA-00608-02 Community alcoholism services poverty program
- R18AA-00609-02 Alcoholism rehabilitation
- R18AA-00613-02 Community alcoholism services poverty program
- ** R18AA-00616-02 Eastern Montana alcoholism program
- ** R18AA-00619-02 Waldo-Knox alcoholism counseling and recovery program
- R18AA-00620-02 Tri-county aid to alcoholics project (tri-county AAP)
- R18AA-00621-02 Alcoholism project
- ** R18AA-00624-02 Alcoholism, counseling and treatment
- R18AA-00651-02 Community alcoholism services poverty program
- R18AA-00652-02 Poverty alcoholism program
- R18AA-00608-02 Alcohol counseling and recovery program
- ** R18AA-00692-02 Community alcoholism services poverty program
- ** R18AA-00993-02 Community Alcoholism Services Poverty Program
- ** R18AA-00695-02 NCAC Alcohol Program
- ** R18AA-00696-02 Community alcoholism services poverty program
- ** R18AA-00710-02 Community alcoholism services poverty program
- ** R18AA-00713-02 Community alcoholism service poverty program
- ** R18AA-00714-02 Alcohol recovery program
- ** R18AA-00716-02 Community alcoholism rehabilitation and education program
- R18AA-00717-02 Rocky Boy alcoholism program
- ** R18AA-00718-02 Community action committee alcohol rehabilitation program
- ** R18AA-00720-02 Progressive community club, Inc.
- ** R18AA-00727-02 Community Alcoholism Services Poverty Program
- R18AA-00734-01 Community alcoholism services in low income areas
- R18AA-00739-02 Operation newstart (human)
- ** R18AA-00741-02 Community alcoholism services poverty program
- R18AA-00742-02 Community action program on alcoholism (CAPA)
- ** R18AA-00743-02 New York City Community Development Agency alcoholism information depots
- ** R18AA-00744-02 Alcoholic incentive ladder program
- R18AA-00803-02 Alcoholism counseling and recovery program
- ** R18AA-00822-01 Community alcoholism services poverty program
- R18AA-00834-02 Children of alcoholics
- R18AA-00825-02 Community alcoholism services poverty program
- ** R18AA-00826-02 Community alcoholism services poverty program
- ** R18AA-00827-02 Community alcoholism services poverty program
- R18AA-00828-02 Alcoholism counseling and recovery program
- ** R18AA-00829-02 Alcoholic rehabilitation program (action)
- ** R18AA-00831-02 Garrett County Alcoholism Services
- ** R18AA-00834-02 Alcoholism counseling and recovery
- R18AA-00837-02 Alcoholism rehabilitation project
- ** R18AA-00838-02 Cambridge Economic Opportunity Committee community alcoholism program
- R18AA-00942-01 Mercer alcoholism program
- R18AA-00843-02 Community agency serving alcoholics
- R18AA-00863-02 Comprehensive alcoholism recovery program
- ** R18AA-00864-02 Community action council alcoholism program
- R18AA-00866-02 Community alcoholism services poverty program
- R18AA-00871-02 Alcoholism and family counseling
- R18AA-00872-02 Alcoholism counseling and recovery program
- ** R18AA-00803-02 Community alcoholism service poverty program
- ** R18AA-00884-02 SRCAA community alcoholism services poverty program
- ** R18AA-00885-02 Community alcoholism service poverty program
- ** R18AA-00889-02 Support for alcoholism control program
- ** R18AA-00890-02 Vermilion County community action agency
- ** R18AA-00907-02 Alcoholic counseling and recovery program
- ** R18AA-00018-01 Mid-delta alcoholism services for the poor
- ** R18AA-00923-02 Little Crow alcoholic counseling and referral program
- ** R18AA-00926-02 Community alcoholism services poverty program
- ** R18AA-00928-02 Inner city council on alcoholism
- ** R18AA-00029-02 Community alcoholism services poverty program
- ** R18AA-00932-02 Northeast Kansas alcoholism poverty program
- ** R18AA-00934-02 City of Phoenix--Family alcoholism project (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

R18AA-00954-02	Alcoholic education rehabilitation program	R18AA-01487-01	Columbia Point alcoholism program	** R01HD-08393-01	Patterning of cognitive skills in bilingual children
** R18AA-00955-02	Burlington County alcoholism program and center	R18AA-01507-01	Alcohol counseling and education	** N01HD-32715-02	Final survey to complete family planning evaluation project
** R18AA-00983-02	Alcoholism counseling program	R18AA-01574-01	Bowery residents' committee ambulatory drop-in center	N01HD-32722-01	Evaluating the demographic impact of organized family planning programs
R18AA-00984-02	Multi-service alcohol treatment program	R18AA-01619-01	Comprehensive rural alcoholism program	R01HL-13329-04	Stress and heredity factors related to blood pressure (human)
R18AA-00990-02	Support for alcoholism control program	R18AA-01645-01	Alcoholism outreach counselors	R25HL-16959-01	Hypertension education in a low income community
** R18AA-01025-02	Alcoholism rehabilitation	** R18AA-01675-01	Rockland County comprehensive alcoholism service programs	** R01HS-00209-05	Poverty and non-poverty groups in multiphasic screening (human)
** R18AA-01027-02	Community alcohol service poverty program	** R18AA-01771-01	Community poverty alcoholism rehabilitation program	R18HS-00218-04	Community based primary health care
R18AA-01031-02	Support for alcoholism control program	** R18AA-01787-01	Community alcoholism services poverty program	R01HS-00469-06	Effects of Medicare on physician utilization
R18AA-01040-02	Alcoholism Outreach Program	N01AA-40028-00	Monitoring system in NIAAA funded poverty projects	R18HS-00588-04	Cost effect and potential of a new maternal-infant health care team
R18AA-01045-02	Community alcoholism services	R01AI-11611-01	Clinical virology of Epstein-Barr virus infections (human)	** P01HS-00620-04 0006	Multiple effects of alternative health care services - Study of unmet needs
R18AA-01046-02	Community alcoholic rehabilitation program	** P01CA-11535-05	Social epidemiology in prevention of cancer (human)	P01HS-00620-04 0008	Multiple effects of alternative health care services - Consumer evaluation study
R18AA-01047-02	Division of neighborhood services (human)	N01CN-45074-00	Expansion Connecticut's cervical cancer screening program	R18HS-00886-03	Primex demonstration project proposal
R18AA-01049-02	Support for alcoholism control program	N01CN-45076-00	Cervical cancer screening program (human)	R01HS-00903-03	The effects of medically orientated housing
R18AA-01050-01	Community alcoholism services poverty program	N01CN-45077-00	Expansion of Oklahoma's cervical cancer screening program	** R21HS-01036-02	Perinatal mortality and health services productivity
R18AA-01055-02	Makah alcoholism program	N01CN-45078-00	Cervical cancer screening program (human)	R01MH-04618-12	Psychotherapy of psychiatric outpatients
R18AA-01057-02	Alcohol counseling program	N01CN-45079-00	Ohio Department of Health cervical cancer screening program	R01MH-08958-10	Early drug evaluation in neurotic outpatients
** R18AA-01058-01	Community alcoholism services-Poverty program	N01CN-45080-00	Louisiana state cervical cancer screening program	R01MH-16621-05	Social mobility in Philadelphia
R18AA-01060-02	Trenton alcoholism program (human)	N01CN-45081-00	Nebraska state cervical cancer screening program	R01MH-16631-05	Drug and family therapy in depressed outpatients
** R18AA-01063-02	Community alcoholism services poverty program (human)	N01CN-45083-00	Expansion of Kentucky cervical cancer screening program	R01MH-18051-04	Aging and the use of community resources (human)
R18AA-01067-02	Alcoholic rehabilitation program (human)	N01CN-45084-00	Expansion of South Carolina's cervical cancer screening program	R01MH-18260-05	Psychiatric impairment in urban children over time
R18AA-01068-02	Community alcoholism services and poverty program	N01CN-45085-00	Establishing a Tennessee cervical cancer screening program	R01MH-18471-04	Verbal interaction project (human)
** R18AA-01070-02	OCCSA Aik Rehab Project	N01CN-45086-00	Expansion Mississippi's cervical cancer screening program	** R01MH-18542-04	Community-controlled sanctions in an urban poverty area
R18AA-01073-02	Support for alcoholism control program	N01CN-45091-00	Expansion of New York's cervical cancer screening program	R01MH-18646-03	Developmental approach to community change
** R18AA-01131-02	Orange County poverty alcoholism proposal	N01CN-45103-00	Cervical cancer screening program (human)	** R01MH-20214-04	Parent education program in the pediatric clinic
** R18AA-01133-02	Alcoholic information and referral services	N01CN-45104-00	Planning for a cervical cancer screening program	R01MH-20312-03	Demonstration project for urban adolescent parents
** R18AA-01136-02	Demonstration project for alcoholism prevention	N01CN-45105-00	Planning for a cervical cancer screening program	R01MH-20372-03	Mental health program for preschool children
** R18AA-01137-01	Community alcoholism program	N01CN-45106-00	Planning for a cervical cancer screening center	R01MH-20519-03	Mundelein-HICA early childhood education project
** R18AA-01138-01	Alcoholism services center	N01CN-45107-00	Planning for a cervical cancer screening program	** R01MH-20639-01	Cooperative study of white, black, and spanish groups
** R18AA-01140-02	Community Alcoholism Services Poverty Program	N01CN-45108-00	Planning for a cervical cancer screening program	R01MH-20743-03	The child's creative learning space
** R18AA-01145-02	Anti-alcoholism program	N01CN-45109-00	Planning for a cervical cancer screening center	** R01MH-20764-03	From need to service-A health center as gatekeeper (human)
** R18AA-01151-01	Low income component of Spokane alcohol service system	N01CN-45110-00	Planning for a cervical cancer screening program	R01MH-21146-03	Stepfathers and the mental health of their children
R18AA-01154-02	United Planning Organization community alcoholism services	R01DA-01053-01	Community variations in Chicano ex-addict adaptations	R01MH-21415-01	Mental health and poor families communications
** R18AA-01155-02	Area alcoholism poverty program	P01GM-10402-12 0019	Zoophysiology in Alaska - Marine mammals by coastal residents (human, seals, whales)	R01MH-22370-02	School intervention program
** R18AA-01156-01	Economic opportunity agency of Pulaski Co alcoholism program	P01HD-00668-16 0008	Aging and the aged - Physical, psychological, and social effects of aging (human)	R01MH-22407-02	Intra-urban migration determinants-- Boston 1870-1970
R18AA-01158-01	Licking County alcoholism prevention program	P01HD-03008-07 0018	Cognition and motivation in the retarded - Motivational factors influencing performance in tasks with adult examiners	R01MH-22560-01	Parent training in preprimary behavioral competence
** R18AA-01163-01	Alcoholic counselling and recovery program	P01HD-03008-07 0019	Cognition and motivation in the retarded - Strength of 'disadvantaged' children	R01MH-22590-02	Impact of instruction and counseling of youth
** R18AA-01166-01	Southwestern Wisconsin alcoholism program	P01HD-03110-07 0023	Child development and mental retardation - Longitudinal study on evaluation of infants	R01MH-22682-03	Demonstration-Mental Health Program-- Jr High Schools
R18AA-01169-01	J.C.E.O.C. alcoholism community action program	P01HD-03144-07 0018	Development of culturally deprived children - Teaching model for training inner-city school personnel and parents	R01MH-22799-01	Evaluating marriage counseling intervention strategies
R18AA-01170-02	Community alcoholism services poverty program	P01HD-03352-07 0030	Wisconsin center on mental retardation - Family process and school achievement	R01MH-22808-02	Legislative change and rural/urban MH delivery systems
R18AA-01176-02	Community alcoholism services poverty program (human)	P01HD-03352-07 0033	Wisconsin center on mental retardation - Milwaukee high-risk population laboratory	R01MH-22891-02	Crisis intervention by the use of telephone therapy
** R18AA-01177-01	South County alcoholism information and referral center	R22HD-03942-07	Nutrition and development of children in rural areas (Mexico)	R01MH-22922-02	The psychiatric outpatient as a customer
R18AA-01181-01	CEO alcoholism program	P01HD-04299-05	Intervention and mental health of infants	** R01MH-22929-02	Suburban realtors and the politics of suburban housing
** R18AA-01184-01	Alcoholism counseling and recovery program	P01HD-04510-06 0006	Center for research in human development - Research alliance with HWCR institute in Jerusalem (human)	R01MH-23543-01	Incarceration in 20th century America
R18AA-01192-01	Inner-city alcohol recovery and rehabilitation project	P01HD-04612-06 0025	Mental retardation research center - Development of cognitive competence in ethnic populations	** R01MH-23615-02	Earned family income and urban crisis
** R18AA-01201-02	Support for alcoholism control program	P01HD-05876-03 0030	Center for population research - Demography of the life cycle	R01MH-23814-02	Tenant organizations--Mobilization and consequences
** R18AA-01206-01	Community alcoholism services poverty program	R01HD-06666-01	Carolina infant vocalization project	R01MH-23903-02	Early patterns of cognitive development
** R18AA-01211-01	Alcoholism prevention and treatment project	R01HD-07144-01	Fertility and child development impact of AFDC	R01MH-24005-02	Effects of evaluation on infant cognitive development
R18AA-01221-01	Community alcoholism services poverty program	R01HD-07186-01	Economic and non-economic determinants of migration	R01MH-24454-01	Black language-A moderator variable in intelligence
** R18AA-01223-01	Community alcoholism services-Poverty program	** R01HD-07188-01	Ethnography of poor black women	R01MH-24817-01	Human development model for mental health services
** R18AA-01234-01	Anchorage social development center project	** R01HD-07397-02	Population study of rural migrants in urban areas	R01MH-24866-02	Preventive intervention--Isolated Navajo families
R18AA-01235-01	Alcoholism counseling and recovery program	R01HD-07924-01	The relationship of infant growth to adolescent obesity (human)	R13MH-25786-01	Misconsultation on the mental and physical health of black women
** R18AA-01237-02	Community alcoholism services poverty program			** R01MH-25996-01	Unseen community--Marginal urban population
R18AA-01241-01	Community alcoholism services poverty program			** R01MH-26105-01	Irregular economy--Urban adaptation to unemployment
** R18AA-01246-01	Community alcoholism poverty program			R01MH-26207-01	Behavioral analysis & modification in a community mental health center
R18AA-01247-01	Community alcoholism services poverty program			** R21HU-00370-04	Nursing with chronically ill psychiatric outpatients (human)
** R18AA-01267-01	Community alcoholism service poverty program			M01RR-00069-12 0050	General clinical research center, children - Zinc deficiency in the growing child
R18AA-01269-01	Community Alcoholism Services Poverty Program				
** R18AA-01383-01	Alcohol counseling and recovery programs				
** R18AA-01394-01	Dena Ana alcoholism treatment program				
R18AA-01406-01	Alcoholism information and referral center, Inc.				
** R18AA-01477-01	Community alcoholism services poverty program				

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 M Grant has subprojects describing specific research aspects.

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(cont'd)

MOIRR-00633-02 0052 General clinical research center - Pregnancy wastage and maternal folate metabolism (human)

SOCIOECONOMICS, SOCIAL CLASS
SEE ALSO SOCIOECONOMICS, INCOME, LOW INCOME GROUPS
R01AM-16235-01 Bone and tissue growth in children
P17AM-17046-01 0005 Diabetes endocrinology center - Psychosocial and behavioral studies in newly diagnosed diabetics
R01DA-00097-03 Childrens drug use-Educational and other correlates
P01DA-01080-01 Psychosocial investigation of drug abuse in industry
** P01DA-01097-01 0001 Center for socio-cultural research on drug use - Ethnic/class influence on drug use
** P01DA-01097-01 0014 Center for socio-cultural research on drug use - Anthropological studies
** R18DA-01103-01 Ethnicity, socialization and multiple drug use
N01DE-22415-01 Dental plaque indicators (human)
P01HD-02274-08 0036 Mental retardation and child development - Mother-child interaction
P01HD-03008-07 0017 Cognition and motivation in the retarded - Evaluation of educational intervention programs
P01HD-03693-06 0002 Pathogenesis of chronic infections - Maternal health and epidemiology (human)
** R01HD-03869-06 Elaborative learning process in adolescence
R01HD-05354-04 Four preschool programs-Dimension and effects-II
P01HD-05876-03 0030 Center for population research - Demography of the life cycle
R01HD-06911-02 Population density and human behavior in Chicago
R01HD-07200-01 Heritability and mental development
R01HD-07397-02 Population study of rural migrants in urban areas
R01HD-07619-01 Children and inheritance of wealth
N01HD-22703-05 Psychological studies of social norms influencing family size
R01HS-01189-02 Help-seeking experiences and agency characteristics
R01LM-01539-02 Mortality and the medical treatment of slaves
R01MH-06275-12 Social and psychological factors in status attainment (human)
R01MH-10328-10 Measurement of untreated psychiatric disorder
P01MH-13002-06 0001 Clinical and laboratory studies of affective disorder - Social effectiveness
P01MH-13002-06 0021 Clinical and laboratory studies of affective disorder - Follow-up of university psychiatric patients
R01MH-15708-05 Leisure and mental health-Cultural and age factors
R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
** R01MH-17654-04 Patient profiles and differential response to drugs
R01MH-18168-04 Socio-political aspects of internal migration (India)
R01MH-18260-05 Psychiatric impairment in urban children over time
R01MH-18988-02 Helping services used by adoptive and natural parents
** R01MH-19069-04 Social class differences in community behavior (human)
R01MH-19193-04 Behavior growth in rapidly changing institutions (human)
R01MH-20169-03 Antecedents and consequences of perceived freedom (human)
** R01MH-21139-03 Social class and communication style in marriage
R01MH-21423-03 Locus of control and intellectual development (children)
R01MH-21724-02 Sub-cultural conceptions of mental illness
** R01MH-21854-02 Social antecedents of acts of interpersonal violence
R01MH-22929-02 Suburban reactors and the politics of suburban housing
R01MH-23262-02 Assimilation of Latin American minorities in the US
** R01MH-23468-01 Women's liberation-Is the definition class-bound?
R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
** R01MH-23542-02 Structural origins of sex differences in achievement (England)
R01MH-23664-02 Teenage youth in new town setting
R01MH-23786-01 Changing urban family roles
R01MH-23806-01 Correlates and consequences of ethnicity in the US
P01MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
** R01MH-23903-02 Early patterns of cognitive development
R03MH-24039-01 Determinants of migration (St. Bartholemy)
R01MH-24587-01 Ethnicity and social class in rural communities

R01MH-24594-01 Behavioral communications approach to marital success
R01MH-24795-01 Household settings-Life styles and mental health
R01MH-24807-01 Marriage, female roles, and marital disruption
R01MH-24849-01 Development of self recognition in infancy
R01MH-24862-01 The economy in urban working class communities
R01MH-24887-01 and families
R01MH-25172-01 Preparation for childbirth and family relationships
R01MH-25177-01 Reduce aspiration conflict among minority youth
R01MH-25216-01 Helping relationship in diverse subcultures
** R01MH-25587-01 Social class and parents' aspiration
R01MH-25834-01 Social change in the family and life course
R01MH-26092-01 Dangerousness and psychiatric commitment study

SOCIOECONOMICS, SOCIAL MOBILITY
R01ES-01108-01 Effects of SO2 and respirable particulates on health
P01HD-05876-03 0030 Center for population research - Demography of the life cycle
P01HD-06160-03 Population Research Center (human)
R01HD-07881-01 Rural-urban migration and adaptation in Korea
R01HD-08624-01 Black childlessness
N01HD-12215-04 Growth of Mexican-American families
N01HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
N01HD-42805-00 Economic and environmental consequences of population change
R01HL-15399-02 Behavioral factors in coronary heart disease
R01MH-06275-12 Social and psychological factors in status attainment (human)
** R01MH-16621-05 Social mobility in Philadelphia
R01MH-18168-04 Socio-political aspects of internal migration (India)
** R01MH-22407-02 Intra-urban migration determinants-Boston 1870-1970
R01MH-23615-02 Earned family income and urban crisis
R01MH-23806-01 Correlates and consequences of ethnicity in the US
** R01MH-25096-01 Residential mobility and neighborhood change
R01MH-25834-01 Social change in the family and life course

SOCIOENVIRONMENT
SEE ALSO FAMILY
SEE ALSO PSYCHOSOCIAL ISOLATION-DEPRIVATION
SEE ALSO SOCIAL PLANNING, COMMUNITY (REGIONAL) PLANNING
SEE ALSO SOCIAL SPACE
R01AA-00232-06 Socialization of problem behavior in youth
** R01AA-00256-05 Psychiatric illness in adopted children of alcoholics
R01AA-00275-04 Longitudinal study of changes in drinking problems (human)
R01AA-00318-01 Alcohol and other drug use among teenagers
R01AA-00331-01 Alcohol use among Orange County Chicano groups
R01AA-00383-01 Analytic review of cross-culture studies on alcohol
R18AA-00521-01 Indian community alcoholism program
R18AA-00551-01 Comprehensive Indian alcoholism and social services program
R18AA-00569-01 AIN DAH ING Community alcoholism services
R18AA-00585-01 Keweenaw Bay Indian center alcoholism program
R01AA-00622-01 Patterns of alcohol use in rural communities
R18AA-00824-02 Children of alcoholics
** R01AA-00972-01 Analysis of moral norms, environments and drinking
** R01AA-01441-01 Factors maintaining drinking in alcoholic families
R18AA-01639-01 Comprehensive alcoholism services grant
R18AA-01791-01 Task force on responsible decisions about alcohol
R18AA-01803-01 Indiana alcohol abuse prevention coordinator project
R18AA-01807-01 Vermont state prevention coordinator program
R18AA-01833-01 Texas alcoholism prevention program
** P01CA-11535-05 Social epidemiology in prevention of cancer (human)
P02CA-12197-03 0020 Multidisciplinary oncology research center - Socio-economic problems in designing cancer studies and care
P01CA-12707-03 0004 Cancer epidemiology program grant - Leukemia-lymphoma-multiple myeloma (human)

P01CA-12707-03 0005 Cancer epidemiology program grant - Surveillance (human)
P01CA-12707-03 0006 Cancer epidemiology program grant - Record linking (human)
P02CA-13696-02 0055 Clinical cancer research center - Planning total care of brain tumor patients (human)
** P02CA-13696-02 0069 Clinical cancer research center - Environment and cancer mortality in New York (human, animals)
R01DA-00043-05 A study of teen-age drug behavior
P01DA-01097-01 0002 Center for socio-cultural research on drug use - Peer/family influence on drug use
P01DA-01097-01 0005 Center for socio-cultural research on drug use - Anthropological studies
R01HD-01107-11 Social and exploratory behavior in infants (human)
P01HD-01799-09 0049 Mental retardation research center - Social ecology research unit
P01HD-01799-09 0050 Mental retardation research center - Mental retarded adults relocation
** P01HD-01799-09 0051 Mental retardation research center - Social consequences of handicapping
P01HD-02274-08 0164 Mental retardation and child development - Language delay and home environment
P01HD-03110-07 0022 Child development and mental retardation - Family research program
P01HD-03693-06 0003 Pathogenesis of chronic infections - Blood pressure in children and origins of essential hypertension (human)
R01HD-03778-06 The development of social motivation (dogs)
P01HD-04335-06 0002 Brain-behavior relationships in mental retardation - Neonatal and follow-up studies of high-risk human neonates
R01HD-04482-05 Endocrine factors in social behavior (doves)
** P01HD-04510-06 0014 Center for research in human development - Behavioral ecology-Community problems (human)
R01HD-05255-03 Pre-adult fertility and family formation (young women)
** P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
R01HD-06367-03 Psychosocial development
R01HD-06519-02 Social influence on childrens standards
R01HD-06648-02 A family study of the genetics of special abilities
** R01HD-06669-02 Genetic and environmental bases of human cognition
R01HD-06751-02 Epidemiology of mental retardation-A national study (Netherlands)
R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US
R01HD-07924-01 The relationship of infant growth to adolescent obesity (human)
R01HD-08016-01 Behavior genetic studies of adoptive and natural families
R01HD-08458-01 Cognitive behavior in maturity and old age
N01HD-22033-02 Correlates of family size and child spacing in the United States and Puerto Rico
** N01HD-42805-00 Economic and environmental consequences of population change
R01HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
R01HL-03429-15 Central nervous system and coronary heart disease (human)
R01HL-07796-12 Antecedents of clinical coronary heart disease (human)
P01HL-08974-10 0005 Natural and experimental atherosclerosis - Atherosclerosis, coronary heart disease and sudden death (human)
R01HL-15174-03 CV disease epidemiology-Second generation studies (human)
R01HL-15399-02 Behavioral factors in coronary heart disease
P01HS-00110-11 0025 Medical care and patient care research program (human) - The doctor and society
R01HS-00368-12 Human population laboratory for epidemiologic studies
P01HS-00467-06 Community child health studies
** R21HS-01447-01 Socio-political impact of sickle cell disease
R21HS-01630-01 Multivariate analysis of health behavior
** N01HV-42980-00 Acculturation and coronary heart disease among Japanese
R01MH-00776-21 Experimental analysis of imprinting (aquatic birds)
R01MH-05683-12 Childhood psychopathology process and overt symptomatology
R01MH-08954-10 Methodology of outpatient drug research (human)
P01MH-11668-09 0007 Psychosocial factors in health and disease - Identical twins with leukemia
** P01MH-11668-09 0027 Psychosocial factors in health and disease - Pre-hospital phase of myocardial infarct at Kodak plant
P01MH-11668-09 0040 Psychosocial factors in health and disease - Psychosomatic disorders among university students

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

** P01MH-11668-09 0067 Psychosocial factors in health and disease 2 Pre-hospital phase of myocardial infarct at other than Kodak plant
 P01MH-11668-09 0083 Psychosocial factors in health and disease - Rheumatoid arthritis
 M R01MH-11894-09 Comprehensive behavioral studies
 R01MH-11894-09 0004 Comprehensive behavioral studies - Cortical lesions, early experience, and learning (Rhesus monkeys)
 R01MH-11894-09 0006 Comprehensive behavioral studies - Social attachment (Rhesus monkeys)
 R01MH-12043-07 Influence of parental psychosis on child development
 P01MH-12972-08 0008 Research program in personality assessment - A social learning approach to sequential interaction (human)
 P01MH-13002-06 0032 Clinical and laboratory studies of affective disorder - Family study of early onset of affective disorder
 R01MH-15985-06 Intervention in low base rate asocial behaviors of boys
 R01MH-16026-06 Assessment of psychological environments (human)
 R01MH-16080-06 Ego development and the provenance of thought
 R01MH-17312-05 Antecedents of competence
 ** R01MH-17405-05 Determinants of aggressive behavior (human)
 R01MH-18565-04 Comparative study of social organization (damselfish)
 R01MH-18857-02 Offspring of psychotic women (Sweden)
 R01MH-18864-04 Epidemiology of achievement and psychiatric status
 R01MH-19560-04 Prospective study of children of schizophrenic parents
 R01MH-20483-03 Aggressive behavior, dominance rank and testosterone (monkeys)
 ** R01MH-20712-03 Adoption studies on affective disorder (human)
 R01MH-20756-02 Factors associated with drug therapy for hyperactivity (human)
 R13MH-21186-02 Conference and visitations for risk research groups
 ** R01MH-21312-03 0012 Endocrinological determinants of behavior - Early social conditions and development of sexually dimorphic behaviors (monkeys)
 R01MH-21312-03 0013 Endocrinological determinants of behavior - Hermaphroditism and sexually dimorphic behavior (rhesus monkeys)
 R01MH-21312-03 0014 Endocrinological determinants of behavior - Gender role characteristics and social context (rhesus monkeys)
 R01MH-21574-02 Symptom tolerance and recidivism (human)
 R01MH-21803-02 Behavioral treatment of childhood gender problems
 P01MH-22836-02 Children and families vulnerable to mental disorders
 ** R01MH-23642-02 Some genetic and social factors in cognitive traits
 R01MH-23645-02 0005 Behavior-hormone changes in adolescence - Behavioral observational techniques (chimpanzee)
 R01MH-23646-02 Correlates of preventive activities in CMHCS
 R01MH-23814-02 Tenant organizations-Mobilization and consequences
 R01MH-23884-02 Determinants of mental health (children)
 R01MH-24189-01 Epidemiology-Mania, depression and schizophrenia
 R03MH-24483-01 Behavioral environmental effects on sexual maturation (mice)
 R01MH-24594-01 Behavioral communications approach to marital success
 R01MH-24807-01 Marriage, female roles, and marital disruption
 R01MH-24884-01 Psychiatric epidemiology in Rhode Island
 ** R01MH-25266-01 Personal well-being and environmental factors
 ** R01MH-25311-01 Gene-environment interactions and criminality
 P01MH-25515-01 0013 Collaborative biological research on schizophrenia - Genetic and environmental factors in the development of schizophrenia
 P01MH-25515-01 0014 Collaborative biological research on schizophrenia - Biological markers or correlates of schizophrenia
 P01MH-25515-01 0015 Collaborative biological research on schizophrenia - Genetic and biochemical studies on high density schizophrenic pedigrees
 ** N01MH-40043-00 Survey of data on child abuse
 N01MH-40056-00 Survey of child abuse and neglect service programs
 R01NS-08208-09 Laterality of sensory and motor functions (children and adults)
 N01NS-32304-02 Epidemiological studies of stroke risk factors in Panama
 N01NS-42316-00 Development of a comprehensive epilepsy center (human)

N01NS-42318-00 Feasibility study for a comprehensive epilepsy program (human)
SOCIOENVIRONMENT, COMMUNITY
 SEE ALSO DENTAL HEALTH, COMMUNITY DENTAL HEALTH
 SEE ALSO HEALTH CARE SERVICES, COMMUNITY HEALTH SERVICES
 SEE ALSO HOSPITAL-COMMUNITY RELATIONS
 SEE ALSO MENTAL HEALTH SERVICES, COMMUNITY MENTAL HEALTH SERVICES
 ** R01AA-00498-03 0001 Clinical studies of alcohol use and abuse - Assessing psychotherapeutic and community environments
 R18AA-01477-01 Community alcoholism services poverty program
 R18AA-01583-01 Alcoholism service delivery project
 P01DA-00250-03 0016 Research center-Studies of drug dependence and abuse - Epidemiologic studies in drug dependence
 R01DA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)
 R01DA-00974-01 Psychosocial study of Qat use in North Yemen
 P01HD-03144-07 0015 Development of culturally deprived children - Establishing neighborhood citizenship behavior by community-center instigation
 ** P01HD-04510-06 0003 Center for research in human development - Center for community studies
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 R01HD-06279-03 Fertility extended familism and lifestyle in Cameroon
 R01HD-06921-02 Language attitudes of bilingual Chicanos
 N01HD-12215-04 Growth of Mexican-American families
 P18HL-15997-02 0001 A comprehensive hospital-community sickle cell center - Education
 N01MH-10032-00 Field test of an epidemiologic assessment of community mental health
 N01MH-10098-01 Community data in detection of behavioral outbreaks
 R01MH-16621-05 Social mobility in Philadelphia
 ** R01MH-18542-04 Community-controlled sanctions in an urban poverty area
 ** R01MH-19069-04 Social class differences in community behavior (human)
 R01MH-19706-03 Behavioral programs in learning activities for youth (human)
 ** R01MH-21415-01 Mental health and poor families
 ** R01MH-22350-02 Measures of delinquency and community tolerance
 ** R01MH-22763-01 The incessant community
 R01MH-23793-01 Rejuvenating the asylum (children)
 R01MH-23949-01 Research study of retirement preparation programs
 ** R01MH-24047-01 Effect of metropolitan open space on community life
 R01MH-24961-01 Self-help groups as mental health resources
 ** R01MH-25244-01 Ethnicity and community in an urban metropolis
 R01MH-25417-01 Reintegrating the mentally ill in the local community
 R01MH-25580-01 Fanon mental health research and development centers (FRDC)
 R01MH-25834-01 Social change in the family and life course
 ** R01MH-25844-01 Community organization and psychiatric disorder (Israel)
 R01MH-25860-01 Social predictors of American mobility 1875-1915
 R03MH-26042-01 Replication of research on a metropolitan area (human)
 R03MH-26052-01 Contextual influences on individual choice behavior an)
 ** R01MH-26184-01 Racial and socio-economic pluralism in a new town
 N01MH-40118-00 Services to runaway youth
 N01MH-40119-00 Services to runaway youth
 N01MH-40120-00 Services to runaway youth
 N01MH-40122-00 Youth runaway program
SOCIOENVIRONMENT, RESIDENCE CHARACTERISTICS, HOUSING
 R18AA-00066-02 Aroostuck indian alcoholism prevention committee
 P01HD-04510-06 0003 Center for research in human development - Center for community studies
 P01HD-04612-06 0024 Mental retardation research center - Adaptive behavior of mentally retarded in residential settings
 P01HD-05876-03 0030 Center for population research - Demography of the life cycle
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 R01HD-07410-02 Economic determinants of population distribution (San Francisco)
 R01HD-07629-02 Population-policy linkages in cities and suburbs
 R01HD-08031-01 Density and pathology in urban areas
 ** R01HD-08454-01 Metropolitan home-work place patterns

** R01HS-00903-03 The effects of medically orientated housing
 N01LM-24711-05 CATV link to public housing project for purposes of medical communications
 R01MH-18542-04 Community-controlled sanctions in an urban poverty area
 ** R01MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
 R01MH-21934-02 Lithium and aggressive behavior (human)
 R01MH-22407-02 Intra-urban migration determinants-Boston 1870-1970
 ** R01MH-22660-01 Effects of aging on housing and living arrangements
 ** R01MH-22929-02 Suburban realtors and the politics of suburban housing
 R01MH-23806-01 Correlates and consequences of ethnicity in the US
 ** R01MH-23814-02 Tenant organizations-Mobilization and consequences
 ** R01MH-24795-01 Household settings-Life styles and mental health
 ** R01MH-24909-01 Trade-off preferences in residential environments
 R01MH-25525-01 Investment of self in an urban group
 R01MH-25834-01 Social change in the family and life course
 N01MH-40008-00 Mental health services to flood victims-Pennsylvania
 N01MH-40012-00 A residential exchange study and plan
 ** R01MH-40059-00 Housing needs of ex-mental patients

SOCIOENVIRONMENT, RESIDENCE CHARACTERISTICS, HOUSING FOR THE ELDERLY

SEE ALSO HEALTH CARE FACILITIES, RESIDENTIAL, HOMES FOR THE AGED
 ** R01MH-23755-01 Longitudinal study-Intermediate housing for elderly
 ** R01MH-25996-01 Unseen community-Marginal urban population

SOCIOENVIRONMENT, RESIDENTIAL MOBILITY

** R01HD-05665-03 Relocation in old age-Health and psychosocial impact
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 R01HD-05985-01 Cycles in fertility, mortality and economic conditions (US, Sweden, Britain)
 R01HD-06110-03 Urbanization, life style and fertility (Italy, US)
 ** R01HD-06160-03 Population Research Center (human)
 R01HD-07094-01 An open model for population projection
 ** R01HD-07410-02 Economic determinants of population distribution (San Francisco)
 R01HD-07629-02 Population-policy linkages in cities and suburbs
 ** R01HD-08567-01 Migration, regional growth and public policy (Mexico)
 N01HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
 P18HS-00472-06 0008 Health services research center - Emergency room study
 R01MH-06275-12 Social and psychological factors in status attainment (human)
 P01MH-08667-10 0015 A longitudinal epidemiology of impaired competence - Riverside community study-Retardates
 R01MH-21854-02 Social antecedents of acts of interpersonal violence
 R01MH-23806-01 Correlates and consequences of ethnicity in the US
 ** R01MH-25096-01 Residential mobility and neighborhood change
 R01MH-25484-01 Causal models of small southern city change-1960-70
 ** N01MH-40012-00 A residential exchange study and plan
 N01MH-44139-00 Study of rural physicians in twenty rural Missouri counties

SOCIOENVIRONMENT, RESIDENTIAL MOBILITY, MIGRANTS

SEE ALSO ENVIRONMENT, ECOLOGY HUMAN
 SEE ALSO POPULATION STUDIES HUMAN
 R18AA-00776-01 Transitional alcoholic halfway house
 ** R18AA-01482-01 Alcohol program for migrants and farmworkers
 R18AA-01546-01 Cocopah alcoholism program
 R18AA-01615-01 Community alcoholism services Spanish-American
 ** N01CP-23213-03 Shifts in cancer risks among Japanese migrants
 N01CP-33326-03 Epidemiology and etiology of breast cancer
 N01CP-33334-01 Comparative focal floral studies (human)
 ** N01CP-33353-02 Study of cancer in Japanese migrants
 ** N01CP-43247-00 Shifts in cancer risks among Norwegian migrants
 R25DA-00892-01 Immigrant social service-Youth program
 ** P01DA-01097-01 0007 Center for socio-cultural research on drug use - Migration and drug use

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** N01HD-02190-04 Urbanization migration and fertility in Thailand
 R01HD-05427-03 Rural fertility decline in Northern America (US, Canada)
 R01HD-05707-02 Urban emigrants in rural social change (Zambia)
 P01HD-05798-01 0001 Center for population research award - Economic studies
 ** R01HD-05852-03 Migration of negroes to the south
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 R01HD-06279-03 Fertility extended familism and lifestyle in Cameroun
 ** R01HD-07147-01 Migration and fertility behavior and attitudes
 ** R01HD-07186-01 Economic and non-economic determinants of migration
 ** R01HD-07397-02 Population study of rural migrants in urban areas
 ** R01HD-07881-01 Rural-urban migration and adaptation in Korea
 ** R01HD-08979-01 Fertility and migration trends in rural New England
 ** N01HD-22743-04 Population redistribution and depopulation in non-metropolitan Pennsylvania
 ** R01HS-00422-05 Ecology of migrant peoples-Mississippi
 ** P16HS-00472-06 0043 Health services research center - Data base for foreign medical graduates
 R01HS-01241-02 Affiliation with providers and use of medical care
 R01MH-14806-08 Maturational reform and rural delinquency (human)
 ** R01MH-18168-04 Socio-political aspects of internal migration (India)
 R01MH-20102-04 Processes of linguistic change (Philippine)
 R01MH-22010-01 Reactions to racism
 ** R01MH-22407-02 Intra-urban migration determinants-Boston 1870-1970
 ** R01MH-22719-03 Native American children-The urban way
 ** R01MH-23262-02 Assimilation of Latin American minorities in the US
 ** R03MH-24039-01 Determinants of migration (ST. Bartholemy)
 ** R03MH-24072-01 Americans in Israel-Early stages of the ethnic process
 ** R03MH-25130-01 Analysis of data on educational change (human)
 ** R13MH-25655-01 Identity crisis of the Sensesi
 R03MH-25749-01 The demography of depopulation
 ** R01MH-25860-01 Social predictors of American mobility 1875-1915
 ** N01MH-44161-00 International migration of physicians and nurses
 ** R01MS-10186-03 MS in American and Japanese migrants to Southern California and Seattle
 N01NU-44144-00 Development of a plan for state licensure of foreign nurse graduates
SOCIOENVIRONMENT, RURAL AREAS
 R18AA-00053-02 East central task force on alcoholism
 ** R18AA-00067-01 Rural poverty community alcoholism services program
 R18AA-00100-02 Community alcoholism services poverty program
 R18AA-00177-03 0001 Epidemiology of alcoholism in Latin America - Drinking patterns and alcoholism in Latin America
 R18AA-00435-03 Demonstration prevention, outreach and training program (alcoholism)
 R18AA-00453-03 Services for problem drinking drivers
 ** R18AA-00606-02 Responsible drinking practices in a rural community setting
 R18AA-00619-02 Waldo-Knox alcoholism counseling and recovery program
 ** R01AA-00622-01 Patterns of alcohol use in rural communities
 ** R18AA-00771-01 Owl region rural alcohol demonstration program
 R18AA-00831-02 Garrett County Alcoholism Services
 R18AA-00089-02 Support for alcoholism control program
 ** R18AA-00974-01 Bridge house rural alcoholism program
 ** R18AA-01056-02 Rural Alcoholism program (human)
 R18AA-01155-02 Area alcoholism poverty program
 R18AA-01174-01 Kasaah village alcoholism service (Alaska)
 R18AA-01375-01 St George recreational program (Alaska)
 R18AA-01376-01 Lower Kolskag Alaska Council on alcoholism
 R18AA-01378-01 Quinhagak Village alcoholism program (Alaska)
 R18AA-01379-01 Newhalen abuse center (Alaska)
 R18AA-01381-01 Savoonga alcoholism program (Alaska)
 R18AA-01406-01 Alcoholism information and referral center, Inc.
 R03AA-01408-01 Drinking patterns in two Lumbee Indian communities
 ** R18AA-01619-01 Comprehensive rural alcoholism program
 ** N01AH-44114-00 National model for rural health manpower
 R01AJ-03028-15 Ecology and control of arboviruses (animals)
 ** R07AJ-10051-14 International center for medical research and training (human, animals)
 R01AJ-11547-02 La Crosse arbovirus studies in forested areas, (mosquitoes, rodents)
 R01AM-12666-01 Goiter and retardation in Ecuador and Peru (human)
 P02CA-13148-03 0071 Pilot cancer center - Community demonstration project-Cervical cancer
 R25DA-00172-03 Peer-oriented drug abuse educational network
 ** N01DA-40137-00 Development and testing of a model rural drug education program
 P01HD-03352-07 0028 Wisconsin center on mental retardation - Self-maintenance behavior of adult retardates in community
 P01HD-03352-07 0030 Wisconsin center on mental retardation - Family process and school achievement
 ** R22ND-03942-07 Nutrition and development of children in rural areas (Mexico)
 R01HD-04602-05 Goals and conditions of population control (human)
 ** R01HD-05427-03 Rural fertility decline in Northern America (US, Canada)
 ** R01HD-05707-02 Urban emigrants in rural social change (Zambia)
 P01HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 ** P01HD-06160-03 Population Research Center (human)
 R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
 R01HD-06279-03 Fertility extended familism and lifestyle in Cameroun
 R01HD-07147-01 Migration and fertility behavior and attitudes
 R01HD-07682-02 Differential fertility in the United States, 1960-1070
 R01HD-07881-01 Rural-urban migration and adaptation in Korea
 R01HD-07914-01 Population and kinship in Neckarhausen 1500-1870
 ** R01HD-08251-01 Land inheritance and birth rate among European peasants (Austria)
 R01HD-08524-01 Family planning program and fertility in UP, India
 R01HD-08587-01 Population regulation in a Swiss Village
 R01HD-08979-01 Fertility and migration trends in rural New England
 N01HD-12141-02 Study fertility in Poland and the USSR
 R01H-13667-08 Natural history of chronic bronchitis - emphysema (human)
 P17HL-14212-04 0002 Correlated studies of pulmonary disease - Epidemiological studies
 N01HR-42912-00 Population studies on respiratory diseases
 ** P16HS-00471-06 0010 Health services research center - Minnesota physician manpower
 P16HS-00471-06 0014 Health services research center - Regulation of distribution of medical care services
 R18HS-00588-04 Cost effect and potential of a new maternal-infant health care team
 R18HS-00808-04 Experimental medical care review organization
 ** R18HS-00885-03 Primex-family nurse training program in rural areas
 R18HS-00886-03 Primex demonstration project proposal
 ** P01HS-01053-03 0004 Automated health services - Microwave communication link (human)
 P01HS-01053-03 0018 Automated health services - Automation of the outpatient department
 ** P01HS-01053-03 0020 Automated health services - Computer technology applied to rural health care (human)
 R18HS-01333-02 Family nurse practitioner in North Carolina-PRIMEX
 R18HS-01481-01 Salmon-Challis medical communications project
 R01HS-01568-01 Health care evaluation project
 R18HS-01571-01 Automated physicians assistant
 ** R18HS-01591-01 Innovative technology in a rural health care system
 N01HV-42902-00 Epidemiological studies of coronary heart disease (human)
 ** N01MB-34038-07 Rural health care system for New Mexico
 N01MB-44191-00 Prototype course in rural prepaid health care
 ** N01MB-44199-00 Program of health team training and practice
 ** R01MH-14806-08 Maturational reform and rural delinquency (human)
 R01MH-15900-05 Evaluating Southern mental health needs and services (Florida)
 ** R01MH-16420-05 Community mental health workers demonstration project
 ** R01MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
 R01MH-19222-02 Process and impacts of a state hospital closing
 R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
 R01MH-19712-03 Social change in plural society (Andean Peru)
 ** R01MH-21811-01 Human predicaments and human services
 R01MH-22010-01 Reactions to racism
 R01MH-22808-02 Legislative change and rural/urban MH delivery systems
 R01MH-23125-02 Supportive resources for black adolescent aspiration
 R01MH-24220-01 Social and cultural dimensions of aging
 R01MH-24587-01 Ethnicity and social class in rural communities
 R03MH-24668-01 Cross-cultural study of decision making
 R01MH-24961-01 Self-help groups as mental health resources
 R03MH-25130-01 Analysis of data on educational change (human)
 R01MH-25334-01 The ecology of upbringing (human)
 ** R03MH-25793-01 Socio-economic factors in emerging entrepreneurship
 ** N01MH-44139-00 Study of rural physicians in twenty rural Missouri counties
 N01NU-44220-00 Rural nurse practitioner program
 ** N01RR-00109-11 0035 General clinical research center - Pulmonary disease in a rural population
SOCIOENVIRONMENT, URBAN AREAS
 SEE ALSO METROPOLITAN MENTAL HEALTH PROBLEMS REVIEW COMMITTEE
 R18AA-00949-02 Community alcoholism services poverty program
 R18AA-00803-02 Community alcoholism services poverty program
 R18AA-00174-03 Services for problem drinking drivers
 R18AA-00177-03 0001 Epidemiology of alcoholism in Latin America - Drinking patterns and alcoholism in Latin America
 R01AA-00180-02 Religion, ethnicity and family response to alcoholism
 R18AA-00454-03 Services for problem drinking drivers
 R18AA-00466-03 Services for problem drinking drivers
 R18AA-00493-02 Problem drinking of urban Indians
 R18AA-00530-03 Community alcoholism services Indian program
 R18AA-00539-03 Indian alcoholism program
 R18AA-00542-02 Cleveland American Indian community alcoholism services
 R18AA-00544-03 American Indian Services, Inc.
 R18AA-00605-03 Services for problem drinking drivers
 R18AA-00623-02 Alcoholism and drug abuse program and treatment
 ** R18AA-00744-02 Alcoholic incentive ladder program
 R18AA-00793-02 A community response to alcoholism
 ** R03AA-00892-01 Urban Chippewa alcoholics-A clinical survey
 R18AA-00928-02 Inner city council on alcoholism
 R18AA-01136-02 Demonstration project for alcoholism prevention
 R03AA-01408-01 Drinking patterns in two Lumbee Indian communities
 R18AA-01411-01 Phoenix urban Indian alcoholism program
 R18AA-01574-01 Bowery residents' committee ambulatory drop-in center
 R07AJ-10049-15 0009 International center for medical research - Malaria in West Pakistan-Biological control of vectors in urban areas
 ** R07AJ-10051-14 International center for medical research and training (human, animals)
 P02CA-13696-02 0055 Clinical cancer research center - Planning total care of brain tumor patients (human)
 ** R01DA-00048-04 Epidemiologic field team for drug dependence (Chicago)
 R01DA-00055-04 Therapeutic explorations with adolescents-Project community
 ** R25DA-00675-02 Metro drug awareness
 ** R01DA-00731-01 A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York)
 R01DA-01053-01 Community variations in Chicano ex-addict adaptations
 P01DA-01080-01 Psychosocial investigation of drug abuse in industry
 R01ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
 ** P10ES-00928-01 0018 Environmental agents-Relation to human health effects - Environmental factors in ghetto asthma
 P10ES-00928-01 0019 Environmental agents-Relation to human health effects - Lung burden of tale among urban dwellers (human)
 P10ES-00928-01 0030 Environmental agents-Relation to human health effects - Source of ultramicroscopic inorganic particles in ambient air pollution
 ** P10ES-00928-01 0035 Environmental agents-Relation to human health effects - Ultramicroscopic particulate content of urban air in U.S.
 P01HD-01799-09 0049 Mental retardation research center - Social ecology research unit
 ** N01HD-02190-04 Urbanization migration and fertility in Thailand
 P01HD-03144-07 0012 Development of culturally deprived children - Language, social and preacademic skills in community day-care center

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(cont'd)

PO1HD-03144-07 0013 Development of culturally deprived children - Maintaining school performance through continuing community center activities
 PO1HD-03144-07 0017 Development of culturally deprived children - Behavioral methodology modifying child behavior of urban families in home
 PO1HD-03144-07 0018 Development of culturally deprived children - Teaching model for training inner-city school personnel and parents
 PO1HD-03352-07 0028 Wisconsin center on mental retardation - Self-maintenance behavior of adult retardates in community
 PO1HD-03352-07 0033 Wisconsin center on mental retardation - Milwaukee high-risk population laboratory
 PO1HD-04299-05 Intervention and mental health of infants
 RO1HD-04602-05 Goals and conditions of population control (human)
 RO1HD-05585-03 Studies in population change (USSR)
 RO1HD-05665-03 Relocation in old age-Health and psychosocial impact
 PO1HD-05876-03 0031 Center for population research - Spatial distribution of human populations
 ** RO1HD-06110-03 Urbanization, life style and fertility (Italy, US)
 ** PO1HD-06160-03 Population Research Center (human)
 RO1HD-06268-02 Hopkins population center
 RO1HD-06279-03 Fertility extended familism and lifestyle in Cameroun
 RO1HD-06911-02 Population density and human behavior in Chicago
 ** RO1HD-07147-01 Migration and fertility behavior and attitudes
 ** RO1HD-07394-01 Efficiency aspects of the distribution of US city sizes
 ** RO1HD-07397-02 Population study of rural migrants in urban areas
 ** RO1HD-07410-02 Economic determinants of population distribution (San Francisco)
 ** RO1HD-07629-02 Population-policy linkages in cities and suburbs
 RO1HD-07682-02 Differential fertility in the United States, 1960-1070
 ** RO1HD-08031-01 Density and pathology in urban areas
 ** RO1HD-08454-01 Metropolitan home-work place patterns
 RO1HD-08567-01 Migration, regional growth and public policy (Mexico)
 ** NO1HD-12028-04 Study social psychological correlates of urban fertility
 NO1HD-12141-02 Study fertility in Poland and the USSR
 NO1HD-22038-03 Role and fertility patterns of urban mothers
 NO1HD-42806-00 Consequences of metropolitan population stability or decline
 ** NO1HD-42807-00 Population growth and employment growth in metropolitan areas
 RO1HL-13329-04 Stress and heredity factors related to blood pressure (human)
 ** PO1HL-14414-03 0009 Cardiorespiratory performance and environmental factors - Comparative study of cardiopulmonary fitness (human)
 RO1HL-14487-01 Hypertension in the young inner city female
 RO1HL-16652-01 Asthma and air pollution in two inner city areas
 NO1HR-32906-01 Population studies on respiratory diseases
 NO1HR-42912-00 Population studies on respiratory diseases
 PO1HS-00110-11 0026 Medical care and patient care research program (human) - Study of Baltimore city hospitals
 R18HS-00218-04 Community based primary health care
 ** P16HS-00471-06 0003 Health services research center - Public general hospitals
 P16HS-00471-06 0014 Health services research center - Regulation of distribution of medical care services
 ** P16HS-00472-06 0046 Health services research center - Emergency room study
 ** RO1HS-00541-03 Interorganizational networks of urban health services
 R18HS-00588-04 Cost effect and potential of a new maternal-infant health care team
 ** R18HS-00694-02 Model city health care evaluation (human)
 R18HS-00886-03 Primex demonstration project proposal
 R18HS-01124-01 Education for better use of health services by Puerto-Ricans in East Harlem
 RO1HS-01516-01 Analysis of hospital charges and length of stay
 NO1HY-12439-06 Therapy for hypertension in the general population
 NO1HY-42902-00 Epidemiological studies of coronary heart disease (human)
 NO1MB-44213-00 Inner city work-study program for health professions faculty
 RO1MH-10328-10 Measurement of untreated psychiatric disorder
 PO1MH-13369-07 Program for research in psychiatric sociology
 RO1MH-15521-06 Problem solving behavior of family groups (human)

RO1MH-15708-05 Leisure and mental health-Cultural and age factors
 ** RO1MH-16621-05 Social mobility in Philadelphia
 RO1MH-17159-05 Interorganizational relationships and consequences
 RO1MH-17508-03 Effectiveness of regulatory systems for problem youth
 RO1MH-18051-04 Aging and the use of community resources (human)
 RO1MH-18060-05 The permanent community sample (human)
 ** RO1MH-18260-05 Psychiatric impairment in urban children over time
 ** RO1MH-18542-04 Community-controlled sanctions in an urban poverty area
 RO1MH-18646-03 Developmental approach to community change
 ** RO1MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
 ** RO1MH-19029-03 Nonverbal interethnic encounters in urban settings
 RO1MH-19069-04 Social class differences in community behavior (human)
 RO1MH-19463-03 A monitor service to families of the emotionally ill
 RO1MH-19883-03 Rehabilitation of elderly tenants of a welfare hotel
 ** RO1MH-19930-03 Information, values, and urban policy formation
 RO1MH-20372-03 Mental health program for preschool children
 RO1MH-20954-03 Impact of continuing evaluation of an urban CCMHC
 ** RO1MH-21204-02 Comparative historical study of urban public order
 RO1MH-21273-02 Studies on suicide and suicide attempts in Monroe County
 RO1MH-21415-01 Mental health and poor families
 RO1MH-21415-01 communications
 RO1MH-21896-01 Program in generative design
 RO1MH-22010-01 Reactions to racism
 RO1MH-22090-01 The mental health of Blacks and Asian Americans
 RO1MH-22322-02 Typological description of suicidal behavior
 RO1MH-22350-02 Measures of delinquency and community tolerance
 RO1MH-22370-02 School intervention program
 ** RO1MH-22407-02 Intra-urban migration determinants- Boston 1870-1970
 RO1MH-22563-01 Folk healers and community mental health programming
 ** RO1MH-22719-03 Native American children-The urban way
 ** RO1MH-22763-01 The incessant community
 RO1MH-22808-02 Legislative change and rural/urban MH delivery systems
 RO1MH-22891-02 Crisis intervention by the use of telephone therapy
 RO1MH-22915-02 Detection of behavior outbreaks with community data
 ** RO1MH-22929-02 Suburban realtors and the politics of suburban housing
 ** RO1MH-23011-01 Development of metropolitan growth theory
 ** RO1MH-23030-02 Structure, functions, and impact on urban communes
 RO1MH-23125-02 Supportive resources for black adolescent aspiration
 ** RO1MH-23615-02 Earned family income and urban crisis
 ** RO1MH-23786-01 Changing urban family roles
 RO1MH-23810-01 An interagency system to deliver human services
 ** RO1MH-23900-02 Stress, ownership and pathology in urban dirty work
 RO1MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)
 RO1MH-23993-01 A study of Asian American communities in Chicago
 RO1MH-24220-01 Social and cultural dimensions of aging
 RO3MH-24717-01 Coding and disposition of psychosocial illness
 RO1MH-24795-01 Household settings-Life styles and mental health
 RO1MH-24862-01 The economy in urban working class communities
 RO1MH-24889-01 Community based program for mentally frail elderly
 ** RO1MH-24909-01 Trade-off preferences in residential environments
 RO1MH-24961-01 Self-help groups as mental health resources
 ** RO3MH-24968-01 Ecological impact study on new town residents
 ** RO1MH-24982-02 Neighborhood helping networks in urban community
 RO1MH-25096-01 Residential mobility and neighborhood change
 RO3MH-25130-01 Analysis of data on educational change (human)
 ** RO1MH-25244-01 Ethnicity and community in an urban metropolis

RO1MH-25292-01 Municipal employee unions-impact on service delivery
 RO1MH-25333-01 Evaluation of youth diversion in a small city
 ** RO3MH-25406-01 Urban social psychology-A network approach
 ** RO1MH-25484-01 Causal models of small southern city change-1960-70
 RO1MH-25525-01 Investment of self in an urban group
 RO1MH-25534-01 The ecology of upbringing (human)
 ** RO1MH-25860-01 Social predictors of American mobility 1875-1915
 ** RO3MH-26042-01 Replication of research on a metropolitan area (human)
 RO1MH-26105-01 Irregular economy-Urban adaptation to unemployment
 NO1MH-40043-00 Survey of data on child abuse
 NO1MH-44139-00 Study of rural physicians in twenty rural Missouri counties
 PO1NS-10164-02 0002 Regional spinal cord trauma center grant - Epidemiological research (human)
 ** RO1OH-00340-05 0006 Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
 MO1RR-00050-13 0053 Wilson's disease - Incidence of hypertension in a high school population
 ** MO1RR-00063-12 0063 General clinical research center - Pulmonary function of persons living in polluted vs non-polluted cities

SOCIOENVIRONMENT, URBAN PLANTINGS AND GREEN AREAS

** RO1MH-24047-01 Effect of metropolitan open space on community life

SOCIOENVIRONMENT, URBAN POVERTY AREAS

** R18AA-00599-01 Small city public inebriate program
 R18AA-00601-01 Portland public inebriate demonstration project
 R18AA-01058-01 Community alcoholism services-Poverty program
 R18AA-01137-01 Community alcoholism program
 RO1HD-07200-01 Heritability and mental development
 RO1HD-07716-01 Stimulation, nutrition and development of competence (Colombia children)
 ** RO1HD-07881-01 Rural-urban migration and adaptation in Korea
 RO1MH-21854-02 Social antecedents of acts of interpersonal violence
 PO1MH-23878-06 0015 Cognitive processes and mathematical psychology - Development of memory skills
 PO1MH-23878-06 0019 Cognitive processes and mathematical psychology - Discrimination learning studies (human)
 RO1MH-24656-01 The psychology of Black Gangs-Mental illness or mental health
 RO1MH-25580-01 Fanon mental health research and development centers (FRDC)
 ** RO1MH-25617-01 Alternative inner city policy
 ** RO1MH-25996-01 Unseen community-Marginal urban population
 ** RO1MH-26105-01 Irregular economy-Urban adaptation to unemployment
 ** RO1MH-26154-01 Economic change and social pathologies in urban area

SOCIOLINGUISTICS (GENERAL)

SEE INFORMATION-COMMUNICATION BEHAVIOR, SOCIOLINGUISTICS (GENERAL)

SOCIOLOGISTS

SEE MENTAL HEALTH PERSONNEL, SOCIOLOGISTS

SOCIOLOGY AND ANTHROPOLOGY OTHER, ANTHROPOLOGY (GENERAL)

SEE ALSO SOCIAL GROUPS, RACIAL STOCKS

RO1AJ-10088-04 Transplantation immunogenetics and cancer (human, mice)
 ** RO1DA-00974-01 Psychosocial study of Qat use in North Yemen
 ** PO1DA-01097-01 0005 Center for socio-cultural research on drug use - Anthropological studies
 ** PO1DA-01097-01 0014 Center for socio-cultural research on drug use - Anthropological studies
 RO1GM-12074-11 Blood groups in non-human primates (and human)
 RO1HD-07618-01 Human population structure-A computer simulation
 RO1HL-05351-14 Blood group antigens and antibodies (human, sheep)
 RO3MH-24392-01 Local-level effects of 'modernization' (human)
 RO3MH-24668-01 Cross-cultural study of decision making
 RO3MH-25793-01 Socio-economic factors in emerging entrepreneurship

SOCIOLOGY AND ANTHROPOLOGY OTHER, ARCHAEOLOGY

** RO1MH-24592-01 Models of madness in antiquity (Greece)

SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE

SEE ALSO HEALTH CARE PRACTICE, FOLK MEDICINE
 SEE ALSO HEALTH CARE PRACTICE, PRIMITIVE MEDICINE

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

SEE ALSO SOCIAL GROUPS, ETHNIC
 R18AA-00172-02 Maine Indian alcoholism field survey
 ** R18AA-00177-03 0001 Epidemiology of alcoholism in Latin America - Drinking patterns and alcoholism in Latin America
 ** R01AA-00383-01 Analytic review of cross-culture studies on alcohol
 ** R18AA-00485-03 Demonstration-tri-cultural alcoholism treatment program
 R18AA-00493-02 Problem drinking of urban Indians
 R18AA-00588-02 Alcoholism-cultural heritage program
 ** R18AA-01339-01 Fairbanks native association council on alcoholism
 N01AA-30110-00 Contexts of drinking of alcohol (human)
 R07AF-10051-14 International center for medical research and training (human, animals)
 P01CA-11489-05 Program of epidemiological research in cancer
 R01DA-00974-01 Psychosocial study of Qat use in North Yemen
 R01DA-01054-01 Drug abuse among Indian adolescents
 P01DA-01073-01 Center, theoretical social research on drug abuse
 P01DA-01080-01 Psychosocial investigation of drug abuse in industry
 M P01DA-01097-01 Center for socio-cultural research on drug use
 P01DA-01097-01 0002 Center for socio-cultural research on drug use - Peer/family influence on drug use
 ** P01DA-01097-01 0005 Center for socio-cultural research on drug use - Anthropological studies
 P01DA-01097-01 0007 Center for socio-cultural research on drug use - Migration and drug use
 P01DA-01097-01 0010 Center for socio-cultural research on drug use - Critical panel study
 P01DA-01097-01 0012 Center for socio-cultural research on drug use - Adolescent drug behavior in selected US ethnic groups
 P01DA-01097-01 0015 Center for socio-cultural research on drug use - Comparative study of drug behavior in Israel
 N01DA-30164-00 International conference on cross-cultural perspectives on cannabis use
 R01GM-13482-07 Medical-anthropological studies in Solomon Islands
 R01HD-04128-06 Intervention and critical periods in moral development (human)
 ** P01HD-04510-06 0006 Center for research in human development - Research alliance with HWCR institute in Jerusalem (human)
 R01HD-05707-02 Urban emigrants in rural social change (Zambia)
 P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 R01HD-06110-03 Urbanization, life style and fertility (Italy, US)
 R01HD-06265-02 Land reform and demography in highland Chiapas, Mexico
 R01HD-06669-02 Genetic and environmental bases of human cognition
 R01HD-07002-01 Cross-cultural study of fertility control of Japan and the US
 R01HD-07188-01 Ethnography of poor black women
 R01HD-07881-01 Rural-urban migration and adaptation in Korea
 R01HL-13100-04 Cultural change, blood pressure and heart disease (Pacific Islands)
 P18HL-15162-03 0007 Comprehensive sickle cell disease center - Demographic studies (human)
 ** R01HS-01622-01 Perceptions of health in a Mexican-American community
 R01LM-01804-02 The medical enlightenment, 1695-1750
 R01MH-02100-17 An analysis of the process of cultural change (Mexico)
 ** R01MH-07705-11 Studies on comparative psycholinguistics
 R01MH-08061-11 Analytic studies of visual perception (human)
 ** R01MH-15708-05 Leisure and mental health-Cultural and age factors
 R01MH-16950-06 Group decision-making involving risk
 R01MH-18168-04 Socio-political aspects of internal migration (India)
 ** R01MH-18934-04 Transcultural study in discharge of schizophrenics (US, Turkey)
 ** R01MH-19531-03 The cultural context of law and conflict management (Fiji, Tonga)
 R01MH-19864-04 American beliefs about physical and mental illness
 N01MH-20065-01 Evaluation of child advocacy projects
 R01MH-20102-04 Processes of linguistic change (Philippine)
 ** N01MH-20224-00 Effect of ethnocultural variations on mental health and psychopathology
 ** R01MH-20639-01 Comparative study of white, black, and spanish groups
 R01MH-20696-02 Self-destruction among prison inmates
 R01MH-21196-03 Cultural indicators
 R01MH-21853-03 Rehabilitation program for delinquent Indian youth
 ** R01MH-21989-03 Studies of psychological differentiation (human)
 R01MH-22035-01 Ethnic survey program

** R01MH-22563-01 Folk healers and community mental health programming
 R01MH-22719-03 Native American children-The urban way
 R01MH-22834-02 Mexican-American matriculation and retention rates (universities)
 R01MH-23262-02 Assimilation of Latin American minorities in the US
 ** R01MH-23469-01 Changing competence expectations of low status youth (United States, Israel)
 R01MH-23676-02 Employee participation in ownership and management (Peru)
 R01MH-23905-02 Study of problems in institutions for juveniles (Mexican-Americans)
 R01MH-23993-01 A study of Asian American communities in Chicago
 R01MH-24003-02 The black intelligence test as a moderator variable (human)
 R01MH-24220-01 Social and cultural dimensions of aging
 R01MH-24592-01 Models of madness in antiquity (Greece)
 R01MH-24817-01 Human development model for mental health services
 R01MH-25044-02 Epidemiology of exceptionalism in school children
 ** R01MH-25169-01 Cultural variations in cognitive structure
 R01MH-25174-01 Multilingualism in a non-literate culture
 R01MH-25244-01 Ethnicity and community in an urban metropolis
 R03MH-25406-01 Urban social psychology-A network approach
 ** R03MH-25567-01 Administration of juvenile justice-Comparative analysis (Brazil, United States)
 ** R13MH-25655-01 Identity crisis of the Sansei
 R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 R03MH-25921-01 Language use and political interaction (Turkey)
 R01MH-26099-01 Mental health service utilization by Mexican Americans
SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE, SIMPLE SOCIETIES
 ** R01MH-22012-03 Field research in cognitive anthropology (Peru)
 ** R03MH-25814-01 Decision making in natural settings (human)
SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE, SYMBOLISM
 P01HD-05941-03 0002 Human development and aging - Ethnic identity and adult development
 R01HD-06604-02 The politics of population policy in Latin America
 ** R03MH-25771-01 Relationship between mythology and mental illness (Philippines)
SOCIOLOGY AND ANTHROPOLOGY OTHER, INTERNATIONAL COOPERATION
 R01AA-00383-01 Analytic review of cross-culture studies on alcohol
 N01DH-24077-07 International collaborative study of dental manpower systems
 ** P18HL-16005-01 0006 Comprehensive sickle cell center of the University of Chicago - Undergraduate, graduate, professional education, and international cooperation
 ** P01HS-00110-11 0005 Medical care and patient care research program (human) - Review of planning methods
 ** P01HS-00110-11 0007 Medical care and patient care research program (human) - Ecology of medical care
 R13LM-01810-02 International anatomical nomenclature (U.S. participation)
 R01MH-23593-01 Changing mass publics of advanced industrial society
 R03MH-25881-01 Comparative analysis of rates of violent crimes
SOCIOLOGY AND ANTHROPOLOGY OTHER, POLITICS
 R01HD-04602-05 Goals and conditions of population control (human)
 ** P01HD-05798-01 0002 Center for population research award - Political science studies
 P01HD-05876-03 0033 Center for population research - Problems and policy including legislation
 ** R01HD-06604-02 The politics of population policy in Latin America
 R01HD-07188-01 Ethnography of poor black women
 R01HD-07565-01 Dynamic 'World system' models
 R01HD-07817-01 Ethnic politics and population composition
 P01HS-00110-11 0005 Medical care and patient care research program (human) - Review of planning methods
 R01HS-00541-03 Interorganizational networks of urban health services
 ** R21HS-01447-01 Socio-political impact of sickle cell disease
 R01HS-01495-01 Federal program implementation in selected states
 R01MH-02100-17 An analysis of the process of cultural change (Mexico)
 R01MH-15708-05 Leisure and mental health-Cultural and age factors

** R01MH-18060-05 The permanent community sample (human)
 R01MH-18168-04 Socio-political aspects of internal migration (India)
 R01MH-19222-02 Process and impacts of a state hospital closing
 ** R01MH-19930-03 Information, values, and urban policy formation
 R01MH-21854-02 Social antecedents of acts of interpersonal violence
 R01MH-22424-02 The causes and consequences of credibility in TV news
 ** R01MH-22929-02 Suburban realtors and the politics of suburban housing
 ** R01MH-23467-01 Impact of religious belief on voting behavior
 R01MH-23593-01 Changing mass publics of advanced industrial society
 R01MH-23604-02 Self survey of the black community of Topeka, Kansas
 R01MH-23786-01 Changing urban family roles
 ** R01MH-25292-01 Municipal employee unions-Impact on service delivery
 R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
 R03MH-25881-01 Comparative analysis of rates of violent crimes
 ** R03MH-25921-01 Language use and political interaction (Turkey)
 ** R03MH-26052-01 Contextual influences on individual choice behavior an
 R01MH-26184-01 Racial and socio-economic pluralism in a new town
SOCIOLOGY AND ANTHROPOLOGY OTHER, RELIGION
 SEE ALSO SOCIAL GROUPS, RELIGIOUS
 N01CP-43382-00 Epidemiological investigation of cancer in Utah
 N01HD-12215-04 Growth of Mexican-American families
 R01LM-01396-03 History of health in Indian and Oklahoma territories
 R01LM-01804-02 The medical enlightenment, 1695-1750
 R01MH-02100-17 An analysis of the process of cultural change (Mexico)
 R01MH-15708-05 Leisure and mental health-Cultural and age factors
 R01MH-19589-01 Comparative study of communal living arrangements
 R01MH-22012-03 Field research in cognitive anthropology (Peru)
 R01MH-23262-02 Assimilation of Latin American minorities in the US
 ** R01MH-23467-01 Impact of religious belief on voting behavior
 R01MH-25688-01 Culturally constituted defenses in three groups (micronesia, Israel, Burma)
SOCIOLOGY AND ANTHROPOLOGY OTHER, RELIGION, CLERGY
 R01MH-22884-02 Organizational control and social change
SOCIOMETRY
 ** R01AA-00317-01 Sociometric profile of alcoholism
 ** R01HD-07565-01 Dynamic 'World system' models
 ** P01HS-00110-11 0028 Medical care and patient care research program (human) - Development of index community health
 ** P01MH-12972-08 0010 Research program in personality assessment - Small group sociometry (human)
 R01MH-22294-02 Measuring morale and related concepts
 R01MH-22743-02 Structural properties of social phenomena
 ** R01MH-23809-02 Sociometrics of primates (Rhesus monkeys)
 R03MH-24502-01 Comparison of several classroom management systems
SOCIOPATHIC PERSONALITY
 SEE PSYCHOLOGY ABNORMAL, SOCIOPATHIC PERSONALITY
SODIUM, RADIOLABELED
 SEE RADIOLABELED SODIUM*
SODIUM 24
 SEE RADIOISOTOPES, SODIUM 24
SODIUM ACETRIZOATE
 SEE RADIOGRAPHY, CONTRAST MEDIA, TRIODOBENZOATE*
SODIUM
 SEE ALSO BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, SODIUM PUMPS
 SEE ALSO BODY FLUID BALANCE, IONIC, HYPERNATREMIA
 SEE ALSO BODY FLUID BALANCE, IONIC, HYPONATREMIA
 SEE ALSO KIDNEY FUNCTION, SALURESIS
 R01AA-00312-03 0003 Acute and chronic gastric mucosal injury due to alcohol - Mechanism of gastric mucosal injury caused by alcohol (rats, guinea pigs)
 R01AA-00312-03 0004 Acute and chronic gastric mucosal injury due to alcohol - Abnormalities in gastric secretion preceding alcoholic injury (guinea pigs, rat)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R01AA-00372-01 Alcohol and serotonin on sodium fluxes (human, toads)
 R01AI-05637-12 Mechanisms of oxidative energy generation in bacteria
 R22AI-09029-06 0010 Cholera toxin and intestinal ion transport - Mechanism regulating active transport in rabbit ileum
 R07AI-10050-14 0001 International center for medical research - Nutrition and metabolism (human)
 R01AM-00668-20 Calcium and phosphate transport (rats)
 R01AM-01392-18 0001 Structure and function of intestinal cell membranes - Transport properties of membranes (rat microvillus, lateral-basal membrane)
 R01AM-02306-16 Ionic interactions in electrolyte metabolism (toads)
 R01AM-02827-15 Water and electrolyte fluxes across gastrointestinal mucosa (human, dogs, rats)
 R01AM-03602-15 Utilization of substrates by the kidney in vivo (dogs, rats)
 R01AM-05865-11 Ion transport across biological membranes (frogs)
 R01AM-06074-16 Renal pathology studied with electron microscopy (human, rats, rabbits)
 ** P01AM-06741-12 0029 Dialysis in treatment of chronic uremia - Sodium excretion and hypertension (human)
 P01AM-06741-12 0030 Dialysis in treatment of chronic uremia - Bone electrolyte research (dogs)
 P01AM-07462-11 0060 Hormonal regulation of metabolism - Sodium and potassium ion-transport ATPase of guinea pig kidney
 R01AM-08123-11 Role of univalent cation salts in nutrition (bacteria, algae)
 P01AM-09976-09 0005 Renal disease - Ion transport and metabolism (toads, rats, rabbits, human)
 P01AM-10824-08 0014 Cellular immunity - Aldosterone metabolism in anephric patients
 R01AM-10844-08 Micropuncture study of renal tubular function (human, dogs, baboons)
 R01AM-10894-08 0008 Genetic metabolic diseases of infancy and childhood - Sugar transport in rat kidney cortex (also rabbits, dogs, human)
 R01AM-10894-08 0013 Genetic metabolic diseases of infancy and childhood - ATP content and correlation with amino acid transport of stored slices (rats)
 R01AM-11061-09 The juxtaglomerular complex (dogs, mice, rats, fish, human)
 R01AM-11356-07 Ion transfer and metabolism in mammalian red cells (human, dogs)
 R01AM-12028-08 Ion transport across epithelial membranes (frogs, toads, rabbits)
 R01AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
 R01AM-12619-07 Active sugar transport in renal cells (rats, rabbits)
 R01AM-12715-06 Ion transport in small intestine (frogs)
 R01AM-12768-06 Intestinal motility-myogenicity neural control (cats, guinea pigs, rabbits)
 R01AM-12934-05 Physiology of the secretion of sweat (human, cats, rats, primates)
 R01AM-13023-06 A physical approach to stone formation
 R01AM-13113-06 Electrolyte transport in single nephrons (rats)
 R01AM-13182-06 Active transport in epithelia (frogs, rabbits)
 P01AM-13385-06 0002 Cystic fibrosis - Sodium transport and intestinal membrane permeability (human)
 R01AM-13484-05 Solute water transport across membranes (frogs)
 ** R01AM-13601-03 Na-K-ATPase and renal tubular transport of sodium (rats, dogs)
 ** R01AM-13659-04 Transepithelial sodium transport (toad)
 R01AM-13660-04 Pathology of biomedical disorders in vitro
 R01AM-13660-04 0001 Pathology of biomedical disorders in vitro - Cystic fibrosis (human)
 ** R01AM-13845-05 Water and electrolyte movement in renal tubules (rats, frogs)
 R01AM-13859-04 Renal chloride excretion (dogs, rats)
 R01AM-13888-05 Control of fluid absorption by the mammalian nephron (rats, rabbits)
 R01AM-13981-05 Physiological aspects of membrane cation transport (human, goats)
 R01AM-14225-04 Hydrogen ion regulation by the mammalian nephron (human, dogs)
 R01AM-14264-05 Cation transport in erythrocytes and the kidney (rats)
 R01AM-14401-04 Metabolism and function of the perfused rat kidney
 R01AM-14423-04 Cellular mechanisms of renal potassium excretion (rats, amphiuma)
 R01AM-14669-04 Intestinal electrolyte transport in disease (human, rabbits, guinea pigs, rats)
 R01AM-14677-04 Transport properties of isolated perfused nephrons (rabbits)
 R01AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
 R01AM-14915-04 Aldosterone stimulation of sodium transport (anurans, rats)
 R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
 R01AM-14990-03 Sugar and electrolyte absorption in intestine (rabbits)
 R01AM-15162-03 Factors affecting renal lithium elimination (human, rats)
 R01AM-15175-05 Water and electrolyte transport in the bladder (toads)
 ** R01AM-15365-04 Mechanism of sodium-dependent metabolite transport
 R01AM-15450-03 Studies on mammalian collecting duct function
 R01AM-15534-02 Prostaglandin and calcium interactions on sodium transport (anurans)
 R01AM-15745-02 Amino acid transport systems in intestine (chickens)
 ** R01AM-15843-03 Role of the renal nerves in sodium retaining states (dogs)
 R01AM-16024-03 Mechanisms of active and passive solute transport (frogs)
 R01AM-16093-03 Renal function after bile duct obstruction (human, dogs)
 ** R01AM-16196-03 Cation transport in erythrocytes (sheep, goats)
 ** R01AM-16258-02 Mechanism of eccrine sweat gland function (human, cats, monkeys)
 R01AM-16275-02 Ion transport by mammalian small intestine (rabbits)
 R01AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
 R01AM-16327-02 Microtubules and filaments in action of vasopressin (frogs)
 R01AM-16436-01 Red blood cell calcium in health and disease (human)
 ** R01AM-16483-01 Purification of active fragments of the sodium pump
 R01AM-16505-02 GI hormones—Effect on growth and metabolism of GI mucosa (human, rats)
 R01AM-16539-02 Regulation of phosphate transport in toad bladder
 ** R01AM-16564-02 Sodium transport regulation by chlorine permeability alteration (frogs)
 R01AM-16586-01 Transport and the intracellular fluids (Drosophila, chironomidae, toad)
 ** R01AM-16638-02 Studies of uremia and exchanges of ions and water
 R01AM-16663-03 Electrophysiology of skin and kidney tubules (frogs, rabbits)
 R01AM-16747-01 Blood brain barrier and carbohydrate metabolism (dogs, rabbits)
 ** P01AM-16764-02 0004 Disorders of renal acidification - Renal tubular transport of sodium and potassium (human)
 R01AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)
 ** R01AM-16775-02 Sources of energy for renal sodium transport (rats)
 R01AM-16914-01 Red cell cation transport and contractile function (human)
 R01AM-16928-01 Renal transport mechanisms
 ** P17AM-17026-01 0025 Vanderbilt University Diabetes-Endocrinology Center - Mechanism of sodium-potassium ion transport ATPase (guinea pigs)
 R01AM-17054-01 Sodium urate nucleation (human)
 R01AM-17081-01 CA02 release from sarcoplasmic reticulum (frogs)
 ** R01AM-17153-01 Mechanisms of bile secretion—Role of sodium transport
 P01AM-17195-01 Kidney in health and disease (dogs)
 R01AM-17234-01 Effects of lithium on renal function (human, rats)
 R01AM-17326-02 Studies of pituitary hormone secretion and synthesis
 R01AM-17336-01 Mechanism of heat production during cold adaptation (mice)
 ** R01AM-17341-01 Humoral inhibitor of sodium transport (human, rats, dogs, toads)
 R01AM-17361-01 Gut sugar transport—Electrophysiology and energetics
 R01AM-17362-01 Intestinal absorption after bowel resection (human)
 R01AM-17372-01 Regulation of extracellular transepithelial transport
 R01AM-17414-01 Molecular aspects of Na-coupled transport
 P01AM-17433-01 0013 Cardiovascular, metabolic aspects of membrane transport - Hereditary defect in erythrocyte transport (human)
 P01AM-17433-01 0014 Cardiovascular, metabolic aspects of membrane transport - Erythrocyte transport defect in cancer (human)
 ** P01AM-17433-01 0015 Cardiovascular, metabolic aspects of membrane transport - Cation transport and metabolism in abnormal red cells (human)
 P01AM-17433-01 0018 Cardiovascular, metabolic aspects of membrane transport - Membrane transport mutants of somatic cells (human, mice)
 P01AM-17433-01 0020 Cardiovascular, metabolic aspects of membrane transport - Electrogenic sodium transport in cardiac Purkinje cells (mammals)
 ** R01AM-17523-01 Gastrointestinal tract in control of sodium excretion (rabbits)
 ** R01AM-17571-01 Molecular mechanism of active transport
 R01AM-17574-01 Fluxes across biomembranes and peptide hormone action (rats)
 R01AM-17593-01 Numerical solution of renal transport equations
 ** R01AM-17642-01 Correlation of sodium and calcium transport in renal tubules (rats)
 R01AM-17750-01 Functional organization of the intestinal brush border (guinea pigs, mammals)
 R01AM-18083-01 Ionic regulation of gluconeogenesis (rats, guinea pigs)
 R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
 R01CA-06734-12 Mechanisms of solute transport in animal cells (rats)
 R01CA-11766-04 Ion transport and metabolic regulation in neoplasms (rats)
 R01CA-13529-02 Amino acid transport in normal and neoplastic cells (rats)
 R26CA-14649-02 Role of indole in urinary bladder carcinogenesis (hamsters)
 R01DC-00433-18 Influence of fluoride on wettability and restoratives (human)
 R01DE-02716-06 Mineralogy of calcifying tissues—Teeth and bones (human, sheep)
 R01DE-04081-01 Intracellular calcium metabolism in salivary glands
 N01ES-22110-06 Noise and ototoxic drugs on hearing loss (guinea pigs)
 R01EY-00483-07 Intraocular fluid dynamics (rabbits)
 R01EY-00484-07 Intraocular transport (rabbits, rats, sheep)
 R01EY-00506-06 Ion movement and distribution in the crystalline lens (rabbits, frogs)
 R01EY-00915-03 Transport processes across the corneal epithelium (human, monkey, rabbits)
 R01EY-00932-02 Molecular organization in rod outer-segment membranes (cattle)
 R01EY-01080-02 Bioelectrical properties of corneal endothelium
 R01EY-01221-01 Ionic mechanisms for retinal neuron potentials (mice)
 R01GM-03545-20 Metabolism and active ion transport in frog skin
 ** R01GM-11422-11 0001 Cell water, ions and control mechanisms - Cell water and its properties (frogs, birds)
 R01GM-11422-11 0002 Cell water, ions and control mechanisms - Physical state of K⁺ and other ions in cells (frogs)
 P01GM-12527-10 0003 Anesthetic and related drugs - Neuropharmacology (human, mammals, invertebrates)
 ** P01GM-14892-07 0001 The traumatized patient - Shock (human)
 P11GM-15559-07 0033 Clinical pharmacology - Drugs at the cellular and sub-cellular level (rats)
 P11GM-15559-07 0040 Clinical pharmacology - Analytical biochemistry in clinical pharmacology
 R01GM-15692-07 Red cell ion transport and lipid bilayers (human, dogs, flies)
 R01GM-15761-06 Genetic study of ion transport in Neurospora
 R01GM-16424-06 Enzyme systems using nuclear magnetic resonance
 P01GM-16593-06 0017 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the toad bladder
 P01GM-16593-06 0018 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Na and K movement into red blood cells in presence of contrast media
 R01GM-17536-05 Mechanism of action of anesthetics (rodents, amphibians, crustaceans)
 P01GM-18674-03 0001 Diagnostic radiology research and training center - Renal perfusion and vascular reactivity in normal and hypertensive man
 P01GM-18674-03 0007 Diagnostic radiology research and training center - Myocardial toxicity of contrast agents (dogs)
 P01GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)
 ** R01GM-19858-01 Sodium-mediated transport across bacterial membranes (E. Coli)
 R01GM-19998-02 Role of cell membrane in hormone secretion and action (rats, mice)
 R01GM-21423-01 Transport activity during lymphocyte stimulation (mice)
 R01GM-21681-11 Circulation and fluid volumes in burns (rodents, cats, dogs, primates, human)
 P01GM-21797-01 0001 The traumatized patient - Shock (human, baboons)
 R01HD-00727-09 Placental transfer of mineral elements (guinea pigs)
 R01HD-01233-19 Sites and reactants in amino acid transport (rabbits, rats, birds, bacteria)
 P01HD-02274-08 0004 Mental retardation and child development - Central laboratory for human embryology (and animals)
 P01HD-03015-08 0002 Program for developmental biology - Sodium dependent amino acid transport after fertilization
 R01HD-05093-12 Ion transport during development of Rana pipiens eggs
 R01HD-05572-03 Renal functional correlates of normal pregnancy (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- PO1HD-06267-03 0001 Role of biological membranes in aging processes - Changes in cardiac membrane properties (rats)
- RO1HD-06337-03 Blood flow distribution in the neonatal kidney (dogs)
- RO1HD-07091-02 Distribution and functions of ACH in placenta (human, animals)
- PO1HD-07110-02 0032 Biomedical center for population research - Hemodynamics and contraceptives
- RO1HD-07213-02 Role of ions in activation of the egg (sea urchins)
- RO1HD-08557-01 Amino acid transport during early development (mice)
- NO1HD-42849-00 Isolation of gonadal cell membranes and gonadotropin binding sites
- RO1HL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)
- ** RO1HL-01974-20 Ion-pump in the erythrocyte (rabbits, guinea pigs)
- RO1HL-02334-18 Micropuncture study of kidney function (rats)
- RO1HL-02799-17 Abnormal hemoglobins (human)
- RO1HL-02875-16 Mechanism of the action of cardiac glycosides (dogs)
- RO1HL-03212-17 Myocardial physiology (rabbits, cats)
- RO1HL-03303-17 Factors regulating electrolyte excretion by the kidney (human, dogs)
- RO1HL-03341-17 Epidemiology of atherosclerosis in Evans Co Georgia
- ** RO1HL-06285-14 0193 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport-Aldosterone (rats)
- ** RO1HL-06285-14 0194 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport-RNA synthesis (rats, toads)
- ** RO1HL-06285-14 0196 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport-Epithelial cell membranes (toads)
- PO1HL-06285-14 0198 Cardiovascular-respiratory physiology and biochemistry - Renal tubular secretion of hydrogen ion (animals)
- PO1HL-06308-14 0030 Mechanisms and therapy of circulatory disease - Relation of ionic movements, electrical and mechanical activity of muscle (frogs)
- ** PO1HL-06349-13 0006 Cardiovascular disease clinical program project - Hypertension in the black community and the influence of sodium
- PO1HL-06664-13 0011 Cardiopulmonary function in remediable vascular disease - Regulation of cell volume and composition
- PO1HL-06664-13 0021 Cardiopulmonary function in remediable vascular disease - Cardiac glycoside binding to normal ischemic myocardium (human, animal)
- PO1HL-06835-13 0001 Cardiovascular disease - Mechanisms of hypertension (human, dogs)
- PO1HL-07299-13 0071 Hypertension, shock and circulatory failure - Mineralocorticoid hypertension (human, rats)
- ** RO1HL-07906-12 Ion transport in cardiac muscle (dogs, rodents, cattle)
- PO1HL-08682-11 0014 Regulation of the cardiovascular system - Cardiovascular mechanisms involved in renal hypertension (dogs)
- RO1HL-09234-10 Amino acids of contractile proteins of failing hearts (dogs, hamsters)
- RO1HL-09921-09 0003 Mechanisms of congestive heart failure - Effect of sodium deprivation on tissue uptake and metabolism of aldosterone (rat)
- RO1HL-09921-09 0014 Mechanisms of congestive heart failure - Aldosterone and radiolabeled sulfur in kidney
- RO1HL-09921-09 0016 Mechanisms of congestive heart failure - Feedback gain of different control loops in aldosterone secretion system
- RO1HL-09921-09 0018 Mechanisms of congestive heart failure - Sodium depletion stimulus and volume depletion stimulus (dogs)
- ** RO1HL-10042-09 Steroidal regulation of active sodium transport (toads)
- RO1HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
- ** RO1HL-10612-08 0002 Humoral factors in experimental heart failure - Effects of renal arterial infusion of sodium and potassium on renin secretion (d)
- ** RO1HL-10612-08 0004 Humoral factors in experimental heart failure - Renin release during sodium depletion (dogs)
- RO1HL-10612-08 0006 Humoral factors in experimental heart failure - Control of deoxycorticosterone secretion (rabbits, bullfrogs)
- RO1HL-10884-08 Cardiac glycosides-Mechanisms of cellular action (human, animals)
- ** RO1HL-10914-08 Renal sodium transport in experimental aldosteronism (dogs)
- RO1HL-11155-08 Conduction in the myocardium (animals)
- PO1HL-11414-07 0021 Thrombosis and atherosclerosis program - Selectivity of ion transport (human, dogs)
- ** PO1HL-11679-07 0031 Cardiovascular dynamics and their control - Body fluid volume versus changes in body sodium in causing hypertension (sheep)
- PO1HL-12157-07 0027 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Active Na and K transport (guinea pigs)
- PO1HL-12157-07 0031 Functions and mechanisms of cell membrane ion transport - Lipid bilayer model membranes-Aromatic anion effects on ion selectivity
- PO1HL-12157-07 0032 Functions and mechanisms of cell membrane ion transport - Active K and Na transport in HK and LX sheep red cells
- ** PO1HL-12738-06 0032 Physiologic pharmacology and its clinical applications - Renin-angiotensin system (fish)
- RO1HL-12758-13 Regulation of aldosterone secretion (human, rats)
- RO1HL-12774-05 Depolarization-contraction relation-Heart muscle (cats, frogs)
- RO1HL-12824-04 Excitation-contraction coupling in myocardium (dogs)
- ** RO1HL-12827-05 Regulation of sodium excretion (dogs, rats)
- RO1HL-12990-05 Control of ADH secretion and metabolism (dogs, rats, rabbits)
- RO1HL-13237-04 Erythrocytes during early development (human, animals)
- RO1HL-13256-05 Amino acid transport by red cells (pigeons)
- RO1HL-13323-05 Intrarenal pressure and renal function (dogs)
- RO1HL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)
- RO1HL-13349-05 Analysis of activation process in heart muscle (guinea pigs, rabbits, human)
- RO1HL-13368-05 Angiotensin and hypertension (human, rats)
- ** RO1HL-13427-04 Neural control of blood volume (dogs)
- RO1HL-13476-04 Plasma aldosterone in normal and hypertensive man
- RO1HL-13513-03 Use of cell inhomogeneity to understand cation fluxes (dogs)
- RO1HL-13595-04 Renin and vascular hyper-reactivity in hypertension (human)
- RO1HL-13607-04 Role of catecholamines in hypertension (human)
- ** RO1HL-13647-03 Mechanisms controlling renal reabsorption of sodium (rats, neoturus)
- ** RO1HL-13653-04 Physiology of renin, aldosterone and prostaglandin (rabbits)
- ** RO1HL-13762-04 Steroids and sodium balance in essential hypertension (human, rabbits)
- ** RO1HL-13765-04 Humoral and homodynamic factors in sodium regulation (dogs)
- RO1HL-13798-03 Mechanisms of control of isotonic transport (rabbits)
- RO1HL-13802-04 Studies of human platelet inositides
- RO1HL-13810-03 Simultaneous measurement of cell pH by two methods (rats)
- RO1HL-13821-04 Angiotensin, prostaglandins, pressure and the kidney (rats)
- RO1HL-14075-03 Metabolism and intrarenal action of angiotensin II (dogs)
- RO1HL-14125-03 Ionic currents of cardiac muscle (frogs)
- RO1HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
- RO1HL-14133-04 Intrarenal regulation of sodium reabsorption (dogs)
- P17HL-14148-04 0002 Hypertension center - Catecholamine metabolism in subtypes of hypertension (human, animals)
- P17HL-14148-04 0008 Hypertension center - Renal circulation in hypertensive patients (also dogs)
- P17HL-14159-04 0008 Specialized center of research in hypertension - Pathophysiologic mechanisms in CV disease (dogs)
- PO1HL-14322-03 0006 Interdisciplinary program in biomaterials science - Transport mechanisms in synthetic membranes and biologic tissues (frogs, toads)
- ** PO1HL-14322-03 0016 Interdisciplinary program in biomaterials science - Transport mechanisms in synthetic membranes and biological tissues
- ** RO1HL-14328-03 Physiological regulation of ion transport and volume (human)
- ** PO1HL-14388-03 0011 Regulation of the circulation in pathological states - Effects of dietary sodium on blood pressure and vascular reactivity in man
- PO1HL-14388-03 0015 Regulation of the circulation in pathological states - Mechanism of natriuresis in hypertension (dogs)
- PO1HL-14388-03 0021 Regulation of the circulation in pathological states - Mechanism of natriuresis in heart failure (dogs)
- RO1HL-14535-03 Intrarenal aspects of the renin-angiotensin system (sheep, rats, rabbits)
- RO1HL-14641-09 Phosphate metabolism in transport (human)
- PO1HL-14780-02 0007 Mechanisms and treatment of cardiovascular diseases - Low pressure receptors and arterial baroreceptors (human)
- RO1HL-14784-03 Micropuncture studies on the mammalian renal medulla (rats)
- RO1HL-14863-02 Hypertension in man-Role of renin-aldosterone
- RO1HL-14944-02 Renal vascular reactivity in hypertensive patient
- RO1HL-14945-02 Modeling of renal sodium and water
- RO1HL-14982-02 Mechanism of renin release and angiotensin metabolism (human, dogs)
- P18HL-15157-03 0004 Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
- P18HL-15170-03 0013 Comprehensive sickle cell disease center - Effect of sodium and potassium cyanate treatment on hormone action (human)
- RO1HL-15232-02 Myocardial conversion of angiotensin I (dogs, rabbits)
- RO1HL-15571-02 Water and electrolytes in health and disease (human, rats, fish)
- RO1HL-15732-02 Mineralocorticoid hypertension (rats)
- RO1HL-15782-01 Mucopolysaccharide metabolism in cardiac anomalies (rats)
- PO1HL-15835-01 0018 Pennsylvania Muscle Institute - Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs)
- PO1HL-15835-01 0023 Pennsylvania Muscle Institute - Cellular basis of the Frank-Starling curve (frogs)
- RO1HL-16010-12 Cellular basis of cardiac contractility (frogs)
- RO1HL-16052-01 Cardiac glycosides-Mechanism of inotropic action (dogs, sheep)
- ** RO1HL-16055-01 Cardiovascular drugs and the Na/K-ATPase (rats, guinea pigs)
- ** RO1HL-16158-01 Potassium and sodium effects on the working heart (dogs, guinea pigs)
- RO1HL-16190-01 Effects of prostaglandins on human erythrocytes
- RO1HL-16318-16 Biochemistry of NaK ATPase and cardioactive drugs
- R13HL-16323-01 Properties and functions of Na⁺, K⁺-ATPase
- RO1HL-16417-01 Extrinsic fluorescence and membrane potentials
- RO1HL-16531-01 0004 Clinical cardiology-Emphasis hypertension - Plasma renin activity in a normal and hypertensive black american population
- RO1HL-16567-01 Differentiation of the heart-cell membrane (mice, chick)
- RO1HL-16611-01 Digitalis-receptor of the heart
- ** RO1HL-16658-01 Intrarenal mechanisms in chronic sodium retention (dogs)
- RO1HL-16778-01 Cardiac pharmacology of phenothiazine metabolites
- RO1HL-16847-01 Pathogenesis of glucocorticoid hypertension (rats)
- PO1HL-16851-01 0007 Human red cell membrane in health and disease - Transport across erythrocyte membrane components
- RO1MH-16841-06 0010 Effect of central nervous system lesions on drug action - Characteristics of evoked potentials from isolated olfactory cortex (guinea pigs)
- RO1NS-03321-13 Electrolytes in nerve and muscle function (frogs)
- RO1NS-04431-12 Autonomic transmission (dogs, cats, guinea pigs, rats)
- RO1NS-04618-11 Drug-receptor interactions (animals)
- RO1NS-05188-11 Ion movements and permeability of axon membranes (annelids, frogs, rats)
- RO1NS-05430-09 Changes in brain microsomal structure and composition (rats, rabbits, fish)
- PO1NS-06208-09 0004 Epilepsy research program - Action of diphenylhydantoin (lobsters, rats, cattle, rabbits)
- RO1NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
- RO1NS-07626-13 Tracer fluxes and net fluxes across cell membranes (squid)
- RO1NS-07681-07 Physiology of muscle function (frogs, amoeba)
- RO1NS-07758-06 NMR studies of cell excitation (frogs, rats)
- RO1NS-08137-06 Membrane activity theory
- RO1NS-08174-06 Molecular properties of ionic permeability in nerve (frogs)
- RO1NS-08300-06 Mechanisms of supersensitivity to drugs (mammals)
- ** RO1NS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
- RO1NS-08336-14 Ion fluxes in nerve and muscle (squid, barnacles)
- RO1NS-08442-06 Calcium transport and function in nerve and muscle (barnacles, rats)
- RO1NS-08601-05 Cellular biophysics of neuromuscular function (crabs, mammals, frogs)
- RO1NS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
- RO1NS-08951-06 Permeability mechanisms in excitable membranes (squid)
- RO1NS-09042-05 Presynaptic basis of neuromuscular transmission (rats)
- RO1NS-09420-04 Long-term nerve-muscle interactions (rats)
- RO1NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
- RO1NS-09985-03 Isolation and reconstitution of excitable membranes (cattle)
- ** RO1NS-10195-15 Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats)
- RO1NS-10216-03 Processing of acetylcholine by synaptic vesicles (guinea pigs)

(contd)

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- ROINS-10489-03 Nerve excitation—Molecular mechanisms (squid)
- ROINS-10799-01 Cerebral cortical edema in arteriovascular stroke (primates)
- POINS-10981-02 0002 Control of activity in excitable tissues - Studies on gating phenomena in nerve (squid, crayfish)
- ** POINS-10981-02 0006 Control of activity in excitable tissues - Conductance of single open sodium channel (lobsters)
- ** POINS-10981-02 0011 Control of activity in excitable tissues - Metabolic pathways in resting frog sartorius muscles
- ** POINS-10981-02 0014 Control of activity in excitable tissues - Sodium influx in sartorius muscles at rest and during activity
- POINS-10981-02 0015 Control of activity in excitable tissues - Effect of catecholamine and related agents on Na-ion transport in muscle (frogs)
- ** ROINS-11012-01 Neural mechanisms of a model drive system (rats)
- ** ROINS-11223-02 Regulation of ionic specificity of the sodium pump (squid)
- ROINS-11264-01 Amino acids as neurotransmitters (cats)
- ** ROINS-11362-01 The epilepsies—Na and K pump within brain synapses (cats)
- ROINS-11453-01 Ionic movements across nerve cell body membranes (Aplysia)
- ROINS-11764-02 Fluctuation phenomena and ion movements in membranes (squid)
- PO7RR-00007-11 0305 Computer processing in biomedical systems - Sodium potassium active transport process
- MO1RR-00031-14 0065 General clinical research center - Na intake and renal-adrenal response to angiotensin II (human, rabbits)
- MO1RR-00031-14 0066 General clinical research center - Influence of birth control pill on renal responsiveness to angiotensin II (human)
- MO1RR-00031-14 0068 General clinical research center - Pituitary-adrenal relationship—Aldosterone secretion in normal man
- MO1RR-00034-14 0088 General clinical research center - Study of Na transport from intestine in uremia (human)
- MO1RR-00042-14 0070 General clinical research center - Renin, mineralocorticoid, sweat Na and K in certain ethnic groups
- ** MO1RR-00050-13 0058 Wilson's disease - Clinical studies of sodium control system in uremia (human)
- MO1RR-00056-13 0053 General Clinical Research Center - Effect of postures on cycles of renal and adrenal function (human)
- MO1RR-00056-13 0056 General Clinical Research Center - Amino acid, sodium and water absorption in diarrhea (human)
- ** MO1RR-00056-13 0058 General Clinical Research Center - Neurophysin in human sodium balance
- MO1RR-00056-13 0068 General Clinical Research Center - Polycystic kidney disease (human)
- MO1RR-00059-13 0153 General clinical research center - Effects of dietary sodium and potassium on blood pressure (human)
- MO1RR-00065-12 0038 General clinical research center - Relationship of renin-angiotensin system, ACTH on adrenal steroid output (human)
- MO1RR-00083-12 0012 General clinical research center - Sodium regulation in hypertensive post-renal transplant child
- MO1RR-00125-11 0211 General clinical research center - adult-child - Effect of hypoalbuminemia on Na reabsorption in nephrotic syndrome
- MO1RR-00133-10 0056 General clinical research center - Control of body osmolality in diabetics (human)
- MO1RR-00633-02 0070 General clinical research center - Relationship PRA, ACTH, K, Na, GH and aldosterone in aldosteronism (human)
- PO7RR-00679-02 0007 Biotechnology resource in electronprobe analysis - Potassium, sodium and chlorine ions in mouse gastric mucosa
- SODIUM BICARBONATE**
- PO2CA-05826-13 0064 Clinical cancer research center - Aldosterone in potassium wastage following urinary tract diversion
- RO1HL-13921-03 Interaction between electrolytes and respiration (human, rats)
- RO1HL-15779-01 Aspiration pneumonia—Pathophysiology and treatment (dogs)
- P18HL-15999-02 0013 Miami comprehensive sickle cell center - Renal acidification in sickle cell disorders (human)
- MO1RR-00828-01 0023 General clinical research center - Hydrogen ion retention in diabetic acidosis and ketosis
- SODIUM CHLORIDE**
- SEE ALSO NUTRITION, DIET THERAPEUTIC, SALT RESTRICTED
- RO1AM-03539-15 Endocrine regulation—Comparative studies (frogs, crustaceans)
- ** RO1AM-09768-09 Proximal renal tubular fluid transport in vitro (rats)
- RO1AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
- ** RO1AM-14677-04 Transport properties of isolated perfused nephrons (rabbits)
- PO1GM-16934-06 0016 Sulfonamides and carbonic anhydrase—Basis for therapy - Rate of transport of NaCl and HCO₃ from plasma to cerebrospinal fluid (cats)
- RO1GM-20228-01 Human analgesic assay with laboratory pain
- RO1HL-01270-22 Salt and water retention of heart failure (human, rabbits)
- RO1HL-02262-19 Mechanisms regulating plasma proteins and solutes (human, calves)
- ** PO1HL-06285-14 0199 Cardiovascular-respiratory physiology and biochemistry - Renal tubular reabsorption of sodium chloride (hamsters, rabbits)
- ** RO1HL-09911-08 Hormonal and dietary modification of NaCl toxicity (rats, mice)
- RO1HL-12707-04 Mechanism of renal circadian cycles (human, dogs, rabbits, guinea pigs)
- P17HL-14159-04 0001 Specialized center of research in hypertension - Genetic studies in hypertension and renin secretion (human)
- ** P17HL-14230-04 0016 Lipids, atherosclerosis and thrombosis - Dietary sodium and blood pressure (human)
- P17HL-15103-03 0004 Specialized center of research-arteriosclerosis - Bogalusa family studies—Nutrition (children)
- RO1MH-15473-06 Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats)
- RO1NS-09140-04 Internal sensing systems and drinking behavior (rats)
- RO1NS-10389-03 Ionic mechanisms of taste receptor interaction (rats)
- RO1OH-00340-05 0006 Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
- ** RO1OH-00340-05 0011 Respiratory effects of inhaled gases and aerosols - Sulfur dioxide plus sodium chloride—Functional effects (guinea pigs)
- ** MO1RR-00031-14 0032 General clinical research center - Effect of sodium intake on renal blood flow (human)
- MO1RR-00043-14 0082 General clinical research center - Progress of PGA1 dynamics and production rates (human)
- MO1RR-00060-13 0043 General clinical research center - Sodium intake and furosemide administration in hypertensive azotemia (human)
- MO1RR-00084-12 0034 General clinical research center - children - Adrenal cortical function—Salt-losing adrenogenital syndrome
- MO1RR-00133-10 0067 General clinical research center - Distribution kinetics of water, salt and 125I albumin in normal subjects
- MO1RR-00722-02 0005 General Clinical Research Center - Mineralocorticoid metabolism in hypertension and catecholamine production (human)
- MO1RR-00827-01 0009 General clinical research center - Effect of sodium, posture antihypertensive agents on renin-aldosterone (human)
- SODIUM NITROFERRICYANIDE (NITROPRUSSIDE)**
- SEE IRON CYANIDES, SODIUM NITROFERRICYANIDE
- SODIUM PUMPS**
- SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, SODIUM PUMPS
- SODIUM SULFATES**
- PO1AM-16764-02 0002 Disorders of renal acidification - Renal tubular acidosis with acquired mineralocorticoid deficiency (human)
- P11GM-15477-08 0125 Drug metabolism and biochemical pharmacology - L-cysteine and sodium thiosulfate effect on cyclophosphamide metabolites
- SODIUM TRANSPORT DISORDERS, BARTTER'S SYNDROME**
- SEE METABOLIC DISORDERS INBORN, BARTTER'S SYNDROME
- SOFT CONTACT LENSES**
- SEE EYE DISORDERS, OPTICAL AIDS, CONTACT LENSES
- SOFT RAY ELECTRON MICROSCOPY**
- SEE OPTICS, MICROSCOPY, ELECTRON, SREM*
- SOIL**
- RO1AJ-04156-13 Microbial iron metabolism (fungi, mammals, bacteria)
- ** PO1DE-01850-11 0034 Fluoride metabolism - Fluoride and calcitonin function (rats)
- NO1DE-22003-05 Study dental caries etiology in Papua, New Guinea
- PO1ES-00210-07 0033 Center for environmental management - Movement of fertilizer nitrogen in soil
- ** NO1ES-22043-05 Fate of heavy metals and heavy metal complexes in soils and plants
- SOIL MICROBIOLOGY**
- SEE ENVIRONMENT, ECOLOGY ORGANISMS, SOIL MICROBIOLOGY
- SOIL POLLUTION**
- SEE ALSO PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), POLLUTANTS INTERACTION
- PO1ES-00040-10 0004 Environmental toxicology of pesticides - Comparative metabolism of chemical toxicants (plants, rats)
- PO1ES-00040-10 0005 Environmental toxicology of pesticides - Molecular interactions
- PO1ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
- PO1ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
- ** PO1ES-00054-10 0010 Environmental impact of chlorinated hydrocarbons - Dissipation and transport of chlorinated hydrocarbons in soil
- ** RO1ES-00205-21 Insecticide metabolism in animals and microorganisms (plants, insects, mammals)
- RO1ES-00634-03 Biochemistry of arsenate (plants)
- RO1ES-00675-01 Drug and chemically induced chromosomal aberrations (Aspergillus)
- PO1ES-00735-01 0002 Public health hazards and environmental fate of parathion - Penetration, uptake and degradation products (fruits, vegetables)
- PO1ES-00735-01 0003 Public health hazards and environmental fate of parathion - Deposit and drift (air, soil, plants, insects, human)
- RO1ES-00807-01 Selenium toxicity—Role of methionyl-tRNA synthetases (plants)
- R23HL-17205-01 Lung metalloenzymes—Regulation by metals and gases (rats)
- SOILBORNE MICROBES**
- SEE ENVIRONMENT, ECOLOGY ORGANISMS, SOIL MICROBIOLOGY
- SOLANUM ALKALOIDS**
- SEE ALKALOIDS, SOLANUM
- SOLAR RADIATION**
- SEE RADIATION, ELECTROMAGNETIC WAVES, SOLAR RADIATION
- SOLID SOLUTIONS**
- SEE PHYSICAL PROPERTIES, SOLUTIONS, SOLID
- SOLID STATE**
- SEE PHYSICAL PROPERTIES, SOLID STATE
- SOLUBILITY**
- SEE PHYSICAL PROPERTIES, SOLUBILITY
- SOLUBLE RIBONUCLEIC ACID**
- SEE NUCLEIC ACIDS, TRNA
- SOLUTES**
- SEE PHYSICAL PROPERTIES, SOLUTES
- SOLUTIONS**
- SEE PHYSICAL PROPERTIES, SOLUTIONS
- SOLUTIONS (DOSAGE FORM)**
- SEE DOSAGE FORMS
- SOLUTIONS ASSOCIATION**
- SEE PHYSICAL PROPERTIES, SOLUTIONS ASSOCIATION
- SOLVENT PERTURBATION METHOD**
- SEE CHEMISTRY, ANALYTICAL METHODS, SOLVENT PERTURBATION*
- SOLVENTS**
- SEE PHYSICAL PROPERTIES, SOLVENTS
- SOLVOLYSIS**
- SEE CHEMICAL REACTIONS, SOLVOLYSIS
- SOMATESTHESIA**
- SEE SENSORY PERCEPTUAL PROCESSES, SOMESTHESIS
- SOMATIC AFFERENT NERVES**
- SEE NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
- SOMATIC ANTIGENS, BACTERIAL**
- SEE IMMUNOLOGY, ANTIGENS BACTERIAL, SOMATIC ANTIGENS
- SOMATIC ANTIGENS, NONMICROBIAL**
- SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)
- SOMATIC CELL GENETICS**
- SEE GENETICS, SOMATIC CELL AND TRANSFORMATION
- SOMATIC REFLEXES**
- SEE NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES
- SOMATOLOGY (GENERAL)**
- SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)
- SOMATOMAMMOTROPIN, CHORIONIC**
- SEE REPRODUCTIVE HORMONES, CHORIONIC SOMATOMAMMOTROPIN
- SOMATOMEDIN**
- SEE GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR)(THYROIDINE FACTOR)
- SOMATOSENSORY MOTOR SYSTEM (GENERAL)**
- SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

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(contd)

SOMATOTROPIN

SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN

SOMATOTROPIN REGULATING FACTORS

SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN REGULATING FACTORS

SOMATOTYPES

SEE BODY PHYSICAL CHARACTERISTICS, SOMATOTYPES

SOMESTHESIS

SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SOMESTHETIC SENSORY AREA

SEE BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA

SONAR

SEE PHYSICAL PROPERTIES, SOUND, ECHO LOCATION

SORBITOL

SEE SUGAR ALCOHOLS, HEXITOLS, D-GLUCITOL

SORBITOL DEHYDROGENASE

SEE OXIDOREDUCTASES, SORBITOL DEHYDROGENASE

SORBOSE

SEE HEXOSES, SORBOSE

SOTALOL

SEE SULFONAMIDES, SOTALOL

SOUND

SEE PHYSICAL PROPERTIES, SOUND

SOUND FREQUENCY

SEE PHYSICAL PROPERTIES, SOUND FREQUENCY

SOUND IMPEDANCE

SEE PHYSICAL PROPERTIES, SOUND IMPEDANCE

SOUND LATERALIZATION

SEE EAR, HEARING, BINAURAL HEARING

SOUND MEASUREMENTS, HEART

SEE HEART EXAMINATIONS, HEART SOUND MEASUREMENTS*

SOUND MEASUREMENTS, VASCULAR

SEE CARDIOVASCULAR METHODS DIAGNOSTIC, SOUND MEASUREMENTS, VASCULAR*

SOUND (SPEECH) VIEWER

SEE INFORMATION AND COMMUNICATION, SOUND (SPEECH) VIEWER

SOUND TRAUMA DEAFNESS

SEE EAR DISORDERS, HEARING DISORDERS, SOUND TRAUMA DEAFNESS

SOUTH AMERICA

SEE GEOGRAPHICAL SITES, S. AMERICA

SOUTH AMERICANS

SEE SOCIAL GROUPS, ETHNIC, S. AMERICANS

SOUTHEAST ASIA

SEE GEOGRAPHICAL SITES, ASIA SOUTHEASTERN

SOUTHEAST ASIANS

SEE SOCIAL GROUPS, ETHNIC, ASIANS, SOUTHEASTERN

SOY BEAN

SEE PLANTS, FABACEAE, PHASEOLUS*

SPACE BIOLOGY, MEDICINE

SEE ENVIRONMENT, EXTRATERRESTRIAL, SUPRATERRESTRIAL

SPANISH-AMERICANS

SEE SOCIAL GROUPS, ETHNIC, AMERICANS, SPANISH-AMERICANS

SPARGANOSIS

SEE PARASITIC DISEASES, HELMINTH INFECTIONS, SPARGANOSIS

SPARSOYCIN

SEE ANTIBIOTICS, SPARSOYCIN

SPASM

SEE NEUROMOTOR DISORDERS, SPASM

SPASMOLYTICS

SEE MUSCLE RELAXANTS, ANTISPASMODICS

SPASTIC PARALYSIS

SEE NEUROMOTOR DISORDERS, PARALYSIS, SPASTIC

SPASTIC PSEUDOSCLEROSIS

SEE NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM

SPATIAL PERCEPTION

SEE SENSORY-PERCEPTUAL PROCESSES, SPATIAL PERCEPTION

SPATIAL PERCEPTION VISUAL

SEE EYE, VISION, SPATIAL PERCEPTION VISUAL

SPECIAL (REMEDIATION) EDUCATION

SEE EDUCATION, SPECIAL (REMEDIATION)

SPECIAL INTEREST GROUPS

SEE SOCIAL GROUPS, SPECIAL INTEREST

SPECIAL REVIEW-RESEARCH (MH)

SEE (MENTAL HEALTH) SPECIAL REVIEW-RESEARCH (MH)

SPECIES

SEE BIOLOGY, SYSTEMATIC, SPECIES

SPECIFIC GRAVITY

SEE PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)

SPECIFIC RED CELL ADHERENCE TEST FOR CANCER

SEE NEOPLASMS DIAGNOSIS, SPECIFIC RED CELL ADHERENCE TEST

SPECTACLES

SEE EYE DISORDERS, OPTICAL AIDS

SPECTROGRAPHY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY*

SPECTROMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY*

SPECTROPHOTOFUOROMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROPHOTOFUOROMETRY*

SPECTROPHOTOMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY*

SPECTROPOLARIMETRY

SEE OPTICAL POLARIZATION, SPECTROPOLARIMETRY*

SPECTROREFLECTOMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROREFLECTOMETRY*

SPECTROSCOPY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY*

SPECTROSCOPY, FOURIER TRANSFORM

SEE OPTICS, INTERFEROMETRY*

SPECTROSONOGRAPHY (HEART)

SEE HEART EXAMINATIONS, HEART SOUND MEASUREMENTS*

SPEECH

SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

SPEECH DISORDERS

SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS

SPEECH SYNTHESIZER

SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER

SPEECH THERAPY

SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY

SPEECH VIEWER

SEE INFORMATION AND COMMUNICATION, SOUND (SPEECH) VIEWER

SPERM CAPACITATION

SEE FERTILITY, SPERM CAPACITATION

SPERM MOTILITY

SEE FERTILITY, SPERM MOTILITY

SPERMATOGENESIS

SEE FERTILITY, SPERMATOGENESIS

SPERMATOZOA

SEE FERTILITY, SPERM (ALL STAGES)

SPERMIDINE

SEE AMINES, SPERMIDINE

SPERMINE

SEE AMINES, SPERMINE

SPHEROCYTOSIS HEREDITARY

SEE BLOOD AND RE DISORDERS, ANEMIA HEMOLYTIC CONGENITAL, SPHEROCYTOSIS HEREDITARY (GENERAL)

SPHEROIDAL CELL CARCINOMA (CARCINOID)

SEE NERVOUS NEOPLASMS, CARCINOID

SPHINCTERS

SEE GASTROINTESTINAL SYSTEM, ESOPHAGOGASTRIC JUNCTION (REGION)

SEE GASTROINTESTINAL SYSTEM, RECTUM AND ANUS

SEE GASTROINTESTINAL SYSTEM, STOMACH, PYLORIC REGION

SEE PROSTHETIC SPHINCTERS

SEE URINARY TRACT DISORDERS, URINARY BLADDER SPHINCTER DISORDERS

SPHINGOLIPIDOSES

SEE METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES

SPHINGOLIPIDSSEE ALSO GLYCOSPHINGOLIPIDS
SEE ALSO METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES

R01AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)

** R01AM-12434-07 Chemistry and metabolism of sphingolipids (human, dogs)

PO1CA-08748-09 5402 Research program of Sloan-Kettering Institute - Protein-lipid complexes of proteolipid type in malignancy (human, rats, mice)

PO1GM-15253-08 0022 Genetics in medicine-Gene action in man - Clinical genetics

R01HD-07406-01 Chemotherapy and models of heritable sphingolipidoses (rats)

R01HL-11897-07 Pathogenesis of coronary atherosclerosis (human)

R01NS-02476-15 The chemistry of cells and cell portions from CNS (human, animals)

** R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)

PO1NS-08711-04 0003 Fundamental studies relating to multiple sclerosis - Myelin and white matter glial cells (human, cattle)

R01NS-08990-04 Metabolism of sphingosine and beta-ecdysone (crayfish)

** R01NS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)

R01NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)

PO1NS-10920-02 0005 Development and regeneration in the nervous system - Development of neuronal cell body (rats, dogs)

** R01NS-11119-01 Sphingolipid metabolism in selected human tissues (human)

** R01NS-11615-01 Assembly and maintenance of myelin sheath (mice, rats)

SPHINGOLIPIDS, CERAMIDE

R01AM-17223-01 Role of Golgi apparatus in kidney cells (rats)

PO1HD-04147-06 0019 Research in mental retardation - Farber's disease (human)

PO1HD-08315-01 0005 Biochemical, genetic and other studies in retardation - Organic metabolites related to mental retardation (human)

R01HL-12236-06 Biological synthesis of protein (human, mammals)

R01NS-10473-03 0002 Brain lipids in diffuse demyelinating disease - Enzymatic studies of Farber's lipogranulomatosis-Ceramidase assay (human)

SPHINGOMYELINASE DEFICIENCY (NIEMANN-PICK TYPE)

SEE METABOLIC DISORDERS INBORN, SPHINGOMYELINOSES, NIEMANN-PICK DISEASE

SPHINGOMYELINS

SEE PHOSPHOLIPIDS, PHOSPHOSPHINGOLIPIDS, SPHINGOMYELINS

SPHINGOSINE

R01AI-01575-18 Nutrition and metabolism of microorganisms

** R01AM-12434-07 Chemistry and metabolism of sphingolipids (human, dogs)

R01GM-11653-14 Molecular arrangement in complex lipids

** PO1HD-04147-06 0003 Research in mental retardation - Structure of cerebrosin phosphate (yeast)

R01HL-12236-06 Biological synthesis of protein (human, mammals)

R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)

** R01NS-08990-04 Metabolism of sphingosine and beta-ecdysone (crayfish)

R01NS-10330-03 Cerebral sphingolipids and phospholipid metabolism (animals)

SPHINGOSINE, PHYTOSPHINGOSINE

** R01AM-12434-07 Chemistry and metabolism of sphingolipids (human, dogs)

SPIDER BITES AND VENOMS

SEE TOXICOLOGY, ANIMAL POISONS, ARTHROPOD, SPIDER

SPIELMEYER-VOGT SYNDROME

SEE METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUOSINOSIS, JUVENILE

SPIKE POTENTIAL

SEE ELECTROPOTENTIALS, SPIKE POTENTIAL

SPINA BIFIDA

SEE CONGENITAL ABNORMALITIES, FUSION FAILURES, SPINA BIFIDA

SPINACH

SEE PLANTS, VEGETABLES, SPINACH*

SPINAL ANESTHESIA

SEE SENSORY DEPRESSION, ANESTHESIA CONDUCTION, SPINAL

SPINAL CORD

SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD

SPINAL CORD COMPRESSION

SEE NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES

(contd)

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SPINAL CORD DISORDERS (GENERAL)

SEE NERVOUS DISORDERS CENTRAL, SPINAL CORD DISORDERS (GENERAL)

SPINAL CORD INJURIES

SEE NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES

SPINAL CORD LESIONS SURGICAL

SEE NEUROSURGERY, SPINAL CORD LESIONS SURGICAL

SPINAL CORD MAPPING

SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING

SPINAL CORD NEOPLASMS

SEE NERVOUS NEOPLASMS, SPINAL CORD

SPINAL DISORDERS

SEE SKELETAL DISORDERS, SPINAL DISORDERS

SPINAL FLUID

SEE NERVOUS SYSTEM CENTRAL, CEREBROSPINAL FLUID

SPINAL FUSION

SEE SKELETAL DISORDERS, ORTHOPEDICS, SPINAL FUSION

SPINAL FUSION, ANKYLOTIC

SEE SKELETAL DISORDERS, SPONDYLOSIS

SPINAL GANGLIA

SEE NERVOUS SYSTEM, GANGLIA, SPINAL GANGLIA

SPINAL INJURIES

SEE INJURIES, BACK, SPINAL

SPINAL MUSCULAR ATROPHY PROGRESSIVE

SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, SPINAL MUSCULAR ATROPHY PROGRESSIVE

SPINAL NERVES

SEE NERVOUS SYSTEM, SPINAL NERVES

SPINAL REFLEXES

SEE NEUROPHYSIOLOGY, REFLEX, SPINAL REFLEXES

SPINAL SCLEROSIS (HEREDITARY)

SEE BRAIN DISORDERS, CEREBELLAR DEGENERATION HEREDITARY, FRIEDREICH'S ATAXIA

SPINAL SHOCK

SEE NERVOUS DISORDERS CENTRAL, SPINAL SHOCK

SPINE

SEE SKELETAL SYSTEM, SPINE

SPIRANES

SEE CYCLICS, SPIRANES

SPIRILLUM RUBRUM

SEE BACTERIA, PSEUDOMONADALES, RHODOSPIRILLUM RUBRUM*

SPIRO COMPOUNDS

SEE CYCLICS, SPIRANES

SPIROCHETAL DISEASES (GENERAL)

** R01AI-10467-03 Studies on hereditary androcidal infections (*Drosophila*, microorganisms)

SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS

SEE ALSO SPIROCHETES, TREPONEMA
P13DE-02731-08 0001 Development support for dental research institute - Dental plaque bacteriology (human, rodent)

SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS, SYPHILIS

SEE ALSO SPIROCHETES, TREPONEMA PALLIDUM
** R01AI-02336-16 The biology of treponemes and treponemal infections (rabbits)
** R01AI-11102-02 Cellular immunity in syphilis (human, rodents, rabbits, monkeys)
** R01AI-11305-02 Cell-associated immunity in human syphilis
** R01AI-11384-02 Immunity in experimental syphilis (rabbits, guinea pigs)
** R01AI-12129-01 Cultivation of treponemes and immunity to syphilis
** P01AI-12192-01 0008 Venereal disease research - Immunity in experimental syphilis (guinea pigs, rabbits, human)
P01EY-00331-08 0005 Retinal morphology, function and clinical characteristics - Morphology and function (human, rats, rabbits)

SPIROCHETES

** R01AI-08124-07 Comparative studies of parasitic spirochetes
** R01AI-08248-07 Physiology and morphology of anaerobic spirochetes
** R01AI-10950-02 Maternally inherited agents in *Drosophila*
P01GM-14604-08 0004 Anaerobic bacteriological research program - Cell wall composition and antigenic properties

SPIROCHETES, LEPTOSPIRA

** R01AI-06589-10 Characterization of pathogenic and saprophytic *Leptospira*

R01AI-08124-07 Comparative studies of parasitic

spirochetes
P01HL-08214-11 0023 Chemical and biological properties of lipids - Lipids, lipid metabolism in microorganisms and mammalian cells

SPIROCHETES, REITER TREPONEME

P01AI-12192-01 0001 Venereal disease research - Clinical pathology and pathogenesis of gonorrhoea

SPIROCHETES, TREPONEMA

SEE ALSO SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS

** R01AI-02336-16 The biology of treponemes and treponemal infections (rabbits)
R01AI-08124-07 Comparative studies of parasitic spirochetes
R01AI-12129-01 Cultivation of treponemes and immunity to syphilis
** P01AI-12192-01 0007 Venereal disease research - Borreliae as vaccine source for syphilis (rabbits)
** P01GM-14604-08 0008 Anaerobic bacteriological research program - Fermentation of amino acids by treponemes
SPIROCHETES, TREPONEMA PALLIDUM
SEE ALSO SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS, SYPHILIS
SEE ALSO SPIROCHETES, REITER TREPONEME
SEE ALSO VACCINES, SYPHILIS VACCINES
** R01AI-10982-02 Cultivation of virulent *Treponema pallidum* (rabbits)
** R01AI-11283-02 Growth and metabolism of virulent *Treponema pallidum* (rabbits)
** R01AI-11305-02 Cell-associated immunity in human syphilis
** R01AI-11384-02 Immunity in experimental syphilis (rabbits, guinea pigs)
** N01AI-42536-00 In vitro cultivation of *Treponema pallidum*
** N01AI-42537-00 In vitro cultivation of *Treponema pallidum*
** N01AI-42538-00 In vitro cultivation of *Treponema pallidum*
P01EY-00331-08 0005 Retinal morphology, function and clinical characteristics - Morphology and function (human, rats, rabbits)
P01GM-14604-08 0008 Anaerobic bacteriological research program - Fermentation of amino acids by treponemes

SPIROMETRA

SEE HELMINTHS, CESTODES, SPIROMETRA

SPIROMETRY

SEE RESPIRATORY EXAMINATIONS, SPIROMETRY*

SPIRONOLACTONE

SEE STEROIDS SPIROLACTONES, SPIRONOLACTONE

SPIROSTANES GLYCOSIDES, DIGITONIN

R01AM-16483-01 Purification of active fragments of the sodium pump
R01GM-15259-11 X-ray crystal analysis of biological compounds

SPLANCHNIC NERVES

SEE NERVOUS SYSTEM AUTONOMIC, SPLANCHNIC NERVES

SPLEEN

SEE BLOOD AND RE SYSTEM, SPLEEN

SPLEEN TISSUE (CELLS) TRANSPLANTATION

SEE BLOOD AND RE SYSTEM, SPLEEN TISSUE (CELLS) TRANSPLANTATION

SPLENECTOMY

SEE BLOOD AND RE SYSTEM, SPLENECTOMY

SPLENIC ARTERY

SEE CARDIOVASCULAR SYSTEM, ARTERIES, SPLENIC ARTERY

SPLENIC DISORDERS

SEE BLOOD AND RE DISORDERS, SPLENIC DISORDERS

SPLENOMEGALY

SEE BLOOD AND RE DISORDERS, SPLENIC DISORDERS, SPLENOMEGALY

SPLENORENAL SHUNT FOR VENOUS BYPASS OF LIVER

SEE LIVER CIRCULATION, VENOUS BYPASS OF LIVER

SPLIT BRAIN

SEE BRAIN LESIONS SURGICAL, SPLIT BRAIN

SPONDYLITIS

SEE SKELETAL DISORDERS, SPONDYLITIS

SPONDYLITIS, RHEUMATOID

SEE SKELETAL DISORDERS, SPONDYLITIS RHEUMATOID

SPONDYLOEPIPHYSEAL DYSPLASIA

SEE METABOLIC DISORDERS INBORN, MUCOPOLYSACCHARIDOSIS, ECCENTROOSTEOCHONDRODYSPLASIA

SPONDYLOSIS

SEE SKELETAL DISORDERS, SPONDYLOSIS

SPONGES

P02CA-13943-02 0007 Clinical pharmacology immunology cancer research center - Antitumor agents from marine organisms and algae
R01DE-03424-03 Ultrastructural studies of calcification (mollusks, sponges, corals, algae)

SPONGIFORM VIRAL ENCEPHALOPATHIES, SUBACUTE

SEE NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM

SPORES, MICROBIAL

SEE REPRODUCTION MICROORGANISMS, SPORES

SPOROGENESIS, MICROBIAL

SEE REPRODUCTION MICROORGANISMS, SPOROGENESIS

SPOROZOA

SEE PROTOZOA, SPOROZOA GENERAL

SPREADING CORTICAL DEPRESSION

SEE BRAIN ELECTRICAL ACTIVITY, SPREADING CORTICAL DEPRESSION

SPREADING FACTOR

SEE CARBOHYDRASES, HYALURONIDASE

SPRUE

SEE GASTROINTESTINAL DISORDERS, SPRUE

SPUTUM

SEE BODY FLUIDS, SPUTUM

SQUALENE

SEE TERPENES, SQUALENE

SQUAMOUS CELL CARCINOMA

SEE NEOPLASMS, CARCINOMA EPIDERMOID

SQUINT, STRABISMIC

SEE EYE MOVEMENT AND COORDINATION DISORDERS, EYE COORDINATION DISORDERS

SREM

SEE OPTICS, MICROSCOPY, ELECTRON, SREM*

SRNA

SEE NUCLEIC ACIDS, TRNA

SRS

SEE SLOW REACTING SUBSTANCES

SSPE

SEE NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS

STARILE COMPONENT

SEE BLOOD COAGULATION, FACTOR VII

STABLE FACTOR

SEE BLOOD COAGULATION, FACTOR VII

STABILITY, CHEMICAL

SEE CHEMICAL STABILITY

STABLE CARBON LABELED

SEE ISOTOPE LABELED, STABLE CARBON

STABLE ISOTOPE EFFECTS

SEE ISOTOPE EFFECTS (EXCLUDING RADIATION EFFECTS)

STABLE ISOTOPE LABELED

SEE ISOTOPE LABELED, STABLE ISOTOPES (GENERAL)

STABLE NITROGEN LABELED

SEE ISOTOPE LABELED, STABLE NITROGEN

STABLE OXYGEN LABELED

SEE ISOTOPE LABELED, STABLE OXYGEN

STACKING

SEE MOLECULAR STACKING

STAINING

SEE TISSUE AND CELL PREPARATION, STAINING

STANDARDIZATION

SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE CHEMICALS STANDARDIZATION
SEE DRUG QUALITY-STANDARDS
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS
SEE MICROBIAL REGISTRIES
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS, BANKS AND REGISTRIES
SEE WATER QUALITY

STANDARDS, DIAGNOSTIC

SEE DIAGNOSTIC QUALITY-STANDARDS

STANDARDS FOR HEALTH CARE QUALITY

SEE HEALTH CARE QUALITY

STANDARDS FOR INFORMATION GATHERING METHODS (GENERAL)

SEE INFORMATION GATHERING METHODS EVALUATION-STANDARDS

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- STANNOUS FLUORIDE**
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS
- STANOLONE**
SEE ANDROSTANE SERIES, ANDROSTANOLONE
- STAPES SURGERY**
SEE EAR SURGERY, STAPES SURGERY
- STAPHICILLIN**
SEE ANTIBIOTICS, 2,6-DIMETHOXYPHENYL PENICILLIN
- STAPHYLOCOAGULASE**
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, STAPHYLOCOAGULASE
- STAPHYLOCOCCAL ENTEROTOXINS**
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, ENTEROTOXINS, STAPHYLOCOCCAL
- STAPHYLOCOCCAL INFECTIONS**
SEE BACTERIAL DISEASES, STAPHYLOCOCCAL INFECTIONS
- STAPHYLOCOCCAL PHAGES**
SEE VIRUSES, BACTERIOPHAGE, STAPHYLOCOCCAL PHAGES*
- STAPHYLOCOCCUS**
SEE BACTERIA, MICROCOCCACEAE, STAPHYLOCOCCUS*
- STAPHYLOCOCCUS AUREUS**
SEE BACTERIA, MICROCOCCACEAE, STAPHYLOCOCCUS AUREUS*
- STAPHYLOCOCCUS EPIDERMIDIS**
SEE BACTERIA, MICROCOCCACEAE, STAPHYLOCOCCUS EPIDERMIDIS*
- STAPHYLOTOXINS**
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, STAPHYLOTOXINS
- STARCH**
SEE HEXOSAMS, GLUCANS, STARCH
- STARCH ELECTROPHORESIS**
SEE PHYSICAL SEPARATION, ELECTROPHORESIS, STARCH*
- STARFISH**
SEE ECHINODERMS, ASTEROIDEA*
- STARTLE REACTION**
SEE NEUROPHYSIOLOGY, REFLEX, STARTLE REACTION
- STARTLE REFLEX OF THE NEWBORN**
SEE EAR, HEARING, MORO REFLEX
- STARVATION**
SEE NUTRITIONAL ABNORMALITIES, STARVATION
- STATISTICAL MODELS**
SEE MODELS, MATHEMATICAL
- STATISTICAL SERVICE AND CENTERS**
SEE ALSO COMPUTER CENTERS
- ** N01CB-43868-00 Statistical surveillance of lung cancer projects
- ** N01CB-50573-16 Statistical services for breast cancer groups
- ** N01CM-33706-05 DR&D biological data processing system
- ** N01CM-33715-03 Statistical and administrative (operations office) support
- ** R18NS-01197-02 Vermont model health statistics system
- ** N01MH-40064-00 Statistical services
- ** P07RR-00259-08 0091 Computational research center program - Remote statistical system
- STATISTICS**
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)
- STATOLON**
SEE ANTIBIOTICS, STATOLON
- STEARIC ACID**
SEE FATTY ACIDS, STEARIC ACID
- N-STEAROYL-O-LACTOSYLSPHINGOSINE**
SEE GLYCOSPHINGOLIPIDS, CERAMIDE DIHEXOSIDES
- N-STEAROYLSPHINGOSINE**
SEE SPHINGOLIPIDS, CERAMIDE
- STEATORRHEA**
SEE GASTROINTESTINAL DISORDERS, STEATORRHEA
- STEATORRHEA, CONGENITAL PANCREATIC**
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
- STEEL**
SEE METALS, ALLOYS, STEEL
- STEGNANES**
SEE CYCLICS, CAGE MOLECULES
- STEINERT'S DISEASE**
SEE METABOLIC DISORDERS INBORN, MYOTONIA ATROPHICA
- STENIN**
SEE NERVE PROTEINS, NEURIN, NEUROSTENIN AND STENIN
- STENTOR**
SEE PROTOZOA, CILIATA, STENTOR
- STERCIBILIN**
SEE BILE PIGMENTS, UROBILINS
- STERCULIC ACID**
SEE FATTY ACIDS, STERCULIC ACID
- STEREOCHEMISTRY**
SEE CHEMICAL STRUCTURE, STEREOCHEMISTRY
- STEREOISOMERS**
SEE CHEMICAL STRUCTURE, ISOMERS, STEREOISOMERS (GENERAL)
- STEREOPHOTOGRAPHY**
SEE OPTICS, PHOTOGRAPHY, STEREOPHOTOGRAPHY*
- STEREORADIOGRAPHY**
SEE RADIOGRAPHY, STEREORADIOGRAPHY*
- STEREOTAXIC TECHNIQUE**
- R01AA-00257-05 Respiratory-depressive effects of ethanol (mice)
- R01AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
- ** P01CA-07368-11 0004 Interrelationships of normal and cancer cells - Electrophysiologic studies with electrodes (human, monkeys)
- P01CA-07368-11 0026 Interrelationships of normal and cancer cells - Relief of cancer pain by neurostimulus
- R01CA-10771-07 Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs)
- N01DE-22401-02 Fetal and infantile development of oral sensory receptors in primates
- R01ES-00620-03 Pesticide induced changes in central nervous function (cats)
- R01MH-22745-02 Brain-liver interrelationship in barbiturate tolerance (rats)
- M P01NS-02808-13 Special clinical research project in neurophysiology
- ** P01NS-02808-13 0019 Special clinical research project in neurophysiology - Chronic implantation (human)
- ** P01NS-04053-12 0021 Epilepsy - Effects of subcortical lesions on epilepsy (human, monkeys, cats)
- R01NS-04131-12 Thalamo-cortical connections in brain (monkeys)
- P01NS-06828-08 0033 Neurophysiology-Sensory systems and cerebral cortex - Supraspinal control of autogenetic reflexes (cats)
- P01NS-07366-07 0007 Head injury clinical center research program - Regional cerebral blood flow in the rat
- P01NS-07376-07 0001 Univ Chicago head injury center - Brain serotonin studies (rats)
- R01NS-07664-07 Control of MSH release and role of MIF (frogs, rats)
- R01NS-08798-04 Role of the red nucleus in motor function (opossum)
- P01NS-08802-05 0008 Cerebrovascular disease research center - Experimental cerebral infarction (cats, monkeys)
- R01NS-09800-03 Regulation of ACTH-Role of neural inhibition (rats)
- R01NS-10139-04 Central nervous system in immune processes (guinea pigs)
- R01NS-10183-03 Cortical neuronal mechanisms of motor control (primates)
- R01NS-10244-03 Structure of the sematosensory SI neocortex (bats, mice)
- R01NS-10469-02 Regulation of synchronous neuronal discharge (cats)
- R01NS-10526-02 Synaptic relations in sensory systems (carnivores, monkeys)
- R01NS-10804-02 Neurophysiological studies of the basal ganglia (monkeys)
- R01NS-10978-02 Brain stem sensory connections (human, animals)
- P01NS-11131-01 0006 Extrapyramidal and related behavioral disorders - Analysis of cat brain for manganese, dopa and dopamine
- M01RR-00030-13 0007 General clinical research center - Extrapyramidal disorders and focal epilepsy with electrode implants (human)
- M01RR-00037-14 0100 General clinical research center - Effects of stereotaxic lesions of ventral anterior thalamus on human epilepsy
- M01RR-00076-12 0102 General clinical research center - Study of violence of temporal lobe epilepsy with stereotaxic electrodes (human)
- M01RR-00076-12 0103 General clinical research center - Stereotaxic relief of pain in terminal cancer (human)
- STEREOTACHISTOSCOPE**
SEE EYE EXAMINATIONS, VISION TESTS, TACHISTOSCOPE*
- STERILITY**
SEE FERTILITY
- STERILIZATION**
SEE COMMUNICABLE DISEASE CONTROL, ANTISEPSIS, STERILIZATION
- STERILIZATION SEXUAL**
SEE FERTILITY, STERILIZATION SEXUAL
- STEROID AGLYCONES**
SEE STEROIDS GLYCOSIDES AGLYCONES
- STEROID DEHYDROGENASES**
SEE OXIDOREDUCTASES, STEROID DEHYDROGENASES
- STEROID GLUCURONIDES**
SEE STEROIDS GLYCOSIDES, STEROID GLUCURONIDES
- STEROID HORMONES**
SEE ALSO ADRENAL CORTEX HORMONES
SEE ALSO ANDROSTANE SERIES
SEE ALSO ANDROSTANE SERIES, ANDROGENS
SEE ALSO ENDOCRINOLOGY INVERTEBRATE, ECDYSONE
SEE ALSO ESTRADIENE SERIES, ESTROGENS
SEE ALSO PROGESTERONE
SEE ALSO PROGESTINS
SEE ALSO REPRODUCTIVE HORMONES, SEX HORMONES
- R01AM-06164-12 Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats)
- ** R01AM-06369-13 Steroid-protein interactions (human, mammals)
- R01AM-07422-11 Biochemical pharmacology of steroid hormones (mammals, bacteria)
- R01AM-09838-09 Control mechanisms in heme synthesis (human)
- R01AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
- R01AM-13020-06 Drug and hormone effects on renal transport (human, rabbits, guinea pigs)
- R01AM-15622-03 Neurohypophysal hormone secretion in tissue culture (rat, chick embryo, anurans)
- R01AM-15899-03 Control of bovine serum prolactin concentration (cattle)
- ** R01AM-16177-03 Mechanism of action of steroid hormones (rats)
- R01AM-16858-02 Thiazide effects on calcium metabolism (rats)
- R01AM-17069-01 Synthesis of new steroid haptens for radioimmunoassay
- R01AM-17260-06 Hepatotrophic factors in splanchnic venous blood (dogs)
- R01AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
- P17AM-17702-01 0011 Hepatitis cirrhosis center - Hepatic disposition of drugs and other xenobiotics (rats)
- R01AM-17786-01 Enzymatic basis of bile acid conjugation (rats, guinea pigs, rabbits)
- ** R01CA-01393-24 Patterns of steroid metabolism in cancer (human, mice)
- ** P02CA-07177-11 0008 Clinical cancer research center - Steroid metabolism in normal and malignant target tissues (swine, human)
- M P01CA-07304-11 Steroid hormone production and metabolism in cancer
- R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- P01CA-10815-06 0069 Consolidated basic cancer research program - Senescence and transformation in steroid-influenced cell growth (cell culture)
- P02CA-11198-06 0003 Cancer research center - Estrogen binding protein (dogs, toads, human)
- ** R01CA-11628-05 Steroid-protein interactions and human breast cancer (rats)
- ** P02CA-12924-03 0030 Tufts cancer research center - Somatic cell genetics (tissue culture)
- R01CA-13291-02 Steroid transfer in normal and malignant endocrine cells (rats, monkeys)
- R01CA-13302-02 Vitamin B6, steroids and energy in cancer patients
- ** P01CA-13343-02 0007 Environmental cancer - Inhibition of cancer by protease inhibitors and steroid hormones (rodents)
- R01CA-13417-02 Androgens in prostatic and epididymal culture (human, dogs)
- R01CA-13645-02 Sulfotransferases in normal and cancerous tissues (human, cattle)
- ** P02CA-13696-02 0021 Clinical cancer research center - Gonadal function in endocrine-dependent tumors (human)
- R01CA-14231-03 Role of metabolism in biliary excretion of drugs (rats)
- R01CA-14312-01 Hepatocellular growth-In vitro system (rats)
- R01CA-14466-02 Mechanism of amineazo dyes carcinogenesis (rats)
- ** R01CA-14821-02 Steroid hormone control of tumor cell growth in vitro (hamsters)
- ** R01CA-15423-02 Polar corticoids in guinea pigs and cancer (also human rats, mice)
- P02CA-15688-01 0002 Program in medical oncology - Control of normal hematopoiesis (human, laboratory animals)
- ** N01CB-60968-14 Automated methods for steroid hormone metabolites
- N01CM-33748-01 Human dihydrofolate reductase (human, animals)
- N01CP-43217-00 Biohazards control and containment in oncogenic virus research

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01DA-00087-04 Control of protein synthesis in brain by narcotics (rats)
- ** P13DE-02668-08 0021 Dental research center - Control of growth by steroid hormones
- P01ES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)
- P10ES-00260-12 0001 Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
- P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
- R01ES-00412-06 0017 Mechanisms of insecticide resistance - Induction of microsomal mixed function oxidases and esterases (fish)
- R01ES-00412-06 0018 Mechanisms of insecticide resistance - Cyclic nucleotides in toxic action of and in resistance to insecticides (fish)
- R01ES-00849-02 Physiological adaptation of women to heat stress
- P11GM-12675-10 0056 Biochemical toxicology and pharmacology - Effects of drugs on hypothalamic control of gonadotropin release
- ** P11GM-16216-06 0016 Toxicological problems of drugs (placental transfer, lactation) - Metabolic profiles of urinary steroids in infants (human)
- ** P11GM-16216-06 0033 Toxicological problems of drugs (placental transfer, lactation) - Steroid administration (human)
- M R01GM-16488-06 Hepatic microsomal drug oxidation
- ** R01GM-16488-06 0006 Hepatic microsomal drug oxidation - Steroid-drug interactions during oxidative metabolism
- ** R01GM-16488-06 0010 Hepatic microsomal drug oxidation - Testicular cytochrome P-450 and iron-sulfur protein (mammals)
- R01GM-16488-06 0013 Hepatic microsomal drug oxidation - Identification of drug and steroid metabolites
- R01GM-17239-05 Control of gene expression in mammalian cells (rats)
- ** R01GM-21350-01 Steroids and other biologically active substances in plants (fungi, ferns)
- P01HD-02528-08 0052 Research center in mental retardation - Control and functional relationships of gonadotropins (rats)
- R01HD-03003-14 Physiology of the female tract (ferret, rodents, rabbits)
- ** P01HD-03015-08 0001 Program for developmental biology - Mammalian reproduction (human, mammals)
- P01HD-03015-08 0015 Program for developmental biology - Development of hormone dependent ovarian tissue culture (rats)
- ** R01HD-04005-06 Cytodifferentiation of steroid-secreting cells (guinea pigs)
- R01HD-04083-06 Mammalian eggs and pheromones (mice)
- P01HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
- R01HD-04229-06 Cytoplasmic regulation in early cell differentiation (frogs)
- ** R01HD-04354-22 Mechanisms of hormone action (rats)
- R01HD-04592-06 Biochemistry of the male genital tract (rodents)
- P01HD-05077-05 0009 Reproductive biochemistry and medicine - Human gonadotropin and chorionic growth hormone prolactin
- ** P01HD-05077-05 0016 Reproductive biochemistry and medicine - Steroid hormones biochemistry (human, mammals, non-human)
- P01HD-05318-04 0001 Reproductive endocrinology - Assay development (human, rats, monkeys)
- ** P01HD-05318-04 0005 Reproductive endocrinology - Biochemistry of hormone-target tissue interaction (rats, primates, human)
- ** P01HD-05671-03 0006 Center for population research - Contraceptive silastic devices (rats, monkeys)
- ** P01HD-05671-03 0008 Center for population research - Depot concepts of administering steroid contraceptives (human)
- ** P01HD-05671-03 0036 Center for population research - Molecular events associated with steroid action (rats)
- ** P01HD-05671-03 0039 Center for population research - Diffusion of steroids from silastic devices (rats)
- ** P01HD-05797-04 0001 Population and reproductive biology - Steroid hormones and target tissue receptors (rats, guinea pigs, human)
- ** R01HD-05897-04 Cell biology of steroid-secreting cells (mice, guinea pigs)
- R01HD-06047-03 Uterine sensitivity and its associated phenomena (rats)
- P01HD-06273-03 0003 Cyclic nucleotides in uterine and sperm functions - Molecular aspects of uterine contraction (human, rabbits)
- P01HD-06274-03 0002 Reproductive biology - Endocrine control of ovarian and oviduct function (human, monkeys, rabbits)
- ** R01HD-06284-03 Production rate of HGH and other hormones in growth (human)
- R01HD-06555-01 Physiological studies on LH-releasing hormone (animals)
- R01HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
- ** P01HD-06645-03 0025 Center for population research - Hormonal interrelationships in normal menstrual cycle (human)
- ** P01HD-06645-03 0037 Center for population research - Effect of steroids on RNA and protein synthesis (mice, monkeys, human)
- ** P01HD-06645-03 0038 Center for population research - Role of gonadotropins and steroid hormones (amphibians, mammals)
- R01HD-06664-02 Physiological significance of LRF in reproduction (rats, sheep)
- R01HD-06773-03 Tissue collagenase and its control by steroids (rats)
- ** R01HD-07197-02 Steroid dynamics, (human, mammals)
- ** P01HD-07495-02 0003 Center for population research, studies in reproductive biology - Receptors during embryogenesis, differentiation of reproductive tissues (chicken)
- ** P01HD-07495-02 0004 Center for population research, studies in reproductive biology - Steroid interactions with target tissue receptors (chickens, rats)
- P01HD-07495-02 0010 Center for population research, studies in reproductive biology - Sex-steroid induced differentiation of avian urogenital system (chickens)
- ** P01HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)
- ** P01HD-07495-02 0013 Center for population research, studies in reproductive biology - Development of new assay methods for steroid hormones and precursors
- ** P01HD-07495-02 0014 Center for population research, studies in reproductive biology - Control and regulation of spermatogenesis (rodents)
- ** P01HD-07495-02 0019 Center for population research, studies in reproductive biology - Chromatin proteins in growth of reproductive tissues (chickens)
- P01HD-07495-02 0027 Center for population research, studies in reproductive biology - Progesterone interactions with brain neurons
- ** R01HD-07658-01 Steroid hormones and fetal development (primates)
- R01HD-07841-01 Physiological role of Gn-RH (sheep, rats)
- M R01HD-07923-02 Steroid hormone metabolism
- M R01HD-07923-02 0001 Steroid hormone metabolism - Brain aromatization (sub-human mammals)
- R01HD-08035-01 Regulation of the human hypothalamic-pituitary system
- P01HD-08235-01 Hormonal regulation of the reproductive tract
- R01HD-08279-01 Effects of aging on the CNS-Pituitary gonadal axis (rats)
- ** R01HD-22791-02 Contraceptive steroids and vitamin K
- R01HD-32731-04 Effects of steroid contraception on cervical dysplasia (human)
- ** R01HD-42863-00 Steroid hormone effect on sebaceous gland secretion and acne development
- ** R01HD-42864-00 Steroid hormones on sebaceous gland secretion and on development of acne
- R01HD-92133-07 Neural regulation of ovarian function (primates)
- R01HL-06642-11 Tritiated digoxin (human, rabbits, dogs)
- M P01HL-07299-13 Hypertension, shock and circulatory failure
- M R01HL-10612-08 Humoral factors in experimental heart failure
- ** R01HL-13205-04 Nutrition and exercise in obesity and heart disease (human, mammals)
- R01HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
- ** R01HL-13762-04 Steroids and sodium balance in essential hypertension (human, rabbits)
- ** R01HL-13767-03 Steroid hormone effects on fibrinogen synthesis (chicks)
- R01HL-15685-02 Erythropoietin in cultures of renal glomeruli (mice, goats)
- R01HL-15732-02 Minsalocorticoid hypertension (rats)
- R01HL-15768-02 Quantitative dermatology-human skin blood flow (human)
- R01HL-15808-02 Role of angiotensinogen in hypertension and stroke (rats)
- ** R23HL-17219-01 Steroid modification of the newborn lung (rabbits)
- R03MH-23426-01 Steroid hormones and RNA synthesis in neural culture (chick embryo)
- R01NS-10860-01 Biochemical responses of brain to hydrocortisone (swine)
- ** R01NS-11501-01 Effects of steroids on 3H-thymidine uptake in brain (rats)
- ** M01RR-00044-14 0078 General clinical research center - Endocrine and metabolic effect of high doses of anabolic steroids (human)
- M01RR-00048-13 0001 Clinical center - Regulation of metabolic fuels and hormones (human)
- ** M01RR-00053-13 0073 Clinical research center - Steroid metabolism-Non-specific illness effects and drug effects (human)
- ** M01RR-00053-13 0075 Clinical research center - Urinary steroid metabolism in obesity (human)
- ** M01RR-00053-13 0076 Clinical research center - Steroid metabolism in polycystic ovary syndrome (human)
- ** M01RR-00053-13 0078 Clinical research center - Hormone metabolism in diabetes mellitus (human)
- P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
- M01RR-00240-10 0079 General clinical research center-Children - Steroid metabolism in male pseudohemaphroditism
- ** P07RR-00273-09 0012 Mass spectrometric facility for biomedical research - Deuterium labeled steroids for studies in humans
- ** M01RR-00334-08 0014 General clinical research center - Effect of hormones on estrogen receptor activity in tissue culture (human)
- M01RR-00628-04 0063 General clinical research center for children - Hypertension in relationship to steroid and renal disorders

STEROID HORMONES ANALOGS

- SEE ALSO ADRENAL CORTIX HORMONES ANALOGS
SEE ALSO ANDROSTANE SERIES, ANDROGENS ANALOGS
SEE ALSO ESTRADIENE SERIES, ESTROGENS ANALOGS
SEE ALSO FERTILITY, ANTIFERTILITY DRUGS
SEE ALSO PROGESTERONE ANALOGS
SEE ALSO REPRODUCTIVE HORMONES, SEX HORMONES ANALOGS
- R01AM-09006-09 New pathways of corticosteroid metabolism (human, hamsters)
- R01AM-17786-01 Enzymatic basis of bile acid conjugation (rats, guinea pigs, rabbits)
- R10CA-03357-17 Cooperative study of breast cancer
- R10CA-03358-17 Cooperative breast cancer group
- R10CA-03359-17 Cooperative breast cancer group
- R10CA-03360-17 Cooperative breast cancer group
- R10CA-03364-17 Cooperative breast cancer group
- R10CA-03664-16 Cooperative breast cancer group
- R10CA-03740-16 Cooperative breast cancer group (human)
- R10CA-03764-16 Cooperative breast cancer group
- ** R01CA-04284-15 Preparation of modified steroids and sesquiterpenes
- R10CA-04594-14 Cooperative breast cancer group
- ** R01CA-11967-10 Properties of cyclic P CPDS-potential carcinostats
- ** P01HD-05797-04 0013 Population and reproductive biology - Mercurate steroids as steroid receptor inhibitors

STEROID HYDROXYLASES (GENERAL)

SEE OXYGENASES, STERIOD MONOOXYGENASES (GENERAL)

STERIOD 11ALPHA HYDROXYLASES

SEE OXYGENASES, STERIOD 11ALPHA-MONOOXYGENASE

STERIOD 11BETA-HYDROXYLASE

SEE OXYGENASES, STERIOD 11BETA-MONOOXYGENASE

STERIOD 17ALPHA HYDROXYLASES

SEE OXYGENASES, STERIOD 17ALPHA-MONOOXYGENASE

STERIOD 21-HYDROXYLASES

SEE OXYGENASES, STERIOD 21-MONOOXYGENASE

STERIOD DELTA-ISOMERASE

SEE ISOMERASES, 3-KETOSTEROID DELTA-4-DELTA-5-ISOMERASE

STERIOD METABOLISM DISORDERS INBORN

SEE ADRENAL GLANDS DISORDERS, ADRENOGENITAL SYNDROME

SEE ADRENAL GLANDS DISORDERS, HYPERALDOSTERONISM

STERIOD MONOOXYGENASES (GENERAL)

SEE OXYGENASES, STERIOD MONOOXYGENASES (GENERAL)

STERIOD 11ALPHA-MONOOXYGENASE

SEE OXYGENASES, STERIOD 11ALPHA-MONOOXYGENASE

STERIOD 11BETA-MONOOXYGENASE

SEE OXYGENASES, STERIOD 11BETA-MONOOXYGENASE

STERIOD 17ALPHA-MONOOXYGENASE

SEE OXYGENASES, STERIOD 17ALPHA-MONOOXYGENASE

STERIOD 21-MONOOXYGENASE

SEE OXYGENASES, STERIOD 21-MONOOXYGENASE

STERIOD-O1 DEHYDROGENASES (GENERAL)

SEE OXIDOREDUCTASES, HYDROXYSTERIOD DEHYDROGENASE(S) (GENERAL)

STERIOD SULFATASE

SEE SULFATASES, STERIOD SULFATASE

STERIOD SULFATES

SEE STERIODS SULFATES

STERIODOGENESIS

R01AM-01128-18 ACTH, its receptors, antagonists and mode of action (cattle)

** R01AM-03270-15 Steroid intermediate metabolism (human, primates)

R01AM-03370-15 Factors influencing pituitary-adrenal function (rodents)

** R01AM-03419-15 Synthesis of labeled adrenal hormones (cattle)

R01AM-04899-14 Action of adrenocorticotropin (rats)

R01AM-04942-14 Effect of dietary fat on glyceride structure (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- RO1AM-05318-13 Pituitary-adrenal physiology and pharmacology (human)
- RO1AM-09006-09 New pathways of corticosteroid metabolism (human, hamsters)
- ** RO1AM-09125-11 Extrahepatic metabolism of steroids (human, rats)
- RO1AM-10273-08 Chorionic gonadotropin (human, sheep, rats)
- RO1AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
- RO1AM-12027-07 Mechanisms regulating adrenocortical secretion (human, rats)
- ** RO1AM-12713-06 Studies on steroid hydroxylases (mammals, plants)
- ** RO1AM-13149-07 Hormonal regulation of control mechanisms (rats, chick)
- RO1AM-13361-07 Adrenal metabolism possibly related to ACTH action (rats)
- ** RO1AM-14040-06 Disorders of steroid hormone biosynthesis (human, rats)
- RO1AM-14132-05 Adrenocortical function and membrane potential (rats, rabbits)
- ** RO1AM-14625-04 Estrogen biosynthesis and related enzyme reactions (human)
- ** RO1AM-15236-04 Enzymatic control of steroid biosynthesis (mice)
- RO1AM-15509-03 Mechanism of action of ACTH and insulin (rats)
- ** RO1AM-16829-02 Regulation of steroid formation
- ** RO1AM-16833-01 Adrenal cells in vitro—Ultrastructure and steroids
- ** RO1AM-16854-01 Steroid biosynthesis, transport and mechanism of action
- ** RO1AM-17030-01 Cholesterol esterase regulation of steroidogenesis (rats, cattle)
- ** RO1AM-17307-01 Hormone production in cultured endocrine cells (rats)
- RO1AM-17570-01 The metabolism of steroids (human, bacteria)
- RO1CA-02071-21 Estrogen metabolism and action in pregnancy and cancer (human, and rats)
- ** RO1CA-07057-11 Steroid hydroxylases in normal and abnormal adrenal tissue (human, rats, mice)
- RO1CA-10408-07 Adrenal cortical physiology and pharmacology (human, rats)
- RO1CA-10935-12 Steroid hormone metabolism and tumorigenic action (mice)
- ** RO1CA-12370-04 Cellular function in cancer and viral transformation (mice)
- RO1CA-12455-03 Growth and function in cells transformed by mycoplasma (mice, human)
- ** RO1CA-13291-02 Steroid transfer in normal and malignant endocrine cells (rats, monkeys)
- RO1CA-13908-02 Gonadotropin-receptors in normal and neoplastic ovaries (human, cows, rats)
- ** RO1CA-14638-02 An adrenal tumor—Cytochrome P.450 and steroidogenesis (mice)
- RO1CA-14727-01 Estrogen action on DMBA-induced mammary tumor (rats)
- ** RO1CA-15155-01 Cyclic AMP—Role in adrenal tumor steroidogenesis (rats)
- RO1CA-15423-02 Polar corticoids in guinea pigs and cancer (also human, rats, mice)
- ** RO1CA-16265-01 Cytochrome P450 in carcinogenesis and steroid synthesis (rats, cattle)
- RO1GM-02907-23 ACTH and related peptides (rats, rabbits)
- ** P11GM-12675-10 0052 Biochemical toxicology and pharmacology - Adrenodoxin in hydroxylations mediated by cytochrome P-450 (mammals, human)
- ** P11GM-15431-08 0006 Research center for clinical pharmacology and drug toxicology - Incorporation of prostaglandin precursors into rat tissue lipids
- ** P11GM-15431-08 0047 Research center for clinical pharmacology and drug toxicology - Prostaglandin metabolites in urine reflecting renal synthesis (human, rabbits)
- ** P11GM-15431-08 0048 Research center for clinical pharmacology and drug toxicology - Angiotensin II and prostaglandin synthesis in rat renal papilla
- P11GM-15956-07 0065 Factors affecting the responses to drugs - Studies on peroxisomes
- RO1GM-17170-04 EPR and x-ray studies of electron-transfer enzymes (rats, guinea pigs)
- RO1GM-19557-01 Model studies of squalene biosynthesis
- ** RO1HD-00371-20 Hormonal function in growth and development in childhood (human)
- M RO1HD-00420-14 Androgen production and function during development
- RO1HD-00420-14 0001 Androgen production and function during development - Androgens of mammalian fetal testes (rats, rabbits, chick embryo)
- RO1HD-00420-14 0002 Androgen production and function during development - Non-testicular sources of C-19 steroids in pre-natal development (rodents, human)
- RO1HD-00739-09 Functioning of corpora lutea (swine)
- RO1HD-02715-06 Fetal and neonatal adrenocortical function in monkeys
- RO1HD-03043-12 Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat)
- ** RO1HD-03142-07 Mechanisms of gonadotropin (human, cattle, rats)
- ** RO1HD-04005-06 Cytodifferentiation of steroid-secreting cells (guinea pigs)
- ** RO1HD-04290-04 Structure and function of epididymis and vas deferens (rodents)
- ** RO1HD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
- RO1HD-04392-04 Effects of aging on steroid metabolism in man
- RO1HD-04466-05 Development of male reproductive function (humans, primates, rodents)
- RO1HD-04683-05 Fetal sexual differentiation (rats)
- ** PO1HD-05077-05 0003 Reproductive biochemistry and medicine - Computer simulation of human menstruation, gonadal hormones and contraceptives
- ** RO1HD-05085-08 Biosynthesis and action of female hormones (human)
- RO1HD-05105-13 Pituitary-gonadal interrelationship (human)
- ** RO1HD-05387-04 Comparative study on the feto-placental unit (sheep)
- ** RO1HD-05414-03 Steroid biochemistry of the hypothalamic-ovarian axis (rats, human)
- ** PO1HD-05797-04 0002 Population and reproductive biology - Gonadal steroid synthesis (human)
- ** RO1HD-05866-03 Effect of prostaglandins on ovarian function (human)
- RO1HD-05897-04 Cell biology of steroid-secreting cells (mice, guinea pigs)
- PO1HD-05969-03 0003 Events that control fertilization - Metabolism and metabolic control of ovary (Rhesus monkey)
- RO1HD-06467-03 Role of feto-placental unit in maintenance of pregnancy (rats, monkeys)
- ** RO1HD-06486-02 Augmented steroidogenesis by testis slices (rabbits)
- RO1HD-06543-03 Pituitary gonadotropic and growth hormones (human, animals)
- ** RO1HD-06642-03 Metabolism of the proovulatory follicle (rabbits)
- PO1HD-06645-03 0002 Center for population research - Corpus luteum function
- PO1HD-06645-03 0014 Center for population research - Effects of hypoxia on placental and fetal tissue in organ culture (human)
- ** PO1HD-06645-03 0022 Center for population research - Epididymis and vas deferens histophysiology and biochemistry (mammals nonhuman)
- RO1HD-06656-02 Regulation of corpus luteum function by gonadotropins (cattle)
- RO1HD-06718-03 Estrogen and prolactin in control of the female cycle (sheep, cattle)
- ** RO1HD-06720-02 Fetal hypophyseal-gonadal relationships
- ** RO1HD-06725-03 Differentiation and androgenesis in juvenile testis (chickens, rats)
- ** RO1HD-06799-01 Corticosteroids in the fetoplacental unit (human)
- RO1HD-06867-02 Influence of prolactin on the testis (rats, mice, rabbits)
- ** RO1HD-06883-01 Control of steroid hormone biosynthesis in pregnancy (human)
- ** RO1HD-06896-01 Estrogen-stimulated progesterone synthesis in vitro (rabbits)
- PO1HD-07110-02 0022 Biomedical center for population research - Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman)
- RO1HD-07127-03 Regulation of ovarian function during pregnancy (rabbits)
- RO1HD-07204-03 Regulation of androgen secretion in mammalian testes (rabbits)
- RO1HD-07345-01 Estriol 16-glucuronate and estretol antibodies (human)
- RO1HD-07420-01 Sex hormone production and secretion in the chick embryo
- ** PO1HD-07495-02 0012 Center for population research, studies in reproductive biology - Sex steroids-synthesis and secretion (mammals)
- ** PO1HD-07640-01 0004 Program project in reproductive biology - Regulation of estrogen and progesterone biosynthesis (human)
- RO1HD-07658-01 Steroid hormones and fetal development (primates)
- ** RO1HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
- RO1HD-07689-02 Functional luteolysis in primates—Role of estrogen
- ** RO1HD-07923-02 0003 Steroid hormone metabolism - Biosynthesis in ovarian corpus luteum (monkeys, human)
- ** RO1HD-07923-02 0004 Steroid hormone metabolism - Control of placental function (human)
- RO1HD-07972-01 Ovarian involution in aging (rats)
- ** RO1HD-08034-01 Reproductive function and gonadal steroid dynamics (human, monkeys)
- PO1HD-08235-01 Hormonal regulation of the reproductive tract
- RO1HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- ** RO1HD-08309-01 Population control research—Enzyme studies
- RO1HD-08313-02 Regulation of anterior pituitary function in rat and man
- ** PO1HD-08338-01 0007 Control of male reproduction - Hormonal control of steroidogenesis (rat testes)
- ** PO1HD-08338-01 0008 Control of male reproduction - Biosynthesis and 5-alpha reduction of androgens in marmoset testes
- ** RO1HD-08478-01 Primates endocrine regulation in the perinatal period
- RO1HD-08692-01 Dynamics of estrogen biosynthesis (human)
- ** NO1HD-22775-02 Immunological studies on steroid-producing cells (human, monkeys, rabbits)
- RO1HL-02033-20 Regulation of cholesterol esters in blood and tissues (dog, rat, cattle, human)
- PO1HL-07299-13 0071 Hypertension, shock and circulatory failure - Mineralocorticoid hypertension (human, rats)
- PO1HL-07299-13 0076 Hypertension, shock and circulatory failure - Renin-angiotensin system (human, rats)
- RO1HL-12706-06 Angiotensin analogs and the adrenal gland (animals)
- P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
- RO1NS-11621-01 Metabolism of cholesterol and cholesterol in man
- ** MO1RR-00035-14 0115 General clinical research centers - Ovarian function-androgen formation (human)
- MO1RR-00046-14 0002 General clinical research center - Etiologic mechanisms in patients refractory to androgens
- ** MO1RR-00046-14 0027 General clinical research center - Steroidogenesis of estrogens in pregnancy (human)
- MO1RR-00095-14 0001 General clinical research center - Regulation of pituitary function (human)
- ** MO1RR-00533-06 0042 General clinical research center, adult - Steroidogenesis in pregnancy
- MO1RR-00722-02 0028 General Clinical Research Center - Retention of androgens in tissue in abnormal sex differentiation (human)
- ** MO1RR-00827-01 0023 General clinical research center - Mechanisms of gonadotropin control and action (human)

STERGIDS

- SEE ALSO ANDROSTANE SERIES
- SEE ALSO BILE ACIDS AND SALTS
- SEE ALSO OXIDOREDUCTASES, STEROID DEHYDROGENASES
- SEE ALSO PREGNANE SERIES
- SEE ALSO PREGNANE SERIES SALPHA
- SEE ALSO STEROID HORMONES
- SEE ALSO STEROLS
- SEE ALSO TERPENES, CUCURBITACINS
- SEE ALSO TERPENES, PENTACYCLIC TRITERPENES
- RO1AA-00312-03 0010 Acute and chronic gastric mucosal injury due to alcohol - Therapy of atrophic gastritis with intestinal metaplasia in alcoholics
- RO1AI-02095-16 Chemistry of polyene antifungal antibiotics
- ** RO1AM-02131-17 0008 Trace lipids in cell function - Steroids
- RO1AM-02290-15 Source and significance of gastric juice potassium (human, dogs)
- ** RO1AM-03270-15 Steroid intermediate metabolism (human, primates)
- RO1AM-03787-15 Steroid and terpenoid synthesis
- RO1AM-04652-14 Intestinal absorption of mineral ions (chickens)
- PO2AM-05577-13 0019 Clinical research unit in rheumatic diseases - Phosphate supplements and calcium balance of steroid-treated patients
- ** RO1AM-06018-12 Gastrointestinal metabolic functions (human, dogs, cats)
- PO1AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
- ** RO1AM-09105-23 Chemistry and metabolism of steroids (human)
- ** RO1AM-09688-10 Biochemical studies on steroids and prostaglandins (cattle)
- ** RO1AM-12523-05 Mechanism of hydrogenase and dehydrogenase action (bacteria)
- ** RO1AM-12855-06 Mechanisms of C4 demethylation in steroid biogenesis (rats)
- PO1AM-13084-10 0007 Clinical homotransplantation of tissues and organs - Pediatric nephropathy (human)
- RO1AM-13724-05 Conversion of cholesterol to progesterone (cattle)
- ** RO1AM-14042-06 Conformational analysis in the steroids
- ** RO1AM-14160-05 Preparation of fusidic acid and modified steroids
- ** RO1AM-14729-04 Mechanism of ketosteroid isomerase-catalyzed reaction (bacteria)
- PO1AM-14877-14 0024 Kidney function in infants and children - Steroid therapy in minimal change nephrotic syndrome (human)
- RO1AM-15157-04 Alicyclic cations in biogenetic-like reactions
- RO1AM-15621-01 Biochemistry of cytochrome P-450 and steroid hydroxylation (cattle)
- RO1AM-15755-03 Correlative prospective study of lupus nephropathy (human)
- RO1AM-16201-03 Cholestatic liver disease (human, rats)
- ** RO1AM-16216-03 Anti-inflammatory steroids and collagen synthesis (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-16386-02 Mechanisms of fat and steroid absorption by gut (mammals)
- P01AM-16392-02 0003 Immunologic mechanisms in renal disease in childhood - Electron microscopy of glomerular permeability (rats, rabbits)
- R01AM-16588-01 Bacteria of the gastrointestinal tract (human)
- N01AM-50032-12 Steroid collection for medical research
- R01CA-02758-19 Steroid metabolism in tumors and normal tissues (mice)
- R01CA-04474-16 Synthesis and reactions of steroid-heterocycles
- R01CA-05672-13 Drug resistance in mouse cells cultured in vitro
- P02CA-06973-12 0029 Integrated clinical cancer research program - Cell metabolism-Prostatic growth and effects of acidic polymers (rats, mice)
- P02CA-07177-11 0006 Clinical cancer research center - Steroid and estrogen sulfotransferase activities in breast tumors (human)
- P01CA-07368-11 0006 Interrelationships of normal and cancer cells - Model systems (human, rats, mice)
- R01CA-10819-06 Synthesis and study of antitumor and endocrine agents (rats)
- R01CA-10906-07 Molecular structures of steroids
- P02CA-11051-06 0024 Clinical radiation research center - Time-dose studies in central nervous system metastases (human)
- R01CA-11929-04 Leukocyte turnover in acute leukemia and leukopenias (human)
- R01CA-12107-10 Synthesis of antitumor natural products
- P02CA-12197-03 0014 Multidisciplinary oncology research center - Metabolic and functional capabilities of leukocytes (human)
- P02CA-12197-03 0026 Multidisciplinary oncology research center - Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
- R01CA-13186-02 Chemical blockade of iodine-Mammary gland responses (rats)
- R01CA-13302-02 Vitamin B6, steroids and energy in cancer patients
- P02CA-13525-03 0008 Program for treatment of malignant brain tumors - Experimental chemotherapy of brain tumors (mammals)
- P02CA-13696-02 0004 Clinical cancer research center - Effects of viruses on hemopoietic cells (mice, human)
- R01CA-13700-02 Parathyroid hormone and cancer (human)
- R01CA-13759-02 Growth of Morris hepatomas in vitamin-B6 deficiency (rats)
- R01CA-13881-02 Radiation in vitro-Mammary cell survival-Neoplasia (rats)
- P01CA-14089-01 0062 Pilot multidisciplinary cancer research program - Advanced therapeutics
- R01CA-14532-02 Pathophysiology of leukemia in guinea pigs
- R01CA-14912-09 Syntheses of elaiomycin and other azoalkanes
- R01CA-14969-02 0010 Radionuclide studies of tumors and growth - Radiopharmaceuticals for investigating body fat mass (mammals nonhuman)
- P02CA-15688-01 0019 Program in medical oncology - Interacting effects of anticancer and other drugs (mice)
- R01CA-15792-01 Treatment of experimental nervous system tumors (mice, rats, human)
- P01CA-16127-01 0021 Cancer Research and Treatment Center Program - Pi meson radiotherapy of brain glioma (human)
- P01CA-16228-01 0004 Cell membrane in proliferation and oncogenesis - Cyclic GMP control of proliferation and cell function (mice, human)
- N01CM-02055-13 Preclinical evaluation of compounds (mice, rats, dogs, monkeys)
- N01CP-33334-01 Comparative focal flural studies (human)
- N01CP-33379-01 Factors of the prostate
- N01CP-43230-00 Pituitary hormones and androgens (mice, guinea pig, hamster, dogs, human)
- R01DE-02152-09 0002 Dental physiology and biophysics - Spatial spread of pulp inflammation (dogs)
- R23DE-03866-01 Effects of sex steroids on gingival glycosaminoglycans
- R01ES-00109-09 Interactions of pesticides, drugs and other chemicals (mice, rats, quail)
- R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
- R01EY-00281-10 Wound healing in lens epithelium (frogs)
- P01EY-00336-08 0008 CLINICAL STUDENT OF GLAUCOMA - Steroid responsiveness in tissue culture (human)
- P01EY-00446-06 0008 External ocular disease center - Corneal graft reaction (guinea pigs and primates)
- P01EY-00446-06 0009 External ocular disease center - (CBSA ureitis) by topical steroids (rabbits)
- R01EY-01119-02 Pathogenesis of primary open angle glaucoma (human, mammals, nonhuman)
- R01GM-06840-16 Marine chemistry and research on terpenoids (marine animals)
- R01GM-10224-12 Conformational analysis by NMR
- R01GM-10421-12 Synthesis of alkaloids and terpenoids
- P11GM-12675-10 0051 Biochemical toxicology and pharmacology - Drug and steroid oxidations in liver and adrenal cortex (mammals, human)
- P11GM-12675-10 0052 Biochemical toxicology and pharmacology - Adrenocorticin in hydroxylation mediated by cytochrome P-450 (mammals, human)
- R01GM-13246-17 Metabolism of natural products of medicinal interest (plants)
- R01GM-13598-09 Steroids, prostaglandins-synthetic designs
- P01GM-13901-08 0001 Analytical biochemistry for human studies - Gas chromatography (human)
- R01GM-19556-09 Bio-organic reactions related to steroid biosynthesis
- P01GM-14892-07 0013 The traumatized patient - Immunologic profile of severely injured patient
- P01GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
- P11GM-15477-08 0105 Drug metabolism and biochemical pharmacology - Inhibition of ouabain uptake (rats)
- R01GM-15994-06 Ion-molecule mass spectra in structure elucidation
- P01GM-16496-06 0038 Clinical pharmacology-Pharmacokinetics - Drug kinetics in patients with severe heart failure and shock
- R01GM-18035-03 Heats of hydrogenation of large molecules
- R01GM-18754-13 Biochemical model reactions
- R01GM-18807-12 Restoration of function of damaged cells and enzymes (insects, mammals)
- R01GM-19227-03 Determination of steroids in blood (human)
- R01GM-19308-03 Membrane mutants of Neurospora
- R01GM-19658-02 Cyclization of metal-complexed polyolefins
- R01GM-20003-01 Structure determination by mass spectrometry
- R01GM-20633-02 Cell membrane transport during shock (frogs, human, primates)
- R01GM-21159-01 Vinyl sulfides in organic synthesis
- N01GM-51057-22 Study on drug metabolism (human, mice, dogs, rabbits)
- R01HD-00391-15 Regulation of enzyme action during development
- P01HD-01799-09 0008 Mental retardation research center - Developmental biochemistry of steroids (rats)
- P01HD-02274-08 0088 Mental retardation and child development - Structure and function of steroid binding proteins
- P01HD-02274-08 0089 Mental retardation and child development - Reproductive physiology (rabbits)
- P01HD-03352-07 0007 Wisconsin center on mental retardation - Hypothalamic-hypophyseal-gonadal axis (rats, human)
- P01HD-05077-05 0005 Reproductive biochemistry and medicine - Pre- and postovulation plasma levels of steroids and gonadotropins (human)
- P01HD-05077-05 0006 Reproductive biochemistry and medicine - Negative feedback of steroids upon FSH and LH secretion (human, monkeys)
- P01HD-05077-05 0013 Reproductive biochemistry and medicine - Tritium labeled polypeptide and protein hormones (rats, human)
- P01HD-05221-05 0028 Center grant in mental retardation - Neurosurgical research
- R01HD-05362-04 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- R01HD-05506-04 Hormonal regulation of growth and differentiation (rats, human)
- R01HD-05697-02 A polypeptide influencing ovarian function (rodents)
- R01HD-06419-03 Hormonal control of lactogenesis (rats)
- R01HD-06894-02 Study of NBT test in selected childhood disorders
- P01HD-07640-01 0006 Program project in reproductive biology - Relation of ovarian blood flow to steroid secretion (dogs, monkeys)
- R01HD-08129-01 Endocrine function of transplanted uterus and ovary (sheep)
- R01HD-08180-01 LH receptor sites in luteal cells, luteotrophic factors (cattle)
- R01HD-08202-02 Gonadal differentiation in the human fetus
- R01HD-08708-01 Ontogenetic studies of drug metabolism (human, rats, monkeys)
- N01HD-12230-02 Intrauterine microcapsules in prolonged drug release form (rabbits, monkeys)
- N01HD-12462-07 Synthesis and testing of antifertility compounds (rats, hamsters, rabbits)
- N01HD-22724-04 Biliary and urinary excretion (primates)
- N01HD-22725-04 Contraceptive steroids in beagles
- N01HD-22728-03 Sex steroids and nutritional status
- N01HD-22729-06 Repository for tissue evaluation of contraceptive steroids (monkeys, dogs)
- N01HD-22733-02 Comparative pharmacology of steroid contraceptive drugs
- N01HD-22734-05 Study contraceptive steroids in the baboon
- N01HD-22785-01 Interaction of contraceptive steroids with vitamin E (human, rats)
- N01HD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r)
- N01HD-22787-02 Biochemical mechanisms of contraceptive steroid-induced abnormalities (rats)
- N01HD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
- N01HD-22789-03 Interaction of contraceptive steroids and vitamin B6 (human)
- N01HD-22790-01 Effects of contraceptive steroids on trace elements (human)
- N01HD-32719-02 Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs)
- N01HD-32733-03 Novel steroids as potential antifertility agents
- N01HD-32743-02 Synthesis of ring A bicyclo and tricyclo steroids
- N01HD-32747-02 Synthesize ring A bicyclo-steroids
- N01HD-32749-02 Synthesis of novel steroids with potential antifertility activity
- N01HD-32750-02 Novel steroidal gestagens
- N01HD-42830-00 Synthesis and testing of antiprogesterational agents abeoosteroids
- N01HD-42831-00 Synthesis of ring-C aromatic steroids as potential antifertility agents
- N01HD-42836-00 Synthesis and testing of antifertility compounds
- N01HD-42841-00 Synthesis of 15-phosphosteroids for antifertility screening
- N01HD-42862-00 Effects of oral contraceptive steroids on folic acid metabolism
- N01H-42953-00 Steroid patterns and coronary risk (human)
- R01HL-01979-18 Cardio-cerebrovascular disease and behavior (animals)
- P01HL-05435-14 0004 Cardiovascular research and training program - Analytical biochemistry (human)
- R01HL-09103-10 Sterol metabolism in tissue culture cells (human, rabbits)
- R01HL-10042-09 Steroidal regulation of active sodium transport (toads)
- R01HL-11274-07 Regulators of catecholamine and steroid biosynthesis
- R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- R01HL-12707-04 Mechanism of renal circadian cycles (human, dogs, rabbits, guinea pigs)
- R01HL-13466-04 Pulmonary platelets in shock, trauma and embolization
- R01HL-14102-03 Physiology at 17,500 feet in mountain environment (human, rats)
- P17HL-14179-04 0017 Center for the study of lung disease - Serum enzyme profiles in lung disease (human, dogs)
- R01HL-14692-03 Alpha 1 antitrypsin deficiency and pulmonary disease (human)
- R01HL-14729-02 Automated analysis of digoxin and related drugs (human)
- R01HL-15907-01 Steroid metabolism in patients with bronchial asthma (human)
- R01HL-15916-02 Vasoactive agents as mediators of endotoxin shock (human, mammals)
- P01HL-16137-01 0004 Alveolar biology - Subcellular processes and controls in the surfactant system (animals)
- R01HL-16651-01 Evaluation of steroid therapy in sarcoidosis
- R01HL-16918-01 Role of steroids in hypertension
- R01HL-16949-01 Lung uptake and metabolism of plasma-borne substances (rats)
- R10MH-11468-09 0017 Psychopharmacology research center - Metabolic interactions with conjugation of steroids with glucuronic acid (rats)
- R01MH-21312-03 0022 Endocrinological determinants of behavior - Neural metabolism of steroids during sexual differentiation (monkeys, rodents)
- P01NS-04553-10 0007 Neuropharmacology and neurochemistry program research - Endocrine-central nervous system interrelations (rats)
- P01NS-05820-09 0004 Research center for cerebral vascular diseases - Salicylates and urea in sickle cell anemia (human, rabbits)
- R01NS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
- P01NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
- P17NS-11120-02 Stroke acute care research unit (human)
- M01RR-00031-14 0004 General clinical research center - Metabolic response of normal and prediabetic man to starvation
- M01RR-00035-14 0065 General clinical research centers - Steroid metabolism (human)
- M01RR-00036-14 0201 General clinical research center - Use of steroids in treatment of idiopathic polyneuropathies (human)
- M01RR-00043-14 0070 General clinical research center - ADH and steroid metabolism in man
- M01RR-00049-13 0048 General clinical research center - Alternate day of steroid therapy on the renal lesion of lupus nephritis (human)
- M01RR-00052-13 0017 General clinical research center for children - Effect of steroids on alopecia
- M01RR-00058-13 0023 General clinical research center - Steroid therapy of idiopathic nephrotic syndrome in adults (human)

(cont'd)

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 **Oriented significantly to above subject.
 † Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- M01RR-00059-13 0145 General clinical research center - Effect of dietary carbohydrates on serum lipids and fecal steroids (human)
- ** M01RR-00096-14 0049 Clinical research center - Steroid metabolism in sex anomalies (human)
- ** M01RR-00125-11 0148 General clinical research center - adult-child - Mechanism of 'steroid' fever
- ** M01RR-00240-10 0087 General clinical research center - Children - High dose steroid therapy in chronic hepatitis
- M01RR-00400-06 0024 General clinical research center - adult - Calcium infusion for steroid induced osteoporosis (human)
- ** M01RR-00533-06 0041 General clinical research center, adult - Steroid interconversion and clearance rates (human)

STERIODS, AZASTERIODS

- R01CA-14343-01 Heterosteroids-Anticancer agent potentiators (mice, rats)

STERIODS, HOMOSTERIODS

- R01AM-10849-08 Approaches to structurally modified steroids

STERIODS, HYDROXYSTERIODS

SEE ALSO STEROLS

- ** P01GM-13901-08 0011 Analytical biochemistry for human studies - Mass spectrometry of trimethylsilyl derivatives of hydroxy steroids
- P11GM-15477-08 0097 Drug metabolism and biochemical pharmacology - Liver alcohol dehydrogenase

STERIODS, 17-HYDROXYSTERIODS

- R01HD-04945-04 Human development and estrogen biosynthesis (human, rats, dogs)
- R01HD-06308-03 Free plasma sex hormone and androgen action (human)
- ** R01HL-12239-05 Curable hypertension with hyperaldosteronism (human)
- R01HL-14520-08 Normokalemic primary aldosteronism (human, rats, dogs)

STERIODS, 19-HYDROXYSTERIODS

- ** R01AM-17570-01 The metabolism of steroids (human, bacteria)

STERIODS, 21-HYDROXYSTERIODS

- P01AM-00002-28 0014 Metabolic and hereditary disorders - Steroid studies
- ** R01AM-00110-23 Chemical methods in steroid metabolism (rats, cattle)
- ** R01AM-09006-09 New pathways of corticosteroid metabolism (human, hamsters)
- ** R01AM-17570-01 The metabolism of steroids (human, bacteria)

STERIODS, KETOSTERIODS

- R01AM-10849-08 Approaches to structurally modified steroids
- P02AM-13083-06 0103 Organ transplantation - Clinical studies of complications in renal transplantation
- P02CA-15145-01 0021 Cancer center support grant - Steroid 5 alpha-reductase activity in human brain tumors (rats)
- R26CA-16418-01 Steroids with cytotoxic effects on the prostate (rats)

STERIODS, 17-KETOSTERIODS

- R01AM-07912-10 Creighton University bone research center (women)
- ** M01CB-71465-09 Steroid excretion study in patients with breast cancer
- R01HD-02335-09 0007 Hormonal effects on growth and maturation - Diagnosis of congenital virilizing adrenal hyperplasia (human)
- ** P01HD-05077-05 0016 Reproductive biochemistry and medicine - Steroid hormones biochemistry (human, mammals, non-human)
- ** R01HL-12239-05 Curable hypertension with hyperaldosteronism (human)
- R01HL-13205-04 Nutrition and exercise in obesity and heart disease (human, mammals)
- R01HL-14520-08 Normokalemic primary aldosteronism (human, rats, dogs)
- P01MH-23861-02 0009 Biogenic amines and behavior - Brain serotonin and the pituitary-adrenal system (rats, human)
- M01RR-00229-09 0002 General clinical research center - Dexamethasone suppression in Cushing's syndrome (human)
- M01RR-00284-08 0030 General clinical research center - pediatric - Affective disorders of childhood

STERIODS, NORSTERIODS

- ** R01AM-10849-08 Approaches to structurally modified steroids

STERIODS, A-NORSTERIODS

- R01CA-04284-15 Preparation of modified steroids and sesquiterpenes

STERIODS, B-NORSTERIODS

- R01CA-04284-15 Preparation of modified steroids and sesquiterpenes

STERIODS, 19-NORSTERIODS

- SEE ALSO PROGESTERONE ANALOGS, NORETHINDRONE
SEE ALSO PROGESTERONE ANALOGS, NORETHYNDROL
SEE ALSO TERPENES, CUCURBITACINS
- ** R01AM-14625-04 Estrogen biosynthesis and related enzyme reactions (human)
- R01AM-15918-03 Selective inhibitors of steroid-transforming enzymes (mice, rats)

STERIODS, OXYSTERIODS

- SEE ALSO STERIODS, HYDROXYSTERIODS
SEE ALSO STERIODS, KETOSTERIODS
SEE ALSO STERIODS SPIROLACTONES
- ** R01AM-01255-18 General studies in steroid metabolism (animals, plants)

STERIODS ANALOGS

- SEE ALSO CHOLESTANE SERIES, CHOLESTEROL ANALOGS
SEE ALSO STERIOD HORMONES ANALOGS
- R01CA-08349-09 Potential tumor or organ imaging agents
- ** R26CA-16418-01 Steroids with cytotoxic effects on the prostate (rats)
- ** R01HD-08550-01 Ring expansion routes to 8,9,13,14-disecosteroids

STERIODS GLYCOSIDES, STERIOD**GLUCURONIDES**

- ** R01AM-05452-12 Cortisoneglucosiduronic acid synthesis and isolation

STERIODS GLYCOSIDES AGLYCONES

- SEE ALSO CARDIAC GLYCOSIDES AGLYCONES
- P01HL-16251-01 0014 Membrane-bound enzymes in heart and other tissues - Multiplicity of glucuronyltransferase

STERIODS SPIROLACTONES

- R01HL-09921-09 0002 Mechanisms of congestive heart failure - Effects of ouabain on tissue distribution and metabolism of aldosterone (rats)

STERIODS SPIROLACTONES, SPIBONOLACTONE

- R01AM-06415-12 Secretory steroid mixtures of adrenal cortex (human)
- R01AM-14787-04 Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine)
- R01CA-07057-11 Steroid hydroxylases in normal and abnormal adrenal tissue (human, rats, mice)
- R01HD-07758-02 Oral contraceptives and hypertension (rats)
- R01HL-00759-24 Regulation of electrolyte and acid base equilibrium (human, dogs)
- R01HL-11046-08 Renin, angiotensin, steroids, ions and blood pressure (human, sheep, rabbits)
- P01HL-11414-07 0014 Thrombosis and atherosclerosis program - Role of adrenal in human essential hypertension
- P17HL-14141-04 0006 SCOR for atherosclerosis in childhood - Effect of stress upon plasma lipids in childhood
- P17HL-14159-04 0014 Specialized center of research in hypertension - Primary aldosteronism (human, guinea pigs, dogs)
- P17HL-14192-04 0005 Specialized center of research in hypertension - Recognition and management of the syndrome of low renin essential hypertension
- R01HL-15732-02 Mineralocorticoid hypertension (rats)
- M01RR-00042-14 0007 General clinical research center - Primary aldosteronism (human)
- M01RR-00047-14 0091 General clinical research center - Curable hypertension with hyperaldosteronism (human)
- ** M01RR-00060-13 0042 General clinical research center - Triamterene spironolactone in hypertension (human)
- M01RR-00062-12 0030 Clinical research center, children - Pressor mechanisms in hypertension
- M01RR-00070-12 0012 General clinical research center - Secretion of aldosterone in hypertension (human, rabbits)
- ** M01RR-00076-12 0093 General clinical research center - Effect of spironolactone on renal acid excretion in cirrhosis (human)
- ** M01RR-00095-14 0022 General clinical research center - Antihypertensive therapy on secondary aldosteronism in hypertension (human)
- M01RR-00095-14 0057 General clinical research center - Antihypertensive therapy in suppressed renin hypertension (human)
- M01RR-00229-09 0003 General clinical research center - Hypo- and hyperkalemic periodic paralysis (human)
- M01RR-00262-09 0052 General clinical research center - Etiology of hypertension after renal transplant (human)
- M01RR-00334-08 0006 General clinical research center - Third factor in congestive heart failure with edema (human)
- ** M01RR-00633-02 0008 General clinical research center - Effect of aldactone on urinary calcium (human)
- M01RR-00645-03 0003 Clinical research center - Low renin essential hypertension (human) nephrotic edema (human)
- M01RR-00645-03 0012 Clinical research center - Salivary composition in hypertension (human, dogs)
- M01RR-00722-02 0005 General Clinical Research Center - Mineralocorticoid metabolism in hypertension and catecholamine production (human)

STERIODS SULFATES

- SEE ALSO ESTRADIENE SERIES, ESTROGENS SULFATES
SEE ALSO SULFATES, STERIOD SULFATE
- ** R01AM-00110-23 Chemical methods in steroid metabolism (rats, cattle)
- R01AM-09105-23 Chemistry and metabolism of steroids (human)
- R01AM-12027-07 Mechanisms regulating adenocortical secretion (human, rats)
- ** P01CA-07304-11 0033 Steroid hormone production and metabolism in cancer - Androsterone sulfate in plasma-thyroid state (human)
- ** M01CB-43897-00 Steroid sulfate as diagnostic parameters in breast cancer
- ** M01CB-43898-00 Steroid sulfate as diagnostic parameters in breast cancer
- ** M01CB-43900-00 Steroid sulfation and estrogen binding in human breast cancer
- ** R01HD-04064-06 Role of steroid sulfates in gonadal tissue (human, sheep, rats)
- ** P01HD-05077-05 0015 Reproductive biochemistry and medicine - Sulfated intermediates in formation of steroid hormones
- ** P01HD-05077-05 0016 Reproductive biochemistry and medicine - Steroid hormones biochemistry (human, mammals, non-human)
- ** P01HD-05797-04 0015 Population and reproductive biology - Sulfur analogs of progesterone (chickens)
- R01NS-10473-03 0001 Brain lipids in diffuse demyelinating disease - Mechanistic leukodystrophy in multiple sulfatase deficiency (human)

STEROLS

- SEE ALSO CHOLESTANE SERIES
SEE ALSO STERIODS
SEE ALSO VITAMIN D GROUP
- R03AA-00840-01 Cholesterol metabolism in developing brain (miniature swine)
- R01AM-02095-16 Chemistry of polyene antifungal antibiotics
- ** R01AM-05669-11 Complex molecular synthesis (cockroach, plants)
- R01A-07145-10 Biochemistry of nematodes and other invertebrates
- R01AM-00546-23 Sugars and synthesis of amino acids (bacteria, yeast)
- R01AM-02131-17 0007 Trace lipids in cell function - Bile acids (rats)
- N01AM-02219-06 Study hormonal regulation of bone metabolism (rats)
- P02AM-04501-13 0019 Metabolic disease research center - Intestinal absorption of vitamin D and lipids (rats)
- R01AM-10010-10 Analysis of the lipids of human skin
- R01AM-10166-09 Characterization and isolation of lecithins (rats)
- ** R01AM-10767-08 Sterol biosynthesis (rats, chickens, yeast)
- R01AM-12156-07 Stereospecifically labeled mevalonates
- ** R01AM-12172-07 Structure and metabolism of isopentenoids (plants, protozoa, yeasts, mammals)
- R01AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
- R01AM-15355-04 Synthesis and function of calcium binding protein (chick embryo)
- R01AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
- R01AM-16201-03 Cholestatic liver disease (human, rats)
- R01AM-16829-02 Regulation of steroid formation
- ** R01CA-02758-19 Steroid metabolism in tumors and normal tissues (mice)
- ** P01CA-10815-06 0065 Consolidated basic cancer research program - Significance of sterol precursors accumulation by glioblastomas (mice)
- ** P01CA-10815-06 0066 Consolidated basic cancer research program - Enzymatic reduction of cholesterol precursors (human, mouse cells)
- ** P01CA-10815-06 0067 Consolidated basic cancer research program - Isolate sterol-requiring mutants of mammalian cells
- ** P01CA-10815-06 0068 Consolidated basic cancer research program - Role of sterols in membrane synthesis of RNA viruses
- ** R01CA-13369-03 Sterol biosynthesis in cancer (animals, human, peas)
- R01CA-13464-03 Photochemical reactions related to skin cancer (mice)
- ** P02CA-13525-03 0009 Program for treatment of malignant brain tumors - Sterol analysis of brain tumors (rats)
- R26CA-16382-01 Metabolic epidemiology of colon cancer (human)
- R01GM-07065-14 Biosynthesis of isoprenoid hormones (plants)
- R01GM-18774-03 Physiological chemistry of polyenoic fatty acids (ciliates)
- R01GM-19807-02 0013 Membrane permeability as a regulatory element - Isotherms in relation to the presence of membrane active substances (plants)
- ** R01GM-19882-09 Biosynthesis of sterols in digitalis plants
- ** R01GM-20526-01 Role of sterols in membranes

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HD-06276-03 0037 Mental retardation research program - Abnormalities in sterol ester metabolism in brain diseases (human monkeys)
- ** PO1HD-06576-01 0007 Molecular aspects of mental retardation - Sterol esters in CNS in relation to myelination - Ketone bodies in metabolism
- RO1HD-08194-01 Prenatal protein malnutrition and brain sterols
- ** RO1HL-07878-12 Metabolism of neutral sterols (rats, carp)
- RO1HL-08634-11 Enzymic cholesterol synthesis (rats, human)
- PO1HL-08974-10 0010 Natural and experimental atherosclerosis - Cholesterol metabolism in primates
- ** PO1HL-08974-10 0024 Natural and experimental atherosclerosis - Sterol degradation (baboons, monkeys)
- ** RO1HL-09103-10 Sterol metabolism in tissue culture cells (human, rabbits)
- RO1HL-09610-10 0001 Control of cholesterol metabolism - Bile acid transport - Adaptive mechanisms in intestinal resectioning (rats)
- ** RO1HL-09610-10 0002 Control of cholesterol metabolism - Bile acid transport - Lipoprotein inhibition of hepatic sterol synthesis (human, rats)
- RO1HL-10894-08 Role of intestinal bacteria in sterol metabolism (rats, human)
- ** RO1HL-12745-06 0002 Enzymes and inhibitors of cholesterol biosynthesis - Trans-methylglutamate shunt and its existence in man
- ** RO1HL-12872-05 Regulation of triterpene alcohol biosynthesis (protozoa)
- P17HL-14196-04 0001 Lipids, thrombosis and genetics in atherosclerosis - Hemodynamic and metabolic factors in atherosclerosis (pigeons)
- P17HL-14196-04 0002 Lipids, thrombosis and genetics in atherosclerosis - Drug effect on cholesterol degradation to bile acids (human)
- P17HL-14230-04 0024 Lipids, atherosclerosis and thrombosis - Plasma and carcass cholesterol (primates)
- P17HL-14230-04 0058 Lipids, atherosclerosis and thrombosis - Dietary cholesterol on sterol balance of Tarahumara Indians
- ** P17HL-14230-04 0080 Lipids, atherosclerosis and thrombosis - Absorption of seafood sterols other than cholesterol (human)
- ** P17HL-14230-04 0081 Lipids, atherosclerosis and thrombosis - Sterol balance studies in pregnancy (human)
- P17HL-14236-04 0001 Prevention of premature arteriosclerosis - Metabolism and transport of cholesterol and vitamin A (human, rats, rabbits)
- P17HL-14236-04 0009 Prevention of premature arteriosclerosis - Clinical studies on cholesterol metabolism (human)
- ** PO1HL-14734-03 0003 Hormonal factors in atherosclerosis and hyperlipidemia - Sterol metabolism - Control of plasma-tissue partition of cholesterol
- ** RO1HL-15476-02 Mechanism and control of sterol biosynthesis (rats, yeast)
- RO1HL-15556-02 Diets and drugs affecting lipid metabolism (human)
- ** MO1RR-00059-13 0067 General clinical research center - Excretion of animal and plant sterols from skin of man
- MO1RR-00059-13 0129 General clinical research center - Absorption of seafood sterols, other than cholesterol, from diet (human)
- STEROLS ESTERS**
- RO1AM-10010-10 Analysis of the lipids of human skin
- RO1AM-14941-02 Biochemical basis of prostaglandin action in the skin (human, rats)
- PO1HD-06576-01 0007 Molecular aspects of mental retardation - Sterol esters in CNS in relation to myelination - Ketone bodies in metabolism
- P17HL-14196-04 0001 Lipids, thrombosis and genetics in atherosclerosis - Hemodynamic and metabolic factors in atherosclerosis (pigeons)
- STIGMASTEROL**
- SEE CHOLESTANE SERIES, STIGMASTEROL
- STILBENES**
- RO1CA-14500-02 Biologically significant polycyclic derivatives
- RO1NS-10385-01 Duchenne's muscular dystrophy - Therapy and basic studies (rabbits, human)
- STILBENES, CHLOROTRIANISENE**
- RO1GM-19815-02 Metabolic study of hypocholesteremic pyridine (rats, monkeys)
- STILBENES, CLOMIPHENE**
- RO1CA-03357-17 Cooperative study of breast cancer
- ** P11GM-15956-07 0043 Factors affecting the responses to drugs - Genetic hypopituitarism and isolated gonadotropin deficiency (human)
- ** PO1HD-02528-08 0078 Research center in mental retardation - Corpus luteum function in treated infertility patients
- RO1HD-06929-02 Fetal health and amniotic fluid HCS and prolactin (monkeys)
- PO1HD-07110-02 0022 Biomedical center for population research - Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman)
- ** RO1HD-07349-01 Effects of perinatal clomiphene on rat sexual behavior
- PO1HD-08338-01 0005 Control of male reproduction - Pituitary gonadal interaction in men
- RO1HL-03941-15 Uterine blood flow and changes in pregnancy (sheep)
- PO1MH-16674-06 0024 A program of psychiatry-oriented biological research - Clomiphene stimulation test of dopamine system in schizophrenics
- RO1MH-25133-02 0004 Steroid hormones in depressive illness - LH secretion in affective disorders (human)
- PO1MH-25515-01 0016 Collaborative biological research on schizophrenia - Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys)
- ** MO1RR-00053-13 0061 Clinical research center - Reduction of sleep related growth hormone release after clomiphene (human)
- MO1RR-00053-13 0065 Clinical research center - Episodic secretion of hormones - Lutenizing hormones (human)
- MO1RR-00134-10 0060 General clinical research center - Effect of luteinizing hormone releasing factor in anovulatory women
- MO1RR-00722-02 0027 General Clinical Research Center - Hypothalamic-pituitary control in ovulation and corpus luteum function (human)
- MO1RR-00827-01 0025 General clinical research center - Mechanisms of hypothalamic-gonadotropin releasing hormone (human)
- ** MO1RR-00828-01 0022 General clinical research center - Effect of clomiphene on pituitary-gonadal axis in infertile males
- ** MO1RR-00828-01 0030 General clinical research center - Use of clomiphene in evaluation of human pituitary function
- STILBENES, DIETHYLSTILBESTROL**
- RO1AM-07084-13 Hormonal control of sebaceous gland function (human)
- RO1AM-12950-06 Electron microscopic studies of parietal cells (rats)
- PO1AM-15512-03 0008 University of Wisconsin program project in nephrology - Kidney preservation (dogs, human)
- RO1CA-03358-17 Cooperative breast cancer group
- RO1CA-03359-17 Cooperative breast cancer group
- RO1CA-03360-17 Cooperative breast cancer group
- RO1CA-03364-17 Cooperative breast cancer group
- RO1CA-03664-16 Cooperative breast cancer group
- RO1CA-03740-16 Cooperative breast cancer group (human)
- RO1CA-03764-16 Cooperative breast cancer group
- RO1CA-04594-14 Cooperative breast cancer group
- ** RO1CA-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
- PO2CA-11911-04 0017 Clinical cancer center - Carcinoma of the prostate
- ** RO1CA-12414-03 Hormonal control of prostatic carcinoma (human)
- RO1CA-12443-04 Veterans administration cooperative urological research groups
- RO1CA-12513-04 Regulatory role of estrogen in hamster tumors
- ** RO1CA-13139-03 Maternal stilbestrol-carcinogenic effect on offspring (human, rodents)
- RO1CA-15260-01 Carcinogen metabolism by host intestinal bacteria (rats)
- ** RO1CA-15656-01 Carcinogenic action of estrogens in primates
- RO1CA-15977-01 Gynecologic Oncology Group
- R18CA-16401-01 0004 University of Chicago cancer center - Gynecologic cancer detection and control
- R18CA-16405-01 0002 Development of regional cancer control program - Colposcopy program (human)
- NO1CH-45122-00 Incidence and natural history of genital tract anomalies and cancer
- ** P10ES-00928-01 0016 Environmental agents - Relation to human health effects - Diethyl stilbestrol exposure in males (human)
- PO1GM-16496-06 0044 Clinical pharmacology - Pharmacokinetics - Biliary excretion and enterohepatic cycling of drugs
- RO1HD-00394-13 Pituitary and hypothalamic proteins and peptides (animals)
- PO1HD-05797-04 0019 Population and reproductive biology - Macromolecular conformation in chromatin (chickens)
- ** RO1HD-08457-01 Analysis and metabolism of diethylstilbestrol (humans, mammals)
- ** NO1HD-42850-01 Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human)
- PO1HL-06835-13 0003 Cardiovascular disease - Factors regulating angiotensin levels in plasma (rats)
- RO1HL-12998-05 Dietary hepatic lipidosis and protein synthesis (rats)
- PO1HL-13262-02 0014 Arterial wall in atherosclerosis - Dietary and endocrine factors on lipoprotein synthesis (rats, monkeys)
- P17HL-14230-04 0039 Lipids, atherosclerosis and thrombosis - Platelet function and inhibition of platelet function (human, rats)
- RO1NS-10385-01 Duchenne's muscular dystrophy - Therapy and basic studies (rabbits, human)
- ** MO1RR-00053-13 0112 General clinical research center - Acanthosis nigricans a result of stilbestrol therapy
- ** MO1RR-00068-12 0049 General clinical research center - Kinetics of testosterone in treatment with progestins and estrogens (human)
- ** MO1RR-00305-08 0022 Clinical research center for children - Multidisciplinary study of muscular dystrophy
- STILBENES, HEXESTROL**
- RO1CA-03227-18 Southeastern cancer study group
- RO1CA-05634-14 Southeastern cancer study group
- STILBESTROL**
- SEE STILBENES, DIETHYLSTILBESTROL
- STILES-CRAWFORD EFFECT (SC-1)**
- SEE EYE, VISION, RETINAL DIRECTIONAL BRIGHTNESS SENSITIVITY
- STILLBIRTH**
- SEE PREGNANCY LOSS, FETAL DEATH
- STIMULANTS, CNS**
- SEE NEUROPHARMACOLOGICAL AGENTS, ANALEPTICS
- STIMULANTS, GANGLIONIC**
- SEE NEUROPHARMACOLOGICAL AGENTS, GANGLIONIC STIMULATING AGENTS
- STIMULANTS, GROWTH**
- SEE GROWTH FACTORS (INCL. ANABOLICS)
- STIMULANTS, MUSCLE**
- SEE MUSCLE STIMULANTS
- STIMULANTS, PSYCHIC**
- SEE PSYCHOPHARMACOLOGICAL AGENTS, ANTIDEPRESSANTS
- STIMULATION, CHEMICAL**
- SEE DRUGS, PHARMACOLOGY, STIMULATION, CHEMICAL
- STIMULUS GENERALIZATION**
- SEE PSYCHOLOGY, LEARNING, GENERALIZATION, STIMULUS
- STIMULUS INTERVAL**
- PO2AM-13083-06 0100 Organ transplantation - Measurement of antibody activity (mammals, nonhuman)
- ** RO1EY-00680-03 Vision-Spatial, temporal and adapting effects (cats, human, monkeys)
- ** PO1EY-01319-01 0011 Visual science research center support - Photochromatic interval in the dark adapted eye
- PO1EY-01319-01 0019 Visual science research center support - Visual masking
- PO1HD-00870-11 0002 Communication research with retarded children - Auditory discriminations
- PO1HD-00870-11 0008 Communication research with retarded children - Factors affecting the imitation and comprehension of speech
- RO1HD-00930-11 Acquisition of stimulus control (ducks, rats, pigeons)
- PO1HD-00973-11 0069 Research program on retarded intellectual development - Recognition processes in memory utilization (children)
- ** RO1HD-02588-08 Stimulus factors in verbal learning of retardates (human)
- RO1HD-04212-06 Perception in premature, term and defective infants (human)
- RO1HD-04524-06 Psychophysiological aspects of aging (human)
- PO1HD-05124-04 0007 Mental retardation - Behavioral and neurologic aspects - Serial learning and recall in retardates
- RO1HD-05653-10 Classical conditioning in retardates and normals (human)
- RO1HD-06753-03 Classical conditioning of heart rate in human infants
- RO1HD-07035-02 Development of inhibition and facilitation of startle (human)
- RO1HD-07981-01 Psychophysiology of memory and aging (rats, mice)
- RO1MH-03372-15 0043 Neural mechanisms in behavior - Additive properties of interrupted training experiences in chicks
- PO1MH-05519-13 0021 Psychosomatic clinical research center - Perceptual memory for numerosness in schizophrenia
- PO1MH-05519-13 0022 Psychosomatic clinical research center - The serial position effect of free recall in schizophrenia
- RO1MH-08423-10 Memory and interference in classical conditioning (cats)
- RO1MH-11857-08 A theory of hypothesis behavior in human learning
- RO1MH-12717-08 Information processing and retrieval
- RO1MH-14314-06 Behavioral processes in conceptual rule learning
- RO1MH-15353-07 Contingencies and controls in EDR conditioning (human)
- RO1MH-15494-06 The matching law (rats, pigeons, human)
- RO1MH-16400-06 Conditioning and response organization (human)
- RO1MH-16496-06 Perception and short-term memory for verbal materials (human)
- RO1MH-16817-05 Cognitive hierarchies
- RO1MH-16853-05 Composite-stimulus control in multielement schedules (rats)
- RO1MH-18246-04 A study of choice behavior (pigeons)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01MH-18422-04 Psychoacoustic research in psychopathology (human)
- R01MH-19006-04 Models of memory and time processes
- R01MH-20449-03 Spatial representation
- R01MH-20495-03 Stimulus encoding in human learning and retention
- R01MH-20752-03 Factors influencing choice behavior (pigeons)
- R01MH-21037-03 Savings and forgetting from long-term memory
- R01MH-21288-03 Concept development
- R01MH-21632-01 Information processing analysis of human memory
- R01MH-21895-02 Discrimination of event frequency—A power of memory
- R01MH-22009-02 Short-term visual memory
- R01MH-22081-02 Rehearsal and recognition in kinesthetic memory
- R01MH-23685-02 Drug-schedule interactions and intercurrent behavior (rats, squirrels)
- P01MH-23878-06 0001 Cognitive processes and mathematical psychology - Coding in short term memory
- ** P01MH-23878-06 0014 Cognitive processes and mathematical psychology - Role of frequency in reinforcement and learning
- P01MH-23878-06 0023 Cognitive processes and mathematical psychology - Probability learning (human)
- P01MH-23878-06 0029 Cognitive processes and mathematical psychology - Short term memory for consonant order
- R03MH-24415-01 Developmental changes in long term retention (children)
- R03MH-24482-01 Excitation, inhibition, and autoshaping (pigeons)
- R03MH-24637-01 Search and decision processes in recognition memory (human)
- R01MH-24964-01 Timing and processing of stimulus events (human)
- R03MH-25004-01 Spatial and temporal properties of visual encoding
- ** R03MH-25070-01 Time and association in auto-shaped responding (pigeons)
- R03MH-25825-01 Exposure, attraction, and affiliation (human)
- R03MH-25873-01 Development studies of attention (human)
- R03MH-26002-01 Multi-solution analysis of problem solving
- R01NS-05437-09 Response plasticity during increased synaptic use (cats)
- R01NS-07755-06 Plasticity of the transected human spinal cord
- R01NS-09783-04 Parameters of cutaneous coding and pattern perception (human)
- R01NS-09874-02 Steady-state and transient masking with sinusoids (human)
- R01NS-10647-01 Studies of spinal response plasticity (cat)
- R01NS-11199-01 Evoked and emitted potentials and time estimation (human)
- R01NS-11620-01 Masking mechanisms (human)
- R01NS-11680-01 Auditory pitch processing of complex tones (human)
- R01NS-12035-01 Binaural speech reception
- ** P07RR-00007-11 0322 Computer processing in biomedical systems - Atrial-ventricular stimulus interval (dogs)
- STIMULUS-RESPONSE (GENERAL)**
SEE ALSO EAR, HEARING, AUDIOSTIMULUS
SEE ALSO ELECTROSTATIC, EVOKED POTENTIALS
SEE ALSO ELECTROSTIMULUS
SEE ALSO EYE, VISUAL STIMULUS
SEE ALSO PHOTOSTIMULUS
SEE ALSO PSYCHOLOGY, BEHAVIOR, SELF STIMULATION
SEE ALSO TEMPERATURE, HEAT, CALORIC STIMULATION
- ** P01AA-00212-06 0006 Oklahoma center for alcohol related studies - Cognitive functioning in alcoholism (human)
- R01AA-00246-05 Alcohol and perceptual cognitive behavior (human)
- R01AA-00397-01 Brain response in alcoholics during drinking cycles
- R18AA-00570-01 Mashell Indian alcohol prevention treatment program
- R01AM-15895-03 Control of bovine serum prolactin concentration (cattle)
- R01DA-00355-02 Marijuana and behavior—Long-term interactions (rats, monkeys)
- R01DE-02152-09 0018 Dental physiology and biophysics - Human response to tooth thermal stimulation
- R01DE-02152-09 0023 Dental physiology and biophysics - Chemical induction of calcific repair (primates)
- ** R01DE-03485-03 Cerebral responses to tooth pulp stimulation in man
- ** R01DE-03739-02 Taste receptor interactions (rat, cattle, swine)
- ** R01EY-00206-13 Retinal ganglion cell responses to time varying stimuli (cats)
- R01EY-00907-01 Correlates of binocular visual stimulation (cats)
- R01EY-00973-02 Electrophysiology of retinal amacrine cells in vision (mud puppies)
- R01EY-01075-01 Neurotransmission in the mammalian retina (rabbits)
- R01EY-01122-01 Development of the mammalian visual system (cats)
- R01EY-01268-02 Development and functions of visual cortex (cats)
- P01EY-01319-01 0002 Visual science research center support - Electrophysiological studies of the cat visual system
- P01EY-01319-01 0003 Visual science research center support - Evoked potential studies in the monkey
- P01EY-01319-01 0005 Visual science research center support - Mesencephalic influence on lateral geniculate nucleus (primates)
- ** P01EY-01319-01 0006 Visual science research center support - Single unit studies of cortical activity (primates)
- P01EY-01319-01 0007 Visual science research center support - Development in the visual system (mammals)
- ** P01EY-01319-01 0013 Visual science research center support - Pupil response for chromatin mechanism
- R01EY-01325-01 Effects of refractive error in single cell coding (rabbits, monkeys)
- P01GM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue
- ** R01GM-19390-03 Biochemistry of a response system of Phycocyanin
- P01HD-00870-11 0006 Communication research with retarded children - Semantic development laboratory
- P01HD-01136-10 0002 Center for research in human learning - Reaction time and information processing (human)
- P01HD-01799-09 0041 Mental retardation research center - Effects of stimulation on sleep and perceptual organization of premature infant
- P01HD-01799-09 0053 Mental retardation research center - Sensory organization and modifiability of behavior in high-risk neonata (human)
- ** P01HD-02274-08 0081 Mental retardation and child development - Initiation of breathing (sheep)
- ** P01HD-02274-08 0101 Mental retardation and child development - Auditory stimuli in eliciting responses (human)
- R01HD-02588-08 Stimulus factors in verbal learning of retardates (human)
- R01HD-04364-12 A developmental study of the stress response (rats)
- R01HD-04379-06 Sequential processes in instrumental learning (rats)
- P01HD-04612-06 0006 Mental retardation research center - Neural correlates of sensation and learning in brain (monkeys, cats)
- ** P01HD-04612-06 0018 Mental retardation research center - Development of visually evoked responses and associated behaviors (cats)
- P01HD-04612-06 0019 Mental retardation research center - Maturation in normal and retarded children
- P01HD-04612-06 0022 Mental retardation research center - Neural response plasticity during learning (human, cats)
- P01HD-05027-05 0018 Developmental psychology - Infant social development
- ** P01HD-05124-04 0005 Mental retardation-Behavioral and neurologic aspects - Measurement of stimulus-control transfer
- P01HD-05124-04 0008 Mental retardation-Behavioral and neurologic aspects - Stimulus control of social behavior
- R01HD-05848-03 Childrens spatial visualization
- P01HD-06276-03 0018 Mental retardation research program - Interaction of competing sensory systems in young infants
- P01HD-06276-03 0042 Mental retardation research program - Visual suppression time-locked to voluntary eye movement (monkeys)
- R01HD-06420-03 Cognitive processes in verbal learning tasks
- M R01HD-07075-01 Reading, crossmodal transfer and stimulus control
- ** R01HD-07075-01 0001 Reading, crossmodal transfer and stimulus control - Crossmodal transfer of stimulus equivalences (monkeys, pigeons)
- P01HD-07329-02 0003 Input structure and retardate performance - Recall and recognition of visual and auditory stimuli
- P01HD-07329-02 0006 Input structure and retardate performance - Tracking enumerative, response contingent and sequential information processing
- ** P01HD-07329-02 0007 Input structure and retardate performance - Intramodal stimulus alternation effects on information processing in retardates
- P01HD-07329-02 0008 Input structure and retardate performance - Intramodal and intermodal distraction during sequential information processing
- P01HD-07329-02 0009 Input structure and retardate performance - Sequential space, rate and velocity extrapolation in retardates and normals
- ** P01HD-07329-02 0010 Input structure and retardate performance - Stimulus versus response-induced psychological refractory period in retardates
- R01HD-07614-01 Development of human visual information processing
- R01HD-08063-01 Overcoming the adverse effects of prematurity
- R01HD-08265-01 Analysis of response speed in mental retardation
- P01HL-10539-09 0023 Pathophysiology of circulation - Meditational states and their application to disease states (human)
- R01HS-01472-01 Computer aids to therapy in critical care
- R10MH-04689-14 0002 Controlled drug evaluation - Response threshold to L-dopa in psychiatric patients
- ** P01MH-08667-10 0013 A longitudinal epidemiology of impaired competence - Environmental enrichment for retardates
- R01MH-11752-10 Effect of psychopharmacologic agents on behavior (mammals, birds, human)
- R01MH-12507-09 Electrophysiological studies of psychiatric disorder
- R01MH-15494-06 The matching law (rats, pigeons, human)
- R01MH-16100-06 Feedback process in punishment and reward (human, monkeys)
- R01MH-16270-07 Sensory information processing (human)
- ** R01MH-16400-06 Conditioning and response organization (human)
- ** R01MH-16853-05 Composite-stimulus control in multielement schedules (rats)
- ** R01MH-16928-06 Concurrent choices and concurrent interresponse times (pigeons, human)
- ** R01MH-18342-05 Aversive properties of discriminative stimuli (pigeons)
- R01MH-19006-04 Models of memory and time processes
- R01MH-20527-03 Mechanisms of voluntary action and voluntary attention (human)
- R01MH-20785-03 Complex behavioral repertoires (primates, birds)
- R01MH-22153-02 Information processing and attention (pigeons)
- R03MH-23653-01 Drugs, arousal and brain steady potential responses (rats)
- R01MH-23863-01 Anxiety control training and systematic desensitization
- P01MH-23878-06 0023 Cognitive processes and mathematical psychology - Probability learning (human)
- P01MH-23878-06 0025 Cognitive processes and mathematical psychology - Response factors in transfer
- ** P01MH-23878-06 0026 Cognitive processes and mathematical psychology - Response to compound stimuli
- R01MH-24341-02 Cognitive response to psychological stress (human)
- R01MH-24445-01 Selectivity in compound Pavlovian conditioning (rats)
- R03MH-24518-01 Classical-classical transfer of training effects (rabbits)
- ** R03MH-24551-01 Autonomic and cortical responses to affective stimuli (human)
- ** R03MH-24578-01 Delayed response and low frequency inhibition (cats)
- R01MH-25134-01 Memory processes (monkeys)
- R03MH-25649-01 Recovery from frontal cortex damage in infants (rats)
- ** R03MH-25883-01 Development of continuous repertoires (pigeons)
- ** P01NS-03627-12 0009 Cerebral and related systems - Insect nervous system studies (fly, honeybee)
- P01NS-06208-09 0004 Epilepsy research program - Action of diphenylhydantoin (lobsters, rats, cattle, rabbits)
- R01NS-06527-08 Studies on larynx and pharynx neurophysiology (human, dogs)
- R01NS-06624-09 CNS control of fluid and electrolyte metabolism (cats)
- R01NS-06728-06 Physiological relations between cerebellar elements (animals)
- R01NS-06730-08 Stimulus-related DC potentials of the cochlea (guinea pigs)
- P01NS-06828-08 0011 Neurophysiology—Sensory systems and cerebral cortex - Psychophysical studies of pain sensibility (monkeys, human)
- ** P01NS-06828-08 0024 Neurophysiology—Sensory systems and cerebral cortex - Sensory events in the limb movements, in the waking, behaving monkey
- ** P01NS-06828-08 0025 Neurophysiology—Sensory systems and cerebral cortex - Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb
- P01NS-06828-08 0026 Neurophysiology—Sensory systems and cerebral cortex - Loss of function, remaining capacity of cortical area of parietal lobe (monkey)
- P01NS-06828-08 0027 Neurophysiology—Sensory systems and cerebral cortex - Psychophysical studies of warmth sensibility (human, monkeys)
- P01NS-06828-08 0028 Neurophysiology—Sensory systems and cerebral cortex - Afferent input evoked by a noxious stimulus (monkeys)
- ** P01NS-06828-08 0032 Neurophysiology—Sensory systems and cerebral cortex - Neuronal activity and pattern perception
- R01NS-08902-05 Mechanisms of olfactory communication (gerbils, hamsters)
- R01NS-09694-03 Studies of communication (dolphin)
- P01NS-09704-04 0023 Developmental neurology - Receptive field organization of primate somatosensory cortex
- P01NS-09704-04 0039 Developmental neurology - Eye movement related visual suppression (primates)
- R01NS-09809-04 Temperature and pain in CNS (cats, monkeys)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** POINS-09889-04 0016 Investigation of agents which damage the ear - Measurement of auditory thresholds (guinea pigs)
- ** ROINS-09940-03 Responses to suprathreshold vibratory stimulation (human)
- ROINS-10140-03 Olfactory discrimination (rats)
- ROINS-10224-01 Neurophysiological study of pain and somatic sensation (cat)
- ROINS-10251-02 Central nervous system mechanisms subserving pain (cats, primates)
- ROINS-10321-03 Adequate stimuli for spinal and projection mechanisms (monkeys, cats)
- ** ROINS-10327-03 Stimulus-response coupling in contractile cells (frogs, crabs, protozoa)
- ROINS-10405-03 Neural coding of taste-quality information (rats)
- ** ROINS-10420-03 Electrophysiology of the genital sensory system (cats)
- POINS-10468-03 0003 The perception of speech events - Language (children)
- ROINS-10469-02 Regulation of synchronous neuronal discharge (cats)
- ** ROINS-10560-01 Sinusoidal acceleration. A test of vestibular function (human, cats)
- ** ROINS-10647-01 Studies of spinal response plasticity (cat)
- ROINS-10854-01 Neurophysiology of single vestibular neurons (monkeys)
- ROINS-10916-01 Binaural hearing (human)
- ROINS-11047-01 Cardiovascular effects on hypothalamic unit (dogs)
- ROINS-11083-02 'Kindling' preparations and antiepileptic drugs (monkeys, rats and cats)
- ROINS-11252-01 Function of a brain calcium-binding protein (rats, mice)
- ROINS-11458-01 Neurophysiologic studies of respiratory control (mammals)
- ROINS-11565-01 Disuse supersensitivity of the auditory system (human, mice)
- POINS-11601-01 Special clinical center for communications research (children)
- ROINS-11654-01 Central neural mechanisms of hearing (cats)
- ** ROINS-11667-01 Signal generating mechanisms in olfactory epithelium (frogs)
- ROINS-12030-01 Central interactions with somatosensory neurons (cats)

STOICHIOMETRY

SEE CHEMISTRY, STOICHIOMETRY

STOKES-ADAMS DISEASE

SEE HEART DISORDERS, ARRHYTHMIA, HEART BLOCK, STOKES-ADAMS SYNDROME

STOMACH

SEE GASTROINTESTINAL SYSTEM, STOMACH

STOMACH DILATATION

SEE GASTROINTESTINAL DISORDERS, STOMACH RETENTION

STOMACH DISORDERS

SEE GASTROINTESTINAL DISORDERS, STOMACH DISORDERS (GENERAL)

STOMACH NEOPLASMS

SEE GASTROINTESTINAL NEOPLASMS, STOMACH NEOPLASMS

STOMACH PRESSURE-MOTILITY

SEE GASTROINTESTINAL PRESSURE-MOTILITY, STOMACH

STOMACH RETENTION, DILATATION, ANTONIA

SEE GASTROINTESTINAL DISORDERS, STOMACH RETENTION

STOMACH SURGERY

SEE GASTROINTESTINAL SURGERY, STOMACH SURGERY

STOMACH ULCER

SEE GASTROINTESTINAL DISORDERS, PEPTIC ULCER

STOMATITIS, APHTHOUS

SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

STOP FLOW TECHNIQUE

SEE PHYSICAL PROPERTIES, FLOWMETERS, STOP FLOW TECHNIQUE*

STORAGE DISORDERS

SEE METABOLIC DISORDERS INBORN, LYSOSOMAL DISORDERS

STP

SEE PHENYLALKYLAMINES, 2,5-DIMETHOXY-4-METHYLAMPHETAMINE

STRABISMUS

SEE EYE MOVEMENT AND COORDINATION DISORDERS, EYE COORDINATION DISORDERS

STRATUM CORNEUM (EPIDERMIS)

SEE SKIN (GENERAL)

STREAMING BIREFRINGENCE

SEE OPTICS, BIREFRINGENCE, STREAMING*

STREAMS

SEE WATER ENVIRONMENT, LIMNOLOGY

STREPTOCOCCAL INFECTIONS

SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS

STREPTOCOCCAL VACCINE

SEE VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES

STREPTOCOCCUS

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS*

STREPTOCOCCUS AGALACTIAE

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS GROUP B*

STREPTOCOCCUS GROUP A

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS GROUP B

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS GROUP B*

STREPTOCOCCUS GROUP D

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*

STREPTOCOCCUS GROUP G

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS GROUP G*

STREPTOCOCCUS HEMOLYTICUS (S.PYOGENES)

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS MITIS

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS MITIS*

STREPTOCOCCUS MUTANS

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS MUTANS*

STREPTOCOCCUS PNEUMONIAE

SEE BACTERIA, LACTOBACILLACEAE, DIPLOCOCCUS PNEUMONIAE*

STREPTOCOCCUS PYOGENES (S. HEMOLYTICUS)

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS SALIVARIUS

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS SALIVARIUS*

STREPTOCOCCUS SANGUIS

SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS SANGUIS*

STREPTOKINASE

SEE IMMUNOLOGY, ANTIGENS BACTERIAL, STREPTOKINASE

STREPTOLYDIGIN

SEE ANTIBIOTICS, STREPTOLYDIGIN

STREPTOLYSIN

SEE IMMUNOLOGY, ANTIGENS BACTERIAL, STREPTOLYSIN

STREPTOMYCES

SEE ACTINOMYCETALES, STREPTOMYCES*

STREPTOMYCETACEAE

SEE ACTINOMYCETALES, STREPTOMYCETACEAE*

STREPTOMYCIN

SEE ANTIBIOTICS, STREPTOMYCIN

STREPTONIGRIN

SEE ANTIBIOTICS, STREPTONIGRIN

STREPTOVARICIN

SEE ANTIBIOTICS, STREPTOVARICIN

STREPTOZOTOCIN

SEE ANTIBIOTICS, STREPTOZOTOCIN

STRESS BIOLOGICAL, PHYSIOLOGICAL

SEE ENVIRONMENT, STRESS

STRESS MECHANICAL

SEE ENVIRONMENT, STRESS MECHANICAL

STRESS, MUSCLE

SEE MUSCLE FUNCTION, MUSCLE STRESS

STRESS, PRENATAL

SEE PREGNANCY, PRENATAL STRESS

STRESS PSYCHOLOGIC

SEE PSYCHOLOGIC STRESS

STRETCH RECEPTORS

SEE MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS) SEE RESPIRATORY SYSTEM, PULMONARY STRETCH RECEPTORS

STRETCH REFLEX

SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

STRIATED MUSCLE

SEE MUSCLES, STRIATED MUSCLE

STRING BEAN

SEE PLANTS, FABACEAE, PHASEOLUS*

STROKE

SEE CEREBROVASCULAR DISORDERS, STROKE

STROKE AND NEUROLOGY PROGRAM PROJECT COMMITTEE

SEE NEUROLOGY AND STROKE PROGRAM PROJECT COMMITTEE

STROKE CARE UNITS

SEE HOSPITALS, INTENSIVE CARE UNITS, STROKE

STROMA, CELL

SEE CELL COMPONENTS, CELL STROMA

STROMA, CONNECTIVE TISSUE

SEE CONNECTIVE TISSUE, STROMA

STRONGYLOIDES

SEE HELMINTHS, NEMATODES, STRONGYLOIDES

STRONGYLOIDIASIS

SEE PARASITIC DISEASES, HELMINTH INFECTIONS, STRONGYLOIDIASIS

STRONTIUM (COMPOUNDS)

SEE METALS, ALKALINE EARTH METALS, STRONTIUM

STRONTIUM, RADIOLABELED

SEE RADIOLABELED STRONTIUM*

STRONTIUM RADIOISOTOPES (85,87M,89,90)

SEE RADIOISOTOPES, STRONTIUM

STROPHANTHIDIN

SEE CARDIAC GLYCOSIDES AGLYCONES, STROPHANTHIDIN

STROPHANTHIN G

SEE CARDIAC GLYCOSIDES, QUABAIN

STRUCTURAL CHEMISTRY

SEE CHEMICAL STRUCTURE

STRUMA LYMPHOMATOSA

SEE THYROID GLAND DISORDERS, THYROIDITIS LYMPHOMATOUS

STRYCHNINE

SEE ALKALOIDS, STRYCHNINE

STUART FACTOR

SEE BLOOD COAGULATION, FACTOR X

STUDENT DROP-OUTS

SEE EDUCATION, STUDENT DROP-OUTS

STUDENT HEALTH SERVICES

SEE HEALTH CARE SERVICES, STUDENT HEALTH SERVICES

STUDENTS, HEALTH OCCUPATIONS

SEE EDUCATION, HEALTH OCCUPATIONS

STYRENE POLYMERS

SEE PLASTICS, STYRENE POLYMERS

SU-4885

SEE PYRIDINES, METYRAPONE

SU-13197

SEE AZEPINES, SU-13197

SUBACUTE INCLUSION BODY ENCEPHALITIS

SEE NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS

SUBACUTE NECROTIZING ENCEPHALOMYELOPATHY

SEE NERVOUS DISORDERS, DEMYELINATION, SUBACUTE NECROTIZING ENCEPHALOMYELOPATHY

SUBACUTE SCLEROSING PANENCEPHALITIS

SEE NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS

SUBACUTE SPONGIFORM VIRAL ENCEPHALOPATHIES

SEE NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM

SUBARACHNOID SPACE

SEE NERVOUS SYSTEM CENTRAL, MENINGES, SUBARACHNOID SPACE

SUBCLAVIAN STEAL SYNDROME

SEE CEREBROVASCULAR DISORDERS, SUBCLAVIAN STEAL SYNDROME

SUBCORTICAL STRUCTURES

SEE BRAIN, SUBCORTICAL STRUCTURES

SUBCORTICOSPINAL TRACTS

SEE NERVOUS SYSTEM CENTRAL, SUBCORTICOSPINAL TRACTS

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

SUBCUTANEOUS FIBROSIS

SEE CONNECTIVE TISSUE HYPERPLASIA, FIBROSIS
SUBCUTANEOUS

SUBDURAL SPACE

SEE NERVOUS SYSTEM CENTRAL, MENINGES, SUBDURAL
SPACE

SUBGINGIVAL CURETTAGE

SEE DENTISTRY, SUBGINGIVAL CURETTAGE

SUBLINGUAL GLAND

SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL

SUBMANDIBULAR GLAND

SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBMAXILLARY GLAND

SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBSTANCE P (STEROID)

SEE PREGNANE SERIES SALPHA, SALPHA-PREGNANE-3BETA,
17ALPHA,21-TRIOLE-20-ONE

SUBSTANTIA NIGRA

SEE BRAIN, MESENCEPHALON, SUBSTANTIA NIGRA

SUBSTITUTE SIGHT SYSTEM FOR THE BLIND

SEE EYE DISORDERS, AIDS FOR THE BLIND, SUBSTITUTE
SIGHT

SUBSTITUTION REACTIONS (CHEMISTRY)

SEE CHEMICAL REACTIONS, SUBSTITUTION

SUBSTITUTION TRANSFUSION

SEE BLOOD TRANSFUSION, EXCHANGE

SUBTHALAMUS

SEE BRAIN, SUBTHALAMUS

SUBTILISIN

SEE ANTIBIOTICS, SUBTILISIN

SUCCESS-FAILURE

SEE PSYCHOLOGY, PERFORMANCE, SUCCESS-FAILURE

SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE

SEE OXIDOREDUCTASES, SUCCINATE:(ACCEPTOR)
OXIDOREDUCTASE

SUCCINATE:COA LIGASE(ADP)

SEE ACID-THIOL LIGASES, SUCCINATE:COA LIGASE (ADP)

SUCCINIC ACID

SEE DICARBOXYLIC ACIDS, SUCCINIC ACID

SUCCINIC THIOKINASE (ADP)

SEE ACID-THIOL LIGASES, SUCCINATE:COA LIGASE (ADP)

SUCCINIMIDE

SEE PYRROLIDINEDIONES, SUCCINIMIDE

SUCCINYLCOLINE

SEE CHOLINE, SUCCINYLCOLINE

SUCCINYLCOLINE SENSITIVITY

SEE METABOLIC DISORDERS INBORN,
PSEUDOCHOLINESTERASE DEFICIENCY

SUCCINYLCOA:GLYCINE C-

SUCCINYLTRANSFERASE
SEE TRANSACYLASES, AMINOLEVULINATE SYNTHASE

SUCCINYLCOA SYNTHETASE (ADP)

SEE ACID-THIOL LIGASES, SUCCINATE:COA LIGASE (ADP)

SUCKING BEHAVIOR

SEE PSYCHOLOGY, BEHAVIOR, SUCKING

SUCRASE

SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

SUCROSE

SEE DISACCHARIDES, SUCROSE

SUDDEN INFANT DEATH SYNDROME

SEE INFANT MORTALITY, CRIB DEATH

SUDIFEROUS GLANDS

SEE SKIN, SWEAT GLANDS

SUFFOCATION, ACCIDENTAL

SEE INJURIES, ACCIDENTS, SUFFOCATION

SUGAR ACIDS

SEE ALSO TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES
P11GM-16216-06 0015 Toxicological problems of drugs
(placental transfer, lactation) - Metabolic profiles of urinary
acids in the newborn infant (human, rats)

SUGAR ACIDS, ALDARIC ACIDS

SEE ALSO SUGAR ACIDS, TARTARIC ACIDS
R01GM-11293-11 Crystal structural studies in carbohydrate
chemistry

**SUGAR ACIDS, ALDOBIURONIC ACIDS,
HYALOBUIURONIC ACIDS**

SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS,
HYALURONIC ACID

R23DE-03866-01 Effects of sex steroids on gingival
glycosaminoglycans

SUGAR ACIDS, ALDONIC ACIDS

SEE ALSO SUGAR ACIDS, NEURAMINIC ACID
SEE ALSO SUGAR ACIDS, SIALIC ACIDS
R01GM-11293-11 Crystal structural studies in carbohydrate
chemistry

**SUGAR ACIDS, HEXARIC ACIDS, SACCHARIC
ACID**

** P11GM-15431-08 0026 Research center for clinical
pharmacology and drug toxicology - D-glucaric acid
excretion (human, guinea pigs)
** P11GM-15477-08 0004 Drug metabolism and biochemical
pharmacology - Blood and urine levels as indices of the
rate of drug metabolism (human)
P11GM-15559-07 0034 Clinical pharmacology -
Biochemistry of multiple drug therapy (rats)

SUGAR ACIDS, HEXONIC ACIDS, GLUCONATES

PO1HD-05221-05 0027 Center grant in mental retardation
- Neurophysiology

**SUGAR ACIDS, HEXURONIC ACIDS,
GLUCURONIC ACID**

SEE ALSO SUGAR NUCLEOTIDES, URIDINE DIPHOSPHATE
GLUCURONIC ACID

** R01AA-00667-01 Effect of alcohol on glucuronide
conjugation of drugs (animals)
PO1AM-05996-13 0016 Biochemistry of connective tissues -
Dermatan sulfate (pigs, horses)
** R01AM-06018-12 Gastrointestinal metabolic functions
(human, dogs, cats)
P17AM-17026-01 0031 Vanderbilt University Diabetes-
Endocrinology Center - Polyp pathway and the glucuronate-
xylose cycle in diabetes
R01AM-18088-01 Hepatic bilirubin transport (human)
R01CA-05449-13 Mechanism of bladder cancer (dogs,
rats)
R01GM-12422-10 Inositol metabolism (plants, algae)
** P11GM-15431-08 0027 Research center for clinical
pharmacology and drug toxicology - Interactions of drugs
with glucuronic acid (rats)
P11GM-15431-08 0030 Research center for clinical
pharmacology and drug toxicology - Drug metabolism
P11GM-15431-08 0035 Research center for clinical
pharmacology and drug toxicology - Biochemical
pharmacology of delta-9-tetrahydrocannabinol (rats)
P11GM-16216-06 0040 Toxicological problems of drugs
(placental transfer, lactation) - Drug metabolism in the
newborn-Glucosiduronic acid conjugation
P11GM-16216-06 0055 Toxicological problems of drugs
(placental transfer, lactation) - Research approaches to
treatment of organic chemical poisoning (mammals
subhuman)
R01GM-19227-03 Determination of steroids in blood
(human)
PO1HD-05996-03 0004 Prevention of mental retardation
through prenatal diagnosis - Intermediary carbohydrate
metabolism in fetal cells (human)
PO1HD-06276-03 0063 Mental retardation research
program - Metabolic pathways of glucose in fetal brain
(human)
** R01MH-11468-09 0017 Psychopharmacology research
center - Metabolic interactions with conjugation of steroids
with glucuronic acid (rats)
M01RR-00210-10 0009 General clinical research center-
Maternal-child - Glycosaminoglycans composition of human
placenta

**SUGAR ACIDS, HEXURONIC ACIDS,
GLUCURONIDES**

SEE ALSO BILE PIGMENTS, BILIRUBIN GLUCURONIDES

SEE ALSO STEROIDS GLYCOSIDES, STEROID GLUCURONIDES
** R01AM-05452-12 Cortisone/glucosiduronic acid synthesis
and isolation
R01AM-13757-17 Hepatic excretory function (rats, guinea
pigs)
R01AM-16552-01 Hepatic excretion of anionic drugs
R01CA-12974-03 Amine N-oxidation in bladder cancer
(dog)
PO1CA-13038-03 0046 Experimental therapeutics and
cancer drug program - 3-methylcholanthrene and
glucuronide synthesis in perfused rat liver
PO1CA-13038-03 0047 Experimental therapeutics and
cancer drug program - Dimethylnitrosamine and
glucuronidation in perfused rat liver
** PO1CA-13038-03 0048 Experimental therapeutics and
cancer drug program - Evidence of two pools of hepatic
glucuronide (rats)
** PO1CA-13038-03 0049 Experimental therapeutics and
cancer drug program - Drug metabolism in tumor-bearing
animals
R01CA-13745-02 Regulation of prostatic growth by
androgens (human, rats)
R01CA-14656-02 Polyenes as antitumor agents (mice)
R01CA-15268-01 Carcinogen metabolism by host intestinal
bacteria (rats)
PO1CA-16359-01 0019 Cancer center support grant -
Antitumor activity of 5-hydroxy-2-formylpyridine
thiosemicarbazone

R01ES-00121-09 Oxidation dealkylation of insecticides
(rats, human, fish, quail)

** P11GM-12675-10 0009 Biochemical toxicology and
pharmacology - Enterohaptic circulation-Acetaminophen
glucuronide and sulfate (rats, human)
P11GM-12675-10 0025 Biochemical toxicology and
pharmacology - Role of drug metabolism in the toxicity of
glutethimide (human, dogs, rodents)
** P11GM-12675-10 0050 Biochemical toxicology and
pharmacology - Glucuronide formation-Morphine and P-
nitrophenol (human, cat, rodents)
PO1GM-16492-06 0014 Design of chemotherapeutic agents
- Mass spectrometry-Urinary conjugates of cholecalciferol
and dihydroxycholesterol
PO1GM-16496-06 0050 Clinical pharmacology-
Pharmacokinetics - Biliary back pressure and excretion of
drugs in bile (rats)
R01GM-20316-01 Regulation of microsomal enzymes by
phospholipids (Gunn rats, guinea pigs)
R01MH-12007-08 0001 Psychoactive phenolic amine
analysis - Cannabis (rabbits, human)

**SUGAR ACIDS, HEXURONIC ACIDS, L-IDURONIC
ACID**

R01AM-02479-16 Isolation and structure of acid
mucopolysaccharides (rats, cattle)
PO1AM-05996-13 0004 Biochemistry of connective tissues -
Structure of heparin sulfates and heparin (rabbits, horses,
mollusks)
PO1AM-05996-13 0016 Biochemistry of connective tissues -
Dermatan sulfate (pigs, horses)
PO1AM-05996-13 0026 Biochemistry of connective tissues -
Mucopolysaccharidases and glycosphingolipidoses (human)
** R01AM-32203-02 Phenyl a-L-iduronide and related
compounds
** PO1HD-04583-06 0006 Mental retardation research center
- L-iduronidase (human)
M01RR-00305-08 0017 Clinical research center for children
- Hurler-Hunter syndrome and other mucopolysaccharidoses

SUGAR ACIDS, MURAMIC ACID

SEE ALSO GLYCOPOLYPEPTIDES, PEPTIDOGLYCOLIPID
R01AI-06692-10 Chemistry of bacterial cell walls
R01AI-10925-03 A new approach to enzyme-resistant
penicillins (bacteria)

SUGAR ACIDS, NEURAMINIC ACID

SEE ALSO SUGAR ACIDS, SIALIC ACIDS
** R01AI-42526-00 Synthesis of 20 grams of 2-(3-
methoxyphenyl)-N-acetyl-a-neuroaminic acid
R01AM-02856-16 Cystic fibrosis of the pancreas (human,
dogs, cats)
R01AM-15440-04 Subcellular reaction to injury in the
kidney (human, rats, mice, frogs, fish)
R23HL-17130-01 Plasma membranes in cystic fibrosis
(tissue culture)
** R01MH-14110-07 0007 Neural modulation and
transmission - Biological effects of neuroamine metabolites
** R01MH-14110-07 0017 Neural modulation and
transmission - Neuroamines and neurotropic drugs
(earthworms, frogs)
R01MH-14110-07 0021 Neural modulation and
transmission - Aromatic neuroamine acids

SUGAR ACIDS, SIALIC ACIDS

R01AA-00312-03 0003 Acute and chronic gastric mucosal
injury due to alcohol - Mechanism of gastric mucosal injury
caused by alcohol (rats, guinea pigs)
R01AI-03536-14 Biochemistry of virus infections
** R01AM-08432-09 Mechanism of induced renal disease
(mammals)
R01AM-15465-03 Normal and pathological lysosomal
metabolism (rats)
R01AM-16363-01 Liver plasma binding of serum
glycoproteins
R01AM-16932-01 Carbohydrates in thyroglobulin in thyroid
tumor (human)
R01AM-17722-01 Immunologic mechanisms of glomerular
injury (guinea pigs)
PO1CA-07175-11 0017 Cancer research at the McArdle
laboratory - Mechanisms of cell interactions (chick embryo)
R01CA-10126-08 Mechanisms of transformation by
oncogenic viruses
PO1CA-13038-03 0065 Experimental therapeutics and
cancer drug program - L1210 plasma membrane sialic acid
and sialyltransferase
** PO1CA-13038-03 0069 Experimental therapeutics and
cancer drug program - Aflatoxins and rat liver
sialyltransferase
R01CA-13188-03 Cancer immunotherapy by bulk LATCH
culture (dogs, mice)
R01CA-13220-03 Membrane biochemistry of neoplastic
cells
R01CA-13534-03 Plasma membrane proteins in normal
and cancer cells (human)
R01CA-13992-02 0001 Surface membranes of normal and
cancer cells - Sialyl transferase in virus-transformed cells
(hamsters, ducks)
R01CA-13992-02 0002 Surface membranes of normal and
cancer cells - Distribution of the fucose-sialyl glycoprotein
within the cell

(contd)

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- R01CA-13992-02 0003 Surface membranes of normal and cancer cells - Presence of the fucose-sialyl glycoprotein in various types of cells (human)
- R01CA-13992-02 0004 Surface membranes of normal and cancer cells - When and where is the fucose-sialyl glycoprotein made
- ** R01CA-13992-02 0006 Surface membranes of normal and cancer cells - Disc gel electrophoresis
- ** R01CA-13992-02 0008 Surface membranes of normal and cancer cells - Sialic acid from glycolipids (L cells)
- ** R01CA-14491-01 Novel transport proteins in hepatoma (human, rabbits)
- R01CA-15182-01 0002 In vitro characterization of Hodgkin's disease cells - Isolation and characterization of tumor associated antigens (human, hamsters)
- R01CA-15889-01 Cell surface changes in viral oncogenesis (mice)
- ** R01EY-00393-07 Glycolipid and glycoprotein metabolism in eye tissue (animals)
- P01GM-21096-01 0005 Enzyme therapy in lysosomal storage diseases - Structural studies on human beta-glucuronidase (from platelets, placenta)
- P01HD-04147-06 0007 Research in mental retardation - Sialosomucopolysaccharides in inborn errors of metabolism (human)
- ** R01HL-02965-18 Metabolism of plasma lipoproteins
- R01HL-08251-11 0003 Pathophysiology of vascular injury - Glomerular and vascular permeability (mice, rats)
- R01HL-11047-08 Platelet preservation and physiology (human)
- R01HL-12787-05 Surface properties of blood elements (human)
- R01HL-14719-12 Role of copper in metabolism (chickens)
- R01HL-14820-02 Factors affecting physiology of biological membranes (human)
- R01NS-10048-03 Mucus clearance in secretory otitis media (cattle, frogs)
- ** P01NS-10175-03 0023 Neuromuscular disease research center - Myotonia-sialic acid composition of sarcoplasmic reticulum (goats)
- SUGAR ACIDS, TARTARIC ACIDS**
- R01GM-21368-01 Role of lysosomal L-tartrate inhibitable phosphatase (rats, fungi)
- SUGAR ACIDS, URONIC ACIDS**
- SEE ALSO SUGAR ACIDS, HEXURONIC ACIDS, GLUCURONIC ACID
- ** R01AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
- P01AM-05996-13 0027 Biochemistry of connective tissues - Diagnosis of atrial myxomas (human)
- R01CA-15653-04 Biochemistry of amino sugars (bacteria)
- R01GM-11976-10 Synthesis of biologically important carbohydrates
- SUGAR ALCOHOLS**
- SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHOINOSITIDES
- SEE ALSO TRIOSE ALCOHOLS, GLYCERIN
- R01AM-09171-10 Organic studies and the mechanism of enzyme action
- ** P11GM-16216-06 0051 Toxicological problems of drugs (placental transfer, lactation) - Urinary sugars and sugar alcohols in the newborn (human)
- SUGAR ALCOHOLS, CYCLITOLS**
- SEE ALSO SUGAR ALCOHOLS, HEXITOLS, INOSITOL
- ** R01AM-07719-11 Polyhydroxycycloalkanes
- ** R01GM-19252-06 Chemical studies related to cyclitol biosynthesis
- SUGAR ALCOHOLS, HEXITOLS**
- R23DE-03634-02 Regulation of carbohydrate catabolism in *Streptococcus mutans*
- SUGAR ALCOHOLS, HEXITOLS, GALACTITOL**
- R01AM-10894-08 0002 Genetic metabolic diseases of infancy and childhood - Metabolism of galactose in liver and intestine (rats)
- SUGAR ALCOHOLS, HEXITOLS, GALACTITOL, DIBROMOGALACTITOL**
- R10CA-03526-17 Childrens cancer study group A
- R10CA-03750-17 Childrens cancer study group A
- R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
- R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
- R10CA-05436-14 Childrens cancer study group A
- R10CA-07439-11 Childrens cancer study group A
- ** P02CA-08832-08 0154 An integrated study of advanced malignant diseases - Hexamethylmelamine, dibromodulcitol, and cyclophosphamide for lung cancer
- R10CA-12271-04 Central oncology group
- R10CA-12273-04 Central oncology group
- R10CA-12283-04 Central oncology group
- R10CA-12286-04 Central oncology group
- R10CA-12289-04 Central oncology group
- R10CA-13290-03 Clinical pharmacology (dogs, rodents, human)
- R01CA-15093-01 Brain tumor chemotherapy screening model (human, rats)
- M01RR-00051-13 0023 General clinical research center - Cancer chemotherapeutic agents (human)
- M01RR-00051-13 0152 General clinical research center - Cancer chemotherapy in solid tumors with poor prognosis (human)
- SUGAR ALCOHOLS, HEXITOLS, D-GLUCITOL**
- ** R01AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
- P01AM-06741-12 0004 Dialysis in treatment of chronic uremia - Peritoneal dialysis (human)
- R01AM-14507-05 Carbohydrate and lipid metabolizing pathways (monkeys, human)
- ** R01AM-15019-03 Neuropathy in diabetes - Role of sorbitol pathway (human, rats)
- R01AM-16747-01 Blood brain barrier and carbohydrate metabolism (dogs, rabbits)
- R01EY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- R01HL-15716-02 Sugar transport in developing heart cells (chick embryo)
- ** P18HL-16008-02 0002 Wayne State University comprehensive sickle cell center - Treatment by lowering the levels of red cell DPG (human, monkeys, rats, rabbits)
- ** M01RR-00037-14 0006 General clinical research center - Effect of isosorbide in reduction of increased intracranial pressure (human)
- M01RR-00042-14 0067 General clinical research center - Home peritoneal dialysis with automated cycling device and sorbitol dialysate
- M01RR-00082-12 0004 General clinical research center - Isosorbide treatment following keratoplasty (human)
- M01RR-00125-11 0194 General clinical research center - adult-child - Lactulose treatment of hyperammonemia
- ** M01RR-00349-08 0039 General clinical research center - Metabolic effects of sorbitol in humans
- SUGAR ALCOHOLS, HEXITOLS, INOSITOL**
- R01AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
- ** R01AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
- R01AM-17783-01 Proline, glycine and collagen formation (chick embryo, rats)
- R01CA-02228-20 Plasma membranes of normal and tumor cells (mice, KB cells)
- R01EY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- ** R01EY-00484-07 Intraocular transport (rabbits, rats, sheep)
- R01EY-00703-04 Biochemical studies in normal and cataractous lenses (human, rabbits)
- ** R01GM-07446-15 Metabolism and biological function of inositol (bacteria)
- ** R01GM-12422-10 Inositol metabolism (plants, algae)
- P11GM-16216-06 0051 Toxicological problems of drugs (placental transfer, lactation) - Urinary sugars and sugar alcohols in the newborn (human)
- ** R01HD-06007-03 Metabolism of myoinositol during development (rats)
- ** R01HD-06007-03 0001 Metabolism of myoinositol during development (rats) - The origin of fetal blood myoinositol (rats)
- ** R01HD-06007-03 0002 Metabolism of myoinositol during development (rats) - Myoinositol activity in mammary glands
- ** R01HD-06007-03 0003 Metabolism of myoinositol during development (rats) - Effect of myoinositol absence on neonate development (rats)
- R01HD-08211-01 Reproductive biology of the testis (rats, human)
- R01HL-12399-09 Specific fatty acids and cholesterol metabolism (gerbils, monkeys)
- R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- R01NS-03101-14 Phospholipids of the nervous system (animals)
- ** R01NS-05159-11 Metabolism of inositols and inositides (rats)
- SUGAR ALCOHOLS, HEXITOLS, INOSITOL PHOSPHATES**
- R01AM-00884-19 Complex phospholipids of *Mycobacterium* species
- R01AM-04722-14 Uronic acid pathway in human diabetics (and rats, rabbits)
- M01ES-22110-06 Noise and ototoxic drugs on hearing loss (guinea pigs)
- R01GM-12422-10 Inositol metabolism (plants, algae)
- R01HD-02871-08 Phospholipid metabolism during development (rats)
- P01HD-07578-01 0006 Growth and nutrition of normal infants - Minerals-Calcium, phosphorus, magnesium (human)
- ** R01HL-13802-04 Studies of human platelet inositides
- R01NS-00702-20 Metabolism and function in sympathetic neurons (rats, squid, chicks)
- ** R01NS-09178-10 Biochemical mono and polyphosphate crystal structures
- R01NS-10013-02 Phospholipid biosynthesis in developing brain (rats, pigs)
- ** R01NS-10019-03 Nerve triphosphoinositide function (cats)
- ** R01NS-10108-03 Brain phosphoinositides-Relevance to prostaglandins (human)
- SUGAR ALCOHOLS, HEXITOLS, ISOSORBIDE DINITRATE**
- ** M01RR-00082-12 0004 General clinical research center - Isosorbide treatment following keratoplasty (human)
- SUGAR ALCOHOLS, HEXITOLS, MANNITOL**
- R01AM-04837-14 Diet and mental development in galactosemia (human)
- P01AM-11793-07 0002 Kidney and electrolyte metabolism - Nephron function during hypoperfusion (rats)
- R01AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
- P01AM-17433-01 0009 Cardiovascular, metabolic aspects of membrane transport - Renal hemodynamics in renal disorders (rats)
- R01CA-15435-02 0001 Pharmacokinetics of brain tumor chemotherapy - Precise anatomic localization of rat glioma (monkeys)
- R01GM-16503-06 Alteration in drug metabolism by certain carbamates (chickens, rabbits, human)
- P01HD-05221-05 0028 Center grant in mental retardation - Neurosurgical research
- R01HD-06334-03 Regulation of neonatal serum bilirubin concentration (human, rats, dogs)
- P01HL-06285-14 0143 Cardiovascular-respiratory physiology and biochemistry - Myocardial ischemia (human, dogs, lambs)
- ** P01HL-06664-13 0010 Cardiopulmonary function in remediable vascular disease - Management of acute ischemia by reduction of cell swelling (human, dogs, rats)
- P01HL-10539-09 0042 Pathophysiology of circulation - Tolerance of isolated cardiac muscle to hypoxia
- R01HL-12827-05 Regulation of sodium excretion (dogs, rats)
- R01HL-13625-05 Radionuclide study of regional myocardial blood flow (dogs, human)
- R01HL-14362-03 Acute renal failure (dogs, cats, rats, guinea pigs)
- R01HL-14914-02 Autoregulation of glomerular filtration rate (rats)
- ** R01HL-15522-02 Influence of mannitol on ischemic cardiac muscle (dogs, cats)
- R01HL-15680-02 Intestinal secretion-capillary and tissue forces (dogs)
- R01HL-16656-01 Left ventricular function in exercise (dogs)
- ** N01HV-22947-02 Intervention to protect ischemic myocardium, minimize infarct (mammals)
- P01NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
- P17NS-11120-02 Stroke acute care research unit (human)
- M01RR-00133-10 0056 General clinical research center - Control of body osmolality in diabetics (human)
- SUGAR ALCOHOLS, HEXITOLS, MANNITOL, DIBROMOMANNITOL**
- R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
- P02CA-05837-12 0006 Cancer clinical research - Hydroxyurea and cytosine arabinoside (human)
- R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
- R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
- SUGAR ALCOHOLS, PENTITOLS**
- R01AJ-06848-09 Evolution of enzymatic activities (bacteria)
- R01GM-20334-02 Genetic manipulation of bacteria for abnormal growth
- ** P18HL-16008-02 0002 Wayne State University comprehensive sickle cell center - Treatment by lowering the levels of red cell DPG (human, monkeys, rats, rabbits)
- SUGAR ALCOHOLS, PENTITOLS, D-ARABITOL**
- P02CA-15145-01 0051 Cancer center support grant - Structures of variable regions of antibodies
- ** R01GM-20334-02 Genetic manipulation of bacteria for abnormal growth
- SUGAR ALCOHOLS, TETRITOLS, ERYTHRITOL TETRAITRATE**
- R01HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
- SUGAR ANHYDRIDES**
- SEE CARBOHYDRATES, SUGAR ANHYDRIDES
- SUGAR NUCLEOTIDES**
- P02AM-04501-13 0019 Metabolic disease research center - Intestinal absorption of vitamin D and lipids (rats)
- R01AM-10335-09 Chemistry and biosynthesis of glycoproteins (human, swine)
- R01AM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
- ** R01AM-11661-08 Metabolic control in reactions of nucleotide sugars (cattle, chick embryo)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- ROIAM-15623-03 Polysaccharide metabolism in cystic fibrosis (human)
 ROIGM-19973-05 Biosynthesis of D-ribose and plant polysaccharides (plants)

SUGAR NUCLEOTIDES, UDPG

- ** ROIAM-13709-06 Structure and function of pyrophosphorylases (human, cattle, rabbits)
 ** ROIAM-15332-03 UDP glucose dehydrogenase (cattle, E coli)
 ** ROIGM-18405-04 0002 Regulation and mechanism of cell surface synthesis - Mechanism of sugar transformation (E coli)
 ROIGM-19649-01 Ligand binding to allosteric enzymes

SUGAR NUCLEOTIDES, URIDINE DIPHOSPHATE GLUCURONIC ACID

- ROIAA-00667-01 Effect of alcohol on glucuronide conjugation of drugs (animals)
 ROIAM-11661-08 Metabolic control in reactions of nucleotide sugars (cattle, chick embryo)

SUGAR PHOSPHATES

SEE CARBOHYDRATES, SUGAR PHOSPHATES

SUGAR SEQUENCE

SEE CARBOHYDRATES, SUGAR SEQUENCE

SUGGESTION

SEE PSYCHOLOGY, SUGGESTION

SUICIDE

SEE PSYCHOLOGY ABNORMAL, SUICIDE

SUICIDE PREVENTION REVIEW COMMITTEE

- ROICA-14104-02 Suicide and other coping behavior of cancer patients
 ** ROICA-14121-02 Interventive family therapy in dying and bereavement
 ROIMH-17367-03 Community impact of suicide prevention services
 ** ROIMH-18819-04 Precursors of suicide and other premature deaths
 ** ROIMH-18962-03 Prediction of suicide in psychiatric patients (human)
 ** ROIMH-19017-04 Computer assisted drug analysis in suicide attempts
 ** ROIMH-19989-04 Classification and assessment of suicidal behaviors (human)
 ROIMH-20696-02 Self-destruction among prison inmates

SULFADIAZINE

SEE SULFANILAMIDYL PYRIMIDINES, SULFADIAZINE

SULFADIMETHOXINE

SEE SULFANILAMIDYL PYRIMIDINES, SULFADIMETHOXINE

SULFAMETHIZOLE

SEE SULFANILAMIDES, SULFAMETHIZOLE

SULFAMETHOXAZOLE

SEE SULFANILAMIDES, SULFAMETHOXAZOLE

SULFAMYLOX

SEE SULFONAMIDES, HOMOSULFANILAMIDE

SULFANILAMIDES

- ROIAM-02131-17 0007 Trace lipids in cell function - Bile acids (rats)
 PIOES-00159-09 0024 Center for study of the human environment - Pulmonary responses to experimental dust exposures (rats)
 ** P11GM-15477-08 0116 Drug metabolism and biochemical pharmacology - Placental transfer drugs-Pharmacokinetics fetal localization (ewe)
 P11GM-15956-07 0033 Factors affecting the responses to drugs - Metabolism of sulfadiazine and sulfamerazine and effect of acetate (rabbits)
 MOIRR-00030-13 0022 General clinical research center - Dysgammaglobulinemias (human)

SULFANILAMIDES, FURSEMIDE

- POIAM-09976-09 0005 Renal disease - Ion transport and metabolism (loads, rats, rabbits, human)
 ROIAM-14264-05 Cation transport in erythrocytes and the kidney (rats)
 ROIAM-14401-04 Metabolism and function of the perfused rat kidney
 ROIAM-15756-03 Biochemistry of normal and abnormal renal growth (mice)
 POIAM-17433-01 0009 Cardiovascular, metabolic aspects of membrane transport - Renal hemodynamics in renal disorders (rats)
 ROIAM-17647-01 Renal transport and interaction of organic acid drugs (rabbits)
 ** P11GM-15431-08 0028 Research center for clinical pharmacology and drug toxicology - Bioavailability and effect of furosemide (human)
 P11GM-15431-08 0032 Research center for clinical pharmacology and drug toxicology - Aldosterone secretion (human, rabbits)
 P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
 ** P11GM-15956-07 0050 Factors affecting the responses to drugs - Plasma levels of furosemide and its diuretic action

- POIHL-06835-13 0001 Cardiovascular disease - Mechanisms of hypertension (human, dogs)
 POIHL-11662-07 0002 Regulation of fluid, electrolyte and acid-base balance - Microperfusion of isolated tubules (dogs, rats, rabbits)
 ROIHL-14362-03 Acute renal failure (dogs, cats, rats, guinea pigs)
 POIHL-14780-02 0021 Mechanisms and treatment of cardiovascular diseases - Diuretics and related agents on cardiac contractility (human, cats)
 ROIHL-16201-01 Regulation of cell volume in disease states (human)
 ROIHL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
 POINS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)
 POINS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
 ** POINS-07253-06 0024 Center for clinical studies of head injuries - Traumatic cerebral edema and therapeutic agents (rats)
 MOIRR-00031-14 0035 General clinical research center - Renal vascular state and reactivity in hypertension (human)
 MOIRR-00037-14 0105 General clinical research center - Hypertension and renal function in polycystic kidney (human)
 MOIRR-00040-14 0091 General clinical research center - Diuretic effect RO-6338 vs furosemide in edema due to nephrotic syndrome (human)
 MOIRR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
 ** MOIRR-00047-14 0100 General clinical research center - Furosemide in glomerulonephritis, nephrotic syndrome, cong. heart failure
 ** MOIRR-00060-13 0043 General clinical research center - Sodium intake and furosemide administration in hypertensive azotemia (human)
 MOIRR-00060-13 0047 General clinical research center - Intravenous antihypertensive agents combined with furosemide (human)
 ** MOIRR-00133-10 0059 General clinical research center - Pharmacokinetics of furosemide (human)
 MOIRR-00305-08 0087 Clinical research center for children - Effect of furosemide on renal electrolyte transport in nephrotic edema
 ** MOIRR-00633-02 0059 General clinical research center - Effect of furosemide in postoperative oliguria (human)
 MOIRR-00633-02 0068 General clinical research center - Renin-aldosterone response to sodium depletion and ACTH in hypertension (human)
 ** MOIRR-00633-02 0069 General clinical research center - Effect of furosemide on parathyroid function (human)

SULFANILAMIDES, SAUCYLAZOSULFAPYRIDINE

- ** MOIRR-00034-14 0074 General clinical research center - Treatment of scleroderma with azulfidine (human)
 ** MOIRR-00051-13 0086 General clinical research center - National Cooperative Crohn's Disease Study (human)
 ** MOIRR-00055-13 0087 General clinical research center - Azulfidine related to hemolytic anemia (human)
 ** MOIRR-00059-13 0161 General clinical research center - Effect of azulfidine on digoxin absorption (human)

SULFANILAMIDES, SULFAMETHIZOLE

- ** ROIAM-02283-04 Metabolism of dapsone in leprosy patients
 ROIHL-09752-10 Cooperative study of renal disease and hypertension (human)

SULFANILAMIDES, SULFAMETHOXAZOLE

- MOIRR-00076-12 0059 General clinical research center - Investigation of trimethoprim-sulfamethoxazole (human)

SULFANILAMIDES, SULFANILYUREA

- ROIAM-11465-06 Endocrinology of adipose tissue (human, rats, mice)

SULFANILAMIDES, SULFISOXAZOLE

- ROIAM-06311-09 Epidemiology of E coli infections (human, rats)
 POIAI-12192-01 0005 Venereal disease research - Nongonococcal urethritis (human)
 POZAM-05577-13 0002 Clinical research unit in rheumatic diseases - Delayed hypersensitivity in vitro (guinea pigs, human)
 ** POIDE-02849-06 0015 Mechanism and treatment of periodontal disease - Gantrisin and its effectiveness against periodontal syndrome (dogs)
 P11GM-16216-06 0034 Toxicological problems of drugs (placental transfer, lactation) - Breast milk samples (human)
 ROIHD-06611-03 Therapeutic usage of drugs in infants and children
SULFANILAMIDYL PYRIMIDINES, SULFADIAZINE
 ** R26CA-14927-02 Environmental bladder carcinogens (human)
 P11GM-15477-08 0059 Drug metabolism and biochemical pharmacology - Drug-protein binding by gel filtration

- P11GM-15956-07 0001 Factors affecting the responses to drugs - Antacid effect on gastrointestinal drug absorption (rodents, human)
 P11GM-15956-07 0033 Factors affecting the responses to drugs - Metabolism of sulfadiazine and sulfamerazine and effect of acetate (rabbits)
 P11GM-15956-07 0062 Factors affecting the responses to drugs - Effects of irradiation on gastrointestinal drug absorption in mice and rats
 P11GM-15956-07 0066 Factors affecting the responses to drugs - In vivo kinetics of drug absorption from the bladder of rabbits
 POIGM-17184-05 0002 Hereditary variations in man which modify drug toxicity - Human variation in isoniazid acetylation (rabbits, human)
 ROIGM-18348-03 Mutagenic mechanisms
 ROIHD-01687-09 Pathogenesis of infection in human maldevelopment

SULFANILAMIDYL PYRIMIDINES, SULFADIMETHOXINE

- ROICA-14231-03 Role of metabolism in biliary excretion of drugs (rats)
 ROIHD-03867-05 Comparative studies in perinatal toxicology (rats, opossum)

SULFANILYUREA

SEE SULFANILAMIDES, SULFANILYUREA

SULFATASES

- ROIAM-10531-09 Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs)
 ** ROIAM-15475-03 Biochemistry of gastric sulfated glycoproteins (human, rats, dogs, swine)
 ** ROICA-15483-07 Biochemistry of mucopolysaccharides
 ** ROIGM-13863-09 Lipid metabolism (swine, primates)
 ROIGM-18642-03 Control of differential gene action and morphogenesis (neurospora)

SULFATASES, ARYLSULFATASES

- ROIAM-11028-08 Merphotochemical studies with light and electron microscopy (rodents, human)
 ROIAM-17020-02 Isolation of Hurler's corrective factor from serum (human)
 ROICA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
 POZCA-12178-04 0009 Radiotherapy-oncology center - Lysosomal enzyme levels in tumor homogenates (human)
 ROICA-15648-01 Steroid dynamics in human, endometrial cancer (human)
 NOIDE-32417-01 Localization of certain hydrolytic enzymes in periodontal ligament (rats)
 ROIGM-08995-13 Genetic control of protein synthesis (Neurospora, yeast)
 ** ROIGM-13306-09 Phosphate activation mechanisms (Aspergillus oryzae)
 ** POIGM-19443-03 0039 Problems in clinical genetics - Marotax-Lamy syndrome
 ** POIHD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
 POIHD-06576-01 0004 Molecular aspects of mental retardation - Metachromatic leukodystrophy and transferase deficiency galactosemia (human)
 P17HL-15098-03 0002 Special center of research - Environmental lung disease - Enzyme activity alteration (monkeys)
 ** ROINS-09479-03 Studies of human arylsulfatase A (normal urine)
 ** ROINS-10473-03 0001 Brain lipids in diffusa demyelinating disease - Metachromatic leukodystrophy in multiple sulfatase deficiency (human)
 ROINS-11119-01 Sphingolipid metabolism in selected human tissues (human)
 ** ROINS-11665-01 Metachromatic leukodystrophy in cultured cell systems (human, rats)

SULFATASES, STEROID SULFATASE

- ROIHD-04064-06 Role of steroid sulfates in gonadal tissue (human, sheep, rats)
 POIHD-04147-06 0020 Research in mental retardation - Metachromatic leukodystrophy associate with multiple sulfatase deficiency (human)
 ROIHD-08358-01 Mechanism of action of gonadotropins in the testis (rats, human)
 ** ROINS-10473-03 0001 Brain lipids in diffusa demyelinating disease - Metachromatic leukodystrophy in multiple sulfatase deficiency (human)

SULFATE-REDUCING BACTERIA

SEE BACTERIA, SULFATE-REDUCING BACTERIA*

SULFATES

- SEE ALSO CARBOHYDRATES, SULFOSUGARS
 SEE ALSO METALS, HEAVY METALS, COPPER SULFATE
 SEE ALSO NUCLEOSIDES(IDES) SULFATES
 SEE ALSO SODIUM SULFATES
 SEE ALSO STEROIDS SULFATES
 ROIAM-02856-16 Cystic fibrosis of the pancreas (human, dogs, cats)
 ROIAM-13020-06 Drug and hormone effects on renal transport (human, rabbits, guinea pigs)

(contd)

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- RO1AM-13055-06 Copper proteins and Cu interactions in metabolism (rats, swine)
 RO1AM-13857-04 Lithocholate and human liver disease (monkeys)
 RO1AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
 RO1AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
 RO1CA-11595-14 Regulation of cellular syntheses and activities (bacteria, animal cells)
 ** RO1DE-03796-03 Statolith differentiation in Aurelia (jellyfish)
 RO1ES-01108-01 Effects of SO₂ and respirable particulates on health
 P11GM-12675-10 0009 Biochemical toxicology and pharmacology - Enterohepatic circulation-Acetaminophen glucuronide and sulfate (rats, human)
 PO1GM-16492-06 0014 Design of chemotherapeutic agents - Mass spectrometry-Urinary conjugates of cholecalciferol and dihydrotachysterol
 RO1GM-18642-03 Control of differential gene action and morphogenesis (neurospora)
 RO1GM-19227-03 Determination of steroids in blood (human)
 P17HL-15063-03 0001 SCOR diffuse infiltrate lung disease - Chronic interstitial pneumonia (human, dogs)
 PO1NS-09199-04 0010 Effect of L-dopa on synthesis of amines in brain (human, animals) - Synthesis and degradation of catechol sulfate (human, rats)
 RO1OH-00340-05 0006 Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
- SULFATES, SULFURIC ESTERS**
 SEE ALSO SULFONATES
 SEE ALSO SULFONES
 PO1AM-03564-15 0022 Mesenchymal tissues and their diseases - Methyl 2-acetamido-3,6-anhydro-alpha-D-glucoside synthesis
 ** RO1HD-07240-05 Fetal effects of sulfoconjugation in pregnant rats
- SULFATES, THIOSULFATES**
 RO1AM-13020-06 Drug and hormone effects on renal transport (human, rabbits, guinea pigs)
 P11GM-15477-08 0125 Drug metabolism and biochemical pharmacology - L-cysteine and sodium thiosulfate effect on cyclophosphamide metabolites
- SULFATIDE LIPOIDOSIS**
 SEE METABOLIC DISORDERS INBORN, LEUKODYSTROPHIES, METACHROMATIC LEUCOENCEPHALOPATHY
- SULFATIDES**
 SEE GLYCOSPHINGOLIPIDS, CEREBROSIDES SULFATES
- SULFATING ENZYMES**
 SEE ALSO TRANSULFURASES
 RO1ES-00833-02 Biochemical studies on CNS teratogenesis by mercury (rats)
 RO1GM-17170-04 EPR and x-ray studies of electron-transfer enzymes (rats, guinea pigs)
 RO1GM-17773-04 Membrane formation in cytodifferentiation (rat pancreas)
 ** P17HL-14138-04 0012 Center for research on atherosclerosis - Sulfate incorporation into glycosaminoglycan fraction of pig aorta
- SULFATION**
 ** RO1AM-15475-03 Biochemistry of gastric sulfated glycoproteins (human, rats, dogs, swine)
 RO1AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
 ** RO1AM-16457-01 Purification and biochemistry of sulfation factor
 RO1AM-17742-01 Role of glycoproteins in pancreatic secretion (rats, dogs)
 PO2CA-07177-11 0006 Clinical cancer research center - Steroid and estrogen sulfotransferase activities in breast tumors (human)
 PO2CA-07177-11 0008 Clinical cancer research center - Steroid metabolism in normal and malignant target tissues (swine, human)
 PO1CA-12227-04 0009 Core program in carcinogenesis - Sequential metabolic activation in carcinogenesis by aromatic amines and amides
 RO1CA-13645-02 Sulfotransferases in normal and cancerous tissues (human, cattle)
 RO1CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
 RO1ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
 RO1EY-01119-02 Pathogenesis of primary open angle glaucoma (human, mammals, nonhuman)
 RO1GM-10374-12 Chemistry of human glycoproteins and proteins
 RO1GM-19247-03 Biochemical basis for establishment of cell polarity (algae)
 RO1HD-04392-04 Effects of aging on steroid metabolism in man
 RO1HD-07240-05 Fetal effects of sulfoconjugation in pregnant rats
 RO1HL-13399-12 Heme protein structure and function (human, bacteria, sea cucumbers)
- MO1RR-00063-12 0013 General clinical research center - Degradation of sulfated mucopolysaccharides in mucopolysaccharidosis (human)
- SULFATION FACTOR**
 SEE GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR)(THYMIDINE FACTOR)
- SULFENIC ACIDS**
 ** RO1GM-16974-05 Sulfenic acids as enzyme functional group (pseudomonas)
- SULFHEMOGLOBINEMIA**
 SEE HEMOPROTEINS, SULFHEMOGLOBINEMIA
- SULFHYDRYLS**
 SEE ALSO THIOLS
 RO1AA-00663-01 Sulfhydryl amino acids on ethanol metabolism (animals)
 RO1AI-10263-01 Structure and physiological function of malic enzymes (helminths)
 ** RO1AM-02831-22 Sulfhydryl groups and properties of hemoglobin (human, ungulates, dogs)
 ** RO1AM-06482-12 Distortion of disulfide bridges in enzymes (plants)
 RO1AM-08432-09 Mechanism of induced renal disease (mammals)
 PO1AM-09001-10 0035 Biochemistry and immunology of blood diseases - Human muscle phosphorylase (and rabbit)
 ** RO1AM-09059-11 Physiology of pancreatic islets and action of aloxan (toadfish)
 RO1AM-10370-09 Metabolic abnormalities in rheumatoid arthritis
 RO1AM-10551-09 Analysis of cellular calcium compartments in muscle (rabbits)
 RO1AM-10742-08 Models for enzymic phosphorylation and hydrolysis
 RO1AM-13390-07 Mechanism of fatty acid synthesis in animals (chickens, pigeons)
 RO1AM-14982-04 Studies in molecular hematology (animals)
 RO1AM-16729-01 Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs)
 RO1AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)
 RO1AM-17552-02 Effect of coenzymes on enzyme structure and function (swine)
 RO1CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
 PO1CA-06927-12 0022 Biological and biochemical program in cancer research - Nature and properties of aminopeptidases and dipeptidases (rabbits, mice)
 ** RO1CA-08723-06 Polarographic kinetic protein waves (bovine serum)
 RO1CA-12053-03 The mechanism of action of SH activated cathepsins
 RO1CA-12842-03 Mechanisms of action of thymidylate synthetase (bacteria)
 RO1CA-13014-03 Proteins of plasma cell cancers (human, rats, mice)
 PO1CA-13330-03 0036 Cancer research program - Mechanism and regulation of gene transcription (bacteria)
 RO1CA-13747-02 Modification of x-ray response of anoxic-hypoxic cells (hamster)
 RO1CA-13752-02 Iodoacetate-immunotherapy of lymphoid leukemia (mice)
 RO1CA-14609-02 Adhesion of normal and malignant mammalian cells (hamsters)
 RO1CA-15997-01 Spin-labeling receptors on normal and malignant cells
 PO1ES-00049-10 0021 Mode of action and metabolism of organic toxicants - Arylthioureas-Metabolism and mode of action (mice, Drosophila)
 RO1ES-00223-09 Comparative toxicology of certain pesticides (mice, human, algae, bacteria)
 PO1ES-00226-08 0001 Comparative environmental toxicology - Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human)
 PO1ES-00226-08 0002 Comparative environmental toxicology - Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit)
 RO1ES-00885-01 Effect of insecticides on cation transport and ATPase (human, animals)
 RO1EY-00173-07 Monomolecular films to study visual processes (models, cattle)
 RO1EY-00413-06 Related molecular and physiological events in vision (Drosophila)
 RO1EY-00479-07 Photochemical aspects of visual processes (rats, frogs)
 RO1EY-00729-04 Molecular basis of membrane excitation (model system, cattle)
 RO1EY-00943-03 The role of calcium in visual excitation (cattle)
 RO1EY-01193-02 Primary structural studies of visual pigments (cattle)
 RO1EY-01275-01 Rhodopsin structure and function (cattle)
 RO1GM-11788-11 Mechanisms of catalysis and allosteric control (E coli)
 RO1GM-16856-05 Nucleophilic reactions of DPN and its analogs
 RO1GM-16974-05 Sulfenic acids as enzyme functional group (pseudomonas)
- PO1GM-18715-02 0001 Biochemical effects and chemical reactions of drugs - Effects of drugs on pH (Ehrlich ascites tumor cells)
 PO1GM-18715-02 0008 Biochemical effects and chemical reactions of drugs - Efficient trapping agent for the sulfhydryl group of a penicillenic acid
 PO1GM-18715-02 0009 Biochemical effects and chemical reactions of drugs - Semi-synthetic penicillins
 ** RO1GM-18927-03 DNA base damage induced by gamma radiation (Escherichia coli)
 RO1GM-19036-06 Regulation of oxidation reactions (pseudomonas)
 RO1GM-19269-03 Membrane interactions in energy-linked reactions (bacteria)
 RO1GM-19807-02 0012 Membrane permeability as a regulatory element - Respiratory development and depression (plants)
 RO1GM-21726-01 Molecular structure of a soluble monooxygenase (nematodes rats)
 NO1HB-12252-03 Improve methods of platelet preservation (human)
 ** RO1HD-02370-08 Erythrocyte membrane sulfhydryls and Rh activity (human)
 RO1HD-05316-04 Proteins of mammalian sperm/atozoa (rats, rabbits, human)
 RO1HL-09544-09 Biochemistry of contractile proteins (animals)
 RO1HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
 RO1HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
 RO1HL-12787-05 Surface properties of blood elements (human)
 PO1HL-14810-03 0001 Cornell thrombosis research center - Biochemical characterization of the human platelet membrane
 ** P17HL-15098-03 0001 Special center of research - Environmental lung disease - Sulfhydryl bond alteration (monkeys)
 RO1HL-15615-02 Structure function of blood clotting protein (human, baboons, monkeys)
 RO1HL-15692-02 Control of force development in heart and muscle (frogs)
 ** PO1HM-16674-06 0036 A program of psychiatry-oriented biological research - Effect of sulfhydryl protecting agents on memory consolidation in mice
 RO1HS-03304-13 0002 Proteins in excitable membranes - Acetylcholine receptor in isolated soluble form (electric eel)
 RO1HS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
 ** PO1HS-07464-07 0016 Laboratory of neurobiology - SH reagents and sensitivity of the cholinergic end-plate receptors
 PO1HS-07464-07 0020 Laboratory of neurobiology - Oscillatory electrical activity induction by N-ethylmaleimide
 PO1HS-11766-01 0006 Clinical research center for neuromuscular disease - Acetylcholine receptor in isolated form (electric eel, rats, rabbits, human)
 MO1RR-00095-14 0014 General clinical research center - Cellular defects in paroxysmal nocturnal hemoglobinuria (human)
- SULFHYDRYLS INHIBITORS**
 RO1HL-13029-05 Metabolic regulation of sugar transport (pigeons)
- SULFIDES**
 RO1AM-12828-06 Regulation of cysteine biosynthesis in S typhimurium
 ** RO1GM-21159-01 Vinyl sulfides in organic synthesis
- SULFIDES, DISULFIDE BONDS**
 RO1AI-08054-07 Variations in antibody affinity (rabbits, buffaloes)
 RO1AI-09738-04 Secretory immunoglobulin (human, rabbits)
 RO1AI-10115-04 Conformation and structural dynamics of antibodies (rabbits)
 RO1AI-10551-03 Structural studies of immunoglobulin M (human)
 PO1AM-03555-15 0001 Coordinated studies in rheumatic diseases - Structure of immunoglobulin M (human, fish, amphibians)
 RO1AM-04256-14 Energy transfer in biological systems (virus, rats, human)
 ** RO1AM-05821-12 Chemistry of maturation of collagen (rats)
 ** RO1AM-06482-12 Distortion of disulfide bridges in enzymes (plants)
 RO1AM-09801-09 The chemistry of luteinizing hormones (human, swine, sheep)
 RO1AM-10273-08 Chorionic gonadotropin (human, sheep, rats)
 RO1AM-11248-08 Structure of connective tissue proteins (human, mammals)
 RO1AM-13587-04 Structure activity of human thyrocalcitonin
 RO1AM-13748-06 Molecular development of collagen fibers (chicks, mice, hamsters)
 RO1AM-15112-04 The structure of basement membranes
 ** P17AM-17026-01 0010 Vanderbilt University Diabetes-Endocrinology Center - Disulfide chemistry

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ROICA-02290-21 Purification and chemistry of protein hormones (human, animals)
 ROIDE-02103-10 0018 Inductive substrates for tooth and bone formation - Isolation of components of bone morphogenic systems (animals, human)
 ROIES-00613-03 Distribution and fate of inhaled sulfur dioxide (mammals)
 ROIFD-00632-09 Transfer mechanisms in biological materials
 ROIFD-00712-01 Structure-toxicity relationship of botulinum toxins
 ** ROIGM-07966-14 Chemistry of unsymmetrical aliphatic disulfides
 ROIGM-14603-08 Structure and interactions of proteins in solution
 ROIGM-18814-03 Kinetics and mechanisms of protein self-assembly (children, cattle)
 ** ROIGM-19948-05 Isocitrate dehydrogenase structure and activity (bacteria)
 ROIHD-05316-04 Proteins of mammalian sperm/atozoa (rats, rabbits, human)
 ROIHL-04366-16 Plasminogen-Activation and structure-function relations (mammals, birds)
 ** ROIHL-07379-09 Structure of fibrinogen (human)
 P17HL-15098-03 0001 Special center of research-Environmental lung disease - Sulfhydryl bond alteration (monkeys)
 ROIHL-15535-02 Structure and function of human plasmin
 ROIHL-16150-01 Primary structure of prothrombin (cattle, human)

SULFIDES, DISULFIDES

- SEE ALSO AMINO SULFIDES, CYSTAMINE
 ROIAM-09313-09 Pyridine nucleotide-disulfide oxidoreductases (bacteria, yeast, swine)
 ROIAM-11661-08 Metabolic control in reactions of nucleotide sugars (cattle, chick embryo)
 ROIAM-16412-01 Bioinorganic and medical aspects of CU-cystinates
 ROICA-08723-06 Polarographic kinetic protein waves (bovine serum)
 ** P10ES-00928-01 0021 Environmental agents-Relation to human health effects - Carbon disulfide-Relation to coronary disease and atherosclerosis (human)
 P11GM-12675-10 0013 Biochemical toxicology and pharmacology - Diminished hepatic excretory capacity induced by drugs (rodents, miniature pigs)
 P11GM-12675-10 0053 Biochemical toxicology and pharmacology - Hepatotoxicity of various agents in fetus, newborn and adult animals (rats, mice)
 ROIGM-17850-05 Optical properties of biological macromolecules
 ** ROIGM-18813-03 Crystallography of organic disulfide-metal complexes
 ROIHL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
 ROIHL-14972-20 Configurational changes in protein molecules (cattle)

SULFIDES, HYDROGEN SULFIDE

- ROIGM-18348-03 Mutagenic mechanisms
 ** ROIHL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)

SULFIDES, THIOETHERS

- SEE ALSO SULFUR MUSTARDS
 ** ROIAM-15172-10 Alkoxy and allyloxy glyceryl ethers and derivatives (human, rats, mice)
 ROIAM-16412-01 Bioinorganic and medical aspects of CU-cystinate
 P10ES-00267-07 0007 Center for environmental toxicology - Chelating agents for heavy metals (mice)
 ROIGM-20424-01 Macrocyclic ligand kinetics-polythiaether complexes (in vitro, in vivo)
 ** ROIHL-16200-01 Aldehydogenic lipids and thioethers in human heart

SULFINAMIDES

- ROICA-13201-03 Potential carcinostatic sulfinyl derivatives
 ROIGM-06635-14 Characterization and specificity of enzyme systems
 ** POIGM-16934-06 0004 Sulfonamides and carbonic anhydrase-Basis for therapy - Liver carbonic anhydrase (rats)
 ** POIGM-16934-06 0009 Sulfonamides and carbonic anhydrase-Basis for therapy - Sulfones and sulfonamides-Folate synthetase enzymes

SULFINATES

- ROIHL-10519-03 Penicillin biosynthesis and related peptide chemistry (fungi)

SULFINES

SEE SULFONIUM COMPOUNDS

SULFINIC ESTERS

SEE SULFINATES
 SEE SULFONES

SULFINPYRAZONE

SEE PYRAZOLIDINEDIONES, SULFINPYRAZONE

SULFISOXAZOLE

SEE SULFANILAMIDES, SULFISOXAZOLE

SULFITE REDUCTASE

SEE OXIDOREDUCTASES, SULFITE REDUCTASE

SULFITES

- ROIHL-04672-11 Sulfate reducing bacteria
 ROICA-13968-02 Electrosteriochemical properties of cyclic carcinostats
 ** P10ES-00260-12 0018 Research in the environmental health sciences - S-sulfonate in plasma (human, primates, rabbits, rodents)
 ROIES-00613-03 Distribution and fate of inhaled sulfur dioxide (mammals)
 ROIGM-08347-14 Function of molybdenum in biological systems

SULFITES, BISULFITES

- P10ES-00260-12 0007 Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
 ROIES-00320-07 Quantitative genetic study of environmental mutagen (Drosophila, hamsters)
 ** ROIES-01033-03 Damage to nucleic acids by bisulfite-Sulfur dioxide (E coli, rats, rabbits)
 ROIGM-18348-03 Mutagenic mechanisms

SULFOARYLS

SEE ALSO PHENOTHIAZINES

SEE ALSO THIAZOLIDINES

SEE ALSO THIAZOLES

SEE ALSO THIAMINE

SEE ALSO THIOPHENES

SEE ALSO THIOXANTHONES

SEE ALSO VITAMIN B, LIPOIC ACID

ROICA-13963-02 Synthetic and physical studies of anticancer agents

SULFOBROMPHTHALEIN

SEE BENZOFURANONES, PHTHALIDES, BROMSULPHTHALEIN

SULFOLIPIDS

- SEE ALSO GLYCOSPHINGOLIPIDS, CEREBROSIDES SULFATES
 R22A-08401-07 Surface chemistry of mycobacteria (mice)
 POIHD-04583-06 0016 Mental retardation research center - Biochemistry of sphingolipidoses (human, mice, rats)
 ** ROINS-06370-08 Chemistry of glycolipids (frogs, human, rats)

SULFOMUCOPOLYSACCHARIDES

SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, SULFOMUCOPOLYSACCHARIDES

SULFONAMIDES

- SEE ALSO BENZODIAZINES, QUINAZOLINES, METOLAZONE
 SEE ALSO SULFANILAMIDES
 SEE ALSO SULFONYLUREA
 SEE ALSO THIOXANTHONES, THIOXENE
 ** ROIHL-03170-15 Deoxyribonucleates determining drug resistance (bacteria)
 POIHL-12192-01 0005 Veneral disease research - Nongonococcal urethritis (human)
 ROIAM-09221-10 Physico-chemical studies of enzymic hydration (human, cattle, plants)
 ROIAM-16960-01 Drug distribution-Renal parenchyma, loop of henle
 P17AM-17702-01 0011 Hepatitis cirrhosis center - Hepatic disposition of drugs and other xenobiotics (rats)
 ROIEY-00718-04 Ocular carbonic anhydrase (toads, rabbits)
 ROIGM-12672-07 The chemistry of N-sulfonyl amines
 ** POIGM-16496-06 0005 Clinical pharmacology-Pharmacokinetics - Drugs interaction-Tolbutamide (human, rabbits, sheep)
 POIGM-16496-06 0019 Clinical pharmacology-Pharmacokinetics - Saliva studies in uremic subjects
 M POIGM-16934-06 Sulfonamides and carbonic anhydrase-Basis for therapy
 ** POIGM-17806-05 0018 Nutritional factor effects on drug action - Species and anionic drugs influence on sulfonamide-albumin interactions
 ROIGM-18756-03 New synthetic and analytical methods for peptides
 ROIHD-03783-06 0002 Pathogenesis of neonatal physiologic jaundice - Plasma protein binding of bilirubin and hemicterus (monkeys, rats)
 POIHD-04665-04 0006 Metabolic abnormalities in mental retardation - Pathogenesis and prevention of hemicterus (human, mammals nonhuman)
 MOIRR-00064-10 0035 General clinical research center - Drug-induced hepato-toxicity (human)

SULFONAMIDES, ACETAZOLAMIDE

- ROIAM-02290-15 Source and significance of gastric juice potassium (human, dogs)
 POIAM-14877-14 0023 Kidney function in infants and children - Nature of acidifying defect in renal tubular acidosis (dogs)
 ROIAM-14915-04 Aldosterone stimulation of sodium transport (anurans, rats)
 ROIAM-15564-03 0007 Secretion and hormonal integration of exocrine organs - Cation permeability in vitro (frogs)
 ROIAM-15883-03 Effect of acid-base changes on renal K transport (frogs)

- ROIAM-15889-03 Tubular control of acid-base balance (dogs)
 ROIES-00697-03 Teratogenic effects of heavy metals (hamsters, mice)
 ** ROIEY-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
 ROIEY-00475-08 Studies on the nutrition of the eye (primates)
 ROIEY-00681-04 Fine structure of oxygen elevating tissues of eye (fish)
 ROIEY-00718-04 Ocular carbonic anhydrase (toads, rabbits)
 ROIGM-05919-16 0017 Enzymatic activities of mitochondria - Mitochondrial transport of CO2 and the role of carbonic anhydrase (rats)
 ROIGM-11598-11 Drug effects on salute transport across epithelia (frogs, hamsters)
 P11GM-16216-06 0002 Toxicological problems of drugs (placental transfer, lactation) - Anticonvulsant drugs (human)
 POIGM-16934-06 0004 Sulfonamides and carbonic anhydrase-Basis for therapy - Liver carbonic anhydrase (rats)
 ** POIGM-16934-06 0008 Sulfonamides and carbonic anhydrase-Basis for therapy - Acetazolamide in familial periodic paralysis (dogs, cats, human)
 POIGM-16934-06 0010 Sulfonamides and carbonic anhydrase-Basis for therapy - Benzolamide induction of metabolic acidosis for cardiac disease (dogs)
 POIGM-16934-06 0013 Sulfonamides and carbonic anhydrase-Basis for therapy - Respiratory effects and carbonic anhydrase inhibition (human)
 POIGM-16934-06 0014 Sulfonamides and carbonic anhydrase-Basis for therapy - Salicylate intoxication-Treatment by benzolamide (mice)
 POIGM-16934-06 0017 Sulfonamides and carbonic anhydrase-Basis for therapy - Synergism of acetazolamide and theophylline on excretion of electrolytes (human)
 POIGM-16934-06 0018 Sulfonamides and carbonic anhydrase-Basis for therapy - Teratogenesis induced by carbonic anhydrase inhibitors (rats)
 ROIHD-05914-02 Blastocyst expansion (rabbits)
 POIHD-06276-03 0053 Mental retardation research program - CSF dynamics in hydrocephalus (human)
 ROIHD-08124-01 Blood substitute and circulation (sheep)
 ROIHL-00340-25 Electrolyte disturbance in cardio-renal disease (human, dogs, rats)
 ROIHL-00759-24 Regulation of electrolyte and acid base equilibrium (human, dogs)
 POIHL-06285-14 0165 Cardiovascular-respiratory physiology and biochemistry - Diffusing capacity of the lungs for oxygen (human)
 ROIHL-14102-03 Physiology at 17,500 feet in mountain environment (human, rats)
 POIHL-15194-02 0007 Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Speed of bicarbonate-chloride shift (human)
 POIMH-13002-06 0037 Clinical and laboratory studies of affective disorder - Energy metabolism and induced convulsions (mice, monkeys)
 ROINS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
 POINS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)
 POINS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (drugs, rats)
 POINS-04553-10 0004 Neuropharmacology and neurochemistry program research - Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice)
 ROINS-10366-03 Mechanism of formation of cerebral cortical edema (primates)
 ROINS-10799-01 Cerebral cortical edema in arteriovascular stroke (primates)
 POINS-10828-01 0003 An interdepartmental stroke program - Cerebral hemodynamics using an animal model (cats, monkeys)
 ROINS-11696-01 Transfer of X-ray contrast media into the CSF (rabbits, dogs)
 ** MOIRR-00082-12 0101 General clinical research center - Addendum to hyper-hypo-kalemic periodic paralysis study
 MOIRR-00128-10 0072 General clinical research center for children - CSF dynamics in hydrocephalus
 MOIRR-00229-09 0003 General clinical research center - Hypo- and hyperkalemic periodic paralysis (human)

SULFONAMIDES, CHLOROTHIAZIDE

- PO2AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
 POIAM-14877-14 0023 Kidney function in infants and children - Nature of acidifying defect in renal tubular acidosis (dogs)
 ROIAM-16061-03 Theoretical and therapeutic aspects of calcification (human)
 ROIAM-17234-01 Effects of lithium on renal function (human, rats)
 POIAM-17433-01 0008 Cardiovascular, metabolic aspects of membrane transport - Effects of lithium on renal function (rats, human)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-17642-01 Correlation of sodium and calcium transport in renal tubules (rats)
- ** R26CA-14927-02 Environmental bladder carcinogens (human)
- P11GM-15431-08 0034 Research center for clinical pharmacology and drug toxicology - Reserpine and guanethidine in mild to moderate hypertension (human)
- ** P11GM-15956-07 0028 Factors affecting the responses to drugs - Effect of colestipol on GI absorption of chlorothiazide (human)
- R01HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- R01HL-10711-08 Cooperative study of treatment of hypertension (human)
- R01HL-10712-08 Cooperative study of treatment of hypertension (human)
- R01HL-10713-08 Cooperative study of treatment of hypertension (human)
- R01HL-10715-08 Cooperative study of treatment of hypertension (human)
- R01HL-10716-08 Cooperative study of treatment of hypertension (human)
- R01HL-10717-08 Cooperative study of treatment of hypertension (human)
- R01HL-12827-05 Regulation of sodium excretion (dogs, rats)
- R01HL-13913-06 Experimental model for hereditary hydronephrosis (rats)
- P17HL-14141-04 0002 SCOR for atherosclerosis in childhood - Intrauterine environment of proband group (human)
- P17HL-14192-04 0001 Specialized center of research in hypertension - Drug and operative treatment of renovascular hypertension (human)
- P17HL-14192-04 0005 Specialized center of research in hypertension - Recognition and management of the syndrome of low renin essential hypertension
- P01HL-14388-03 0016 Regulation of the circulation in pathological states - Heparin in treatment of malignant hypertension (rats)
- R01HL-14460-03 Atherosclerosis studies in vivo and in cell culture (monkeys)
- R01HL-16334-02 Drugs affecting adrenergic circulatory mechanisms (human, dogs)
- R01NS-01447-17 Pharmacology of neuromuscular function and nerve endings (cats)
- R01NS-03464-11 Defect in myasthenia and other neuromuscular diseases (human, mammals)
- R01NS-08796-06 Pharmacologic analysis of transmission in ganglia (frogs)
- ** M01RR-00031-14 0038 General clinical research center - Effect of thiazide diuretic on magnesium excretion (human)
- ** M01RR-00036-14 0112 General clinical research center - Thiazide effects on calcium homeostasis in hypercalcemia (human)
- M01RR-00043-14 0062 General clinical research center - Role of cyclic AMP in water excretion (human)
- M01RR-00051-13 0051 General clinical research center - Therapeutic efficacy of minoxidil (human)
- ** M01RR-00051-13 0074 General clinical research center - Effect of thiazide on calcium metabolism (human)
- M01RR-00059-13 0166 General clinical research center - Diuretic drugs in treatment of hypertension (human)
- ** M01RR-00060-13 0025 General clinical research center - Effects of thiazides on hypocalcemia and hypercalcemia (human)
- M01RR-00062-12 0030 Clinical research center, children - Pressor mechanisms in hypertension
- ** M01RR-00082-12 0099 General clinical research center - Digoxin blood levels and excretion with hydrochlorothiazide (human)
- M01RR-00095-14 0003 General clinical research center - Clinical hyperadrenocorticism (human)
- M01RR-00095-14 0057 General clinical research center - Antihypertensive therapy in suppressed renin hypertension (human)
- M01RR-00305-08 0089 Clinical research center for children - The Fanconi syndrome, including cystinosis
- M01RR-00334-08 0006 General clinical research center - Third factor in congestive heart failure with edema (human)
- ** M01RR-00828-01 0017 General clinical research center - Effect of colestipol on GI absorption of chlorothiazide
- M01RR-00828-01 0019 General clinical research center - Effect of anticholinergic and antacid drugs on absorption of oral drugs (human)
- M01RR-00865-01 0031 General clinical research center - Idiopathic hypercalcemia (human)
- SULFONAMIDES, HOMOSULFANILAMIDE**
- M01RR-00322-08 0001 General clinical research center - Evaluation of laminar air flow in treatment of thermal injury (human)
- SULFONAMIDES, PHENYLSULFONAMIDES**
- SEE ALSO SULFANILAMIDES
- SEE ALSO SULFONAMIDES, HOMOSULFANILAMIDE
- SEE ALSO SULFONAMIDES, PROBENECID
- SEE ALSO SULFONAMIDES, SOTALOL
- SEE ALSO SULFONYLUREA, CHLORPROPAMIDE
- SEE ALSO SULFONYLUREA, TOLBUTAMIDE
- ** R01HL-14487-01 Hypertension in the young inner city female
- SULFONAMIDES, PHENYLSULFONAMIDES, CHLORTHALIDONE**
- P01GM-15419-07 0006 Cellular and biochemical genetics - Evolution of carbonic anhydrase (human and nonhuman)
- SULFONAMIDES, PROBENECID**
- R01AM-00162-23 Purine metabolism and gouty arthritis (human, dogs)
- R01AM-14145-05 Pharmacology of renal tubular excretory transport (chicken)
- R01AM-14513-04 Biliary excretion in neonatal toxicology (rats)
- P01GM-09069-12 0058 Research in anesthesiology - Obstetric anesthesia and fetal pharmacology (guinea pigs)
- ** P01GM-09069-12 0079 Research in anesthesiology - Probenecid on amine metabolites in cerebrospinal fluid (dogs)
- P01GM-09069-12 0090 Research in anesthesiology - Turnover of biogenic amines in central nervous system (human)
- R01GM-10848-17 NMR spectroscopy of biologically important compounds (human)
- ** P11GM-14270-08 0029 Human drug metabolism and toxicology - Probenecid (dogs)
- P11GM-14270-08 0030 Human drug metabolism and toxicology - Triamterene (human, monkeys)
- P11GM-15431-08 0028 Research center for clinical pharmacology and drug toxicology - Bioavailability and effect of furosemide (human)
- P11GM-15759-08 0031 Clinical pharmacology in rheumatic and muscular diseases - Oonate inhibition of uricase in rats - Experimental model for gouty nephropathy
- ** P11GM-16216-06 0005 Toxicological problems of drugs (placental transfer, lactation) - Uricosuric agents (human)
- P01GM-16496-06 0049 Clinical pharmacology - Pharmacokinetics - Dose dependent kinetics - Probenecid (monkeys, dogs)
- R01GM-16503-06 Alteration in drug metabolism by certain carbamates (chickens, rabbits, human)
- R01HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- P01MH-21586-02 Biogenetic studies of the affective disorders
- P01NS-04553-10 0002 Neuropharmacology and neurochemistry program research - Pharmacology, physiology and biochemistry of the CNS (dogs, rats)
- ** P01NS-06208-09 0025 Epilepsy research program - Brain monoamine turnover (children)
- P01NS-09199-04 0003 Effect of L-dopa on synthesis of amines in brain (human, animals) - Catecholamines metabolism in Parkinsons (human)
- P01NS-09649-04 0010 Research in parkinsonism - Amine metabolites in cerebrospinal fluid (human, cats)
- ** M01RR-00039-14 0043 General clinical research center - Allopurinol and probenecid (human)
- M01RR-00071-11 0004 General clinical research center - Purine metabolism and gouty arthritis (human)
- M01RR-00318-08 0071 General clinical research center - Renal handling of uric acid in health and disease (human)
- ** M01RR-00645-03 0053 Clinical research center - Effect of centrally-acting drugs on turnover rate of biogenic amines (human)
- SULFONAMIDES, SOTALOL**
- R01AA-00190-02 Beta-adrenergic blockade in alcoholism treatment (human)
- R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- SULFONAMIDES, SULTHIAMINE**
- ** P11GM-15477-08 0090 Drug metabolism and biochemical pharmacology - Interaction of sulthiamine and diphenhydantoin (dogs)
- ** P11GM-15477-08 0095 Drug metabolism and biochemical pharmacology - Gas chromatographic analysis of sulthiamine (dogs)
- ** M01NS-02281-06 Carbamazepine in the treatment of epilepsy (human)
- P01NS-04053-12 0013 Epilepsy - Physiological studies in the human
- P01NS-04053-12 0015 Epilepsy - Seizure clinic - Social service
- R01NS-09835-03 Neuropharmacologic studies in experimental epilepsy (cats, rats, mice, monkeys)
- SULFONATES**
- SEE ALSO PHENYLALKYLAMINES, BENZYLAMINES, BRETILUM TOSYLATE
- SEE ALSO SULFATES, SULFURIC ESTERS
- R01AM-10588-09 Synthesis of compound saccharides
- R01AM-16155-03 Thyroid gland physiology in health and disease (human)
- R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- P10ES-00260-12 0018 Research in the environmental health sciences - S-sulfonate in plasma (human, primates, rabbits, rodents)
- ** R01ES-00613-03 Distribution and fate of inhaled sulfur dioxide (mammals)
- R01GM-12307-10 Specific counterion binding by polyelectrolytes
- R01HD-06282-03 Macromolecular interactions during nuclear differentiation (animals)
- P01HL-06308-14 0008 Mechanisms and therapy of circulatory disease - Mechanism of uncoupling
- SULFONATES, BUSULFAN**
- R01AM-07239-11 Studies on erythropoietin (human, mice)
- R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
- R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
- R10CA-10456-07 Acute leukemia group B operations office
- P02CA-13053-03 0063 Clinical cancer radiation therapy research center - Repopulation of stem cells following chemotherapy (mice)
- R01CA-13201-03 Potential carcinostatic sulfanyl derivatives
- R01CA-13312-02 Field ion mass spectrometry applied to cancer therapy (rats)
- P11GM-15956-07 0029 Factors affecting the responses to drugs - Blood pressure response to norepinephrine in patients with malignancy (also rats)
- P11GM-15956-07 0047 Factors affecting the responses to drugs - Effect of malignancy on antipyrine metabolism in man
- M01RR-00063-12 0085 General clinical research center - Total therapy of chronic granulocytic leukemia (human)
- SULFONATES, METHANE SULFONATES (GENERAL)**
- SEE ALSO TROPANES, BENZTROPINE (MESYLATE)
- R01CA-12218-04 Pathogenesis of liver cancer (rats, guinea pigs)
- R01CA-12316-04 Alkylation of polynucleotides in vitro and in vivo
- R01CA-13199-03 Synthesis and reactions of alkylating agents
- ** R01CA-16903-01 Vinyl trifluoromethanesulfonate chemistry
- ** R01ES-00320-07 Quantitative genetic study of environmental mutagen (Drosophila, hamsters)
- P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
- R01NS-09074-05 Generation of neuronal output patterns (crickets)
- SULFONATES, TRIMETHAPHAN**
- CAMPORSULFONATE**
- P01GM-09069-12 0075 Research in anesthesiology - Distribution of cardiac output during anesthesia and induced hypertension (dogs)
- R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
- M01RR-00096-14 0017 Clinical research center - The kidney in hypertension (human)
- SULFONES**
- SEE ALSO SULFATES, SULFURIC ESTERS
- R01CA-04536-16 Organic sulfur chemistry and cancer chemotherapy
- R01CA-08250-10 Heterocyclic organosulfur chemistry
- ** P01GM-16934-06 0009 Sulfonamides and carbonic anhydrase-Basis for therapy - Sulfones and sulfonamides-Folate synthetase enzymes
- R01HL-16154-01 Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human)
- SULFONES, DAPSONE**
- ** M01A-02283-04 Metabolism of dapsone in leprosy patients
- R22A-07801-08 Pharmacology and biology of experimental leprosy (human, mice)
- ** R22A-08214-07 Antileprosy drugs in animals and man
- R22A-08417-06 Cultivation of *M. leprae* in tissue culture (rats)
- ** R22A-10927-01 Metabolism of DDS by the armadillo
- ** P11GM-14270-08 0042 Human drug metabolism and toxicology - Antimalarials-Dapsone and its metabolites (rats, mice, dogs)
- SULFONYLUREA COMPOUNDS**
- SEE ALSO NUCLEOSIDYL AMINO ACIDS, S-NUCLEOSIDYL AMINO ACIDS (GENERAL)
- SEE ALSO PURINE NUCLEOSIDES, ADENINE NUCLEOSIDES, ADENOSYLSULFONIUM
- R01A-11607-01 Synthesis of macrocyclic lactones
- ** R01GM-10317-12 Biochemistry of sulfonium compounds (bacteria)
- R01HL-15104-03 A mechanism for oxidative phosphorylation
- R01MH-18038-05 Mechanistic study of biological transmethylation
- 4,4'-SULFONYLDIANILINE**
- SEE SULFONES, DAPSONE
- SULFONYLUREA**
- R01AM-12763-05 Insulin release in diabetes (human, cattle)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
 P17AM-17026-01 0013 Vanderbilt University Diabetes-Endocrinology Center - Effectiveness of oral hypoglycemic drugs (human)
 P17AM-17026-01 0014 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic nucleotides in vascular tissue (human)
 ** P17AM-17042-01 0003 Diabetes endocrinology research center - Sulfonylurea hypoglycemic agents action and tolerance
 P17AM-17042-01 0011 Diabetes endocrinology research center - Three forms of childhood diabetes mellitus
 R01AM-17431-01 Role of cAMP in insulin and glucagon secretion (human, mice, rats)
 P01GM-19100-03 0005 Genetics research center - Transplantable insulinoma as model of beta cells (hamsters)
 M01RR-00042-14 0009 General clinical research center - Leucine and sulfonylurea induced hypoglycemia (human)
 M01RR-00229-09 0044 General clinical research center - Antidiuretic effect of chlorpropamide (human)

SULFONYLUREA, CHLORPROPAMIDE

- R01AM-02244-16 Carbohydrate metabolism (human, dogs)
 R01AM-03858-14 Control of water and solute movement across cell
 R01AM-16175-03 Secretion of vasopressin (human, dogs)
 P17AM-17026-01 0014 Vanderbilt University Diabetes-Endocrinology Center - Role of cyclic nucleotides in vascular tissue (human)
 P01HL-06664-13 0032 Cardiopulmonary function in remediable vascular disease - Hormonal control of salt and water in cardiovascular disease (boads)
 ** M01RR-00050-13 0014 Wilson's disease - Chlorpropamide and diabetes insipidus (human)
 ** M01RR-00229-09 0014 General clinical research center - Functional capacity of the anterior pituitary (human)
 ** M01RR-00229-09 0044 General clinical research center - Antidiuretic effect of chlorpropamide (human)
 M01RR-00645-03 0036 Clinical research center - Posterior pituitary hormones (human)

SULFONYLUREA, TOLBUTAMIDE

- R01AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
 R01AM-02244-16 Carbohydrate metabolism (human, dogs)
 R01AM-04401-14 Relation of treatment to diabetic complications (human)
 R01AM-04403-14 Relation of treatment to diabetic complications (human)
 R01AM-04412-14 Relation of treatment to diabetic complications (human)
 R01AM-04495-14 Relation of treatment to diabetic complications (human)
 R01AM-05422-13 Relation of treatment to diabetic complications (human)
 R01AM-05648-14 Relation of treatment to diabetic complications (human)
 R01AM-06737-12 Relation of treatment to diabetic complications (human)
 R01AM-06739-12 Relation of treatment to diabetic complications (human)
 R01AM-06744-12 Relation of treatment to diabetic complications (human)
 R01AM-06876-12 Relation of treatment to diabetic complications (human)
 R01AM-07601-11 Relation of treatment to diabetic complications (human)
 R01AM-07854-11 Relation of treatment to diabetic complications (human)
 R01AM-09113-11 Relation of treatment to diabetic complications (human)
 R01AM-09252-10 Serum triglycerides and diabetic complications (human)
 R01AM-09748-09 Diabetes-Pathogenesis, detection, and oral agents (human)
 R01AM-11465-06 Endocrinology of adipose tissue (human, rats, mice)
 R01AM-12974-05 Factors involved in insulin homeostasis (dogs)
 R01AM-13941-05 Proinsulin secretion and biological activity (human)
 R01AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)
 R01AM-14340-05 Experimental diabetes (rats)
 R01AM-14648-04 Oral anti-diabetic drugs and cellular metabolism (rats)
 R01AM-14676-10 Oral hypoglycemic agents in asymptomatic diabetes (human)
 R01AM-15788-03 Mechanism of action of antilipolytic drugs (rats)
 ** P17AM-17026-01 0021 Vanderbilt University Diabetes-Endocrinology Center - Inotropic effect of tolbutamide in man
 P17AM-17026-01 0036 Vanderbilt University Diabetes-Endocrinology Center - Insulin inhibition of insulin secretion in normal man
 R01AM-18092-01 Action of insulin on enzymes of adipose tissue (rats)

- P02CA-15145-01 0010 Cancer center support grant - Carbohydrate metabolism and placental hormones in trophoblastic disease (human)
 P11GM-12675-10 0055 Biochemical toxicology and pharmacology - Islet cell degeneration caused by cyproheptadine and other drugs (rats, mice)
 ** P01GM-16496-06 0005 Clinical pharmacology-Pharmacokinetics - Drugs interaction-Tolbutamide (human, rabbits, sheep)
 M01GM-22010-06 Collaborative drug surveillance program (human, mammals nonhuman)
 R01HD-01269-12 Control of metabolism in tetrahymena
 R01HL-13715-04 Myocardial adenyl cyclase (human, rabbits)
 R01HL-15698-08 Factors affecting the action of anticoagulants (rats, human)
 ** M01RR-00060-13 0063 General clinical research center - Tolbutamide tolerance test (human)
 ** M01RR-00082-12 0022 General clinical research center - Chemical childhood diabetes and treatment with tolbutamide (human)
 ** M01RR-00095-14 0059 General clinical research center - Inotropic effect of oral hypoglycemic agents (human)
 M01RR-00096-14 0057 Clinical research center - Vascular disease in diabetes (human)
 ** M01RR-00287-08 0055 General clinical research center - Tolbutamide treatment for children with chemical diabetes
 M01RR-00828-01 0019 General clinical research center - Effect of anticholinergic and antacid drugs on absorption of oral drugs (human)

SULFOPOLYSACCHARIDES

SEE POLYSACCHARIDES, SULFOPOLYSACCHARIDES

SULFOSUGARS

SEE CARBOHYDRATES, SULFOSUGARS

SULFOTRANSFERASES

SEE TRANSFERRASES, SULFOTRANSFERASES

SULFOXIDES

- ** R01AI-08573-07 0005 Genetics of lambda prophage - Biotin biosynthesis
 M01RR-00082-12 0104 General clinical research center - Metabolic study of children with hyperlipidemia Type II

SULFOXIDES, DIMETHYL SULFOXIDE

- R01AM-03361-15 Organ survival under experimental conditions (dogs)
 R01AM-09136-15 Studies in cryobiology (rabbits, turtles)
 R01AM-16184-03 Effects of organ storage on renal RNA metabolism (mice)
 P01CA-02332-20 0048 Clinical and laboratory studies of normal and abnormal growth - Chemical carcinogenesis in tissue culture (rats)
 P02CA-12247-03 0029 Pediatric oncology center - Platelet preservation
 R01CA-12737-03 RNA and protein metabolism of acute leukemia cells (human)
 ** P01CA-13038-03 0056 Experimental therapeutics and cancer drug program - Oxidation of methanol and dimethyl sulfoxide by rat hepatic microsomes
 P01CA-14536-01 0041 Cancer Institute core proposal - Activation of helper activity in human neoplastic tissue
 R01CA-14668-01 Radiation protectors as adjunct to radiotherapy (rabbits)
 R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
 R01CA-15411-01 Cryopreservation of human marrow
 R01GM-08472-14 Storage of kidney by hypothermia and perfusion (dogs)
 R01GM-17913-04 New methodologies in bioanalytical chemistry
 R01HL-10981-06 Cryopreservation of cardiac muscle and whole hearts (frogs, rats)
 R01HL-11432-06 Hemodynamic factors in cardiac development (turtles, chick embryo)
 R01HL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
 P18HL-15157-03 0017 Comprehensive sickle cell disease center - Carbamylation of sickle cell hemoglobin by carbamyl phosphate (human)
 P01NS-07376-07 0008 Univ Chicago head injury center - Tissue culture experiments
 ** P01NS-07376-07 0011 Univ Chicago head injury center - Brain (balloon) compression dimethyl sulfoxide (monkeys)
 ** P01NS-07376-07 0012 Univ Chicago head injury center - Dimethyl sulfoxide spinal cord compression (dogs)
 ** P01NS-07376-07 0013 Univ Chicago head injury center - Mechanism of action of dimethyl sulfoxide
 ** P01NS-07376-07 0015 Univ Chicago head injury center - Brain and spinal cord distribution of dimethyl sulfoxide
 ** P01NS-07376-07 0020 Univ Chicago head injury center - Clinical evaluation of therapeutic methods (human)
 ** P01NS-09889-04 0002 Investigation of agents which damage the ear - Drug interaction (guinea pigs)
 P01NS-10299-03 0027 Biophysical and biochemical studies of cellular membranes - The survival of frozen rabbit embryos
 M01RR-00334-08 0012 General clinical research center - Therapy of frostbite (human)

SULFUR (COMPOUNDS) -SEE ALSO THI...

- R07AI-10050-14 0005 International center for medical research - Environmental health and other studies (human, fish, mammals)
 ** R01AI-10188-04 Properties of sulfur alkaloids (human)
 ** R01AM-11685-07 Biologically oriented organic sulfur chemistry
 R01AM-12599-06 Chemical studies with free and bound vitamin B12 (bacteria)
 R01AM-14315-06 Enzymology and metabolism of I-C and S compounds (rats, bacteria)
 R01AM-16986-02 Biochemical effects of selenium in tRNA (E. coli, yeast, animals, plants)
 R01AM-16995-01 Bonding in iron porphyrins
 ** R01CA-04536-16 Organic sulfur chemistry and cancer chemotherapy
 R01CA-08495-09 Fused heterocycles as potential anticancer agents
 R01CA-12591-03 Synthesis of new ribonucleoside 3, 5 cyclic phosphates
 P01ES-00049-10 0020 Mode of action and metabolism of organic toxicants - N-chloroallylthio fungicides-Metabolism and terminal residue (rodents)
 R01ES-00868-02 Effect low level air pollutants on human health
 ** R01GM-10366-11 Bioisosteres of biologically active indoles
 R01GM-12176-10 0002 Redox reactions by optical and EPR spectrometry - Chemical studies on iron-sulfur proteins (bacteria, plants)
 R01GM-12640-10 Asymmetric induction in synthesis and resolution
 ** R01GM-12672-07 The chemistry of N-sulfonylamines
 R01GM-12862-10 Effects of structure on biological mechanisms
 R01GM-13498-09 Metal centers in biological systems
 R01GM-13598-09 Steroids, prostaglandins-synthetic designs
 P01GM-15003-13 0012 The biological functions of metals - Spectroscopy instrumentation and methodology
 R01GM-16449-06 Iron-sulfur coordination and protein chemistry
 R01GM-16488-06 0010 Hepatic microsomal drug oxidation - Testicular cytochrome P-450 and iron-sulfur protein (mammals)
 ** R01GM-16754-06 Fine structure and composition of membranes (bacteria)
 R01GM-18528-13 Molecular basis for function of bacterial metalloproteins (also plants)
 ** R01GM-18939-03 Sulfanes in metabolism-Crystalline human rhodanese (also bacteria, animals)
 ** R01GM-19256-03 Biologically related iron-sulfur chemistry
 R01GM-19478-03 Microanalysis using gas chromatography
 R01HL-15640-02 Reactions of polydentate thioimino metal complexes
 P01HL-16251-01 0008 Membrane-bound enzymes in heart and other tissues - Iron-sulfur centers and modulation of succinate dehydrogenase
 ** M01RR-00063-12 0056 General clinical research center - Sulfasizidine therapy in tropical sprue (human)

SULFUR (COMPOUNDS), DESULFURIZATION

- P10ES-00267-07 0006 Center for environmental toxicology - Metabolism of phosphorothionate insecticides (rats)

SULFUR, RADIOLABELED

SEE RADIOLABELED SULFUR*

SULFUR 35

SEE RADIOISOTOPES, SULFUR 35

SULFUR AMINO ACIDS

SEE ALSO NUCLEOSIDYL AMINO ACIDS, S-NUCLEOSIDYL AMINO ACIDS (GENERAL)

- R01AI-10519-03 Penicillin biosynthesis and related peptide chemistry (fungi)
 R01AM-08533-10 Utilization of essential amino acids by man (also rats)
 R01AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
 R01AM-11060-17 Mechanisms of androgen action (animals)
 ** R01AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
 R01AM-16214-14 Metabolism and analysis of geiter-inducing indoles (wood plant)
 R01HD-07240-05 Fetal effects of sulfoconjugation in pregnant rats
 ** R01NS-05096-11 0002 New amino acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)

SULFUR AMINO ACIDS, CYSTATHIONINE

- R01AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
 P01CA-08748-09 6302 Research program of Sloan-Kettering Institute - Cystathionine and vanillylmandelic excretion in neuroblastoma (human)
 P01CA-08748-09 7004 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies of neuroblastoma (human)
 R01CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Original significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- NO1HD-22789-03 Interaction of contraceptive steroids and vitamin B6 (human)
- PO1MH-13002-06 0041 Clinical and laboratory studies of affective disorder - Modifications of developing CNS with amino acids and psychotropic drugs (monkeys)
- ** RO1NS-04454-11 Cystathionine metabolism in brain (monkeys)
- RO1NS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- RO1NS-05096-11 0002 New amino acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)
- SULFUR AMINO ACIDS, CYSTEINE**
- SEE ALSO METALLOPROTEINS, METALLOTHIONEIN
SEE ALSO PEPTIDES, GLUTATHIONE
SEE ALSO SULFUR AMINO ACIDS, MERCAPTURIC ACID
- RO1AI-10551-03 Structural studies of immunoglobulin M (human)
- RO1AM-09131-10 Effect of amino acid analogs on protein synthesis (yeasts, rats)
- ** RO1AM-12828-06 Regulation of cysteine biosynthesis in *S typhimurium*
- RO1AM-13900-05 Metabolic basis of cystine storage disease (human)
- ** RO1AM-16188-03 Role of cysteine residues in hemoglobins A, F and S (human)
- RO1AM-16412-01 Bioinorganic and medical aspects of CU-cystinate
- ** RO1CA-04670-15 Hybridization, DNA function, mutation in cell culture (human, rodents)
- PO2CA-06516-12 0004 Cancer center support grant-Comprehensive - Clinical pharmacology
- PO2CA-06516-12 0028 Cancer center support grant-Comprehensive - Cell culture and cell physiology (human)
- RO1CA-08793-08 Chemistry and pharmacology of vitamin B6 antagonists
- RO1CA-12383-03 Asparagine analogs effects of allograft, leukemia (mice)
- ** RO1CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
- RO1CA-14969-02 0005 Radionuclide studies of tumors and growth - Molecular basis of action of cis-dichlorodiamine platinum (mammals nonhuman)
- ** RO1CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)
- PO1ES-00597-04 0003 Food-borne environmental toxicants - Peroxide initiated reactions (rats)
- RO1ES-00613-03 Distribution and fate of inhaled sulfur dioxide (mammals)
- RO1EY-00699-04 Intermediary metabolism of the cornea (rabbits)
- RO1EY-01065-01 Biochemical investigation of a hereditary cataract (rats)
- P11GM-15190-08 0013 Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
- P11GM-15477-08 0125 Drug metabolism and biochemical pharmacology - L-cysteine and sodium thiosulfate effect on cyclophosphamide metabolites
- P11GM-16216-06 0055 Toxicological problems of drugs (placental transfer, lactation) - Research approaches to treatment of organic chemical poisoning (mammals subhuman)
- ** RO1GM-16944-05 Stereochemical studies of biosynthetic reactions
- PO1GM-17702-05 0005 Human biochemical genetics - Prenatal diagnostic facility
- RO1GM-18747-03 Energy transfer and reaction in DNA-histone complexes
- ** RO1GM-18872-03 Stereochemistry of cysteine biosynthesis from serine (rats, bacteria)
- RO1GM-19256-03 Biologically related iron-sulfur chemistry
- RO1GM-20884-01 Deoxyribonucleotide metabolism in *Escherichia coli*
- RO1HD-08270-01 Spermiogenesis-Analysis of nuclear protein (rodents, lagomorphs, monkeys, human)
- RO1HL-12972-05 Glutathione deficiency in red cells (sheep)
- P17HL-14217-04 0020 Specialized center of research in thrombosis - N-terminal amino acids of plasmin degradation products of fibrinogen
- RO1NS-05096-11 0002 New amino acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)
- RO1NS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- RO1NS-10048-03 Mucus clearance in secretory otitis media (cattle, frogs)
- ** MO1RR-00043-14 0016 General clinical research center - N-acetylcysteine therapy for connective tissue disorders (human)
- ** MO1RR-00059-13 0147 General clinical research center - Synthesis of cysteine from methionine-Route of alimention (human)
- ** MO1RR-00262-09 0055 General clinical research center - Tritylcysteine (NSC 83265) metabolism (dogs)

SULFUR AMINO ACIDS, CYSTEINE, ACETYLCYSTEINE

- MO1RR-00865-01 0020 General clinical research center - Thiol therapy in paraproteinemia and Bence Jones proteinuria (human)
- SULFUR AMINO ACIDS, CYSTEINE, S-DICHLOROVINYLCYSTEINE**
- RO1AM-10785-18 Abnormal nucleic acids in aplastic anemia (cattle)
- SULFUR AMINO ACIDS, CYSTEINE, S-METHYLCYSTEINE**
- RO1AM-15227-04 Effect of age on sulfur amino acid metabolism (rats)
- ** MO1RR-00082-12 0104 General clinical research center - Metabolic study of children with hyperlipidemia Type II
- SULFUR AMINO ACIDS, CYSTINE**
- SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, CYSTINOSIS
- ** SEE ALSO METABOLIC DISORDERS INBORN, CYSTINURIA
- ** RO1AM-03416-15 Synthesis and chemistry of oriented peptides
- RO1AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- RO1AM-10794-08 Synthesis of oligopeptides and cyclic peptides
- RO1AM-10894-08 0007 Genetic metabolic diseases of infancy and childhood - Mechanism of cystinuria (dogs)
- RO1AM-10894-08 0011 Genetic metabolic diseases of infancy and childhood - Amino acid pools and protein synthesis (human)
- RO1AM-13900-05 Metabolic basis of cystine storage disease (human)
- ** RO1AM-16412-01 Bioinorganic and medical aspects of CU-cystinate
- RO1CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)
- PO1ES-00597-04 0003 Food-borne environmental toxicants - Peroxide initiated reactions (rats)
- RO1EY-01065-01 Biochemical investigation of a hereditary cataract (rats)
- ** RO1GM-07966-14 Chemistry of unsymmetrical aliphatic disulfides
- RO1GM-18813-03 Crystallography of organic disulfide-metal complexes
- RO1NS-04454-11 Cystathionine metabolism in brain (monkeys)
- SULFUR AMINO ACIDS, ETHIONINE**
- RO1AM-05556-13 Pancreatic regeneration and differentiation (rats)
- RO1AM-08686-09 Cytochemical studies in liver injury (mice, rats, guinea pigs, monkeys, human)
- ** RO1AM-14882-04 Chemical pathology of lesions produced by ethionine (rats, guinea pigs)
- ** RO1CA-11271-06 Biochemical studies of hepatoma production by ethionine
- RO1CA-11799-04 Pathology of the nucleolus in experimental carcinogenesis (rats)
- RO1CA-12218-04 Pathogenesis of liver cancer (rats, guinea pigs)
- PO1CA-12227-04 0006 Core program in carcinogenesis - Carcinogenic process in the liver (rats, guinea pigs, mice)
- PO1CA-12227-04 0012 Core program in carcinogenesis - Ultrastructural study of hepatic cell nucleoli (rats, guinea pigs)
- PO1CA-12227-04 0022 Core program in carcinogenesis - Transfer of RNA methylation in carcinogenesis (rats)
- ** PO1CA-12227-04 0025 Core program in carcinogenesis - Inhibition of RNA synthesis by ethionine in rat liver (also human)
- RO1CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
- RO1CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
- RO1CA-14904-02 The role of the hyperplastic liver nodule in carcinogenesis (rats)
- RO1CA-15189-01 DNA repair and carcinogenesis (rodents)
- P11GM-12675-10 0057 Biochemical toxicology and pharmacology - Chemical carcinogens and polysome association with endoplasmic reticulum (rats)
- P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
- SULFUR AMINO ACIDS, HOMOCYSTEINE**
- ** RO1AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
- RO1AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
- RO1AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
- ** PO1GM-19489-03 0010 Study of human genetics - Role of homocysteine in pathogenesis of homocystinuria
- NO1HD-22789-03 Interaction of contraceptive steroids and vitamin B6 (human)
- PO1NS-04053-12 0008 Epilepsy - Microiontophoresis of putative transmitters on neurons in cortical slabs (cats)
- RO1NS-04454-11 Cystathionine metabolism in brain (monkeys)

- RO1NS-06294-07 Cerebral enzymes in normal and convulsive states (rats, rabbits)

SULFUR AMINO ACIDS, HOMOCYSTEINE

- RO1AM-16506-02 Chemistry and biology of normal and abnormal collagens (human)
- PO1GM-21054-01 0008 Human genetics center - New genetic syndromes
- RO1NS-05096-11 0002 New amino acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)
- RO1NS-09156-04 CNS ultrastructure disease, drugs and development (human, rodents, monkeys)
- SULFUR AMINO ACIDS, MERCAPTURIC ACID**
- RO1AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
- SULFUR AMINO ACIDS, METHIONINE**
- SEE ALSO NUCLEOSIDYL AMINO ACIDS, S-ADENOSYLMETHIONINE
- RO1AM-00803-20 Methionine-tRNA synthetase (cattle, rats, rabbits, human)
- RO1AM-01845-17 Enzymic mechanisms in biosynthesis (bacteria, shrimp)
- RO1AM-04219-15 Cytochemical and macromolecular radiation effects (hamsters)
- RO1AM-05299-13 Enzyme modification with bifunctional inhibitors (human)
- RO1AM-05556-13 Pancreatic regeneration and differentiation (rats)
- RO1AM-08171-11 Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms)
- RO1AM-08546-10 Ketogenesis in the ruminant (cattle, goats)
- ** RO1AM-09406-11 0005 Genetic diseases - Schizophrenia and sulfur amino acid metabolism (rats, human)
- RO1AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
- R22AM-09980-09 0012 Infantile diarrhea and malnutrition (Peru, Baltimore) - Amino acid requirements (human)
- RO1AM-11748-07 0001 Regulation of metabolic processes - Effects of amino acids on liver metabolism (rats)
- RO1AM-11923-07 Regulation of galactose metabolism (*E. coli*, rabbits)
- RO1AM-13048-06 Sulfur amino acid metabolism in mammals (rats, human)
- PO1AM-13173-10 0003 Malignant and genetic alterations in human cells - Structure-function relationships in transfer RNA (sheep)
- RO1AM-13900-05 Metabolic basis of cystine storage disease (human)
- RO1AM-14706-03 Polyamines and RNA synthesis during liver regeneration (rats)
- PO1AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
- ** RO1AM-15227-04 Effect of age on sulfur amino acid metabolism (rats)
- RO1AM-15446-03 Nutritional significance of amino acid homeostasis (dogs, rats)
- RO1AM-15623-03 Polysaccharide metabolism in cystic fibrosis (human)
- RO1AM-15826-02 Biological methylation of contractile proteins (chickens, myxomycetes)
- RO1AM-15978-06 Control of specificity in protein synthesis (chick embryo, human, rodents)
- RO1AM-16019-03 Dietary lysine and carnitine formation
- PO1AM-16281-02 0014 Uremia-pathogenesis, effects, and possible prevention - Guanidines in uremic patients (human)
- RO1AM-16674-01 Aminoacyl transfer RNA synthetases in reticulocytes (rabbits, yeasts, bacteria)
- RO1CA-02290-21 Purification and chemistry of protein hormones (human, animals)
- ** RO1CA-06081-13 0001 Ultrastructural pathology - Exocrine pancreas differentiation (rats)
- RO1CA-06522-13 Folate coenzymes-Mechanism of action and transport
- ** PO1CA-06927-12 0015 Biological and biochemical program in cancer research - Basic chemistry of sulfur-containing cellular components
- PO2CA-08480-09 0001 Childhood cancer research center - Ribosome particles, their formation and function (*E. coli*)
- RO1CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
- RO1CA-11778-05 Chemistry of folate and pteridine coenzymes
- PO2CA-11911-04 0016 Clinical cancer center - Scintiscans of the pancreas
- PO2CA-12197-03 0008 Multidisciplinary oncology research center - Nucleic acid methylases in normal and neoplastic human tissues
- RO1CA-12218-04 Pathogenesis of liver cancer (rats, guinea pigs)
- PO1CA-12227-04 0006 Core program in carcinogenesis - Carcinogenic process in the liver (rats, guinea pigs, mice)
- RO1CA-12574-04 Modification of NH2-terminal region of proteins (*E. coli*, mice, chickens)
- RO1CA-12752-03 Protein synthesis in tumors (mice, bacteria)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** ROICA-12859-03** Biological C-methylation reactions (Penicillium citrinum)
- ROICA-14156-03** Responses of polyribosomes in liver cancer (rats, mice)
- ROICA-14169-03** RNA synthetic patterns as a biochemical test in leukemia (human)
- POICA-16359-01 0014** Cancer center support grant - Arginyl-tRNA protein transferase
- ROIES-00807-01** Selenium toxicity-Role of methionyl-tRNA synthetases (plants)
- ROIGM-06048-16** Regulation of enzyme synthesis in bacteria
- ROIGM-08995-13** Genetic control of protein synthesis (Neurospora, yeast)
- POIGM-16492-06 0004** Design of chemotherapeutic agents - Synthesis of methionine analogues
- POIGM-16492-06 0005** Design of chemotherapeutic agents - Pharmacological activities of synthetic analogues (rats, yeast, E coli)
- ROIGM-16995-05** Protein-nucleic acid interactions
- ROIGM-17151-05** Structure and function of sRNA (yeast, E coli, wheat)
- ROIGM-18642-03** Control of differential gene action and morphogenesis (neurospora)
- ROIGM-18855-03** Ribosome function in eukaryotes
- ** POIGM-19489-03 0030** Study of human genetics - Family organized medical record system (FOMERS)
- ROIGM-19807-02 0002** Membrane permeability as a regulatory element - Ripening triggers in relation to ethylene production (plants)
- ** ROIGM-19807-02 0005** Membrane permeability as a regulatory element - Origin of ethylene (plants)
- POIHD-00669-15 0012** Interdisciplinary program of research in aging - Post-mature structural changes in human collagen
- POIHD-03803-06 0005** Control mechanism in reproduction and development - Hemoglobin synthesis (rabbits)
- ** POIHD-05342-04 0004** Mental retardation and brain development - Amino acid studies in growing rat
- POIHD-07578-01 0003** Growth and nutrition of normal infants - Proteins and amino acids (human)
- ROIHL-09752-10** Cooperative study of renal disease and hypertension (human)
- P17HL-14217-04 0020** Specialized center of research in thrombosis - N-terminal amino acids of plasmin degradation products of fibrinogen
- P17HL-14217-04 0021** Specialized center of research in thrombosis - Cyanogen bromide derivatives of fibrinogen
- ROIHL-14677-03** Nutrition and lipid metabolism-Comparative aspects (swine, chicken, rodents)
- ROIHL-15104-03** A mechanism for oxidative phosphorylation
- POIMH-25515-01 0022** Collaborative biological research on schizophrenia - Transmethylation in schizophrenics who "respond" to methionine loading
- NOIMH-30008-00** Synthesis and assay of S-adenosylmethionine analogues
- ROINS-05096-11 0001** New amino acid disorders in cerebral disease - Homocystinuria due to methylenetetrahydrofolate reductase deficiency (children)
- ROINS-05096-11 0002** New amino acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)
- MOIRR-00059-13 0147** General clinical research center - Synthesis of cysteine from methionine-Route of alimention (human)
- MOIRR-00229-09 0062** General clinical research center - Treatment of liver failure tyrosinemia and methioninemia (human)
- ** MOIRR-00400-06 0057** General clinical research center-adult - Low methionine diet in homocystinuria (human)
- SULFUR AMINO ACIDS, METHIONINE, SELENOMETHIONINE**
- ROIAM-06424-12** Nutritional function of selenium (rats)
- ** ROIES-00807-01** Selenium toxicity-Role of methionyl-tRNA synthetases (plants)
- ROIID-00472-02** Organic metabolites of selenium (rats, chickens, swine, cattle)
- ROIHL-06128-14** Relationships between coagulability and thrombosis (human, rabbits, monkeys)
- ** MOIRR-00042-14 0006** General clinical research center - Selenomethionine in erythrocytes, platelets and serum proteins (human)
- SULFUR AMINO ACIDS, METHIONINE, SULFOXIMINE**
- ROIAM-05853-13** Conformational basis of enzymic catalysis
- ** ROINS-06294-07** Cerebral enzymes in normal and convulsive states (rats, rabbits)
- ROINS-11018-01** Gamma-glutamyl cycle, brain amino acid uptake and drugs (rats, mice)
- SULFUR AMINO ACIDS, PENICILLAMINE**
- ROIAM-07697-11** Chemistry of elastin (cattle, chick embryo, swine)
- ROIAM-09406-11 0004** Genetic diseases - Collagen metabolism (human)
- ** ROIAM-10358-09** Effects of penicillamine on collagen metabolism (human, rats, cattle)
- ROIAM-10370-09** Metabolic abnormalities in rheumatoid arthritis
- ROIAM-15159-04** Immunohistopathology of renal diseases (human, rabbits)
- ** P17AM-17702-01 0007** Hepatitis cirrhosis center - Penicillamine in treatment of chronic active hepatitis in children and adults
- ROICA-08793-08** Chemistry and pharmacology of vitamin B6 antagonists
- ROIIDE-02863-07** Differentiation of embryonic tooth rudiments in vitro (mice)
- PIOES-00159-09 0009** Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
- ROIES-00760-01** Lasting effects of prenatal low dose methylmercury (rats, chickens)
- ROIES-00895-01** Structural studies in treatment of metal poisoning
- ROIES-00963-01** Toxic metal synergism and mixed chelate therapy (mice)
- ROIGM-07884-13** 3-Phosphoglyceraldehyde dehydrogenase (chickens)
- PIOES-15190-08 0011** Center for toxicological research and training - Metabolism of methylmercury compounds in man
- P11GM-15190-08 0013** Center for toxicological research and training - Pharmacodynamics of mercury in organisms (mammals)
- P11GM-15559-07 0036** Clinical pharmacology - Drugs and connective tissue metabolism (human)
- ** P11GM-15559-07 0037** Clinical pharmacology - Clinical trial of penicillamine for rheumatoid vasculitis
- ** P11GM-15759-08 0028** Clinical pharmacology in rheumatic and muscular diseases - Penicillamine effect on serum immunoglobulins and rheumatoid factor in arthritis
- POIHD-06576-01 0002** Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
- P17HL-15061-03 0004** Response of lung to injury - Biochemical abnormalities in connective tissues (human, dogs, rats)
- ROIHL-16437-01** Drug treatment of atherosclerosis (rabbits, monkeys)
- ** POINS-10175-03 0001** Neuromuscular disease research center - Muscle enzyme and penicillamine studies-Animal research
- ** POINS-10175-03 0002** Neuromuscular disease research center - Muscle enzyme and penicillamine studies-Human research
- ** MOIRR-00042-14 0041** General clinical research center - Penicillamine for rheumatoid arthritis with vasculitis (human)
- MOIRR-00043-14 0016** General clinical research center - N-acetylcysteine therapy for connective tissue disorders (human)
- ** MOIRR-00044-14 0008** General clinical research center - Penicillamine in treatment of cystinuria (human)
- ** MOIRR-00050-13 0001** Wilson's disease - Wilsons disease
- MOIRR-00052-13 0001** General clinical research center for children - Subclinical toxic effects of childhood plumbism
- MOIRR-00064-10 0002** General clinical research center - Copper metabolism in human subjects
- ** MOIRR-00095-14 0051** General clinical research center - Penicillamine treatment of muscular dystrophy (human)
- ** MOIRR-00128-10 0039** General clinical research center for children - Effect of penicillamine on cirrhosis in Wilson's disease
- MOIRR-00318-08 0072** General clinical research center - Lead as contributing agent to hyperactive children
- ** MOIRR-00585-03 0006** General clinical research center - Long term study of Wilsons disease (human)
- MOIRR-00865-01 0020** General clinical research center - Thiol therapy in paraproteinemia and Bence Jones proteinuria (human)
- ** MOIRR-00865-01 0022** General clinical research center - Trial of N-acetyl-D, L-penicillamine in mercury poisoning (human)
- SULFUR AMINO ACIDS, THIENYLALANINE**
- ROICA-05310-14** Mechanism of action of beta-3TA (mice)
- SULFUR AMINO ACIDS, SELENATED**
- SEE ALSO SULFUR AMINO ACIDS, METHIONINE, SELENOMETHIONINE
- POIAM-14881-04 0014** Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
- ** ROIES-00254-12** Selenium metabolism (bacteria, plants, rats, mice)
- ROIID-00472-02** Organic metabolites of selenium (rats, chickens, swine, cattle)
- SULFUR DIOXIDE**
- SEE SULFUR OXIDES
- SULFUR MUSTARDS**
- ROICA-10925-25** Application of crystallographic techniques
- ROICA-13058-03** Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria)
- ROICA-14365-02** Cell cycle in relation to cancer chemotherapy
- NOICM-60506-15** Synthetic and biochemical approaches to cancer chemotherapy
- P11GM-15477-08 0119** Drug metabolism and biochemical pharmacology - Principles of drug biotransformation (rats)
- SULFUR OXIDES**
- SEE ALSO SULFOXIDES
- RO7A-10050-14 0005** International center for medical research - Environmental health and other studies (human, fish, mammals)
- POICA-13343-02 0011** Environmental cancer - Experimental oncology (hamsters, mice, rats)
- NOICP-33260-04** Studies on pulmonary carcinogenesis (rats, hamsters)
- PIOES-00260-12 0001** Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
- PIOES-00260-12 0009** Research in the environmental health sciences - Pulmonary carcinogenesis and carcinogenic potential of materials (rodents)
- ** PIOES-00260-12 0018** Research in the environmental health sciences - S-sulfonate in plasma (human, primates, rabbits, rodents)
- PIOES-00260-12 0033** Research in the environmental health sciences - Personal sampler for air contaminants
- POIES-00454-06 0012** Biological effects of environmental agents - Air hygiene (human, dogs)
- POIES-00454-06 0023** Biological effects of environmental agents - Mutagens, carcinogens, nucleic acids and cell transformation (hamsters)
- ** ROIES-00613-03** Distribution and fate of inhaled sulfur dioxide (mammals)
- ** ROIES-00741-02** Interaction of SO2 and virus on respiratory mucosa (chickens)
- ROIES-00827-02** Factors affecting irritant potency of gases and aerosols (guinea pigs)
- ** ROIES-00872-01** Respiratory tract irritants--Desensitization (rabbits, rodents)
- ** ROIES-01033-03** Damage to nucleic acids by bisulfite-Sulfur dioxide (E coli, rats, rabbits)
- ** ROIES-01108-01** Effects of SO2 and respirable particulates on health
- ROIGM-18028-01** Synthesis of potential diuretic and hypoglycemic agents
- P17HL-14179-04 0008** Center for the study of lung disease - Air pollutants, lung physiology and lung biochemistry (human, guinea pigs)
- P17HL-14201-04 0012** Pulmonary disease research center - Hyperirritability of the airways in patients with asthma (also dogs)
- P17HL-14201-04 0013** Pulmonary disease research center - Powdered tantalum as a roentgenographic contrast material (human, dogs)
- ROIHL-14271-02** Physico-chemical properties of tracheal mucus (dogs, frogs)
- ROIHL-14534-03** Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
- ROIHL-15273-02** Metabolism of pulmonary surfactant (rats)
- ROIHL-15980-02** Isolation, structure and model reactions of home A (cattle)
- ROIHL-16264-01** Role of inflammatory hormones in chronic lung disease
- ROIHL-16652-01** Asthma and air pollution in two inner city areas
- ROIHO-00340-05 0006** Respiratory effects of inhaled gases and aerosols - Irritant aerosols (guinea pigs)
- ** ROIHO-00340-05 0011** Respiratory effects of inhaled gases and aerosols - Sulfur dioxide plus sodium chloride-Functional effects (guinea pigs)
- SULFURIC ESTERS**
- SEE SULFATES, SULFURIC ESTERS
- SULTHIAME**
- SEE SULFONAMIDES, SULTHIAME
- SUNBURN**
- SEE INJURIES, BURNS, SUNBURN
- SUN ORIENTATION**
- SEE ENVIRONMENT, ORIENTATION
- SUNSCREENING AGENTS**
- SEE PHOTOPROTECTIVE AGENTS, SUNSCREENING AGENTS
- SUNSTROKE**
- SEE INJURIES, TEMPERATURE DEPENDENT, HEAT INDUCED
- SUNTANNING AGENTS, PSORALENS**
- SEE BENZO-ALPHA-PYRONES, FUROCUMARINS, PSORALENS
- SUPEREGO**
- SEE PSYCHOLOGY, PERSONALITY DEVELOPMENT, EGO, SUPEREGO, ID
- SUPERIOR CERVICAL GANGLION**
- SEE NERVOUS SYSTEM AUTONOMIC, SUPERIOR CERVICAL GANGLION
- SUPERIOR OLIVE**
- SEE BRAIN, PONS, OLIVARY BODY
- SUPEROXIDE DISMUTASE**
- SEE METALLOPROTEINS, CYTOCUPREINS

(cont'd)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

SUPERSTITIONS

SEE PSYCHOLOGY, ATTITUDES, BELIEFS

SUPPLIES, HEALTH AND MEDICAL (GENERAL)

SEE HEALTH EQUIPMENT AND SUPPLIES (GENERAL)

SUPPLIES, HOSPITAL

SEE HOSPITALS EQUIPMENT AND SUPPLIES

SUPPORTING FRAMES FOR TISSUE GROWTH

SEE BIOMATERIALS, TISSUE SUPPORTING FRAMES

SUPPOSITORIES

SEE DOSAGE FORMS

SUPPRESSION

SEE PSYCHOLOGY, SUPPRESSION

SUPRAOPTIC NUCLEUS

SEE BRAIN, HYPOTHALAMUS, SUPRAOPTIC NUCLEUS

SURFACE ACTIVE AGENTS

SEE PHYSICAL PROPERTIES, SURFACTANTS

SURFACE ACTIVITY, CELLULAR

SEE CELL SURFACE ACTIVITY (GENERAL)

SURFACE ANTIGENS

SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)

SURFACE ENZYMES

SEE ENZYMES, EXOENZYMES

SURFACE PROPERTIES (GENERAL)

SEE PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)

SURFACTANT, PULMONARY

SEE RESPIRATORY SYSTEM, PULMONARY SURFACTANT

SURFACTANTS

SEE PHYSICAL PROPERTIES, SURFACTANTS

SURGERY

SEE ALSO ADRENALECTOMY
 SEE ALSO BILIARY TRACT SURGERY
 SEE ALSO BLOOD AND RE SYSTEM, LYMPHATIC TISSUE, LYMPHADENECTOMY
 SEE ALSO BLOOD AND RE SYSTEM, SPLENECTOMY
 SEE ALSO BLOOD AND RE SYSTEM, THYMECTOMY
 SEE ALSO BODY FLUID BALANCE THERAPY, PARACENTESIS
 SEE ALSO CARDIOVASCULAR SURGERY
 SEE ALSO CEREBROVASCULAR SURGERY
 SEE ALSO EAR SURGERY
 SEE ALSO EYE SURGERY
 SEE ALSO GASTROINTESTINAL SURGERY
 SEE ALSO KIDNEY SURGERY
 SEE ALSO LIVER SURGERY, HEPATECTOMY
 SEE ALSO NEOPLASMS SURGERY
 SEE ALSO NEUROSURGERY
 SEE ALSO ORAL-FACIAL RESTORATION
 SEE ALSO ORAL SURGERY
 SEE ALSO PANCREAS SURGERY, PANCREATECTOMY
 SEE ALSO PARATHYROIDECTOMY
 SEE ALSO PITUITARY REMOVAL
 SEE ALSO PITUITARY STALK SECTION
 SEE ALSO PREGNANCY, BIRTH, CESAREAN SECTION
 SEE ALSO PROSTHESIS
 SEE ALSO REPRODUCTIVE SYSTEM SURGERY
 SEE ALSO RESPIRATORY SYSTEM SURGERY
 SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS
 SEE ALSO SKELETAL SYSTEM, SKULL, CRANIOTOMY
 SEE ALSO STEREOTAXIC TECHNIQUE
 SEE ALSO TEMPERATURE (BODY), HYPOTHERMIA INDUCED, CRYOSURGERY
 SEE ALSO THYROIDECTOMY
 SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION
 SEE ALSO URINARY TRACT SURGERY
 R01AJ-08572-07 Transfection of E coli and its applications (bacteriophage)
 ** P02AM-05577-13 0018 Clinical research unit in rheumatic diseases - Hand surgery (human)
 R01AM-15660-03 Renal control of the excretion of urea (rats, gerbils)
 R01AM-17432-01 Quantitated function correlated with physical impairment
 ** P02CA-08832-08 0105 An integrated study of advanced malignant diseases - Diagnostic open lung biopsy in the critically ill child
 R10CA-12279-04 Central oncology group
 R10CA-12282-04 Central Oncology Group
 ** R10CA-12289-04 Central oncology group
 P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
 R01CA-13041-02 Lymphocyte metabolism in cancer patients
 ** P02CA-13148-03 0008 Pilot cancer center - Surgical immunology
 ** P02CA-13148-03 0011 Pilot cancer center - Regional maxillofacial prosthetics
 P02CA-13696-02 0040 Clinical cancer research center - Basal cell carcinoma (human)

P02CA-13696-02 0047 Clinical cancer research center - Psychiatric liaison with surgery service (human)
 R01CA-13700-02 Parathyroid hormone and cancer (human)
 P01CA-14599-01 0033 University of Chicago Cancer Research Center - Comprehensive therapy of metastatic colon and rectal cancer (human)
 P01CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer
 ** P01CA-15704-01 0031 Cancer center support grant - Surgical transplant program
 N01CM-43794-00 Therapy of patients with pancreatic carcinoma
 N01CM-43796-00 Therapy of patients with pancreatic carcinoma
 N01CM-80950-10 Brain tumor chemotherapy (human)
 N01CP-43224-00 Oncogenic activity of virus preparations in primates
 N01CP-43344-00 Supply of fresh human materials from neoplastic patients
 P01GM-09069-12 0064 Research in anesthesiology - Halothane anesthesia and pulmonary shunting (dogs)
 P01GM-14546-08 0038 Influence of acute illness and injury on energy - Ventilatory and breathing patterns in post-trauma and septic patients
 P01GM-14546-08 0041 Influence of acute illness and injury on energy - Mathematical modeling and simulation
 P01GM-14546-08 0047 Influence of acute illness and injury on energy - Injury and sepsis-Hepatic vs forearm metabolism (human)
 ** P01GM-14892-07 0001 The traumatized patient - Shock (human)
 P01GM-14892-07 0002 The traumatized patient - Hematologic and rheologic changes in burns and hemorrhagic shock (human)
 ** P01GM-15991-06 0106 Anesthesia research center - Regional anesthesia-Good risk surgical patients
 M P01GM-19599-02 Surveillance and predictive diagnosis in surgical patients
 P01GM-21797-01 0001 The traumatized patient - Shock (human, baboons)
 N01GM-42155-00 Evaluation of surgical research
 N01GM-42157-00 Evaluation of surgical research
 N01HD-22769-03 Development of evaluation of a reversible vasectomy prosthesis
 P01HL-05435-14 0024 Cardiovascular research and training program - Neurophysiology (pigs, monkeys, human)
 P17HL-14147-04 0010 Specialized center of research in thrombosis - Thromboembolic occlusions in surgical patients
 P18HL-15169-03 0006 Comprehensive sickle cell disease center - Effect of high oxygen concentration upon healing of chronic leg ulcers (human)
 R01HL-15484-02 0006 Aneurysms, arteriovenous fistulas and atherosclerosis - Changes in saccular aneurysms from microvascular surgery (rabbits, sheep)
 N01HR-42967-00 Alpha-1-antitrypsin reference laboratory (human)
 P01HS-00451-07 Economics of health research program
 N01HV-32979-03 Collaborative studies on coronary artery surgery
 N01HV-32980-03 Collaborative studies on coronary artery surgery
 N01HV-32981-03 Collaborative studies on coronary artery surgery
 R01LM-02268-01 An American doctor's letters on French surgery, 1832-5
 ** N01MI-24078-07 Study of surgical services in the United States
 ** P01NS-06663-08 0011 Cerebrovascular clinical research center - Cerebral infarction related to operative procedure (human)
 P01NS-06663-08 0012 Cerebrovascular clinical research center - Pulsatile tinnitus (human)
 P07RR-00015-12 0083 Medical school computer facility - Sickle cell hemoglobin patients undergoing surgery
 N01RR-00037-14 0014 General clinical research center - Urinary tract physiology altered by congenital defects (human)
 ** P07RR-00267-09 0100 Biomedical data processing unit - Surgical service for United States
 N01RR-00334-08 0020 General clinical research center - Prevention of lower extremity edema (human)
 ** N01RR-00349-08 0060 General clinical research center - Evaluation of stress during learning of surgical skills (human)
 P07RR-00396-07 Resource for biomedical computing
 P06RR-00467-03 A program for strengthening a central animal facility (laboratory animals)
 ** N01RR-00645-03 0070 Clinical research center - Metabolic response to surgical trauma (human)
 P06RR-00720-01 Improvement laboratory animal facilities

SURGERY, MICROSURGERY AND MICRODISSECTION

R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
 P01CA-06927-12 0007 Biological and biochemical program in cancer research - Timing the cell cycle in Stentor

R01EY-00841-03 Vitrectomy through the pars plana (human)
 R01GM-21367-01 Materials and components for miniature fiberoptics (human, dogs)
 N01HB-33017-01 A study of massive transfusion (human, swine)
 ** R01HD-00659-15 Study of immature kidneys by microdissection (human, rats)
 P01HD-03803-06 0001 Control mechanism in reproduction and development - Organogenesis and embryonic induction (amphibians, Drosophila)
 ** P01HD-07328-01 0005 Experimental and theoretical studies of cell senescence - Design and development of micromanipulation equipment

SURGERY, OTOLARYNGOLOGIC, ADENOIDECTOMY
 ** R13NS-12042-01 Conference on tonsillectomy and adenoidectomy

SURGERY, OTOLARYNGOLOGIC, TONSILLECTOMY
 ** R13NS-12042-01 Conference on tonsillectomy and adenoidectomy

SURGERY, PLASTIC
 SEE ALSO ORAL-FACIAL RESTORATION
 P01DE-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
 ** P01DE-03568-01 0001 Craniofacial anomalies-etiology and treatment - Ocular hypertelorism (children)
 ** P01DE-03568-01 0002 Craniofacial anomalies-etiology and treatment - Hypoplasia of the midface

SURGERY, POSTOPERATIVE
 SEE ALSO DISEASES, COMPLICATIONS, POSTOPERATIVE
 R01AM-12333-08 Studies in gastrointestinal physiology (dogs, human)
 P02AM-13083-06 0001 Organ transplantation - Clinical studies of renal transplantation
 R01AM-13323-04 Interorgan movement of amino acids (dogs, human)
 R01AM-15952-03 Esophageal motility in health and certain diseases (human)
 P01AM-17433-01 0001 Cardiovascular, metabolic aspects of membrane transport - Ion transport across single nephrons (Necturus, Amphibia, rats)
 ** P01AM-17433-01 0005 Cardiovascular, metabolic aspects of membrane transport - Changes in renal mass and glomerular filtration due to reduced function (rats)
 P01AM-17433-01 0009 Cardiovascular, metabolic aspects of membrane transport - Renal hemodynamics in renal disorders (rats)
 P17AM-17624-01 0011 Obesity center - Jejunum ileal shunt in morbid obesity (human)
 P01CA-04486-15 0001 Pathology of the digestive tract mucous membrane - Clinical and morphologic studies of CEA
 P02CA-05826-13 0083 Clinical cancer research center - Clinical hepatic transplantation for cancer
 P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
 P02CA-05831-13 0036 Cancer clinical research - Parenteral hyperalimentation in the cancer patient (also rats)
 P02CA-06294-13 0006 Radiotherapy research - Genitourinary tract (human)
 P01CA-07304-11 0024 Steroid hormone production and metabolism in cancer - Secretory program of the human adrenal
 P01CA-08748-09 5619 Research program of Sloan-Kettering Institute - Potency of analgesics in cancer patients
 R10CA-11109-06 Eastern cooperative oncology group
 P02CA-11265-05 0015 General clinical cancer research center - Protocol for malignant glioma of brain
 R10CA-11722-06 National Wilms tumor study (children)
 R10CA-12027-04 Headquarters-Surgical adjuvant breast group
 R10CA-12028-04 National surgical adjuvant breast project
 ** R10CA-12029-04 National surgical adjuvant breast project
 R10CA-12033-04 National surgical adjuvant breast project
 R10CA-12036-04 National surgical adjuvant breast project
 R10CA-12039-04 National surgical adjuvant breast project
 P02CA-12178-04 0005 Radiotherapy-oncology center - Breast carcinoma
 P02CA-12178-04 0006 Radiotherapy-oncology center - Bronchogenic carcinoma
 P02CA-12178-04 0007 Radiotherapy-oncology center - Lymphoma and Hodgkins disease
 ** P02CA-12178-04 0015 Radiotherapy-oncology center - Post-mastectomy cobalt 60 radiation dosimetry
 R10CA-12276-03 Central Oncology Group
 R10CA-12476-04 Gynecologic oncology group
 R10CA-12477-04 Gynecologic oncology group
 R10CA-12478-04 Gynecologic oncology group
 R10CA-12482-04 Gynecologic oncology group
 R10CA-12484-04 Gynecologic oncology group (human)
 R10CA-12485-04 Gynecologic oncology group (human)
 R10CA-12534-04 Gynecologic oncology group

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
- P02CA-13053-03 0053 Clinical cancer radiation therapy research center - Adjunctive chemotherapy in primary rhabdomyosarcoma (human)
- P02CA-13053-03 0070 Clinical cancer radiation therapy research center - Participation in national surgical adjuvant breast group study
- R10CA-13237-03 Southeastern cancer study group
- R10CA-13446-01 Gynecologic Oncology Group
- P02CA-13696-02 0016 Clinical cancer research center - Colorectal cancer-Adjunctive chemotherapy (human)
- R10CA-13809-02 Children's cancer study group A
- P01CA-14089-01 0013 Pilot multidisciplinary cancer research program - Extracellular substances in Wilms' and other tumors (human)
- P02CA-15083-01 0008 Cancer Center Support Grant-Mayo Foundation - Management of breast cancer (human)
- P01CA-15192-01 Cancer Center Support Grant Specialized
- P01CA-16127-01 0024 Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
- P01CA-16246-01 0001 Integrated tumor biology program - Cell-mediated immunity, serum blocking factor in therapy (human)
- R18CA-16400-01 0003 Cancer control development grant - Rehabilitation (human)
- N01CB-23230-02 Provide patient input for primary breast cancer study
- N01CB-23232-02 Patient input for primary breast cancer study
- N01CM-02028-07 Experimental chemotherapy of brain tumors (human)
- P01DE-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
- P01DE-00853-17 0002 Diagnostic and prognostic techniques in cleft palate - Maxillofacial growth project (dogs, tamarins, rats)
- P01DE-00853-17 0003 Diagnostic and prognostic techniques in cleft palate - Speech physiology project (children, adults)
- P01DE-01899-12 0003 Habilitation of the cleft palate individual - Speech pathology
- P02DE-02172-10 0004 Oral-facial communicative disorders - Speech and hearing (children)
- P01DE-02872-05 0024 Craniofacial anomalies - Biostatometrics (children)
- P15EY-00338-09 0001 A study of macular disease - Cystoid macular edema after cataract extraction (human)
- P15EY-00338-09 0005 A study of macular disease - Evaluation of the macula in rhegmatogenous retinal detachment (human)
- P15EY-00493-06 0001 Corneal research clinic - Corneal endothelium in patients with corneal guttata (human)
- R01EY-01079-01 Clinical aspects of the transscleral VER (human)
- R01EY-01312-01 Holographic stress-testing of the surgical cornea (rabbits)
- R01GM-15320-07 Electrolyte kinetics in surgical patients (human, dogs)
- ** P01GM-15430-07 0005 Research in anesthesia - Pulmonary insufficiency (human, rabbits, dogs, horses)
- P01GM-15430-07 0008 Research in anesthesia - Calcium studies (human)
- ** P01GM-15430-07 0011 Research in anesthesia - Sympathetic receptors in isolated tissue (rats, human)
- R01GM-16498-06 Metabolism of volatile fluorinated anesthetics in man
- R01GM-17284-05 Computer monitoring of surgical patients
- P01GM-17366-04 0001 Biochemical and physiologic response to trauma - Endocrine aspects of shock and trauma (human, monkeys)
- R01GM-17960-04 Surgical stress and trauma on citrate metabolism (human, dogs, rats)
- R01GM-20085-15 The regulation of electrolyte balance in surgery (human, dogs, rats)
- P01HL-06312-13 0013 Surgical cardiology - Aortocoronary vein bypass grafting (human)
- P01HL-06312-13 0015 Surgical cardiology - Internal mammary artery versus autogenous vein for coronary artery bypass (human)
- P01HL-06312-13 0017 Surgical cardiology - Cardiac transplantation (human)
- P01HL-06336-14 0035 Cardiovascular program project - Occlusion of saphenous vein bypass grafts (human)
- P01HL-06664-13 0018 Cardiopulmonary function in remediable vascular disease - Coronary arterial outflow resistance-Effect of nitroglycerine, papaverine
- P01HL-06664-13 0025 Cardiopulmonary function in remediable vascular disease - Pulmonary blood flow, ventilation and lung function (human)
- R01HL-08696-10 0005 Orthotopic heart transplantation - Application of an in vitro cell-mediated cytotoxicity assay (human)
- R01HL-08929-10 0001 Surgical vascular disorders - Detecting in vivo thromboses (human, dogs)
- R01HL-08929-10 0004 Surgical vascular disorders - Role of platelets in thrombosis (human, dogs)
- R01HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
- R01HL-10177-09 Continuous monitoring with a small digital computer (human)
- P01HL-10539-09 0002 Pathophysiology of circulation - Clinical morphological correlations in valvular heart disease (human)
- P01HL-13108-05 0017 Clinical heart transplantation - Pulmonary vascular resistance following cardiac transplantation (human)
- P01HL-13108-05 0018 Clinical heart transplantation - Effect of heart rate on cardiac output in the denervated heart (human)
- ** P01HL-13108-05 0019 Clinical heart transplantation - Isoproterenol and cardiac output in the denervated transplanted heart (human)
- P01HL-13108-05 0033 Clinical heart transplantation - Preexisting heart disease and development of atherosclerosis posttransplantation
- P01HL-13737-04 0029 Assisted circulation - Chronic left ventricular failure (human)
- M R01HL-13872-16 Body composition and metabolic care in surgery
- R01HL-13872-16 0002 Body composition and metabolic care in surgery - Muscle surface cationic electrometry (human)
- R01HL-13872-16 0008 Body composition and metabolic care in surgery - Effects of normovolemic hemodilution (human)
- P17HL-14147-04 0005 Specialized center of research in thrombosis - Activated factor X inhibitor as a measure of thrombosis (human, rabbits)
- ** P17HL-14159-04 0015 Specialized center of research in hypertension - Plasma renin activity and sodium excretion after heart surgery (human)
- P01HL-14780-02 0028 Mechanisms and treatment of cardiovascular diseases - Evaluation of surgical intervention in coronary artery disease (human)
- R01HL-14888-02 Behavioral deficits in post-cardiac surgery patients
- R01HL-14901-02 Experimental pulmonary transplantation (baboons)
- P18HL-15158-03 0023 Comprehensive sickle cell disease center - Clinical and hematological studies (human)
- P18HL-15160-03 0001 Comprehensive sickle cell disease center - Sickle cell disease and anesthetic experience (human)
- P01HL-15194-02 0003 Pathophysiology of cardiopulmonary dysfunction - Coronary circulation-Evaluation of nutritive flow (human)
- P01HL-15833-01 0008 Pharmacologic and physiologic basis of cardiac therapy - Drug metabolism in postoperative cardiac surgical patients
- ** R01HL-16246-01 Immunologic studies in postpericardiotomy syndrome
- R01HL-16329-02 Cardiac surgical effects on heart function in infants (human)
- R01HL-16461-01 Late results of valve replacement-Computer analysis (human)
- R01HL-16559-01 0003 Dynamics of lipoprotein structure and atherosclerosis (human) - Clinical studies
- R01HL-17723-01 Studies of pathophysiology of vasopressin in man
- R18HS-01467-01 Evaluation of computer-aided care after heart surgery (human)
- N01HV-81333-09 Myocardial infarction research unit (human, mammals nonhuman)
- ** R01MH-06211-12 Postoperative recovery mechanisms and retention (rats)
- R03MH-25349-01 Physiological sleep patterns after open-heart surgery (human)
- P01NS-06663-08 0014 Cerebrovascular clinical research center - Postoperative treatment of subarachnoid hemorrhage and cerebral vasospasm
- P01NS-07226-06 0011 Neurosensory interdisciplinary research program - Intracranial pressure monitor (monkey, cats)
- P01NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
- R01NS-11379-02 Electrophysiological studies of epileptic brain (human)
- ** R02NJ-00455-02 Experimental trials of the nursing process (dogs)
- R02NJ-00480-01 Psychosocial factors in illness outcome
- M01RR-00034-14 0049 General clinical research center - Residual pituitary function in acromegaly after hypophysectomy (human)
- M01RR-00035-14 0083 General clinical research centers - Post-operative evaluation of tetralogy of Fallot (human)
- M01RR-00036-14 0073 General clinical research center - Response of plasma aldosterone to surgical stress (human)
- M01RR-00037-14 0126 General clinical research center - Hyperlipidemia in uremia (human)
- M01RR-00039-14 0033 General clinical research center - Capacity to synthesize urea in cirrhosis (human)
- M01RR-00044-14 0045 General clinical research center - Metabolism inducing agents in obesity after intestinal by-pass (human)
- M01RR-00046-14 0016 General clinical research center - Hemodynamics before-after operation for bleeding esophageal varices (human)
- M01RR-00051-13 0020 General clinical research center - Bile acids and microflora in small intestine (human)
- M01RR-00051-13 0052 General clinical research center - Hyperparathyroidism after renal transplant (human)
- M01RR-00056-13 0041 General Clinical Research Center - Pre-and post-operative study of patients with pituitary tumor
- M01RR-00076-12 0092 General clinical research center - Regression of hyperparathyroidism following renal transplant (human)
- M01RR-00083-12 0012 General clinical research center - Sodium regulation in hypertensive post-renal transplant child
- M01RR-00084-12 0038 General clinical research center-children - Prolactin and somatomedin in hypopituitarism after surgery for craniopharyngioma
- M01RR-00262-09 0040 General clinical research center - Variations of carcino-embryonic antigen after surgery (human)
- M01RR-00262-09 0043 General clinical research center - Urinary nucleosides in surgical patients
- M01RR-00287-08 0021 General clinical research center - Appraisal of postoperative morbidity of vena cava filter (human)
- ** M01RR-00400-06 0058 General clinical research center - adult - ileal bypass program (human)
- ** M01RR-00633-02 0056 General clinical research center - Total parenteral nutrition in surgical patients
- M01RR-00633-02 0057 General clinical research center - Relationship of zinc and nitrogen metabolism to wound healing (human)
- M01RR-00645-03 0045 Clinical research center - Metabolism of halothane in infants and children
- M01RR-00645-03 0046 Clinical research center - Metabolic response in short bowel syndrome and in ileostomy (infant, human)
- M01RR-00828-01 0040 General clinical research center - Glucose metabolism in acid peptic disease before and after surgery (human)

SURGERY, PREOPERATIVE

- R01AM-15952-03 Esophageal motility in health and certain diseases (human)
- ** R01AM-16026-04 Angiographic diagnosis and control of GI bleeding (human, dogs)
- R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
- P02CA-95826-13 0071 Clinical cancer research center - Endocrinologic studies in pituitary tumors (human)
- P02CA-05826-13 0073 Clinical cancer research center - Kinetic behavior of brain tumor cells (human)
- P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
- P02CA-05831-13 0036 Cancer clinical research - Parenteral hyperalimentation in the cancer patient (also rats)
- ** P02CA-05838-13 0009 Clinical radiotherapy cancer research center - Preoperative radiotherapy in bladder cancer
- ** P02CA-05838-13 0010 Clinical radiotherapy cancer research center - Hypopharynx protocol
- P02CA-06294-13 0001 Radiotherapy research - Female genital tract (human)
- P02CA-06294-13 0002 Radiotherapy research - Upper respiratory and digestive passages (human)
- P02CA-06294-13 0003 Radiotherapy research - Carcinoma of the breast (human)
- P02CA-06294-13 0006 Radiotherapy research - Genitourinary tract (human)
- ** P02CA-06519-12 0043 Radiation therapy and biology research program - Preoperative radiation in carcinoma of the rectum (human)
- R10CA-11722-06 National Wilms tumor study (children)
- P02CA-12178-04 0003 Radiotherapy-oncology center - Carcinoma of endometrium
- R10CA-12248-03 Radiation therapy oncology group
- P02CA-13053-03 0008 Clinical cancer radiation therapy research center - Radiation therapy in early cervix carcinoma (human)
- P02CA-13053-03 0068 Clinical cancer radiation therapy research center - Randomized study-Preoperative radiation for head and neck tumors (human)
- P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
- R01CA-13603-03 Clinicopathologic study of ocular and orbital cancer (human)
- R10CA-14058-01 Radiation Therapy Oncology Group
- R10CA-14571-02 Surgical adjuvant renal cell carcinoma (human)
- R10CA-15474-01 Colo-rectal pathology reference center
- R26CA-15491-01 National Bladder Cancer Collaborative Group A
- R26CA-15944-01 Evaluation of bladder cancer patients management
- ** P01CA-16127-01 0015 Cancer Research and Treatment Center Program - Preoperative testing in bronchogenic carcinoma (human)

(contd)

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-16127-01 0024 Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
- R26CA-16886-01 National bladder cancer collaborative group A (human)
- NO1CB-23230-02 Provide patient input for primary breast cancer study
- PO1DE-00853-17 0002 Diagnostic and prognostic techniques in cleft palate - Maxillofacial growth project (dogs, tamarins, rats)
- PO1DE-00853-17 0003 Diagnostic and prognostic techniques in cleft palate - Speech physiology project (children, adults)
- PO1DE-02872-05 0024 Craniofacial anomalies - Biostatometrics (children)
- P1SEY-00338-09 0005 A study of macular disease - Evaluation of the macula in rhegmatogenous retinal detachment (human)
- RO1HL-13872-16 0008 Body composition and metabolic care in surgery - Effects of normovolemic hemodilution (human)
- RO1HL-14888-02 Behavioral deficits in post-cardiac surgery patients
- RO1HL-16329-02 Cardiac surgical effects on heart function in infants (human)
- PO1NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
- RO1NS-10551-08 Cancer of the larynx by serial sections (human)
- ** RO2NU-00455-02 Experimental trials of the nursing process (dogs)
- MO1RR-00046-14 0016 General clinical research center - Hemodynamics before-after operation for bleeding esophageal varices (human)
- MO1RR-00056-13 0041 General Clinical Research Center - Pre-and post-operative study of patients with pituitary tumor
- ** MO1RR-00083-12 0039 General clinical research center - Period following removal of aldosterone producing adenoma (human)
- ** MO1RR-00400-06 0052 General clinical research center - adult - Pre-operative chemotherapy of Cushing's syndrome (human)
- MO1RR-00645-03 0062 Clinical research center - Evaluation of hepatic reserve in cirrhosis with esophageal varices (human)
- MO1RR-00828-01 0040 General clinical research center - Glucose metabolism in acid peptic disease before and after surgery (human)
- SURGERY, THORACIC**
SEE ALSO BLOOD AND RE SYSTEM, THYMECTOMY
SEE ALSO HEART SURGERY
SEE ALSO RESPIRATORY SYSTEM SURGERY
- RO1AM-15952-03 Esophageal motility in health and certain diseases (human)
- ** PO2CA-05831-13 0012 Cancer clinical research - Chronic thoracic duct fistula (human)
- RO1CA-14974-01 Prognostic factors in lung cancer
- ** RO1HL-03444-16 0011 Alterations of arterial tissue in atherosclerosis - Fate of homologous thoracic grafts in experimental atherosclerosis (dogs)
- ** RO1HL-04881-15 Gas exchange during anesthesia and thoracic surgery (human, dogs)
- RO1HL-13172-05 Post-trauma mechanics and pulmonary hypertension (human, dogs, monkeys)
- SURGERY IN UTERO**
SEE PREGNANCY, EMBRYO-FETUS SURGERY
- SURGERY STUDY SECTION**
- ** RO1AI-09588-03 Anterior chamber implants and transplantation immunology (rabbits, rats)
- ** RO1AI-10035-04 Lymphocyte depletion for immunosuppression (cattle, sheep)
- ** RO1AI-10095-03 Surgical pathophysiology in gnotobiotic animals (rats, dogs)
- ** RO1AI-10658-02 Induction of unresponsiveness to allografts (dogs)
- ** RO1AM-02150-16 Etiology of peptic ulcer - Role of pepsin (dogs, human, rabbits, rats, cats)
- ** RO1AM-02372-16 Neurohumoral mechanisms influencing gastric function (monkeys, dogs, minipigs)
- ** RO1AM-02723-16 Study of pancreatitis and its treatment
- ** RO1AM-03361-15 Organ survival under experimental conditions (dogs)
- ** RO1AM-04178-14 Pathogenesis of peptic ulcer (swine, dogs, frogs, rabbits)
- ** RO1AM-04993-13 Stimulation of bone formation (dogs)
- ** RO1AM-07055-12 Tissue specificity (mice, rats)
- ** RO1AM-07626-11 Bioelectrical properties of connective tissues (human, amphibians, cattle, rats)
- ** RO1AM-07646-11 Hepatic-splanchnic interrelationships (dogs, rats)
- ** RO1AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
- ** RO1AM-07822-11 Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles)
- ** RO1AM-08879-09 Liver regrowth after excision - Regulation mechanisms (rat, cattle, dog, chicken)
- ** RO1AM-09136-15 Studies in cryobiology (rabbits, turtles)
- ** RO1AM-09743-09 Kinetics of peritoneal dialysis (dogs)
- M RO1AM-10045-08 Urothelial microcontour, function and defenses
- ** RO1AM-11670-06 Serum factor in compensatory renal growth (human, rats, monkeys)
- ** RO1AM-11835-06 Physiology and treatment of gastropneumal incompetence (human, dogs, cats)
- ** RO1AM-12333-08 Studies in gastrointestinal physiology (dogs, human)
- ** RO1AM-12905-06 Gastric antral and fundic blood flow and secretion (dogs, rabbits)
- ** RO1AM-13228-06 Biological effects of auxiliary liver transplants (rats)
- ** RO1AM-13544-04 Physiology and pathology of lower esophageal sphincter (human, dogs)
- ** RO1AM-13812-05 Stimulation of extremity growth by electrical fields (rabbits)
- RO1AM-14047-06 Biological control of scar tissue (rats, dogs)
- RO1AM-14063-03 Quantitation of bone transplant repair (dogs, human)
- RO1AM-14486-04 Biomechanics of hip disease (human)
- ** RO1AM-14563-04 Vagal release of gastrin (cats, rhesus monkeys)
- ** RO1AM-14659-03 Influence of wrist pathomechanics on hand function (human)
- ** RO1AM-14681-04 The role of the ureter in experimental pyelonephritis (monkeys)
- ** RO1AM-14696-03 Organ preservation (dogs)
- ** RO1AM-14737-04 Influence of low modulus elasticity implant on healing (goat)
- RO1AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- ** RO1AM-14945-04 Protective role of urinary immunoglobulins (human, rats, bacteria)
- RO1AM-14964-03 Development of salvage prosthesis for the knee joint (human)
- ** RO1AM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
- RO1AM-15241-04 Surgical studies in gastrin metabolism (human, dogs, rabbits, rats)
- ** RO1AM-15278-01 Study of scoliosis (chickens)
- ** RO1AM-15279-03 Urinary particle scanning in urinary tract disease (dogs, human)
- ** RO1AM-15304-03 Surgical studies on gallstone formation (monkeys)
- ** RO1AM-15417-03 Contractions and emptying of stomach and intestine (dogs)
- RO1AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- ** RO1AM-15478-03 Fixation of fractures with pyrolytic carbon plates (dogs)
- ** RO1AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
- ** RO1AM-15575-03 Biomechanical studies of idiopathic scoliosis (human)
- ** RO1AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
- ** RO1AM-15680-03 Bacterial enzymes in gastrins complicating surgery (human, rabbits)
- ** RO1AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)
- ** RO1AM-15736-03 Physiology of operations for portal hypertension (human, dogs)
- ** RO1AM-15761-03 Metabolism of normal and abnormal physal cartilage (human, dogs)
- ** RO1AM-15762-03 Tendon regeneration and development (chickens, chick embryo, human)
- ** RO1AM-15791-02 Preservation and regeneration of isolated kidneys (dogs)
- RO1AM-15792-03 Electric enhancement of bone healing (human, rabbits)
- ** RO1AM-15821-03 Clinical and biochemical findings in fat embolism (human)
- M RO1AM-15980-02 Hemodynamic factors in fractures and bone disease
- M RO1AM-15986-03 Cirrhosis, ascites and the hepatic circulation
- RO1AM-16011-03 Immunologic adaptation to human renal allografts (human)
- ** RO1AM-16031-02 Quantitative biomechanical study of fracture repair (rabbits)
- ** RO1AM-16047-03 Ureteral pathophysiology (dogs)
- ** RO1AM-16058-03 Failure and repair of bone (cattle, dogs, human, rats)
- ** RO1AM-16067-03 Hydrophilic methacrylates as self-locking implants (dogs, rabbits)
- ** RO1AM-16088-01 Significance of intrarenal flow during preservation (dogs)
- ** RO1AM-16116-01 Pressure distribution across human hip joint
- ** RO1AM-16118-01 An investigation of joint degeneration
- RO1AM-16184-03 Effects of organ storage on renal RNA metabolism (mice)
- M RO1AM-16186-02 Inhibition of scars in tendon and nerve injury
- ** RO1AM-16245-03 Urinary bladder antibacterial defense mechanisms (rats, human, rabbits)
- ** RO1AM-16267-03 Microcirculation and histology of healing bone (dogs)
- ** RO1AM-16270-01 Studies on endochondral growth
- ** RO1AM-16312-01 Methods of managing the neurogenic bladder (mammals)
- ** RO1AM-16391-02 Diurnal variations in cartilage and bone growth (rats)
- M RO1AM-16431-02 Gastritis induced by intestinal juices
- ** RO1AM-16461-01 Prevention of secondary osteoarthritis of the hip (human)
- ** RO1AM-16475-01 System for assessing skeletal health from radiographs
- ** RO1AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
- M RO1AM-16489-02 Control of tissue rejection by zinc
- ** RO1AM-16514-02 Longitudinal study of skeletal status in women
- RO1AM-16520-03 Inhibition of gastric secretion by fat (dogs)
- RO1AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- M RO1AM-16572-02 The heterophile system in renal transplantation
- ** RO1AM-16596-01 Hepatic reticulum cells as surgical immune adjuvants (mice)
- ** RO1AM-16598-01 Dissection of gastric secretory control (miniature pig)
- ** RO1AM-16600-01 In vivo loading on hip and knee joint replacements (human)
- RO1AM-16606-02 Metabolism of osteoarthritic articular cartilage (human)
- ** RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
- ** RO1AM-16659-02 Mechanism of glucose disposition after gastric surgery (human, dogs)
- ** RO1AM-16802-01 A third generation artificial kidney (dogs, cattle, human)
- ** RO1AM-16804-01 Anti-vascular endothelium antibody in transplantation (human)
- ** RO1AM-16830-01 Renal cryopreservation (dogs)
- ** RO1AM-16849-01 Metabolic aspects of long term parenteral nutrition (human)
- M RO1AM-16979-01 Hepatic regeneration
- RO1AM-17022-02 Treatment of hepatic failure (swine, human)
- ** RO1AM-17084-01 Bioassay of hepatic hormonal receptor sites (dogs)
- ** RO1AM-17092-01 Influence of stress on gastric mucosal energy metabolism (rabbits, rats)
- ** RO1AM-17103-01 Humoral control of liver regeneration (rats)
- ** RO1AM-17106-01 Stimulation of fracture healing by direct current (dogs)
- ** RO1AM-17125-01 The secretion of pepsin (dogs)
- ** RO1AM-17158-01 The mixed lymphocyte culture and kidney graft survival
- ** RO1AM-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
- ** RO1AM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- ** RO1AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- RO1AM-17258-01 In vitro culture of articular chondrocytes (human, rabbits)
- ** RO1AM-17260-06 Hepatotrophic factors in splanchnic venous blood (dogs)
- ** RO1AM-17273-01 Human bile acid metabolism and cholesterol gallstones
- ** RO1AM-17362-01 Intestinal absorption after bowel resection (human)
- ** RO1AM-17475-01 The synovial response to acute trauma (rabbits)
- ** RO1AM-17581-01 Studies of pancreas transplantation (rats, hamsters)
- ** RO1AM-17591-01 Mucosal resistance as a factor in gastric diseases (dogs, monkeys)
- ** RO1AM-17789-01 Pancreatitis and its treatment (swine, dogs)
- ** RO1AM-18069-01 An investigation of joint degeneration (rabbits, human)
- RO1CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)
- ** RO1CA-10661-07 Surgical treatment of colo-rectal cancer, new technique (human)
- ** RO1CA-12102-04 Surgical management of the regional lymph node in cancer (mice, hamsters)
- RO1CA-12754-03 Long-term banking of bone marrow for clinical use (human, rodents)
- ** RO1CA-12869-04 Renses breast study (human)
- ** RO1CA-13289-02 Role of regional lymph nodes in cancer surgery (human)
- ** RO1CA-14040-01 Influence of portacaval shunt on tumor growth (rats)
- ** RO1CA-14303-02 Ferromagnetic silicone vascular occlusion in neoplasms (dogs, human)
- ** RO1CA-14380-02 Pancreatic ductal versus duodenal secretions (human)
- ** RO1CA-14972-01 Surgical removal of primary tumors, immunity and metastases (mice)
- ** RO1CA-15202-01 Immunological studies in patients with breast cancer
- ** RO1CA-15385-01 Mechanism of antitumor effect of portacaval shunt (rats)

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- ** R01CA-16201-01 Lung cancer model for surgical research (dogs)
- ** R01CA-16348-01 Reactivity of axillary lymph nodes in breast cancer (human)
- ** R01GM-05428-16 Evaluation of saline solutions in therapy of shock (dogs, rats, primates)
- R01GM-08472-14 Storage of kidney by hypothermia and perfusion (dogs)
- ** R01GM-12748-10 Mechanism of cell damage in severe burns (mice, rats)
- M R01GM-12829-10 Wound healing
- ** R01GM-14659-07 Mechanical properties of tissues (dogs, cats)
- ** R01GM-15320-07 Electrolyte kinetics in surgical patients (human, dogs)
- ** R01GM-16549-06 Post-traumatic changes in extracellular fluid volume (dogs, rats)
- R01GM-16973-05 Biochemical effects of burning on skin (rabbits, mice, human)
- R01GM-17423-04 Studies on shock (rats, bacteria, mice)
- ** R01GM-17959-03 Preservation of organs by freezing (human, rodents, rabbits, frogs)
- ** R01GM-17960-04 Surgical stress and trauma on citrate metabolism (human, dogs, rats)
- M R01GM-17961-04 Body compositional changes in severe trauma
- ** R01GM-18805-03 Wound healing vs tissue regeneration (rabbit)
- ** R01GM-19107-02 The traumatology of the head and spine (human, monkeys)
- R01GM-19328-03 Burn debridement—Chemical, enzymatic, CO₂ laser (human, swine, dogs, rats)
- ** R01GM-19419-03 Bioautofuel cell—Implantable direct energy converter (baboons)
- ** R01GM-19571-02 Metabolism and nutrition in burns and trauma (human, rats)
- ** R01GM-19680-01 Noninvasive evaluation of trauma patients (dogs, monkeys)
- ** R01GM-19714-02 RES and lymphocytic response to trauma (human, monkeys, rabbits)
- R01GM-19930-03 Clinical and experimental shock (human, dogs, rats)
- R01GM-19954-02 Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human)
- R01GM-20085-15 The regulation of electrolyte balance in surgery (human, dogs, rats)
- ** R01GM-20228-01 Human analgesic assay with laboratory pain
- ** R01GM-20298-01 Collagen metabolism in wound repair and keloid (rats)
- ** R01GM-20531-01 Principles of cryopreservation
- ** R01GM-20560-01 Anesthesia and pathways of brain glucose oxidation (cattle)
- R01GM-20630-02 New concepts in parenteral protein sparing therapy (rats, dogs, swine)
- R01GM-20633-02 Cell membrane transport during shock (frogs, human, primates)
- ** R01GM-20667-01 Skin allograft facilitation by prior tissue culture (mice, human)
- ** R01GM-21075-01 Metabolic basis for homeostasis in shock (rats, dogs, monkeys)
- ** R01GM-21178-01 System design study of fluid energy transfer devices (human)
- ** R01GM-21201-01 Anesthesia and electrical activity of the brain (human)
- ** R01GM-21367-01 Materials and components for miniature fiberoptics (human, dogs)
- ** R01GM-21396-01 The role of lysophosphatides in cell injury (rats)
- R01GM-21681-11 Circulation and fluid volumes in burns (rodents, cats, dogs, primates, human)
- ** R01GM-21725-01 Evaluation of saline solutions in therapy of shock (dogs, rats, primates)
- ** R01GM-21748-01 Metabolism and nutrition in burns and trauma (human, rats)
- ** R01HD-02788-08 Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents)
- R01HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
- ** R01HD-04154-06 Shock in infancy—Metabolic and hemodynamic aspects (swine, monkeys)
- ** R01HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
- R01HL-00851-23 Experimental cardiac surgery (human)
- M R01HL-01782-19 Cardiovascular and pulmonary problems
- ** R01HL-02038-20 Experimental and clinical cardiovascular surgery (dogs, cattle)
- ** R01HL-03180-17 Relation of lymphatics to cardiopulmonary function (dogs, human)
- M R01HL-03181-17 Hemodynamics as applied to surgical problems
- ** R01HL-04639-15 Vascular reactivity in surgical care (dogs)
- ** R01HL-04651-15 Remote stimulation by radio-frequency transmission (dogs, human)
- ** R01HL-04881-15 Gas exchange during anesthesia and thoracic surgery (human, dogs)
- ** R01HL-05933-15 Applied pulmonary physiology (human)
- ** R01HL-06163-13 Heart transplantation (dogs)
- ** R01HL-07028-12 Surgical approach to acute coronary thrombosis (dogs)
- R01HL-08325-10 Evaluation of intracardiac prosthesis (human, dogs)
- M R01HL-08696-03 Orthotopic heart transplantation
- M R01HL-08929-10 Surgical vascular disorders
- ** R01HL-09315-11 Coronary insufficiency and myocardial revascularization (human, dogs)
- R01HL-09575-09 Experimental renal arterial hypertension (dogs)
- ** R01HL-09609-09 Lung volume and breathing mechanics during anesthesia (human, dogs)
- ** R01HL-09997-10 Intracardiac valvular prostheses (dogs, human)
- R01HL-10177-09 Continuous monitoring with a small digital computer (human)
- ** R01HL-10416-09 Shock, hepatorenal syndrome, kidney preservation (human, dogs)
- ** R01HL-10781-08 Physiology of human heart lung bypass (dogs)
- ** R01HL-10927-09 Fluid regulation—Volume control (dogs)
- R01HL-10935-06 Vasopressor action during hemorrhage and hyponatremia (human, dogs)
- R01HL-10937-07 Microembolic encephalopathy after heart-lung bypass (dogs)
- R01HL-10981-06 Cryopreservation of cardiac muscle and whole hearts (frogs, rats)
- R01HL-11379-06 Blood vessel replacement—Development and screening (human, dogs)
- R01HL-11391-07 Experimental basis for shock therapy (rats, human)
- ** R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
- M R01HL-11668-07 Cineangiographic studies of the cardiovascular system
- ** R01HL-11730-06 Lung homotransplantation (dogs)
- R01HL-11802-07 Cardiovascular surgical research (dogs)
- M R01HL-11901-07 Iliac bypass effect on cholesterol and atherosclerosis
- ** R01HL-11919-07 Pulmonary circulation in surgical heart disease (human, dogs)
- R01HL-11945-07 Synthesis of artificial lung and kidney systems (dogs, sheep)
- ** R01HL-12202-06 Flow analyses for heart valves and vascular systems (computer graphics)
- ** R01HL-12278-06 Surgical aspects of shock and hypoxia (rats, dogs)
- ** R01HL-12307-04 Therapy of congenital heart disease (human, dogs)
- R01HL-12322-06 Extrinsic factors influencing myocardial performance (dogs)
- ** R01HL-12419-06 Surgical cardiovascular problems (animals)
- ** R01HL-12777-05 Mechanisms in cardiac performance (dogs, cats)
- R01HL-12794-03 Atherogenesis in vascular grafts (dogs, monkeys)
- ** R01HL-12808-05 Steroid therapy in septic shock (baboon, simulus)
- ** R01HL-12839-05 Degradation of blood in artificial organs (rats, dogs, rabbits, human)
- ** R01HL-12850-05 Heart transplantation and antilymphocytic serum treatment (rodents, ungulate)
- R01HL-13088-05 Surgical aspects of myocardial hypertrophy (dogs)
- ** R01HL-13172-05 Post-trauma mechanics and pulmonary hypertension (human, dogs, monkeys)
- ** R01HL-13193-05 Pathophysiology of post-traumatic and shock states (dogs, rats)
- R01HL-13257-05 Inhalation anesthesia on myocardial metabolism (dogs, human, rats)
- ** R01HL-13341-04 Lymph—An indicator of splanchnic tissue respiration (dogs, human)
- ** R01HL-13426-04 Left ventricular bypass for myocardial infarction (cattle)
- ** R01HL-13466-04 Pulmonary platelets in shock, trauma and embolization
- ** R01HL-13488-03 Prolonged left heart bypass without anticoagulation (dogs)
- ** R01HL-13572-03 Cellular and humoral reactions in transplantation (rabbits)
- R01HL-13658-03 Stand-by automatic implanted defibrillation system (dogs)
- ** R01HL-13704-02 Closed-chest left heart bypass without heparin (sheep)
- ** R01HL-13712-02 Promotion of a viable antithrombotic interface (dogs)
- ** R01HL-13754-04 Postoperative thromboembolism in surgical patients (human)
- ** R01HL-13803-04 Development of a trileaflet aortic valve prosthesis (baboons, human)
- ** R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
- M R01HL-13872-16 Body composition and metabolic care in surgery
- R01HL-13920-03 Expanding the role of surgery of atrial dysrhythmias (dogs)
- ** R01HL-13965-03 Degradation of blood by biomaterials in a shearfield (dogs)
- ** R01HL-13987-04 Transplantation of the lung (dogs)
- R01HL-13988-04 Elimination of reoperative cardiac pacemaker surgery (dogs)
- R01HL-13999-02 Integrated heart valve implant investigation (dogs, human)
- ** R01HL-14026-03 Heart tracking—Non-invasive measure of contractility (human)
- ** R01HL-14053-03 Cardiovascular determinants of catecholamine release (dogs)
- ** R01HL-14126-13 Effect of function on grafts and implants of collagen (dogs)
- ** R01HL-14267-04 Evaluation of rejection of cardiac transplants (dogs, mice)
- ** R01HL-14294-03 Thermal effects at biomaterials interfaces (dogs)
- ** R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
- ** R01HL-14378-03 Lipemias and reconstructive cardiac surgery (human)
- R01HL-14455-03 Cardiac allotransplantation (dogs)
- R01HL-14522-03 Intravasation of fat from bone marrow cavity (rabbits, rats)
- ** R01HL-14530-04 Fluid dynamics of cardiac valvular action (dogs)
- ** R01HL-14622-02 Late patency and flow studies for aortocoronary grafts (human)
- ** R01HL-14623-02 Multiphase chemistry of human heart muscle (and dogs)
- ** R01HL-14644-03 Optimization diastolic augmentation and systolic sink (dogs)
- ** R01HL-14733-02 Artificial heart and related problems (cattle)
- ** R01HL-14786-03 Polyurethane ionomers for biomedical applications (dogs)
- ** R01HL-14799-03 Heart transplantation—Immunologic and physiologic studies (rats, dogs, mice)
- ** R01HL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
- ** R01HL-14901-02 Experimental pulmonary transplantation (baboons)
- ** R01HL-14902-03 Evaluation of synchronous assistance (dogs, human)
- R01HL-14969-01 Post-traumatic pulmonary insufficiency (dogs)
- ** R01HL-15183-01 Surgery with assisted and total bypass—Blood changes (human, dogs)
- R01HL-15239-01 Growth in vascular grafts (dogs, cattle)
- ** R01HL-15246-01 Lung allotransplantation (baboon)
- ** R01HL-15247-02 Extending the life of implanted pacemakers (dogs)
- ** R01HL-15257-02 Attainment of optimal healing of arterial prosthesis (baboon, dogs, human)
- ** R01HL-15365-02 Treatment of post surgical vasoconstriction (dogs, cats, monkeys)
- ** R01HL-15439-02 Minimally-invasive stimulation with implanted diode (dogs)
- M R01HL-15448-02 Surgical and metabolic aspects of venous grafts
- ** R01HL-15459-01 Intraventricular balloon cardiac assist (calves)
- ** R01HL-15496-01 Cardiac dynamics in experimental cardiogenic shock (dogs)
- ** R01HL-15520-02 Total blood replacement by fluorocarbons and polyols (rats, monkeys)
- M R01HL-15593-02 Prolonged extracorporeal cardiopulmonary support
- M R01HL-15668-02 Extracorporeal respiratory gas exchange—New approach
- ** R01HL-15676-02 The role of occult myocardial failure in human shock
- ** R01HL-15682-01 Development of antithrombotic membrane oxygenators (dogs, human)
- R01HL-15737-02 The nature and treatment of endotoxic shock (sheep)
- R01HL-15738-02 Subendocardial necrosis during cardiopulmonary bypass (dogs)
- R01HL-15779-01 Aspiration pneumonia—Pathophysiology and treatment (dogs)
- R01HL-15788-01 Non-invasive evaluation of cardiac function (human)
- R01HL-15813-01 Cardiac anoxia—Protective effect of carbohydrate (dogs)
- ** R01HL-15873-02 Respiratory assist (human, dogs, cattle, sheep)
- ** R01HL-15877-01 Recovery of lung function following oxygen poisoning (dogs)
- R01HL-15911-02 A new technique for correction of transposition (cattle, dogs)
- R01HL-15912-02 Pulmonary mechanics before and after resection of bullae (human)
- ** R01HL-15919-01 Blood protein interactions at foreign surfaces
- R01HL-16119-01 Marrow allografts in hereditarily anemic recipients (mice)
- R01HL-16148-01 Neural control of renal function (dogs)
- R01HL-16154-01 Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human)
- R01HL-16182-01 Xylocaine—Chronic infusion and toxicity (dogs)
- ** R01HL-16246-01 Immunologic studies in postpericardiotomy syndrome

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01HL-16269-01 Prolonged pulseless total body perfusion (calves)
 ** R01HL-16290-01 Intimal fibroplasia after arterial reconstructions (dogs)
 M R01HL-16292-01 Surgery and non-obstructive coronary insufficiency
 R01HL-16329-02 Cardiac surgical effects on heart function in infants (human)
 ** R01HL-16354-01 Hemodynamic effects of aortic balloon pumping (dogs)
 ** R01HL-16389-01 Development of prosthetic heart valves for children (monkeys, dogs)
 ** R01HL-16476-01 Experimental lung transplantation (dogs, foms)
 ** R01HL-16498-01 Physiological effect of extracorporeal oxygenation (calves)
 ** R01HL-16550-01 Blood flow during experimental cardiogenic shock (monkeys)
 ** R01HL-16582-01 Artificial lungs (dogs, monkeys)
 ** R01HL-16595-01 Liquid membrane blood oxygenation (dogs)
 ** R01HL-16616-01 Physiology of perfusion hypothermia in newborn (human, lambs, dogs, monkeys)
 ** R01HL-16682-01 Infection in peripheral vascular prosthetic grafts (dogs)
 ** R01HL-16700-01 Centrifugal fluorocarbon blood oxygenation (dogs)
 ** R01HL-16898-01 Bi feasibility of total prosthetic lung replacement (dogs, sheep)
 ** R01HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)
 ** R01HL-16935-01 Tissue organization and turnover in the aortic valve (human, rodents, ungulates)
 ** R01HL-16938-01 Effect of physical forces on blood (dogs, baboons, human)
 R01HL-17091-01 Anesthetics and microvascular response to hemorrhage (bats, rats)
 ** R01HL-17281-01 Heart-powered implantable pacemaker (animals, dogs)
 ** R01HL-17692-01 A heart-powered miniature implantable pacemaker (dogs, chimpanzees, rabbits)

SURGICAL ADHESIVES

SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

- R01AM-15240-01 Improvements in the use of acrylic cement
 R01AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
 P13DE-02668-08 0023 Dental research center - Biomaterials (human)
 R01EY-00210-14 Physiologic studies of the living cornea in vitro (human, rabbits)
 ** R01EY-00327-09 Synthetic hydrophilic polymers for eye surgery (rabbits, cattle)
 R02NU-00473-02 Evaluation of dry surface electrodes (human)

SURGICAL DIATHERMY

SEE THERAPY, CAUTERY, ELECTROCAUTERY

SURGICAL SUTURES

- R01GM-14659-07 Mechanical properties of tissues (dogs, cats)

SURGICAL WOUND INFECTION

SEE INJURIES, SURGICAL WOUND INFECTION

SURGICAL WOUNDS

SEE INJURIES, SURGICAL WOUNDS

SURVEYS, DENTAL (HEALTH)

SEE POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

SURVEYS, HEALTH

SEE POPULATION SURVEYS, HEALTH SURVEYS

SURVEYS, POPULATION

SEE POPULATION SURVEYS

SUSPENSIONS (DOSAGE FORM)

SEE DOSAGE FORMS

SUSPENSIONS (PHYSICAL CHEMISTRY)

SEE PHYSICAL PROPERTIES, SUSPENSIONS

SUSTAINED RELEASE PREPARATIONS

SEE DOSAGE FORMS

SUTURES

SEE SKELETAL SYSTEM, SKULL, CRANIAL SUTURES
 SEE SURGICAL SUTURES

SUXAMETHONIUM SENSITIVITY

SEE METABOLIC DISORDERS INBORN, PSEUDOCHOLINESTERASE DEFICIENCY

SV40 VIRUS

SEE VIRUSES, PAPAPOVIRUSES, SV40 VIRUS

SWALLOWING

SEE GASTROINTESTINAL FUNCTION, DEGLUTITION

SWEAT

SEE SKIN SECRETIONS, SWEAT

SWEAT GLAND DISORDERS

SEE SKIN DISORDERS, SWEAT GLAND

SWEAT GLANDS

SEE SKIN, SWEAT GLANDS

SWEETENING AGENTS

- ** P02CA-12197-03 0010 Multidisciplinary oncology research center - Excretion and metabolism of sodium cyclamate in humans
 P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
 ** R26CA-14241-02 Artificial sweeteners in bladder cancer (human)
 R26CA-16768-01 International bladder cancer study- Planning phase (human)
 ** R01FD-00590-01 Peptide-based sweetening agents
 R01HD-02761-07 Growth and development of adipose tissue (rats, mice)
 ** M01RR-00076-12 0030 General clinical research center - Quantity of APM used to sweeten food in obesity (human)
 ** M01RR-00229-09 0045 General clinical research center - Effects of sweetening agents on insulin release (human)

SWIMBLADDER (FISH)

SEE FISH, SWIMBLADDER*

SWINE

SEE MAMMALS, UNGULATES, SWINE*

SWINE ERYSIPELAS

SEE BACTERIAL DISEASES, ERYSIPELAS SWINE

SWINE FEVER VIRUS

SEE VIRUSES, PICORNAVIRUSES, HOG CHOLERA VIRUS

SWINE INFLUENZA

SEE VIRUS DISEASES, MYXOVIRUS, INFLUENZA, SWINE

SWINE, MINIATURE

SEE MAMMALS, UNGULATES, SWINE MINIATURE*

SWITZERLAND

SEE GEOGRAPHICAL SITES, EUROPE, SWITZERLAND

SYDENHAM'S CHOREA

SEE NEUROMOTOR DISORDERS, CHOREA MINOR

SYMBIOSIS

SEE ENVIRONMENT, ECOLOGY ORGANISMS, SYMBIOSIS

SYMBOLISM (INFORMATION AND COMMUNICATION BEHAVIOR)

SEE INFORMATION-COMMUNICATION BEHAVIOR, SYMBOLISM

SYMBOLISM (SOCIOCULTURE)

SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE, SYMBOLISM

SYMPATHECTOMY

SEE NEUROSURGERY, SYMPATHECTOMY

SYMPATHETIC BLOCK

SEE SENSORY DEPRESSION, ANESTHESIA CONDUCTION, AUTONOMIC BLOCK, ADRENERGIC

SYMPATHETIC GANGLIA

SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA

SYMPATHETIC NERVOUS SYSTEM

SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM

SYMPATHOLYTIC AGENTS

SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOLYTIC

SYMPATHOMIMETIC AGENTS

SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC

SYMPOSIA

SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

SYNAPSES

SEE NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES

SYNAPTIC RECEPTORS

SEE DRUGS RECEPTORS, SYNAPTIC RECEPTORS

SYNAPTIC VESICLES

SEE NERVOUS SYSTEM, NERVE ENDINGS, SYNAPTIC VESICLES

SYNAPTOSOMES

SEE NERVOUS SYSTEM, NERVE ENDINGS, SYNAPTOSOMES

SYNCHRONOUS CELL DIVISION

SEE CELL DIVISION, SYNCHRONOUS CELL DIVISION

SYNCOPE

SEE NEUROLOGIC MANIFESTATIONS, SYNCOPE

SYNERGISM

SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
 SEE DRUGS INTERACTION
 SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

SYNOSTOSES, CRANIAL

SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOSYNOSTOSES

SYNOVECTOMY

SEE SKELETAL DISORDERS, ORTHOPEDICS, SYNOVECTOMY

SYNOVIAL FLUID

SEE SKELETAL SYSTEM, SYNOVIAL FLUID

SYNOVIAL MEMBRANE

SEE SKELETAL SYSTEM, SYNOVIAL MEMBRANE

SYNOVIAL NEOPLASMS

SEE SKELETAL NEOPLASMS, SYNOVIAL

SYNOVITIS

SEE SKELETAL DISORDERS, SYNOVITIS

SYNTHESIS (ORGANIC)

SEE CHEMICAL SYNTHESIS

SYNTHESIS OF DRUGS

SEE DRUGS SYNTHESIS

SYNTHETASES

SEE LIGASES

SYNTHETIC ANTIGENS

SEE IMMUNOLOGY, ANTIGENS SYNTHETIC

SYNTHETIC ENZYMES

SEE ENZYMES, UNNATURAL ENZYMES

SYNTHETIC FOODS

SEE FOOD SCIENCES AND TECHNOLOGY, SYNTHETIC FOODS

SYNTHETIC LETHALS

SEE GENETICS, GENES, GENE EXPRESSION, LETHALS

SYNTHETIC TUMOR ANTIGENS

SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIGENS, SYNTHETIC

SYPHILIS

SEE SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS, SYPHILIS

SYPHILIS VACCINE

SEE VACCINES, SYPHILIS VACCINES

SYSTEMATIC BIOLOGY

SEE BIOLOGY, SYSTEMATIC

SYSTEMS ANALYSIS

SEE INFORMATION AND COMMUNICATION, SYSTEMS ANALYSIS

2,4,5-T

SEE PHENOXYACETIC ACIDS, 2,4,5-T

TABLETS

SEE DOSAGE FORMS

TACE

SEE STILBENES, CHLOROTRIAMISENE

TACHISTOSCOPE

SEE EYE EXAMINATIONS, VISION TESTS, TACHISTOSCOPE*

TACHYCARDIA

SEE HEART DISORDERS, ARRHYTHMIA, TACHYCARDIA

TACHYPHYLAXIS

SEE DRUGS TACHYPHYLAXIS

TACTILE PERCEPTION

SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TACTILE VISION SUBSTITUTION SYSTEM FOR THE BLIND

SEE EYE DISORDERS, AIDS FOR THE BLIND, SUBSTITUTE SIGHT

TAENIA

SEE HELMINTHS, CESTODES, TAENIA

TAIWAN

SEE GEOGRAPHICAL SITES, ASIA EASTERN, TAIWAN

TAME (TOSYLARGININE METHYL ESTER)

SEE DIAMINO ACIDS, TAME

TAMPONADE, CARDIAC

SEE HEART DISORDERS, CARDIAC TAMPONADE

TANGIER DISEASE

SEE METABOLIC DISORDERS INBORN, HYPOLIPOPROTEINEMIAS FAMILIAL, TANGIER DISEASE

TANNIC ACID

SEE PLANTS EXTRACTS, TANNINS

TANNING AGENTS FOR TISSUE STRENGTHENING

SEE TISSUE STRENGTHENING AGENTS

TANNINS

SEE PLANTS EXTRACTS, TANNINS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

TANTALUM

SEE METALS, HEAVY METALS, TANTALUM

TAPETUM LUCIDUM

SEE EYE, CHOROID, TAPETUM LUCIDUM

TAPPING

SEE BODY FLUID BALANCE THERAPY, PARACENTESIS

TARICHATOXIN

SEE TOXICOLOGY, ANIMAL POISONS, TETRODOTOXIN

TARTARIC ACID

SEE SUGAR ACIDS, TARTARIC ACIDS

TASTE

SEE SENSORY-PERCEPTUAL PROCESSES, TASTE

TASTE DISORDERS

SEE SENSORY-PERCEPTUAL DISORDERS, TASTE DISORDERS

TASTE THRESHOLD

SEE SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD

TAT

SEE PSYCHOLOGICAL TESTS, THEMATIC APPERCEPTION TEST*

TAURINE

SEE AMINOSULFONIC ACIDS, TAURINE

TAUTOMERISM

SEE CHEMICAL STRUCTURE, ISOMERS, TAUTOMERISM

TAXONOMY

SEE BIOLOGY, SYSTEMATIC

TAY-SACHS DISEASE

SEE METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, GANGLIOSIDE GM2 TYPE I

TDE

SEE PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, DDD

TEA

SEE FOOD, BEVERAGES, TEA

TEACHING

SEE EDUCATION, TEACHING

TEACHING MACHINES

SEE EDUCATION, PROGRAMMED INSTRUCTION, TEACHING MACHINES

TEARS

SEE EYE, TEARS

TECHNETIUM 99

SEE RADIOISOTOPES, TECHNETIUM 99

TECHNETIUM RADIOLABELED

SEE RADIOLABELED TECHNETIUM*

TECHNICAL WRITING

SEE INFORMATION DISSEMINATION, TECHNICAL WRITING

TECTUM VISUAL

SEE BRAIN, MESENCEPHALON, COLLICULUS SUPERIOR

TEETH

SEE DENTAL STRUCTURE, TOOTH

TEFLON

SEE PLASTICS, FLUOROCARBON POLYMERS

TEGMENTUM OF MESENCEPHALON

SEE BRAIN, MESENCEPHALON, TEGMENTUM

TEGRETOL

SEE AZEPINES, CARBAMAZEPINE

TEICHOIC ACID

SEE POLYSACCHARIDES, TEICHOIC ACID

TELANGIECTASIA, ATAXIC

SEE BRAIN DISORDERS, CEREBELLAR DEGENERATION HEREDITARY, ATAXIA TELANGIECTASIA

TELANGIECTASIA HEREDITARY HEMORRHAGIC

SEE METABOLIC DISORDERS INBORN, TELANGIECTASIA HEREDITARY HEMORRHAGIC

TELANGIECTASIAS

SEE CARDIOVASCULAR DISORDERS, TELANGIECTASIAS

TELECOMMUNICATIONS

SEE INFORMATION AND COMMUNICATION, TELECOMMUNICATIONS

TELE(RADIOFREQUENCY)ELECTRONIC STIMULATORS

SEE ELECTRONIC STIMULATORS, RADIOFREQUENCY CONTROLLED

TELEMEDICINE (GENERAL)

SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMEDICINE (GENERAL)

TELEMETERING

SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING

TELENCEPHALIC LEUKOENCEPHALOPATHY PERINATAL

SEE NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHY TELENCEPHALIC

TELENCEPHALON

SEE BRAIN, CEREBRUM

TELEPHY

SEE PSYCHOLOGY, PARAPSYCHOLOGY

TELEPAQUE

SEE RADIOGRAPHY, CONTRAST MEDIA, TRIIODOCINNAMATE*

TELERADIOGRAPHY

SEE RADIOGRAPHY, Teleradiography*

TELETHERAPY (RADIATION)

SEE RADIATION THERAPY, TELETHERAPY

TELETYPEWRITERS

SEE INFORMATION DISPLAY, REACTIVE TYPEWRITERS

TELEVISION

SEE INFORMATION DISSEMINATION, TELEVISION

TELEVISION MICROSCOPY

SEE OPTICS, MICROSCOPY, TELEVISION*

TELEVISION RADARKYMOGRAPHY

SEE CARDIOVASCULAR VISUALIZATION, RADARKYMOGRAPHY*

TELEVIZED (COLOR) ACTASCAN

SEE RADIOGRAPHY, ACTASCAN*

TELLURIUM (COMPOUNDS)

SEE METALS, METALLOIDS, TELLURIUM

TEM

SEE AZIRIDINES, TEM

TEMPERAMENT

SEE PSYCHOLOGY, PERSONALITY

TEMPERATURE (SEE ALSO THERM...)

SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

- R01AI-07533-08 Growth at low temperatures-
Bacteriophage
- R22AI-08252-05 Genetic and related interactions in
mycobacteria
- R01AI-09591-04 Ecology and sensory physiology of ticks
(birds)
- R01AI-09829-05 Unsaturated fatty acid biosynthesis in
bacilli
- N01AI-42509-01 Evaluation of influenza temperature
sensitive mutants
- R01AM-08893-10 Mechanisms responsible for ligamentous
strength (animals)
- R01AM-12653-06 Transport of vitamin B12
(microorganisms)
- R01AM-16088-01 Significance of intrarenal flow during
preservation (dogs)
- R01AM-16153-03 Mechanism of termination of calcium
mediated secretion (cows)
- R01AM-16184-03 Effects of organ storage on renal RNA
metabolism (mice)
- R01AM-17793-04 Relation of potassium, metabolism,
hormones to cell pH (rats)
- R01CA-08416-09 Control of transcription and translation
in mammalian cells
- P01CA-10815-06 0042 Consolidated basic cancer research
program - Phylogenetic limits of oncogenesis (mammals,
birds, reptiles, fish, insects)
- R01CA-11647-05 The replication of viruses
- R01CA-11893-05 Cellular and viral control of oncogenic
transformation (mice, hamsters)
- R01CA-11901-04 Pathology of tumorigenesis in developing
embryos (frogs)
- P01CA-12174-04 0023 Growth and cell control processes -
Metabolism in insect cells
- ** P02CA-12197-03 0009 Multidisciplinary oncology research
center - Viruses associated with amphibian neoplasms
- ** P02CA-12197-03 0022 Multidisciplinary oncology research
center - Thermoregulation of animal virus-cell interaction
(frogs)
- R01CA-13625-03 0001 Myeloma tumors in cell culture -
Loss of oncogenicity (mice)
- R01CA-13992-02 0006 Surface membranes of normal and
cancer cells - Disc gel electrophoresis
- R01CA-14384-02 Rotating frame relaxation in malignant
mice tissue
- R01CA-14630-02 Turnover of ribosomal RNA in virus
transformed cells
- ** N01CP-23303-04 Temperature sensitive mutants in vitro
carcinogenesis
- N01CP-43298-00 Regulatory proteins in oncogenic viruses
- P01DE-02111-10 0002 Synthetic and natural dental
materials - Adsorption and corrosion studies
- R01DE-02455-08 Constitution diagrams for alloys of the
noble metals

- ** R01DE-02771-06 Thermal aspects of dental restorative
procedures
- P10ES-00260-12 0013 Research in the environmental
health sciences - Radiocesium in the Hudson River estuary
(fish)
- ** R01ES-01041-01 0009 Photosensitivity - Contact
photoallergy and temperature and humidity (mice)
- R01EY-00704-04 Biochemical and biophysical
investigation of rhodopsin
- R01EY-01230-01 Physiology of visual pigment (fishes)
- P01GM-15430-07 0008 Research in anesthesia - Calcium
studies (human)
- P01GM-15991-06 0019 Anesthesia research center - Action
of anesthetic agents on synaptic and junctional
transmission (rats, human)
- R01GM-17132-05 Biochemical genetics of microtubules
(algae)
- R01GM-18831-03 DNA maintenance systems (fungi)
- ** R01GM-18835-03 Genetics and biochemistry of somatic
cells (hamsters)
- R01GM-19851-02 Genetic control of development
(nematodes)
- R01GM-20103-01 Analysis of a mutator gene in *Drosophila*
melanogaster
- R01GM-20393-01 Genetic control of temperature
acclimatization in insects (*Drosophila*)
- R01GM-20401-02 Genetic control of development
(*Drosophila*)
- R01GM-20550-02 Radiation damage above 1 MEV in
biological EM
- R01HD-03521-06 tRNA and the differential control of RNA
synthesis (bacteria)
- P01HD-06644-03 0001 Aging in a nematode model system
- Culture center
- R01HD-08485-01 Mutational study of ciliate development
- R01HL-03693-15 Anaphylaxis in the isolated heart
(rabbits, guinea pigs)
- R01HL-08359-10 Morphopharmacology of vascular
adrenergic transmission (rabbits, rats)
- R01HL-13810-03 Simultaneous measurement of cell pH by
two methods (rats)
- P17HL-14201-04 0003 Pulmonary disease research center
- Factors influencing pulmonary blood flow in infants
(human)
- P17HL-14217-04 0015 Specialized center of research in
thrombosis - Pharmacological studies on platelet and
vascular smooth muscle
- R01HL-14806-15 Regulation of oxygen use by mammalian
skeletal muscle (dogs)
- R01HL-14854-02 Lung and tissue mechanics (mice,
guinea pigs)
- P18HL-15166-03 0001 Comprehensive sickle cell disease
center - Mechanism of erythrocyte sickling (human)
- P01HL-15194-02 0016 Pathophysiology of cardiopulmonary
dysfunction - Kinetics of the reactions of indocyanine green
- R01HL-15266-02 Evaluation and synthesis of lung
surfactant (human, animals, rabbits)
- P01HL-15835-01 0011 Pennsylvania Muscle Institute -
Energetics and mechanism of muscle contraction (frogs,
rabbits)
- P01HL-15835-01 0012 Pennsylvania Muscle Institute -
Contraction and energetics of visceral and vascular smooth
muscles (rabbits)
- R01HL-16239-01 Carotid body control of ventilation (cats)
- R01HL-16644-01 Left ventricular volume measurement by
thermodilution (dogs)
- P01HL-16833-01 0003 Hemoglobin and red cell system in
hemoglobinopathies - Oxygen binding curves and equilibria
- R01MH-13958-07 Brain mechanisms related to feeding
behavior (cats)
- R03MH-25947-01 Seasonal effects on reproductive states
- R01MH-26251-01 CNS regulation of eating and drinking
behavior (rats)
- P01NS-02808-13 0022 Special clinical research project in
neurophysiology - Metabolic changes in epileptogenic
tissues in interictal and ictal states (human)
- R01NS-05910-08 Cell physiology correlated with
ultrastructure (crayfish)
- R01NS-06855-08 Mode of action of insecticides-
electrophysiological (crayfish, squid, frogs)
- P01NS-07463-04 0002 Cerebrovascular research center -
Biochemical and ultrastructural studies (guinea pigs,
gerbils)
- R01NS-10033-04 Neural membrane activity-Related
structural changes (snails)
- R01NS-10277-02 Mechanisms of variable synaptic efficacy
(frogs)
- R01NS-10417-02 Basic causes of nerve-muscle excitability
dysfunction (human, rats, mice)
- R02NU-00444-02 Nursing care in prevention of bed sores
- M01RR-00095-14 0066 General clinical research center -
Temperature changes in TSH suppressibility in
hypothyroidism (human)
- TEMPERATURE, COLD**
SEE ALSO BLOOD COAGULATION, CRYOFIBRINOGEN
SEE ALSO ENVIRONMENT, CLIMATE, COLD
SEE ALSO ENVIRONMENT, STRESS, COLD INDUCED
SEE ALSO GLOBULINS, CRYOGLOBULINS
SEE ALSO INJURIES, TEMPERATURE DEPENDENT, COLD
INDUCED
SEE ALSO TEMPERATURE (BODY), HYPOTHERMIA

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- SEE ALSO TEMPERATURE OPTIMA, PSYCHROPHILES
- NOIAI-90092-09 Filariasis chemotherapy and repository-research services
- ROIAM-08311-10 Obesity and physiological response to environment (human)
- ** ROIAM-14715-04 Scleroderma-Systemic sclerosis (human)
- ROIAM-15810-03 Studies of thyroid hormone metabolism (human)
- ROIAM-16153-03 Mechanism of termination of calcium mediated secretion (cows)
- POICA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poikilothermic vertebrate cells or viruses
- POIES-00354-07 0004 Human responses to thermal environment - Thermal psychophysics and human behavioral thermoregulation
- ROIHL-14350-02 Venous flow velocity, venous volume, and blood flow (human)
- ** RO3MH-24534-01 Dynamics of warmth and cold (human)
- ROINS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
- ROINS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
- ** MOIRR-00051-13 0103 General clinical research center - Familial cold urticaria (human)
- TEMPERATURE, COLD, REFRIGERANTS, FLUOROHYDROCARBON**
- ROIHL-14412-03 Cardiac toxicity of aerosol propellants (human, mammals)
- TEMPERATURE, CRYOPROTECTIVE AGENTS**
- ROIAM-03361-15 Organ survival under experimental conditions (dogs)
- ROIAM-09136-15 Studies in cryobiology (rabbits, turtles)
- ROIAM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- ROIAM-16830-01 Renal cryopreservation (dogs)
- ROIAM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- ROIAM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- PO2CA-06516-12 0021 Cancer center support grant-Comprehensive - Cryopreservation of human lymphoid and tumor cells
- PO2CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)
- ** ROICA-12754-03 Long-term banking of bone marrow for clinical use (human, rodents)
- ** ROICA-15411-01 Cryopreservation of human marrow
- ** ROIGM-08472-14 Storage of kidney by hypothermia and perfusion (dogs)
- ** ROIGM-17959-03 Preservation of organs by freezing (human, rodents, rabbits, frogs)
- ** ROIGM-21127-01 Serum glycoproteins as cryoprotective agents (antarctic fish)
- NOIHB-42951-00 Preservation of granulocytes for transfusion
- ROIHD-07632-01 Freeze drying of nucleated mammalian cells (cattle)
- ** POIHL-06312-13 0033 Surgical cardiology - Organ preservation-Cryopreservation (dogs, rats)
- POIHL-09011-11 0004 A research and resource program in blood - Cryobiology (human, primates)
- ** ROIHL-10981-06 Cryopreservation of cardiac muscle and whole hearts (frogs, rats)
- ** ROIHL-11047-08 Platelet preservation and physiology (human)
- ** POIHL-14322-03 0008 Interdisciplinary program in biomaterials science - Fundamentals of freezing and thawing processes in human blood elements
- ROIHL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
- ** POINS-10299-03 0018 Biophysical and biochemical studies of cellular membranes - Low temperatures and cryoprotective agents on myelin and retinal rod structure
- TEMPERATURE, CRYOSCENCES**
- SEE ALSO TEMPERATURE (BODY), HYPOTHERMIA INDUCED, CRYOSURGERY
- SEE ALSO TEMPERATURE (BODY), HYPOTHERMIA INDUCED, CRYOTHERAPY
- ROIAM-09136-15 Studies in cryobiology (rabbits, turtles)
- ROIAM-11766-06 Immunological mechanisms in rheumatic diseases (rats, human, rabbits, mice)
- PO2AM-13083-06 0102 Organ transplantation - Organ preservation (dogs)
- ROIAM-14218-05 Donor selection in clinical organ transplantation (human)
- ROIAM-16830-01 Renal cryopreservation (dogs)
- ROIAM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- ** PO2CA-06516-12 0021 Cancer center support grant-Comprehensive - Cryopreservation of human lymphoid and tumor cells
- RI0CA-08855-08 Procurement of fresh blood platelets for clinical use (human, rats)
- RI0CA-08859-08 Leukemia center (platelets) program-SWG
- RI0CA-12190-04 Leukemia center-platelet program
- PO2CA-12247-03 0029 Pediatric oncology center - Platelet preservation
- ROICA-15318-01 Neutrophil-specific antigen (human)
- R26CA-16430-01 Carcinoma of the prostate (human)
- R26CA-16764-01 Carcinoma of the colon (human)
- NO1CB-23886-02 Facility for supplying immune related cell lines (mice)
- NO1CB-43885-00 Improvement of assays for cell-mediated immunity
- NO1CM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
- ** NO1CP-33201-01 Maintenance of low-temperature repository for cell lines from human tumors
- POEY-00446-06 0005 External ocular disease center - Keratoplasty and corneal preservation (human)
- ROIEY-00625-03 Electron microscopy of stored and preserved corneas (human, rabbits)
- ROIEY-01302-01 The role of HLA antigens in corneal transplantation (human)
- ROIEY-01324-01 Congenital glaucoma pathogenesis, diagnosis, therapy (human, primates)
- PO1GM-13543-09 0001 Cellular and molecular pathology - Replicative life-span of human fibroblasts (human, animals)
- PO1GM-16436-06 0033 Bioengineering program project - Microwave heating (human)
- ** ROIGM-20531-01 Principles of cryopreservation
- ** NO1NB-42925-00 Assuring clinical safety of frozen-thawed red cells
- ** NO1NB-42950-00 Preservation of granulocytes for transfusion (human, rats)
- ** NO1NB-42952-00 Cryopreservation of granulocytes
- ROIHD-00122-10 Comparative biochemistry of proteins (human, animals)
- ** ROIHD-04004-06 0002 Programmed senescence in cultured human cells - Longevity of WI-38 at 196°C and the effect of cryogenic storage on phase III
- ** POIHL-09011-11 0004 A research and resource program in blood - Cryobiology (human, primates)
- POIHL-14322-03 0007 Interdisciplinary program in biomaterials science - Study of heat transfer processes in biologic materials (animals)
- POIHL-14322-03 0008 Interdisciplinary program in biomaterials science - Fundamentals of freezing and thawing processes in human blood elements
- ROINS-09693-04 Ultrastructural aspects of injured cerebral cortex (cats)
- TEMPERATURE, CRYOSTAT***
- ROIEM-12873-10 Biomolecular structure by electron microscopy
- ROIEM-18869-03 Mechanism of superoxide dismutase (cattle)
- TEMPERATURE, FREEZE-DRYING***
- ** NOIAI-32508-03 Freeze-drying of typing sera
- NOIAI-42515-01 Processing and packaging research reagents
- ** ROIFD-00149-12 Sanitation of freeze-dried foods (bacteria)
- ** ROIEM-14237-09 Electron microscopy of macromolecular systems (mammals, E coli)
- ** ROIHD-07632-01 Freeze drying of nucleated mammalian cells (cattle)
- ROINS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- TEMPERATURE, FREEZE-ETCHING***
- ROICA-10844-06 Comparative histogenesis of hair and squamate skin (reptiles, cyclostomes, mice)
- ROICA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
- ** ROIGM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)
- ROIGM-20396-02 Organization of normal and transformed cell membranes
- ** POIHD-05875-04 0005 Aging mechanisms of in vitro human cell systems - Freeze-cleavage and etching (WI-38)
- ** P17HL-14230-04 0030 Lipids, atherosclerosis and thrombosis - Freeze-etching studies of human platelets
- POIHL-16117-01 0001 Ion movements and membranes in cardiovascular control - Developmental studies of contractile cell junctions (rats, guinea pigs)
- POINS-10299-03 0018 Biophysical and biochemical studies of cellular membranes - Low temperatures and cryoprotective agents on myelin and retinal rod structure
- POINS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)
- PO7RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)
- TEMPERATURE, FREEZING**
- SEE ALSO WATER, ICE
- NOIAI-22515-06 Repository and distribution center for leucocyte typing sera (human)
- ROIAM-09136-15 Studies in cryobiology (rabbits, turtles)
- ROIAM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
- ROIAM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- ROIAM-16830-01 Renal cryopreservation (dogs)
- ROIAM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- ** POICA-08748-09 5930 Research program of Sloan-Kettering Institute - In situ freezing of portions of the kidney (rabbits)
- RI0CA-12397-03 Leukemia center (platelet) program
- PO2CA-15688-01 0009 Program in medical oncology - Chemotherapy and autologous marrow transplantation (monkeys, mice)
- NO1CP-22006-06 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- NO1CP-33279-01 Isolate, propagate and store mutant vertebrate cells (mice)
- ** ROIGM-17959-03 Preservation of organs by freezing (human, rodents, rabbits, frogs)
- ROIGM-18807-02 Restoration of function of damaged cells and enzymes (insects, mammals)
- ROIGM-20284-02 Theory of polar liquids and solutions
- ROIGM-21127-01 Serum glycoproteins as cryoprotective agents (antarctic fish)
- ROIHD-06315-03 Proteases in sperm and seminal fluid (human, monkeys)
- POIHL-06312-13 0033 Surgical cardiology - Organ preservation-Cryopreservation (dogs, rats)
- ROIHL-11047-08 Platelet preservation and physiology (human)
- ** POIHL-14322-03 0008 Interdisciplinary program in biomaterials science - Fundamentals of freezing and thawing processes in human blood elements
- ROIHL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
- POINS-07366-07 0010 Head injury clinical center research program - Effects of antioxidants and steroids on local brain lesions (rats)
- ** POINS-10299-03 0027 Biophysical and biochemical studies of cellular membranes - The survival of frozen rabbit embryos
- TEMPERATURE, HEAT**
- SEE ALSO ENVIRONMENT, CLIMATE, TROPICAL
- SEE ALSO ENVIRONMENT, STRESS, HEAT INDUCED
- SEE ALSO INJURIES, TEMPERATURE DEPENDENT, HEAT INDUCED
- SEE ALSO OPTICS, THERMOGRAPHY*
- SEE ALSO SENSORY PERCEPTION PROCESSES, THERMORECEPTION
- ** ROIAI-10708-03 Thermally induced sterility in *Aedes aegypti*
- ROIAI-12471-01 Thermally induced sterility in *Aedes aegypti*
- ROIAM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
- ROIAM-14485-03 Work and muscle energetics (frogs)
- ** ROIAM-14715-04 Scleroderma-Systemic sclerosis (human)
- ROIAM-16315-19 Muscular contraction (rats, frogs)
- ROIAM-16703-01 Heat acclimation in *Macaca mulatta*
- ROIAM-17336-01 Mechanism of heat production during cold adaptation (mice)
- PO2CA-06518-11 0036 Radiation and radiobiology research center - Radiation response of *Vicia faba*
- ** PO2CA-13148-03 0009 Pilot cancer center - Effects of heat on cancer
- PO2CA-15145-01 0040 Cancer center support grant - Antigenic reactions of normal and leukemic cells (human)
- ** ROIIDA-00127-02 A study of chronic marijuana inhalation (dogs)
- POIDA-00250-03 0020 Research center-Studies of drug dependence and abuse - Methadone and stress
- ROIIDE-02152-09 0002 Dental physiology and biophysics - Spatial spread of pulp inflammation (dogs)
- POIES-00354-07 0004 Human responses to thermal environment - Thermal psychophysics and human behavioral thermoregulation
- ** POIES-00354-07 0006 Human responses to thermal environment - Thermal environment and health
- ** ROIES-00849-02 Physiological adaptation of women to heat stress
- ROIHD-00606-01 Improving the nutritional content of processed foods (peas, tomatoes)
- ROIHD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
- ROIGM-09933-12 Ultrasonics and dielectrics of biomaterial (plants, cattle, chickens, bacteria)
- ROIGM-19980-01 Water structure in systems of biological importance
- NOIHB-32912-01 Development of polymer fibers
- POIHD-03015-08 0018 Program for developmental biology - Sucrose synthetase of phaseolus, biochemical adaptation in monkey flower
- ROIHL-09773-09 Circulatory distribution and energy metabolism (human, baboons)
- POIHL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- ** ROIHL-14294-03 Thermal effects at biomaterials interfaces (dogs)
- ROIHL-14350-02 Venous flow velocity, venous volume, and blood flow (human)
- ROIHL-14667-02 Smoke inhalation injury-Etiology and protection (rats)
- POIHL-14780-02 0008 Mechanisms and treatment of cardiovascular diseases - Mechanism of temperature regulation (human)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** N01HV-60982-13 Effects of additional endogenous heat (dogs, monkeys, cattle)
 ** R03MH-24534-01 Dynamics of warmth and cold (human)
 R01NS-02992-14 Psychophysical and neural response to thermal stimuli (human, animals)
 P01NS-05785-09 0014 Causes of deafness - Vestibular function (human, mammals)
 R01NS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)
 R01NS-09613-03 Study of vestibular pathways in the cerebellum (cats, humans)
 ** R01OH-00308-18 Evaluation of stresses of exposure to heat in humans

TEMPERATURE, HEAT, CALORIC STIMULATION

- ** R01AM-16060-03 Chemical, temperature, and wound induced epidermal mitosis (human, mice)
 ** R01DE-02152-09 0018 Dental physiology and biophysics - Human response to tooth thermal stimulation
 R01DE-02152-09 0021 Dental physiology and biophysics - Mechanisms of pulpal sensation in humans
 ** P01NS-03358-13 0011 Sensory disease clinical research center - Thermal vestibular stimulation (cat)
 ** P01NS-03358-13 0018 Sensory disease clinical research center - Clinical vestibular function
 P01NS-05785-09 0013 Causes of deafness - Neurophysiology laboratory (human, monkeys)
 R01NS-10054-02 Biophysical properties of semicircular canals
 R01NS-10522-02 Vestibular and auditory function of the sacculus (cats, human)

TEMPERATURE, HEAT, CALORIMETRY*

- R01CA-06734-12 Mechanisms of solute transport in animal cells (rats)
 ** P02CA-08023-10 0067 Cancer clinical research center - Microcalorimetric study of biochemical phenomena
 ** R01GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
 ** P01GM-17961-04 0011 Body compositional changes in severe trauma - Human calorimetry (human)
 R01GM-20545-02 Scanning calorimetry and dilatometry of biomembranes (bacteria, plants)
 R01HL-13132-03 Calorimetric studies of heme-protein ligand reactions (human, sheep, cattle)
 ** P18HL-15166-03 0004 Comprehensive sickle cell disease center - Immunological procedures for identifying hemoglobins S, A, F, and C (human)

TEMPERATURE, HEAT, MICROCALORIMETRY*

- R01AM-13869-05 Nutritional studies on plant anti-proteinases (legumes, rats, chicks)
 R01GM-14493-08 Molecular sieve chromatography of interacting proteins (lamprey, human)
 ** R01GM-18035-03 Heats of hydrogenation of large molecules
 ** R01GM-18816-03 Calorimetric and NMR study of metalloenzyme systems
 ** R01GM-20131-02 Microcalorimetry for clinical chemistry

TEMPERATURE, HEAT, MICROWAVE HEATING

- ** R01FD-00598-01 Quality and nutritive value of microwave cooked meat
 ** P01GM-16436-06 0033 Bioengineering program project - Microwave heating (human)
 N01HB-42950-00 Preservation of granulocytes for transfusion (human, rats)
 ** R01MH-25168-01 Brain metabolism through microwave heating (rats, mice)

TEMPERATURE, HEAT EXCHANGER

- P01ES-00354-07 0006 Human responses to thermal environment - Thermal environment and health
 R01HD-06333-02 Cross-flow exchange in the mammalian placenta (sheep, monkeys)
 ** R01HL-09676-09 Thermal regulation during water immersion of man
 ** R01HL-16716-01 Analysis of a vascular heat exchanger (tuna)

TEMPERATURE, HEAT STABILITY-LABILITY

- R01AI-00701-18 Measles virus recombination and reactivation
 R01AI-01863-17 Cell differentiation in procaryotic organisms (bacteria)
 R01AI-05367-12 Gene interaction in bacteria and phage
 R01AI-08133-17 Phage infection-Deoxyribonucleotide and DNA biosynthesis
 R01AI-12203-01 Characterization of measles virus latency (hamsters, human)
 R01AM-16554-02 Pantothenic acid and/or pantotheine binding protein
 P02CA-06516-12 0021 Cancer center support grant- Comprehensive - Cryopreservation of human lymphoid and tumor cells
 P01CA-08748-09 6707 Research program of Sloan-Kettering Institute - Multiplication of reovirus temperature-sensitive mutants
 P01CA-10893-06 0014 Cancer Research Center - Viral genes involved in cell transformation (monkeys, mice, hamsters)
 P01CA-10893-06 0016 Cancer Research Center - Molecular biology of herpesviruses (hamsters)

- R01CA-11673-05 Lysozyme and phage P1
 R01CA-12130-04 Polyploidy in analysis of variation and tumorigenesis (hamsters, frogs)
 P01CA-12174-04 0006 Growth and cell control processes - Nuclease associated with avian myeloblastosis virus DNA polymerase
 P01CA-12174-04 0020 Growth and cell control processes - Turnover of surface components in normal and transformed cells (chickens)
 R01CA-12504-04 Suppression of malignancy in cell hybrids (mice)
 ** R01CA-13795-02 Temperature-sensitive mutants of murine sarcoma virus (mice)
 P01CA-14195-01 0005 Core grant-Regulation, the cell membrane and cancer - Viral gene functions and cell growth regulation (tissue culture)
 P01CA-14195-01 0016 Core grant-Regulation, the cell membrane and cancer - Serum factor requirements of fetal rat liver cells and transformed fibroblasts
 R01CA-14670-02 Host functions related to tumor virus infection
 P01CA-15655-01 0019 Cancer center support grant - Genetic control of tumor virus infection and cell transformation (mammals)
 P01CA-15655-01 0020 Cancer center support grant - Fatty acid phospholipid composition and DNA synthesis (bacteria)
 P01CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)
 R01CA-16123-01 Esterases and amidases in oncogenic transformation (mammals, viruses)
 P01CA-16228-01 0001 Cell membrane in proliferation and oncogenesis - Membrane in transformation (mammals)
 P01CA-16228-01 0007 Cell membrane in proliferation and oncogenesis - Intramembranous particles-Glycoproteins-Growth control (mice)
 N01CP-33212-04 Viruses and experimental oncogenes and human cancer (animals)
 N01CP-43214-00 Latent virus infection and transmission of C-type particles (monkeys, human)
 ** N01CP-43243-00 Interactions between RNA tumor viruses and other viral agents
 N01CP-43331-00 Propagation and storage of mutant vertebrate cells
 R01DE-03505-06 Standard test methods for biomaterials and instrumentation
 P01ES-00735-01 0008 Public health hazards and environmental fate of parathion - Decontamination of parathion spills and wastes (biophysical and microbial agents)
 R01ES-00807-01 Selenium toxicity-Role of methionyl-tRNA synthetases (plants)
 P01GM-06965-15 0072 Basic experimental biology - Selecting mutants resistant to high intensity light
 R01GM-07487-13 Photochemistry of organic molecules
 R01GM-11632-11 Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs)
 P01GM-15253-08 0010 Genetics in medicine-Gene action in man - Polymorphism by methods other than electrophoresis
 ** P01GM-15423-07 0030 Molecular basis of control mechanisms - Thermolysin-Metal substitution and thermal stability
 P01GM-15423-07 0041 Molecular basis of control mechanisms - Physical chemistry of 14 phage lysozyme
 P11GM-15477-08 0003 Drug metabolism and biochemical pharmacology - Drug binding sites of P450 hemoproteins (rats, rabbits)
 ** R01GM-15792-08 0002 Structure and relations of proteins and nucleic acids - Effects of solvent perturbants on the stability of macromolecular conformation
 P01GM-17961-04 0011 Body compositional changes in severe trauma - Human calorimetry (human)
 R01GM-17980-04 Bacteriophage assembly and its genetic control
 R01GM-19189-02 Control of DNA replication (bacteria, mice)
 ** R01GM-19856-01 Correlation of thermal environment and RNA structure (bacteria)
 R01GM-21205-01 Molecular biology of aging fungi as models
 P01HD-03015-08 0003 Program for developmental biology - Genetic control of meiosis and sperm development (Drosophila)
 R01HD-04592-06 Biochemistry of the male genital tract (rodents)
 R01HL-05360-15 Cholesterol metabolism and hypocholesterolemic drugs (rats)
 M P01HL-07896-13 Environmental biomedical research program
 ** P01HL-07896-13 0015 Environmental biomedical research program - Heat and mass transfer at simulated depths breathing helium (human)
 P01HL-14780-02 0001 Mechanisms and treatment of cardiovascular diseases - Mechanism in control of cardiovascular system-Energy exchange (human, rabbits)
 P01HL-14780-02 0008 Mechanisms and treatment of cardiovascular diseases - Mechanism of temperature regulation (human)
 ** R01MS-08236-05 Bio-heat transfer studies (human, cats)

- R01NS-11487-01 Temperature regulation-Action of prostaglandin E1 (rabbits)

TEMPERATURE (BODY)

- P01ES-00354-07 0002 Human responses to thermal environment - Regulation of circulation, respiration and body temperature (human, rabbits)
 R01ES-00854-03 Chemical nature and mode of action of Cnidarian toxins (rats, guinea pigs)
 P01GM-09069-12 0003 Research in anesthesiology - Maternal-fetal temperature gradients in baboons
 P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
 P01GM-14267-09 0013 Microelectronics laboratory for biomedical science - Neurosurgical monitoring
 P01GM-15904-07 0003 Anesthesiology center for research and teaching - Molecular interactions of anesthetics (mice, neurs)
 P11GM-15956-07 0051 Factors affecting the responses to drugs - Biliary excretion of lead, (rats, rabbits, dogs) copper and arsenic
 P01GM-17961-04 0007 Body compositional changes in severe trauma - Stress ulceration (human)
 ** R01GM-20370-02 Noninvasive sensing of subcutaneous temperatures (human, mammals)
 R01HD-02274-08 0045 Mental retardation and child development - Microelectrode studies in humans
 R01HD-04355-09 Chromosome studies of mammalian embryos (cats, dogs, cattle, horses, pigs)
 R01HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
 R01HD-08229-01 Hormonal control of vaginal circulation (sheep, cattle, human)
 R01HD-08477-04 Sympathetic responses of the uterine circulation (sheep)
 ** R01HL-01486-20 T waves and myocardial electrolytes and temperatures (human, dogs, chick embryo)
 ** R01HL-09154-10 Central control of distribution of organ blood flow (monkeys)
 R01HL-10177-09 Continuous monitoring with a small digital computer (human)
 R01HL-12839-05 Degradation of blood in artificial organs (rats, dogs, rabbits, human)
 R01HL-13988-04 Elimination of reoperative cardiac pacemaker surgery (dogs)
 P01HL-16126-01 0005 Atherosclerosis, coagulation and thrombolysis - Molecular organization of atheromatous lesions (mammals)
 ** R01HL-16653-01 Respiratory control and body temperature (turtles)
 R01HL-16666-01 Micropinocytosis in isolated capillary endothelium
 ** R01MH-04920-12 Circadian patterns of normal and pathological functions (rats)
 R01MH-12506-09 Chemical correlates of memory (goldfish, rats, monkeys)
 P01MH-15767-06 Neurological mechanisms underlying behavior (human, animals)
 R01MH-16929-06 The developmental effects of early maternal separation (rats)
 R01MH-18332-05 Temporal organization in behavior and development (human)
 P01NS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)
 P01NS-08711-04 0001 Fundamental studies relating to multiple sclerosis - Clinical studies (and rats)
 R02NU-00390-03 Sympathetic responses of the uterine circulation (sheep, guinea pigs)
 R01OH-00331-05 The sleep-waking cycle and its neuro-endocrine correlates (human)
 M01RR-00037-14 0079 General clinical research center - Cardiac output and metabolic changes during exercise (human)
 M01RR-00053-13 0029 Clinical research center - The sleep-wake cycle and its neuro-endocrine correlates (human)
 M01RR-00053-13 0034 Clinical research center - Effect of progressive shortening of sleep time (human)
 M01RR-00069-12 0074 General clinical research center, children - Psychobiological evaluation of osteogenesis imperfecta
 M01RR-00109-11 0001 General clinical research center - Metabolic relationship of obesity and diabetes (human)
 P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 ** M01RR-00425-06 0080 General clinical research center - Effect of estradiol and progesterone on basal body and CNS temperatures (human)

TEMPERATURE (BODY), FEVER

SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANALGESICS, ANTIPYRETICS

- ** R01AI-01564-17 The pathogenesis of fever (rabbits)
 R01AI-09957-04 Ontogeny of endotoxin pyrogenicity (guinea pigs)
 ** R01AI-10601-01 Pathogenesis of fever (human, rabbits, guinea pigs)
 R01AI-11569-02 Nature and function of shock receptors of white cells (human, sheep, rabbits)
 P02AM-13083-06 0104 Organ transplantation - Clinical-virological correlations

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-08832-08 0081 An integrated study of advanced malignant diseases - Chemotherapy for non-lymphocytic leukemia (human)
- P02CA-11602-05 0006 Research and clinical radiation center - Interaction of hyperthermic damage with radiation damage
- ** R01CA-14655-01 Fever in malignant diseases (human)
- R01CA-15118-02 Patterns in the care of the dying
- ** P01CA-16359-01 0049 Cancer center support grant - Fever mechanisms (human)
- P01GM-15430-07 0002 Research in anesthesia - Effects of anesthetics on isolated tissue
- P11GM-15477-08 0107 Drug metabolism and biochemical pharmacology - Hyperthermia in D-amphetamine toxicity (mice)
- P01GM-15571-06 0061 Anesthesia research-Program project - Anesthetic potency-Hyperthermia (dogs)
- P11GM-15956-07 0057 Factors affecting the responses to drugs - Pharmacokinetic studies of acetaminophen in children
- R01GM-21443-01 Gas chromatography as an aid in clinical pathology (human, mice, rats)
- ** P17HL-14230-04 0037 Lipids, atherosclerosis and thrombosis - Porcine stress syndrome (swine)
- R01NS-11487-01 Temperature regulation-Action of prostaglandin E1 (rabbits)
- R02NU-00369-04 Action program in nursing research facilitation
- ** M01RR-00125-11 0148 General clinical research center-adult-child - Mechanism of 'steroid' fever
- ** M01RR-00229-09 0065 General clinical research center - Assessment of pituitary reserve in pretreatment with dexamethasone (human)
- ** M01RR-00229-09 0066 General clinical research center - Effect of temperature and dexamethasone on 17-OHCS and somatotropin (human)
- M01RR-00262-09 0008 General clinical research center - Nucleic acid metabolism in surgical patients

TEMPERATURE (BODY), FEVER, PYROGENS

- SEE ALSO ANDROSTANE SERIES 5 BETA, ETIOCHOLANOLONE
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS
- R01AI-01564-17 The pathogenesis of fever (rabbits)
- ** R01AI-03772-14 Chemistry of leucocytic pyrogen (rabbits)
- R01AI-07052-13 Bacterial endotoxins in human infection (rabbits)
- ** R01AI-09957-04 Ontogeny of endotoxin pyrogenicity (guinea pigs)
- ** R01AI-10109-04 Mechanism of pyrogen elaboration in blood leukocytes (rabbits)
- R01AI-10601-01 Pathogenesis of fever (human, rabbits, guinea pigs)
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- R01AM-14669-04 Intestinal electrolyte transport in disease (human, rabbits, guinea pigs, rats)
- R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
- R01CA-14655-01 Fever in malignant diseases (human)
- ** R01CA-15928-01 Pathophysiology of Hodgkin's disease (human)
- P01ES-00354-07 0003 Human responses to thermal environment - Physiological and behavioral temperature regulation (monkeys)
- P18HL-15169-03 0018 Comprehensive sickle cell disease center - Studies on sickle cell disease (human, rats, mice, dogs)
- R01NS-04655-12 Single unit activity and thermoregulation (rabbits)
- R01NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
- ** R01NS-11487-01 Temperature regulation-Action of prostaglandin E1 (rabbits)
- M01RR-00229-09 0066 General clinical research center - Effect of temperature and dexamethasone on 17-OHCS and somatotropin (human)

TEMPERATURE (BODY), HYPERTHERMIA

- INDUCED**
SEE ALSO INJURIES, TEMPERATURE DEPENDENT, HEAT INDUCED
- ** P02CA-06518-11 0008 Radiation and radiobiology research center - Effect of hyperthermia on radiosensitivity (mice)
- ** P02CA-06518-11 0009 Radiation and radiobiology research center - Fractionated response to hyperthermia and x-radiation (mice)
- ** P02CA-06518-11 0019 Radiation and radiobiology research center - In vitro studies on hyperthermia and radiation (human)
- ** P02CA-06518-11 0035 Radiation and radiobiology research center - Metastases at elevated temperature (mice)
- ** R01CA-13311-03 Modification of tumor response to local irradiation (hamster, human)
- ** R01CA-16111-01 Local ultrasonic hyperthermia for tumor therapy (cats)
- ** P01GM-09069-12 0003 Research in anesthesiology - Maternal-fetal temperature gradients in baboons
- R01HL-16255-01 Arterial lesions and thromboembelism (salmon)
- R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)

- ** P01NS-05820-09 0003 Research center for cerebral vascular diseases - Hyperthermia (rats)
- P01NS-08711-04 0011 Fundamental studies relating to multiple sclerosis - Electrophysiology (human)

TEMPERATURE (BODY), HYPERTHERMIA INDUCED, DIATHERMY

- R01CA-16110-01 Recovery from radiation-induced cycle delay (hamsters)
- R01FD-00646-05 Quantitative effects of EM energy on human tissues (and cats)
- ** R01HD-08630-01 Carbohydrate metabolism (infants, swine, rats)

TEMPERATURE (BODY), HYPOTHERMIA

- SEE ALSO ENVIRONMENT, ADAPTATION, HIBERNATION
SEE ALSO INJURIES, TEMPERATURE DEPENDENT, COLD INDUCED
- ** R01AI-05526-12 Physiology of bacteria at low temperature
- P01AM-02456-15 Diabetes studies (human, rats, dogs, monkeys)
- R01AM-03361-15 Organ survival under experimental conditions (dogs)
- P01AM-08681-09 0016 Diseases of liver and portal circulation - Liver preservation (dogs)
- R01AM-11709-08 Sympathetic nervous system and neuroendocrine rhythms (rats)
- P02AM-13083-06 0059 Organ transplantation - Function after allotransplantation of pancreaticoduodenal graft (dogs)
- R01AM-13935-05 Organ transplantation (dogs, pigs, monkeys, rabbits, rats)
- R01AM-14696-03 Organ preservation (dogs)
- P01AM-15512-03 0008 University of Wisconsin program project in nephrology - Kidney preservation (dogs, human)
- R01AM-15986-03 0004 Cirrhosis, ascites and the hepatic circulation - Stroma-free hemoglobin solution in shock (dogs)
- R01AM-16008-02 Regulation of glucagon secretion in the primate (human, baboons, dogs)
- P01CA-08748-09 5908 Research program of Sloan-Kettering Institute - Isolation-perfusion of liver (dogs)
- ** R01DA-00124-03 Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats)
- R01GM-08472-14 Storage of kidney by hypothermia and perfusion (dogs)
- ** P01GM-10402-12 0004 Zoophysiology in Alaska - Utilization of fat (lemmings, moose, caribou, marine mammals)
- ** P01GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- ** P01GM-10402-12 0007 Zoophysiology in Alaska - Metabolism during hibernation hypothermia (squirrels)
- P01GM-10402-12 0013 Zoophysiology in Alaska - Energy balance in small mammals (rodents)
- P01GM-10402-12 0022 Zoophysiology in Alaska - Free fatty acid in acute cold exposure (human)
- P01GM-18470-03 0012 Trauma center - Respiratory and cardiovascular function in head injury (cats, dogs, human)
- R01HD-04380-04 Biochemical development of surface activity of lung (human, mammals)
- P01HD-05221-05 0028 Center grant in mental retardation - Neurosurgical research
- ** R01HD-05821-03 Neonatal gluconeogenesis initiation and control (swine)
- ** P01HL-08203-12 0005 Renal homotransplantation in man - Preservation of cadaver kidneys (human)
- P01HL-08682-11 0006 Regulation of the cardiovascular system - Cardiovascular studies of mammalian hibernators (sciuriformes, rats)
- P01HL-08899-10 0026 Oxygenation and oxygen effects in man - Physiological, toxic effects of oxygen on central nervous system (human, animals)
- R01HL-09997-10 Intracardiac valvular prostheses (dogs, human)
- P01HL-10436-09 0002 Congenital heart disease - Myocardial performance and metabolism in hearts of large animals (dogs, calves)
- R01HL-11802-07 Cardiovascular surgical research (dogs)
- ** R01HL-13238-03 Cardiovascular responses to hypothermia (dogs)
- R01HL-13315-05 Disposition of vasoactive amines in lung (rats, rabbits, human)
- ** P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- R01HL-13532-04 Ultrastructure and lipid analysis of Hibernator Heart (animals)
- R01HL-13847-04 Engineering studies of liquid breathing systems (dogs)
- P01HL-14322-03 0007 Interdisciplinary program in biomaterials science - Study of heat transfer processes in biologic materials (animals)
- ** P01HL-14414-03 0008 Cardiorespiratory performance and environmental factors - Circulatory function and heat exchange in water (human)
- ** R01HL-14713-03 Hypothermia and the heart (bats)
- R01HL-14733-02 Artificial heart and related problems (cattle)
- R01HL-15738-02 Subendocardial necrosis during cardiopulmonary bypass (dogs)

- R01HL-15813-01 Cardiac anoxia-Protective effect of carbohydrate (dogs)
- P18HL-15997-02 0010 A comprehensive hospital-community sickle cell center - Extracorporeal circulation in hemoglobin S (human)
- ** R01HL-16292-01 0002 Surgery and non-obstructive coronary insufficiency - Ventricular fibrillation in hypertrophied hearts-Effects of hypothermia (dogs)
- ** R01HL-16616-01 Physiology of perfusion hypothermia in newborn (human, lambs, dogs, monkeys)
- P01NS-04553-10 0005 Neuropharmacology and neurochemistry program research - Neuropharmacology of psychotropic agents and biochemical effects (animals)
- P01NS-05820-09 0001 Research center for cerebral vascular diseases - Brain energy and acid based parameters (rats)
- R01NS-08236-05 Bio-heat transfer studies (human, cats)
- ** R01NS-08409-06 Ionic conductance in nerve at low temperatures (squid)
- R01NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
- P01NS-08711-04 0011 Fundamental studies relating to multiple sclerosis - Electrophysiology (human)
- P01NS-08803-04 Head injury clinical research center (human, dogs, rabbits, primates)
- R01NS-08970-04 Pathology of acute, experimental spinal cord injury (monkeys, cats)
- R01NS-10311-03 Cerebellar cerebral interactions (monkeys)
- R01NS-10648-02 Experimental neuropathology in tissue culture
- ** R02NU-00483-01 Control of shivering during hypothermia (human)

TEMPERATURE (BODY), HYPOTHERMIA INDUCED

- ** R01AM-10334-09 Control processes in mammalian cells (rats, cattle, human)
- ** P01NS-09889-04 0013 Investigation of agents which damage the ear - Interaction studies (guinea pig)

TEMPERATURE (BODY), HYPOTHERMIA INDUCED, CRYOSURGERY

- ** P02CA-11265-05 0032 General clinical cancer research center - Cryosurgery for cervical cancer
- R01CA-14021-01 Immunological parameters in cervical carcinoma (teenagers, adults)
- R01CA-15587-01 Immune surveillance?-Studies on a human cancer model
- P01EY-00227-13 0008 The posterior segment of the eye - Methods of retina surgery (human, dogs, rabbits)
- ** R01EY-00891-03 Treatment of intraocular tumors (human, cattle)
- R01HL-16389-01 Development of prosthetic heart valves for children (monkeys, dogs)
- R01NS-08236-05 Bio-heat transfer studies (human, cats)
- ** M01RR-00051-13 0029 General clinical research center - Cryophysectomy in treatment of pituitary tumors (human)
- M01RR-00079-12 0013 General clinical research center - Effects of cryophysectomy for acromegaly (human)

TEMPERATURE (BODY), HYPOTHERMIA INDUCED, CRYOTHERAPY

- ** P02CA-13148-03 0069 Pilot cancer center - Role of cryosurgery in gynecologic cancer
- P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
- R01EY-00002-23 Pressure-regulating mechanisms in glaucoma (humans)
- R01EY-00538-05 Ultrastructural study of ocular vascular permeability (monkeys)
- R01EY-00886-01 Laser glaucoma surgery (human, animals)
- ** R01EY-00891-03 Treatment of intraocular tumors (human, cattle)
- ** R01EY-01294-01 Experimental cryotherapy of ophthalmic malignancies (cattle)
- R01HL-06163-13 Heart transplantation (dogs)

TEMPERATURE (BODY), POIKILOTHERMS

- P01AM-09001-10 0034 Biochemistry and immunology of blood diseases - Shark muscle phosphorylase
- P01AM-09001-10 0035 Biochemistry and immunology of blood diseases - Human muscle phosphorylase (and rabbit)
- ** P01CA-10815-06 0016 Consolidated basic cancer research program - Characterize immune response to tumor-associated virus (amphibians, fish)
- ** P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poikilothermic vertebrate cells or viruses
- P01CA-10815-06 0036 Consolidated basic cancer research program - Phylogenetic range of naturally occurring oncoviruses (reptiles)
- R01CA-11901-04 Pathology of tumorigenesis in developing embryos (frogs)
- ** P01GM-10402-12 0006 Zoophysiology in Alaska - Hibernation and enzymes (ground squirrels, seals, caribou, birds)
- ** P01HL-14414-03 0013 Cardiorespiratory performance and environmental factors - Body temperature and pH regulation (invertebrates, bullfrogs)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** P01HL-14414-03 0014 Cardiorespiratory performance and environmental factors - Carbon dioxide and body temperature in poikilotherm vertebrates (bullfrog)
R01NS-08964-05 Dynamic aspects of neurofilaments and microtubules (fish, chickens)

TEMPERATURE (BODY) REGULATION

- R01AI-03772-14 Chemistry of leucocytic pyrogen (rabbits)
R01AI-09957-04 Ontogeny of endotoxin pyrogenicity (guinea pigs)
** R01AM-08311-10 Obesity and physiological response to environment (human)
R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
** R01AM-16703-01 Heat acclimation in Macaca mulatta
** P01AM-16716-01 0011 Pathophysiological bases of muscle diseases - Nonshivering thermogenesis in normal and dystrophic hamsters
** R01AM-17336-01 Mechanism of heat production during cold adaptation (mice)
P17AM-17624-01 0006 Obesity center - Regulation of energy intake (human)
P17AM-17624-01 0009 Obesity center - Rate and composition of weight loss as influenced by diet (human)
R01DA-00124-03 Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats)
P01DA-00259-03 0005 Drug abuse research center - Neuroanatomical correlates (rats)
R01DA-00290-02 Effects of LSD upon embryonic and maturing brain (mice)
** P01ES-00354-07 0001 Human responses to thermal environment - Heat transfer from skin surface to the environment (man)
** P01ES-00354-07 0002 Human responses to thermal environment - Regulation of circulation, respiration and body temperature (human, rabbits)
** P01ES-00354-07 0003 Human responses to thermal environment - Physiological and behavioral temperature regulation (monkeys)
** P01ES-00354-07 0004 Human responses to thermal environment - Thermal psychophysics and human behavioral thermoregulation
** P01ES-00354-07 0005 Human responses to thermal environment - Models of physiological and behavioral temperature regulation
R01ES-00849-02 Physiological adaptation of women to heat stress
** R01EY-01112-02 Thermokeratoplasty (rabbits, human)
** P01GM-09069-12 0065 Research in anesthesiology - Respiratory components of thermoregulatory activity (dogs)
** P01GM-10402-12 0011 Zoophysiology in Alaska - Heterothermous operations of nerves (squirrels, marmots, whales)
P01GM-10402-12 0013 Zoophysiology in Alaska - Energy balance in small mammals (rodents)
** P01GM-10402-12 0024 Zoophysiology in Alaska - Metabolism and temperature regulation of marine mammals (seals, small birds)
R01GM-16714-06 Homeostasis in mammalian hibernation (hamsters, ground squirrels)
** R01GM-19716-01 Thermoregulation (chickens)
R01GM-20393-01 Genetic control of temperature acclimatization in insects (*Drosophila*)
** P01HD-03803-06 0007 Control mechanism in reproduction and development - Circadian rhythm and reproductive cycles (sparrows, lizards, hamsters)
P01HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
R01HD-06223-01 The effect of aging on hypothalamic control systems (rats, sheep)
** R01HD-06475-01 0004 Carbohydrate and lipid metabolism during development - Unique aspects of triglyceride synthesis in brown fat (rats)
** R01HD-06775-03 Hypoxia, metabolism, and neonatal thermoregulation (dogs)
P01HD-07110-02 0028 Biomedical center for population research - Biogenic amines (human, baboons, monkeys)
R01HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
** R01HL-02228-19 Water metabolism, temperature regulation, and exercise (animals)
P01HL-07896-13 0015 Environmental biomedical research program - Heat and mass transfer at simulated depths breathing helium (human)
P01HL-08899-10 0026 Oxygenation and oxygen effects in man - Physiological, toxic effects of oxygen on central nervous system (human, animals)
** R01HL-09676-09 Thermal regulation during water immersion of man
R01HL-09773-09 Circulatory distribution and energy metabolism (human, baboons)
** R01HL-12038-07 Vascular responses to heat (cats, sheep)
P17HL-14150-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (monkeys)
** R01HL-14294-03 Thermal effects at biomaterials interfaces (dogs)
** P01HL-14414-03 0008 Cardiorespiratory performance and environmental factors - Circulatory function and heat exchange in water (human)

- ** P01HL-14414-03 0011 Cardiorespiratory performance and environmental factors - Gas balance of tissues (rats, cats)
** P01HL-14414-03 0013 Cardiorespiratory performance and environmental factors - Body temperature and pH regulation (invertebrates, bullfrogs)
** P01HL-14414-03 0014 Cardiorespiratory performance and environmental factors - Carbon dioxide and body temperature in poikilotherm vertebrates (bullfrog)
** P01HL-14780-02 0008 Mechanisms and treatment of cardiovascular diseases - Mechanism of temperature regulation (human)
** P01HL-16910-01 0003 Regulation of the peripheral circulation - Thermoregulation and control of circulation to the skin (human, baboons)
P01HL-16910-01 0004 Regulation of the peripheral circulation - Circulation to bone (dogs)
R01MH-05286-12 0011 Psychophysiology of perception - Electrophysiological studies of dormancy and hibernation (echidna)
R01MH-10179-09 Regulation of food intake (monkeys)
R01MH-19624-04 Behavioral neuroendocrinology-Chemical correlates (rats)
R01MH-21403-02 Instrumental learning of cardiovascular responses (monkeys, mice, rats)
** P01MH-25515-01 0017 Collaborative biological research on schizophrenia - Thermoregulation as a test of hypothalamic dopamine activity in schizophrenics
** R01NS-04655-12 Single unit activity and thermoregulation (rabbits)
** R01NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
** R01NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)
R01NS-10117-01 Ontogeny of neural control of bodily functions (chickens, rats)
R01NS-10129-03 Behavioral and electrical studies of the thalamus (monkeys)
** R01NS-10367-03 CNS regulation of body temperature in heterotherms (birds)
** R01NS-10597-02 Responses of thermosensitive cells to biogenic amines (rats, ground squirrels)
R01NS-10873-02 Hormones, brain function and behavior (rats, hamsters, guinea pigs)
** R01NS-11175-02 ACH and CNS thermoregulation processes (monkeys)
** R01NS-11487-01 Temperature regulation-Action of prostaglandin E1 (rabbits)
** R01NS-11517-01 Behavioral thermoregulation-Role of the brainstem (monkey)
** R01NS-11704-01 Thermoregulatory and osmoregulatory responses (fish, reptiles, birds, dogs)
** R01NS-12033-01 Behavior and physiological thermoregulation (rats)
R02NU-00483-01 Control of shivering during hypothermia (human)
R01OH-00308-18 Evaluation of stresses of exposure to heat in humans
P06RR-00166-14 Regional primate research center at University of Washington
P06RR-00168-13 New England regional primate research center
M01RR-00833-01 0011 General clinical research center - Thyroid function (human)
P07RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory

TEMPERATURE JUMP METHOD

SEE CHEMISTRY, ANALYTICAL METHODS, TEMPERATURE JUMP*

TEMPERATURE MEASUREMENT*

- SEE ALSO CARDIOVASCULAR METHODS DIAGNOSTIC, BLOOD FLOWMETERS, THERMAL*
SEE ALSO RADIOASSAY, THERMOLUMINESCENT RADIATION DETECTOR-READER*
- ** P01EY-00446-06 0017 External ocular disease center - Thermokeratoplasty (human)
P01GM-10402-12 0027 Zoophysiology in Alaska - Real time laboratory processing (animals)
P01GM-14267-09 0004 Microelectronics laboratory for biomedical science - Intrapartum systems (human)
P01GM-14267-09 0013 Microelectronics laboratory for biomedical science - Neurosurgical monitoring
** R01GM-17913-04 New methodologies in bioanalytical chemistry
** R01GM-19651-01 Thermometric methods of clinical analysis
** P01HL-14322-03 0007 Interdisciplinary program in biomaterials science - Study of heat transfer processes in biologic materials (animals)
N01HV-50982-13 Effects of additional endogenous heat (dogs, monkeys, cattle)
P01NS-06779-06 0003 Cerebrovascular clinical research center - Screening techniques for extracranial vascular disease (human, animals)
P01NS-06779-06 0007 Cerebrovascular clinical research center - Stroke clinic
R02NU-00483-01 Control of shivering during hypothermia (human)
R01OH-00308-18 Evaluation of stresses of exposure to heat in humans

- P07RR-00716-07 Bioengineering resource facility

TEMPERATURE OPTIMA, MESOPHILES

- R01AI-07533-08 Growth at low temperatures-Bacteriophage

TEMPERATURE OPTIMA, PSYCHROPHILES

- R01AI-07533-08 Growth at low temperatures-Bacteriophage
** R01FD-00153-08 Fish spoilage and related bacteria (human, cattle)

TEMPERATURE SENSE

SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

TEMPORAL BONE

SEE SKELETAL SYSTEM, SKULL, TEMPORAL BONE

TEMPORAL LOBE

SEE BRAIN, CEREBRUM, TEMPORAL LOBE

TEMPORAL LOBE SYNDROMES

SEE BRAIN DISORDERS, TEMPORAL LOBE SYNDROMES

TEMPOROMANDIBULAR JOINT

SEE ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT

TENDONS

SEE SKELETAL SYSTEM, TENDONS

TENSILE STRENGTH

SEE PHYSICAL PROPERTIES, TENSILE STRENGTH

TENSOR TYMPANI

SEE MUSCLES, EAR MUSCLES, TENSOR TYMPANI

TERATOGENIC AGENTS

SEE CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS

TERATOMA

SEE NEOPLASMS, EMBRYONIC, TERATOMA

TERBUPLINE

SEE PHENYLALKYLAMINES, TERBUTALINE

TEREPHTHALIC ACID

SEE PHENYLCARBOXYLATES, TEREPHTHALIC ACID

TERMINAL PATIENTS

SEE HEALTH CARE SERVICES, PATIENT CARE, TERMINAL PATIENTS

TERPENES

- SEE ALSO ALKENES, ISOPRENOIDS
SEE ALSO PLANTS EXTRACTS, MEDICINAL PLANTS
SEE ALSO QUINONES, UBIQUINONES
SEE ALSO STEROIDS
SEE ALSO STEROLS
SEE ALSO VITAMIN A
SEE ALSO VITAMIN E
SEE ALSO VITAMIN K
- ** R01AI-08143-06 Carbon-13 labeled substrates in biosynthetic studies (plants)
** R01AI-11662-01 Approaches to the synthesis of the sesiterpenes
R01AM-00709-21 Ultraviolet irradiation of natural products
** R01AM-03787-15 Steroid and terpenoid synthesis
R01AM-10849-08 Approaches to structurally modified steroids
** R01AM-13140-14 Biogenesis and enzymes of terpene biosynthesis (fungi, bacteria, plants)
R01AM-14160-05 Preparation of fusidic acid and modified steroids
** R01AM-15157-04 Alicyclic cations in biogenetic-like reactions
R01DA-00021-08 Syntheses of marijuana constituents (microorganisms, monkeys)
P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
** R01GM-06840-16 Marine chemistry and research on terpenoids (marine animals)
R01GM-10421-12 Synthesis of alkaloids and terpenoids
R01GM-10937-12 Stereospecific synthesis via hydroboration
R01GM-11072-12 Nitrogen-15 and Carbon-13 NMR spectroscopy
** R01GM-13246-17 Metabolism of natural products of medicinal interest (plants)
R01GM-13956-09 Bio-organic reactions related to sterol biosynthesis
R01GM-18759-03 Total synthesis of antifungal antibiotics
** R01GM-21328-01 Substrate analogs for terpene condensation reactions
R01HD-04488-11 Biochemical systematic investigations
R01HD-08288-01 Assay of potato tuber metabolites (fungi, marmosets, rodents, swine)
R01OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)

TERPENES, AMYRIN

R01AM-12172-07 Structure and metabolism of isopentenoids (plants, protozoa, yeasts, mammals)

TERPENES, CAROTENE

SEE ALSO VITAMIN A
** R01AI-10517-01 Biosynthesis of carotenes in mycobacteria

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-01383-18 Enzymatic synthesis of cholesterol and fatty acids (rats, pigeons, tomato)
- ** R01CA-05003-16 0001 Dermatologic reactions induced by solar radiation - Beta-carotene for photoprotection in erythropoietic protoporphyria (human)
- ** R01CA-05003-16 0013 Dermatologic reactions induced by solar radiation - Polymorphic photodermatoses and effects of oral beta carotene (human)
- R01ES-01041-01 0007 Photosensitivity - Systemic photoprotective agents (mice)
- ** R01EY-00918-02 New geometric isomers of vitamin A and carotene
- R01EY-01408-01 Hereditary diseases (rabbits)
- R01GM-18035-03 Heats of hydrogenation of large molecules
- R01GM-18865-03 Laser Raman spectroscopy of metalloproteins
- R01GM-20080-02 Photooxidation in model biological systems
- ** P01HD-02274-08 0015 Mental retardation and child development - Ophthalmology (human, primates, rats)
- P01HD-03693-06 0007 Pathogenesis of chronic infections - Bacterial models of chronic disease
- ** R01HD-05724-03 Carotenoid metabolism of the corpus luteum (cattle)
- N01HD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r)
- N01HD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
- N01RR-00044-14 0041 General clinical research center - Effects of colestipol on fat and bile acid fecal excretion (human)

TERPENES, CAROTENOIDS

- ** R01AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
- R01AM-13140-14 Mechanisms and enzymes of terpene biosynthesis (fungi, bacteria, plants)
- ** R01AM-14545-05 Carotenoid therapy of photosensitive porphyria (human)
- ** R01AM-17745-01 Mechanism of protective action of carotenoids (mice)
- R01GM-11741-09 Primary redox changes in photosynthesis (bacteria)
- R01GM-14971-08 Bimolecular (bilayer) lipid membranes in aqueous media
- R01GM-20662-02 Formation of electron transport in Hemophilus
- R01HD-07714-01 Biological reactions of laser generated singlet oxygen

TERPENES, CUCURBITACINS

- P01GM-16492-06 0004 Design of chemotherapeutic agents - Synthesis of methionine analogues

TERPENES, DITERPENES

- SEE ALSO PLANTS GROWTH REGULATORS, GIBBERELLINS
SEE ALSO TERPENES, GINGKOLIDES
SEE ALSO TERPENES, KAURENE TYPE
SEE ALSO TOXICOLOGY, PLANT POISONS, GRAYANOTOXINS
- R01CA-15824-01 Synthesis of antileukemic analogs of quassin
- ** R01GM-07065-14 Biosynthesis of isoprenoid hormones (plants)
- R01GM-13956-09 Bio-organic reactions related to sterol biosynthesis
- P07RR-00355-08 High resolution mass spectrometer facility

TERPENES, FARNESYL COMPOUNDS

- R01AM-13140-14 Mechanisms and enzymes of terpene biosynthesis (fungi, bacteria, plants)
- ** R01AM-16773-03 Studies on the inhibition of squalene synthesis (yeast)
- ** R01GM-07065-14 Biosynthesis of isoprenoid hormones (plants)
- R01GM-18143-04 Sesquiterpene biogenesis (plants)
- ** R01GM-20196-02 Farnesyl pyrophosphate coupling
- R01HL-12745-06 0001 Enzymes and inhibitors of cholesterol biosynthesis - Presqualene biosynthesis in relation to sterol biosynthesis
- R01HL-15476-02 Mechanism and control of sterol biosynthesis (rats, yeast)

TERPENES, GERANYL COMPOUNDS

- R01AM-13140-14 Mechanisms and enzymes of terpene biosynthesis (fungi, bacteria, plants)
- R01HL-12745-06 0003 Enzymes and inhibitors of cholesterol biosynthesis - Development of prenyl transferase inhibitors for sterol control
- P07RR-00273-09 0001 Mass spectrometric facility for biomedical research - Core research in secondary metabolism (penicillium brevicompactum)

TERPENES, GINGKOLIDES

- R01CA-11572-05 Structural and biological studies of natural products (plants, animals)

TERPENES, GLYCYRRHETINIC ACID, CARBENOXALONE

- R01AM-12333-08 Studies in gastrointestinal physiology (dogs, human)

- R01AM-15681-03 Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits)

TERPENES, KAURENE TYPE

- ** R01GM-07065-14 Biosynthesis of isoprenoid hormones (plants)

TERPENES, MONOTERPENES

- SEE ALSO NORBORNANES (AND RELATED COMPOUNDS)
SEE ALSO SULFONATES, TRIMETHAPHAN CAMPHORSULFONATE
SEE ALSO TERPENES, GERANYL COMPOUNDS
- R01AI-04769-13 Mass spectra of antibiotics and related compounds

TERPENES, PENTACYCLIC TRITERPENES

- SEE ALSO TERPENES, AMYRIN
- R01AM-03787-15 Steroid and terpenoid synthesis
- R01GM-06840-16 Marine chemistry and research on terpenoids (marine animals)
- R01HL-12872-05 Regulation of triterpene alcohol biosynthesis (protozoa)

TERPENES, SESQUITERPENES

- SEE ALSO PLANTS GROWTH REGULATORS, GIBBERELLINS
SEE ALSO TERPENES, FARNESYL COMPOUNDS
- ** R01CA-04284-15 Preparation of modified steroids and sesquiterpenes
- ** R01CA-11089-12 Synthesis of tumor inhibitory lactones
- ** R01CA-11277-06 Synthetic approaches to the azulene sesquiterpenes
- ** R01CA-12008-06 Synthesis of sesquiterpenoid antitumor agents
- ** R01CA-12193-08 Photochemical synthesis of sesquiterpenes
- ** R01CA-12360-04 Studies in medicinal chemistry-Antitumor agents
- R01CA-13121-16 Studies in phytochemistry (compositae)
- R01CA-13689-02 Tumor inhibitors-synthesis of vernolepin
- ** R01CA-15736-01 Synthesis of tumor inhibitory sesquiterpenoids
- ** R01FD-00685-01 Furanoterpenoids in sweet potato-ethylene mediation
- ** R01GM-06304-15 Steric and kinetic factors in terpene cyclizations
- R01GM-13956-09 Bio-organic reactions related to sterol biosynthesis
- ** R01GM-18143-04 Sesquiterpene biogenesis (plants)
- ** R01GM-19783-01 Action and metabolic fate of liver toxins (mice, sheep, plants)
- R01GM-20443-02 Construction of biologically important lactones (plants)
- ** R01NS-09831-03 Synthesis of the CNS stimulant dendrobine

TERPENES, SQUALENE

- R01AM-10628-09 Lipid metabolism in biological systems (rodents, cattle, monkeys)
- R01AM-12156-07 Stereospecifically labeled mevalonates
- ** R01AM-13140-14 Mechanisms and enzymes of terpene biosynthesis (fungi, bacteria, plants)
- ** R01AM-16773-03 Studies on the inhibition of squalene synthesis (yeast)
- ** R01CA-15979-01 0004 Cholesterol metabolism in normal and malignant liver - Mevalonic acid in normal and tumor bearing animals (rats)
- ** R01GM-10421-12 Synthesis of alkaloids and terpenoids
- R01GM-19557-01 Model studies of squalene biosynthesis
- R01GM-20196-02 Farnesyl pyrophosphate coupling
- R01GM-20707-01 Biogenesis of cyclopropane rings
- R01GM-21328-01 Substrate analogs for terpene condensation reactions
- R01HL-02477-18 Biosynthesis and function of lipids (microorganisms)
- R01HL-12533-06 Hypocholesteremic compounds and metabolism (Tetrahymena, Saccharomyces)
- ** R01HL-12745-06 0001 Enzymes and inhibitors of cholesterol biosynthesis - Presqualene biosynthesis in relation to sterol biosynthesis
- R01HL-12872-05 Regulation of triterpene alcohol biosynthesis (protozoa)
- R01HL-15476-02 Mechanism and control of sterol biosynthesis (rats, yeast)
- R01HL-16364-01 0005 Regulation of lipid biosynthesis and transport - Lipid membrane components of normal and atherosclerotic aorta
- R01NS-06011-09 Lipids of the central nervous system (human, cattle, rats)

TERPENES, TRITERPENES

- SEE ALSO TERPENES, PENTACYCLIC TRITERPENES
- R01AM-12172-07 Structure and metabolism of isopenotenoids (plants, protozoa, yeasts, mammals)
- R01GM-06840-16 Marine chemistry and research on terpenoids (marine animals)

TERPENES, TURPENTINE (OIL)

- R01OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)

TERPENOIDS

- SEE TERPENES

TERRAMYCIN

- SEE ANTIBIOTICS, OXYTETRACYCLINE

TERRITORIALITY

- SEE SOCIAL SPACE, TERRITORIALITY

TESTAGAR

- SEE OXETANONE

TESTICULAR FEMINIZATION

- SEE REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, TESTICULAR FEMINIZATION

TESTING OF INSTRUMENTATION, CLINICALLY ORIENTED

- SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED

TESTING OF INSTRUMENTATION, NOT CLINICALLY ORIENTED

- SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION NOT CLINICALLY ORIENTED

TESTIS

- SEE REPRODUCTIVE SYSTEM MALE, TESTIS

TESTIS DISORDERS

- SEE REPRODUCTIVE SYSTEM DISORDERS MALE, TESTIS DISORDERS

TESTIS NEOPLASMS

- SEE REPRODUCTIVE SYSTEM NEOPLASMS MALE, TESTIS NEOPLASMS

TESTIS REMOVAL

- SEE REPRODUCTIVE SYSTEM SURGERY MALE, ORCHIECTOMY

TESTOLACTONE

- SEE ANDROSTANE SERIES, TESTOLACTONE

DELTA 1-TESTOLACTONE

- SEE ANDROSTANE SERIES, DELTA 1-TESTOLACTONE

TESTOSTERONE

- SEE ANDROSTANE SERIES, TESTOSTERONE

TESTS

- SEE COMPUTER DIAGNOSIS
SEE DIAGNOSIS, DIAGNOSTIC TESTS*
SEE HYPERSENSITIVITY TESTS
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*
SEE PSYCHOLOGICAL TESTS (GENERAL)*
SEE SOCIOMETRY

TETANUS TOXIN

- SEE IMMUNOLOGY, ANTIGENS BACTERIAL, TETANUS TOXIN

TETANUS TOXOID

- SEE IMMUNOLOGICAL PREPARATIONS, TOXOIDS, TETANUS TOXOID

TETANY

- SEE NEUROMOTOR DISORDERS, TETANY

1,3,5,7-TETRAAZADAMANTANE

- SEE CYCLICS, CAGE MOLECULES, METHENAMINE

TETRABENAZINE

- SEE QUINOLIZINES, TETRABENAZINE

TETRAC

- SEE THYROACETIC ACIDS, IODINATED, TETRAC

TETRACOSANOIC ACID

- SEE FATTY ACIDS, TETRACOSANOIC ACID

TETRACYCLINE

- SEE ANTIBIOTICS, TETRACYCLINE

TETRAETHYLAMMONIUM COMPOUNDS

- SEE AMMONIUM QUATERNARY, TETRAETHYLAMMONIUM COMPOUNDS

TETRAETHYLENE PENTAMIN EPICHLORHYDRIN COPOLYMER

- SEE CHOLESTANE SERIES, CHOLESTEROL INHIBITORS, COLESTIPIOL

TETRAHYDROFLATE DEHYDROGENASE

- SEE OXIDOREDUCTASES, TETRAHYDROFLATE DEHYDROGENASE

TETRAHYDROFOLIC ACID

- SEE FOLIC ACID, TETRAHYDROFOLIC ACID

TETRAHYDROFOLIC ACID ANTAGONISTS

- SEE FOLIC ACID ANTAGONISTS, TETRAHYDROFOLIC ACID ANTAGONISTS

TETRAHYDROISQUINOLINES

- SEE QUINOLINES, ISQUINOLINES

TETRAHYMENA

- SEE PROTOZOA, CILIATA, TETRAHYMENA

TETRAHYMENA PYRIFORMIS

- SEE PROTOZOA, CILIATA, TETRAHYMENA PYRIFORMIS

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

TETRAIODOTHYROACETIC ACID

SEE THYROACETIC ACIDS, IODINATED, TETRAC

TETRALOLOGY OF FALLOT

SEE CONGENITAL ABNORMALITIES, HEART DEFECTS, TETRALOLOGY OF FALLOT

TETRAPYRROLES

SEE PYRROLES, TETRAPYRROLES

TETRAZOLIUM SALTS

SEE NITROARYLS, AZOLES, TETRAZOLIUM SALTS

TETRODOTOXIN

SEE TOXICOLOGY, ANIMAL POISONS, TETRODOTOXIN

TETROSARIC ACIDS

SEE SUGAR ACIDS, TARTARIC ACIDS

TETROSES, ERYTHROSE

P11GM-16216-06 0015 Toxicological problems of drugs (placental transfer, lactation) - Metabolic profiles of urinary acids in the newborn infant (human, rats)

TEXTILES

SEE CONSUMER PRODUCTS, FABRICS

THALAMIC NUCLEI

SEE BRAIN, THALAMIC NUCLEI

THALAMIC RADIATIONSSEE BRAIN, CORTICOTHALAMIC TRACT
SEE BRAIN, THALAMOCORTICAL TRACTS**THALAMOCORTICAL TRACTS**

SEE BRAIN, THALAMOCORTICAL TRACTS

THALAMOTOMY

SEE BRAIN LESIONS SURGICAL, THALAMOTOMY

THALAMUS

SEE BRAIN, THALAMUS

THALAMUS VENTRAL

SEE BRAIN, SUBTHALAMUS

THALASSEMIA

SEE HEMOPROTEINS, HEMOGLOBINOPATHIES, THALASSEMIA

THALIDOMIDE

SEE BENZOPYRROLES, PHTHALIMIDES, THALIDOMIDE

THALLIUM (COMPOUNDS)

SEE METALS, HEAVY METALS, THALLIUM

THALLIUM RADIOISOTOPES (198,202,204)

SEE RADIOISOTOPES, THALLIUM

THEMATIC APPERCEPTION TEST

SEE PSYCHOLOGICAL TESTS, THEMATIC APPERCEPTION TEST*

THEOPHYLLINE

SEE PURINES, XANTHINES, THEOPHYLLINE

THERAPEUTIC COMMUNITY (PSYCHOTHERAPY)

SEE PSYCHOTHERAPY, MILIEU THERAPY

THERAPEUTIC DIET

SEE NUTRITION, DIET THERAPEUTIC

THERAPEUTIC EMBOLIZATION

SEE CARDIOVASCULAR SURGERY, VASCULAR OCCLUSION THERAPEUTIC

THERAPEUTIC VASCULAR OCCLUSION

(OBLITERATION)

SEE CARDIOVASCULAR SURGERY, VASCULAR OCCLUSION THERAPEUTIC

THERAPEUTICS EVALUATION COMMITTEE (NHU)

- ** R01HL-04697-15 International heart disease epidemiology (human)
- ** R01HL-08798-10 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-08889-10 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-08891-10 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-08892-10 Cooperative study of drugs and coronary heart disease
- ** R01HL-09474-10 Natural history-congenital heart defects-Joint study (human)
- ** R01HL-09476-09 Natural history, congenital heart defects-Joint study
- ** R01HL-09477-09 Natural history of congenital heart defects-Joint study (human)
- ** R01HL-09478-09 Natural history congenital heart defects-Joint study (human)
- ** R01HL-09479-09 Natural history congenital heart defects-Joint study (human)
- ** R01HL-09686-09 Diet and human cardiovascular disease
- ** R01HL-10233-09 Cooperative study of drugs and coronary heart disease (human)
- ** R01HL-10353-08 Cooperative study of drugs and coronary heart disease (men)

- ** R01HL-10356-08 Cooperative study of renovascular hypertension (human)
- ** R01HL-10446-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10697-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10698-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10703-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10705-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10707-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10710-09 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-10711-08 Cooperative study of treatment of hypertension (human)
- ** R01HL-10712-08 Cooperative study of treatment of hypertension (human)
- ** R01HL-10713-08 Cooperative study of treatment of hypertension (human)
- ** R01HL-10715-08 Cooperative study of treatment of hypertension (human)
- ** R01HL-10716-08 Cooperative study of treatment of hypertension (human)
- ** R01HL-10717-08 Cooperative study of treatment of hypertension
- ** R01HL-10718-09 Natural history of congenital heart defects-Joint study (human)
- ** R01HL-10988-09 Natural history of congenital heart defects-Joint study (human)
- ** R01HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11039-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11040-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11063-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11115-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11116-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11312-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11322-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11369-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11370-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11372-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11373-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11374-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11375-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11376-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11377-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11380-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11458-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11655-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11660-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11661-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11663-08 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-11898-07 Cooperative study of drugs and coronary heart disease
- ** R01HL-12161-07 POD catheter research-Engineering support (human, dogs)
- ** R01HL-12542-06 Natural history, congenital heart defects-Joint study (human)
- ** R01HL-13057-05 POD catheter-Cardiac applications (dogs)
- ** R01HL-14282-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-14284-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-14285-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-14286-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-14336-02 Aspirin in cerebral ischemic-Joint study (human)
- ** R01HL-14337-02 Aspirin in cerebral ischemia-Joint study (human)

- ** R01HL-14338-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-14340-02 Conral registry-Aspirin in cerebral ischemia (human)
- ** R01HL-14372-02 Aspirin in cerebral ischemia-joint study
- ** R01HL-14905-03 Cardiac function and prognosis of coronary disease (human)
- ** R01HL-14981-02 Aspirin in cerebral ischemia-Joint study (human)
- ** R01HL-15382-03 Cooperative study of drugs and coronary heart disease (men)

THERAPY

SEE ALSO ALCOHOLISM - DRINKING, ALCOHOLISM TREATMENT AND REHABILITATION

SEE ALSO BLOOD AND RE SYSTEM, LYMPHATIC DUCT DRAINAGE

SEE ALSO BLOOD CELL DEPLETION THERAPY, LEUKOCYTE DEPLETION

SEE ALSO BLOOD CELL DEPLETION THERAPY, LYMPHOCYTE DEPLETION

SEE ALSO BLOOD CELL DEPLETION THERAPY, B LYMPHOCYTE DEPLETION

SEE ALSO BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION

SEE ALSO BLOOD TREATMENT, HEMODIALYSIS

SEE ALSO BLOOD TREATMENT, LEUKAPHERESIS

SEE ALSO BLOOD TREATMENT, PLASMAPHERESIS

SEE ALSO BLOODLETTING

SEE ALSO BODY FLUID BALANCE THERAPY

SEE ALSO DRUGS, CHEMOTHERAPY

SEE ALSO DRUGS ABUSE, DRUGS ADDICTION TREATMENT AND REHABILITATION

SEE ALSO EYE EXERCISES

SEE ALSO GENETIC DISORDERS, GENE THERAPY

SEE ALSO HEALTH CARE SERVICES, PHYSICAL THERAPY

SEE ALSO INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY

SEE ALSO NEOPLASTIC THERAPY

SEE ALSO PHOTOTHERAPY

SEE ALSO PREGNANCY LOSS, ABORTION INDUCED

SEE ALSO PSYCHOLOGY, CONDITIONING, AUTOGENIC

SEE ALSO PSYCHOTHERAPY

SEE ALSO RADIATION THERAPY

SEE ALSO RESPIRATORY ASSIST AND OXYGEN ADMINISTRATION

SEE ALSO TEMPERATURE (BODY), HYPERTHERMIA INDUCED, DIATHERMY

SEE ALSO TEMPERATURE (BODY), HYPOTHERMIA INDUCED, CRYOTHERAPY

SEE ALSO TISSUE THERAPY

R01AA-00380-02 Women and alcohol

- ** P01CA-15704-01 0035 Cancer center support grant - Northwest cooperative cancer study group
- P01DA-00250-03 0018 Research center-Studies of drug dependence and abuse - Narcotic addiction in pregnant women and newborns
- R01DA-00291-02 History of opiate dependence
- N01DA-10102-04 Training for drug abuse programs personnel
- ** N01DA-20092-03 Short course training center on drug abuse treatment
- N01DA-30160-00 Services to narcotic addicts
- P01DE-01697-12 0011 Interdisciplinary studies in cleft palate - Early ear management effect upon speech and language development
- ** P10ES-00928-01 0037 Environmental agents-Relation to human health effects - Neutralization of inorganic microparticles in vivo (microorganisms, mammals)
- P01GM-19443-03 0022 Problems in clinical genetics - Aminoacidurias (human, monkeys)
- N01HB-33019-01 Sickle cell and hemolytic disease cooperative study group
- P01HD-00668-16 0023 Aging and the aged - Hyperbaric oxygenation, behavior, and EEG in the aged
- P01HD-01799-09 0009 Mental retardation research center - Growth regulatory mechanisms (rats, human)
- P01HD-01799-09 0027 Mental retardation research center - Aberrant development and its modification
- P01HD-01799-09 0056 Mental retardation research center - Metabolic acidosis in respiratory distress syndrome (human)
- P01HD-01799-09 0057 Mental retardation research center - Mechanisms and therapy of hyperbilirubinemia-Kernicterus (human)
- N01HL-12327-03 Contribution of basic science to heart and lung
- N01HV-12435-09 Therapy for hypertension in the general population
- ** N01HV-12437-05 Therapy for hypertension in the general population
- N01HV-22939-05 Hypertension detection and follow-up program center
- N01HV-22945-05 Cooperative hypertension detection and follow-up study (human)
- ** R03MH-23967-01 The sociology of acceptance of therapies
- N01MH-30163-00 Conference on joint treatment of drug addicts and alcoholics
- N01NS-12281-08 Diagnosis and treatment of hearing loss in infants

(cont'd)

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N Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- MO1RR-00034-14 0085 General clinical research center - Duchenne muscular dystrophy-New approach to therapy (human)
- MO1RR-00036-14 0122 General clinical research center - Treatment of diabetic complications (human)
- MO1RR-00036-14 0171 General clinical research center - Physiologic diagnosis and therapy of neurogenic bladder (human)
- MO1RR-00036-14 0172 General clinical research center - Combined medical-surgical approach to renal disease (human)
- MO1RR-00036-14 0198 General clinical research center - Treatment of subacute sclerosing panencephalitis (human)
- MO1RR-00055-13 0044 General clinical research center - Therapy of cardio-and skeletal myopathies (human)
- MO1RR-00059-13 0149 General clinical research center - Infusion therapy for extensive arteriovenous malformations (human)
- MO1RR-00062-12 0038 Clinical research center, children - Hemolytic anemias-Management of acute episodes
- MO1RR-00076-12 0091 General clinical research center - Protein loss in trauma-Protein sparing therapy in semi-starvation (human)
- MO1RR-00076-12 0095 General clinical research center - Hemodynamic concomitants of therapy of hypercalcemia (human)
- MO1RR-00082-12 0093 General clinical research center - Mechanism and therapy of ketotic hypoglycemia (human)
- MO1RR-00095-14 0060 General clinical research center - Therapy for sickle cell vaso-occlusive crisis (human)
- MO1RR-00229-09 0062 General clinical research center - Treatment of liver failure tyrosinemia and methioninemia (human)
- MO1RR-00318-08 0062 General clinical research center - Treatment of acute hypercalcemia (human)
- MO1RR-00633-02 0025 General clinical research center - Effects of treatment on exercise tolerance in hyperlipoproteinemia (human)
- MO1RR-00749-02 0049 General clinical research center - Treatment of glycogen storage disease, type I (human)
- THERAPY, ACUPUNCTURE**
- PO1AM-01431-18 0006 Rheumatic diseases - Clinical pharmacology
- ** PO1CA-15655-01 0032 Cancer center support grant - Acupuncture treatment for relief of pain (human)
- ** RO1DE-03951-01 Acupuncture and dental pain (human)
- ** RO1GM-20450-01 Acupuncture anesthesia and analgesia (human)
- ** RO1GM-20621-02 Hypno-and acupuncture analgesia-Physiological study (human)
- ** RO1GM-21099-01 A controlled study of acupuncture and skin sensation (human)
- ** RO1HL-16056-01 Evaluation of acupuncture in hypertension therapy (human)
- RO1LM-02109-01 Traditional chinese medicine
- RO1MH-13279-08 Neuroendocrine mechanisms in behavior (rats)
- ** RO3MH-23967-01 The sociology of acceptance of therapies
- THERAPY, BURN THERAPY**
- ** PO2AI-06320-10 0005 Transplantation immunology center - Burn study (children)
- RO1AM-10956-08 Cell ultrastructure and function (human, mammals, nonhuman)
- RO1AM-11028-08 Morphochemical studies with light and electron microscopy (rodents, human)
- ** RO1GM-16973-05 Biochemical effects of burning on skin (rabbits, mice, human)
- ** NO1NU-34014-02 Course for nursing care in burns
- THERAPY, CAUTERY**
- PO1CA-12707-03 0002 Cancer epidemiology program grant - Cervix cancer (human)
- PO1NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
- THERAPY, CAUTERY, ELECTROCAUTERY**
- RO1CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
- THERAPY, CAUTERY, PHOTOCOAGULATION THERAPY**
- PO2CA-13696-02 0038 Clinical cancer research center - Angiomatous tumors (human)
- PO1EY-00331-08 0005 Retinal morphology, function and clinical characteristics - Morphology and function (human, rats, rabbits)
- P15EY-00338-09 0002 A study of macular disease - Idiopathic central serous choriopathy (human)
- P15EY-00338-09 0003 A study of macular disease - Drusen and senile disciform macular degeneration
- P15EY-00338-09 0004 A study of macular disease - Follow-up study of patients with the presumed ocular histoplasmosis syndrome
- ** P15EY-00338-09 0007 A study of macular disease - Photocoagulation of cystoid macular edema in diabetic retinopathy (human)
- P15EY-00492-08 Ophthalmic OPD clinical research project (human)
- ** PO1EY-00523-13 0006 Sensory disease clinical research center (eye disorders) - Photocoagulation in treatment of retinal diseases (human)
- PO1EY-00523-13 0008 Sensory disease clinical research center (eye disorders) - Multifocal choroiditis and macular hemorrhage (human)
- ** PO1EY-00523-13 0021 Sensory disease clinical research center (eye disorders) - Peripharal retinopathies-Natural course and effect of photocoagulation (human)
- RO1EY-00926-01 ERG and VECF as indices of photopic dysfunction (human)
- ** RO1EY-01034-01 Collaborative study of diabetic retinopathy (human)
- ** RO1EY-01037-01 Collaborative diabetic retinopathy study (human)
- ** RO1EY-01046-01 Collaborative study of diabetic retinopathy (human)
- RO1EY-01261-01 0003 Image processing for clinical ophthalmology - Retinal circulation time in diabetes (human)
- ** NO1EY-32118-03 Diabetic retinopathy study (human)
- ** NO1EY-32119-02 Diabetic retinopathy study (human)
- ** NO1EY-32121-02 Diabetic retinopathy study (human)
- ** NO1EY-32122-02 Diabetic retinopathy study (human)
- ** NO1EY-32123-02 Diabetic retinopathy study (human)
- ** NO1EY-32124-02 Diabetic retinopathy study (human)
- ** NO1EY-32125-02 Diabetic retinopathy study (human)
- ** NO1EY-32126-03 Diabetic retinopathy study (human)
- ** NO1EY-32127-03 Diabetic retinopathy study (human)
- ** NO1EY-32129-02 Diabetic retinopathy study (human)
- ** NO1EY-32130-02 Diabetic retinopathy study (human)
- ** NO1EY-42128-02 Diabetic retinopathy study (clinical)
- ** NO1EY-42142-02 Diabetic retinopathy-study (clinical)
- ** NO1EY-42170-00 Diabetic retinopathy study (clinical)
- ** NO1EY-42171-00 Diabetic retinopathy study (clinical)
- ** NO1EY-42172-00 Diabetic retinopathy study (clinical)
- ** NO1EY-42173-00 Diabetic retinopathy study-clinical center (human)
- P17HL-14182-04 0008 A special center of research in thrombosis - Coagulation changes in diabetic retinopathy (human)
- P18HL-15168-03 0005 Comprehensive sickle cell disease center - Ocular therapy, clinical investigations, and counseling
- PO1NS-03354-13 0009 Neurosensory center - Electron microscopy (human, animals)
- MO1RR-00722-02 0006 General Clinical Research Center - Natural history of diabetic retinopathy (human)
- THERAPY, PLACEBO EFFECT**
- RO1AM-04401-14 Relation of treatment to diabetic complications (human)
- RO1AM-04403-14 Relation of treatment to diabetic complications (human)
- RO1AM-04412-14 Relation of treatment to diabetic complications (human)
- RO1AM-04495-14 Relation of treatment to diabetic complications (human)
- RO1AM-05422-13 Relation of treatment to diabetic complications (human)
- RO1AM-05648-14 Relation of treatment to diabetic complications (human)
- RO1AM-06737-12 Relation of treatment to diabetic complications (human)
- RO1AM-06739-12 Relation of treatment to diabetic complications (human)
- RO1AM-06744-12 Relation of treatment to diabetic complications (human)
- RO1AM-06876-12 Relation of treatment to diabetic complications (human)
- RO1AM-07601-11 Relation of treatment to diabetic complications (human)
- RO1AM-07854-11 Relation of treatment to diabetic complications (human)
- RO1AM-09113-11 Relation of treatment to diabetic complications (human)
- PO2CA-11911-04 0008 Clinical cancer center - Analgesics and narcotics in patients with advanced cancer
- P11GM-15759-08 0026 Clinical pharmacology in rheumatic and muscular diseases - Azathioprine resistance and sensitivity-Dose requirements (human)
- RO1HL-11116-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11374-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-14487-01 Hypertension in the young inner city female
- RO1HL-16056-01 Evaluation of acupuncture in hypertension therapy (human)
- ** RO1MH-08954-10 Methodology of outpatient drug research (human)
- RO1MH-14432-07 Early screening and long-term drug therapy of children
- RO1MH-17728-05 Follow-up of maintenance treatment for depression (human)
- RO1MH-18579-04 Comparative drug effects in hyperkinetic children
- RO1NS-10720-01 Investigations of vitamin B6 in Down's syndrome (human)
- PO1NS-11131-01 0012 Extrapyramidal and related behavioral disorders - Apomorphine in parkinsonian patients on or off levodopa
- PO1NS-11131-01 0013 Extrapyramidal and related behavioral disorders - Administration of apomorphine orally (human)
- MO1RR-00039-14 0084 General clinical research center - Effects of Schering 10595 on essential diastolic hypertension (human, animals)
- MO1RR-00400-06 0012 General clinical research center-adult - Prednisone-imuran therapy for nephrotic syndrome (human)
- THERAPY, ULTRASONIC THERAPY**
- ** RO1CA-16111-01 Local ultrasonic hyperthermia for tumor therapy (cats)
- ** RO1EY-00275-08 Ultrasonic measurement of optical dimensions (human, monkeys, cats)
- ** RO1FD-00665-02 Ultrasonic toxicity study
- ** RO1FD-00680-01 Diagnostic ultrasound-injury thresholds and mechanisms (cats)
- RO1GM-20661-01 Effect of exposure of the prenatal rat to ultrasound
- THERAPY EVALUATION**
- RO1AA-00261-04 Avoidance conditioning of alcoholics (human)
- R18AA-00457-03 Community reinforcement for treating alcoholics
- ** R18AA-00472-02 Evaluation of outpatient care for alcoholics
- R18AA-00487-03 Utilization of A A in a comprehensive alcoholism system
- ** RO1AA-00496-03 Self-help techniques in the treatment of alcoholics
- ** RO1AA-00498-03 0016 Clinical studies of alcohol use and abuse - Comparative evaluation of alcohol treatment programs
- R18AA-00543-03 Cheyenne-Arapaho alcoholic rehabilitation center
- ** RO1AA-01203-01 Testing an input-output model for NAAA treatment programs
- R18AA-01583-01 Alcoholism service delivery project
- ** NO1AA-30102-00 Accreditation standard for alcoholism programs and facilities
- ** NO1AA-30106-00 Operation and support for alcoholic treatment center monitoring system
- ** RO1AI-01303-18 Clinical and immunologic effects of specific immunotherapy (human, guinea pigs)
- ** NO1AI-02283-04 Metabolism of dapsone in leprosy patients
- RO1AI-04866-12 A study of allergy to ragweed pollen (human)
- RO1AI-06311-09 Epidemiology of E coli infections (human, rats)
- RO1AI-06578-10 Therapy of isoniazid resistant mycobacterioses (human)
- RO1AI-07073-08 Developmental and genetic defects of immunity (human, rabbits, rats)
- RO1AI-08104-07 Reaginic antibody in ragweed hay fever (human)
- RO1AI-08270-07 An in vitro approach to problems of clinical allergy (human)
- ** RO1AI-09232-04 Hapten hyposensitization (human-clinical, primates, rodents, plants, rabbits)
- RO1AI-09251-05 Amebic (Acanthamoeba) meningoencephalitis (human, mice)
- PO1AI-11313-02 0001 Humoral, cellular and genetic mechanisms in autoimmunity - Information handling in clinical research (human)
- PO1AI-11313-02 0002 Humoral, cellular and genetic mechanisms in autoimmunity - Response to therapy of systemic lupus erythematosus and related diseases (human)
- RO1AI-11363-02 Mycoplasmas in venereal infections (human)
- RO1AI-11641-01 Pseudomonas chemotherapy-Antagonism by cations (mice, guinea pigs)
- ** NO1AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
- ** NO1AI-22507-03 Clinical evaluation of respiratory vaccines in children and infants
- NO1AI-22521-04 Study of BCG vaccination by aerosol route in monkeys
- NO1AI-22540-04 Evaluation of ALG as immunosuppressive agent (human)
- NO1AI-32517-03 Surveillance of pneumococcal infection and evaluation of vaccines
- ** NO1AI-42511-00 Clinical evaluation of inactivated influenza virus vaccines
- ** NO1AI-42512-00 Testing of M pneumoniae vaccine (human)
- NO1AI-42523-00 New antiviral compounds and interferon in rabies prevention (human, animals)
- NO1AI-42527-00 Evaluate human interferon in disseminated varicella-zoster infections
- ** NO1AI-42541-00 Operation of pneumococcal polysaccharide reference laboratory
- RO1AM-01567-18 Action and clinical evaluation of growth hormone (human, rats)
- RO1AM-02133-17 0032 Clinical studies of ulcerative colitis - Azathioprine (Imuran) for ulcerative colitis
- RO1AM-02133-17 0045 Clinical studies of ulcerative colitis - Azathioprine in the management of Crohn's disease

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ROIAM-02723-16 Study of pancreatitis and its treatment
 ** ROIAM-04401-14 Relation of treatment to diabetic complications (human)
 ROIAM-04403-14 Relation of treatment to diabetic complications (human)
 ROIAM-04412-14 Relation of treatment to diabetic complications (human)
 ROIAM-04495-14 Relation of treatment to diabetic complications (human)
 ROIAM-05422-13 Relation of treatment to diabetic complications (human)
 ROIAM-05648-14 Relation of treatment to diabetic complications (human)
 ROIAM-06737-12 Relation of treatment to diabetic complications (human)
 ROIAM-06739-12 Relation of treatment to diabetic complications (human)
 ROIAM-06744-12 Relation of treatment to diabetic complications (human)
 ROIAM-06876-12 Relation of treatment to diabetic complications (human)
 ROIAM-07126-11 Metabolism of human bone
 ROIAM-07601-11 Relation of treatment to diabetic complications (human)
 ROIAM-07642-11 Long acting thyroid stimulator (human)
 ROIAM-07854-11 Relation of treatment to diabetic complications
 ROIAM-07937-12 Immunosuppression (mice)
 ROIAM-09113-11 Relation of treatment to diabetic complications (human)
 ROIAM-09810-09 Membrane antigens and autoantibodies (human)
 ** ROIAM-10370-09 Metabolic abnormalities in rheumatoid arthritis
 R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
 ** ROIAM-11674-08 0001 Bone metabolism in chronic disorders - Studies in vitamin D3 metabolism (human, rats)
 ** ROIAM-11674-08 0002 Bone metabolism in chronic disorders - Studies in Pagets disease (human)
 ** P02AM-13083-06 0001 Organ transplantation - Clinical studies of renal transplantation
 ROIAM-13854-11 Kinematic studies of normal and abnormal locomotion (human)
 ** ROIAM-13857-04 Lithocholate and human liver disease (monkeys)
 ROIAM-14106-04 Growth hormone secretion rates (human, monkeys)
 ROIAM-14545-05 Carotenoid therapy of photosensitive porphyria (human)
 ROIAM-14676-10 Oral hypoglycemic agents in asymptomatic diabetes (human)
 ROIAM-15010-03 Investigations of rigid hemoglobin syndromes (human, animals)
 ROIAM-15159-04 Immunohistopathology of renal diseases (human, rabbits)
 ROIAM-15316-04 Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats)
 ROIAM-15379-03 Lipases of sebaceous follicles relation to acne (human)
 ** ROIAM-15391-04 Cooperative studies in rheumatoid arthritis (human)
 ROIAM-15541-03 Glomerular permeability in renal disease (human, rabbits)
 ROIAM-15603-03 Therapeutic value of augmented nitrogen reutilization (human, rabbits)
 ROIAM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
 ROIAM-15887-03 Human gallstones-Therapeutic trial with bile acids
 ROIAM-16125-03 Pathogenesis of immune thrombocytopenia (human)
 ROIAM-16600-01 In vivo loading on hip and knee joint replacements (human)
 P17AM-17328-01 0002 Peptic ulcer center - Antiacids in peptic ulcer treatment (human)
 P17AM-17328-01 0006 Peptic ulcer center - Effect of single dose and long term calcium on gastric acid secretion (human)
 P17AM-17328-01 0008 Peptic ulcer center - Effect of metiamide on basal and meal stimulated gastric acid (human)
 P17AM-17328-01 0010 Peptic ulcer center - Pain relief by antacids (human)
 P17AM-17328-01 0011 Peptic ulcer center - Synthetic secretion treatment of duodenal ulcer (human)
 ** ROIAM-17359-01 Enhancement of articular cartilage repair (mammals)
 ROIAM-17388-02 Immunologic studies in glomerulonephritis (human, rabbits)
 ** ROIAM-17432-01 Quantitated function correlated with physical impairment
 ROIAM-17538-10 Mucopolysaccharide metabolism in exophthalmos (human)
 ** NOIAM-22225-02 Computerized data bank to assess adequacy of dialysis
 ** NOIAM-32201-02 Efficiency of oxidized starch as intestinal absorbent in uremia (human)
 ** NOIAM-32204-02 Osteoporosis-Certain nutritional factors and therapeutic management trial
 ** NOIAM-42216-00 Multivariate analysis of dialysis efficacy, relation to access methods (human)
 NOIAM-80707-12 Low protein diet on albumin metabolism in chronic uremia (human)
 ** NOIAM-90070-05 Study on oxystarch and uremia
 ** R10CA-02599-20 Acute leukemia group B (human)
 ** R10CA-02649-18 Childrens cancer study group A
 ** R10CA-02822-19 Eastern cooperative oncology group (human)
 ** R10CA-02824-19 Eastern cooperative oncology group
 R10CA-02971-18 Childrens cancer study group A
 ** R10CA-03013-18 Southeastern cancer chemotherapy study group
 ** R10CA-03096-17 Southwest cancer chemotherapy cooperative study group
 ** R10CA-03161-17 Southwest cancer chemotherapy cooperative study group
 ** R10CA-03177-18 Southeastern cancer study group
 ** R10CA-03195-17 Southwest cancer chemotherapy study group
 ** R10CA-03227-18 Southeastern cancer study group
 R10CA-03357-17 Cooperative study of breast cancer
 R10CA-03358-17 Cooperative breast cancer group
 R10CA-03359-17 Cooperative breast cancer group
 R10CA-03364-17 Cooperative breast cancer group
 R10CA-03376-18 Southeastern cancer study group
 ** R10CA-03389-16 Southwest cancer chemotherapy cooperative study group
 ** R10CA-03392-17 Southwestern cooperative chemotherapy study
 ** R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
 ** R10CA-03526-17 Childrens cancer study group A
 ** R10CA-03664-16 Cooperative breast cancer group
 ** R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
 ** R10CA-03735-17 Acute leukemia group B
 R10CA-03740-16 Cooperative breast cancer group (human)
 ** R10CA-03750-17 Childrens cancer study group A
 ** R10CA-03754-17 Southwest cancer chemotherapy study group-Data management
 R10CA-03764-16 Cooperative breast cancer group
 R10CA-03888-17 Childrens cancer study group A
 ** R10CA-03927-17 Acute leukemia group B (human)
 ** R10CA-04326-16 Acute leukemia group B
 ** R10CA-04457-15 Acute leukemia group B
 R10CA-04594-14 Cooperative breast cancer group
 R10CA-04646-15 Acute leukemia group B
 ** R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
 ** R10CA-04919-15 Southwest cancer chemotherapy cooperative study group
 ** R10CA-04920-15 Southwestern cooperative chemotherapy study group
 ** R10CA-05186-14 Western cancer study group
 R10CA-05436-14 Childrens cancer study group A
 ** R10CA-05462-14 Acute leukemia cooperative study group B
 ** R10CA-05587-14 Southwest cancer chemotherapy study group (human)
 ** R10CA-05588-14 Eastern cooperative oncology group
 ** R10CA-05634-14 Southeastern cancer study group
 ** R10CA-05641-14 Southeastern cancer study group
 ** R10CA-05654-14 Evaluation of supervoltage therapy (human)
 ** P02CA-05826-13 0034 Clinical cancer research center - Cancer Chemotherapy Central Clinical Facility
 P02CA-05826-13 0036 Clinical cancer research center - Cancer immunobiology-immunological reconstitution in immunodeficiency
 P02CA-05826-13 0044 Clinical cancer research center - Medical and metabolic studies-malignant ascites
 ** P02CA-05826-13 0045 Clinical cancer research center - Medical and metabolic studies-thyrotropin releasing hormone in thyroid cancer
 ** P02CA-05826-13 0048 Clinical cancer research center - Medical and metabolic studies-effect of calcitonin on hypercalcemia
 ** P02CA-05826-13 0053 Clinical cancer research center - Human growth hormone in controlling massive hemorrhage from stress erosions
 P02CA-05826-13 0065 Clinical cancer research center - Hypertremia in cancer patients
 P02CA-05826-13 0068 Clinical cancer research center - Gastrointestinal manifestations of malignant lymphoma
 P02CA-05826-13 0070 Clinical cancer research center - Monitoring intracranial pressure (human)
 ** P02CA-05826-13 0074 Clinical cancer research center - Fast and slow radiotherapy of metastatic brain tumors (human)
 ** P02CA-05826-13 0075 Clinical cancer research center - Radiation therapy versus surgery for cord compression (human)
 P02CA-05826-13 0076 Clinical cancer research center - Radiation, CCNU and steroids for malignant melanoma (human)
 ** P02CA-05826-13 0077 Clinical cancer research center - Surgery versus radiation therapy for single metastases (human)
 ** P02CA-05826-13 0078 Clinical cancer research center - Chemotherapy of primary and metastatic tumors (human)
 ** P02CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
 P02CA-05826-13 0083 Clinical cancer research center - Clinical hepatic transplantation for cancer
 P02CA-05826-13 0085 Clinical cancer research center - Endocrine profile in prostatic cancer (human)
 ** P02CA-05826-13 0088 Clinical cancer research center - Pediatric oncology-embryonal rhabdomyosarcoma
 ** P02CA-05826-13 0089 Clinical cancer research center - Pediatric oncology-Ewing's sarcoma
 P02CA-05826-13 0090 Clinical cancer research center - Pediatric oncology-osteogenic sarcoma
 P02CA-05826-13 0091 Clinical cancer research center - Pediatric oncology-Hodgkin's disease
 ** P02CA-05831-13 0003 Cancer clinical research - Pituitary tumors and effect of various treatments and managements
 P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
 ** P02CA-05831-13 0014 Cancer clinical research - Treatment of advanced melanoma
 P02CA-05831-13 0026 Cancer clinical research - Studies of leukocyte physiology (human)
 ** P02CA-05831-13 0032 Cancer clinical research - New cancer chemotherapeutic agents
 M P02CA-05834-13 Cancer clinical research center
 P02CA-05834-13 0007 Cancer clinical research center - Bone marrow culture (human, mice)
 P02CA-05834-13 0031 Cancer clinical research center - Cancer therapy with epipodophylotoxin (human)
 ** P02CA-05834-13 0034 Cancer clinical research center - Assays for drug sensitivity before and after chemotherapy
 P02CA-05834-13 0035 Cancer clinical research center - Subcellular morphological diagnosis of acute leukemia
 P02CA-05834-13 0036 Cancer clinical research center - Patient data-Collection and analysis
 ** P02CA-05834-13 0037 Cancer clinical research center - Immunotherapy studies-Leukemia (human)
 ** P02CA-05834-13 0039 Cancer clinical research center - Acute myelocyte leukemia (human)
 ** P02CA-05834-13 0040 Cancer clinical research center - Acute lymphocytic leukemia (human)
 ** P02CA-05834-13 0041 Cancer clinical research center - Multiple myeloma (human)
 P02CA-05834-13 0042 Cancer clinical research center - Lymphoma (human)
 P02CA-05834-13 0043 Cancer clinical research center - Carcinoma of the breast (human)
 P02CA-05834-13 0044 Cancer clinical research center - Lung cancer (human)
 P02CA-05834-13 0045 Cancer clinical research center - Gastrointestinal cancer (human)
 P02CA-05834-13 0046 Cancer clinical research center - Malignant melanoma
 P02CA-05834-13 0047 Cancer clinical research center - Central nervous system neoplasms (human)
 P02CA-05834-13 0048 Cancer clinical research center - Gynecologic cancers (human)
 ** P02CA-05834-13 0049 Cancer clinical research center - Osteosarcoma (human)
 P02CA-05834-13 0050 Cancer clinical research center - Cancer therapy with platinum complexes (human)
 P02CA-05834-13 0051 Cancer clinical research center - Cancer therapy with nitrosourea-imidazole carboxamide combination (human)
 P02CA-05834-13 0052 Cancer clinical research center - Cancer therapy with cytamabene (human)
 P02CA-05834-13 0053 Cancer clinical research center - Cancer therapy with crystalline antibiotic (human)
 P02CA-05834-13 0055 Cancer clinical research center - Clinical evaluation of granulocyte transfusion (human)
 M P02CA-05838-13 Clinical radiotherapy cancer research center
 P02CA-05838-13 0005 Clinical radiotherapy cancer research center - Non-Hodgkin's lymphoma
 P02CA-05838-13 0008 Clinical radiotherapy cancer research center - Combined chemo- and radiotherapy of brain tumors
 P02CA-05838-13 0018 Clinical radiotherapy cancer research center - Mycosis fungoides protocol
 ** P02CA-05838-13 0021 Clinical radiotherapy cancer research center - Testicular tumors
 ** P02CA-05838-13 0022 Clinical radiotherapy cancer research center - Orbital radiotherapy for Graves' ophthalmopathy
 P02CA-05838-13 0023 Clinical radiotherapy cancer research center - Hodgkin's disease
 ** P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
 ** P02CA-06294-13 0003 Radiotherapy research - Carcinoma of the breast (human)
 P02CA-06294-13 0006 Radiotherapy research - Genito-urinary tract (human)
 ** P02CA-06294-13 0007 Radiotherapy research - Hyperbaric oxygen and radiation therapy (human)
 ** P02CA-06294-13 0011 Radiotherapy research - Bronchogenic carcinoma (human)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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- ** P02CA-06294-13 0012 Radiotherapy research - Carcinoma of the esophagus (human)
P02CA-06294-13 0013 Radiotherapy research - Modification in radiation therapy techniques (human)
- ** P02CA-06294-13 0015 Radiotherapy research - Pediatric tumors
- ** P02CA-06294-13 0017 Radiotherapy research - Computer program
P02CA-06516-12 0005 Cancer center support grant-Comprehensive - Evaluation of diagnostic techniques (human)
- ** P02CA-06516-12 0006 Cancer center support grant-Comprehensive - Pediatric neoplasms
P02CA-06516-12 0007 Cancer center support grant-Comprehensive - Adult solid tumors
P02CA-06516-12 0008 Cancer center support grant-Comprehensive - Hematologic malignancies
P02CA-06516-12 0010 Cancer center support grant-Comprehensive - Cytokinetics-Experimental and clinical (human)
P02CA-06516-12 0011 Cancer center support grant-Comprehensive - Blood products and supportive care (human, rats)
- ** P02CA-06518-11 0020 Radiation and radiobiology research center - Delayed hypersensitivity response in cancer (human)
P02CA-06518-11 0021 Radiation and radiobiology research center - Psychological factors affecting recovery from malignant tumors
- ** P02CA-06518-11 0032 Radiation and radiobiology research center - Invasive carcinoma of the cervix (human)
P02CA-06519-12 0043 Radiation therapy and biology research program - Preoperative radiation in carcinoma of the rectum (human)
P02CA-06519-12 0048 Radiation therapy and biology research program - Chemotherapy and low dose radiotherapy in Hodgkin's disease (human)
P02CA-06519-12 0051 Radiation therapy and biology research program - Treatment of carcinoma of bladder
- ** P02CA-06519-12 0052 Radiation therapy and biology research program - Followup on radiotherapy of Hodgkins disease
- ** P02CA-06519-12 0054 Radiation therapy and biology research program - Natural history of lymphosarcoma and role of radial and palliative therapy
- ** P02CA-06519-12 0057 Radiation therapy and biology research program - Evaluation of radiotherapy in carcinoma of the endometrium (human)
- ** R10CA-06594-12 Eastern cooperative oncology group
** R10CA-06800-12 Western cooperative cancer chemotherapy group
** R10CA-06807-12 Southeastern cancer chemotherapy cooperative study group
P02CA-06973-12 0001 Integrated clinical cancer research program - Therapy of acute leukemia of the adult (human, mice)
P02CA-06973-12 0002 Integrated clinical cancer research program - Therapy of lymphosarcoma-reticulum cell sarcoma
- ** P02CA-06973-12 0015 Integrated clinical cancer research program - Selected solid tumors (human)
- ** P02CA-06973-12 0016 Integrated clinical cancer research program - Plasma cell dyscrasia (human)
- ** P02CA-06973-12 0017 Integrated clinical cancer research program - Malignant melanoma (human)
- ** P02CA-06973-12 0018 Integrated clinical cancer research program - Pediatric tumors (human)
P02CA-06973-12 0030 Integrated clinical cancer research program - Pharmacology (rats)
- ** P02CA-07177-11 0012 Clinical cancer research center - Clinical therapeutic study-Improved combination chemotherapy
- ** R10CA-07190-12 Eastern cooperative oncology group
P02CA-07304-11 0016 Steroid hormone production and metabolism in cancer - Effect of caluosterone on estradiol metabolism (human)
R10CA-07306-11 Childrens cancer study group A
** P02CA-07357-10 0014 Special children's cancer center program - Periodic reinforcement therapy in children with acute leukemia
P02CA-07357-10 0015 Special children's cancer center program - Transient diabetes mellitus secondary to L-asparaginase in acute leukemia
P02CA-07357-10 0016 Special children's cancer center program - Independent chemotherapy studies (human)
R10CA-07431-11 Childrens cancer group A
** R10CA-07439-11 Childrens cancer study group A
** R10CA-07585-11 Western conference cancer chemotherapy group
R10CA-07757-10 Acute leukemia group B (human)
R10CA-07918-10 Chemotherapy of acute leukemia
R10CA-07961-10 Southeastern cancer study group
R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
- ** P02CA-08023-10 0076 Cancer clinical research center - Adriamycin in treatment of nonlymphomatous sarcomas
** R10CA-08025-10 Acute leukemia group B
** R10CA-08223-08 Southwest cancer chemotherapy study group
- ** P02CA-08341-09 0005 Clinical pharmacology and cancer chemotherapy - Methotrexate-asparaginase
** P02CA-08341-09 0017 Clinical pharmacology and cancer chemotherapy - L-Dopa in Parkinson's disease
** P02CA-08341-09 0020 Clinical pharmacology and cancer chemotherapy - Phase I studies with carboxypeptidase G-1
** P02CA-08341-09 0034 Clinical pharmacology and cancer chemotherapy - CCNU
** P02CA-08341-09 0035 Clinical pharmacology and cancer chemotherapy - Adriamycin
** P02CA-08341-09 0036 Clinical pharmacology and cancer chemotherapy - CAM in solid tumors
** P02CA-08341-09 0037 Clinical pharmacology and cancer chemotherapy - CAM in acute leukemia
** P02CA-08341-09 0038 Clinical pharmacology and cancer chemotherapy - Head and neck neoplasms chemotherapy
** P02CA-08341-09 0039 Clinical pharmacology and cancer chemotherapy - Hodgkin's disease-chemotherapy and radiotherapy
** P02CA-08341-09 0045 Clinical pharmacology and cancer chemotherapy - Experimental tumor chemotherapy (mice)
P02CA-08480-09 0018 Childhood cancer research center - Treatment of malignant solid tumors in children
** P02CA-08480-09 0019 Childhood cancer research center - Treatment of acute myelocytic leukemia (human)
P01CA-08748-09 5413 Research program of Sloan-Kettering Institute - Combination and single agents-survival of myeloma-bearing mice
** P01CA-08748-09 5415 Research program of Sloan-Kettering Institute - Remission of rat mammary adenocarcinomas by selected drugs
P01CA-08748-09 5524 Research program of Sloan-Kettering Institute - Biomedical computer research project
P01CA-08748-09 5535 Research program of Sloan-Kettering Institute - Therapy of chondrosarcoma and chordoma with 5-35 (human)
P01CA-08748-09 5536 Research program of Sloan-Kettering Institute - Calcium deposition in bone lesions following radiotherapy (human)
P01CA-08748-09 5602 Research program of Sloan-Kettering Institute - Healing stress ulcers by growth hormone (human)
- ** P01CA-08748-09 5605 Research program of Sloan-Kettering Institute - Clinical effects of adrenal steroids on renal function in cancer patients
P01CA-08748-09 5609 Research program of Sloan-Kettering Institute - Phosphate treatment on calcium metabolism in hyperparathyroidism (human)
P01CA-08748-09 5613 Research program of Sloan-Kettering Institute - Chemotherapy trials on transplanted gliomas in mice
P01CA-08748-09 5638 Research program of Sloan-Kettering Institute - Effect of calcitonin on hypercalcemia of cancer patients
** P01CA-08748-09 6201 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in adults
** P01CA-08748-09 6202 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in children
P01CA-08748-09 6207 Research program of Sloan-Kettering Institute - Proliferation kinetics of cancer cells related to therapy (human)
P01CA-08748-09 6208 Research program of Sloan-Kettering Institute - Proliferation of human lymphoblastoid cells related to therapy
** P01CA-08748-09 6301 Research program of Sloan-Kettering Institute - Intrathecal radiogold in meningeal tumors (children)
P01CA-08748-09 6302 Research program of Sloan-Kettering Institute - Cystathionine and vanillylmandelic excretion in neuroblastoma (human)
** P01CA-08748-09 6305 Research program of Sloan-Kettering Institute - Colloidal phosphorus and gold in treating ascitic tumors in mice
** P01CA-08748-09 6312 Research program of Sloan-Kettering Institute - Dose-response curves of skin lesions to electron beam radiation (human)
** P01CA-08748-09 7205 Research program of Sloan-Kettering Institute - Effect of natural products on mouse leukemia
P01CA-08748-09 7415 Research program of Sloan-Kettering Institute - Distribution of leukemic cells and effect of antifolate therapy (mice)
** R10CA-08859-08 Leukemia center (platelets) program-SWG
** R10CA-08970-08 Pathology center for lymphoma clinical trial studies (human)
R10CA-10042-07 Protected environment and cancer chemotherapy (human, dogs)
** R10CA-10044-08 Chemotherapy of man in a protected environment (human)
** R10CA-10186-08 Western cancer study group
** R10CA-10187-06 Southwest cancer chemotherapy cooperative study group
** R10CA-10198-07 Childrens cancer study group A (human)
R01CA-10267-08 Immunological lysis in neoplastic disease
** R10CA-10376-07 Southwest cancer chemotherapy study group
- ** R10CA-10378-08 Gynecologic oncology group statistical service
** R10CA-10379-06 Southwest cancer chemotherapy study group
** R10CA-10382-08 Childrens cancer study group A
P02CA-10438-08 0030 Clinical radiation therapy research center - Urinary cholesterol as a diagnostic tool
R10CA-10456-07 Acute leukemia group B operations office
** R10CA-10572-06 Eastern cooperative oncology group
R01CA-10661-07 Surgical treatment of colo-rectal cancer, new technique (human)
** R10CA-10728-07 Polycythemia vera study group central office
** P01CA-10748-07 0001 Cancer chemotherapy program - Pharmacological and therapeutic aspects of L-asparaginase (human, mice)
** P01CA-10815-06 0017 Consolidated basic cancer research program - Immunotherapeutic and immunoprophylactic techniques in canine and murine tumors
** R10CA-10948-06 Eastern cooperative oncology group
** R10CA-11028-07 Acute leukemia group B
** P02CA-11051-06 0029 Clinical radiation research center - Evaluation of pituitary adenoma irradiation (human)
P02CA-11067-05 0013 Clinical cancer research center - Brain tumor chemotherapy (human, rats)
P02CA-11067-05 0018 Clinical cancer research center - Kinetics of monoclonal neoplasia-multiple myeloma (human)
** R10CA-11075-06 Childrens cancer study group A
** R10CA-11083-07 Eastern cooperative oncology group (human)
** R10CA-11109-06 Eastern cooperative oncology group
** R10CA-11174-06 Childrens cancer study group A
** R10CA-11233-06 Southwestern cooperative chemotherapy study group
** R10CA-11263-06 Southeastern group statistical services
P02CA-11265-05 0015 General clinical cancer research center - Protocol for malignant glioma of brain
P02CA-11265-05 0018 General clinical cancer research center - Myeloproliferative syndromes (human)
R01CA-11430-09 0030 Biomathematics and computing in a cancer institute - Planning and analysis of clinical studies
** P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
** R10CA-11722-06 National Wilms tumor study (children)
** R10CA-11789-05 Acute leukemia cooperative group B
** R10CA-11796-05 Childrens cancer study group A
** R10CA-11844-17 Pediatric malignancies-Southwest Oncology Group
** P02CA-11911-04 0002 Clinical cancer center - Surgical versus conservative management of extradural lymphoma
P02CA-11911-04 0004 Clinical cancer center - Therapy of myeloma, previously treated
** P02CA-11911-04 0005 Clinical cancer center - Amyloidosis
** P02CA-11911-04 0006 Clinical cancer center - Primary macroglobulinemia
P02CA-11911-04 0008 Clinical cancer center - Analgesics and narcotics in patients with advanced cancer
** P02CA-11911-04 0009 Clinical cancer center - Oxygenation and 5-fluorouracil therapy
** P02CA-11911-04 0010 Clinical cancer center - Comparison of routes of administration of 5-fluorouracil
P02CA-11911-04 0011 Clinical cancer center - Five-fluorouracil, bis(chlorethyl)nitrosourea in gastric and pancreatic carcinoma
P02CA-11911-04 0012 Clinical cancer center - Effects of 5-fluorouracil, oxygen inhalation therapy on radiation-treated cancer
** P02CA-11911-04 0013 Clinical cancer center - 5-Fluorouracil and radiation adjuncts to surgery of gastric cancer
P02CA-11911-04 0014 Clinical cancer center - Fluorouracil, radiation, oxygen therapy adjuncts to surgery of rectal carcinoma
** P02CA-11911-04 0017 Clinical cancer center - Carcinoma of the prostate
P02CA-11911-04 0018 Clinical cancer center - Hypemephroma
P02CA-11911-04 0019 Clinical cancer center - Surgery and chemotherapy for stage III and IV ovarian cancer
P02CA-11911-04 0020 Clinical cancer center - Palliation of disseminated malignant melanoma
** R10CA-11996-11 Leukemia center (platelet) program-CCA
** R10CA-12001-09 Leukemia center (platelet) program
R10CA-12011-03 Acute leukemia group B
** R10CA-12014-05 Southwest Cancer Chemotherapy Study Group-Statistical
** R10CA-12027-04 Headquarters-Surgical adjuvant breast group
** R10CA-12028-04 National surgical adjuvant breast project
** R10CA-12029-04 National surgical adjuvant breast project
** R10CA-12033-04 National surgical adjuvant breast project
** R10CA-12036-04 National surgical adjuvant breast project
** R10CA-12037-04 Primary breast cancer therapy group
** R10CA-12039-04 National surgical adjuvant breast project
** R10CA-12046-04 Acute leukemia group B
** R01CA-12109-04 0020 Trophoblastic disease - Earliest effectiveness of cancer chemotherapy

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P02CA-12178-04 0001 Radiotherapy-oncology center - Split course therapy of advanced head and neck tumors
- ** P02CA-12178-04 0002 Radiotherapy-oncology center - Combined surgery, chemotherapy and radiotherapy in ovarian carcinoma
- P02CA-12178-04 0003 Radiotherapy-oncology center - Carcinoma of endometrium
- P02CA-12178-04 0007 Radiotherapy-oncology center - Lymphoma and Hodgkins disease
- P02CA-12178-04 0009 Radiotherapy-oncology center - Lysosomal enzyme levels in tumor homogenates (human)
- P02CA-12178-04 0010 Radiotherapy-oncology center - Cooperative study of isoenzymes in therapeutic radiology
- ** R10CA-12213-03 Southwest cancer chemotherapy study group
- ** R10CA-12223-03 Southeastern cancer study group
- ** R10CA-12240-04 National surgical adjuvant breast project
- ** P02CA-12247-03 0004 Pediatric oncology center - Bone marrow histopathology (human)
- ** P02CA-12247-03 0007 Pediatric oncology center - Acute leukemia (human)
- ** P02CA-12247-03 0008 Pediatric oncology center - Rhabdomyosarcoma-malignant mesenchymoma (human)
- ** P02CA-12247-03 0009 Pediatric oncology center - Neuroblastoma (human)
- ** P02CA-12247-03 0010 Pediatric oncology center - Hepatic cancer of childhood
- ** P02CA-12247-03 0011 Pediatric oncology center - Osteosarcoma study (human, dogs)
- P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
- P02CA-12247-03 0026 Pediatric oncology center - Chemotherapy of malignant brain tumors (human, mice)
- P02CA-12247-03 0027 Pediatric oncology center - Cooperative Hodgkin's disease study
- P02CA-12247-03 0036 Pediatric oncology center - Neutrophil function studies (human)
- ** R10CA-12248-03 Radiation therapy oncology group
- ** R10CA-12250-03 Radiation therapy oncology group
- ** R10CA-12252-03 Radiation therapy oncology group
- ** R10CA-12255-02 Radiation therapy oncology group
- ** R10CA-12258-03 Radiation therapy oncology group
- ** R10CA-12260-03 Radiation therapy oncology group
- ** R10CA-12261-03 Radiation therapy oncology group
- ** R10CA-12262-03 Radiation therapy oncology group
- ** R10CA-12271-04 Central oncology group
- ** R10CA-12272-04 Central oncology group
- ** R10CA-12273-04 Central oncology group
- ** R10CA-12274-04 Central oncology group
- ** R10CA-12275-04 Central oncology group
- ** R10CA-12276-03 Central Oncology Group
- ** R10CA-12277-04 Central oncology group
- ** R10CA-12279-04 Central oncology group
- ** R10CA-12280-04 Central oncology group
- ** R10CA-12282-04 Central Oncology Group
- ** R10CA-12283-04 Central oncology group
- ** R10CA-12284-04 Central oncology group
- ** R10CA-12285-04 The central oncology group
- ** R10CA-12286-04 Central oncology group
- ** R10CA-12287-04 Central oncology group
- ** R10CA-12288-04 Central oncology group
- ** R10CA-12289-04 Central oncology group
- ** R10CA-12290-04 Central oncology group
- ** R10CA-12294-04 Central oncology group
- ** R10CA-12295-04 Central oncology group
- ** R10CA-12296-04 Cancer chemotherapy with Eastern Oncology Group
- P01CA-12441-04 0002 Fast neutron beam radiotherapy - Radiation biology (mice)
- ** P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- R10CA-12443-04 Veterans administration cooperative urological research groups
- R01CA-12448-04 Effect of progesterone on prostate size and morphology (human)
- ** R10CA-12449-04 Acute leukemia group B-Boston group
- ** R10CA-12476-04 Gynecologic oncology group
- ** R10CA-12477-04 Gynecologic oncology group
- ** R10CA-12478-04 Gynecologic oncology group
- ** R10CA-12482-04 Gynecologic oncology group
- ** R10CA-12483-04 Gynecologic oncology group
- ** R10CA-12484-04 Gynecologic oncology group (human)
- ** R10CA-12485-04 Gynecologic oncology group (human)
- ** R10CA-12534-04 Gynecologic oncology group
- ** P01CA-12542-03 0004 Fast neutron therapy with TAMVEC cyclotron - Animal therapy (dogs, cats)
- ** P01CA-12542-03 0005 Fast neutron therapy with TAMVEC cyclotron - Clinical trial in human cancer
- ** P01CA-12582-04 0005 Multidisciplinary cancer diagnosis and therapy - Immunotherapy experiments in animal (tumor host systems)
- ** P01CA-12582-04 0006 Multidisciplinary cancer diagnosis and therapy - Active immunotherapy adjunct to cancer surgery
- ** P01CA-12582-04 0008 Multidisciplinary cancer diagnosis and therapy - Passive immunotherapy with antitumor sera
- ** P01CA-12582-04 0010 Multidisciplinary cancer diagnosis and therapy - Combination chemo-immunotherapy
- ** R10CA-12637-03 Childrens cancer study group A
- ** R10CA-12639-03 Southeastern cancer study group
- ** R10CA-12640-03 Southeastern cancer study group
- ** R10CA-12644-03 Southwest cancer chemotherapy study group
- R10CA-12721-03 Cancer clinical investigation coordinating center A
- P01CA-12800-03 0011 Immune functions and cancer - Preclinical immunotherapy (mice)
- ** R10CA-12886-03 Acute leukemia group B
- R01CA-12903-03 Human uterus receptors and responses to steroids
- ** R10CA-12985-03 Western cooperative cancer chemotherapy group
- R01CA-13041-02 Lymphocyte metabolism in cancer patients
- P02CA-13053-03 0004 Clinical cancer radiation therapy research center - Combined irradiation and chemotherapy-Malignant brain gliomas (human)
- P02CA-13053-03 0006 Clinical cancer radiation therapy research center - Radiation therapy in prostate carcinoma (human)
- ** P02CA-13053-03 0007 Clinical cancer radiation therapy research center - Wilms tumor protocol (human)
- ** P02CA-13053-03 0008 Clinical cancer radiation therapy research center - Radiation therapy in early cervix carcinoma (human)
- P02CA-13053-03 0026 Clinical cancer radiation therapy research center - Data accession retrieval and analysis system
- P02CA-13053-03 0052 Clinical cancer radiation therapy research center - Chemotherapy in management of primary Ewing's sarcoma (human)
- ** P02CA-13053-03 0053 Clinical cancer radiation therapy research center - Adjuvant chemotherapy in primary rhabdomyosarcoma (human)
- ** P02CA-13053-03 0056 Clinical cancer radiation therapy research center - Chemotherapy and radiation therapy in primary Hodgkin's disease (human)
- ** P02CA-13053-03 0057 Clinical cancer radiation therapy research center - Combination chemotherapy in children with primary osteosarcoma
- ** P02CA-13053-03 0058 Clinical cancer radiation therapy research center - Combination chemotherapy of histiocytosis X in children
- ** P02CA-13053-03 0061 Clinical cancer radiation therapy research center - Fluorouracil in podiatric solid tumors
- ** P02CA-13053-03 0062 Clinical cancer radiation therapy research center - Combination chemotherapy with procarbazine in childhood histiocytosis-x
- ** P02CA-13053-03 0068 Clinical cancer radiation therapy research center - Randomized study-Preoperative radiation for head and neck tumors (human)
- ** P02CA-13053-03 0069 Clinical cancer radiation therapy research center - Participation in Southwest cancer chemotherapy group
- ** P02CA-13053-03 0070 Clinical cancer radiation therapy research center - Participation in national surgical adjuvant breast group study
- ** P02CA-13053-03 0071 Clinical cancer radiation therapy research center - Participation in Southeastern cancer study group
- ** P02CA-13053-03 0072 Clinical cancer radiation therapy research center - Participation in radiation therapy oncology group
- P02CA-13053-03 0075 Clinical cancer radiation therapy research center - Combined pulmonary irradiation and fluorouracil therapy in lung tumors (human)
- ** P02CA-13053-03 0076 Clinical cancer radiation therapy research center - Chemotherapy of metastatic solid tumors with DIC and adriamycin (children)
- ** P02CA-13053-03 0077 Clinical cancer radiation therapy research center - Chemotherapy following surgery and radiotherapy in brain tumors (children)
- P02CA-13053-03 0078 Clinical cancer radiation therapy research center - Osteogenic sarcoma chemotherapy with methotrexate-citrovorum factor (children)
- P02CA-13053-03 0079 Clinical cancer radiation therapy research center - Osteogenic sarcoma-Methotrexate chemotherapy and radiotherapy (children)
- P02CA-13053-03 0080 Clinical cancer radiation therapy research center - ICRF 159 chemotherapy in solid tumors and acute leukemia (children)
- ** P02CA-13053-03 0081 Clinical cancer radiation therapy research center - Chemotherapy of histiocytosis X with chlorambucil (children)
- P02CA-13053-03 0082 Clinical cancer radiation therapy research center - Hodgkin's disease-Chemotherapy with MOPP plus bleomycin (children)
- ** P02CA-13053-03 0092 Clinical cancer radiation therapy research center - BCNU and amphotericin B in human neoplasia
- R10CA-13057-03 Acute leukemia cooperative group B
- P02CA-13148-03 0013 Pilot cancer center - Treatment of childhood leukemia and lymphosarcoma
- P02CA-13148-03 0045 Pilot cancer center - Combination therapy and chemotherapy in Hodgkin's disease
- ** P02CA-13148-03 0046 Pilot cancer center - Adult acute leukemia
- P02CA-13148-03 0068 Pilot cancer center - Antineoplastic properties of histidase and arginine decarboxylase (human, mice)
- ** R10CA-13236-03 Southwestern cancer chemotherapy study group
- ** R10CA-13237-03 Southeastern cancer study group
- ** R10CA-13238-03 Southwest cancer chemotherapy study group
- ** R10CA-13239-02 Acute leukemia cooperative group B
- ** R10CA-13249-03 Southeastern cancer study group
- ** R10CA-13314-02 Eastern Cooperative Oncology Group
- ** P01CA-13330-03 0002 Cancer research program - Cancer therapy evaluation programs (human)
- P01CA-13330-03 0012 Cancer research program - Combined irradiation and luanthane therapy (human)
- P01CA-13330-03 0066 Cancer research program - Eastern Cooperative Oncology Group
- R01CA-13351-02 Selection of cancer therapy by uptake of cesium 131 (human)
- ** R10CA-13446-01 Gynecologic Oncology Group
- ** R10CA-13457-02 Radiation therapy oncology group
- ** P01CA-13472-02 Investigation of childhood leukemia
- P01CA-13472-02 0001 Investigation of childhood leukemia - Treatment of leukemic patients
- ** R10CA-13539-02 Children's cancer study Group A
- R01CA-13603-03 Clinicopathologic study of ocular and orbital cancer (human)
- ** R10CA-13607-03 Hodgkin's disease cooperative study
- ** R10CA-13611-02 Eastern cooperative oncology group
- ** R10CA-13612-01 Southwest Cancer Chemotherapy Study Group
- ** R10CA-13613-02 Eastern cooperative oncology group
- R10CA-13630-03 Gynecologic oncology group
- ** R10CA-13631-02 Gynecologic oncology group
- ** R10CA-13632-03 Gynecologic oncology group
- ** R10CA-13633-03 Gynecologic oncology group
- ** R10CA-13641-03 Gynecologic oncology group
- ** R10CA-13643-02 Southwest cancer chemotherapy study group
- P02CA-13696-02 0025 Clinical cancer research center - Nervous neoplasms-Isotope concentration in tumor response (dogs)
- P02CA-13696-02 0027 Clinical cancer research center - Neuroradiology of CNS tumors-Angiographic morphology and morphometry (human)
- P02CA-13696-02 0029 Clinical cancer research center - Neuroradiology of CNS tumors-Measuring blood flow and cerebral edema (human)
- P02CA-13696-02 0033 Clinical cancer research center - Polyamine metabolism in relation to CNS tumor growth and detection (human)
- P02CA-13696-02 0063 Clinical cancer research center - Immunologic monitoring of treatment impact-Tumor antigen (human)
- P02CA-13696-02 0068 Clinical cancer research center - Polyamine metabolism in the nervous system (human)
- R01CA-13745-02 Regulation of prostatic growth by androgens (human, rats)
- ** R01CA-13806-02 Immunocompetence in radiation therapy patients
- ** R10CA-13809-02 Children's cancer study group A
- ** R10CA-13887-02 Gynecologic oncology group
- P02CA-13943-02 0021 Clinical pharmacology immunology cancer research center - Specific host defenses in human patients against solid tumor antigens
- P02CA-13943-02 0030 Clinical pharmacology immunology cancer research center - Measurement of complement in cancer
- P02CA-13943-02 0032 Clinical pharmacology immunology cancer research center - Inflammation and cancer (human, mice)
- P02CA-13943-02 0066 Clinical pharmacology immunology cancer research center - Clinical gynecology program
- ** R10CA-14028-01 Southwest Cancer Chemotherapy Study Group
- ** R10CA-14058-01 Radiation Therapy Oncology Group
- ** R10CA-14060-02 Radiation therapy oncology group
- P01CA-14089-01 0020 Pilot multidisciplinary cancer research program - Pharmacokinetics of antineoplastic agents (mammals)
- P01CA-14089-01 0023 Pilot multidisciplinary cancer research program - Optimization of cancer chemotherapy using radiopharmaceutical (mammals)
- ** P01CA-14089-01 0033 Pilot multidisciplinary cancer research program - Laminar flow isolation in acute leukemia
- P01CA-14089-01 0050 Pilot multidisciplinary cancer research program - Clinical investigation of selected tumor systems
- ** P01CA-14089-01 0062 Pilot multidisciplinary cancer research program - Advanced therapeutics
- ** R10CA-14144-02 Eastern cooperative oncology group
- ** R10CA-14215-02 Eastern cooperative oncology group
- ** R10CA-14299-03 Southeastern cancer study group
- ** R10CA-14415-02 Western cancer study group
- ** R10CA-14438-02 Western cancer study group
- ** R10CA-14442-02 Western Cancer Study Group
- ** R10CA-14443-02 Western cancer study group
- ** R10CA-14449-02 Western cancer study group
- ** R10CA-14450-02 Western cancer study group
- ** R10CA-14472-02 Western cancer study group
- ** R10CA-14485-02 Western cancer study group
- ** R10CA-14488-02 Western cancer study group
- ** R10CA-14506-02 Western cancer study group
- ** R10CA-14518-02 Western cancer study group

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-14520-02 0014 Wisconsin Clinical Cancer Center - Quantitative measurements of lung tumors in vivo
- ** P02CA-14520-02 0033 Wisconsin Clinical Cancer Center - Radiation therapy research (human)
- ** R10CA-14557-01 Children's cancer study group A
- ** R10CA-14568-02 Western cancer study group
- ** R10CA-14571-02 Surgical adjuvant renal cell carcinoma (human)
- P01CA-14599-01 0028 University of Chicago Cancer Research Center - Use of cesium-131 in choice of therapy for metastatic cancer (human)
- R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- ** R10CA-14678-02 Central Oncology Group
- R01CA-14768-01 Immunological parameters of spontaneous murine cancer (mice)
- R10CA-14940-01 Cooperative study-radiotherapy of prostatic cancer
- ** R10CA-14963-01 Central oncology group
- ** P02CA-15083-01 0008 Cancer Center Support Grant-Mayo Foundation - Management of breast cancer (human)
- ** P02CA-15083-01 0013 Cancer Center Support Grant-Mayo Foundation - Management of lymphoma (human)
- R26CA-15107-02 Chemotherapy for national prostatic cancer project (human)
- R26CA-15108-02 Chemotherapy of advanced prostatic cancer (human)
- P02CA-15145-01 0035 Cancer center support grant - Radiation therapy-radiation oncology component
- ** P02CA-15145-01 0043 Cancer center support grant - Adjuvant cancer chemotherapy trials in treatment of colon and lung cancer (human)
- ** P01CA-15192-01 Cancer Center Support Grant Specialized
- ** R10CA-15241-02 Central oncology group
- R26CA-15284-02 Chemotherapy for patients with prostatic cancer
- ** R10CA-15294-01 Western Cancer Study Group
- ** P01CA-15396-01 Bone marrow transplantation program in human disease
- R26CA-15407-02 Chemotherapy of prostatic cancer
- R26CA-15421-02 Chemotherapy for advanced prostatic cancer (human)
- R26CA-15455-01 Evaluation of extended radiotherapy for prostate neoplasm (human)
- ** R10CA-15457-01 Western Cancer Study Group
- ** R26CA-15458-01 Adjuvant immunotherapy to surgery in colorectal cancer
- ** R10CA-15467-01 Southwest Oncology Group
- ** R10CA-15485-01 Eastern Cooperative Oncology Group
- ** R10CA-15488-01 Eastern Cooperative Oncology Group
- ** R26CA-15491-01 National Bladder Cancer Collaborative Group A
- ** R26CA-15492-01 Evaluation and management of bladder carcinoma
- R26CA-15497-01 Statistical Center for National Bladder Cancer Project
- ** R10CA-15525-01 Southwest Cancer Chemotherapy Study Group
- ** R10CA-15578-01 Southeastern Cancer Study Group
- ** R10CA-15584-01 Southeastern Cancer Study Group
- ** P01CA-15655-01 0032 Cancer center support grant - Acupuncture treatment for relief of pain (human)
- P01CA-15655-01 0033 Cancer center support grant - Cytogenetic screening-Hematologic disorders (human)
- ** P01CA-15655-01 0040 Cancer center support grant - Neoplastic response to 5-fluorouracil therapy (human)
- ** P02CA-15688-01 0010 Program in medical oncology - Combination radio-chemotherapy for Hodgkin's disease
- ** P02CA-15688-01 0011 Program in medical oncology - Combination radio-chemotherapy for non-Hodgkin's lymphoma
- ** P02CA-15688-01 0012 Program in medical oncology - Combination radio-chemotherapy of testis neoplasms
- ** P02CA-15688-01 0013 Program in medical oncology - Remission induction in adult non-lymphocytic leukemia
- ** P02CA-15688-01 0014 Program in medical oncology - Combination radio and chemotherapy of oat cell lung carcinoma
- ** P02CA-15688-01 0015 Program in medical oncology - Adjuvant chemotherapy, carcinoma of the breast
- ** P02CA-15688-01 0016 Program in medical oncology - Intensive combination therapy, ovarian carcinoma
- ** P02CA-15688-01 0017 Program in medical oncology - Chemotherapy-immunotherapy of malignant melanoma
- ** P02CA-15688-01 0021 Program in medical oncology - Bone marrow transplantation in neoplastic disease
- P01CA-15820-01 0003 Comparative Oncology Research Program - Statistical analysis
- ** P01CA-15820-01 0004 Comparative Oncology Research Program - Therapeutic studies-Radiation dose response assays
- ** P01CA-15820-01 0006 Comparative Oncology Research Program - Therapeutic studies-Radiation and adriamycin in osteogenic sarcoma (dogs)
- R01CA-15857-01 Clinical chemotherapy and pharmacology
- ** R26CA-15933-01 Primary urinary bladder neoplasms (human)
- ** R26CA-15934-01 National Bladder Cancer Collaborative Group A
- ** P01CA-15936-01 0004 Specialized Cancer Center - Chemotherapeutic agents and metabolites in the body (human)
- ** P01CA-15936-01 0009 Specialized Cancer Center - Specialized supportive care during chemotherapy (human)
- P01CA-15936-01 0011 Specialized Cancer Center - Infections in patients with cancer (human)
- P01CA-15936-01 0012 Specialized Cancer Center - Blood component therapy-Platelets (human)
- P01CA-15936-01 0013 Specialized Cancer Center - Blood component therapy-Granulocytes (human)
- P01CA-15936-01 0014 Specialized Cancer Center - Donor selection for platelet and granulocyte transfusions (human)
- P01CA-15936-01 0016 Specialized Cancer Center - Immunological research (human, mice)
- P01CA-15936-01 0022 Specialized Cancer Center - Computer support laboratory
- ** R26CA-15937-01 National Bladder Cancer Collaborative Group A
- ** R10CA-15938-01 Radiation Therapy Oncology Group
- ** R26CA-15944-01 Evaluation of bladder cancer patients management
- ** R10CA-15947-01 Eastern Cooperative Oncology Group
- ** R10CA-15975-01 Gynecologic oncology group
- R10CA-15977-01 Gynecologic Oncology Group
- R18CA-15978-01 Clinical and research radiation therapy in cancer care (US, Puerto Rico survey)
- ** R10CA-15995-01 Southwest cancer chemotherapy study group
- ** R10CA-16020-02 Mycosis fungoides cooperative study
- ** R01CA-16073-01 Fetal isoenzymes as biologic markers (human)
- ** R10CA-16118-01 Acute leukemia group B-operations office
- P01CA-16127-01 0002 Cancer Research and Treatment Center Program - Human radiobiology studies with pions
- P01CA-16127-01 0003 Cancer Research and Treatment Center Program - Cancer radiotherapy evaluation
- ** P01CA-16127-01 0004 Cancer Research and Treatment Center Program - Cancer chemotherapy evaluation
- P01CA-16127-01 0010 Cancer Research and Treatment Center Program - Transfer factor therapy in osteogenic sarcoma
- P01CA-16127-01 0014 Cancer Research and Treatment Center Program - Cancer patient laboratory data analysis system
- ** P01CA-16127-01 0020 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bladder carcinoma (human)
- P01CA-16127-01 0021 Cancer Research and Treatment Center Program - Pi meson radiotherapy of brain glioma (human)
- P01CA-16127-01 0022 Cancer Research and Treatment Center Program - Pi meson radiotherapy of uterine cervix carcinoma (human)
- P01CA-16127-01 0023 Cancer Research and Treatment Center Program - Pi meson radiotherapy of esophagus carcinoma (human)
- ** P01CA-16127-01 0024 Cancer Research and Treatment Center Program - Pi meson radiotherapy of larynx carcinoma (human)
- P01CA-16127-01 0025 Cancer Research and Treatment Center Program - Pi meson radiotherapy of hypopharynx carcinoma (human)
- P01CA-16127-01 0026 Cancer Research and Treatment Center Program - Pi meson radiotherapy of oral cavity carcinoma (human)
- ** P01CA-16127-01 0027 Cancer Research and Treatment Center Program - Pi meson radiotherapy or oropharynx epidermoid carcinoma
- ** P01CA-16127-01 0028 Cancer Research and Treatment Center Program - Pi meson radiotherapy of osteogenic sarcoma of the extremity
- P01CA-16127-01 0029 Cancer Research and Treatment Center Program - Pi meson radiotherapy of adenocarcinoma of the pancreas
- ** P01CA-16127-01 0030 Cancer Research and Treatment Center Program - Pi meson radiotherapy of prostate carcinoma
- ** P01CA-16127-01 0031 Cancer Research and Treatment Center Program - Pi meson radiotherapy of rectum adenocarcinoma
- ** P01CA-16127-01 0032 Cancer Research and Treatment Center Program - Pi meson radiotherapy of stomach adenocarcinoma
- ** P01CA-16127-01 0033 Cancer Research and Treatment Center Program - Pi meson radiotherapy of bronchogenic carcinoma
- ** P01CA-16247-01 0005 Immunologic aspects of cancer - Nutritional requirement of plasma cell tumors (human, mice)
- ** P01CA-16247-01 0008 Immunologic aspects of cancer - Treatment with transfer factor and immune response (human)
- R18CA-16405-01 0004 Development of regional cancer control program - Regional affiliation for cooperative studies of hematological malignancy (human)
- ** N01CB-12087-05 Conduct radiation therapy treatment
- ** N01CB-23231-02 Provide patient input for primary breast cancer study
- ** N01CB-33066-01 T-lymphocytes in tumor associated immunity (mice)
- ** N01CB-33899-01 Chemotherapy utilizing 5-FU, cytosine and prednisone (human)
- N01CB-33918-01 Role of prostaglandins in mammary gland neoplasia (human)
- N01CB-43852-00 Human melanoma-evaluation of BCG immunotherapy
- ** N01CB-43857-00 Human lung cancer-Evaluation of BCG therapy
- N01CB-43864-00 Immunotherapy-Animal models to evaluate therapy with neuraminidase
- ** N01CB-43865-00 Immunotherapy-Animal models for neuraminidase therapy evaluation
- ** N01CB-43917-00 Therapy of carcinoma of the breast (human)
- N01CB-43967-00 Hapten treatment of cancer (rats)
- ** N01CB-43969-00 Prediction of breast cancer response to adrenalectomy
- ** N01CB-43990-00 Therapy of carcinoma of breast (human)
- ** N01CB-92172-09 Early detection, localization and therapy of lung cancer (human)
- N01CM-02028-07 Experimental chemotherapy of brain tumors (human)
- ** N01CM-02066-08 Investigation of new drugs on treatment of gastrointestinal cancers (human)
- ** N01CM-12094-03 Role of protected environment in therapy of acute leukemia
- ** N01CM-12127-03 Antitumor resistance by extract of tubercle bacilli (human, mice)
- ** N01CM-12181-03 Brain tumor chemotherapy (human)
- ** N01CM-12185-05 Research on carcinoma of the breast (human)
- ** N01CM-22072-04 Clinical trials of carcinoma of the breast
- ** N01CM-22074-06 Services for research and experimentation on breast carcinoma
- ** N01CM-23703-06 Therapy evaluation against spontaneous mammary cancer (mice)
- N01CM-33714-01 Clinical trials for breast and gastrointestinal cancer and brain tumors
- ** N01CM-33715-03 Statistical and administrative (operations office) support
- ** N01CM-33735-02 Therapy of patients with bronchogenic carcinoma
- N01CM-33736-01 Therapy of patients with bronchogenic carcinoma
- N01CM-43703-00 Chemotherapy of ovarian carcinoma (human)
- ** N01CM-43706-00 Cooperative studies in brain tumor chemotherapy
- ** N01CM-43715-00 Therapy of patients with testicular carcinoma
- ** N01CM-43727-00 Trials in gastrointestinal cancer (human)
- ** N01CM-43748-00 Programs involving combination drug and combined modalities treatment of cancer
- ** N01CM-43754-00 New antineoplastic drug acquisition, evaluation, development and screening
- N01CM-43755-00 Services in support of primary drug screening program
- ** N01CM-43781-00 Therapy of patients with gastric carcinoma
- N01CM-43790-00 Antitumor drugs-Effects on folate metabolism
- ** N01CM-43794-00 Therapy of patients with pancreatic carcinoma
- ** N01CM-43798-00 Therapy of patients with pancreatic carcinoma (human)
- ** N01CM-43802-00 Phase I studies of new anticancer agents (human)
- ** N01CM-43804-00 Phase I studies of new anticancer agents (human)
- ** N01CM-71173-12 Studies in brain tumor chemotherapy (human)
- ** N01CM-71174-12 Chemotherapy of patients with brain tumors
- ** N01CM-71175-09 Experimental chemotherapy on brain tumor (human, rats)
- ** N01CM-80950-10 Brain tumor chemotherapy (human)
- N01CN-35015-03 Prototype clinical chemotherapy program in cancer control
- ** N01CN-45007-01 Effect of early detection and treatment on survival from lung cancer
- N01CN-45037-00 Lung cancer control-Detection and therapy
- ** N01CP-43203-00 Cancer end results evaluation
- N01CP-43205-00 Abstract and code statistical data on cancer cases
- ** N01CP-43206-00 Cancer end results evaluation program
- ** N01CP-43210-00 Continuation of cancer end results project
- N01CP-43217-00 Biohazards control and containment in oncogenic virus research
- N01CP-43259-00 Furnish statistical data on cancer cases
- R01DA-00055-04 Therapeutic explorations with adolescents-Project community
- ** R01DA-00084-02 Effects of long term drug dependence (human)
- ** R01DA-00113-03 Contingency contracting for treatment for drug abuse

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** R01DA-00119-03 Soc-psych profiles on drug abusers in therapeutic community
P01DA-00250-03 0015 Research center-Studies of drug dependence and abuse - Studies in the Illinois drug abuse program
- ** R01DA-00325-02 Narcotic addiction during pregnancy and its sequelae (human)
R01DA-00388-01 Evaluation of sustained methadone ingestion (mammals)
- ** R01DA-00407-02 Drug rehabilitation-Counter-culture religious cults
R01DA-00695-01 Clinical pharmacology of narcotic antagonists (human)
R01DA-00975-01 Treatment for substance abuse program dropouts
- ** N01DA-20132-02 Evaluation of NIMH drug abuse community assistance program
- ** N01DA-20211-02 Clinical effectiveness of narcotic antagonists
N01DA-30262-00 Toxicological evaluation of one narcotic and/or narcotic antagonist in animals
N01DA-40128-00 Services to Narcotic addicts
** N01DA-40139-00 Use of biofeedback with opiate addicts (human)
- ** N01DA-40152-00 Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
- ** N01DA-40159-00 Efficacy of propoxyphene napsylate in maintenance therapy for narcotic addiction
N01DA-40189-00 Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
- ** N01DA-40190-00 Survey of new techniques for the treatment of drug abusers
N01DA-40212-00 Services to narcotic addicts
P01DE-00853-17 0001 Diagnostic and prognostic techniques in cleft palate - Longitudinal project
P01DE-01648-12 0002 Basic studies on periodontal disease - Treatment of periodontal pockets in Rhesus monkeys
P01DE-01697-12 0012 Interdisciplinary studies in cleft palate - Comparison of two surgical techniques (human)
- ** P01DE-01697-12 0026 Interdisciplinary studies in cleft palate - Children with simple palatal closure compared to those with lengthening
P01DE-02849-06 0013 Mechanism and treatment of periodontal disease - Evaluation of topical fluorid for periodontal disease (dogs)
R01DE-02899-06 Psychophysiology of the TMJ dysfunction syndrome (human)
- M P01DE-03568-01 Craniofacial anomalies-etiology and treatment
- ** R01DE-03951-01 Acupuncture and dental pain (human)
R01EY-00007-13 Ocular herpes simplex (human, rabbits, monkeys)
R01EY-00186-20 Viral keratoconjunctivitis and related disorders (human)
R01EY-00238-13 Reaction of corneal cells to injury (rabbits)
R01EY-00318-06 Lasers in ophthalmic diseases (human, monkeys)
P01EY-00336-08 0015 CLINICAL STUDENT OF GLAUCOMA - Unilateral epinephrine (human)
P15EY-00492-08 Ophthalmic OPD clinical research project (human)
P15EY-00493-06 0003 Corneal research clinic - Antibiotics, antiviral agents in conjunctival and corneal disease (human, animal)
P01EY-00523-13 0006 Sensory disease clinical research center (eye disorders) - Photocoagulation in treatment of retinal diseases (human)
- ** R01EY-00643-02 Collaborative diabetic retinopathy study (human)
- ** R01EY-00648-01 Collaborative study of diabetic retinopathy (human)
- ** R01EY-00650-01 Collaborative diabetic retinopathy study (human)
R01EY-00674-03 Diagnosis and management of Fusarium keratomycoses (monkeys)
R01EY-00858-01 Herpes simplex of the eye-Pathogenesis and treatment (human, rabbits)
R01EY-01034-01 Collaborative study of diabetic retinopathy (human)
R01EY-01037-01 Collaborative diabetic retinopathy study (human)
R01EY-01046-01 Collaborative study of diabetic retinopathy (human)
R01EY-01078-02 Experimental argon laser photocoagulation (primates)
R01EY-01121-01 The afferent arc of corneal immunologic reaction (rabbits)
- ** R01EY-01324-01 Congenital glaucoma pathogenesis, diagnosis, therapy (human, primates)
N01EY-32118-03 Diabetic retinopathy study (human)
** N01EY-32119-02 Diabetic retinopathy study (human)
** N01EY-32121-02 Diabetic retinopathy study (human)
** N01EY-32122-02 Diabetic retinopathy study (human)
** N01EY-32123-02 Diabetic retinopathy study (human)
** N01EY-32124-02 Diabetic retinopathy study (human)
** N01EY-32125-02 Diabetic retinopathy study (human)
** N01EY-32126-03 Diabetic retinopathy study (human)
** N01EY-32127-03 Diabetic retinopathy study (human)
- ** N01EY-32129-02 Diabetic retinopathy study (human)
** N01EY-32130-02 Diabetic retinopathy study (human)
** N01EY-42128-02 Diabetic retinopathy study (human)
** N01EY-42142-02 Diabetic retinopathy study (clinic)
N01EY-42170-00 Diabetic retinopathy-clinical center (human)
N01EY-42171-00 Diabetic retinopathy study (clinical center) (human)
N01EY-42172-00 Diabetic retinopathy
N01EY-42173-00 Diabetic retinopathy study-clinical center (human)
R01GM-10525-11 Statistical studies of problems of health and biology
P01GM-18470-03 0012 Trauma center - Respiratory and cardiovascular function in head injury (cats, dogs, human)
- ** P11GM-20387-02 0007 Multidisciplinary research program in pharmacology-toxicology - Antiarrhythmic efficacy and metabolism of propranolol and practolol (human)
P11GM-20387-02 0008 Multidisciplinary research program in pharmacology-toxicology - Stable isotopes in clinical pharmacology and toxicology (animals, human)
R01GM-20450-01 Acupuncture anesthesia and analgesia (human)
- M P11GM-20852-01 Clinical pharmacokinetics and biopharmaceutics
** P11GM-20852-01 0001 Clinical pharmacokinetics and biopharmaceutics - Clinical pharmacokinetics of digoxin (human)
N01GM-42148-03 Collaborative drug surveillance program (human)
- ** N01HB-02214-06 Studies to improve methods of platelet preservation (human)
- ** N01HB-22919-03 Hemoglobin carbamylation in the treatment of sickle cell anemia
- ** N01HB-32942-02 Preparation and clinical trials of intravenous gamma globulin (human)
- ** N01HB-42946-00 Isolate and test antithrombin III (human, dogs)
N01HB-42947-00 Isolation and evaluation of products from plasma fractionation (human, animals)
- ** N01HB-42976-01 Clinical trials of aspirin and dipyridamol (human)
- ** N01HB-42977-01 Clinical trials of sulfinpyrazone (human)
- ** N01HB-42978-01 Clinical trials of sulfinpyrazone and low dose heparin (human)
P01HD-01799-09 0028 Mental retardation research center - Developmental hepatic physiology and bilirubin encephalopathy (monkeys, human)
- ** P01HD-02274-08 0053 Mental retardation and child development - Clinical studies of anticonvulsant activity
R01HD-02644-08 Functional aspects of pulmonary immaturity (premature infants, dogs)
- ** P01HD-03008-07 0029 Cognition and motivation in the retarded - Test of treatment methods for retarded children
P01HD-03110-07 0028 Child development and mental retardation - Pediatric neurology
P01HD-03110-07 0030 Child development and mental retardation - Project Early Aid
- ** P01HD-03144-07 0017 Development of culturally deprived children - Behavioral methodology modifying child behavior of urban families in home
- ** P01HD-03144-07 0019 Development of culturally deprived children - Investigate effects of intensive classroom management procedures
P01HD-03693-06 0001 Pathogenesis of chronic infections - Pathogenesis of pyelonephritis (human, rats)
P01HD-03693-06 0006 Pathogenesis of chronic infections - Genital mycoplasmas
P01HD-03693-06 0007 Pathogenesis of chronic infections - Bacterial models of chronic disease
P01HD-03693-06 0009 Pathogenesis of chronic infections - Advances in treatment of infectious disease (human)
P01HD-04335-06 0002 Brain-behavior relationships in mental retardation - Neonatal and follow-up studies of high-risk human neonates
R01HD-05341-04 Downs syndrome-5-hydroxy tryptophan study (children)
P01HD-06276-03 0090 Mental retardation research program - Down's syndrome-5-hydroxy tryptophan (human)
R01HD-06341-01 Respiratory distress syndrome in lambs
R01HD-06478-03 In vitro studies of pregestational steroids (human, mammals)
P01HD-06576-01 0002 Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
R01HD-07197-02 Steroid dynamics, (human, mammals)
P01HD-07256-03 0008 Child health and development studies - Congenital anomalies (human)
R01HD-07300-02 Hemostasis and hemorrhagic disease in children (human)
R01HD-08492-01 Effects of exchange transfusion in premature infants (human)
N01HD-42809-00 Ethinyl estradiol and estrogens as postcoital contraceptive agents (human)
N01HD-42818-00 Phototherapy for neonatal hyperbilirubinemia (human)
N01HD-42820-00 Phototherapy for neonatal hyperbilirubinemia (human)
N01HD-42821-00 Phototherapy for neonatal hyperbilirubinemia (human)
- M01HD-42822-00 Phototherapy for neonatal hyperbilirubinemia (human)
- ** P01HL-05435-14 0026 Cardiovascular research and training program - Circulatory dynamics (human, animals)
P01HL-06312-13 0016 Surgical cardiology - Effect of hydralazine on infarct size following coronary occlusion (dogs)
P01HL-06336-14 0030 Cardiovascular program project - Aortocoronary bypass surgery for unstable angina (human)
P01HL-06336-14 0032 Cardiovascular program project - Coronary bypass grafting combined with heart valve replacement
P01HL-06664-13 0010 Cardiopulmonary function in remediable vascular disease - Management of acute ischemia by reduction of cell swelling (human, dogs, rats)
P01HL-06664-13 0026 Cardiopulmonary function in remediable vascular disease - Plasma oncotic pressure in the treatment of pulmonary edema (human)
P01HL-08203-12 0005 Renal homotransplantation in man - Preservation of cadaver kidneys (human)
R01HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
- ** R01HL-08892-10 Cooperative study of drugs and coronary heart disease
** R01HL-09752-10 Cooperative study of renal disease and hypertension (human)
R01HL-10233-09 Cooperative study of drugs and coronary heart disease (human)
R01HL-10353-08 Cooperative study of drugs and coronary heart disease (men)
R01HL-10356-08 Cooperative study of renovascular hypertension (human)
R01HL-10441-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10442-09 Cooperative study of drugs and coronary heart disease (human)
R01HL-10443-09 Cooperative study of drugs and coronary heart disease (human)
R01HL-10444-09 Cooperative study of drugs and coronary heart disease (men)
** R01HL-10445-09 Cooperative study of drugs and coronary heart disease (human)
R01HL-10446-09 Cooperative study of drugs and coronary heart disease (men)
** R01HL-10514-09 Cooperative study of drugs and coronary heart disease (human)
R01HL-10515-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10696-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10697-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10698-09 Cooperative study of drugs and coronary heart disease (men)
** R01HL-10699-09 Cooperative study of drugs and coronary heart disease (human)
R01HL-10700-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10701-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10703-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10705-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10707-09 Cooperative study of drugs and coronary heart disease (men)
** R01HL-10708-08 Cooperative study of drugs and coronary heart disease (human)
R01HL-10709-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10710-09 Cooperative study of drugs and coronary heart disease (men)
R01HL-10711-08 Cooperative study of treatment of hypertension (human)
R01HL-10712-08 Cooperative study of treatment of hypertension (human)
R01HL-10713-08 Cooperative study of treatment of hypertension (human)
R01HL-10715-08 Cooperative study of treatment of hypertension (human)
R01HL-10716-08 Cooperative study of treatment of hypertension (human)
R01HL-10717-08 Cooperative study of treatment of hypertension (human)
** R01HL-10898-07 Cooperative study of drugs and coronary heart disease (men)
** R01HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
** R01HL-11039-08 Cooperative study of drugs and coronary heart disease (men)
** R01HL-11040-08 Cooperative study of drugs and coronary heart disease (men)
** R01HL-11063-08 Cooperative study of drugs and coronary heart disease (men)
** R01HL-11115-08 Cooperative study of drugs and coronary heart disease (men)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HL-11310-08 0028 Mechanisms of cardiovascular disease - Clinical trials and epidemiology coordinating office
- RO1HL-11312-08 Cooperative study of drugs and coronary heart disease (men)
- ** RO1HL-11322-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11369-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11370-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11372-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11373-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11375-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11376-08 Cooperative study of drugs and coronary heart disease (men)
- ** RO1HL-11377-08 Cooperative study of drugs and coronary heart disease (men)
- ** RO1HL-11380-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11458-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11654-08 Cooperative study of drugs and coronary heart disease (human)
- RO1HL-11655-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11660-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11661-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11663-08 Cooperative study of drugs and coronary heart disease (men)
- RO1HL-11898-07 Cooperative study of drugs and coronary heart disease
- RO1HL-11901-07 0001 Ieal bypass effect on cholesterol and atherosclerosis - Clinical ileal bypass program
- RO1HL-12239-05 Curable hypertension with hyperaldosteronism (human)
- PO1HL-12373-06 0013 Cardiopulmonary physiology and pathophysiology - Effects of cardiovascular drugs on left ventricular function (dogs)
- PO1HL-12738-06 0085 Physiologic pharmacology and its clinical applications - The autonomic nervous system in the asthmatic child
- PO1HL-13108-05 0004 Clinical heart transplantation - Immunosuppression (human, dogs)
- PO1HL-13108-05 0036 Clinical heart transplantation - Lipoprotein abnormalities in the transplanted heart patient
- RO1HL-13466-04 Pulmonary platelets in shock, trauma and embolization
- RO1HL-13654-03 Antilipemic regimes in peripheral arteriosclerosis (human)
- PO1HL-13737-04 0028 Assisted circulation - Medically refractory cardiogenic shock (human)
- PO1HL-13737-04 0029 Assisted circulation - Chronic left ventricular failure (human)
- ** RO1HL-13885-04 0002 Cystic fibrosis and pulmonary disease - Evaluation of therapy (infants, children)
- P17HL-14138-04 0014 Center for research on atherosclerosis - Biostatistics (human, swine, pigeons, rabbits)
- P17HL-14152-04 0013 Pulmonary specialized center of research - Psychosocial and psychophysiological aspects of pulmonary syndromes (human)
- P17HL-14152-04 0021 Pulmonary specialized center of research - Obstructive pulmonary syndromes (human)
- P17HL-14169-04 0004 Pulmonary disease center - Respiratory insufficiency associated with COPD (human, dogs)
- ** P17HL-14179-04 0009 Center for the study of lung disease - Evaluation of therapy in chronic pulmonary diseases in children
- P17HL-14179-04 0010 Center for the study of lung disease - Electrophrenic respiration (human)
- P17HL-14182-04 0013 A special center of research in thrombosis - Antithrombotic agents in coronary revascularization (human)
- P17HL-14192-04 0001 Specialized center of research in hypertension - Drug and operative treatment of renovascular hypertension (human)
- P17HL-14192-04 0002 Specialized center of research in hypertension - Renal artery stenosis in atherosclerosis and fibromuscular dysplasia (human)
- P17HL-14201-04 0002 Pulmonary disease research center - Therapy of IRDS with continuous positive airway pressure (human, infants)
- P17HL-14201-04 0012 Pulmonary disease research center - Hyperirritability of the airways in patients with asthma (also dogs)
- P17HL-14201-04 0017 Pulmonary disease research center - Sequelae of mechanical ventilation for respiratory failure (human)
- P17HL-14214-04 0017 Neonatal lung center - Red cell volume in neonates (human)
- M P17HL-14236-04 Prevention of premature arteriosclerosis
- P17HL-14236-04 0002 Prevention of premature arteriosclerosis - Myocardial blood flow in patients with coronary arteriosclerosis
- P17HL-14236-04 0005 Prevention of premature arteriosclerosis - Hypertension and hyperlipoproteinemia (human, rats)
- P17HL-14236-04 0009 Prevention of premature arteriosclerosis - Clinical studies on cholesterol metabolism (human)
- RO1HL-14282-02 Aspirin in cerebral ischemia-Joint study (human)
- RO1HL-14284-02 Aspirin in cerebral ischemia-Joint study (human)
- RO1HL-14285-02 Aspirin in cerebral ischemia-Joint study (human)
- RO1HL-14286-02 Aspirin in cerebral ischemia-Joint study (human)
- RO1HL-14336-02 Aspirin in cerebral ischemic-Joint study (human)
- RO1HL-14337-02 Aspirin in cerebral ischemia-Joint study (human)
- RO1HL-14338-02 Aspirin in cerebral ischemia-Joint study (human)
- RO1HL-14340-02 Central registry-Aspirin in cerebral ischemia (human)
- RO1HL-14372-02 Aspirin in cerebral ischemia-Joint study
- ** PO1HL-14388-03 0038 Regulation of the circulation in pathological states - Atrial pacing for evaluating angina patients and their response to drugs
- RO1HL-14487-01 Hypertension in the young inner city female
- RO1HL-14602-03 Ventricular arrhythmias in coronary heart disease (human)
- PO1HL-14780-02 0020 Mechanisms and treatment of cardiovascular diseases - Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat)
- PO1HL-14780-02 0021 Mechanisms and treatment of cardiovascular diseases - Diuretics and related agents on cardiac contractility (human, cats)
- ** PO1HL-14780-02 0028 Mechanisms and treatment of cardiovascular diseases - Evaluation of surgical intervention in coronary artery disease (human)
- RO1HL-14829-02 Perinatal cardiovascular response to acid and alkali (dogs, goats, lamb)
- RO1HL-14981-02 Aspirin in cerebral ischemia-Joint study (human)
- RO1HL-15040-02 Shock in myocardial infarction (human)
- P18HL-15158-03 0009 Comprehensive sickle cell disease center - Counseling and social services
- M P18HL-15169-03 Comprehensive sickle cell disease center
- P18HL-15169-03 0005 Comprehensive sickle cell disease center - Clinical trials of therapy for sickle cell vaso-occlusive crisis
- P18HL-15169-03 0006 Comprehensive sickle cell disease center - Effect of high oxygen concentration upon healing of chronic leg ulcers (human)
- P18HL-15169-03 0018 Comprehensive sickle cell disease center - Studies on sickle cell disease (human, rats, mice, dogs)
- RO1HL-15191-03 Multiparameter methods for cardiovascular research
- PO1HL-15194-02 0003 Pathophysiology of cardiopulmonary dysfunction - Coronary circulation-Evaluation of nutritive flow (human)
- RO1HL-15374-03 Cooperative study of drugs and coronary heart disease (human)
- RO1HL-15382-03 Cooperative study of drugs and coronary heart disease (men)
- ** RO1HL-15620-01 Symptomatic treatment of asthma by relaxation
- RO1HL-15780-01 Non-invasive evaluation of cardiac function (human)
- RO1HL-15912-02 Pulmonary mechanics before and after resection of bulkae (human)
- ** RO1HL-16056-01 Evaluation of acupuncture in hypertension therapy (human)
- RO1HL-16346-05 Automated fluorescence tests for blood clotting (human)
- RO1HL-16651-01 Evaluation of steroid therapy in sarcoidosis
- PO1HL-16833-01 0014 Hemoglobin and red cell system in homoglobinopathies - Erythrocyte membrane damage in Hb SS disease (human)
- RO1HL-16858-01 Mechanical characteristics of the hypertensive heart (rats)
- ** PO1HS-00110-11 0003 Medical care and patient care research program (human) - Studies on the evaluation of podiatric care
- ** PO1HS-00110-11 0014 Medical care and patient care research program (human) - Evaluation of a new community health center
- ** PO1HS-00110-11 0023 Medical care and patient care research program (human) - Medical care plan in a poverty area
- ** PO1HS-00110-11 0045 Medical care and patient care research program (human) - Drug utilization review in prepaid practice
- ** RO1HS-00408-05 Improvement of methodology for clinical evaluations
- P16HS-00429-04 0001 Health services research and development center - Data information system
- ** P16HS-00429-04 0005 Health services research and development center - Drug studies program
- ** RO1HS-01408-01 Medicine use (human)
- R18HS-01561-01 Treatment and costs for drug related morbidities
- ** R21HS-01567-01 Core evaluation in university and community hospitals
- NO1HV-12156-04 Lipid research clinic (human)
- ** NO1HV-12243-05 Lipid clinic patient registry and coordinating center
- NO1HV-12433-05 Therapy for hypertension in the general population
- ** NO1HV-12434-04 Therapy for hypertension in the general population
- ** NO1HV-12436-05 Hypertension therapy in the general population
- ** NO1HV-12442-07 Therapy for hypertension in the general population
- NO1HV-17139-08 Myocardial infarction research unit (human, mammals nonhuman)
- ** NO1HV-81331-08 Myocardial infarction research unit (human, mammals nonhuman)
- NO1HV-81333-09 Myocardial infarction research unit (human, mammals nonhuman)
- R10MH-03030-15 Improved clinical screening of phenothiazic drugs (human)
- R10MH-03701-15 0001 Clinical new chemotherapeutic agent evaluation - Activity and chronic schizophrenia chemotherapy
- R10MH-03701-15 0002 Clinical new chemotherapeutic agent evaluation - Controls in chronic schizophrenia chemotherapy evaluation
- R10MH-03701-15 0003 Clinical new chemotherapeutic agent evaluation - Long term chronic schizophrenia chemotherapy
- R10MH-03701-15 0004 Clinical new chemotherapeutic agent evaluation - Acute and adolescent schizophrenia
- R10MH-03701-15 0005 Clinical new chemotherapeutic agent evaluation - Controls for alcoholism chemotherapy evaluation
- R10MH-03701-15 0006 Clinical new chemotherapeutic agent evaluation - Activity and alcoholism chemotherapy
- ** R10MH-04665-14 Childrens psychopharmacology unit
- RO1MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
- R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics
- RO1MH-08853-10 Instrumental properties of human autonomic functions
- ** RO1MH-08954-10 Methodology of outpatient drug research (human)
- RO1MH-08957-10 Early drug evaluation in neurotic outpatients
- RO1MH-08958-10 Early drug evaluation in neurotic outpatients
- ** NO1MH-10065-02 Clinical evaluation studies of antidepressants
- R10MH-11468-09 0019 Psychopharmacology research center - Plasma levels of butaperazine and therapeutic or side effects in man
- RO1MH-13512-07 Phenothiazine effects on acute schizophrenic behavior (human)
- RO1MH-13738-07 Drug therapy of depressed outpatients
- RO1MH-14675-07 Psychopharmacology computer research
- RO1MH-14734-13 An evaluation of differential treatment for delinquents
- ** RO1MH-14864-08 Automation of the delivery of mental health services
- RO1MH-15442-06 Factors influencing outcomes of psychotherapy (human)
- RO1MH-15553-06 Comparative rehabilitation of chronic mental patients (human)
- ** RO1MH-16129-05 Impact of outcome information on treatment
- RO1MH-17039-05 Psychophysiological studies in hyperactive children
- RO1MH-17654-04 Patient profiles and differential response to drugs
- RO1MH-17728-05 Follow-up of maintenance treatment for depression (human)
- RO1MH-17968-05 Chlorpromazine metabolism in acute schizophrenia (human)
- ** RO1MH-18846-03 Outcome of crisis intervention treatment
- ** RO1MH-19831-04 Brief hospitalization-Effects on patient and family
- RO1MH-19884-03 Treatment of asthma by behavior therapy
- ** PO1MH-19966-03 0008 Psychiatric epidemiology research unit and two field studies - Social breakdown syndrome-Recovery determinants
- RO1MH-19989-04 Classification and assessment of suicidal behaviors (human)
- ** NO1MH-20207-00 Clinical study of new narcotic antagonists in man
- RO1MH-20369-03 Effectiveness of individual psychotherapy
- RO1MH-20583-02 Pharmacotherapy of hyperactive children
- ** RO1MH-20756-02 Factors associated with drug therapy for hyperactivity (human)
- RO1MH-21035-03 Clinical prediction and treatment of episodic violence
- RO1MH-21669-03 Quality evaluation of mental health services

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Ordered significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1MH-21853-03 Rehabilitation program for delinquent Indian youth
 RO1MH-21890-02 Intensive inpatient psychiatric monitoring program
 ** RO1MH-22799-01 Evaluating marriage counseling intervention strategies
 RO1MH-22890-02 Behavior modification-Evaluating effects on patients
 RO1MH-23007-02 Imipramine behavior therapy and phobia
 RO1MH-23925-02 Long acting drugs with after care of schizophrenics
 RO1MH-24741-01 Longitudinal study of physically abused children
 ** RO1MH-24836-01 An outcome and process study of intensive therapy
 RO1MH-24961-01 Self-help groups as mental health resources
 ** RO1MH-24969-01 PRB collaborative study of long acting fluphenazine (human)
 RO1MH-24977-01 NIMH-PRE collaborative study of long acting fluphenazine (human)
 ** PO1MH-25246-01 Effects of psychotherapy in schizophrenia-A pilot study
 R12MH-25570-01 Soteria II-Replication of an alternative to hospitalization
 ** RO3MH-25657-01 Evaluating self-administered desensitization
 RO3MH-25661-01 Control of rumination in children
 ** RO3MH-26160-01 Psychological effects of camp on handicapped children
 RO1MH-26232-01 Behavioral approach to marital dysfunction
 NO1MH-30152-00 Conference on psychiatric residential milieu
 ** NO1MH-40091-00 Evaluation of a prototype psychiatric PSRO
 ** NO1NS-02281-06 Carbamazepine in the treatment of epilepsy (human)
 PO1NS-03364-13 0012 Research center for cerebrovascular disease - Stroke research clinic
 PO1NS-03364-12 0033 Neurological research center in cerebrovascular disease - Prognosis and socioeconomic impact of stroke (human)
 PO1NS-04053-12 0013 Epilepsy - Physiological studies in the human
 ** PO1NS-04053-12 0015 Epilepsy - Seizure clinic-Social service
 RO1NS-05096-11 0015 New amino acid disorders in cerebral disease - Classic maple syrup urine disease
 ** PO1NS-06208-09 0020 Epilepsy research program - Clinical evaluation of dimethylmethyl phenobarbital (human)
 ** PO1NS-06208-09 0021 Epilepsy research program - Folinic acid therapy in epilepsy (human)
 PO1NS-06229-09 0010 Cerebrovascular diseases program - Natural history of cerebrovascular ischemia (human)
 PO1NS-06663-08 0018 Cerebrovascular clinical research center - Transient cerebral ischemia in squirrel monkey
 ** PO1NS-06663-08 0023 Cerebrovascular clinical research center - Mayo experience with anticoagulants and cerebrovascular disease (human)
 PO1NS-06833-08 0003 Interdisciplinary stroke program - Cerebral vascular disorders of infancy and childhood
 PO1NS-06833-08 0010 Interdisciplinary stroke program - Subdural hematomas and other fluid collections of infancy
 RO1NS-06935-06 Cooperative stroke-hypertension study (human)
 ** PO1NS-07366-07 0013 Head injury clinical center research program - Cerebral blood flow and metabolism in acute head injury (human)
 ** PO1NS-07376-07 0020 Univ Chicago head injury center - Clinical evaluation of therapeutic methods (human)
 RO1NS-08970-04 Pathology of acute, experimental spinal cord injury (monkeys, cats)
 PO1NS-09287-04 0007 Baylor center for cerebrovascular research - Complicating factors in acute subarachnoid hemorrhage (human)
 ** RO1NS-09431-03 Acute treatment of ruptured intracranial aneurysms, central registry (human)
 ** RO1NS-09432-03 Acute treatment of ruptured intracranial aneurysms (human)
 ** RO1NS-09433-03 Acute treatment of ruptured intracranial aneurysms (human)
 ** RO1NS-09435-03 Acute treatment of ruptured intracranial aneurysms (human)
 ** RO1NS-09437-03 Acute treatment of ruptured intracranial aneurysms (human)
 ** RO1NS-09438-03 Acute treatment of ruptured intracranial aneurysms (human)
 ** RO1NS-09439-03 Acute treatment of ruptured intracranial aneurysms (human)
 RO1NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
 ** PO1NS-10162-03 0001 Management of spinal cord injury - Establishment of a clinical research center
 PO1NS-10468-03 0004 The perception of speech events - Voice (human, dogs)
 PO1NS-10727-02 0001 The pathologies of sleep-A clinical program - Development and evaluation of diagnostic procedures in sleep disorders (human)
 PO1NS-11066-01 0002 Fundamental studies in spinal cord injury - Physiological studies in spinal cord injury (monkeys)
 P17NS-11091-02 Stroke acute care research unit (human)
 P17NS-11093-02 Stroke acute care research unit (human)
 P17NS-11101-02 Stroke acute care research unit (human)
 P17NS-11106-02 Stroke acute care research unit (human)
 PO1NS-11131-01 0013 Extrapyramidal and related behavioral disorders - Administration of apomorphine orally (human)
 PO1NS-11131-01 0020 Extrapyramidal and related behavioral disorders - Administration of L-metyrosine to patients with parkinsonism
 ** RO1NS-11436-01 Prednisone in myasthenia gravis (human)
 P17NS-11547-01 Stroke acute care research unit (human)
 PO1NS-11601-01 Special clinical center for communications research (children)
 PO1NS-11631-01 0037 Clinical center for research on Parkinson's and allied diseases - Clinical neuropsychological studies (human)
 NO1NS-81310-08 Anti-convulsant properties of albutoin (human)
 NO1NS-92196-04 Anticonvulsant properties of ethosuximide and clonazepam (human)
 ** P07RR-00003-13 0058 Medical data processing research - Remota graphics treatment planning
 P07RR-00003-13 0063 Medical data processing research - Relation of test dose to therapy response in schizophrenia
 ** P07RR-00003-13 0074 Medical data processing research - Clinical laboratory program
 MO1RR-00030-13 0094 General clinical research center - Evaluation of regional cancer chemotherapy (human)
 MO1RR-00030-13 0095 General clinical research center - Irradiation and 1,3-bis (2-chloroethyl)-1-nitrosourea for brain glioma (human)
 MO1RR-00031-14 0062 General clinical research center - Therapy evacuation in chronic skeletal disease (human)
 ** MO1RR-00039-14 0095 General clinical research center - Evaluation of dopamine in hypertension (human)
 MO1RR-00042-14 0030 General clinical research center - Homolysis in Starr-Edwards prosthetic aortic valves, effect of drugs (human)
 MO1RR-00046-14 0014 General clinical research center - Alcoholic hepatitis (human)
 MO1RR-00046-14 0026 General clinical research center - Evaluation of antihypertensive agent-MK-672
 MO1RR-00049-13 0004 General clinical research center - Combination drug chemotherapy of non-Hodgkins lymphoma (human)
 MO1RR-00049-13 0014 General clinical research center - Cytosine arabinoside and hydroxyurea in acute leukemia (human)
 ** MO1RR-00050-13 0063 Wilson's disease - Chemotherapy evaluation programs
 MO1RR-00050-13 0067 Wilson's disease - Evaluation of adriamycin in combination with cyclophosphamide
 ** MO1RR-00050-13 0071 Wilson's disease - Evaluation of new agents in patients with lymphoma
 ** MO1RR-00050-13 0072 Wilson's disease - Evaluation of new treatment in patients with metastatic breast cancer
 ** MO1RR-00054-13 0072 General clinical research center - Thyrotoxicosis (human)
 MO1RR-00055-13 0070 General clinical research center - Evaluation of cancer treatment measurement of cesium 131 uptake
 MO1RR-00059-13 0154 General clinical research center - Analysis of osteoporosis therapy (human)
 ** MO1RR-00063-12 0067 General clinical research center - Effectiveness of methotrexate folic acid (human)
 MO1RR-00065-12 0011 General clinical research center - Evaluation of cardiac surgery (human)
 MO1RR-00065-12 0029 General clinical research center - Management of acute liver failure (human, baboons)
 MO1RR-00076-12 0054 General clinical research center - Evaluation of new antibiotics (human)
 MO1RR-00076-12 0055 General clinical research center - Evaluation of new antimicrobial agents (human)
 MO1RR-00076-12 0059 General clinical research center - Investigation of trimethoprim-sulfamethoxazole (human)
 MO1RR-00076-12 0072 General clinical research center - Efficacy of chronic digitalis therapy (human)
 MO1RR-00081-12 0021 General clinical research center, premature infants - Survival of respiratory failure with use of positive pressure ventilation
 MO1RR-00082-12 0051 General clinical research center - Postoperative assessment of abdominal sarcoma in children
 MO1RR-00095-14 0032 General clinical research center - Effect of truncal and selective gastric vagotomy (human)
 MO1RR-00199-10 0057 General clinical research center for children - Treatment of polycythemia secondary to cyanotic heart disease
 P07RR-00267-09 0093 Biomedical data processing unit - Cellular membrane permeability (human)
 P07RR-00267-09 0131 Biomedical data processing unit - Transport properties of the membrane
 MO1RR-00322-08 0024 General clinical research center - Chemotherapeutic program in lymphoproliferative neoplasms (human)
 MO1RR-00336-08 0067 General clinical research center - Phlebotomy, chemotherapy or radiophosphorus therapy of polycythemia vera (human)
 ** MO1RR-00349-08 0012 General clinical research center - Streptokinase treatment (human)
 MO1RR-00400-06 0047 General clinical research center - adult - Evaluation of immunodeficient patient and therapy with transfer factor (human)
 MO1RR-00585-03 0014 General clinical research center - Effect of coronary bypass on ventricular function (human)
 MO1RR-00633-02 0019 General clinical research center - Evaluation of cardiac function with permanent pacing (human)
 MO1RR-00633-02 0020 General clinical research center - Evaluation of atrial pacing in heart block (human)
 MO1RR-00722-02 0002 General Clinical Research Center - Evaluation of therapy of unstable angina pectoris (human)
 MO1RR-00722-02 0008 General Clinical Research Center - Management of inflammatory bowel disease (human)
 MO1RR-00722-02 0015 General Clinical Research Center - Evaluation of therapy for hemarthroses in hemophilia (human)
 MO1RR-00722-02 0040 General Clinical Research Center - Evaluation of treatment for esophageal disorders (human)
 MO1RR-00722-02 0042 General Clinical Research Center - Evaluation of therapy for sickle cell anemia (human)
 MO1RR-00749-02 0017 General clinical research center - Investigation of shock (human)
 MO1RR-00827-01 0003 General clinical research center - Assessment of leukemic cell burden in acute leukemia (human)
 MO1RR-00827-01 0010 General clinical research center - Circulatory and pharmacologic studies in cardiac disease (human)
 MO1RR-00828-01 0033 General clinical research center - Combined radiation therapy and immunotherapy for lung carcinoma (human)
 MO1RR-00828-01 0034 General clinical research center - Combined radiation therapy and immunotherapy for CA of esophagus (human)
 MO1RR-00828-01 0035 General clinical research center - Combined radiation therapy and immunotherapy for pancreas CA (human)
 MO1RR-00828-01 0036 General clinical research center - Combined chemotherapy and immunotherapy for CA of ovary and colon (human)
 MO1RR-00865-01 0027 General clinical research center - Reconstitution in immunodeficiencies (human)
THERMOACTINOMYCETES
 SEE ACTINOMYCETALES, THERMOPHILIC ACTINOMYCETES*
THERMODYNAMICS (CHEMISTRY)
 SEE CHEMISTRY, THERMODYNAMICS (GENERAL)
THERMOGRAPHY
 SEE OPTICS, THERMOGRAPHY*
THERMOLUMINESCENT RADIATION DETECTOR-READER
 SEE RADIOASSAY, THERMOLUMINESCENT RADIATION DETECTOR-READER*
THERMOLYSIN
 SEE PROTEASES AND PEPTIDASES, THERMOLYSIN
THERMOMETRY
 SEE TEMPERATURE MEASUREMENT*
THERMOPHILIC ACTINOMYCETES
 SEE ACTINOMYCETALES, THERMOPHILIC ACTINOMYCETES*
THERMOPOLYSPORA
 SEE ACTINOMYCETALES, THERMOPHILIC ACTINOMYCETES*
THERMORECEPTION
 SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
THERMOREGULATION (BODY TEMPERATURE)
 SEE TEMPERATURE (BODY) REGULATION
THERMOSTABILITY-LABILITY
 SEE TEMPERATURE, HEAT STABILITY-LABILITY
THERMOTHERAPY (NEOPLASMS)
 SEE NEOPLASTIC THERAPY, THERMOTHERAPY
THIAZABICYCLO(3.2.0)HEPTANES, PENICILLANIC ACID
 SEE ALSO ANTIBIOTICS, PENICILLIN
 ** P01GM-18715-02 0005 Biochemical effects and chemical reactions of drugs - Stable substances absorbing at 320 nm forming from penicillanic acid
 ** P01GM-18715-02 0006 Biochemical effects and chemical reactions of drugs - Kinetic reactions of benzylpenicillanic acid
 ** P01GM-18715-02 0008 Biochemical effects and chemical reactions of drugs - Efficient trapping agent for the sulphydryl group of a penicillanic acid
 P01GM-18715-02 0009 Biochemical effects and chemical reactions of drugs - Semi-synthetic penicillins (cont'd)

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**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

THIAZINES, DIAZOXIDE

- R01AA-00312-03 0005 Acute and chronic gastric mucosal injury due to alcohol - Prevention by anti-inflammatory and vasodpressive drugs. (rats)
- R01AM-01410-16 Insulin production by the perfused pancreas (rats, hamsters)
- R01AM-10151-09 Pathogenesis of diabetes mellitus (human, monkeys, rats)
- R01AM-12763-05 Insulin release in diabetes (human, cattle)
- R01AM-14180-05 Behavioral determinants of water-electrolyte status (rats)
- R01CA-02478-20 Chemotherapy of cancer-Experimental and clinical
- ** P11GM-14270-08 0036 Human drug metabolism and toxicology - Diazoxide (dogs, monkeys, human)
- ** P11GM-15431-08 0033 Research center for clinical pharmacology and drug toxicology - Renal pharmacology of diazoxide (dogs)
- ** P11GM-15431-08 0052 Research center for clinical pharmacology and drug toxicology - Antihypertensive therapy with diazoxide, employing a dose-ranging regimen (human)
- P11GM-15559-07 0035 Clinical pharmacology - Drugs and release of pancreatic hormones in women
- P11GM-15559-07 0041 Clinical pharmacology - Pediatric clinical pharmacology
- R01HL-11668-07 0008 Cineangiographic studies of the cardiovascular system - Renovascular response to vasoconstrictors and vasodilators in oliguric dog
- P17HL-14242-04 0001 Specialized center of research in hypertension - Clinical study of malignant hypertension
- P01HL-14780-02 0021 Mechanisms and treatment of cardiovascular diseases - Diuretics and related agents on cardiac contractility (human, cats)
- R01HL-16489-01 Renal prostaglandins-Synthesis and function (human, dogs, rats)
- M01RR-00042-14 0009 General clinical research center - Leucine and sulfonurea induced hypoglycemia (human)
- M01RR-00056-13 0012 General Clinical Research Center - Pancreatic islet cell tumors (human)
- M01RR-00079-12 0058 General clinical research center - Idiopathic and ketogenic hypoglycemia (human)
- M01RR-00080-12 0008 General clinical research center - Distal tubular disorders (human)
- M01RR-00086-12 0019 General clinical research center-children - Intractable hypoglycemia of infancy
- M01RR-00240-10 0031 General clinical research center-Children - Hypoglycemia
- ** M01RR-00240-10 0094 General clinical research center-Children - Diazoxide and hypoglycemia
- M01RR-00240-10 0098 General clinical research center-Children - Streptozotocin on unremitting hypoglycemia secondary to hyperinsulinism
- ** M01RR-00305-08 0018 Clinical research center for children - Diazoxide in treatment of Von Gierkes disease
- M01RR-00626-02 0074 General clinical research center - Medical treatment of malignant insulinoma (human)

THIADIAZOLES

- SEE ALSO SULFANILAMIDES, SULFAMETHIZOLE
- SEE ALSO SULFONAMIDES, ACETAZOLAMIDE
- R01AM-14059-15 Pathways of purine metabolism (human)
- R01HD-00400-12 Mechanisms of action of chemical teratogens (rats)

THIAMINE

- SEE VITAMIN B, THIAMINE

THIAMINE ANALOGS

- SEE VITAMIN B, THIAMINE ANALOGS

THIAMINE ANTAGONISTS

- SEE VITAMIN B, THIAMINE ANTAGONISTS

THIAMINE DEFICIENCY

- SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B, THIAMINE DEFICIENCY

THIAMINE PYROPHOSPHATE

- SEE VITAMIN B, THIAMINE PYROPHOSPHATE

THIAZOLES

- SEE ALSO FLAVANOLS, VASOFLAVINE
- SEE ALSO VITAMIN B, THIAMINE
- ** R01CA-11147-06 Thiazolo- and oxazole 5, 4-d pyrimidine nucleosides
- R01CA-15857-01 Clinical chemotherapy and pharmacology
- P01GM-16492-06 0001 Design of chemotherapeutic agents - Design of anti-schistosomal compounds (mice)
- P01GM-18715-02 0007 Biochemical effects and chemical reactions of drugs - Synthesis and studies of the development of thiazolidinyl-oxazolones

THIAZOLES, LUCIFERIN

- R01CA-11572-05 Structural and biological studies of natural products (plants, animals)
- R01GM-19488-17 Chemi- and bioluminescence

THIAZOLES, NIRIDAZOLE

- P01GM-16492-06 0002 Design of chemotherapeutic agents - Antischistosomal effectiveness, toxicity of nitrovinylfuran, SQ 18,506 (mice)

THIAZOL(IDINE) CARBOXYLIC ACIDS

- SEE ALSO ANTIBIOTICS, PENICILLIN
- SEE ALSO ANTIBIOTICS, THIOSTREPTON
- SEE ALSO THIAZABICYCLO(3.2.0)HEPTANES, PENICILLANIC ACID
- SEE ALSO THIAZOLES, LUCIFERIN
- R01AA-00663-01 Sulfhydryl amino acids on ethanol metabolism (animals)

THIAZOL(IDINE) CARBOXYLIC ACIDS, PENICILLOIC ACIDS

- R01AJ-11399-01 Metal binding-Drug allergenicity and effectiveness

THIENYLALANINE

- SEE SULFUR AMINO ACIDS, THIENYLALANINE

THIETANE

- ** R01CA-08250-10 Heterocyclic organosulfur chemistry

THIN LAYER CHROMATOGRAPHY

- SEE PHYSICAL SEPARATION, CHROMATOGRAPHY, THIN LAYER*

THINKING

- SEE PSYCHOLOGY, COGNITION, THINKING

THIOACETAMIDE

- SEE THIOAMIDES, THIOACETAMIDE

THIOACIDS (GENERAL)

- P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds

THIOAMIDES (GENERAL)

- SEE ALSO BENZOPYRROLES, PHTHALIMIDES, CAPTAN
- SEE ALSO PYRIDINAMIDES, NICOTINAMIDE, ETHIONAMIDE
- SEE ALSO THIOUREA
- R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)

THIOAMIDES, THIOACETAMIDE

- P11GM-12675-10 0057 Biochemical toxicology and pharmacology - Chemical carcinogens and polysome association with endoplasmic reticulum (rats)

THIOAMIDES, THIOGLYCOLAMIDE

- ** P11GM-15477-08 0041 Drug metabolism and biochemical pharmacology - Kinetics induction microsomal drug metabolism-Thioacetamide, SKF 525A (rats)

THIOCARBAMATES

- R18AA-00175-03 Services for problem drinking drivers
- M01ES-22084-06 Long range toxicologic effect of specific fungicides (rats, mice)
- P01MH-16674-06 0034 A program of psychiatry-oriented biological research - Inhibition of adrenergic neurotransmission on memory consolidation in mice

THIOCARBAMATES, DISULFIRAM

- R18AA-00088-02 Tulalip alcoholism prevention and rehabilitation
- R18AA-00168-03 Services for problem drinking drivers
- R18AA-00169-03 Wazee Center Skid Row Community Demonstration Program
- R18AA-00174-03 Services for problem drinking drivers
- R18AA-00176-03 Services for problem drinking drivers
- R01AA-00266-04 Acetaldehyde-Neural amine reactions during alcoholism
- R01AA-00329-01 Effects of disulfiram-marihuana in alcoholism (human)
- R01AA-00379-01 Opiate addiction and alcoholism-Concurrent treatment
- R18AA-00481-03 Alcoholic offender program for Madison County (Alabama)
- R18AA-00829-02 Alcoholic rehabilitation program (action)
- ** R01AA-01272-01 Microencapsulated alcohol sensitizing agents (rats)
- P01DA-00250-03 0003 Research center-Studies of drug dependence and abuse - Neurochemistry and neuropharmacology of psychomotor stimulants (monkeys)
- P11GM-15477-08 0110 Drug metabolism and biochemical pharmacology - Brain catecholamines, diethylthiocarbamate and dopa (rats)
- P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
- ** P11GM-15956-07 0040 Factors affecting the responses to drugs - Disulfiram metabolites in urine (human)
- P11GM-20852-01 0006 Clinical pharmacokinetics and biopharmaceutics - Kinetics of drug action-Anticoagulants (rats, human)
- R01MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
- ** M01RR-00828-01 0013 General clinical research center - Determination of disulfiram metabolites in urine (human)

THIOCARBAMIDE

- SEE THIOUREA

THIOCTIC ACID

- SEE VITAMIN B, LIPOIC ACID

THIOCYANATES

- ** R01AM-16006-03 Nutritional factors and SCN in thyroid development (rats)
- P01CA-13330-03 0055 Cancer research program - Control mechanisms of ion and electron transfer
- ** P01ES-00049-10 0019 Mode of action and metabolism of organic toxicants - Thiocyanate insecticide chemicals-Metabolism and mode of action (flies, mice)
- P01GM-18674-03 0014 Diagnostic radiology research and training center - Chemistry and physiology of technetium-99m labeled compounds (mice, dogs)
- P01NS-06833-08 0009 Interdisciplinary stroke program - Metabolism in sickle cell anemia (human)

THIOCYANATES, ISOTHIOCYANATES

- ** P11GM-12675-10 0011 Biochemical toxicology and pharmacology - AMT alteration of nonethyropoietic bilirubin production (rats)
- ** P01GM-13901-08 0012 Analytical biochemistry for human studies - Gas chromatography-mass spectrometry of isothiocyanates

THIODIPHENYLAMINE

- SEE PHENOTHIAZINES

THIOESTERS (GENERAL)

- R01CA-10979-06 Glyoxalase inhibitors as potential anticancer agents (bacteria, mice)
- R01GM-18999-03 Enzyme, nonenzyme catalyzed carbon acid prototropy

THIOETHERS

- SEE SULFIDES, THIOETHERS

THIOGLYCOLAMIDE

- SEE THIOAMIDES, THIOGLYCOLAMIDE

6-THIOGUANINE

- SEE THIOPURINES, 6-THIOGUANINE

6-THIOGUANOSINE

- SEE THIOPURINE NUCLEOSIDES, THIOGUANINE NUCLEOSIDES, 6-THIOGUANOSINE

THIOKETONES

- SEE THIONES (GENERAL)

THIOLAMINES

- SEE AMINOTHOLS

THIOLHISTIDINE-BETAINE

- SEE IMIDAZOLES, ERGOTHIONEINE

BETA-THIOL-PYRUVATE TRANSULFURASE

- SEE TRANSULFURASES, BETA-THIOL-PYRUVATE TRANSULFURASE

THIOLS

- SEE ALSO AMINOTHOLS
- SEE ALSO IMIDAZOLES, ERGOTHIONEINE
- SEE ALSO IMIDAZOLES, METHIMAZOLE
- SEE ALSO SULFHYDRYLS
- R01AI-09116-06 Tissue enzymes and plasma proteins (rabbits)
- R01AM-05310-13 Fatty acid activation and transfer to glycerolipids (rats)
- R01AM-10960-08 Topochemistry of urease and its hydroxamate inhibitors (plants, bacteria, rodent)
- R01AM-11661-08 Metabolic control in reactions of nucleotide sugars (cattle, chick embryo)
- R01AM-15878-02 Enzymic basis of acid secretion (mammals)
- P17AM-17026-01 0020 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of nuclear protein phosphorylation in isolated fat cells
- R01CA-06695-12 Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
- R01CA-08348-10 Biochemistry of procarbazine and related hydrazines (rats)
- R01CA-10220-06 Radiation chemistry of nucleic acids and nucleoproteins
- R01CA-10979-06 Glyoxalase inhibitors as potential anticancer agents (bacteria, mice)
- R01CA-12971-03 Biochemical mechanisms of pyrimidine alkylation (bacteria, rats, goats)
- P10ES-00002-12 0011 Occupational and environmental health - Metal-toxicity interactions (rabbits)
- P01ES-00049-10 0022 Mode of action and metabolism of organic toxicants - Thiocarbamate herbicides-Metabolism and mode of action (mice, plants)
- R01GM-06245-15 Chemistry of Krebs cycle enzymes (swine)
- ** R01GM-07966-14 Chemistry of unsymmetrical aliphatic disulfides
- R01GM-11094-12 Enzymic phosphorylations and related mechanisms (bacteria)
- P01GM-18715-02 0005 Biochemical effects and chemical reactions of drugs - Stable substances absorbing at 320 nm forming from penicillic acid
- P01GM-18715-02 0006 Biochemical effects and chemical reactions of drugs - Kinetic reactions of benzylpenicillic acid
- R01GM-18752-03 Solid-phase peptide synthesis (animals)

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- R01GM-19328-03 Burn debridement-Chemical, enzymatic, CO2 laser (human, swine, dogs, rats)
- R01GM-20853-14 Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi)
- R01GM-20888-17 Chemistry and biochemistry of energy transfer
- R01GM-21232-01 Biosynthesis and function of thiolimidazoles (*Neurospora crassa*)
- R01HD-00122-10 Comparative biochemistry of proteins (human, animals)
- R01HL-15367-02 Troponin action in cardiac and skeletal muscle (rabbits)
- R01HL-16264-01 Role of inflammatory hormones in chronic lung disease
- R01NS-09608-05 Biochemical aspects of nerve function (rats)
- ** M01RR-00865-01 0020 General clinical research center - Thiol therapy in paraproteinemia and Bence Jones proteinuria (human)
- THIOLS, DIMERCAPROL**
- P10ES-00159-09 0009 Center for study of the human environment - Effect of toxic metals and drugs on zinc and copper metabolism (rats)
- R01ES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
- ** R01ES-00843-03 Diagnosis and therapy of chronic childhood plumbism
- R01ES-00895-01 Structural studies in treatment of metal poisoning
- R01ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
- P01HD-00669-15 0012 Interdisciplinary program of research in aging - Post-mature structural changes in human collagen
- M01RR-00102-11 0012 General clinical research center - Lead poisoning (human)
- THIOLS, DITHIOLS**
- R01AM-07719-11 Polyhydroxycycloalkanes
- R01ES-01041-01 0007 Photosensitivity - Systemic photoprotective agents (mice)
- THIOLUTIN**
- SEE ANTIBIOTICS, THIOLUTIN
- THIONES (GENERAL)**
- ** P01ES-00049-10 0014 Mode of action and metabolism of organic toxicants - Thionophosphorus insecticides-Mixed function oxidase system (rodents, flies)
- THIOPENTAL**
- SEE PYRIMIDINES, BARBITURATES, THIOPENTAL
- THIOPHENES**
- SEE ALSO SULFONATES, TRIMETHAPHAN CAMPHORSULFONATE
- SEE ALSO SULFUR AMINO ACIDS, THIENYLALANINE
- SEE ALSO VITAMIN B, BIOTIN
- R01GM-20347-01 Heterocyclic compounds of potential biological utility
- R01GM-21159-01 Vinyl sulfides in organic synthesis
- THIOPHOSPHATES**
- SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, DIAZINON
- SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, GUTHION
- SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, MALATHION
- SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, PARATHION
- R01ES-00075-10 Enzyme mechanism of insecticide metabolism (rats)
- P10ES-00267-07 0006 Center for environmental toxicology - Metabolism of phosphorothionate insecticides (rats)
- THIOPROPAZATE**
- SEE PHENOTHIAZINES, THIOPROPAZATE
- THIOPURINE NUCLEOSIDES**
- N01AI-22532-04 Central facility study treatment of serious viral infections with chemotherapeut
- THIOPURINE NUCLEOSIDES, 6-MERCAPTOPYRIMIDINE RIBOSIDES**
- R10CA-03096-17 Southwest cancer chemotherapy cooperative study group
- R10CA-04915-15 Southwest cancer chemotherapy cooperative study group
- R10CA-05587-14 Southwest cancer chemotherapy study group (human)
- P01CA-08748-09 7404 Research program of Sloan-Kettering Institute - Decreased oncogenic potential in resistant mouse leukemia
- P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
- THIOPURINE NUCLEOSIDES, THIOGUANINE NUCLEOSIDES, DEOXYTHIOGUANOSINE**
- R10CA-07961-10 Southeastern cancer study group
- ** P02CA-11265-05 0034 General clinical cancer research center - Beta-deoxythioguanosine in refractory acute leukemia
- ** M01RR-00030-13 0131 General clinical research center - Acute leukemia treated by beta-deoxythioguanosine (human)
- THIOPURINE NUCLEOSIDES, THIOGUANINE NUCLEOSIDES, 6-THIOGUANOSINE**
- ** R10CA-12159-03 Crystal structure of purine and pyrimidine analogues
- R10CA-15578-01 Southeastern Cancer Study Group
- THIOPURINES**
- R10CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
- ** P01CA-08748-09 7215 Research program of Sloan-Kettering Institute - Synthesis of purine-protein conjugates as antitumor agents
- P02CA-11265-05 0034 General clinical cancer research center - Beta-deoxythioguanosine in refractory acute leukemia
- THIOPURINES, 6-MERCAPTOPYRIMIDINE RIBOSIDES**
- R01AM-13660-04 0002 Pathology of biomedical disorders in vitro - Purine analog resistance in hyperuricemia and leukemia patients
- R10CA-02822-19 Eastern cooperative oncology group (human)
- R10CA-02971-18 Childrens cancer study group A
- R10CA-03096-17 Southwest cancer chemotherapy cooperative study group
- R10CA-03389-16 Southwest cancer chemotherapy cooperative study group
- R10CA-03526-17 Childrens cancer study group A
- R10CA-03713-17 Southwest cancer chemotherapy cooperative study group
- R10CA-03750-17 Childrens cancer study group A
- R10CA-03888-17 Childrens cancer study group A
- R10CA-03927-17 Acute leukemia group B (human)
- R10CA-04457-15 Acute leukemia group B
- R10CA-05436-14 Childrens cancer study group A
- R10CA-05587-14 Southwest cancer chemotherapy study group (human)
- P02CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
- P02CA-05831-13 0038 Cancer clinical research - Biochemical basis of varying drug toxicity (human)
- P02CA-05834-13 0040 Cancer clinical research center - Acute lymphocytic leukemia (human)
- ** P02CA-05838-13 0004 Clinical radiotherapy cancer research center - Advanced pelvic neoplasms
- ** P01CA-06927-12 0012 Biological and biochemical program in cancer research - Biochemical factors in drug resistance
- R10CA-07306-11 Childrens cancer study group A
- R10CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
- P02CA-07357-10 0014 Special children's cancer center program - Periodic reinforcement therapy in children with acute leukemia
- R10CA-07431-11 Childrens cancer group A
- R10CA-07757-10 Acute leukemia group B (human)
- R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
- R10CA-08025-10 Acute leukemia group B
- ** P02CA-08341-09 0043 Clinical pharmacology and cancer chemotherapy - Thiopurine resistance
- ** P02CA-08480-09 0017 Childhood cancer research center - Total therapy of acute lymphocytic leukemia (human)
- P01CA-08748-09 7404 Research program of Sloan-Kettering Institute - Decreased oncogenic potential in resistant mouse leukemia
- R10CA-10382-08 Childrens cancer study group A
- R10CA-10456-07 Acute leukemia group B operations office
- R10CA-10572-06 Eastern cooperative oncology group
- P01CA-10748-07 0006 Cancer chemotherapy program - Effects of nucleotides and analogs on IMP dehydrogenase (rats, dogs, human)
- P02CA-10895-06 0005 Adult leukemia research center - Treatment of acute leukemia (human)
- R10CA-11174-06 Childrens cancer study group A
- R10CA-11233-06 Southwestern cooperative chemotherapy study group
- P02CA-11265-05 0034 General clinical cancer research center - Beta-deoxythioguanosine in refractory acute leukemia
- R10CA-11789-05 Acute leukemia cooperative group B
- R10CA-12109-04 0002 Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
- R10CA-12449-04 Acute leukemia group B-Boston group
- R10CA-12635-03 Pathogenesis of plasma cell tumors (mice)
- R10CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
- P01CA-13038-03 0036 Experimental therapeutics and cancer drug program - Degree of similarity between chemotherapeutic agents
- R10CA-13050-03 Combination therapy of childhood leukemia
- P02CA-13053-03 0033 Clinical cancer radiation therapy research center - AKR-lymphoma model of childhood acute lymphoblastic leukemia
- R10CA-13057-03 Acute leukemia cooperative group B
- R10CA-13239-02 Acute leukemia cooperative group B
- R10CA-13701-02 Mechanisms of immunity in leukemia (mice)
- R10CA-13712-02 Effect of asparaginase on sensitivity to other drugs (mice, human)
- R10CA-13809-02 Children's cancer study group A
- R10CA-14030-02 Regulation of metabolism by purine interconversions (rats, mice)
- R10CA-14223-02 Measurement of cell response to anticancer drugs
- R10CA-14386-01 Toxicity of anti-tumor drugs (mice)
- R10CA-14557-01 Children's cancer study group A
- R10CA-15036-02 A phosphoribosyltransferase from leukemic cells
- R10CA-15675-01 Design and evaluation of antitumor nucleoside analogs
- P02CA-15688-01 0013 Program in medical oncology - Remission induction in adult non-lymphocytic leukemia
- R01DE-03348-03 Altered RNA metabolism on salivary glands
- P11GM-15956-07 0014 Factors affecting the responses to drugs - Hypersensitivity and drug effects (mice)
- M01RR-00069-12 0101 General clinical research center, children - Treatment of systemic lupus erythematosus
- THIOPURINES, 6-MERCAPTOPYRIMIDINE, AZATHIOPRINE**
- P01AI-04506-11 Immunological procedures for allograft survival (dogs, rats, monkeys)
- ** P02AI-06320-10 0003 Transplantation immunology center - Azathioprine metabolism study (human)
- R01AI-09651-04 Leukocyte chemotaxis (human, rodents)
- ** R01AI-10591-03 Immune mechanisms in humans receiving azathioprine
- R01AI-10824-03 Graft immunogenicity and its modification (mice, rats)
- ** R01AM-02133-17 0032 Clinical studies of ulcerative colitis - Azathioprine (Imuran) for ulcerative colitis
- R01AM-02133-17 0045 Clinical studies of ulcerative colitis - Azathioprine in the management of Crohn's disease
- R01AM-03361-15 Organ survival under experimental conditions (dogs)
- R01AM-06074-16 Renal pathology studied with electron microscopy (human, rats, rabbits)
- R01AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
- R01AM-09128-10 Interhospital cooperative studies of cirrhosis (human)
- P01AM-10824-08 0007 Cellular immunity - Immunoregulatory alpha globulin in induction of tolerance (mice)
- P01AM-11290-08 Pathophysiology of organ transplant (human)
- P02AM-13083-06 0060 Organ transplantation - Experimental auxiliary liver allotransplantation (dogs)
- R01AM-13200-06 Characterization of autoimmune disease (mice)
- R01AM-15159-04 Immunohistopathology of renal diseases (human, rabbits)
- P01AM-16392-02 0009 Immunologic mechanisms in renal disease in childhood - Antilymphocyte serum and immunology of renal allograft (human, rabbits, rodents)
- R01AM-17001-01 Combination immunosuppression in kidney transplants (dogs, rabbits)
- R01AM-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
- R01AM-17376-02 Transplant rejection and C 3 conversion inhibition (human, dogs)
- R01AM-17388-02 Immunologic studies in glomerulonephritis (human, rabbits)
- P01CA-08748-09 5934 Research program of Sloan-Kettering Institute - Immunosuppressive effects of cytotoxic drugs (rats)
- R10CA-12635-03 Pathogenesis of plasma cell tumors (mice)
- R10CA-14928-10 C-type RNA virus and immunopathology (mice)
- N01CP-45600-00 Determining the effect of chronic immunosuppression (mice)
- P01DE-01766-12 0007 Ultrastructure and physiology of oral mucosa - Induction and suppression of oral cancer (hamsters)
- ** P11GM-15759-08 0020 Clinical pharmacology in rheumatic and muscular diseases - Azathioprine and cyclophosphamide rheumatoid arthritis and psoriatic arthritis
- ** P11GM-15759-08 0021 Clinical pharmacology in rheumatic and muscular diseases - Effects of azathioprine on SLE with nephritis and in collagen-vascular diseases
- ** P11GM-15759-08 0025 Clinical pharmacology in rheumatic and muscular diseases - Effects of azathioprine and cyclophosphamide on cellular functions (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

** P11GM-15759-08 0026 Clinical pharmacology in rheumatic and muscular diseases - Azathioprine resistance and sensitivity-dose requirements (human)
 ** P11GM-15759-08 0027 Clinical pharmacology in rheumatic and muscular diseases - Azathioprine and cyclophosphamide effect humoral and cellular immunity (human)
 P11GM-15956-07 0014 Factors affecting the responses to drugs - Hypersensitivity and drug effects (mice)
 R01HD-07745-01 Role of immunocytes and immunosuppressants in aging (mice)
 R01HL-06163-13 Heart transplantation (dogs)
 P01HL-08203-12 0003 Renal homotransplantation in man - Hepatic transplantation (human, dogs)
 R01HL-08696-10 0001 Orthotopic heart transplantation - Immunological control-Cyclophosphamide and antithymocyte globulin (dogs)
 ** P01HL-13108-05 0004 Clinical heart transplantation - Immunosuppression (human, dogs)
 P01HL-13108-05 0005 Clinical heart transplantation - Infection (human)
 R01HL-14267-04 Evaluation of rejection of cardiac transplants (dogs, mice)
 R01HL-14455-03 Cardiac allotransplantation (dogs)
 R01HL-15246-01 Lung allotransplantation (baboon)
 R01HL-15593-02 0004 Prolonged extracorporeal cardiopulmonary support - Laboratory evaluation of lung transplant rejection (sheep)
 R01HL-16327-01 Immunologic mechanism of pulmonary cavitation (rhesus monkeys)
 R01HL-16737-01 Microcirculatory aspects of the allograft reaction (rabbits)
 M01RR-00030-13 0024 General clinical research center - Membranous glomerulopathy (human)
 M01RR-00030-13 0045 General clinical research center - Immunosuppressive agents in various diseased (human)
 ** M01RR-00036-14 0041 General clinical research center - Imuran therapy of systemic lupus erythematosus (human)
 ** M01RR-00042-14 0032 General clinical research center - Azathioprine in treatment of Crohns disease (human)
 M01RR-00046-14 0030 General clinical research center - Drug therapy in hepatitis and hepatic necrosis (human)
 ** M01RR-00047-14 0029 General clinical research center - Chronic active hepatitis (human)
 ** M01RR-00049-13 0008 General clinical research center - Immunosuppressive agents as azathioprine for auto-immune diseases (human)
 ** M01RR-00051-13 0035 General clinical research center - Azathioprine and prednisone in hepatitis (human)
 ** M01RR-00051-13 0086 General clinical research center - National Cooperative Crohn's Disease Study (human)
 ** M01RR-00051-13 0091 General clinical research center - Suppression of uric acid production by azathioprine (human)
 M01RR-00052-13 0006 General clinical research center for children - Renal transplantation
 M01RR-00053-13 0037 Clinical research center - Lung transplantation (human)
 ** M01RR-00055-13 0004 General clinical research center - Imuran treatment of ulcerative colitis (human)
 ** M01RR-00055-13 0029 General clinical research center - Study of imuran in regional enteritis (human)
 M01RR-00055-13 0078 General clinical research center - Use of cortisone and imuran for exophthalmos, myxedema and hyperthyroidism (human)
 M01RR-00058-13 0013 General clinical research center - Cyclophosphamide therapy in SLE nephritis (human)
 ** M01RR-00060-13 0054 General clinical research center - Imuran and aldomet therapy in hepatic pathology (human)
 M01RR-00069-12 0101 General clinical research center, children - Treatment of systemic lupus erythematosus
 M01RR-00070-12 0033 General clinical research center - Treatment of nephritis of systemic lupus erythematosus (human)
 M01RR-00070-12 0084 General clinical research center - Treatment of nephritis of systemic lupus erythematosus (human)
 ** M01RR-00079-12 0071 General clinical research center - Use of Imuran in nephrosis, glomerulonephritis and lupus nephritis (children)
 M01RR-00125-11 0114 General clinical research center-adult-child - Immunosuppressant treatment of lupus nephritis
 ** M01RR-00125-11 0138 General clinical research center-adult-child - Therapy of granulomatous ileocolitis with azathioprine
 M01RR-00128-10 0036 General clinical research center for children - Immunosuppressive therapy in collagen diseases
 ** M01RR-00128-10 0065 General clinical research center for children - Azathioprine for inflammatory bowel disease
 M01RR-00199-10 0061 General clinical research center for children - Metachromatic leukodystrophy
 M01RR-00287-08 0043 General clinical research center - Immunologic and hemodynamic study of transplanted kidney (human)
 ** M01RR-00400-06 0012 General clinical research center-adult - Prednisone-imuran therapy for nephrotic syndrome (human)

M01RR-00425-06 0052 General clinical research center - Vasactive amine metabolism and immunologic change after renal transplant (human)
 M01RR-00425-06 0054 General clinical research center - Effectiveness of horse antihuman thymocyte globulin in human kidney transplant
 M01RR-00425-06 0059 General clinical research center - Human lung transplantation
 M01RR-00425-06 0061 General clinical research center - Immunosuppression for glomerular disorders and collagen-vascular disease (human)
 ** M01RR-00533-06 0038 General clinical research center, adult - Azathioprine in clinical penetrating keratoplasty (human)
 M01RR-00722-02 0004 General Clinical Research Center - Immunosuppressive therapy in connective tissue disease (human)
 M01RR-00722-02 0008 General Clinical Research Center - Management of inflammatory bowel disease (human)
 M01RR-00722-02 0011 General Clinical Research Center - Corticosteroid and immunosuppressive therapy in hepatic sarcoidosis (human)
 M01RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)
 M01RR-00722-02 0024 General Clinical Research Center - Corticosteroids and immunosuppressive agents in pulmonary sarcoidosis (human)
THIOPURINES, 6-THIOGUANINE
 R10CA-02599-20 Acute leukemia group B (human)
 R01CA-02978-18 Methods for studying actions of the tumor-inhibitory drugs (bacteria)
 R10CA-03485-18 Western cooperative cancer chemotherapy group (human)
 R10CA-04326-16 Acute leukemia group B
 R10CA-05186-14 Western cancer study group
 R10CA-05436-14 Childrens cancer study group A
 R10CA-05587-14 Southwest cancer chemotherapy study group (human)
 P02CA-05831-13 0038 Cancer clinical research - Biochemical basis of varying drug toxicity (human)
 P02CA-05838-13 0005 Clinical radiotherapy cancer research center - Non-Hodgkin's lymphoma
 R10CA-06594-12 Eastern cooperative oncology group
 R10CA-06800-12 Western cooperative cancer chemotherapy group
 R01CA-07340-11 0001 Coenzymes containing purine and pyrimidine analogs - Polyphosphate nucleotide synthesis and degradation (human)
 R01CA-07340-11 0002 Coenzymes containing purine and pyrimidine analogs - Cytolytic action of purine and purine ribonucleosides
 R10CA-07585-11 Western conference cancer chemotherapy group
 R10CA-07968-10 Leukemia lymphoma and myeloma chemotherapy
 P02CA-08341-09 0037 Clinical pharmacology and cancer chemotherapy - CAM in acute leukemia
 P01CA-08748-09 7410 Research program of Sloan-Kettering Institute - Biochemical mechanism of resistance to P815 neoplasms (mice)
 R10CA-10186-08 Western cancer study group
 R10CA-10376-07 Southwest cancer chemotherapy study group
 R10CA-10379-06 Southwest cancer chemotherapy study group
 P02CA-11198-06 0005 Cancer research center - Dihydrofolic reductase and pyrimidine phosphoribosyl transferase (human)
 R10CA-11233-06 Southwestern cooperative chemotherapy study group
 P01CA-11520-05 Therapeutic research in cancer (human, mice, hamsters)
 R10CA-11789-05 Acute leukemia cooperative group B
 ** R01CA-12159-03 Crystal structure of purine and pyrimidine analogues
 R10CA-12449-04 Acute leukemia group B-Boston group
 R01CA-12827-03 Immunotherapy of acute leukemia (humans)
 R10CA-12985-03 Western cooperative cancer chemotherapy group
 R10CA-13057-03 Acute leukemia cooperative group B
 P02CA-13148-03 0013 Pilot cancer center - Treatment of childhood leukemia and lymphosarcoma
 ** P02CA-13148-03 0046 Pilot cancer center - Adult acute leukemia
 R10CA-13809-02 Children's cancer study group A
 R01CA-13832-02 Enzymatic prediction of response to anticancer drugs (human)
 R01CA-14102-03 Kinetics of monoclonal plasma cell neoplasia of man
 R10CA-15488-01 Eastern Cooperative Oncology Group
 P02CA-15688-01 0013 Program in medical oncology - Remission induction in adult non-lymphocytic leukemia
 N01CM-02083-12 Pharmacology of anti-leukemic and other anticancer drugs (monkeys, dogs, rodents)
 M01RR-00030-13 0097 General clinical research center - Treatment of acute myeloblastic leukemia (human)

** M01RR-00030-13 0133 General clinical research center - Effect of cytosine arabinoside and thioguanine in granulocytic leukemia (human)
 M01RR-00063-12 0077 General clinical research center - Antineoplastic agents in leukemia (human)
 M01RR-00063-12 0085 General clinical research center - Total therapy of chronic granulocytic leukemia (human)
 M01RR-00063-12 0087 General clinical research center - Therapy of previously untreated acute lymphocytic leukemia (human, clinical)
 M01RR-00063-12 0089 General clinical research center - Treatment of non-Hodgkin's lymphomas (human)
 ** M01RR-00063-12 0091 General clinical research center - Thioguanine, cytosine arabinoside, daunomycin in lymphatic leukemia (human)
 M01RR-00287-08 0037 General clinical research center - Acute leukemia group B cancer chemotherapy protocol (human)
THIOPYRIMIDINES, THIOURACIL
 R01AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
 R01AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
 ** R01AM-15421-14 Thyroxine-protein interactions (human, rats)
 R01AM-15810-03 Studies of thyroid hormone metabolism (human)
 R01AM-16006-03 Nutritional factors and SCN in thyroid development (rats)
 ** R01AM-16497-02 0019 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in man
 ** R01AM-16497-02 0020 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in the rat
 R01AM-16497-02 0022 Normal and disordered thyroid hormone economy - Peripheral conversion of T4 to T3 in man
 ** P01CA-10815-06 0051 Consolidated basic cancer research program - Effects of radiolabeled thiouracil on survival of melanoma cells (hamsters)
 R01CA-14758-01 The ultimobranchial body and thyroid tumors (rats, birds)
 R01CA-14969-02 0009 Radionuclide studies of tumors and growth - Eye studies with radionuclides
 R01CA-15825-01 Development of neoplastic pituitary tumor cells (rats)
 R01EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
 ** R01GM-20326-01 Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast)
 R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 M01HV-92050-10 Develop models of advanced aortic atherosclerosis (miniature swine)
 R01NS-04615-11 Fluid barriers within the cochlea (guinea pigs)
 M01RR-00056-13 0066 General Clinical Research Center - Treatment of hyperthyroidism (human)
 P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 ** M01RR-00628-04 0066 General clinical research center for children - Hyperthyroidism-Therapy with single daily doses of propylthiouracil
THIORIDAZINE
 SEE PHENOTHIAZINES, THIORIDAZINE
THIOSEMICARBAZONES
 SEE AZO COMPOUNDS, THIOSEMICARBAZONES
THIOSTREPTON
 SEE ANTIBIOTICS, THIOSTREPTON
THIOSUGARS
 SEE CARBOHYDRATES, SULFOSUGARS, THIOSUGARS
THIOSULFATE TRANSULFURASE
 SEE TRANSULFURASES, THIOSULFATE TRANSULFURASE
THIOSULFATES
 SEE SULFATES, THIOSULFATES
THIOTEPA
 SEE AZIRIDINE PHOSPHINES, THIOTEPA
THIOTHIXENE
 SEE THIOXANTHINES, THIOTHIXENE
THIOURACIL
 SEE THIOPYRIMIDINES, THIOURACIL
THIOUREA
 R01CA-15785-01 Metabolic activation of chemical carcinogens
 ** P01ES-00049-10 0021 Mode of action and metabolism of organic toxicants - Arylthioureas-Metabolism and mode of action (mice, Drosophila)
 ** P01HL-12738-06 0060 Physiologic pharmacology and its clinical applications - Relationship of lymph flow to extravascular lung water in dogs given anti

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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THIOUREA, AET

SEE ALSO AZO COMPOUNDS, THIOSEMICARBAZONES
 R01CA-14969-02 0005 Radionuclide studies of tumors and growth - Molecular basis of action of cis-dichlorodiamine platinum (mammals nonhuman)
 M01RR-00833-01 0022 General clinical research center - Quantitative expression of HL-A antigen on leukocytes of leukemia patients

THIOUREA, PSEUDOUREA (NSC-56054)

M R01CA-11050-07 Molecular pharmacology of the cell cycle
 R10CA-12286-04 Central oncology group

THIOUREA ANALOGS

P01CA-13038-03 0035 Experimental therapeutics and cancer drug program - Synthesis of substituted urea glycosides

THIOXANTHENES, THIOTHIXENE

R10MH-11468-09 0020 Psychopharmacology research center - Antagonism of antihypertensive effect of guanethidine by neuroleptic drugs (rats)
 R01MH-15755-05 Chlorpromazine and brain catecholamine synthesis (rats, mice)
 R01MH-16128-06 Early clinical drug evaluation unit

THIOXANTHONES

** N01ES-42161-00 Teratology of thioxanthone derivatives (mice)

THIOXANTHONES, HYCANTHONE

P01CA-10893-06 0010 Cancer Research Center - Pharmacokinetics metabolism of anticancer agents (rats, human)
 R01CA-12933-03 Histone metabolism in neoplastic tissues (mice, rats)
 R01CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
 P01GM-16492-06 0003 Design of chemotherapeutic agents - Development of hycanthone resistance in Schistosoma mansoni (mice)

THIOXANTHONES, LUCANTHONE

** P02CA-11602-05 0004 Research and clinical radiation center - Use of lucanthone in cell cycle analysis
 R01CA-13161-02 Effects of carcinostatic compounds on RNA synthesis (mice)
 R01CA-13190-02 Human tumor-specific immunity
 P01CA-13330-03 0006 Cancer research program - Radiotherapy of cancer patients
 ** P01CA-13330-03 0012 Cancer research program - Combined irradiation and lucanthone therapy (human)

THIRST

SEE NUTRIENT INTAKE ACTIVITY, THIRST

THIRST INDUCING AGENTS

SEE NUTRIENT INTAKE ACTIVITY, THIRST, DIPOGENIC AGENTS

THOMSEN DISEASE

SEE METABOLIC DISORDERS INBORN, MYOTONIA CONGENITA

THORACIC DUCT

SEE BLOOD AND RE SYSTEM, LYMPHATIC CIRCULATION, THORACIC DUCT

THORACIC PRESSURE

SEE BODY CAVITY PRESSURE, THORACIC

THORACIC SURGERY

SEE SURGERY, THORACIC

THORAX

SEE BODY REGIONS, THORAX

THORIUM (COMPOUNDS)

SEE RADIOISOTOPES, ACTINIDE SERIES, THORIUM (COMPOUNDS)

THORIUM OXIDES

SEE RADIOISOTOPES, ACTINIDE SERIES, THORIUM OXIDES

THOROTRAST

SEE RADIOISOTOPES, ACTINIDE SERIES, THORIUM OXIDES

THREONINE

SEE AMINO ACIDS, THREONINE

L-THREONINE ALDOLASES

SEE ALDOLASES, L-THREONINE ALDOLASES

THREONINE DEAMINASE

SEE DEHYDRATASES, THREONINE HYDROLYASE DEAMINATING

THREONINE HYDROLYASE DEAMINATING

SEE DEHYDRATASES, THREONINE HYDROLYASE DEAMINATING

THRESHOLDS, SENSORY

SEE SENSORY THRESHOLDS

THROAT

SEE ORAL-PHARYNGEAL, PHARYNX

THROAT NEOPLASMS

SEE ORAL-PHARYNGEAL NEOPLASMS, PHARYNGEAL NEOPLASMS

THROMBASE

SEE BLOOD COAGULATION, THROMBIN

THROMBASTHENIN

SEE BLOOD COAGULATION, THROMBOSTHENIN

THROMBIC INDEX

SEE BLOOD COAGULATION TESTS, THROMBIC INDEX*

THROMBIN

SEE BLOOD COAGULATION, THROMBIN

THROMBOANGITIS OBLITERANS

SEE CARDIOVASCULAR DISORDERS, THROMBOANGITIS OBLITERANS

THROMBOCYTES

SEE BLOOD PLATELETS

THROMBOCYTHEMIA, HEMORRHAGIC

SEE BLOOD PLATELETS DISORDERS, THROMBOCYTHEMIA, HEMORRHAGIC

THROMBOCYTOPATHY

SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOCYTOPENIA

SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPENIA

THROMBOCYTOPENIC PURPURA

SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPENIC PURPURA

THROMBOCYTOSIS

SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOSIS

THROMBOEMBOLISM

SEE CARDIOVASCULAR DISORDERS, EMBOLISM, THROMBOEMBOLISM

THROMBOGENIC FACTOR, CANCER

SEE NEOPLASMS VASCULAR SUPPLY, CANCER THROMBOGENIC FACTOR

THROMBOLYSIS

SEE BLOOD COAGULATION, FIBRINOLYSIS

THROMBOPATHY CONSTITUTIONAL

SEE BLOOD COAGULATION DISORDERS, VON WILLEBRAND'S DISEASE

SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOPHLEBITIS

SEE CARDIOVASCULAR DISORDERS, THROMBOPHLEBITIS

THROMBOPLASTIN

SEE BLOOD COAGULATION, THROMBOPLASTIN

THROMBOPLASTINOGEN A

SEE BLOOD COAGULATION, FACTOR VIII

THROMBOPLASTINOGEN

SEE BLOOD COAGULATION, FACTOR IX

THROMBOPOIESIS INHIBITORS

SEE BLOOD COAGULATION, THROMBOPOIESIS INHIBITORS

THROMBOPOIESIS STIMULATING FACTORS

SEE BLOOD COAGULATION, THROMBOPOIESIS STIMULATING FACTORS

THROMBOSIS

SEE CARDIOVASCULAR DISORDERS, THROMBOSIS

THROMBOSTHENIN

SEE BLOOD COAGULATION, THROMBOSTHENIN

THYMECTOMY

SEE BLOOD AND RE SYSTEM, THYMECTOMY

THYMIDINE

SEE PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE

THYMIDINE FACTOR

SEE GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR)(THYMIDINE FACTOR)

THYMIDINE KINASE

SEE PHOSPHOTRANSFERASES, ATP:THYMIDINE 5'-PHOSPHOTRANSFERASE

THYMIDINE MONOPHOSPHATE

SEE PYRIMIDINE NUCLEOTIDES, THYMINE NUCLEOTIDES, THYMIDINE MONOPHOSPHATE

THYMIDINE:ORTHOPHOSPHATE DEOXYRIBOSYLTRANSFERASE

SEE GLYCOSYLTRANSFERASES, THYMIDINE:ORTHOPHOSPHATE DEOXYRIBOSYLTRANSFERASE

THYMIDINE PHOSPHORYLASE

SEE GLYCOSYLTRANSFERASES, THYMIDINE:ORTHOPHOSPHATE DEOXYRIBOSYLTRANSFERASE

THYMIDINE TRIPHOSPHATE

SEE PYRIMIDINE NUCLEOTIDES, THYMINE NUCLEOTIDES, THYMIDINE TRIPHOSPHATE

THYMIDYLATE KINASE

SEE PHOSPHOTRANSFERASES, ATP:THYMIDYLATE 5'-PHOSPHOTRANSFERASE

THYMIDYLATE SYNTHETASE

SEE TRANSMETHYLASES, THYMIDYLATE SYNTHETASE

THYMIN

SEE BLOOD AND RE SYSTEM, THYMINOSIN

THYMININE

SEE PYRIMIDINES, THYMININE

THYMININE NUCLEOSIDES

SEE PYRIMIDINE NUCLEOSIDES, THYMININE NUCLEOSIDES

THYMININE RIBOSIDE

SEE PYRIMIDINE NUCLEOSIDES, THYMININE NUCLEOSIDES, THYMININE RIBOSIDES

THYMINOSIN

SEE BLOOD AND RE SYSTEM, THYMINOSIN

THYMUS

SEE BLOOD AND RE SYSTEM, THYMUS

THYMUS ALYMPHOPLASIA

SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE

THYMUS DEPENDENT IMMUNE SYSTEM

SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

THYMUS DYSFUNCTION

SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE

THYMUS NEOPLASMS

SEE BLOOD AND RE NEOPLASMS, THYMUS NEOPLASMS

THYMUS TRANSPLANTATION

SEE BLOOD AND RE SYSTEM, THYMUS TRANSPLANTATION

THYROACETIC ACIDS, IODINATED

** R01AM-17332-01 Action and metabolism of thyroid hormones (human, rats)

THYROACETIC ACIDS, IODINATED, TETRAC

M01RR-00032-14 0067 General clinical research center - Action and metabolism of thyroid hormones (human)

THYROCALCITONIN

SEE THYROID HORMONES, (THYRO)CALCITONIN

THYROGLOBULIN

SEE HALOPROTEINS, THYROGLOBULIN

THYROID ACTIVATOR, LATS

SEE ALSO PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN

SEE ALSO THYROID GLAND DISORDERS, GÖTER EKOPHTHALMOGENIC

R01AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)

** R01AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)

** R01AM-06439-12 Metabolism and endocrine function in the thyroid (rats)

R01AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)

** R01AM-07642-11 Long acting thyroid stimulator (human)

R01AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)

R01AM-16155-03 Thyroid gland physiology in health and disease (human)

R01AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks

** R01AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)

** R01AM-17251-01 Graves' disease (human)

R01AM-17538-10 Mucopolysaccharide metabolism in exophthalmos (human)

** R01AM-17561-02 Circulating inhibitor of LATS (human, rabbits, mice, dogs)

** P01GM-15253-08 0038 Genetics in medicine-Gene action in man - Immunoclinical studies in autoimmunity in chromosomal syndromes

M01RR-00079-12 0086 General clinical research center - Evaluation of TSH secretion in children

** M01RR-00079-12 0095 General clinical research center - Evaluation of pituitary function with thyroid releasing factor (human)

** M01RR-00425-06 0060 General clinical research center - Role of LATS in pathogenesis of Grave's disease

** M01RR-00865-01 0015 General clinical research center - Human thyroidal response to LATS infusion

THYROID ANTAGONISTS

SEE ALSO CYCLIC AMINO ACIDS, TYROSINE ANALOGS

SEE ALSO THYROID HORMONES, THYROXINE ANALOGS

SEE ALSO THYRONINE ANALOGS

R01AM-01447-19 Neuroendocrine and thyroid physiology (rats)

R01AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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RO1AM-03612-15 Thyroid function and iodine metabolism (rats, human)
 RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
 ** RO1AM-11685-07 Biologically oriented organic sulfur chemistry
 ** RO1AM-13916-04 Pharmacology and biochemistry of the thyroid (human)
 RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)
 RO1AM-14283-05 Physiological role of thyroxine binding proteins (human, rats)
 RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
 RO1AM-15811-03 Thyroglobulin proteolysis and thyroid hormone release (human, rats)
 ** RO1AM-16214-14 Metabolism and analysis of goiter-inducing iodides (wood plant)
 RO1AM-16417-01 Stereochemistry of thyroid hormones and analogues
 ** RO1AM-16497-02 0009 Normal and disordered thyroid hormone economy - Interaction of iodine with antithyroid agents (rats)
 RO1AM-16497-02 0013 Normal and disordered thyroid hormone economy - Thyroxine release in thyroidal suppression and influence of increased TBG (human)
 ** RO1AM-16497-02 0024 Normal and disordered thyroid hormone economy - Natural history of the toxic diffuse goiter in graves' disease (human)
 RO1AM-16731-02 Hormonal action in amphibian skin (newts)
 P17AM-17026-01 0027 Vanderbilt University Diabetes-Endocrinology Center - Nutrient dynamics in genetically obese rodents (rats, mice)
 RO1AM-17251-01 Graves' disease (human)
 RO1AM-17310-01 Thyroglobulin mRNA-isolation and characterization (rats, human)
 ** NO1AM-42208-00 Isolation of substance produced by bacteria with antithyroid activity
 RO1CA-14758-01 The ultimobranchial body and thyroid tumors (rats, birds)
 MO1RR-00054-13 0072 General clinical research center - Thyrotoxicosis (human)
 ** MO1RR-00056-13 0066 General Clinical Research Center - Treatment of hyperthyroidism (human)
 MO1RR-00107-11 0057 General clinical research center - Thyrotropin and thyroid physiology (human)
 MO1RR-00125-11 0144 General clinical research center-adult-child - Failure of methimazole to control hyperthyroidism
 P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 ** MO1RR-00400-06 0053 General clinical research center-adult - Prospective study of Graves disease (human)
 MO1RR-00865-01 0007 General clinical research center - Effect of thyrotoxicosis on insulin secretion (human)
 MO1RR-00865-01 0016 General clinical research center - Pathogenesis of hyperthyroidism in Graves disease (human)

THYROID FUNCTION

R18AA-00483-03 Evaluation of lithium in chronic alcoholic patients
 ** RO1AM-00008-26 Normal and disordered thyroid states in man (and rats)
 ** RO1AM-01447-19 Neuroendocrine and thyroid physiology (rats)
 ** RO1AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)
 ** RO1AM-03612-15 Thyroid function and iodine metabolism (rats, human)
 P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
 ** RO1AM-05645-13 Thyroid function (rats)
 ** RO1AM-06439-12 Metabolism and endocrine function in the thyroid (rats)
 ** RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
 P01AM-09001-10 0037 Biochemistry and immunology of blood diseases - The effects of cyanate in rabbits
 RO1AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
 RO1AM-10733-08 Control of phospholipid metabolism (dogs, rats)
 ** RO1AM-10948-05 Endocrine regulation of muscle growth (chickens)
 RO1AM-10992-09 Enzymatic mechanisms of thyroid gland (human, rats)
 RO1AM-11043-08 Thyroglobulin in thyroid disease (human, rabbits)
 ** RO1AM-11727-07 Human thyroid hormone metabolism
 RO1AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
 ** RO1AM-14283-05 Physiological role of thyroxine binding proteins (human, rats)
 RO1AM-14314-05 Physiological significance of triiodothyronine (human, rats, primates)
 ** RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
 RO1AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)

** RO1AM-15810-03 Studies of thyroid hormone metabolism (human)
 RO1AM-16006-03 Nutritional factors and SCN in thyroid development (rats)
 ** RO1AM-16155-03 Thyroid gland physiology in health and disease (human)
 M RO1AM-16497-02 Normal and disordered thyroid hormone economy
 ** RO1AM-16878-01 Regulation of thyroidal metabolism by protein kinase (human)
 RO1AM-17251-01 Graves' disease (human)
 RO1AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
 ** P02CA-12178-04 0012 Radiotherapy-oncology center - Thyroid function after neck irradiation
 P01GM-15253-08 0041 Genetics in medicine-Gene action in man - Families of subjects with chromosomal abnormalities
 ** P11GM-15477-08 0101 Drug metabolism and biochemical pharmacology - Thyroid function of lambs of lithium treated ewes
 P01GM-16437-06 0004 Biomedical engineering program project - Metabolic and renal systems (dogs)
 ** RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
 ** RO1HD-04670-04 Molecular basis of thyroid action in development (rats, fish)
 ** RO1HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 RO1HD-06580-02 Ontogeny of sensitivity to growth hormone (mice)
 ** RO1HD-07181-03 Placental thyrotropins biochemistry and physiology (human)
 P18HL-15997-02 0017 A comprehensive hospital-community sickle cell center - Pituitary function in sickle cell disease (human)
 RO1NS-11137-02 Neurochemical correlates of experimental cretinism (rats)
 ** MO1RR-00044-14 0094 General clinical research center - TSH response of the pituitary to TRH in man
 MO1RR-00060-13 0059 General clinical research center - Radioimmunoassay of triiodothyronine (human)
 ** MO1RR-00064-10 0047 General clinical research center - Thyroid function in chronic uremia and hemodialysis (human)
 ** MO1RR-00076-12 0079 General clinical research center - Evaluation of pituitary, adrenal, thyroid and parathyroid function (human)
 MO1RR-00079-12 0116 General clinical research center - Gamma globulin, thyroid and skin function in lichen myxodermatosus (human)
 ** MO1RR-00096-14 0056 Clinical research center - Effects of prostaglandins on thyroid function (human)
 MO1RR-00107-11 0052 General clinical research center - Effect of obesity on thyroid function (human)
 P06RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 P06RR-00640-03 0002 Nutritionally defined gnotobiotic development and use - Function and metabolism of germ free rodent (and dogs)
 ** MO1RR-00833-01 0011 General clinical research center - Thyroid function (human)

THYROID GLAND

SEE ALSO PITUITARY-THYROID AXIS
 ** RO1AM-02463-16 Investigation of the thyroid and pituitary (human, rats)
 RO1AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
 RO1AM-10558-09 0003 Peptide hormones affecting calcium metabolism - Hypercalcemia prevention (pigs)
 RO1AM-10558-09 0016 Peptide hormones affecting calcium metabolism - TC in long-term iodine deficiency (rats)
 ** RO1AM-10558-09 0019 Peptide hormones affecting calcium metabolism - Stability of thyrocalcitonin in rat thyroid glands
 RO1AM-10699-09 Regulatory mechanisms in metabolism (human, rats, baboons)
 ** RO1AM-12957-06 Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens)
 ** RO1AM-15682-03 Specificity and mechanism of thyroid peroxidase (cattle)
 ** RO1AM-16006-03 Nutritional factors and SCN in thyroid development (rats)
 ** RO1AM-16155-03 Thyroid gland physiology in health and disease (human)
 RO1AM-16497-02 0004 Normal and disordered thyroid hormone economy - Studies with chromium labeled TSH (rats, cattle, human)
 RO1AM-16550-01 Secretion of calcitonin (organ culture)
 RO1AM-17310-01 Thyroglobulin mRNA-isolation and characterization (rats, human)
 RO1AM-17336-01 Mechanism of heat production during cold adaptation (mice)
 RO1AM-17477-01 Biosynthesis of glycoproteins (rodents, cattle)
 RO1CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
 P02CA-08480-09 0003 Childhood cancer research center - Structure and function of lactoperoxidase (rats, mice)

** RO1CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
 ** RO1CA-13540-03 Cancer of the thyroid and its hormonal identity (human, rats)
 RO1GM-10292-12 Studies in fine structure (animals)
 P01GM-15253-08 0038 Genetics in medicine-Gene action in man - Immunoclinical studies in autoimmunity in chromosomal syndromes
 P01GM-15253-08 0039 Genetics in medicine-Gene action in man - Autoimmunity and gonadal dysgenesis
 P01GM-15253-08 0040 Genetics in medicine-Gene action in man - Relationship of immune phenomena to chromosome errors (human, animals)
 P01GM-15253-08 0047 Genetics in medicine-Gene action in man - Autoimmunity, chromosomal abnormalities and aging
 P01GM-17729-04 0002 Diagnostic content and redundancy in radiant images - Extraction of radiant image intelligence
 RO1GM-20115-02 Liquid xenon multi-wire radioisotope camera (human, dogs)
 RO1HD-06600-03 Endocrine-influencing center in the hypothalamus (rats)
 RO1HD-07220-02 Congenital hypothyroidism-Neonatal screening tests (human)
 ** RO1HD-08157-01 Normal and thyroid-induced cerebellar maturation (frogs)
 RO1MH-21934-02 Lithium and aggressive behavior (human)
 RO1NS-07436-07 Neural control of gastrointestinal activity (bats, mice, rabbits)
 ** PO1NS-11642-01 0012 Basic and clinical neuroendocrinology - Tetrahydrocannabinol and hypothalamo-hypophysal-thyroid axis (rats)
 MO1RR-00039-14 0052 General clinical research center - Biological active peptides in animal tissues (monkeys, cattle)
 ** MO1RR-00056-13 0013 General Clinical Research Center - In vivo and in vitro comparison of TSH responses (human)

THYROID GLAND, ULTIMOBRANCHIAL BODY

SEE ALSO THYROID HORMONES, (THYRO)CALCITONIN
 ** RO1AM-12957-06 Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens)
 ** RO1AM-14644-03 Endocrine mechanisms of the ultimobranchial body (frogs)
 RO1AM-16550-01 Secretion of calcitonin (organ culture)
 ** RO1CA-14758-01 The ultimobranchial body and thyroid tumors (rats, birds)

THYROID GLAND DISORDERS

SEE ALSO THYROID NEOPLASMS
 RO1AM-07763-08 Antimicrobial effect of peroxidase in leucocytes (human)
 RO1AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)
 RO1AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
 RO1AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 RO1AM-06865-12 Effects of TSH on thyroid carbohydrate metabolism (dogs)
 RO1AM-07084-13 Hormonal control of sebaceous gland function (human)
 RO1AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
 ** RO1AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)
 RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)
 M RO1AM-16497-02 Normal and disordered thyroid hormone economy
 ** RO1AM-16497-02 0011 Normal and disordered thyroid hormone economy - Assessing T4-binding affinity to TBG (human)
 RO1AM-16497-02 0014 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in heroin addicts
 ** RO1AM-16497-02 0015 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in experimental porphyria (monkeys)
 ** RO1AM-16497-02 0018 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism by peripheral leukocytes (human, Lactobacillus)
 RO1AM-16497-02 0023 Normal and disordered thyroid hormone economy - Tetraiodothyroacetic acid in serum of normal and disease states (human)
 ** RO1AM-16497-02 0027 Normal and disordered thyroid hormone economy - Thyroid hormone economy in molar pregnancy (Japan)
 ** RO1AM-16791-03 TSH as altered in thyroid disease and by estrogens (human, rats)
 P17AM-17042-01 0009 Diabetes endocrinology research center - Insulin effects on the cyclic nucleotide inhibitor and cyclic GMP
 RO1AM-17310-01 Thyroglobulin mRNA-isolation and characterization (rats, human)
 ** RO1AM-17484-01 An evaluation of XRF scanning in thyroid disease (human)
 RO1CA-13186-02 Chemical blockade of iodine-Mammary gland responses (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

ROIEY-00519-05 Normal and diseased extraocular muscle (human, primates)

** PO1GM-15253-08 0038 Genetics in medicine—Gene action in man - Immunoclinical studies in autoimmunity in chromosomal syndromes

PO1GM-19527-03 0002 Human genetics - Cytogenetic and metabolic aspects of sex chromosome abnormalities

RO1HD-00371-20 Hormonal function in growth and development in childhood (human)

** PO1HL-14388-03 0026 Regulation of the circulation in pathological states - Peripheral circulation in thyrotoxic state (animals, human)

PO1HL-14734-03 0013 Hormonal factors in atherosclerosis and hyperlipemia - Androsterone as cholesterol lowering agent (human)

RO1HL-16559-01 Dynamics of lipoprotein structure and atherosclerosis (human)

RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)

PO1NS-03354-13 0002 Neurosensory center - Electromyography and clinical electrophysiology (human)

RO1NS-10448-03 Meniere's disease—Surgery for conservation of hearing (human)

** MO1RR-00035-14 0098 General clinical research centers - Thyroid-pituitary axis (human)

** MO1RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)

** MO1RR-00043-14 0019 General clinical research center - Triiodothyronine secretion rate in diagnosis of thyroid disease (human)

** MO1RR-00043-14 0054 General clinical research center - Alterations in cyclic AMP, a reflection of altered thyroid function (human)

** MO1RR-00043-14 0076 General clinical research center - Human thyroid hormone metabolism

** MO1RR-00053-13 0004 Clinical research center - Secretion and metabolism of cortisol in thyroid disease (human)

** MO1RR-00053-13 0008 Clinical research center - Measurement of 2-hydroxysterone in biological fluids (human)

** MO1RR-00053-13 0010 Clinical research center - Kinetics of estradiol metabolism in man

MO1RR-00053-13 0020 Clinical research center - Episodic production of C19 steroids in pathological conditions (human)

MO1RR-00054-13 0068 General clinical research center - Hypophysiotropic hormones, TRH, LRH in body fluids (human)

** MO1RR-00055-13 0001 General clinical research center - Use of I-125 and I-131 in studies of thyroid disease

** MO1RR-00056-13 0019 General Clinical Research Center - Effect of thyroid stimulation on triiodothyronine metabolism (human)

** MO1RR-00064-10 0011 General clinical research center - Causes of thyroid nodularity in children

MO1RR-00079-12 0095 General clinical research center - Evaluation of pituitary function with thyroid releasing factor (human)

** MO1RR-00084-12 0026 General clinical research center—children - Alterations of thyroid function

MO1RR-00084-12 0040 General clinical research center—children - Studies with thyrotropin releasing hormone

MO1RR-00088-11 0024 General clinical research center - Pathogenesis of nodular goiter (human)

** MO1RR-00096-14 0052 Clinical research center - Assessment of derangements of hypothalamic-pituitary-thyroid axis using TRH

MO1RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)

** MO1RR-00107-11 0057 General clinical research center - Thyrotropin and thyroid physiology (human)

MO1RR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man

** MO1RR-00240-10 0081 General clinical research center—Children - Thyroid dysfunction—Hypothalamic-pituitary-thyroid axis

** MO1RR-00240-10 0082 General clinical research center—Children - Inborn errors of thyroxine synthesis

** MO1RR-00287-08 0053 General clinical research center - Plasma calcitonin and parathyroid in thyroid disorders (human)

MO1RR-00400-06 0038 General clinical research center—adult - Thyrotropin releasing factor on plasma TSH levels (human)

** MO1RR-00628-04 0049 General clinical research center for children - Acetaminophen kinetics in children with thyroid disorders

** MO1RR-00847-01 0007 Clinical research centers - Iodoproteins in thyroid disease (human)

THYROID GLAND DISORDERS, GOITER
SEE ALSO THYROID NEOPLASMS

** RO7AF-10050-14 0005 International center for medical research - Environmental health and other studies (human, fish, mammals)

RO1AM-02463-16 Investigation of the thyroid and pituitary (human, rats)

RO1AM-10558-09 0016 Peptide hormones affecting calcium metabolism - TC in long-term iodine deficiency (rats)

RO1AM-10992-09 Enzymatic mechanisms of thyroid gland (human, rats)

** RO1AM-11043-08 Thyroglobulin in thyroid disease (human, rabbits)

RO1AM-16006-03 Nutritional factors and SCN in thyroid development (rats)

RO1AM-16497-02 0003 Normal and disordered thyroid hormone economy - TSH reserve during and following thyroid therapy (human)

RO1AM-16497-02 0010 Normal and disordered thyroid hormone economy - Effects of iodine in patients with restricted thyroid tissue

RO1AM-16497-02 0018 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism by peripheral leukocytes (human, Lactobacillus)

** RO1AM-16497-02 0026 Normal and disordered thyroid hormone economy - Diurnal variation in TSH secretion and 'iodine leak' in goiter (human)

RO1AM-16497-02 0028 Normal and disordered thyroid hormone economy - Chronic iodide administration in patients with cystic fibrosis

** RO1AM-17266-01 Goiter and retardation in Ecuador and Peru (human)

RO1CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)

RO1CA-14758-01 The ultimobranchial body and thyroid tumors (rats, birds)

** MO1RR-00043-14 0055 General clinical research center - Iodine kinetics in non-toxic goiter (human)

MO1RR-00055-13 0001 General clinical research center - Use of I-125 and I-131 in studies of thyroid disease

MO1RR-00064-10 0047 General clinical research center - Thyroid function in chronic uremia and hemodialysis (human)

** MO1RR-00084-12 0041 General clinical research center—children - Hypothalamic-pituitary regulation in familial goiter

** MO1RR-00088-11 0024 General clinical research center - Pathogenesis of nodular goiter (human)

** MO1RR-00188-10 0006 General clinical research center for children - Familial thyroid disease

** MO1RR-00626-02 0076 General clinical research center - Evaluation of familial goiter

** MO1RR-00749-02 0001 General clinical research center - Congenital goiter (human)

THYROID GLAND DISORDERS, GOITER
EXOPHTHALMOGENIC

SEE ALSO EYE DISORDERS, EXOPHTHALMOS
SEE ALSO THYROID ACTIVATOR, LATS

PO1AM-11313-02 0006 Humoral, cellular and genetic mechanisms in autoimmunity - Correlation of histocompatibility, immune response, and susceptibility (human)

** RO1AM-00008-26 Normal and disordered thyroid states in man (and rats)

RO1AM-02585-16 Iodine metabolism of the thyroid gland (human, cattle, mice, yeast)

** RO1AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)

** RO1AM-07642-11 Long acting thyroid stimulator (human)

RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)

RO1AM-11727-07 Human thyroid hormone metabolism

RO1AM-15811-03 Thyroglobulin proteolysis and thyroid hormone release (human, rats)

RO1AM-16155-03 Thyroid gland physiology in health and disease (human)

** RO1AM-16497-02 0024 Normal and disordered thyroid hormone economy - Natural history of the toxic diffuse goiter in graves' disease (human)

** RO1AM-17251-01 Graves' disease (human)

** RO1AM-17538-10 Mucopolysaccharide metabolism in exophthalmos (human)

RO1AM-17561-02 Circulating inhibitor of LATS (human, rabbits, mice, dogs)

** PO2CA-05838-13 0022 Clinical radiotherapy cancer research center - Orbital radiotherapy for Graves' ophthalmopathy

** PO1GM-15253-08 0019 Genetics in medicine—Gene action in man - Immunologic aberrations

** MO1RR-00043-14 0043 General clinical research center - Effects of 125-I therapy thyrotoxic Graves disease (human)

** MO1RR-00043-14 0076 General clinical research center - Human thyroid hormone metabolism

** MO1RR-00055-13 0033 General clinical research center - Evaluation of I-131 in treatment of Graves disease (human)

MO1RR-00056-13 0013 General Clinical Research Center - In vivo and in vitro comparison of TSH responses (human)

** MO1RR-00070-12 0022 General clinical research center - Radiotherapy for ophthalmopathy of Graves disease (human)

MO1RR-00086-12 0022 General clinical research center—children - Autoimmunity and thyrotoxicosis

MO1RR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man

** MO1RR-00400-06 0053 General clinical research center—adult - Prospective study of Graves disease (human)

** MO1RR-00425-06 0060 General clinical research center - Role of LATS in pathogenesis of Grave's disease

** MO1RR-00425-06 0063 General clinical research center - Response to TSH in Grave's disease (human)

** MO1RR-00645-03 0020 Clinical research center - The thyroid in health and disease (human)

** MO1RR-00833-01 0011 General clinical research center - Thyroid function (human)

** MO1RR-00865-01 0016 General clinical research center - Pathogenesis of hyperthyroidism in Graves disease (human)

THYROID GLAND DISORDERS, HYPERTHYROIDISM
SEE ALSO THYROID GLAND DISORDERS, GOITER
EXOPHTHALMOGENIC

** RO1AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)

RO1AM-06483-11 Biosynthesis and interconversions of fatty acids (rodents, birds)

RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)

RO1AM-12845-04 Studies in androgen metabolism (human, rats)

RO1AM-13916-04 Pharmacology and biochemistry of the thyroid (human)

RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)

RO1AM-14283-05 Physiological role of thyroxine binding proteins (human, rats)

RO1AM-14314-05 Physiological significance of triiodothyronine (human, rats, primates)

RO1AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)

** RO1AM-16497-02 0001 Normal and disordered thyroid hormone economy - Physiological abnormalities in neonatal thyrotoxicosis (rats)

** RO1AM-16497-02 0002 Normal and disordered thyroid hormone economy - Late effects of neonatal treatment with TRH (rats)

** RO1AM-16497-02 0025 Normal and disordered thyroid hormone economy - Peripheral turnover of T4 in adult rats made thyrotoxic during neonatal period

RO1AM-16931-01 Thyroid stimulators and thyroid cyclic nucleotides (animals)

** RO1AM-17251-01 Graves' disease (human)

RO1AM-17561-02 Circulating inhibitor of LATS (human, rabbits, mice, dogs)

** PO1CA-07304-11 0026 Steroid hormone production and metabolism in cancer - Cortisol metabolism (human)

** PO1CA-07304-11 0031 Steroid hormone production and metabolism in cancer - Thyroid status and androgen metabolites (human)

** PO1CA-07304-11 0033 Steroid hormone production and metabolism in cancer - Androsterone sulfate in plasma-thyroid state (human)

PO1CA-07304-11 0047 Steroid hormone production and metabolism in cancer - Thyroid hormones (human, rabbits)

PO1GM-15253-08 0019 Genetics in medicine—Gene action in man - Immunologic aberrations

PO1GM-15253-08 0028 Genetics in medicine—Gene action in man - Thalassemia

P11GM-15559-07 0038 Clinical pharmacology - Drugs and release of pituitary hormones in women

RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)

RO1HD-06060-03 Thyroid function and intelligence (monkeys, rats)

RO1HD-07181-03 Placental thyrotropins biochemistry and physiology (human)

RO1HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)

RO1HD-08313-02 Regulation of anterior pituitary function in rat and man

RO1HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)

RO1HL-13375-05 Cellular potential changes causing cardiac arrhythmias (dogs)

PO1HL-15833-01 0006 Pharmacologic and physiologic basis of cardiac therapy - Mechanism of action of cardiac glycosides (dogs)

RO1HL-16436-01 Role of calcium and thyroxine in heart function (rats)

RO1HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)

RO1HL-16559-01 0002 Dynamics of lipoprotein structure and atherosclerosis (human) - Animal models (green monkey, miniature pigs)

** RO1HL-16942-01 Hyperthyroidism and lung structure and function (rats, rabbits)

RO1MH-16733-06 Developmental neuropsychology (rats)

RO1NS-04555-11 influence of thyroxin upon neurons (frogs, rats)

PO1NS-09889-04 0003 Investigation of agents which damage the ear - Quantitative analysis of ototoxic insults to ear (guinea pig)

RO1NS-10417-02 Basic causes of nerve-muscle excitability dysfunction (human, rats, mice)

RO1NS-11137-02 Neurochemical correlates of experimental cretinism (rats)

RO1NS-11619-01 Respiratory energy metabolism in brain explants (rats)

** MO1RR-00031-14 0047 General clinical research center - Pituitary-adrenal axis—Aldosterone secretion in hyperthyroidism (human)

MO1RR-00032-14 0067 General clinical research center - Action and metabolism of thyroid hormones (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

MO1RR-00043-14 0049 General clinical research center - Thyroid hormone equivalent activity study (human)
 MO1RR-00047-14 0106 General clinical research center - Influence of drugs and hormones and metabolism in children
 ** MO1RR-00049-13 0049 General clinical research center - Hydrogen ion excretion in hyperthyroidism and other hypercalcemic states (human)
 ** MO1RR-00053-13 0044 Clinical research center - Kinetics of cortisol-cortisone interconversion in hyperthyroidism (human)
 ** MO1RR-00054-13 0072 General clinical research center - Thyrotoxicosis (human)
 MO1RR-00055-13 0001 General clinical research center - Use of I-125 and I-131 in studies of thyroid disease
 ** MO1RR-00055-13 0078 General clinical research center - Use of cortisone and imuran for exophthalmos, myxedema and hyperthyroidism (human)
 ** MO1RR-00056-13 0066 General Clinical Research Center - Treatment of hyperthyroidism (human)
 ** MO1RR-00059-13 0055 General clinical research center - Effects of propranolol, methylopa and placebo in thyrotoxic patients
 ** MO1RR-00059-13 0165 General clinical research center - Effect of hypo- and hyperthyroidism on dipyrone metabolism (human)
 ** MO1RR-00060-13 0024 General clinical research center - Evaluation of propranolol in hyperthyroid man
 ** MO1RR-00065-12 0042 General clinical research center - Hypercalcemia and cyclic AMP excretion in hyperthyroidism (human)
 MO1RR-00069-12 0097 General clinical research center, children - Immunologic derangement in patient with hyperthyroidism, anemia and nephritis
 ** MO1RR-00073-12 0056 General clinical research center - Parathyroid function—Patients with hyperthyroidism and after thyroidectomy
 MO1RR-00079-12 0056 General clinical research center - Secretion and disposition of pituitary growth hormone (human)
 ** MO1RR-00086-12 0022 General clinical research center—children - Autoimmunity and thyrotoxicosis
 MO1RR-00107-11 0022 General clinical research center - Phosphorus feeding in hypercalcemia (human)
 ** MO1RR-00125-11 0144 General clinical research center—adult-child - Failure of methimazole to control hyperthyroidism
 MO1RR-00211-10 0031 General clinical research center - Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man
 MO1RR-00287-08 0053 General clinical research center - Plasma calcitonin and parathyroid in thyroid disorders (human)
 MO1RR-00425-06 0060 General clinical research center - Role of LATS in pathogenesis of Grave's disease
 MO1RR-00425-06 0063 General clinical research center - Response to TSH in Grave's disease (human)
 ** MO1RR-00626-02 0077 General clinical research center - Metabolic effects of propranolol in thyrotoxicosis (human)
 ** MO1RR-00628-04 0060 General clinical research center for children - Hyperthyroidism—Therapy with single daily doses of propylthiouracil
 ** MO1RR-00633-02 0023 General clinical research center - Effects of high cardiac output state on left ventricle function (human)
 ** MO1RR-00645-03 0017 Clinical research center - Effects of hyperthyroidism and myxedema on riboflavin metabolism (human)
 ** MO1RR-00645-03 0018 Clinical research center - Regulation of tyrosine and glutamic acid by thyroid and adrenal hormones (human)
 ** MO1RR-00750-02 0019 General clinical research center - Abnormalities of Ca and bone metabolism in thyrotoxicosis (human)
 ** MO1RR-00827-01 0006 General clinical research center - Effects of thyroid hormone on potassium balance (human)
 ** MO1RR-00828-01 0002 General clinical research center - Effect of propranolol on bone turnover in hyperthyroidism (human)
 ** MO1RR-00833-01 0011 General clinical research center - Thyroid function (human)
 ** MO1RR-00865-01 0007 General clinical research center - Effect of thyrotoxicosis on insulin secretion (human)
 ** MO1RR-00865-01 0016 General clinical research center - Pathogenesis of hyperthyroidism in Graves disease (human)

THYROID GLAND DISORDERS, HYPOTHYROIDISM

PO1AM-09002-28 0014 Metabolic and hereditary disorders - Steroid studies
 ** RO1AM-00008-26 Normal and disordered thyroid states in man (and rats)
 ** PO1AM-05996-13 0019 Biochemistry of connective tissues - Conversion of T4 to T3 by human fibroblasts
 RO1AM-06670-11 Triglyceride transport in hyperlipemia and diabetes (human, rats)
 RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
 RO1AM-10948-05 Endocrine regulation of muscle growth (chickens)
 RO1AM-11727-07 Human thyroid hormone metabolism
 RO1AM-12845-04 Studies in androgen metabolism (human, rats)

PO2AM-13430-05 0001 Research and heredity clinic - Hemolytic anemias (human)
 RO1AM-13601-03 Na-K-ATPase and renal tubular transport of sodium (rats, dogs)
 RO1AM-14283-05 Physiological role of thyroxine binding proteins (human, rats)
 RO1AM-14314-05 Physiological significance of triiodothyronine (human, rats, primates)
 ** RO1AM-14614-03 Biochemistry of acid mucopolysaccharides (rats)
 RO1AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)
 ** RO1AM-15980-02 0003 Hemodynamic factors in fractures and bone disease - Bone blood flow in altered states of remodeling (dogs)
 ** RO1AM-16409-01 Intraronal heterogeneities in short-nephron disorder (human, rats, dogs)
 ** RO1AM-16497-02 0003 Normal and disordered thyroid hormone economy - TSH reserve during and following thyroid therapy (human)
 ** RO1AM-16497-02 0019 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in man
 RO1AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks
 RO1AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
 PI7AM-17702-01 0001 Hepatitis cirrhosis center - Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey)
 ** PO1CA-07304-11 0031 Steroid hormone production and metabolism in cancer - Thyroid status and androgen metabolites (human)
 PO1HD-04024-06 0004 Mental retardation research center - Developmental biochemistry (human, rodents)
 ** PO1HD-05615-04 0004 Developmental biology in mental retardation - Hypoxia and hypothyroidism in neuropil differentiation (mice)
 RO1HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
 RO1HD-08313-02 Regulation of anterior pituitary function in rat and man
 RO1HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
 RO1HL-06221-13 0001 Composition and structure of plasma lipoproteins - Characterization of apolipoproteins and lipoproteins (human)
 PO1HL-14985-03 0004 Adaptation to hypoxia - Control of breathing (human, dogs)
 RO1HL-16559-01 0001 Dynamics of lipoprotein structure and atherosclerosis (human) - Lipoproteins (human, monkeys)
 RO1HL-16559-01 0002 Dynamics of lipoprotein structure and atherosclerosis (human) - Animal models (green monkey, miniature pigs)
 RO1HM-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 RO1HS-04555-11 Influence of thyroxin upon neurons (frogs, rats)
 RO1NS-05572-10 0002 Ultrastructural basis of neuropsychiatric disease - Neuropathology of the neonatal rat
 RO1NS-08741-04 Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats)
 RO1NS-10741-02 Brain 2-hydroxy fatty acid metabolism and myelination (rats)
 PO1NS-10920-02 0007 Development and regeneration in the nervous system - Neurons whose terminals form the synaptic strata in developing cortex (dogs, ham)
 MO1RR-00032-14 0067 General clinical research center - Action and metabolism of thyroid hormones (human)
 MO1RR-00043-14 0049 General clinical research center - Thyroid hormone equivalent activity study (human)
 MO1RR-00044-14 0007 General clinical research center - Disturbed growth and development (human)
 MO1RR-00047-14 0106 General clinical research center - Influence of drugs and hormones and metabolism in children
 MO1RR-00053-13 0069 Clinical research center - Metabolism of adrenal and gonadal steroids—Androgens (human)
 MO1RR-00055-13 0001 General clinical research center - Use of I-125 and I-131 in studies of thyroid disease
 ** MO1RR-00055-13 0115 General clinical research center - Suppression of thyrotropin by L-dopa in hypothyroidism (monkeys, rats)
 ** MO1RR-00059-13 0151 General clinical research center - Effect of hypothyroidism on atropine induced tachycardia (human)
 ** MO1RR-00059-13 0165 General clinical research center - Effect of hypo- and hyperthyroidism on dipyrone metabolism (human)
 ** MO1RR-00064-10 0077 General clinical research center - Hypothyroid galactorrhoea (human)
 ** MO1RR-00065-12 0027 General clinical research center - Catecholamine responsiveness to growth hormone deficiency, hypothyroidism (human)
 MO1RR-00069-12 0023 General clinical research center, children - Nycthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma

MO1RR-00069-12 0093 General clinical research center, children - Assessing growth hormone, free-fatty acid feedback loop
 MO1RR-00071-11 0054 General clinical research center - Clinical studies of biliary lipids (human)
 ** MO1RR-00095-14 0066 General clinical research center - Temperature changes in TSH suppressibility in hypothyroidism (human)
 ** MO1RR-00188-10 0074 General clinical research center for children - Strabismus in hypothyroidism
 MO1RR-00261-09 0048 General clinical research center - Renin-aldosterone responsiveness to abnormal volume regulation (human)
 MO1RR-00305-08 0033 Clinical research center for children - TSH and GH secretion during therapy in hyposeomatotropic dwarfism
 ** MO1RR-00645-03 0017 Clinical research center - Effects of hyperthyroidism and myxedema on riboflavin metabolism (human)
 MO1RR-00749-02 0001 General clinical research center - Congenital goiter (human)
 MO1RR-00833-01 0011 General clinical research center - Thyroid function (human)
 MO1RR-00865-01 0008 General clinical research center - Thyroglobulin turnover studies in man
 MO1RR-00865-01 0016 General clinical research center - Pathogenesis of hyperthyroidism in Graves disease (human)
 ** MO1RR-00865-01 0018 General clinical research center - Relationship of growth hormone administration to thyroidal function (human)

THYROID GLAND DISORDERS, HYPOTHYROIDISM, CRETINISM

RO1AM-10992-09 Enzymatic mechanisms of thyroid gland (human, rats)
 RO1AM-16006-03 Nutritional factors and SCN in thyroid development (rats)
 RO1AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
 RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
 ** RO1HD-07340-01 Membranogenesis in cretinism and hyperthyroidism
 ** PO1NS-07512-06 0031 Neuronal development, interaction and organization - Developmental alterations in brains of cretinoid rats
 ** RO1NS-11137-02 Neurochemical correlates of experimental cretinism (rats)
 RO1NS-11670-01 Developmental regulation of brain steroid synthesis
 ** MO1RR-00062-12 0004 Clinical research center, children - Enzymatic defects in thyroxine synthesis
 PO6RR-00167-14 Operation of the Wisconsin Regional Primate Research Center (and rats)
 MO1RR-00287-08 0053 General clinical research center - Plasma calcitonin and parathyroid in thyroid disorders (human)

THYROID GLAND DISORDERS, HYPOTHYROIDISM, MYXEDEMA

** RO1AM-16497-02 0010 Normal and disordered thyroid hormone economy - Effects of iodine in patients with restricted thyroid tissue
 MO1RR-00030-13 0029 General clinical research center - Bile salt metabolism in human disease
 MO1RR-00053-13 0069 Clinical research center - Metabolism of adrenal and gonadal steroids—Androgens (human)
 ** MO1RR-00055-13 0078 General clinical research center - Use of cortisone and imuran for exophthalmos, myxedema and hyperthyroidism (human)
 ** MO1RR-00827-01 0006 General clinical research center - Effects of thyroid hormone on potassium balance (human)

THYROID GLAND DISORDERS, HYPOTHYROIDISM, FAMILIAL

RO1AM-16932-01 Carbohydrates in thyroglobulin in thyroid tumor (human)
 PO1GM-15253-08 0040 Genetics in medicine—Gene action in man - Relationship of immune phenomena to chromosome errors (human, animals)
 ** PO1HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 RO1HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 ** RO1HD-07220-02 Congenital hypothyroidism—Neonatal screening tests (human)
 ** RO1NS-10118-03 Biochemistry of CNS development of thyroid insufficiency (rats)
 ** MO1RR-00062-12 0004 Clinical research center, children - Enzymatic defects in thyroxine synthesis
 ** MO1RR-00064-10 0041 General clinical research center - Familial goitrous hypothyroidism (human)
 MO1RR-00084-12 0015 General clinical research center—children - Developmental immunology
 ** MO1RR-00084-12 0041 General clinical research center—children - Hypothalamic-pituitary regulation in familial goiter
 ** MO1RR-00188-10 0006 General clinical research center for children - Familial thyroid disease

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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(cont'd)

M01RR-00240-10 0082 General clinical research center - Children 2 Inborn errors of thyroxine synthesis
 M01RR-00628-04 0007 General clinical research center for children - Neuroendocrine aspects of sleep in dwarfism

THYROID GLAND DISORDERS, THYROIDITIS

P01AI-07007-09 0004 Immunopathologic studies - Induction of immunity, immunological unresponsiveness and autoimmunity
 P01AI-11313-02 0005 Humoral, cellular and genetic mechanisms in autoimmunity - Histocompatibility-linked immune response genes in man
 ** P01AI-11313-02 0006 Humoral, cellular and genetic mechanisms in autoimmunity - Correlation of histocompatibility, immune response, and susceptibility (human)
 P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
 R01AM-07642-11 Long acting thyroid stimulator (human)
 ** R01AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks
 R01AM-17251-01 Graves' disease (human)
 R01CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)
 ** P01CA-02357-20 0015 Autoimmune responses to normal and malignant tissues - Spontaneous autoimmune thyroiditis in OS chickens
 R01CA-13112-03 Virus alterations of the immune response (mice, guinea pigs)
 ** M01RR-00056-13 0067 General Clinical Research Center - Subacute thyroiditis (human)
 M01RR-00287-08 0053 General clinical research center - Plasma calcitonin and parathyroid in thyroid disorders (human)
 P06RR-00463-06 Laboratory animal resource for biomedical research (mice, guinea pigs)
 ** M01RR-00628-04 0069 General clinical research center for children - Thyroiditis study
 M01RR-00833-01 0011 General clinical research center - Thyroid function (human)

THYROID GLAND DISORDERS, THYROIDITIS ALLERGIC

SEE ALSO THYROID GLAND DISORDERS, THYROIDITIS LYMPHOMATOUS
 R01NS-08952-06 0002 EM cytopathology of organized CNS and PNS cultures - Cellular factors (human, rabbits, mice)
 ** R01NS-11457-02 Pathogenesis of CNS autoimmune disorders (human, mice)

THYROID GLAND DISORDERS, THYROIDITIS LYMPHOMATOUS

R01AI-01564-17 The pathogenesis of fever (rabbits)
 R01AM-17251-01 Graves' disease (human)
 P01GM-15253-08 0019 Genetics in medicine-Gene action in man - Immunologic aberrations
 P01GM-15253-08 0044 Genetics in medicine-Gene action in man - Chromosomal abnormalities in autoimmune diseases (monkeys, human)
 M01RR-00086-12 0022 General clinical research center - children - Autoimmunity and thyrotoxicosis
 ** M01RR-00199-10 0052 General clinical research center for children - Carbohydrate homeostasis in Hashimoto's thyroiditis

THYROID HORMONES

SEE ALSO HALOPROTEINS, THYROGLOBULIN
 SEE ALSO THYROACETIC ACIDS, IODINATED
 SEE ALSO THYRONINE, TRIIODOTHYRONINE
 R01AM-00008-26 Normal and disordered thyroid states in man (and rats)
 ** R01AM-00432-24 Hypothalamic-hypophysial-thyroid interaction (rats)
 R01AM-02019-17 Mechanism of bile pigment excretion (human, rats)
 R01AM-03612-15 Thyroid function and iodine metabolism (rats, human)
 ** R01AM-03709-14 Actions of hormones on amino acid transport systems (rat brain)
 R01AM-05344-13 Transport of thyroid hormones (human, animals)
 ** R01AM-05475-13 Action of hormones and cyclic nucleotides (rats)
 R01AM-05645-13 Thyroid function (rats)
 R01AM-06164-12 Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats)
 R01AM-06749-10 Cholesterol metabolism in the intact animal (baboons)
 ** P01AM-09650-10 0011 Hormonal and ionic control of metabolism - Mineral metabolism diseases and their treatment with ions and hormones (human)
 R22AM-09980-09 0008 Infantile diarrhea and malnutrition (Peru, Baltimore) - Hormonal adaptation (human)
 R01AM-10254-09 Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks)
 ** R01AM-12395-08 Protein modification by mammalian enzyme systems (bacteria, rats, rabbits)
 ** R01AM-13377-07 Biosynthesis of thyroid hormones (human, mice, guinea pigs)

** R01AM-14039-06 Thyroid stimulating hormones in plasma (human)
 ** R01AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)
 R01AM-15235-04 Mechanism of action of insulin (rats)
 R01AM-15265-04 Hormonal and nutritional regulation of metabolism (rats, human, amphibians)
 R01AM-15304-03 Surgical studies on gallstone formation (monkeys)
 R01AM-15346-03 Development of mineralized tissues (rats)
 R01AM-15463-03 Phosphatase activity and localization in bone cells (mice, rats, human)
 ** R01AM-15484-03 Some actions of thyroid hormone (rats, guinea pigs)
 ** R01AM-15811-03 Thyroglobulin proteolysis and thyroid hormone release (human, rats)
 R01AM-16126-03 Factors controlling expression of erythropoietic sites (bullfrogs)
 R01AM-16151-02 Cyclic AMP in cartilage and synovial cell function (dogs)
 ** R01AM-16417-01 Stereochemistry of thyroid hormones and analogues
 ** R01AM-16497-02 0005 Normal and disordered thyroid hormone economy - Cyclic nucleotide metabolism during thyroidal autoregulation (rats)
 ** R01AM-16497-02 0007 Normal and disordered thyroid hormone economy - Wolff-Chaikoff effect and iodine autoregulation (rats)
 ** R01AM-16497-02 0023 Normal and disordered thyroid hormone economy - Tetraiodothyraetic acid in serum of normal and disease states (human)
 R01AM-16610-01 Sickle cell anemia and hemoglobin synthesis (monkeys)
 ** R01AM-16636-02 Metabolic effects of thyroid hormones in cell culture (cattle, rats)
 ** R01AM-16731-02 Hormonal action in amphibian skin (newts)
 R01AM-17153-01 Mechanisms of bile secretion-Role of sodium transport
 R01AM-17226-01 Growth factor from plerocercoids of *S. mansoni* (also animals)
 R01AM-17266-01 Goiter and retardation in Ecuador and Peru (human)
 R01AM-17299-02 0001 Induction and suppression of urea cycle enzymes - Liver cell culture
 ** R01AM-17458-01 Conformational analysis of thyroid hormone analogs
 ** P17AM-17624-01 0010 Obesity center - Thyroid hormones and beta adrenergic blockade in obesity treatment (human)
 R01AM-17650-01 Factors controlling steroid hormone receptor activity (rats)
 R01AM-17672-01 Regulation of kidney transamidinase activities (rat)
 ** R01AM-18062-01 Thyroglobulin structure and thyroid hormone synthesis (human, sheep)
 R01CA-06734-12 Mechanisms of solute transport in animal cells (rats)
 ** R01CA-12126-03 Regulatory mechanisms in normal and neoplastic cells (rats)
 ** R01CA-13540-03 Cancer of the thyroid and its hormonal identity (human, rats)
 P01CA-14599-01 0024 University of Chicago Cancer Research Center - Hormonal milieu in breast cancer (human)
 R01CA-15775-01 Epigenetic processes in thyroid carcinoma (human, rats)
 R01CA-16955-01 Glycerol transport and metabolism in tumor cells (human)
 ** M01CP-43303-00 Thyroid-active substances and urethane
 ** P01GM-11301-12 0005 Structure, function and biosynthesis of macromolecules - Protein modifying reactions in vitro (mammals)
 R01GM-15847-06 High speed liquid gas chromatography
 R01GM-19123-03 Synthesis of mammalian mitochondrial hemoproteins (rats)
 R01HD-04365-13 Formation and metabolism of steroids in pregnancy (human, animals)
 ** R01HD-04670-04 Molecular basis of thyroid action in development (rats, fish)
 R01HD-06060-03 Thyroid function and intelligence (monkeys, rats)
 ** R01HD-06816-01 Transfer RNA changes induced by thyroid (*Xenopus laevis* embryo)
 R01HD-08630-01 Carbohydrate metabolism (infants, swine, rats)
 R01HL-00119-25 Regulation of cholesterol and phosphatide metabolism (human, rats)
 R01HL-01813-20 Regulation of metabolism by drugs and hormones (rats)
 ** P01HL-06285-14 0202 Cardiovascular-respiratory physiology and biochemistry - Electrophysiology of skeletal and cardiac muscle in thyroid disorders (rats)
 P01HL-06296-14 0005 Human adaptation to environmental and exercise stress - Regulation of ventricular performance (animals)
 R01HL-10897-09 Effects of hormones on cardiac electrogenesis (rabbits, guinea pigs)
 R01HL-13612-04 0011 Human arteriosclerosis - Atherosclerosis-Role of aortic acid mucopolysaccharide (rabbits)

R01HL-13715-04 Myocardial adenyl cyclase (human, rabbits)
 P01HL-14780-02 0023 Mechanisms and treatment of cardiovascular diseases - Cardiovascular actions of the kinin and kinin generating system (human)
 ** P01HL-16137-01 0004 Alveolar biology - Subcellular processes and controls in the surfactant system (animals)
 R01HL-16407-01 Cell biology of the alveolar capillary unit (rats, hamsters)
 R01MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)
 R01MH-17436-05 Psychopharmacology of the lithium ion (human, rats, dogs)
 P01MH-17565-03 0004 Genetics of the XYY phenomena in man - Endocrine investigations (human)
 ** P01NS-07512-06 0027 Neuronal development, interaction and organization - Influence of thyroid hormones on CNS development (frogs)
 ** M01RR-00043-14 0049 General clinical research center - Thyroid hormone equivalent activity study (human)
 M01RR-00046-14 0008 General clinical research center - Growth hormone in pituitary disorders (human)
 ** M01RR-00048-13 0021 Clinical center - Effect of TRH on pituitary-thyroid axis in man
 ** M01RR-00053-13 0043 Clinical research center - Peripheral metabolism of thyroid hormones (human)
 M01RR-00053-13 0073 Clinical research center - Steroid metabolism-Monospicif illness effects and drug effects (human)
 ** M01RR-00056-13 0018 General Clinical Research Center - Kinetics of thyroid hormone metabolism in man
 M01RR-00102-11 0002 General clinical research center - Calcitonin studies (human)
 M01RR-00107-11 0052 General clinical research center - Effect of obesity on thyroid function (human)
 M01RR-00262-09 0008 General clinical research center - Nucleic acid metabolism in surgical patients
 M01RR-00722-02 0037 General Clinical Research Center - Factors that affect the metabolic clearance rate of various hormones (human)

THYROID HORMONES, DEXTROTHYROXINE

R01HL-08888-10 Cooperative study of drugs and coronary heart disease (men)
 R01HL-08891-10 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10233-09 Cooperative study of drugs and coronary heart disease (human)
 R01HL-10353-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10441-09 Cooperative study of drugs and coronary heart disease (men)
 ** R01HL-10444-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10446-09 Cooperative study of drugs and coronary heart disease (men)
 ** R01HL-10515-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10541-09 Cooperative study of drugs and coronary heart disease (men)
 ** R01HL-10696-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10697-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10698-09 Cooperative study of drugs and coronary heart disease (men)
 ** R01HL-10700-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10703-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10705-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10707-09 Cooperative study of drugs and coronary heart disease (men)
 ** R01HL-10709-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-10710-09 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11038-08 Cooperative study of drugs and coronary heart disease (men)
 ** R01HL-11039-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11040-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11063-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11115-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11312-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11322-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11369-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11370-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11372-08 Cooperative study of drugs and coronary heart disease (men)
 R01HL-11373-08 Cooperative study of drugs and coronary heart disease (men)
 ** R01HL-11375-08 Cooperative study of drugs and coronary heart disease (men)

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RO1HL-11376-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11377-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11380-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11458-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11657-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11660-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11661-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11663-08 Cooperative study of drugs and coronary heart disease (men)
 RO1HL-11898-07 Cooperative study of drugs and coronary heart disease
 RO1HL-15382-03 Cooperative study of drugs and coronary heart disease (men)

THYROID HORMONES, (THYRO)CALCITONIN

PO1AH-12450-01 0005 Cyclic nucleotides in immunity - Cyclic nucleotides in homogenous and heterogenous tissues (rabbits, rats)
 RO1AM-00668-20 Calcium and phosphate transport (rats)
 PO1AM-03564-15 0013 Mesenchymal tissues and their diseases - Collagenous structures destruction in rheumatoid arthritis
 RO1AM-04362-13 Mechanisms of bone resorption and accretion in vivo (chickens)
 ** PO2AM-04501-13 0001 Metabolic disease research center - Chemistry of calcitonin (salmon, swine, sheep, human)
 ** PO2AM-04501-13 0004 Metabolic disease research center - Immunoassay of thyrocalcitonin (salmon, sheep, swine, human, dogs)
 PO2AM-04501-13 0006 Metabolic disease research center - Calcitonin treatment of metabolic bone disease (human, salmon)
 PO2AM-04501-13 0007 Metabolic disease research center - Collagen metabolism (human, rats)
 RO1AM-04993-13 Stimulation of bone formation (dogs)
 RO1AM-06205-13 Parathyroid and bone metabolism (rats)
 PO2AM-06908-12 0009 Digestive and hepato-biliary function - Postprandial intraluminal control of pancreatic and gastric functions (human)
 RO1AM-07126-11 Metabolism of human bone
 RO1AM-07867-11 Hormonal regulation of cellular calcium metabolism (human, rats)
 RO1AM-08658-10 Osteoporosis and metabolic bone disorders (human, animals)
 RO1AM-09579-09 Chemistry and localization of protein hormones (human)
 ** PO1AM-09650-10 0015 Hormonal and ionic control of metabolism - Periodicities of endocrine function (human)
 RO1AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
 ** RO1AM-10206-08 Peptide hormones affecting mineral metabolism (human, swine, fish)
 RO1AM-10558-09 0001 Peptide hormones affecting calcium metabolism - Calcium metabolism (rats, pigs)
 RO1AM-10558-09 0002 Peptide hormones affecting calcium metabolism - Gastrin secretion in the pig
 RO1AM-10558-09 0003 Peptide hormones affecting calcium metabolism - Hypercalcemia prevention (pigs)
 ** RO1AM-10558-09 0005 Peptide hormones affecting calcium metabolism - Purification of rat thyrocalcitonin
 RO1AM-10558-09 0006 Peptide hormones affecting calcium metabolism - Experimental nephrocalcinosis (rats)
 ** RO1AM-10558-09 0010 Peptide hormones affecting calcium metabolism - Thyrocalcitonin and cyclic AMP
 ** RO1AM-10558-09 0013 Peptide hormones affecting calcium metabolism - Radioimmunoassay of rat thyrocalcitonin
 ** RO1AM-10558-09 0014 Peptide hormones affecting calcium metabolism - Hypocalcemic response to TC in rats from stress
 RO1AM-10558-09 0016 Peptide hormones affecting calcium metabolism - TC in long-term iodine deficiency (rats)
 RO1AM-10558-09 0017 Peptide hormones affecting calcium metabolism - Beta-adrenergic drugs and calcium metabolism (rats)
 ** RO1AM-10558-09 0019 Peptide hormones affecting calcium metabolism - Stability of thyrocalcitonin in rat thyroid glands
 RO1AM-10558-09 0020 Peptide hormones affecting calcium metabolism - Experimental cardiovascular calcification (rats)
 ** RO1AM-10558-09 0021 Peptide hormones affecting calcium metabolism - Mechanisms of TC release at subcellular level
 RO1AM-10558-09 0023 Peptide hormones affecting calcium metabolism - Discrimination between G-I hormones
 RO1AM-10558-09 0024 Peptide hormones affecting calcium metabolism - Factors in TC secretion during feeding (pigs, rats)
 RO1AM-10558-09 0025 Peptide hormones affecting calcium metabolism - Development of antisera to human TC (chickens, rats)
 ** RO1AM-10558-09 0026 Peptide hormones affecting calcium metabolism - Beta-adrenergic drugs and mechanisms of gastrin and TC secretion
 RO1AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)

RO1AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
 ** RO1AM-11431-07 Calcitonin, its metabolism particularly in man (tissue culture, bat, rat, swine)
 ** RO1AM-11674-08 0002 Bone metabolism in chronic disorders - Studies in Pagets disease (human)
 RO1AM-11674-08 0003 Bone metabolism in chronic disorders - Studies with glucagon (dogs)
 RO1AM-11674-08 0004 Bone metabolism in chronic disorders - Phosphate and bone (rats)
 PO1AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
 ** RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
 RO1AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
 RO1AM-12957-06 Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens)
 ** RO1AM-13587-04 Structure activity of human thyrocalcitonin
 RO1AM-13696-06 0007 Hormones and calcium absorption - Duodenal calcium transport
 RO1AM-14106-04 Growth hormone secretion rates (human, monkeys)
 RO1AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
 RO1AM-14644-03 Endocrine mechanisms of the ultimobranchial body (frogs)
 ** RO1AM-14717-04 Relationship of thyrocalcitonin to bone phosphate (rats, mice)
 ** PO1AM-14881-04 0001 Metabolism and function of fat-soluble vitamins - Metabolism of vitamins D2, D3 and D4 (chicks, rats, monkeys, swine)
 ** PO1AM-14881-04 0008 Metabolism and function of fat-soluble vitamins - Vitamin D and action of parathyroid hormone and calcitonin (rats)
 RO1AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)
 RO1AM-15355-04 Synthesis and function of calcium binding protein (chick embryo)
 ** RO1AM-15462-03 Assay of calcium regulating hormones (human, dogs, sheep, rabbits, guinea pigs)
 ** RO1AM-15888-02 Peptide hormones in calcium and skeletal metabolism
 RO1AM-16502-03 Mineral transport in teeth and soft tissues (rats, mice)
 ** RO1AM-16550-01 Secretion of calcitonin (organ culture)
 RO1AM-16885-01 Calcium homeostasis-Endocrine and comparative aspects (rats, birds)
 RO1AM-16898-02 Electronprobe microanalysis of nephren function (rats)
 RO1AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
 RO1AM-16926-02 Parathyroid hormone and 3',5'-AMP in calcium metabolism
 RO1AM-16943-01 Regulation of hydrogen secretion by Ca and parathyroid (dogs, rats)
 RO1AM-16983-02 Calcium homeostasis-Endocrine aspects (cattle)
 RO1AM-17743-01 Calcium, calcemic hormones and gastrin (rats, swine)
 RO1AM-18063-01 Parathyroid and bone metabolism (rats)
 RO1AM-18072-01 Calcium homeostasis-Endocrine and comparative aspects (quail, rats, chipmunks)
 ** PO2CA-05826-13 0048 Clinical cancer research center - Medical and metabolic studies-effect of calcitonin on hypercalcemia
 PO2CA-05831-13 0002 Cancer clinical research - Family study of medullary carcinoma of the thyroid
 PO2CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)
 RO1CA-08370-09 The importance of bone in hematopoietic marrow function (human, mice)
 ** PO1CA-08748-09 5638 Research program of Sloan-Kettering Institute - Effect of calcitonin on hypercalcemia of cancer patients
 RO1CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
 PO2CA-11911-04 0021 Clinical cancer center - Lung tumor secretion of polypeptide hormones
 PO2CA-12924-03 0031 Tufts cancer research center - Medullary carcinoma of the thyroid
 RO1CA-15332-01 Cancer of the endocrine pancreas (human)
 R10CA-15467-01 Southwest Oncology Group
 PO1DE-01850-11 0034 Fluoride metabolism - Fluoride and calcitonin function (rats)
 P13DE-02668-08 0012 Dental research center - Mineral metabolism (chick embryo, rats)
 P13DE-02668-08 0015 Dental research center - Mineral metabolism (chick embryo, rats)
 PO1DE-02848-06 0014 Biology of connective tissue, bones and teeth - Maternal epigenetic factors which influence craniofacial development (rabbits)
 PO1DE-02848-06 0015 Biology of connective tissue, bones and teeth - Craniofacial bone remodeling and cell differentiation (mice)
 ** PO1DE-02849-06 0012 Mechanism and treatment of periodontal disease - Parathyroid hormone-calcitonin-prostaglandin in periodontal disease (human, dogs)

RO1DE-02963-06 Drug effects on salivary glands, calculus and bones (human, animals)
 RO1DE-03725-02 Inflammation and bone resorption (human)
 RO1GM-19019-11 Bifunctional studies of proteins (human, bacterial)
 ** RO1HD-02756-08 Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens)
 RO1HD-02803-07 Role of cells as depositors of calcium in bone (rats)
 RO1HD-06106-03 Changes in cell type and structure in developing bone (rats)
 RO1HD-06410-03 Placental transport and perinatal disorders (sheep, cows, guinea pigs)
 ** P18HL-15170-03 0020 Comprehensive sickle cell disease center - Calcitonin in expansive bone marrow disease (human)
 RO1NS-06622-09 CNS-endocrine control of temperature and metabolism (baboons, cats)
 MO1RR-00031-14 0062 General clinical research center - Therapy evaluation in chronic skeletal disease (human)
 MO1RR-00036-14 0044 General clinical research center - Pagets disease (human)
 ** MO1RR-00036-14 0104 General clinical research center - Calcitonin treatment of osteogenesis imperfecta (human)
 ** MO1RR-00043-14 0078 General clinical research center - Effects of salmon and human calcitonin in man
 ** MO1RR-00043-14 0084 General clinical research center - Treatment of Pagets disease of bone with human calcitonin (human)
 ** MO1RR-00044-14 0004 General clinical research center - Effect of calcitonin in hypercalcemia (human)
 ** MO1RR-00046-14 0036 General clinical research center - Calcitonin in disorders of calcium and skeletal metabolism (human)
 MO1RR-00051-13 0056 General clinical research center - Regulation of Ca and phosphorus metabolism (human)
 MO1RR-00054-13 0037 General clinical research center - Medullary carcinoma of thyroid (human)
 MO1RR-00056-13 0012 General Clinical Research Center - Pancreatic islet cell tumors (human)
 MO1RR-00062-12 0007 Clinical research center, children - Disorders of calcium and phosphorus metabolism
 MO1RR-00062-12 0026 Clinical research center, children - Idiopathic juvenile osteoporosis
 MO1RR-00069-12 0002 General clinical research center, children - Osteogenesis imperfecta
 MO1RR-00069-12 0024 General clinical research center, children - Pseudohypoparathyroidism
 ** MO1RR-00073-12 0039 General clinical research center - Synthetic salmon calcitonin in Pagets disease (human)
 ** MO1RR-00073-12 0064 General clinical research center - Synthetic salmon calcitonin in hypercalcemia (human)
 ** MO1RR-00080-12 0060 General clinical research center - Effects of calcitonin in hypercalcemia, osteoporosis, and Paget's disease (human)
 ** MO1RR-00095-14 0052 General clinical research center - Treatment Pagets disease with porcine calcitonin (human)
 MO1RR-00096-14 0041 Clinical research center - Effect of growth hormone and calcitonin on osteoporosis and bone disease (human)
 ** MO1RR-00102-11 0002 General clinical research center - Calcitonin studies (human)
 PO6RR-00168-13 New England regional primate research center
 ** MO1RR-00287-08 0053 General clinical research center - Plasma calcitonin and parathyroid in thyroid disorders (human)
 ** MO1RR-00287-08 0064 General clinical research center - Calcitonin, parathyroid hormone and vitamin D in osteopetrosis (human)
 ** MO1RR-00318-08 0011 General clinical research center - Use of thyrocalcitonin in treatment of osteogenesis imperfecta (human)
 ** MO1RR-00318-08 0028 General clinical research center - Calcitonin treatment in demineralizing diseases (human)
 ** MO1RR-00318-08 0059 General clinical research center - Combined use of mithramycin and calcitonin in demineralizing bone disease (human)
 MO1RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)
 ** MO1RR-00585-03 0009 General clinical research center - Therapeutic trials in metabolic bone disease (human)
 ** MO1RR-00585-03 0023 General clinical research center - Combined therapy with calcium and calcitonin in osteoporosis (human)
 PO7RR-00679-02 0002 Biotechnology research in electroprobe analysis - Kidney function (human)
 ** MO1RR-00827-01 0011 General clinical research center - Peptide hormones in calcium and skeletal metabolism (human)
 MO1RR-00865-01 0031 General clinical research center - Idiopathic hypercalcemia (human)
THYROID HORMONES, THYROMEL
 RO1AM-13129-07 Pituitary adipokinetic substances (mammals, human)
 P17AM-17026-01 0022 Vanderbilt University Diabetes-Endocrinology Center - Synthesis and secretion of peptide hormones

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(cont'd)

THYROID HORMONES, THYROXINE

SEE ALSO HALOPROTEINS, THYROXINE BINDING PROTEINS
 PISA1-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
 RO1AM-0008-26 Normal and disordered thyroid states in man (and rats)
 ** RO1AM-01506-17 Effect of thyroxine on mitochondria (rats)
 RO1AM-02767-14 Evaluation of adrenocortical inhibitors (human, dogs)
 RO1AM-05638-14 Thyrotropin assay of body fluids and tissue (rats)
 PO1AM-07462-11 0061 Hormonal regulation of metabolism - Cerebral energy metabolism
 RO1AM-07568-11 Mediators controlling DNA synthesis in liver (rats)
 ** RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)
 RO1AM-08154-10 0002 Genetic control of hemoglobin synthesis - Genetic control of hemoglobin synthesis (hamsters)
 RO1AM-09602-07 Amphibian metamorphosis and L-lysine metabolism (rats, calves, human)
 ** PO1AM-09650-10 0009 Hormonal and ionic control of metabolism - Induction of hormone receptors (frogs, toads)
 RO1AM-09743-09 Kinetics of peritoneal dialysis (dogs)
 RO1AM-10149-09 Hormonal control of lipid metabolism (rats)
 ** RO1AM-10739-09 Thyroxine binding protein and hormone utilization (rats)
 RO1AM-10742-08 Models for enzymic phosphorylation and hydrolysis
 RO1AM-10948-05 Endocrine regulation of muscle growth (chickens)
 RO1AM-11043-08 Thyroglobulin in thyroid disease (human, rabbits)
 RO1AM-11376-13 Plasma hormone-binding proteins and estrogen action (mammals)
 ** RO1AM-11454-08 Serum thyroxine binding and thyroxine turnover (human, rats)
 ** RO1AM-11727-07 Human thyroid hormone metabolism
 RO1AM-12302-07 Parathyroid hormone and calcitonin (human, swine)
 RO1AM-12402-07 Regulation of enzymes in mevalonate synthesis (yeasts, human, rats)
 ** RO1AM-12452-06 Function and degradation of thyroxine (human, rats, primates)
 RO1AM-13745-06 Differentiation of mineralized tissues in vertebrates (fish, frogs)
 ** RO1AM-13916-04 Pharmacology and biochemistry of the thyroid (human)
 RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)
 RO1AM-14283-05 Physiological role of thyroxine binding proteins (human, rats)
 ** RO1AM-14553-04 The role of thyroglobulin in thyroxine biosynthesis
 ** RO1AM-14713-04 Maturation of CNS-pituitary-thyroid function (rats)
 RO1AM-15059-04 Insulin and enzyme turnover in adipose and liver (rats)
 RO1AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)
 RO1AM-15292-01 RNA-iodo proteinaceous complexes of thyroid (mammals)
 RO1AM-15346-03 Development of mineralized tissues (rats)
 RO1AM-15367-03 Degradative mechanisms of collagen in health and disease (amphibian)
 PO1AM-15515-03 0003 Psoriasis biology, psoriasis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
 ** RO1AM-15584-03 Thyroxine-binding proteins in liver cytosol (dogs)
 RO1AM-15682-03 Specificity and mechanism of thyroid peroxidase (cattle)
 ** RO1AM-15778-03 Iodine metabolism and thyroxine biosynthesis (cattle, rats)
 RO1AM-15806-03 Hepatic regulatory mechanisms in diabetes (rats)
 ** RO1AM-15810-03 Studies of thyroid hormone metabolism (human)
 RO1AM-15899-03 Control of bovine serum prolactin concentration (cattle)
 RO1AM-16156-03 Role of liver in the production of sulfation factor (human, rats)
 ** RO1AM-16172-01 The metabolism and action of thyroxine in the pituitary (rat)
 RO1AM-16330-02 Hormonal regulation of leukocyte metabolism (rats, rabbits)
 ** RO1AM-16420-01 Adrenergic pharmacology and thyroxine metabolism (mammals)
 ** RO1AM-16497-02 0001 Normal and disordered thyroid hormone economy - Physiological abnormalities in neonatal thyrotoxicosis (rats)
 ** RO1AM-16497-02 0011 Normal and disordered thyroid hormone economy - Assessing T4-binding affinity to TBG (human)
 ** RO1AM-16497-02 0013 Normal and disordered thyroid hormone economy - Thyroxine release in thyroidal suppression and influence of increased TBG (human)

** RO1AM-16497-02 0014 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism in heroin addicts
 RO1AM-16497-02 0018 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism by peripheral leukocytes (human, Lactobacillus)
 ** RO1AM-16497-02 0019 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in man
 RO1AM-16497-02 0020 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in the rat
 ** RO1AM-16497-02 0021 Normal and disordered thyroid hormone economy - Relation between desiodination of T4 and its action in pituitary tissue (rats)
 ** RO1AM-16497-02 0022 Normal and disordered thyroid hormone economy - Peripheral conversion of T4 to T3 in man
 ** RO1AM-16497-02 0025 Normal and disordered thyroid hormone economy - Peripheral turnover of T4 in adult rats made thyrotoxic during neonatal period
 ** RO1AM-16497-02 0027 Normal and disordered thyroid hormone economy - Thyroid hormone economy in molar pregnancy (Japan)
 ** RO1AM-16636-02 Metabolic effects of thyroid hormones in cell culture (cattle, rats)
 RO1AM-16658-01 Nitrogen pools and turnover in surgical patients
 RO1AM-16684-03 Neural control mechanisms of metabolic functions (human, mice, rats)
 P17AM-17026-01 0027 Vanderbilt University Diabetes-Endocrinology Center - Nutrient dynamics in genetically obese rodents (rats, mice)
 P17AM-17026-01 0046 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of glucose entry into cells
 RO1AM-17326-02 Studies of pituitary hormone secretion and synthesis
 ** RO1AM-17332-01 Action and metabolism of thyroid hormones (human, rats)
 RO1AM-17672-01 Regulation of kidney transaminase activities (rat)
 RO1AM-17779-01 Degradative mechanisms of collagen in health and disease (amphibian, human)
 ** RO1CA-03571-17 Enzyme biosynthesis and regulation-Urea biosynthesis (frogs)
 RO1CA-06734-12 Mechanisms of solute transport in animal cells (rats)
 ** PO1CA-07304-11 0047 Steroid hormone production and metabolism in cancer - Thyroid hormones (human, rabbits)
 RO1CA-10286-06 Hormone dependent urogenital tumors in rodents (mastemys, hamsters)
 PO1CA-12227-04 0011 Core program in carcinogenesis - Methylation and acetylation of nuclear proteins (frogs)
 ** RO1CA-13418-03 Endocrine factors in normal and leukemic leukocytes (human)
 ** MO1CP-33358-01 Hormonal factors on induction of breast tumors (monkeys, rats, human)
 RO1DE-03796-03 Statholith differentiation in Aurelia (jellyfish)
 RO1EY-00461-06 Photo-and biochemical reactions in the visual system (fish)
 RO1EY-01230-01 Physiology of visual pigment (fishes)
 RO1EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
 PO1GM-12847-10 0023 Molecular biology of membrane systems - Mitochondrial control system
 P11GM-15190-08 0016 Center for toxicological research and training - Drug interactions (dogs, human, rats, mice)
 ** P11GM-15477-08 0053 Drug metabolism and biochemical pharmacology - Thyroxin
 P11GM-15759-08 0042 Clinical pharmacology in rheumatic and muscular diseases - Electrophysiological studies of human skeletal muscle and effects of drugs
 ** P11GM-15956-07 0008 Factors affecting the responses to drugs - Bile acid secretion and canalicular bile production (dogs, rabbits, rats)
 ** RO1GM-18577-03 Computer aided studies of humoral system parameters (sheep)
 ** RO1HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)
 ** PO1HD-02274-08 0149 Mental retardation and child development - Molecular structure investigations of thyroid hormones
 RO1HD-03236-06 Metabolism of lipids and calcium during aging (rats)
 RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)
 RO1HD-04364-12 A developmental study of the stress response (rats)
 RO1HD-04532-05 Developmental enzyme formation in mammalian tissues (rats, chickens)
 PO1HD-05874-04 0004 Biochemical regulation of aging processes - Biochemistry of nerve tissue maturation (mice, rats)
 PO1HD-05961-03 0002 Human and mammalian development - Development of mitochondria and their role in embryogenesis (human, rodents)
 RO1HD-06201-03 Lung maturation, hormonal and other influences (human, rats, rabbits)

** RO1HD-06477-03 Effect of thyroxine on tRNA metabolism of the brain (rats)
 RO1HD-06546-03 Etiology of achondroplasia in man and mammals (rabbits)
 RO1HD-06963-09 Properties of smooth muscle (rats)
 RO1HD-07220-02 Congenital hypothyroidism-Neonatal screening tests (human)
 RO1HD-07340-01 Membranogenesis in cretinism and hyperthyroidism
 PO1HD-07495-02 0021 Center for population research, studies in reproductive biology - Nuclear transplantation (amphibians)
 RO1HD-07711-01 Extra-ovarian control of gonadotropin secretion (rats)
 ** RO1HD-07844-02 Cytology of thyroxine-induced strobilation (jelly fish)
 RO1HD-08157-01 Normal and thyroid-induced cerebellar maturation (frogs)
 RO1HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
 RO1HD-08341-01 Pretranscriptional control of development (tadpoles)
 RO1HL-02063-19 Biochemistry and function of lipids and cell membranes (human, rats)
 RO1HL-04219-16 Fatty acid biosynthesis (rats)
 RO1HL-06924-12 Humoral and metabolic aspects of cardiac function (rats, human)
 RO1HL-10503-09 Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits)
 RO1HL-11534-07 Mechanism of cardiac hypertrophy (rats)
 ** RO1HL-11551-07 RNA and protein synthesis in repair of heart injury (mice)
 RO1HL-12647-05 Norepinephrine in vascular tissue
 P17HL-14179-04 0023 Center for the study of lung disease - Fetal lung development and lung surfactant (rabbits, rats, monkeys)
 RO1HL-14301-03 Cardiac metabolism-glycolysis and its control (rats)
 RO1HL-14547-06 Contractile proteins of muscle (cats, swine)
 RO1HL-15266-02 Evaluation and synthesis of lung surfactant (human, animals, rabbits)
 RO1HL-15571-02 Water and electrolytes in health and disease (human, rats, fish)
 ** RO1HL-16436-01 Role of calcium and thyroxine in heart function (rats)
 RO1HL-16514-01 Pulmonary surfactant-Morphology biosynthesis, turnover (rabbits, rats)
 RO1HL-17328-01 Lung growth in vivo and in vitro-Hormonal influences (rats)
 RO1HM-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)
 ** RO1NS-04555-11 Influence of thyroxin upon neurons (frogs, rats)
 RO1NS-10221-02 Biochemical aspects of myelination (rats, mice)
 ** MO1RR-00032-14 0067 General clinical research center - Action and metabolism of thyroid hormones (human)
 MO1RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)
 MO1RR-00043-14 0076 General clinical research center - Human thyroid hormone metabolism
 MO1RR-00048-13 0021 Clinical center - Effect of TRH on pituitary-thyroid axis in man
 MO1RR-00055-13 0001 General clinical research center - Use of I-125 and I-131 in studies of thyroid disease
 ** MO1RR-00055-13 0090 General clinical research center - Turnover rate of thyroxin binding globulin in man
 MO1RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)
 ** MO1RR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man
 ** MO1RR-00240-10 0082 General clinical research center-Children - Inborn errors of thyroxine synthesis
 PO6RR-00640-03 0002 Nutritionally defined gnotobiotic development and use - Function and metabolism of germ free rodent (and dogs)
 MO1RR-00828-01 0006 General clinical research center - Effect of immobilization on hormone secretion Ca excretion and stone formation
 MO1RR-00833-01 0011 General clinical research center - Thyroid function (human)
 MO1RR-00865-01 0009 General clinical research center - Effect of aromatic monamines on serum thyroglobulin (human)
 ** MO1RR-00865-01 0014 General clinical research center - Biological significance of circulating T4 (human)
 MO1RR-00865-01 0015 General clinical research center - Human thyroidal response to LATS infusion
THYROID HORMONES, THYROXINE ANALOGS
 RO1HL-16587-01 Drug effects on coronary atherosclerosis (monkeys)
THYROID NEOPLASMS
 SEE ALSO THYROID GLAND DISORDERS, GOITER
 PO2AM-04501-13 0004 Metabolic disease research center - Immunoassay of thyrocalcitonin (salmon, sheep, swine, human, dogs)

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PO2AM-06908-12 0009 Digestive and hepato-biliary function 2 Postprandial intraluminal control of pancreatic and gastric functions (human)

RO1AM-07642-11 Long acting thyroid stimulator (human)

** RO1AM-10558-09 0015 Peptide hormones affecting calcium metabolism - Pentagastrin test for medullary thyroid carcinoma (human)

RO1AM-11043-08 Thyroglobulin in thyroid disease (human, rabbits)

RO1AM-13587-04 Structure activity of human thyrocalcitonin

RO1AM-13916-04 Pharmacology and biochemistry of the thyroid (human)

RO1AM-15462-03 Assay of calcium regulating hormones (human, dogs, sheep, rabbits, guinea pigs)

RO1AM-15986-03 0007 Cirrhosis, ascites and the hepatic circulation - Humoral similarities of endocrine tumor elaborations (human)

** RO1AM-16932-01 Carbohydrates in thyroglobulin in thyroid tumor (human)

RO1AM-17484-01 An evaluation of XRF scanning in thyroid disease (human)

** RO1CA-01915-21 Isotope studies in growth of thyroid cancer (human, rats)

RO1CA-02599-20 Acute leukemia group B (human)

** PO2CA-05826-13 0045 Clinical cancer research center - Medical and metabolic studies-thyrotropin releasing hormone in thyroid cancer

** PO2CA-05831-13 0002 Cancer clinical research - Family study of medullary carcinoma of the thyroid

PO2CA-05831-13 0004 Cancer clinical research - Hormone producing non-endocrine tumors (human)

RO1CA-11606-05 American Joint Committee

** PO2CA-12924-03 0031 Tufts cancer research center - Medullary carcinoma of the thyroid

** RO1CA-13447-02 Circulating thyroidal proteins in thyroid carcinoma (human)

** RO1CA-13540-03 Cancer of the thyroid and its hormonal identity (human, rats)

** PO1CA-14599-01 0034 University of Chicago Cancer Research Center - Prevention, detection and control of radiation induced thyroid cancer

RO1CA-14955-02 Follow-up study of thorotrast patients

** RO1CA-15775-01 Epigenetic processes in thyroid carcinoma (human, rats)

NO1CP-33216-01 Japan-Hawaii cancer study

NO1CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia

NO1CP-43247-00 Shifts in cancer risks among Norwegian migrants

PIOES-00260-12 0005 Research in the environmental health sciences - Long-term effects of x-ray therapy for ringworm of the scalp (human)

** P1SEY-00493-06 0004 Corneal research clinic - Pheochromocytoma, thyroid carcinoma, multiple mucosal neuroma syndrome (human)

RO1FD-00634-11 Neoplasms in irradiated human populations

** MO1RR-00030-13 0127 General clinical research center - Familial endocrine neoplasia

MO1RR-00034-14 0078 General clinical research center - Sipple syndrome, medullary thyroid Ca, pheochromocytomas (human)

** MO1RR-00034-14 0091 General clinical research center - Inherited medullary carcinoma of the thyroid (human)

** MO1RR-00043-14 0055 General clinical research center - Iodine kinetics in non-toxic goiter (human)

** MO1RR-00043-14 0078 General clinical research center - Effects of salmon and human calcitonin in man

MO1RR-00046-14 0036 General clinical research center - Calcitonin in disorders of calcium and skeletal metabolism (human)

** MO1RR-00047-14 0074 General clinical research center - Iodine depletion for tumor uptake of radioiodine in thyroid carcinoma (human)

** MO1RR-00054-13 0037 General clinical research center - Medullary carcinoma of thyroid (human)

** MO1RR-00055-13 0037 General clinical research center - Immunotherapy of thyroid cancer (human)

** MO1RR-00055-13 0116 General clinical research center - Thyroid carcinoma and radiation (human)

** MO1RR-00096-14 0065 Clinical research center - Thyroid echography (human)

MO1RR-00107-11 0056 General clinical research center - Evaluation of in vivo hormone secretion by endocrine tumors (human)

** MO1RR-00334-08 0042 General clinical research center - Medullary carcinoma of the thyroid (human)

MO1RR-00400-06 0050 General clinical research center - adult - Multiple mucosal neuroma (human)

** MO1RR-00722-02 0041 General Clinical Research Center - Out-patient studies of patients with medullary carcinoma of thyroid gland

** MO1RR-00749-02 0003 General clinical research center - Kindred with pheochromocytoma, thyroid CA, hyperparathyroidism, Cushing's disease

MO1RR-00827-01 0011 General clinical research center - Peptide hormones in calcium and skeletal metabolism (human)

THYROID TRANSPLANTATION

** MO1RR-00865-01 0010 General clinical research center - Circulating thyroglobulin in thyroid carcinoma (human)

THYROIDECTOMY

RO1AI-01876-17 Sparganosis and cestode biology (rodents)

RO1AM-10558-09 0003 Peptide hormones affecting calcium metabolism - Hypercalcaemia prevention (pigs)

RO1AM-10558-09 0006 Peptide hormones affecting calcium metabolism - Experimental nephrocalcinosis (rats)

RO1AM-11029-08 Met synthesis of plasma proteins by perfused liver (rats)

RO1AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)

RO1AM-14717-04 Relationship of thyrocalcitonin to bone phosphate (rats, mice)

PO1AM-15515-03 0003 Psoriasis biology, psoriagenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)

RO1AM-16731-02 Hormonal action in amphibian skin (newts)

RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)

PO1HL-12373-06 0012 Cardiopulmonary physiology and pathophysiology - Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons)

RO1HL-13205-04 Nutrition and exercise in obesity and heart disease (human, mammals)

MO1RR-00054-13 0072 General clinical research center - Thyroidosis (human)

MO1RR-00060-13 0024 General clinical research center - Evaluation of propranolol in hyperthyroid man

** MO1RR-00073-12 0056 General clinical research center - Parathyroid function-Patients with hyperthyroidism and after thyroidectomy

MO1RR-00400-06 0053 General clinical research center - adult - Prospective study of Graves disease (human)

MO1RR-00865-01 0008 General clinical research center - Thyroglobulin turnover studies in man

THYROIDITIS

SEE THYROID GLAND DISORDERS, THYROIDITIS

THYROIDITIS ALLERGIC

SEE THYROID GLAND DISORDERS, THYROIDITIS ALLERGIC

THYROIDITIS LYMPHOMATOUS

SEE THYROID GLAND DISORDERS, THYROIDITIS LYMPHOMATOUS

THYROMEL

SEE THYROID HORMONES, THYROMEL

THYRONINE

SEE ALSO THYROID HORMONES, THYROXINE

** RO1AM-06439-12 Metabolism and endocrine function in the thyroid (rats)

** RO1AM-15051-03 Molecular structure of thyroactive compounds

RO1AM-16417-01 Stereochemistry of thyroid hormones and analogues

** MO1RR-00059-13 0164 General clinical research center - Effects of liothyronine induced hypermetabolism on dipyrone metabolism (human)

MO1RR-00102-11 0002 General clinical research center - Calcitonin studies (human)

THYRONINE, TRIODOTHYRONINE

RO1AM-00008-26 Normal and disordered thyroid states in man (and rats)

RO1AM-01383-18 Enzymatic synthesis of cholesterol and fatty acids (rats, pigeons, tomato)

RO1AM-01447-19 Neuroendocrine and thyroid physiology (rats)

RO1AM-03612-15 Thyroid function and iodine metabolism (rats, human)

RO1AM-04121-14 Pathogenesis of hyperthyroidism (human, mice, rats)

** PO1AM-05996-13 0019 Biochemistry of connective tissues - Conversion of T4 to T3 by human fibroblasts

** RO1AM-06164-12 Hypothalamic thyrotropin-releasing-factor (mice, primates, rats)

** RO1AM-07917-10 Regulation of thyroid function, T4 and T3 kinetics (human, rats)

** RO1AM-10739-09 Thyroxine binding protein and hormone utilization (rats)

RO1AM-10992-09 Enzymatic mechanisms of thyroid gland (human, rats)

RO1AM-11029-08 Net synthesis of plasma proteins by perfused liver (rats)

RO1AM-11043-08 Thyroglobulin in thyroid disease (human, rabbits)

RO1AM-11376-13 Plasma hormone-binding proteins and estrogen action (mammals)

** RO1AM-11454-08 Serum thyroxine binding and thyroxine turnover (human, rats)

** RO1AM-11727-07 Human thyroid hormone metabolism

RO1AM-12598-06 Hemoglobin synthesis during amphibian metamorphosis

RO1AM-13794-04 Neuroendocrine mechanisms regulating ACTH secretion (rats)

RO1AM-13916-04 Pharmacology and biochemistry of the thyroid (human)

RO1AM-14039-06 Thyroid stimulating hormones in plasma (human)

RO1AM-14283-05 Physiological role of thyroxine binding proteins (human, rats)

** RO1AM-14314-05 Physiological significance of triiodothyronine (human, rats, primates)

RO1AM-14997-04 Thyrotropin releasing factor secretion and actions (human, rats)

RO1AM-15070-04 Metabolism of thyroid hormones by cells in tissue culture (human, rats)

** RO1AM-15421-14 Thyroxine-protein interactions (human, rats)

RO1AM-15584-03 Thyroxine-binding proteins in liver cytosol (dogs)

** RO1AM-15810-03 Studies of thyroid hormone metabolism (human)

** RO1AM-16155-03 Thyroid gland physiology in health and disease (human)

RO1AM-16172-01 The metabolism and action of thyroxine in the pituitary (rat)

RO1AM-16497-02 0013 Normal and disordered thyroid hormone economy - Thyroxine release in thyroidal suppression and influence of increased TBG (human)

** RO1AM-16497-02 0016 Normal and disordered thyroid hormone economy - Cellular proteins that bind thyroid hormones (human, rats)

** RO1AM-16497-02 0017 Normal and disordered thyroid hormone economy - Measurement of triiodothyronine by displacement assay (rats, human)

RO1AM-16497-02 0018 Normal and disordered thyroid hormone economy - Thyroid hormone metabolism by peripheral leucocytes (human, Lactobacillus)

RO1AM-16497-02 0019 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in man

RO1AM-16497-02 0020 Normal and disordered thyroid hormone economy - Effects of propylthiouracil on TRH responsiveness in the rat

** RO1AM-16497-02 0022 Normal and disordered thyroid hormone economy - Peripheral conversion of T4 to T3 in man

RO1AM-16497-02 0027 Normal and disordered thyroid hormone economy - Thyroid hormone economy in molar pregnancy (Japan)

** RO1AM-16636-02 Metabolic effects of thyroid hormones in coll culture (cattle, rats)

RO1AM-16918-01 Hereditary autoimmune thyroiditis in obese chicks

** RO1AM-17332-01 Action and metabolism of thyroid hormones (human, rats)

** RO1AM-17447-01 Mechanisms of thyroid hormone action (rats, guinea pigs)

RO1CA-03358-17 Cooperative breast cancer group

RO1CA-03359-17 Cooperative breast cancer group

RO1CA-03360-17 Cooperative breast cancer group

RO1CA-03364-17 Cooperative breast cancer group

RO1CA-03740-16 Cooperative breast cancer group (human)

RO1CA-03764-16 Cooperative breast cancer group

RO1CA-04594-14 Cooperative breast cancer group

PO2CA-05826-13 0045 Clinical cancer research center - Medical and metabolic studies-thyrotropin releasing hormone in thyroid cancer

RO1CA-06663-13 Mechanisms of control of mammalian cell multiplication (rats)

RO1CA-06734-12 Mechanisms of solute transport in animal cells (rats)

** PO1CA-07304-11 0047 Steroid hormone production and metabolism in cancer - Thyroid hormones (human, rabbits)

PO2CA-15145-01 0042 Cancer center support grant - Regulation of growth in normal and neoplastic tissues (human, rats)

RO1CA-15733-01 Mitochondrial polydronylate in neoplasia (rats)

** RO1GM-18577-03 Computer aided studies of humeral system parameters (sheep)

** RO1HD-01236-19 Amphibian development-Thyroid induced metamorphosis (frogs)

** PO1HD-02274-08 0149 Mental retardation and child development - Molecular structure investigations of thyroid hormones

RO1HD-04270-06 Thyroid function in the fetus and newborn (sheep, human)

RO1HD-05761-04 Membrane function in aging and development (rats)

RO1HL-11551-07 RNA and protein synthesis in repair of heart injury (mice)

RO1HL-14301-03 Cardiac metabolism-glycolysis and its control (rats)

RO1HL-16364-01 0001 Regulation of lipid biosynthesis and transport - Hormonal regulation of HMG-CoA reductase (rats)

R10MH-08240-11 Drug-screening program for drug-resistant schizophrenics

RO1MH-16522-06 Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys)

** MO1RR-00032-14 0067 General clinical research center - Action and metabolism of thyroid hormones (human)

MO1RR-00040-14 0027 General clinical research center - Thyrotropin physiology (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** M01RR-00043-14 0019 General clinical research center - Triiodothyronine secretion rate in diagnosis of thyroid disease (human)
- M01RR-00043-14 0076 General clinical research center - Human thyroid hormone metabolism
- M01RR-00048-13 0021 Clinical center - Effect of TRH on pituitary-thyroid axis in man
- ** M01RR-00056-13 0019 General Clinical Research Center - Effect of thyroid stimulation on triiodothyronine metabolism (human)
- ** M01RR-00056-13 0067 General Clinical Research Center - Subacute thyroiditis (human)
- ** M01RR-00060-13 0059 General clinical research center - Radioimmunoassay of triiodothyronine (human)
- M01RR-00096-14 0052 Clinical research center - Assessment of derangements of hypothalamic-pituitary-thyroid axis using TRH
- ** M01RR-00096-14 0053 Clinical research center - T3 response to thyrotropin releasing hormone (human)
- M01RR-00109-11 0001 General clinical research center - Metabolic relationship of obesity and diabetes (human)
- ** M01RR-00133-10 0050 General clinical research center - Secretion and peripheral metabolism of thyroid hormones in man
- M01RR-00833-01 0011 General clinical research center - Thyroid function (human)
- M01RR-00865-01 0009 General clinical research center - Effect of aromatic monamines on serum thyroglobulin (human)
- M01RR-00865-01 0014 General clinical research center - Biological significance of circulating T4 (human)
- M01RR-00865-01 0015 General clinical research center - Human thyroidal response to LATS infusion

THYRONINE ANALOGS

- SEE ALSO THYROID HORMONES, THYROXINE ANALOGS
- ** R01AM-15051-03 Molecular structure of thyroactive compounds
- R01AM-16417-01 Stereochemistry of thyroid hormones and analogues

THYROTOXICOSIS

SEE THYROID GLAND DISORDERS, HYPERTHYROIDISM

THYROTROPIN

SEE PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN

THYROTROPIN INHIBITORS

SEE PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN INHIBITORS

THYROTROPIN RELEASING FACTORS

SEE PITUITARY-DIENCEPHALON HORMONES, THYROTROPIN RELEASING FACTORS

THYROXINE

SEE THYROID HORMONES, THYROXINE

THYROXINE ANALOGS

SEE THYROID HORMONES, THYROXINE ANALOGS

THYROXINE BINDING PROTEINS

SEE HALOPROTEINS, THYROXINE BINDING PROTEINS

TIBIA

SEE SKELETAL SYSTEM, LIMB BONES, TIBIA

TIC DOLOREUX

SEE NEUROUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

TICKS

SEE ARTHROPODS, ARACHNIDS, TICKS*

TILORONE

SEE FLUORENONES, TILORONE

TIME

SEE BIOPERIODICITY (AND FACTORS GOVERNING IT) SEE ENVIRONMENT, CLIMATE, SEASONS

TIME DEPENDENT COMPUTER DATA

SEE COMPUTER, TIME-DEPENDENT COMPUTER DATA

TIME DOMAIN SPECTROSCOPY

SEE OPTICS, INTERFEROMETRY*

TIME PERCEPTION

SEE SENSORY-PERCEPTUAL PROCESSES, TIME PERCEPTION

TIN

SEE METALS, HEAVY METALS, TIN

TINEA

SEE MYCOSES, TINEA

TINNITUS

SEE EAR DISORDERS, HEARING DISORDERS, TINNITUS

TISSUE (GENERAL)

SEE ALSO CONNECTIVE TISSUE (GENERAL)

SEE ALSO HISTOLOGY (GENERAL)*

R01AM-09432-10 Fine structure and localization of cholesterol (mice, rats, human)

P01CA-08748-09 5556 Research program of Sloan-Kettering Institute - Fluorine-18 metabolism in the acutely uremic rat

- P01CA-08748-09 5611 Research program of Sloan-Kettering Institute - Calcium mobilizing materials from nonparathyroid neoplasms (human, cattle)
- P01CA-08748-09 7417 Research program of Sloan-Kettering Institute - Microbiological assay of chemotherapeutic agents
- P01CA-12227-04 0023 Core program in carcinogenesis - Liver and hepatoma isozymes of adenylate kinase (rats rabbits)
- R01CA-12742-03 Lack of control of tRNA methylases in tumor tissue (rabbits)
- P01CA-14193-02 0004 Comparative leukemia studies unit - Natural transmission and distribution of BLV (human, mammals)
- P01CA-15936-01 0002 Specialized Cancer Center - Potato phenylalanine ammonia-lyase antitumor activity (human, mice)
- ** M01CP-33404-01 Blood and tissue specimens from patients with malignancies
- ** M01CP-43260-00 Acquisition of fresh human specimens
- ** M01CP-43344-00 Supply of fresh human materials from neoplastic patients
- ** M01CP-43345-00 Supply of fresh human materials from neoplastic patients
- ** P13DE-02623-08 0025 Center for oral health research - Molecular structure of oral tissues
- P01DE-02847-06 0017 Microbial ecology and its relation to dental disease - Bacterial adherence and tissue predilection of pathogenic bacteria (human)
- R01ES-00412-06 0016 Mechanisms of insecticide resistance - Effect of pesticides on hormone levels and enzyme activity (fish)
- ** P10ES-00928-01 0036 Environmental agents-Relation to human health effects - Inorganic microparticle content of human tissues
- ** R01GM-09933-12 Ultrasonics and dielectrics of biomaterial (plants, cattle, chickens, bacteria)
- ** R01GM-12281-10 Ultrasonic absorption by biological materials (frogs, mice)
- ** R01GM-14659-07 Mechanical properties of tissues (dogs, cats)
- P11GM-15431-08 0006 Research center for clinical pharmacology and drug toxicology - Incorporation of prostaglandin precursors into rat tissue lipids
- P11GM-15956-07 0051 Factors affecting the responses to drugs - Biliary excretion of lead, (rats, rabbits, dogs) copper and arsenic
- P01GM-15991-06 0051 Anesthesia research center - Binding of lidocaine in nerves and other tissues (rabbits)
- R01GM-18719-03 Solvent and small solutes in tissues and proteins
- R01GM-18939-03 Sulfanes in metabolism-Crystalline human rhodanese (also bacteria, animals)
- R01GM-19905-02 Analysis of trace elements in biological systems
- R01GM-20370-02 Noninvasive sensing of subcutaneous temperatures (human, mammals)
- M01HB-32908-02 Toxicology of plastic devices having contact with blood (human, animals)
- R01HD-00420-14 0002 Androgen production and function during development - Non-testicular sources of C-19 steroids in pre-natal development (rodents, human)
- P01HD-05671-03 0042 Center for population research - Copper in tissues from intrauterine copper devices (rats, monkeys, human)
- R01HD-06161-03 Germ cell formation and maturation (rats, tadpoles)
- R01HD-07966-01 Physiological role of prostaglandins
- P01HL-06374-14 0008 Expansion of research in a hematologic center - Erythropoietin inhibitor, cannula and effects carbon monoxide (animal, human)
- P01HL-08214-11 0002 Chemical and biological properties of lipids - Lipids and related components of blood, bile, other tissues (human, mammals)
- ** R01HL-13612-04 0009 Human arteriosclerosis - Cholesterol metabolism-Tissue cholesterol accumulation (rabbits)
- P17HL-14201-04 0024 Pulmonary disease research center - Glucocorticoid effects on fetal lung development
- P17HL-14230-04 0024 Lipids, atherosclerosis and thrombosis - Plasma and carcass cholesterol (primates)
- R01HL-15454-02 Quantification of intrathoracic fluid by impedance
- P01HL-16126-01 0001 Atherosclerosis, coagulation and thrombosis - Initiation sites and mechanisms of blood coagulation (cattle)
- ** P01HL-16126-01 0002 Atherosclerosis, coagulation and thrombosis - Structural studies of tissue factor isozymes (cattle, human)
- ** P01HL-16126-01 0003 Atherosclerosis, coagulation and thrombosis - Clotting factors related to the initiating reactions (cattle, human)
- R01HL-16330-02 Aging-tissue injury and repair
- ** R01INS-09088-04 Stereochemistry of the cholinergic mechanism (guinea pigs, dogs, rats)
- P01INS-11417-01 0011 Core program project in communicative disorders - Neonatal tolerance and antigenic maturation (dogs)
- ** P07RR-00003-13 0053 Medical data processing research - Multiple column chromatography of tissues

TISSUE, EPITHELIUM

SEE ALSO BODY CAVITIES, SEROSA

SEE ALSO CARDIOVASCULAR SYSTEM, ENDOTHELIUM
SEE ALSO MEMBRANE

- ** R22AL-11085-01 Enterotoxic interaction with epithelial cells in vitro
- ** R01AM-02133-17 0037 Clinical studies of ulcerative colitis - Biological properties of intestinal epithelial cells
- P02AM-04501-13 0009 Metabolic disease research center - Vitamin D deficiency and membrane glycoproteins synthesis
- P02AM-04501-13 0023 Metabolic disease research center - Control of protein synthesis by vitamin D
- R01AM-04652-14 Intestinal absorption of mineral ions (chickens)
- ** R01AM-05865-11 Ion transport across biological membranes (frogs)
- P01AM-08305-11 0002 Cystic fibrosis and pulmonary disease - Tissue and organ culture studies (human, rats)
- P01AM-08445-10 0017 Biology of skin of man and other primates - Development of pigment cells in eyes of rhesus monkeys
- R01AM-09280-10 Gastrointestinal absorption in the herbivore (ruminants)
- M R01AM-10045-08 Urothelial microcontour, function and defenses
- ** R01AM-10045-08 0001 Urothelial microcontour, function and defenses - Basic scanning electron microscopic technics (human, dogs, rabbits)
- ** R01AM-10045-08 0002 Urothelial microcontour, function and defenses - Normal urethral and vesical uroepithelial microcontour (dogs)
- ** R01AM-10045-08 0003 Urothelial microcontour, function and defenses - Effect of stretch on urothelial microcontour (dogs)
- R01AM-10045-08 0004 Urothelial microcontour, function and defenses - Microcontour in infected urothelium (dogs)
- R01AM-10045-08 0005 Urothelial microcontour, function and defenses - Bacterial washout and effect on urinary diversion (dogs)
- R01AM-10045-08 0006 Urothelial microcontour, function and defenses - Effect of chemicals and hormones (rats)
- R01AM-10045-08 0007 Urothelial microcontour, function and defenses - Antigen-antibody reactions in female urethra (guinea pigs, dogs)
- R01AM-10332-09 Metabolism of pyrimidine nucleotides in skin (mice)
- R01AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
- R01AM-12028-08 Ion transport across epithelial membranes (frogs, toads, rabbits)
- R01AM-12064-08 Regeneration and basic responses of the nephron (rabbits)
- R01AM-12129-07 0002 Collagenases and collagen remodeling - Collagenase and its relation to neoplasia (rats)
- R01AM-12396-11 EM studies-Transport, secretion and absorption sites (human, rabbits)
- R01AM-12957-06 Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens)
- R01AM-13132-05 Ultrastructural basis of glomerular permeability (rats, mice)
- ** R01AM-13182-06 Active transport in epithelia (frogs, rabbits)
- R01AM-13484-05 Solute water transport across membranes (frogs)
- ** R01AM-13659-04 Transepithelial sodium transport (toad)
- R01AM-13929-04 Normal and psoriatic epidermal cell division (human, rats)
- ** R01AM-14121-05 Metabolic control of epidermal cell growth (human, rabbits)
- R01AM-14348-05 A fine structural study of human gastric epithelia
- ** R01AM-14742-04 Growth regulation in regeneration (newts)
- P01AM-14881-04 0012 Metabolism and function of fat-soluble vitamins - Studies on vitamin A (rats)
- ** R01AM-14993-04 Structure and function in transporting epithelia (squid)
- R01AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
- R01AM-15365-04 Mechanism of sodium-dependent metabolite transport
- R01AM-15460-03 Effect of oxygen on fibrosis formation (human, rats, mollusks)
- P01AM-15515-03 0001 Psoriasis biology, psoriagenesis and lesion control - Mitotic behavior in epidermal system (human, lizards, mice)
- P01AM-15515-03 0002 Psoriasis biology, psoriagenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
- P01AM-15515-03 0003 Psoriasis biology, psoriagenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
- P01AM-15515-03 0008 Psoriasis biology, psoriagenesis and lesion control - Anthralin effects (human, mice)
- P01AM-15515-03 0010 Psoriasis biology, psoriagenesis and lesion control - In vitro screening for drug action (human, mice, lizards)
- R01AM-15534-02 Prostaglandin and calcium interactions on sodium transport (anurans)
- R01AM-15663-03 Basement membrane-Structure, function, pathology (mice)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1AM-15671-04 0025 The biology of skeletal and other connective tissues - Microtubules and calcium transport (rats)
- RO1AM-15732-03 Role of wound epidermis in regeneration (amphibians)
- RO1AM-15758-03 Control of cell proliferation in the intestine (rats)
- RO1AM-15858-03 Compartmental analysis of pancreatic ion secretion (rabbits)
- RO1AM-15901-03 The metabolic activity of thymic hormone (rats)
- RO1AM-15926-02 Ion transport by gastrointestinal epithelia (rabbits, human)
- RO1AM-15973-03 Physiology and morphology of cell transport (human, rats, mice, birds, fish)
- RO1AM-16024-03 Mechanisms of active and passive solute transport (frogs)
- RO1AM-17226-01 Growth factor from plerocercoids of *S. mansoni* (also animals)
- RO1AM-17344-04 Renal ion transport—Fixed-charge membrane model (toads)
- ** RO1AM-17372-01 Regulation of extracellular transepithelial transport
- PO1AM-17433-01 0011 Cardiovascular, metabolic aspects of membrane transport - Potassium and sodium transport in Amphiuma bladder
- ** PO1AM-17433-01 0021 Cardiovascular, metabolic aspects of membrane transport - Structure of epithelium in extracellular shunt of renal tubules (*Nocturus*, rats)
- ** PO1AM-17433-01 0022 Cardiovascular, metabolic aspects of membrane transport - Epithelium structure and renal vascular changes in acute renal failure (rats)
- ** PO1AM-17433-01 0023 Cardiovascular, metabolic aspects of membrane transport - Distal nephron structure after potassium loading and in uremia (rats)
- ** PO1AM-17433-01 0024 Cardiovascular, metabolic aspects of membrane transport - Functional morphology of the urinary bladder (*Amphiuma*)
- ** PO1AM-17433-01 0025 Cardiovascular, metabolic aspects of membrane transport - Renal tubule ultrastructural changes after lithium administration (rats)
- ** PO1AM-17433-01 0026 Cardiovascular, metabolic aspects of membrane transport - Nephron structural changes in decreased total renal mass (rats)
- ** PO1AM-17433-01 0027 Cardiovascular, metabolic aspects of membrane transport - Ultrastructure of medullary interstitial cells and JGA in hypertensive rats
- ** PO1AM-17433-01 0028 Cardiovascular, metabolic aspects of membrane transport - Control of glomerular filtration in the teleost (trout)
- ** RO1AM-17537-02 Functional morphology of the alimentary tract (human, rat, rabbits)
- RO1AM-17631-01 Genetic control of hyperplasia in the endocrine pancreas (mice)
- PO1CA-05388-15 0003 Biology of mammary neoplasia - Developmental and endocrinological studies (human, animals)
- PO1CA-08748-09 7603 Research program of Sloan-Kettering Institute - Autophagic necrosis induced by antitumor agents in intestinal epithelium (mice)
- PO2CA-10438-08 0010 Clinical radiation therapy research center - Cell kinetics (mice, human)
- PO2CA-11051-06 0051 Clinical radiation research center - Radiation pathology—Cell proliferation kinetics (hamsters)
- RO1CA-12104-02 Kinetics of epithelial repair after irradiation (mice)
- RO1CA-12122-02 Vitamin A acid localization in the keratoacanthoma (rabbits)
- ** PO1CA-12376-03 0019 Environmental carcinogenesis - Riboflavin deficiency in epithelial neoplasm (mice)
- RO1CA-13032-03 In vitro system for detection of preinvasive carcinoma (mice)
- RO1CA-13217-03 Langerhans cells in benign and malignant skin diseases (human, guinea pigs)
- R26CA-14136-02 Cytopathology of urinary bladder carcinoma (human)
- RO1CA-14388-02 Chronobiological approach to cancer chemotherapy (mice)
- R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- RO1CA-14874-01 Pulmonary carcinogenesis in fetal and neonatal lung (mice)
- ** R26CA-14908-02 Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman)
- ** R26CA-14926-02 Ultrastructure of normal and neoplastic urothelium (human)
- ** R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
- RO1CA-14991-02 Renewal of pre-malignant and malignant intestinal cells (human, hamsters)
- ** RO1CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
- RO1CA-15276-01 Induction and culture of EGF-dependent skin tumors (mice)
- R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- ** R26CA-15477-02 Establishment of cell cultures of human tumor urothelium
- R26CA-15479-02 LDH isozymes and chromosomes in bladder carcinoma (rats, human)
- R26CA-15640-01 Urinary bladder tumorigenesis (dogs, rabbits, human)
- PO1CA-15823-01 0005 Program in developmental biology of cancer - Lysis of basement membranes in neoplastic tissues (mice)
- R26CA-15972-01 Tissue culture of mammalian urothelium (human)
- RO1CA-16065-01 Chemical carcinogenesis in the colon (mice)
- R26CA-16375-01 Role of bile acids in etiology of large bowel cancer (mammals)
- RO1CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- ** R26CA-16430-01 Carcinoma of the prostate (human)
- ** R26CA-16764-01 Carcinoma of the colon (human)
- R26CA-16765-01 Biochemical mechanisms in experimental bladder cancer (rats, rabbits)
- R26CA-16886-01 National bladder cancer collaborative group A (human)
- ** NO1CB-23874-03 Hormone-mediated differentiation of mouse mammary epithelium
- NO1CB-33908-01 Mammary epithelial cell membrane (mice, rats)
- NO1CM-43730-00 Cancer chemotherapeutic drugs and in-vivo cell population
- NO1CP-43237-00 Normal and malignant tracheobronchial epithelium in humans (hamsters)
- RO1DE-01547-13 Tissue culture and electron microscopy of the gingiva (animals)
- PO1DE-01766-12 0004 Ultrastructure and physiology of oral mucosa - Melanogenesis of oral mucosa and skin (rodents, squid, human, chick)
- ** P13DE-02600-08 0018 Planning of a research center in oral biology - Keratinization of epidermis and oral epithelium
- P13DE-02668-08 0006 Dental research center - Growth mechanisms—Experimental maxillary orthopedics (human)
- RO1DE-02774-07 Tissue interaction in dental development (mice)
- PO1DE-02847-06 0015 Microbial ecology and its relation to dental disease - Surface components of bacteria adhering to teeth and oral epithelia (rats, human)
- PO1DE-02847-06 0016 Microbial ecology and its relation to dental disease - Ability of materials to modify bacterial adherence to oral surfaces (rats, human)
- PO1DE-02848-06 0001 Biology of connective tissue, bones and teeth - Cellular-molecular interactions in odontogenesis (rabbits, chick embryo, mice)
- RO1DE-03368-03 Submandibular gland growth factors and oral tissues (rats, mice)
- RO1DE-03569-02 Intercellular communication during tooth formation (mice)
- ** R23DE-03655-02 Keratinization of normal and altered epithelium
- ** RO1DE-03689-01 Interactions of cells with tooth surfaces
- ** RO1DE-03836-01 Crevicular epithelium transport and periodontal disease (rabbits)
- PO1DE-03841-01 0005 Host response in dental disease - Epithelial permeability and immune responses (human, primates, bacteria)
- R23DE-03854-01 Dental lamina regeneration in salamander jaws
- R23DE-03872-01 Role of mast cell in gingival and periodontal lesions
- R23DE-03875-01 Membrane-coating granules—Isolation and biochemistry
- RO1DE-03897-01 Human secondary palate formation (mice)
- R23DE-03933-01 Epithelial-mesenchymal contacts in cytodifferentiation
- ** RO1DE-03934-01 Differentiation of oral epithelium (rats)
- ** NO1DE-42441-00 Nutrition on the epithelium of oral mucous membranes (primates)
- ** NO1DE-42442-00 Nutrition on the epithelium of oral mucous membranes
- RO1ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
- PO1ES-00842-02 0002 Chronic obstructive lung disease - Ultrastructure and cytochemistry of nitrogen dioxide and ozone exposed rat lungs
- RO1EY-00010-11 Effect of blood and pressure on cultured ocular tissue (human, animals)
- RO1EY-00046-05 Biosynthesis of visual pigment rhodopsin (rats, frogs)
- RO1EY-00048-05 Corneal metabolism (calves, rabbits)
- RO1EY-00095-13 Histophysical and histochemical studies on the eye (frogs)
- RO1EY-00281-10 Wound healing in lens epithelium (frogs)
- PO1EY-00331-08 0002 Retinal morphology, function and clinical characteristics - Morphology and biochemistry (frogs, rats, primates)
- P1SEY-00338-09 0002 A study of macular disease - Idiopathic central serous choriopathy (human)
- RO1EY-00344-07 Ocular hypersensitivity (rabbits)
- PO1EY-00396-07 0015 Basic ophthalmic research program - The physiological reactions of the lens to its environment
- RO1EY-00415-06 Ultrastructural changes in corneal graft reaction (human)
- ** RO1EY-00444-06 Electron microscope autoradiography of ocular tissues (animals)
- PO1EY-00446-06 0007 External ocular disease center - Surface chemical aspects of cornea contact lenses and tears
- RO1EY-00456-06 Fluid and electrolyte transport in the cornea (frogs)
- RO1EY-00461-06 Photo-and biochemical reactions in the visual system (fish)
- RO1EY-00483-07 Intraocular fluid dynamics (rabbits)
- RO1EY-00515-06 Vitamin A and protein synthesis in cornea (rats)
- ** PO1EY-00523-13 0015 Sensory disease clinical research center (eye disorders) - Electron microscopic studies (human, monkeys)
- ** PO1EY-00523-13 0023 Sensory disease clinical research center (eye disorders) - Acute pigment epithelitis (human)
- RO1EY-00541-05 Control of corneal hydration and transparency (rabbits, sheep)
- RO1EY-00545-04 Cytology of retinal differentiation (chickens, mice, amphibians)
- RO1EY-00698-04 Etiology of cataract (frogs, mice)
- ** RO1EY-00715-04 Synthesis and phagocytosis in ocular neuroepithelia (human, cattle)
- RO1EY-00753-02 Biochemical cytology of metabolic eye diseases (rats)
- RO1EY-00776-03 Melanotic differentiation of eye pigment epithelium (chick embryo)
- ** RO1EY-00915-03 Transport processes across the corneal epithelium (human, monkey, rabbits)
- ** RO1EY-00945-03 Biochemical regulation in ocular tissues (rabbits)
- RO1EY-01067-02 Surface chemistry of the cornea (human, rabbits, cattle)
- RO1EY-01103-01 Vascular role in experimental retinopathies (rats)
- RO1EY-01112-02 Thermokeratoplasty (rabbits, human)
- RO1EY-01198-01 Pathogenesis and early diagnosis of eye inflammations (human, animals)
- RO1EY-01311-01 Protein transport in retinal photoreceptors and axons (animals)
- RO1EY-01340-01 Corneal electrophysiology (frogs, rabbits)
- ** RO1EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
- RO1EY-01349-01 Functional anatomy of anterior segment of the eye (monkeys)
- RO1FD-00692-04 Renal pathology in lead poisoning (rats)
- RO1GM-03545-20 Metabolism and active ion transport in frog skin
- PO1GM-06965-15 0073 Basic experimental biology - Distribution of junctions in various tissues
- PO1GM-06965-15 0074 Basic experimental biology - CxN junctions in embryonic tissues
- RO1GM-07557-14 Physiology of insect photoperiodism
- RO1GM-11598-11 Drug effects on salt transport across epithelia (frogs, hamsters)
- ** RO1GM-14772-07 Water transport across epithelial membranes (rabbits)
- ** RO1GM-17945-03 Differentiation of alkaline phosphatase isozymes (mice)
- RO1GM-18267-04 Biosynthesis of specialized cell surfaces (rabbits)
- RO1GM-19289-03 Microfilaments, morphogenesis, and cytodifferentiation
- PO1GM-20130-01 0005 Clinical genetics research center - Amniotic fluid studies (human)
- ** RO1GM-20541-01 Electrostatic properties of epithelia (hydra, toads)
- RO1HD-00143-15 Cytology of growing and differentiating cells (animals)
- ** RO1HD-00391-15 Regulation of enzyme action during development
- PO1HD-01799-09 0010 Mental retardation research center - Optic lens development (mammals)
- NO1HD-02142-04 Ultrastructural studies on the oviduct (rabbits, monkeys)
- ** PO1HD-02147-08 0004 Extruterine growth and development - Intestine (human, mice)
- ** RO1HD-02344-09 Experimental studies on the seminiferous epithelium (rodents)
- ** RO1HD-03490-20 Functional differentiation of small intestine (chickens, rats, mice)
- RO1HD-04152-06 Ultrastructure of the placental junctional zone (human, primates)
- RO1HD-04164-05 Aging of mammary epithelium (mice)
- RO1HD-04290-04 Structure and function of epididymis and vas deferens (rodents)
- RO1HD-04543-04 Pre-fertilization phenomena in hydroids
- RO1HD-04708-05 Mechanisms of organ development (mice, rats, tadpoles, birds)
- RO1HD-04962-04 Mechanisms of implantation of the blastocyst (rats, rabbits)
- RO1HD-05272-03 Ultrastructure of multivesicular cells (mice)
- RO1HD-05641-12 Metabolism of the testis in vitamin E deficiency (rats)
- PO1HD-05969-03 0001 Events that control fertilization - Structure and function of the male duct system (monkeys)
- PO1HD-05969-03 0004 Events that control fertilization - Hormonal regulation of oviduct epithelium (monkeys, hamsters, cats)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-06177-03 Growth and regulation of human limb mesenchyme
 R01HD-06763-03 Extracellular materials and embryonic organ formation (mice)
 R01HD-06895-02 Pathological effects of vasectomy on permeability (rats)
 R01HD-06897-02 Phospholipids in mammalian reproduction (rabbits)
 P01HD-07110-02 0021 Biomedical center for population research - Transplacental transfer of drugs, nutrients and metabolites (monkeys, rodents)
 R01HD-07244-01 Separation and culture of epididymal epithelial cells (rabbits, cattle)
 R01HD-07382-03 Development of cell shape in embryonic epithelia (marine fish, salamanders)
 R01HD-07416-03 Histochemical changes associated with teratogenesis (rats, chick embryo)
 M01HD-12506-03 Male reproductive tract (rats)
 R01HL-01770-23 Fine structure of kidney, lung, and intestine (rats)
 ** P01HL-06285-14 0196 Cardiovascular-respiratory physiology and biochemistry - Hormonal regulation of sodium transport-Epithelial cell membranes (toads)
 P01HL-06285-14 0209 Cardiovascular-respiratory physiology and biochemistry - Metabolic studies of isolated lung cells (human, animals)
 R01HL-12650-06 Environmental pathobiology of the lung (rodents)
 R01HL-13798-03 Mechanisms of control of isotonic transport (rabbits)
 R01HL-13849-07 Structure and motion of cilia (mollusks)
 R01HL-13979-04 0009 Cardio-pulmonary-renal program - Cellular physiology of the lungs (rabbits, rats)
 R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
 R01HL-14835-02 Capillary, permeability and morphology (rabbits)
 ** R01HL-14844-02 Mucin secretion by respiratory epithelial explants (human)
 ** P17HL-15061-03 0011 Response of lung to injury - Lung epithelium cell death, proliferation and differentiation after injury (mice)
 P17HL-15098-03 0008 Special center of research-Environmental lung disease - Histo- and cytopathology of nasal and pharyngeal tissues (monkeys)
 P01HL-16137-01 0006 Alveolar biology - Hypolipemic agents and their effects on pulmonary epithelial organelles (rats)
 R01HL-16407-01 Cell biology of the alveolar capillary unit (rats, hamsters)
 ** R01HL-16674-01 Airborne metals and lung permeability (bullfrogs, rabbits, cats)
 R01HL-16730-01 Physiology of mucociliary transport (rats, frogs, bivalves)
 R01HL-16864-01 Change in alveolar permeability in pulmonary edema (dogs)
 ** R23HL-17110-01 Culture of Type II cells isolated on Ficoll gradients (rats)
 R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)
 R01NS-00840-19 Neuroendocrine integration (insects, amphibians, mammals)
 R01NS-00707-08 Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils)
 R01NS-09836-03 Cholinergic nerve ending particles
 R01NS-09948-03 Transport of materials by the choroid plexus (cats, rabbits)
 R01NS-10048-03 Mucus clearance in secretory otitis media (cattle, frogs)
 R01NS-10336-03 Components controlling behavior (coelenterates, insects)
 ** R01NS-10845-01 Physiology and pharmacology of ciliated epithelium (hivale, frog, chick, rat)
 M01RR-00059-13 0067 General clinical research center - Excretion of animal and plant sterols from skin of man
 M01RR-00063-12 0060 General clinical research center - Epithelial cell kinetics in jejunal biopsies in tropical sprue
- TISSUE, EXOCRINE GLANDS (GENERAL)**
 SEE ALSO ENDOCRINOLOGY, ENDOCRINES
 R01AI-09118-06 Pathogenicity of EMC virus (mice, monkey, swine)
 P01AM-03564-15 0024 Mesenchymal tissues and their diseases - Chemical structure of cystic fibrosis mucin (human)
 ** R01AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
 R01AM-16258-02 Mechanism of eccrine sweat gland function (human, cats, monkeys)
 R01AM-16990-01 Secretion of proteins and ions by the pancreas
 M01CM-33725-02 Exocrine and endocrine function in carcinoma of the pancreas
 R01DE-01701-12 Oral pathology-Electron microscopy (human, dogs, rats, rabbits, snails)
 R01DE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
 P13DE-02600-08 0014 Planning of a research center in oral biology - Membrane biosynthesis and degradation in parotid gland
 R01DE-03666-01 Parotid gland secretion following X-irradiation (human)
 R01EY-00119-04 Lacrimal gland factors influencing secretion (human, rabbits)
 P01GM-19527-03 0006 Human genetics - Growth and differentiation of exocrine and endocrine pancreas
 R01HD-04592-06 Biochemistry of the male genital tract (rodents)
 P17HL-14179-04 0004 Center for the study of lung disease - Mucus abnormality in cystic fibrosis (human, rats)
- TISSUE, ORGANS (SEE ALSO SPECIFIC ORGANS)**
 ** R01AI-11051-01 Biology of tissue and organ transplantation (mice, rats)
 R01AM-16572-02 0002 The heterophile system in renal transplantation - Isolation of antigen from various tissues and bacteria (human, rats)
 R01AM-16572-02 0003 The heterophile system in renal transplantation - Distribution of antigen in kidney, other tissue, bacteria (human, mammals, birds)
 P02CA-13943-02 0018 Clinical pharmacology immunology cancer research center - Prediction of clinical toxicity due to chemotherapy (rats, human)
 P01CA-14052-02 Pion beam diagnostics control, dosimetry, and operation (human, mammals)
 R01CA-15189-01 DNA repair and carcinogenesis (rodents)
 P01DA-00254-03 0003 Drug abuse basic research center - Effects of drugs on synthesis of neuro-humoral transmitters (monkeys)
 R01ES-00412-06 0001 Mechanisms of insecticide resistance - Binding of organochlorine compounds in fish tissues
 R01GM-14659-07 Mechanical properties of tissues (dogs, cats)
 R01GM-16549-06 Post-traumatic changes in extracellular fluid volume (dogs, rats)
 R01GM-20834-01 Acoustical holography medical imaging
 P01HD-03803-06 0001 Control mechanism in reproduction and development - Organogenesis and embryonic induction (amphibians, Drosophila)
 R01HD-05443-03 Circulatory and cellular studies in ruminant fetal sheep
 R01HD-06057-02 Progesterone metabolism in human fetoplacental unit (also rats)
 P01HL-07293-13 0027 Cardiovascular instrumentation research and development - Geometry, echo coherency indication (models)
 ** P01HL-08203-12 0004 Renal homotransplantation in man - Regional organ procurement program (human)
 R01HL-11802-07 Cardiovascular surgical research (dogs)
 ** P01HL-14322-03 0007 Interdisciplinary program in biomaterials science - Study of heat transfer processes in biologic materials (animals)
 R01HL-14801-02 Synergistic effects of oxygen and hydrostatic pressure (rats)
 ** R01HL-15490-02 Red cell deformability and flow through organs (dogs, human)
- TISSUE AND CELL PREPARATION**
 SEE ALSO TEMPERATURE, FREEZE-DRYING*
 SEE ALSO TEMPERATURE, FREEZE-ETCHING*
 R01AM-10045-08 0001 Urothelial microcontour, function and defenses - Basic scanning electron microscopic techniques (human, dogs, rabbits)
 R01CA-06081-13 0004 Ultrastructural pathology - Localization of cations in the endocrine pancreas (mammals)
 ** P01CA-08748-09 6918 Research program of Sloan-Kettering Institute - Variations in morphology in cell culture with differing fixation methods
 R01CA-10337-08 Spin labeling and membrane structure
 ** R01CA-11695-05 Photoelectron microscopy and biological surfaces
 P02CA-13696-02 0059 Clinical cancer research center - Use of clinical tumor material for viral study (human)
 R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
 ** R01CA-15089-01 Chemical carcinogenesis in vitro (hamsters, human, mice)
 ** M01CB-43955-00 Cell preparations of gynecologic cytopathologic specimens
 ** M01CB-43960-00 Optical markers useful as gynecologic cytopathologic specimens (human)
 ** M01CB-43984-00 Markers applicable to gynecologic cytopathologic specimens (human)
 M01CM-22044-03 Improving radioautographic emulsions and processing methods (mammals)
 M01CP-33245-01 Pediatric Tumor Resource
 ** P01DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
 P13DE-02668-08 0014 Dental research center - Growth mechanisms (mice, rabbits)
 M01ES-42149-00 Biologic specimens exposed to orally ingested asbestos fibers
 R01EY-00133-05 Electron microscopy in ocular pathology (human)
 ** R01GM-06637-15 Support of central laboratory for electron microscopy (biology)
- ** R01GM-14237-09 Electron microscopy of macromolecular systems (mammals, E coli)
 ** R01GM-20550-02 Radiation damage above 1 MEV in biological EM
 ** R01GM-20901-01 Flow systems-Cell preparation, cytochemistry, pathology (human, animals)
 ** P01HD-02274-08 0057 Mental retardation and child development - Subcellular fractionation of postmortem tissues (human)
 P01HD-02274-08 0073 Mental retardation and child development - Normal and altered visual development in premature infants
 ** R01HD-07244-01 Separation and culture of epididymal epithelial cells (rabbits, cattle)
 ** R01HL-01770-23 Fine structure of kidney, lung, and intestine (rats)
 P01HL-13517-04 0005 Circulatory performance and prediction - Myocardial mechanics determined by ventricular fiber geometry (human, animal)
 P01HL-13517-04 0015 Circulatory performance and prediction - Cardiovascular pathology care facility
 P17HL-14138-04 0005 Center for research on atherosclerosis - Metabolic ultrastructural correlations (pigs)
 ** P17HL-14217-04 0037 Specialized center of research in thrombosis - Electron microscopy of jugular and femoral veins (dogs)
 R01HL-15552-02 Biotechnology resource in electroprobe microanalysis
 R01NS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
 R01NS-05591-10 Electron microscopy of cerebral tissue (rats, monkeys, gerbils)
 M P01NS-10299-03 Biophysical and biochemical studies of cellular membranes
 ** P01NS-10299-03 0006 Biophysical and biochemical studies of cellular membranes - Protein-lipid interactions in model membrane systems
 ** P01NS-10299-03 0007 Biophysical and biochemical studies of cellular membranes - Histochemical studies of retinal red outer segment membranes
 P01NS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)
 ** P01NS-11417-01 0007 Core program project in communicative disorders - Preservation of cells lining cochlear duct and junctions between them
- TISSUE AND CELL PREPARATION, SECTIONING**
 R01AM-14272-05 Electron probe investigation of cell calcium (chick embryo)
 P01CA-10893-06 0011 Cancer Research Center - Prostatic carcinoma (human, mice)
 R01CA-13678-02 Blood group substances and gastrointestinal neoplasia (human)
 R01CA-15954-01 Distribution and function of nuclear pores (frogs, insects, fish, mice, rats)
 M01CM-22044-03 Improving radioautographic emulsions and processing methods (mammals)
 M01CP-23206-02 Histogenesis of renal carcinoma (human, mammals)
 R01DE-02241-09 Analysis of some functions of the enamel organ (rats)
 R01EY-00097-12 Development and organization of visual pathways (rabbits)
 ** R01GM-10422-12 Ultra high resolution autoradiography (insects, plants, amphibians)
 R01HD-00836-11 Laboratory for the study of human embryos and fetuses
- TISSUE AND CELL PREPARATION, SILVER IMPREGNATION TECHNIQUES**
 ** R01NS-07998-06 Ultrastructural analysis of central nervous systems (guinea pigs)
 R01NS-08798-04 Role of the rod nucleus in motor function (opossum)
 R01NS-09211-04 Connections of cerebral cortex (primates)
 R01NS-10536-02 Organization of the striate cortex (monkeys)
 R01NS-10567-02 Structurofunctional studies of neuropil modules (cats)
 R01NS-10579-02 Development of synaptic knobs and behavior (rats)
 R01NS-11834-01 Fine structure of spinal cord (monkeys, cats)
- TISSUE AND CELL PREPARATION, STAINING**
 SEE ALSO DYES
 R01AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
 R01AM-15440-04 Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish)
 R01CA-05959-13 Genetic-cytochemical studies on haploid cells in culture (frogs)
 ** R01CA-10337-08 0004 Spin labeling and membrane structure - Alterations of membranes by uranyl acetate and glutaraldehyde
 P02CA-11051-06 0057 Clinical radiation research center - Clinical investigative radiation pathology

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-12247-03 0002 Pediatric oncology center - Leukopoietic factors in acute lymphatic leukemia (human, mammals nonhuman)
- ** R01CA-13271-06 Automated cancer cell diagnosis by the ticas method
- P01CA-13330-03 0057 Cancer research program - Host DNA replication induced by oncogenic viruses (monkeys, mice)
- R01CA-13661-02 Cytogenetics of human tumors
- ** R01CA-13763-02 Chromosomal variants of cells converted by viruses (human, hamsters)
- R01CA-13821-02 Carcinogen induced chromosome changes and transformation (rats)
- R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
- ** N01CB-43912-00 Development of hematoxylin substitutes for diagnostic tissue staining
- ** N01CB-43962-00 Staining gynecologic cytopathologic specimens (human)
- R01GM-17367-05 Automated cell sorting-Clinical and biological uses (human, mammals nonhuman)
- ** P01GM-18252-04 0002 Automation of ultramicroanalyses of macromolecules - Biophysical chemistry
- P01GM-18252-04 0007 Automation of ultramicroanalyses of macromolecules - Biochemistry (human)
- P01GM-19100-03 0008 Genetics research center - Cell cycle related fluorescence staining of chromosomes
- P01GM-19489-03 0023 Study of human genetics - Gene assignment by study of chromosome variants
- ** R01GM-20491-01 Structure of human mitotic and meiotic chromosomes (human, insects)
- ** R01GM-20922-01 Cytochemistry and structure of chromosomes (hamster, flies)
- R01HD-05361-10 Analysis of chromosome karyograms (human, mice)
- ** R01HL-12147-07 Histochemistry of early arteriosclerotic lesions
- R01HL-12147-07 0001 Histochemistry of early arteriosclerotic lesions - Neutral prematalized dyes
- R01HL-12147-07 0003 Histochemistry of early arteriosclerotic lesions - Reactive dyes
- R01NS-00284-21 Neuroanatomical investigations by electron microscopy (rats)
- R01NS-06856-08 Storage disease-Intracellular transport and digestion (human, animals, plants)
- P01NS-10981-02 0003 Control of activity in excitable tissues - Chemical modification and ultrastructural changes in axon membranes (animals)
- ** N01RR-00075-11 0012 General clinical research center for children - Use of chromosomal markers in linkage studies
- P07RR-00592-04 High voltage electron microscopy of biological systems (mammals, plants, fish)
- TISSUE AND CELL PREPARATION, STAINING, METACHROMASIA**
- R01AM-16698-01 Cystic fibrosis (human, rabbits)
- ** P01GM-18252-04 0001 Automation of ultramicroanalyses of macromolecules - Biophysical cytochemistry (human, mice)
- R01HD-06285-03 Genetic studies of lysosomal disorders (human)
- TISSUE (CELL) CULTURE***
- SEE ALSO PREGNANCY, EMBRYO-FETUS CULTURE
- R01AA-00293-03 Alcohol and behavior-A genetic and biochemical study (rodents, monkeys)
- R01AA-00296-03 Effects of alcohol on monoamine metabolism (rats)
- R01AA-00322-01 Ethanol-Intracellular effects on in vitro (CNS) (mice)
- R01AI-00957-19 RNA function in viral infected and uninfected cells
- R22AI-01636-17 Acquired immunity in tuberculosis (mice, guinea pigs, monkeys)
- N01AI-02169-07 Methods of producing human interferon
- R01AI-03957-14 Metabolic control mechanisms (bacteria, mammals, non-human)
- R22AI-05920-12 Togavirus replication in insect and vertebrate cells
- R01AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- R01AI-06927-09 Cellular specificity in delayed hypersensitivity (starfish, guinea pigs)
- R01AI-07461-08 Interaction of zoopathogenic fungi with phagocytes (mice)
- R01AI-07471-08 Equine infectious anemia (horses)
- R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
- R01AI-07488-08 Development of mammalian coccidia in cultured cells (cattle, sheep)
- R01AI-08573-07 0005 Genetics of lambda prophage - Biotin biosynthesis
- R01AI-08632-06 Biochemistry and pathophysiology of diphtheria (guinea pigs)
- R01AI-08795-06 Cellular events in the immune response (mice, rabbits)
- R01AI-08817-06 Regulation of cells of the immune system (human, animals)
- R01AI-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
- R01AI-08970-06 Chemotherapy of malaria
- R01AI-09897-04 Cell interactions in immune response in vitro (mice)
- R01AI-09914-04 Symbiotes as models of vector parasitism (arthropods)
- R01AI-09972-04 Viral pathogens (mosquitoes)
- R22AI-10271-04 Vector-parasite interactions-Analysis in vitro (snails)
- R01AI-10593-03 Characterization of human non-HLA leukocyte antigens
- R01AI-10743-03 Ridding cell lines and virus strains of mycoplasmata
- R01AI-10917-02 Immunoglobulin receptors of lymphoid cells (mice, rabbits)
- R01AI-10969-04 Recognition of particles by phagocytes (mice, amoeba)
- R01AI-11073-02 Gonococcus infection (human, mice)
- R01AI-11472-01 Hepatitis associated antigen (human, mice, rats, hamsters)
- ** R01AI-11486-01 Growth of mammalian plasmodia in liver cell cultures (mice, rats, mosquitoes)
- P01AI-11576-02 0001 Lymphocyte biology - In vitro studies of cellular immunity (human, mice)
- R01AI-11806-02 Function and biosynthesis of J chain (human)
- ** R01AI-12089-01 The selection of picornavirus-assistant cells
- ** N01AI-22525-03 Cultivation of molluscan cell lines
- ** N01AI-22527-03 Cultivation of molluscan cell lines (snails)
- ** N01AI-32518-03 Cultivation of molluscan cell line
- N01AI-32521-01 Operation of virus, tissue culture and serology laboratories
- R01AM-01226-18 Electron microscopy of islet cells (human, rats, lizards)
- R01AM-03373-15 Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human)
- P01AM-03564-15 0008 Mesenchymal tissues and their diseases - Collagenase degradation
- P01AM-03564-15 0009 Mesenchymal tissues and their diseases - Collagenase in human cholesteatoma
- R01AM-04599-14 Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs)
- R01AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
- R01AM-06450-12 Mycoplasma, L forms and viruses in rheumatic diseases (human)
- R01AM-08054-11 Immunological studies of tissue alloantigens (human, primates)
- P01AM-08445-10 0001 Biology of skin of man and other primates - Genetic control of melanogenesis and cell interaction
- P01AM-08445-10 0018 Biology of skin of man and other primates - Effect of 5-bromodeoxyuridine on melanoma cells (mice)
- P01AM-08445-10 0019 Biology of skin of man and other primates - The ultrastructure of a melanoma (mice)
- P01AM-09001-10 0051 Biochemistry and immunology of blood diseases - Stem cell in aplastic anemia (human, mice)
- R01AM-09822-09 Acid-base balance regulation of renal metabolism (dogs)
- R01AM-10833-08 Structure of collagen (bacteria, mice, human)
- ** R01AM-11011-08 Differentiated function in dispersed cell cultures (human, rats, mice)
- ** R01AM-12413-07 Purine metabolism in gout (human, birds)
- R01AM-12579-05 Tissue culture study of inborn metabolic errors (human)
- R01AM-13217-06 Secretion and metabolism of prolactin (sheep, rats)
- ** R01AM-13620-06 Biosynthesis of liver proteins by ribosomes (rats)
- R01AM-13660-04 Pathology of biomedical disorders in vitro
- ** R01AM-13900-05 Metabolic basis of cystine storage disease (human)
- R01AM-14121-05 Metabolic control of epidermal cell growth (human, rabbits)
- ** R01AM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)
- R01AM-14528-05 Inborn errors of metabolism in cell culture (human)
- R01AM-14678-04 Iron storage and mobilization in the macrophage series (mice, human)
- R01AM-15287-03 Cartilage production in cell culture (chick embryo, human)
- R01AM-15312-03 Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys)
- P01AM-15515-03 0010 Psoriasis biology, psoriogenesis and lesion control - In vitro screening for drug action (human, mice, lizards)
- R01AM-15590-03 The subcutaneous tissue in scleroderma (human)
- ** R01AM-15622-03 Neurohypophyseal hormone secretion in tissue culture (rat, chick embryo, anurans)
- R01AM-15771-03 An extracorporeal device to perform liver functions (rats)
- R01AM-15800-03 Metabolism of bone and bone cells (rats)
- R01AM-15885-03 Erythroid cell development and hemoglobin synthesis (chick embryo)
- R01AM-16060-03 Chemical, temperature, and wound induced epidermal mitosis (human, mice)
- R01AM-16138-03 Basement membranes (dogs)
- R01AM-16610-01 Sickle cell anemia and hemoglobin synthesis (monkeys)
- R01AM-16636-02 Metabolic effects of thyroid hormones in cell culture (cattle, rats)
- P17AM-17026-01 0047 Vanderbilt University Diabetes-Endocrinology Center - B cells (rats)
- P17AM-17046-01 0001 Diabetes endocrinology center - Core facilities
- R01AM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- ** R01AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- ** R01AM-17299-02 0001 Induction and suppression of urea cycle enzymes - Liver cell culture
- ** R01AM-17631-01 Genetic control of hyperplasia in the endocrine pancreas (mice)
- P01CA-02332-20 0048 Clinical and laboratory studies of normal and abnormal growth - Chemical carcinogenesis in tissue culture (rats)
- ** R01CA-02568-20 0002 Free amino acids in normal and neoplastic tissues - Cells in tissue culture (hamster)
- R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- R10CA-03358-17 Cooperative breast cancer group
- R10CA-03360-17 Cooperative breast cancer group
- R01CA-04571-16 Viruses in the pathogenesis of human tumors
- ** R01CA-04670-15 Hybridization, DNA function, mutation in cell culture (human, rodents)
- R10CA-05186-14 Western cancer study group
- ** P02CA-05834-13 0007 Cancer clinical research center - Bone marrow culture (human, mice)
- P02CA-05834-13 0038 Cancer clinical research center - Pharmacology of cancer drugs
- R01CA-05959-13 Genetic-cytochemical studies on haploid cells in culture (frogs)
- P02CA-06516-12 0016 Cancer center support grant-Comprehensive - Preclinical evaluation of antitumor agents.
- ** P02CA-06519-12 0083 Radiation therapy and biology research program - Determination of radiobiologic parameters of individual human tumors
- R01CA-06656-12 Biochemical aspects of viral carcinogenesis
- ** P01CA-06927-12 0004 Biological and biochemical program in cancer research - Mitotic control in tissue culture (human, mice)
- R01CA-07000-10 Acquired hemolytic anemia of lymphocytic leukemia (human)
- P02CA-07357-10 0001 Special children's cancer center program - Role of viruses in etiology of acute leukemia (human, primates nonhuman)
- ** P01CA-07368-11 0006 Interrelationships of normal and cancer cells - Model systems (human, rats, mice)
- R01CA-07868-09 Defective Friend virus and its pseudotypes (mice)
- R01CA-08416-09 Control of transcription and translation in mammalian cells
- ** R01CA-08515-09 Tissue culture studies of the mammary tumor virus (human, mice)
- R01CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
- R01CA-08618-09 Cellular responses to irradiation (hamster)
- P01CA-08748-09 5548 Research program of Sloan-Kettering Institute - Effect of californium-252 neutrons on hypoxic HeLa cells (human)
- P01CA-08748-09 6204 Research program of Sloan-Kettering Institute - Esterase activity in Hodgkin's disease patients
- ** P01CA-08748-09 6506 Research program of Sloan-Kettering Institute - Virus-like agents in cells from Hodgkin's disease
- P01CA-08748-09 6702 Research program of Sloan-Kettering Institute - Semliki Forest Virus studies-RNA synthesis in infected hamster kidney cells
- P01CA-08748-09 6706 Research program of Sloan-Kettering Institute - Protein synthesis and viral replication in Sendai virus-infected cells (cattle)
- ** P01CA-08748-09 6909 Research program of Sloan-Kettering Institute - Virus-like agents in Hodgkin's disease
- P01CA-08748-09 6915 Research program of Sloan-Kettering Institute - Detection and identification of tissue culture contaminants
- P01CA-08748-09 7402 Research program of Sloan-Kettering Institute - Suspension cultures of resistant L1210 leukemia
- P01CA-08748-09 7419 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies on neuroblastoma cell lines (human)
- P01CA-08748-09 7609 Research program of Sloan-Kettering Institute - Culturability of cells treated in vivo with carcinogens (rats)
- R01CA-08793-08 Chemistry and pharmacology of vitamin B6 antagonists

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01CA-10000-08 Filterable agents and tumor induction in mice
- ** R01CA-10095-07 Gene action and cellular differentiation in culture (mice, human)
- R01CA-10171-09 Submicroscopic structure of living cells (marine biology)
- R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- R01CA-10367-06 Cell properties related to mitotic control in vitro
- R01CA-10410-08 Dose-time factors influencing cellular radiosensitivity (mammals)
- R01CA-10922-06 Metabolism of animal cell ribosomes (human)
- R01CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- ** R01CA-11050-07 0008 Molecular pharmacology of the cell cycle - Continuous tissue culture lines (hamster)
- P02CA-11067-05 0008 Clinical cancer research center - Cooperative study of potential anticancer drugs (mice)
- R01CA-11114-06 Cell junctions during growth and differentiation (mice)
- ** R01CA-11224-06 0002 Neurooncogenesis by resorptive carcinogens - In vitro transformation of glial cells by MNNU and ENU (rats)
- ** R01CA-11339-05 Control of cell growth, differentiation, and function (mice)
- R01CA-11349-06 Platinum compounds-A new class of anti-tumor agents (mice)
- P01CA-11405-06 0010 Core program on etiology of cancer - Detection of tumorigenicity of mammary tumor virus (human)
- ** P01CA-11405-06 0019 Core program on etiology of cancer - Adaptation of cell cultures to substituted culture media (human, rats)
- P02CA-11602-05 0001 Research and clinical radiation center - Chinese hamster ovary fibroblasts
- P02CA-11602-05 0002 Research and clinical radiation center - Mitotic cell selection for cell cycle analysis
- P02CA-11602-05 0003 Research and clinical radiation center - Repair kinetics of radiation induced cell division delay
- P02CA-11602-05 0004 Research and clinical radiation center - Use of lucanthone in cell cycle analysis
- P02CA-11602-05 0005 Research and clinical radiation center - Radiosensitivity and radiation repair kinetics of diploid tetraploid CHO cells
- P02CA-11602-05 0006 Research and clinical radiation center - Interaction of hyperthermic damage with radiation damage
- R01CA-11683-05 Coenzyme and nucleic acid metabolism (microorganisms, vertebrates)
- R01CA-11685-05 Tumor cell synthesis and secretion of peptide hormones (human, mice)
- R01CA-11969-03 Intermediary metabolism of cholesterol in cancer (rats, human)
- R01CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- R01CA-12136-03 Effect of estrogens and progestins on culture cells (rabbits, rats)
- P01CA-12174-04 0023 Growth and cell control processes - Metabolism in insect cells
- R01CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- R01CA-12191-05 Hormones and control mechanisms in cultured mammalian cells (rats)
- P02CA-12247-03 0002 Pediatric oncology center - Leukopoietic factors in acute lymphatic leukemia (human, mammals nonhuman)
- ** P02CA-12247-03 0022 Pediatric oncology center - Tissue culture of neoplastic cells
- R01CA-12334-03 Action of aminonucleoside on normal and cancer cells
- ** R01CA-12338-03 Somatic cell genetics-Mutations and carcinogenesis (human, rodents)
- R01CA-12382-03 Virus associated neoplasms (rabbits)
- R01CA-12635-03 Pathogenesis of plasma cell tumors (mice)
- P01CA-12662-03 0001 Cancer research center - Regulation of thymidine kinase in relation to cell division (mice)
- ** P01CA-12662-03 0003 Cancer research center - Radiation response of mammalian cells (hamsters)
- R01CA-12897-03 The histones of normal and leukemic leukocytes (human)
- R01CA-12948-03 Host range mutants of simian virus 40
- R01CA-12967-02 Serum and cancer growth factors (rats, mice)
- R01CA-13032-03 In vitro system for detection of preinvasive carcinoma (mice)
- P02CA-13053-03 0037 Clinical cancer radiation therapy research center - Quantitation of cellular responses to specific antigens (human)
- P02CA-13053-03 0043 Clinical cancer radiation therapy research center - Use of in vitro colonies as a model for solid tumors (human, mice, hamsters)
- P02CA-13053-03 0045 Clinical cancer radiation therapy research center - The hematopoietic stem cell (mice)
- ** P02CA-13053-03 0065 Clinical cancer radiation therapy research center - Colony formation of peritoneal exudate cells in culture (mice)
- ** P02CA-13053-03 0074 Clinical cancer radiation therapy research center - Human granulopoietic progenitor cells (tissue culture)
- P02CA-13053-03 0087 Clinical cancer radiation therapy research center - X-ray induced malignant cell transformation (mice)
- ** P02CA-13053-03 0089 Clinical cancer radiation therapy research center - Permanent cell lines with defined biochemical properties (human, tissue culture)
- R01CA-13061-03 Problems of membrane biology and oncogenesis
- R01CA-13068-03 Interferon inducers and mammalian cell division (mice, rats)
- ** P01CA-13095-03 0004 Virology, immunobiology and biochemistry of renal cancer - Establish tissue and serum bank (human, mammals nonhuman)
- P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
- R01CA-13137-02 Role of pyridine nucleotides in human leukemia
- P02CA-13148-03 0042 Pilot cancer center - Mechanisms of rejection and immunologic enhancement
- R01CA-13216-03 Detection and modification of tumor immunity (human, mice)
- R01CA-13376-02 Hepatocarcinogenesis in culture (rats, human)
- R01CA-13393-02 Reversion of properties in virus-transformed cells
- R01CA-13417-02 Androgens in prostatic and epididymal culture (human, dogs)
- P02CA-13525-03 0003 Program for treatment of malignant brain tumors - Amino acid analysis of glial tumors (human)
- P02CA-13525-03 0007 Program for treatment of malignant brain tumors - Enzyme histochemical analysis of cultured brain tumors (human)
- R01CA-13548-02 Controlled differentiation of tumor cells (mice)
- R01CA-13595-03 Electron microscopy of lymphoreticular tissues (mice, human)
- ** R01CA-13625-03 0006 Myeloma tumors in cell culture - Human myeloma cells
- R01CA-13658-03 Effects of lymphokines on tumor cells (human, rats, guinea pigs)
- ** P02CA-13696-02 0009 Clinical cancer research center - Organ culture of breast cancer tissue (human)
- ** P02CA-13696-02 0010 Clinical cancer research center - Viral oncogenesis (human)
- ** P02CA-13696-02 0011 Clinical cancer research center - Immunohistochemical studies of breast tissue antigens (human, rabbits, hamsters)
- P02CA-13696-02 0061 Clinical cancer research center - Interferon-induced, immune-mediated oncolysis (human, mice, cats)
- R01CA-13700-02 Parathyroid hormone and cancer (human)
- P02CA-13943-02 0008 Clinical pharmacology immunology cancer research center - Cell culture studies of synthetics and natural products
- P02CA-13943-02 0009 Clinical pharmacology immunology cancer research center - Predictive tests in culture of human leukemic cells
- P02CA-13943-02 0019 Clinical pharmacology immunology cancer research center - Biology of preneoplastic livers and liver tumors (mice)
- ** R26CA-14137-03 Bladder cancer in meniscus gradient tissue culture (human)
- R01CA-14169-03 RNA synthetic patterns as a biochemical test in leukemia (human)
- P01CA-14195-01 0001 Core grant-Regulation, the cell membrane and cancer - Collaboration of bone marrow and thymus derived lymphocytes (cattle, mice)
- R01CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
- ** R01CA-14386-01 Toxicity of anti-tumor drugs (mice)
- P01CA-14395-02 0012 Cancer research center of Greater Miami - Antigens from genital tumors (human)
- P02CA-14520-02 0001 Wisconsin Clinical Cancer Center - Developmental interactions in control of tumors (human, mice)
- P01CA-14733-02 0010 Control of gene expression, virus replication and cell growth - Proteins biosynthesis in serum-deprived cells
- ** R01CA-14821-02 Steroid hormone control of tumor cell growth in vitro (hamsters)
- R01CA-14991-02 Renewal of premalignant and malignant intestinal cells (human, hamsters)
- R01CA-15010-01 Bioassay-in vitro models of human chemo-oncogenesis (human, rodents)
- ** R01CA-15079-01 Neoplasia and differentiation in tracheal epithelium (rodents)
- R01CA-15185-02 Establishment and use of animal lymphocyte lines (mice, rats)
- ** R01CA-15450-02 0001 Mutation in diploid human somatic cells - In vitro mutant somatic cell detection (human)
- ** R26CA-15477-02 Establishment of cell cultures of human tumor urothelium
- ** R26CA-15503-01 Prostatic human tumors in conditioned animals and in culture (mice)
- R01CA-15549-01 Neoplastic-normal cell coaggregates (mice)
- R01CA-15619-01 Normal and malignant hematopoietic cell replication (human, rabbits)
- R01CA-15644-01 Control mechanisms of the G0 phase of the cell (tissue culture)
- ** R26CA-15766-01 Monolayer cultures of human prostate carcinoma (also hamsters)
- R01CA-15955-01 Papilloma virus-associated human tissue antigens (and guinea pigs)
- ** R26CA-15972-01 Tissue culture of mammalian urothelium (human)
- ** R01CA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
- R01CA-16207-01 Characterization of malignant cell variants
- R13CA-16224-01 Selected Cold Spring Harbor summer workshops
- R01CA-16392-01 Culture of preneoplastic mammary cells of the mouse
- R26CA-16430-01 Carcinoma of the prostate (human)
- ** R01CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)
- R26CA-16764-01 Carcinoma of the colon (human)
- N01CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
- ** N01CB-12078-04 Production of human lymphoid cells in culture
- ** N01CB-23227-03 Measurement of immunological reactivity to human cancer
- N01CB-23858-02 Diagnostic characterization of mammary tumors (human)
- ** N01CB-23860-02 Documentation of human breast cancer in tissue culture
- ** N01CB-23860-02 Tissue culture lines from patients with breast cancer
- ** N01CB-23869-01 Establish tissue culture lines from human breast cancer
- N01CB-23879-02 Establishment and maintenance of blood serum bank (human)
- ** N01CB-43854-00 Isolation and tissue culture of human tumor cells
- N01CB-43985-00 Normal and tumor cell surface antigens
- ** N01CM-02271-06 Human hematopoietic tissue culture cell lines
- ** N01CM-23701-04 Perform mixed leukocyte cultures (human, dogs)
- ** N01CM-33702-01 Tissue culture assay of antibiotic beers and purified preparations (mice)
- N01CM-43719-00 Supportive services in virology, immunology and tissue culture
- N01CP-22046-02 Isolation and chemical characterization of specific antigens (human, goats)
- N01CP-33221-01 Maintenance of pathogen-free white leghorn chickens
- ** N01CP-33234-04 Production of viruses and human-virus cancer cell lines
- ** N01CP-33237-02 Cell culture laboratory and associated research in viral oncology
- N01CP-33245-01 Pediatric Tumor Resource
- N01CP-33253-01 In vitro cultivation of human and mouse mammary tumor viruses
- N01CP-33279-01 Isolate, propagate and store mutant vertebrate cells (mice)
- N01CP-33290-01 Immunologic and epidemiologic studies on Japanese patients with cancer
- N01CP-33355-01 Purification and characterization of viruses
- ** N01CP-43216-00 Spontaneous and virus induced neoplastic transformation studies (human)
- ** N01CP-43228-00 Research of Hodgkins disease and other human malignant lymphomas
- ** N01CP-43231-00 Development of pancreatic cells
- N01CP-43237-00 Normal and malignant tracheobronchial epithelium in humans (hamsters)
- ** N01CP-43256-00 Prostatic epithelial cell lines (human)
- N01CP-43389-00 Studies on Herpesviruses
- ** N01CP-43392-00 Supply of blood and tissue specimens from neoplastic patients
- N01CP-60902-11 Produce simian foamy virus reagents and antisera
- R01DE-01547-13 Tissue culture and electron microscopy of the gingiva (animals)
- P01DE-01770-12 0005 Oral pathology - Tissue culture of oral tumors (human)
- P13DE-02623-08 0012 Center for oral health research - Collagen synthesis and extrusion by fibroblasts in culture
- P13DE-02623-08 0024 Center for oral health research - Replication of herpes simplex virus (type 1 oral) in synchronized mammalian cell
- P13DE-02668-08 0016 Dental research center - Fine structure of the trigeminal ganglion (chickens, primates, rodents, human)
- R01DE-02774-07 Tissue interaction in dental development (mice)
- R01DE-03556-03 Prostaglandins and periodontal disease
- ** R01ES-00404-06 Carbon monoxide and cultured heart cells (rats)
- ** R01ES-00412-06 0005 Mechanisms of insecticide resistance - Tissue culture (fish)

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**Oriented significantly to above subject.

† Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- POIES-00597-04 0008 Food-borne environmental toxicants - Evaluation of environmental compounds (salmonella)
- ** POIEY-00336-08 0008 CLINICAL STUDENT OF GLAUCOMA - Steroid responsiveness in tissue culture (human)
- POIEY-00396-07 0015 Basic ophthalmic research program - The physiological reactions of the lens to its environment
- POIEY-00396-07 0022 Basic ophthalmic research program - Antibodies, antigens and mechanisms involved in cytotoxicity
- ROIEY-01302-01 The role of H-LA antigens in corneal transplantation (human)
- ROIFD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
- ROIFD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
- ROIFD-00645-05 Radiation damage-Metabolism in reproductive system (mice, rabbits)
- ROIGM-04761-18 Metabolism of polysaccharides (human, rabbits)
- ROIGM-06983-15 Genetic studies with cultivated mammalian cells (human, mice)
- ROIGM-07816-15 The mode of action of chemical mutagens (bacteria, mammals)
- ROIGM-10717-12 Nucleic acid metabolism of mammalian cells in culture
- POIGM-11301-12 0005 Structure, function and biosynthesis of macromolecules - Protein modifying reactions in vitro (mammals)
- ROIGM-12323-10 0015 Biochemical genetics - Ethidium bromide effect on mouse mitochondria
- POIGM-13543-09 0001 Cellular and molecular pathology - Replicative life-span of human fibroblasts (human, animals)
- ** POIGM-13882-09 0003 Cell transformations, division and motion - Muscle differentiation (chickens)
- ROIGM-14650-08 Genetics of human tissue antigens (human)
- P11GM-15190-08 0001 Center for toxicological research and training - Toxicology of fluoride (human, rats)
- POIGM-15253-08 0014 Genetics in medicine-Gene action in man - Genetic variants in study of macromolecular uptake
- POIGM-15253-08 0016 Genetics in medicine-Gene action in man - Genetic recombination in cell culture (mice, human)
- POIGM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
- POIGM-15253-08 0040 Genetics in medicine-Gene action in man - Relationship of immune phenomena to chromosome errors (human, animals)
- ** POIGM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- ROIGM-15508-07 0002 Cell regulation and fetal proteins in neoplasia - Role of fetal protein in neoplasia (human, rats)
- P11GM-15956-07 0035 Factors affecting the responses to drugs - Potential assay for detecting environmental teratogens (mice)
- POIGM-17702-05 0003 Human biochemical genetics - Enzyme defects in ganglioside metabolism (human)
- POIGM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
- ** POIGM-17702-05 0013 Human biochemical genetics - Central tissue culture laboratory
- ** POIGM-18252-04 0008 Automation of ultramicroanalyses of macromolecules - Medical and biochemical genetics (human)
- ROIGM-18853-03 Movement of fibroblasts and other tissue cells (amphibians, chicks, tunicates)
- POIGM-19100-03 0007 Genetics research center - Cell culture studies in inborn errors of metabolism (human, rats)
- ** POIGM-19443-03 0013 Problems in clinical genetics - Long term lymphoid cell lines
- ** POIGM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
- POIGM-19521-03 0001 Genetic study of mammalian control systems - Genetic control of enzyme level (mice, human)
- POIGM-19521-03 0008 Genetic study of mammalian control systems - Physical and chemical studies of lysosomal enzymes (mice, human)
- POIGM-19521-03 0009 Genetic study of mammalian control systems - Chemical synthesis of reagents and substrates
- POIGM-20124-02 0009 Center for human genetics and inherited disease - Cell lines from cells by infection with Epstein-Barr virus (human, rodents)
- ** ROIGM-20667-01 Skin allograft facilitation by prior tissue culture (mice, human)
- ROIGM-21165-01 Analysis of lectins in tropical rainforest plants
- ** NOIGM-32112-04 Operation of human genetic mutant cell
- NOIHB-22919-03 Hemoglobin carbamylation in the treatment of sickle cell anemia
- NOIHB-22946-03 Studies in sickle cell disease (human)
- NOIHB-42968-00 Interactions of natural and chemically modified biopolymers with blood
- ROIHD-00047-10 Control of cell differentiation in culture (chick embryo)
- ROIHD-00072-11 Androgen metabolism in childhood (human)
- ROIHD-00193-19 Mechanisms of genetic control of abnormal development (mice)
- ** POIHD-01799-09 0002 Mental retardation research center - Studies on neural tissue cultures (mammals)
- ** POIHD-01799-09 0016 Mental retardation research center - Metabolic interactions in cell culture inborn errors of metabolism
- POIHD-02274-08 0003 Mental retardation and child development - Somatic cell genetics (human)
- ** POIHD-03015-08 0015 Program for developmental biology - Development of hormone dependent ovarian tissue culture (rats)
- ** POIHD-03015-08 0016 Program for developmental biology - Hormone responsive cell cultures from adipose tissue (rats)
- ** POIHD-03015-08 0019 Program for developmental biology - Development of haploid wasp cultures (Marmonia)
- POIHD-03110-07 0032 Child development and mental retardation - Clinical and biochemical genetics (human)
- ROIHD-03752-05 0010 Mammalian reproduction - Cultured oviductal tissue from rabbits
- ** ROIHD-04252-06 Tissue culture in hereditary disorders (human)
- ROIHD-04526-05 Inborn errors of metabolism (human)
- ROIHD-04583-06 0001 Mental retardation research center - Biosynthesis of mucopolysaccharides by neuroblastoma and glial cells in vitro
- POIHD-04583-06 0015 Mental retardation research center - Glycosphingolipid metabolism in tissue culture (human)
- ROIHD-05624-04 Genetics and pathogenesis of the chondrodystrophies (human, mice, rabbits, dogs)
- ** POIHD-05797-04 0030 Population and reproductive biology - Esteroproteases and cell growth in tissue culture
- ** POIHD-05797-04 0031 Population and reproductive biology - Polyamine biosynthesis in tissue culture
- POIHD-05797-04 0032 Population and reproductive biology - Growth stimulators (mice)
- ** POIHD-05958-03 0007 Neurophysiology and neuropsychology in mental retardation - Electrophysiology and response plasticity of neurons (human, cats)
- POIHD-05961-03 0004 Human and mammalian development - Primary cellular growth deficiency in humans
- ** POIHD-05996-03 0002 Prevention of mental retardation through prenatal diagnosis - Surfaces for fetal cell adhesion and growth (human)
- ** POIHD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
- ** POIHD-05996-03 0004 Prevention of mental retardation through prenatal diagnosis - Intermediary carbohydrate metabolism in fetal cells (human)
- ** POIHD-05996-03 0005 Prevention of mental retardation through prenatal diagnosis - Fetal skin biopsy in utero (primates, human)
- ** ROIHD-06020-03 Maturation of mammalian oocytes (mice)
- POIHD-06276-03 0068 Mental retardation research program - Culture of dispersed cerebellar neurons
- ** POIHD-06323-03 0001 Cellular senescence and control of cell proliferation - Transcription in transformed and diploid cells (human, SV 40 virus)
- ** POIHD-06323-03 0002 Cellular senescence and control of cell proliferation - Translation and macromolecular turnover in cellular aging (human, SV40)
- ** POIHD-06323-03 0003 Cellular senescence and control of cell proliferation - Protein function and its modification by hormones and growth factors (human)
- ** POIHD-06323-03 0004 Cellular senescence and control of cell proliferation - Nutritional and digestive function of normal and transformed cells (human)
- ** POIHD-06323-03 0005 Cellular senescence and control of cell proliferation - Genetic factors and aging of cultured somatic cells (human)
- ** POIHD-06323-03 0006 Cellular senescence and control of cell proliferation - Transformation studies (human SV40)
- ROIHD-06356-03 Folate metabolism and mental retardation (human)
- POIHD-06576-01 0002 Molecular aspects of mental retardation - Effects of mercurials on neural metabolism and development (human, animals)
- ** POIHD-06576-01 0006 Molecular aspects of mental retardation - The phenylalanine hydroxylase gene-Cell culture and somatic hybridization (rats)
- ** ROIHD-06726-03 Effects of estrogen on human uterine tissue in vitro
- ROIHD-06856-02 Developmental aspects of cell surfaces (chick embryo)
- M POIHD-07173-02 Structure and function of aging human fibroblasts
- ** ROIHD-07244-01 Separation and culture of epididymal epithelial cells (rabbits, cattle)
- POIHD-07328-01 0005 Experimental and theoretical studies of cell senescence - Design and development of micromanipulation equipment
- M POIHD-07376-01 Fibroblasts and connective tissues in development
- ** POIHD-07495-02 0025 Center for population research, studies in reproductive biology - Culture of endocrine reproductive cells (chickens, rats, human)
- ROIHD-07857-03 Sex hormone receptor components and the cell genome (chicks, human, guinea pigs)
- POIHD-08181-01 0002 Cell biology of aging - Extracellular control in vitro (rabbits, rats, human)
- NOIHD-42828-01 Production and distribution of human diploid cell strain
- ** NOIHD-42865-00 Genetically marked cells for aging research
- NOIHD-92091-11 Production and distribution of human diploid cell strain
- ROIHL-01803-20 0008 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Cultures of endothelial cells derived from umbilical cord veins (human)
- ** POIHL-03174-19 0006 Mechanisms of acute vascular reaction to injury - Cells of fibrous plaque in tissue culture
- POIHL-06285-14 0179 Cardiovascular-respiratory physiology and biochemistry - Regulation of myocardial cell growth (rats)
- POIHL-08214-11 0023 Chemical and biological properties of lipids - Lipids, lipid metabolism in microorganisms and mammalian cells
- ** ROIHL-09103-10 Sterol metabolism in tissue culture cells (human, rabbits)
- ** POIHL-10098-10 0022 Primates in cardiovascular research - Perinatal biology
- ** POIHL-10098-10 0032 Primates in cardiovascular research - Blood substitute and tissue culture
- POIHL-13262-02 0012 Arterial wall in atherosclerosis - Characterization of connective tissue components (animals)
- ** ROIHL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)
- ROIHL-13505-04 Intercellular junctions in cardiac morphogenesis (rats, chickens)
- ROIHL-13713-04 Pathogenesis of lipid accumulation (human, mice)
- ROIHL-13814-14 Erythropoietin physiology in hematologic disorders (human, mice)
- POIHL-13979-04 0022 Cardio-pulmonary-renal program - Glycoproteins biosynthesis (cattle)
- P17HL-14192-04 0007 Specialized center of research in hypertension - Recognition and treatment of steroid hypertension (human, rats)
- ROIHL-14328-03 Physiological regulation of ion transport and volume (human)
- ROIHL-14460-03 Atherosclerosis studies in vivo and in cell culture (monkeys)
- ** POIHL-14810-03 0002 Cornell thrombosis research center - Endothelial cell culture (human, rabbits)
- ** P17HL-15103-03 0012 Specialized center of research-arteriosclerosis - Cellular responses in atherosclerosis in tissue culture (monkeys)
- ROIHL-15346-02 Countershock current injury to myocardial cells (rats, chick embryo)
- ** POIHL-15833-01 0001 Pharmacologic and physiologic basis of cardiac therapy - Drug effects on heart cell in tissue culture (rats, chick embryo)
- POIHL-16117-01 0001 Ion movements and membranes in cardiovascular control - Developmental studies of contractile cell junctions (rats, guinea pigs)
- POIHL-16117-01 0008 Ion movements and membranes in cardiovascular control - Arterial smooth muscle calcium fluxes and contractility (cattle, guinea pigs)
- POIHL-16137-01 0004 Alveolar biology - Subcellular processes and controls in the surfactant system (animals)
- ROIHL-16328-02 Membrane electrical properties of vascular muscle (human, animals)
- POIHL-16769-01 0004 Pathobiologic and host defense reactions in the lung - Pathogenesis of Pseudomonas and Serratia pneumonias (human, rabbits)
- ** ROIHL-16956-01 Structure-function pathology of isolated heart cells (mice, rats)
- ** R23HL-17110-01 Culture of Type II cells isolated on Ficoll gradients (rats)
- R23HL-17174-01 Cellular interactions in lung resistance to infection (mice)
- NOIHV-12060-07 Development of tissue cultured endothelium for vascular prosthetic devices
- NOIHV-60982-13 Effects of additional endogenous heat (dogs, monkeys, cattle)
- ROIMH-18282-05 Biochemical regulatory mechanisms and memory (mice, cockroaches)
- ROIMH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)
- ROIMH-21805-02 Psychotropic drugs, catecholamines and nerve cultures (rats, mice)
- ** ROINS-03114-13 Tissue culture of nervous tissue (mammals, human)
- ROINS-04703-11 Catecholamine metabolism in neuroblastoma (human)
- ROINS-06262-10 Immune basis of disease-Allergic encephalomyelitis (rats, rabbits, cats)
- ** ROINS-06545-09 Biophysical cytology of cultured neural tissues (human, mice, chick embryo)
- ROINS-06610-08 In vitro biology of brain cellular species (rats, mice)
- ** ROINS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Ornamented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1NS-06989-08 Cellular effects of neurotropic viruses (sheep)
- PO1NS-07376-07 0006 Univ Chicago head injury center - Immunohistochemical studies on synaptic membranes (cats, rabbits)
- ** PO1NS-07376-07 0008 Univ Chicago head injury center - Tissue culture experiments
- RO1NS-07927-07 Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice)
- RO1NS-08527-05 Chemical reactions in transmission of nerve impulses
- ** RO1NS-08626-06 Development of central nervous tissue in culture (mice)
- PO1NS-08711-04 0002 Fundamental studies relating to multiple sclerosis - Tissue culture studies of amyotrophic lateral and multiple sclerosis (human)
- ** PO1NS-08711-04 0007 Fundamental studies relating to multiple sclerosis - Tissue culture of EAE and MS (human, rats)
- RO1NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- RO1NS-09933-04 Immunobiology of age dependent CNS disease (mice)
- ** RO1NS-10207-03 Neuromuscular synapse in cell culture (frogs, rats)
- RO1NS-10287-19 Metabolism of serine and related compounds (rats, swine)
- ** PO1NS-10299-03 0025 Biophysical and biochemical studies of cellular membranes - Granulosa and luteal cells in monolayer culture (swine)
- RO1NS-10309-02 Masked and latent viruses in brain (human, monkeys)
- RO1NS-10338-03 Ganglionic synaptic transmission (birds)
- ** RO1NS-10615-02 Biochemistry and physiology of neurons (mice, chickens)
- RO1NS-10665-02 Human skeletal muscle in tissue culture
- RO1NS-11027-01 Cellular interaction in neuronal tissue culture
- ** RO1NS-11160-02 Synapse formation in low-density culture (chick embryo)
- RO1NS-11635-01 Molecular basis of membrane excitation (electric fish)
- ** PO1NS-11642-01 0015 Basic and clinical neuroendocrinology - Hormonal secretion in human pituitary cell culture
- RO1NS-11665-01 Metachromatic leukodystrophy in cultured cell systems (human, rats)
- NO1NS-42300-02 Delivery of antigens and viral diagnostic reagents
- ** NO1NS-42301-00 Prepare and deliver various cell cultures
- NO1RR-00107-11 0061 General clinical research center - Study of metabolic and connective tissue diseases using human fibroblast culture
- ** PO1RR-00273-09 0009 Mass spectrometric facility for biomedical research - Effect of valine deprivation on the small molecule metabolism of HeLa cells
- NO1RR-00305-08 0071 Clinical research center for children - Correction of alpha-galactosidase deficiency in fibroblasts in Fabry's disease
- SO6RR-08052-03 Central State University biomedical research program (human)

TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS, BANKS AND REGISTRIES

- RO1AI-03242-13 0006 Genetics, structure, and function of bacterial pili - Pili structure, isolation, and classification (bacteria, bacteriophage)
- RO1AI-06276-09 Identification of species of three related genera
- RO1AI-08899-06 Immunobiological studies with cultured human lymphocytes
- PO1AI-10702-03 0001 Cell biology of lymphoid cells - Somatic cell genetics (human, mice, viruses)
- ** NO1AI-22527-03 Cultivation of molluscan cell lines (snails)
- RO1AM-04826-14 Abnormal proteins in the pathogenesis of disease (human, aspergillus)
- RO1AM-17299-02 0001 Induction and suppression of urea cycle enzymes - Liver cell culture
- ** PO1CA-08748-09 6209 Research program of Sloan-Kettering Institute - Cell clones derived from human leukemic bone marrow and blood
- PO2CA-12247-03 0022 Pediatric oncology center - Tissue culture of neoplastic cells
- RO1CA-13086-03 Identification of viruses associated with human cancer (human, mice, guinea pigs)
- ** PO2CA-13696-02 0031 Clinical cancer research center - Tissue banks for tumors of the nervous system (human)
- PO2CA-13696-02 0032 Clinical cancer research center - Virologic and immunologic studies of human brain tumors
- PO2CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
- ** PO2CA-13696-02 0056 Clinical cancer research center - Central tumor tissue facility (human)
- RO1CA-15018-01 Human hematopoietic and cancer cells
- PO2CA-15145-01 0005 Cancer center support grant - Tissue culture of choriocarcinoma and hydatid mole
- ** RO1CA-15185-02 Establishment and use of animal lymphocyte lines (mice, rats)
- RO1CA-15583-01 New approaches to cancer chemotherapy (mice)

- R26CA-15639-01 Transplantable chemically induced colon cancer in rats
- PO1CA-16359-01 0029 Cancer center support grant - Continuous lymphocytic cell lines
- NO1CB-23886-02 Facility for supplying immune related cell lines (mice)
- NO1CP-33201-01 Maintenance of low-temperature repository for cell lines from human tumors
- ** PO1ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coest
- ** PO1GM-17702-05 0006 Human biochemical genetics - Inherited diseases in cultures of differentiated cells (hamsters, rats, human)
- ** RO1HD-00836-11 Laboratory for the study of human embryos and fetuses
- RO1HD-04004-06 0006 Programmed senescence in cultured human cells - Proliferation kinetics and pedigree analysis of human diploid cells
- RO1HD-04004-06 0007 Programmed senescence in cultured human cells - The orgel hypothesis and protein turnover
- PO6RR-00361-08 Reference center for study of primate viruses
- ** PO6RR-00779-02 Defining Xyleborus for biomedical research use
- ** NO1RR-12501-02 and cell cultures
- ** NO1RR-42158-00 Maintain collections of strains of microorganisms and cell cultures

TISSUE (CELL) CULTURE, CELL LEAKAGE AND CROSS-FEEDING

- RO1ES-01047-01 Effects of lead on prokaryotic and eucaryotic cells (bacteria, rabbits)
- ** RO1HD-05465-04 0011 Genetic studies of human somatic cells - Contact-feeding and mutagenesis (human)

TISSUE (CELL) CULTURE, CLONE CELLS*

- SEE ALSO NEOPLASTIC CELLS, HELA CELLS
SEE ALSO NEOPLASTIC CELLS, KB CELLS
SEE ALSO NEOPLASTIC CELLS, L CELLS
SEE ALSO NEOPLASTIC CELLS, WISH CELLS
- PO1AI-10702-03 0001 Cell biology of lymphoid cells - Somatic cell genetics (human, mice, viruses)
- ** PO1AI-11576-02 0006 Lymphocyte biology - Lymphoblastoid cell lines (human, mice)
- RO1AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
- RO1AM-15663-03 Basement membrane-Structure, function, pathology (mice)
- RO1CA-06833-11 Factors influencing lymphoma cells (mice)
- PO2CA-06973-12 0012 Integrated clinical cancer research program - Cell biology-Kinetics of transplanted cells (mice)
- ** PO2CA-06973-12 0022 Integrated clinical cancer research program - Neoplasia-Clonal proliferation or recruitment (human, mice)
- PO1CA-10815-06 0012 Consolidated basic cancer research program - SV40 virus-induced growth of macrophage clones (rabbits)
- RO1CA-11097-05 Cell differentiation and neoplasia (hamsters, rats, rabbits)
- RO1CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
- ** RO1CA-12308-03 Isolation of animal cells containing suppressor tRNAs (hamsters, rabbits)
- PO1CA-12542-03 0002 Fast neutron therapy with TAMVEC cyclotron - Cellular radiobiology (human, hamsters)
- RO1CA-12687-03 Cytogenetic and ultrastructural studies in leukemia (human)
- RO1CA-12850-03 Retinal cells in tissue culture (human, rabbits, rodents)
- RO1CA-13070-03 Active immunity to human and experimental brain tumors (hamsters)
- PO1CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
- PO2CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
- RO1CA-13410-02 Mechanism of hormone action on target cells in culture (human, rats, mice)
- RO1CA-13468-02 Growth potential of single lymphoma cells in mice
- PO1CA-13472-02 Investigation of childhood leukemia
- ** PO1CA-13472-02 0003 Investigation of childhood leukemia - Clonal selection of leukemic cells (mice, human)
- ** PO2CA-13525-03 0001 Program for treatment of malignant brain tumors - Morphology of cultured glial tumors (human)
- RO1CA-13587-03 Heritable changes in tumor cell phenotype (crown gall)
- ** RO1CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
- PO1CA-14733-02 0005 Control of gene expression, virus replication and cell growth - Viral-resistant mutants of cultured mouse cells
- RO1CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
- ** R26CA-15441-01 Hormonal dependence of prostate cancer (human, rats)
- R26CA-15766-01 Monolayer cultures of human prostate carcinoma (also hamsters)

- RO1CA-15909-01 0001 Drug development-human leukemia growth factors - Human leukemic cells and anticancer agents in culture
- R26CA-15972-01 Tissue culture of mammalian urothelium (human)
- R26CA-15973-01 Genetic studies of heritable colorectal cancer (human)
- ** R26CA-16373-01 Tissue culture of colon cancer-Human immunity (also mice)
- ** NO1CP-43331-00 Propagation and storage of mutant vertebrate cells
- PO1GM-15253-08 0016 Genetics in medicine-Gene action in man - Genetic recombination in cell culture (mice, human)
- PO1GM-15253-08 0035 Genetics in medicine-Gene action in man - Possible variation in normal cell strains to overgrowth by malignant cell lines
- RO1GM-15410-07 Normal and abnormal cell growth and heredity (ciliates)
- PO1GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- PO1GM-17702-05 0009 Human biochemical genetics - Metabolic defect in cystinosis
- PO1GM-18153-04 0009 Gene control of mammalian cell differentiation - Somatic cell hybridization (mice, human)
- RO1GM-20454-02 Human gene linkage relationships in cell hybrids (human, mice, hamsters)
- PO1HD-06323-03 0007 Cellular senescence and control of cell proliferation - Genetic factors and aging of cultured somatic cells (human, deer)
- PO1HD-07328-01 0002 Experimental and theoretical studies of cell senescence - Senescence and spanning in Amoeba and human cells in culture
- RO1HD-07664-02 Gonadotropin secretion in LH and FSH clone cultures (rats)
- ** PO1HD-08181-01 0003 Cell biology of aging - Effect of donor age on clonal growth (rabbits)
- NO1HD-12133-07 Growth of human trophoblast cells in culture
- PO1HL-06285-14 0186 Cardiovascular-respiratory physiology and biochemistry - Leukocyte hormone receptors and cyclic nucleotides
- RO1HL-15008-02 Prenatal detection of sickle cell anemia (human)
- ** P18HL-15165-03 0003 Comprehensive sickle cell disease center - In vitro growth of hematopoietic cells from human embryonic tissue (human)
- ** RO1NS-09658-04 Physiology of nerve, glial, and muscle cell lines (rats)
- ** RO1NS-10861-02 Clonal lines of nervous system cells in tissue culture (human, rats)
- RO1NS-11549-01 Synapse formation in cloned cell lines (mice, rats)

TISSUE (CELL) CULTURE, CLONE CELLS, WI-38 CELLS

- PO1CA-10815-06 0069 Consolidated basic cancer research program - Senescence and transformation in steroid-influenced cell growth (cell culture)
- PO1CA-10815-06 0070 Consolidated basic cancer research program - Structure-function relationships of lysosomes (mammals)
- PO1CA-13330-03 0021 Cancer research program - Cell membranes in normal and cancer cells (human)
- PO1CA-13330-03 0029 Cancer research program - Cyclic AMP in normal and malignant cells (rabbits, monkeys, human)
- PO1CA-14193-02 0003 Comparative leukemia studies unit - Production purification and detection of BLV (human, cattle, rats)
- PO1HD-05875-04 0001 Aging mechanisms of in vitro human cell systems - Relation of cell size to in vitro age (WI-38)
- PO1HD-05875-04 0002 Aging mechanisms of in vitro human cell systems - Lipid peroxidation of aging cells (WI-38)
- PO1HD-05875-04 0003 Aging mechanisms of in vitro human cell systems - Methods of cell culture (WI-38)
- PO1HD-05875-04 0004 Aging mechanisms of in vitro human cell systems - Morphology of aging cells (WI-38)
- PO1HD-05875-04 0005 Aging mechanisms of in vitro human cell systems - Freeze-cleavage and etching (WI-38)
- PO1HD-05875-04 0006 Aging mechanisms of in vitro human cell systems - Molecular damage of enzymes (WI-38)
- PO1HD-05875-04 0009 Aging mechanisms of in vitro human cell systems - Molecular damage of lysosomes (WI-38)
- PO1HD-05875-04 0010 Aging mechanisms of in vitro human cell systems - Membrane deterioration in mitotic and non-mitotic cells (human, rats)
- PO1HD-05875-04 0011 Aging mechanisms of in vitro human cell systems - Mitochondria in cell senescence (WI-38)
- PO1HD-05875-04 0012 Aging mechanisms of in vitro human cell systems - Turnover of cellular organelles of human cells (WI-38)
- PO1HD-05875-04 0013 Aging mechanisms of in vitro human cell systems - DNA replication and repair (WI-38)

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**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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- PO1HD-05875-04 0015 Aging mechanisms of in vitro human cell systems - Collagen synthesis (WI-38)
- TISSUE (CELL) CULTURE, MIXED CULTURES**
SEE ALSO TISSUE (CELL) CULTURE, CELL LEAKAGE AND CROSS-FEEDING
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING, MLC
- RO1AM-16011-03 Immunologic adaptation to human renal allografts (human)
- PO2CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
- RO1CA-08499-10 Tissue culture studies of human melanocytes (and monkeys)
- PO1CA-08748-09 5938 Research program of Sloan-Kettering Institute - Mixed leukocyte culture and typing for liver allograft rejection in dogs
- RO1CA-10018-08 Transplantation disease and leukemia (mice, viruses)
- PO1CA-10815-06 0037 Consolidated basic cancer research program - Isolate viruses from human sarcomas and leukemias
- PO2CA-10895-06 0012 Adult leukemia research center - Immunogenetics
- PO1CA-11405-06 0011 Core program on etiology of cancer - Alternate cell culture to increase virus production (human, rats, hamsters)
- RO1CA-12109-04 0011 Trophoblastic disease - Mixed lymphocyte lympholysis between cells of patient and husband
- RO1CA-12779-02 Leukocyte regulatory mechanisms (human, mice, rats)
- RO1CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- PO1GM-19489-03 0027 Study of human genetics - Immunogenetic studies in the Amish
- TISSUE (CELL) CULTURE, ORGAN CULTURE**
SEE ALSO CARDIOVASCULAR SURGERY, EXTRACORPOREAL CIRCULATION, PERFUSION EX-VIVO
- RO1AI-01023-18 Pathogenic agents using in vitro techniques (rats)
- R22AI-08417-06 Cultivation of *M. leprae* in tissue culture (rats)
- RO1AI-08778-06 Clonal analysis of the immune mechanism (mice)
- RO1AI-09022-06 Model of parainfectious demyelinating encephalitis (dogs)
- RO1AI-1277-02 Cultivation of *Pneumocystis carinii* from cancer patients (rats, rabbits)
- RO1AI-11849-01 Laboratory marker of influenza virus virulence
- NO1AI-42542-00 Development of 'An in vitro assay of attenuation of live influenza viruses'
- PO1AM-03564-15 0012 Mesenchymal tissues and their diseases - Role of nerve in organogenesis
- RO1AM-04652-14 Intestinal absorption of mineral ions (chickens)
- RO1AM-05556-13 Pancreatic regeneration and differentiation (rats)
- RO1AM-06205-13 Parathyroid and bone metabolism (rats)
- PO1AM-08305-11 0002 Cystic fibrosis and pulmonary disease - Tissue and organ culture studies (human, rats)
- RO1AM-08418-10 Local immune response in rheumatoid synovitis (human)
- RO1AM-10002-10 Neural control of thyroid and adrenal function (rats, cats, primates)
- RO1AM-10358-09 Effects of penicillamine on collagen metabolism (human, rats, cattle)
- RO1AM-10546-09 0001 Epidermal cell model from human skin - Epidermal-dermal interactions in normal and diseased skin
- RO1AM-10546-09 0002 Epidermal cell model from human skin - Formation, origin and function of structures at epidermal-dermal junction
- RO1AM-13463-05 The infectious etiology of rheumatoid arthritis (human)
- RO1AM-13866-05 Basement membrane derangements in diabetes mellitus (human)
- RO1AM-13935-05 Organ transplantation (dogs, pigs, monkeys, rabbits, rats)
- PO1AM-14248-03 Pancreatic islet cells-Long term culture (rats)
- RO1AM-14523-04 Development and control of synthesis and secretion (human, rats, rabbits)
- RO1AM-15193-04 Ultrastructural and physiologic diabetes studies (human, mice, monkeys)
- PO1AM-15515-03 0001 Psoriasis biology, psoriogenesis and lesion control - Mitotic behavior in epidermal system (human, lizards, mice)
- PO1AM-15515-03 0003 Psoriasis biology, psoriogenesis and lesion control - Controls of mitosis of extra-epithelial origin (human, lizards)
- RO1AM-15761-03 Metabolism of normal and abnormal physal cartilage (human, dogs)
- RO1AM-15902-03 Perfusion study of anterior pituitary function (rats)
- RO1AM-16441-08 Intermediate metabolism in epidermal differentiation
- RO1AM-16753-03 Regulation of hepatic enzyme synthesis by cyclic AMP (rats)
- PO1AM-17040-01 0002 The basic defect in cystic fibrosis - Growth and cytogenetics of CF cells in vitro (human, Chinese hamster ovary cells)
- RO1AM-17537-02 Functional morphology of the alimentary tract (human, rat, rabbits)
- PO1AM-17766-01 Selective differentiation-Human islet organ culture (fetal)
- RO1AM-18063-01 Parathyroid and bone metabolism (rats)
- PO1CA-02332-20 0010 Clinical and laboratory studies of normal and abnormal growth - Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice)
- PO1CA-05388-15 0003 Biology of mammary neoplasia - Developmental and endocrinological studies (human, animals)
- PO2CA-05826-13 0084 Clinical cancer research center - Transplantation immunology of skin (human, mice, tissue culture)
- PO2CA-05831-13 0042 Cancer clinical research - Genetic variation in enzymes which modify chemical carcinogens
- RO1CA-06081-13 0001 Ultrastructural pathology - Endocrine pancreas differentiation (rats)
- PO1CA-07175-11 0003 Cancer research at the McArdle laboratory - Carcinogenesis in organ culture (mice)
- PO2CA-07177-11 0007 Clinical cancer research center - Hormonal requirements for breast tumor growth in organ culture (human)
- PO1CA-08748-09 6001 Research program of Sloan-Kettering Institute - Biochemical and morphological differentiation (rats, chick embryo)
- RO1CA-10668-06 The parathyroid glands in neoplastic disease (human, rats, cattle)
- PO1CA-10893-06 0015 Cancer Research Center - Study of human papilloma
- RO1CA-10995-06 Peptidase activity and cellular CAMP metabolism in cancer (rats)
- PO2CA-11051-06 0054 Clinical radiation research center - Radiopathology-cytokinesis studies of human neoplasms
- RO1CA-11689-04 Differentiation and stroma-induction in neural tumors (human, rats)
- RO1CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
- RO1CA-12056-03 Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats)
- RO1CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- RO1CA-12990-03 Inhibition of androgen action in prostatic neoplasms (human, rat)
- PO1CA-13330-03 0029 Cancer research program - Cyclic AMP in normal and malignant cells (rabbits, monkeys, human)
- RO1CA-13417-02 Androgens in prostatic and epididymal culture (human, dogs)
- PO1CA-14051-02 0003 Center for cancer biology at MIT - Tumor immunology (mice)
- RO1CA-14387-02 Organ cultures and carcinogens (human, animals)
- R26CA-15436-01 Test systems for drugs against prostatic cancer (rats, dogs, baboons)
- PO1CA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinoma (human, hamsters)
- PO1CB-23861-02 Hormonal requirements of normal and abnormal human mammary tissue
- NO1CB-23875-02 Control DNA synthesis in the mammary gland
- NO1CB-90033-10 Study of mammary tumors in dogs
- NO1CP-22064-02 Organ culture assay of vitamin A analogs (mice, chickens)
- NO1CP-43274-00 Carcinogenesis in human bronchial tissues
- NO1CP-43295-00 Studies on oat-cell carcinoma of the lung (human)
- RO1DE-01523-13 Metabolic pathways in bone (mice)
- P13DE-02600-08 0004 Planning of a research center in oral biology - Control of the formation of cell-specific proteins (rats)
- PO13DE-02623-08 0016 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias
- PO1DE-02953-06 0014 Developmental biology of calcified tissues - Regulation of collagen metabolism in connective tissues (rats)
- RO1EY-00010-11 Effect of blood and pressure on cultured ocular tissue (human, animals)
- RO1EY-01211-01 Organ culture of corneas (human, rabbit)
- PO1GM-10390-12 RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle)
- PO1GM-19489-03 0008 Study of human genetics - Cartilage and chondrocytes from chondrodysplasias
- RO1HD-00412-18 Fetal endocrinology and study of diabetes and pregnancy (rats)
- PO1HD-03352-07 0009 Wisconsin center on mental retardation - Embryo-uterine interrelationship (rats, monkeys)
- RO1HD-03752-05 0008 Mammalian reproduction - Behavior of oögonia and oocytes in tissue and organ culture (mice)
- PO1HD-03803-06 0001 Control mechanism in reproduction and development - Organogenesis and embryonic induction (amphibians, *Drosophila*)
- RO1HD-04110-04 Virus induced disorders of growth and development (mice)
- RO1HD-05291-04 Hormonal regulation of an enzyme system in the uterus (rats)
- RO1HD-05297-04 Morphogenesis in embryonic and pathological systems (chick embryo, mice)
- PO1HD-05969-03 0004 Events that control fertilization - Hormonal regulation of oviduct epithelium (monkeys, hamsters, cats)
- RO1HD-06422-03 Mitochondrial biogenesis in the mammary explant (mice)
- RO1HD-06486-02 Augmented steroidogenesis by testis slices (rabbits)
- RO1HD-08272-02 Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit)
- NO1HD-12506-03 Male reproductive tract (rats)
- NO1HD-22740-02 Fertilization of mouse eggs in vitro by epididymal sperm
- NO1HD-32729-01 Structure, function and development of oviduct cilia (human)
- NO1HD-42828-01 Production and distribution of human diploid cell strain
- NO1HD-92091-11 Production and distribution of human diploid cell strain
- PO1HL-06285-14 0152 Cardiovascular-respiratory physiology and biochemistry - Diabetic microangiopathy by organ and tissue culture (human)
- PO1HL-08203-12 0025 Renal homotransplantation in man - Antilymphocyte globulin and enhancement (human)
- PO1HL-09251-10 0004 Implantable artificial circulatory pumping systems - Biomaterials (human, animals)
- PO1HL-10098-10 0032 Primates in cardiovascular research - Blood substitute and tissue culture
- RO1HL-14305-03 Viruses in chronic cardiovascular disease (human, dogs)
- RO1HL-14706-03 Fetal hearts in organ culture (mice)
- RO1HL-14844-02 Mucin secretion by respiratory epithelial explants (human)
- RO1HL-15520-02 Total blood replacement by fluorocarbons and polyols (rats, monkeys)
- RO1HL-16311-01 Microscopic evaluation of cardioactive drugs in vitro (mice)
- PO1HL-16769-01 0001 Pathobiologic and host defense reactions in the lung - Endogenous hydrolytic enzymes in pulmonary injury (rabbits)
- PO1INS-03360-14 0039 Neurological clinical research center-Epilepsy - Tissue culture of CNS-Development of organ of Corti (mice)
- PO1INS-04513-11 0009 Coordinated basic and clinical brain research program - Development of nerve terminals in explants of cerebellum (mice)
- RO1INS-08569-06 Development and cytodifferentiation of inner ear (chick embryo)
- RO1INS-08943-05 Functional anatomy of olfactory and taste receptors (animals)
- RO1INS-10349-03 Neurotrophic influence on muscle (rabbits)
- RO1INS-10608-02 Pathogenesis and bone resorption in aural cholesteatoma (human, guinea pigs)
- PO1INS-10648-02 Experimental neuropathology in tissue culture
- RO1INS-10655-02 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)
- RO1INS-11936-01 Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits)
- NO1IRR-00070-12 0078 General clinical research center - Homologous transplantation in vitro cultured human skin
- TISSUE COMPATIBILITY**
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
- TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING**
SEE ALSO BLOOD GROUPS
SEE ALSO GLOBULINS, GLOBULIN FACTORS
- RO1AI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
- PO2AI-06320-10 0002 Transplantation immunology center - Tissue typing (human)
- RO1AI-06918-09 Transplantation immunology (rats, mice)
- PO1AI-07007-09 0011 Immunopathologic studies - Complement enzyme studies (human, mice)
- RO1AI-07289-09 Chemical studies on histocompatibility antigens (mice)
- PO1AI-08439-07 Genetic factors in transplant survivals (human)
- RO1AI-08897-06 Immunologic study of human HLA and mouse H-2 antigens (rabbits, rodents)
- RO1AI-08899-06 Immunobiological studies with cultured human lymphocytes
- RO1AI-09293-14 Surface leukocyte antigens and skin grafts (human)
- RO1AI-09419-11 Irradiation and marrow transplantation in large animals (dogs)
- RO1AI-10136-03 Pathology and pathogenesis of host versus graft disease (mice)
- PO1AI-10290-03 The ultrastructural relation of H-2 isoantigens (mice)
- RO1AI-10593-03 Characterization of human non-HLA leukocyte antigens

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AI-10824-03 Graft immunogenicity and its modification (mice rats)
- ** R01AI-11074-02 Mechanisms of histocompatibility-linked I genes (mice, guinea pigs, human)
- P01AI-11313-02 0005 Humoral, cellular and genetic mechanisms in autoimmunity - Histocompatibility-linked immune response genes in man
- P01AI-11313-02 0006 Humoral, cellular and genetic mechanisms in autoimmunity - Correlation of histocompatibility, immune response, and susceptibility (human)
- ** R01AI-11466-02 Immunobiology of allograft rejection in mouse
- ** R01AI-11956-01 Comparison of histocompatibility antigens (rats)
- R01AI-12136-01 Beta 2-microglobulin on the surface of lymphocytes (mice)
- ** R01AI-12155-01 Histocompatibility antigens in a black population (human)
- ** N01AI-12443-04 Evaluate human histocompatibility typing trays
- ** N01AI-22529-03 Histocompatibility-matching in renal transplantation
- ** N01AI-22530-03 Histocompatibility-matching in renal transplantation
- ** N01AI-22531-02 Evaluation of histocompatibility matching
- ** N01AI-22536-02 Histocompatibility-matching in renal transplantation
- ** N01AI-22539-03 Histocompatibility-matching in renal transplantation
- ** N01AI-32511-02 Evaluation of typing techniques in clinical homotransplantation
- ** N01AI-42507-00 Histocompatibility matching
- ** N01AI-42508-00 Obtain HL-A sera and improve histocompatibility technology (human)
- ** N01AI-42551-00 Evaluation of histocompatibility matching in renal transplantation (human)
- ** N01AI-42552-00 Evaluation of histocompatibility matching in renal transplantation
- ** N01AI-50992-08 Obtain HL-A sera and improve histocompatibility technology (human)
- ** N01AI-81298-10 Human tissue typing center
- ** R01AM-02215-14 Spare parts-Homografts of bone marrow (dogs)
- R01AM-07055-12 Tissue specificity (mice, rats)
- R01AM-07642-11 Long acting thyroid stimulator (human)
- R01AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
- ** P01AM-11290-08 Pathophysiology of organ transplant (human)
- P02AM-13083-06 0004 Organ transplantation - Immunosuppression by anti-human lymphoblast globulin (human)
- ** P02AM-13083-06 0072 Organ transplantation - Studies in tissue typing and matching
- ** P02AM-13083-06 0078 Organ transplantation - Human antibodies cytotoxic for lymphocytes
- P01AM-13084-10 0001 Clinical homotransplantation of tissues and organs - Surgery and the program as a whole (human)
- ** P01AM-13084-10 0002 Clinical homotransplantation of tissues and organs - Study of immunology (human)
- P01AM-13084-10 0006 Clinical homotransplantation of tissues and organs - Study of nephrology (human)
- ** P01AM-13084-10 0007 Clinical homotransplantation of tissues and organs - Pediatric nephrology (human)
- ** R01AM-14218-05 Donor selection in clinical organ transplantation (human)
- ** R01AM-15267-03 Evaluation of the mixed skin cell-leucocytes reaction (human)
- ** R01AM-15323-04 Antibody-mediated protection or damage to organ grafts (human, rats, dogs)
- R01AM-15494-03 Lymphocytotoxicity in systemic lupus erythematosus (human)
- R01AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
- R01AM-15867-03 Immune response to renal homografts in humans
- ** R01AM-16011-03 Immunologic adaptation to human renal allografts (human)
- P01AM-16392-02 0009 Immunologic mechanisms in renal disease in childhood - Antilymphocyte serum and immunology of renal allograft (human, rabbits, rodents)
- R01AM-16804-01 Anti-vascular endothelium antibody in transplantation (human)
- P01AM-16944-01 0003 Renal disease and allograft effects of Streptococci - Skin grafts (mice, Streptococcal antigens)
- ** P01AM-16944-01 0005 Renal disease and allograft effects of Streptococci - Lymphocyte migration inhibition and DNA stimulation tests (mice, dogs, monkeys)
- R01AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- R01AM-17317-10 Humoral antibodies accompanying homografts (human, rabbits, rats, mice)
- R01CA-01074-24 Physiological genetics of the mouse
- ** R01CA-03367-18 Irradiation protection and histocompatibility (mice)
- P02CA-05826-13 0036 Clinical cancer research center - Cancer immunobiology-immunological reconstitution in immunodeficiency
- P02CA-06516-12 0011 Cancer center support grant-Comprehensive - Blood products and supportive care (human, rats)
- ** P01CA-08748-09 5938 Research program of Sloan-Kettering Institute - Mixed leukocyte culture and typing for liver allograft rejection in dogs
- R10CA-08859-08 Leukemia center (platelets) program-SWG
- P01CA-10815-06 0055 Consolidated basic cancer research program - Fusion factors effective in heterokaryonization (human, mice, hamsters)
- P02CA-10895-06 0004 Adult leukemia research center - Hodgkins disease, lymphoma program (human)
- P02CA-10895-06 0012 Adult leukemia research center - Immunogenetics
- R10CA-11845-16 Leukemia treatment-Acute leukemia cooperative group B
- ** R10CA-11987-20 Leukemia center platelets program-ALB
- R01CA-12109-04 0007 Trophoblastic disease - Chorionicarcinoma and histocompatibility antigens (human)
- ** R10CA-12190-04 Leukemia center-platelet program
- R10CA-12397-03 Leukemia center (platelet) program
- R01CA-12788-03 Immunogenetic mechanisms and cancer in congenic mice
- ** P01CA-12800-03 0021 Immune functions and cancer - Bone marrow transplantation (human, rats)
- R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
- P02CA-14520-02 0007 Wisconsin Clinical Cancer Center - Major histocompatibility systems and neoplastic diseases (human)
- ** P01CA-15396-01 Bone marrow transplantation program in human disease
- ** P01CA-15396-01 0014 Specialized Cancer Center - Donor selection for platelet and granulocyte transfusions (human)
- ** N01CB-43915-00 NCI human histocompatibility typing center
- ** N01CB-92177-10 NCI human histocompatibility typing center
- ** N01CM-02035-05 Iso-antigen typing of mouse strains and tumors
- ** N01CM-02092-05 HL-A typing for platelet and leukocyte transfusions
- N01CM-23701-04 Perform mixed leukocyte cultures (human, dogs)
- N01CP-43211-02 Viruses, genetics and immunity in the etiology of human cancer
- R23DE-03710-02 Lymphocyte-mediated cytotoxicity (rats)
- ** R01GM-10356-11 Immunogenetics of man (and rabbits, mice)
- R01GM-14650-08 Genetics of human tissue antigens (human)
- R01GM-18350-04 Immunobiology of the laboratory rabbit
- ** P01GM-19489-03 0016 Study of human genetics - Search for new HL-A antisera
- ** P01GM-19489-03 0027 Study of human genetics - Immunogenetic studies in the Amish
- P01GM-20832-01 0003 Genetic research project - Polymorphic gene markers in amniotic fluid (human)
- ** P01GM-21054-01 0003 Human genetics center - Cytogenetics core laboratory
- ** N01HB-12404-05 Prenatal diagnosis of inherited hematologic diseases (human)
- ** N01HB-12410-04 Histocompatibility antigens-poor blood (human, mice)
- ** N01HB-32954-03 Compatibility of carbon and blood
- ** N01HB-32986-01 Platelet typing and refractoriness to platelet transfusions (human)
- R01HL-03365-17 Leukocyte antigens and antibodies (human)
- P01HL-05435-14 0017 Cardiovascular research and training program - Immunology (primates)
- ** P01HL-05435-14 0033 Cardiovascular research and training program - Immunology II (human, mice)
- M P01HL-06370-13 Cardiopulmonary and renal pathology research center
- ** P01HL-06370-13 0004 Cardiopulmonary and renal pathology research center - Lymphocytes in graft rejection and immune surveillance (human)
- P01HL-08203-12 0004 Renal homotransplantation in man - Regional organ procurement program (human)
- P01HL-08203-12 0005 Renal homotransplantation in man - Preservation of cadaver kidneys (human)
- P01HL-08203-12 0034 Renal homotransplantation in man - Cellular immunity and blocking antibody in renal transplantation (human)
- ** P01HL-08203-12 0035 Renal homotransplantation in man - Histocompatibility testing in beagles
- R01HL-08630-10 Genetic markers of human blood in chromosome mapping
- P01HL-09011-11 0001 A research and resource program in blood - Serology and genetics (human)
- R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
- ** P01HL-13108-05 0002 Clinical heart transplantation - Immunologic selection of recipients (human)
- P01HL-13108-05 0047 Clinical heart transplantation - Proliferating cells of atherosclerotic allografted coronary arteries (human)
- P01HL-13737-04 0018 Assisted circulation - Heart transplantation and preservation (dogs)
- R01HL-13987-04 Transplantation of the lung (dogs)
- P17HL-14228-04 0003 Specialized center of research in thrombosis - Rejection in transplantation model (dogs)
- ** R01HL-14455-03 Cardiac allotransplantation (dogs)
- ** R01HL-16119-01 Marrow allografts in hereditarily anemic recipients (mice)
- ** M01RR-00030-13 0016 General clinical research center - Homotransplantation (human)
- M01RR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- M01RR-00048-13 0015 Clinical center - Evaluation of homologous renal transplantation (human)
- M01RR-00051-13 0001 General clinical research center - Organ transplantation-Liver homotransplantation
- ** M01RR-00051-13 0123 General clinical research center - Organ transplantation-HLA typing (human)
- M01RR-00053-13 0037 Clinical research center - Lung transplantation (human)
- M01RR-00058-13 0012 General clinical research center - Renal homotransplantation (human)
- M01RR-00064-10 0003 General clinical research center - Renal homotransplantation (human)
- M01RR-00064-10 0032 General clinical research center - Liver transplantation (human)
- M01RR-00065-12 0013 General clinical research center - Cardiac transplantation (human)
- M01RR-00069-12 0080 General clinical research center, children - Homotransplantation of the liver
- M01RR-00128-10 0048 General clinical research center for children - Bone marrow transplantation in bone marrow failure
- M01RR-00128-10 0055 General clinical research center for children - Immunological responses of renal transplant recipients
- M01RR-00287-08 0043 General clinical research center - Immunologic and hemodynamic study of transplanted kidney (human)
- M01RR-00305-08 0021 Clinical research center for children - Immunosuppression for renal and bone marrow allografts
- M01RR-00305-08 0081 Clinical research center for children - Bone marrow transplantation
- ** M01RR-00336-08 0074 General clinical research center - Development of histocompatibility typing reagents (human)
- P06RR-00627-04 Immunobiology of the laboratory rabbit
- M01RR-00645-03 0064 Clinical research center - Auxiliary and orthotopic hepatic transplantation in hepatic failure (human)
- M01RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)
- M01RR-00827-01 0012 General clinical research center - Human bone marrow transplantation
- M01RR-00865-01 0026 General clinical research center - Bone marrow transplantation (human)
- TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING, CML**
- R01CA-15136-01 Basophil/mast cell function in the control of cancer (guinea pigs, mice, rats)
- ** R01CA-15566-01 Lymphocytotoxicity in neuroblastoma (children)
- R01HL-15246-01 Lung allotransplantation (baboon)
- TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING, MLC**
- ** R01AM-17158-01 The mixed lymphocyte culture and kidney graft survival
- P01CA-15822-01 0004 Immunobiology of normal and neoplastic lymphocytes - Lymphocyte responses to allogeneic cells (mice, rats)
- ** P01GM-15422-07 0008 Program project in genetics - Cellular immunology and histocompatibility (human, mice)
- R01HL-15246-01 Lung allotransplantation (baboon)
- TISSUE COMPATIBILITY-TRANSPLANT, HOMOLOGOUS WASTING DISEASE**
- ** R01AM-06552-10 The pathogenesis of wasting diseases (mice, rabbits and bacteria)
- ** R01AI-10136-03 Pathology and pathogenesis of host versus graft disease (mice)
- R01AI-10990-03 Radiation pathology and treatment in germfree mice (and hamster)
- R01AI-11327-01 Isolation of a T-cell substitute from fetal sera (mice)
- ** R01AM-02133-17 0047 Clinical studies of ulcerative colitis - Intestinal phase of the runting syndrome
- R01AM-16872-01 0001 Immunopathology of chronic renal failure - Effects of chronic uremia on cell mediated immune response (rats)
- R01HD-00193-19 Mechanisms of genetic control of abnormal development (mice)
- P01HD-05961-03 0001 Human and mammalian development - Developmental defects of intrauterine B6 deficiency (rats)
- ** R01NS-11231-02 Immunological markers in developmental brain disease (mice)
- TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT SEE ALSO PROSTHESIS**
- ** R01AI-11466-02 Immunobiology of allograft rejection in mouse
- R01AM-04993-13 Stimulation of bone formation (dogs) (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1AM-16058-03 Failure and repair of bone (cattle, dogs, human, rats)
- RO1AM-16312-01 Methods of managing the neurogenic bladder (mammals)
- RO1AM-16802-01 A third generation artificial kidney (dogs, cattle, human)
- ** RO1AM-17150-01 TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys)
- ** NO1AM-22222-02 New concepts in blood access devices (sheep)
- PO2CA-06518-11 0009 Radiation and radiobiology research center - Fractionated response to hyperthermia and x-radiation (mice)
- PO1CA-08748-09 5926 Research program of Sloan-Kettering Institute - Ureteral reimplantation (dogs)
- ** RO1CA-11430-09 0032 Biomathematics and computing in a cancer institute - Radiation dosimetry for implants and external beam therapy
- RO1CA-11982-04 Influence of central nervous system on oncogenesis (rats)
- R26CA-16373-01 Tissue culture of colon cancer-Human immunity (also mice)
- ** NO1CP-33374-01 Research on standardizing lung pallet techniques (rats)
- ** RO1DE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
- RO1DE-02103-10 0021 Inductive substrates for tooth and bone formation - Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat)
- RO1DE-02633-07 Primate experiment on skull asymmetry in cleft palate
- ** RO1DE-02858-15 Facial growth studies with metallic implants (human)
- RO1DE-03227-03 Immediate metal implants into extraction sockets (dogs, baboons)
- R23DE-03892-01 Fracture toughness of bone-prosthetic material composites
- R23DE-03904-01 Direct current stimulation of bone ingrowth into porous aluminum oxide (dogs)
- NO1DE-12386-04 Artificial dental anchors of non-natural design (miniature swine)
- RO1EY-00196-17 Lens and neural retinal development and regeneration (foods)
- PO1EY-00227-13 0008 The posterior segment of the eye - Methods of retina surgery (human, dogs, rabbits)
- RO1EY-00327-09 Synthetic hydrophilic polymers for eye surgery (rabbits, cattle)
- P1SEY-00338-09 0001 A study of macular disease - Cystoid macular edema after cataract extraction (human)
- PO1GM-17940-04 0003 Integrated electronics for medical applications - Telemetry (dogs)
- ** RO1GM-18395-03 Structure and properties of swelling implants
- RO1GM-18805-03 Wound healing vs tissue regeneration (rabbit)
- ** RO1GM-19419-03 Bioautofuel cell-Implantable direct energy converter (baboons)
- ** NO1HB-42969-01 Interactions of natural and chemically modified biopolymers with blood (dogs)
- NO1HB-42979-02 Vena cava ring tests of biomaterials in dogs
- ** RO1HD-03752-05 0011 Mammalian reproduction - Cultured ovaries implanted in kidneys of ovariectomized mice
- PO1HD-05671-03 0004 Center for population research - Antifertility effect of interuterine devices (human)
- ** PO1HD-05671-03 0006 Center for population research - Contraceptive silastic devices (rats, monkeys)
- PO1HD-06576-01 0006 Molecular aspects of mental retardation - The phenylalanine hydroxylase gene-Cell culture and somatic hybridization (rats)
- RO1HD-07138-02 Cortical steroid regulation of muscle development (chick embryo)
- RO1HD-07351-02 Determinants of sexual performance in the rat
- ** RO1HD-07849-02 Assay of tissue reaction to implanted materials (hamsters)
- ** NO1HD-12223-06 Develop and test a reversible contraceptive device (guinea pigs)
- ** NO1HD-12229-03 Develop implantable contraceptive devices (mammals nonhuman)
- NO1HD-12233-02 Develop intra-uterine sterilization system for the female (primates, human)
- NO1HD-22796-02 A reversible vas-occluding prosthesis (rabbits)
- RO1HL-03444-16 0007 Alterations of arterial tissue in atherosclerosis - Aortic homografts in canine atherosclerosis
- RO1HL-03444-16 0008 Alterations of arterial tissue in atherosclerosis - Fate of autogenous abdominal aortic grafts (dogs)
- RO1HL-03444-16 0011 Alterations of arterial tissue in atherosclerosis - Fate of homologous thoracic grafts in experimental atherosclerosis (dogs)
- RO1HL-04651-15 Remote stimulation by radio-frequency transmission (dogs, human)
- PO1HL-09251-10 0004 Implantable artificial circulatory pumping systems - Biomaterials (human, animals)
- ** RO1HL-13658-03 Stand-by automatic implanted defibrillation system (dogs)
- RO1HL-13988-04 Elimination of reoperative cardiac pacemaker surgery (dogs)
- P17HL-14179-04 0010 Center for the study of lung disease - Electrophoretic respiration (human)
- ** RO1HL-15247-02 Extending the life of implanted pacemakers (dogs)
- ** RO1HL-15439-02 Minimally-invasive stimulation with implanted diode (dogs)
- RO1HL-15787-02 Hemodynamics at branchpoints studied with ultrasound (swine, dogs)
- ** RO1HL-16182-01 Xylocaine-Chronic infusion and toxicity (dogs)
- ** RO1HL-17281-01 Heart-powered implantable pacemaker (animals, dogs)
- ** NO1HV-12035-12 devices Fabrication of implantable artificial heart devices
- NO1HV-12065-09 devices Fabrication of implantable artificial heart devices
- NO1HV-32966-02 Development and evaluation of artificial heart (cattle)
- NO1HV-42907-00 Develop energy system for artificial heart
- NO1HV-42909-00 Development of an energy system for implantable circulatory assist devices
- NO1HV-60982-13 Effects of additional endogenous heat (dogs, monkeys, cattle)
- RO1HM-05286-12 0001 Psychophysiology of perception - Evoked potentials from the surface and depth of the human brain
- PO1MS-06208-09 0014 Epilepsy research program - Cerebral sensory evoked potentials related to epilepsy (cats, monkeys)
- PO1MS-07226-06 0011 Neurosensory interdisciplinary research program - Intracranial pressure monitor (monkey, cats)
- PO1MS-07377-05 0004 Clinical head injury research - Development of transducers and other instrumentation
- PO1MS-07938-06 0012 Peripheral and central nervous system - Ultrastructure (gastropods, anurans, lagomorphs, decapods, cats)
- RO1MS-10797-01 Magnetically coupled drive of ear (human, rats)
- RO1MS-11804-01 Intracochlear stimulation and prosthesis (human, cats)
- ** MO1RR-00030-13 0007 General clinical research center - Extrapyramidal disorders and focal epilepsy with electrode implants (human)
- ** MO1RR-00030-13 0067 General clinical research center - Spinal cord stimulation with implanted electrodes (human)
- MO1RR-00125-11 0120 General clinical research center-adult-child - Remote stimulation by radiofrequency transmission
- ** MO1RR-00210-10 0006 General clinical research center-Maternal-child - Development of implantable oxygen and carbon dioxide sensors (dogs, human)
- ** PO7RR-00273-09 0006 Mass spectrometric facility for biomedical research - Malfunction of cardiac valve
- MO1RR-00287-08 0023 General clinical research center - Trace metals and enzymes in healing wounds (human)
- MO1RR-00714-02 0014 General clinical research center - Artificial eye project-implanting electrodes to project images (human)
- ** MO1RR-00833-01 0030 General clinical research center - Implantation of autologous human marrow
- PO7RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory
- TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT COMPATIBILITY**
- ** RO1AI-09588-03 Anterior chamber implants and transplantation immunology (rabbits, rats)
- PO2AM-13083-06 0015 Organ transplantation - Development of arterio-venous shunts for pediatric hemodialyses (human)
- ** RO1AM-14737-04 Influence of low modulus elasticity implant on healing (goat)
- RO1AM-15478-03 Fixation of fractures with pyrolytic carbon plates (dogs)
- ** RO1AM-16067-03 Hydrophilic methacrylates as self-locking implants (dogs, rabbits)
- ** PO1AM-16120-03 0001 Development of total joint replacements - Mechanics of total joint replacement (human, rabbits)
- ** PO1AM-16120-03 0002 Development of total joint replacements - The materials program (dogs, rabbits)
- RO1AM-16485-03 Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats)
- ** RO1AM-17150-01 TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys)
- RO1AM-17610-01 Isotopic inert indicator for intestinal absorption (mice, dogs, human)
- NO1AM-22222-02 New concepts in blood access devices (sheep)
- NO1AM-80977-15 Anti-thrombogenic surfaces study (monkeys)
- ** PO1CA-08748-09 5933 Research program of Sloan-Kettering Institute - Prolong graft survival with blocking antibodies (dogs)
- RO1CA-10712-07 Foreign body tumorigenesis (mice)
- PO1CA-12093-04 0002 Immunobiology of cancer - Gnotobiotic isolation systems for immune deficient infants
- ** PO1CA-14043-01 0003 Radiation therapy clinical and research center - Experimental check of Paterson-Parker rules
- NO1DA-40219-00 Sustained release delivery systems for narcotic antagonists (mice)
- ** PO1DE-02918-06 0010 Oral-facial growth and development in primates - Nonbiologic implant support for overdentures
- ** R23DE-03690-02 Materials testing of polymer replica dental implants
- ** RO1DE-03802-01 Nonbiologic implant support for overdentures (monkeys)
- NO1DE-71476-10 Reimplantation of baboon teeth
- RO1EY-01121-01 The afferent arc of corneal immunologic reaction (rabbits)
- PO1GM-14267-09 0001 Microelectronics laboratory for biomedical science - Microelectronics instrumentation (animals)
- PO1GM-14267-09 0003 Microelectronics laboratory for biomedical science - Medical transducers
- ** PO1GM-14267-09 0009 Microelectronics laboratory for biomedical science - Materials for transducers and implant package
- PO1GM-14267-09 0013 Microelectronics laboratory for biomedical science - Noninvasive monitoring
- RO1GM-19664-01 Glass-elastomer composite biomaterials
- PO1GM-20309-02 0003 Acute trauma study center - Construction and evaluation of new vein substitute TFE (dogs, human)
- ** RO1GM-20980-01 Thrombotic complication of catheter angiography (dogs)
- M PO1GM-21056-01 Interfacial behavior of biomaterials
- ** PO1GM-21056-01 0002 Interfacial behavior of biomaterials - Materials-metabolite interactions
- ** PO1GM-21056-01 0004 Interfacial behavior of biomaterials - Tissue culture evaluation of normal and malignant cells
- ** PO1GM-21056-01 0012 Interfacial behavior of biomaterials - Middle ear prostheses (monkeys, human)
- ** PO1GM-21056-01 0014 Interfacial behavior of biomaterials - Electrical analgesia electrodes (monkeys)
- NO1HB-12017-07 Fabrication of grafted hydrogel coatings for plastic heart assist devices
- NO1HB-12054-08 Development of intimal linings (human, cattle)
- NO1HB-32912-01 Development of polymer fibers
- ** NO1HB-32914-03 Development of blood and tissue compatible materials
- NO1HB-32918-02 Material development and testing - heparinization processes (rabbits, dogs)
- ** NO1HB-32919-03 Material development and testing - heparinization processes
- ** NO1HB-32936-04 Accumulation, toxicity and metabolism of common plasticizers in humans
- ** NO1HB-32950-02 Blood compatible poly-electrolytes
- ** NO1HB-32953-02 Materials compatible with blood (dogs)
- NO1HB-32959-02 Development of biomaterials
- ** NO1HB-81427-09 Effects of materials on blood (dogs)
- PO1HD-05671-03 0039 Center for population research - Diffusion of steroids from silastic devices (rats)
- PO1HD-05671-03 0047 Center for population research - Comparative study of copper T and lippos loop (human)
- ** PO1HD-06645-03 0029 Center for population research - Action of IUCD and ovulation (human, mice)
- NO1HD-22769-03 Development of evaluation of a reversible vasectomy prosthesis
- NO1HD-42802-00 Development and evaluation of a biodegradable drug delivery system
- RO1HL-12161-07 POD catheter research-Engineering support (human, dogs)
- RO1HL-13426-04 Left ventricular bypass for myocardial infarction (cattle)
- RO1HL-13704-02 Closed-chest left heart bypass without heparin (sheep)
- ** RO1HL-13712-02 Promotion of a viable antithrombogenic interface (dogs)
- PO1HL-13737-04 0026 Assisted circulation - Hemostatic mechanism (human, dogs)
- PO1HL-13737-04 0029 Assisted circulation - Chronic left ventricular failure (human)
- PO1HL-13737-04 0032 Assisted circulation - The dynamic aortic patch (human, dogs)
- ** PO1HL-13738-03 0008 Cardiac assist devices and artificial hearts - Pulse-echo ultrasound (sheep)
- RO1HL-13803-04 Development of a trileaflet aortic valve prosthesis (baboons, human)
- ** RO1HL-13999-02 Integrated heart valve implant investigation (dogs, human)
- ** PO1HL-14322-03 0001 Interdisciplinary program in biomaterials science - Thrombo-resistant biomaterials
- ** PO1HL-14322-03 0002 Interdisciplinary program in biomaterials science - Blood-surface interactions (mammals)
- ** PO1HL-14322-03 0003 Interdisciplinary program in biomaterials science - Thromboresistant materials (mammals)
- ** PO1HL-14322-03 0005 Interdisciplinary program in biomaterials science - Methods to accelerate biologic interface development
- ** PO1HL-14322-03 0009 Interdisciplinary program in biomaterials science - Molecular design and clinical application of collagen-gelatin composite material

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- RO1HL-14733-02 Artificial heart and related problems (cattle)
- RO1HL-14786-03 Polyurethane ionomers for biomedical applications (dogs)
- M PO1HL-15195-01 Program project in biological materials
- ** PO1HL-15195-01 0001 Program project in biological materials - Design and synthesis
- ** PO1HL-15195-01 0002 Program project in biological materials - Structural and surface characterization
- PO1HL-15195-01 0003 Program project in biological materials - Mechanical evaluation and fabrication
- PO1HL-15195-01 0004 Program project in biological materials - Biological evaluation and surface interaction studies (animals)
- RO1HL-15257-02 Attainment of optimal healing of arterial prosthesis (baboon, dogs, human)
- RO1HL-15668-02 0001 Extracorporeal respiratory gas exchange-New approach - Extracorporeal respiratory gas exchange (dogs)
- ** RO1HL-15668-02 0002 Extracorporeal respiratory gas exchange-New approach - New membrane technology for extracorporeal lung devices (dogs)
- RO1HL-15668-02 0003 Extracorporeal respiratory gas exchange-New approach - Long term continuous in vivo blood gas analysis (dogs)
- ** RO1HL-15919-01 Blood protein interactions at foreign surfaces
- RO1HL-16269-01 Prolonged pulseless total body perfusion (calves)
- RO1HL-16389-01 Development of prosthetic heart valves for children (monkeys, dogs)
- RO1HL-16898-01 Biofeasibility of total prosthetic lung replacement (degs, sheep)
- ** RO1HL-16921-01 Synthetic hydrogels as blood tolerable materials (rabbits)
- RO1HL-17692-01 A heart-powered miniature implantable pacemaker (dogs, chimpanzees, rabbits)
- NO1HV-32930-02 Development of Stirling cycle energy conversion
- ** NO1HV-42914-00 Solenoid left ventricular assist system
- PO1NS-03346-13 0015 Research center for cerebrovascular disease - Anoxia-ischemia (monkey)
- ** MO1RR-00037-14 0139 General clinical research center - Porous polyurethane for peritoneal dialysis catheters (human)
- PO7RR-00857-01 0001 Biomedical electronics resource - Microelectronics laboratory

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIBODIES

- SEE ALSO BLOOD GROUPS ISOANTIBODIES
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA
- RO1AI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
- PO1AI-07007-09 0011 Immunopathologic studies - Complement enzyme studies (human, mice)
- ** RO1AI-08074-07 Immunological enhancement of renal allografts (rats, rabbits)
- RO1AI-08897-06 Immunologic study of human HLA and mouse H-2 antigens (rabbits, rodents)
- RO1AI-09657-14 Antibody formation and transplantation immunology (mice)
- RO1AI-10088-04 Transplantation immunogenetics and cancer (human, mice)
- RO1AI-10679-03 Comparative transplantation immunogenetics (sharks, turtles)
- RO1AI-11330-02 Immunosuppression of idiopathic specificities (mice, rabbits)
- ** RO1AI-11907-01 Immunobiochemical studies of transplantation antigens (rabbits)
- MO1AI-42508-00 Obtain HL-A sera and improve histocompatibility technology (human)
- RO1AM-07055-12 Tissue specificity (mice, rats)
- ** RO1AM-08054-11 Immunological studies of tissue alloantigens (human, primates)
- PO2AM-13083-06 0072 Organ transplantation - Studies in tissue typing and matching
- RO1AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
- RO1AM-16522-10 Characterization of homograft reactions (mice, guinea pigs)
- RO1AM-16804-01 Anti-vascular endothelium antibody in transplantation (human)
- RO1AM-17317-10 Humoral antibodies accompanying homografts (human, rabbits, rats, mice)
- RO1CA-01594-23 Immunology of cancer (mice)
- RO1CA-07973-09 Role of transplantation antigens in malignant cells (mice)
- RO1CA-08627-08 Antigenic changes in mouse leukemogenesis (mice, rabbits)
- RO1CA-10129-08 Immunological enhancement of sarcoma I tumor cells (mice)
- PO2CA-10895-06 0006 Adult leukemia research center - Platelet and bleeding studies (human)
- RO1CA-12844-03 Controls of proliferation specific for leukemias (mice)
- PO1CA-14195-01 0022 Core grant-Regulation, the cell membrane and cancer - Modification of response of T and B cells to TSA
- RO1CA-14694-02 An immunologic approach to trophoblastic neoplasia (human)

- RO1CA-14986-01 Inhibitors of normal and malignant lymphoid tissue
- RO1CA-15318-01 Neutrophil-specific antigen (human)
- RO1CA-16164-07 Anti-tumor immunity in agammaglobulinemic inbred fowl (chickens)
- ** PO1CA-16359-01 0035 Cancer center support grant - Effects of chronic graft-versus-host disease (mice)
- PO1GM-06965-15 0043 Basic experimental biology - Variable heavy chains region genetic markers (rabbits)
- RO1HD-00630-11 New experimental methods of teratogenesis (rats, monkeys)
- RO1HD-01287-12 Fetal-maternal immunological interactions (mice)
- ** RO1HD-07642-01 Aging and immune response to transplants and tumors (mice)
- RO1HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
- ** PO1HL-13108-05 0050 Clinical heart transplantation - Recipient sera and the presence of allograft directed antibodies (human)
- RO1HL-13572-03 Cellular and humoral reactions in transplantation (rabbits)
- RO1HL-14267-04 Evaluation of rejection of cardiac transplants (dogs, mice)
- RO1HL-15246-01 Lung allotransplantation (baboon)

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS

- SEE ALSO BLOOD GROUPS ANTIGENS
SEE ALSO GLOBULINS, GLOBULIN FACTORS
- RO1AI-01254-18 Cellular immune response-Nature of transfer factor (human, mice)
- RO1AI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
- ** RO1AI-04342-13 Chemistry and immunology of streptococcal antigens (mice, human)
- PO1AI-04606-11 Immunological procedures for allograft survival (dogs, rats, monkeys)
- PO1AI-05877-11 Reactions and metabolism of immune proteins and cells (human, mice)
- ** PO2AI-06320-10 0001 Transplantation immunology center - Advantages of using blood processed by freezing
- PO2AI-06320-10 0002 Transplantation immunology center - Tissue typing (human)
- PO2AI-06320-10 0006 Transplantation immunology center - Treatment of Storage Disease* with lymphoid and bone marrow infusions (human)
- PO2AI-06320-10 0011 Transplantation immunology center - Immunogenetic studies in mice
- ** RO1AI-06525-10 The histocompatibility antigens of the mouse
- PO1AI-07007-09 0002 Immunopathologic studies - Tumor immunology, cellular immunology
- ** PO1AI-07007-09 0015 Immunopathologic studies - H-2 antigens (mice)
- RO1AI-07118-09 Biochemical basis of delayed hypersensitivity (guinea pigs)
- ** RO1AI-07289-09 Chemical studies on histocompatibility antigens (mice)
- RO1AI-07423-08 Graft-versus-host reaction as an immune response (rats, guinea pigs)
- ** RO1AI-07437-08 Immunity and tolerance to transplantation antigens (dogs, mice)
- RO1AI-07757-08 Genetic control of the immune response (mice, human)
- RO1AI-07970-08 Comparative transplantation immunogenetics (mice, hagfish)
- ** RO1AI-08439-07 Genetic factors in transplant survivals (human)
- ** RO1AI-08897-06 Immunologic study of human HLA and mouse H-2 antigens (rabbits, rodents)
- RO1AI-08899-06 Immunobiological studies with cultured human lymphocytes
- RO1AI-09017-06 Membrane glycoproteins of platelets and leukocytes (human)
- RO1AI-09077-05 Reticuloendothelial function in health and infection (human)
- RO1AI-09275-05 The lymphocyte and cellular immunity (rats, mice)
- RO1AI-09293-14 Surface leukocyte antigens and skin grafts (human)
- RO1AI-09657-14 Antibody formation and transplantation immunology (mice)
- RO1AI-09807-05 Cellular basis of delayed type hypersensitivity (human, rodents)
- RO1AI-09988-04 Histocompatibility studies in inbred rabbits
- RO1AI-10035-04 Lymphocyte depletion for immunosuppression (cattle, sheep)
- ** RO1AI-10088-04 Transplantation immunogenetics and cancer (human, mice)
- ** RO1AI-10136-03 Pathology and pathogenesis of host versus graft disease (mice)
- ** RO1AI-10180-04 Biologic properties and chemical structure of HL-A antigens
- RO1AI-10265-03 Synthetic tumor antigens (rabbits, rats, mice)
- ** RO1AI-10290-03 The ultrastructural relation of H-2 isoantigens (mice)
- ** RO1AI-10593-03 Characterization of human non-HL-A leukocyte antigens
- PO1AI-10702-03 0001 Cell biology of lymphoid cells - Somatic cell genetics (human, mice, viruses)
- ** PO1AI-10702-03 0002 Cell biology of lymphoid cells - Cell replication, immunoglobulins, transplantation antigens (human, mice)
- ** RO1AI-10736-01 Structure and biosynthesis of HL-A determinants (mice, rabbits)
- ** RO1AI-10824-03 Graft immunogenicity and its modification (mice, rats)
- ** RO1AI-10904-03 Immunological enhancement of normal tissue in the mouse
- RO1AI-10961-02 Immunologic aspects of aging and neoplasia (rats)
- RO1AI-11013-01 In vitro study of human allograft immunity
- RO1AI-11051-01 Biology of tissue and organ transplantation (mice, rats)
- RO1AI-11074-02 Mechanisms of histocompatibility-linked Ir genes (mice, guinea pigs, human)
- ** RO1AI-11164-02 Biosynthesis of immunoglobulins (mice)
- ** RO1AI-11175-01 Regulation of graft versus host reactions (rats)
- PO1AI-11313-02 0001 Humoral, cellular and genetic mechanisms in autoimmunity - Information handling in clinical research (human)
- PO1AI-11313-02 0005 Humoral, cellular and genetic mechanisms in autoimmunity - Histocompatibility-linked immune response genes in man
- PO1AI-11313-02 0006 Humoral, cellular and genetic mechanisms in autoimmunity - Correlation of histocompatibility, immune response, and susceptibility (human)
- ** PO1AI-11313-02 0008 Humoral, cellular and genetic mechanisms in autoimmunity - Soluble transplantation antigens in allogeneic bone marrow transplantation (mice)
- RO1AI-11330-02 Immunosuppression of idiopathic specificities (mice, rabbits)
- RO1AI-11335-03 Urinary protein components diagnostic and theoretical studies (human, dogs)
- ** RO1AI-11388-03 Myeloma proteins, immunochemistry and immunobiology (human)
- PO1AI-11576-02 0001 Lymphocyte biology - In vitro studies of cellular immunity (human, mice)
- PO1AI-11576-02 0002 Lymphocyte biology - Lymphocyte membranes (mice)
- ** RO1AI-11650-01 Immunology and genetics of the H-2 system (mice)
- RO1AI-11752-01 Immune response of allophenic mice
- ** RO1AI-11851-01 0002 Biology and biochemistry of lymphocyte surface - Thy-1 (mice)
- ** PO1AI-11851-01 0008 Biology and biochemistry of lymphocyte surface - Alloantigens (mice)
- ** RO1AI-11907-01 Immunobiochemical studies of transplantation antigens (rabbits)
- ** RO1AI-11956-01 Comparison of histocompatibility antigens (rats)
- ** RO1AI-11962-01 Genetics of H-2(Ir)-controlled T-lymphocyte antigens (mice)
- ** RO1AI-11982-01 Serological analysis of epidermal cell antigens (mice, rats, guinea pigs)
- RO1AI-12136-01 Beta 2-microglobulin on the surface of lymphocytes (mice)
- ** RO1AI-12155-01 Histocompatibility antigens in a black population (human)
- RO1AI-12176-01 F1 Hybrid lymphocyte stimulation by parental cells
- RO1AI-12184-01 T cells subpopulations in transplantation immunity (mice, rabbits)
- ** RO1AI-12468-01 Naturally occurring delayed-type iso-hypersensitivity (mice, guinea pigs)
- ** NO1AI-42557-00 Production of HL-A xenoserum
- NO1AI-81298-10 Human tissue typing center
- ** RO1AM-02375-16 HL-A antigens in diseases (human)
- RO1AM-04826-14 Abnormal proteins in the pathogenesis of disease (human, aspergillus)
- RO1AM-07055-12 Tissue specificity (mice, rats)
- RO1AM-07642-11 Long acting thyroid stimulator (human)
- RO1AM-07937-12 Immunosuppression (mice)
- ** RO1AM-08054-11 Immunological studies of tissue alloantigens (human, primates)
- ** RO1AM-11202-08 Chemistry of transplantation antigens (mice)
- RO1AM-12458-07 Regulatory control of lymphocyte differentiation (rats, rabbits)
- PO2AM-13083-06 0072 Organ transplantation - Studies in tissue typing and matching
- PO1AM-13084-10 0001 Clinical homotransplantation of tissues and organs - Surgery and the program as a whole (human)
- PO1AM-13084-10 0002 Clinical homotransplantation of tissues and organs - Study of immunology (human)
- PO1AM-13084-10 0003 Clinical homotransplantation of tissues and organs - Pathology (human, dogs)
- RO1AM-13824-05 0001 Interactions of cellular and humeral immunity - Peripheral lymphocytes in connective tissue disease (human, monkeys, rabbits)
- RO1AM-13969-06 Factors controlling graft-host interactions (mice)
- ** RO1AM-14218-05 Donor selection in clinical organ transplantation (human)

(contd)

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M Grant has subprojects describing specific research aspects.

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- ** R01AM-15267-03 Evaluation of the mixed skin cell-leucocytes reaction (human)
- ** R01AM-15323-04 Antibody-mediated protection or damage to organ grafts (human, rats, sheep)
- R01AM-15494-03 Lymphocytotoxins in systemic lupus erythematosus (human)
- R01AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
- R01AM-16011-03 Immunologic adaptation to human renal allografts (human)
- M R01AM-16572-02 The heterophile system in renal transplantation
- ** R01AM-16572-02 0001 The heterophile system in renal transplantation - Extent of natural pre-sensitization to antigens in population (human, rats, sheep)
- ** R01AM-16572-02 0002 The heterophile system in renal transplantation - Isolation of antigen from various tissues and bacteria (human, rats)
- ** R01AM-16572-02 0003 The heterophile system in renal transplantation - Distribution of antigen in kidney, other tissue, bacteria (human, mammals, birds)
- ** R01AM-16572-02 0004 The heterophile system in renal transplantation - Presence of antigen prior to transplantation, effect on kidney transplant (human)
- ** R01AM-16572-02 0005 The heterophile system in renal transplantation - Determination of antigen as intrinsic to kidney or on bacteria in kidney (human)
- R01AM-16572-02 0006 The heterophile system in renal transplantation - Serologic diagnosis of rejection (human)
- R01AM-16872-01 0001 Immunopathology of chronic renal failure - Effects of chronic uremia on cell mediated immune response (rats)
- M P01AM-16944-01 Renal disease and allograft effects of Streptococci
- ** P01AM-16944-01 0001 Renal disease and allograft effects of Streptococci - Nephrogenicity of streptococcal fractions and their antisera (monkeys)
- ** P01AM-16944-01 0002 Renal disease and allograft effects of Streptococci - Renal transplantation (dogs, Streptococcal antigens)
- ** P01AM-16944-01 0003 Renal disease and allograft effects of Streptococci - Skin grafts (mice, Streptococcal antigens)
- ** P01AM-16944-01 0004 Renal disease and allograft effects of Streptococci - HL-A in glomerulonephritis and rheumatic heart disease (human)
- ** P01AM-16944-01 0007 Renal disease and allograft effects of Streptococci - Induction of allograft sensitivity with streptococcal fractions (dogs)
- R01AM-17158-01 The mixed lymphocyte culture and kidney graft survival
- R01AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- R01AM-17317-10 Humoral antibodies accompanying homografts (human, rabbits, rats, mice)
- R01CA-01594-23 Immunology of cancer (mice)
- R01CA-02918-18 Symptomatic hemolytic anemia in malignant disease (human)
- R01CA-04681-15 Genetic studies with mammalian cells (mice)
- R01CA-05660-14 The maternal-fetal allograft relation (mice)
- ** R01CA-07973-09 Role of transplantation antigens in malignant cells (mice)
- ** R01CA-08627-08 Antigenic changes in mouse leukemogenesis (mice, rabbits)
- R01CA-08731-09 Viral carcinogenesis with special reference to SV40
- ** P01CA-08748-09 5927 Research program of Sloan-Kettering Institute - HL-A antigens in women with trophoblastic neoplasms
- ** P01CA-08748-09 6809 Research program of Sloan-Kettering Institute - Isolating and characterizing antigenic cell surface components (mice)
- P01CA-08748-09 7419 Research program of Sloan-Kettering Institute - Cytogenetic and transplantation studies on neuroblastoma cell lines (human)
- R01CA-08975-08 Effect of tumor virus on antigen constitution of cells (monkeys, human)
- R01CA-10018-08 Transplantation disease and leukemia (mice, viruses)
- R01CA-10097-07 Cellular antigens of normal and malignant rat tissues
- ** R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- R01CA-10267-08 Immunological lysis in neoplastic disease (human)
- ** P02CA-10438-08 0032 Clinical radiation therapy research center - Immunogenetics of human leukemias
- P02CA-10438-08 0034 Clinical radiation therapy research center - Immunoprotection with attenuated mouse tumor cells (mice)
- ** P01CA-10815-06 0002 Consolidated basic cancer research program - Purify mouse histocompatibility antigens
- ** P01CA-10815-06 0003 Consolidated basic cancer research program - Define specific major and minor histocompatibility antigens (rats)
- ** P01CA-10815-06 0004 Consolidated basic cancer research program - Dynamics of specific histocompatibility antigen expression (mammals)
- ** P01CA-10815-06 0005 Consolidated basic cancer research program - Maternal-fetal histocompatibility antigen (mammals)
- ** P01CA-10815-06 0007 Consolidated basic cancer research program - Characterize antigens of virus transformed cells (human, laboratory animals)
- ** P01CA-10815-06 0009 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncoviruses (mice)
- ** P01CA-10815-06 0011 Consolidated basic cancer research program - Cell-free SV40-induced transplantation antigen (hamsters)
- ** P01CA-10815-06 0013 Consolidated basic cancer research program - Primary response to transplantation antigens (laboratory animals)
- P01CA-10815-06 0014 Consolidated basic cancer research program - Techniques to enrich or deplete lymphocyte populations (laboratory animals)
- P01CA-10815-06 0015 Consolidated basic cancer research program - Cell division as related to humoral and cellular immune response (mammals)
- P01CA-10815-06 0027 Consolidated basic cancer research program - Functions of viral genome in SV40 transformed cells (human, monkeys)
- P02CA-11067-05 0016 Clinical cancer research center - Adoptive immunotherapy in patients with advanced cancer
- R01CA-11634-05 Regulation of immunity (mice)
- R01CA-12109-04 0008 Trophoblastic disease - HL-A markers in chorionepithelioma
- ** R01CA-12109-04 0009 Trophoblastic disease - Lymphocytotoxic antibodies toward HL-A antigens (human)
- P02CA-12247-03 0003 Pediatric oncology center - Platelet kinetics (human)
- ** P02CA-12247-03 0020 Pediatric oncology center - HL-A antigens in acute leukemia (human)
- ** R01CA-12779-02 Leucocyte regulatory mechanisms (human, mice, rats)
- P01CA-12800-03 0007 Immune functions and cancer - Humoral and immune cell interrelations (human, mice, rats)
- R01CA-12844-03 Controls of proliferation specific for leukemias (mice)
- ** P02CA-12924-03 0035 Tufts cancer research center - Nature of virus specific transplantation antigen
- ** P01CA-13038-03 0075 Experimental therapeutics and cancer drug program - Antibody response of mouse spleen cells against cell surface alloantigens
- R01CA-13306-02 Early diagnosis of cancer and of cancer metastases (human)
- P01CA-13330-03 0018 Cancer research program - Murine normal lymphoid and tumor cells
- R01CA-13339-02 Host defenses against lymphoblastic leukemia (human, mice)
- ** R01CA-13678-02 Blood group substances and gastrointestinal neoplasia (human)
- R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
- ** R01CA-13955-02 Antigen and surface charge properties of blood cells (human)
- R01CA-14036-02 Lymphopoiesis, reticulum cell hyperplasia, and genes
- ** R01CA-14061-02 Chicken lymphocyte alloantigens and viral oncogenesis
- ** R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
- ** P01CA-14195-01 0010 Core grant-Regulation, the cell membrane and cancer - Regulation and function of cell surface antigens (mice)
- P01CA-14195-01 0015 Core grant-Regulation, the cell membrane and cancer - Topography of normal, embryonic and neoplastic cell surfaces (mice, hamsters)
- P01CA-14195-01 0022 Core grant-Regulation, the cell membrane and cancer - Modification of response of T and B cells to TSA
- R01CA-14216-02 Characterization of lymphoid populations in oncogenesis (mice)
- R01CA-14351-01 Normal and leukemic lymphocyte surface glycoproteins
- R01CA-14364-02 Selective stimulation of cell mediated cancer immunity (mice, guinea pigs)
- R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
- R01CA-14694-02 An immunologic approach to trophoblastic neoplasia (human)
- P01CA-14723-02 0002 Experimental cancer immunology - Cytolysis of malignant target cells (mice)
- P01CA-14723-02 0004 Experimental cancer immunology - Non-specific augmentation of tumor-specific immunity (rats, mice, hamsters)
- P01CA-14723-02 0006 Experimental cancer immunology - Macromolecules on cell surfaces (mice)
- R01CA-14922-01 Transplantation and genetic expression (mice)
- R01CA-14985-02 5-Bromo-deoxyuridine effects on marrow and tumor cells (mice, rats)
- R01CA-14986-01 Inhibitors of normal and malignant lymphoid tissue
- P02CA-15145-01 0004 Cancer center support grant - Immunologic approach to trophoblastic disease
- P02CA-15145-01 0047 Cancer center support grant - Isolation and properties of a sarcoma virus receptor (chickens)
- ** R01CA-15306-01 Mechanisms of immunosuppression of murine myeloma
- ** R01CA-15318-01 Neutrophil-specific antigen (human)
- R01CA-15600-01 Viral and other antigens of murine plasmacytomas
- ** P01CA-15655-01 0003 Cancer center support grant - Experimental manipulation of tumor immunity (mice)
- P01CA-15704-01 0002 Cancer center support grant - Biochemical oncology
- P01CA-15822-01 0001 Immunobiology of normal and neoplastic lymphocytes - Immunobiology of T lymphocytes (rats)
- ** R01CA-16071-01 Double HL-A antigens in sera of cancer patients
- P01CA-16127-01 0005 Cancer Research and Treatment Center Program - Hereditary antigenic determinants in monoclonal proteins (human)
- R01CA-16164-07 Anti-tumor immunity in agammaglobulinemic inbred fowl (chickens)
- P01CA-16359-01 0004 Cancer center support grant - Genetic control of cell membrane antigen expression
- P01CA-16359-01 0025 Cancer center support grant - Suppressor thymus lymphocytes
- ** P01CA-16359-01 0035 Cancer center support grant - Effects of chronic graft-versus-host disease (mice)
- R01CA-17089-01 Early diagnosis of cancer and of cancer metastases (human)
- ** N01CB-23878-03 Immune responses of mice and rats to tumor associated antigens (also hamsters)
- N01CB-33870-01 Effector mechanisms in tumor associated immune reactions (mice, human)
- N01CB-43872-00 Immunological stimulant properties of amphotericin B
- ** N01CB-43922-00 Organization and dynamics of cell surface membrane components
- ** N01CB-43924-00 Detection of antigen-binding activity of transplantable T-cell tumors
- ** N01CM-02035-05 Iso-antigen typing of mouse strains and tumors
- ** N01CP-33250-03 Isolation and characterization of transplantation antigens (human, hamsters)
- ** N01CP-43241-00 Virus-induced tumor specific transplantation antigens (mice)
- ** N01CP-92014-07 Virus-induced tumor specific transplantation antigens (mice)
- ** N01CP-92061-10 Tumor-specified transplantation antigens in solid tumors (human, mammals)
- R01DE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
- P01DE-03568-01 0005 Craniofacial anomalies-etiology and treatment - Immunogenic studies of etiology
- R01DE-03569-02 Intercellular communication during tooth formation (mice)
- R23DE-03710-02 Lymphocyte-mediated cytotoxicity (rats)
- R01EY-00254-10 Auto and iso-immune response to ocular tissues (guinea pigs)
- ** R01EY-01302-01 The role of HL-A antigens in corneal transplantation (human)
- R01EY-01395-01 Prolongation of cornea allograft survival by antibody (rabbits, rats)
- ** P01GM-06965-15 0048 Basic experimental biology - An analysis of transplantation antigens in mice
- ** R01GM-10356-11 Immunogenetics of man (and rabbits, mice)
- ** R01GM-14650-08 Genetics of human tissue antigens (human)
- ** P01GM-15419-07 0005 Cellular and biochemical genetics - Mouse histocompatibility antigens
- ** P01GM-15419-07 0007 Cellular and biochemical genetics - Genetics of histocompatibility antigens
- R01GM-15883-10 Genetic structure and function in human cells
- R01GM-17367-05 Automated cell sorting-Clinical and biological uses (human, mammals nonhuman)
- R01GM-18350-04 Immunobiology of the laboratory rabbit
- R01GM-20069-02 Genetic control of protein structure and synthesis (human, mammals)
- ** N01HB-12408-03 Histocompatibility antigen-poor blood (human)
- ** N01HB-12409-06 Histocompatibility antigen poor blood (human)
- ** R01HD-01287-12 Fetal-maternal immunological interactions (mice)
- ** R01HD-03939-06 Human fetal-placental-maternal interaction
- P01HD-05523-04 0005 Analysis of genetic effects on aging - Life span shortening effects of mutant alleles at the W locus (mice)
- ** P01HD-05894-04 0005 Genetic childhood diseases and aging - HL-A antigens, immunologic response and disease (infants)
- P01HD-05894-04 0018 Genetic childhood diseases and aging - Cellular immune deficiency as possible cause of aging (human, mice)
- ** R01HD-06737-03 Antigenicity of the mouse serum and early embryo

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(cont'd)

- ** PO1HD-07328-01 0003** Experimental and theoretical studies of cell senescence - Immunochemical investigation of time dependant changes (WI-38)
- RO1HL-08145-01** Immunogenetics of aging in man
- ** RO1HL-01623-23** Antigenes related to graft rejection (rabbits, rats)
- RO1HL-03365-17** Leukocyte antigens and antibodies (human)
- RO1HL-03919-16** The cell surface of streptococci
- RO1HL-06163-13** Heart transplantation (dogs)
- ** PO1HL-06370-13 0001** Cardiopulmonary and renal pathology research center - Renal disease and renal allograft rejection (human, monkeys)
- PO1HL-06664-13 0031** Cardiopulmonary function in remediable vascular disease - Tissue transplantation and preservation techniques in vascular surgery (rat, dog)
- M PO1HL-13108-05** Clinical heart transplantation
- PO1HL-13108-05 0003** Clinical heart transplantation - Diagnosis of rejection (human)
- PO1HL-13108-05 0037** Clinical heart transplantation - Lipoproteins in the pathogenesis of atherosclerosis in transplanted human heart
- ** PO1HL-13108-05 0038** Clinical heart transplantation - Frequency of lipoprotein antigen in donors and recipients (human)
- ** PO1HL-13108-05 0039** Clinical heart transplantation - Lipoprotein antigen in the post transplant period (human)
- ** PO1HL-13108-05 0040** Clinical heart transplantation - Serial changes in lipoprotein antigen titer in myocardial infarct (human)
- ** PO1HL-13108-05 0041** Clinical heart transplantation - Further characterization of lipoprotein antigen (human)
- ** PO1HL-13108-05 0042** Clinical heart transplantation - Electrophoretic properties of lipoprotein antigen (human)
- ** PO1HL-13108-05 0043** Clinical heart transplantation - Immunochemical characterization of lipoprotein antigen (human)
- PO1HL-13108-05 0049** Clinical heart transplantation - Lipoprotein origin in the transplanted heart (human)
- RO1HL-13572-03** Cellular and humoral reactions in transplantation (rabbits)
- RO1HL-13629-05** Hemorrhagic diseases (human, rats, dogs)
- RO1HL-16119-01** Marrow allografts in hereditarily anemic recipients (mice)
- R23HL-17136-01** Isoproterenol binding to lymphocytes of asthmatics
- ** PO1NS-11417-01 0011** Core program project in communicative disorders - Neonatal tolerance and antigenic maturation (dogs)
- PO1NS-11417-01 0012** Core program project in communicative disorders - Canine immune responses
- PO1NS-11417-01 0013** Core program project in communicative disorders - Mammalian nucleated cell membranes
- RO1NS-11551-01** Demyelination and the optic nerve (human)
- ** P07RR-00003-13 0055** Medical data processing research - Human transplantation antigens
- MO1RR-00833-01 0022** General clinical research center - Quantitative expression of HL-A antigen on leukocytes of leukemia patients
- TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY**
- SEE ALSO BLOOD GROUP INCOMPATIBILITY
SEE ALSO FERTILITY IMMUNOLOGY
SEE ALSO IMMUNITY, IMMUNOSUPPRESSIVE FILTERS
SEE ALSO PREGNANCY CIRCULATORY DISORDERS, FETOMATERNAL TRANSFUSION
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, HOMOLOGOUS WASTING DISEASE
- RO1AI-03204-14** Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
- ** PO1AI-04606-11** Immunological procedures for allograft survival (dogs, rats, monkeys)
- RO1AI-04717-13** Tomoplasmosis-Nature of infection and immune response (human, monkeys)
- M P02AI-06320-10** Transplantation immunology center
- P02AI-06320-10 0004** Transplantation immunology center - Renal physiology on transplant patients (human)
- P02AI-06320-10 0007** Transplantation immunology center - Destruction by humoral antibody of rat skin grafted to immunosuppressed mice
- P02AI-06320-10 0008** Transplantation immunology center - Murine lymphoid cell transplantation in vitro
- P02AI-06320-10 0011** Transplantation immunology center - Immunogenetic studies in mice
- RO1AI-06525-10** The histocompatibility antigens of the mouse
- RO1AI-06918-09** Transplantation immunology (rats, mice)
- RO1AI-06927-09** Cellular specificity in delayed hypersensitivity (starfish, guinea pigs)
- ** PO1AI-07007-09 0002** Immunopathologic studies - Tumor immunology, cellular immunology
- PO1AI-07007-09 0015** Immunopathologic studies - H-2 antigens (mice)
- RO1AI-07073-08** Developmental and genetic defects of immunity (human, rabbits, rats)
- ** RO1AI-07289-09** Chemical studies on histocompatibility antigens (mice)
- RO1AI-07423-08** Graft-versus-host reaction as an immune response (rats, guinea pigs)
- ** RO1AI-07737-08** Immunity and tolerance to transplantation antigens (dogs, mice)
- RO1AI-07825-08 0003** Immunological studies with synthetic polypeptides - Genetic control of immune response
- ** RO1AI-07970-08** Comparative transplantation immunogenetics (mice, hagfish)
- ** RO1AI-08074-07** Immunological enhancement of renal allografts (rats, rabbits)
- RO1AI-08439-07** Genetic factors in transplant survivals (human)
- RO1AI-08558-06** Anti-lymphocyte serum (rabbits, mice, bacteria, viruses)
- R22AI-08608-06** Cutaneous hypersensitivity (guinea pigs, rabbits)
- ** RO1AI-08897-06** Immunologic study of human HLA and mouse H-2 antigens (rabbits, rodents)
- ** RO1AI-08899-06** Immunobiological studies with cultured human lymphocytes
- ** RO1AI-09268-06** Specific suppression of cell-mediated immune responses (rats)
- ** RO1AI-09275-05** The lymphocyte and cellular immunity (rats, mice)
- RO1AI-09293-14** Surface leukocyte antigens and skin grafts (human)
- RO1AI-09419-11** Irradiation and marrow transplantation in large animals (dogs)
- RO1AI-09529-05** Pathogenesis of cellular immunity and tolerance (guinea pigs, mice)
- ** RO1AI-09588-03** Anterior chamber implants and transplantation immunology (rabbits, rats)
- ** RO1AI-09657-14** Antibody formation and transplantation immunology (mice)
- ** RO1AI-09988-04** Histocompatibility studies in inbred rabbits
- RO1AI-10035-04** Lymphocyte depletion for immunosuppression (cattle, sheep)
- ** RO1AI-10088-04** Transplantation immunogenetics and cancer (human, mice)
- ** RO1AI-10136-03** Pathology and pathogenesis of host versus graft disease (mice)
- RO1AI-10180-04** Biologic properties and chemical structure of HL-A antigens
- RO1AI-10242-14** Pathology of inflammation and immunity (sheep, rats)
- ** RO1AI-10334-04** Nephritis immunopathology and renal transplants (human, rodents, sheep, monkeys)
- ** RO1AI-10373-03** Vascular component of transplant rejection (dogs, rats)
- ** RO1AI-10494-03** Host response to organ homografts (dogs)
- RO1AI-10496-03** Basophilic leukocytes in human allergic disease
- RO1AI-10498-03** Cellular basis of antibody production (mice)
- RO1AI-10630-03** Cell cooperation in immune responses (guinea pigs)
- ** RO1AI-10658-02** Induction of unresponsiveness to allografts (dogs)
- ** RO1AI-10678-03** Immunobiology of tissue transplantation and pregnancy (rodents, rabbits)
- ** RO1AI-10679-03** Comparative transplantation immunogenetics (sharks, turtles)
- ** RO1AI-10824-03** Graft immunogenicity and its modification (mice, rats)
- ** RO1AI-10931-03** Immune responsiveness and histocompatibility
- ** RO1AI-10990-03** Radiation pathology and treatment in germline mice (and hamster)
- ** RO1AI-11013-01** In vitro study of human allograft immunity
- RO1AI-11051-01** Biology of tissue and organ transplantation (mice, rats)
- ** RO1AI-11074-02** Mechanisms of histocompatibility-linked Ir genes (mice, guinea pigs, human)
- ** RO1AI-11175-01** Regulation of graft versus host reactions (rats)
- ** RO1AI-11327-01** Isolation of a T-cell substitute from fetal sera (mice)
- PO1AI-11378-02 0003** Cell biology and chemistry of lymphocytes and lymphocyte products - Isolation and characterization of cell surface antigens (human, mice)
- RO1AI-11405-02** Synthetic antigens (rodents, goats)
- RO1AI-11438-02** Ultrastructural aspects of cellular immunity (mice)
- ** RO1AI-11466-02** Immunobiology of allograft rejection in mouse
- ** RO1AI-11471-02** Antigen expression on tumor cells (mice)
- RO1AI-11625-01** Medical significance of anti-Ig immunosuppression
- RO1AI-11650-01** Immunology and genetics of the H-2 system (mice)
- RO1AI-11661-01** Subpopulations of thymus-derived lymphocytes
- RO1AI-11780-01** Cellular contributions to immunity in rabbits
- R13AI-11800-01** Workshop on transplantation genetics of primates
- RO1AI-11879-01** Polymorphism of a major histocompatibility complex (mice)
- ** RO1AI-11923-01** Presensitization in kidney transplants (human, dogs)
- RO1AI-11956-01** Comparison of histocompatibility antigens (rats)
- ** RO1AI-11982-01** Serological analysis of epidermal cell antigens (mice, rats, guinea pigs)
- RO1AI-12007-09** Immunologic tolerance in the marmoset
- ** RO1AI-12074-01** Immunological non-reactivity-serum factors (human, animals)
- ** RO1AI-12176-01** FI Hybrid lymphocyte stimulation by parental cells
- ** RO1AI-12184-01** T cells subpopulations in transplantation immunity (mice, rabbits)
- ** RO1AI-12468-01** Naturally occurring delayed-type hypersensitivity (mice, guinea pigs)
- RO1AI-12487-01** Thymine induction of T cell differentiation (cattle, mice)
- NO1AI-32515-05** Efficacy of tissue matching in renal transplants
- NO1AI-42505-00** Identify antibodies in diseased human kidney
- NO1AI-42508-00** Obtain HL-A sera and improve histocompatibility (human)
- NO1AI-50992-08** Obtain HL-A sera and improve histocompatibility (human)
- ** NO1AI-80621-11** Identify antibodies in diseased human kidney
- ** RO1AM-02215-14** Spare parts-Homografts of bone marrow (dogs)
- ** RO1AM-03361-15** Organ survival under experimental conditions (dogs)
- RO1AM-04549-12** Serum agglutinators of altered gamma globulins (human)
- ** PO1AM-06741-12 0033** Dialysis in treatment of chronic uremia - Clotting function in renal allograft rejection (human, dogs)
- ** RO1AM-07055-12** Tissue specificity (mice, rats)
- RO1AM-07772-11** Effects of orthotopic liver transplantation (human, dogs)
- ** RO1AM-08054-11** Immunological studies of tissue alloantigens (human, primates)
- PO1AM-08681-09 0024** Diseases of liver and portal circulation - Kidney transplantation (mice, dogs, rabbits)
- ** RO1AM-08764-10** Blood grouping studies in primates
- RO1AM-10546-09 0001** Epidermal cell model from human skin - Epidermal-dermal interactions in normal and diseased skin
- PO1AM-10824-08 0004** Cellular immunity - Immunoregulatory alpha globulin in vivo (rats)
- ** PO1AM-10824-08 0006** Cellular immunity - Effect of immunoregulatory alpha globulin on graft vs host disease (mice)
- ** PO1AM-10824-08 0007** Cellular immunity - Immunoregulatory alpha globulin in induction of tolerance (mice)
- PO1AM-10824-08 0008** Cellular immunity - Immunoregulatory alpha globulin effects on kidney transplants (dogs)
- PO1AM-10824-08 0009** Cellular immunity - Adoptive immunity to tumors (mice)
- PO1AM-10824-08 0012** Cellular immunity - Rabbit ALG in cadaver kidney transplants (human)
- PO1AM-10824-08 0013** Cellular immunity - Kidney transplantation in amyloidosis (human)
- RO1AM-11202-08** Chemistry of transplantation antigens (mice)
- ** PO1AM-11290-08** Pathophysiology of organ transplant (human)
- RO1AM-11693-07** Lymphocyte functional capacities (chickens)
- RO1AM-12458-07** Regulatory control of lymphocyte differentiation (rats, rabbits)
- NO1AM-12505-04** Development of avcothane cannulas (goats)
- P02AM-13083-06 0004** Organ transplantation - Immunosuppression by anti-human lymphoblast globulin (human)
- ** P02AM-13083-06 0051** Organ transplantation - Immunosuppressive effects of macrophage lysis (mice)
- ** P02AM-13083-06 0059** Organ transplantation - Function after allotransplantation of pancreaticoduodenal graft (dogs)
- ** P02AM-13083-06 0060** Organ transplantation - Experimental auxiliary liver allotransplantation (dogs)
- P02AM-13083-06 0106** Organ transplantation - Immunologic studies of transplant patients
- ** PO1AM-13084-10 0002** Clinical homotransplantation of tissues and organs - Study of immunology (human)
- ** PO1AM-13084-10 0003** Clinical homotransplantation of tissues and organs - Pathology (human, dogs)
- ** PO1AM-13084-10 0006** Clinical homotransplantation of tissues and organs - Study of nephrology (human)
- RO1AM-13892-05** Development of gamma globulin-producing cells (mice)
- ** RO1AM-13969-06** Factors controlling graft-host interactions (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-14218-05 Donor selection in clinical organ transplantation (human)
 R01AM-14700-04 Metabolism of low-molecular weight proteins (human, rats, rabbits)
 R01AM-14928-15 Pathogenesis of some sequelae of streptococcal disease (human, rats, rabbits)
 ** R01AM-15267-03 Evaluation of the mixed skin cell-leucocytes reaction (human)
 ** R01AM-15323-04 Antibody-mediated protection or damage to organ grafts (human, rats, dogs)
 R01AM-15398-04 Pancreatic islets and beta cell studies (human, mice, rats, rabbits)
 R01AM-15579-03 Enhancement in a renal transplant model (rats)
 ** R01AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
 ** R01AM-16011-03 Immunologic adaptation to human renal allografts (human)
 ** R01AM-16124-01 Selective erythrocyte repopulation (human, dogs)
 ** P01AM-16392-02 0006 Immunologic mechanisms in renal disease in childhood - The nature of mononuclear cells participating in cell mediated reactions (rats)
 ** P01AM-16392-02 0008 Immunologic mechanisms in renal disease in childhood - Immunological tolerance (rats, mice)
 P01AM-16392-02 0009 Immunologic mechanisms in renal disease in childhood - Antilymphocyte serum and immunology of renal allograft (human, rabbits, rodents)
 M R01AM-16489-02 Control of tissue rejection by zinc
 ** R01AM-16522-10 Characterization of homograft reactions (mice, guinea pigs)
 R01AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
 M R01AM-16572-02 The heterophile system in renal transplantation
 ** R01AM-16572-02 0004 The heterophile system in renal transplantation - Presence of antigen prior to transplantation, effect on kidney transplant (human)
 ** R01AM-16572-02 0006 The heterophile system in renal transplantation - Serologic diagnosis of rejection (human)
 ** R01AM-16804-01 Anti-vascular endothelium antibody in transplantation (human)
 R01AM-17154-01 Therapy of metabolic diseases (human)
 R01AM-17158-01 The mixed lymphocyte culture and kidney graft survival
 R01AM-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
 ** R01AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
 ** R01AM-17317-10 Humoral antibodies accompanying homografts (human, rabbits, rats, mice)
 ** R01AM-17376-02 Transplant rejection and C 3 conversion inhibition (human, dogs)
 R01AM-17581-01 Studies of pancreas transplantation (rats, hamsters)
 R01CA-01594-23 Immunology of cancer (mice)
 R01CA-03367-18 Irradiation protection and histocompatibility (mice)
 R01CA-05660-14 The maternal-fetal allograft relation (mice)
 P02CA-05826-13 0079 Clinical cancer research center - Gestational trophoblastic neoplasms (human)
 P02CA-05826-13 0083 Clinical cancer research center - Clinical hepatic transplantation for cancer
 ** P02CA-05826-13 0084 Clinical cancer research center - Transplantation immunology of skin (human, mice, tissue culture)
 P02CA-06516-12 0011 Cancer center support grant- Comprehensive - Blood products and supportive care (human, rats)
 P02CA-06516-12 0018 Cancer center support grant- Comprehensive - Development of T-lymphocytes (rabbits, mice)
 ** P02CA-06516-12 0022 Cancer center support grant- Comprehensive - Mechanism of SV40 protection (mice)
 ** P02CA-06516-12 0025 Cancer center support grant- Comprehensive - Heterotransplantation approaches to human leukemia and lymphoma (hamsters, rats)
 P02CA-06973-12 0027 Integrated clinical cancer research program - Cell biology-normal and neoplastic cells (mice)
 R01CA-07973-09 Role of transplantation antigens in malignant cells (mice)
 ** P01CA-08748-09 5938 Research program of Sloan-Kettering Institute - Mixed leukocyte culture and typing for liver allograft rejection in dogs
 P01CA-08748-09 6810 Research program of Sloan-Kettering Institute - Production of serum antibody to epidermal cell surface antigens in mice
 P01CA-08748-09 7801 Research program of Sloan-Kettering Institute - Tumor-specific antigens in guinea pig tumors
 R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
 R01CA-10018-08 Transplantation disease and leukemia (mice, viruses)
 R01CA-10129-08 Immunological enhancement of sarcoma I tumor cells (mice)
 ** R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
 P01CA-10748-07 0011 Cancer chemotherapy program - Immunosuppression by antimetabolites and tumor immunology (human, rats, mice)
 ** P01CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
 ** P02CA-10895-06 0001 Adult leukemia research center - Bone marrow transplantation (human)
 ** P02CA-10895-06 0013 Adult leukemia research center - Pathology (human, dogs)
 P02CA-11198-06 0009 Cancer research center - Immunosuppression
 R01CA-11605-06 Immunological reactivity in special circumstances (mice)
 R01CA-11634-05 Regulation of immunity (mice)
 ** R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
 ** R01CA-12093-04 0005 Immunobiology of cancer - Thymosin studies (mice)
 P01CA-12093-04 0007 Immunobiology of cancer - Viral oncology and immunology (hamster, human, chick embryo)
 ** P01CA-12093-04 0008 Immunobiology of cancer - Tumor immunology (mice, hamsters)
 R01CA-12109-04 0007 Trophoblastic disease - Choriocarcinoma and histocompatibility antigens (human)
 ** P02CA-12197-03 0003 Multidisciplinary oncology research center - Platelet survival in thrombocytopenic disorders (human)
 ** P02CA-12197-03 0015 Multidisciplinary oncology research center - Histocompatible leukocyte transfusion to prevent and control infection (human)
 P02CA-12247-03 0019 Pediatric oncology center - Immunology study-Lymphotoxin production (human)
 ** R10CA-12397-03 Leukemia center (platelet) program
 R01CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
 ** P01CA-12662-03 0013 Cancer research center - Histocompatibility mutations (mice)
 ** R01CA-12663-03 Genetics of immune response to tumor antigens (mice)
 ** P01CA-12708-03 0010 Studies of normal and malignant growth - Chromatin structure in eukaryotic cells (human)
 R01CA-12789-03 Immunogenetic mechanisms and cancer in congeneric mice
 R01CA-12929-03 Interrelationship between malignancy and immunity (mice)
 ** R01CA-13264-02 Effect on tumor growth of removing enhancing antibody (mice)
 R01CA-13625-03 0003 Myeloma tumors in cell culture - Control or modulation of tumor growth in vivo (mice)
 R01CA-13625-03 0004 Myeloma tumors in cell culture - Effect of exogenous viruses on myeloma cells (mice)
 P02CA-13696-02 0012 Clinical cancer research center - Lymphocyte reaction in cancer (human, rats, mice)
 P02CA-13943-02 0029 Clinical pharmacology immunology cancer research center - Bone marrow transplantation
 P02CA-13943-02 0046 Clinical pharmacology immunology cancer research center - Detection of graft-versus-host disease
 ** R01CA-14087-03 Tumor antigens and adoptive immunotherapy (human)
 P01CA-14193-02 0005 Comparative leukemia studies unit - Immunologic and genetic factors in bovine leukemogenesis
 P01CA-14195-01 0003 Core grant-Regulation, the cell membrane and cancer - Cell types and factors involved in cell-mediated immunity (mice)
 P01CA-14195-01 0018 Core grant-Regulation, the cell membrane and cancer - Genetic defects in immunological defenses (mice)
 ** R01CA-14230-02 Antifolates in leukemia and graft-versus-host disease (human, mice)
 R01CA-14409-02 Control of immunity in mice to L1210/MTX leukemia
 ** R01CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)
 ** P02CA-14520-02 0007 Wisconsin Clinical Cancer Center - Major histocompatibility systems and neoplastic diseases (human)
 ** P01CA-14723-02 0001 Experimental cancer immunology - Enhancing cellular immunity to transplantation antigen (guinea pigs, rats, mice)
 ** P01CA-14723-02 0003 Experimental cancer immunology - Specific histocompatibility linked IR genes on specific tumor immunity (mice)
 R01CA-14777-01 Analysis of host response to tumor oncogenesis (mice)
 ** R01CA-14922-01 Transplantation and genetic expression (mice)
 R01CA-15000-01 Effect of tumor growth on the immune response (rats)
 R01CA-15146-02 Genetic control of the immune response (mice, rats)
 R01CA-15240-01 Non-specific resistance to syngeneic tumors (mice)
 R01CA-15318-01 Neutrophil-specific antigen (human)
 R01CA-15369-01 Immunobiology of viral leukemia and its treatment (mice)
 ** R01CA-15462-01 Cell interactions in the rejection of tumor transplants (mice)
 R01CA-15472-01 Immunity to myeloma tumors (mice)
 R01CA-15600-01 Viral and other antigens of murine plasmacytomas
 ** P01CA-15655-01 0013 Cancer center support grant - Acceptance or rejection of malignant cell invasion (rats)
 R26CA-15766-01 Monolayer cultures of human prostate carcinoma (also hamsters)
 ** P01CA-15822-01 0004 Immunobiology of normal and neoplastic lymphocytes - Lymphocyte responses to allogeneic cells (mice, rats)
 ** P01CA-15822-01 0005 Immunobiology of normal and neoplastic lymphocytes - Lymphocytes and transplantation immunology (hamsters, rats, mice)
 ** P01CA-15936-01 0009 Specialized Cancer Center - Specialized supportive care during chemotherapy (human)
 ** R01CA-15951-01 Cellular immune responses in graft reaction systems (mice)
 ** R01CA-16112-01 Early immunodeficiency and late oncogenesis (mice)
 ** P01CA-16127-01 0011 Cancer Research and Treatment Center Program - Tumor-associated antigens in immunity and enhancement (mice)
 R01CA-16172-01 Neoplasia in nude (athymic) mice
 R01CA-16882-04 Induction and characterization of enhancing antibody (mice)
 ** R01CA-17117-01 Protective environment in intensive cancer therapy (human)
 ** N01CB-02103-10 Bone marrow transplantation studies in Rhesus monkeys
 ** N01CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
 ** N01CB-33868-01 Cell synergy in cell bound immune reactions (mice)
 N01CB-43998-00 Selective stimulation or suppression of immunologic responses
 ** N01CB-92177-10 NCI human histocompatibility typing center
 N01CP-23205-02 Research on the transfer of tumor immunity (monkeys, guinea pigs)
 ** N01CP-33250-03 Isolation and characterization of transplantation antigens (human, hamsters)
 ** P13DE-02731-08 0010 Development support for dental research institute - Dental research transplantation genetics (human, mice)
 P01DE-03568-01 0005 Craniofacial anomalies-etiology and treatment - Immunogenic studies of etiology
 R23DE-03710-02 Lymphocyte-mediated cytotoxicity (rats)
 R01EY-00254-10 Auto and iso-immune response to ocular tissues (guinea pigs)
 R01EY-00266-11 Corneal preservation and keratoplasty (human, rabbits, guinea pigs)
 P01EY-00396-07 0012 Basic ophthalmic research program - Electron microscopy of eye (animals)
 ** R01EY-00415-06 Ultramicroscopic changes in corneal graft reaction (human)
 ** P01EY-00446-06 0008 External ocular disease center - Corneal graft reaction (guinea pigs and primates)
 P01EY-00446-06 0009 External ocular disease center - (CBA ureitis) by topical steroids (rabbits)
 ** R01EY-01121-01 The afferent arc of corneal immunologic reaction (rabbits)
 R01EY-01226-01 Role of complement in heratitis (rabbits, human)
 R01EY-01282-01 Immunopathology and therapy of corneal disease (guinea pigs)
 R01EY-01302-01 The role of HLA antigens in corneal transplantation (human)
 R01EY-01395-01 Prolongation of cornea allograft survival by antibody (rabbits, rats)
 ** R01GM-11782-11 Genetic aspects of tissue transplantation (frogs)
 ** P01GM-15253-08 0018 Genetics in medicine-Gene action in man - Bone marrow transplantation genetics (dogs, human)
 ** P01GM-15991-06 0097 Anesthesia research center - Effect of anesthesia on cytotoxic activity of lymphoid cells against tumor (mice)
 R01GM-18350-04 Immunobiology of the laboratory rabbit
 ** R01GM-18421-03 Mutagens, mutation rates, and mouse H test
 P01GM-18674-03 0006 Diagnostic radiology research and training center - Mediators of renal vasoconstriction (chicks, rat, human)
 ** R01GM-19165-02 Genetics of somatic cell fusion in a myxomycete
 R01GM-19178-03 Genetic and biochemical studies of human amylase
 ** P01GM-21096-01 0002 Enzyme therapy in lysosomal storage diseases - Immunological studies of enzyme replacement therapy (human, rabbits)
 N01HB-32921-02 Development of carbon film composites for use in prosthetic devices
 N01HB-42926-00 Evaluation of springy polypropylene as a prosthetic device
 R01HD-01287-12 Fetal-maternal immunological interactions (mice)
 ** R01HD-03484-08 0001 Developmental studies on the turtle - Embryonic limb bud and skin transplantation
 ** P01HD-05065-04 0003 Cellular aging and degeneration - Subcellular events in cellular immunity (rats)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- PO1HD-06276-03 0070 Mental retardation research program - Immunocytological identification of brain cell surface components (mice)
- PO1HD-06576-01 0006 Molecular aspects of mental retardation - The phenylalanine hydroxylase gene-Cell culture and somatic hybridization (rats)
- RO1HD-06754-02 A fetal-maternal model system (deermouse)
- RO1HD-07385-01 Immunogenetics and reproduction in Rhesus monkeys (also human)
- RO1HD-07901-06 Comparative and developmental immunology (amphibians, mice)
- RO1HD-08957-01 Ontogeny of the humoral and cellular immune response (pigs)
- ** NO1HD-12227-03 Development of new sterilization techniques (guinea pigs, monkeys)
- NO1HD-12230-02 Intrauterine microcapsules in prolonged drug release form (rabbits, monkeys)
- NO1HD-12233-02 Develop intra-uterine sterilization system for the female (primates, human)
- NO1HD-12237-03 Device and technique for blocking the fallopian tubes (rabbits, monkeys)
- NO1HD-42802-00 Development and evaluation of a biodegradable drug delivery system
- ** RO1HL-01623-23 Antigens related to graft rejection (rabbits, rats)
- RO1HL-01782-19 0003 Cardiovascular and pulmonary problems - Physiological changes associated with reimplantation of lung (dogs)
- RO1HL-01803-20 0010 Arteriosclerosis, rheumatic diseases, glomerulonephritis - Atherosclerosis induction by synergy of graft rejection and diet (rabbits)
- RO1HL-03365-17 Leukocyte antigens and antibodies (human)
- ** PO1HL-05435-14 0017 Cardiovascular research and training program - Immunology (primates)
- ** PO1HL-05435-14 0033 Cardiovascular research and training program - Immunology II (human, mice)
- ** RO1HL-06163-13 Heart transplantation (dogs)
- ** PO1HL-06312-13 0017 Surgical cardiology - Cardiac transplantation (human)
- ** PO1HL-06312-13 0020 Surgical cardiology - Cardiac transplantation - Biopsy correlates of rejection
- PO1HL-06312-13 0021 Surgical cardiology - Cardiac transplantation - Effect of immunosuppression on atherogenesis (monkeys)
- PO1HL-06312-13 0022 Surgical cardiology - Cardiac transplantation - Experimental simultaneous kidney transplantation (dogs)
- PO1HL-06312-13 0028 Surgical cardiology - Coronary flow in the transplanted denervated heart (dogs)
- PO1HL-06312-13 0029 Surgical cardiology - Cardiac lymphatics in the transplanted heart (dogs)
- ** PO1HL-06312-13 0038 Surgical cardiology - Induction of specific transplantation tolerance (dogs)
- M PO1HL-06370-13 Cardiopulmonary and renal pathology research center
- ** PO1HL-06370-13 0001 Cardiopulmonary and renal pathology research center - Renal disease and renal allograft rejection (human, monkeys)
- ** PO1HL-06370-13 0004 Cardiopulmonary and renal pathology research center - Lymphocytes in graft rejection and immune surveillance (human)
- PO1HL-06370-13 0013 Cardiopulmonary and renal pathology research center - Cardiopulmonary, vascular and renal disease in man
- ** PO1HL-06664-13 0031 Cardiopulmonary function in remediable vascular disease - Tissue transplantation and preservation techniques in vascular surgery (rat, dog)
- PO1HL-08203-12 0001 Renal homotransplantation in man - Clinical results of renal homotransplantation in man
- ** PO1HL-08203-12 0003 Renal homotransplantation in man - Hepatic transplantation (human, dogs)
- PO1HL-08203-12 0019 Renal homotransplantation in man - Immunofluorescent antibody studies of renal allotransplants
- ** PO1HL-08203-12 0026 Renal homotransplantation in man - Electron microscopic studies (human)
- PO1HL-08203-12 0030 Renal homotransplantation in man - New kidney cell crossmatch test (human)
- PO1HL-08203-12 0031 Renal homotransplantation in man - Prevention of hyperacute kidney rejection in dogs by splenectomy
- PO1HL-08203-12 0035 Renal homotransplantation in man - Histocompatibility testing in beagies
- ** PO1HL-08203-12 0036 Renal homotransplantation in man - Blood transfusion and renal allograft survival in the dog
- M RO1HL-08696-10 Orthotopic heart transplantation
- ** RO1HL-08696-10 0001 Orthotopic heart transplantation - Immunological control-Cyclophosphamide and antithymocyte globulin (dogs)
- RO1HL-08696-10 0004 Orthotopic heart transplantation - Chicken antibody study (dogs, rats)
- RO1HL-08696-10 0005 Orthotopic heart transplantation - Application of an in vitro cell-mediated cytotoxicity assay (human)
- RO1HL-08696-10 0006 Orthotopic heart transplantation - Adult thymectomy (dogs)
- RO1HL-09163-09 Control mechanisms in hemostasis (human)
- PO1HL-10436-09 0013 Congenital heart disease - Lung transplantation (mice)
- RO1HL-10869-08 Response of the denervated heart to drugs (rats, dogs)
- ** RO1HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
- ** RO1HL-11730-06 Lung homotransplantation (dogs)
- RO1HL-12850-05 Heart transplantation and antilymphocytic serum treatment (rodents, ungulate)
- M PO1HL-13108-05 Clinical heart transplantation
- ** PO1HL-13108-05 0002 Clinical heart transplantation - Immunologic selection of recipients (human)
- ** PO1HL-13108-05 0003 Clinical heart transplantation - Diagnosis of rejection (human)
- ** PO1HL-13108-05 0004 Clinical heart transplantation - Immunosuppression (human, dogs)
- ** PO1HL-13108-05 0020 Clinical heart transplantation - Hemodynamic changes during early acute rejection (human)
- ** PO1HL-13108-05 0021 Clinical heart transplantation - Arrhythmias and conduction abnormalities in heart transplantation (human)
- PO1HL-13108-05 0037 Clinical heart transplantation - Lipoproteins in the pathogenesis of atherosclerosis in transplanted human heart
- ** PO1HL-13106-05 0039 Clinical heart transplantation - Lipoprotein antigen in the post transplant period (human)
- PO1HL-13108-05 0044 Clinical heart transplantation - Pathology of the transplanted heart (human)
- PO1HL-13108-05 0045 Clinical heart transplantation - Donor and recipient hearts (human)
- PO1HL-13108-05 0050 Clinical heart transplantation - Recipient sera and the presence of allograft directed antibodies (human)
- ** RO1HL-13572-03 Cellular and humoral reactions in transplantation (rabbits)
- PO1HL-13737-04 0018 Assisted circulation - Heart transplantation and preservation (dogs)
- PO1HL-13738-03 0004 Cardiac assist devices and artificial hearts - Homotological evaluation of prosthetic materials (calves)
- PO1HL-13738-03 0005 Cardiac assist devices and artificial hearts - Development of new materials for artificial heart and assist devices (sheep)
- ** RO1HL-13987-04 Transplantation of the lung (dogs)
- ** P17HL-14142-04 0009 Coagulation and coils in thrombosis and hemostasis - Fibrinogen-platelet kinetics and transplant rejection
- P17HL-14169-04 0002 Pulmonary disease center - Lung transplantation (dogs)
- P17HL-14182-04 0006 A special center of research in thrombosis - Detection of anti-platelet antibodies by platelet agglometry (human)
- ** P17HL-14228-04 0003 Specialized center of research in thrombosis - Rejection in transplantation model (dogs)
- ** RO1HL-14267-04 Evaluation of rejection of cardiac transplants (dogs, mice)
- RO1HL-14330-02 Neural mechanisms controlling motor act of breathing (cats, human)
- ** RO1HL-14455-03 Cardiac allotransplantation (dogs)
- RO1HL-14799-03 Heart transplantation - Immunologic and physiologic studies (rats, dogs, mice)
- RO1HL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
- RO1HL-14901-02 Experimental pulmonary transplantation (baboons)
- RO1HL-15124-02 Genesis of hypertension in renal disease (human)
- RO1HL-15246-01 Lung allotransplantation (baboon)
- ** RO1HL-15593-02 0004 Prolonged extracorporeal cardiopulmonary support - Laboratory evaluation of lung transplant rejection (sheep)
- PO1HL-15833-01 0016 Pharmacologic and physiologic basis of cardiac therapy - Electrophysiologic studies in patients heart block and cardiac denervation
- RO1HL-16119-01 Marrow allografts in hereditarily anemic recipients (mice)
- ** RO1HL-16476-01 Experimental lung transplantation (dogs, foms)
- RO1HL-16635-01 Circulating fibrin (human, dogs)
- ** RO1HL-16737-01 Microcirculatory aspects of the allograft reaction (rabbits)
- NO1HV-81388-12 Develop improved ultrathin web structures
- ** RO1MH-15976-05 0001 Stress and mechanisms of immunity - Cellular and humoral aspects of antibody formation and graft vs host response (r)
- ** RO1MH-15976-05 0002 Stress and mechanisms of immunity - Effect of neurohumoral and psychopharmacologic agents (rats, mice)
- RO1MH-15976-05 0003 Stress and mechanisms of immunity - Effect of hypothalamic stimulation and ablation (rats)
- ** PO1NS-11417-01 0012 Core program project in communicative disorders - Canine immune responses
- ** PO1NS-11417-01 0013 Core program project in communicative disorders - Mammalian nucleated cell membranes
- MO1RR-00031-14 0057 General clinical research center - Bone marrow transplantation in bone marrow failure (human)
- ** MO1RR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- ** MO1RR-00042-14 0021 General clinical research center - Long-term survival following renal transplantation (human)
- MO1RR-00048-13 0015 Clinical center - Evaluation of homologous renal transplantation (human)
- ** MO1RR-00049-13 0018 General clinical research center - Renal homotransplantation - Modification of rejection (human)
- MO1RR-00051-13 0001 General clinical research center - Organ transplantation - Liver homotransplantation
- MO1RR-00051-13 0115 General clinical research center - Renal transplantation (human)
- ** MO1RR-00051-13 0118 General clinical research center - Organ transplantation - Immunologic reactivity of recipients (human)
- ** MO1RR-00051-13 0120 General clinical research center - Organ transplantation - Hyperacute rejection (human)
- ** MO1RR-00051-13 0135 General clinical research center - Organ transplantation - Extrarenal organs (human)
- MO1RR-00052-13 0006 General clinical research center for children - Renal transplantation
- MO1RR-00058-13 0012 General clinical research center - Renal homotransplantation (human)
- MO1RR-00058-13 0048 General clinical research center - Cardiac homotransplants (human)
- MO1RR-00064-10 0032 General clinical research center - Liver transplantation (human)
- MO1RR-00069-12 0001 General clinical research center, children - Kidney transplantation
- MO1RR-00069-12 0080 General clinical research center, children - Homotransplantation of the liver
- ** MO1RR-00069-12 0083 General clinical research center, children - Organ transplantation - Immunologic reactivity of recipients
- ** MO1RR-00069-12 0085 General clinical research center, children - Organ transplantation - Hyperacute rejection (dogs, swine)
- MO1RR-00070-12 0019 General clinical research center - Homotransplantation of the heart (human, dogs)
- ** MO1RR-00070-12 0078 General clinical research center - Homologous transplantation in vitro cultured human skin
- MO1RR-00073-12 0014 General clinical research center - Reduction of RH antibodies in isoinfused patients
- ** MO1RR-00076-12 0064 General clinical research center - Anti-lymphocytic serum in living renal transplant (human)
- ** MO1RR-00076-12 0065 General clinical research center - Anti-lymphocytic serum in cadaveric renal transplant (human)
- MO1RR-00076-12 0066 General clinical research center - Anti-lymphocytic serum and tolerance (human)
- MO1RR-00096-14 0038 Clinical research center - Renal failure and value of cadaveric kidney transplantation (human)
- ** MO1RR-00128-10 0055 General clinical research center for children - Immunological responses of renal transplant recipients
- MO1RR-00188-10 0061 General clinical research center for children - Immune deficiency diseases and their reconstitution
- MO1RR-00229-09 0049 General clinical research center - Role of intrarenal microvascular thrombosis in renal disease (human)
- ** MO1RR-00262-09 0053 General clinical research center - Serum immunoglobulins and complement levels in renal transplant rejection (human)
- MO1RR-00284-08 0052 General clinical research center - pediatric - Organ transplantation
- ** MO1RR-00287-08 0043 General clinical research center - Immunologic and hemodynamic study of transplanted kidney (human)
- MO1RR-00305-08 0021 Clinical research center for children - Immunosuppression for renal and bone marrow allografts
- MO1RR-00305-08 0081 Clinical research center for children - Bone marrow transplantation
- MO1RR-00350-08 0034 General clinical research center - Tubular function in renal transplant patients
- RO1RR-00389-07 Breeding large animals for medical research (dogs)
- PO6RR-00627-04 Immunobiology of the laboratory rabbit
- ** MO1RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)
- MO1RR-00827-01 0012 General clinical research center - Human bone marrow transplantation
- ** MO1RR-00865-01 0026 General clinical research center - Bone marrow transplantation (human)
- TISSUE COMPATIBILITY-TRANSPLANT, RETRANSPLANTATION**
- PO2AM-13083-06 0072 Organ transplantation - Studies in tissue typing and matching
- PO1HL-08203-12 0001 Renal homotransplantation in man - Clinical results of renal homotransplantation in man
- MO1RR-00051-13 0115 General clinical research center - Renal transplantation (human)
- TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION**
- SEE ALSO ADRENAL TRANSPLANTATION
- SEE ALSO BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- SEE ALSO BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL TISSUE TRANSPLANTATION
SEE ALSO BLOOD AND RE SYSTEM, SPLEEN TISSUE (CELLS) TRANSPLANTATION
SEE ALSO BLOOD AND RE SYSTEM, THYMUS TRANSPLANTATION
SEE ALSO BLOOD TRANSFUSION
SEE ALSO CARDIOVASCULAR TRANSPLANTATION
SEE ALSO DENTAL TRANSPLANTATION
SEE ALSO EAR (TISSUE) TRANSPLANTATION
SEE ALSO ENDOCRINOLOGY, ENDOCRINE TRANSPLANTATION
SEE ALSO EYE TRANSPLANTATION
SEE ALSO GASTROINTESTINAL TRANSPLANTATION
SEE ALSO HEART TRANSPLANTATION
SEE ALSO KIDNEY TRANSPLANTATION
SEE ALSO LIVER TISSUE (CELLS) TRANSPLANTATION
SEE ALSO MUSCLE TRANSPLANTATION
SEE ALSO NEOPLASMS TRANSPLANTATION
SEE ALSO NERVOUS SYSTEM TRANSPLANTATION
SEE ALSO PANCREAS TRANSPLANTATION
SEE ALSO PARATHYROID TRANSPLANTATION
SEE ALSO PREGNANCY, EMBRYO-FETUS TRANSPLANTATION
SEE ALSO REPRODUCTIVE TISSUE TRANSPLANTATION
SEE ALSO RESPIRATORY SYSTEM TRANSPLANTATION
SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS, LIMB TRANSPLANTATION
SEE ALSO SKIN TRANSPLANTATION
SEE ALSO THYROID TRANSPLANTATION
SEE ALSO TISSUE CONNECTIONS, PARABIOTIC
SEE ALSO TISSUE DONORS
SEE ALSO TISSUE PRESERVATION
SEE ALSO URINARY TRACT TRANSPLANTATION
- R01AI-02566-15 Chemical and biological studies of complement (mice, guinea pigs)
R01AI-04717-13 Toxoplasmosis-Nature of infection and immune response (human, monkeys)
R01AI-06552-10 The pathogenesis of wasting diseases (mice, rabbits and bacteria)
R01AI-11013-01 In vitro study of human allograft immunity
R01AI-11757-01 Decline of immune response with age (mice)
N01AI-42533-00 Physiologic suppression of cell-mediated immune response
- ** P01AM-08681-09 0015 Diseases of liver and portal circulation - Liver transplantation (dogs)
** R01AM-09136-15 Studies in cryobiology (rabbits, turtles)
R01AM-10145-09 Immunocompetence of thymus cells (mice, guinea pigs)
R01AM-11748-07 0007 Regulation of metabolic processes - Biochemical investigation in relation to transplant surgery
R01AM-12434-07 Chemistry and metabolism of sphingolipids (human, dogs)
R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
- M P02AM-13083-06 Organ transplantation
P02AM-13083-06 0001 Organ transplantation - Clinical studies of renal transplantation
M P01AM-13084-10 Clinical homotransplantation of tissues and organs
- ** P01AM-15671-04 0032 The biology of skeletal and other connective tissues - Joint transplantation (rabbits)
R01AM-16265-03 Nucleic acid and protein metabolism in normal and pathologic cartilage
** P02CA-05831-13 0012 Cancer clinical research - Chronic thoracic duct fistula (human)
R01CA-05953-13 0002 Human tumors in vitro - Immunologic studies with human tumors (dogs)
P01CA-10896-03 Exploratory studies in cancer research (human, laboratory animals)
R01CA-12779-02 Leukocyte regulatory mechanisms (human, mice, rats)
P02CA-13525-03 0005 Program for treatment of malignant brain tumors - Kinetics of murine gliomas in vivo (rats)
P02CA-15145-01 0044 Cancer center support grant - Reconstitution and rerouting of cerebral circulation (dogs)
** P01CA-15704-01 0031 Cancer center support grant - Surgical transplant program
** R01CA-15951-01 Cellular immune responses in graft reaction systems (mice)
** R01CA-16112-01 Early immunodeficiency and late oncogenesis (mice)
** N01CB-02103-10 Bone marrow transplantation studies in Rhesus monkeys
P13DE-02668-08 0004 Dental research center - Neural mechanisms (human, rats, primates)
P13DE-02668-08 0013 Dental research center - Immunologic mechanisms (hamsters, mice, rats)
R01DE-03709-01 Root formation in lower vertebrate tooth transplants
R23DE-03931-01 Apical calcification of non-vital teeth (human)
R01GM-10374-12 Chemistry of human glycoproteins and proteins
R01GM-12074-11 Blood groups in non-human primates (and human)
P11GM-15759-08 0034 Clinical pharmacology in rheumatic and muscular diseases - Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs)
R01HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
- ** P01HL-06312-13 0038 Surgical cardiology - Induction of specific transplantation tolerance (dogs)
P01HL-06314-14 0047 Immunologic mechanisms in cardiovascular disease - Intravascular coagulation (human)
P01HL-08203-12 0025 Renal homotransplantation in man - Antilymphocyte globulin and enhancement (human)
** R01HL-11880-06 Total body irradiation and transplantation (human)
R01HL-12147-07 Histochemistry of early arteriosclerotic lesions
R01HL-12147-07 0010 Histochemistry of early arteriosclerotic lesions - Vascular grafts and vessels in organ transplants
P01HL-13330-05 0056 Mechanical circulatory support - Biomaterials research
P17HL-14230-04 0038 Lipids, atherosclerosis and thrombosis - Transplantable hemangioendotheliomas in mice
** N01JT-90095-08 Establish a transplantation registry
P01NS-05785-09 0015 Causes of deafness - Microscopic anatomy laboratory (human, cats)
R01NS-09923-04 Cytological studies of developing and mature neurons (rats)
** P01NS-11417-01 0011 Core program project in communicative disorders - Neonatal tolerance and antigenic maturation (dogs)
** P01NS-11417-01 0012 Core program project in communicative disorders - Canine immune responses
** N01RR-00051-13 0135 General clinical research center - Organ transplantation-Extrarenal organs (human)
** N01RR-00628-04 0062 General clinical research center for children - Thymic transplant in mucocutaneous candidiasis
N01RR-00645-03 0067 Clinical research center - Blood rheology in acutely ill patients
S06RR-08061-03 Biomedical research improvement program (Texas Southern University) (human)
- TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS**
- R01AI-12221-01 Mechanisms of toxicity of bacterial endotoxin (sheep, mice)
R01AM-03361-15 Organ survival under experimental conditions (dogs)
R01AM-11381-14 Electron microscopy of the reticuloendothelial system (human, animals)
** P02AM-13083-06 0059 Organ transplantation - Function after allotransplantation of pancreaticoduodenal graft (dogs)
** P02AM-13083-06 0060 Organ transplantation - Experimental auxiliary liver allotransplantation (dogs)
R01AM-15791-02 Preservation and regeneration of isolated kidneys (dogs)
R01AM-16501-03 Bone marrow injury and repair (rabbits, rats)
R01AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
P02CA-05826-13 0083 Clinical cancer research center - Clinical hepatic transplantation for cancer
R01CA-06097-13 Response of pigment cells to X-and UV-radiations (rodents, chick embryo)
P01CA-08748-09 5932 Research program of Sloan-Kettering Institute - Autotransplantation of liver (dogs)
P02CA-10895-06 0002 Adult leukemia research center - Bone marrow storage and infusion (human)
R01CA-14846-02 Mechanism of action of antitumor immune RNA (rodents)
R26CA-16378-01 Bladder cancer transfer in schistosomiasis haematobia (monkeys)
P01DE-01899-12 0002 Habituation of the cleft palate individual - Orthodontics (human)
R01DE-02103-10 0017 Inductive substrates for tooth and bone formation - Bioassay of bone morphogenic properties (rats)
P01DE-02918-06 0009 Oral-facial growth and development in primates - Effect of inadequate zone of gingiva on periodontium (M. mulatta)
R01GM-17743-04 Myogenic lizard calls (lizards)
P01GM-21017-01 0009 Diagnostic radiology method development - Absolute lung density measurement in pulmonary edema (dogs)
R01HD-02371-08 Hormone control of the mammary gland (human, animals)
** R01HD-08129-01 Endocrine function of transplanted uterus and ovary (sheep)
R01HL-01782-19 0003 Cardiovascular and pulmonary problems - Physiological changes associated with reimplantation of lung (dogs)
P01HL-06312-13 0026 Surgical cardiology - Patterns of cardiac denervation (dogs)
P01HL-06312-13 0029 Surgical cardiology - Cardiac lymphatics in the transplanted heart (dogs)
P01HL-08203-12 0002 Renal homotransplantation in man - Cardiac transplantation (human, dogs)
P01HL-08203-12 0029 Renal homotransplantation in man - Long term canine kidney preservation
R01HL-09315-11 Coronary insufficiency and myocardial revascularization (human, dogs)
R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
R01HL-12322-06 Extrinsic factors influencing myocardial performance (dogs)
- R01HL-12794-03 Atherogenesis in vascular grafts (dogs, monkeys)
P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
P01HL-13737-04 0024 Assisted circulation - Dynamic prosthetic myocardium (dogs)
** P01HL-13737-04 0033 Assisted circulation - Autologous bioprosthetic grafts for coronary artery bypass surgery (dogs)
P01HL-13979-04 0001 Cardio-pulmonary-renal program - Experimental atherosclerosis and hypertension (rats, dogs)
P17HL-14164-04 0022 Arteriosclerosis research center - Comparative medicine core laboratories (monkeys, pigeons)
R01HL-14622-02 Late patency and flow studies for aortic coronary grafts (human)
R01HL-14901-02 Experimental pulmonary transplantation (baboons)
** P18HL-15165-03 0010 Comprehensive sickle cell disease center - Comparative study of therapy of leg ulcers in sickle cell anemia (human)
** R01HL-15239-01 Growth in vascular grafts (dogs, cattle)
R01HL-15448-02 0001 Surgical and metabolic aspects of venous grafts - Morphology and lipid composition (dogs)
R01HL-16476-01 Experimental lung transplantation (dogs, fowls)
R01HL-16682-01 Infection in peripheral vascular prosthetic grafts (dogs)
R23HL-17200-01 Control of hypoxic pulmonary vasoconstriction (dogs)
N01RR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
** N01RR-00051-13 0121 General clinical research center - Autotransplantation of the kidney (human)
N01RR-00334-08 0030 General clinical research center - Hemodynamic characteristics of femoral-femoral arterial cross-pubic graft (human)
N01RR-00350-08 0099 General clinical research center - Myocardial revascularization using autogenous venous bypass graft (human)
** N01RR-00833-01 0030 General clinical research center - Implantation of autologous human marrow
- TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS**
- R01AI-06918-09 Transplantation immunology (rats, mice)
R01AI-09268-06 Specific suppression of cell-mediated immune responses (rats)
R01AI-09588-03 Anterior chamber implants and transplantation immunology (rabbits, rats)
R01AI-10035-04 Lymphocyte depletion for immunosuppression (cattle, sheep)
R01AM-07055-12 Tissue specificity (mice, rats)
** P01AM-08681-09 0022 Diseases of liver and portal circulation - Methods of influencing xenograft rejection (rats, dogs, primates)
P01AM-10824-08 0010 Cellular immunity - RNA mediated transfer of tumor immunity (mice, guinea pigs)
P02AM-13083-06 0106 Organ transplantation - Immunologic studies of transplant patients
** R01AM-15323-04 Antibody-mediated protection or damage to organ grafts (human, rats, dogs)
R01AM-15796-01 Synovial cells and the etiology of rheumatoid arthritis (human, rabbits)
R01AM-16872-01 0002 Immunopathology of chronic renal failure - Induction and growth of tumors in uremia (rats)
R01AM-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
P02CA-05826-13 0083 Clinical cancer research center - Clinical hepatic transplantation for cancer
** P02CA-06516-12 0025 Cancer center support grant- Comprehensive - Heterotransplantation approaches to human leukemia and lymphoma (hamsters, rats)
R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
R01CA-15044-01 Pathogenetic determinants of human CNS tumors
R26CA-15441-01 Hormonal dependence of prostate cancer (human, rats)
R26CA-15503-01 Prostatic human tumors in conditioned animals and in culture (mice)
R01CA-17104-01 RNA-associated transfer factors in tumor immunity
N01CP-43237-00 Normal and malignant tracheobronchial epithelium in humans (hamsters)
R01EY-00616-03 Diagnosis and etiology of intra-ocular tumor (human, rabbits)
R01EY-01121-01 The afferent arc of corneal immunologic reaction (rabbits)
R01EY-01211-01 Organ culture of corneas (human, rabbit)
R01GM-17743-04 Myogenic lizard cells (lizards)
R01HD-03484-08 0001 Developmental studies on the turtle - Embryonic limb bud and skin transplantation
R01HL-01623-23 Antigens related to graft rejection (rabbits, rats)
P01HL-06664-13 0031 Cardiopulmonary function in remediable vascular disease - Tissue transplantation and preservation techniques in vascular surgery (rat, dog)
R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)

(cont'd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.

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- R01HL-12850-05 Heart transplantation and antilymphocytic serum treatment (rodents, ungulate)
- P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- R01HL-14295-03 Experimental renal and neurogenic hypertension (human, dogs)
- ** R01HL-14799-03 Heart transplantation-immunologic and physiologic studies (rats, dogs, mice)
- R01HL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
- R01HL-16476-01 Experimental lung transplantation (dogs, felines)
- TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS**
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, HOMOLOGOUS WASTING DISEASE
- R01AI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
- R01AI-04197-13 Antibody formation by lymphoid cells (mice, rats)
- ** P01AI-04606-11 Immunological procedures for allograft survival (dogs, rats, monkeys)
- ** P02AI-06320-10 0004 Transplantation immunology center - Renal physiology on transplant patients (human)
- ** P02AI-06320-10 0005 Transplantation immunology center - Burn study (children)
- R01AI-06455-10 Specificity and information transfer in sensitivity (rats, mice)
- R01AI-06918-09 Transplantation immunology (rats, mice)
- R01AI-06927-09 Cellular specificity in delayed hypersensitivity (starfish, guinea pigs)
- ** R01AI-08074-07 Immunological enhancement of renal allografts (rats, rabbits)
- R01AI-08439-07 Genetic factors in transplant survivals (human)
- R01AI-08897-06 Immunologic study of human HLA and mouse H-2 antigens (rabbits, rodents)
- R01AI-09268-06 Specific suppression of cell-mediated immune responses (rats)
- R01AI-09275-05 The lymphocyte and cellular immunity (rats, mice)
- R01AI-09293-14 Surface leukocyte antigens and skin grafts (human)
- R01AI-09588-03 Anterior chamber implants and transplantation immunology (rabbits, rats)
- R01AI-09588-04 Histocompatibility studies in inbred rabbits
- R01AI-10035-04 Lymphocyte depletion for immunosuppression (cattle, sheep)
- R01AI-10242-14 Pathology of inflammation and immunity (sheep, rats)
- ** R01AI-10373-03 Vascular component of transplant rejection (dogs, rats)
- R01AI-10494-03 Host response to organ homografts (dogs)
- R01AI-10658-02 Induction of unresponsiveness to allografts (dogs)
- ** R01AI-10678-03 Immunobiology of tissue transplantation and pregnancy (rodents, rabbits)
- ** R01AI-10824-03 Graft immunogenicity and its modification (mice, rats)
- ** R01AI-11013-01 In vitro study of human allograft immunity
- ** R01AI-11051-01 Biology of tissue and organ transplantation (mice, rats)
- P01AI-11313-02 0008 Humoral, cellular and genetic mechanisms in autoimmunity - Soluble transplantation antigens in allogeneic bone marrow transplantation (mice)
- R01AI-11330-02 Immunosuppression of idiotypic specificities (mice, rabbits)
- R01AI-11982-01 Serological analysis of epidermal cell antigens (mice, rats, guinea pigs)
- R01AI-12007-09 Immunologic tolerance in the marmoset
- ** R01AI-12074-01 Immunological non-reactivity-serum factors (human, animals)
- ** N01AI-32511-02 Evaluation of typing techniques in clinical homotransplantation
- ** R01AM-02215-14 Spare parts-Homografts of bone marrow (dogs)
- R01AM-03361-15 Organ survival under experimental conditions (dogs)
- P01AM-06741-12 0033 Dialysis in treatment of chronic uremia - Clotting function in renal allograft rejection (human, dogs)
- R01AM-07055-12 Tissue specificity (mice, rats)
- R01AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
- P01AM-11290-08 Pathophysiology of organ transplant (human)
- P02AM-13083-06 0004 Organ transplantation - Immunosuppression by anti-human lymphoblast globulin (human)
- P02AM-13083-06 0051 Organ transplantation - Immunosuppressive effects of macrophage lysis (mice)
- ** P02AM-13083-06 0101 Organ transplantation - Small intestinal allotransplantation (dogs)
- P02AM-13083-06 0104 Organ transplantation - Clinical-virological correlations
- P01AM-13084-10 0001 Clinical homotransplantation of tissues and organs - Surgery and the program as a whole (human)
- ** P01AM-13084-10 0003 Clinical homotransplantation of tissues and organs - Pathology (human, dogs)
- ** P01AM-13084-10 0005 Clinical homotransplantation of tissues and organs - Investigation of urology
- P01AM-13084-10 0006 Clinical homotransplantation of tissues and organs - Study of nephrology (human)
- R01AM-13228-06 Biological effects of auxiliary liver transplants (rats)
- ** R01AM-13969-06 Factors controlling graft-host interactions (mice)
- R01AM-14063-03 Quantitation of bone transplant repair (dogs, human)
- R01AM-14218-05 Donor selection in clinical organ transplantation (human)
- R01AM-14700-04 Metabolism of low-molecular weight proteins (human, rats, rabbits)
- R01AM-14928-15 Pathogenesis of some sequelae of streptococcal disease (human, rats, rabbits)
- R01AM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
- R01AM-16011-03 Immunologic adaptation to human renal allografts (human)
- R01AM-16501-03 Bone marrow injury and repair (rabbits, rats)
- ** R01AM-16522-10 Characterization of homograft reactions (mice, guinea pigs)
- R01AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- M R01AM-16572-02 The heterophile system in renal transplantation
- R01AM-16872-01 0002 Immunopathology of chronic renal failure - Induction and growth of tumors in uremia (rats)
- R01AM-17022-02 Treatment of hepatic failure (swine, human)
- R01AM-17158-01 The mixed lymphocyte culture and kidney graft survival
- R01AM-17167-01 Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine)
- R01AM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- R01AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- R01AM-17307-01 Hormone production in cultured endocrine cells (rats)
- R01AM-17317-10 Humoral antibodies accompanying homografts (human, rabbits, rats, mice)
- R01AM-17376-02 Transplant rejection and C 3 conversion inhibition (human, dogs)
- R01AM-17581-01 Studies of pancreas transplantation (rats, hamsters)
- R01CA-01594-23 Immunology of cancer (mice)
- R01CA-03367-18 Irradiation protection and histocompatibility (mice)
- R01CA-05660-14 The maternal-fetal allograft relation (mice)
- R01CA-06097-13 Response of pigment cells to X- and UV-radiations (rodents, chick embryo)
- P01CA-08748-09 5934 Research program of Sloan-Kettering Institute - Immunosuppressive effects of cytotoxic drugs (rats)
- R01CA-10018-08 Transplantation disease and leukemia (mice, viruses)
- ** R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- R01CA-12075-04 Host-allograft changes induced by explanted tumors (mice, human)
- ** R01CA-12383-03 Asparagine analogs effects of allograft, leukemia (mice)
- R01CA-12844-03 Controls of proliferation specific for leukemias (mice)
- P01CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- P01CA-15704-01 0001 Cancer center support grant - Tumor immunology (rats, human, mice)
- R01CA-17104-01 RNA-associated transfer factors in tumor immunity
- R01EY-00217-14 Ocular hypersensitivity (rabbits)
- R01EY-00266-11 Corneal preservation and keratoplasty (human, rabbits, guinea pigs)
- ** R01EY-00415-06 Ultramicroscopic changes in corneal graft reaction (human)
- ** P01EY-00446-06 0008 External ocular disease center - Corneal graft reaction (guinea pigs and primates)
- R01EY-01121-01 The afferent arc of corneal immunologic reaction (rabbits)
- R01EY-01211-01 Organ culture of corneas (human, rabbit)
- ** R01EY-01395-01 Prolongation of cornea allograft survival by antibody (rabbits, rats)
- R01GM-12829-10 0006 Wound healing - Effect of vitamin A on immunosuppression by cortisone (mice)
- R01GM-20667-01 Skin allograft facilitation by prior tissue culture (mice, human)
- R01HD-00412-18 Fetal endocrinology and study of diabetes and pregnancy (rats)
- R01HD-03484-08 0001 Developmental studies on the turtle - Embryonic limb bud and skin transplantation
- R01HD-07901-06 Comparative and developmental immunology (amphibians, mice)
- R01HL-01623-23 Antigens related to graft rejection (rabbits, rats)
- R01HL-01782-19 0003 Cardiovascular and pulmonary problems - Physiological changes associated with reimplantation of lung (dogs)
- R01HL-03365-17 Leukocyte antigens and antibodies (human)
- ** R01HL-03444-16 0007 Alterations of arterial tissue in atherosclerosis - Aortic homografts in canine atherosclerosis
- ** R01HL-03444-16 0008 Alterations of arterial tissue in atherosclerosis - Fate of autogenous abdominal aortic grafts (dogs)
- ** R01HL-03444-16 0011 Alterations of arterial tissue in atherosclerosis - Fate of homologous thoracic grafts in experimental atherosclerosis (dogs)
- P01HL-06312-13 0018 Surgical cardiology - Cardiac transplantation-Experimental growth (calves)
- P01HL-06312-13 0022 Surgical cardiology - Cardiac transplantation-Experimental simultaneous kidney transplantation (dogs)
- ** P01HL-06312-13 0038 Surgical cardiology - Induction of specific transplantation tolerance (dogs)
- P01HL-06370-13 0001 Cardiopulmonary and renal pathology research center - Renal disease and renal allograft rejection (human, monkeys)
- P01HL-06370-13 0004 Cardiopulmonary and renal pathology research center - Lymphocytes in graft rejection and immune surveillance (human)
- P01HL-06370-13 0013 Cardiopulmonary and renal pathology research center - Cardiopulmonary, vascular and renal disease in man
- ** P01HL-08203-12 0001 Renal homotransplantation in man - Clinical results of renal homotransplantation in man
- ** P01HL-08203-12 0019 Renal homotransplantation in man - Immunofluorescent antibody studies of renal allotransplants
- ** P01HL-08203-12 0026 Renal homotransplantation in man - Electron microscopic studies (human)
- ** P01HL-08203-12 0027 Renal homotransplantation in man - Endocrine studies (human, chickens)
- ** P01HL-08203-12 0030 Renal homotransplantation in man - New kidney cell crossmatch test (human)
- ** P01HL-08203-12 0033 Renal homotransplantation in man - Immunologic studies (human, animals)
- ** P01HL-08203-12 0034 Renal homotransplantation in man - Cellular immunity and blocking antibody in renal transplantation (human)
- ** P01HL-08203-12 0035 Renal homotransplantation in man - Histocompatibility testing in beagies
- ** P01HL-08203-12 0036 Renal homotransplantation in man - Blood transfusion and renal allograft survival in the dog
- ** P01HL-08203-12 0037 Renal homotransplantation in man - Liver perfusion and liver support in patient
- R01HL-08696-10 0004 Orthotopic heart transplantation - Chicken antibody study (dogs, rats)
- P01HL-09251-10 0004 Implantable artificial circulatory pumping systems - Biomaterials (human, animals)
- P01HL-10436-09 0013 Congenital heart disease - Lung transplantation (mice)
- R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
- R01HL-11730-06 Lung homotransplantation (dogs)
- P01HL-12738-06 0058 Physiologic pharmacology and its clinical applications - Aortic valve homografts sterilized by electron beam energy-pathology
- P01HL-12738-06 0059 Physiologic pharmacology and its clinical applications - Vein homograft sterilized by electron beam for coronary surgery (dogs, human)
- R01HL-12850-05 Heart transplantation and antilymphocytic serum treatment (rodents, ungulate)
- P01HL-13108-05 0004 Clinical heart transplantation - Immunosuppression (human, dogs)
- P01HL-13108-05 0046 Clinical heart transplantation - Special study of the conduction tissue (human)
- P01HL-13108-05 0047 Clinical heart transplantation - Proliferating cells of atherosclerotic allografted coronary arteries (human)
- P01HL-13108-05 0050 Clinical heart transplantation - Recipient sera and the presence of allograft directed antibodies (human)
- R01HL-13322-05 Microscopy of living nephron (hamsters)
- P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- P01HL-13737-04 0018 Assisted circulation - Heart transplantation and preservation (dogs)
- R01HL-13987-04 Tr: splantation of the lung (dogs)
- P17HL-14169-04 0002 Pulmonary disease center - Lung transplantation (dogs)
- P17HL-14228-04 0003 Specialized center of research in thrombosis - Rejection in transplantation model (dogs)
- R01HL-14267-04 Evaluation of rejection of cardiac transplants (dogs, mice)
- R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
- R01HL-14455-03 Cardiac allotransplantation (dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROIHL-14799-03 Heart transplantation—Immunologic and physiologic studies (rats, dogs, mice)
- ROIHL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
- ROIHL-15239-01 Growth in vascular grafts (dogs, cattle)
- ROIHL-15246-01 Lung allotransplantation (baboon)
- ROIHL-15448-02 0001 Surgical and metabolic aspects of venous grafts - Morphology and lipid composition (dogs)
- ROIHL-15593-02 0004 Prolonged extracorporeal cardiopulmonary support - Laboratory evaluation of lung transplant rejection (sheep)
- ROIHL-16119-01 Marrow allografts in hereditarily anemic recipients (mice)
- ROIHL-16476-01 Experimental lung transplantation (dogs, fowes)
- ROIHL-16682-01 Infection in peripheral vascular prosthetic grafts (dogs)
- ** ROIHL-16737-01 Microcirculatory aspects of the allograft reaction (rabbits)
- POIRS-09823-04 0007 Communicative disorders clinical research center - Temporal bone morphology (human)
- ROIRS-10867-01 Construction of a larynx with allotissue (monkeys)
- MOIRR-00030-13 0016 General clinical research center - Homotransplantation (human)
- MOIRR-00036-14 0049 General clinical research center - Renal homotransplants from cadaver donors (human)
- MOIRR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- MOIRR-00046-14 0020 General clinical research center - Renal allografting (human)
- MOIRR-00048-13 0015 Clinical center - Evaluation of homologous renal transplantation (human)
- ** MOIRR-00049-13 0018 General clinical research center - Renal homotransplantation—Modification of rejection (human)
- MOIRR-00051-13 0001 General clinical research center - Organ transplantation—Liver homotransplantation
- MOIRR-00051-13 0119 General clinical research center - Parathyroid gland and transplantation (human)
- MOIRR-00051-13 0123 General clinical research center - Organ transplantation—HLA typing (human)
- ** MOIRR-00058-13 0012 General clinical research center - Renal homotransplantation (human)
- ** MOIRR-00058-13 0048 General clinical research center - Cardiac homotransplants (human)
- MOIRR-00064-10 0044 General clinical research center - Distal renal tubular acidosis following renal homotransplantation (human)
- MOIRR-00069-12 0080 General clinical research center, children - Homotransplantation of the liver
- MOIRR-00069-12 0084 General clinical research center, children - The parathyroid gland transplantation
- MOIRR-00070-12 0019 General clinical research center - Homotransplantation of the heart (human, dogs)
- MOIRR-00070-12 0078 General clinical research center - Homologous transplantation in vitro cultured human skin
- MOIRR-00096-14 0038 Clinical research center - Renal failure and value of cadaveric kidney transplantation (human)
- MOIRR-00128-10 0055 General clinical research center for children - Immunological responses of renal transplant recipients
- MOIRR-00287-08 0043 General clinical research center - Immunologic and hemodynamic study of transplanted kidney (human)
- MOIRR-00305-08 0021 Clinical research center for children - Immunosuppression for renal and bone marrow allografts
- MOIRR-00322-08 0001 General clinical research center - Evaluation of laminar air flow in treatment of thermal injury (human)
- MOIRR-00336-08 0047 General clinical research center - Evaluation of long term survival of renal allografts (human)
- MOIRR-00400-06 0055 General clinical research center—adult - Glycosphingolipidoses and related diseases (human)
- PO6RR-00627-04 Immunobiology of the laboratory rabbit
- MOIRR-00633-02 0061 General clinical research center - Homograft heart valves (human)
- MOIRR-00045-03 0064 Clinical research center - Auxiliary and orthotopic hepatic transplantation in hepatic failure (human)
- TISSUE COMPONENT QUANTITATOR***
- ROIICA-1341-03 Flow analysis of normal and neoplastic cells (human, cattle)
- TISSUE CONNECTIONS, PARABIOTIC**
- SEE ALSO CARDIOVASCULAR SURGERY, EXTRACORPOREAL CIRCULATION, CROSS CIRCULATION
- ROIAI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
- ROIAM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
- ROIAM-17022-02 Treatment of hepatic failure (swine, human)
- ROIICA-05985-13 0002 Stages of carcinogenesis of the cervix uteri in mice - Arrest of Hodgkins-like tumors by immunotherapy (mice SJL/J)
- ROIICA-15622-01 Endocrinology of experimental ovarian tumors (parabirotic rats)
- POIDE-02848-06 0012 Biology of connective tissue, bones and teeth - Chromatin, gene function, and aging (mice)
- ROIEM-11782-11 Genetic aspects of tissue transplantation (frogs)
- ROIHD-04028-06 Neurohypophyseal hormones in pregnancy and puerperium (rats, rabbits)
- TISSUE CULTURE**
- SEE TISSUE (CELL) CULTURE*
- TISSUE DONORS**
- SEE ALSO BLOOD TRANSFUSION, BLOOD DONORS
- PO2AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- ** PO1AM-11290-08 Pathophysiology of organ transplant (human)
- ** PO2AM-13083-06 0105 Organ transplantation - Sociopsychological study
- ** PO1AM-13084-10 0001 Clinical homotransplantation of tissues and organs - Surgery and the program as a whole (human)
- ** PO1AM-13084-10 0002 Clinical homotransplantation of tissues and organs - Study of immunology (human)
- ** PO1AM-13084-10 0004 Clinical homotransplantation of tissues and organs - Study of psychiatry (human)
- ** PO1AM-13084-10 0006 Clinical homotransplantation of tissues and organs - Study of nephrology (human)
- PO1AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- ROIAM-15606-03 Active enhancement of renal and islet cell allografts (rats, dogs)
- ROIAM-16804-01 Anti-vascular endothelium antibody in transplantation (human)
- PO1EY-00446-06 0005 External ocular disease center - Keratoplasty and corneal preservation (human)
- PO1HL-06312-13 0019 Surgical cardiology - Cardiac transplantation—Excision recipient storage and reimplantation (dogs)
- PO1HL-06312-13 0022 Surgical cardiology - Cardiac transplantation—Experimental simultaneous kidney transplantation (dogs)
- PO1HL-06312-13 0038 Surgical cardiology - Induction of specific transplantation tolerance (dogs)
- PO1HL-06664-13 0031 Cardiopulmonary function in remediable vascular disease - Tissue transplantation and preservation techniques in vascular surgery (rat, dog)
- PO1HL-08203-12 0001 Renal homotransplantation in man - Clinical results of renal homotransplantation in man
- ** PO1HL-08203-12 0004 Renal homotransplantation in man - Regional organ procurement program (human)
- PO1HL-08203-12 0030 Renal homotransplantation in man - New kidney call crossmatch test (human)
- PO1HL-08203-12 0034 Renal homotransplantation in man - Cellular immunity and blocking antibody in renal transplantation (human)
- ROIHL-11472-08 Venovenous pump-oxigenator bypass (dogs, human, cats)
- M PO1HL-13108-05 Clinical heart transplantation
- PO1HL-13108-05 0003 Clinical heart transplantation - Diagnosis of rejection (human)
- PO1HL-13108-05 0007 Clinical heart transplantation - Psychological and social evaluation (human)
- ** PO1HL-13108-05 0012 Clinical heart transplantation - Studies in the decerebrate patient
- ** PO1HL-13108-05 0013 Clinical heart transplantation - Vagal tone in the decerebrate patient
- ** PO1HL-13108-05 0014 Clinical heart transplantation - Pituitary function in the decerebrate patient
- ** PO1HL-13108-05 0015 Clinical heart transplantation - Hemodynamic effect of vasopressin on cardiovascular status of decerebrate patient
- ** PO1HL-13108-05 0016 Clinical heart transplantation - Angiographic evaluation of cardiac donor heart (human)
- ** PO1HL-13108-05 0022 Clinical heart transplantation - Circadian rhythms in the human transplanted heart
- PO1HL-13108-05 0030 Clinical heart transplantation - Myocardial blood flow patterns in the cardiac transplant (human)
- ** PO1HL-13108-05 0034 Clinical heart transplantation - The donor heart (human)
- PO1HL-13108-05 0037 Clinical heart transplantation - Lipoproteins in the pathogenesis of atherosclerosis in transplanted human heart
- ** PO1HL-13108-05 0038 Clinical heart transplantation - Frequency of lipoprotein antigen in donors and recipients (human)
- ** PO1HL-13108-05 0045 Clinical heart transplantation - Donor and recipient hearts (human)
- PO1HL-13108-05 0047 Clinical heart transplantation - Proliferating cells of atherosclerotic allografted coronary arteries (human)
- PO1HL-13108-05 0049 Clinical heart transplantation - Lipoprotein origin in the transplanted heart (human)
- PO1HL-13829-04 Bronchial perfusion for lung preservation (dogs)
- ROIHL-14333-03 Experimental and clinical lung transplantation (dogs, human)
- ** ROIHL-14799-03 Heart transplantation—Immunologic and physiologic studies (rats, dogs, mice)
- ROIHL-15246-01 Lung allotransplantation (baboon)
- ** PO1MH-11668-09 0072 Psychosocial factors in health and disease - Donor selection for renal transplantation
- ** ROIHM-18135-04 Self-image and family dynamics in transplantation (human)
- MOIRR-00031-14 0023 General clinical research center - Effect of vasodilators on intrarenal hemodynamics in man
- ** MOIRR-00036-14 0049 General clinical research center - Renal homotransplants from cadaver donors (human)
- MOIRR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- ** MOIRR-00044-14 0038 General clinical research center - Renal functional studies of kidney donors (human)
- MOIRR-00049-13 0018 General clinical research center - Renal homotransplantation—Modification of rejection (human)
- MOIRR-00049-13 0029 General clinical research center - Saluresis in uninephrectomy for transplantation (human)
- MOIRR-00051-13 0115 General clinical research center - Renal transplantation (human)
- MOIRR-00051-13 0135 General clinical research center - Organ transplantation—Extrarenal organs (human)
- MOIRR-00058-13 0012 General clinical research center - Renal homotransplantation (human)
- MOIRR-00076-12 0064 General clinical research center - Anti-lymphocytic serum in living renal transplant (human)
- MOIRR-00076-12 0065 General clinical research center - Anti-lymphocytic serum in cadaveric renal transplant (human)
- MOIRR-00076-12 0096 General clinical research center - Donor bone marrow infusion to living renal allograft (human)
- MOIRR-00076-12 0097 General clinical research center - Bone marrow infusion to cadaveric renal allograft in ALS treated patient
- MOIRR-00076-12 0098 General clinical research center - Thoracic duct drainage and ALS treatment in living renal allograft (human)
- MOIRR-00076-12 0099 General clinical research center - Thoracic duct drainage and ALS treatment in cadaveric renal allograft (human)
- ** MOIRR-00096-14 0038 Clinical research center - Renal failure and value of cadaveric kidney transplantation (human)
- MOIRR-00305-08 0081 Clinical research center for children - Bone marrow transplantation
- ** MOIRR-00400-06 0001 General clinical research center—adult - Study of donors in kidney transplants to diabetics (human)
- TISSUE FACTOR (TISSUE THROMBOPLASTIN)**
- SEE BLOOD COAGULATION, THROMBOPLASTIN
- TISSUE MOSAICISM**
- ROIAI-03204-14 Biochemical-genetic studies of type-specific antigens (primates, cattle, birds)
- ROIAI-09275-05 The lymphocyte and cellular immunity (rats, mice)
- ROIAI-09419-11 Irradiation and marrow transplantation in large animals (dogs)
- ** ROIAI-10658-02 Induction of unresponsiveness to allografts (dogs)
- ROIAI-10990-03 Radiation pathology and treatment in germline mice (and hamster)
- ROIAI-11326-02 Development of thymic lymphocytes (mice)
- ROIAI-11560-01 Immunobiology of the H-Y (male) antigenic system (mice)
- ** ROIAI-12007-09 immunologic tolerance in the marmoset
- ROIAM-13892-05 Development of gamma globulin-producing cells (mice)
- ROIAM-16802-01 A third generation artificial kidney (dogs, cattle, human)
- ROIICA-08593-08 Immune responses to tumor grafts (mice, sheep)
- PO2CA-10895-06 0011 Adult leukemia research center - Genetics (dogs, human)
- ROIICA-12779-02 Leukocyte regulatory mechanisms (human, mice, rats)
- PO2CA-13696-02 0035 Clinical cancer research center - Chromosome and cytologic studies in retinoblastoma (human)
- PO2CA-14520-02 0005 Wisconsin Clinical Cancer Center - Genetic transformation (gene therapy) in mammals (mice)
- ROIICA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
- ROIICA-16952-14 Sex chromosomes of cells (mice)
- ** PO1EY-00523-13 0014 Sensory disease clinical research center (eye disorders) - Increment thresholds (human)
- ROIEM-10356-11 Immunogenetics of man (and rabbits, mice)
- ROIEM-11782-11 Genetic aspects of tissue transplantation (frogs)
- PO1GM-15253-08 0039 Genetics in medicine—Gene action in man - Autoimmunity and gonadal dysgenesis
- PO1GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
- PO1GM-15422-07 0001 Program project in genetics - Cytogenetics (human, mice, reindeer)
- ROIEM-17096-05 Genetic change in developing cells of Drosophila

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

** Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- ** R01GM-18487-03 Mosaicism and developmental genetics (Drosophila)
- ** P01GM-19100-03 0031 Genetics research center - Fertility in women with 45X/46XX chromosome mosaicism
- R01GM-19241-03 Developmental genetics of the dog
- R01GM-19307-03 Genetic control systems in Drosophila development
- P01GM-20124-02 0002 Center for human genetics and inherited disease - Hereditary metabolic diseases in cultured liver cells (human, rats)
- R01GM-20549-02 Fluorescence and electron microscopy of chromosomes (human, toads)
- R01HD-00339-14 Cytogenetic studies in mental retardation (human)
- R01HD-02335-09 0005 Hormonal effects on growth and maturation - Sex chromosome abnormalities (human)
- P01HD-04147-06 0009 Research in mental retardation - Metabolic research unit
- R01HD-05084-04 Clinical and chromosomal variation in 1300 children
- R01HD-07983-01 Ultrastructural studies of embryonic determination (Drosophila)
- ** R01HD-08695-01 Developmental biology and gametogenesis (marmosets)
- ** P01HL-10436-09 0013 Congenital heart disease - Lung transplantation (mice)
- R01HL-13987-04 Transplantation of the lung (dogs)
- R01NS-08014-07 Genetics and behavior of neurological mutants (Drosophila)
- R01NS-11237-02 Brain development in normal and mutants (mice)
- R01NS-11788-01 Nervous system development and synapse formation (Drosophila)
- M01RR-00128-10 0048 General clinical research center for children - Bone marrow transplantation in bone marrow failure

TISSUE PRESERVATION

SEE ALSO BLOOD AND RE SYSTEM, BONE MARROW PRESERVATION

SEE ALSO BLOOD PRESERVATION

SEE ALSO CARDIOVASCULAR SURGERY, EXTRACORPOREAL CIRCULATION, PERFUSION EX-VIVO

SEE ALSO EYE BANKS

SEE ALSO FERTILITY, SEMEN PRESERVATION-ARTIFICIAL

FERTILIZATION

- R01AI-08439-07 Genetic factors in transplant survivals (human)
- M01AI-12257-05 Mouse alloantisera production, storage and distribution
- M01AI-22531-02 Evaluation of histocompatibility matching
- M01AI-22539-03 Histocompatibility-matching in renal transplantation
- ** R01AM-03361-15 Organ survival under experimental conditions (dogs)
- R01AM-07772-11 Effects of orthotopic liver transplantation (human, dogs)
- P01AM-08681-09 0016 Diseases of liver and portal circulation - Liver preservation (dogs)
- ** R01AM-09136-15 Studies in cryobiology (rabbits, turtles)
- ** P01AM-11290-08 Pathophysiology of organ transplant (human)
- ** R01AM-11748-07 0007 Regulation of metabolic processes - Biochemical investigation in relation to transplant surgery
- P02AM-13083-06 0059 Organ transplantation - Function after allotransplantation of pancreaticoduodenal graft (dogs)
- ** P02AM-13083-06 0080 Organ transplantation - Immunopathology (human, rats)
- P02AM-13083-06 0101 Organ transplantation - Small intestinal allotransplantation (dogs)
- ** P02AM-13083-06 0102 Organ transplantation - Organ preservation (dogs)
- ** R01AM-13935-05 Organ transplantation (dogs, pigs, monkeys, rabbits, rats)
- ** R01AM-14696-03 Organ preservation (dogs)
- ** R01AM-15091-04 Articular cartilage preservation and transplantation (rabbits, human)
- ** P01AM-15512-03 0008 University of Wisconsin program project in nephrology - Kidney preservation (dogs, human)
- P01AM-15512-03 0011 University of Wisconsin program project in nephrology - Renal metabolism in health and disease (dogs, human, rats)
- ** R01AM-15791-02 Preservation and regeneration of isolated kidneys (dogs)
- ** R01AM-15986-03 0004 Cirrhosis, ascites and the hepatic circulation - Stroma-free hemoglobin solution in shock (dogs)
- ** R01AM-16088-01 Significance of intrarenal flow during preservation (dogs)
- ** R01AM-16184-03 Effects of organ storage on renal RNA metabolism (mice)
- ** R01AM-16566-01 Isolation and transplantation of pancreatic islets (swine, human, rats)
- ** R01AM-16830-01 Renal cryopreservation (dogs)
- R01AM-17022-02 Treatment of hepatic failure (swine, human)
- R01AM-17188-01 Surgical transplantation of islets of Langerhans (rats, human)
- ** R01AM-17199-01 Prolonged survival of tissue cultured skin grafts (human)
- ** M01AM-71153-10 Pituitary gland storage bank (human)

- ** P02CA-06516-12 0011 Cancer center support grant- Comprehensive - Blood products and supportive care (human, rats)
- P02CA-07177-11 0005 Clinical cancer research center - Analysis for estrogen binding protein in breast tumors (human)
- ** P01CA-08748-09 5916 Research program of Sloan-Kettering Institute - Short-term liver preservation (swine)
- ** P02CA-11198-06 0002 Cancer research center - Tumor biology and bank (mice)
- R01CA-12131-03 Viral transformation genetics, and leukemia risk (human)
- ** P02CA-12247-03 0029 Pediatric oncology center - Platelet preservation
- ** R01CA-12754-03 Long-term banking of bone marrow for clinical use (human, rodents)
- ** P01CA-13095-03 0004 Virology, immunobiology and biochemistry of renal cancer - Establish tissue and serum bank (human, mammals nonhuman)
- R01CA-13451-02 The biology of human neuroblastoma
- P02CA-13696-02 0031 Clinical cancer research center - Tissue banks for tumors of the nervous system (human)
- P01CA-14599-01 0006 University of Chicago Cancer Research Center - Approach to immunotherapy of lung cancer (human)
- R26CA-15477-02 Establishment of cell cultures of human tumor urothelium
- ** R26CA-15480-01 Prostate cancer tissue collection center (human)
- R26CA-16430-01 Carcinoma of the prostate (human)
- R26CA-16764-01 Carcinoma of the colon (human)
- ** N01CB-23227-03 Measurement of immunological reactivity to human cancer
- N01CB-23867-03 Collection of specimens from patients with breast cancer
- N01CB-23869-01 Establish tissue culture lines from human breast cancer
- N01CB-23886-02 Facility for supplying immune related cell lines (mice)
- N01CB-43861-00 Procurement of tumor and serum from cancer patients
- ** N01CB-92142-13 Transplantation and preservation of plasma cell tumors in mice
- N01CM-33727-04 Research and development program in cancer chemotherapy (mice, dogs, monkeys)
- ** N01CP-22006-06 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- N01CP-22020-04 Cell biology facilities and tumor immunology (human, mammals nonhuman)
- ** N01CP-33201-01 Maintenance of low-temperature repository for cell lines from human tumors
- ** N01CP-33224-01 Collection of human specimens for virologic and immunologic studies
- ** N01CP-33237-02 Cell culture laboratory and associated research in viral oncology
- ** N01CP-33279-01 Isolate, propagate and store mutant vertebrate cells (mice)
- N01CP-33355-01 Purification and characterization of viruses
- ** N01CP-33359-01 Procuring fibroblast cultures and human tumors
- N01CP-33377-02 Supply blood and tissues from human leukemic controls
- N01CP-43244-00 Human tumor cell culture and mycoplasma activity (also mammals nonhuman)
- N01CP-43335-00 Human materials for transmissible agents in tumors
- ** N01CP-81010-10 Human trophoblast cell line
- ** R01EY-00266-11 Corneal preservation and keratoplasty (human, rabbits, guinea pigs)
- ** P01EY-00446-06 0005 External ocular disease center - Keratoplasty and corneal preservation (human)
- ** R01EY-00625-03 Electron microscopy of stored and preserved corneas (human, rabbits)
- R01EY-01340-01 Corneal electrophysiology (frogs, rabbits)
- ** R01GM-08472-14 Storage of kidney by hypothermia and perfusion (dogs)
- R01GM-17113-04 Radioscintigraphy demonstration of thrombophlebitis (human, dog, monkey)
- ** R01GM-17959-03 Preservation of organs by freezing (human, rodents, rabbits, frogs)
- ** R01GM-20531-01 Principles of cryopreservation
- R01GM-21127-01 Serum glycoproteins as cryoprotective agents (antarctic fish)
- R01HD-00836-11 Laboratory for the study of human embryos and fetuses
- ** R01HD-04004-06 0002 Program on senescence in cultured human cells - Longevity of WI-38 at 196°C and the effect of cryogenic storage on phase III
- ** R01HD-07632-01 Freeze drying of nucleated mammalian cells (cattle)
- ** M01HD-22729-06 Repository for tissue evaluation of contraceptive steroids (monkeys, dogs)
- ** M01HI-92245-11 Production of cells from neuroblastomas (human, mammals, non-human)
- P01HL-05435-14 0023 Cardiovascular research and training program - Cell biophysics-Mycardial biology (human, animals)
- R01HL-06163-13 Heart transplantation (dogs)
- M P01HL-06312-13 Surgical cardiology

- ** P01HL-06312-13 0032 Surgical cardiology - Preservation of the heart by perfusion (dogs)
- ** P01HL-06312-13 0033 Surgical cardiology - Organ preservation-Cryopreservation (dogs, rats)
- ** P01HL-06664-13 0031 Cardiopulmonary function in remediable vascular disease - Tissue transplantation and preservation techniques in vascular surgery (rat, dog)
- ** P01HL-08203-12 0004 Renal homotransplantation in man - Regional organ procurement program (human)
- ** P01HL-08203-12 0005 Renal homotransplantation in man - Preservation of cadaver kidneys (human)
- ** P01HL-09011-11 0004 A research and resource program in blood - Cryobiology (human, primates)
- ** R01HL-10416-09 Shock, hepatorenal syndrome, kidney preservation (human, dogs)
- P01HL-10436-09 0002 Congenital heart disease - Myocardial performance and metabolism in hearts of large animals (dogs, calves)
- ** R01HL-10981-06 Cryopreservation of cardiac muscle and whole hearts (frogs, rats)
- P01HL-11414-07 0026 Thrombosis and atherosclerosis program - Platelets in maintenance of endothelial integrity (rats)
- ** R01HL-11472-08 Venovenous pump-oxygenator bypass (dogs, human, cats)
- ** R01HL-11730-06 Lung homotransplantation (dogs)
- P01HL-13517-04 0007 Circulatory performance and prediction - Surgical approach to cardiac problems and their validity (children, lambs)
- ** P01HL-13737-04 0018 Assisted circulation - Heart transplantation and preservation (dogs)
- ** R01HL-13829-04 Bronchial perfusion for lung preservation (dogs)
- P01HL-14322-03 0007 Interdisciplinary program in biomaterials science - Study of heat transfer processes in biologic materials (animals)
- R01HL-14333-03 Experimental and clinical lung transplantation (dogs, human)
- ** R01HL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)
- R01HL-15520-02 Total blood replacement by fluorocarbons and polyols (rats, monkeys)
- R01HL-16247-01 Factors influencing substrate uptake by the lung (rats)
- R01HL-16476-01 Experimental lung transplantation (dogs, foxes)
- R01HL-16682-01 Infection in peripheral vascular prosthetic grafts (dogs)
- R01NS-01791-16 Response of inner ear to injury (chinchillas, guinea pigs)
- P01NS-09823-04 0007 Communicative disorders clinical research center - Temporal bone morphology (human)
- ** R01NS-11447-01 The national temporal bone banks center (human)
- ** M01NS-42301-00 Prepare and deliver various cell cultures
- M01RR-00042-14 0014 General clinical research center - Rejection in renal transplants (human)
- M01RR-00051-13 0120 General clinical research center - Organ transplantation-Hyperacute rejection (human)
- M01RR-00058-13 0012 General clinical research center - Renal homotransplantation (human)
- M01RR-00064-10 0003 General clinical research center - Renal homotransplantation (human)
- M01RR-00065-12 0013 General clinical research center - Cardiac transplantation (human)
- ** M01RR-00069-12 0085 General clinical research center, children - Organ transplantation-hyperacute rejection (dogs, swine)
- ** M01RR-00070-12 0078 General clinical research center - Homologous transplantation in vitro cultured human skin

TISSUE PRESERVATION, TISSUE STORAGE IN VIVO

- ** P01HL-06312-13 0019 Surgical cardiology - Cardiac transplantation-Excision recipient storage and reimplantation (dogs)
- ** P01HL-08203-12 0029 Renal homotransplantation in man - Long term canine kidney preservation
- R01HL-12850-05 Heart transplantation and antilymphocytic serum treatment (rodents, ungulate)
- ** P01NS-11631-01 0001 Clinical center for research on Parkinson's and allied diseases - Parkinson's disease brain bank studies (human)

TISSUE RESPIRATION

SEE RESPIRATION INTERNAL

TISSUE SPACES

SEE BODY FLUIDS, TISSUE SPACES

TISSUE STORAGE (XENORANKING) IN VIVO

SEE TISSUE PRESERVATION, TISSUE STORAGE IN VIVO

TISSUE STRENGTHENING AGENTS

R01HL-14845-02 Aortic valve grafts for cardiac valve replacement (dogs, swine, human)

TISSUE SUPPORTING FRAMES

SEE BIOMATERIALS, TISSUE SUPPORTING FRAMES

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

TISSUE THERAPY

- ** R01AM-15398-04 Pancreatic islets and beta cell studies (human, mice, rats, rabbits)
 ** R01AM-17154-01 Therapy of metabolic diseases (human)
 R01CA-14040-01 Influence of portacaval shunt on tumor growth (rats)
 ** P18HL-15165-03 0010 Comprehensive sickle cell disease center - Comparative study of therapy of leg ulcers in sickle cell anemia (human)

TITANIUM (COMPOUNDS)

SEE METALS, HEAVY METALS, TITANIUM

TITRATIONS, POTENTIOMETRIC

SEE ELECTRIC TITRATIONS*

TME VIRUS

SEE VIRUSES, NEUROTROPIC, TME VIRUS

TOADS AND FROGS

SEE AMPHIBIANS, ANURANS*

TOBACCO AND TOBACCO PRODUCTS

SEE CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS

TOBACCO MOSAIC VIRUS

SEE VIRUSES OF PLANTS, TOBACCO MOSAIC VIRUS

TOCOPHEROL DEFICIENCY

SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS E

TOCOPHEROLS

SEE VITAMIN E

TOFRANIL

SEE AZEPINES, IMIPRAMINE

TOGAVIRUSES

SEE VIRUSES, TOGAVIRUSES

TOLAZOLINE

SEE IMIDAZOLES, TOLAZOLINE

TOLBUTAMIDE

SEE SULFONYLUREA, TOLBUTAMIDE

TOLERANCE

SEE CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
 SEE DRUGS TOLERANCE
 SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS
 SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

TOLONIUM CHLORIDE

SEE PHENOTHIAZINES, TOLUIDINE BLUE

3-O-TOLOXY-1,2-PROPANEDIOL

SEE LIPIDS, GLYCERYL ETHERS, MEPHENESIN

TOLUENE

SEE PHENYLALKANES, TOLUENE

TOLUENE SULFONYL ARGININE METHYL ESTER

SEE DIAMINO ACIDS, TAME

ALPHA-TOLUIC ACID

SEE PHENYLACETIC ACIDS

TOLUIDINE BLUE

SEE PHENOTHIAZINES, TOLUIDINE BLUE

ALPHA-(O-TOLYL)GLYCERYL ETHER

SEE LIPIDS, GLYCERYL ETHERS, MEPHENESIN

TOMOORAPHY

SEE RADIOGRAPHY, TOMOGRAPHY*

TOMOGRAPHY, COMPUTERIZED TRANSAXIAL

SEE RADIOGRAPHY, ACTASCAM*

TOMOGRAPHY, RADIOISOTOPE

SEE RADIOAUTOGRAPHY, RADIOISOTOPE TOMOGRAPHY*

TONGUE

SEE ORAL-PHARYNGEAL, TONGUE

TONOFIBRILS

SEE CELL COMPONENTS, TONOFIBRILS

TONOMETRY

SEE EYE EXAMINATIONS, GLAUCOMA TESTS*

TONSILLECTOMY

SEE SURGERY, OTOLARYNGOLOGIC, TONSILLECTOMY

TONSILLITIS

SEE ORAL-PHARYNGEAL DISORDERS, TONSILLITIS

TONSILS

SEE ORAL-PHARYNGEAL, PHARYNX, TONSILS

TOOLAN H-1 VIRUS

SEE VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV), H-1

TOOLAN H-3 VIRUS

SEE VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV), H-3

TOOTH

SEE DENTAL STRUCTURE, TOOTH

TOOTH, ARTIFICIAL, ENDOSSEOUS IMPLANT

SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

TOOTH DYSPLASIA, CONGENITAL

SEE CONGENITAL ABNORMALITIES, DENTITION

TOOTH ERUPTION

SEE DENTAL DEVELOPMENT

TOOTH GERM

SEE DENTAL STRUCTURE, TOOTH GERM

TOOTH LOSS

SEE DENTAL DISORDERS, TOOTH LOSS

TOOTH REIMPLANTATION

SEE DENTISTRY, ENDOODONTICS, TOOTH REIMPLANTATION

TOOTH RESORPTION

SEE DENTAL DISORDERS, TOOTH RESORPTION

TOOTH ROOT

SEE DENTAL STRUCTURE, TOOTH ROOT

TOOTH ROOT CANAL

SEE DENTAL STRUCTURE, TOOTH ROOT CANAL

TOOTH WEAR

SEE DENTAL STRUCTURE, TOOTH WEAR

TOOTHACHE

SEE DENTAL PAIN

TOPECTOMY (PSYCHOSURGERY)

SEE BRAIN LESIONS SURGICAL, PSYCHOSURGERY

TORSION SPASM

SEE NEUROMOTOR DISORDERS, DYSTONIA MUSCULORUM DEFORMANS

TORULOPSIS HISTOLYTICA

SEE FUNGI, YEASTS, CRYPTOCOCCUS NEOFORMANS*

TORULOPSIS NEOFORMANS

SEE FUNGI, YEASTS, CRYPTOCOCCUS NEOFORMANS*

TOTAL BODY PERFUSION (BLOOD REPLACEMENT)

SEE BLOOD TREATMENT, WHOLE BODY PERFUSION (BLOOD REPLACEMENT)

TOUCH

SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TOXALBUMINS (PLANT)

SEE TOXICOLOGY, PLANT POISONS, TOXALBUMINS (PLANT)

TOXAPHENE

SEE PESTICIDES, INSECTICIDES, CHLORINATED HYDROCARBON INSECTICIDES, TOXAPHENE

TOXEMIA, MICROBIAL TOXINS

SEE BLOOD TOXICOLOGY, BACTEREMIA - SEPTICEMIA

TOXEMIAS OF PREGNANCY

SEE PREGNANCY TOXEMIAS AND HYPERTENSION

TOXIC LIVER DISORDERS

SEE LIVER DISORDERS, TOXIC LIVER DISORDERS

TOXICOLOGY

SEE ALSO AIR POLLUTION
 SEE ALSO BLOOD TOXICOLOGY
 SEE ALSO ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

SEE ALSO PHARMACOLOGY-TOXICOLOGY REVIEW COMMITTEE

SEE ALSO PSYCHOSIS, TOXIC

SEE ALSO SOIL POLLUTION

SEE ALSO WATER POLLUTION

- R01AA-00217-07 Chronic alcohol consumption in primates (chimpanzees)
 R03AA-01199-01 Acetaldehyde and tetrahydroisoquinolines - Toxicology
 N01AI-02132-06 Interferon, interferon inducers and antiviral substances (swine)
 R01AI-09846-05 New antibiotics isolation, synthesis and evaluation (plants, bacteria, fungi)
 R22AI-10683-03 Antimonial antihelminthic agents (rats, mice)
 N01AI-22518-03 Research antiviral substances and animal systems
 N01AI-42524-00 Research antiviral substances and animal systems
 R01AM-01855-20 N-acyl, N-carbamyl amino acid metabolism (human, cattle)
 M R01AM-04524-14 Requirements of polyunsaturated fatty acids
 R01AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
 ** R01AM-10785-18 Abnormal nucleic acids in aplastic anemia (cattle)
 R01AM-10894-08 0004 Genetic metabolic diseases of infancy and childhood - Galactose toxicity (chicks, rats)
 N01AM-22209-03 Study amine metabolism in uremia (human)
 N01AM-22215-03 Uremic toxicology

- ** N01AM-42219-00 Detect toxicity of extracted constituents from dialyzers (mammals)
 R01CA-07803-11 Biologically-active fatty acid derivatives
 P01CA-08748-09 7202 Research program of Sloan-Kettering Institute - Comparison of activity of pyrimidine derivatives with ARA-C (human, mice)
 P01CA-08748-09 7401 Research program of Sloan-Kettering Institute - Activity and toxicity of 2, 4-diaminoquinazolines (mice, hamsters)
 R01CA-10604-07 Carcinogenesis by aromatic amides (hamsters, rats)
 P01CA-13343-02 0015 Environmental cancer - Toxicology - Mouse population studies
 ** P02CA-13943-02 0012 Clinical pharmacology immunology cancer research center - Animal tumor studies and toxicology (mice, rats)
 ** P02CA-13943-02 0018 Clinical pharmacology immunology cancer research center - Prediction of clinical toxicity due to chemotherapy (rats, human)
 P02CA-13943-02 0020 Clinical pharmacology immunology cancer research center - Detection of immune responses to tumor cell antigens of solid tumors
 ** P02CA-13943-02 0039 Clinical pharmacology immunology cancer research center - Azarabine metabolism and CNS toxicity in man
 P02CA-13943-02 0004 Clinical pharmacology immunology cancer research center - Pulmonary function tests in patients treated with bleomycin
 R10CA-15457-01 Western Cancer Study Group
 ** N01CM-02055-13 Preclinical evaluation of compounds (mice, rats, dogs, monkeys)
 N01CM-22078-04 Develop active antitumor agents from natural sources
 ** N01CM-33704-03 Methotrexate-Hepatotoxicity study (human)
 N01CP-02210-08 Carcinogenesis bioassay of pesticides (mice, rats)
 ** N01CP-23252-04 Carcinogenic bioassay of environmental chemicals (mice, rats)
 ** N01CP-23253-01 Carcinogenesis bioassay of environmental chemicals (rats)
 N01CP-23278-04 Bioassay of environmental chemicals
 ** N01CP-33315-01 Environmental occurrence of N-nitroso compounds
 N01CP-33327-01 Group testing for screening carcinogens (mammals nonhuman)
 N01CP-43267-00 Carcinogenesis bioassay of pesticides (mice, rats)
 N01CP-43361-00 Prepare and analyze cigarette smoke condensate samples
 ** P01DA-00250-03 0013 Research center - Studies of drug dependence and abuse - Morphological and functional toxicity of methamphetamine (monkeys)
 P01DA-00250-03 0015 Research center - Studies of drug dependence and abuse - Studies in the Illinois drug abuse program
 R01DA-00866-02 Long-acting narcotic antagonist for addiction (dogs, rats)
 N01DA-10015-02 Long-term effects of marijuana in chimpanzees
 N01DA-10089-03 Determine effects of natural and synthetic marijuana in humans
 ** N01DA-30178-00 Toxicological evaluation of narcotics and/or narcotic antagonists in animals
 ** N01DA-30262-00 Toxicological evaluation of one narcotic and/or narcotic antagonist in animals
 ** N01DA-40132-00 Toxicological evaluation of narcotics and narcotic antagonists (animals)
 N01DE-32425-01 Fluorescent dye diagnosis for detection of dental caries (human)
 ** P10ES-00002-12 0009 Occupational and environmental health - Organophosphate toxicity and tissue hydrolases (rodents, chickens, frogs, fish)
 M P01ES-00040-10 Environmental toxicology of pesticides
 M P01ES-00044-10 Mechanisms of pesticide action
 P01ES-00044-10 0002 Mechanisms of pesticide action - Molecular basis for comparative toxicity (insects, mammals nonhuman)
 ** P01ES-00044-10 0003 Mechanisms of pesticide action - Action and metabolism of herbicides (plants, mammals nonhuman)
 P01ES-00044-10 0004 Mechanisms of pesticide action - Intermediary metabolism of phospholipids (insects, mice)
 P01ES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)
 P01ES-00044-10 0006 Mechanisms of pesticide action - Genetic effects of toxicants (wasps, shrimp)
 ** P01ES-00044-10 0007 Mechanisms of pesticide action - Intracellular distribution of pesticides (insects, mice)
 M P01ES-00049-10 Mode of action and metabolism of organic toxicants
 P01ES-00049-10 0005 Mode of action and metabolism of organic toxicants - Chlorinated hydrocarbons-2,3,7,8-tetrachlorodibenzo-p-dioxin (rats, mice)
 P01ES-00049-10 0006 Mode of action and metabolism of organic toxicants - Use of photosensitizers in regulating the persistence of pesticide chemicals
 P01ES-00049-10 0008 Mode of action and metabolism of organic toxicants - Toxaphene (rats, insects, plants, microorganisms)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PO1ES-00049-10 0009 Mode of action and metabolism of organic toxicants - Rotenone-Metabolism and photoliteration (mice rats, fish)

PO1ES-00049-10 0010 Mode of action and metabolism of organic toxicants - Organotin pesticide chemicals-Metabolism and photodecomposition (rodents)

PO1ES-00049-10 0011 Mode of action and metabolism of organic toxicants - Respiratory uncouplers-Metabolism and photodegradation (mites)

PO1ES-00049-10 0013 Mode of action and metabolism of organic toxicants - Organophosphorus insecticides-Selective toxicity, terminal residues (rats)

PO1ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)

** PO1ES-00049-10 0019 Mode of action and metabolism of organic toxicants - Thiocyanate insecticide chemicals-Metabolism and mode of action (flies, mice)

PO1ES-00049-10 0021 Mode of action and metabolism of organic toxicants - Arylthioureas-Metabolism and mode of action (mice, Drosophila)

PO1ES-00049-10 0022 Mode of action and metabolism of organic toxicants - Thiocarbamate herbicides-Metabolism and mode of action (mice, plants)

** PO1ES-00049-10 0025 Mode of action and metabolism of organic toxicants - Polycyclic phosphorus compounds with toxicological properties (mice, chicks)

RO1ES-00121-09 Oxidation dealkylation of insecticides (rats, human, fish, quail)

** P10ES-00210-07 0026 Center for environmental management - Biochemical toxicology (swine, rats)

P10ES-00210-07 0027 Center for environmental management - Prediction of effects of environmental toxicants

M PO1ES-00226-08 Comparative environmental toxicology

** PO1ES-00226-08 0002 Comparative environmental toxicology - Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit)

** PO1ES-00226-08 0003 Comparative environmental toxicology - Interaction of polychlorinated biphenyls (rodents, dogs, swine, monkeys)

** PO1ES-00226-08 0004 Comparative environmental toxicology - Interaction of carrageenan with other agents (rodents, rabbits, dogs, primates)

** PO1ES-00226-08 0005 Comparative environmental toxicology - Interaction of MSG with other agents (rodents, dogs, swine, monkeys)

M P10ES-00260-12 Research in the environmental health sciences

M P10ES-00267-07 Center for environmental toxicology

M PO1ES-00454-06 Biological effects of environmental agents

PO1ES-00454-06 0008 Biological effects of environmental agents - Phthalate ester plasticizers (human, laboratory animals)

** PO1ES-00454-06 0017 Biological effects of environmental agents - Effect of CO and low O₂ on muscle performance (cats, mice)

** RO1ES-00459-04 Inhalation toxicology of environmental agents (rats)

** RO1ES-00552-01 Mouse populations as test systems in toxicology

RO1ES-00560-03 Perinatal pesticide toxicity (mice, rats)

M PO1ES-00597-04 Food-borne environmental toxicants

** PO1ES-00597-04 0005 Food-borne environmental toxicants - In-vivo alkylation of environmental agents (rats)

RO1ES-00855-01 Retention of aerosols in laboratory animals (rats, mice)

** NO1ES-22084-06 Long range toxicologic effect of specific fungicides (rats, mice)

NO1ES-42164-00 Exposure to airborne environmental agents (rats, rabbits, hamsters)

RO1EY-01278-01 Pharmacology of lenticular ion transport (toads)

RO1FD-00689-01 The toxicity and potency of tetracyclines

** P11GM-12675-10 0049 Biochemical toxicology and pharmacology - Heme and hemoprotein synthesis-Drug metabolism, and pharmacology (rats, fish)

RO1GM-16973-05 Biochemical effects of burning on skin (rabbits, mice, human)

RO1GM-17116-05 Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human)

RO1GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)

** PO1GM-18674-03 0007 Diagnostic radiology research and training center - Myocardial toxicity of contrast agents (dogs)

** RO1GM-20227-01 CNS cellular response to contrast ventriculography (rhesus monkey)

** RO1GM-20457-02 0001 GC-MS and stable isotopes in pharmacological research - Alcohols selectively toxic in the primate (monkey, human, rats, dogs)

** NO1HB-22990-02 Toxicology of plastics having contact with blood

NO1HB-22991-02 Toxicology of plastics having contact with blood (dogs)

** NO1HB-32908-02 Toxicology of plastic devices having contact with blood (human, animals)

PO1HD-02274-08 0019 Mental retardation and child development - Bilirubin metabolism (human, primates, cattle)

** PO1HD-04612-06 0008 Mental retardation research center - Ultrastructure, biochemistry underlying nervous system teratogenesis (rats, cats)

RO1HD-09026-01 Bilirubin photochemistry and pyrrole photoxidation

NO1HD-12223-06 Develop and test a reversible contraceptive device (guinea pigs)

PO1HL-06349-13 0011 Cardiovascular disease clinical program project - Pharmacodynamics-Behavioral response to adrenergic amines (rats, mice)

RO1HL-07502-10 Phytochemistry of the genus thalictrum (dogs, plants)

** PO1HL-08214-11 0035 Chemical and biological properties of lipids - Toxicant action of ozone in mammalian tissues

RO1HL-14663-03 Pulmonary oxygen toxicity in newborn mice

PO1HL-16117-01 0007 Ion movements and membranes in cardiovascular control - Physiological and molecular properties of ionophores (dogs, rabbits)

RO1HL-16643-01 Fluorocarbon emulsions as artificial blood (animals)

** NO1LM-14733-13 On-line search and retrieval program

** NO1LM-40044-10 0047 - ADVISORY SERVICES TO THE TOXICOLOGY-INFORMATION PROGRAM

NO1LM-44738-00 Building toxicology data files

** PO1NS-11417-01 0008 Core program project in communicative disorders - Ototoxicity

NO1NS-22321-03 Analyses of ancillary studies-perinatal project

RO1OH-00322-06 Health hazards of the di-isocyanates (human)

PO6RR-00421-13 Primate research program resource

SO6RR-08061-03 Biomedical research improvement program (Texas Southern University) (human)

TOXICOLOGY, ANIMAL POISONS

SEE ALSO CARDIAC GLYCOSIDES AGLYCONES, BUFADIENOLIDES

SEE ALSO FOOD POISONING, SEAFOOD POISONING

SEE ALSO TOXICOLOGY, FISH POISONS

** RO1ES-00854-03 Chemical nature and mode of action of Cnidarian toxins (rats, guinea pigs)

** RO1HL-13671-02 The molecular structure of polytoxin (coelenterates)

RO1NS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)

RO1NS-08174-06 Molecular properties of ionic permeability in nerve (frogs)

TOXICOLOGY, ANIMAL POISONS, ARTHROPOD

SEE ALSO TOXICOLOGY, ANIMAL POISONS, INSECTS BITES

STINGS VENOMS

** RO1FD-00146-05 Characterization of arthropod toxicants (mammals)

TOXICOLOGY, ANIMAL POISONS, ARTHROPOD, SPIDER

RO1NS-10883-01 Transmitter release at the nerve-muscle junction (frogs)

TOXICOLOGY, ANIMAL POISONS, BATRACHOTOXIN

** NO1AM-42203-00 Isolation and elucidation of structure of alkaloids from neotropical frogs

TOXICOLOGY, ANIMAL POISONS, INSECTS BITES

STINGS VENOMS

RO1AI-02908-15 Secretions of arthropods (amphibians, birds, reptiles, rodents)

RO1AI-08270-07 An in vitro approach to problems of clinical allergy (human)

P15AI-10397-02 Reaction to stinging insects (human, monkeys, rodents)

P15AI-11403-02 0002 Allergic diseases center grant - Application of radioimmunoassay to immediate-type hypersensitivity (human)

** RO1FD-00146-05 Characterization of arthropod toxicants (mammals)

TOXICOLOGY, ANIMAL POISONS, REPTILE

** RO1ES-00700-01 Mechanism of the neurotoxicity of venoms (mice)

RO1HL-01601-26 Blood coagulation and hemorrhagic disease (human, crabs)

PO1HL-16251-01 0010 Membrane-bound enzymes in heart and other tissues - Reversible activation of L-amino acid oxidase (snakes)

TOXICOLOGY, ANIMAL POISONS, TETRODOTOXIN

RO1AM-14134-03 Mechanisms of drug-induced diabetes (mice, rats)

RO1EY-00236-13 Visual coupling reactions (Limulus)

RO1GM-05147-17 Synthesis of natural products

** RO1GM-16031-13 Amphibian toxins-Chemistry and pharmacology (frogs, fish, cats)

RO1HD-04817-05 Nerve-muscle interactions in embryonic development (chick embryo, rats, newts)

RO1HL-13339-05 Pharmacology of developing cardiac tissues (chick embryo)

RO1HL-13349-05 Analysis of activation process in heart muscle (guinea pigs, rabbits, human)

P17HL-15061-03 0005 Response of lung to injury - Airway smooth muscle in health and disease (human, dogs, guinea pigs)

RO1HL-16567-01 Differentiation of the heart-cell membrane (mice, chick)

PO1MH-16674-06 0004 A program of psychiatry-oriented biological research - Uptake of H₃ dopamine by striatal tissues-Effect of cations (rats)

PO1MH-16674-06 0008 A program of psychiatry-oriented biological research - Effects of ions and drugs on dopamine release from minces of rat corpus striatum

RO1NS-03304-13 0004 Proteins in excitable membranes - Monocellular electroplex and membrane excitability studies

PO1NS-07512-06 0029 Neuronal development, interaction and organization - Transmission and trophic actions at receptor synapses of electroreceptors (fish)

** RO1NS-08304-07 Mammalian C fibers (crabs, rabbits, fish, squid)

RO1NS-08618-04 Drugs and thermoregulatory mechanisms (cats, squirrel monkeys)

RO1NS-09985-03 Isolation and reconstitution of excitable membranes (cattle)

PO1NS-10175-03 0011 Neuromuscular disease research center - Acute effects of paraion on transmitter release (rats)

RO1NS-10294-03 Neurochemistry and kinetics of synaptic transmission

RO1NS-10500-02 Biochemical probes of excitable membranes (crayfish)

RO1NS-10823-02 Cellular neuropharmacology of drug action

PO1NS-10981-02 0003 Control of activity in excitable tissues - Chemical modification and ultrastructural changes in axon membranes (animals)

PO1NS-10981-02 0004 Control of activity in excitable tissues - Ultrastructure of excitable membranes (crayfish, turtles, rabbits)

PO1NS-10981-02 0006 Control of activity in excitable tissues - Conductance of single open sodium channel (lobsters)

RO1NS-11264-01 Amino acids as neurotransmitters (cats)

PO1NS-11766-01 0013 Clinical research center for neuromuscular disease - Pathophysiology of dystrophic muscle (human)

TOXICOLOGY, ANIMAL POISONS, VENOMS

SEE ALSO IMMUNOLOGY, ANTITOXINS, ANTIVENOMS

RO1AI-11843-02 Non-specific resistance to infection, intoxication (human, rodents, dog, chicken)

RO1AM-13572-05 A serum C3 inactivator in nephritis (human)

RO1CA-11446-06 Tryptophan hematology and neoplastic disease (human, mice, brown recluse spider)

** RO1CA-13449-02 Antitumor components from animal venoms (mice)

** P10ES-00267-07 0012 Center for environmental toxicology - Basic proteins of Elapid venoms-Mechanism of action (rats, mice)

** RO1ES-00700-01 Mechanism of the neurotoxicity of venoms (mice)

RO1FD-00014-07 Neutralizing snake venom toxicity by chemical agents (mice)

RO1GM-06241-16 Properties of cytochrome oxidase (rats)

** RO1GM-15591-07 Hemorrhagic and necrotic toxins in snake venoms (mice)

** RO1GM-19172-03 Sea snake venoms and toxins (mice)

** PO1HL-06350-13 0020 Hemostasis research program project - Structure and function of coagulant venom proteases

RO1HL-07379-09 Structure of fibrinogen (human)

RO1HL-07703-12 Chemistry of human blood coagulation

RO1HL-09985-08 Synthetic fibrinolytic/thrombolytic agents (human, rats)

RO1HL-14302-03 Induced chronic intravascular coagulation (dogs)

RO1HL-15491-02 Blood coagulation-Platelet-plasma protein interaction (human, rabbit)

RO1HL-16346-05 Automated fluorescence tests for blood clotting (human)

PO1HL-16411-01 0001 Blood systems in coagulation and vessel disease - Molecular studies of the role of complement in blood coagulation (human, rabbits)

RO1HL-16449-01 Microcirculation, hemofluidity and hemostasis (dogs)

RO1HL-16582-01 Artificial lungs (dogs, monkeys)

PO1HL-16769-01 0002 Pathobiologic and host defense reactions in the lung - Pathogenesis of complement dependent injury to the lungs (rabbits, monkeys)

PO1NS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)

RO1NS-11445-01 Transmitter release from the neuromuscular junction (frogs)

PO1NS-11766-01 0007 Clinical research center for neuromuscular disease - Protein components in excitable membrane fragments (electric eel, mammals)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

M01RR-00262-09 0054 General clinical research center - Thromboembolic disorders (human)

TOXICOLOGY, CARBON TETRACHLORIDE POISONING

- R01AM-01489-17 Toxic liver necrosis and fatty liver (rats)
 ** R01AM-08686-09 Cytochemical studies in liver injury (mice, rats, guinea pigs, monkeys, human)
 ** R01AM-13195-05 Carbon tetrachloride hepatotoxicity (rats, guinea pigs)
 ** R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
 ** R01AM-16551-03 Drug and hormone effects on carbohydrate metabolism (rats)
 R01AM-16774-02 Structural parameters in hepatic disease (rats)
 P17AM-17702-01 0004 Hepatitis cirrhosis center - Collagen in hepatic fibrosis (mice, rats)
 P01CA-12227-04 0012 Core program in carcinogenesis - Ultrastructural study of hepatic cell nuclei (rats, guinea pigs)
 R01CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
 R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
 P10ES-00002-12 0005 Occupational and environmental health - Liver alkaline phosphatase increase after toxic exposure (rats)
 P10ES-00002-12 0006 Occupational and environmental health - Modification of toxicity of chlorinated aliphatics (rats)
 P10ES-00002-12 0007 Occupational and environmental health - Interaction of chlorinated hydrocarbons and drugs on microsomal enzymes (rats)
 P01ES-00040-10 0009 Environmental toxicology of pesticides - Pharmacological effects of pesticides (mice, rats, dogs)
 P01ES-00597-04 0005 Food-borne environmental toxicants - In-vivo alkylation of environmental agents (rats)

TOXICOLOGY, CYTOTOXICITY

SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*

SEE ALSO IMMUNOLOGY, ANTIBODIES, AGGLUTININS

- R01AA-00643-01 Lymphocyte reactivity in liver disease (human/animals)
 R03AA-01392-01 Effect of alcohol on chromosomes (mice)
 R01A-02566-15 Chemical and biological studies of complement (mice, guinea pigs)
 P02AI-06320-10 0009 Transplantation immunology center - Biological activities of purified fractions against murine sarcoma
 R01A-06455-10 Specificity and information transfer in sensitivity (rats, mice)
 R01A-07257-08 Endotoxin and pathogenesis of infection (mice, rats)
 R01A-07423-08 Graft-versus-host reaction as an immune response (rats, guinea pigs)
 R01A-08817-06 Regulation of cells of the immune system (human, animals)
 ** R01A-10593-03 Characterization of human non-HL-A leukocyte antigens
 R01A-11013-01 In vitro study of human allograft immunity
 R22AI-11289-02 Immunologic responses to Schistosoma mansoni (mice, rabbits)
 R01A-11326-02 Development of thymic lymphocytes (mice)
 R01A-11438-02 Ultrastructural aspects of cellular immunity (mice)
 P01A-11576-02 0001 Lymphocyte biology - In vitro studies of cellular immunity (human, mice)
 ** R01A-11636-01 Normal and virus-infected animal cells
 ** R01A-11923-01 Presensitization in kidney transplants (human, dogs)
 R01A-11982-01 Serological analysis of epidermal cell antigens (mice, rats, guinea pigs)
 R01A-12054-01 Heterogeneity of murine thymus derived lymphocytes
 R01A-12155-01 Histocompatibility antigens in a black population (human)
 R01A-12184-01 T cells subpopulations in transplantation immunity (mice, rabbits)
 R01A-12198-01 Transfer factors from human lymphoid cell lines
 ** R01A-12235-01 Antibody dependent cell mediated cytotoxicity (mice)
 P01A-12381-01 0011 Center for study of sexually transmitted diseases - Chick embryo as animal model for gonorrhea
 R01AM-00068-23 Mucoproteins, intrinsic factor, B12 vitamins (human, animals)
 R01AM-07239-11 Studies on erythropoietin (human, mice)
 R01AM-08418-10 Local immune response in rheumatoid synovitis (human)
 P01AM-09001-10 0032 Biochemistry and immunology of blood diseases - Reversible bone marrow toxicity (dogs)
 ** P01AM-09001-10 0041 Biochemistry and immunology of blood diseases - Toxic effects of CO on blood oxygen transport

- ** P01AM-09989-09 0001 Immunological and other aspects of rheumatic diseases - Cytotoxins in dermatomyositis and polymyositis (human)
 R01AM-12458-07 Regulatory control of lymphocyte differentiation (rats, rabbits)
 ** P02AM-13083-06 0078 Organ transplantation - Human antibodies cytotoxic for lymphocytes
 R01AM-15171-02 Experimental immune colitis due to bacterial antigens (human, guinea pigs)
 ** R01AM-15494-03 Lymphocytotoxicity in systemic lupus erythematosus (human)
 ** R01AM-16183-03 Detection of injury in cellular membrane systems (rats, human)
 R01AM-16894-02 Immunopathology of cartilage proteoglycans (human, rabbits)
 R01AM-17376-02 Transplant rejection and C 3 conversion inhibition (human, dogs)
 R01AM-32212-02 Hyperlipidemia and atherogenesis (rats)
 R01CA-01594-23 Immunology of cancer (mice)
 R01CA-03528-17 Nucleic acid studies in cancer chemotherapy (human, rats)
 R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
 P02CA-05826-13 0038 Clinical cancer research center - Cancer immunobiology-cell-mediated immune reactions to human cancer
 R01CA-06420-13 Karyotype and phenotype of malignant cells (human, rats, hamsters)
 P02CA-06516-12 0012 Cancer center support grant-Comprehensive - Cancer epidemiology
 P02CA-06516-12 0018 Cancer center support grant-Comprehensive - Development of T-lymphocytes (rabbits, mice)
 P02CA-06516-12 0020 Cancer center support grant-Comprehensive - Cellular and antibody immune responses (human, mice)
 P02CA-06516-12 0021 Cancer center support grant-Comprehensive - Cryopreservation of human lymphoid and tumor cells
 P02CA-06516-12 0022 Cancer center support grant-Comprehensive - Mechanism of SV40 protection (mice)
 P02CA-06516-12 0023 Cancer center support grant-Comprehensive - Measurements of cell mediated immunity in man
 ** P02CA-06551-11 0014 Cancer clinical research - Drug metabolism (human, rats, mice)
 ** P02CA-06973-12 0012 Integrated clinical cancer research program - Cell biology-Kinetics of transplanted cells (mice)
 P02CA-06973-12 0013 Integrated clinical cancer research program - Tumor immunology (human, animals)
 P02CA-06973-12 0023 Integrated clinical cancer research program - Immunochimistry-Plasma cell dyscrasia (human)
 P02CA-06973-12 0027 Integrated clinical cancer research program - Cell biology-normal and neoplastic cells (mice)
 P01CA-07368-11 0018 Interrelationships of normal and cancer cells - Boron slow neutron therapy-preclinical (human, laboratory animals)
 R01CA-08306-09 Protein biosynthesis in neoplasia (rats)
 ** R01CA-08736-09 Selective myelotoxic effect of antitumor drugs (mice)
 P01CA-08748-09 5553 Research program of Sloan-Kettering Institute - Mathematical models simulating cytotoxic agent effects
 P01CA-08748-09 6813 Research program of Sloan-Kettering Institute - Role of T-locus in morphogenesis of mouse embryo
 P01CA-08748-09 7212 Research program of Sloan-Kettering Institute - Effect of inorganic platinum compounds on leukemic cells (mice)
 ** P01CA-08748-09 7406 Research program of Sloan-Kettering Institute - Cytotoxicity of methotrexate and other antifolates (mice)
 ** P01CA-08748-09 7418 Research program of Sloan-Kettering Institute - Cytotoxicity of antifolate drugs for leukemia cells (mice)
 ** P01CA-08748-09 7604 Research program of Sloan-Kettering Institute - Proliferation in rat liver induced by xanthine 3-N-oxide
 P01CA-08748-09 7605 Research program of Sloan-Kettering Institute - Cytotoxicity of methotrexate and other antifolates
 ** P01CA-08748-09 7607 Research program of Sloan-Kettering Institute - Cytotoxicity of ara-C in vivo
 P02CA-08832-08 0127 An integrated study of advanced malignant diseases - Radiation effect on cell mediated cytotoxicity
 P02CA-08832-08 0141 An integrated study of advanced malignant diseases - Immune capacity of patients to their own tumors
 P02CA-08832-08 0142 An integrated study of advanced malignant diseases - Antibody response to tumors by cytotoxicity of antibody and complement (human)
 R01CA-08856-08 Mechanisms of carcinogenesis (primates, mice, amphibians)
 R01CA-10097-07 Cellular antigens of normal and malignant rat tissues
 ** R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
 R01CA-10537-05 RES function, tumor induction and growth (mice)

- ** R01CA-10666-07 0003 Molecular pharmacology of tumor and virus inhibitors - Ricin
 P01CA-10815-06 0003 Consolidated basic cancer research program - Define specific major and minor histocompatibility antigens (rats)
 P01CA-10815-06 0041 Consolidated basic cancer research program - Identify carcinogenic metabolites of chemical carcinogens (mammals)
 R01CA-10903-07 Immunochemical studies of malignant tumors (human, rodents)
 R01CA-12056-03 Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats)
 R01CA-12108-04 Specific metabolic approach to chemotherapy of melanoma (mice, human)
 R01CA-12109-04 0010 Trophoblastic disease - Cytotoxic serum factors in choriocarcinoma (human)
 P01CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)
 P02CA-12197-03 0006 Multidisciplinary oncology research center - Pathology of neutrophils and lymphocytes after adrenocorticosteroids (human)
 R01CA-12209-03 Lymphocyte proliferation inhibitory factor (human)
 ** P01CA-12227-04 0012 Core program in carcinogenesis - Ultrastructural study of hepatic cell nuclei (rats, guinea pigs)
 P01CA-12227-04 0020 Core program in carcinogenesis - Repair mechanisms in non-dividing cells (miniature swine)
 P01CA-12227-04 0022 Core program in carcinogenesis - Transfer of RNA methylation in carcinogenesis (rats)
 R01CA-12243-03 Immunologic stimulation in lymphoma and leukemia (human)
 P02CA-12247-03 0012 Pediatric oncology center - Chemotherapy-Phase II and toxicity studies (human, dogs)
 P02CA-12247-03 0019 Pediatric oncology center - Immunology study-Lymphotoxin production (human)
 ** R01CA-12360-04 Studies in medicinal chemistry-Antitumor agents
 P01CA-12582-04 0008 Multidisciplinary cancer diagnosis and therapy - Passive immunotherapy with antitumor sera
 ** R01CA-12626-03 Cytotoxic antitumor antibodies (rabbits, mice, humans)
 ** R01CA-12660-03 Adaptation during carcinogenesis (rats, mice, hamsters)
 R01CA-12691-02 In vitro assay of human cancer chemical radiosensitization (also mice)
 P01CA-12800-03 0007 Immune functions and cancer - Humoral and immune cell interrelations (human, mice, rats)
 ** P01CA-12800-03 0012 Immune functions and cancer - Tumor cell destruction by lymphoid cells (human, mice, rats)
 P01CA-12800-03 0013 Immune functions and cancer - Immune response to virus-induced lymphoma (rats)
 ** P01CA-12800-03 0015 Immune functions and cancer - Antibody dependent cellular cytotoxicity assay (human)
 P01CA-12800-03 0019 Immune functions and cancer - Immunology of human tumors
 P02CA-12924-03 0017 Tufts cancer research center - A malignant melanoma antigen phenotype (rats)
 R01CA-12945-03 Development of oxygen producing radiation sensitizers (mice, bacteria, human)
 P01CA-13038-03 0075 Experimental therapeutics and cancer drug program - Antibody response of muse spleen cells against cell surface alloantigens
 P01CA-13038-03 0076 Experimental therapeutics and cancer drug program - Cellular cytotoxicity against spontaneous mammary tumor (tissue culture)
 ** P01CA-13038-03 0078 Experimental therapeutics and cancer drug program - Cytotoxicity of spleen cells
 ** P01CA-13038-03 0079 Experimental therapeutics and cancer drug program - Complement dependent and independent cellular cytotoxicity
 ** P02CA-13053-03 0031 Clinical cancer radiation therapy research center - Effect of chemotherapeutic agents on leukemic cells (mice)
 P02CA-13053-03 0036 Clinical cancer radiation therapy research center - Serum levels of anticancer agents (mice)
 P02CA-13053-03 0041 Clinical cancer radiation therapy research center - Mathematical modelling in malignant diseases (mice)
 R01CA-13070-03 Active immunity to human and experimental brain tumors (hamsters)
 P01CA-13095-03 0002 Virology, immunobiology and biochemistry of renal cancer - Tumor immunology (human)
 P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
 R01CA-13121-16 Studies in phytochemistry (compositae)
 R01CA-13134-03 Cell-mediated immunity in avian leukosis (chickens)
 P02CA-13148-03 0051 Pilot cancer center - Interaction of drugs and nucleic acid relative to biological function (bacteria)
 ** P02CA-13148-03 0062 Pilot cancer center - Hodgkin's disease
 R01CA-13192-02 Cell-mediated immunologic destruction of tumor cells (human, guinea pigs, mice)
 R01CA-13264-02 Effect on tumor growth of removing enhancing antibody (mice)

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**Oriented significantly to above subject.

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- R01CA-13377-02 Immunological prevention of leukemia induction (mice)
- R01CA-13465-01 Hodgkin's disease and lymphoreticular activities (human)
- R01CA-13752-02 Iodoacetate-Immunotherapy of lymphoid leukemia (mice)
- ** R01CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
- ** R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
- R01CA-13858-02 Polynucleotide termination by modified nucleosides (human, bacteria)
- R01CA-13940-02 Immunogenetic study of a herpesvirus induced lymphoma (chickens, turkeys)
- R01CA-13955-02 Antigen and surface charge properties of blood cells (human)
- R01CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
- R01CA-14049-02 Cell-mediated immunity to ascites tumors (mice)
- P01CA-14051-02 0003 Center for cancer biology at MIT - Tumor immunology (mice)
- ** P01CA-14097-02 0005 Cancer research program-Viruses; control mechanisms - Structure and replication of cytoskeletal and RNA tumor viruses
- R01CA-14126-02 Myeloma-induced inhibitor of lymphocyte function (mice)
- P01CA-14195-01 0003 Core grant-Regulation, the cell membrane and cancer - Cell types and factors involved in cell-mediated immunity (mice)
- P01CA-14195-01 0006 Core grant-Regulation, the cell membrane and cancer - Blocking of tumor immunity (mice)
- R01CA-14223-02 Measurement of cell response to anticancer drugs
- R01CA-14297-02 Immuno-diagnosis of ovarian carcinoma (human, rabbits)
- R01CA-14323-02 Neuraminidase and cell-mediated immunity (human, mice)
- R01CA-14374-02 0003 Effect of radiotherapy on host immune reactions - A new class of immune adjuvants-polyoxalans (mice)
- ** R01CA-14386-01 Toxicity of anti-tumor drugs (mice)
- R01CA-14409-02 Control of immunity in mice to L1210/MTX leukemia
- R01CA-14432-02 Tumor cell proliferation (rats)
- R01CA-14459-02 Cellular immunity-Use of a tumor model (human, mice)
- R01CA-14487-02 Effects of anti-tumor antibodies on tumor transplants (mice, rabbits)
- R01CA-14508-01 The role of interferon in human immunity to tumors
- P02CA-14520-02 0007 Wisconsin Clinical Cancer Center - Major histocompatibility systems and neoplastic diseases (human)
- ** P02CA-14520-02 0008 Wisconsin Clinical Cancer Center - Tumor cells and lymphocytes-immunodetection and therapy (human, mice)
- R01CA-14562-02 Immunomodification of immune response and tumor growth (mice, rabbits)
- R01CA-14680-01 Role of mutagenesis in chemical carcinogenesis
- ** R01CA-14692-02 Cancer cell survival and mechanisms of cytotoxicity (human, mice)
- R01CA-14697-02 Specific anti-tumor activity by 'armed' lymphoid cells (mice)
- ** R01CA-14750-02 Cytotoxic selectivity of anticancer drugs (mice, hamsters, rats)
- R01CA-14777-01 Analysis of host response to tumor oncogenesis (mice)
- R01CA-14782-02 Antigenic strength of nonviral tumors (mice)
- R01CA-14839-01 Induction of specific cell mediated immunity to neoplasia (guinea pigs)
- ** R01CA-14993-01 Effect of immunologic factors on metastasis (mice)
- R01CA-15010-01 Bioassay-in vitro models of human chemo-oncogenesis (human, rodents)
- R01CA-15093-01 Brain tumor chemotherapy screening model (human, rats)
- R01CA-15142-01 Cancer chemotherapy and immunologic effects
- R01CA-15143-01 Bisguanyldiazones, polyamines and cell proliferation (mice)
- R01CA-15207-01 Neoplasia-predisposing genes in cell culture (human)
- R01CA-15230-01 Antineoplastic principles (mice)
- ** R01CA-15523-01 Therapeutic/toxic action of electron emitting nucleides (rodent, virus, rabbit)
- R26CA-15551-01 Virology and immunology of cancer of the human urothelium
- R01CA-15565-01 Macrophage and tumor cell interactions (mice)
- R01CA-15586-01 Enhancement and cellular injury in tumor systems (rats, human)
- P01CA-15655-01 0002 Cancer center support grant - Cellular level of immunosuppression (mice)
- P01CA-15655-01 0003 Cancer center support grant - Experimental manipulation of tumor immunity (mice)
- P01CA-15704-01 0001 Cancer center support grant - Tumor immunology (rats, human, mice)
- ** R01CA-15769-01 Chemotherapy-Cytotoxicity, repair and its inhibition (tissue culture, mice)
- R01CA-15808-01 Genetic markers, leukemogenesis and thymic function (mice, rabbits)
- R01CA-15811-01 Host resistant to cancer (human, mice)
- P01CA-15822-01 0004 Immunobiology of normal and neoplastic lymphocytes - Lymphocyte responses to allogeneic cells (mice, rats)
- R01CA-15898-01 Cytotoxic agents affecting cell membrane biogenesis
- P01CA-15936-01 0001 Specialized Cancer Center - Preclinical chemotherapy (mammals, human)
- P01CA-15936-01 0002 Specialized Cancer Center - Potato phenylalanine ammonia-lyase antitumor activity (human, mice)
- R01CA-15951-01 Cellular immune responses in graft reaction systems (mice)
- R01CA-15964-01 T-T cell collaboration and tumor cell destruction
- R01CA-16039-01 In vitro assay of tumor immunity (mice)
- R26CA-16077-01 Drug development for prostatic carcinoma (human, hamsters)
- P01CA-16127-01 0010 Cancer Research and Treatment Center Program - Transfer factor therapy in osteogenic sarcoma
- P01CA-16127-01 0013 Cancer Research and Treatment Center Program - Immune function in gastritis and gastric carcinoma
- R01CA-16147-01 Regulation of the hemopoietic stem cell
- R01CA-16154-01 D-glucosamine-Potentiator in cancer chemotherapy
- R01CA-16158-01 Synthesis and stereochemistry of new anticancer drugs
- R01CA-16168-01 Cell surface alterations during antigenic modulation
- R01CA-16182-01 Chemical carcinogenesis-Cause and prevention
- R01CA-16219-01 Potential antiviral and antineoplastic agents (mice)
- P01CA-16246-01 0002 Integrated tumor biology program - Antigenic cross-reactivity between malignant and benign hyperplasias (human)
- P01CA-16246-01 0005 Integrated tumor biology program - Immune response to Rous sarcoma in mice
- P01CA-16247-01 0003 Immunologic aspects of cancer - Genetic control of the response to plasma cytoma antigens (mice)
- ** P01CA-16247-01 0009 Immunologic aspects of cancer - Immune complexes in lymphocyte-mediated cytotoxicity (human, mice)
- R01CA-16271-01 Antibody, lymphoid and tumor cell interaction (mice)
- R26CA-16418-01 Steroids with cytotoxic effects on the prostate (rats)
- R26CA-16426-01 Antigenic components of human prostatic adenocarcinoma (mice)
- R01CA-16906-01 Uptake and membrane transport of anticancer cells (mice)
- R01CA-16937-01 Nature and control of lymphocyte mediated cytotoxicity
- N01CB-33912-01 Biochemical means by which effector molecules bind to mammary cell (human)
- N01CB-43858-00 Nature of interactions between tumor cells and immunoglobins
- N01CB-43878-00 Transfer factor therapy of sarcoma (human)
- N01CB-43883-00 Human peripheral blood mononuclear cell
- N01CB-43946-00 Immunotherapy-Role of circulating tumor antigens (mice)
- ** N01CB-43965-00 Improvements of assays for cell-mediated immunity (mice)
- N01CB-43998-00 Selective stimulation or suppression of immunologic responses
- N01CB-92177-10 NCI human histocompatibility typing center
- ** N01CM-02225-07 Test for cytotoxicity of chemical agents
- ** N01CM-12192-04 Toxicology of antineoplastic agents (mammals)
- ** N01CM-33733-01 Bioautographic studies of cytotoxic samples from plants (mammals)
- ** N01CM-43746-00 Protocol toxicology prime contractor
- N01CM-60506-15 Synthetic and biochemical approaches to cancer chemotherapy
- N01CP-02217-04 Aspects of enzyme induction relative to lung cancer (human, hamsters, mice)
- ** N01CP-33284-04 Bioassay of the cytotoxicity of cigarette smoke (mammals nonhuman)
- N01CP-43277-00 Chemical analysis of soluble human tumor specific antigens (human, goats)
- R01DE-02944-06 Structure and toxicogenic activities of dental compounds (mice)
- ** R23DE-03710-02 Lymphocyte-mediated cytotoxicity (rats)
- R23DE-03874-01 Immune aspects of recurrent aphthous ulcers (human)
- ** N01DE-12332-03 Anticaries efficacy of certain agents (rats)
- P10ES-00260-12 0001 Research in the environmental health sciences - Chemical carcinogenesis (mice, rats)
- ** P10ES-00260-12 0018 Research in the environmental health sciences - S-sulfonate in plasma (human, primates, rabbits, rodents)
- ** P10ES-00267-07 0012 Center for environmental toxicology - Basic proteins of Elapid venoms-Mechanism of action (rats, mice)
- ** R01ES-00472-05 Hepatocellular metabolism of chlorinated hydrocarbons (rats, monkeys)
- R01ES-00613-03 Distribution and fate of inhaled sulfur dioxide (mammals)
- P01ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections(rodents, monkeys)
- ** R01ES-00754-01 Toxicity of inert particles to alveolar macrophages (mice, rabbits)
- R01ES-00790-02 Protection by zinc against toxic metals and gases (rats,mice)
- ** R01ES-00803-03 Cellular response to environmental stress (slime molds)
- R01ES-00826-02 Function of lead in tumorigenesis (mice, rats)
- ** R01ES-00840-01 Cellular studies of vertebrate insecticide resistance (mosquitofish)
- ** R13ES-01071-01 Conference of toxicity of environmental chemicals
- R01EY-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
- ** R01EY-00013-08 Experimental optic neuropathies (rats)
- R01EY-00145-05 Pathogenic mechanisms of chronic eye disease (human)
- R01EY-00198-16 Effects of antiocular antibodies on ocular tissues (rabbits)
- ** R01EY-00224-13 Study of eye physiology and disease by ultrasound (human, rabbits)
- ** P01EY-00396-07 0022 Basic ophthalmic research program - Antibodies, antigens and mechanisms involved in cytotoxicity
- P01EY-00396-07 0024 Basic ophthalmic research program - Loss of vision due to corneal inflammation
- R01EY-00669-03 Experimental allergic uveitis and autoimmune disease (guinea pigs)
- R01EY-01081-01 Enzymes of vision-Vitamin A metabolism (human, rat, cow, monkey)
- ** R01EY-01098-02 Teratogenic and toxic effects of ophthalmic drugs (rats)
- R01EY-01103-01 Vascular role in experimental retinopathies (rats)
- ** R01EY-01302-01 The role of HL-A antigens in corneal transplantation (human)
- R01FD-00690-01 Hexachlorophene-Neuropathological and biochemical studies (rats)
- R01GM-10356-11 Immunogenetics of man (and rabbits, mice)
- R01GM-12573-10 Mechanism of action of cytotoxic drugs
- P01GM-14546-08 0036 Influence of acute illness and injury on energy - Limiting order of amino acids in sepsis during amino acid infusion
- P01GM-14546-08 0038 Influence of acute illness and injury on energy - Ventilatory and breathing patterns in post-trauma and septic patients
- P01GM-14546-08 0045 Influence of acute illness and injury on energy - Carbohydrate metabolism in injury and sepsis-Model for C14-glucose (human)
- P01GM-14546-08 0046 Influence of acute illness and injury on energy - Carbohydrate metabolism in injury and sepsis-Gluconeogenesis (human)
- P01GM-14546-08 0047 Influence of acute illness and injury on energy - Injury and sepsis-Hepatic vs forearm metabolism (human)
- P01GM-14546-08 0048 Influence of acute illness and injury on energy - Injury and sepsis-Specific dynamic action (human)
- ** P01GM-14546-08 0051 Influence of acute illness and injury on energy - Circulation in sepsis (human)
- R01GM-15289-07 Electron microscopy of cells having cycles (human, primates, mammals)
- P11GM-15477-08 0125 Drug metabolism and biochemical pharmacology - L-cysteine and sodium thiosulfate effect on cyclophosphamide metabolites
- ** P01GM-15571-06 0069 Anesthesia research-Program project - Chronic toxicity of general anesthetics in human hepatic cells
- ** P11GM-15759-08 0036 Clinical pharmacology in rheumatic and muscular diseases - Cytotoxin production and its inhibition by drugs (human, rats)
- P11GM-15956-07 0042 Factors affecting the responses to drugs - Liver culture toxicity resulting from laxative preparation (human)
- P01GM-15991-06 0097 Anesthesia research center - Effect of anesthesia on cytotoxic activity of lymphoid cells against tumor (mice)
- P11GM-16216-06 0038 Toxicological problems of drugs (placental transfer, lactation) - Drug metabolism in the newborn-Hydroxylation and epoxidation (human, rodents)
- P11GM-16216-06 0046 Toxicological problems of drugs (placental transfer, lactation) - Species difference with respect to toxicity (rabbits, rodents, human)
- P11GM-16216-06 0047 Toxicological problems of drugs (placental transfer, lactation) - Molecular basis of toxicity
- R01GM-19311-03 Synthesis, conformation, and mode of action of tenofovir (plants)
- P01GM-20309-02 0003 Acute trauma study center - Construction and evaluation of new vein substitute TFE (dogs, human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P11GM-20852-01 0011 Clinical pharmacokinetics and biopharmaceutics - Kinetics of differential cytotoxicity
 N01HB-02213-06 Studies to improve methods of platelet preservation (human)
 ** P01HD-05065-04 0003 Cellular aging and degeneration - Subcellular events in cellular immunity (rats)
 P01HD-05221-05 0029 Center grant in mental retardation - Pathologic embryology (rats, monkeys)
 P01HD-05671-03 0007 Center for population research - Screening of compounds for antifertility activity (mammals)
 P01HD-05894-04 0001 Genetic childhood diseases and aging - Lymphocyte function in the neonate and fetus (human, sheep)
 R01HD-06071-03 Control of differentiation in lymphocytes (rats, mice)
 R01HD-06526-03 Cell death and reduced biosynthesis in teratogenesis (rats)
 R01HD-06737-03 Antigenicity of the mouse ovum and early embryo
 R01HD-08415-01 T-lymphocytes from precursor cells in vitro (mice)
 R01HD-08957-01 Ontogeny of the humoral and cellular immune response (pigeons)
 P01HL-05435-14 0017 Cardiovascular research and training program - Immunology (primates)
 ** P01HL-06370-13 0006 Cardiopulmonary and renal pathology research center - Chemical basis of ultrastructural changes in disease (rats)
 ** P01HL-08203-12 0001 Renal homotransplantation in man - Clinical results of renal homotransplantation in man
 P01HL-08203-12 0028 Renal homotransplantation in man - Complement independent, antibody mediated lymphocyte target cell cytotoxicity
 P01HL-08203-12 0030 Renal homotransplantation in man - New kidney cell crossmatch test (human)
 ** P01HL-08203-12 0038 Renal homotransplantation in man - Immunologic parameters of bone marrow derived lymphocyte cytotoxicity (mice)
 P01HL-08214-11 0023 Chemical and biological properties of lipids - Lipids, lipid metabolism in microorganisms and mammalian cells
 R01HL-08696-10 0005 Orthotopic heart transplantation - Application of an in vitro cell-mediated cytotoxicity assay (human)
 R01HL-11489-07 Structural investigations on glycosaminoglycans
 P01HL-13330-05 0056 Mechanical circulatory support - Biomaterials research
 ** R01HL-13713-04 Pathogenesis of lipid accumulation (human, mice)
 R01HL-14826-02 External isotope assay of atherosclerosis (rats, rabbits)
 ** P17HL-15061-03 0012 Response of lung to injury - Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats)
 P18HL-15157-03 0004 Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
 R01HL-16233-01 A non-surgical model for cardiogenic shock (dogs)
 P01HL-16769-01 0003 Pathobiologic and host defense reactions in the lung - Pathobiologic mechanisms of delayed sensitivity reactions in the lung (animals)
 R01HL-16990-05 Bronchopulmonary resistance to bacterial infection (human, mice)
 ** R01NS-03909-13 Biochemistry and histopathology of cyanide toxicity (rats)
 P01NS-06208-09 0014 Epilepsy research program - Cerebral sensory evoked potentials related to epilepsy (rats, monkeys)
 ** P01NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
 R01NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
 R01NS-09820-04 Effects of environmental stresses on brain development (rats)
 ** R01NS-09837-04 Pathologic effects of exposure to high oxygen tension (rats)
 R01NS-09933-04 Immunobiology of age dependent CNS disease (mice)
 P01NS-10920-02 0012 Development and regeneration in the nervous system - Development of resistance to encephalitis (mice)
 R01NS-11365-02 Neurotransmitters in normal and neoplastic cells (mice)
 P01NS-11631-01 0057 Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine (mice, rats)
 R01NS-11635-01 Molecular basis of membrane excitation (electric fish)
 R01OH-00321-06 In vitro studies of occupational dermatitis (guinea pigs, human)
 ** R01OH-00356-03 Cellular response to coal mine dust in vitro (human)

TOXICOLOGY, CYTOTOXICITY, CYTOLYSINS

- SEE ALSO BLOOD TOXICOLOGY, HEMOLYSINS
 SEE ALSO CELL DESTRUCTION, CYTOLYSINS
 SEE ALSO IMMUNOLOGY, ANTIBODIES, BACTERIOLYSINS
 R01A-09416-05 Modes of action of bactericidal cationic proteins (guinea pigs, rabbits)

- ** P02CA-13148-03 0065 Pilot cancer center - Disaggregation of human solid tumors
 ** R01CA-13192-02 Cell-mediated immunologic destruction of tumor cells (human, guinea pigs, mice)
 R01CA-13285-03 Pancreatic effects of cancer chemotherapeutic agents (mice)
 P01CA-14599-01 0023 University of Chicago Cancer Research Center - Human autologous regional lymphocyte-Breast cancer interaction
 ** P01CA-14723-02 0002 Experimental cancer immunology - Cytolysis of malignant target cells (mice)
 R26CA-15553-01 Tumor-specific immunity in bladder cancer (human)
 P01CA-15655-01 0007 Cancer center support grant - Chemotherapy of Rauscher leukemia and transplanted tumors (mice)
 R01EY-00424-06 Pneumococcal enzymes and corneal ulcers (rabbits)

TOXICOLOGY, DETOXICATION

- SEE ALSO METAL COMPLEXES, LIGANDS, CHELATING AGENTS
 R18AA-00079-02 Community alcoholism services, poverty program
 R18AA-00080-02 Alcoholism rehabilitation services
 R18AA-00083-02 Community alcoholism services poverty program
 R01AA-00397-01 Brain response in alcoholics during drinking cycles
 R18AA-00462-01 Services for problem drinking drivers
 R18AA-00470-01 Services for problem drinking drivers
 ** R18AA-00479-03 Residential detoxification center for alcoholics
 R18AA-00532-01 Metlakatla Indian community alcoholism services
 R18AA-00570-01 Haskell Indian alcohol prevention treatment program
 R18AA-00577-01 White earth reservation alcoholism program
 R18AA-00596-03 Baltimore comprehensive public inebriate program
 R18AA-00842-01 Mercer alcoholism program
 R01AA-01217-01 Investigations of experimental alcohol dependence
 R18AA-01247-01 Community alcoholism services poverty program
 R18AA-01476-01 Alcoholism emergency care services
 R18AA-01583-01 Alcoholism service delivery project
 ** R18AA-01697-01 Alcoholism rehabilitation service
 R18AA-01722-01 Southern Colorado comprehensive alcoholism program
 R18AA-01764-01 Public inebriate program
 R18AA-01810-01 Community alcoholism services poverty program
 R01AI-05006-11 Nitrogen metabolism in gastropod molluscs
 R01AI-06487-10 Streptococcal infections and host-toxin interactions (rabbits, rodents, monkeys)
 R01AI-07587-08 The role of bacteria in intestinal disease (human, rodents, dogs)
 R01AI-09902-04 Microsomal mixed-function oxidases (flies)
 R01AI-11552-02 Endotoxin in acute and chronic liver injury (human, rats)
 ** R01AI-11843-02 Non-specific resistance to infection, intoxication (human, rodents, dog, chicken)
 R01AM-12960-05 Oxalic acid metabolism and primary hyperoxaluria (rats, human)
 R01AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
 ** R01AM-14513-04 Biliary excretion in neonatal toxicology (rats)
 P01AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
 R01AM-15771-03 An extracorporeal device to perform liver functions (rats)
 R01AM-16038-03 Structure, function and regulation of hydroxylases (bacteria, cattle)
 ** R01CA-01228-23 Metabolism of aromatic hydrocarbons (rabbits, rats, mice)
 ** R01CA-05003-16 0010 Dermatologic reactions induced by solar radiation - Detoxification and metabolism of psoralens in mice and man
 R01CA-14345-01 Membrane turnover and repair in normal and malignant cells (toads, mammals)
 ** R26CA-14524-02 Metabolic factors involved in bladder carcinogenesis (monkeys, rabbits, dogs, ro)
 ** R01CA-14729-02 Detoxication pathways in normal and neoplastic tissues (rats)
 R26CA-15400-02 Mechanism of action of colon carcinogenesis (rodents)
 R01CA-16934-13 Relation of chemical structure to endotoxic activity (rabbits, mice)
 ** R01DA-00141-03 Cannabinoids during pregnancy and interaction with drugs (mice, rats)
 ** N01DA-30049-00 Treatment of opiate dependent persons
 N01DA-30050-00 Treatment of drug dependent persons
 ** N01DA-30056-05 Treatment of drug dependent persons
 N01DA-30092-00 Services to narcotic addicts (human)
 N01DA-30176-00 Services to narcotic addicts

- N01DA-30231-00 Treatment facilities for non-opiate drug users (human)
 N01DA-30255-00 Clinical safety and efficacy studies of narcotic antagonists
 N01DA-40106-00 Services to narcotic addicts
 N01DA-40139-00 Use of biofeedback with opiate addicts (human)
 N01DA-40189-00 Propoxyphene napsylate in maintenance therapy for narcotic addiction (human)
 P01ES-00040-10 0003 Environmental toxicology of pesticides - Effects on protein and nucleic acid metabolism (rats)
 P01ES-00044-10 0005 Mechanisms of pesticide action - Microsomal oxidation of xenobiotics (flies, mice)
 ** P01ES-00049-10 0002 Mode of action and metabolism of organic toxicants - Pyrethroids metabolism (rats, mice, flies)
 P01ES-00049-10 0018 Mode of action and metabolism of organic toxicants - Juvenoids-Radiosynthesis, metabolism, photolateralion (insects, algae)
 P01ES-00049-10 0023 Mode of action and metabolism of organic toxicants - Biochemical genetics of insecticide chemical resistance in insects (flies)
 ** P01ES-00054-10 0014 Environmental impact of chlorinated hydrocarbons - Biological effects of chlorinated hydrocarbons in birds and rodents
 ** P01ES-00054-10 0015 Environmental impact of chlorinated hydrocarbons - Comparative detoxication of pesticides (monkeys, rodents, birds, amphibians)
 R01ES-00675-10 Enzyme mechanism of insecticide metabolism (rats)
 ** R01ES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)
 R01ES-00109-09 Interactions of pesticides, drugs and other chemicals (mice, rats, quail)
 R01ES-00205-21 Insecticide metabolism in animals and microorganisms (plants, insects, mammals)
 ** R01ES-00296-06 Pesticide resistance studies (Pine mice)
 ** R01ES-00362-16 Detoxication mechanisms in insects (houseflies)
 R01ES-00400-06 Microsomal enzymes (army worms, mammals)
 R01ES-00412-06 0009 Mechanisms of insecticide resistance - DDT conversion (fish)
 ** R01ES-00412-06 0015 Mechanisms of insecticide resistance - Effects of glucocorticoids on insecticide-degrading and target enzymes (fish)
 ** P01ES-00454-06 0002 Biological effects of environmental agents - Dehydration, food deprivation and clearance of environmental agents (rodents)
 P01ES-00454-06 0010 Biological effects of environmental agents - Neurochemistry of lead intoxication (mice, rats)
 P01ES-00454-06 0019 Biological effects of environmental agents - Central inhibition of respiration by organophosphate insecticides (guinea pigs)
 R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
 ** R01ES-00541-04 Metabolism and carcinogenicity of aflatoxins (rats, mice, trout)
 ** R01ES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)
 ** R01ES-00619-03 Mechanism of tolerance to organophosphorus insecticides (rats)
 R01ES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
 ** P01ES-00735-01 0008 Public health hazards and environmental fate of parathion - Decontamination of parathion spills and wastes (biophysical and microbial agents)
 R01ES-00782-03 Pesticide-induced change during the perinatal period (mice, rats)
 ** R01ES-00801-01 Metabolism of aflatoxin B1 (Rhesus monkeys, human, ducks, chick embryo)
 ** R01ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)
 ** R01ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
 R01ES-01055-01 Lead and PCBs-Pharmacologic and toxicologic studies (human, mammals, birds)
 R01FD-00014-07 Neutralizing snake venom toxicity by chemical agents (mice)
 R01FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
 ** R01GM-14595-08 0003 Continuity of cellular organelles - Chloramphenicol reductase (Euglena)
 P11GM-15477-08 0063 Drug metabolism and biochemical pharmacology - Nature of hepatic and extrahepatic benzopyrene hydroxylase (rats, human)
 ** P11GM-16216-06 0055 Toxicological problems of drugs (placental transfer, lactation) - Research approaches to treatment of organic chemical poisoning (mammals subhuman)
 R01GM-21248-01 0002 New applications of mass spectrometry in pharmacology - Analysis of intact glucuronides (rabbits, rats)
 R01GM-21723-01 N-acetylation of drugs-Biochemical and pharmacogenetic studies (rabbits, rats)
 R01HD-03867-05 Comparative studies in perinatal toxicology (rats, opossum)
 R01HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01HD-07240-05 Fetal effects of sulfconjugation in pregnant rats
 P01HL-08682-11 0012 Regulation of the cardiovascular system - Hepatic circulation and macrophage function during endotoxin shock (rats)
 P01HL-12738-06 0051 Physiologic pharmacology and its clinical applications - Effect of digoxin and specific antibodies on distribution of digoxin-3H in dogs
 P17HL-14147-04 0002 Specialized center of research in thrombosis - Mechanism of end- and exotoxin induced thrombosis (human, horseshoe crab)
 P17HL-14179-04 0020 Center for the study of lung disease - Mechanisms of oxidant lung injury-Effects of lipid peroxides (mammals)
 R01HL-14540-03 Macrophage lysosomes and host defense in endotoxemia (rats)
 N01MH-30047-00 Provide treatment and rehabilitation for opiate-dependent persons
 ** R01NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)
 M01RR-00050-13 0041 Wilson's disease - Changes in renal function in alcoholism and detoxication

TOXICOLOGY, FISH POISONS

- SEE ALSO TOXICOLOGY, ANIMAL POISONS, TETRODOTOXIN
 P01CA-15655-01 0031 Cancer center support grant - Marine environment program
 ** R01FD-00396-03 Molecular structure of ciguatera (fish)
 ** R01GM-16031-13 Amphibian toxins-Chemistry and pharmacology (frogs, fish, cats)

TOXICOLOGY, GAS POISONING

- ** R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
 R01GM-21738-01 Antagonism of cyanide intoxication with oxygen
 R01HL-16330-02 Aging-tissue injury and repair
 R23HL-17205-01 Lung metalloenzymes-Regulation by metals and gases (rats)

TOXICOLOGY, GAS POISONING, CARBON MONOXIDE

- P10ES-00002-12 0004 Occupational and environmental health - Fire fighters
 P10ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)
 ** P01ES-00454-06 0003 Biological effects of environmental agents - Carbon monoxide hypoxic hypoxia and drug response in vivo (rats, human)
 ** P01ES-00454-06 0015 Biological effects of environmental agents - Comparative effects of hypoxic hypoxia and CO hypoxia on the heart (dogs)
 ** P01ES-00454-06 0020 Biological effects of environmental agents - Behavioral and CNS system effects of CO exposure (rats, baboons)
 ** P01ES-00454-06 0021 Biological effects of environmental agents - Neural reflexes in cardiovascular response to CO and hypoxic hypoxia (dogs)
 ** P01ES-00454-06 0022 Biological effects of environmental agents - Effect of CO and hypoxic hypoxia on cerebral and cephalic blood flow (dogs)
 R01ES-01028-02 Role of air pollutants in airborne infection (rats, bacteria)
 P01HD-05615-04 0003 Developmental biology in mental retardation - Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human)
 ** P01HL-10342-09 0001 Cardiovascular, pulmonary, and behavioral studies - Effect of CO and hypoxic hypoxia on hepatic drug metabolism (human, rats)
 ** P01HL-10342-09 0002 Cardiovascular, pulmonary, and behavioral studies - Effect of carbon monoxide and hypoxic hypoxia on venous return (dogs)
 ** P01HL-10342-09 0003 Cardiovascular, pulmonary, and behavioral studies - Effects of hypoxic hypoxia and carbon monoxide hypoxia on the heart (dogs)
 ** P01HL-10342-09 0004 Cardiovascular, pulmonary, and behavioral studies - Hypothalamus in behavior and physiology of hypoxic and CO hypoxia (rats)
 ** P01HL-10342-09 0005 Cardiovascular, pulmonary, and behavioral studies - Adaptive processes to carbon monoxide exposure (human, rats)
 P01HL-10342-09 0011 Cardiovascular, pulmonary, and behavioral studies - Carotid body studies (cat)
 P01HL-10342-09 0020 Cardiovascular, pulmonary, and behavioral studies - Systemic circulation as a determinant of venous return and cardiac output (dogs)
 P01HL-10342-09 0021 Cardiovascular, pulmonary, and behavioral studies - Regulation of systemic, pulmonary, and coronary circulation (dogs)
 R01HL-15622-01 Computer simulation in cardiology
 ** R01HL-16367-01 Carbon monoxide-Chronic effects on heart (rats)
 R01OH-000327-06 Carbon monoxide and human information processing
- TOXICOLOGY, GAS POISONING, SMOKE INHALATION**
 SEE ALSO INJURIES, BURNS, INHALATION
 ** N01CP-43314-00 Inhalation bioassay in rats
 ** N01CP-45622-00 Tobacco smoke constituents (animals)

- ** P10ES-00002-12 0004 Occupational and environmental health - Fire fighters
 R01GM-12748-10 Mechanism of cell damage in severe burns (mice, rats)
 ** R01HL-14667-02 Smoke inhalation injury-Etiology and protection (rats)
 ** R01HL-15642-01 Corticosteroids and smoke-inhalation pathology (mice)
 R01OH-00369-02 Epidemiology of respiratory disease in firefighters

TOXICOLOGY, MYCOTOXINS

- SEE ALSO ALKALOIDS, ERGOT
 SEE ALSO OXOARYLS, PATULIN
 R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
 P01CA-13038-03 0052 Experimental therapeutics and cancer drug program - Metabolism of aflatoxin B1
 ** R01CA-15064-01 Immunochemical studies on carcinogenic mycotoxins (rodents)
 ** N01CP-43265-01 Toxicity and carcinogenicity associated with fungus growth on food stuffs
 ** N01CP-51029-14 Carcinogenicity of fungal mycotoxins
 ** R01ES-00256-08 Mycotoxin toxicity and carcinogenesis in trout
 M P10ES-00267-07 Center for environmental toxicology
 ** P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
 ** R01ES-00463-05 Carcinogenic activity of toxigenic *Penicillium* (rodents, fungi)
 ** R01ES-00569-09 Fungus toxins and moldy food diseases (rats)
 ** R01ES-00674-01 Carcinogenicity of environmental mycotoxins (rats)
 ** R01ES-00838-02 Purification and properties of ochratoxin A
 R01FD-00035-09 Biosynthesis and action of estrogenic hormones (fungi, swine, rats)
 ** R01FD-00155-07 Toxigenic fungi in food products and feeds
 ** R01FD-00176-06 Mycotoxins in foods and feeds (swine, rats, fowl)
 ** R01GM-18764-03 Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats)

TOXICOLOGY, MYCOTOXINS, AFLATOXIN

- SEE ALSO FUNGI, ASCOMYCETES, ASPERGILLUS FLAVUS*
 R01CA-05671-14 0015 Glucocorticoid receptors in normal and malignant tissue - Carcinogens and glucocorticoid receptors in liver
 R01CA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
 R01CA-11799-04 Pathology of the nucleolus in experimental carcinogenesis (rats)
 ** R01CA-12056-03 Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats)
 P01CA-12227-04 0022 Core program in carcinogenesis - Transfer of RNA methylation in carcinogenesis (rats)
 ** P01CA-13038-03 0052 Experimental therapeutics and cancer drug program - Metabolism of aflatoxin B1
 ** P01CA-13038-03 0053 Experimental therapeutics and cancer drug program - Binding of aflatoxin B1 and its metabolites to microsomes
 ** P01CA-13038-03 0054 Experimental therapeutics and cancer drug program - Binding of other aflatoxins to microsomes
 ** P01CA-13038-03 0055 Experimental therapeutics and cancer drug program - Interaction of aflatoxin B1 metabolite with rat liver RNA
 ** P01CA-13038-03 0069 Experimental therapeutics and cancer drug program - Aflatoxins and rat liver sialyltransferase
 R01CA-13600-02 Pathology of chemical carcinogenesis (rats)
 R01CA-13835-02 Cell injury by actinomycin and related carcinocides (human)
 R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
 R01CA-14260-02 Carcinogenic mycotoxin formation in refrigerated food
 R01CA-15785-01 Metabolic activation of chemical carcinogens
 R01CA-15979-01 0002 Cholesterol metabolism in normal and malignant liver - Cholesterol synthesis in tissue culture (rats, chickens)
 ** N01CP-43265-01 Toxicity and carcinogenicity associated with fungus growth on food stuffs
 ** R01ES-00256-08 Mycotoxin toxicity and carcinogenesis in trout
 ** R01ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
 ** R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
 ** R01ES-00541-04 Metabolism and carcinogenicity of aflatoxins (rats, mice, trout)
 R01ES-00550-04 Metabolism and cocarcinogenicity of cyclopropenes (trout, rats, mice)
 ** R01ES-00585-04 Carcinogenic implications of aspergillotoxicosis (rats)
 P01ES-00597-04 0005 Food-borne environmental toxicants - In-vivo alkylation of environmental agents (rats)

- P01ES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals
 ** P01ES-00597-04 0011 Food-borne environmental toxicants - Aminoacylation and methylation of tRNA in chemical carcinogenesis (rats)
 P01ES-00597-04 0012 Food-borne environmental toxicants - Influence of diet and environmental factors on responses to chemical agents (rat)
 ** R01ES-00612-04 Biogenesis of the aflatoxins (*Aspergillus*, bacteria, mammals)
 ** R01ES-00640-01 Aflatoxin metabolism by human liver
 ** R01ES-00656-01 Interaction of mycotoxins with macromolecules (mammals, bacteria)
 ** R01ES-00712-02 Antibiotic mucor oncology of mycotic hepatomagenesis (ducks)
 ** R01ES-00801-01 Metabolism of aflatoxin B1 (Rhesus monkeys, human, ducks, chick embryo)
 R01FD-00155-07 Toxigenic fungi in food products and feeds
 P11GM-12675-10 0057 Biochemical toxicology and pharmacology - Chemical carcinogens and polysome association with endoplasmic reticulum (rats)
 P11GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
 S06RR-08005-03 Environmental carcinogens (Federal City College)(human, hamsters)

TOXICOLOGY, MYCOTOXINS, AMANITINE

- R22AI-08209-07 Cellular responses to cholera toxin (rats, bacteria, protozoa)
 R01CA-11793-05 Melanogenesis and growth of pigment cells in vitro (human, mice)
 R01GM-15259-11 X-ray crystal analysis of biological compounds
 ** R01GM-18764-03 Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats)

TOXICOLOGY, MYCOTOXINS, CYTOCHALASIN

- R01AI-08821-05 Oponins in phagocytosis (human, rabbits)
 R01AI-11839-02 Molecular biology of vaccinia virus replication
 R01AI-11886-01 Genetic and biochemical analysis of the interferon system (viruses)
 ** R01AI-11902-01 Biosynthesis of polyketide fungal antibiotics
 R01AM-06181-13 Insulin (rats, rabbits, human, ruminants, ducks, lizards)
 R01AM-10591-09 Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs)
 R01AM-15146-04 Maldevelopment of the embryonic and fetal kidney (rats, mice)
 R01AM-16327-02 Microtubules and filaments in action of vasopressin (frogs)
 P01CA-08748-09 6910 Research program of Sloan-Kettering Institute - Meiosis and nuclear transfer in somatic Chinese hamster cells
 ** R01CA-12607-03 Mechanisms of cytoplasmic division (bacteria, toads)
 R01CA-13605-03 Determinants of malignant and embryonic cell behavior (chordates, ctenophores)
 R01CA-14670-02 Host functions related to tumor virus infection
 R01CA-15141-01 Control of nuclear events in normal and neoplastic cells (human, mice)
 P01CA-16228-01 0003 Cell membrane in proliferation and oncogenesis - Membrane events and cell function (hamsters, human)
 N01CB-43932-00 Mechanisms for cell-mediated destruction of tumor cells
 R01GM-20523-01 Cyclic AMP and control of division in mammalian cells (tissue culture)
 P01HD-02274-08 0004 Mental retardation and child development - Central laboratory for human embryology (and animals)
 ** R01HD-07194-01 Cellular mechanisms in ovulation and spawning (frogs, starfish)
 ** R01HD-08554-01 Teratogenicity of cytochalasins and plant metabolites
 ** R01HL-12443-03 Amine acid and protein metabolism in human platelets
 ** P17HL-14179-04 0013 Center for the study of lung disease - Macrophages and phagocytosis-Action of cytochalasin B (rabbits, human)
 P01HL-15835-01 0009 Pennsylvania Muscle Institute - Aspects of cardiac and skeletal myogenesis (chick embryo)
 R01NS-09137-05 Stimulus-secretion coupling and chromaffin cells (rodents, cats)
 P01NS-11631-01 0067 Clinical center for research on Parkinson's and allied diseases - Proteins in the synaptosomes of the rat brain
- TOXICOLOGY, MYCOTOXINS, OCHRATOXINS**
 SEE ALSO FUNGI, ASCOMYCETES, ASPERGILLUS*
 R01ES-00256-08 Mycotoxin toxicity and carcinogenesis in trout
 R01ES-00463-05 Carcinogenic activity of toxigenic *Penicillium* (rodents, fungi)
 ** R01ES-00656-01 Interaction of mycotoxins with macromolecules (mammals, bacteria)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subjects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

TOXICOLOGY, MYCOTOXINS, RUBRATOXINS

- ** ROIES-00256-08 Mycotoxin toxicity and carcinogenesis in trout
 ROIES-00569-09 Fungus toxins and moldy food diseases (rats)

TOXICOLOGY, PLANT POISONING

- SEE ALSO METABOLIC DISORDERS INBORN, FAVISM
 SEE ALSO METALS POISONING, SELENIUM POISONING
 SEE ALSO TOXICOLOGY, PLANT POISONS, HYPOGLYCIN (POISONING)
 POIAM-16716-01 0029 Pathophysiological bases of muscle diseases - Experimental animals (birds, mammals)
 ** P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
 ROIES-00726-01 Biological effects of surfactants (plants, algae, hydra, human, mice)
 ROIFD-00683-01 Biosynthesis, toxicology and control of potato toxicants
 ** ROILM-01655-02 Toxic plants of the Caribbean

TOXICOLOGY, PLANT POISONING, LATHYRISM

- SEE ALSO TOXICOLOGY, PLANT POISONS, LATHYROGENIC AGENTS
 POIAM-15671-04 0011 The biology of skeletal and other connective tissues - Crosslinks in bone collagen (chickens, rats)
 POIHL-16118-01 0006 Mechanisms in the remodeling of lung structure - Metabolism of elastin (human, rats)
 ROINS-08947-05 Metabolic studies on neurotoxins (rodents, plants)

TOXICOLOGY, PLANT POISONS

- ** ROIAI-09477-06 Biochemistry of plant resistance to pseudomonads
 ROICA-05680-13 Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys)
 NOIDA-10079-02 Toxicity studies of marijuana compounds
 ** ROIFD-00120-09 Algal intoxication in shellfish (mollusks, dinoflagellates)
 ** ROIFD-00683-01 Biosynthesis, toxicology and control of potato toxicants
 ** ROIFD-00685-01 Furanoterpenoids in sweet potato-ethylene mediation
 ROIGM-19311-03 Synthesis, conformation, and mode of action of tenotoxin (plants)
 ** ROIGM-19312-03 Characterization of host-specific toxins (fungi, oats)
 ** ROIGM-19783-01 Action and metabolic fate of liver toxins (mice, sheep, plants)
 ROIHD-08288-01 Assay of potato tuber metabolites (fungi, marmosets, rodents, swine)
 POIHL-08214-11 0004 Chemical and biological properties of lipids - Lipids in microorganisms and plants (ginkgo, moss)
 ** ROILM-01655-02 Toxic plants of the Caribbean
 ** ROINS-10484-03 Toxins causing paralytic noninflammatory neuropathy (Karwinska)

TOXICOLOGY, PLANT POISONS, CYCAD POISONS

- SEE ALSO AZO COMPOUNDS, CYCASIN
 ** ROINS-03909-13 Biochemistry and histopathology of cycasin toxicity (rats)

TOXICOLOGY, PLANT POISONS, CYANOGENIC GLYCOSIDES

- ** ROIAM-16006-03 Nutritional factors and SCN in thyroid development (rats)
 ROIGM-05301-17 Metabolism of aromatic compounds (plants)

TOXICOLOGY, PLANT POISONS, GRAYANOTOXINS

- ROINS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)

TOXICOLOGY, PLANT POISONS, HYPOGLYCIN (POISONING)

- ** POZAM-04501-13 0020 Metabolic disease research center - Hepatotoxins (rats, children)
 ROIAM-17453-02 Biochemical studies of hepatic encephalopathy (human, rats)
 ROINS-05096-11 0012 New amino acid disorders in cerebral disease - Hypoglycin A induced isolaric acidemia and other abnormalities (rats)

TOXICOLOGY, PLANT POISONS, LATHYROGENIC AGENTS

- SEE ALSO AMINO ACIDS, ALANINE, BETA-CYANO-L-ALANINE
 SEE ALSO TOXICOLOGY, PLANT POISONING, LATHYRISM
 ** ROIAM-14047-06 Biological control of scar tissue (rats, dogs)
 ROIAM-14918-04 Connective tissue response to immobility (human, rabbits, dogs)
 ROIAM-16127-04 Pathologic synthesis of collagen (human, rats)
 ROIDE-02636-08 Mobilization of connective tissue components (rabbits, rats, human)
 POIDE-02918-06 0004 Oral-facial growth and development in primates - Production and treatment of cleft lip and palate (M mulatta)

- ROIDE-03927-01 Experimental studies on orofacial development (baboons, monkeys)
 ** ROINS-08947-05 Metabolic studies on neurotoxins (rodents, plants)

TOXICOLOGY, PLANT POISONS, MICROTOXIN

- ROIEY-00777-03 Neural interactions of the retina (dragonflies)
 RO3MH-25760-01 Effect of retrieval on stored information (rats)
 ROINS-08851-04 Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks)
 ROINS-09831-03 Synthesis of the CNS stimulant dendrobine
 ROINS-11284-01 Drug effects on vestibular neurons (cats)

TOXICOLOGY, PLANT POISONS, TOXALBUMINS (PLANT)

- ** ROICA-10666-07 0003 Molecular pharmacology of tumor and virus inhibitors - Ricin
 ROICA-12404-04 Oncolysis by tumor antibody-diphtheria toxin conjugates (mice, guinea pig, human)
 ** ROICA-16206-01 Ricin-A plant agglutinin with antitumor properties
 POINS-04553-10 0001 Neuropharmacology and neurochemistry program research - Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits)
 ROINS-05572-10 0003 Ultrastructural basis of neuropsychiatric disease - Immunocellular methods for cell surface and intracellular labeling

TOXICOLOGY, POISONING

- SEE ALSO ALCOHOLISM - DRINKING, ALCOHOLISM
 SEE ALSO DRUGS ADVERSE EFFECTS
 SEE ALSO FOOD POISONING
 SEE ALSO HALOGEN POISONING
 SEE ALSO IRON DISORDERS AND IMBALANCES, IRON POISONING (ACUTE)
 SEE ALSO METALS POISONING
 SEE ALSO TOXICOLOGY, CYTOTOXICITY
 SEE ALSO TOXICOLOGY, DETOXICATION
 SEE ALSO TOXICOLOGY, PLANT POISONING
 ROIAM-00745-20 Erythrocyte production and destruction (human, monkeys)
 ROIDA-00687-01 Evaluation of method for drugs analyses
 ** P10ES-00002-12 0006 Occupational and environmental health - Modification of toxicity of chlorinated aliphatics (rats)
 P10ES-00210-07 0024 Center for environmental management - Intoxication by nitrogen oxides
 P10ES-00210-07 0025 Center for environmental management - Steady state subacute and subchronic hydrazine intoxication (rats)
 ROIES-00894-01 Aqueous solution studies of arsenates and vanadates
 ** ROIFD-00010-15 Toxicology of commercial products
 ** ROIFD-00011-09 Activated charcoal-Antidote in accidental poisoning (rats, dogs)
 P11GM-14270-08 0026 Human drug metabolism and toxicology - Dopamine analogs (human)
 ** P11GM-16216-06 0055 Toxicological problems of drugs (placental transfer, lactation) - Research approaches to treatment of organic chemical poisoning (mammals subhuman)
 POIGM-16492-06 0008 Design of chemotherapeutic agents - Mass spectrometry center-Service function (human)
 POIHL-08899-10 0016 Oxygenation and oxygen effects in man - Oxygen tolerance in man
 ROIHL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
 ROINS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 ** ROINS-11618-01 Behavioral and neural effects of toxicosis and pain (rats)
 ROIOH-00368-03 Occupational exposure to organophosphorus compounds (human)
 ** MOIRR-00051-13 0109 General clinical research center - Acute phosdrin exposure (human)
 ** MOIRR-00069-12 0096 General clinical research center, children - Treatment of pesticide poisoning
 ** MOIRR-00628-04 0027 General clinical research center for children - Salicylate elimination kinetics

TOXICOLOGY, POISONING, AMMONIA INTOXICATION

- SEE ALSO LIVER DISORDERS, HEPATIC COMA-ENCEPHALOPATHY
 SEE ALSO METABOLIC DISORDERS INBORN, UREA CYCLE, HYPERAMMONEMIA (GENERAL)
 ROIAM-04732-13 Influence of nutrition on enzyme systems (rats)
 ** ROIAM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)
 ROIAM-10960-08 Topochemistry of urease and its hydroxamate inhibitors (plants, bacteria, rodent)
 ROIAM-17299-02 0006 Induction and suppression of urea cycle enzymes - OCT deficiency in children
 ROIAM-17299-02 0008 Induction and suppression of urea cycle enzymes - Urea cycle enzyme assays in propionic acid metabolism (human)

- ROIHD-01784-09 Growth patterns and body composition (swine miniature)
 ** POIHD-02147-08 0008 Extraterine growth and development - Parenteral nutrition and adaptation of digestive enzymes (human)
 ROINS-07838-06 Pathophysiology of cerebral hypoxia (human, animals)
 ** MOIRR-00039-14 0064 General clinical research center - Ammonia content of food
 ** MOIRR-00076-12 0112 General clinical research center - Essential amino acid effect on blood ammonium (human)
 ** MOIRR-00645-03 0041 Clinical research center - Control of nitrogen metabolism in pediatric patients

TOXICOLOGY, POISONING, ANTIDOTES

- SEE ALSO GASTROINTESTINAL AGENTS, EMETICS
 ROIAM-01489-17 Toxic liver necrosis and fatty liver (rats)
 ROIAM-10894-08 0004 Genetic metabolic diseases of infancy and childhood - Galactose toxicity (chicks, rats)
 ROIAM-12413-07 Purine metabolism in gout (human, birds)
 ROIAM-13195-05 Carbon tetrachloride hepatotoxicity (rats, guinea pigs)
 ROIAM-16774-02 Structural parameters in hepatic disease (rats)
 ROICA-11271-06 Biochemical studies of hepatoma production by ethionine
 ** ROIDA-00605-01 Cyclic AMP-antidote to hypnotic drug overdose
 ** RO3DA-00723-01 Antidotal study of amphetamine intoxication
 ** P10ES-00002-12 0006 Occupational and environmental health - Modification of toxicity of chlorinated aliphatics (rats)
 P10ES-00049-10 0004 Mode of action and metabolism of organic toxicants - Pyrethroids mode of action (milkweed bugs)
 P10ES-00049-10 0022 Mode of action and metabolism of organic toxicants - Thiocarbamate herbicides-Metabolism and mode of action (mice, plants)
 P10ES-00049-10 0025 Mode of action and metabolism of organic toxicants - Polycyclic phosphorus compounds with toxicological properties (mice, chicks)
 ** P10ES-00267-07 0007 Center for environmental toxicology - Chelating agents for heavy metals (mice)
 P10ES-00267-07 0008 Center for environmental toxicology - Mycotoxins and other plant poisons (mice)
 ** P10ES-00267-07 0011 Center for environmental toxicology - Developmental toxicology and teratology (rodents, rabbits, human)
 ** P10ES-00481-03 0008 Subcellular pathology of heavy metals - Effects of chelators on metal metabolism
 ROIES-00760-01 Lasting effects of prenatal low dose methylmercury (rats, chickens)
 ** ROIES-00843-03 Diagnosis and therapy of chronic childhood plumbism
 ROIES-00902-02 Diagnosis and therapy of chronic childhood plumbism
 ** ROIES-00926-01 Toxicology of paraquat (rats)
 ** ROIES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
 ROIFD-00010-15 Toxicology of commercial products
 ** ROIFD-00011-09 Activated charcoal-Antidote in accidental poisoning (rats, dogs)
 ROIFD-00605-01 Poisonous dinoflagellates and shellfish poisoning
 ROIGM-15591-07 Hemorrhagic and necrotic toxins in snake venoms (mice)
 P11GM-15956-07 0019 Factors affecting the responses to drugs - Effects of hyperbaric oxygen and methylene blue on methemoglobinemia (mice)
 ROIGM-20424-01 Macrocyclic ligand kinetics-polythioether complexes (in vitro, in vivo)
 ROIHL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
 ROINS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 ** ROINS-06455-09 Organophosphorus agents within various synapses (rabbits, mice, human)
 MOIRR-00628-04 0027 General clinical research center for children - Salicylate elimination kinetics

TOXICOLOGY, PROTOZOAL TOXINS

- ** ROIAI-10845-20 Virus structure and growth in cultured cells
 ROIFD-00605-01 Poisonous dinoflagellates and shellfish poisoning

TOXICOLOGY, PROTOZOAL TOXINS, SAXITOXIN

- ROIFD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
 ROIGM-09686-13 Chemistry of natural products

TOXICOLOGY STUDY SECTION

- ** ROIAI-07615-09 Purification and chemistry of the enterotoxins (monkeys, rabbits, pigs)
 ** ROIAI-09902-04 Microsomal mixed-function oxidases (flies)
 ** ROIAM-01489-17 Toxic liver necrosis and fatty liver (rats)
 ** ROIAM-13195-05 Carbon tetrachloride hepatotoxicity (rats, guinea pigs)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AM-14513-04 Biliary excretion in neonatal toxicology (rats)
- M R01AM-15521-03 Nutritional and metabolic effects of fluorides
- ** R01AM-17217-01 Carbonic anhydrase, calcium metabolism and DDT (birds)
- R01CA-13285-03 Pancreatic effects of cancer chemotherapeutic agents (mice)
- ** R01ES-15287-01 Effect of selenium on chemical carcinogenicity (rats)
- ** R01CA-15615-01 Effects of hydrazines on RNA and polyamines (rats)
- ** R01CA-15760-01 Modification of polycyclic hydrocarbon carcinogenesis (rats)
- ** R01CA-15897-01 Aryl hydrocarbon hydroxylase induction in rat kidney
- ** R01CA-16352-01 Methylchrysenes—New probes for mechanism of carcinogen
- ** R01DE-02944-06 Structure and toxicogenic activities of dental compounds (mice)
- R01ES-00075-10 Enzyme mechanism of insecticide metabolism (rats)
- ** R01ES-00084-10 Factors affecting pesticide toxicity (fish, frogs, mice)
- ** R01ES-00109-09 Interactions of pesticides, drugs and other chemicals (mice, rats, quail)
- ** R01ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
- ** R01ES-00205-21 Insecticide metabolism in animals and microorganisms (plants, insects, mammals)
- ** R01ES-00223-09 Comparative toxicology of certain pesticides (mice, human, algae, bacteria)
- R01ES-00254-12 Selenium metabolism (bacteria, plants, rats, mice)
- ** R01ES-00263-09 Biological and toxic effects of cyclopropenoids (fish, rats, mice)
- ** R01ES-00296-06 Pesticide resistance studies (Pine mice)
- R01ES-00322-10 Benzene toxicity and metabolism (mice)
- ** R01ES-00336-06 Aflatoxin toxicity influenced by various factors (rats)
- ** R01ES-00353-07 Pathogenesis of pulmonary berylliosis (guinea pigs)
- ** R01ES-00362-16 Detoxication mechanisms in insects (houseflies)
- ** R01ES-00396-06 Tolerance to cholinesterase inhibitors (rats)
- ** R01ES-00400-06 Microsomal enzymes (army worms, mammals)
- R01ES-00404-06 Carbon monoxide and cultured heart cells (rats)
- M R01ES-00412-06 Mechanisms of insecticide resistance
- ** R01ES-00426-04 Effect of environmental pollutants on enzyme systems
- ** R01ES-00435-06 Effect of low levels of lead on protein synthesis (rabbits, mice)
- ** R01ES-00463-05 Carcinogenic activity of toxigenic *Panicum* (rodents, fungi)
- ** R01ES-00490-05 Dietary factors and aflatoxin toxicity (rat)
- ** R01ES-00507-15 Toxicologic interactions of insecticides (rats, mice)
- ** R01ES-00541-04 Metabolism and carcinogenicity of aflatoxins (rats, mice, trout)
- ** R01ES-00550-04 Metabolism and cocarcinogenicity of cyclopropenes (trout, rats, mice)
- ** R01ES-00560-03 Perinatal pesticide toxicity (mice, rats)
- ** R01ES-00569-09 Fungus toxins and moldy food diseases (rats)
- ** R01ES-00585-04 Carcinogenic implications of aspergillotoxicosis (rats)
- ** R01ES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)
- R01ES-00608-04 A series of essays in toxicology
- ** R01ES-00612-04 Biogenesis of the aflatoxins (*Aspergillus*, bacteria, mammals)
- ** R01ES-00613-03 Distribution and fate of inhaled sulfur dioxide (mammals)
- R01ES-00619-03 Mechanism of tolerance to organophosphorus insecticides (rats)
- ** R01ES-00620-03 Pesticide induced changes in central nervous function (cats)
- R01ES-00634-03 Biochemistry of arsenate (plants)
- ** R01ES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
- ** R01ES-00640-01 Aflatoxin metabolism by human liver
- ** R01ES-00654-01 Photoreaction and herbicide metabolism
- ** R01ES-00656-01 Interaction of mycotoxins with macromolecules (mammals, bacteria)
- ** R01ES-00664-03 Biochemistry of lead toxicity and its reversal (rats, dogs)
- R01ES-00673-03 Biochemical effects of ambient oxidant air pollution (human, rats, mice)
- ** R01ES-00674-01 Carcinogenicity of environmental mycotoxins (rats)
- ** R01ES-00699-15 Abnormal trace metals in disease (mice, rats)
- ** R01ES-00700-01 Mechanism of the neurotoxicity of venoms (mice)
- ** R01ES-00701-01 Effects of piperonyl butoxide on chemical carcinogenesis (rats)
- R01ES-00710-03 Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches)
- R01ES-00712-02 Antibiotic mucor oncology of mycotic hepatomagenesis (ducks)
- ** R01ES-00713-03 Nitrore sarcosine, an environmental hazard (mice)
- ** R01ES-00723-03 Physiopathologic effects of lead (swine, mice, hamsters, microorganisms)
- ** R01ES-00743-03 Mechanisms of enzymatic dechlorination (rats, human)
- ** R01ES-00769-09 Toxicity studies with a chelating agent (rats)
- ** R01ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
- ** R01ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)
- ** R01ES-00782-03 Pesticide-induced change during the perinatal period (mice, rats)
- ** R01ES-00790-02 Protection by zinc against toxic metals and gases (rats, mice)
- ** R01ES-00797-01 Inorganic particles in cigarettes and cigarette smoke
- R01ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
- ** R01ES-00801-01 Metabolism of aflatoxin B1 (Rhesus monkeys, human, ducks, chick embryo)
- ** R01ES-00802-03 Induction of metallothionein by cadmium, copper, and mercury (mice)
- ** R01ES-00807-01 Selenium toxicity—Role of methionyl-tRNA synthetases (plants)
- ** R01ES-00808-03 Effects and metabolism of photoisomers of cyclodienes (animals)
- ** R01ES-00814-05 Mode of action of insecticides (American cockroach, flies)
- ** R01ES-00826-02 Function of lead in tumorigenesis (mice, rats)
- ** R01ES-00827-02 Factors affecting irritant potency of gases and aerosols (guinea pigs)
- ** R01ES-00831-01 Rapid screening for lead poisoning (human)
- ** R01ES-00833-02 Biochemical studies on CNS teratogenesis by mercury (rats)
- ** R01ES-00834-01 Effects of chlorinated hydrocarbons on mammals
- ** R01ES-00836-02 Effects on the immune system of cadmium toxicity (mice, rabbits)
- ** R01ES-00839-01 Nitrogen dioxide induced alterations in lung macrophage function
- ** R01ES-00840-01 Cellular studies of vertebrate insecticide resistance (mosquitofish)
- ** R01ES-00841-01 Steady-state intoxication by simple hydrazines (rats)
- R01ES-00843-03 Diagnosis and therapy of chronic childhood plumbism
- R01ES-00851-02 Detection of dioxin (human, fish, birds)
- ** R01ES-00858-01 Comprehensive study of toxin from a model jellyfish
- ** R01ES-00863-01 Interactions of PCB's, density, and nutrition (mice, rabbits)
- ** R01ES-00872-01 Respiratory tract irritants—Densitization (rabbits, rodents)
- ** R01ES-00883-01 Effect of lead in the developing neonatal brain (rats)
- ** R01ES-00885-01 Effect of insecticides on cation transport and ATPase (human, animals)
- ** R01ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)
- ** R01ES-00888-01 Influence of trace metals on experimental infections (mice, human)
- ** R01ES-00901-14 Mechanisms of insecticide selectivity (housefly, electric fish)
- ** R01ES-00902-02 Diagnosis and therapy of chronic childhood plumbism
- ** R01ES-00910-01 Pesticide behavioral teratology (mice)
- R01ES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
- R01ES-00921-02 Cadmium-induced prolongation of drug action (rats)
- ** R01ES-00926-01 Toxicology of paraquat (rats)
- ** R01ES-00939-01 Blood lead in children—Effect of anemia, hemoglobin S, G-6-PD
- ** R01ES-00963-01 Toxic metal synergism and mixed chelate therapy (mice)
- ** R01ES-00965-01 Pharmacology toxicology of chlorinated dibenzo-p-dioxins (mice)
- ** R01ES-00974-01 Renal handling of DDA and its implications (flounder)
- ** R01ES-00976-01 Screening of urban children for lead poisoning
- ** R01ES-01024-01 Chloramphenicol effects on carbon tetrachloride induced liver damage (rats)
- ** R01ES-01055-01 Lead and PCBs—Pharmacologic and toxicologic studies (human, mammals, birds)
- ** R01ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
- ** R01EY-00065-09 The action of drugs and poisons on the eye (primates, rabbits, rodents, cats)
- ** R01FD-00011-09 Activated charcoal—Antidote in accidental poisoning (rats, dogs)
- ** R01FD-00014-07 Neutralizing snake venom toxicity by chemical agents (mice)
- R01FD-00035-09 Biosynthesis and action of estrogenic hormones (fungi, swine, rats)
- ** R01FD-00041-05 Biochemical mechanisms for hexachlorophene toxicity (rats)
- ** R01FD-00083-08 Determination and reaction of food gums
- ** R01FD-00097-07 Changes in muscle proteins caused by microbial growth (bacteria, swine, cattle)
- ** R01FD-00120-09 Algal intoxication in shellfish (mollusks, dinoflagellates)
- ** R01FD-00146-05 Characterization of arthropod toxicants (mammals)
- ** R01FD-00155-07 Toxigenic fungi in food products and feeds
- ** R01FD-00213-13 Preparation of a food additives code
- ** R01FD-00282-04 Nitrate and nitrite accumulation in vegetables (spinach)
- ** R01FD-00433-04 Carbonyl accumulation during browning (rats)
- R01FD-00480-01 Sorption methods in the treatment of child poisoning
- ** R01FD-00574-01 Pharmacokinetics and toxicity of aerosol propellants (dogs, rabbits)
- ** R01FD-00576-01 Metabolism of Di-t-butylhydroxytoluene (BHT)
- R01FD-00605-01 Poisonous dinoflagellates and shellfish poisoning
- ** R01FD-00683-01 Biosynthesis, toxicology and control of potato toxicants
- ** R01FD-00683-01 Furanoterpenoids in sweet potato-ethylene mediation
- ** R01FD-00691-10 Chemistry and biological activity of botulinum toxin
- ** R01GM-15591-07 Hemorrhagic and necrotic toxins in snake venoms (mice)
- ** R01GM-18623-03 Pharmacology and toxicology of drug-chromatin interaction (rats)
- ** R01GM-18764-03 Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats)
- ** R01GM-19172-03 Sea snake venoms and toxins (mice)
- R01GM-19420-03 Methanol metabolism in human tissues in vitro (also rats, monkeys)
- ** R01GM-19783-01 Action and metabolic fate of liver toxins (mice, sheep, plants)
- ** R01GM-20424-01 Macrocyclic ligand kinetics-polythiaether complexes (in vitro, in vivo)
- ** R01HD-03867-05 Comparative studies in perinatal toxicology (rats, opossum)
- ** R01HD-04445-05 Perinatal detoxification mechanisms (rabbits, rats, monkeys)
- ** R01HD-07240-05 Fetal effects of sulfoxidation in pregnant rats
- ** R01HL-10906-09 Toxicity to and pharmacology of hydralazine (human, rats, mice)
- R01HL-10941-08 Pathogenesis of hepatic veno-occlusive disease (monkeys, rats)
- ** R01HL-14127-12 Sulfide poisoning and methemoglobinemia (rabbits, mice, rats)
- ** R01HL-14412-03 Cardiac toxicity of aerosol propellants (human, mammals)
- ** R01HL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke
- R01NS-03909-13 Biochemistry and histopathology of cyanide toxicity (rats)
- ** R01NS-06855-08 Mode of action of insecticides—electrophysiological (crayfish, squid, frogs)
- ** R01NS-08947-05 Metabolic studies on neurotoxins (rodents, plants)
- ** R01NS-09090-04 Biochemical basis of OP pesticide effects on function (squid)
- ** R01NS-09144-05 Attempted isolation of acetylcholine receptor (fish, rats, lobsters)
- ** R01NS-09356-04 Chronic inhibition of cholinesterase (rats)
- ** R01OH-00316-09 Metabolism of hydrocarbons and related toxicants (rats, rabbits)
- ** R01OH-00367-03 Respiratory tract irritants—Mechanisms and tolerance (mice, rabbits)

TOXICOSIS, THYROTOXICOSIS

SEE THYROID GLAND DISORDERS, HYPERTHYROIDISM

TOXINS

- SEE ALSO IMMUNOLOGY, ANTIGENS
- SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
- SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL
- SEE ALSO IMMUNOLOGY, ANTITOXINS
- SEE ALSO TOXICOLOGY, ANIMAL POISONS
- SEE ALSO TOXICOLOGY, PLANT POISONS
- ** R01AI-00868-18 Toxicity and infectivity of psittacosis organisms
- ** R01AI-02091-08 Establish laboratory for titration of cholera skin toxins (mice)
- R01AI-10279-01 Plaques and toxins in cell structure by *P. aeruginosa* (rabbits)
- ** R01AI-10492-03 Virulence of *Corynebacterium diphtheriae* interferon and cell-mediated immunity
- ** R01AI-10900-03 Permeability factor of *Pseudomonas aeruginosa* (mice, rabbits)
- R01AI-11241-02 Biochemical tissue necrosis by *Clostridium histolyticum* (mice, rabbits)

(contd)

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M Grant has subprojects describing specific research aspects.

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- ** R01A-11337-02 Control of toxin production in viral-infected cells
 ** R22A-11416-02 Cholera toxin and adrenal cells in tissue culture
 R01A-11843-02 Non-specific resistance to infection, intoxication (human, rodents, dog, chicken)
 R01AM-06487-12 Facilities for the study of the properties of proteins (human, animals)
 R01CA-14156-03 Responses of polyribosomes in liver cancer (rats, mice)
 ** P01ES-00597-04 0003 Food-borne environmental toxicants - Peroxide initiated reactions (rats)
 ** P01ES-00597-04 0009 Food-borne environmental toxicants - Bioassay of toxic mutagenic and carcinogenic actions of chemicals
 R01EY-00225-13 Studies on lens metabolism (rats, rabbits)
 R01FD-00120-09 Algal intoxication in shellfish (mollusks, dinoflagellates)
 ** R01GM-15591-07 Hemorrhagic and necrotic toxins in snake venoms (mice)
 R01GM-16031-13 Amphibian toxins—Chemistry and pharmacology (frogs, fish, cats)
 R01HD-00047-10 Control of cell differentiation in culture (chick embryo)
 R01HL-14277-02 Myocardial depressant factor in circulatory shock (cats, dogs)

TOXINS, NECROSINS

- R01AM-15227-04 Effect of age on sulfur amino acid metabolism (rats)
 R01GM-18807-02 Restoration of function of damaged cells and enzymes (insects, mammals)

TOXINS BACTERIAL

SEE IMMUNOLOGY, ANTIGENS BACTERIAL

TOXINS HEMOTOXINS

SEE BLOOD TOXICOLOGY, HEMOTOXINS

TOXINS HEPATOTOXINS

SEE LIVER DISORDERS, TOXIC LIVER DISORDERS

TOXINS MICROBIAL

SEE IMMUNOLOGY, ANTIGENS MICROBIAL

TOXINS MYCOTOXINS

SEE TOXICOLOGY, MYCOTOXINS

TOXINS NEPHROTOXINS

SEE KIDNEY TOXINS, NEPHROTOXINS

TOXINS NEUROTOXINS

SEE NEUROTOXINS

TOXINS OTOTOXINS

SEE EAR DISORDERS, OTOTOXINS

TOXINS PROTOZOAL TOXINS

SEE TOXICOLOGY, PROTOZOAL TOXINS

TOXOCARA

SEE HELMINTHS, NEMATODES, TOXOCARA

TOXOIDS

SEE IMMUNOLOGICAL PREPARATIONS, TOXOIDS

TOXOPLASMA

SEE PROTOZOA, SPOROZOA, TOXOPLASMA

TOXOPLASMA GONDII

SEE PROTOZOA, SPOROZOA, TOXOPLASMA GONDII

TOXOPLASMA-LIKE ORGANISMS

SEE PROTOZOA, SPOROZOA, TOXOPLASMA-LIKE ORGANISMS

TOXOPLASMOSIS

SEE PARASITIC DISEASES, PROTOZOAL INFECTIONS, TOXOPLASMOSIS

TOYOCAMYCIN

SEE ANTIBIOTICS, TOYOCAMYCIN

TPN (H)

SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

TRABECULAR MESHWORK

SEE EYE, TRABECULAR MESHWORK

TRABECULOTOMY

SEE EYE SURGERY, GLAUCOMA SURGERY, TRABECULOTOMY

TRACE ELEMENTS

SEE CHEMICALS UNLISTED ELSEWHERE, ELEMENTS, TRACE ELEMENTS

TRACHEA

SEE RESPIRATORY SYSTEM, TRACHEA

TRACHEAL STENOSIS

SEE RESPIRATORY DISORDERS, TRACHEAL STENOSIS

TRACHEAL SURGERY

SEE RESPIRATORY SYSTEM SURGERY, TRACHEAL SURGERY

TRACHEOTOMY

SEE RESPIRATORY SYSTEM SURGERY, TRACHEOTOMY

TRACHOMA

SEE EYE INFECTIONS, TRACHOMA

TRACHOMA AGENT

SEE BEDSONIA, TRACHOMA AGENT

TRACHOMA VACCINE

SEE VACCINES, TRACHOMA VACCINE

TRACKING VISUAL

SEE EYE, VISUAL TRACKING

TRACTION

SEE SKELETAL DISORDERS, ORTHOPEDICS, TRACTION

TRADESCANTIA

SEE PLANTS, TRADESCANTIA*

TRAFFIC CONDITIONS

SEE INJURIES, ACCIDENTS VEHICLE

TRAINING

SEE EDUCATION, TRAINING

TRAINING AIDS IN EDUCATION

SEE EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS

TRAINING LEVEL

SEE EDUCATION, TRAINING LEVEL

TRAINING OF MENTALLY RETARDED

SEE MENTAL RETARDATION, EDUCATION AND TRAINING OF RETARDED

TRANQUILIZERS

SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

TRANSACETYLASE

SEE TRANSACYLASES

TRANSACYLASES

SEE ALSO ACYLS, TRANSACYLATION

SEE ALSO AMINOACYLTRANSFERASES

- ** R01A-04181-13 An inducible bacterial enzyme (E coli)
 R01AM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)
 ** R01AM-06011-13 0001 Diet control of lipid metabolism - Partial purification of sn-glycerol-3-phosphate acyltransferase (mice)
 ** R01AM-08823-10 Biosynthetic processes in mitochondria (yeast, ascites tumor, cattle)
 R01AM-15804-03 Pathways and control of fatty acid oxidation (cattle, rats, human)
 P01GM-17184-05 0002 Hereditary variations in man which modify drug toxicity - Human variation in isoniazid acetylation (rabbits, human)
 ** R01GM-19074-03 Histone acetyltransferase from liver chromatin (rats)
 R01GM-19375-03 Control of enzyme activity in mammalian cells (hamsters, Escherichia coli)
 ** R01HD-07422-02 Regulation of pineal enzymic activity by sex steroids (quail)
 R01HD-08258-01 Function of carnitine in the male reproductive tract (rats, monkeys)
 R01NS-12047-04 0003 Role of lipids and lipoproteins in membranes - Cardiolipin metabolism (rats)
TRANSACYLASES, ACETYL COA:L-GLUTAMATE N-ACETYLTRANSFERASE
 P01CA-07368-11 0014 Interrelationships of normal and cancer cells - Steroid derivatives for glioma therapy
 R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)

TRANSACYLASES, AMINOLEVULINATE**SYNTHASE**

- R01AA-00225-07 Hematologic and metabolic studies in alcoholism (human, rats)
 P01AM-09001-10 0033 Biochemistry and immunology of blood diseases - Bone marrow aplasia (dogs)
 R01AM-11148-08 Regulation of heme and hemoprotein synthesis (bacteria, fungi)
 ** R01AM-13091-06 Porphyrins—Enzymatic mechanisms and control of synthesis (bacteria, cattle)
 R01AM-13143-06 Regulation of hemoglobin synthesis (human, guinea pigs)
 R01AM-15189-09 Enzymatic formation of bile pigments (mice, squirrels, human)
 ** R01AM-17360-01 Liver pathology in experimental porphyria (rats, chick embryo)
 R01CA-13773-02 Erythropoiesis in acute myelogenous leukemia (rats)
 ** P01CA-14801-02 0004 Chemotherapy and regulation of oncogenic viruses - Ala-S activity friend disease—Antiviral drug effect
 R01ES-00400-06 Microsomal enzymes (army worms, mammals)
 ** R01GM-04922-18 Heme and chlorophyll biosynthesis (chick embryo, mica, barley)
 ** P01GM-16496-06 0036 Clinical pharmacology—Pharmacokinetics - Drug metabolizing enzymes in liver (rats, human)
 R01HD-04007-05 Synthesis of mitochondrial protein (rats, yeast)

- P01HD-04665-04 0001 Metabolic abnormalities in mental retardation - Interrelationships of iron, porphyrin and energy metabolism (mice, human)

TRANSACYLASES, CHOLINE TRANSACYLASE

- R01AM-03688-14 Relation of fine structure to biochemical function (rats, ducks, slime molds)
 R01AM-16080-03 Renal dysfunction related to choline deficiency (rats)
 ** R01DA-00022-08 Narcotic addiction and brain protein metabolism (mice)
 ** R01DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
 R01DA-00991-01 Chronic cardiovascular effects of marijuana (dogs)
 P01GM-15904-07 0001 Anesthesiology center for research and teaching - Effect of anesthetics on brain enzymes and other cerebral proteins
 R01GM-18360-03 Kinetic studies on drug-protein complex formation
 P01HD-02274-08 0152 Mental retardation and child development - Enzyme studies on epileptic models
 P01HD-05523-04 0003 Analysis of genetic effects on aging - Neurochemical, neuroendocrine and neurophysiological status of aging mice
 R01HD-07091-02 Distribution and functions of ACh in placenta (human, animals)
 R10MH-11468-09 0032 Psychopharmacology research center - Analysis of the level and turnover of acetylcholine (rats)
 R01NS-00282-22 Neurohumoral transmitters and related drugs (animals)
 P01NS-09199-04 0006 Effect of L-dopa on synthesis of amines in brain (human, animals) - Amino synthesizing enzymes in rats with nigral lesions
 R01NS-11310-01 Neurotransmitter biosynthesis (cattle)
TRANSACYLASES, LECITHIN-CHOLESTEROL TRANSFERASES
 R01AM-17685-01 Mechanisms of chylomicron cholesterol homeostasis (rats)
 R01EY-00703-04 Biochemical studies in normal and cataractous lenses (human, rabbits)
 ** R01HL-10642-14 Plasma cholesterol metabolism (human, monkeys)
 ** R01HL-10878-08 Structure and function of serum lipoproteins (human)
 R01HL-12710-05 Fine structure of serum lipoproteins (pigs, human)
 R01HL-13980-03 Function of fatty acid isomers in serum components (mammals, birds)
 ** P17HL-14194-04 0008 Pathophysiology of atherosclerosis - Mechanisms of lecithin cholesterolacyl transferases (human)
 ** P17HL-14237-04 0002 Arteriosclerosis center - Enzymatic basis of lipoprotein lipid metabolism (human, rats)
 ** R01HL-14924-01 Purification and characterization of human plasma Lcat
 ** P17HL-15062-03 0005 Study of lipoproteins, artery wall, and atherosclerosis - Interactions of serum lipoproteins, lecithin-cholesterol acyl transferase
 ** P17HL-15062-03 0008 Study of lipoproteins, artery wall, and atherosclerosis - Lipid modifying enzymes (human)
 R01HL-15263-02 Lipoprotein peptide and enzyme radioimmunoassay (human)
 ** M01RR-00037-14 0074 General clinical research center - Plasma lipoprotein metabolism (human)

TRANSACYLATION

SEE ACYLS, TRANSACYLATION

TRANSALKYLASES, METHIONINE**ADENOSYLTRANSFERASE**

- ** P01CA-08748-09 7412 Research program of Slean-Kettering Institute - Inhibition of proteins biosynthesis by catabolizing enzyme (mice, rats)
 R01CA-13776-02 S-adenosylmethionine analogs as antitumor agents (mice, rats)
 R01GM-10317-12 Biochemistry of sulfonium compounds (bacteria)
 P01GM-16492-06 0004 Design of chemotherapeutic agents - Synthesis of methionine analogues
 ** P01GM-16492-06 0005 Design of chemotherapeutic agents - Pharmacological activities of synthetic analogues (rats, yeast, E coli)

TRANSAMIDASES (AMINOACYLTRANSFERASE)

SEE AMINOACYLTRANSFERASES

TRANSAMIDINASES

SEE AMIDINOTRANSFERASES

TRANSAMINASES

SEE AMINOTRANSFERASES

TRANSAMINATION

SEE AMINES, TRANSAMINATION

TRANSAXIAL TOMOGRAPHY

SEE RADIOGRAPHY, ACTASCAN*

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

TRANSCARBAMYLAISES, ASPARTATE**TRANSCARBAMYLAISE**

- R01AM-00567-21 Regulation of tyrosine and tryptophan metabolism (rats, human)
 R01AM-01005-22 Metabolic studies on animal microorganisms (protozoans)
 ** R01AM-17335-02 Calorimetric analysis of aspartate transcarbamylyase
 R01CA-08232-10 Biochemistry and radiation effect during the cell cycle (bacteria)
 P01CA-14097-02 0001 Cancer research program—Viruses; control mechanisms - Structure, function and interactions of biological macromolecules
 ** R26CA-14917-02 Pyrimidine synthesis and cellular proliferation in colon (mammals, nonhuman)
 R01ES-00997-01 Interactions of toxic metal species with biomolecules (human, ungulates, E coli)
 R01GM-04725-18 Physicochemical studies of biochemical reactions (rabbits, human)
 R01GM-05365-17 Biological investigations with isotopes
 ** R01GM-06920-15 Molecular structure of biologically active molecules
 ** R01GM-11788-11 Mechanisms of catalysis and allosteric control (E coli)
 ** R01GM-12159-11 Structures-interactions of biological macromolecules (E coli)
 R01GM-12607-10 Protein structure and biological function (human, microorganisms, mice)
 R01GM-13292-10 Kinetics of physiologically important reactions (rabbits, bacteria, cattle)
 R01GM-16195-06 Biomolecular structure by electron microscopy
 R01GM-17190-05 Enzyme kinetics by nuclear magnetic resonance
 ** R01GM-18038-04 NMR studies of aspartate transcarbamylyase and tRNA (E coli)
 R01GM-18472-04 Ligand binding to subunit proteins (human, ungulates, viruses)
 R01GM-18633-07 Analysis of the genes involved in tRNA production (Salmonella typhimurium)
 R01GM-19363-10 Studies of cellular regulatory mechanisms (Drosophila)
 ** R01GM-21111-02 Study of biomolecules by magnetic resonance methods
 R01HD-06538-03 Carbamyl enzymes and differentiation (bacteria, rats)
 R01HD-07275-01 Hormonal regulation of brain pyrimidine biosynthesis (rats)
 P07RR-00711-02 0002 High frequency NMR biotechnology resource - Structural changes in subunit-ligand interactions of allosteric proteins

TRANSCARBAMYLAISES, ORNITHINE**TRANSCARBAMYLAISE**

- ** R01AM-09527-09 Transport, metabolism of amino acids and hexoses (human, rabbits, rodents)
 R01AM-17299-02 0001 Induction and suppression of urea cycle enzymes - Liver cell culture
 R01AM-17299-02 0003 Induction and suppression of urea cycle enzymes - Induction by amino acids (rats)
 R01AM-17299-02 0005 Induction and suppression of urea cycle enzymes - Dibutyl-cyclic-amp in rats
 ** R01AM-17299-02 0006 Induction and suppression of urea cycle enzymes - OCT deficiency in children
 ** R01CA-03571-17 Enzyme biosynthesis and regulation—Urea biosynthesis (frogs)
 R01CA-14534-02 Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents)
 ** P01GM-20124-02 0002 Center for human genetics and inherited disease - Hereditary metabolic diseases in cultured liver cells (human, rats)
 ** M01RR-00069-12 0078 General clinical research center, children - Detection of carriers of ornithine transcarbamylyase deficiency
 M01RR-00125-11 0170 General clinical research center—adult-child - Liver enzymes of urea cycle in primary hyperammonemia

TRANSCARBOXYLAISE

SEE TRANSCARBOXYLAISES, METHYLMALONYL-COA-PYRUVATE TRANSCARBOXYLAISE

TRANSCARBOXYLAISES

- R01AI-12033-01 Fatty acid metabolism in propionic acid bacteria
 ** R01AM-12245-07 Structure of biotin enzymes (cattle, birds, microorganisms)
 R01AM-13351-07 NMR studies of enzyme-metal-substrate interactions
 R01AM-14575-05 Phosphoenolpyruvate carboxylases
 R01GM-10017-12 Chemical forces stabilizing protein structure (yeasts, plants, mammals)
 ** R01GM-11839-11 Utilization of CO₂ and the total synthesis of acetate (bacteria)

TRANSCARBOXYLAISES, METHYLMALONYL-COA-PYRUVATE TRANSCARBOXYLAISE

R01AM-14575-05 Phosphoenolpyruvate carboxylases

TRANSCENDENTAL MEDITATION

SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE, MEDITATION

TRANSCOBALAMIN I DEFICIENCY

SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, VITAMIN B12 TRANSPORT DEFECT

TRANSCOBALAMIN II DEFICIENCY

SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, VITAMIN B12 TRANSPORT DEFECT

TRANSCORTIN

SEE GLOBULINS, CORTICOSTEROID BINDING GLOBULIN

TRANSCRIPTION

SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION

TRANSDUCING VIRUSES

SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

TRANSDUCTION (GENETIC)

SEE GENETICS, SOMATIC CELL AND TRANSFORMATION, TRANSDUCTION

TRANSFECTION

SEE GENETICS, SOMATIC CELL AND TRANSFORMATION, TRANSFECTION

TRANSFER (CHEMICAL) OF LEARNING, MEMORY

SEE PSYCHOLOGY, LEARNING, BIOCHEMISTRY

TRANSFER (LEARNING)

SEE PSYCHOLOGY, LEARNING, TRANSFER

TRANSFER FACTOR (HYPERSENSITIVITY)

SEE HYPERSENSITIVITY, TRANSFER FACTOR (HYPERSENSITIVITY)

TRANSFER REACTIONS (CHEMISTRY)

SEE CHEMICAL TRANSFER (REACTIONS)

TRANSFER RIBONUCLEIC ACID

SEE NUCLEIC ACIDS, TRNA

TRANSFERASE DEFICIENCY GALACTOSEMIA

SEE METABOLIC DISORDERS INBORN, GALACTOSEMIA

TRANSFERASES

SEE ALSO AMIDNOTRANSFERASES

SEE ALSO AMINOTRANSFERASES

SEE ALSO GLYCOSYLTRANSFERASES

SEE ALSO HYDROXYMETHYLTRANSFERASES

SEE ALSO NUCLEOTIDYLTRANSFERASES

SEE ALSO PHOSPHORYLAISES

SEE ALSO PHOSPHOTRANSFERASES

SEE ALSO TRANSACYLAISES

SEE ALSO TRANSMETHYLAISES

SEE ALSO TRANSSULFURASES

- ** R01AI-08362-07 Approaches to R factor origin and expression (human, bacteria)
 ** R01AM-05310-13 Fatty acid activation and transfer to glycerolipids (rats)
 R01AM-09758-09 Polyunsaturated fatty acid interconversions (rats)
 R01AM-11060-17 Mechanisms of androgen action (animals)
 ** R01AM-13407-06 Glycosyltransferases
 ** R01AM-14415-03 Intracellular function of cyclic 3 5 AMP (bovine tissues)
 R01AM-15150-03 Hydroxy fatty acid metabolism and function (coelenterates, chickens, rats, yeast)
 R01AM-15178-03 Genetic and nutritional defects in skeletal growth (animals)
 ** R01AM-15804-03 Pathways and control of fatty acid oxidation (cattle, rats, human)
 R01AM-17550-01 Nutritional (manganese) deficiency and lysosomal function (chickens)
 ** R01CA-04186-16 Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks)
 P01CA-07175-11 0016 Cancer research at the McArdle laboratory - Carcinogenesis by RNA viruses (rats, mice, chickens)
 P02CA-11067-05 0014 Clinical cancer research center - Pharmacologic inhibition of transcriptase activity, oncogenesis of RNA tumor vir
 ** R01CA-12053-03 The mechanism of action of SH activated cathepsins
 P01CA-13038-03 0069 Experimental therapeutics and cancer drug program - Aflatoxins and rat liver sialyltransferase
 ** R01CA-13992-02 0001 Surface membranes of normal and cancer cells - Sialyl transferase in virus-transformed cells (hamsters, ducks)
 R01CA-14319-02 Glycosphingolipid biochemistry in transformed cells (human, hamsters, cattle)
 ** R01CA-15516-01 ABO(H) blood groups and blood group enzymes in cancer (human, seeds)
 ** P01CA-16359-01 0014 Cancer center support grant - Arginyl-tRNA protein transferase
 R01DE-03108-04 Polysaccharides from oral streptococci
 ** R23DE-03937-01 Mutant glucosyl transferases of streptococcus mutans

- ** P01ES-00044-10 0002 Mechanisms of pesticide action - Molecular basis for comparative toxicity (insects, mammals nonhuman)
 R01GM-08822-13 Mechanism of amylase action (bacteria, swine, protozoa)
 R01GM-18541-04 Structural analysis of crystalline ribosomes (chick embryo)
 R01GM-18816-03 Calorimetric and NMR study of metalloenzyme systems
 R01GM-19056-03 Enzyme mechanisms for acyl transfer reactions (swine, human)
 R01GM-19101-02 Oligosaccharide synthesis and glucose rearrangements
 R01GM-19111-03 Peptidyl transferase recognition sites
 R01GM-08293-02 Genetic and biochemical study of a multienzyme complex (bacteria)
 R01GM-20454-02 Human gene linkage relationships in cell hybrids (human, mice, hamsters)
 R01GM-21189-01 Structural studies of biological complexes
 ** R01GM-21723-01 N-acetylation of drugs—Biochemical and pharmacogenetic studies (rabbits, rats)
 R01HD-02268-09 Maturation of liver for the metabolism of bilirubin (rats, human)
 R01HD-08185-01 Nucleo-cytoplasmic interactions during development and aging (human, rats)
 R01HD-08293-01 Cellular energy metabolism during fetal development (chick, rat, cow)
 R01HL-16464-01 Synthesis and study of hypolipidemic agents (mice, rats)
 N01MH-30008-00 Synthesis and assay of S-adenosylmethionine analogues
 R01NS-09608-05 Biochemical aspects of nerve function (rats)
 ** R01NS-09915-03 Hormone influence on brain function and malfunction (human, primates)
 ** R01NS-11087-01 Purified choline acetyltransferase (guinea pig)
 R01NS-11580-01 New neuropharmacologic tools for cholinergic studies
 P01NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
TRANSFERASES, TRANSKETOLASE
 R01AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
TRANSFERRIN
 SEE METALLOPROTEINS, TRANSFERRIN
TRANSFORMATION
 SEE GENETICS, SOMATIC CELL AND TRANSFORMATION
 SEE IMMUNITY, CELLULAR, LYMPHOCYTE TRANSFORMATION
TRANSFORMATION MICROBIAL
 SEE GENETICS, MICROBIAL, TRANSFORMATION MICROBIAL
TRANSFORMATION NEOPLASTIC
 SEE NEOPLASTIC TRANSFORMATION
TRANSFORMING VIRUSES
 SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
TRANSFUSION
 SEE BLOOD TRANSFUSION
TRANSFUSION, FETOMATERNAL
 SEE PREGNANCY CIRCULATORY DISORDERS, FETOMATERNAL TRANSFUSION
TRANSGLUTAMINASES
 SEE AMINOACYLTRANSFERASES, TRANSGLUTAMINASES
TRANGLYCOSIDASES
 SEE GLYCOSYLTRANSFERASES
TRANSHYDROXYMETHYLAISES
 SEE HYDROXYMETHYLTRANSFERASES
TRANSIENTS
 SEE SOCIOENVIRONMENT, RESIDENTIAL MOBILITY, MIGRANTS
TRANSKETOLASE
 SEE TRANSFERASES, TRANSKETOLASE
TRANSLATION
 SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
TRANSLATIONS
 SEE INFORMATION DISSEMINATION, TRANSLATIONS
TRANSMETHYLAISES
 ** R01AI-10864-03 DNA methylation control by extrachromosomal factors (E coli, bacteriophages)
 R01AM-09602-07 Amphibian metamorphosis and L-lysine metabolism (rats, calves, human)
 ** R01CA-03728-17 0006 Metabolism of normal and leukemic leukocytes - Methyltransferase, other enzymes catalyzing interconversions of folate compounds
 ** R01CA-10586-07 tRNA methylases in normal and neoplastic tissue
 R01CA-11041-06 Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria)
 ** R01CA-11854-04 Characterization of ribosomal RNA methylases (bacteria, viruses, animal cells)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

|| Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ROI1CA-12235-09** Nucleic acid methylating enzymes (mammals, human, E coli, viruses)
- ** **ROI1CA-12742-03** Lack of control of tRNA methylases in tumor tissue (rabbits)
- ** **ROI1CA-14047-02** Methylations in tumors (rabbits, chickens, anurans, bacteria)
- ** **ROI1CA-16914-01** RNA modifying enzymes in normal and neoplastic cells (rats, yeast)
- NO1CM-12186-04** Development of inhibitors to RNA methylation (mammals nonhuman)
- RO1GM-19020-06** In vitro restriction and modification of phage DNA (bacteria)
- RO3MH-25452-01** Early infantile autism (human)
- TRANSMETHYLASES, S-ADENOSYLMETHIONINE:METHIONINE METHYLTRANSFERASE**
- ** **RO1GM-20594-02** Enzymatic modification of carboxyl residues in protein (rats, E coli, human)
- RO1HD-08444-01** Relation of tRNA to protein errors in aging rat liver
- TRANSMETHYLASES, CATECHOL O-METHYLTRANSFERASE**
- RO1AM-11237-08** Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians)
- RO1DA-00109-03** Morphine tolerance and high sensitivity measurement (rats)
- PO1GM-16593-06 0001** Tissue partitions and toxicity of contrast media (rabbits, dogs) - Molecular pharmacology and protein binding (rabbits)
- RO1HD-04839-05 0003** Metabolism of drug substrates by human placenta - Biotransformation of polycyclic aromatic hydrocarbons in placenta
- RO1HL-12647-05** Norepinephrine in vascular tissue
- RO1HL-12647-05 0001** Norepinephrine in vascular tissue - Inactivation of norepinephrine in vascular tissue (rabbits)
- ** **PO1MH-08618-10 0041** Biological studies of psychotic disorders - Studies of oldemethylase (human)
- RO1MH-13026-07** Pharmacogenetics of audiogenic seizures (mice)
- RO1MH-17436-05** Psychopharmacology of the lithium ion (human, rats, dogs)
- RO1MH-18038-05** Mechanistic study of biological transmethylation
- PO1MH-21586-02** Biogenetic studies of the affective disorders
- ** **RO1MH-25170-01** Toxic interaction of opiates with COMT inhibitors
- PO1MH-25515-01 0002** Collaborative biological research on schizophrenia - Cell biology - Normals, schizophrenics and bipolar depressives (human)
- RO1NS-04703-11** Catecholamine metabolism in neuroblastoma (human)
- ** **RO1NS-10918-01** Inhibition of catechol-O-methyltransferase
- RO1NS-11137-02** Neurochemical correlates of experimental cretinism (rats)
- NO1RR-00847-01 0002** Clinical research centers - Altered catecholamine metabolism in recurrent intrahepatic jaundice (human)
- TRANSMETHYLASES, N-METHYLTRANSFERASES**
- RO1AM-15346-03** Development of mineralized tissues (rats)
- ROI1CA-16269-01** Metabolism and uptake of reduced folic acid antagonists (tissue culture, rats)
- PO1HL-16137-01 0007** Alveolar biology - Phospholipid and protein synthesis in alveolar cell metabolism (animals)
- RO1HL-16853-01** The contractile apparatus in cardiac hypertrophy (rabbits)
- RO1HL-17706-01** Psychosocial hypertension catecholamines and drugs (mice)
- RO1MH-02717-16** Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
- ** **PO1MH-08618-10 0044** Biological studies of psychotic disorders - Hydroxyindole-O-methyltransferase and N-methyltransferase (human)
- ** **RO1MH-14360-07** Psychoendocrine correlates in schizophrenia (rats)
- RO1MH-21042-03** Folic acid and behavior
- PO1MH-25515-01 0011** Collaborative biological research on schizophrenia - Enzymes of neurotransmitter metabolism in brain samples from schizophrenics
- RO1NS-10198-02** Structural analogs of S-adenosylmethionine
- RO1NS-10578-01** Regulation of enzyme development in neurons (rats)
- RO1NS-10918-01** Inhibition of catechol-O-methyltransferase
- RO1NS-11641-19** Biological effects of steroids (mice, rats, monkeys)
- TRANSMETHYLASES, O-METHYLTRANSFERASE**
- ** **PO1MH-08618-10 0039** Biological studies of psychotic disorders - Guaiacal-O-methyltransferase (GOMT) (rats, mice)
- ** **PO1MH-08618-10 0044** Biological studies of psychotic disorders - Hydroxyindole-O-methyltransferase and N-methyltransferase (human)
- RO1NS-10198-02** Structural analogs of S-adenosylmethionine
- TRANSMETHYLASES, THYMIDYLATE SYNTHETASE**
- RO1AI-06336-10** Chemistry of phage invasion, structure and assembly
- RO1AI-11254-01** Folate metabolism in malarial parasites (rats, ducks)
- ROI1CA-05462-14 B** Acute leukemia cooperative study group
- ROI1CA-06522-13** Folate coenzymes—Mechanism of action and transport
- ROI1CA-06695-12** Chemical and biological studies in cancer chemotherapy (rodents, microorganisms)
- ** **ROI1CA-10914-06** Studies on homofolic acid derivatives (bacteria)
- ** **ROI1CA-12842-03** Mechanisms of action of thymidylate synthetase (bacteria)
- ROI1CA-13832-02** Enzymatic prediction of response to anticancer drugs (human)
- ** **ROI1CA-14394-02** Mechanism of thymidylate synthetase—Model studies
- ROI1CA-14615-01** Synthesis and evaluation of new folate antagonists
- ** **PO1CA-14733-02 0018** Control of gene expression, virus replication and cell growth - Ribonuclease activity and TTP synthesis (rats)
- ROI1CA-15360-01** Carcinostatic agents—Mechanisms of action (rats)
- ROI1CA-15645-01** NMR studies of folate-enzyme interactions
- ROI1CA-16191-01** 5-Substituted pyrimidines and cancer chemotherapy
- RO1GM-16306-06** Organization and expression of the genome of bacteriophage T4 (E coli)
- ** **RO1GM-20155-01** Thermodynamic studies of nucleotide synthesis
- RO1GM-20371-01** Regulatory processes affecting enzyme activity (bacteriophage, chick)
- RO1HD-07061-01** Embryo size and nucleotide syntheses, a cancer study (mice)
- PO7RR-00636-02 0017** Special resource for NMR studies in biomolecules - Complex formed by an anti-tumor agent
- ** **PO7RR-00757-02 0022** Implementation of laboratory automation system - Crystallization of dihydrofolate reductase and thymidylate synthetase
- TRANSMETHYLATION**
- SEE ALKYL TRANSFER, TRANSMETHYLATION
- TRANSMISSIBLE ENCEPHALOPATHY OF MINK VIRUS**
- SEE VIRUSES, NEUROTROPIC, TME VIRUS
- TRANSMISSIBLE GASTROENTERITIS VIRUS OF SWINE**
- SEE VIRUSES, TRANSMISSIBLE GASTROENTERITIS VIRUS OF SWINE
- TRANSEPTIDASE (AMINOACYLTRANSFERASE)**
- SEE AMINOACYLTRANSFERASES
- TRANSEPTIDATION**
- SEE PEPTIDES, TRANSEPTIDATION
- TRANSPLANTATION**
- SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION
- TRANSPLANTATION ANTIGENS**
- SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS
- TRANSPLANTATION AUTOLOGOUS**
- SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS
- TRANSPLANTATION HETEROLOGOUS**
- SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS
- TRANSPLANTATION HOMOLOGOUS**
- SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS
- TRANSPLANTATION IMMUNOLOGY**
- SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
- TRANSPLANTATION OF CELL COMPONENTS**
- SEE CELL COMPONENTS TRANSPLANTATION
- TRANSPLANTATION TYPING**
- SEE TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING
- TRANSPORT**
- SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
- SEE BODY FLUID BALANCE, ION EXCHANGE AND TRANSPORT
- SEE CHEMICAL TRANSFER (REACTIONS)
- SEE KIDNEY, RENAL TUBULAR TRANSPORT
- SEE RESPIRATORY GAS TRANSPORT
- TRANSPORT DISORDERS, GASTROINTESTINAL ABSORPTION**
- SEE GASTROINTESTINAL DISORDERS, MALABSORPTION SYNDROMES
- TRANSPORT DISORDERS, INBORN (GENERAL)**
- SEE METABOLIC DISORDERS INBORN, TRANSPORT DISORDERS
- TRANSPORT DISORDERS, RENAL TUBULAR INBORN**
- SEE METABOLIC DISORDERS INBORN, RENAL TUBULAR TRANSPORT DISORDERS INBORN
- TRANSPORT PROTEINS**
- SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
- TRANSPORT SERVICES (HEALTH RELATED)**
- SEE HEALTH CARE SERVICES, TRANSPORT SERVICES
- TRANSPOSITION OF GREAT VESSELS**
- SEE CONGENITAL ABNORMALITIES, CARDIOVASCULAR SHUNTS ABNORMAL, VESSELS TRANSPOSITION
- TRANSSEXUALISM**
- SEE PSYCHOLOGY ABNORMAL, SEX DEVIATION, TRANSSEXUALISM
- TRANSULFURASES**
- SEE ALSO SULFATING ENZYMES
- ** **ROI1CA-12854-03** RNA sulfur-transferase in normal liver and hepatomas (rats)
- ** **RO1HD-06477-03** Effect of thyroxine on tRNA metabolism of the brain (rats)
- ** **RO1NS-04454-11** Cystathionine metabolism in brain (monkeys)
- TRANSULFURASES, COENZYME A TRANSFERASES**
- RO1GM-20888-17** Chemistry and biochemistry of energy transfer
- RO1HD-06291-03** Ketone metabolism in developmental homeostasis (rats, swine, human)
- TRANSULFURASES, SULFOTRANSFERASES**
- ** **RO1AM-00110-23** Chemical methods in steroid metabolism (rats, cattle)
- ** **PO2CA-07177-11 0006** Clinical cancer research center - Steroid and estrogen sulfotransferase activities in breast tumors (human)
- PO1CA-08748-09 5740** Research program of Sloan-Kettering Institute - Estrogen binding in breast tissue (human)
- PO1CA-13038-03 0049** Experimental therapeutics and cancer drug program - Drug metabolism in tumor-bearing animals
- ** **ROI1CA-13645-02** Sulfotransferases in normal and cancerous tissues (human, cattle)
- ROI1CA-14729-02** Detoxication pathways in normal and neoplastic tissues (rats)
- PO1HD-02274-08 0147** Mental retardation and child development - Study of leukodystrophies (human)
- RO1NS-08719-06** Biochemical studies of myelinization (human, cats, rats)
- RO1NS-09973-03** Mechanisms involved in primary demyelination (rats)
- PO1NS-10920-02 0003** Development and regeneration in the nervous system - Maturing oligodendrocytes in developing brain (rats)
- TRANSULFURASES, BETA-THIOL-PYRUVATE TRANSULFURASE**
- RO1GM-18939-03** Sulfanes in metabolism—Crystalline human rhodanese (also bacteria, animals)
- TRANSULFURASES, THIOSULFATE TRANSULFURASE**
- ** **RO1GM-18939-03** Sulfanes in metabolism—Crystalline human rhodanese (also bacteria, animals)
- TRANSVERSE AXIAL TOMOGRAPHY**
- SEE RADIOGRAPHY, ACTASCAN*
- TRASYLOL**
- SEE PROTEASES AND PEPTIDASES, TRASYLOL
- TRAUMA**
- SEE INJURIES, TRAUMA
- TRAUMA, EMOTIONAL, PSYCHIC**
- SEE PSYCHIC SHOCK
- TRAUMATIC HIP DISLOCATION**
- SEE INJURIES, HIP DISLOCATION TRAUMATIC
- TRAVEL**
- NO1AM-32207-02** Evaluation of research in digestive diseases
- R26CA-16270-01** National prostatic cancer project workshop
- NO1DA-40182-00** Drug abuse potential of stimulants, depressants and hallucinogens
- ** **R13CY-01371-01** Young vision scientist travel support
- RO1FD-00635-09** Radiation protection and measurement
- RO1HD-08454-01** Metropolitan home-work place patterns
- NO1HO-32907-03** Support services for the preparation of the National Heart Plans

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- NO1HO-32935-03 Develop a national hypertension information and education program plan
 P16HS-00472-06 0021 Health services research center - Medical program for title XIX recipients
 R18HS-00812-03 Experimental medical care review organization (Georgia)
 R13NS-08328-06 Cerebrovascular workshop
 ** P07RR-00267-09 0135 Biomedical data processing unit - Personal rapid transit system
- TREHALASE**
 SEE CARBOHYDRASES, TREHALASE
- TREHALOSE**
 SEE DISACCHARIDES, TREHALOSE
- TREMATODES**
 SEE HELMINTHS, TREMATODES
- TREMOR**
 SEE NEUROMOTOR DISORDERS, TREMOR
- TREMORINE**
 SEE PYRROLIDINES, TREMORINE
- TRENCHFOOT**
 SEE INJURIES, TEMPERATURE DEPENDENT, COLD INDUCED
- TREPONEMA**
 SEE SPIROCHETES, TREPONEMA
- TREPONEMA PALLIDUM**
 SEE SPIROCHETES, TREPONEMA PALLIDUM
- TREPONEMAL INFECTIONS**
 SEE SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS
- TRIACYLGLYCEROL LIPASE**
 SEE LIPASES, TRIACYLGLYCEROL LIPASE
- TRIAMCINOLONE**
 SEE ADRENAL CORTEX HORMONES ANALOGS, TRIAMCINOLONE
- TRIAMCINOLONE ACETONIDE**
 SEE ADRENAL CORTEX HORMONES ANALOGS, TRIAMCINOLONE ACETONIDE
- TRIAMTERENE**
 SEE PTERIDINES, TRIAMTERENE
- TRIAZINE NUCLEOSIDES, AZACYTIDINE**
 R01AI-12066-01 0002 Nucleoside analogs-Biosynthesis and role in the cell - Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces)
 R10CA-02649-18 Childrens cancer study group A
 R10CA-02824-19 Eastern cooperative oncology group
 R10CA-03357-17 Cooperative study of breast cancer
 R10CA-05186-14 Western cancer study group
 P02CA-05831-13 0027 Cancer clinical research - Pharmacology of new cancer chemotherapy agents
 P02CA-05837-12 0006 Cancer clinical research - Hydroxyurea and cytosine arabinoside (human)
 P02CA-05838-13 0025 Clinical radiotherapy cancer research center - Pediatrics oncology program
 P02CA-06551-11 0015 Cancer clinical research - Chemotherapy (human)
 R10CA-07439-11 Childrens cancer study group A
 P01CA-08748-09 6201 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in adults
 P01CA-08748-09 7202 Research program of Sloan-Kettering Institute - Comparison of activity of pyrimidine derivatives with ARA-C (human, mice)
 P02CA-08832-08 0075 An integrated study of advanced malignant diseases - Chemotherapy for acute myelogenous leukemia (human)
 ** P02CA-08832-08 0106 An integrated study of advanced malignant diseases - 5-Azacytidine-New agent for treating acute leukemia
 R10CA-10379-06 Southwest cancer chemotherapy study group
 R10CA-10572-06 Eastern cooperative oncology group
 R01CA-11050-07 0008 Molecular pharmacology of the cell cycle - Continuous tissue culture lines (hamster)
 R01CA-11050-07 0011 Molecular pharmacology of the cell cycle - Stem cells (mice, human)
 R01CA-11050-07 0012 Molecular pharmacology of the cell cycle - Molecular pharmacology of antitumor drugs
 R10CA-11233-06 Southwestern cooperative chemotherapy study group
 P01CA-12174-04 0025 Growth and cell control processes - Selective inhibitors of cellular macromolecular metabolism (human)
 R10CA-12271-04 Central oncology group
 R10CA-12279-04 Central oncology group
 R10CA-13238-03 Southwest cancer chemotherapy study group
 R10CA-15241-02 Central oncology group
 P01CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)
 R01CA-15857-01 Clinical chemotherapy and pharmacology
- R01GM-10848-17 NMR spectroscopy of biologically important compounds (human)
 ** P11GM-14270-08 0045 Human drug metabolism and toxicology - Cancer drugs-Azacytidine (human)
 ** M01RR-00039-14 0037 General clinical research center - Pseudohypoparathyroidism (human)
 ** M01RR-00039-14 0085 General clinical research center - Plasma clearance and 14C-labeled 5-azacytidine in advanced cancer (human)
 ** M01RR-00063-12 0069 General clinical research center - 5-Azacytidine in advanced cancer (human)
 ** M01RR-00063-12 0086 General clinical research center - Twice weekly azacytidine infusion for metastatic solid tumors (human)
 ** M01RR-00064-10 0053 General clinical research center - Treatment of solid tumor and lymphoma with 5-azacytidine (NSC-102816) (human)
- TRIAZINE NUCLEOSIDES, AZAURACIL NUCLEOSIDES, 6-AZAUURIDINE**
 R01AM-12413-07 Purine metabolism in gout (human, birds)
 ** P02CA-08480-09 0013 Childhood cancer research center - Response of leukemic cells to oncolytic drugs (human)
 ** P02CA-08480-09 0023 Childhood cancer research center - Combination chemotherapy in acute lymphocytic leukemia (human)
 P01CA-08748-09 5413 Research program of Sloan-Kettering Institute - Combination and single agents-survival of myeloma-bearing mice
 R01CA-12732-03 Pharmacological response to oncolytic drugs (human, mice)
 ** P02CA-13943-02 0039 Clinical pharmacology immunology cancer research center - Azarabine metabolism and CNS toxicity in man
 R01CA-15909-01 0002 Drug development-human leukemia growth factors - Drug combination studies (mice, human)
 P01GM-18153-04 0016 Gene control of mammalian cell differentiation - Genetic mapping (human, mice)
 R01HD-00391-15 Regulation of enzyme action during development
 ** M01RR-00833-01 0008 General clinical research center - Treatment of psoriasis with triacetyl azauridine (human)
- TRIAZINES**
 SEE ALSO AZIRIDINES, TEM
 SEE ALSO PESTICIDES, INSECTICIDES, ORGANOPHOSPHORUS INSECTICIDES, GUTHION
 R01CA-08010-10 Mechanism of action of folate antagonists (human, mice, dogs, guinea pigs)
 R01CA-08495-09 Fused heterocycles as potential anticancer agents
 R01CA-15171-01 Structures of antitumor azapurines and azapyrimidines
 ** R01CA-15771-01 Potential carconostatic triathiazines
 N01CM-43762-00 Synthesis of potential anticancer agents
 N01CM-92004-10 Synthesis of new nitrogen heterocyclic compounds
- TRIAZINES, 6-AZAUURACIL**
 R01AI-10862-03 Genetic studies in E coli involving mutant isolation
 R01CA-13718-02 Aberrant gene expression during chemotherapy (rats, mice)
- TRIAZOLES**
 SEE ALSO PESTICIDES, HERBICIDES, 3-AMINO-1H-1,2,4-TRIAZOLE
 R01CA-08495-09 Fused heterocycles as potential anticancer agents
- TRIBUTYRASE**
 SEE LIPASES, TRIACYLGLYCEROL LIPASE
- TRICARBOXYLIC ACID CYCLE**
 SEE TRICARBOXYLIC ACIDS, KREBS CYCLE
- TRICARBOXYLIC ACIDS**
 P01CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)
 R01GM-10828-20 Structure of biologically important compounds
 P01HD-06576-01 0001 Molecular aspects of mental retardation - Metabolic diseases in relation to mental retardation and childhood autism
 R01HL-14933-02 Metabolic studies of viral induced hyperlipemias (chick embryo, rats, children)
- TRICARBOXYLIC ACIDS, CITRATES**
 SEE ALSO DEHYDRATASES, CITRATE (ISOCITRATE) HYDROLYASE
 R01AM-03602-15 Utilization of substrates by the kidney in vivo (dogs, rats)
 R01AM-09822-09 Acid-base balance regulation of renal metabolism (dogs)
 R01AM-10101-09 Effects of acid-base changes on renal metabolism (dogs, rats)
 R01AM-11262-08 Effects of hormones on bone resorption in vitro (tissue culture)
 R01AM-11313-08 Structures and mechanisms of citrate enzymes (bacteria, rats)
- R01AM-12865-06 Mode of insulin action and glycogen synthetase (tadpoles, rats)
 R01AM-14574-05 Apoccarboxylase activation by d-biotin (human, chickens, cattle, E coli)
 R01AM-15458-03 Oxidative metabolism of glutamine by the kidney (dogs, rats)
 P17AM-17624-01 0001 Obesity center - Body nutrient reserves and feeding behavior (rats, mice)
 ** R01AM-17793-04 Relation of potassium, metabolism, hormones to cell pH (rats)
 R01DE-01523-13 Metabolic pathways in bone (mice)
 R01DE-02944-06 Structure and toxicogenic activities of dental compounds (mice)
 R01FD-00599-01 Dietary chelates and calcium metabolism (chicken, quail)
 ** R01GM-17960-04 Surgical stress and trauma on citrate metabolism (human, dogs, rats)
 ** R01HD-08420-01 Prostate citrate metabolism (rats)
 R01HL-04219-16 Fatty acid biosynthesis (rats)
 ** R01HL-14641-09 Phosphate metabolism in transport (human)
 R01HL-14657-03 Chemical events occurring in prothrombin activation (human)
- TRICARBOXYLIC ACIDS, CITRATES, ISOCITRATE**
 SEE ALSO OXIDOREDUCTASES, ISOCITRATE DEHYDROGENASE
 R01GM-19807-02 0013 Membrane permeability as a regulatory element - Isotherms in relation to the presence of membrane active substances (plants)
- TRICARBOXYLIC ACIDS, KREBS CYCLE**
 R01AA-00205-10 Effects of ethanol in cirrhosis and the fatty liver (rats)
 R01AA-00272-04 Platelet utilization and metabolism in alcoholism (human)
 R01AA-00287-04 Effects of alcohol on subcellular organelles of liver (rats, rabbits)
 R01AM-09768-09 Proximal renal tubular fluid transport in vitro (rats)
 R01AM-09822-09 Acid-base balance regulation of renal metabolism (dogs)
 R01AM-10101-09 Effects of acid-base changes on renal metabolism (dogs, rats)
 R01AM-11313-08 Structures and mechanisms of citrate enzymes (bacteria, rats)
 R01AM-12491-06 Osteopetrosis and isolated osteoclasts (rats, mice, rabbits)
 ** R01AM-13939-04 Regulatory mechanisms in energy metabolism (rodents, cattle, plants)
 ** R01AM-13967-04 Regulation of energy metabolism in liver (rats)
 R01AM-14574-05 Apoccarboxylase activation by d-biotin (human, chickens, cattle, E coli)
 R01AM-15120-04 Control of metabolism in normal and diseased states (rat liver)
 R01AM-15297-03 Pathways of carbon and hydrogen in gluconeogenesis (rats)
 R01AM-15458-03 Oxidative metabolism of glutamine by the kidney (dogs, rats)
 R01AM-16129-01 Hepatic metabolism in diabetes and obesity (mice)
 R01AM-16678-01 Role of the mitochondria in hepatic drug metabolism (rats)
 P17AM-17026-01 0008 Vanderbilt University Diabetes-Endocrinology Center - Hormonal regulation of liver metabolism
 ** R01CA-10925-25 Application of crystallographic techniques
 R01CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
 R01CA-11818-04 Adenylate kinase in normal and neoplastic tissues (rats, mice)
 P01CA-12227-04 0008 Core program in carcinogenesis - Enzymatic induction by corticosteroids (rats)
 R01CA-13074-02 Exploitable differences in tumor cell metabolism
 R01CA-13381-03 Metabolic characteristics of cellular immune response (human)
 R01CA-14017-02 Cancer and the control of glycolysis (rats, mice)
 R01CA-14576-02 Energy metabolism and leukemic lymphocytes (human)
 P10ES-00159-09 0015 Center for study of the human environment - Salicylic acid (rats)
 R01GM-06245-15 Chemistry of Krebs cycle enzymes (swine)
 R01GM-07261-14 Enzymatic, chemical reaction adenosine triphosphate (rats, cattle)
 R01GM-10356-11 Immunogenetics of man (and rabbits, mice)
 R01GM-15884-09 Genetic modification of mitochondria
 R01GM-16501-06 Computer modeling of cardiac and hepatic metabolism (rats, mice)
 R01GM-17021-05 Induction and mode of action of hepatic drug oxidase (rats)
 R01GM-19674-01 Control of enzyme synthesis and regulation (bacteria)
 R01GM-19807-02 0015 Membrane permeability as a regulatory element - Conditioning and activation energies of respiratory oxidations
 R01GM-19807-02 0016 Membrane permeability as a regulatory element - Need for ADP in the implementation of uncoupler action (plants)

(cont'd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-19837-02** Coordination of intracellular activities (rats)
- R01GM-20560-01** Anesthesia and pathways of brain glucose oxidation (cattle)
- R01HD-01269-12** Control of metabolism in tetrahymena
- P01HD-05874-04 0007** Biochemical regulation of aging processes - Development of mitochondrial metabolism in brain (guinea pigs)
- P01HD-05969-03 0003** Events that control fertilization - Metabolism and metabolic control of ovary (Rhesus monkey)
- P01HD-06276-03 0063** Mental retardation research program - Metabolic pathways of glucose in fetal brain (human)
- R01HD-08420-01** Prostate citrate metabolism (rats)
- R01HL-09489-09 0002** Myocardial lipid metabolism and regulation - Competitive oxidation of mitochondrial substrate
- R01HL-13028-05** Regulation of myocardial fatty acid metabolism (rats)
- R01HL-13584-03** Platelet preservation related to energy metabolism (human)
- R01HL-14461-03** Cardiac metabolism in heart failure (rats, guinea pigs)
- P17HL-15103-03 0005** Specialized center of research-arteriosclerosis - Bogalusa family studies-Genetics (human)
- P01MH-13002-06 0040** Clinical and laboratory studies of affective disorder - The neurochemistry of aging (rats)
- R01MH-25505-01** Drugs, catechol amines and Krebs cycle interaction
- R01NS-05961-09** Metabolism of the brain (dogs)
- ** R01NS-05979-09** Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs)
- ** P01NS-07366-07 0011** Head injury clinical center research program - Stable metabolic intermediates in traumatized cat brain (also human)
- ** R01NS-07945-04** Aerobic mitochondrial regulatory processes (rabbits, rats)
- R01NS-10670-02** Computer simulation of brain metabolism
- P01NS-11631-01 0069** Clinical center for research on Parkinson's and allied diseases - 6-Hydroxydopamine on amino acid metabolism in rat brain and spinal cord
- P07RR-00015-12 0012** Medical school computer facility - Simulation of complex biochemical systems (rats)
- TRICHINELLA**
SEE HELMINTHS, NEMATODES, TRICHINELLA
- TRICHINOSIS**
SEE PARASITIC DISEASES, HELMINTH INFECTIONS, TRICHINOSIS
- TRICHLOROETHYLENE**
SEE HALOOLEFINS, TRICHLOROETHYLENE
- TRICHOMONAS**
SEE PROTOZOA, MASTIGOPHORA, TRICHOMONAS
- TRICHOMONAS VAGINALIS**
SEE PROTOZOA, MASTIGOPHORA, TRICHOMONAS VAGINALIS
- TRICHOMYCIN**
SEE ANTIBIOTICS, TRICHOMYCIN
- TRICHOPHYTON**
SEE FUNGI, DERMATOPHYTES, TRICHOPHYTON*
- TRICYCLAMOL**
SEE PYRROLIDINES, PYROCICLIDINE
- TRIETHYLENEMELAMINE**
SEE AZIRIDINES, TEM
- TRIETHYLENE THIOPHOSPHORAMIDE**
SEE AZIRIDINE PHOSPHINES, THIOPEA
- TRIFLUOPERAZINE**
SEE PHENOTHIAZINES, TRIFLUOPERAZINE
- TRIFLUOROMETHYL GROUP**
SEE HALOALKANES, TRIFLUOROMETHYL GROUP
- TRIFLUOROTHYIMIDINE**
SEE HALOPYRIMIDINE NUCLEOSIDES, HALOTHYIMINE NUCLEOSIDES, TRIFLUOROTHYIMIDINE
- TRIGEMINAL NERVE**
SEE NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE
- TRIGEMINAL NEURALGIA**
SEE NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
- TRIGEMINAL NUCLEUS (SPINAL)**
SEE BRAIN, PONS, TRIGEMINAL NUCLEUS (SPINAL)
- TRIHESOSIDOSIS (CERAMIDE)**
SEE METABOLIC DISORDERS INBORN, SPHINGOLIPIDOSES, TRIHESOSIDE
- TRIHXYPHENIDYL**
SEE PIPERIDINES, TRIHXYPHENIDYL
- TRIODOBENZOATE CONTRAST MEDIA**
SEE RADIOGRAPHY, CONTRAST MEDIA, TRIODOBENZOATE*
- TRIODOCINNAMATE CONTRAST MEDIA**
SEE RADIOGRAPHY, CONTRAST MEDIA, TRIODOCINNAMATE*
- TRIODOTHYROACETIC ACID**
SEE THYROACETIC ACIDS, IODINATED
- TRIODOTHYBONINE**
SEE THYRONINE, TRIODOTHYRONINE
- TRIMETAPHOSPHATASE**
SEE PHOSPHATASES, TRIMETAPHOSPHATASE
- TRIMETAPHOSPHATES**
SEE PHOSPHATES, TRIMETAPHOSPHATES
- TRIMETHADIONE**
SEE OXAZOLIDINEDIONES, TRIMETHADIONE
- TRIMETHAPHAN CAMPHORSULFONATE**
SEE SULFONATES, TRIMETHAPHAN CAMPHORSULFONATE
- 3,4,5-TRIMETHOXYBENZYL METHYL RESERPATE**
SEE ALKALOIDS, RAUWOLFIA TYPE, RESERPINE
- TRIMETHYLAMINE N-OXIDE**
SEE AMINES, TRIMETHYLOXAMINE
- TRIMETHYLOXAMINE**
SEE AMINES, TRIMETHYLOXAMINE
- TRIOSE ACIDS, GLYCERIC ACID DIPHOSPHATES**
SEE ALSO PHOSPHOMUTASES, PHOSPHOGLYCEROMUTASE
- R01AM-10072-10** Physical chemistry of human hemoproteins
- P01AM-13173-10 0004** Malignant and genetic alterations in human cells - Physical and chemical characterization of pyruvate kinase (human, bovine)
- R01AM-15235-04** Mechanism of action of insulin (rats)
- R01AM-15322-08** Lysis of red cells by hemoglobin and membrane disease (human)
- R01AM-15770-06** Structure and function of hemoglobin (cats)
- R01AM-16638-02** Studies of uremia and exchanges of ions and water
- R01AM-17022-02** Treatment of hepatic failure (swine, human)
- ** R01AM-17320-11** Carbohydrate metabolism in red blood and tumor cells (human)
- R01CA-11447-06** Effect of hyperoxia on normal and neoplastic cells (dogs, mice, human)
- P01CA-12227-04 0016** Core program in carcinogenesis - Control of hemoglobin synthesis by erythroid cells (human)
- R01GM-14276-10** Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs)
- R01GM-14493-08** Molecular sieve chromatography of interacting proteins (lamprey, human)
- P01GM-14892-07 0010** The traumatized patient - Oxygen transport in the injured patient (dogs)
- P01GM-15253-08 0004** Genetics in medicine-Gene action in man - Blood, serum and enzyme population
- P01GM-15430-07 0022** Research in anesthesia - Analytical chemistry
- ** R01GM-19875-02** Enzymes of 2,3-diphosphoglycerate metabolism (human, rabbits, yeast)
- R01GM-20479-01** Affinity labeling of glycolytic enzymes (rabbits)
- P01GM-21797-01 0010** The traumatized patient - Oxygen transport in the injured patient (and dogs)
- R01HD-01860-08** Placental exchange, particularly with O₂ and CO (sheep, piglets, human)
- R01HL-02001-20** Cardiopulmonary physiology (human, dogs)
- R01HL-05004-13** Sickle cell anemia (deer)
- R01HL-05791-14** Structure and function in hemoglobins (sheep, human)
- P01HL-06296-14 0004** Human adaptation to environmental and exercise stress - Clinical studies in cardiovascular diseases (human)
- ** R01HL-06787-12** Aging of hemoglobin in the erythrocyte (human)
- R01HL-07449-12 0002** Formation and survival of red blood cells - Red cell preservation in artificial media and in alkaline CDP (human, rabbits)
- R01HL-07451-12** Structure and oxygen-combining function of hemoglobin (human)
- ** P01HL-07896-13 0012** Environmental biomedical research program - Hyperoxia on oxyhemoglobin dissociation in man and on red cell diphosphoglycerat
- P01HL-08899-10 0010** Oxygenation and oxygen effects in man - High oxygen pressure in septic shock (human)
- P01HL-10342-09 0005** Cardiovascular, pulmonary, and behavioral studies - Adaptive processes to carbon monoxide exposure (human, rats)
- P01HL-10436-09 0005** Congenital heart disease - Pulmonary physiology in pediatric chest diseases
- R01HL-10781-08** Physiology of human heart lung bypass (dogs)
- R01HL-12174-07** Ventilation perfusion distribution in the lung (human, animals)
- R01HL-12256-10** Polymerization of sickle-cell hemoglobin (human)
- R01HL-13930-03** Biochemical and behavioral effects of carbon monoxide (rats)
- P01HL-13979-04 0017** Cardio-pulmonary-renal program - Gelation of deoxygenated sickle cell hemoglobin (human)
- R01HL-14679-03** Mechanism of oxygen supply to tissue (human, animals)
- R01HL-14803-02** Sickle cell crisis-occurrence and resolution
- R01HL-14839-12** Structure reactivity relations in hemoglobins (human, guinea pigs, pigeons)
- P17HL-15061-03 0013** Response of lung to injury - Exchange transfusion in infants with respiratory distress syndrome (human, sheep)
- P18HL-15157-03 0004** Comprehensive sickle cell disease center - Pathophysiology of sickling (human)
- P18HL-15157-03 0009** Comprehensive sickle cell disease center - Red cell membrane alterations during sickling (human)
- P18HL-15157-03 0012** Comprehensive sickle cell disease center - Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human)
- P18HL-15158-03 0004** Comprehensive sickle cell disease center - The neonatal and infantile expression of Hb S (human)
- P18HL-15158-03 0017** Comprehensive sickle cell disease center - Minor hemoglobin and cell fractionation (human)
- ** P18HL-15160-03 0002** Comprehensive sickle cell disease center - Dissociation of hemoglobin S by inorganic and organic compounds (human)
- ** P18HL-15160-03 0006** Comprehensive sickle cell disease center - 2,3-Diphosphoglycerate in sickle cell disease (human)
- ** P01HL-15194-02 0006** Pathophysiology of cardiopulmonary dysfunction - Influence of oxygenation, pH, diphosphoglycerate on carbon dioxide exchange
- P01HL-15194-02 0008** Pathophysiology of cardiopulmonary dysfunction - Kinetics of gas exchange-Linked functions of hemoglobin (human)
- P01HL-15194-02 0009** Pathophysiology of cardiopulmonary dysfunction - Erythrocyte membrane and hemoglobin concentration on oxygen exchange (human)
- R01HL-15613-02** Hemoglobin S and the mechanism of sickling
- P18HL-15999-02 0006** Miami comprehensive sickle cell center - Clinical use of cyanate to treat sickle cell anemia
- P18HL-15999-02 0014** Miami comprehensive sickle cell center - Biochemical and morphological parameters of sickle cells (human)
- ** P18HL-16008-02 0002** Wayne State University comprehensive sickle cell center - Treatment by lowering the levels of red cell DPG (human, monkeys, rats, rabbits)
- ** R01HL-16278-01** Allosteric interactions of human hemoglobin
- ** R01HL-16647-01** Studies on control of sickle cell crisis (human)
- P01HL-16833-01 0001** Hemoglobin and red cell system in hemoglobinopathies - Motility, association and ligand binding in hemoglobin-Hydrogen exchange
- P01HL-16833-01 0003** Hemoglobin and red cell system in hemoglobinopathies - Oxygen binding curves and equilibria
- P01HL-16833-01 0010** Hemoglobin and red cell system in hemoglobinopathies - Sublytic erythrocyte damage following trauma (human)
- ** P01NS-10939-02 0005** Cerebral blood flow and metabolism in stroke and shock - Diphosphoglycerate and hemoglobin-oxygen affinity on cerebral oxygenation
- ** M01RR-00042-14 0066** General clinical research center - Treatment of sickle cell disease by lowering red cell DPG, and with zinc (human)
- TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES**
SEE ALSO DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE
- SEE ALSO PHOSPHOMUTASES, PHOSPHOGLYCEROMUTASE**
SEE ALSO PHOSPHOTRANSFERASES, ATP-D-3-PHOSPHOGLYCERATE 1-PHOSPHOTRANSFERASE
- P01AM-09001-10 0037** Biochemistry and immunology of blood diseases - The effects of cyanate in rabbits
- R01AM-13362-06** Structure and function of dehydrogenases (swine, fish, decapods, E coli)
- ** R01GM-16925-06** Structure and action of multisubunit enzymes (rabbits, E coli)
- M01HB-22920-03** Molecular and cellular studies on sickle cell anemia (human, animals)
- R01HD-08434-01 0004** Metabolic studies of parenteral nutrition in infants - Serum essential fatty acids
- R01NS-10287-19** Metabolism of sorine anal related compounds (rats, swine)
- TRIOSE ALCOHOLS, GLYCERIN**
SEE ALSO LIPIDS, GLYCERIDES
- SEE ALSO LIPIDS, GLYCERYL ETHERS**
SEE ALSO OXIDOREDUCTASES, GLYCEROL DEHYDROGENASE
SEE ALSO PHOSPHOTRANSFERASES, ATP-GLYCEROL PHOSPHOTRANSFERASE
- R01AM-03361-15** Organ survival under experimental conditions (dogs)
- R01AM-05976-13** Carbohydrate and ketone body metabolism (sheep)
- R01AM-07681-09** Adrenergic components of lipid metabolism (rats)
- P01AM-08681-09 0026** Diseases of liver and portal circulation - Tissue enzymes and metabolic pathways (cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AM-09136-15 Studies in cryobiology (rabbits, turtles)
 R01AM-10188-09 Hormonal regulation of metabolism (dogs)
 R01AM-12511-06 Biochemical and fine structural effects of ethanol (human, rats, baboons)
 R01AM-16184-03 Effects of organ storage on renal RNA metabolism (mice)
 R01AM-16217-02 Obesity and the regulation of appetite (monkeys)
 P17AM-17026-01 0043 Vanderbilt University Diabotes-Endocrinology Center - Autonomic modification of substrate and hormonal responses to glucose in man
 R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
 R01CA-15411-01 Cryopreservation of human marrow
 R01CA-15924-01 Treatment of brain edema due to metastatic cancer (dogs)
 ** R01CA-16955-01 Glycerol transport and metabolism in tumor cells (human)
 R01GM-08472-14 Storage of kidney by hypothermia and perfusion (dogs)
 ** R01GM-11983-11 Regulation of glycerol transport and metabolism (bacteria)
 R01GM-15490-07 Electron microscopic studies in pharmacology (rabbits)
 P17GM-15559-07 0040 Clinical pharmacology - Analytical biochemistry in clinical pharmacology
 ** R01GM-20357-01 Glycerol derivatives-Absolute configuration of drugs
 R01HD-03326-07 0003 Effects of early nutrition on growth and development - Animal studies (rats, mice)
 R01HD-03959-06 Carbohydrate metabolism in the neonate (human, swine, rats)
 R01HD-06475-01 0004 Carbohydrate and lipid metabolism during development - Unique aspects of triglyceride synthesis in brown fat (rats)
 R01HD-07799-01 Effect of age on adipose tissue lipolysis (geese)
 P01HL-08203-12 0029 Renal homotransplantation in man - Long term canine kidney preservation
 R01HL-10641-08 Role of platelet lipids in arterial thrombosis (human)
 R01HL-10981-06 Cryopreservation of cardiac muscle and whole hearts (frogs, rats)
 R01HL-12760-05 Surface studies of membrane lipids
 R01HL-13010-05 Properties of the sarcolemmal system (frogs)
 P01HL-14322-03 0008 Interdisciplinary program in biomaterials science - Fundamentals of freezing and thawing processes in human blood elements
 R01HL-15219-02 Sickle cell diseases anesthetics and other drugs (human)
 R01HL-16464-01 Synthesis and study of hypolipidemic agents (mice, rats)
 R01NS-03321-13 Electrolytes in nerve and muscle function (frogs)
 P01NS-09287-04 0012 Baylor center for cerebrovascular research - Cerebral energy metabolism following acute infarction (monkeys, baboons)
 P01NS-09287-04 0018 Baylor center for cerebrovascular research - Neuropathology-Cerebral ischemia and recoverability in cerebral tissue (monkeys)
 ** P01NS-09287-04 0020 Baylor center for cerebrovascular research - Intravenous glycerol for acute cerebral infarction (human)
 R01NS-09514-02 Regional blood flow, acid-base energy metabolism in cerebral edema (cats)
 R01NS-10670-02 Computer simulation of brain metabolism
 ** P01NS-10981-02 0016 Control of activity in excitable tissues - Morphology of glycerol treated muscle fibers (frogs)
 P17NS-11106-02 Stroke acute care research unit (human)
 P17NS-11120-02 Stroke acute care research unit (human)
 M01RR-00134-10 0062 General clinical research center - Effects of insulin, plasma glucose, lactic acid, fatty acid and glycerol (human)
 M01RR-00287-08 0004 General clinical research center - Adrenergic receptor sites in regulation of fat mobilization (human)
 ** M01RR-00350-08 0085 General clinical research center - Medical treatment of acute cerebral infarction (human)
 ** M01RR-00350-08 0102 General clinical research center - Cerebral metabolic effects of glycerol infusion in diabetic and stroke patients
- TRIOSE ALCOHOLS, GLYCEROPHOSPHATES**
 SEE ALSO OXIDOREDUCTASES, GLYCEROPHOSPHATE DEHYDROGENASE
 SEE ALSO PHOSPHOLIPIDS, GLYCEROPHOSPHORIC ESTERS
 R01AM-03108-15 Intestinal absorption of lipids (hamsters, mice, yeast)
 ** R01AM-06011-13 0001 Diet control of lipid metabolism - Partial purification of sn-glycerol-3-phosphate acyltransferase (mice)
 ** R01AM-08823-10 Biosynthetic processes in mitochondria (yeast, ascites tumor, cattle)
 R01AM-09000-10 Hepatic lipid metabolism, control and ethanol effects (rats)
 R01AM-10733-08 Control of phospholipid metabolism (dogs, rats)
 ** R01AM-17076-01 Regulation of adipose lipid metabolism (rats, mice)
- R01CA-12188-03 0001 Mechanisms of enhanced asparaginase therapy - Impairment of host exogenous enzymes removal from blood by LDH-virus (mice)
 R01CA-13113-03 Lipid metabolism in normal and neoplastic tissue (rodents)
 ** NO1DE-42439-00 Mouthrinse and development of plaque in humans
 R01GM-19822-15 Metabolism and function of complex lipids (E coli)
 ** P17HL-14138-04 0002 Center for research on atherosclerosis - Phosphorylated intermediates from stressed animals (pigeons, swine)
 P17HL-14138-04 0005 Center for research on atherosclerosis - Metabolic ultrastructural correlations (pigs)
 P17HL-15061-03 0002 Response of lung to injury - Oxidative metabolism, phospholipid synthesis, and response to toxins (animals)
 R01HL-15585-02 Membranous enzymes-Involvement with phospholipids (E coli, rats)
 R01NS-02967-14 Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast)
 P06RR-00640-03 0001 Nutritionally defined gnotobiotic development and use - Chemically defined water-soluble diet for reproducing germ free mice
- TRIOSE ALCOHOLS, NITROGLYCERIN**
 P02CA-05834-13 0054 Cancer clinical research center - Improving granulocyte collection techniques (human)
 R01HD-05827-03 Drug effects on smooth muscle phosphorylase and C-AMP
 P01HL-06336-14 0007 Cardiovascular program project - Abnormalities of myocardial contractility in coronary heart disease (human)
 ** P01HL-06336-14 0051 Cardiovascular program project - Effects of ouabain, nitroglycerin and postoperative studies (human)
 ** P01HL-06664-13 0018 Cardiopulmonary function in remediable vascular disease - Coronary arterial outflow resistance-Effect of nitroglycerine, papaverine
 R01HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
 R01HL-08311-11 Effects of drugs upon myocardial hypoxia (dogs, turtles)
 R01HL-09711-10 Instantaneous blood flow in ascending aorta (human, dogs)
 R01HL-10107-08 Glutathione-organic nitrate ester reductase (guinea pigs, rats)
 P01HL-11306-08 0092 Cardiovascular research program - Physiology of coronary blood flow (animals)
 R01HL-11771-06 Mechanism of action and metabolism of organic nitrates (human, dogs, rats)
 R01HL-11876-07 Coronary resistance and cardiac metabolism (dogs)
 P01HL-13517-04 0001 Circulatory performance and prediction - Exercise and ECG cardiovascular mechanisms of anaerobic impairment (human)
 P17HL-14164-04 0024 Arteriosclerosis research center - Core laboratories of physiology (monkeys)
 P17HL-14196-04 0009 Lipids, thrombosis and genetics in atherosclerosis - Effect of coronary bypass on ventricular function (human)
 P01HL-14780-02 0019 Mechanisms and treatment of cardiovascular diseases - Effects of cardiac drugs on ventricular dysrhythmia (human)
 R01HL-16134-01 New technique for regional oxygen consumption of heart (dogs, mini-pigs)
 R01HL-16179-01 Action of vascular and other smooth muscle inhibitors
 R01HL-16412-01 Adenosine and the regulation of coronary flow (human, dogs)
 R01HL-17717-01 Velocity of aortic blood flow in myocardial ischemia (human)
 P01NS-11641-01 0005 Peripheral and central auditory mechanisms - Pharmacological and surgical intervention in the cochlea (cats, guinea pigs)
- TRIOSE PHOSPHATE DEHYDROGENASE**
 SEE OXIDOREDUCTASES, GLYCERALDEHYDE PHOSPHATE DEHYDROGENASE
- TRIOSE PHOSPHATE ISOMERASE**
 SEE ISOMERASES, TRIOSE PHOSPHATE ISOMERASE
- TRIOSES**
 ** R01AM-16319-01 Stimulation of gluconeogenesis from some trioses by glucagon (rats)
- TRIOSES, DIHYDROXYACETONE**
 R01AM-16319-01 Stimulation of gluconeogenesis from some trioses by glucagon (rats)
 R01AM-16740-02 Glycerol-3-P dehydrogenase-Role in lipid metabolism (birds, mice)
 R01HL-07449-12 0002 Formation and survival of rod blood cells - Rod cell preservation in artificial media and in alkaline CDP (human, rabbits)
 R01HL-07449-12 0003 Formation and survival of rod blood cells - Rod cell metabolism
 R01HL-16464-01 Synthesis and study of hypolipidemic agents (mice, rats)
 R01NS-03101-14 Phospholipids of the nervous system (animals)
- R01NS-08841-05 Metabolism of phosphatidic acid in brain (guinea pigs, rats)
 P01NS-11766-01 0003 Clinical research center for neuromuscular disease - Muscle mitochondria and muscle disease (human, cats)
- TRIOSES, GLYCERALDEHYDE**
 R01AM-04732-13 Influence of nutrition on enzyme systems (rats)
 R01AM-16319-01 Stimulation of gluconeogenesis from some trioses by glucagon (rats)
 R01GM-19328-03 Burn debridement-Chemical, enzymatic, CO2 laser (human, swine, dogs, rats)
 R01HL-07449-12 0003 Formation and survival of rod blood cells - Rod cell metabolism
- TRIPARANOL**
 SEE CHOLESTANE SERIES, CHOLESTEROL INHIBITORS, TRIPARANOL
- TRIPHENYLMETHANES**
 SEE PHENYLALEXANS, TRIPHENYLMETHANES
- TRIPHOSPHOPYRIDINE NUCLEOTIDE (REDUCED)**
 SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADPH(2)
- TRIPLET STATE**
 SEE ELECTRONIC SPECTRA, TRIPLET STATE
- TRIPLETS**
 SEE FAMILY, TWINS AND MULTIPLETS
- TRISOMY**
 SEE GENETICS, MUTATION, GENOME MUTATION, TRISOMY
- TRITERPENES**
 SEE TERPENES, TRITERPENES
- TRITIUM**
 SEE HYDROGEN, TRITIUM*
- TRITIUM OXIDE**
 SEE WATER, TRITIUM OXIDE
- TRITON A-20, TRITON WR-1339**
 SEE PHYSICAL PROPERTIES, SURFACTANTS, ALEVAIRE
- TROPANES, ATROPINE**
 P15AL-10391-03 Allergy disease center-Rhinitis investigations (human, guinea pigs)
 R01AM-02290-15 Source and significance of gastric juice potassium (human, dogs)
 R01AM-12905-06 Gastric antral and fundic blood flow and secretion (dogs, rabbits)
 R01AM-15258-05 Physiological regulation of small gut secretion (dogs)
 R01AM-15540-03 Esophageal motion in health and disease (human, monkeys, cats, opossum)
 R01AM-16431-02 0003 Gastritis induced by intestinal juices - Duodenal gastric regurgitation (dogs, human)
 R01AM-17439-01 Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats)
 P17AM-17702-01 0011 Hepatitis cirrhosis center - Hepatic disposition of drugs and other xenobiotics (rats)
 R01AM-17771-01 Lung mucociliary clearance and mucous rheology (dogs)
 R01CA-14231-03 Role of metabolism in biliary excretion of drugs (rats)
 R01DA-00130-03 Addictive drugs and metabolism of CNS transmitters (rats)
 R01ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
 P01ES-00454-06 0019 Biological effects of environmental agents - Central inhibition of respiration by organophosphate insecticides (guinea pigs)
 R01EY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
 P11GM-15559-07 0043 Clinical pharmacology - Drug therapy of cardiac damage and arrhythmias (human, cats)
 P01GM-15571-06 0065 Anesthesia research-Program project - Human studies-Premedication and MAC
 P11GM-20852-01 0007 Clinical pharmacokinetics and biopharmaceutics - Effect of disease on bioavailability of drugs-Ileostomy and colectomy (human)
 R01HD-07722-01 Neural regulation of prolactin secretion in the rat
 R01HL-03941-15 Uterine blood flow and changes in pregnancy (sheep)
 P01HL-06285-14 0161 Cardiovascular-respiratory physiology and biochemistry - Electrophysiologic mechanisms of supraventricular tachycardia (human)
 R01HL-07746-11 Computer analysis of cardiovascular responses (human, baboons, dogs)
 P01HL-07762-12 0001 Cardiovascular control by neural and chemical systems - Experimental hemodynamics (dogs)
 R01HL-07939-13 Cardiovascular adrenergic transmission (rats, chick embryo)
 P01HL-11414-07 0020 Thrombosis and atherosclerosis program - Bronchial muscular tone during cardiopulmonary bypass (dogs)
 P01HL-13108-05 0013 Clinical heart transplantation - Vagal tone in the debricate patient

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1HL-13108-05 0022 Clinical heart transplantation - Circadian rhythms in the human transplanted heart
 PO1HL-13108-05 0023 Clinical heart transplantation - His bundle studies in the human transplanted heart
 RO1HL-13443-03 Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits)
 PO1HL-13517-04 0014 Circulatory performance and prediction - Baroreceptor reflexes in man (and animals)
 P17HL-14150-04 0007 Specialized center of research in hypertension - Cardiovascular mechanisms of behavioral hypertension (monkeys)
 P17HL-14201-04 0012 Pulmonary disease research center - Hyper-irritability of the airways in patients with asthma (also dogs)
 RO1HL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
 RO1HL-16656-01 Left ventricular function in exercise (dogs)
 PO1HL-16910-01 0005 Regulation of the peripheral circulation - Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal)
 R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
 R23HL-17226-01 Autonomic control of lung mucociliary transport (dogs)
 RO1MH-02717-16 Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, h)
 RO1MH-03225-15 Neurochemical correlates of behavior (rats, pigeons)
 RO1MH-04151-14 0005 Psychology and physiology of sleep - Sleep patterns of reptiles (crocodiles, turtles, lizards)
 ** RO1MH-17471-05 Drugs on EEG correlates of behavior (primates, cats)
 RO1NS-03321-13 Electrolytes in nerve and muscle function (frogs)
 RO1NS-06820-07 Pharmacology of synaptic transmission in brain (cats)
 RO1NS-06990-08 Influence of preganglionic nerve on ganglion responses (frogs, rabbits)
 PO1NS-09287-04 0010 Baylor center for cerebrovascular research - Neurogenic mechanisms in cerebral blood flow regulation (baboons)
 RO1NS-10928-01 Dopamine and an animal model of Parkinson's disease (rats)
 RO1NS-11019-01 Action of amphetamine on cells of the brain
 RO1NS-11284-01 Drug effects on vestibular neurones (cats)
 ** P07RR-00015-12 0092 Medical school computer facility - Effect of atropine on heart rate
 ** MO1RR-00056-13 0064 General Clinical Research Center - Test for atropine sensitivity (human)
 ** MO1RR-00059-13 0171 General clinical research center - Effect of atropine and vagotomy on gastric mucosa permeability (dogs)
 ** MO1RR-00633-02 0016 General clinical research center - Effect of atropine and pacing in slow heart rates (human)
- TROPANES, BENZTROPINE (MESYLATE)**
 RO1MH-20798-03 Psychotropic drug effect on mammalian chromosomes (monkeys)
- TROPANES, COCAINE**
 ** RO1DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
 RO1DA-00047-05 Self-administration of psychomotor stimulants (monkeys, rats)
 ** RO1DA-00795-01 Cocaine stimulation-Biochemical correlates
 ** RO1DA-00799-01 The electroencephalogram-Cocaine mechanisms
 ** RO1DA-01002-01 Pharmacodynamics of stimulant self-administration (monkeys)
 NO1DA-30060-00 Evaluate new instrument capability
 ** NO1DA-40143-00 Synthesis of labeled cocaine and its metabolites
 ** NO1DA-40144-00 Facts and myths about human cocaine use and abuse
 ** NO1DA-40149-00 Patterns and life styles of human cocaine users
 ** NO1DA-40163-00 Evaluation of cocaine on aggressive behavior (pigeons, mice, monkeys)
 ** NO1DA-40164-00 Acute effects of cocaine on man
 ** NO1DA-40165-00 Acute effects of cocaine on complex human performance
 P11GM-15559-07 0040 Clinical pharmacology - Analytical biochemistry in clinical pharmacology
 P11GM-15956-07 0038 Factors affecting the responses to drugs - Development of analytical procedures
 ** RO1GM-20977-01 Purification of cocaine esterase and atropinesterase (rabbit, human)
 RO1HL-08359-10 Morphopharmacology of vascular adrenergic transmission (rabbits, rats)
 PO1HL-11414-07 0020 Thrombosis and atherosclerosis program - Bronchial muscular tone during cardiopulmonary bypass (dogs)
 R23HL-17204-01 Metabolism of vasoactive hormones by newborn lung (rabbits)
 RO1MH-07658-12 Drugs and reactions to aversive stimuli (monkeys)
- RO1MH-16127-06 0007 Muscle enzyme release in the acute psychoses - Phencyclidine followed by restraint (rats)
 RO1NS-07918-06 Cations and brain glycolytic enzymes (human)
 ** PO1NS-09889-04 0007 Investigation of agents which damage the ear - Cocaine HCL effect on inner ear function (guinea pig)
 RO1NS-10233-06 Regulation of cyclic AMP levels in brain (rats, tissue culture)
- TROPANES, SCOPOLAMINE**
 RO1AA-00302-02 0006 Alcohol, tolerance and memory - Is the amnesic effect of alcohol exerted on cholinergic system (mice)
 ** RO1DA-00027-07 Behavioral dependence on non-narcotic drugs (primates, rats)
 RO1ES-00163-07 Physiological effects of chronic exposure to toxicants (rats, monkeys, mice)
 PO1GM-15571-06 0065 Anesthesia research-Program project - Human studies-Premedication and MAC
 RO1MH-01562-17 Generalized effects of early traumatic experiences (rats, guinea pigs)
 PO1MH-14658-07 Behavioral pharmacology (rats, mice, rabbits, monkeys)
 RO1MH-22340-02 New method for studying drug effects on learning (pigeons)
 RO1MH-23879-02 Drugs and memory (rats, mice)
 RO1MH-23880-02 Behavioral effects of drugs in Macaca mulatta
 ** RO1MH-24329-01 Anticholinergic drugs and emotional behavior (rats)
 RO1MH-25133-02 0001 Steroid hormones in depressive illness - Growth hormone responses to ITT and L-dopa (human)
 RO1MH-25644-01 Psychopharmacological changes following brain damage (mice, rats)
 RO1NS-11138-02 0001 Chemical mechanism in corpus striatum and behavior - Ventral striatal control of DRL behavior (rats)
 MO1RR-00048-13 0026 Clinical center - Effect of neurotransmitters on human memory
- TROPHOBLAST**
 SEE PREGNANCY MEMBRANES, TROPHOBLAST
- TROPHOBLASTOMA**
 SEE PREGNANCY, PLACENTAL NEOPLASMS
- TROPHOTROPIC STATE**
 SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE
- TROPICAL CLIMATE**
 SEE ENVIRONMENT, CLIMATE, TROPICAL
- TROPICAL MEDICINE (GENERAL)**
 RO7AJ-10048-14 0001 International center for medical research - Respiratory virus research and hypothesis of epidemiology (human)
 RO7AJ-10048-14 0006 International center for medical research - Dynamics of filariasis transmission
 RO7AJ-10048-14 0008 International center for medical research - Epidemiology and toxigenicity of enterotoxigenic E coli
 RO7AJ-10051-14 International center for medical research and training (human, animals)
 RO1LM-01539-02 Mortality and the medical treatment of slaves
 MO1RR-00063-12 0001 General clinical research center - Hereditary aspects of tropical sprue (human)
 MO1RR-00063-12 0017 General clinical research center - Etiology of tropical sprue (human)
 MO1RR-00063-12 0035 General clinical research center - Tropical sprue in Puerto Rican children
 MO1RR-00063-12 0056 General clinical research center - Sulfasuxidine therapy in tropical sprue (human)
 ** MO1RR-00063-12 0057 General clinical research center - Long term follow-up of tropical sprue treatment (human)
 MO1RR-00063-12 0058 General clinical research center - Tocopherol levels in normal and tropical pediatric patients
 MO1RR-00063-12 0059 General clinical research center - Subclinical malabsorption and tropical sprue (human)
 MO1RR-00063-12 0060 General clinical research center - Epithelial cell kinetics in jejunal biopsies in tropical sprue
 ** MO1RR-00063-12 0061 General clinical research center - Segmented perfusion bodies in tropical sprue (human)
 ** MO1RR-00063-12 0062 General clinical research center - Effect of antibiotics (metytracycline) in tropical sprue
- TROPICAL MEDICINE AND PARASITOLOGY STUDY SECTION**
 ** RO1AJ-00092-24 Visceral leishmaniasis in experimental animals (rodents)
 ** RO1AJ-00351-22 Biology, genetics, and physiology of disease vectors (mosquitoes)
 ** RO1AJ-00513-21 Biology and biological control of schistosomiasis (snails)
 ** RO1AJ-00884-20 Antigen-antibody reactions in parasite infections (rodents, dogs, human)
 ** RO1AJ-00924-19 Biology of Haemosporididae and Trypanosomidae (birds, insects, plants)
 ** RO1AJ-01042-18 Host-parasite relationships in trichinosis (hamsters)
- ** RO1AJ-01251-18 The transmission of leishmaniasis in Panama (rats)
 ** RO1AJ-01384-15 Chemical basis of parasitism (rats)
 ** RO1AJ-01508-18 Host-parasite relations of intestinal helminths (rats)
 ** RO1AJ-01876-17 Sparganosis and cestode biology (rodents)
 ** RO1AJ-02347-15 Ultrastructure of parasites (mice, guinea pigs)
 RO1AJ-02487-16 Host selection behavior and acology of parasitic acari (rabbits)
 ** RO1AJ-02908-15 Secretions of arthropods (amphibians, birds, reptiles, rodents)
 ** RO1AJ-02984-15 Ecology of arthropod-borne viruses in Panama (human, animals)
 ** RO1AJ-03028-15 Ecology and control of arboviruses (animals)
 RO1AJ-03212-14 Immune responsiveness in mice infected with nematodes
 ** RO1AJ-03235-14 Fungal parasites of mosquitoes
 ** RO1AJ-03515-15 Comparative biochemistry of parasitic helminths (mice)
 ** RO1AJ-04242-13 Important genera of Siphonaptera (fleas)
 ** RO1AJ-04379-13 Mosquitoes of Middle America
 ** RO1AJ-04717-13 Toxoplasmosis-Nature of infection and immune response (human, monkeys)
 ** RO1AJ-04919-12 Occult helminthic infections (human, carnivores)
 ** RO1AJ-05006-11 Nitrogen metabolism in gastropod molluscs
 ** RO1AJ-05182-12 Avian malaria transmission-Lethality of Plasmodium octamerium
 ** RO1AJ-05802-11 Lipid studies of trypanosomes (rats)
 ** RO1AJ-05882-12 Biology of entomogenous fungi
 ** RO1AJ-06153-11 Growth physiology of cestodes (rats)
 ** RO1AJ-06197-11 Micrometeorology and acology of parasitic nematodes (sheep)
 ** RO1AJ-06248-10 North American encephalitis arboviruses (birds)
 ** RO1AJ-06345-09 Biosynthesis and metabolism of trehalose in Diptera
 ** RO1AJ-06587-10 The natural history of mosquitoes
 ** RO1AJ-06633-09 Epidemiology of Echinococcus multilocularis (carnivores, rodents, human)
 ** RO1AJ-06827-09 Metabolism and transformation in hemoflagellates (mice, hamsters)
 ** R22AJ-07054-09 Interaction of larval trematodes within snail vectors
 RO1AJ-07145-10 Biochemistry of nematodes and other invertebrates
 ** RO1AJ-07255-08 Propagative circulative virus transmission by insects
 ** R22AJ-07359-08 Culture of schistosome parasites
 ** RO1AJ-07453-08 Transmission and control of California-group viruses (hamsters)
 ** RO1AJ-07488-08 Development of mammalian coccidia in cultured cells (cattle, sheep)
 ** RO1AJ-07489-08 The transmission of toxoplasmosis (cats)
 ** R22AJ-07724-08 Hypersensitivity and resistance in schistosomiasis (human, animals)
 ** R22AJ-07770-07 Basic studies in lymphatic filariasis (carnivores, rodents, miniature swine)
 ** RO1AJ-07807-08 Genetic studies on the control of arbovirus vectors (rats, mosquitoes)
 ** RO1AJ-07880-07 Interspecific competition among mosquitoes
 ** RO1AJ-08004-07 The nature of Entamoeba histolytica
 ** RO1AJ-08058-07 Ultrastructural localization of enzymes in helminths
 ** R22AJ-08163-07 Immunopathogenesis of schistosomiasis (rodents)
 ** RO1AJ-08240-07 Accessory reproductive secretions (cockroaches)
 ** R22AJ-08261-06 Metabolic pathways of schistosomal larval forms (mice, snails, monkeys)
 ** RO1AJ-08477-05 Alimentary canal of Aedine mosquitoes
 R22AJ-08520-07 Schistosome control by trematode antagonism (human, snails)
 ** RO1AJ-08673-06 Cytology of helminth parasite-host relationships (mice)
 ** RO1AJ-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
 ** RO1AJ-08952-06 Vaccination with irradiated sporozoites of Plasmodia (mice)
 ** RO1AJ-08970-06 Chemotherapy of malaria
 ** RO1AJ-08988-06 Immunological studies of erythrocytic malaria (turkeys)
 ** RO1AJ-08989-05 Membrane physiology in intracellular parasitism (protozoa, rabbits, hamster)
 ** RO1AJ-09102-06 Function of kinetoplast in hemoflagellates
 RO1AJ-09251-05 Amebic (Acanthamoeba) meningencephalitis (human, mice)
 ** RO1AJ-09323-05 Immunogenesis in animal parasites in gnotobiotics (chickens)
 ** R22AJ-09330-05 Reproduction in schistosomes
 ** RO1AJ-09354-05 The biology of culicoides
 ** RO1AJ-09363-04 Arthropod and vertebrate metabolism
 ** RO1AJ-09410-05 Endocrinology of mosquito reproduction and behavior

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AI-09483-05 Intermediary metabolism of helminths (rodents)
- ** R01AI-09503-05 Physiology of insect diapause and development
- ** R01AI-09556-05 Reproduction in ticks and mites
- ** R01AI-09558-05 In vitro cultivation of human and simian malarial parasite
- ** R01AI-09559-05 Ultrastructure studies on mosquitoes and fleas
- ** R01AI-09560-05 Sporozoite of Plasmodium (mosquitoes, rodents)
- ** R01AI-09591-04 Ecology and sensory physiology of ticks (birds)
- ** R01AI-09608-05 Differentiation of neuropathic *Acanthamoeba* (mice)
- ** R01AI-09625-05 Development of parasitic nematodes in vitro (mice, rats)
- ** R01AI-09741-05 Occult filariasis and immunologic responses (dogs, monkeys)
- ** R01AI-09765-05 Mechanism of infection of insect viruses (lepidoptera)
- ** R01AI-09801-04 Snowshoe hare response to arboviral infection
- ** R01AI-09865-04 Biochemistry of the hydatid organisms (rats)
- ** R01AI-09888-04 The primitive trypanosomiasis of Asia (monkeys, humans)
- ** R01AI-09911-03 Proline in fascioliasis (rats, rabbits)
- ** R01AI-09914-04 Symbiotes as models of vector parasitism (arthropods)
- ** R01AI-09972-04 Viral pathogens (mosquitoes)
- ** R01AI-10009-03 Epidemiology of parasite infection (ungulates, dogs, chickens)
- ** R01AI-10010-04 Potential of Coelomomyces for controlling mosquitoes
- ** R01AI-10129-04 Immunobiology of parasitism (rats)
- ** R01AI-10155-03 Immunopathologic complications of protozoan infections (rats)
- ** R01AI-10174-04 Chemistry of vector pheromones (ticks, rabbits)
- ** R01AI-10241-04 Encystment in free-living, invasive amoebas
- ** R01AI-10245-03 Host interactions with membrane transport in trypanosomes (mice, guinea pigs)
- ** R22AI-10250-04 Laboratory models in filariasis (jirds, monkeys)
- ** R22AI-10269-03 Filariæ of man in primates
- ** R22AI-10270-02 Biogenesis of membrane activities in parasite larvae (snails, mice, hamsters)
- ** R22AI-10271-04 Vector-parasite interactions—Analysis in vitro (snails)
- ** R01AI-10274-03 Effects of hormonomimetic compounds on culicids
- R01AI-10360-03 Control of aminosugar metabolism in a pathogen vector (flies)
- ** R22AI-10435-03 Sensory structures of schistosomes
- ** R01AI-10444-03 Bionics of simuliids and their nematode parasites
- ** R01AI-10490-03 Immunity to a parasitic nematode (mice)
- ** R22AI-10512-03 Chemotherapy and metabolism of filariids (dogs, rodents)
- ** R01AI-10520-03 Deep vascular schizogony in malaria (monkeys)
- ** R01AI-10527-04 Metabolism and hormones in arthropods
- ** R01AI-10529-03 Identification of host blood in arthropods
- ** R01AI-10627-04 Functional antigens of *Trichinella spiralis* (rats)
- ** R01AI-10640-03 Physiology of intracellular parasitism (hamsters, monkeys)
- ** R01AI-10645-03 High voltage electron microscopy of malaria
- ** R01AI-10707-03 Reproductive physiology of *Aedes*
- ** R01AI-10708-03 Thermally induced sterility in *Aedes aegypti*
- ** R22AI-10803-03 Immunity and antigen characterization of filariasis (hamsters)
- ** R01AI-10822-03 Cuticle formation in parasitic nematodes
- ** R01AI-10842-03 Immunology of larval tapeworm infection
- ** R22AI-10849-03 Patients with chyluria due to filariasis
- ** R22AI-10868-03 Immunology of the cercarial hüllenreaktion (monkeys, rabbits)
- ** R01AI-10882-03 *Leptomonas* and *Blastocystidia*—Models for chemotherapy
- ** R01AI-10898-03 Formation of granulomata by a parasite (mice)
- ** R01AI-10943-03 Studies on leishmaniasis in Ethiopia
- ** R01AI-10954-03 Electrophysiological study of chemoreceptors (mosquitoes)
- ** R01AI-10986-02 Sex pheromones in disease-transmitting ticks (rats, dogs)
- ** R01AI-10987-02 Sex pheromones in disease-transmitting ticks (rats, dogs)
- ** R01AI-10988-02 Variation in mating behavior (flies)
- ** R22AI-11107-02 In vitro development of larval stages of schistosomes (snails)
- R01AI-11123-02 *Nosema algerae* as a biological control of mosquitoes
- ** R22AI-11147-01 Larval schistosomes—Characterization and development (snails, hamsters)
- ** R01AI-11150-02 Characterization of matrone, an insect sterility
- ** R01AI-11192-02 Infection of mosquitoes—Arboviruses
- ** R01AI-11201-02 Mosquito-host interrelationships (birds, rabbits, rodents)
- ** R01AI-11254-01 Folate metabolism in malarial parasites (rats, ducks)
- ** R01AI-11269-01 Control of cockroach development
- ** R01AI-11277-02 Cultivation of *Pneumocystis carinii* from cancer patients (rats, rabbits)
- ** R22AI-11289-02 Immunologic responses to *Schistosoma mansoni* (mice, rabbits)
- ** R01AI-11292-01 Fleas of North America—Ecology and systematics
- ** R22AI-11338-02 Susceptibility and resistance of mosquitoes to dengue
- ** R01AI-11361-02 Physiologic basis of immunity in trichinosis (rats, guinea pigs)
- ** R01AI-11369-02 Metabolic and immunophysiological studies on *Trypanosoma lewisi* (rats)
- ** R22AI-11373-02 Analysis of molluscan and SE Asian schistosomiasis
- ** R01AI-11383-02 Neotropical bats and encephalitis arboviruses
- R01AI-11386-01 Immunological aspects of rodent malaria (mice, rats)
- ** R01AI-11440-02 Function of isocitrate lyase in parasitic helminths
- ** R01AI-11482-01 Ectoparasites of the Papuan subregion
- R01AI-11486-01 Growth of mammalian plasmodia in liver cell cultures (mice, rats, mosquitoes)
- ** R01AI-11508-02 Ultrastructure of rickettsiae in lice and fleas (mice, chick embryo, rabbits)
- ** R01AI-11536-02 Influence of antibodies of amebic disease (guinea pigs)
- ** R22AI-11540-02 The forest cycles of dengue in Malaysia (mice, monkeys, mosquitoes)
- ** R01AI-11606-02 Immunodiagnosis of trichinosis (swine)
- ** R01AI-11616-01 Abdominal angiostrongylosis (rodents, molluscs)
- ** R01AI-11622-01 The function of mitochondria in trypanosomes
- ** R22AI-11645-01 Malacological studies in Louisiana and Texas
- R01AI-11664-01 Reproductive physiology of mosquitoes and ticks
- ** R01AI-11673-01 Effect of drugs on *Plasmodium berghei* (mice)
- ** R01AI-11675-01 Biosystematics of immature ceratopogonidae
- ** R22AI-11725-01 Genetic control of filariasis vectors (mosquitoes)
- ** R01AI-11732-01 Trehalose metabolism in the parasitic nematode *Ascaris*
- ** R01AI-11740-01 Oviposition attractants of *Aedes triseriatus*
- ** R01AI-11779-01 Mast cells and IgE in allergy and helminthiasis (human)
- R01AI-11852-02 Arrested development of larval hookworms in the host
- ** R01AI-11871-01 Interactions of *Brugia malayi* and microorganisms (cats)
- ** R01AI-11889-01 Microclimate in ecology of arthropod-borne diseases
- ** R01AI-11909-01 Control of reproduction in the mosquito
- ** R01AI-11921-01 Mosquito flight paths in relation to the environment
- ** R01AI-11942-01 Biochemical cytology of *Trichomonas vaginalis*
- ** R01AI-11963-01 Phospholipase levels in experimental trichinellosis (mice)
- R01AI-12045-01 Functional morphology of parasitic helminth surfaces
- ** R01AI-12057-01 Insect immunity—A model system for cellular activity
- ** R01AI-12058-01 Cytopathology induced by *Naegleria* (mice)
- ** R22AI-12060-01 Antimetabolite targets in schistosomes and filariæ
- ** R22AI-12065-01 Schistosome immunity mechanisms (baboons)
- ** R22AI-12078-01 Arbovirus replication in mosquitoes cell culture
- ** R22AI-12095-01 Immunobiology of *Brugia malayi* (monkeys)
- ** R01AI-12146-01 Effects of immunity on intracellular parasitism (mice)
- ** R22AI-12204-01 In vivo microscopy of schistosomiasis of organs (mice, rats, rabbits)
- ** R22AI-12409-01 Biocontrol of schistosomes by use of microsporidians
- ** R01AI-12471-01 Thermally induced sterility in *Aedes aegypti*
- ** R01AI-15664-03 Ectoparasitism—Immunological phenomena (dogs)
- ** R01CA-13208-03 Bladder cancer in Schistosomiasis haematobia (monkeys, hamsters, snails)
- R01CA-16972-07 Schistosomiasis—I Biology of *Schistosoma haematobium* (primates, molluscs)
- ** R01ES-00650-02 Biochemistry of insect cuticle
- ** R01EY-00919-03 Pathogenesis of ocular toxocariasis (mice, rabbits)
- ** R01EY-01150-01 Vitamin A and photoreception in insect visual systems
- ** R01EY-01204-01 Ocular toxoplasmosis (human, rabbit)
- ** R01GM-07557-14 Physiology of insect photoperiodism
- ** R01GM-21224-01 Endosymbionts as required cytoplasmic components
- ** R01HD-01522-10 Metals and nucleic acids in mosquito growth and aging
- ** R01HD-06136-03 Basic studies in reproduction (helminths)
- ** R01HD-06195-03 Developmental analysis
- ** R01HD-06514-03 Developmental changes in Diptera lipopigments
- ** R01HD-07033-02 Effect of aging on chemoreceptor sensilla (flies)
- ** R01HD-07336-01 Lepidopteran reproductive neuroendocrinology
- ** R01HD-07951-01 Biochemistry of development and regulation (silkworms)
- R01HM-02024-01 Chigger mites of the world—*Leptotrombidium* complex
- ** R01HM-02209-01 Publication of an atlas on the pathology of tropical diseases
- ** R01NS-09161-18 Biochemistry of neural development (insects)
- ** R01NS-11393-01 Neurological lesions during African trypanosomiasis (voles)
- ** R01RR-00938-01 Diagnosis and control of mammalian encephalitozoonosis (rabbits)

TROPICOLLAGEN

SEE ALBUMINOIDS, COLLAGEN, TROPICOLLAGEN

TROPOLONES

SEE CYCLOHEPTANES, TROPOLONES

TROPOMYOSIN

SEE MUSCLE PROTEINS, TROPOMYOSIN

TROPONIN

SEE MUSCLE PROTEINS, TROPONIN

TRYPAN BLUE

SEE AZO COMPOUNDS, TRYPAN BLUE

TRYPANOSOMA

SEE PROTOZOA, MASTIGOPHORA, TRYPANOSOMA

TRYPANOSOMA LEWISI

SEE PROTOZOA, MASTIGOPHORA, TRYPANOSOMA LEWISI

TRYPANOSOMIASIS

SEE PARASITIC DISEASES, PROTOZOAL INFECTIONS, TRYPANOSOMIASIS

TRYPSIN

SEE PROTEASES AND PEPTIDASES, TRYPSIN

TRYPSIN INHIBITORS

SEE ENZYME INHIBITORS, TRYPSIN INHIBITORS

TRYPSINOGEN

SEE PROTEASES AND PEPTIDASES, TRYPSINOGEN

TRYPSINOGEN DEFICIENCY DISEASE

SEE PANCREAS DISORDERS, TRYPSINOGEN DEFICIENCY DISEASE

TRYPTAMINE

SEE BENZOPYRROLES, TRYPTAMINE

TRYPTAMINE ANALOGS

SEE BENZOPYRROLES, TRYPTAMINE ANALOGS

TRYPTOPHAN

SEE CYCLIC AMINO ACIDS, TRYPTOPHAN

TRYPTOPHAN ANALOGS

SEE CYCLIC AMINO ACIDS, TRYPTOPHAN ANALOGS

TRYPTOPHAN DECARBOXYLASE

SEE DECARBOXYLASES, AROMATIC-L-AMINO ACID DECARBOXYLASE

TRYPTOPHAN 2,3-DIOXYGENASE

SEE OXYGENASES, TRYPTOPHAN 2,3-DIOXYGENASE

TRYPTOPHAN 5-HYDROXYLASE

SEE OXYGENASES, TRYPTOPHAN 5-MONOXYGENASE

TRYPTOPHAN HYDROXYLASE INHIBITORS

SEE ENZYME INHIBITORS, TRYPTOPHAN HYDROXYLASE INHIBITORS

TRYPTOPHAN 5-MONOXYGENASE

SEE OXYGENASES, TRYPTOPHAN 5-MONOXYGENASE

TRYPTOPHAN OXYGENASE

SEE OXYGENASES, TRYPTOPHAN 2,3-DIOXYGENASE

TRYPTOPHAN PYRROLASE

SEE OXYGENASES, TRYPTOPHAN 2,3-DIOXYGENASE

TRYPTOPHAN SYNTHETASE

SEE DEHYDRATASES, TRYPTOPHAN SYNTHETASE

(cont'd)

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- TRYPTOPHANASE**
SEE CARBON-CARBON LYASES, TRYPTOPHANASE
- TSUTSUGAMUSHI FEVER**
SEE RICKETTSIAL DISEASES, TYPHUS, SCRUB TYPHUS
- TUBAL LIGATION (FALLOPIAN TUBES)**
SEE REPRODUCTIVE SYSTEM SURGERY, FEMALE, TUBE OPERATIONS
- TUBE FEEDING**
SEE NUTRITION, DIET SCHEDULE AND ROUTE, TUBE FEEDING
- TUBECTOMY (FALLOPIAN TUBE)**
SEE REPRODUCTIVE SYSTEM SURGERY, FEMALE, TUBE OPERATIONS
- TUBERCIDIN**
SEE ANTIBIOTICS, TUBERCIDIN
- TUBERCULIN TESTS**
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, TUBERCULIN TESTS*
- TUBERCULIN TYPE HYPERSENSITIVITY**
SEE HYPERSENSITIVITY, DELAYED HYPERSENSITIVITY
- TUBERCULOSIS**
SEE ACTINOMYCETALES INFECTIONS, TUBERCULOSIS
- TUBERCULOSIS VACCINES**
SEE VACCINES, BACTERIAL, TUBERCULOSIS VACCINES
- TUBOCURARINE**
SEE QUINOLINES, BISBENZYLISOQUINOLINES, TUBOCURARINE
- TUBULAR ENZYME REACTORS (ARTIFICIAL LIVER)**
SEE BLOOD TREATMENT, CASCADE DIALYSIS
- TULAREMIA**
SEE BACTERIAL DISEASES, TULAREMIA
- TUMOR ANGIOGENESIS FACTOR**
SEE NEOPLASMS VASCULAR SUPPLY, TUMOR ANGIOGENESIS FACTOR
- TUMOR ANTIBODIES**
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES
- TUMOR ANTIGENS**
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIGENS
- TUMOR ANTIGENS, SYNTHETIC**
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIGENS, SYNTHETIC
- TUMOR CELLS**
SEE NEOPLASTIC CELLS
- TUMOR VIRUSES**
SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)
- TUMORS**
SEE NEOPLASMS
- TUNGSTEN**
SEE METALS, HEAVY METALS, TUNGSTEN
- TUNICATES**
SEE ANIMALS, CHORDATES, TUNICATES*
- TURKEY**
SEE GEOGRAPHICAL SITES, MIDDLE EAST, TURKEY
- TURKEYS**
SEE BIRDS, TURKEYS*
- TURNER'S SYNDROME**
SEE GENETIC DISORDERS, TURNER'S SYNDROME
- TURPENTINE (OIL)**
SEE TERPENES, TURPENTINE (OIL)
- TURTLES**
SEE REPTILES, TURTLES
- TVSS**
SEE EYE DISORDERS, AIDS FOR THE BLIND, SUBSTITUTE SIGHT
- TWINS AND MULTIPLETS**
SEE FAMILY, TWINS AND MULTIPLETS
- TYPANOPLASTY**
SEE EAR SURGERY, TYMPANOPLASTY
- TYMPANUM**
SEE EAR, MIDDLE EAR, TYMPANUM
- TYPEWRITERS, REACTIVE**
SEE INFORMATION DISPLAY, REACTIVE TYPEWRITERS
- TYPHOID FEVER**
SEE BACTERIAL DISEASES, ENTEROBACTERACEAE, TYPHOID
- TYPHUS**
SEE RICKETTSIAL DISEASES, TYPHUS
- TYPING**
SEE BLOOD GROUPS
SEE CELL TYPES
SEE TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING
- TYPING, MICROBIAL (GENERAL)**
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
- TYPING, PHAGE**
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, PHAGE TYPING
- TYPING SERA FOR HISTOCOMPATIBILITY TYPING**
SEE TISSUE COMPATIBILITY-TRANSPLANT, HISTOCOMPATIBILITY TYPING
- TYPING TAXONOMICAL**
SEE BIOLOGY, SYSTEMATIC
- TYPING TAXONOMICAL, MICROBIAL (GENERAL)**
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
- TYRAMINE**
SEE PHENOLIC AMINES, TYRAMINE
- M-TYRAMINE**
SEE PHENOLIC AMINES, M-TYRAMINE
- TYROCIDIN**
SEE ANTIBIOTICS, TYROCIDIN
- TYROPANOIC ACID**
SEE RADIOGRAPHY, CONTRAST MEDIA, TRIODOCINAMATE*
- TYROSINASE**
SEE OXYGENASES, MONOPHENOL MONOOXYGENASE
- TYROSINE**
SEE CYCLIC AMINO ACIDS, TYROSINE
- TYROSINE AMINOTRANSFERASE**
SEE AMINOTRANSFERASES, TYROSINE-ALPHA-KETOGLUTARATE TRANSAMINASE
- TYROSINE ANALOGS**
SEE CYCLIC AMINO ACIDS, TYROSINE ANALOGS
- TYROSINE 3-HYDROXYLASE**
SEE OXYGENASES, TYROSINE 3-MONOOXYGENASE
- TYROSINE IODINASE (IODIDE PEROXIDASE)**
SEE PEROXIDASES, IODIDE PEROXIDASE
- TYROSINE-ALPHA-KETOGLUTARATE TRANSAMINASE**
SEE AMINOTRANSFERASES, TYROSINE-ALPHA-KETOGLUTARATE TRANSAMINASE
- TYROSINE 3-MONOOXYGENASE**
SEE OXYGENASES, TYROSINE 3-MONOOXYGENASE
- TYROSINE PEPTIDES**
SEE PEPTIDES, HOMOPEPTIDES, TYROSYL
- TYROSINEMIA (HEREDITARY)**
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, TYROSINEMIA
- TYROSINOSIS (TYROSYLURIA) (IDIOPATHIC)**
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, TYROSINOSIS (IDIOPATHIC)
- TYROSINOSIS, ATYPICAL**
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, TYROSINEMIA
- UAR**
SEE GEOGRAPHICAL SITES, ARAB COUNTRIES, EGYPT
- UBIQUINONES**
SEE QUINONES, UBIQUINONES
- UDDER**
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
- UDP GLUCOSE DEHYDROGENASE**
SEE OXIDOREDUCTASES, URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE
- UDP GLUCOSE:ALPHA-1,4-GLUCAN ALPHA-4-GLUCOSYLTRANSFERASE**
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE:ALPHA-1,4-GLUCAN ALPHA-4-GLUCOSYLTRANSFERASE
- UDP GLUCURONOSYLTRANSFERASE**
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES
- UDPG**
SEE SUGAR NUCLEOTIDES, UDPG
- ULCER**
SEE DISEASES, PATHOLOGIC PROCESSES, ULCER (GENERAL)
SEE EYE DISORDERS, CORNEAL ULCER
SEE GASTROINTESTINAL DISORDERS, PEPTIC ULCER
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS
- SEE SKIN ULCERS
- ULCER INHIBITORS, GASTROINTESTINAL (GENERAL)**
SEE GASTROINTESTINAL AGENTS, ANTIULCER DRUGS (GENERAL)
- ULCERATIVE COLITIS**
SEE GASTROINTESTINAL DISORDERS, ENTERITIS, ULCERATIVE COLITIS
- ULCEROGENIC TUMOR OF PANCREAS SYNDROME**
SEE PANCREATIC ISLETS NEOPLASMS, ZOLLINGER-ELLISON SYNDROME
- ULTIMOBANCHIAL BODY**
SEE THYROID GLAND, ULTIMOBANCHIAL BODY
- ULTRACENTRIFUGATION**
SEE PHYSICAL SEPARATION, ULTRACENTRIFUGATION*
- ULTRAFILTRATION**
SEE PHYSICAL SEPARATION, ULTRAFILTRATION*
- ULTRASONIC (ECHO) ANGIOCARDIOGRAPHY**
SEE CARDIOVASCULAR VISUALIZATION, ANGIOCARDIOULTRASONOGRAPHY*
- ULTRASONIC ECHOENCEPHALOGRAPHY**
SEE BRAIN VISUALIZATION, ULTRASONIC ECHOENCEPHALOGRAPHY*
- ULTRASONIC ECHOCULOGRAPHY**
SEE EYE EXAMINATIONS, ULTRASONIC ECHOCULOGRAPHY*
- ULTRASONIC FLOWMETER**
SEE CARDIOVASCULAR METHODS DIAGNOSTIC, BLOOD FLOWMETERS, ULTRASONIC*
- SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS, ULTRASONIC*
- ULTRASONIC GAS FLOWMETERS, RESPIRATORY**
SEE RESPIRATORY EXAMINATIONS, RESPIRATORY AIRFLOW MEASUREMENTS, ULTRASONIC*
- ULTRASONIC MICROSCOPY**
SEE OPTICS, MICROSCOPY, ULTRASONIC*
- ULTRASONIC SPECTROMETRY**
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, ULTRASONIC*
- ULTRASONIC THERAPY**
SEE THERAPY, ULTRASONIC THERAPY
- ULTRASONICS**
SEE PHYSICAL PROPERTIES, SOUND, ULTRASONICS
- ULTRASONOGRAPHY**
SEE PHYSICAL PROPERTIES, SOUND, ULTRASONOGRAPHY
- ULTRASOUND ADVERSE EFFECTS**
SEE PHYSICAL PROPERTIES, SOUND, ULTRASOUND ADVERSE EFFECTS
- ULTRAVIOLET RAYS**
SEE RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS
- ULTRAVIOLET SPECTROMETRY**
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, ULTRAVIOLET*
- UMBILICAL CORD**
SEE PREGNANCY, UMBILICAL CORD
- UMBILICAL HERNIA**
SEE BODY CAVITY DISORDERS, UMBILICAL HERNIA
- UNCINARIASIS**
SEE PARASITIC DISEASES, HELMINTH INFECTIONS, ANCYLOSTOMIASIS
- UNCONSCIOUS (PSYCHOANALYTIC THEORY)**
SEE PSYCHOANALYTIC THEORY, UNCONSCIOUS
- UNCONSCIOUSNESS**
SEE NEUROLOGIC MANIFESTATIONS, UNCONSCIOUSNESS
- UNGULATES**
SEE MAMMALS, UNGULATES*
- UNITED STATES**
SEE GEOGRAPHICAL SITES, UNITED STATES
- UNIVERSITIES**
SEE EDUCATION, UNIVERSITIES
- UNIVERSITY STUDENTS**
SEE EDUCATION, UNIVERSITY STUDENTS
- UNNATURAL ENZYMES**
SEE ENZYMES, UNNATURAL ENZYMES
- UNNATURAL NUCLEIC ACIDS**
SEE NUCLEIC ACIDS, UNNATURAL NUCLEIC ACIDS
- UNNATURAL NUCLEOTIDES**
SEE NUCLEOTIDES, UNNATURAL NUCLEOTIDES

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UNNATURAL PEPTIDES

SEE PEPTIDES, UNNATURAL PEPTIDES

UNSATURATED COMPOUNDS

SEE CHEMICAL BONDS, UNSATURATED COMPOUNDS (GENERAL)

UNSATURATED FATS

SEE LIPIDS, FATS, UNSATURATED FATS

UNSATURATED FATTY ACIDS

SEE FATTY ACIDS, UNSATURATED FATTY ACIDS

UNWANTED CHILDREN

SEE FAMILY, UNWANTED CHILDREN

URACIL

SEE PYRIMIDINES, URACIL

URACIL ANALOGS

SEE PYRIMIDINES ANALOGS, URACIL ANALOGS

URACIL MUSTARDS

SEE PYRIMIDINE MUSTARDS, URACIL MUSTARDS

URACIL-4-CARBOXYLIC ACID

SEE PYRIMIDINES, OROTIC ACID

URACIL NUCLEOTIDES

SEE PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES

URANIUM

SEE RADIOISOTOPES, ACTINIDE SERIES, URANIUM

URATE OXIDASE

SEE OXIDOREDUCTASES, URATE OXIDASE

URBAN AREAS

SEE SOCIOENVIRONMENT, URBAN AREAS

URBAN PLANTINGS AND GREEN AREAS

SEE SOCIOENVIRONMENT, URBAN PLANTINGS AND GREEN AREAS

URBAN POVERTY AREAS

SEE SOCIOENVIRONMENT, URBAN POVERTY AREAS

UREA

SEE AMIDES, UREA

UREA CYCLE

SEE AMINO ACIDS, UREA CYCLE

UREA CYCLE INBORN ERRORS

SEE METABOLIC DISORDERS INBORN, UREA CYCLE

UREASE

SEE AMIDOHYDROLASES, UREASE

URECHOLINE

SEE CHOLINE, BETHANCOL CHLORIDE

UREMIA

SEE KIDNEY DISORDERS, UREMIA

URETER

SEE URINARY TRACT, URETER

URETER DISORDERS

SEE URINARY TRACT DISORDERS, URETER DISORDERS

URETER OBSTRUCTION

SEE URINARY TRACT DISORDERS, URETER OBSTRUCTION

URETER RESTORATION

SEE URINARY TRACT SURGERY, URETER RESTORATION

URETEROILEOSTOMY

SEE URINARY TRACT SURGERY, URINARY DIVERSION

URETEROSIGMOIDOSTOMY

SEE URINARY TRACT SURGERY, URINARY DIVERSION

URETEROVESICAL JUNCTION DISORDERS

SEE URINARY TRACT DISORDERS, URETEROVESICAL JUNCTION DISORDERS

URETEROVESICAL JUNCTION OBSTRUCTION

SEE URINARY TRACT DISORDERS, URETEROVESICAL JUNCTION OBSTRUCTION

URETHAN

SEE CARBAMATES, URETHAN

URETHANE POLYMERS

SEE PLASTICS, POLYURETHANES

URETHRA

SEE URINARY TRACT, URETHRA

URETHRAL DISORDERS

SEE URINARY TRACT DISORDERS, URETHRAL DISORDERS

URETHRAL STRICTURE

SEE URINARY TRACT DISORDERS, URETHRAL STRICTURE

URETHRITIS

SEE URINARY TRACT DISORDERS, URETHRITIS

URIC ACID

SEE PURINES, URIC ACID

URICOSURIC AGENTS

SEE PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT DRUGS

URIDINE

SEE PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, URIDINE

URIDINE DIPHOSPHATE

SEE PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE DIPHOSPHATE

URIDINE DIPHOSPHATE GALACTOSE-4-EPIMERASE

SEE ISOMERASES, UDP GLUCOSE 4-EPIMERASE

URIDINE DIPHOSPHATE GLUCOSE

SEE SUGAR NUCLEOTIDES, UDPG

URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE

SEE OXIDOREDUCTASES, URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE

URIDINE DIPHOSPHATE GLUCURONIC ACID

SEE SUGAR NUCLEOTIDES, URIDINE DIPHOSPHATE GLUCURONIC ACID

URIDINE MONOPHOSPHATE

SEE PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE MONOPHOSPHATE

URIDINE MONOPHOSPHATE CYCLIC

SEE PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE MONOPHOSPHATE CYCLIC

URIDINE:ORTHOPHOSPHATE RIBOSYLTRANSFERASE

SEE GLYCOSYLTRANSFERASES, URIDINE:ORTHOPHOSPHATE RIBOSYLTRANSFERASE

URIDINE PHOSPHORYLASE

SEE GLYCOSYLTRANSFERASES, URIDINE:ORTHOPHOSPHATE RIBOSYLTRANSFERASE

URIDINE TRIPHOSPHATE

SEE PYRIMIDINE NUCLEOTIDES, URACIL NUCLEOTIDES, URIDINE TRIPHOSPHATE

URINALYSIS (CHEMICAL ANALYSIS)

SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS

URINARY ACIDITY

SEE URINE ACIDITY

URINARY ANTIINFECTION AGENTS

SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIINFECTION URINARY

URINARY BLADDER

SEE URINARY TRACT, URINARY BLADDER

URINARY BLADDER DISORDERS

SEE URINARY TRACT DISORDERS, URINARY BLADDER DISORDERS

URINARY BLADDER NEOPLASMS

SEE URINARY TRACT NEOPLASMS, URINARY BLADDER NEOPLASMS

URINARY BLADDER NEUROGENIC

SEE URINARY TRACT DISORDERS, URINARY BLADDER NEUROGENIC

URINARY BLADDER SPHINCTER DISORDERS

SEE URINARY TRACT DISORDERS, URINARY BLADDER SPHINCTER DISORDERS

URINARY CALCULI

SEE URINARY TRACT DISORDERS, URINARY CALCULI

URINARY CATHETERIZATION

** R01A1-11950-01 Control of hospital-acquired urinary tract infections (human)

** P01GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)

URINARY DIVERSION

SEE URINARY TRACT SURGERY, URINARY DIVERSION

URINARY INCONTINENCE

SEE URINATION DISORDERS, URINARY INCONTINENCE

URINARY PIGMENTS

SEE ALSO BILE PIGMENTS, UROBILINS

** R01AM-12466-10 Porphyrin hemo and bile pigment metabolism (human, hens)

URINARY STIMULATORS, ELECTRONIC

SEE URINARY TRACT PROSTHESIS, URINARY STIMULATORS ELECTRONIC

URINARY TRACT

SEE ALSO KIDNEY

SEE ALSO REPRODUCTIVE SYSTEM MALE, PROSTATE

** N01AM-42228-00 Research needs in nephrology and urology

P02CA-08832-08 0126 An integrated study of advanced malignant diseases - Results of radiation of genito-urinary tract in leukemia

** R26CA-15551-01 Virology and immunology of cancer of the human urothelium

P01GM-16496-06 0050 Clinical pharmacology- Pharmacokinetics - Biliary back pressure and excretion of drugs in bile (rats)

R01HD-00420-14 0001 Androgen production and function during development - Androgens of mammalian fetal testes (rats, rabbits, chick embryo)

P01HL-13738-03 0003 Cardiac assist devices and artificial hearts - Pathophysiological effects of the artificial heart (calves)

URINARY TRACT, URETER

SEE ALSO URINARY TRACT DISORDERS, URETER DISORDERS

** R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)

P01CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)

URINARY TRACT, URETHRA

R01AI-09366-05 Urinary infections-Portal of entry (human)

M R01AM-10045-08 Urothelial microcontour, function and defenses

** R01AM-10045-08 0001 Urothelial microcontour, function and defenses - Basic scanning electron microscopic techniques (human, dogs, rabbits)

** R01AM-10045-08 0002 Urothelial microcontour, function and defenses - Normal urethral and vesical uroepithelial microcontour (dogs)

** R01AM-10045-08 0003 Urothelial microcontour, function and defenses - Effect of stretch on urothelial microcontour (dogs)

** R01AM-10045-08 0004 Urothelial microcontour, function and defenses - Microcontour in infected urothelium (dogs)

** R01AM-10045-08 0005 Urothelial microcontour, function and defenses - Bacterial washout and effect on urinary diversion (dogs)

** R01AM-10045-08 0006 Urothelial microcontour, function and defenses - Effect of chemicals and hormones (rats)

** R01AM-10045-08 0007 Urothelial microcontour, function and defenses - Antigen-antibody reactions in female urethra (guinea pigs, dogs)

P01CA-08748-09 5919 Research program of Sloan-Kettering Institute - Urethral reconstruction-surgical procedure (dogs)

P01CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)

R01HD-04592-06 Biochemistry of the male genital tract (rodents)

URINARY TRACT, URINARY BLADDER

SEE ALSO URINARY TRACT DISORDERS, URINARY BLADDER DISORDERS

SEE ALSO URINARY TRACT NEOPLASMS, URINARY BLADDER NEOPLASMS

SEE ALSO URINARY TRACT SURGERY, CYSTECTOMY

SEE ALSO URINARY TRACT SURGERY, URINARY DIVERSION

R01AM-03858-14 Control of water and solute movement across cell

** P01AM-09650-10 0001 Hormonal and ionic control of metabolism - Steroid hormone action (toad bladder)

P01AM-09650-10 0009 Hormonal and ionic control of metabolism - Induction of hormone receptors (frogs, toads)

M R01AM-10045-08 Urothelial microcontour, function and defenses

R01AM-10045-08 0001 Urothelial microcontour, function and defenses - Basic scanning electron microscopic techniques (human, dogs, rabbits)

R01AM-10045-08 0002 Urothelial microcontour, function and defenses - Normal urethral and vesical uroepithelial microcontour (dogs)

R01AM-10045-08 0003 Urothelial microcontour, function and defenses - Effect of stretch on urothelial microcontour (dogs)

R01AM-10045-08 0007 Urothelial microcontour, function and defenses - Antigen-antibody reactions in female urethra (guinea pigs, dogs)

R01AM-13953-04 Correlation of ion transport with metabolism (turtles)

** R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)

** R01AM-15175-05 Water and electrolyte transport in the bladder (toads)

R01AM-15972-03 Excretory and osmoregulatory mechanics (reptiles, mammals, fish, amphibians)

R01AM-16245-03 Urinary bladder antibacterial defense mechanisms (rats, human, rabbits)

R01AM-16327-02 Microtubules and filaments in action of vasopressin (frogs)

R01AM-16539-02 Regulation of phosphate transport in toad bladder

R01AM-16769-02 Control and action of cyclic AMP (toads, rats, dogs)

R01AM-16928-01 Renal transport mechanisms

R01AM-17344-04 Renal ion transport-Fixed-charge membrane model (toads)

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** P01AM-17433-01 0024 Cardiovascular, metabolic aspects of membrane transport - Functional morphology of the urinary bladder (Amphiuma)
- ** R01AM-17568-01 Epithelial organization of urinary acidification (turtles)
- R01CA-11946-05 Carcinogenicity and metabolism of 5-nitrofurans (rats, mice, hamsters)
- ** P01CA-12376-03 0007 Environmental carcinogenesis - Papiomas of the bladder (human)
- R01CA-14387-02 Organ cultures and carcinogens (human, animals)
- R01GM-14772-07 Water transport across epithelial membranes (rabbits)
- ** P11GM-15956-07 0066 Factors affecting the responses to drugs - In vivo kinetics of drug absorption from the bladder of rabbits
- ** P01GM-16593-06 0017 Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the toad bladder
- R01GM-18267-04 Biosynthesis of specialized cell surfaces (rabbits)
- R01HL-10042-09 Steroidal regulation of active sodium transport (toads)
- P01HL-11414-07 0021 Thrombosis and atherosclerosis program - Selectivity of ion transport (human, dogs)
- P01HL-13979-04 0012 Cardio-pulmonary-renal program - Alteration of cell membrane structure by vasopressin (toads)
- ** R01NS-07923-07 Nervous control of urinary bladder and large bowel (cats)
- ** P01NS-10299-03 0017 Biophysical and biochemical studies of cellular membranes - Isolation of urinary bladder membrane subunits
- ** M01NS-32307-01 Urinary bladder evacuation (mammals)
- ** M01NS-32308-01 Electrical stimulation of spinal cord (mammals)
- ** P07RR-00679-02 0014 Biotechnology resource in electronprobe analysis - Barium sulfate and lanthanum in the intercellular spaces of the toad bladder

URINARY TRACT DISORDERS

SEE ALSO KIDNEY DISORDERS

SEE ALSO REPRODUCTIVE SYSTEM DISORDERS MALE, PROSTATE DISORDERS

SEE ALSO URINARY TRACT INFECTIONS

SEE ALSO URINARY TRACT NEOPLASMS

SEE ALSO URINATION DISORDERS

- P02AM-13083-06 0001 Organ transplantation - Clinical studies of renal transplantation
- P01GM-18674-03 0004 Diagnostic radiology research and training center - Quantitative evaluation of criteria in radiologic examinations (human)
- P18HL-15161-03 0007 Comprehensive sickle cell disease center - Kidney in children with sickle hemoglobin
- ** M01RR-00036-14 0118 General clinical research center - Familial incidence of congenital urinary tract disorders
- ** M01RR-00036-14 0173 General clinical research center - Urological rehabilitation (human)
- ** M01RR-00037-14 0014 General clinical research center - Urinary tract physiology altered by congenital defects (human)
- ** M01RR-00047-14 0102 General clinical research center - Renal dysfunction in congenital malformation of kidney or urinary tract (human)

URINARY TRACT DISORDERS, URETER DISORDERS

- R01AM-14681-04 The role of the ureter in experimental pyelonephritis (monkeys)
- ** R01AM-16021-03 Biophysical principles of peristaltic phenomena (rats, opossum)
- ** R01AM-16047-03 Ureteral pathophysiology (dogs)
- P01GM-14231-09 0025 Natural history of heart, cancer, stroke in a population - Carcinoma of kidney and ureter

URINARY TRACT DISORDERS, URETER OBSTRUCTION

- R01AM-16047-03 Ureteral pathophysiology (dogs)
- P01AM-17433-01 0009 Cardiovascular, metabolic aspects of membrane transport - Renal hemodynamics in renal disorders (rats)

URINARY TRACT DISORDERS, URETEROVESICAL JUNCTION DISORDERS

- R01AM-14681-04 The role of the ureter in experimental pyelonephritis (monkeys)
- R01AM-14945-04 Protective role of urinary immunoglobulins (human, rats, bacteria)
- R01AM-15279-03 Urinary particle scanning in urinary tract disease (dogs, human)

URINARY TRACT DISORDERS, URETEROVESICAL JUNCTION OBSTRUCTION

- M01RR-00322-08 0030 General clinical research center - Diagnosis and treatment in pediatric urinary tract infections (human)

URINARY TRACT DISORDERS, URETHRAL DISORDERS

- ** P01AI-12192-01 0005 Venereal disease research - Nongonococcal urethritis (human)

URINARY TRACT DISORDERS, URETHRAL STRICTURE

- ** M01RR-00714-02 0017 General clinical research center - Beta-aminopropionitrile fumarate in therapy of urethral strictures (human)

URINARY TRACT DISORDERS, URETHRITIS

SEE ALSO DISEASES, SYNDROMES NOT LISTED ELSEWHERE, REITER'S SYNDROME

- R01AI-11830-01 Anti-gonococcal response of normal and resistant men
- P01AI-12192-01 0001 Venereal disease research - Clinical pathology and pathogenesis of gonorrhea
- P01AI-12192-01 0004 Venereal disease research - Neisseria and Chlamydia genital infection model (nonhuman primates)
- ** P01AI-12192-01 0005 Venereal disease research - Nongonococcal urethritis (human)
- P01AI-12192-01 0006 Venereal disease research - CMV, HSV, chlamydia, cohort study of infection and disease
- P01AI-12381-01 0002 Center for study of sexually transmitted diseases - Blood and genital secretion levels of antimicrobial agents in therapy (human)
- ** P01AI-12381-01 0017 Center for study of sexually transmitted diseases - Clinical urethritis and sexually transmissible microorganisms (human)

URINARY TRACT DISORDERS, URINARY

BLADDER DISORDERS

SEE ALSO URINARY TRACT DISORDERS, URETEROVESICAL JUNCTION DISORDERS

SEE ALSO URINARY TRACT DISORDERS, URINARY BLADDER NEUROGENIC

SEE ALSO URINARY TRACT DISORDERS, URINARY BLADDER SPHINCTER DISORDERS

SEE ALSO URINARY TRACT SURGERY, CYSTECTOMY

SEE ALSO URINARY TRACT SURGERY, URINARY DIVERSION

- R26CA-15803-01 Automation of bladder cancer cytology by TICAS (human)
- ** M01RR-00037-14 0134 General clinical research center - Rare collagenopathy in child with bladder extrophy
- M01RR-00322-08 0030 General clinical research center - Diagnosis and treatment in pediatric urinary tract infections (human)

URINARY TRACT DISORDERS, URINARY

BLADDER NEUROGENIC

- ** R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- R01AM-16312-01 Methods of managing the neurogenic bladder (mammals)
- ** P01HL-13737-04 0020 Assisted circulation - Electrostimulation for evacuation of the neurogenic bladder (human, primates)
- ** M01NS-32307-01 Urinary bladder evacuation (mammals)
- ** M01NS-32308-01 Electrical stimulation of spinal cord (mammals)
- R02NU-00343-05 School of nursing research development grant
- ** M01RR-00030-13 0067 General clinical research center - Spinal cord stimulation with implanted electrodes (human)
- ** M01RR-00036-14 0171 General clinical research center - Physiologic diagnosis and therapy of neurogenic bladder (human)
- ** M01RR-00052-13 0024 General clinical research center for children - Neurogenic bladder

URINARY TRACT DISORDERS, URINARY

BLADDER SPHINCTER DISORDERS

- R01AM-16021-03 Biophysical principles of peristaltic phenomena (rats, opossum)
- M01RR-00322-08 0030 General clinical research center - Diagnosis and treatment in pediatric urinary tract infections (human)

URINARY TRACT DISORDERS, URINARY CALCULI

SEE ALSO KIDNEY DISORDERS, KIDNEY CALCULI

SEE ALSO KIDNEY DISORDERS, NEPHROCALCINOSIS

SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, CYSTINOSIS

SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

SEE ALSO METABOLIC DISORDERS INBORN, CYSTINURIA

SEE ALSO METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME

SEE ALSO METABOLIC DISORDERS (INBORN), HYPEROXALURIA AND OXALOSIS

SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, GOUT

SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, OROTICACIDURIA

- ** R01AM-04247-14 Calcium metabolism and skeletal physiology (rats)
- ** P02AM-04501-13 0022 Metabolic disease research center - Parathyroid hormones, calcium and phosphorus in renal diseases (human, rats)
- ** R01AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)
- ** P01AM-11793-07 0007 Kidney and electrolyte metabolism - Sugar ingestion, calcium-stone formers (human)
- ** R01AM-13023-06 A physical approach to stone formation
- ** R22AM-13066-06 Bladder stone disease in Thailand (human)
- ** R01AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)
- P01AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- R01AM-16059-16 Pathogenesis of human alimentary mucosal disease (human, rats)
- ** R01AM-16835-01 Effect of diet on urinary stone formation in animals (rats, monkeys)
- ** R01AM-17717-01 Epitaxial relationships in urolithiasis
- P01GM-21056-01 0003 Interfacial behavior of biomaterials - Electrokinetics
- ** P01GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
- P01HL-10098-10 0030 Primates in cardiovascular research - Nutrition and endocrinology
- ** M01RR-00055-13 0071 General clinical research center - Hormonal influences on formation and prevention of urinary stones (human)
- ** M01RR-00058-13 0038 General clinical research center - Effect low calcium diet in hyperparathyroidism and urinary tract stones (human)
- ** M01RR-00585-03 0017 General clinical research center - Acquired hyperoxaluria with small bowel resection (human)
- ** M01RR-00633-02 0067 General clinical research center - Effect of disodium etridronate in chronic stone formers (human)
- ** M01RR-00714-02 0010 General clinical research center - Urology-Homeostasis of serum, calcium and phosphorus

URINARY TRACT DISORDERS, URINARY TRACT OBSTRUCTION

SEE ALSO KIDNEY DISORDERS, HYDRONEPHROSIS

SEE ALSO URINARY TRACT DISORDERS, URETER

OBSTRUCTION

SEE ALSO URINARY TRACT DISORDERS, URETEROVESICAL

JUNCTION OBSTRUCTION

SEE ALSO URINARY TRACT DISORDERS, URETHRAL

STRUCTURE

SEE ALSO URINARY TRACT DISORDERS, URINARY CALCULI

SEE ALSO URINE, ANURIA

- R01AM-14681-04 The role of the ureter in experimental pyelonephritis (monkeys)

- P01CA-08748-09 5913 Research program of Sloan-Kettering Institute - Uterosigmoidostomy-New procedure in dogs
- R01HL-08251-11 0003 Pathophysiology of vascular injury - Glomerular and vascular permeability (mice, rats)
- ** M01RR-00047-14 0101 General clinical research center - Renal function in urinary tract obstruction (human)

URINARY TRACT DISORDERS CHEMOTHERAPY

SEE ALSO KIDNEY DISORDERS CHEMOTHERAPY

SEE ALSO URINARY TRACT PHARMACOLOGY

- R01AI-11950-01 Control of hospital-acquired urinary tract infections (human)
- P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- P02AM-05630-12 0005 Metabolic unit for the Department of Medicine - Metabolic consequences of uremia (human)
- P01AM-06741-12 0004 Dialysis in treatment of chronic uremia - Peritoneal dialysis (human)
- R01AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)
- R01AM-14490-04 Cyclophosphamide in nephrotic syndrome of childhood
- R01AM-15541-03 Glomerular permeability in renal disease (human, rabbits)
- P01AM-16281-02 0011 Uremia-pathogenesis, effects, and possible prevention - Potassium control system (rats)
- R01HL-09752-10 Cooperative study of renal disease and hypertension (human)
- ** P01HL-11662-07 0006 Regulation of fluid, electrolyte and acid-base balance - Patient studies
- R01HL-14362-03 Acute renal failure (dogs, cats, rats, guinea pigs)
- M01RR-00034-14 0069 General clinical research center - Effect of gentamicin in urinary tract infections (human)
- M01RR-00035-14 0095 General clinical research centers - Antibiotic concentration in kidney at nephrectomy (human)
- M01RR-00035-14 0118 General clinical research centers - Immunosuppressive therapy in nephrotic syndrome (human)
- M01RR-00035-14 0120 General clinical research centers - Tetracycline metabolism (human)
- M01RR-00036-14 0088 General clinical research center - Glomerular permeability to PVP in nephrotic syndrome, glomerulonephritis (human)
- M01RR-00036-14 0139 General clinical research center - Effect of diuretics in renal disease (human)
- M01RR-00043-14 0062 General clinical research center - Role of cyclic AMP in water excretion (human)
- M01RR-00050-13 0050 Wilson's disease - Anticoagulation in control of chronic nephritis (human)
- M01RR-00051-13 0079 General clinical research center - Effect of HGH on renal function in renal failure (human)
- M01RR-00058-13 0013 General clinical research center - Cyclophosphamide therapy in SLE nephritis (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- M01RR-00058-13 0023 General clinical research center - Steroid therapy of idiopathic nephrotic syndrome in adults (human)
- M01RR-00070-12 0033 General clinical research center - Treatment of nephritis of systemic lupus erythematosus (human)
- M01RR-00287-08 0016 General clinical research center - Adrenal steroid and cyclophosphamide in lupus erythematosus nephritis (human)
- M01RR-00322-08 0030 General clinical research center - Diagnosis and treatment in pediatric urinary tract infections (human)
- M01RR-00400-06 0012 General clinical research center - adult - Prednisone-Imuran therapy for nephrotic syndrome (human)
- M01RR-00585-03 0020 General clinical research center - Cyclophosphamide treatment for idiopathic membranous glomerulonephropathy (human)
- M01RR-00633-02 0042 General clinical research center - Ampicillin versus pivampicillin in urinary tract infections (human)
- M01RR-00633-02 0059 General clinical research center - Effect of furosemide in postoperative oliguria (human)
- M01RR-00633-02 0067 General clinical research center - Effect of disodium etridronate in chronic stone formers (human)
- M01RR-00645-03 0031 Clinical research center - Circulatory, hormonal interrelationships in cardiac and nephrotic edema (human)
- M01RR-00714-02 0017 General clinical research center - Beta-aminopropionitrile fumarate in therapy of urethral strictures (human)

URINARY TRACT EXAMINATIONS*

SEE ALSO KIDNEY EXAMINATIONS*
SEE ALSO URINARY TRACT VISUALIZATION*

- R26CA-15803-01 Automation of bladder cancer cytology by TCAS (human)
- M01RR-00036-14 0171 General clinical research center - Physiologic diagnosis and therapy of neurogenic bladder (human)

URINARY TRACT INFECTIONS

SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS,
ANTINFECTIVE URINARY

SEE ALSO COMMUNICABLE DISEASES, VENEREAL DISEASE

- R01AI-10381-04 Pathogenesis of pyelonephritis (E coli, rats, mice)
- ** R01AI-10587-02 Epidemiology and history of urinary tract infections
- ** R01AI-10668-03 Investigation of the prostatic antibacterial factor (human, dogs, rats)
- R01AI-11199-02 Bacterial interference in gonorrhea (human)
- ** R01AI-11805-01 Biology of T-mycoplasmas-Potential human pathogens
- ** R01AI-11950-01 Control of hospital-acquired urinary tract infections (human)
- P01AI-12192-01 0004 Venereal disease research - Neisseria and Chlamydia genital infection model (nonhuman primates)
- ** R01AM-10045-08 0004 Urothelial microcontour, function and defenses - Microcontour in infected urothelium (dogs)
- ** R01AM-10045-08 0005 Urothelial microcontour, function and defenses - Bacterial washout and effect on urinary diversion (dogs)
- ** R01AM-10045-08 0007 Urothelial microcontour, function and defenses - Antigen-antibody reactions in female urethra (guinea pigs, dogs)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** R01AM-11870-06 Antibiotic levels in renal tissue and urine (human, dogs)
- P01AM-13084-10 0006 Clinical heterotransplantation of tissues and organs - Study of nephrology (human)
- ** R01AM-14934-04 Excitation-contraction coupling in bladder and ureter (dogs, rabbits)
- ** R01AM-14945-04 Protective role of urinary immunoglobulins (human, rats, bacteria)
- ** R01AM-15279-03 Urinary particle scanning in urinary tract disease (dogs, human)
- R01AM-16047-03 Ureteral pathophysiology (dogs)
- ** R01AM-16245-03 Urinary bladder antibacterial defense mechanisms (rats, human, rabbits)
- P02CA-08480-09 0015 Childhood cancer research center - Ecology of microbial flora in leukemia patients
- R01CA-16972-07 Schistosomiasis-I Biology of Schistosoma haematobium (primates, mollusks)
- R01HL-12967-05 Experimental pyelonephritis (rats)
- ** M01RR-00034-14 0069 General clinical research center - Effect of gentamicin in urinary tract infections (human)
- ** M01RR-00076-12 0051 General clinical research center - Combinations of penicillins for gram-negative urinary tract infection (human)
- ** M01RR-00084-12 0034 General clinical research center - children - Adrenal cortical function-Salt-losing adrenogenital syndrome
- M01RR-00128-10 0037 General clinical research center for children - Metabolic studies of I125 and I131 labeled proteins

- ** M01RR-00322-08 0030 General clinical research center - Diagnosis and treatment in pediatric urinary tract infections (human)
- ** M01RR-00633-02 0042 General clinical research center - Ampicillin versus pivampicillin in urinary tract infections (human)
- ** M01RR-00714-02 0011 General clinical research center - Antigens common to human and bacterial cells-Urinary and surgical infections

URINARY TRACT INFECTIONS, BACTERIURIA

- ** R01AI-03638-14 Bacteriology and serology of pyelonephritis (human)
- ** R01AI-06311-09 Epidemiology of E coli infections (human, rats)
- ** R01AI-09366-05 Urinary infections-Portal of entry (human)
- ** R01AI-10388-16 Host determinants in urinary tract infection (humans, rabbits)
- M R01AM-10045-08 Urothelial microcontour, function and defenses
- ** R01AM-14681-04 The role of the ureter in experimental pyelonephritis (monkeys)
- ** P01AM-14877-14 0026 Kidney function in infants and children - Asymptomatic bacteriuria in children with nonrenal disease
- R01HD-01805-09 Host-parasite relationships in pregnancy (human, rodents)
- M P01HD-03693-06 Pathogenesis of chronic infections
- ** P01HD-03693-06 0001 Pathogenesis of chronic infections - Pathogenesis of pyelonephritis (human, rats)
- P01HD-03693-06 0002 Pathogenesis of chronic infections - Maternal health and epidemiology (human)
- P01HD-03693-06 0003 Pathogenesis of chronic infections - Blood pressure in children and origins of essential hypertension (human)
- P01HD-03693-06 0006 Pathogenesis of chronic infections - Genital mycoplasmas
- ** R01HL-09752-10 Cooperative study of renal disease and hypertension (human)
- P18HL-15161-03 0007 Comprehensive sickle cell disease center - Kidney in children with sickle hemoglobin
- ** M01RR-00076-12 0053 General clinical research center - Bacteriuria in precipitating pyelonephritis and premature delivery (human)

URINARY TRACT INFECTIONS, PYURIA

- P01AI-12192-01 0005 Venereal disease research - Nongonococcal urethritis (human)

URINARY TRACT NEOPLASMS

SEE ALSO KIDNEY NEOPLASMS
SEE ALSO REPRODUCTIVE SYSTEM NEOPLASMS MALE,
PROSTATE NEOPLASMS

- R01AM-15986-03 0007 Cirrhosis, ascites and the hepatic circulation - Humoral similarities of endocrine tumor elaborations (human)
- P02CA-06551-11 0015 Cancer clinical research - Chemotherapy (human)
- P01CA-12376-03 0005 Environmental carcinogenesis - Rare cancer sites (human)
- R10CA-13237-03 Southeastern cancer study group
- ** P02CA-13696-02 0058 Clinical cancer research center - Neoplasia-Related project in progress (human)
- ** P02CA-15145-01 0024 Cancer center support grant - Hormone dependent urogenital tumors in rodents
- ** R26CA-15972-01 Tissue culture of mammalian urothelium (human)
- R01OH-00320-07 Relation of smoking to neoplasia in asbestos workers

URINARY TRACT NEOPLASMS, URINARY BLADDER NEOPLASMS

SEE ALSO BLADDER-PROSTATE CANCER ADVISORY COMMITTEE

- R10CA-02599-20 Acute leukemia group B (human)
- ** R01CA-05449-13 Mechanism of bladder cancer (dogs, rats)
- R01CA-05654-14 Evaluation of supervoltage therapy (human)
- P02CA-05831-13 0042 Cancer clinical research - Genetic variation in enzymes which modify chemical carcinogens
- ** P02CA-05838-13 0009 Clinical radiotherapy cancer research center - Preoperative radiotherapy in bladder cancer
- ** P02CA-06294-13 0006 Radiotherapy research - Genito-urinary tract (human)
- P01CA-06373-12 Epidemiologic studies of cancer (human)
- ** P02CA-06519-12 0051 Radiation therapy and biology research program - Treatment of carcinoma of bladder
- P02CA-08341-09 0035 Clinical pharmacology and cancer chemotherapy - Adriamycin
- ** P01CA-08748-09 5920 Research program of Sloan-Kettering Institute - Bladder tumors-Influence of dietary factors (rats)
- P01CA-08748-09 7802 Research program of Sloan-Kettering Institute - Cell-associated immunity to cancer (human, mice)
- ** R01CA-08857-09 Urinary bladder carcinogenesis in man and animal (rabbits)
- ** R01CA-10017-08 Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs)
- R01CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- R01CA-11606-05 American Joint Committee
- P01CA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
- R10CA-12252-03 Radiation therapy oncology group
- R10CA-12255-02 Radiation therapy oncology group
- R10CA-12258-03 Radiation therapy oncology group
- R10CA-12261-03 Radiation therapy oncology group
- R10CA-12262-03 Radiation therapy oncology group
- P01CA-12376-03 0007 Environmental carcinogenesis - Papillomas of the bladder (human)
- P01CA-12441-04 0004 Fast neutron beam radiotherapy - Clinical radiation oncology (human)
- ** R10CA-12443-04 Veterans administration cooperative urological research groups
- P01CA-12800-03 0019 Immune functions and cancer - Immunology of human tumors
- ** R01CA-12974-03 Amine N-oxidation in bladder cancer (dog)
- ** P01CA-13095-03 0001 Virology, immunobiology and biochemistry of renal cancer - Viruses and neoplasms of the urinary tract (human)
- ** R01CA-13208-03 Bladder cancer in Schistosomiasis haematobia (monkeys, hamsters, snails)
- R01CA-13302-02 Vitamin B6, steroids and energy in cancer patients
- ** P01CA-13343-02 0006 Environmental cancer - Causation and prevention of bladder cancer (dogs, mice, rats, monkeys)
- P01CA-13343-02 0007 Environmental cancer - Inhibition of cancer by protease inhibitors and steroid hormones (rodents)
- R10CA-13613-02 Eastern cooperative oncology group
- P02CA-13696-02 0044 Clinical cancer research center - Evaluation of cancer diagnosis by an ultrasonic imaging system (human)
- ** R26CA-13859-03 Administration of the National Bladder Cancer Project
- ** P02CA-13943-02 0068 Clinical pharmacology immunology cancer research center - Relation of tryptophan metabolite excretion to bladder tumor (human)
- ** P02CA-13943-02 0069 Clinical pharmacology immunology cancer research center - Response genito-urinary tumors (human, hamsters, rats)
- ** R26CA-14134-02 Automation of urinary cytology for cancer detection (human)
- ** R26CA-14135-02 Immunology of bladder tumors (human, rats)
- ** R26CA-14136-02 Cytopathology of urinary bladder carcinoma (human)
- ** R26CA-14137-03 Bladder cancer in meniscus gradient tissue culture (human)
- ** R26CA-14241-02 Artificial sweeteners in bladder cancer (human)
- ** R01CA-14447-02 Cell membrane interrelationships in human cancer (and mice)
- ** R26CA-14523-02 Urinary bladder carcinogenesis by bracken fern (cattle, rats, mice)
- ** R26CA-14524-02 Metabolic factors involved in bladder carcinogenesis (monkeys, rabbits, dogs, re
- ** R26CA-14556-02 Human bladder tumors and papovaviruses
- ** R26CA-14648-01 Epithelial atypia and cancer of the urinary bladder (human)
- ** R26CA-14649-02 Role of indole in urinary bladder carcinogenesis (hamsters)
- ** R26CA-14926-02 Ultrastructure of normal and neoplastic urothelium (human)
- ** R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
- ** R26CA-15033-02 Hamster model for human bladder cancer
- R01CA-15082-01 Metabolism of potential carcinogens
- ** P02CA-15145-01 0020 Cancer center support grant - Prostate-Neoplastic and normal growth (human, dog)
- ** P02CA-15145-01 0037 Cancer center support grant - Role of indole in urinary bladder carcinogenesis (hamsters)
- P01CA-15192-01 Cancer Center Support Grant Specialized
- R10CA-15241-02 Central oncology group
- ** R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- M R26CA-15315-02 Control of bladder cancer
- ** R26CA-15315-02 0001 Control of bladder cancer - Method for environmental carcinogen detection (dogs, monkeys, rodents, bacteria)
- ** R26CA-15315-02 0002 Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- ** R26CA-15315-02 0003 Control of bladder cancer - Prevention of bladder cancer by promotion inhibitors (rats)
- ** R26CA-15412-02 Diagnosis and treatment of bladder cancer in mice
- ** R26CA-15477-02 Establishment of cell cultures of human tumor urothelium
- ** R26CA-15479-02 LDH isozymes and chromosomes in bladder carcinoma (rats, human)
- ** R26CA-15490-01 Central cytology and pathology laboratory (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R26CA-15491-01** National Bladder Cancer Collaborative Group A
- R26CA-15492-01** Evaluation and management of bladder carcinoma
- R26CA-15497-01** Statistical Center for National Bladder Cancer Project
- R26CA-15553-01** Tumor-specific immunity in bladder cancer (human)
- R26CA-15640-01** Urinary bladder tumorigenesis (dogs, rabbits, human)
- R26CA-15803-01** Automation of bladder cancer cytology by TICAS (human)
- R26CA-15934-01** National Bladder Cancer Collaborative Group A
- R26CA-15937-01** National Bladder Cancer Collaborative Group A
- R26CA-15944-01** Evaluation of bladder cancer patients management
- R26CA-15945-01** Studies on experimental bladder tumors (rats)
- R26CA-15950-01** Case-control bladder tumor morbidity study (human)
- P01CA-16127-01 0020** Cancer Research and Treatment Center Program - Pi meson radiotherapy of bladder carcinoma (human)
- R26CA-16378-01** Bladder cancer transfer in schistosomiasis haematobia (monkeys)
- R26CA-16765-01** Biochemical mechanisms in experimental bladder cancer (rats, rabbits)
- R26CA-16768-01** International bladder cancer study- Planning phase (human)
- R26CA-16769-01** CEA in urogenital carcinomas (human)
- R26CA-16880-01** Bladder cancer-immunology, immunotherapy, and virology (mammals, nonhuman)
- R26CA-16886-01** National bladder cancer collaborative group A (human)
- R26CA-16899-01** Evaluation of management of patients with bladder carcinoma
- N01CB-33208-03** Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis
- N01CB-43854-00** Isolation and tissue culture of human tumor cells
- N01CB-43860-00** Development of immunodiagnostic tests for cancer
- N01CB-43861-00** Procurement of tumor and serum from cancer patients
- N01CP-33238-02** Interactions between diet and chemical carcinogenesis (rats)
- N01CP-33314-01** Role of herpes simplex virus in human malignancies
- P10ES-00002-12 0001** Occupational and environmental health - Environmental carcinogenesis (human)
- P10ES-00260-12 0007** Research in the environmental health sciences - Biochemistry of chemical carcinogens, promoting agents and mutagens
- P01GM-14231-09 0026** Natural history of heart, cancer, stroke in a population - Carcinoma of urinary bladder
- URINARY TRACT OBSTRUCTION**
SEE URINARY TRACT DISORDERS, URINARY TRACT OBSTRUCTION
- URINARY TRACT PHARMACOLOGY**
SEE ALSO KIDNEY PHARMACOLOGY
SEE ALSO URINARY TRACT DISORDERS CHEMOTHERAPY
- R01AM-02306-16** Ionic interactions in electrolyte metabolism (toads)
- R01AM-08695-10** Renal micropuncture studies of acute renal failure (rats)
- R01AM-10045-08 0006** Urothelial microcontour, function and defenses - Effect of chemicals and hormones (rats)
- P01AM-15512-03 0005** University of Wisconsin program project in nephrology - Renal pharmacology (dogs)
- P01AM-15512-03 0006** University of Wisconsin program project in nephrology - Renal pharmacology (human)
- P01AM-16392-02 0003** Immunologic mechanisms in renal disease in childhood - Electron microscopy of glomerular permeability (rats, rabbits)
- R01AM-17717-01** Epitaxial relationships in urolithiasis
- P11GM-15559-07 0039** Clinical pharmacology - Pharmacokinetics and biopharmaceutics (human)
- P11GM-15559-07 0041** Clinical pharmacology - Pediatric clinical pharmacology
- P01GM-16593-06 0017** Tissue partitions and toxicity of contrast media (rabbits, dogs) - Effects of contrast media on sodium transport in the toad bladder
- R01HL-10595-09** Biochemical aspects of renal electrolyte transport (dogs)
- R01HL-14358-03** Mechanism of angiotensin action on target tissues (dogs)
- R01HL-15378-02** Ultrastructure of antihypertensive prostaglandins (s)
- M01RR-00109-11 0023** General clinical research center - Effect of urinary ammonia excretion on potassium excretion (human)
- M01RR-00109-11 0049** General clinical research center - Effect of potassium on urine acidification (human)
- URINARY TRACT PROSTHESIS**
SEE ALSO KIDNEY PROSTHESIS, ARTIFICIAL KIDNEY
- R01AM-16312-01** Methods of managing the neurogenic bladder (mammals)

- ** P01CA-08748-09 5919** Research program of Sloan-Kettering Institute - Urethral reconstruction-surgical procedure (dogs)
- ** P01GM-21056-01 0006** Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
- ** N01HV-32915-04** Materials development and testing of flocking materials
- URINARY TRACT PROSTHESIS, URINARY STIMULATORS ELECTRONIC**
- R01AM-16312-01** Methods of managing the neurogenic bladder (mammals)
- ** P01HL-13737-04 0020** Assisted circulation - Electrostimulation for evacuation of the neurogenic bladder (human, primates)
- ** N01NS-32307-01** Urinary bladder evacuation (mammals)
- ** N01NS-32308-01** Electrical stimulation of spinal cord (mammals)

URINARY TRACT SURGERY

- SEE ALSO KIDNEY SURGERY
SEE ALSO REPRODUCTIVE SYSTEM SURGERY MALE, PROSTATE SURGERY
SEE ALSO URINARY TRACT PROSTHESIS
SEE ALSO URINARY TRACT TRANSPLANTATION
- P02AM-13083-06 0103** Organ transplantation - Clinical studies of complications in renal transplantation
- ** P01AM-13084-10 0005** Clinical homotransplantation of tissues and organs - Investigation of urology
- ** P01CA-08748-09 5919** Research program of Sloan-Kettering Institute - Urethral reconstruction-surgical procedure (dogs)
- R26CA-15492-01** Evaluation and management of bladder carcinoma
- M01RR-00322-08 0030** General clinical research center - Diagnosis and treatment in pediatric urinary tract infections (human)

URINARY TRACT SURGERY, CYSTECTOMY

- ** P02CA-05838-13 0009** Clinical radiotherapy cancer research center - Preoperative radiotherapy in bladder cancer
- P02CA-06294-13 0006** Radiotherapy research - Gonitourinary tract (human)
- ** R26CA-15491-01** National Bladder Cancer Collaborative Group A
- R26CA-15933-01** Primary urinary bladder neoplasms (human)
- ** R26CA-15934-01** National Bladder Cancer Collaborative Group A
- ** R26CA-15944-01** Evaluation of bladder cancer patients management
- R26CA-16886-01** National bladder cancer collaborative group A (human)

URINARY TRACT SURGERY, URETER RESTORATION

- ** P01CA-08748-09 5926** Research program of Sloan-Kettering Institute - Ureteral reimplantation (dogs)

URINARY TRACT SURGERY, URINARY DIVERSION

- ** R01AM-10045-08 0005** Urothelial microcontour, function and defenses - Bacterial washout and effect on urinary diversion (dogs)
- ** P02CA-05826-13 0064** Clinical cancer research center - Aldosterone in potassium wastage following urinary tract diversion
- ** P01CA-08748-09 5913** Research program of Sloan-Kettering Institute - Uterosigmoidostomy-New procedure in dogs
- ** P01CA-08748-09 5915** Research program of Sloan-Kettering Institute - Ureteral substitution with plastics (dogs)

URINARY TRACT TRANSPLANTATION

- SEE ALSO KIDNEY TRANSPLANTATION
- P01GM-17940-04 0003** Integrated electronics for medical applications - Telemetry (dogs)

URINARY TRACT VISUALIZATION*

- SEE ALSO KIDNEY VISUALIZATION*
- P01GM-18674-03 0002** Diagnostic radiology research and training center - Intrarenal hemodynamics in acute oliguric renal failure (human)

URINARY TRACT VISUALIZATION, UROGRAPHY (GENERAL)*

- ** P01GM-18674-03 0004** Diagnostic radiology research and training center - Quantitative evaluation of criteria in radiologic examinations (human)

URINATION DISORDERS

- SEE ALSO URINARY TRACT DISORDERS, URINARY TRACT OBSTRUCTION
SEE ALSO URINARY TRACT PROSTHESIS, URINARY STIMULATORS ELECTRONIC
- N01NS-32307-01** Urinary bladder evacuation (mammals)
- N01NS-32308-01** Electrical stimulation of spinal cord (mammals)
- R02NIJ-00369-04** Action program in nursing research facilitation

URINATION DISORDERS, URINARY INCONTINENCE

- SEE ALSO URINARY TRACT DISORDERS, URINARY BLADDER NEUROGENIC
- R01GM-21178-01** System design study of fluid energy transfer devices (human)

URINE*

- SEE ALSO CARDIOVASCULAR DISORDERS, HEMORRHAGE, HEMATURIA
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES
SEE ALSO PROTEINURIA
SEE ALSO PURINES-PYRIMIDINES METABOLISM ERRORS, OROTICACIDURIA
- R01AM-01240-18** Protein binding and biliary excretion of steroids (human, animals)
- P01AM-03564-15 0013** Mesenchymal tissues and their diseases - Collagenous structures destruction in rheumatoid arthritis
- R01AM-07564-12** Characterization of human pituitary gonadotropins
- R01AM-09558-10** Quainidino compounds in health and disease (rats)
- R01AM-11754-07** Metabolites and conjugates in bile and urine (human, animals)
- R01AM-11870-06** Antibiotic levels in renal tissue and urine (human, dogs)
- R22AM-12095-06** Effect of heat and hard work on nitrogen requirement (human)
- R22AM-13066-06** Bladder stone disease in Thailand (human)
- ** P01AM-13173-10 0006** Malignant and genetic alterations in human cells - Urinary peptides (human, swine)
- R01AM-14225-04** Hydrogen ion regulation by the mammalian nephron (human, dogs)
- R01AM-14622-05** Urinary screening assay to supplement renal biopsy (human)
- R01AM-15464-02** Calcium isotopic composition in metabolic disorders
- R01AM-16897-02** Biochemical bases of branched-chain ketoaciduria (human, rats)
- ** R01AM-17542-01** Structure and immunology of urinary glycoprotein (human, rabbits)
- ** R01AM-17568-01** Epithelial organization of urinary acidification (turtles)
- R01AM-17570-01** The metabolism of steroids (human, bacteria)
- R01AM-17634-01** Endocrine aspects of peptide hormone metabolism (rats, primates)
- R01CA-02071-21** Estrogen metabolism and action in pregnancy and cancer (human, and rats)
- R01CA-05449-13** Mechanism of bladder cancer (dogs, rats)
- P02CA-05831-13 0019** Cancer clinical research - Early detection of familial breast cancer
- P01CA-08748-09 6203** Research program of Sloan-Kettering Institute - Analysis of plasma and urine in Hodgkin's disease
- R01CA-10995-06** Peptidase activity and cellular CAMP metabolism in cancer (rats)
- R01CA-12043-03** Biophysical and clinical studies of melanoma (human, mice)
- R01CA-12109-04 0002** Trophoblastic disease - Therapy for invasive mole and choriocarcinoma
- R01CA-12109-04 0004** Trophoblastic disease - Chemotherapy of trophoblastic disease
- R26CA-14927-02** Environmental bladder carcinogens (human)
- R01CA-15056-01** Antineoplastic peptides from urine
- ** R26CA-15315-02 0001** Control of bladder cancer - Method for environmental carcinogen detection (dogs, monkeys, rodents, bacteria)
- ** R26CA-15315-02 0002** Control of bladder cancer - A sensitive assay for aromatic amines in urine (human)
- R01CA-15928-01** Pathophysiology of Hodgkin's disease (human)
- N01CB-60968-14** Automated methods for steroid hormone metabolites
- N01DA-30060-00** Evaluate new instrument capability
- P01ES-00481-03 0018** Subcellular pathology of heavy metals - Inorganic mercury and methyl mercury in renal tissue, blood and urine
- R01GM-11373-11** Phosphorimetric analysis of drugs in blood and urine (human)
- P01GM-14546-08 0050** Influence of acute illness and injury on energy - Plasma and urine ribonuclease as an indicator of nutritional status (human)
- P11GM-15190-08 0011** Center for toxicological research and training - Metabolism of methylmercury compounds in man
- P11GM-15431-08 0046** Research center for clinical pharmacology and drug toxicology - Prostaglandins production in the kidney and egress to urine (dogs, human)
- P11GM-15431-08 0047** Research center for clinical pharmacology and drug toxicology - Prostaglandin metabolites in urine reflecting renal synthesis (human, rabbits)
- P11GM-15956-07 0040** Factors affecting the responses to drugs - Disulfiram metabolites in urine (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01GM-19156-02 Medical diagnosis by field ionization spectrometry
 R01GM-19178-03 Genetic and biochemical studies of human amylase
 P01GM-19513-03 0002 Human genetics - New biochemical tools in genetic diagnosis
 P11GM-20852-01 0008 Clinical pharmacokinetics and biopharmaceutics - Effect of antacids on urine pH (human)
 P01GM-21056-01 0006 Interfacial behavior of biomaterials - Urolithiasis and urological devices (human, models)
 N01HD-02251-07 Human chorionic gonadotropin (HCG) studies
 ** P01HD-03803-06 0008 Control mechanism in reproduction and development - Social stimuli, hormones and behavior of animals (mice)
 R01HD-04945-04 Human development and estrogen biosynthesis (human, rats, dogs)
 ** R01HD-07378-02 UV-absorbing components in urine
 ** N01HD-22724-04 Biliary and urinary excretion (primates)
 ** R01HL-14784-03 Micropuncture studies on the mammalian renal medulla (rats)
 R01NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
 M01RR-00051-13 0085 General clinical research center - Metabolic products in urine following alcohol administration (human)
 M01RR-00262-09 0043 General clinical research center - Urinary nucleosides in surgical patients
- URINE, ANURIA**
 SEE ALSO KIDNEY DISORDERS, RENAL FAILURE
 SEE ALSO URINARY TRACT DISORDERS, URINARY TRACT OBSTRUCTION
 SEE ALSO URINE, OLIGURIA
 R01HL-02334-18 Micropuncture study of kidney function (rats)
- URINE, OLIGURIA**
 SEE ALSO KIDNEY FUNCTION, ANTIDIURESIS
 SEE ALSO URINE, ANURIA
 R01AM-12064-08 Regeneration and basic responses of the nephron (rabbits)
 ** P01GM-18674-03 0002 Diagnostic radiology research and training center - Intrarenal hemodynamics in acute oliguric renal failure (human)
 P01GM-18674-03 0005 Diagnostic radiology research and training center - Renal vasculature in acute failure models (dogs, rats)
 P01GM-18674-03 0006 Diagnostic radiology research and training center - Mediators of renal vasoconstriction (chicks, rat, human)
 ** R01HL-11668-07 0008 Cineangiographic studies of the cardiovascular system - Renovascular response to vasoconstrictors and vasodilators in oliguric dog
 M01RR-00040-14 0093 General clinical research center - Hyperkalemia in chronic renal disease with oliguria (human)
 ** M01RR-00633-02 0059 General clinical research center - Effect of furosemide in postoperative oliguria (human)
- URINE ACIDITY**
 P01GM-16934-06 0011 Sulfonamides and carbonic anhydrase-Basis for therapy - Carbonic anhydrase-Reabsorption or direct acidification of urine (rats)
 M01RR-00109-11 0023 General clinical research center - Effect of urinary ammonia excretion on potassium excretion (human)
 M01RR-00261-09 0108 General clinical research center - Effect of lithium on renal acidification (human)
- URINE CHEMICAL ANALYSIS**
 SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS
- UROBILINS**
 SEE BILE PIGMENTS, UROBILINS
- UROCANIC ACID**
 SEE IMIDAZOLE CARBOXYLIC ACIDS, UROCANIC ACID
- UROCHROMES**
 SEE URINARY PIGMENTS
- URODELES**
 SEE AMPHIBIANS, URODELES*
- UROGENITAL SYSTEM**
 SEE REPRODUCTIVE SYSTEM
 SEE URINARY TRACT
- UROGRAPHY**
 SEE URINARY TRACT VISUALIZATION, UROGRAPHY (GENERAL)*
- UROKINASE**
 SEE BLOOD COAGULATION, UROKINASE
- URONIC ACIDS**
 SEE SUGAR ACIDS, URONIC ACIDS
- UROPHYSIS**
 SEE PITUITARY GLAND CAUDAL, UROPHYSIS
- URTICARIA**
 SEE SKIN DISORDERS, URTICARIA
- URTICARIA, GIANT**
 SEE METABOLIC DISORDERS INBORN, ANGIONEUROTIC EDEMA (HEREDITARY)
- URTICARIA PIGMENTOSA**
 SEE SKIN DISORDERS, URTICARIA PIGMENTOSA
- URUSHOL OXIDASE**
 SEE OXYGENASES, MONOPHENOL MONOOXYGENASE
- USER PRODUCTS**
 SEE CONSUMER PRODUCTS
- USER PROTECTION AND PRODUCT DESIGN**
 SEE INJURY (HAZARD) PREVENTION, USER PROTECTION (AND PRODUCT DESIGN)
- USSR**
 SEE GEOGRAPHICAL SITES, USSR
- UTERINE CERVIX DISORDERS**
 SEE REPRODUCTIVE SYSTEM DISORDERS FEMALE, UTERINE DISORDERS, CERVIX
- UTERINE DISORDERS**
 SEE REPRODUCTIVE SYSTEM DISORDERS FEMALE, UTERINE DISORDERS
- UTERINE VEIN**
 SEE CARDIOVASCULAR SYSTEM, VEINS, UTERINE VEIN
- UTERUS**
 SEE REPRODUCTIVE SYSTEM FEMALE, UTERUS
- UTERUS HORMONES**
 SEE REPRODUCTIVE HORMONES, UTERUS HORMONES
- UTERUS HYPERPLASIA**
 SEE REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS PRENEOPLASTIC STATES
- UTERUS NEOPLASMS**
 SEE REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS NEOPLASMS
- UTERUS PRENEOPLASTIC STATES**
 SEE REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, UTERUS PRENEOPLASTIC STATES
- UTILIZATION REVIEW**
 SEE HEALTH CARE QUALITY
- UTP-ALPHA-D-GALACTOSE-1-PHOSPHATE URIDYLTRANSFERASE**
 SEE NUCLEOTIDYLTRANSFERASES, UTP-ALPHA-D-GALACTOSE-1-PHOSPHATE URIDYLTRANSFERASE
- UVEA**
 SEE EYE, UVEA
- UVEITIS**
 SEE EYE DISORDERS, UVEITIS
- VACCINATION**
 SEE ALSO IMMUNITY (AND NATURAL RESISTANCE) (GENERAL)
 SEE ALSO IMMUNITY, IMMUNIZATION ACTIVE
 ** R01AI-08952-06 Vaccination with irradiated sporozoites of Plasmodia (mice)
 R01AI-11160-07 Venereal disease in animal models (cattle, guinea pigs)
 P01AI-12381-01 0015 Center for study of sexually transmitted diseases - Chlamydia as sexually transmitted agents (guinea pigs)
 N01AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
 ** N01AI-22508-03 Clinical evaluation of influenza virus and Mycoplasma pneumoniae vaccines
 N01AI-22521-04 Study of BCG vaccination by aerosol route in monkeys
 N01AI-42550-00 Hemophilus influenzae type b vaccine (human)
 P01CA-10893-06 0015 Cancer Research Center - Study of human papilloma
 ** N01HD-02294-07 Test capsular polysaccharide of hemophilus influenza type B
- VACCINES (GENERAL)**
 ** R01AI-07489-08 The transmission of toxoplasmosis (cats)
 R01AI-11384-02 Immunity in experimental syphilis (rabbits, guinea pigs)
 R01CA-14502-02 Heteroantiserum to human leukemia-associated antigens (mice)
 ** M01RR-00095-14 0076 General clinical research center - Respiratory vaccine evaluation
- VACCINES, BACTERIAL VACCINES (GENERAL)**
 R01AI-09612-03 Prevention of pyelonephritis (rabbits, monkeys)
 R01AI-10087-05 Effect of endotoxin on induction of liver enzymes (mice, rabbits)
 ** R01AI-10449-03 Ribosomal vaccines (mice)
 ** R01AI-11116-02 Biology and immunology of gram-negative bacilli (human, mice, rabbits, monkeys)
 ** R01AI-11160-07 Venereal disease in animal models (cattle, guinea pigs)
- R01AI-11240-02 Cell biology of the immune response to bacteria (mice)
 R01AI-11278-02 Pathogenesis and immunology of Neisseria gonorrhoea (rabbits)
 R01AI-11709-01 Biology of gonorrhoea
 ** R01AI-11830-01 Anti-gonococcal response of normal and resistant men
 R01AI-11845-02 Immunity vs gonorrhoea
 ** R01AI-11860-03 Pneumococcal and salmonella ribosomal vaccines (mice)
 ** N01AI-12502-04 Meningococcal polysaccharide vaccine
 ** N01AI-22502-03 Clinical evaluation of bacterial polysaccharide vaccines
 N01AI-22505-02 Clinical evaluation of respiratory vaccines
 ** N01AI-22506-03 Clinical evaluation of bacterial polysaccharide vaccines
 ** N01AI-42512-00 Testing of M pneumoniae vaccine (human)
 ** N01AI-42550-00 Hemophilus influenzae type b vaccine (human)
 P01CA-12582-04 0007 Multidisciplinary cancer diagnosis and therapy - Non-specific immunotherapy
 R01EY-01488-01 Experimental Pseudomonas infection of the cornea (mice)
 P01HD-05894-04 0005 Genetic childhood diseases and aging - HLA antigens, immunologic response and disease (infants)
 R01HL-12967-05 Experimental pyelonephritis (rats)
 ** M01RR-00350-08 0007 General clinical research center - Mycoplasma pneumonia vaccine studies (human)
- VACCINES, BACTERIAL, BACILLUS CALMETTE-GUERIN VACCINE**
 SEE ALSO ACTINOMYCETALES, BACILLUS CALMETTE-GUERIN*
 R01AI-05663-11 Interaction of alveolar macrophages and mycobacteria (rabbits)
 R01AI-09478-04 The biology and therapy of tuberculosis (primates, guinea pigs)
 N01AI-22521-04 Study of BCG vaccination by aerosol route in monkeys
 P01AM-08305-11 0005 Cystic fibrosis and pulmonary disease - The plasma membrane of the alveolar macrophage (rabbits)
 R10CA-02971-18 Childrens cancer study group A
 R10CA-03526-17 Childrens cancer study group A
 R10CA-04457-15 Acute leukemia group B
 R10CA-05436-14 Childrens cancer study group A
 P02CA-05834-13 0037 Cancer clinical research center - Immunotherapy studies-Leukemia (human)
 P02CA-05837-12 0003 Cancer clinical research - Immunotherapy (human)
 P01CA-08748-09 6202 Research program of Sloan-Kettering Institute - Clinical evaluation of cancer chemotherapy in children
 R10CA-10382-08 Childrens cancer study group A
 P01CA-10815-06 0017 Consolidated basic cancer research program - Immunotherapeutic and immunoprophylactic techniques in canine and murine tumors
 R10CA-11028-07 Acute leukemia group B
 P02CA-11265-05 0022 General clinical cancer research center - Immunological studies of melanoma patients
 R01CA-11605-06 Immunological reactivity in special circumstances (mice)
 P02CA-12197-03 0032 Multidisciplinary oncology research center - Effects of granulomatous cells and products on tumor cells
 ** R01CA-12243-03 Immunologic stimulation in lymphoma and leukemia (human)
 R01CA-12795-03 Nonspecific resistance to viral-induced tumors (mice)
 R01CA-12827-03 Immunotherapy of acute leukemia (humans)
 ** R01CA-13456-02 Human immune response to malignancy during immunotherapy
 R01CA-13467-02 Immunotherapy of mouse lymphomas
 R10CA-13643-02 Southwest cancer chemotherapy study group
 R10CA-13809-02 Children's cancer study group A
 R01CA-13849-02 Tumor radiobiology, experimental oncology therapeutic research (mice)
 ** P01CA-14043-01 0005 Radiation therapy clinical and research center - Effect of BCG and radiation on Hodgkin's-like sarcoma (mice)
 R26CA-14924-02 Immunity to colonic carcinomas in rats and man
 R01CA-14984-01 Immunological aspects of cancer prognosis
 R01CA-15446-05 Primary antigen-antibody reactions in tuberculosis (human, rabbits)
 R26CA-15458-01 Adjuvant immunotherapy to surgery in colorectal cancer
 R01CA-15777-01 Experimental colonic carcinoma-immunologic evaluation (rats, human)
 R01CA-16089-01 Immunotherapy and dynamics of the metastatic process (mice)
 P01CA-16359-01 0043 Cancer center support grant - Mechanisms of adjuvant action
 ** R01CA-17025-01 Mode of action of a stimulator of tumor resistance

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- N01CB-43876-00 Hybrid tumor cells-An immunotherapeutic agent
 M01RR-00079-12 0103 General clinical research center - BCG treatment of malignant melanoma (human)
 M01RR-00749-02 0034 General clinical research center - Does emphysema improve survival after lung cancer surgery? (human)

VACCINES, BACTERIAL, CHOLERA VACCINE

- R22AI-07631-08 Resistance and immunity to cholera (mice)
 R22AI-08024-07 Genetic studies on *Vibrio cholerae*
 R22AI-08518-06 Antibacterial immunity against *Vibrio cholerae* (human, rabbits, mice)
 R22AI-08877-06 Cholera exo-enterotoxin and immunity in cholera (mice)
 R22AI-10466-03 Immunity to cholera (mice)
 R22AI-11196-02 Effects of intestinal milieu on cholera enterotoxin (rabbits)

VACCINES, BACTERIAL, HEMOPHILUS INFLUENZAE VACCINES

- N01AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22502-03 Clinical evaluation of bacterial polysaccharide vaccines
 N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22505-02 Clinical evaluation of respiratory vaccines

VACCINES, BACTERIAL, MENINGOCOCCAL VACCINES

- N01AI-22502-03 Clinical evaluation of bacterial polysaccharide vaccines
 N01HB-22950-04 Studies in sickle cell disease (human)

VACCINES, BACTERIAL, PERTUSSIS VACCINE

- R22AI-07809-07 Role of hypersensitivity in antibacterial immunity (mice)
 R23HL-17235-01 Cyclic AMP and histamine hypersensitivity (mice)

VACCINES, BACTERIAL, PNEUMOCOCCAL VACCINE

- N01AI-02065-09 Clinical trials of *M. pneumoniae* vaccine (human, mammals)
 R01AI-04967-12 Sequence, shape and specificity of antibodies (rabbits)
 R01AI-05100-12 Respiratory infection and respiratory pathogens of man
 R01AI-11080-02 Antigen and antibody in the immune response (mice)
 N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22508-03 Clinical evaluation of influenza virus and *Mycoplasma pneumoniae* vaccines
 N01AI-32503-02 Study of viral vaccine in man
 N01AI-32517-03 Surveillance of pneumococcal infection and evaluation of vaccines
 N01AI-42518-00 Clinical evaluation of bacterial polysaccharide vaccine
 N01AI-42541-00 Operation of pneumococcal polysaccharide reference laboratory
 N01AM-32218-01 Cytomegalovirus and herpes simplex virus infection of hemodialysis patients
 P01HD-03110-07 0001 Child development and mental retardation - Health research program
 P01HD-05894-04 0005 Genetic childhood diseases and aging - HLA antigens, immunologic response and disease (infants)
 P18HL-15170-03 0009 Comprehensive sickle cell disease center - Role of spleen in severe infections and development of a prophylactic regimen (h)
 M01RR-00722-02 0016 General Clinical Research Center - Hemoglobinopathies particularly sickle cell anemia (human)

VACCINES, BACTERIAL, SALMONELLA VACCINES

- R01AI-08041-08 Immune response to living and killed vaccines (mice)
 R01AI-09571-05 Virulence-host resistance in murine salmonellosis (mice)
 R01AI-10797-03 Induction of immunity to experimental salmonellosis (mice)
 R01AI-10837-02 Immunity in human salmonella infections

VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES

- R01AI-04342-13 Chemistry and immunology of streptococcal antigens (mice, human)
 R01AI-09492-14 Interactions of immunoglobulins (human, rats, rabbits)
 N01AI-10085-10 Streptococcal immunity, rheumatic fever and nephritis (human)
 R01AI-11439-01 Genetic components of the immune response (rabbits)
 R01AI-12219-01 Streptococcal epidemiology and immunity (rabbits, human)
 R01AI-12273-01 Modulation of immunity to group A streptococci (rats, chickens)
 N01AI-32519-02 Immunization of humans with group A streptococcal M proteins

- R01AM-10672-09 Immunology of renal diseases (children, adults)
 M01RR-00082-12 0100 General clinical research center - Evaluation of intra-nasal streptococcal M-protein vaccine-Type I (human)

VACCINES, BACTERIAL, TUBERCULOSIS VACCINES

- SEE ALSO ACTINOMYCETALES, MYCOBACTERIUM TUBERCULOSIS*
 SEE ALSO VACCINES, BACTERIAL, BACILLUS CALMETTE-GUERIN VACCINE
 R22AI-01636-17 Acquired immunity in tuberculosis (mice, guinea pigs, monkeys)
 R22AI-07809-07 Role of hypersensitivity in antibacterial immunity (mice)
 N01AI-42555-00 Evaluation of Youmans' ribosomal tuberculosis vaccine in guinea pigs

VACCINES, LIVE

- R01AI-06706-07 0003 Cellular immunity in viral diseases - Cellular immunity in viral diseases (human, dogs)
 R01AI-08041-08 Immune response to living and killed vaccines (mice)
 P01AI-12192-01 0008 Venereal disease research - Immunity in experimental syphilis (guinea pigs, rabbits, human)
 N01AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22505-02 Clinical evaluation of respiratory vaccines
 N01AI-22508-03 Clinical evaluation of influenza virus and *Mycoplasma pneumoniae* vaccines

VACCINES, SYPHILIS VACCINES

- R01AI-12129-01 Cultivation of treponemes and immunity to syphilis

VACCINES, TRACHOMA VACCINE

- R01EY-00219-14 Prevention of trachoma (human, primates, rabbits)
 R01EY-00812-10 Prevention of trachoma and infectious diseases (human, guinea pigs, monkeys)

VACCINES, VIRAL VACCINES GENERAL

- R01AI-06706-07 0003 Cellular immunity in viral diseases - Cellular immunity in viral diseases (human, dogs)
 R01AI-08648-06 Pathogenesis and epidemiology of simian viruses (primates)
 R01AI-09221-06 Significance of viral FA in various globulin classes (human)
 R01AI-10023-04 Effect of poly I:C on delayed hypersensitivity (human, guinea pigs)
 P01AI-11132-03 0004 Prevention or control of arbovirus infections - Serological and biological properties of Congo virus (mice)
 N01AI-32521-01 Operation of virus, tissue culture and serology laboratories
 N01AI-42553-00 Facility for study of infectious agents in adult volunteers
 R01CA-13865-02 Immune mechanisms in tumor protection (chickens)
 N01CB-43865-00 Immunotherapy-Animal models for neuraminidase therapy evaluation
 N01CM-43760-00 Maintenance of virus diagnostic laboratory (mice, rats, hamsters)
 N01CP-12059-11 Research on oncogenic viruses, virus production and vaccine development
 N01CP-33248-02 Immunoprevention of spontaneously occurring neoplasms
 N01CP-43217-00 Biohazards control and containment in oncogenic virus research
 N01CP-43240-00 Roles of viruses and chemical in the etiology of cancer
 R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
 N01NS-42325-00 Housing and care of animals in infectious virus studies
 M01RR-00305-08 0083 Clinical research center for children - Local immune response to nasal vaccines in Bruton's agammaglobulinemia
 M01RR-00350-08 0051 General clinical research center - Standardization for adenovirus 5 subunit vaccines (human)
 R01RR-00700-03 Sialodacryoadenitis in the laboratory rat
 R01RR-00885-01 Herpes virus vaccines in laboratory cats

VACCINES, VIRAL, ADENOVIRUS VACCINES

- N01AI-12091-07 Antigenicity and effectiveness of respiratory disease vaccines
 N01AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22507-03 Clinical evaluation of respiratory vaccines in children and infants
 M01RR-00350-08 0051 General clinical research center - Standardization for adenovirus 5 subunit vaccines (human)
 P06RR-00361-08 Reference center for study of primate viruses

VACCINES, VIRAL, HEPATITIS

- R01AI-11265-02 Etiology of viral hepatitis (human, goats, guinea pigs)

VACCINES, VIRAL, INFLUENZA VIRUS VACCINES

- R01AI-04059-13 0002 Viral respiratory diseases - Host response to viral respiratory infection (mice, human)
 N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22508-03 Clinical evaluation of influenza virus and *Mycoplasma pneumoniae* vaccines
 N01AI-32503-02 Study of viral vaccine in man
 N01AI-32506-02 Evaluation of respiratory virus vaccines (human)
 N01AI-42511-00 Clinical evaluation of inactivated influenza virus vaccines
 N01AI-42528-01 Establishment of an influenza research center
 N01AI-42542-00 Development of 'An in vitro assay of attenuation of live influenza viruses'
 N01AM-32218-01 Cytomegalovirus and herpes simplex virus infection of hemodialysis patients
 R01GM-16164-06 Stochastic epidemic models
 N01HD-02294-07 Test capsular polysaccharide of hemophilus influenza type B
 R01HD-07769-01 Host defenses and auto-immunity in the aged (human)
 M01RR-00082-12 0102 General clinical research center - Evaluation of attenuated influenza vaccine-Hong Kong strain (human)
 M01RR-00082-12 0108 General clinical research center - Evaluation of attenuated influenza vaccine-London strain (human)
 M01RR-00284-08 0058 General clinical research center-pediatric - Influenza recombinant vaccine
 M01RR-00350-08 0053 General clinical research center - Development of standardized influenza virus challenge (human)

VACCINES, VIRAL, MEASLES VACCINE

- N01HD-42859-00 Interaction between malnutrition and infection studies
 R01NS-09547-04 Viral subacute and chronic nervous system disease (human)

VACCINES, VIRAL, PARAINFLUENZA VIRUS VACCINE

- N01AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22504-02 Develop attenuated mutants of RSV and PIV as potential vaccine strains (hamsters)
 N01AI-22507-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-32503-02 Study of viral vaccine in man
 P01HD-03110-07 0001 Child development and mental retardation - Health research program
 R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)

VACCINES, VIRAL, POLIOMYELITIS VACCINE

- N01CP-43201-00 Mortality experience of children inoculated with SV40
 P01HD-07256-03 0001 Child health and development studies - Drugs during pregnancy and fetal outcome (human)

VACCINES, VIRAL, RABIES VACCINE

- R01AI-09706-04 Rabies and rabies virus antigens (rodents)
 R22AI-10831-03 Intragroup relationships of rabies serogroup (mice)
 R22AI-12017-01 Rabies-pathogenesis, interference, abortive infection
 N01AI-12292-03 Potency testing of rabies vaccines (mammals, non-human)
 N01AI-42554-00 Study rabies virus antigen (mice)

VACCINES, VIRAL, RESPIRATORY SYNCYTIAL VIRUS VACCINES

- N01AI-12091-07 Antigenicity and effectiveness of respiratory disease vaccines
 N01AI-22501-02 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22503-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-22504-02 Develop attenuated mutants of RSV and PIV as potential vaccine strains (hamsters)
 N01AI-22505-02 Clinical evaluation of respiratory vaccines
 N01AI-22507-03 Clinical evaluation of respiratory vaccines in children and infants
 N01AI-32503-02 Study of viral vaccine in man
 P01HD-03110-07 0001 Child development and mental retardation - Health research program
 M01RR-00284-08 0033 General clinical research center-pediatric - Respiratory syncytial virus vaccine study

VACCINES, VIRAL, RUBELLA VACCINES

- R01AI-11788-04 Responses to rubella virion and subunit vaccines (human, monkeys, rabbits)

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** RO1AM-17050-01 Arthritis and rubella infection (human)

VACCINES, VIRAL, YELLOW FEVER VACCINES
RO1AI-10526-03 Role of lymphocytes in human viral infections (and mice)

VACCINIA VIRUS
SEE VIRUSES, POXYVIRUSES, VACCINIA VIRUS

VAGINA
SEE REPRODUCTIVE SYSTEM FEMALE, VAGINA

VAGINAL DISORDERS
SEE REPRODUCTIVE SYSTEM DISORDERS FEMALE, VAGINAL DISORDERS

VAGINAL NEOPLASMS
SEE REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, VAGINAL NEOPLASMS

VAGINAL SMEARS
SEE DIAGNOSTIC TESTS, CYTODIAGNOSIS, VAGINAL SMEARS*

VAGOTOMY
SEE NEUROSURGERY, VAGOTOMY

VAGUS NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, VAGUS

VALINE
SEE AMINO ACIDS, VALINE

VALINOMYCIN
SEE ANTIBIOTICS, VALINOMYCIN

VALSALVA'S MANEUVER
SEE RESPIRATORY FUNCTION, VALSALVA'S MANEUVER

VALUES
SEE PSYCHOLOGY, ATTITUDES, VALUES

VALVES, HEART
SEE HEART, VALVES

VALVULAR HEART DISORDERS
SEE HEART DISORDERS, VALVULAR

VALVULAR INSUFFICIENCY
SEE HEART DISORDERS, VALVULAR INSUFFICIENCY

VAN BOGART'S LEUKOENCEPHALITIS
SEE NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS

VAN DER WAAL'S FORCES
SEE MOLECULAR INTERACTIONS NONBONDING

VANADIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, VANADIUM

VANCOMYCIN
SEE ANTIBIOTICS, VANCOMYCIN

VANILLIC ACID DIETHYLAMIDE
SEE PHENYLAMIDES, ETHANIVAN

VAPORS
SEE PHYSICAL PROPERTIES, FLUID STATE, VAPORS

VARICELLA-ZOSTER VIRUS
SEE VIRUSES, HERPESVIRUSES, VARICELLA-ZOSTER VIRUS

VARICES
SEE CARDIOVASCULAR DISORDERS, VASODILATION
SEE GASTROINTESTINAL CIRCULATORY DISORDERS, ESOPHAGEAL VARICES

VARICOSE VEINS
SEE CARDIOVASCULAR DISORDERS, VARICOSE VEINS

VARIOLA
SEE VIRUS DISEASES, POXYVIRUS, SMALLPOX

VAS DEFERENS
SEE REPRODUCTIVE SYSTEM MALE, EPIDIDYMIS AND DUCTS

VAS OPERATIONS (VAS DEFERENS)
SEE REPRODUCTIVE SYSTEM SURGERY, MALE, VAS OPERATIONS

VASA VASORUM
SEE CARDIOVASCULAR SYSTEM, VASA VASORUM

VASCULAR BEDS
SEE CARDIOVASCULAR SYSTEM, CAPILLARY BEDS

VASCULAR DISORDERS GENERAL
SEE CARDIOVASCULAR DISORDERS, VASCULAR DISORDERS GENERAL

VASCULAR HEMOPHILIA
SEE BLOOD COAGULATION DISORDERS, VON WILLEBRAND'S DISEASE

VASCULAR OCCLUSION (PARTIAL OR TOTAL), THERAPEUTIC
SEE CARDIOVASCULAR SURGERY, VASCULAR OCCLUSION THERAPEUTIC

VASCULAR RESISTANCE
SEE CARDIOVASCULAR FUNCTION, VASCULAR RESISTANCE

VASCULAR SUPPLY OF NEOPLASMS
SEE NEOPLASMS VASCULAR SUPPLY

VASECTOMY
SEE REPRODUCTIVE SYSTEM SURGERY, MALE, VAS OPERATIONS

VASOACTIVE AGENTS (GENERAL)
SEE CARDIOVASCULAR AGENTS, VASOACTIVE AGENTS (GENERAL)

VASOACTIVE PEPTIDES, PRECURSORS, AND RELATED ENZYMES
SEE PEPTIDES, VASOACTIVE PEPTIDES

VASOCONSTRICTORS, NASAL
SEE RESPIRATORY DRUGS, DECONGESTANTS, NASAL

VASODILATATION
SEE CARDIOVASCULAR DISORDERS, VASODILATATION

VASODILATORS
SEE CARDIOVASCULAR AGENTS, VASODILATORS

VASODILATORS, CORONARY
SEE CARDIOVASCULAR AGENTS, VASODILATORS, CORONARY

VASOFLAVINE
SEE FLAVANOLS, VASOFLAVINE

VASOMOTION
SEE CARDIOVASCULAR FUNCTION, VASOMOTION

VASO-OCCLUSIVE CRISIS IN SICKLE CELL DISEASES
SEE HEMOPROTEINS, HEMOGLOBINOPATHIES, SICKLE CELL CRISIS

VASOPRESSIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

VASOPRESSIN DEFECTIVE DIABETES INSIPIDUS
SEE METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS

VASOPRESSIN DEFICIENCY
SEE METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS

VASOPRESSIN RESISTANCE
SEE METABOLIC DISORDERS (INBORN), DIABETES INSIPIDUS, VASOPRESSIN RESISTANCE

VASOPRESSORS
SEE CARDIOVASCULAR AGENTS, VASOPRESSORS

VASOSPASMS
SEE CARDIOVASCULAR DISORDERS, VASOSPASM

VASOTOCIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOTOCIN

VCR
SEE ALKALOIDS, VINCRISTINE

VECTORCARDIOGRAPHY
SEE HEART EXAMINATIONS, VECTORCARDIOGRAPHY*

VECTOR MAGNETOCARDIOGRAPHY
SEE HEART EXAMINATIONS, VECTOR MAGNETOCARDIOGRAPHY*

VECTORS (COMMUNICABLE DISEASE)
SEE COMMUNICABLE DISEASE TRANSMISSION, DISEASE VECTORS (COMMUNICABLE DISEASE)

VEGETABLES
SEE PLANTS, VEGETABLES GENERAL*

VEGETABLE OILS (FATS)
SEE LIPIDS, OILS, VEGETABLE OILS

VEGETARIANISM
SEE NUTRITION, DIET, VEGETARIANISM

VEHICLE ACCIDENTS
SEE INJURIES, ACCIDENTS VEHICLE

VEHICLES DRUG
SEE DRUGS VEHICLES

VEILLONELLA
SEE BACTERIA, NEISSERIAEACEA, VEILLONELLA*

VEINS
SEE CARDIOVASCULAR SYSTEM, VEINS

VENA CAVA
SEE CARDIOVASCULAR SYSTEM, VEINS, VENA CAVA

VENA CAVA FILTERS
SEE BLOOD TREATMENT, BLOOD FILTERS, VENA CAVA FILTERS

VENA CAVA INFERIOR
SEE CARDIOVASCULAR SYSTEM, VEINS, VENA CAVA INFERIOR

VENA CAVA SUPERIOR
SEE CARDIOVASCULAR SYSTEM, VEINS, VENA CAVA SUPERIOR

VENEREAL DISEASES
SEE COMMUNICABLE DISEASES, VENEREAL DISEASE

VENEREAL SARCOMA VIRUS CANINE
SEE VIRUSES, ONCOGENIC, VENEREAL SARCOMA VIRUS CANINE

VENEZUELA
SEE GEOGRAPHICAL SITES, S. AMERICA, VENEZUELA

VENEZUELAN (EQUINE) ENCEPHALITIS VIRUS
SEE VIRUSES, ARBOVIRUSES A, VENEZUELAN ENCEPHALITIS VIRUS

VENOGRAPHY (GENERAL)
SEE CARDIOVASCULAR VISUALIZATION, VENOGRAPHY (GENERAL)*

VENOM ANTIBODIES
SEE IMMUNOLOGY, ANTITOXINS, ANTIVENOMS

VENOMS
SEE TOXICOLOGY, ANIMAL POISONS, VENOMS

VENOUS BYPASS OF LIVER
SEE LIVER CIRCULATION, VENOUS BYPASS OF LIVER

VENOUS INFUSIONS
SEE DOSAGE AND ROUTE, INFUSIONS VENOUS

VENOUS OCCLUSIONS
SEE CARDIOVASCULAR DISORDERS, VENOUS OCCLUSIONS

VENTILATION, HEATING, AIR CONDITIONING
SEE ENVIRONMENT CONTROLLED

VENTRAL COLUMN
SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD, VENTRAL COLUMN

VENTRAL ROOT
SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD, VENTRAL ROOT

VENTRICLES
SEE BRAIN, CENTRAL SPACES
SEE HEART, VENTRICLES

VENTRICULAR FIBRILLATION
SEE HEART DISORDERS, ARRHYTHMIA, VENTRICULAR FIBRILLATION

VENTRICULAR HYPERTROPHY
SEE HEART DISORDERS, HEART ENLARGEMENT, VENTRICULAR HYPERTROPHY

VENTRICULOGRAPHY (BRAIN)
SEE BRAIN VISUALIZATION, VENTRICULOGRAPHY*

VERATRIDINE
SEE ALKALOIDS, VERATRUM

VERATRUM ALKALOIDS
SEE ALKALOIDS, VERATRUM

VERBAL BEHAVIOR
SEE INFORMATION-COMMUNICATION BEHAVIOR, VERBAL BEHAVIOR

VERBAL CONDITIONING
SEE PSYCHOLOGY, CONDITIONING, VERBAL

VERBAL LEARNING
SEE PSYCHOLOGY, LEARNING, VERBAL

VERNAMYCIN
SEE ANTIBIOTICS, VERNAMYCIN

VERTEBRAL ARTERY
SEE CEREBROVASCULAR SYSTEM, VERTEBRAL ARTERY

VERTEBRAL COLUMN
SEE SKELETAL SYSTEM, SPINE

VERTEBRAL INJURIES
SEE INJURIES, BACK, SPINAL

VERTICAL PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, SPATIAL PERCEPTION

VERTIGO
SEE NEUROLOGIC MANIFESTATIONS, VERTIGO

VERTIGO, AURAL
SEE EAR DISORDERS, LABYRINTH DISORDERS, MENIERE'S SYNDROME

VERY LOW DENSITY LIPOPROTEINS
SEE LIPOPROTEINS BLOOD, VLDL

VESICANTS
SEE DISEASES, PATHOLOGIC PROCESSES, IRRITATION, SKIN IRRITANTS

VESICATION
SEE SKIN DISORDERS, BLISTERS

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VESICULAR SKIN DISORDERS (GENERAL)
SEE SKIN DISORDERS, VESICULAR (GENERAL)

VESICULAR STOMATITIS VIRUS
SEE VIRUSES, ARBOVIRUSES, VESICULAR STOMATITIS VIRUS

VESTIBULAR APPARATUS
SEE EAR, LABYRINTH, VESTIBULAR APPARATUS

VESTIBULAR NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, VESTIBULAR NERVE

VESTIBULAR NUCLEI
SEE BRAIN, VESTIBULAR NUCLEI

VESTIBULAR PATHWAYS
SEE BRAIN, VESTIBULAR PATHWAYS
SEE EAR, LABYRINTH, VESTIBULAR APPARATUS

VESTIBULAR REFLEX
SEE EAR, LABYRINTH, VESTIBULAR REFLEX

VETERINARY MEDICINE
SEE ANIMALS, VETERINARY MEDICINE

VETERINARY SCIENCE
SEE ANIMALS, VETERINARY SCIENCE

VETIVONE
SEE CYCLOHEPTANES, VETIVONE

VIBRATION PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, VIBRATION PERCEPTION

VIBRATIONS, CHEMICAL BONDS
SEE CHEMICAL BONDS, VIBRATIONS

VIBRATIONS, MECHANICAL
SEE PHYSICAL PROPERTIES, MECHANICAL VIBRATIONS

VIBRIO
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

VIBRIO CHOLERAEE
SEE BACTERIA, PSEUDOMONADALES, VIBRIO CHOLERAEE*

VIBRIO FETUS
SEE BACTERIA, PSEUDOMONADALES, VIBRIO FETUS*

VIBRIO PARAHEMOLYTICUS
SEE BACTERIA, PSEUDOMONADALES, VIBRIO PARAHEMOLYTICUS*

VIBRIOSIS
SEE BACTERIAL DISEASES, VIBRIOSIS

VIBROCARDIOGRAPHY
SEE HEART EXAMINATIONS, KINETOCARDIOGRAPHY

VIDEO HEART MOTION TRACKING SYSTEM
SEE CARDIOVASCULAR VISUALIZATION, RADARKYMOGRAPHY*

VIDEO VISION FOR THE BLIND
SEE EYE DISORDERS, AIDS FOR THE BLIND, SUBSTITUTE SIGHT

VIDEOTAPES (GENERAL)
SEE INFORMATION DISSEMINATION, VIDEOTAPES (GENERAL)

VILLI, INTESTINAL
SEE GASTROINTESTINAL SYSTEM, INTESTINAL VILLI

VILLIKININ
SEE GASTROINTESTINAL HORMONES, VILLIKININ

VINBLASTINE
SEE ALKALOIDS, VINBLASTINE

VINCA ALKALOIDS
SEE ALKALOIDS, VINCA

VINCALEUKOBLASTINE
SEE ALKALOIDS, VINBLASTINE

VINCAMINE
SEE ALKALOIDS, VINCAMINE

VINCRISTINE
SEE ALKALOIDS, VINCRISTINE

VINEGAR FLIES
SEE ARTHROPODS, INSECTS, DIPTERA, DROSOPHILA*

VINYLBENZENE POLYMERS
SEE PLASTICS, STYRENE POLYMERS

VINYL CHLORIDE POLYMERS
SEE PLASTICS, POLYVINYL

VINYL ETHERS
SEE ETHERS, VINYL ETHERS

VINYL POLYMERS
SEE PLASTICS, POLYVINYL

VIOKASE
SEE PANCREAS, PANCREATIC ENZYMES

VIRAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS VIRAL

VIRAL DNA
SEE NUCLEIC ACIDS, DNA VIRAL

VIRAL ECLIPSE
SEE VIRUS DEVELOPMENT, PROVIRUS

VIRAL ONCOLOGY
SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

VIRAL PROTEINS
SEE PROTEINS, VIRAL (GENERAL)

VIRAL RNA
SEE NUCLEIC ACIDS, RNA VIRAL

VIRAL TYPING
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING

VIRAL VACCINES
SEE VACCINES, VIRAL VACCINES GENERAL

VIRICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

VIRIDANS GROUP OF STREPTOCOCCI
SEE BACTERIA, LACTOBACILLACEAE, STREPTOCOCCUS, VIRIDANS GROUP*

VIRILISM
SEE REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, VIRILISM

VIROLOGY STUDY SECTION

** R01AI-00536-21 Reproduction and mutation of tobacco mosaic virus

** R01AI-00701-18 Measles virus recombination and reactivation

** R01AI-00771-20 Wildlife reservoirs of arboviruses (rodents, deer)

** R01AI-00868-18 Toxicity and infectivity of psittacosis organisms

** R01AI-00957-19 RNA function in viral infected and uninfected cells

** R01AI-01023-18 Pathogenic agents using in vitro techniques (rats)

** R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)

** R01AI-01528-18 New viruses in relation to clinical disease

** R01AI-01594-18 The psittacosis group of organisms

** R01AI-01725-17 Biochemistry of animal virus multiplication

** R01AI-01992-17 Viral cytopathogenicity—Mechanisms and applications (human, hamsters)

** R01AI-02031-16 Biochemistry of fowlpox replication and hyperplasia

** R01AI-02032-17 Nucleic acids of herpesvirus infected cells (hamsters)

** R01AI-02953-14 Cell immunity—Natural inhibitors of viral activity (rabbits, mice)

** R01AI-03445-15 Virus induced alterations in animal cells

** R01AI-03536-14 Biochemistry of virus infections

** R01AI-03771-14 Viral interference in carrier cultures

** R01AI-03874-14 Measles virus or other virus infections (rabbits, mice, monkeys)

** R01AI-04043-13 Genetic studies of phage-prophage interactions

** R01AI-05343-11 Multiplication of paramyxoviruses

** R01AI-05629-12 Chemistry of the interferon molecule (mice)

** R01AI-05855-11 Growth and recombination in bacteriophage

** R22AI-05920-12 Togavirus replication in insect and vertebrate cells

** R01AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)

** R01AI-06264-10 Cellular resistance to virus infections

** R01AI-06336-10 Chemistry of phage invasion, structure and assembly

** R01AI-06429-09 Genetic evolution of bacteriophage

** R01AI-06814-09 Electron microscopy of virus-host interactivity

** R01AI-06844-09 Biosynthesis of viral RNAs

** R01AI-06862-09 Molecular mechanisms of virus replication

** R01AI-06864-09 Molecular basis of measles pathogenesis and immunity

** R01AI-07057-09 Interferon and resistance to virus infection

** R01AI-07107-07 Host-controlled variation and transduction with T1

** R01AI-07140-09 Translation and replication of RNA containing viruses

** R01AI-07471-08 Equine infectious anemia (horses)

** R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes

** R01AI-08133-17 Phage infection—Deoxyribonucleotide and DNA biosynthesis

** R01AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)

** R01AI-08368-07 Viral-modified membranes in virus maturation

** R01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)

** R01AI-08420-07 Pathogenesis of chlamydial polyarthritides (cattle, sheep)

** R01AI-08648-06 Pathogenesis and epidemiology of simian viruses (primates)

** R01AI-08697-06 The role of mononuclear leucocytes in viral immunity (human, mice, rabbits)

R01AI-08731-04 Pharyngeal excretion of EB virus (human)

** R01AI-08738-06 Control mechanisms in phage-host cell interactions

** R01AI-08814-06 Regulation of viral RNA translation

** R01AI-08831-06 Origin of pandemic influenza viruses (birds, swine)

** R01AI-08937-06 Stable virus-cell associations (bacteria)

** R01AI-09022-06 Model of parainfectious demyelinating encephalitis (dogs)

** R01AI-09044-06 Phi X 174 coat proteins

** R01AI-09095-06 Host alterations during cytomegalovirus infection (mice)

** R01AI-09118-06 Pathogenicity of EMC virus (mice, monkey, swine)

** R01AI-09221-06 Significance of viral FA in various globulin classes (human)

** R01AI-09238-06 Biochemistry and genetic control of virus assembly

** R01AI-09304-06 Influenza virus and experimental influenza (mice, rabbits)

** R01AI-09312-05 Host-cell interaction of animal viruses

** R01AI-09315-10 Protein synthesis in bacteria

** R01AI-09447-05 Lipid biosynthesis induced by poxvirus infection (chick embryo, rats)

** R01AI-09476-06 Slow virus infections—Immunologic and viral studies (mink, mice)

** R01AI-09484-05 Chronic neurologic disorders caused by persistent viral infection (mice)

** R01AI-09628-04 Slow virus infections of human (monkeys)

** R01AI-09706-04 Rabies and rabies virus antigens (rodents)

** R01AI-09736-05 Replication of phi-X-174 bacteriophage

** R01AI-09775-04 Rhinovirus immunology and epidemiology (human, rabbits)

R01AI-09785-04 Criteria for use of zoster immune globulin (human)

** R01AI-09882-03 Role of host cell proteins in synthesis of virus DNA

** R01AI-10097-04 Structure of myxoviruses and oncornaviruses

** R01AI-10132-04 Replication and encapsidation of reovirus RNA

** R01AI-10164-04 Permeability of the epidemic typhus rickettsia

** R01AI-10172-01 Immunobiology of virus-lymphocyte interactions (mice)

** R01AI-10193-03 Eye disease and venereally transmitted chlamydial (human)

** R01AI-10216-04 Studies of cell and virus protein

** R01AI-10217-04 Interferon and host resistance to viral infection (mice)

** R01AI-10252-04 Varicella—Epidemiology and pathogenesis (human, monkeys)

** R01AI-10282-03 Host factors which modify human interferon response

** R01AI-10332-03 Intracellular parasitism

** R01AI-10339-03 Vaccinia virus immune mechanisms (monkey, rabbits)

** R01AI-10361-04 Nucleotide sequences in viral RNA

** R01AI-10429-03 Virus-cell and virus-antibody interaction

** R01AI-10430-03 Molecular basis for the attenuation of poliovirus

** R01AI-10492-03 Virulence of *Corynebacterium diphtheriae*

** R01AI-10526-03 Role of lymphocytes in human viral infections (and mice)

** R01AI-10605-03 Biology of mycoplasma viruses

** R01AI-10612-04 Studies on the nature of arenaviruses

** R01AI-10638-03 Viruses of phytopathogenic pseudomonads

** R01AI-10692-03 Transcription and replication of animal RNA viruses

** R01AI-10752-03 Regulation of the M13 viral DNA replication (E coli)

R01AI-10828-03 Poxvirus biochemistry and synthetic virus particles

** R01AI-10829-03 Properties of mycoviruses—Interferon inducers

** R22AI-10831-03 Intragroup relationships of rabies serogroup (mice)

** R01AI-10843-03 Molecular biology of adeno-associated virus

** R01AI-10845-20 Virus structure and growth in cultured cells

** R01AI-10883-03 Herpes virus replication in synchronized cell cultures

** R01AI-10884-03 Influenza virus structure, biosynthesis, and assembly

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01AI-10900-03 Interferon and cell-mediated immunity
 ** R01AI-10902-06 Synthesis and function of organized elements in cells (E coli)
 ** R01AI-10944-03 Uptake of polynucleotides and interferon production
 ** R01AI-10945-03 Immunocytochemistry of virus receptors and infected cells (human)
 ** R01AI-10984-03 World reference center for arboviruses (mice)
 ** R01AI-10996-02 Respiratory syncytial virus assembly and maturation
 ** R01AI-10997-01 Pathogenesis of cytomegalovirus infection (monkeys, human)
 ** R01AI-11111-02 Immunology of congenital cytomegalovirus disease
 ** R01AI-11112-08 Cellular resistance to viral infection
 ** R01AI-11127-02 Control mechanisms in paramyxovirus replication
 ** R01AI-11152-01 Viruses and maternal inheritance in *Neurospora crassa*
 ** R01AI-11173-02 Phage P22—In vitro assembly and mode of attachment
 ** R01AI-11217-02 A new human papova virus (hamsters, guinea pigs, rabbits)
 ** R01AI-11250-02 Transmissible spongiform encephalopathies (mice, monkeys)
 ** R22AI-11253-02 Epidemiological studies of latent rabies infections (rodents, carnivores)
 ** R01AI-11255-01 Characterization of the rubella virus proteins (rabbits)
 ** R01AI-11263-02 Sindbis virus growth and alteration of cell membranes
 ** R01AI-11265-02 Etiology of viral hepatitis (human, goats, guinea pigs)
 ** R01AI-11270-01 Interferon—Production and action in single cells
 ** R01AI-11272-02 Human interferon—Induction and structure
 ** R01AI-11325-02 Molecular interrelationships among AAV proteins (guinea pigs)
 ** R01AI-11344-02 Phage-host interactions and control of phage growth
 ** R01AI-11377-01 Structure and replication of enveloped RNA viruses
 ** R01AI-11427-01 Virus replication and transformation
 ** R01AI-11428-01 Membranes and the action of viruses
 ** R01AI-11430-01 Viral etiology of human renal disease
 ** R01AI-11459-02 Host and viral influences phage lambda and P1 development
 ** R01AI-11470-01 Role of RNA in DNA viruses
 ** R01AI-11513-01 The mechanism of virus induced cell fusion
 ** R01AI-11547-02 La Crosse arbovirus studies in forested areas, (mosquitoes, rodents)
 ** R01AI-11572-02 Infective role of amino acid binding by viral RNA
 ** R01AI-11577-02 DNA regulation during T4 infection of E coli
 ** R01AI-11593-02 Viral hepatitis—Role of Australia antigen and other agents, (human)
 ** R01AI-11614-01 Influenza viral RNA and protein synthesis in vitro
 ** R01AI-11633-01 DNA replication in small viruses, in vivo /in vitro
 ** R01AI-11658-01 Polypeptide cleavage during EMC virus synthesis
 ** R01AI-11674-01 Recombinant influenza virus infections in animals (turkeys, swine)
 ** R01AI-11676-01 Phage T4 head assembly and initiation of infection
 ** R01AI-11714-01 Virus-antibody complexes and chromatography (mice)
 ** R01AI-11722-01 Rhabdovirus transcription and replication
 ** R01AI-11741-01 Proteins of measles and canine distemper viruses
 ** R01AI-11772-01 Replication of influenza virus (rabbits)
 ** R01AI-11798-01 Latency and reactivation of cytomegalovirus infection (mice)
 ** R01AI-11823-01 Synthetic neuraminidase substrates
 ** R01AI-11829-01 Infectivity and interrelationships of coronaviruses (human)
 ** R01AI-11868-01 Regulatory mechanisms in virus development
 ** R01AI-11877-01 Biochemical analysis of viral envelope proteins
 ** R01AI-11913-01 Synthesis and regulation of viral RNA
 ** R01AI-11927-01 Colonial bats as overwintering reservoir of EEE virus
 ** R01AI-11996-01 Superinfection exclusion in RNA animal viruses (mice)
 ** R22AI-12017-01 Rabies-pathogenesis, interference, abortive infection
 ** R01AI-12018-01 Human perinatal infections with *Coxiella burnetii*
 ** R01AI-12053-01 Mechanisms of viral eclipse and assembly
 ** R01AI-12056-01 Effects of bacterial viruses on cell membranes
 ** R01AI-12070-01 Autointerference in virus infections and malignancy
- R01AI-12089-01 The selection of picornavirus-assistant cells
 ** R01AI-12116-01 Biology of human lymphoblastoid cell lines
 ** R01AI-12123-01 Epidemiologic relation to multiple sclerosis to virus
 ** R01AI-12132-01 Regulation of transcription in virus infected cells
 ** R01AI-12133-01 Viral induced changes in replication and transcription
 ** R01AI-12170-01 Therapy of herpes infection—5-HALO-CDR and THU
 ** R01AI-12242-01 Replication and host range specificity of LD virus (mice)
 ** R01AI-12400-01 Yellow fever virus in strains of *Aedes aegypti*
 ** R01AI-12467-01 Transcription and translation of NDV RNA
 ** R01AM-06450-12 Mycoplasma, L forms and viruses in rheumatic diseases (human)
 ** R01AM-16029-01 E-B virus antibodies in connective tissue diseases
 ** R01AM-17028-01 Virologic studies of systemic lupus erythematosus (human, mice)
 ** R01AM-17050-01 Arthritis and rubella infection (human)
 ** R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
 ** R01CA-04571-16 Viruses in the pathogenesis of human tumors
 ** R01CA-05206-14 Latency and viral neoplasia (human, cell culture)
 R01CA-05619-12 Interactions in normal and malignant cell populations
 ** R01CA-05790-13 Cytology of viral neoplasms in fish
 ** R01CA-06654-12 Virus-induced neoplastic conversions
 ** R01CA-06656-12 Biochemical aspects of viral carcinogenesis
 R01CA-06709-12 Avian leukemia complex (poultry)
 R01CA-06999-11 Metabolic changes induced by tumor virus (human)
 ** R01CA-07055-12 Luche tumor associated viruses (frogs)
 ** R01CA-07139-11 Biochemical studies in polyoma transformed cells
 ** R01CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
 ** R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
 ** R01CA-07868-09 Defective Friend virus and its pseudotypes (mice)
 ** R01CA-08416-09 Control of transcription and translation in mammalian cells
 ** R01CA-08494-09 Mechanisms of viral infection in relation to cancer
 ** R01CA-08515-09 Tissue culture studies of the mammary tumor virus (human, mice)
 R01CA-08662-09 Structure of picornaviruses and leukoviruses (mice)
 ** R01CA-08731-09 Viral carcinogenesis with special reference to SV40
 R01CA-08740-08 Etiological studies of mammary carcinoma (human, mice)
 R01CA-08851-11 Viral carcinogenesis and latency
 R01CA-08930-06 Morphological conversion with leukemia viruses (mice)
 ** R01CA-08975-08 Effect of tumor virus on antigen constitution of cells (monkeys, human)
 ** R01CA-10000-08 Filterable agents and tumor induction in mice
 ** R01CA-10055-08 Interaction of viruses with host chromosomes
 ** R01CA-10137-08 Structure of virus and low molecular weight RNA
 ** R01CA-10148-08 Avian leukosis-sarcoma viruses
 ** R01CA-10197-08 Tumor induction by avian myeloblastosis virus
 R01CA-10232-06 Tumor virus proteins—Studies with specific antisera (rabbits)
 R01CA-10401-06 Immunologic studies of canine neoplasia
 ** R01CA-10467-07 Biochemical events after tumor virus infection
 ** R01CA-10594-07 Regulatory processes in tumor virus-infected cells
 ** R01CA-10641-08 RNA synthesis in animal cells infected with ME virus
 ** R01CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
 ** R01CA-10945-06 Interaction of oncogenic and non-oncogenic viruses (rabbits)
 R01CA-11027-06 Transcription and translation in poxvirus infected cells
 R01CA-11049-06 DNA replication in SV40 infected cells
 R01CA-11151-06 Maturation of RNA and DNA in tumor virus infection
 R01CA-11426-06 Structure and replication of Rous sarcoma and influenza virus (chickens)
 R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
 R01CA-11613-05 Yaba virus oncogenesis—Immunologic and viral factors (monkeys, rabbits)
 ** R01CA-11647-05 The replication of viruses
 ** R01CA-11673-05 Lysogeny and phage P1
- ** R01CA-11861-05 Control of viral RNA synthesis in herpes virus infection
 ** R01CA-11893-05 Cellular and viral control of oncogenic transformation (mice, hamsters)
 ** R01CA-11895-05 Molecular biology of tumor viruses
 ** R01CA-12055-03 EB virus (monkeys)
 ** R01CA-12068-03 Integration of SV40 DNA into mouse cell chromosomes
 R01CA-12078-03 Surface antigens of RNA tumor virus-infected cells (chickens, rabbits)
 ** R01CA-12101-04 Molecular biology of RNA cancer viruses (cats)
 ** R01CA-12323-04 Biochemistry of RNA tumor virus replication
 ** R01CA-12340-03 Mechanism of transformation by oncogenic RNA viruses
 ** R01CA-12382-03 Virus associated neoplasms (rabbits)
 ** R01CA-12472-03 Molecular mechanism of viral (SV 40) carcinogenesis
 R01CA-12557-03 SV40—Genetic analysis and oncogenic transformation
 R01CA-12561-03 Virus development and translational control
 ** R01CA-12705-03 Replication and cellular transformation (chickens)
 ** R01CA-12794-03 Viral gene function in malignant transformation (human)
 ** R01CA-12795-03 Nonspecific resistance to viral-induced tumors (mice)
 ** R01CA-12796-03 Isohemagglutinins for avian RNA tumor receptors
 ** R01CA-12895-01 Molecular mechanisms in neoplasia (chickens)
 ** R01CA-12948-03 Host range mutants of simian virus 40
 ** R01CA-13006-02 Structure and replication of tumor virus nucleic acid
 ** R01CA-13007-03 Human wart virus as an oncogenic agent
 ** R01CA-13008-03 Control of protein synthesis in viral oncogenesis
 ** R01CA-13085-03 Serologic assessment of murine and feline leukemias
 R01CA-13086-03 Identification of viruses associated with human cancer (human, mice, guinea pigs)
 R01CA-13094-03 Oncogenic transformation and the cell envelope
 R01CA-13114-03 Gene addition to mammalian cells using herpes virus
 ** R01CA-13168-03 Insertion of foreign DNA into oncogenic viral DNA
 ** R01CA-13213-03 Interactions between avian tumor viruses and their hosts
 ** R01CA-13231-03 Effects of tumorigenic adenoviruses on cells
 ** R01CA-13272-03 Defense mechanisms to Marek's disease (chickens)
 ** R01CA-13347-03 Influence of the immune system on viral tumorigenesis (chickens)
 ** R01CA-13362-03 RSV functions involved in transformation
 ** R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
 R01CA-13393-02 Reversion of properties in virus-transformed cells
 ** R01CA-13394-02 Mechanism of viral carcinogenesis (human)
 R01CA-13431-03 Herpes virus nucleic acids in human tumors
 ** R01CA-13478-03 Investigation of SV40-related infections of man
 ** R01CA-13479-03 Provirus of RNA tumor viruses (mice)
 R01CA-13494-02 Cell analysis of some virus-associated tumors of man
 ** R01CA-13506-03 Characterization of virus genomes in transformed cells
 R01CA-13628-02 Pathogenesis of virus (bovine) induced lymphosarcoma (sheep, cattle)
 ** R01CA-13722-02 Cell surface receptors for oncogenic viruses
 R01CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
 ** R01CA-13795-02 Temperature-sensitive mutants of murine sarcoma virus (mice)
 R01CA-13851-02 Hybrid cell studies of malignancy (mice, rabbits)
 ** R01CA-13865-02 Immune mechanisms in tumor protection (chickens)
 ** R01CA-13883-02 Replication of polyoma tumor-virus DNA
 ** R01CA-13884-02 Viral gene functions and regulation of cell growth
 ** R01CA-13885-01 Feline oncornaviruses-associated cell membrane antigen
 ** R01CA-13940-02 Immunogenetic study of a herpesvirus induced lymphoma (chickens, turkeys)
 R01CA-13978-02 Mammalian cell transformation by oncogenic viruses
 R01CA-14026-02 Structure and function of tumor virus DNA SV40
 ** R01CA-14100-02 The viral etiology of cancer (mice, rats)
 ** R01CA-14142-12 Cell surface biochemistry of transformed animal cells (hamsters)
 R01CA-14311-02 RNA-envelope virus formation in animal cells

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1CA-14448-02 DNA tumor viruses—Enzymology of polyoma DNA metabolism
- ** RO1CA-14517-02 Cell fusion—Mechanism and oncogenic significance
- RO1CA-14529-02 Search for leukemia viruses with a helper virus assay (mice)
- RO1CA-14530-02 Substituted SV40 DNA
- ** RO1CA-14572-02 Characterization of specific fragments of SV40 DNA
- ** RO1CA-14618-01 Growth and maturation of adeno-associated satellite viruses
- ** RO1CA-14620-02 Mechanisms of oncogenic virus gene expression (rabbits)
- ** RO1CA-14670-02 Host functions related to tumor virus infection
- ** RO1CA-14715-01 Spontaneous mouse hepatomas and latent MHV virus
- ** RO1CA-14787-01 Transcription and translation of tumor virus RNA
- RO1CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncoviruses
- RO1CA-14792-02 Radioimmunoassay of mammalian oncovirus antigens (human, rodents)
- RO1CA-14794-01 Immune response to oncogenic herpesviruses in monkeys
- ** RO1CA-14885-01 Simian virus 40 DNA replication and transformation
- ** RO1CA-14894-01 Drugs preventing oncoma virus cancers—Anthracyclines
- ** RO1CA-14935-02 Cellular alteration induced by Rous sarcoma virus
- ** RO1CA-14936-02 Role of host cells in virus induced tumors (chickens)
- ** RO1CA-14939-02 Biology of SV40 specific transplantation antigen (mice, hamsters)
- ** RO1CA-14944-02 Alterations of lymphocytes in Marek disease (chickens)
- RO1CA-14989-01 Polyoma and SV40 tumor virus DNA sequence analysis
- ** RO1CA-15038-01 Interaction of DNA tumor viruses and cell genomes
- RO1CA-15058-01 Early genes of polyoma virus and DNA replication
- ** RO1CA-15071-01 Translation products of the RNA tumor virus genome
- RO1CA-15166-01 Small RNAs of RNA tumor virus
- ** RO1CA-15168-01 Interactions of satellite phage P4 and its helper, P2
- ** RO1CA-15277-01 Immunocompetent cells in experimental leukemia (mice)
- RO1CA-15281-01 Oncogenicity of Epstein-Barr virus (human, monkeys)
- ** RO1CA-15297-01 Viral and mouse genes in leukemia virus infection
- ** RO1CA-15369-01 Immunobiology of viral leukemia and its treatment (mice)
- ** RO1CA-15464-02 The structure and replication of tumor virus RNA
- ** RO1CA-15494-02 Tolerance and immunity to avian RNA tumor viruses and VISA
- ** RO1CA-15506-02 Isolation of molluscum contagiosum virus (human)
- ** RO1CA-15512-01 RNA tumor virus structure and biogenesis
- ** RO1CA-15513-01 Basic mechanisms in viral carcinogenesis
- ** RO1CA-15557-01 Immunological activation of oncogenic virus (mice)
- ** RO1CA-15561-01 Cellular differentiation and viral oncogenesis (mice)
- ** RO1CA-15573-01 Physicochemical studies of viral nucleocapsid assembly
- ** RO1CA-15579-01 Tumor virus DNA replication—A probe into oncogenesis
- ** RO1CA-15613-01 Translation of RNA virus messengers
- ** RO1CA-15679-01 SV40 potentiation of immune responsiveness to tumors (mice)
- ** RO1CA-15722-01 Viral genes in malignant transformation
- ** RO1CA-15743-01 Oncogenic mechanisms—SV40 and host genetic analysis
- ** RO1CA-15747-01 Cellular RNA metabolism of RNA tumor viruses
- ** RO1CA-15751-01 Function of tumor virus specific non-virion proteins
- ** RO1CA-15819-01 Inhibitor of DNA polymerase in sera of tumor-bearing mice
- ** RO1CA-15941-01 Simian virus 40 DNA
- ** RO1CA-16007-01 Gene expression of oncogenic viruses
- ** RO1CA-16047-01 Viral protein in avian sarcoma virus-infected cells
- ** RO1CA-16106-01 Structural studies on proteins specified by SV40
- ** RO1CA-16115-01 Proteins in oncogenic viruses—Polyoma and SV40
- ** RO1CA-16155-01 Interactions on oncogenic viruses with mouse embryos
- ** RO1CA-16181-01 Oncogenic DNA virus transcription in vitro
- ** RO1CA-16193-01 Herpesvirus type 2—Immunity and immunoadjuvant therapy (mice)
- ** RO1CA-16252-01 Genetic and biochemical studies of MLV and MSV (mice)
- ** RO1CA-16266-01 Mechanism of AMV transcriptase
- ** RO1CA-16311-01 Membrane fucosylglycolipids in virus-induced cancer (mice)
- ** RO1CA-16329-01 Biology of the reticuloendotheliosis virus group (chickens)
- ** RO1CA-16879-01 Viral oncogenesis
- ** RO1CA-16890-01 Chemotherapeutic deoxyribonucleosides
- ** RO1CA-16902-01 Biochemistry of herpes virus-induced cell fusion
- RO1CA-16959-09 Mengovirus replication in rat hepatoma cells
- ** RO1DE-03456-03 Viruses of cariogenic streptococci
- ** RO1DE-03606-06 Morphogenesis of phage Phi 29 and its infectious DNA
- ** RO1DE-03924-01 Immunology of oral herpes simplex virus-1 infection (mice)
- RO1EY-00219-14 Prevention of trachoma (human, primates, rabbits)
- ** RO1EY-00938-03 Ocular disease of viral etiology (mice, rats)
- ** RO1FD-00086-10 Purification of hard clams from polluted waters (bacteria)
- ** RO1FD-00618-01 Food virus detection by immuno-EM
- M PO1GM-11301-12 Structure, function and biosynthesis of macromolecules
- ** RO1GM-13554-09 Structure and replication of bacterial viruses
- ** RO1GM-14711-08 Structure and replication of DNA
- ** RO1GM-17020-06 Genetic control of bacteriophage development
- RO1GM-17980-04 Bacteriophage assembly and its genetic control
- ** RO1GM-18182-03 Biochemical studies on the regulation of DNA function
- ** RO1GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
- ** RO1GM-19835-02 Ribosomes of hybrid cells and tumor virus effects (mice, hamsters)
- RO1GM-20639-02 Transcriptional controls in proviral and viral systems
- ** RO1HD-00737-10 Clinical and laboratory studies on rubella (human, ferrets, gerbils)
- ** RO1HD-01687-09 Pathogenesis of infection in human maldevelopment
- ** RO1HD-04110-04 Virus induced disorders of growth and development (mice)
- ** RO1HD-04183-04 Persistent congenital and neonatal virus infections (human)
- ** RO1HD-05828-03 Role of immunity in congenital disease (sheep)
- ** RO1HD-06819-02 Infection and childhood obstructive airway disease
- ** RO1HD-07070-02 Cytomegalovirus in the development of the CNS (human)
- ** RO1HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
- ** RO1HD-08182-05 Virus effects on the fetal nervous system (mice, swine, guinea pigs)
- ** RO1HD-08184-10 Virus-cell interaction replication and differentiation (mice)
- ** RO1HL-14305-03 Viruses in chronic cardiovascular disease (human, dogs)
- ** RO1NS-06989-08 Cellular effects of neurotropic viruses (sheep)
- ** RO1NS-08838-05 Demyelinating disease caused by virus (mice)
- ** RO1NS-10309-02 Masked and latent viruses in brain (human, monkeys)
- ** RO1NS-10590-02 Relationship of multiple sclerosis and vaccinia (human)
- RO1NS-11455-05 Herpesvirus hominis encephalitis (human, rabbits, mice)
- ** RO1NS-11782-01 Replication of the slow virus visna
- ** RO1RR-00885-01 Herpes virus vaccines in laboratory cats
- VIRULENCE MICROORGANISMS**
SEE MICROORGANISMS VIRULENCE
- VIRUS CHARACTERISTICS**
SEE ALSO VIRUS INTERACTION
- ** RO1AI-11428-01 Membranes and the action of viruses
- PO2CA-06516-12 0022 Cancer center support grant—Comprehensive - Mechanism of SV40 protection (mice)
- ** PO2CA-06516-12 0032 Cancer center support grant—Comprehensive - Characterization of endogenous Herpes virus (hamster)
- ** PO1CA-11405-06 0001 Core program on etiology of cancer - Purification of MTV and characterization
- RO1CA-13468-02 Growth potential of single lymphoma cells in mice
- PO1CA-14193-02 0001 Comparative leukemia studies unit - Morphological and antigenic characteristics of BLV (mammals, tissue culture)
- PO1CA-14193-02 0003 Comparative leukemia studies unit - Production purification and detection of BLV (human, cattle, rats)
- PO1CA-14193-02 0008 Comparative leukemia studies unit - Immunological factors in growth of RadLV lymphoma (rats)
- ** NO1CP-33265-02 Studies on avian virus proteins
- NO1CP-43395-00 Study of relationship of embryonic antigen to virus-induced
- RO1GM-21024-01 Ubeta replicase and protein synthesis T-factor
- PO1HL-06314-14 0046 Immunologic mechanisms in cardiovascular disease - Mediators of immune injury (human, animals)
- ** MO1RR-00039-14 0089 General clinical research center - Immunological and viral studies of lymph nodes in multiple sclerosis (human)
- VIRUS CHARACTERISTICS, INCOMPLETE VIRUSES**
- RO1AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)
- PO1AI-11132-03 0003 Prevention or control of arbovirus infections - Rhabdovirus epidemiology improved techniques (rodent, rabbit, human)
- VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES**
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO VIRUSES, BACTERIOPHAGE*
SEE ALSO VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)
- RO1AI-06647-08 Genetics of biosynthesis in *Staphylococcus aureus* (bacteriophage)
- RO1AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)
- RO1AI-10076-07 Mechanisms of antibiotic resistance in microorganisms (fungi, bacteria, viruses)
- RO1AI-11658-01 Polypeptide cleavage during EMC virus synthesis
- RO1AI-12052-01 Biochemical changes in adeno-infected and transformed cells
- RO1AM-15917-03 Hemoglobin production during animal development (chick embryo)
- PO2CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
- RO1CA-08936-08 Effect of chemical carcinogens on cells in vitro (human, rodents, viruses)
- RO1CA-10232-06 Tumor virus proteins—Studies with specific antisera (rabbits)
- PO1CA-10815-06 0007 Consolidated basic cancer research program - Characterize antigens of virus transformed cells (human, laboratory animals)
- PO1CA-10815-06 0008 Consolidated basic cancer research program - Isolate and characterize T antigen (human, hamsters, mice)
- PO1CA-10815-06 0011 Consolidated basic cancer research program - Cell-free SV40-induced transplantation antigen (hamsters)
- ** PO1CA-10815-06 0012 Consolidated basic cancer research program - SV40 virus-induced growth of macrophage clones (rabbits)
- PO1CA-10815-06 0016 Consolidated basic cancer research program - Characterize immune response to tumor-associated virus (amphibians, fish)
- PO1CA-10815-06 0021 Consolidated basic cancer research program - SV-40 infection mechanisms (human, mice)
- ** PO1CA-10815-06 0022 Consolidated basic cancer research program - Cellular and viral factors in integration of the viral genome (hamsters)
- ** PO1CA-10815-06 0026 Consolidated basic cancer research program - Relationship between SV40 integration and cellular DNA repair (monkeys)
- ** PO1CA-10815-06 0027 Consolidated basic cancer research program - Functions of viral genome in SV40 transformed cells (human, monkeys)
- PO1CA-10815-06 0028 Consolidated basic cancer research program - Selection of lethal mutants of SV40 (mammals)
- PO1CA-10815-06 0059 Consolidated basic cancer research program - Genetic linkage between oncoma viruses and mammalian chromosomes (human, mice)
- PO1CA-10815-06 0062 Consolidated basic cancer research program - Expression of cell surface antigens in hybrid cells (human, mice)
- PO1CA-10815-06 0064 Consolidated basic cancer research program - Tumor promoters effect on normal and transformed cells (human)
- PO1CA-10815-06 0072 Consolidated basic cancer research program - Clone cell properties-virus and chemical transformation (human, hamsters)
- PO1CA-10815-06 0080 Consolidated basic cancer research program - Viral protein in avian sarcoma virus-infected cells
- ** PO1CA-10893-06 0014 Cancer Research Center - Viral genes involved in cell transformation (monkeys, mice, hamsters)
- PO1CA-10893-06 0019 Cancer Research Center - Cancer immunology—Approaches with SV40-induced tumors (mice, hamsters, human)
- PO1CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
- PO1CA-11405-06 0003 Core program on etiology of cancer - Early stages of replication and transformation by MTV (mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** PO1CA-11405-06 0015 Core program on etiology of cancer - Detection of virus induced gene mutations (mice, hamsters)
 RO1CA-11426-06 Structure and replication of Rous sarcoma and influenza virus (chickens)
 ** RO1CA-11893-05 Cellular and viral control of oncogenic transformation (mice, hamsters)
 PO1CA-12093-04 0007 Immunobiology of cancer - Viral oncology and immunology (hamster, human, chick embryo)
 ** PO1CA-12174-04 0020 Growth and cell control processes - Turnover of surface components in normal and transformed cells (chickens)
 ** PO1CA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
 RO1CA-12370-04 Cellular function in cancer and viral transformation (mice)
 RO1CA-12426-03 Membrane changes caused by tumor virus transformation (cell lines)
 ** PO1CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
 RO1CA-12741-03 Effect of virus-induced transformation on tRNA (mice, virus)
 PO2CA-13053-03 0089 Clinical cancer radiation therapy research center - Permanent cell lines with defined biochemical properties (human, tissue culture)
 PO1CA-13106-03 0002 Cold Spring Harbor laboratory cancer research center - DNA replication section (bacteria, viruses)
 ** PO1CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
 PO1CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
 PO1CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
 RO1CA-13138-03 Surface proteins of normal and transformed cells (chick embryo)
 PO2CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
 PO2CA-13148-03 0020 Pilot cancer center - Immunology of chronic viral infections
 PO2CA-13148-03 0021 Pilot cancer center - Possible role of coinfection in cancer production
 PO1CA-13330-03 0022 Cancer research program - Effect of pH on cellular growth and function (human, mice, hamsters)
 ** PO1CA-13330-03 0023 Cancer research program - Virus-host cell interaction
 PO1CA-13330-03 0029 Cancer research program - Cyclic AMP in normal and malignant cells (rabbits, monkeys, human)
 ** PO1CA-13330-03 0042 Cancer research program - Avian myeloblastosis reverse transcriptase (mice, human)
 PO1CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
 PO1CA-13330-03 0046 Cancer research program - Replication of YSV in Friend virus-infected mouse cells
 ** PO1CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
 ** RO1CA-13393-02 Reversion of properties in virus-transformed cells
 RO1CA-13394-02 Mechanism of viral carcinogenesis (human)
 RO1CA-13513-03 Surface properties of virally transformed and revertant cells (mice)
 RO1CA-13608-03 Function of viral genes involved in transformation (rodents)
 RO1CA-13639-03 Biochemistry of chromosome function in man
 RO1CA-14011-02 Cell lines from persons with high risk of cancer
 ** PO1CA-14097-02 0002 Cancer research program - Viruses; control mechanisms - Structure and function of small RNA-containing viruses
 ** PO1CA-14097-02 0003 Cancer research program - Viruses; control mechanisms - Chemistry and biology of plant virus replication and mutation
 PO1CA-14097-02 0004 Cancer research program - Viruses; control mechanisms - Ultrastructure of viruses, nucleic acids, enzymes
 PO1CA-14097-02 0005 Cancer research program - Viruses; control mechanisms - Structure and replication of cytidial and RNA tumor viruses
 ** PO1CA-14097-02 0007 Cancer research program - Viruses; control mechanisms - Biochemical and genetic studies on temperate phages
 ** PO1CA-14097-02 0011 Cancer research program - Viruses; control mechanisms - Tumor virus transformation - Tissue homeostasis (mammals)
 ** PO1CA-14097-02 0012 Cancer research program - Viruses; control mechanisms - Tumor virus transformation - mRNA synthesis (mammals)
 ** PO1CA-14195-01 0004 Core grant-Regulation, the cell membrane and cancer - Function of viral and cellular genes (tissue culture)
 ** PO1CA-14195-01 0011 Core grant-Regulation, the cell membrane and cancer - Effect of cell transformation on differentiated cell function
 ** PO1CA-14195-01 0023 Core grant-Regulation, the cell membrane and cancer - Viral gene functions involved in transformation (tissue culture)
 ** PO1CA-14195-01 0024 Core grant-Regulation, the cell membrane and cancer - Cell surface proteins of polyoma virus and SV40 transformed cells (hamsters)
 ** PO1CA-14195-01 0025 Core grant-Regulation, the cell membrane and cancer - Regulation of antibody synthesis (cattle)
 PO1CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
 RO1CA-14630-02 Turnover of ribosomal RNA in virus transformed cells
 PO1CA-14733-02 0018 Control of gene expression, virus replication and cell growth - Ribonuclease activity and TTP synthesis (rats)
 ** RO1CA-14828-01 0001 Molecular mechanisms in carcinogenesis - In vitro transformation of mammalian cells
 RO1CA-15149-01 The DNA-transfer method of virus rescue
 RO1CA-15166-01 Small RNAs of RNA tumor virus
 RO1CA-15543-01 Structure of glycolipids in oncogenic cells (mice)
 ** PO1CA-15655-01 0004 Cancer center support grant - Host variables in response to herpes and mitogens (human)
 ** PO1CA-15655-01 0019 Cancer center support grant - Genetic control of tumor virus infection and cell transformation (mammals)
 PO1CA-15655-01 0031 Cancer center support grant - Marine environment program
 PO1CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
 PO1CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)
 M PO1CA-16038-01 Program on the molecular basis of viral transformation
 ** PO1CA-16038-01 0004 Program on the molecular basis of viral transformation - Viral genetic information in SV40 transformed cells (human, monkeys, mice)
 ** PO1CA-16038-01 0006 Program on the molecular basis of viral transformation - Host and viral factors in oncogenesis by EB virus (human, mammals)
 RO1CA-16106-01 Structural studies on proteins specified by SV40
 ** PO1CA-16127-01 0012 Cancer Research and Treatment Center Program - Cell surface in oncogenic virus-transformed mammalian cells
 RO1CA-16367-01 Lymphocytes-Gene expression and activation events (rabbits)
 MO1CP-33211-02 Molecular events in transformation by RNA oncogenic viruses (human, animals)
 MO1CP-33212-04 Viruses and experimental oncogeneses and human cancer (animals)
 ** MO1CP-33332-01 Hormonal control of gene expression (mammals nonhuman)
 ** MO1CP-43207-00 Spontaneous and virus induced neoplastic transformation (human, cats)
 MO1CP-43214-00 Latent virus infection and transmission of C-type particles (monkeys, human)
 MO1CP-43217-00 Biohazards control and containment in oncogenic virus research
 MO1CP-43219-00 Molecular and genetic studies of Rous sarcoma virus
 ** MO1CP-43236-00 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
 MO1CP-43238-00 Selection and propagation of haploid and partial monosomic cell lines (mice)
 MO1CP-43240-00 Roles of viruses and chemical in the etiology of cancer
 MO1CP-43241-00 Virus-induced tumor specific transplantation antigens (mice)
 MO1CP-43242-00 Conditioned lethal mutant of RNA tumor viruses
 ** MO1CP-43251-00 Viral transformation and chromosomal aberrations in human tumors
 ** MO1CP-43299-00 Cells transformed by DNA and RNA tumor viruses
 ** MO1CP-43318-00 Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals)
 ** MO1CP-43355-00 Conduct studies of nonsense suppressor of 3T3 cells (mice)
 MO1CP-81030-11 Etiology and epidemiology of human cancer
 MO1CP-92014-07 Virus-induced tumor specific transplantation antigens (mice)
 ** PO1GM-06965-15 0022 Basic experimental biology - Sindbis virus-induced host cell plasma membrane conversion (chick embryo)
 PO1GM-06965-15 0079 Basic experimental biology - Ionic strength and adsorption of sindbis virus to cells
 PO1GM-06965-15 0080 Basic experimental biology - Plasma membrane from infected fibroblasts
 PO1GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
 ** RO1GM-17892-04 Regulation of bacterial metabolism
 ** RO1GM-18277-04 Action mechanism of arabinose C protein (bacteria)
 ** RO1GM-19670-02 Transcription and translation regulatory signals (E coli)
 RO1GM-20287-02 RNA synthesis and the expression of genes (mice, sea urchins, frogs)
 RO1GM-20396-02 Organization of normal and transformed cell membranes
 PO1HD-08315-01 0006 Biochemical, genetic and other studies in retardation - Transducing phage in the correction of human genetic disease
VIRUS COMPONENTS
 RO1AI-01466-18 Structure of biological macromolecules (viruses)
 RO1AI-10947-03 0001 Metabolism of cells infected with nuclear DNA viruses - Nonstructural sulfated glycoproteins
 RO1AI-11428-01 Membranes and the action of viruses
 RO1AI-11573-02 Biophysical studies of virus assembly
 RO1AI-11788-04 Responses to rubella virion and subunit vaccines (human, monkeys, rabbits)
 ** RO1AI-11855-01 Molecular structure of RNA viruses (R17 phage, turnip yellow mosaic virus)
 PO1CA-11405-06 0001 Core program on etiology of cancer - Purification of MTV and characterization
 PO1CA-11405-06 0002 Core program on etiology of cancer - Morphogenesis of MTV in cell culture (human)
 PO1CA-11405-06 0008 Core program on etiology of cancer - Characterization of mammary tumor virus in human milk and tissues
 RO1CA-13722-02 Cell surface receptors for oncogenic viruses
 PO1CA-14097-02 0004 Cancer research program - Viruses; control mechanisms - Ultrastructure of viruses, nucleic acids, enzymes
 M PO1GM-10403-12 Biophysical studies on viral structure and function
 ** PO1GM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
 RO1GM-17855-05 Inelastic light scattering of viruses and cells (E coli, bacteriophage)
 RO1GM-18776-03 Bacteriophage T4 morphogenesis and packing of DNA
VIRUS COMPONENTS, CAPSID AND ENVELOPE
 RO1AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
 R22A-05920-12 Togavirus replication in insect and vertebrate cells
 RO1AI-07140-09 Translation and replication of RNA containing viruses
 ** RO1AI-08368-07 Viral-modified membranes in virus maturation
 RO1AI-08427-06 The physical structure of viruses
 RO1AI-08722-06 Molecular studies on phage P2 and its satellite, P4
 ** RO1AI-09044-06 Phi X 174 coat proteins
 RO1AI-09465-05 Bacterial cell membrane role in growth and cell division (also yeast)
 RO1AI-09765-05 Mechanism of infection of insect viruses (lepidopteral)
 RO1AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
 RO1AI-10132-04 Replication and encapsidation of reovirus RNA
 RO1AI-10429-03 Virus-cell and virus-antibody interaction
 ** RO1AI-10733-03 Molecular basis of viral and cellular membrane fusion (mice)
 RO1AI-10793-03 Genetic analysis of Sindbis virus
 RO1AI-10828-03 Poxvirus biochemistry and synthetic virus particles
 ** RO1AI-10902-06 Synthesis and function of organized elements in cells (E coli)
 ** RO1AI-10996-02 Respiratory syncytial virus assembly and maturation
 RO1AI-11112-08 Cellular resistance to viral infection
 RO1AI-11658-01 Polypeptide cleavage during EMC virus synthesis
 RO1AI-11676-01 Phage T4 head assembly and initiation of infection
 RO1AI-11863-01 Molecular mechanisms in the assembly of viruses (T4 phage, E coli)
 ** RO1AI-11877-01 Biochemical analysis of viral envelope proteins
 RO1AI-12053-01 Mechanisms of viral eclipse and assembly
 RO1AM-09970-09 Biochemistry of complex carbohydrates (viruses, earthworm)
 RO1CA-06654-12 Virus-induced neoplastic conversions
 ** RO1CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
 ** PO2CA-08480-09 0009 Childhood cancer research center - Studies of herpes virus (frogs, rabbits)
 RO1CA-08662-09 Structure of picornaviruses and leukoviruses (mice)
 ** PO1CA-08748-09 6904 Research program of Sloan-Kettering Institute - Structure of picornavirus virions (encephalomyocarditis)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- PO1CA-10815-06 0068 Consolidated basic cancer research program - Role of sterols in membrane synthesis of RNA viruses
- RO1CA-10945-06 Interaction of oncogenic and non-oncogenic viruses (rabbits)
- PO1CA-11405-06 0003 Core program on etiology of cancer - Early stages of replication and transformation by MTV (mice)
- RO1CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
- RO1CA-11647-05 The replication of viruses
- PO1CA-12174-04 0004 Growth and cell control processes - Gene order of the poliovirus capsid proteins
- PO1CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
- RO1CA-13431-03 Herpes virus nucleic acids in human tumors
- RO1CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
- PO1CA-14193-02 0001 Comparative leukemia studies unit - Morphological and antigenic characteristics of BLV (mammals, tissue culture)
- PO1CA-14193-02 0008 Comparative leukemia studies unit - Immunological factors in growth of RadLV lymphoma (rats)
- PO2CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
- RO1CA-15370-01 Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- RO1CA-15573-01 Physicochemical studies of viral nucleocapsid assembly
- RO1CA-15630-01 Surface glycoproteins of normal and transformod cells (chick embryo, viruses)
- PO1CA-16038-01 0009 Program on the molecular basis of viral transformation - SV40 proteins
- PO1CA-16038-01 0013 Program on the molecular basis of viral transformation - Regulation of cell division and DNA synthesis by parvovirus structural proteins
- PO1GM-10403-12 0010 Biophysical studies on viral structure and function - Capsid-polyhead subunits
- RO1GM-12607-10 Protein structure and biological function (human, microorganisms, mice)
- RO1GM-13280-11 Investigation of genetic problems with bacteriophages
- RO1GM-19079-03 0003 One MEV scanning transmission electron microscope - Coalescence of large, well ordered aggregates (viruses)
- RO1GM-19097-03 Membrane structural protein of vesicular stomatitis virus
- RO1GM-21340-01 Molecular control of capsid form in Bacteriophage T4
- RO1NS-11129-02 Morphology of chronic viral infections of the brain (human, monkeys, hamsters)
- VIRUS COMPONENTS, CORE**
- RO1AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
- PO1AI-07007-09 0013 Immunopathologic studies - Autoimmunogenic properties of SLV (mice)
- RO1AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
- RO1AI-10793-03 Genetic analysis of Sindbis virus
- RO1AI-10845-20 Virus structure and growth in cultured cells
- RO1AI-11788-04 Responses to rubella virion and subunit vaccines (human, monkeys, rabbits)
- RO1AI-11839-02 Molecular biology of vaccinia virus replication
- PO1AI-11851-01 0009 Biology and biochemistry of lymphocyte surface - Virus-lymphocyte interactions (mice)
- RO1AI-11886-01 Genetic and biochemical analysis of the interferon system (viruses)
- PO2CA-06519-12 0096 Radiation therapy and biology research program - Relationship between phi-X174 and S.13
- PO2CA-07177-11 0011 Clinical cancer research center - Beta particle budding in human breast tissue
- PO1CA-08748-09 6523 Research program of Sloan-Kettering Institute - Intracytoplasmic type A particles concentrated from mammary carcinoma (mice)
- PO1CA-08748-09 6707 Research program of Sloan-Kettering Institute - Multiplication of reovirus temperature-sensitive mutants
- PO1CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
- PO1CA-12923-02 0002 A correlated study on the biology of neoplasia - Stimulation of DNA synthesis by SV-40 (mice)
- RO1CA-13114-03 Gene addition to mammalian cells using herpes virus
- PO1CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
- PO1CA-14193-02 0010 Comparative leukemia studies unit - Virion proteins
- PO1CA-14193-02 0011 Comparative leukemia studies unit - Characterization of viral nucleic acids
- RO1CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- PO1CA-14733-02 0004 Control of gene expression, virus replication and cell growth - Transcription in interferon-induced antiviral activity (chickens, mice)
- PO1CA-14801-02 0007 Chemotherapy and regulation of oncogenic viruses - EM of virus in witch's milk from nursing infants (human, monkeys)
- PO2CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
- RO1CA-15751-01 Function of tumor virus specific non-virion proteins
- PO1CA-16038-01 0005 Program on the molecular basis of viral transformation - Isolation and purification of interferon (mice)
- RO1CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
- NO1CP-33339-02 Human milk and mammary tumors (chickens)
- NO1CP-43298-00 Regulatory proteins in oncogenic viruses
- NO1CP-43359-01 Study of oncogenesis
- PO1HD-03015-08 0021 Program for developmental biology - Control mechanisms in normal and virus infected mammalian cells (human)
- VIRUS DEVELOPMENT (INCLUDES DEVELOPMENTAL STAGE)**
- RO1AI-11323-02 Regulation of development of bacteriophage SP01 (bacteria)
- RO1AI-11573-02 Biophysical studies of virus assembly
- PO1CA-08748-09 6522 Research program of Sloan-Kettering Institute - Concentration and purification of murine leukemia virus (Friend virus)
- NO1CP-33368-01 Immunogenetic studies on breast cancer and leukemia (mice, human)
- RO1GM-21253-01 Molecular genetics of morphogenic pathways (virus, yeast)
- VIRUS DEVELOPMENT, PROVIRUS**
- SEE ALSO VIRUSES, BACTERIOPHAGE, PROPHAGE*
- RO1AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
- RO1CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)
- RO1CA-13479-03 Provirus of RNA tumor viruses (mice)
- PO1CA-14051-02 0001 Center for cancer biology at MIT - Cancer virology (monkeys)
- PO1CA-14801-02 0008 Chemotherapy and regulation of oncogenic viruses - Chromosomal protein-Changes associated with oncovirus infection
- PO1CA-14801-02 0009 Chemotherapy and regulation of oncogenic viruses - Sequences in nucleic acids of RNA tumor viruses
- PO1CA-16038-01 0011 Program on the molecular basis of viral transformation - Host-dependent herpesvirus mutants
- RO1GM-20639-02 Transcriptional controls in proviral and viral systems
- VIRUS DEVELOPMENT, REPLICATION**
- SEE ALSO NUCLEIC ACIDS SYNTHESIS
- RO1AI-00536-21 Reproduction and mutation of tobacco mosaic virus
- RO1AI-01725-17 Biochemistry of animal virus multiplication
- RO1AI-02031-16 Biochemistry of fowpox replication and hyperplasia
- RO1AI-02032-17 Nucleic acids of herpesvirus infected cells (hamsters)
- RO1AI-03093-15 Staphylococcal and staphylophage genetics
- RO1AI-03242-13 0001 Genetics, structure, and function of bacterial pili - Infectious transfer and replication of sex viruses (bacteria, bacteriophage)
- RO1AI-03242-13 0003 Genetics, structure, and function of bacterial pili - Control of infectious drug resistance (bacteria, bacteriophage)
- RO1AI-03445-15 Virus induced alterations in animal cells
- RO1AI-03874-14 Measles virus or other virus infections (rabbits, mice, monkeys)
- RO1AI-04043-13 Genetic studies of phage-prophage interactions
- RO1AI-04509-13 Biochemical genetic studies of virus multiplication
- RO1AI-04886-12 Virus growth and genetics (bacteriophage)
- RO1AI-05103-11 Physiological studies of bacterial growth (and viruses, fungi)
- RO1AI-05231-10 Synthesis of viral and gammaglobulin proteins
- RO1AI-05343-11 Multiplication of paramyxoviruses
- RO1AI-05367-12 Gene interaction in bacteria and phage
- RO1AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
- RO1AI-05722-11 Replication of the DNA of T-even bacteriophages
- RO1AI-05855-11 Growth and recombination in bacteriophage
- R22AI-05920-12 Togavirus replication in insect and vertebrate cells
- RO1AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- RO1AI-06264-10 Cellular resistance to virus infections
- RO1AI-06336-10 Chemistry of phage invasion, structure and assembly
- RO1AI-06429-09 Genetic evolution of bacteriophage
- RO1AI-06814-09 Electron microscopy of virus-host interactivity
- RO1AI-06844-09 Biosynthesis of viral RNAs
- RO1AI-06862-09 Molecular mechanisms of virus replication
- RO1AI-068675-08 Growth of T4R11 coliphage on Escherichia coli K12
- RO1AI-07140-09 Translation and replication of RNA containing viruses
- RO1AI-07255-08 Propagative circulative virus transmission by insects
- RO1AI-07471-08 Equine infectious anemia (horses)
- RO1AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
- RO1AI-08161-07 Replication and recombination in bacterial viruses
- RO1AI-08230-07 Enzymology of normal and virus infected bacteria
- RO1AI-08238-08 Biochemical studies of arbovirus multiplication
- RO1AI-08368-07 Viral-modified membranes in virus maturation
- RO1AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
- RO1AI-08573-07 0003 Genetics of lambda prophage - Phage growth on hosts
- RO1AI-08697-06 The role of mononuclear leucocytes in viral immunity (human, mice, rabbits)
- RO1AI-08722-06 Molecular studies on phage P2 and its satellite, P4
- RO1AI-08738-06 Control mechanisms in phage-host cell interactions
- RO1AI-08831-06 Origin of pandemic influenza viruses (birds, swine)
- RO1AI-08909-06 Macromolecular synthesis in virus infected cells (chick embryo)
- RO1AI-09100-05 Mammalian cell response to diphtheria toxin (human, mice, chicken)
- RO1AI-09118-06 Pathogenicity of EMC virus (mice, monkey, swine)
- RO1AI-09312-05 Host-cell interaction of animal viruses
- RO1AI-09476-06 Slow virus infections-Immunologic and viral studies (mink, mice)
- RO1AI-09706-04 Rabies and rabies virus antigens (rodents)
- RO1AI-09736-05 Replication of phi-X-174 bacteriophage
- RO1AI-09882-03 Role of host cell proteins in synthesis of virus DNA
- RO1AI-10019-04 Rex, a lambda gene not subject to cl repression (bacteriophage)
- RO1AI-10097-04 Structure of myxoviruses and oncoviruses
- RO1AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
- RO1AI-10132-04 Replication and encapsidation of reovirus RNA
- RO1AI-10252-04 Varicella-Epidemiology and pathogenesis (human, monkeys)
- RO1AI-10326-04 Genetic and biochemical studies of Reovirus
- RO1AI-10339-03 Vaccinia virus immune mechanisms (monkey, rabbits)
- RO1AI-10424-03 Polyamines in cellular metabolism and function (microorganisms, mice, algae)
- RO1AI-10430-03 Molecular basis for the attenuation of poliovirus
- RO1AI-10526-03 Role of lymphocytes in human viral infections (and mice)
- RO1AI-10612-04 Studies on the nature of arenaviruses
- RO1AI-10692-03 Transcription and replication of animal RNA viruses
- PO1AI-10702-03 0002 Cell biology of lymphoid cells - Cell replication, immunoglobulins, transplantation antigens (human, mice)
- RO1AI-10793-03 Genetic analysis of Sindbis virus
- RO1AI-10843-03 Molecular biology of adeno-associated virus
- RO1AI-10883-03 Herpes virus replication in synchronized cell cultures
- RO1AI-10884-03 Influenza virus structure, biosynthesis, and assembly
- RO1AI-10902-06 Synthesis and function of organized elements in cells (E coli)
- RO1AI-10947-03 0001 Metabolism of cells infected with nuclear DNA viruses - Nonstructural sulfated glycoproteins
- RO1AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)
- RO1AI-10947-03 0003 Metabolism of cells infected with nuclear DNA viruses - Genome of human cytomegalovirus
- RO1AI-10996-02 Respiratory syncytial virus assembly and maturation
- RO1AI-10997-01 Pathogenesis of cytomegalovirus infection (monkeys, human)
- RO1AI-10999-02 Resistance to intracellular bacterial infection
- RO1AI-11127-02 Control mechanisms in paramyxovirus replication

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

- ** R01AI-11192-02 Infection of mosquitoes-Arboviruses
- R01AI-11263-02 Sindbis virus growth and alteration of cell membranes
- R01AI-11265-02 Etiology of viral hepatitis (human, goats, guinea pigs)
- R01AI-11270-01 Interferon-Production and action in single cells
- R01AI-11301-02 Protein synthesis in T-4 bacteriophage-infected cells (E coli)
- R01AI-11323-02 Regulation of development of bacteriophage SP01 (bacteria)
- ** R01AI-11344-02 Phage-host interactions and control of phage growth
- R01AI-11377-01 Structure and replication of enveloped RNA viruses
- ** R01AI-11427-01 Virus replication and transformation
- R01AI-11641-01 Influenza viral RNA and protein synthesis in vitro
- ** R01AI-11658-01 Polypeptide cleavage during EMC virus synthesis
- ** R01AI-11722-01 Rhabdovirus transcription and replication
- R22AI-11751-01 Complement activation in hemorrhagic shock syndrome (human)
- ** R01AI-11772-01 Replication of influenza virus (rabbits)
- R01AI-11823-01 Synthetic neuraminidase substrates
- ** R01AI-11839-02 Molecular biology of vaccinia virus replication
- ** R01AI-11863-01 Molecular mechanisms in the assembly of viruses (T4 phage, E coli)
- R01AI-11886-01 Genetic and biochemical analysis of the interferon system (viruses)
- ** R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
- ** R01AI-12053-01 Mechanisms of viral eclipse and assembly
- ** R22AI-12078-01 Arbovirus replication in mosquitoes cell culture
- ** R01AI-12242-01 Replication and host range specificity of LD virus (mice)
- ** R01AI-22518-03 Research antiviral substances and animal systems
- ** R01AI-42524-00 Research antiviral substances and animal systems
- R01AI-42542-00 Development of 'An in vitro assay of attenuation of live influenza viruses'
- R01AM-04842-13 Endocrine regulation of protein synthesis (rats, viruses)
- ** P01CA-02332-20 0011 Clinical and laboratory studies of normal and abnormal growth - Q-B replicating system
- ** R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
- R01CA-05206-14 Latency and viral neoplasia (human, cell culture)
- P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- ** R01CA-05619-12 Interactions in normal and malignant cell populations
- R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
- R01CA-06709-12 Avian leukosis complex (poultry)
- ** P02CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
- R01CA-06999-11 Metabolic changes induced by tumor virus (human)
- R01CA-07055-12 Lucke tumor associated viruses (frogs)
- ** P01CA-07175-11 0015 Cancer research at the McArdle laboratory - Initiation and patterns of transcription during virus development
- P01CA-07175-11 0016 Cancer research at the McArdle laboratory - Carcinogenesis by RNA viruses (rats, mice, chickens)
- ** P02CA-08480-09 0006 Childhood cancer research center - Multiplication and genetics of myxoviruses (chickens)
- P02CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Lucke tumor (frogs)
- ** P02CA-08480-09 0011 Childhood cancer research center - Transspecies replication of Moloney murine sarcoma virus (hamsters)
- ** R01CA-08494-09 Mechanisms of viral infection in relation to cancer
- R01CA-08515-09 Tissue culture studies of the mammary tumor virus (human, mice)
- R01CA-08662-09 Structure of picornaviruses and leukoviruses (mice)
- R01CA-08740-08 Etiological studies of mammary carcinoma (human, mice)
- ** P01CA-08748-09 6521 Research program of Sloan-Kettering Institute - Morphology of herpes simplex and cytomegalovirus in WI38 cells
- P01CA-08748-09 6703 Research program of Sloan-Kettering Institute - RNA protein synthesis in influenza virus-infected canine kidney cells
- ** P01CA-08748-09 6706 Research program of Sloan-Kettering Institute - Protein synthesis and viral replication in Sendai virus-infected cells (cattle)
- ** P01CA-08748-09 6707 Research program of Sloan-Kettering Institute - Multiplication of reovirus temperature-sensitive mutants
- R01CA-08851-11 Viral carcinogenesis and latency
- R01CA-08930-06 Morphological conversion with leukemia viruses (mice)
- R01CA-10148-08 Avian leukosis-sarcoma viruses
- R01CA-10197-08 Tumor induction by avian myeloblastosis virus
- R01CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- R01CA-10467-07 Biochemical events after tumor virus infection
- P01CA-10748-07 0010 Cancer chemotherapy program - Antiviral activity of 5-iodo-2'-deoxyuridine (human, mice, hamsters)
- R01CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
- P01CA-10815-06 0028 Consolidated basic cancer research program - Selection of lethal mutants of SV40 (mammals)
- P01CA-10815-06 0029 Consolidated basic cancer research program - Regulation and transcription of free and integrated SV40 genome (monkeys)
- P01CA-10815-06 0036 Consolidated basic cancer research program - Phylogenetic range of naturally occurring oncoviruses (reptiles)
- ** P01CA-10815-06 0068 Consolidated basic cancer research program - Role of sterols in membrane synthesis of RNA viruses
- P01CA-10815-06 0080 Consolidated basic cancer research program - Viral protein in avian sarcoma virus-infected cells
- P01CA-10893-06 0015 Cancer Research Center - Study of human papilloma
- R01CA-10945-06 Interaction of oncogenic and non-oncogenic viruses (rabbits)
- ** R01CA-11027-06 Transcription and translation in poxvirus infected cells
- R01CA-11049-06 DNA replication in SV40 infected cells
- P01CA-11405-06 0001 Core program on etiology of cancer - Purification of MTV and characterization
- ** P01CA-11405-06 0002 Core program on etiology of cancer - Morphogenesis of MTV in cell culture (human)
- ** P01CA-11405-06 0003 Core program on etiology of cancer - Early stages of replication and transformation by MTV (mice)
- ** P01CA-11405-06 0004 Core program on etiology of cancer - Pathway of MTV from intestine to mammary gland (mice)
- ** P01CA-11405-06 0006 Core program on etiology of cancer - Anti-reverse transcriptase effect of streptoviricins and derivatives
- ** P01CA-11405-06 0007 Core program on etiology of cancer - Morphogenesis of Simian mammary tumor virus (also human)
- P01CA-11405-06 0008 Core program on etiology of cancer - Characterization of mammary tumor virus in human milk and tissues
- ** P01CA-11405-06 0011 Core program on etiology of cancer - Alternate cell culture to increase virus production (human, rats, hamsters)
- ** P01CA-11405-06 0018 Core program on etiology of cancer - Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human)
- ** R01CA-11426-06 Structure and replication of Rous sarcoma and influenza virus (chickens)
- R01CA-11427-05 Virus in relation to C57BL mouse thymoma
- R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
- R01CA-11613-05 Yaba virus oncogenesis-Immunologic and viral factors (monkeys, rabbits)
- ** R01CA-11647-05 The replication of viruses
- ** R01CA-11992-13 Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey)
- M P01CA-12174-04 Growth and cell control processes
- P01CA-12174-04 0005 Growth and cell control processes - Defective interfering particles of poliovirus
- ** P02CA-12197-03 0009 Multidisciplinary oncology research center - Viruses associated with amphibian neoplasms
- ** R01CA-12308-03 Isolation of animal cells containing suppressor tRNAs (hamsters, rabbits)
- ** R01CA-12323-04 Biochemistry of RNA tumor virus replication
- ** R01CA-12382-03 Virus associated neoplasms (rabbits)
- ** R01CA-12561-03 Virus development and translational control
- ** P01CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
- R01CA-12607-03 Mechanisms of cytoplasmic division (bacteria, toads)
- R01CA-12689-03 Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, huma)
- ** R01CA-12705-03 Replication and cellular transformation (chickens)
- ** R01CA-13006-02 Structure and replication of tumor virus nucleic acid
- P01CA-13095-03 0004 Virology, immunobiology and biochemistry of renal cancer - Establish tissue and serum bank (human, mammals nonhuman)
- R01CA-13213-03 Interactions between avian tumor viruses and their hosts
- R01CA-13231-03 Effects of tumorigenic adenoviruses on cells
- ** P01CA-13330-03 0016 Cancer research program - Lymphocyte cell-mediated immunity in cancer (human, mice)
- P01CA-13330-03 0039 Cancer research program - Interaction of oncogenic viruses (human, monkeys, hamsters)
- ** P01CA-13330-03 0046 Cancer research program - Replication of VSV in Friend virus-infected mouse cells
- P01CA-13330-03 0053 Cancer research program - Interaction of a picorna virus with cultured lymphocytes (human)
- R01CA-13506-03 Characterization of virus genomes in transformed cells
- ** R01CA-13795-02 Temperature-sensitive mutants of murine sarcoma virus (mice)
- ** R01CA-13851-02 Hybrid cell studies of malignancy (mice, rabbits)
- ** R01CA-13883-02 Replication of polyoma tumor-virus DNA
- R01CA-13978-02 Mammalian cell transformation by oncogenic viruses
- P01CA-14097-02 0002 Cancer research program-Viruses; control mechanisms - Structure and function of small RNA-containing viruses
- ** P01CA-14097-02 0003 Cancer research program-Viruses; control mechanisms - Chemistry and biology of plant virus replication and mutation
- P01CA-14097-02 0005 Cancer research program-Viruses; control mechanisms - Structure and replication of cytoskeletal and RNA tumor viruses
- ** P01CA-14193-02 0002 Comparative leukemia studies unit - Tissue culture studies on the replication of BLV
- ** P01CA-14193-02 0003 Comparative leukemia studies unit - Production purification and detection of BLV (human, cattle, rats)
- P01CA-14193-02 0009 Comparative leukemia studies unit - Detection of RødLV or genome in lymphoma (tissue culture, rats)
- P01CA-14193-02 0013 Comparative leukemia studies unit - Status of the viral genome (cattle, rats)
- P01CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
- R01CA-14517-02 Cell fusion-Mechanism and oncogenic significance
- P01CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Abnormal viral DNA replication
- R01CA-14670-02 Host functions related to tumor virus infection
- M P01CA-14733-02 Control of gene expression, virus replication and cell growth
- ** P01CA-14733-02 0005 Control of gene expression, virus replication and cell growth - Viral-resistant mutants of cultured mouse cells
- ** P01CA-14733-02 0020 Control of gene expression, virus replication and cell growth - Molecular mechanisms of virus replication
- ** P01CA-14733-02 0022 Control of gene expression, virus replication and cell growth - Mechanisms of interferon action and viral protein synthesis
- P01CA-14733-02 0023 Control of gene expression, virus replication and cell growth - Protein-nucleic acid interactions (mammals)
- R01CA-14787-01 Transcription and translation of tumor virus RNA
- ** R01CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncoviruses
- R01CA-14935-02 Cellular alteration induced by Rous sarcoma virus
- ** R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)
- P02CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
- R01CA-15281-01 Oncogenicity of Epstein-Barr virus (human, monkeys)
- R01CA-15297-01 Viral and mouse genes in leukemia virus infection
- ** R01CA-15464-02 The structure and replication of tumor virus RNA
- ** R01CA-15506-02 Isolation of molluscum contagiosum virus (human)
- R01CA-15512-01 RNA tumor virus structure and biogenesis
- R01CA-15573-01 Physicochemical studies of viral nucleocapsid assembly
- P01CA-15655-01 0004 Cancer center support grant - Host variables in respons. to herpes and mitogens (human)
- ** P01CA-15823-01 0006 Program in developmental biology of cancer - Structure and replication of oncoviruses
- ** P01CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)
- R01CA-15941-01 Simian virus 40 DNA
- ** P01CA-16038-01 0001 Program on the molecular basis of viral transformation - Immunological activation of oncogenic virus (mice)

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 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

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 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- P01CA-16038-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
- ** P01CA-16038-01 0013 Program on the molecular basis of viral transformation - Regulation of cell division and DNA synthesis by parvovirus structural proteins
- R01CA-16047-01 Viral protein in avian sarcoma virus-infected cells
- ** P01CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
- ** R01CA-16251-01 Mouse leukemia and autoimmunity-Host-virus relations (mice)
- R01CA-16329-01 Biology of the reticuloendotheliosis virus group (chickens)
- ** P01CA-16359-01 0007 Cancer center support grant - Parvovirus replication
- ** R01CA-16959-09 Mengovirus replication in rat hepatoma cells
- ** N01CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- N01CP-23237-02 B-type particles from human milk in Israel
- N01CP-23249-06 Production of oncogenic or potentially oncogenic viruses
- ** N01CP-33258-02 Replication of oncogenic RNA viruses and relation to human cancer
- N01CP-33293-03 Study role of virion-associated DNA polymerase
- N01CP-33311-02 Molecular basis of viral carcinogenesis (chick embryo, human, mammals)
- ** N01CP-33346-02 Leukemia studies in the cat (and dogs)
- ** N01CP-33355-01 Purification and characterization of viruses
- ** N01CP-43212-00 Structure and replication of murine and avian tumor viruses
- N01CP-43359-01 Study of oncogenesis
- N01CP-43380-00 Host restriction of Friend Leukemia Virus
- N01CP-43388-00 Type-C viruses in relation to oncogenic potential (human, animals)
- N01CP-50053-18 Human breast cancer studies
- R01ES-00839-01 Nitrogen dioxide induced alterations in lung macrophage function
- R01EY-00773-03 Ocular Herpes simplex keratitis (rabbits)
- R01FD-00153-08 Fish spoilage and related bacteria (human, cattle)
- R01GM-05365-17 Biological investigations with isotopes
- R01GM-10717-12 Nucleic acid metabolism of mammalian cells in culture
- R01GM-10819-12 Genetic control of macromolecular cell structures (grains, viruses, fungi)
- P01GM-11301-12 0002 Structure, function and biosynthesis of macromolecules - Control mechanism in synthesis of macromolecules (Blastocladiella, phage)
- ** P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- ** R01GM-12934-10 Synthesis of infectious bacteriophage particles
- ** R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
- R01GM-13280-11 Investigation of genetic problems with bacteriophages
- ** R01GM-13554-09 Structure and replication of bacterial viruses
- ** P01GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
- R01GM-16539-06 Structure of nucleoprotein (microorganisms)
- ** R01GM-17020-06 Genetic control of bacteriophage development
- ** R01GM-17078-05 Genetic and chemical studies of phage lambda development
- ** R01GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
- R01GM-18776-03 Bacteriophage T4 morphogenesis and packing of DNA
- R01GM-19078-03 Gene amplification and membrane proteins (bacteria)
- R01GM-19097-03 Membrane structural protein of vesicular stomatitis virus
- R01GM-19617-02 Genetics and physiology of developmental mutants (bacteria)
- R01GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
- R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
- ** R01GM-21024-01 Obeta replicase and protein synthesis T-factor
- R01GM-21070-01 Control of DNA replication in animal cells and virus
- ** R01GM-21340-01 Molecular control of capsid form in Bacteriophage T4
- R01HD-04110-04 Virus induced disorders of growth and development (mice)
- R01HD-04183-04 Persistent congenital and neonatal virus infections (human)
- ** R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)
- P01HL-10539-09 0024 Pathophysiology of circulation - Experimental viral cardiomyopathy (hamster)
- R01NS-06989-08 Cellular effects of neurotropic viruses (sheep)
- R01NS-10309-02 Masked and latent viruses in brain (human, monkeys)
- R01NS-11451-01 Immunopathogenesis of visna (sheep)
- ** R01NS-11782-01 Replication of the slow virus virus
- R01NS-22330-02 Effects of lipids on human and bacterial cells
- VIRUS DISEASE CHARACTERISTICS, CYTOPATHOGENIC EFFECT VIRAL**
- R01AI-01023-18 Pathogenic agents using in vitro techniques (rats)
- ** R01AI-01528-18 New viruses in relation to clinical disease
- ** R01AI-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
- R01AI-03028-15 Ecology and control of arboviruses (animals)
- R01AI-03445-15 Virus induced alterations in animal cells
- ** R01AI-03536-14 Biochemistry of virus infections
- ** R01AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
- R01AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- P01AI-07007-09 0006 Immunopathologic studies - Search for viruses in immunologic diseases (human, dogs)
- P01AI-07007-09 0013 Immunopathologic studies - Autoimmunologic properties of SLV (mice)
- R01AI-07471-08 Equine infectious anemia (horses)
- R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
- R01AI-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
- R01AI-09095-06 Host alterations during cytomegalovirus infection (mice)
- ** R01AI-09118-06 Pathogenicity of EMC virus (mice, monkey, swine)
- R01AI-09312-05 Host-cell interaction of animal viruses
- R01AI-09476-06 Slow virus infections-Immunologic and viral studies (mink, mice)
- R01AI-09484-05 Chronic neurologic disorders caused by persistent viral infection (mice)
- R01AI-09628-04 Slow virus infections of human (monkeys)
- ** R01AI-09972-04 Viral pathogens (mosquitoes)
- ** R01AI-10326-04 Genetic and biochemical studies of Reovirus
- R01AI-10612-04 Studies on the nature of arenaviruses
- P01AI-11132-03 0002 Prevention or control of arbovirus infections - Arthropod susceptibility to rabies related viruses (rodent, rabbit, chick, bat)
- P01AI-11132-03 0003 Prevention or control of arbovirus infections - Rhabdovirus epidemiology improved techniques (rodent, rabbit, human)
- R01AI-11430-01 Viral etiology of human renal disease
- R01CA-05206-14 Latency and viral neoplasia (human, cell culture)
- R01CA-06709-12 Avian leukosis complex (poultry)
- ** R01CA-07160-10 Possible neoplastic effects of non-neoplastic viruses (mice)
- ** P02CA-08480-09 0009 Childhood cancer research center - Studies of herpes virus (frogs, rabbits)
- R01CA-08494-09 Mechanisms of viral infection in relation to cancer
- ** P01CA-08748-09 6521 Research program of Sloan-Kettering Institute - Morphology of herpes simplex and cytomegalovirus in W138 cells
- R01CA-10148-08 Avian leukosis-sarcoma viruses
- R01CA-11647-05 The replication of viruses
- R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
- ** R01CA-12472-03 Molecular mechanism of viral (SV 40) carcinogenesis
- R01CA-13007-03 Human wart virus as an oncogenic agent
- R01CA-13478-03 Investigation of SV40-related infections of man
- R01CA-13722-02 Cell surface receptors for oncogenic viruses
- P01CA-14051-02 0001 Center for cancer biology at MIT - Cancer virology (monkeys)
- R01CA-14944-02 Alterations of lymphocytes in Marek disease (chickens)
- ** R01CA-15506-02 Isolation of molluscum contagiosum virus (human)
- R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- R01CA-16063-01 Etiology of canine transmissible sarcoma
- ** N01CM-43760-00 Maintenance of virus diagnostic laboratory (mice, rats, hamsters)
- R01EY-00186-20 Viral heretconjunctivitis and related disorders (human)
- R01EY-00279-11 Pathogenesis of a uveitis (mice)
- R01EY-00858-01 Herpes simplex of the eye-Pathogenesis and treatment (human, rabbits)
- R01EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
- ** P01GM-06965-15 0022 Basic experimental biology - Sindbis virus-induced host cell plasma membrane conversion (chick embryo)
- P01GM-15003-13 0013 The biological functions of metals - Intracellular enzyme inhibitors (human, E coli, plants)
- P01GM-15253-08 0019 Genetics in medicine-Gene action in man - Immunologic aberrations
- N01HB-22191-03 Cytomegalovirus in human leukocytes and other tissues
- R01HD-00737-10 Clinical and laboratory studies on rubella (human, ferrets, gerbils)
- ** P01HD-03015-08 0021 Program for developmental biology - Control mechanisms in normal and virus infected mammalian cells (human)
- ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- ** R01HD-04110-04 Virus induced disorders of growth and development (mice)
- R01HD-05828-03 Role of immunity in congenital disease (sheep)
- R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
- R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)
- ** P01HL-10539-09 0024 Pathophysiology of circulation - Experimental viral cardiomyopathy (hamster)
- R01HL-14305-03 Viruses in chronic cardiovascular disease (human, dogs)
- P17HL-15061-03 0010 Response of lung to injury - An animal model system for the study of bronchiolitis and its sequelae (dogs)
- R01NS-06989-08 Cellular effects of neurotropic viruses (sheep)
- R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
- R01NS-08997-05 0001 Fine structural alterations in CNS viral disease - Viral teratogenesis (hamsters, Kiiham rat virus, bluetongue virus)
- R01NS-11129-02 Morphology of chronic viral infections of the brain (human, monkeys, hamsters)
- ** M01RR-00044-14 0065 General clinical research center - Virulence of influenza A (H3N2) TS-1(E) virus (human)
- VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS**
- R01AI-00634-21 Chemistry of virus mutation
- R01AI-00701-18 Measles virus recombination and reactivation
- ** R01AI-00771-20 Wildlife reservoirs of arboviruses (rodents, deer)
- R01AI-00957-19 RNA function in viral infected and uninfected cells
- R01AI-01466-18 Structure of biological macromolecules (viruses)
- ** R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- R01AI-01725-17 Biochemistry of animal virus multiplication
- R01AI-03445-15 Virus induced alterations in animal cells
- R01AI-03874-14 Measles virus or other virus infections (rabbits, mice, monkeys)
- ** R01AI-03899-14 Metabolism of normal and bacteriophage infected Escherichia coli (human)
- R01AI-04043-13 Genetic studies of phage-prophage interactions
- ** R01AI-04059-13 0002 Viral respiratory diseases - Host response to viral respiratory infection (mice, human)
- R01AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
- R01AI-05629-12 Chemistry of the interferon molecule (mice)
- R22AI-05920-12 Togavirus replication in insect and vertebrate cells
- ** R01AI-06477-13 Pathomechanism of persistent AD virus infection (ferret, mink)
- R01AI-06497-10 A possible cellular role for penicillinase (bacteria)
- ** R01AI-06706-07 0003 Cellular immunity in viral diseases - Cellular immunity in viral diseases (human, dogs)
- ** R01AI-06814-09 Electron microscopy of virus-host interactivity
- R01AI-06844-09 Biosynthesis of viral RNAs
- R01AI-06862-09 Molecular mechanisms of virus replication
- ** P01AI-07007-09 0006 Immunopathologic studies - Search for viruses in immunologic diseases (human, dogs)
- R01AI-07107-07 Host-controlled variation and transduction with T1
- ** R01AI-07255-08 Propagative circulative virus transmission by insects
- R01AI-07453-08 Transmission and control of California-group viruses (hamsters)
- ** R01AI-07471-08 Equine infectious anemia (horses)
- R01AI-07875-08 Mechanisms of prophage integration and recombination (bacteria)
- ** R01AI-07946-08 Phage T4-infected E coli-Heterocatalytic expression
- R01AI-08573-07 0001 Genetics of lambda prophage - Terminal duplication phages

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- ** R01AI-08573-07 0003 Genetics of lambda prophage - Phage growth on hosts
 ** R01AI-08738-06 Control mechanisms in phage-host cell interactions
 R01AI-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
 ** R01AI-08909-06 Macromolecular synthesis in virus infected cells (chick embryo)
 R01AI-08937-06 Stable virus-cell associations (bacteria)
 ** R01AI-09312-05 Host-cell interaction of animal viruses
 R01AI-09352-05 Chemistry and biosynthesis of cell-surface polymers (bacteria)
 R01AI-09447-05 Lipid biosynthesis induced by poxvirus infection (chick embryo, rats)
 R01AI-09706-04 Rabies and rabies virus antigens (rodents)
 ** R01AI-09765-05 Mechanism of infection of insect viruses (lepidopteran)
 ** R07AI-10049-15 0002 International center for medical research - Arboviruses in the Changá Manga forest (insects, mammals, amphibians, human)
 ** R07AI-10049-15 0008 International center for medical research - Smallpox epidemiology and immunology in the Punjab (human)
 R01AI-10080-04 Immunology and physiology of recirculating lymphocytes (mice, rats)
 ** R01AI-10172-01 Immunobiology of virus-lymphocyte interactions (mice)
 R01AI-10186-04 Regulation of lipid metabolism—genetic approaches (bacteria, viruses)
 R01AI-10201-04 Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
 ** R01AI-10216-04 Studies of cell and virus protein
 ** R01AI-10238-04 DNA metabolism in virus infected bacteria (T7 phage, E coli)
 ** R01AI-10429-03 Virus-cell and virus-antibody interaction
 R01AI-10467-03 Studies on hereditary androcardial infections (Drosophila, microorganisms)
 R01AI-10605-03 Biology of mycoplasma viruses
 R01AI-10612-04 Studies on the nature of arenaviruses
 P01AI-10702-03 0002 Cell biology of lymphoid cells - Cell replication, immunoglobulins, transplantation antigens (human, mice)
 ** R01AI-10793-03 Genetic analysis of Sindbis virus
 ** R01AI-10858-03 Viral modification of amino acid activating enzyme (E coli, phages)
 R01AI-10864-03 DNA methylation control by extrachromosomal factors (E coli, bacteriophages)
 M R01AI-10947-03 Metabolism of cells infected with nuclear DNA viruses
 R01AI-10947-03 0003 Metabolism of cells infected with nuclear DNA viruses - Genome of human cytomegalovirus
 R01AI-11111-02 Immunology of congenital cytomegalovirus disease
 R01AI-11112-08 Cellular resistance to viral infection
 P01AI-11132-03 0001 Prevention or control of arbovirus infections - Aegypti susceptibility to dengue and yellow fever (mice, monkeys)
 ** R01AI-11173-02 Phage P22—In vitro assembly and mode of attachment
 ** R01AI-11301-02 Protein synthesis in T-4 bacteriophage-infected cells (E coli)
 ** R01AI-11344-02 Phage-host interactions and control of phage growth
 R01AI-11377-01 Structure and replication of enveloped RNA viruses
 R01AI-11428-01 Membranes and the action of viruses
 ** R01AI-11459-02 Host and viral influences phage lambda and P1 development
 P01AI-11576-02 0003 Lymphocyte biology - Genetic and serologic aspects of virus-lymphocyte interactions (mice)
 R01AI-11614-01 Influenza viral RNA and protein synthesis in vitro
 R01AI-11674-01 Recombinant influenza virus infections in animals (turkeys, swine)
 R01AI-11676-01 Phage T4 head assembly and initiation of infection
 R01AI-11839-02 Molecular biology of vaccinia virus replication
 ** P01AI-11851-01 0009 Biology and biochemistry of lymphocyte surface - Virus-lymphocyte interactions (mice)
 ** R01AI-11863-01 Molecular mechanisms in the assembly of viruses (T4 phage, E coli)
 R01AI-11877-01 Biochemical analysis of viral envelope proteins
 ** R01AI-11886-01 Genetic and biochemical analysis of the interferon system (viruses)
 ** R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
 R01AI-12066-01 0001 Nucleoside analogs—Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E coli, virus)
 R01AI-12132-01 Regulation of transcription in virus infected cells
 R01AI-12203-01 Characterization of measles virus latency (hamsters, human)
 R01AI-12242-01 Replication and host range specificity of LD virus (mice)
 R01AM-09970-09 Biochemistry of complex carbohydrates (viruses, earthworm)
 R01AM-17202-01 Diabetes mellitus; role of coxsackievirus B infection (mice, human)
 ** R01CA-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
 ** R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
 R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
 ** R01CA-04571-16 Viruses in the pathogenesis of human tumors
 P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
 R01CA-05985-13 0003 Stages of carcinogenesis of the cervix uteri in mice - Action of steel alleles in susceptibility to viral leukemogenesis (mice)
 ** P02CA-06516-12 0022 Cancer center support grant—Comprehensive - Mechanism of SV40 protection (mice)
 P02CA-06516-12 0030 Cancer center support grant—Comprehensive - Experimental leukemogenesis (rats, mice, human)
 R01CA-07055-12 Lucke tumor associated viruses (frogs)
 ** R01CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
 R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
 P02CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Lucke tumor (frogs)
 ** P02CA-08480-09 0011 Childhood cancer research center - Transspecies replication of Moloney murine sarcoma virus (hamsters)
 R01CA-08662-09 Structure of picornaviruses and leukoviruses (mice)
 R01CA-08740-08 Etiological studies of mammary carcinoma (human, mice)
 P01CA-08748-09 6705 Research program of Sloan-Kettering Institute - Protein biosynthesis in Rous sarcoma-transformed cells (chick embryo)
 R01CA-10000-08 Filterable agents and tumor induction in mice
 ** R01CA-10055-08 Interaction of viruses with host chromosomes
 R01CA-10232-06 Tumor virus proteins—Studies with specific antisera (rabbits)
 R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
 R01CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
 P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poikilothermic vertebrate cells or viruses
 ** P01CA-10893-06 0021 Cancer Research Center - Mechanisms of viral persistence (rats)
 R01CA-11027-06 Transcription and translation in poxvirus infected cells
 R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
 ** R01CA-11898-04 Brain tumors—Virological and immunological studies (hamsters, rabbits)
 P01CA-12174-04 0023 Growth and cell control processes - Metabolism in insect cells
 ** R01CA-12229-05 Biochemistry of regulatory processes in synchronized cells (HeLa, rats)
 ** R01CA-12382-03 Virus associated neoplasms (rabbits)
 R01CA-12407-04 Control of protein synthesis in cell culture (mice, monkeys)
 R01CA-12461-04 Suppression of established leukemia virus infection (mice)
 R01CA-12557-03 SV40—Genetic analysis and oncogenic transformation
 P01CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
 R01CA-12711-03 Soluble mammalian RNA polymerase (mice, friend virus)
 R01CA-12794-03 Viral gene function in malignant transformation (human)
 ** R01CA-12796-03 Isohemagglutinins for avian RNA tumor receptors
 ** R01CA-12948-03 Host range mutants of simian virus 40
 P02CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
 P01CA-13330-03 0023 Cancer research program - Virus-host cell interaction
 ** P01CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
 ** P01CA-13330-03 0057 Cancer research program - Host DNA replication induced by oncogenic viruses (monkeys, mice)
 R01CA-13333-03 Murine myeloma tumor studies
 P01CA-13343-02 0003 Environmental cancer - Etiology in carcinogenesis—Chemical and viral agents in cell culture systems
 R01CA-13397-03 Cervical carcinoma—Immunology and biophysics (Herpes virus, human, hamsters)
 R01CA-13401-03 5-BUDR effects on polyoma and SV40 transformed cells (mice)
 ** R01CA-13608-03 Function of viral genes involved in transformation (rodents)
 R01CA-13885-01 Feline oncoviruses-associated cell membrane antigen
 R01CA-14037-01 Membrane structure related to oncogenesis and cell division (cell lines)
 P01CA-14051-02 0001 Center for cancer biology at MIT - Cancer virology (monkeys)
 ** R01CA-14100-02 The viral etiology of cancer (mice, rats)
 P01CA-14193-02 0007 Comparative leukemia studies unit - Bovine leukemia herds for research
 ** R01CA-14730-01 Virus induced leukemic stem cells in mice
 ** P01CA-14733-02 0015 Control of gene expression, virus replication and cell growth - Protein synthesis in virus-infected cells (human)
 R01CA-14888-01 Herpes genitalis in the adolescent vs mature monkey
 R01CA-14935-02 Cellular alteration induced by Rous sarcoma virus
 ** R01CA-14936-02 Role of host cells in virus induced tumors (chickens)
 R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
 R01CA-15071-01 Translation products of the RNA tumor virus genome
 R01CA-15072-01 Pathology of lymphoid neoplasms derived from T and B cells (mice)
 R01CA-15085-01 Neuroblastoma—An E M study of differentiation (mice)
 P02CA-15145-01 0047 Cancer center support grant - Isolation and properties of a sarcoma virus receptor (chickens)
 R01CA-15494-02 Tolerance and immunity to avian RNA tumor viruses and VISA
 R01CA-15561-01 Cellular differentiation and viral oncogenesis (mice)
 R01CA-15573-01 Physicochemical studies of viral nucleocapsid assembly
 ** R01CA-15630-01 Surface glycoproteins of normal and transformed cells (chick embryo, viruses)
 R01CA-15643-01 Leukemogenesis and cellular immunity (viruses, mice)
 P01CA-15655-01 0019 Cancer center support grant - Genetic control of tumor virus infection and cell transformation (mammals)
 ** R01CA-15743-01 Oncogenic mechanisms—SV40 and host genetic analysis
 ** R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
 R01CA-15941-01 Simian virus 40 DNA
 ** R01CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
 P01CA-16038-01 0006 Program on the molecular basis of viral transformation - Host and viral factors in oncogenesis by EB virus (human, mammals)
 P01CA-16038-01 0010 Program on the molecular basis of viral transformation - Control of transcription and translation (bacteriophage)
 R01CA-16063-01 Etiology of canine transmissible sarcoma
 R01CA-16123-01 Esterases and amidases in oncogenic transformation (mammals, viruses)
 R01CA-16155-01 Interactions on oncogenic viruses with mouse embryos
 R01CA-16193-01 Herpesvirus type 2—Immunity and immunoadjuvant therapy (mice)
 R01CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
 P01CA-16228-01 0006 Cell membrane in proliferation and oncogenesis - Transport systems and regulation of growth (mice, rats)
 P01CA-16228-01 0007 Cell membrane in proliferation and oncogenesis - Intramembranous particles—Glycoproteins—Growth control (mice)
 M P01CA-16239-01 Biosynthesis in normal and virus-transformed cells
 ** R01CA-16251-01 Mouse leukemia and autoimmunity—Host-virus relations (mice)
 R01CA-16252-01 Genetic and biochemical studies of MLV and MSV (mice)
 R01CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, friend leukemia, HeLa cells)
 R01CA-16392-01 Culture of preneoplastic mammary cells of the mouse
 ** R26CA-16540-01 Role of oncoviruses in carcinoma of the prostate (human)
 R01CA-16879-01 Viral oncogenesis
 R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
 N01CP-33288-02 Virus typing and diagnostic reagents
 N01CP-33336-01 Molecular biology of EB virus and related herpes viruses in human malignancies
 ** N01CP-43240-00 Roles of viruses and chemical in the etiology of cancer
 N01CP-43380-00 Host restriction of Friend Leukemia Virus
 P10ES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (human)
 R01EY-00938-03 Ocular disease of viral etiology (mice, rats)
 R01FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
 R01GM-10793-12 Mechanism of enzyme catalysis (bacteria, viruses, human, cattle)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- PO1GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- ** RO1GM-12053-11 Biochemical control of macromolecular synthesis (E coli, phage)
- PO1GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
- RO1GM-15697-07 Molecular mechanisms of information transfer (E coli, T7 phage)
- ** RO1GM-15837-07 Structure and function of lipids in the cell membrane (viruses, bacteria)
- ** PO1GM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
- RO1GM-18775-03 Factors controlling protein biosynthesis (E coli, bacteriophage T4)
- RO1GM-19097-03 Membrane structural protein of vesicular stomatitis virus
- ** PO1GM-19100-03 0016 Genetics research center - Immunogenetics (mice, viruses)
- RO1GM-19617-02 Genetics and physiology of developmental mutants (bacteria)
- RO1GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
- RO1GM-20639-02 Transcriptional controls in proviral and viral systems
- RO1GM-20784-01 Regulation of RNA synthesis (B. subtilis, phages)
- RO1GM-20851-01 Electron microscopy of DNA of cells and viruses
- RO1GM-21119-01 Biosynthesis of bacteriophage T4 transfer RNAs
- ** PO1HD-01799-09 0010 Mental retardation research center - Optic lens development (mammals)
- ** PO1HD-03015-08 0021 Program for developmental biology - Control mechanisms in normal and virus infected mammalian cells (human)
- ** PO1HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- ** RO1HD-08184-10 Virus-cell interaction replication and differentiation (mice)
- ** RO1HL-14933-02 Metabolic studies of viral induced hyperlipemias (chick embryo, rats, children)
- ** RO1HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
- RO1NS-06610-08 In vitro biology of brain cellular species (rats, mice)
- RO1NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
- RO1NS-09547-04 Viral subacute and chronic nervous system disease (human)
- ** RO1NS-10309-02 Masked and latent viruses in brain (human, monkeys)
- MO1RR-00075-11 0040 General clinical research center for children - Studies in subacute sclerosing panencephalitis
- VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)**
- ** RO1AI-00634-21 Chemistry of virus mutation
- RO1AI-03242-13 0001 Genetics, structure, and function of bacterial pili - Infectious transfer and replication of sex viruses (bacteria, bacteriophage)
- RO1AI-03242-13 0003 Genetics, structure, and function of bacterial pili - Control of infectious drug resistance (bacteria, bacteriophage)
- ** RO1AI-03242-13 0004 Genetics, structure, and function of bacterial pili - Adsorption, eclipse, and penetration of pilus phages (bacteria)
- RO1AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
- ** RO1AI-10733-03 Molecular basis of viral and cellular membrane fusion (mice)
- ** RO1AI-10793-03 Genetic analysis of Sindbis virus
- RO1AI-10858-03 Viral modification of amino acid activating enzyme (E coli, phages)
- RO1AI-10947-03 0001 Metabolism of cells infected with nuclear DNA viruses - Nonstructural sulfated glycoproteins
- ** RO1AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)
- RO1AI-10947-03 0003 Metabolism of cells infected with nuclear DNA viruses - Genome of human cytomegalovirus
- ** RO1AI-11009-02 Virus-induced suppression of delayed hypersensitivity
- RO1AI-11323-02 Regulation of development of bacteriophage SP01 (bacteria)
- RO1AI-11428-01 Membranes and the action of viruses
- RO1AI-11839-02 Molecular biology of vaccinia virus replication
- ** RO1AI-11863-01 Molecular mechanisms in the assembly of viruses (T4 phage, E coli)
- ** RO1AI-12052-01 Biochemical changes in adeno-infected and transformed cells
- RO1AM-15494-03 Lymphocytotoxins in systemic lupus erythematosus (human)
- ** PO1CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- RO1CA-06657-12 Enzyme studies in experimental leukemia (mice, human)
- ** PO1CA-10815-06 0021 Consolidated basic cancer research program - SV40 infection mechanisms (human, mice)
- ** PO1CA-10815-06 0029 Consolidated basic cancer research program - Regulation and transcription of free and integrated SV40 genome (monkeys)
- ** PO1CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
- ** PO1CA-10893-06 0018 Cancer Research Center - RNA viruses (rats, mice)
- ** PO1CA-10893-06 0021 Cancer Research Center - Mechanisms of viral persistence (rats)
- ** PO1CA-11405-06 0005 Core program on etiology of cancer - Immunology of MTV infection in various inbred mouse strains
- RO1CA-11427-05 Virus in relation to C57BL mouse thymoma
- ** PO1CA-12174-04 0024 Growth and cell control processes - Adenovirus metabolism (human)
- ** PO1CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
- PO2CA-13148-03 0023 Pilot cancer center - Silent herpetic cervical infections in pregnant women
- RO1CA-13195-03 Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human)
- RO1CA-13722-02 Cell surface receptors for oncogenic viruses
- PO1CA-14097-02 0004 Cancer research program - Viruses; control mechanisms - Ultrastructure of viruses, nucleic acids, enzymes
- ** PO1CA-14097-02 0007 Cancer research program - Viruses; control mechanisms - Biochemical and genetic studies on temperate phages
- ** RO1CA-14183-02 Isolation and properties of a sarcoma receptor (chickens, chick embryos)
- PO1CA-14193-02 0003 Comparative leukemia studies unit - Production purification and detection of BLV (human, cattle, rats)
- ** PO1CA-14193-02 0004 Comparative leukemia studies unit - Natural transmission and distribution of BLV (human, mammals)
- ** PO1CA-14193-02 0006 Comparative leukemia studies unit - Leukemogenic activity of BLV
- PO1CA-14195-01 0025 Core grant - Regulation, the cell membrane and cancer - Regulation of antibody synthesis (cattle)
- ** PO1CA-14733-02 0001 Control of gene expression, virus replication and cell growth - Interferon-mechanism of action
- PO1CA-14733-02 0002 Control of gene expression, virus replication and cell growth - Double-stranded RNA in vaccinia-infected cells
- ** PO1CA-14733-02 0004 Control of gene expression, virus replication and cell growth - Transcription in interferon-induced antiviral activity (chickens, mice)
- PO1CA-14733-02 0005 Control of gene expression, virus replication and cell growth - Viral-resistant mutants of cultured mouse cells
- PO1CA-14733-02 0022 Control of gene expression, virus replication and cell growth - Mechanisms of interferon action and viral protein synthesis
- RO1CA-15370-01 Tumor virus lipids - (Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- ** RO1CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
- ** RO1CM-12123-05 Viral studies in support of cancer chemotherapy patients
- NO1CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- ** NO1CP-33311-02 Molecular basis of viral carcinogenesis (chick embryo, human, mammals)
- NO1CP-33343-01 Maintenance of an irradiated monkey colony
- RO1EY-00858-01 Herpes simplex of the eye - Pathogenesis and treatment (human, rabbits)
- ** RO1GM-12053-11 Biochemical control of macromolecular synthesis (E coli, phage)
- ** P11GM-15759-08 0052 Clinical pharmacology in rheumatic and muscular diseases - Immunologic abnormalities induced by post-perfusion cytomegalovirus infection
- ** RO1GM-19617-02 Genetics and physiology of developmental mutants (bacteria)
- ** RO1GM-19743-01 Genetic aspects of DNA-protein interactions (bacteriophage)
- ** RO1GM-20784-01 Regulation of RNA synthesis (B. subtilis, phages)
- PO1HD-02274-08 0014 Mental retardation and child development - Neuropathology (human, monkeys, rats)
- RO1NS-05863-03 Tubal dysfunction and middle ear disorders (monkeys, cats)
- PO7RR-00711-02 0003 High frequency NMR biotechnology resource - Structure of gangliosides in vesicles
- ** MO1RR-00865-01 0006 General clinical research center - Evaluation of viral theory of inflammatory myopathies (human)
- VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW**
- RO1AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- ** RO1AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
- RO1AI-06848-06 Pathogenesis and epidemiology of simian viruses (primates)
- RO1AI-09095-06 Host alterations during cytomegalovirus infection (mice)
- ** RO1AI-09476-06 Slow virus infections - Immunologic and viral studies (mink, mice)
- ** RO1AI-09484-05 Chronic neurologic disorders caused by persistent viral infection (mice)
- ** RO1AI-09628-04 Slow virus infections of human (monkeys)
- RO1AI-11152-01 Viruses and maternal inheritance in Neurospora crassa
- RO1AI-11250-02 Transmissible spongiform encephalopathies (mice, monkeys)
- R22AI-11253-02 Epidemiological studies of latent rabies infections (rodents, carnivores)
- RO1AI-11656-01 Ultrastructural studies of C-virus murine myelopathy
- ** RO1AI-12203-01 Characterization of measles virus latency (hamsters, human)
- RO1AM-09351-09 Canine systemic lupus erythematosus (dogs and mice)
- RO1CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- ** RO1CA-05206-14 Latency and viral neoplasia (human, cell culture)
- PO1CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- ** RO1CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
- ** RO1CA-08851-11 Viral carcinogenesis and latency
- RO1CA-11224-06 0004 Neurooncogenesis by repressive carcinogens - N-nitrosoureas as possible activators of C type viruses (rats)
- ** PO1CA-12174-04 0009 Growth and cell control processes - Induction of leukemia virus by BldR (mice)
- PO1CA-12174-04 0023 Growth and cell control processes - Metabolism in insect cells
- RO1CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
- PO1CA-14599-01 0036 University of Chicago Cancer Research Center - Childhood leukemia studies
- NO1CP-23234-02 Development of a tissue culture transformation system (rats)
- ** NO1CP-43214-00 Latent virus infection and transmission of C-type particles (monkeys, human)
- RO1EY-00858-01 Herpes simplex of the eye - Pathogenesis and treatment (human, rabbits)
- R23EY-01392-01 Induced retinal dysplasia (cats, dogs)
- NO1HB-22908-03 Detection systems for cytomegalovirus as transmitted by blood transfusions
- PO1HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
- ** RO1HD-04183-04 Persistent congenital and neonatal virus infections (human)
- PO1NS-03356-14 0040 Neurological clinical research center - Ganglioside changes in disease (chimpanzees)
- ** RO1NS-06989-08 Cellular effects of neurotropic viruses (sheep)
- ** PO1NS-08711-04 0012 Fundamental studies relating to multiple sclerosis - Pathogenesis of herpetic disease in the nervous system of mice
- ** RO1NS-10309-02 Masked and latent viruses in brain (human, monkeys)
- ** RO1NS-10931-01 Brain glycolipids in MS and virus diseases (human, monkeys)
- PO1NS-11631-01 0001 Clinical center for research on Parkinson's and allied diseases - Parkinson's disease brain bank studies (human)
- PO1NS-11631-01 0040 Clinical center for research on Parkinson's and allied diseases - Pathology of Parkinson's disease (human, monkeys)
- PO1NS-11766-01 0004 Clinical research center for neuromuscular disease - Possible viral etiology of polymyositis (human, mice)
- ** RO1NS-11782-01 Replication of the slow virus visna
- ** NO1NS-70082-15 Slow virus infections of the central nervous system in man
- VIRUS DISEASES**
- SEE ALSO BEDSOMIA DISEASES
- SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS
- SEE ALSO BLOOD AND RE NEOPLASMS, LEUKOSIS-SARCOMA AVIAN
- SEE ALSO BLOOD AND RE NEOPLASMS, LYMPHOMA, BURKITT'S
- SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL
- SEE ALSO CONNECTIVE TISSUE DISORDERS, ALEUTIAN MINK DISEASE
- SEE ALSO LIVER DISORDERS, HEPATITIS SERUM
- SEE ALSO LIVER DISORDERS, HEPATITIS VIRAL ANIMAL
- SEE ALSO LIVER DISORDERS, HEPATITIS VIRAL HUMAN

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- SEE ALSO NERVOUS DISORDERS, DEMYELINATION, LEUKOENCEPHALOPATHIES VIRAL
SEE ALSO NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS
SEE ALSO NERVOUS DISORDERS CENTRAL, DISTEMPER, CANINE
SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM
SEE ALSO NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE
SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGITIS, LYMPHOCYTIC CHORIOMENINGITIS
SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGITIS VIRAL
SEE ALSO NERVOUS DISORDERS CENTRAL, RABIES
SEE ALSO RESPIRATORY DISORDERS, LARYNGOTRACHEITIS
SEE ALSO SKIN NEOPLASMS, KERATOACANTHOMA
SEE ALSO SKIN NEOPLASMS, PAPILLOMA CUTANEUS
SEE ALSO SKIN NEOPLASMS, PAPILLOMA SHOPE
SEE ALSO SKIN NEOPLASMS, VIRUS WARTS
- ** N01A-02228-05 Parasitic, viral and other infectious diseases of Pacific Islands
- M R01A1-06706-07 Cellular immunity in viral diseases
R01A1-06706-07 0003 Cellular immunity in viral diseases - Cellular immunity in viral diseases (human, dogs)
** P01A1-07007-09 0006 Immunopathologic studies - Search for viruses in immunologic diseases (human, dogs)
** P01A1-07007-09 0013 Immunopathologic studies - Autoimmunogenic properties of SLV (mice)
** R01A1-09221-06 Significance of viral FA in various globulin classes (human)
** R01A1-10217-04 Interferon and host resistance to viral infection (mice)
P01A1-11313-02 0009 Humoral, cellular and genetic mechanisms in autoimmunity - Viruses in pathogenesis of systemic lupus erythematosus (human)
R01A1-12048-01 Factors which modify leukotaxis of human cells
R01A1-12103-01 Mycoplasma-cell interaction and interferon induction (human, sheep, mice)
P01A1-12225-01 0005 Immunopathology and clinical immunology - Mediators of cellular immunity in vivo in relation to disease
** N01A1-22532-04 Central facility study treatment of serious viral infections with chemotherapeut
N01A1-42524-00 Research antiviral substances and animal systems
N01A1-42530-00 Transport of interferon across the mucous membrane (human, rabbits)
M P01A1M-09989-09 Immunological and other aspects of rheumatic diseases
** R01A1M-17202-01 Diabetes mellitus; role of coxsackievirus B infection (mice, human)
** R01A1M-17268-01 Association of human diabetes with virus infection
N01A1M-32218-01 Cytomegalovirus and herpes simplex virus infection of hemodialysis patients
R10CA-12001-09 Leukemia center (platelet) program
P02CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
P02CA-13148-03 0020 Pilot cancer center - Immunology of chronic viral infections
P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
** R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
** R13CA-16364-01 Mechanisms of virus disease
** N01GM-23211-05 Virus diagnostic and research laboratory
N01CP-43218-00 Cancer and chronic diseases virologic laboratory workers
** P01ES-00628-04 0002 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to viral infections (mice)
P01ES-00842-02 0003 Chronic obstructive lung disease - Pulmonary alveolar cell turnover (rats)
R01EY-00239-14 Biochemical studies of lens cataract formation (human, animals)
R01GM-15837-07 Structure and function of lipids in the cell membrane (viruses, bacteria)
N01GM-32104-02 Develop a latex agglutination technique for rapid diagnosis of viral diseases
N01HB-22910-04 Relationship of blood transfusion to cytomegalovirus infection (human)
** P01HD-00668-16 0007 Aging and the aged - Organic approaches to dementia (human)
P01HD-01799-09 0005 Mental retardation research center - Neuropathological processes in development and aging (human)
P01HD-03298-13 0014 Developmental pathology - Animal cytogenetics (mammals)
P01HD-03352-07 0037 Wisconsin center on mental retardation - Genetic research (human)
R01HD-08847-01 Immunological aspects of fetal and infantile death (human)
P01HL-04885-15 0003 Comparative cardiovascular studies - Vertical transmission of an infectious agent in congenital heart disease (dogs)
** P01HL-05435-14 0002 Cardiovascular research and training program - Virology (human)
P01HL-10539-09 0012 Pathophysiology of circulation - Primary myocardial disease (human)
** R01HL-14305-03 Viruses in chronic cardiovascular disease (human, dogs)
- ** R01HL-14933-02 Metabolic studies of viral induced hyperlipemias (chick embryo, rats, children)
P18HL-15170-03 0014 Comprehensive sickle cell disease center - Adrenal cortex function (human)
** P18HL-15996-02 0005 Cincinnati sickle cell anemia center - Factors precipitating crises (human)
R01HL-16246-01 Immunologic studies in postpericardiotomy syndrome
P01HL-16769-01 0001 Pathobiologic and host defense reactions in the lung - Endogenous hydrolytic enzymes in pulmonary injury (rabbits)
R01HL-16990-05 Bronchopulmonary resistance to bacterial infection (human, mice)
** R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
** N01NS-80993-10 Supporting services on viral research project (monkeys)
R01RH-00356-03 Cellular response to coal mine dust in vitro (human)
M01RR-00036-14 0197 General clinical research center - Responses to CNS injection in viral and bacterial CNS diseases (human)
** M01RR-00060-13 0060 General clinical research center - Physicochemical characteristics of antiviral antibodies (human)
M01RR-00064-10 0020 General clinical research center - Role of infection in emphysema (human)
M01RR-00086-12 0011 General clinical research center - Long-term effects of cytomegalovirus infection in the newborn
P06RR-00168-13 New England regional primate research center
** M01RR-00188-10 0057 General clinical research center for children - Congenital viral infections
** P07RR-00267-09 0098 Biomedical data processing unit - Stochastic simulation of virus epidemics
** P06RR-00361-08 Reference center for study of primate viruses
M01RR-00425-06 0022 General clinical research center - Viral etiology of systemic lupus erythematosus (human)
** R01RR-00700-03 Sialodacryoadenitis in the laboratory rat
M01RR-00722-02 0021 General Clinical Research Center - Renal transplantation and renal-adrenal aspects of hypertension (human)
** M01RR-00722-02 0043 General Clinical Research Center - Viral flora in glomerulonephritis (human)
- VIRUS DISEASES, ARBOVIRUS**
SEE ALSO NERVOUS DISORDERS CENTRAL, ENCEPHALITIS EPIDEMIC, WESTERN
R01A1-07807-08 Genetic studies on the control of arbovirus vectors (rats, mosquitoes)
** R01A1-09801-04 Snowshoe hare response to arboviral infection
** R01A1-11889-01 Microclimate in ecology of arthropod-borne diseases
R01LM-01786-02 Synthesis of literature on mosquitoes
- VIRUS DISEASES, ARBOVIRUS, DENGUE**
SEE ALSO VIRUSES, ARBOVIRUSES B, DENGUE VIRUS
R07A1-10051-14 International center for medical research and training (human, animals)
** R22A1-10509-03 Pathology and pathogenesis of dengue hemorrhagic fever (Thailand)
** R22A1-11338-02 Susceptibility and resistance of mosquitoes to dengue
R22A1-11751-01 Complement activation in hemorrhagic shock syndrome (human)
- VIRUS DISEASES, ARBOVIRUS, YELLOW FEVER**
SEE ALSO VACCINES, VIRAL, YELLOW FEVER VACCINES
SEE ALSO VIRUSES, ARBOVIRUSES B, YELLOW FEVER VIRUS
** R01A1-02984-15 Ecology of arthropod-borne viruses in Panama (human, animals)
P01NS-10920-02 0012 Development and regeneration in the nervous system - Development of resistance to encephalitis (mice)
- VIRUS DISEASES, COMMON COLD**
P01ES-00454-06 0012 Biological effects of environmental agents - Air hygiene (human, dogs)
R23HL-17153-01 Prolonged effects of acute respiratory illnesses (human)
- VIRUS DISEASES, HERPESVIRUS**
SEE ALSO KIDNEY NEOPLASMS, LUCKE RENAL ADENOCARCINOMA
R01A1-09323-05 Immunogenesis in animal parasites in protozoites (chickens)
P01A1-11313-02 0007 Humoral, cellular and genetic mechanisms in autoimmunity - Numbers and functional state of T and B lymphocytes in patients
** R01A1-12170-01 Therapy of herpes infection-5-HALO-CDR and THU
P01A1-12192-01 0006 Venereal disease research - CMV, HSV, chlamydia, cohort study of infection and disease
P02AM-13083-06 0104 Organ transplantation - Clinical-virological correlations
** P02CA-08480-09 0022 Childhood cancer research center - Zoster immune globulin collaborative study (human)
- ** P02CA-08480-09 0030 Childhood cancer research center - Varicella-Zoster and herpesvirus infections in children with cancer
** R01CA-13940-02 Immunogenetic study of a herpesvirus induced lymphoma (chickens, turkeys)
** R01CA-14889-01 Herpes genitalis in the adolescent vs mature monkey
R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
** N01CP-33310-02 Herpesvirus and its role in human cancer
** P01EY-00446-06 0013 External ocular disease center - Other viruses (mice, primates)
P15EY-00493-06 0003 Corneal research clinic - Antibiotics, antiviral agents in conjunctival and corneal disease (human, animal)
R23EY-01392-01 Induced retinal dysplasia (cats, dogs)
** P01MH-11668-09 0091 Psychosocial factors in health and disease - Onset of Herpes Zoster - Prediction of post herpetic pain
R01NS-08180-06 Molecular pathology of neurofiliaments and neurotubules (human, rabbits)
** M01RR-00032-14 0066 General clinical research center - Adenine arabinoside treatment of herpesvirus hominis infection
** M01RR-00032-14 0069 General clinical research center - ARA-A in treatment of herpes zoster in patients without immunosuppression
M01RR-00034-14 0083 General clinical research center - Herpes Zoster (human)
** M01RR-00044-14 0044 General clinical research center - Effect of cytarabine on herpes zoster infection (human)
** M01RR-00047-14 0094 General clinical research center - Treatment of herpes simplex encephalitis with cytosine arabinoside (human)
** M01RR-00064-10 0072 General clinical research center - Treatment of herpes simplex encephalitis, infection in immunosuppression (human)
** M01RR-00070-12 0041 General clinical research center - Zytosar for disseminated herpes zoster
** M01RR-00070-12 0088 General clinical research center - Interferon therapy in herpes Zoster in immunosuppressed patients
** M01RR-00070-12 0089 General clinical research center - Treatment of immunosuppressed patients with varicella-Zoster with transfer facto
M01RR-00071-11 0055 General clinical research center - Therapeutic transfer factor in cell-mediated immune deficiency diseases (human)
** M01RR-00076-12 0087 General clinical research center - Herpes virus nucleic acids in human tumors
** M01RR-00082-12 0106 General clinical research center - Parenteral adenine arabinoside in treatment of herpes uveitis (human)
M01RR-00240-10 0115 General clinical research center - Children - Treatment of congenital cytomegalovirus and herpes infection
P07RR-00259-08 0092 Computational research center program - Statistical research (human)
** M01RR-00350-08 0078 General clinical research center - Chemotherapy of severe herpes virus infections (human)
** M01RR-00425-06 0077 General clinical research center - Cytomegalovirus immunology (human)
** M01RR-00827-01 0018 General clinical research center - Chemotherapy of herpesvirus infections (human)
** M01RR-00847-01 0009 Clinical research centers - Adenine arabinoside in treatment of immunosuppressed patients
** M01RR-00847-01 0010 Clinical research centers - IDU and Ara-A in herpes virus hominis encephalitis (human)
** R01RR-00885-01 Herpes virus vaccines in laboratory cats
- VIRUS DISEASES, HERPESVIRUS, CHICKENPOX**
SEE ALSO VIRUSES, HERPESVIRUSES, VARICELLA-ZOSTER VIRUS
** R01A1-09785-04 Criteria for use of zoster immune globulin (human)
** M01RR-00062-12 0046 Clinical research center, children - Effectiveness of anti-varicella transfer factor in non-immune child
** M01RR-00064-10 0049 General clinical research center - Plasmapheresis to obtain Variella-Zoster hyperimmune serum (human)
- VIRUS DISEASES, HERPESVIRUS, HERPES SIMPLEX**
SEE ALSO VIRUSES, HERPESVIRUSES, HERPES SIMPLEX VIRUS
** P01CA-14801-02 0005 Chemotherapy and regulation of oncogenic viruses - Recombination between herpes simplex virus and mammalian cell genome
N01CP-33257-03 Viral etiology of human malignancies (monkeys)
** N01CP-43393-00 Cellular immunity studies to Herpes simplex antigens
** R01EY-00007-13 Ocular herpes simplex (human, rabbits, monkeys)
** R01EY-00394-07 Corneal inflammation in herpes keratitis (rabbits, mice, human)
** P01EY-00446-06 0011 External ocular disease center - Antivirals (human, animals)
** R01EY-00858-01 Herpes simplex of the eye - Pathogenesis and treatment (human, rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01EY-00964-01 Recurrent herpes simplex uveitis (rabbits, guinea pigs)
 R01EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
 ** P01NS-08711-04 0012 Fundamental studies relating to multiple sclerosis - Pathogenesis of herpetic disease in the nervous system of mice

VIRUS DISEASES, HERPESVIRUS, INFECTIOUS BOVINE RHINOTRACHEITIS

- R01DE-02879-05 Ion transport in salivary glands (cats)
 P01NS-10920-02 0009 Development and regeneration in the nervous system - Cerebral malformations induced by bluetongue virus (animals)

VIRUS DISEASES, MYXOVIRUS (AND RELATED INFECTIONS)

- SEE ALSO NERVOUS DISORDERS CENTRAL, DISTEMPER, CANINE
 ** R01AI-12123-01 Epidemiologic relation to multiple sclerosis to virus
 P01HL-09814-09 0004 Research program - Cardiovascular and related disease - Chronic respiratory disease (human)
 ** N01NS-42308-00 Ultracentrifugation and affinity chromatography in multiple sclerosis (human)

VIRUS DISEASES, MYXOVIRUS, INFLUENZA

- SEE ALSO BACTERIA, BRUCELLACEAE, HEMOPHILUS INFLUENZAE*
 SEE ALSO VACCINES, VIRAL, INFLUENZA VIRUS VACCINES
 SEE ALSO VIRUSES, MYXOVIRUSES, INFLUENZA VIRUSES
 ** R01AI-04059-13 0002 Viral respiratory diseases - Host response to viral respiratory infection (mice, human)
 ** N01AI-42509-01 Evaluation of influenza temperature sensitive mutants
 ** N01AI-42528-01 Establishment of an influenza research center
 ** P01NS-11631-01 0006 Clinical center for research on Parkinson's and allied diseases - Influenza virus (mice, monkeys)
 P01NS-11631-01 0040 Clinical center for research on Parkinson's and allied diseases - Pathology of Parkinson's disease (human, monkeys)
 ** M01RR-00350-08 0101 General clinical research center - Changes in circulating lymphocytes during influenza (human)

VIRUS DISEASES, MYXOVIRUS, INFLUENZA, SWINE

- ** N01AI-02132-06 Interferon, interferon inducers and antiviral substances (swine)

VIRUS DISEASES, MYXOVIRUS, MEASLES

- SEE ALSO NERVOUS DISORDERS, DEMYELINATION, SUBACUTE NECROTIZING ENCEPHALOMYELOPATHY
 SEE ALSO VACCINES, VIRAL, MEASLES VACCINE
 SEE ALSO VIRUSES, MYXOVIRUSES, MEASLES VIRUS
 ** P01NS-03356-14 0028 Neurological clinical research center - Measles infection of cultured dorsal root ganglion (hamsters)

VIRUS DISEASES, MYXOVIRUS, MUMPS

- SEE ALSO VIRUSES, MYXOVIRUSES, MUMPS VIRUS
 P01GM-15253-08 0019 Genetics in medicine - Gene action in man - Immunologic aberrations
 R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)

VIRUS DISEASES, POXVIRUS, SMALLPOX

- ** R07AI-10049-15 0008 International center for medical research - Smallpox epidemiology and immunology in the Punjab (human)

VIRUS DISEASES, TOGAVIRUSES, RUBELLA

- SEE ALSO VACCINES, VIRAL, RUBELLA VACCINES
 SEE ALSO VIRUSES, TOGAVIRUSES, RUBELLA VIRUS
 P02CA-13148-03 0020 Pilot cancer center - Immunology of chronic viral infections
 R01HD-00622-10 Human chromosomal defects - Epidemiology and etiology
 M01RR-00069-12 0045 General clinical research center, children - Treatment of congenital rubella with interferon inducing agent
 ** M01RR-00096-14 0046 Clinical research center - Cardiac defects associated with maternal rubella syndrome (human)
 ** M01RR-00096-14 0050 Clinical research center - Congenital rubella and opisthotonic posturing in 3-yr old
 ** M01RR-00096-14 0051 Clinical research center - Endocrine evaluation in congenital rubella (human)
 M01RR-00188-10 0077 General clinical research center for children - Isosexual precocious puberty in children with congenital rubella

VIRUS INFECTION MECHANISMS (GENERAL)

SEE VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)

VIRUS INHIBITORS

SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL
 SEE VIRUS INTERACTION, INTERFERING VIRUSES

VIRUS INTERACTION

- R01AI-03242-13 0001 Genetics, structure, and function of bacterial pili - Infectious transfer and replication of sex viruses (bacteria, bacteriophage)
 R01AI-09775-04 Rhinovirus immunology and epidemiology (human, rabbits)
 R01AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
 ** P01AI-11132-03 0001 Prevention or control of arbovirus infections - A egypti susceptibility to dengue and yellow fever (mice, monkeys)
 R01AI-12203-01 Characterization of measles virus latency (hamsters, human)
 P02CA-06516-12 0030 Cancer center support grant - Comprehensive - Experimental leukemogenesis (rats, mice, human)
 R01CA-12491-03 Viral induction of thymic lymphosarcomas in rats (also mice)
 ** P01CA-13330-03 0039 Cancer research program - Interaction of oncogenic viruses (human, monkeys, hamsters)
 P01GM-19100-03 0016 Genetics research center - Immunogenetics (mice, viruses)

VIRUS INTERACTION, HELPER VIRUSES

- R01AI-04043-13 Genetic studies of phage-prophage interactions
 ** R01AI-08722-06 Molecular studies on phage P2 and its satellite, P4
 R01AI-10843-03 Molecular biology of adeno-associated virus
 P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
 R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
 R01CA-07868-09 Defective Friend virus and its pseudotypes (mice)
 ** R01CA-10945-06 Interaction of oncogenic and non-oncogenic viruses (rabbits)
 R01CA-11647-05 The replication of viruses
 P01CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
 P01CA-13330-03 0049 Cancer research program - Altered expression of Friend leukemia virus (mice)
 P01CA-14051-02 0001 Center for cancer biology at MIT - Cancer virology (monkeys)
 ** R01CA-14529-02 Search for leukemia viruses with a helper virus assay (mice)
 ** P01CA-14536-01 0041 Cancer Institute core proposal - Activation of helper activity in human neoplastic tissue
 R01CA-14618-01 Growth and maturation of adeno-associated satellite viruses
 P02CA-15145-01 0050 Cancer center support grant - Studies on DNA membrane receptor complex (bacteria)
 R01CA-15168-01 Interactions of satellite phage P4 and its helper, P2
 R01CA-16329-01 Biology of the reticuloendotheliosis virus group (chickens)
 P01GM-19100-03 0016 Genetics research center - Immunogenetics (mice, viruses)

VIRUS INTERACTION, INTERFERING VIRUSES

- ** R01AI-03771-14 Viral interference in carrier cultures
 R22AI-05920-12 Tegavirus replication in insect and vertebrate cells
 R01AI-08738-06 Control mechanisms in phage-host cell interactions
 R01AI-09095-06 Host alterations during cytomegalovirus infection (mice)
 R01AI-09706-04 Rabies and rabies virus antigens (rodents)
 R01AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
 ** R01AI-11850-04 Tissue culture studies of hepatitis viruses (human)
 ** R01AI-11996-01 Superinfection exclusion in RNA animal viruses (mice)
 R01AI-12242-01 Replication and host range specificity of LD virus (mice)
 P01CA-02332-20 0001 Clinical and laboratory studies of normal and abnormal growth - Detection of leukemia viruses (mice, human)
 P02CA-06973-12 0019 Integrated clinical cancer research program - Biochemical virology-Viral detection studies (human, mice)
 ** P01CA-12174-04 0005 Growth and cell control processes - Defective interfering particles of poliovirus
 R01CA-12689-03 Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, human)
 P01CA-14733-02 0001 Control of gene expression, virus replication and cell growth - Interferon-mechanism of action
 ** P01CA-14733-02 0004 Control of gene expression, virus replication and cell growth - Transcription in interferon-induced antiviral activity (chickens, mice)
 P01CA-14733-02 0007 Control of gene expression, virus replication and cell growth - Molecular basis of interferon induced antiviral activity (chick embryo)
 R01CA-15085-01 Neuroblastoma-An E M study of differentiation (mice)

- ** R01CA-15168-01 Interactions of satellite phage P4 and its helper, P2

VIRUS-LIKE PARTICLES

- ** R01AI-10828-03 Poxvirus biochemistry and synthetic virus particles
 ** R01AI-11152-01 Viruses and maternal inheritance in *Neurospora crassa*
 ** R01AI-11265-02 Etiology of viral hepatitis (human, goats, guinea pigs)
 R01AM-15159-04 Immunohistopathology of renal diseases (human, rabbits)
 R01AM-15739-03 Role of microcirculation in cutaneous disorders (human, rabbits, mice)
 R01AM-17028-01 Virologic studies of systemic lupus erythematosus (human, mice)
 ** R01CA-04679-15 0003 Biology of normal and malignant melanocytes - Transfer of melanomas
 R01CA-05790-13 Cytology of viral neoplasms in fish
 ** P02CA-06973-12 0019 Integrated clinical cancer research program - Biochemical virology-Viral detection studies (human, mice)
 P02CA-07177-11 0011 Clinical cancer research center - Beta particle budding in human breast tissue
 P01CA-08748-09 6506 Research program of Sloan-Kettering Institute - Virus-like agents in cells from Hodgkin's disease
 P01CA-08748-09 6907 Research program of Sloan-Kettering Institute - Immunofluorescent studies on human tumors - Search for antigens
 ** P01CA-08748-09 6912 Research program of Sloan-Kettering Institute - Search for human cancer viruses
 R01CA-10712-07 Foreign body tumorigenesis (mice)
 P01CA-10893-06 0002 Cancer Research Center - Clinical Research Section
 ** P01CA-11405-06 0009 Core program on etiology of cancer - Effect of human milk on structure of mouse B particles
 P01CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
 ** R01CA-13007-03 Human wart virus as an oncogenic agent
 R01CA-13333-03 Murine myeloma tumor studies
 ** P02CA-13525-03 0012 Program for treatment of malignant brain tumors - Virus-like particles in human schwannoma
 ** P02CA-13525-03 0013 Program for treatment of malignant brain tumors - Isolation and purification of virus-like particles (hamsters)
 ** P02CA-13943-02 0072 Clinical pharmacology immunology cancer research center - Virus particles in breast cancer patients
 ** R26CA-14926-02 Ultrastructure of normal and neoplastic urothelium (human)
 ** R26CA-15417-02 Viruses and virus-like particles in prostatic tumors (human)
 R01CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells)
 ** M01CP-23237-02 B-type particles from human milk in Israel
 ** M01CP-33231-04 Applied electrical and optical technology in oncology
 ** M01CP-33239-02 Virological studies of breast cancer (human, mammals)
 M01CP-33290-01 Immunologic and epidemiologic studies on Japanese patients with cancer
 M01CP-33308-02 Expression of the RNA tumor virus genome in malignant cells (human, mammals)
 M01CP-33339-02 Human milk and mammary tumors (chickens)
 M01CP-33346-02 Leukemia studies in the cat (and dogs)
 ** M01CP-43222-00 Activation of C-particles and induction of cancer
 R01GM-16541-06 Biochemical genetics of *Neurospora* circadian rhythms
 P18HL-15169-03 0001 Comprehensive sickle cell disease center - Aplastic crises in sickle cell anemia (human)
 R01NS-07286-07 UV spectroscopic study of membrane proteins and DNA
 P01NS-11418-01 0005 Studies in demyelinating diseases - Viral culture of lymph node and CNS tissue (human)
 P01NS-11766-01 0004 Clinical research center for neuromuscular disease - Possible viral etiology of polymyositis (human, mice)

VIRUS PNEUMONIA

SEE RESPIRATORY DISORDERS, PNEUMONIA VIRAL

VIRUS REPLICATION

SEE VIRUS DEVELOPMENT, REPLICATION

VIRUS-VIRUS INTERACTION

SEE VIRUS INTERACTION

VIRUS-VIRUS INTERFERENCE

SEE VIRUS INTERACTION, INTERFERING VIRUSES

VIRUS WARTS

SEE SKIN NEOPLASMS, VIRUS WARTS

VIRUSES

SEE ALSO BEDSONIA
 SEE ALSO IMMUNOLOGY, INTERFERON

R01AI-01466-18 Structure of biological macromolecules (viruses)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- R01AI-04242-13 Important genera of Siphonaptera (fleas)
 ** R01AI-08427-06 The physical structure of viruses
 R01AI-10845-20 Virus structure and growth in cultured cells
 R01AI-11219-02 Structure of a small spherical virus
 R01AI-11636-01 Normal and virus-infected animal cells
 R01AI-32521-01 Operation of virus, tissue culture and serology laboratories
 P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
 R01AM-13463-05 The infectious etiology of rheumatoid arthritis (human)
 R01AM-15796-01 Synovial cells and the etiology of rheumatoid arthritis (human, rabbits)
 ** R01CA-13202-03 Virus structure and assembly
 P01CA-15655-01 0006 Cancer center support grant - Relationship between frequency of antibody and cancer (human)
 R01CA-15940-01 Determining sequences from hemoglobin messenger RNA
 R13CA-16224-01 Selected Cold Spring Harbor summer workshops
 N01CB-33882-01 Application of breast pump to obtain breast secretions (human)
 ** N01CM-43719-00 Supportive services in virology, immunology and tissue culture
 N01CP-12164-08 Interaction between chemical and viral carcinogens (hamsters)
 ** N01CP-33220-01 Alteration in translation of genetic messages by viruses and carcinogens
 N01CP-43228-00 Research of Hodgkins disease and other human malignant lymphomas
 ** N01CP-43287-00 Correlation of molecular virology to diagnosis of breast cancer
 ** N01CP-43334-00 Virus processing and production facility
 N01CP-45615-01 In vitro interaction between chemical and viral carcinogens
 ** P10ES-00210-07 0031 Center for environmental management - Adsorption of tritium labeled Q-beta virus on powdered silica
 R01EY-00279-11 Pathogenesis of a uveitis (mice)
 R01GM-08968-13 Electron microscope studies of nucleic acid structures (flies, viruses)
 R01GM-10991-15 Physical chemistry of nucleic acids (viruses, bacteria)
 R01GM-18391-03 Field emission-Phase contrast electron microscopy
 R01GM-20195-17 Interactions of nucleotide and proteins
 R01HD-07078-02 Growth and development of human fetal brain in vitro
 N01HD-22737-04 Ecological study in a Guatemalan village
 P18HL-15169-03 0001 Comprehensive sickle cell disease center - Aplastic crises in sickle cell anemia (human)
 N01HR-42956-00 In vitro test for sarcoidosis (human)
 R01NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
 ** P01NS-11418-01 0005 Studies in demyelinating diseases - Viral culture of lymph node and CNS tissue (human)
 N01NS-22330-02 Effects of lipids on human and bacterial cells
 ** R01OH-00449-01 Cohort study of cancer mortality in virologists
- VIRUSES, ADENOVIRUSES**
 SEE ALSO VACCINES, VIRAL, ADENOVIRUS VACCINES
 R01AI-01528-18 New viruses in relation to clinical disease
 ** R01AI-01725-17 Biochemistry of animal virus multiplication
 R01AI-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
 R01AI-05231-10 Synthesis of viral and gammaglobulin proteins
 R01AI-06814-09 Electron microscopy of virus-host interactivity
 R01AI-06862-09 Molecular mechanisms of virus replication
 R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
 R01AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)
 R01AI-10216-04 Studies of cell and virus protein
 R01AI-11427-01 Virus replication and transformation
 ** R01AI-11648-01 Adenovirus gene expression in vitro and in vivo (E coli)
 R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
 ** R01AI-12053-01 Mechanisms of viral eclipse and assembly
 N01AI-32506-02 Evaluation of respiratory virus vaccines (human)
 N01AI-42544-00 Provide and maintain animals for viral antiserum production
 N01AI-81266-12 Interferon inducers in herpetic infections of eyes
 N01AI-90089-07 Certification of viral reagents
 ** R01CA-04571-16 Viruses in the pathogenesis of human tumors
 R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
 R01CA-08851-11 Viral carcinogenesis and latency
- R01CA-10137-08 Structure of virus and low molecular weight RNA
 P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poikilothermic vertebrate cells or viruses
 P01CA-10893-06 0014 Cancer Research Center - Viral genes involved in cell transformation (monkeys, mice, hamsters)
 R01CA-10945-06 Interaction of oncogenic and non-oncogenic viruses (rabbits)
 ** P01CA-11405-06 0013 Core program on etiology of cancer - Chromosome damage by adenovirus and maribuan (human, rats)
 ** P01CA-11405-06 0014 Core program on etiology of cancer - Biochemical mechanism of virus induced chromosome breaks (human)
 ** R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
 R01CA-11647-05 The replication of viruses
 P01CA-12093-04 0007 Immunobiology of cancer - Viral oncology and immunology (hamster, human, chick embryo)
 P01CA-12174-04 0021 Growth and cell control processes - Products of nuclear RNA polymerases in HeLa cells (human)
 ** P01CA-12174-04 0024 Growth and cell control processes - Adenovirus metabolism (human)
 R01CA-12557-03 SV40-Genetic analysis and oncogenic transformation
 R01CA-12794-03 Viral gene function in malignant transformation (human)
 R01CA-12795-03 Nonspecific resistance to viral-induced tumors (mice)
 R01CA-12952-03 E-B and other viruses in cancer
 P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
 P01CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
 P02CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
 P02CA-13148-03 0020 Pilot cancer center - Immunology of chronic viral infections
 ** R01CA-13231-03 Effects of tumorigenic adenoviruses on cells
 P01CA-13330-03 0039 Cancer research program - Interaction of oncogenic viruses (human, monkeys, hamsters)
 ** P01CA-13330-03 0041 Cancer research program - Adenovirus DNA and protein synthesis (human)
 P01CA-13330-03 0053 Cancer research program - Interaction of a picorna virus with cultured lymphocytes (human)
 R01CA-13394-02 Mechanism of viral carcinogenesis (human)
 R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
 R01CA-15149-01 The DNA-transfer method of virus rescue
 R01CA-16007-01 Gene expression of oncogenic viruses
 ** P01CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
 R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
 N01CM-12123-05 Viral studies in support of cancer chemotherapy patients
 N01CM-23211-05 Virus diagnostic and research laboratory
 N01CP-43209-00 Viruses in cancer etiology (human, mammals nonhuman)
 N01CP-45615-01 In vitro interaction between chemical and viral carcinogens
 ** P01EY-00227-13 0019 The posterior segment of the eye - Experimental tumors induced by adenovirus type12 (hamsters)
 ** R01EY-00427-05 Analysis of problems in ocular inflammatory disease (human, rabbits)
 ** P01EY-00446-06 0013 External ocular disease center - Other viruses (mice, primates)
 R01GM-19835-02 Ribosomes of hybrid cells and tumor virus effects (mice, hamsters)
 R01GM-20851-01 Electron microscopy of DNA of cells and viruses
 N01GM-32104-02 Develop a latex agglutination technique for rapid diagnosis of viral diseases
 ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
 R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)
 P17HL-14212-04 0003 Correlated studies of pulmonary disease - Pathology and pathogenesis of pulmonary fibrosis (human, rats)
 ** P17HL-15061-03 0010 Response of lung to injury - An animal model system for the study of bronchiolitis and its sequelae (dogs)
- VIRUSES, ADENOVIRUSES, CELO**
 P01CA-12093-04 0007 Immunobiology of cancer - Viral oncology and immunology (hamster, human, chick embryo)
- VIRUSES, ARBOVIRUSES (GENERAL)**
 R01AI-01023-18 Pathogenic agents using in vitro techniques (rats)
- R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
 ** R01AI-02984-15 Ecology of arthropod-borne viruses in Panama (human, animals)
 ** R07AI-10049-15 0001 International center for medical research - Arbovirus vector genetic control (mosquitoes)
 ** R07AI-10049-15 0002 International center for medical research - Arboviruses in the Changá Manga forest (insects, mammals, amphibians, human)
 ** R07AI-10051-14 International center for medical research and training (human, animals)
 ** R01AI-10984-03 World reference center for arboviruses (mice)
 ** R22AI-12078-01 Arbovirus replication in mosquitoes cell culture
 ** N01AI-80679-09 Production of arbovirus reference reagents
 P01HL-08214-11 0023 Chemical and biological properties of lipids - Lipids, lipid metabolism in microorganisms and mammalian cells
- VIRUSES, ARBOVIRUSES, BLUETONGUE VIRUS**
 ** R01HD-05828-03 Role of immunity in congenital disease (sheep)
 R01NS-08997-05 0001 Fine structural alterations in CNS viral disease - Viral teratogenesis (hamsters, Kilham rat virus, bluetongue virus)
 ** P01NS-10920-02 0009 Development and regeneration in the nervous system - Cerebral malformations induced by bluetongue virus (animals)
 P01NS-10920-02 0012 Development and regeneration in the nervous system - Development of resistance to encephalitis (mice)
- VIRUSES, ARBOVIRUSES, CALIFORNIA ENCEPHALITIS VIRUS**
 R01AI-00771-20 Wildlife reservoirs of arboviruses (rodents, deer)
 R01AI-02753-15 Genetics and reproductive biology of Aedes mosquitoes
 ** R01AI-07453-08 Transmission and control of California-group viruses (hamsters)
 R01AI-09801-04 Snowshoe hare response to arboviral infection
 ** R01AI-11547-02 La Crosse arbovirus studies in forested areas, (mosquitoes, rodents)
- VIRUSES, ARBOVIRUSES, COLORADO TICK FEVER VIRUS**
 R01AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)
- VIRUSES, ARBOVIRUSES, EQUINE INFECTIOUS ANEMIA VIRUS**
 ** R01AI-07471-08 Equine infectious anemia (horses)
- VIRUSES, ARBOVIRUSES, HEMORRHAGIC FEVER VIRUSES**
 SEE ALSO VIRUSES, ARBOVIRUSES B, DENGUE VIRUS
 R07AI-10051-14 International center for medical research and training (human, animals)
 ** P01AI-11132-03 0004 Prevention or control of arbovirus infections - Serological and biological properties of Congo virus (mice)
- VIRUSES, ARBOVIRUSES, VESICULAR STOMATITIS VIRUS**
 R01AI-05629-12 Chemistry of the interferon molecule (mice)
 R01AI-06264-10 Cellular resistance to virus infections
 R01AI-07140-09 Translation and replication of RNA containing viruses
 R01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
 R01AI-08814-06 Regulation of viral RNA translation
 R01AI-09706-04 Rabies and rabies virus antigens (rodents)
 R01AI-09807-05 Cellular basis of delayed type hypersensitivity (human, rodents)
 ** R01AI-10100-04 Replication of vesicular stomatitis virus (Herpes, Sindbis viruses)
 R01AI-10692-03 Transcription and replication of animal RNA viruses
 ** R01AI-11112-08 Cellular resistance to viral infection
 ** P01AI-11132-03 0003 Prevention or control of arbovirus infections - Rhabdovirus epidemiology improved techniques (rodent, rabbit, human)
 ** R01AI-11722-01 Rhabdovirus transcription and replication
 P01CA-10815-06 0068 Consolidated basic cancer research program - Role of sterols in membrane synthesis of RNA viruses
 P01CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
 R01CA-12308-03 Isolation of animal cells containing suppressor tRNAs (hamsters, rabbits)
 P01CA-13330-03 0023 Cancer research program - Virus-host cell interaction
 P01CA-13330-03 0037 Cancer research program - Cell structure and metabolism (human, tissue culture)
 R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01CA-14733-02 0001 Control of gene expression, virus replication and cell growth - Interferon-mechanism of action
- P01CA-14733-02 0003 Control of gene expression, virus replication and cell growth - Interferon induction and action in interspecies hybrids (human, mice)
- P01CA-14733-02 0004 Control of gene expression, virus replication and cell growth - Transcription in interferon-induced antiviral activity (chickens, mice)
- P01GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
- VIRUSES, ARBOVIRUSES A**
- ** N01AI-42517-00 Testing and identification of arbovirus research reagents (laboratory animals)
- VIRUSES, ARBOVIRUSES A, EASTERN ENCEPHALITIS VIRUS**
- ** R01AI-03028-15 Ecology and control of arboviruses (animals)
- ** R01AI-11927-01 Colonial bats as overwintering reservoir of EEE virus
- VIRUSES, ARBOVIRUSES A, SEMLIKI FOREST VIRUS**
- R01AI-10217-04 Interferon and host resistance to viral infection (mice)
- ** P01CA-08748-09 6702 Research program of Sloan-Kettering Institute - Semliki Forest Virus studies-RNA synthesis in infected hamster kidney cells
- VIRUSES, ARBOVIRUSES A, SINDBIS VIRUS**
- R01AI-02953-14 Cell immunity-Natural inhibitors of viral activity (rabbits, mice)
- R22AI-05920-12 Togavirus replication in insect and vertebrate cells
- ** R01AI-08238-08 Biochemical studies of arbovirus multiplication
- R01AI-09312-05 Host-cell interaction of animal viruses
- ** R01AI-10793-03 Genetic analysis of Sindbis virus
- ** R01AI-11192-02 Infection of mosquitoes-Arboviruses
- ** R01AI-11263-02 Sindbis virus growth and alteration of cell membranes
- R01CA-14142-12 Cell surface biochemistry of transformed animal cells (hamsters)
- ** R01CA-14311-02 RNA-envelope virus formation in animal cells
- ** P01GM-06965-15 0022 Basic experimental biology - Sindbis virus-induced host cell plasma membrane conversion (chick embryo)
- P01GM-06965-15 0079 Basic experimental biology - Ionic strength and adsorption of sindbis virus to cells
- P01GM-06965-15 0080 Basic experimental biology - Plasma membrane from infected fibroblasts
- P01GM-06965-15 0081 Basic experimental biology - Sindbis-specific proteins in infected cells
- ** R01GM-18682-03 Mammalian peptide termination-mechanism and supression (hamsters, viruses)
- P01NS-10920-02 0012 Development and regeneration in the nervous system - Development of resistance to encephalitis (mice)
- VIRUSES, ARBOVIRUSES A, VENEZUELAN ENCEPHALITIS VIRUS**
- ** R01AI-02984-15 Ecology of arthropod-borne viruses in Panama (human, animals)
- ** R01AI-06248-10 North American encephalitis arboviruses (birds)
- ** R07AI-10050-14 0002 International center for medical research - Parasites and vectors (human, insects, protozoa, Ascaris)
- ** R01AI-11383-02 Neotropical bats and encephalitis arboviruses
- ** R01CA-13112-03 Virus alterations of the immune response (mice, guinea pigs)
- P01HD-08658-01 0010 Developmental neurobiology in primates - Experimental malformations of the central nervous system (nonhuman primates)
- VIRUSES, ARBOVIRUSES A, WESTERN ENCEPHALITIS VIRUS**
- ** R01AI-03028-15 Ecology and control of arboviruses (animals)
- R01AI-09801-04 Snowshoe hare response to arboviral infection
- VIRUSES, ARBOVIRUSES B**
- R07AI-10049-15 0001 International center for medical research - Arbovirus vector genetic control (mosquitoes)
- ** N01AI-42517-00 Testing and identification of arbovirus research reagents (laboratory animals)
- VIRUSES, ARBOVIRUSES B, DENGUE VIRUS**
- SEE ALSO VIRUS DISEASES, ARBOVIRUS, DENGUE
- SEE ALSO VIRUSES, ARBOVIRUSES, HEMORRHAGIC FEVER VIRUSES
- R22AI-05920-12 Togavirus replication in insect and vertebrate cells
- ** P01AI-11132-03 0001 Prevention or control of arbovirus infections - A aegypti susceptibility to dengue and yellow fever (mice, monkeys)
- ** R22AI-11540-02 The forest cycles of dengue in Malaysia (mice, monkeys, mosquitoes)
- R01NS-11286-04 Immunosuppression and experimental viral infection (monkeys, rodents)
- VIRUSES, ARBOVIRUSES B, JAPANESE B ENCEPHALITIS VIRUS**
- R01AI-08238-08 Biochemical studies of arbovirus multiplication
- ** R07AI-10049-15 0002 International center for medical research - Arboviruses in the Changá Manga forest (insects, mammals, amphibians, human)
- R22AI-11540-02 The forest cycles of dengue in Malaysia (mice, monkeys, mosquitoes)
- R01NS-11286-04 Immunosuppression and experimental viral infection (monkeys, rodents)
- VIRUSES, ARBOVIRUSES B, POWASSAN VIRUS**
- R01AI-09801-04 Snowshoe hare response to arboviral infection
- VIRUSES, ARBOVIRUSES B, ST. LOUIS ENCEPHALITIS VIRUS**
- R01AI-00771-20 Wildlife reservoirs of arboviruses (rodents, deer)
- VIRUSES, ARBOVIRUSES B, WEST NILE VIRUS**
- R01HL-14933-02 Metabolic studies of viral induced hyperlipemias (chick embryo, rats, children)
- R01NS-11286-04 Immunosuppression and experimental viral infection (monkeys, rodents)
- VIRUSES, ARBOVIRUSES B, YELLOW FEVER VIRUS**
- SEE ALSO VACCINES, VIRAL, YELLOW FEVER VACCINES
- SEE ALSO VIRUS DISEASES, ARBOVIRUS, YELLOW FEVER
- ** P01AI-11132-03 0001 Prevention or control of arbovirus infections - A aegypti susceptibility to dengue and yellow fever (mice, monkeys)
- ** R01AI-12400-01 Yellow fever virus in strains of Aedes aegypti
- VIRUSES, ARBOVIRUSES C**
- ** N01AI-42517-00 Testing and identification of arbovirus research reagents (laboratory animals)
- VIRUSES, ARENAVIRUSES**
- R01EY-00279-11 Pathogenesis of a uveitis (mice)
- VIRUSES, ARENAVIRUSES, LCM**
- SEE ALSO NERVOUS DISORDERS, MENINGITIS, LYMPHOCYTIC CHORIOMENINGITIS
- P01AI-07007-09 0016 Immunopathologic studies - Autoimmune manifestations (NZ mice, human)
- ** R01AI-10612-04 Studies on the nature of arenaviruses
- P01CA-15848-01 New approaches to tumor immunotherapy
- M01CP-33288-02 Virus typing and diagnostic reagents
- ** R01EY-00938-03 Ocular disease of viral etiology (mice, rats)
- R01NS-11286-04 Immunosuppression and experimental viral infection (monkeys, rodents)
- VIRUSES, ARENAVIRUSES TACARIBE, MACHUPO**
- P01HD-03298-13 0014 Developmental pathology - Animal cytogenetics (mammals)
- VIRUSES, ARENAVIRUSES TACARIBE, PICHINDE**
- P01CA-10893-06 0021 Cancer Research Center - Mechanisms of viral persistence (rats)
- VIRUSES, BACTERIOPHAGE***
- SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, PHAGE TYPING
- R01AI-01071-18 Corynebacterium diphtheriae and its viruses
- R01AI-02457-16 Methicillin resistance in staphylococci
- ** R01AI-03038-15 Control functions of bacteriophages and bacteriocins
- ** R01AI-03242-13 0001 Genetics, structure, and function of bacterial pili - Infectious transfer and replication of sex viruses (bacteria, bacteriophage)
- ** R01AI-03242-13 0003 Genetics, structure, and function of bacterial pili - Control of infectious drug resistance (bacteria, bacteriophage)
- ** R01AI-03242-13 0004 Genetics, structure, and function of bacterial pili - Adsorption, eclipse, and penetration of pilus phages (bacteria)
- R01AI-03242-13 0006 Genetics, structure, and function of bacterial pili - Pili structure, isolation, and classification (bacteria, bacteriophage)
- R01AI-03899-14 Metabolism of normal and bacteriophage infected Escherichia coli (human)
- R01AI-06497-10 A possible cellular role for penicillinase (bacteria)
- ** R01AI-06844-09 Biosynthesis of viral RNAs
- ** R01AI-07533-08 Bacteriophage
- ** R01AI-08722-06 Molecular studies on phage P2 and its satellite, P4
- ** P01AI-08724-18 0001 Biology of streptococci - Streptococcal phages
- ** R01AI-08814-06 Regulation of viral RNA translation
- R01AI-09352-05 Chemistry and biosynthesis of cell-surface polymers (bacteria)
- R01AI-09527-10 Prospective study of skin infections and nephritis (children)
- R01AI-09841-03 Modification of lipopolysaccharide by enzymes (bacteria, fungi)
- R01AI-10141-04 Physiologic-genetic regulation of cell wall biosynthesis (bacteria, bacteriophage)
- R01AI-10414-01 Zones of multiple functions of the cellular surface
- R01AI-10492-03 Virulence of Corynebacterium diphtheriae
- ** R01AI-10638-03 Viruses of phytopathogenic pseudomonads
- ** R01AI-10949-03 Staphylococcal exfoliative toxin (rabbits)
- ** R01AI-11168-03 A genetic approach to the study of N gonorrhoeae (human)
- R01AI-11187-02 Streptococci
- ** R01AI-11337-02 Control of toxin production in viral-infected cells
- ** R22AI-11478-02 Control of bacterial toxins by viruses and plasmids (mice, rabbits)
- ** R01AI-11868-01 Regulatory mechanisms in virus development
- ** R01AI-12120-01 Search for bacteriophages active on N gonorrhoeae
- R01CA-04910-15 Role of glycolysis in tumor growth (human, rodents)
- R01CA-05262-14 Iodothyrylidine, iodo-DNA and biological activity (mice)
- P02CA-06519-12 0004 Radiation therapy and biology research program - Biological evidence for repair of psoralen cross-links in bacterial cells
- P02CA-06519-12 0097 Radiation therapy and biology research program - Method of preparing large quantities of phi-X174 RF 1
- P02CA-06519-12 0098 Radiation therapy and biology research program - DNA replication of phage G4
- ** P02CA-06519-12 0099 Radiation therapy and biology research program - Relationship of four new phi-X-like phages with X174 and S.13
- P02CA-06519-12 0100 Radiation therapy and biology research program - Control of gene expression in T7-phage-infection cells
- P02CA-06519-12 0101 Radiation therapy and biology research program - Enzymology of phage T7 RNA synthesis
- P02CA-06519-12 0102 Radiation therapy and biology research program - Mapping of a promoter site for T7 RNA polymerase
- P02CA-06519-12 0104 Radiation therapy and biology research program - Regulation of developmental patterns in D. discoideum
- P02CA-06519-12 0105 Radiation therapy and biology research program - Cross-links between strands produced by psoralen and near ultraviolet light
- P02CA-06519-12 0106 Radiation therapy and biology research program - Genetic exchanges induced in phage lambda by cross-linking agents
- P02CA-06519-12 0107 Radiation therapy and biology research program - Isolation and characterization of an RNA polymerase binding site
- ** P02CA-06519-12 0109 Radiation therapy and biology research program - Phage-induced x-ray resistance in E coli
- P01CA-06927-12 0001 Biological and biochemical program in cancer research - Structure of bacterial envelopes
- P01CA-07175-11 0002 Cancer research at the McArdle laboratory - Molecular biology of bacterial viruses (slime molds, bacteriophage)
- ** P01CA-12227-04 0018 Core program in carcinogenesis - Effect of chemical agents on bacterial and animal cell DNA (also human)
- R01CA-12627-05 Polynucleotides and nucleic acids (bacteria)
- R01CA-12717-03 The interaction of 4NQO and DNA (bacillus subtilis)
- R01CA-13015-03 Molecular basis of tumorigenesis (bacteria, plants)
- R01CA-13094-03 Oncogenic transformation and the cell envelope
- P01CA-13106-03 0004 Cold Spring Harbor laboratory cancer research center - Molecular genetics section
- R01CA-14516-02 Genetics and biochemistry of tumor induction (bacteria, plants)
- P02CA-15145-01 0050 Cancer center support grant - Studies on DNA membrane receptor complex (bacteria)
- ** R01CA-15168-01 Interactions of satellite phage P4 and its helper, P2
- ** R01DE-03189-04 Bacteriophages and bacteriocins of cariogenic streptococci
- ** R01DE-03456-03 Viruses of cariogenic streptococci
- R01DE-03606-06 Morphogenesis of phage Phi 29 and its infectious DNA
- R23DE-03697-02 A genetic approach to the study of Streptococcus mutans
- ** R01FD-00153-08 Fish spoilage and related bacteria (human, cattle)
- R01GM-10317-12 Biochemistry of sulfonium compounds (bacteria)
- R01GM-11946-12 Properties of transforming and infectious DNAs (microorganisms)
- R01GM-12607-10 Protein structure and biological function (human, microorganisms, mice)
- R01GM-14426-08 Lysogeny and operon expression (viruses, E coli)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** R01GM-14711-08** Structure and replication of DNA
R01GM-15766-07 Regulatory mechanisms in E coli
R01GM-18936-04 Circular DNA elements in *Bacillus megaterium* (bacteria)
R01GM-18953-03 Specific M-RNA control by canavanine and arginine (bacteria)
**** R01GM-18958-06** Mechanisms of phage RNA-stimulated protein synthesis
R01GM-19078-03 Gene amplification and membrane proteins (bacteria)
R01GM-19195-02 RNA sequence analysis and base-specific antibodies
R01HL-03919-16 The cell surface of streptococci
P01HL-12157-07 0016 Functions and mechanisms of cell membrane ion transport - Kinetics and thermodynamics of valinomycin induced cation permeability
- VIRUSES, BACTERIOPHAGE FD***
**** R01AI-09049-06** Physical chemistry of viruses and their components
**** P01GM-10403-12 0009** Biophysical studies on viral structure and function - FD bacteriophage
**** R01GM-20312-02** Enzyme localization in microorganisms (E coli, bacteriophage fd)
- VIRUSES, BACTERIOPHAGE LAMBDA***
**** R01AI-04509-13** Biochemical genetic studies of virus multiplication
R01AI-04557-13 Transformation in hemophilus influenzae (E coli, bacteriophage)
R01AI-05367-12 Gene interaction in bacteria and phage
R01AI-08572-07 Transfection of E coli and its applications (bacteriophage)
M R01AI-08573-07 Genetics of lambda prophage
**** R01AI-08573-07 0001** Genetics of lambda prophage - Terminal duplication phages
**** R01AI-08573-07 0002** Genetics of lambda prophage - Regulation of prophage insertion
**** R01AI-08573-07 0003** Genetics of lambda prophage - Phage growth on hosts
**** R01AI-08573-07 0004** Genetics of lambda prophage - Regulation of the biotin operon
**** R01AI-08573-07 0005** Genetics of lambda prophage - Biotin biosynthesis
**** R01AI-10019-04** Rex, a lambda gene not subject to cl repression (bacteriophage)
**** R01AI-10514-03** An endonuclease synthesized by bacteriophage
R01AI-11344-02 Phage-host interactions and control of phage growth
**** R01AI-11459-02** Host and viral influences phage lambda and P1 development
**** P02CA-06519-12 0023** Radiation therapy and biology research program - Characteristics of a strain of E coli K12 carrying recA ts
P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
R01CA-16896-16 Genetics of bacteria (bacteriophage)
R01GM-09541-13 Role of ribonucleic acid in protein synthesis
R01GM-14358-08 Physicochemical and genetic studies of DNA function (bacteria, bacteriophage)
R01GM-14426-08 Lysogeny and operon expression (viruses, E coli)
**** P01GM-15423-07 0037** Molecular basis of control mechanisms - DNA molecules in intact phages
P01GM-15423-07 0050 Molecular basis of control mechanisms - New approaches to lambda recombination
R01GM-15905-07 Initiation of chromosome replication (E coli)
R01GM-16648-06 Cell-free systems for the study of gene regulation (E coli)
**** R01GM-17078-05** Genetic and chemical studies of phage lambda development
R01GM-18182-03 Biochemical studies on the regulation of DNA function
R01GM-19167-03 Function of bacterial membranes in DNA replication
R01GM-19988-14 0002 Physical studies of nucleic acids and proteins - Physical studies of tandem genetic duplications (bacteriophage lambda)
- VIRUSES, BACTERIOPHAGE M13***
R01AI-08738-06 Control mechanisms in phage-host cell interactions
**** R01AI-10201-04** Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
**** R01AI-10752-03** Regulation of the M13 viral DNA replication (E coli)
- VIRUSES, BACTERIOPHAGE P1***
**** R01AI-08937-06** Stable virus-cell associations (bacteria)
**** R01AI-11459-02** Host and viral influences phage lambda and P1 development
**** R01CA-11673-05** Lysogeny and phage P1
P13DE-02731-08 0003 Development support for dental research institute - Dental virology
**** R01GM-19605-02** Generalized and specialized transduction of E coli genes (human)
- VIRUSES, BACTERIOPHAGE P2***
**** R01AI-04043-13** Genetic studies of phage-prophage interactions
- ** R01AI-08722-06** Molecular studies on phage P2 and its satellite, P4
R01CA-15168-01 Interactions of satellite phage P4 and its helper, P2
- VIRUSES, BACTERIOPHAGE P22***
**** R01AI-06429-09** Genetic evolution of bacteriophage
**** R01AI-11173-02** Phage P22-in vitro assembly and mode of attachment
**** R01AI-11344-02** Phage-host interactions and control of phage growth
R01CA-16896-16 Genetics of bacteria (bacteriophage)
P01GM-15419-07 0001 Cellular and biochemical genetics - Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals)
**** R01GM-17980-04** Bacteriophage assembly and its genetic control
R01GM-18973-03 DNA replication of phage P22
- VIRUSES, BACTERIOPHAGE PHI-X-174***
R01AI-07073-08 Developmental and genetic defects of immunity (human, rabbits, rats)
**** R01AI-08572-07** Transfection of E coli and its applications (bacteriophage)
**** R01AI-09044-06** Phi X 174 coat proteins
**** R01AI-09736-05** Replication of phi-X-174 bacteriophage
R01AI-09882-03 Role of host cell proteins in synthesis of virus DNA
R01AI-10142-04 Factors that control RNA transcription (bacteria, bacteriophage)
R01GM-12934-10 Synthesis of infectious bacteriophage particles
**** R01GM-13554-09** Structure and replication of bacterial viruses
**** R01GM-17088-05** Molecular mechanisms in DNA replication
- VIRUSES, BACTERIOPHAGE T1***
**** R01AI-04479-13** Protein synthesis following bacteriophage infection
R01AM-15467-03 Transfer RNA and hemoglobin synthesis-trRNA methylation (human, rabbits)
**** R01CA-12561-03** Virus development and translational control
- VIRUSES, BACTERIOPHAGE T1***
**** R01AI-07107-07** Host-controlled variation and transduction with T1
R01AI-07946-08 Phage T4-infected E coli-Heterocatalytic expression
- VIRUSES, BACTERIOPHAGE T2***
R01CA-11811-09 Pharmacology of derivatives of natural compounds (mice, rats)
R01GM-13914-09 0003 Macromolecules of circulatory and genetic importance - Isolation of the bacterial genome (microorganisms)
R01GM-20352-02 Biochemical and genetic bases of cell differentiation (bacteria, rats, mice)
- VIRUSES, BACTERIOPHAGE T4***
R01AI-04886-12 Virus growth and genetics (bacteriophage)
R01AI-05722-11 Replication of the DNA of T-even bacteriophages
**** R01AI-05855-11** Growth and recombination in bacteriophage
**** R01AI-06336-10** Chemistry of phage invasion, structure and assembly
**** R01AI-06875-08** Growth of T4R11 coliphage on *Escherichia coli* K12
**** R01AI-07946-08** Phage T4-infected E coli-Heterocatalytic expression
**** R01AI-08133-17** Phage infection-Deoxyribonucleotide and DNA biosynthesis
**** R01AI-08161-07** Replication and recombination in bacterial viruses
R01AI-08230-07 Enzymology of normal and virus infected bacteria
R01AI-08738-06 Control mechanisms in phage-host cell interactions
**** R01AI-09238-06** Biochemistry and genetic control of virus assembly
**** R01AI-09315-10** Protein synthesis in bacteria
**** R01AI-09456-05** Control of messenger RNA synthesis
**** R01AI-09943-04** Genetics of structurally altered phage T4 genomes (bacteria)
R01AI-10019-04 Rex, a lambda gene not subject to cl repression (bacteriophage)
R01AI-10648-03 Replication and transfer of R factor DNA (E coli)
R01AI-10858-03 Viral modification of amino acid activating enzyme (E coli, phages)
R01AI-10902-06 Synthesis and function of organized elements in cells (E coli)
**** R01AI-11577-02** DNA regulation during T4 infection of E coli
**** R01AI-11676-01** Phage T4 head assembly and initiation of infection
**** R01AI-11712-01** Degradation of T4 DNA occurring early in infection
**** R01AI-12056-01** Effects of bacterial viruses on cell membranes
- R01CA-02015-21** Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
R01CA-10055-08 Interaction of viruses with host chromosomes
**** R01CA-10984-06** Structure and function of ribonucleic acids (bacteria, bacteriophage)
R01CA-11371-06 Biochemistry of cell division in bacteria
**** R01CA-12428-04** DNA repair and its relationship to carcinogenesis
R01CA-15573-01 Physicochemical studies of viral nucleocapsid assembly
**** R01CA-16896-16** Genetics of bacteria (bacteriophage)
R01GM-07581-13 Biosynthesis of deoxyribonucleic acid and membranes (bacteria, viruses)
R01GM-09541-13 Role of ribonucleic acid in protein synthesis
P01GM-10403-12 0010 Biophysical studies on viral structure and function - Capsid-polyhead subunits
R01GM-12934-10 Synthesis of infectious bacteriophage particles
**** R01GM-13511-09** Genetic content and recombination of DNA fragments (viruses, bacteria)
**** P01GM-15423-07 0015** Molecular basis of control mechanisms - Lysozyme from phage T4
P01GM-15423-07 0032 Molecular basis of control mechanisms - T4 phage lysozymes
**** P01GM-15423-07 0037** Molecular basis of control mechanisms - DNA molecules in intact phages
**** R01GM-16306-06** Organization and expression of the genome of bacteriophage T4 (E coli)
**** R01GM-17020-06** Genetic control of bacteriophage development
R01GM-17892-04 Regulation of bacterial metabolism
**** R01GM-17980-04** Bacteriophage assembly and its genetic control
R01GM-18386-04 Nucleic acids and nucleoproteins (viruses, bacteria)
**** R01GM-18776-03** Bacteriophage T4 morphogenesis and packing of DNA
**** R01GM-18842-03** Genetic control of phage T4 DNA replication
R01GM-19795-02 Molecular mechanisms of frameshift mutation (bacteriophage)
**** R01GM-19963-02** Regulation of bacteriophage T4 gene expression (E coli)
R01GM-20418-01 Method for determining units of transcription
**** R01GM-21422-01** Error correction in replicating T4 bacteriophage
- VIRUSES, BACTERIOPHAGE T5***
**** R01AI-08572-07** Transfection of E coli and its applications (bacteriophage)
R01CA-02015-21 Nucleotide and nucleic acid metabolism (bacteria, bacteriophage)
- VIRUSES, BACTERIOPHAGE T7***
**** R01AI-10243-04** Control of gene expression in viral infection
R01AI-10768-03 The genetics of plasmid transfer and replication
P02CA-06519-12 0050 Radiation therapy and biology research program - Molecular mechanism in the control of viral gene expression
P01CA-16038-01 0010 Program on the molecular basis of viral transformation - Control of transcription and translation (bacteriophage)
R01GM-12934-10 Synthesis of infectious bacteriophage particles
**** R01GM-17088-05** Molecular mechanisms in DNA replication
R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
- VIRUSES, BACTERIOPHAGE, COLIPHAGES***
**** R01AI-10201-04** Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1)
**** P02CA-06519-12 0085** Radiation therapy and biology research program - Single-stranded DNA bacteriophage and animal viruses
- VIRUSES, BACTERIOPHAGE, PROPHAGE***
R01AI-02457-16 Methicillin resistance in staphylococci
R01AI-03038-15 Control functions of bacteriophages and bacteriocins
**** R01AI-04043-13** Genetic studies of phage-prophage interactions
R01AI-04557-13 Transformation in hemophilus influenzae (E coli, bacteriophage)
R01AI-05367-12 Gene interaction in bacteria and phage
**** R01AI-07875-08** Mechanisms of prophage integration and recombination (bacteria)
R01AI-08572-07 Transfection of E coli and its applications (bacteriophage)
M R01AI-08573-07 Genetics of lambda prophage
R01AI-08573-07 0002 Genetics of lambda prophage - Regulation of prophage insertion
R01GM-14426-08 Lysogeny and operon expression (viruses, E coli)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

VIRUSES, BACTERIOPHAGE, STAPHYLOCOCCAL PHAGES*

R01AI-03093-15 Staphylococcal and staphylophage genetics

VIRUSES, CORONAVIRUSES

** R01AI-11829-01 Infectivity and interrelationships of coronaviruses (human)
 R01CA-14517-02 Cell fusion—Mechanism and oncogenic significance
 M01RR-00722-02 0034 General Clinical Research Center - Multiple sclerosis (human)

VIRUSES, CORONAVIRUSES, HEPATITIS VIRUS MOUSE

** R01CA-14715-01 Spontaneous mouse hepatomas and latent MHV virus
 ** R01NS-08838-05 Demyelinating disease caused by virus (mice)
 R01NS-08997-05 0002 Fine structural alterations in CNS viral disease - Virus induced demyelinating disease (hepatitis virus, mice)
 P01NS-10920-02 0005 Development and regeneration in the nervous system - Development of neuronal cell body (rats, dogs)
 P01NS-10920-02 0011 Development and regeneration in the nervous system - Fetal and mature CNS cells and their interaction with viruses (human, mice)
 P01NS-10920-02 0018 Development and regeneration in the nervous system - Remyelination after experimental demyelination (mice)

VIRUSES, DIPLORNA

SEE ALSO VIRUSES, ARBOVIRUSES, BLUETONGUE VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES, COLORADO TICK FEVER VIRUS

SEE ALSO VIRUSES OF INSECTS, POLYHEDRAL VIRUS

SEE ALSO VIRUSES OF PLANTS, WOUND TUMOR VIRUS

R01AI-00634-21 Chemistry of virus mutation
 R01AI-08697-06 The role of mononuclear leucocytes in viral immunity (human, mice, rabbits)
 ** R01AI-10132-04 Replication and encapsidation of reovirus RNA
 R01AI-11839-02 Molecular biology of vaccinia virus replication
 ** P01CA-08748-09 6701 Research program of Sloan-Kettering Institute - RNA synthesis in reovirus-infected mouse fibroblasts
 ** P01CA-10815-06 0050 Consolidated basic cancer research program - Protein initiation in reovirus mRNA (human cells)
 P01CA-13330-03 0040 Cancer research program - Reovirus and friend leukemia (mice, rats)
 P01CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
 R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
 ** R01CA-13768-02 Cytotoxic viruses in cancer diagnosis and therapy
 P01CA-14733-02 0004 Control of gene expression, virus replication and cell growth - Transcription in interferon-induced antiviral activity (chickens, mice)
 P01CA-14733-02 0006 Control of gene expression, virus replication and cell growth - Measurements of the secondary structure of RNA
 P01CA-14733-02 0023 Control of gene expression, virus replication and cell growth - Protein-nucleic acid interactions (mammals)
 P01CA-16038-01 0005 Program on the molecular basis of viral transformation - Isolation and purification of interferon (mice)
 R01CA-16890-01 Chemotherapeutic deoxyribonucleosides
 ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
 R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
 R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)

VIRUSES, DIPLORNA, REOVIRUS 3

** R01AI-10326-04 Genetic and biochemical studies of Reovirus
 ** P01CA-08748-09 6707 Research program of Sloan-Kettering Institute - Multiplication of reovirus temperature-sensitive mutants
 ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
 R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)

VIRUSES, DNA VIRUSES (GENERAL)

SEE ALSO NUCLEIC ACIDS, DNA VIRAL

R01AI-05722-11 Replication of the DNA of T-even bacteriophages
 M R01AI-10947-03 Metabolism of cells infected with nuclear DNA viruses
 R01AI-11427-01 Virus replication and transformation
 R01AI-11676-01 Phage T4 head assembly and initiation of infection

R01AI-11839-02 Molecular biology of vaccinia virus replication
 R01CA-08936-08 Effect of chemical carcinogens on cells in vitro (human, rodents, viruses)
 P01CA-10815-06 0007 Consolidated basic cancer research program - Characterize antigens of virus transformed cells (human, laboratory animals)
 P01CA-10815-06 0008 Consolidated basic cancer research program - Isolate and characterize T antigen (human, hamsters, mice)
 P01CA-10815-06 0059 Consolidated basic cancer research program - Genetic linkage between oncorna viruses and mammalian chromosomes (human, mice)
 P01CA-10893-06 0014 Cancer Research Center - Viral genes involved in cell transformation (monkeys, mice, hamsters)
 M P01CA-12174-04 Growth and cell control processes
 ** R01CA-13168-03 Insertion of foreign DNA into oncogenic viral DNA
 P01CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
 ** R01CA-15038-01 Interaction of DNA tumor viruses and cell genomes
 P02CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
 ** R01CA-15365-01 Surface changes in virus transformed cells (SV40, viruses, monkey, HeLa cells)
 ** R01CA-15743-01 Oncogenic mechanisms—SV40 and host genetic analysis
 M P01CA-16038-01 Program on the molecular basis of viral transformation
 ** P01CA-16038-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
 ** P01CA-16181-01 Oncogenic DNA virus transcription in vitro
 M P01CA-16239-01 Biosynthesis in normal and virus-transformed cells
 P01CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
 ** P01CA-16359-01 0048 Cancer center support grant - DNA viruses which affect lymphocytes (guinea pigs)
 N01CM-22062-05 Procurement of embryonic cell lines with variable growth rates (mice, rats)
 ** N01CP-02024-11 Study oncogenic potential of defective viruses (human, mice, hamsters)
 N01CP-43240-00 Roles of viruses and chemical in the etiology of cancer
 N01CP-43299-00 Cells transformed by DNA and RNA tumor viruses
 ** N01CP-43333-00 Immunological assay for DNA and RNA virus
 N01CP-43359-01 Study of oncogenesis
 P10ES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (human)
 R01GM-21070-01 Control of DNA replication in animal cells and virus

VIRUSES, HEPATITIS

SEE ALSO LIVER DISORDERS, HEPATITIS SERUM

SEE ALSO LIVER DISORDERS, HEPATITIS VIRAL HUMAN

SEE ALSO VACCINES, VIRAL, HEPATITIS

SEE ALSO VIRUSES, ARBOVIRUSES, EQUINE INFECTIOUS

ANEMIA VIRUS

SEE ALSO VIRUSES, CORONAVIRUSES, HEPATITIS VIRUS

MOUSE

SEE ALSO VIRUSES, DIPLORNA, REOVIRUS 3

R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
 ** R01AI-03874-14 Measles virus or other virus infections (rabbits, mice, monkeys)
 R01AI-10894-03 Hepatitis, HAA and anti-HAA in mothers and infants
 ** R01AI-11265-02 Etiology of viral hepatitis (human, goats, guinea pigs)
 ** R01AI-11472-01 Hepatitis associated antigen (human, mice, rats, hamsters)
 ** P17AM-17702-01 0009 Hepatitis cirrhosis center - Australia antigen in molluscs (clams)
 ** P01CA-06927-12 0002 Biological and biochemical program in cancer research - Australian antigen, hepatitis virus and its relation to leukemia (rabbits)

VIRUSES, HERPESVIRUSES

SEE ALSO NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE

** R01AI-06246-10 Latency in herpes virus infection of cells and tissues (mice)
 ** R01AI-10883-03 Herpes virus replication in synchronized cell cultures
 R01AI-11513-01 The mechanism of virus induced cell fusion
 P01AI-12381-01 0014 Center for study of sexually transmitted diseases - Cytomegalovirus infections of the female genital tract
 N01AI-81266-12 Interferon inducers in herpetic infections of eyes
 R01AM-12049-08 Experimental program in rheumatoid arthritis (human)
 R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies

P02CA-05826-13 0037 Clinical cancer research center - Cancer immunobiology-immunovirology of human cancer
 ** P02CA-06516-12 0032 Cancer center support grant—Comprehensive - Characterization of endogenous Herpes virus (hamster)
 R01CA-06709-12 Avian leukosis complex (poultry)
 ** P02CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Lucke tumor (frogs)
 ** P02CA-08480-09 0009 Childhood cancer research center - Studies of herpes virus (frogs, rabbits)
 ** P01CA-08748-09 6803 Research program of Sloan-Kettering Institute - Cytoplasmic antigens of herpesvirus in cancer cells (human)
 ** P01CA-08748-09 6906 Research program of Sloan-Kettering Institute - Herpes-like virus-detection of antibodies by immunofluorescence
 P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in polkiotermic vertebrate cells or viruses
 ** P01CA-10893-06 0017 Cancer Research Center - Herpesvirus and cervical cancer
 ** P01CA-11489-05 Program of epidemiological research in cancer
 R01CA-11703-05 Cervical cancer epidemiology and genital infections (human)
 R01CA-11901-04 Pathology of tumorigenesis in developing embryos (frogs)
 ** P02CA-12197-03 0022 Multidisciplinary oncology research center - Thermoregulation of animal virus-cell interaction (frogs)
 ** P02CA-12197-03 0031 Multidisciplinary oncology research center - Herpes viruses, Lucke renal adenocarcinoma and cervical cancer (human, anurans)
 R01CA-12952-03 E-B and other viruses in cancer
 ** P01CA-13095-03 0001 Virology, immunobiology and biochemistry of renal cancer - Viruses and neoplasms of the urinary tract (human)
 P01CA-13095-03 0004 Virology, immunobiology and biochemistry of renal cancer - Establish tissue and serum bank (human, mammals nonhuman)
 ** P02CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
 P02CA-13148-03 0070 Pilot cancer center - Ara-A therapy in immunosuppressed host
 P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
 ** R01CA-13494-02 Cell analysis of some virus-associated tumors of man
 R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
 ** R01CA-13851-02 Hybrid cell studies of malignancy (mice, rabbits)
 R01CA-13865-02 Immune mechanisms in tumor protection (chickens)
 R01CA-14061-02 Chicken lymphocyte alloantigens and viral oncogenesis
 ** R01CA-14427-02 Epidemiology of cervical cancer—Chlamydiae and herpes (human)
 ** P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
 ** R01CA-14794-01 Immune response to oncogenic herpesviruses in monkeys
 R01CA-15370-01 Tumor virus lipids—(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
 R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
 ** R01CA-16193-01 Herpesvirus type 2—immunity and immunoadjuvant therapy (mice)
 P01CA-16359-01 0009 Cancer center support grant - DNA heteroduplex analysis of herpesvirus genomes
 P01CA-16359-01 0048 Cancer center support grant - DNA viruses which affect lymphocytes (guinea pigs)
 R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
 N01CB-43943-00 Detection of abnormal cervical cells
 N01CM-12123-05 Viral studies in support of cancer chemotherapy patients
 ** N01CP-12059-11 Research on oncogenic viruses, virus production and vaccine development
 N01CP-33205-01 Study Marek's disease Herpes virus
 ** N01CP-33247-04 Oncogenesis of herpesvirus and C-type viruses (human, mammals nonhuman)
 N01CP-33290-01 Immunologic and epidemiologic studies on Japanese patients with cancer
 ** N01CP-33316-01 Herpes-type virus in etiology of human cancer
 N01CP-33336-01 Molecular biology of EB virus and related herpes viruses in human malignancies
 ** N01CP-33390-02 Research on herpesviruses causing lymphoma in primates
 ** N01CP-33396-02 Humoral and cellular immunity in herpes virus (primates)
 ** N01CP-43389-00 Studies on Herpesviruses
 R01GM-21326-01 Somatic cell hybrids for studies of human disease
 R01NS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
 ** N01NS-32315-01 Infections in pregnancy (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- PO6RR-00168-13 New England regional primate research center
 PO6RR-00361-08 Reference center for study of primate viruses
- VIRUSES, HERPESVIRUSES, AVIAN INFECTIOUS LARYNGOTRACHEITIS VIRUS**
 RO1ES-00741-02 Interaction of SO2 and virus on respiratory mucosa (chickens)
- VIRUSES, HERPESVIRUSES, CYTOMEGALOVIRUSES**
 R01AI-01023-18 Pathogenic agents using in vitro techniques (rats)
 R01AI-08648-06 Pathogenesis and epidemiology of simian viruses (primates)
 ** R01AI-09095-06 Host alterations during cytomegalovirus infection (mice)
 R01AI-10947-03 0003 Metabolism of cells infected with nuclear DNA viruses - Genome of human cytomegalovirus
 ** R01AI-10997-01 Pathogenesis of cytomegalovirus infection (monkeys, human)
 ** R01AI-11111-02 Immunology of congenital cytomegalovirus disease
 R01AI-11277-02 Cultivation of Pneumocystis carinii from cancer patients (rats, rabbits)
 ** R01AI-11798-01 Latency and reactivation of cytomegalovirus infection (mice)
 P01AI-12192-01 0005 Venereal disease research - Nongonococcal urethritis (human)
 ** P01AI-12192-01 0006 Venereal disease research - CMV, HSV, chlamydia, cohort study of infection and disease
 ** P01AI-12381-01 0014 Center for study of sexually transmitted diseases - Cytomegalovirus infections of the female genital tract
 N01AI-22518-03 Research antiviral substances and animal systems
 N01AI-42524-00 Research antiviral substances and animal systems
 N01AI-90089-07 Certification of viral reagents
 R01AM-09810-09 Membrane antigens and autoantibodies (human)
 P02AM-13083-06 0104 Organ transplantation - Clinical-virological correlations
 ** N01AM-32218-01 Cytomegalovirus and herpes simplex virus infection of hemodialysis patients
 P01CA-08748-09 6521 Research program of Sloan-Kettering Institute - Morphology of herpes simplex and cytomegalovirus in WI38 cells
 R01CA-11703-05 Cervical cancer epidemiology and genital infections (human)
 R01CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
 P02CA-13148-03 0019 Pilot cancer center - Herpes viruses of man (also mice, hamsters)
 P02CA-13148-03 0020 Pilot cancer center - Immunology of chronic viral infections
 ** P02CA-13148-03 0023 Pilot cancer center - Silent herpetic cervical infections in pregnant women
 P02CA-13148-03 0070 Pilot cancer center - Ara-A therapy in immunosuppressed host
 R26CA-16365-01 Etiology of prostate tumors (human, rabbits)
 N01CM-12123-05 Viral studies in support of cancer chemotherapy patients
 P11GM-15759-08 0052 Clinical pharmacology in rheumatic and muscular diseases - Immunologic abnormalities induced by post-perfusion cytomegalovirus infection
 ** N01HB-22906-03 Development of detection systems for cytomegalovirus (human, mammals)
 ** N01HB-22908-03 Detection systems for cytomegalovirus as transmitted by blood transfusions
 ** N01HB-22909-02 Detection systems for cytomegalovirus transmitted in blood (human)
 ** N01HB-22910-04 Relationship of blood transfusion to cytomegalovirus infection (human)
 ** N01HB-22911-03 Cytomegalovirus in human leukocytes and other tissues
 ** N01HB-22912-04 Relationship of blood transfusion to cytomegalovirus infection and disease
 R01HD-00622-10 Human chromosomal defects - Epidemiology and etiology
 R01HD-01687-09 Pathogenesis of infection in human maldevelopment
 P01HD-02274-08 0009 Mental retardation and child development - Epidemiology of abnormal fetal development (human)
 ** R01HD-04183-04 Persistent congenital and neonatal virus infections (human)
 ** R01HD-07070-02 Cytomegalovirus in the development of the CNS (human)
 R01HD-08182-05 Virus effects on the fetal nervous system (mice, swine, guinea pigs)
 ** P01HL-05435-14 0002 Cardiovascular research and training program - Virology (human)
 P01HL-09011-11 0018 A research and resource program in blood - Laboratory of epidemiology
 P17HL-14212-04 0003 Correlated studies of pulmonary disease - Pathology and pathogenesis of pulmonary fibrosis (human, rats)
 ** N01NS-32315-01 Infections in pregnancy (human)
- ** M01RR-00086-12 0011 General clinical research center - children - Long-term effects of cytomegalovirus infection in the newborn
 M01RR-00240-10 0115 General clinical research center - Children - Treatment of congenital cytomegalovirus and herpes infection
 ** M01RR-00425-06 0077 General clinical research center - Cytomegalovirus immunology (human)
 M01RR-00827-01 0018 General clinical research center - Chemotherapy of herpesvirus infections (human)
- VIRUSES, HERPESVIRUSES, EB VIRUS**
 SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS
 SEE ALSO BLOOD AND RE NEOPLASMS, LYMPHOMA, BURKITT'S
 R01AI-06706-07 0003 Cellular immunity in viral diseases - Cellular immunity in viral diseases (human, dogs)
 R01AI-08731-04 Pharyngeal excretion of EB virus (human)
 ** R01AI-09576-05 Chemical and serological studies of lymphocyte surfaces (human)
 ** R01AI-11611-01 Clinical virology of Epstein-Barr virus infections (human)
 ** R01AM-16029-01 E-B virus antibodies in connective tissue diseases
 ** R01AM-16030-01 EBV and other viruses in connective tissue diseases
 ** R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
 P02CA-05837-12 0004 Cancer clinical research - Epidemiologic oncology (human)
 P01CA-08748-09 6906 Research program of Sloan-Kettering Institute - Herpes-like virus-detection of antibodies by immunofluorescence
 P01CA-10893-06 0016 Cancer Research Center - Molecular biology of herpesviruses (hamsters)
 ** R01CA-12055-03 EB virus (monkeys)
 P01CA-12093-04 0007 Immunobiology of cancer - Viral oncology and immunology (hamster, human, chick embryo)
 R01CA-12689-03 Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, huma
 ** R01CA-12952-03 E-B and other viruses in cancer
 R01CA-13339-02 Host defenses against lymphoblastic leukemia (human, mice)
 ** R01CA-13431-03 Herpes virus nucleic acids in human tumors
 R01CA-13494-02 Cell analysis of some virus-associated tumors of man
 P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
 ** P01CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction - Abnormal viral DNA replication
 ** P01CA-14599-01 0003 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction - Lymphocyte growth potential
 ** R01CA-14944-02 Alterations of lymphocytes in Marek's disease (chickens)
 ** R01CA-15038-01 Interaction of DNA tumor viruses and cell genomes
 ** R01CA-15281-01 Oncogenicity of Epstein-Barr virus (human, monkeys)
 ** P01CA-15655-01 0004 Cancer center support grant - Host variables in response to herpes and mitogens (human)
 P01CA-15655-01 0006 Cancer center support grant - Relationship between frequency of antibody and cancer (human)
 ** P01CA-16038-01 0006 Program on the molecular basis of viral transformation - Host and viral factors in oncogenesis by EB virus (human, mammals)
 P01CA-16359-01 0048 Cancer center support grant - DNA viruses which affect lymphocytes (guinea pigs)
 M01CM-71343-12 Development of a lymphoma treatment center
 ** M01CP-02076-14 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
 ** M01CP-22068-04 Develop methods of producing purified oncogenic herpes viruses (rabbit, hamster)
 ** M01CP-33205-01 Study Marek's disease Herpes virus
 M01CP-33247-04 Oncogenesis of herpesvirus and C-type viruses (human, mammals nonhuman)
 ** M01CP-33272-01 Propagation and seroepidemiology of EB virus
 ** M01CP-33336-01 Molecular biology of EB virus and related herpes viruses in human malignancies
 M01CP-43252-00 SVCP back-up laboratory
 ** M01CP-43292-00 International investigation on the epidemiology of lymphomas
 M01CP-43296-00 Sero-epidemiological studies on nasopharyngeal carcinoma (human)
 ** M01CP-43319-00 Immunological characterization of EBV antigen (rabbits)
 P01GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
 ** P01GM-20124-02 0009 Center for human genetics and inherited disease - Cell lines from cells by infection with Epstein-Barr virus (human, rodents)
 R01HD-00384-16 Ontogeny of immune mechanisms (mice, rats)
 R01HD-04183-04 Persistent congenital and neonatal virus infections (human)
- P17HL-14169-04 0008 Pulmonary disease center - Pulmonary pathology (human)
 M01HR-42955-00 In vitro test for sarcoidosis (human)
 P01NS-03360-14 0047 Neurological clinical research center - Epilepsy - Pharmacology-Toxicology of diphenhydantoin (human, tissue culture)
- VIRUSES, HERPESVIRUSES, EQUINE RHINOPNEUMONITIS VIRUS**
 R01AI-02032-17 Nucleic acids of herpesvirus infected cells (hamsters)
 R01AI-10883-03 Herpes virus replication in synchronized cell cultures
 ** R01HL-06943-12 Vascular permeability (rodents)
- VIRUSES, HERPESVIRUSES, HERPES SIMPLEX VIRUS**
 SEE ALSO VIRUS DISEASES, HERPESVIRUS, HERPES SIMPLEX
 R01AI-01992-17 Viral cytopathogenicity - Mechanisms and applications (human, hamsters)
 ** N01AI-02131-05 Study of interferon and interferon inducers (rabbits, mice)
 R01AI-05629-12 Chemistry of the interferon molecule (mice)
 R01AI-06814-09 Electron microscopy of virus-host interactivity
 R01AI-11714-01 Virus-antibody complexes and chromatography (mice)
 R01AI-12005-01 Nonbacterial infections in obstetrics (human)
 ** P01AI-12192-01 0006 Venereal disease research - CMV, HSV, chlamydia, cohort study of infection and disease
 N01AI-22518-03 Research antiviral substances and animal systems
 N01AI-42524-00 Research antiviral substances and animal systems
 ** N01AM-32218-01 Cytomegalovirus and herpes simplex virus infection of hemodialysis patients
 R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
 ** P02CA-06519-12 0103 Radiation therapy and biology research program - Viral gene products in herpesvirus-infected cells
 R01CA-08494-09 Mechanisms of viral infection in relation to cancer
 P01CA-08748-09 6521 Research program of Sloan-Kettering Institute - Morphology of herpes simplex and cytomegalovirus in WI38 cells
 ** P01CA-10893-06 0016 Cancer Research Center - Molecular biology of herpesviruses (hamsters)
 ** R01CA-11861-05 Control of viral RNA synthesis in herpes virus infection
 R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
 P01CA-12662-03 0001 Cancer research center - Regulation of thymidine kinase in relation to cell division (mice)
 R01CA-12668-03 Pathology of the nucleus and chromosomes in cancer (human)
 ** R01CA-13114-03 Gene addition to mammalian cells using herpes virus
 ** P02CA-13148-03 0023 Pilot cancer center - Silent herpetic cervical infections in pregnant women
 P02CA-13148-03 0070 Pilot cancer center - Ara-A therapy in immunosuppressed host
 P01CA-12330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
 ** R01CA-13397-03 Cervical carcinoma - Immunology and biophysics (Herpes virus, human, hamsters)
 ** R01CA-13431-03 Herpes virus nucleic acids in human tumors
 P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
 R01CA-14620-02 Mechanisms of oncogenic virus gene expression (rabbits)
 R01CA-14888-01 Herpes genitalis in the adolescent vs mature monkey
 R01CA-14944-02 Alterations of lymphocytes in Marek's disease (chickens)
 R01CA-15523-01 Therapeutic/toxic action of electron emitting nucleides (rodent, virus, rabbit)
 R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
 ** P01CA-16038-01 0011 Program on the molecular basis of viral transformation - Host-dependent herpesvirus mutants
 ** P01CA-16038-01 0012 Program on the molecular basis of viral transformation - Structure of herpesvirus genomes
 R26CA-16365-01 Etiology of prostate tumors (human, rabbits)
 ** R01CA-16902-01 Biochemistry of herpes virus-induced cell fusion
 M01CP-33257-03 Viral etiology of human malignancies (monkeys)
 ** M01CP-33314-01 Role of herpes simplex virus in human malignancies
 ** M01CP-33345-01 Herpesvirus antigens and virions in human cervix carcinoma
 ** M01CP-43330-00 Cellular immunity to herpes simplex antigens in cancer patients and controls
 ** M01CP-43379-00 Cervical neoplasia and human herpes simplex virus type 2
 M P13DE-02623-08 Center for oral health research (contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P13DE-02623-08 0018 Center for oral health research - Biochemistry of morphogenesis in oral micro-organisms (rats)
- ** P13DE-02623-08 0024 Center for oral health research - Replication of herpes simplex virus (type 1 oral) in synchronized mammalian cell
- ** R01DE-03924-01 Immunology of oral herpes simplex virus-1 infection (mice)
- ** R01EY-00186-20 Viral keratoconjunctivitis and related disorders (human)
- R01EY-00195-17 Response of corneal stroma to injections of proteins (rabbits)
- ** R01EY-00427-05 Analysis of problems in ocular inflammatory disease (human, rabbits)
- ** R01EY-00773-03 Ocular Herpes simplex keratitis (rabbits)
- R01EY-00840-03 Loss of vision due to corneal inflammation (human)
- R01EY-01226-01 Role of complement in keratitis (rabbits, human)
- R01HD-04110-04 Virus induced disorders of growth and development (mice)
- R01NS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
- P01NS-10920-02 0012 Development and regeneration in the nervous system - Development of resistance to encephalitis (mice)
- ** R01NS-11455-05 Herpesvirus hominis encephalitis (human, rabbits, mice)
- N01NS-22301-02 Cytologic and immunologic studies of herpes virus induction of cancer (monkeys)
- ** N01NS-22306-03 Herpes virus induction of cervical cancer in the Cebus monkey
- P06RR-00130-11 Animal resource support for bio-medical research
- M01RR-00827-01 0018 General clinical research center - Chemotherapy of herpesvirus infections (human)

VIRUSES, HERPESVIRUSES, PSEUDORABIES VIRUS

- ** R01AI-10947-03 0001 Metabolism of cells infected with nuclear DNA viruses - Nonstructural sulfated glycoproteins
- ** R01AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)

VIRUSES, HERPESVIRUSES, VARICELLA-ZOSTER VIRUS

- SEE ALSO VIRUS DISEASES, HERPESVIRUS, CHICKENPOX
- R01AI-01023-18 Pathogenic agents using in vitro techniques (rats)
- R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- R01AI-05629-12 Chemistry of the interferon molecule (mice)
- ** R01AI-09785-04 Criteria for use of zoster immune globulin (human)
- ** R01AI-10252-04 Varicella-Epidemiology and pathogenesis (human, monkeys)
- ** N01AI-42527-00 Evaluate human interferon in disseminated varicella-zoster infections
- ** R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
- ** P02CA-05438-13 0028 Clinical radiotherapy cancer research center - Herpes-Zoster infections control (human)
- ** P02CA-08480-09 0030 Childhood cancer research center - Varicella-Zoster and herpesvirus infections in children with cancer
- ** P02CA-12247-03 0015 Pediatric oncology center - Infectious disease control (human)
- P02CA-13148-03 0070 Pilot cancer center - Ara-A therapy in immunosuppressed host
- N01CP-43209-00 Viruses in cancer etiology (human, mammals nonhuman)
- M01RR-00032-14 0069 General clinical research center - Ara-A in treatment of herpes zoster in patients without immunosuppression
- ** M01RR-00070-12 0041 General clinical research center - Zytosar for disseminated herpes zoster
- M01RR-00070-12 0088 General clinical research center - Interferon therapy in herpes Zoster in immunosuppressed patients
- M01RR-00827-01 0018 General clinical research center - Chemotherapy of herpesvirus infections (human)

VIRUSES, LEUKEMIA (GENERAL)

- ** P02CA-12924-03 0032 Tufts cancer research center - Immunologic activation of leukemia viruses
- N01CP-33283-02 Search for hybridizable tumor virus DNA in tissues from cancer patients
- ** N01CP-43269-00 Isolating type C virus from cultured human leukemic cells
- R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)

VIRUSES, MYXOVIRUSES (INCLUDING RELATED VIRUSES)

- R01AI-01528-18 New viruses in relation to clinical disease
- ** R01AI-05343-11 Multiplication of paramyxoviruses
- R01AI-09484-05 Chronic neurologic disorders caused by persistent viral infection (mice)

- ** R01AI-10945-03 Immunochemistry of virus receptors and infected cells (human)
- ** R01AI-11127-02 Control mechanisms in paramyxovirus replication
- N01AI-90089-07 Certification of viral reagents
- ** P02CA-08480-09 0006 Childhood cancer research center - Multiplication and genetics of myxoviruses (chickens)
- ** P02CA-08480-09 0010 Childhood cancer research center - Myxovirus-antibody interactions (rats, rabbits)
- P01CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
- R01NS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)
- ** P01NS-11766-01 0004 Clinical research center for neuromuscular disease - Possible viral etiology of polymyositis (human, mice)

VIRUSES, MYXOVIRUSES, DISTEMPER VIRUS CANINE

- SEE ALSO NERVOUS DISORDERS CENTRAL, DISTEMPER, CANINE
- R01AI-06706-07 0003 Cellular immunity in viral diseases - Cellular immunity in viral diseases (human, dogs)
- ** R01AI-09022-06 Model of parainfections demyelinating encephalitis (dogs)
- ** R01AI-11741-01 Proteins of measles and canine distemper viruses
- R01HL-14305-03 Viruses in chronic cardiovascular disease (human, dogs)
- P01NS-11766-01 0004 Clinical research center for neuromuscular disease - Possible viral etiology of polymyositis (human, mice)
- P06RR-00130-11 Animal resource support for bio-medical research

VIRUSES, MYXOVIRUSES, INFLUENZA VIRUSES

- SEE ALSO VACCINES, VIRAL, INFLUENZA VIRUS VACCINES
- SEE ALSO VIRUS DISEASES, MYXOVIRUS, INFLUENZA
- R01AI-00634-21 Chemistry of virus mutation
- R01AI-04059-13 0001 Viral respiratory diseases - Characterization of viruses causing common respiratory diseases in man
- ** R01AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
- R01AI-06544-10 Genetics and regulation of antibody formation (mice)
- R01AI-06814-09 Electron microscopy of virus-host interactivity
- ** R01AI-08831-06 Origin of pandemic influenza viruses (birds, swine)
- ** R01AI-10097-04 oncornaviruses
- R01AI-10692-03 Transcription and replication of animal RNA viruses
- ** R01AI-10884-03 Influenza virus structure, biosynthesis, and assembly
- ** R01AI-11674-01 Recombinant influenza virus infections in animals (turkeys)
- ** R01AI-11772-01 Replication of influenza virus (rabbits)
- ** R01AI-11849-01 Laboratory marker of influenza virus virulence
- N01AI-32506-02 Evaluation of respiratory virus vaccines (human)
- ** N01AI-32516-01 Preparation of antagonist to isolated H and N subunits of influenza viruses
- ** N01AI-42510-01 Isolation and purification of polypeptide antigens of influenza virus
- ** N01AI-42542-00 Development of 'An in vitro assay of attenuation of live influenza viruses'
- N01AI-42543-00 Detection of respiratory virus genome in human tissues
- P01CA-08748-09 5305 Research program of Sloan-Kettering Institute - Structure and molecular organization of biological membranes (viruses)
- ** P01CA-08748-09 6703 Research program of Sloan-Kettering Institute - RNA protein synthesis in influenza virus-infected canine kidney cells
- R01CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
- ** R01CA-11426-06 Structure and replication of Rous sarcoma and influenza virus (chickens)
- R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
- R01CA-12952-03 E-B and other viruses in cancer
- R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
- P01CA-14097-02 0005 Cancer research program-Viruses; control mechanisms - Structure and replication of cytocidal and RNA tumor viruses
- P01CA-15822-01 0002 Immunobiology of normal and neoplastic lymphocytes - B-cell immunology
- N01CM-12123-05 Viral studies in support of cancer chemotherapy patients
- N01CP-22020-04 Cell biology facilities and tumor immunology (human, mammals nonhuman)
- P01ES-00628-04 0002 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to viral infections (mice)
- P17HL-14212-04 0003 Correlated studies of pulmonary disease - Pathology and pathogenesis of pulmonary fibrosis (human, rats)

- P01NS-11766-01 0004 Clinical research center for neuromuscular disease - Possible viral etiology of polymyositis (human, mice)
- ** N01NS-32315-01 Infections in pregnancy (human)
- N01NS-42300-02 Delivery of antigens and viral diagnostic reagents

VIRUSES, MYXOVIRUSES, INFLUENZA VIRUSES, PR8

- ** R01AI-09304-06 Influenza virus and experimental influenza (mice, rabbits)
- ** P02CA-08480-09 0010 Childhood cancer research center - Myxovirus-antibody interactions (rats, rabbits)
- ** M01RR-00044-14 0065 General clinical research center - Virulence of influenza A (H3N2) TS-1(E) virus (human)

VIRUSES, MYXOVIRUSES, MEASLES VIRUS

SEE ALSO NERVOUS DISORDERS, DEMYELINATION, SUBACUTE SCLEROSING PANENCEPHALITIS

SEE ALSO VACCINES, VIRAL, MEASLES VACCINE

SEE ALSO VIRUS DISEASES, MYXOVIRUS, MEASLES

- ** R01AI-00701-18 Measles virus recombination and reactivation
- ** R01AI-03874-14 Measles virus or other virus infections (rabbits, mice, monkeys)
- ** R01AI-06864-09 Molecular basis of measles pathogenesis and immunity
- ** R01AI-11741-01 Proteins of measles and canine distemper viruses
- ** R01AI-12203-01 Characterization of measles virus latency (hamsters, human)
- R01CA-06145-13 0002 Chemotherapy of intracranial neoplasms - Application of brain cell culture
- R01CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
- P01CA-11405-06 0018 Core program on etiology of cancer - Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human)
- R01CA-12952-03 E-B and other viruses in cancer
- R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
- ** R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
- P01NS-10920-02 0012 Development and regeneration in the nervous system - Development of resistance to encephalitis (mice)
- M01RR-00075-11 0040 General clinical research center for children - Studies in subacute sclerosing panencephalitis
- M01RR-00211-10 0029 General clinical research center - Subacute sclerosing panencephalitis (human)

VIRUSES, MYXOVIRUSES, MUMPS VIRUS

- SEE ALSO VIRUS DISEASES, MYXOVIRUS, MUMPS
- ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- R01NS-11551-01 Demyelination and the optic nerve (human)
- ** N01NS-32315-01 Infections in pregnancy (human)

VIRUSES, MYXOVIRUSES, NEWCASTLE DISEASE VIRUS

- R01AI-03534-14 Biochemistry of virus infections
- R01AI-05343-11 Multiplication of paramyxoviruses
- R01AI-06264-10 Cellular resistance to virus infections
- R01AI-07957-09 Interferon and resistance to virus infection
- R01AI-09312-05 Host-cell interaction of animal viruses
- R01AI-10080-04 Immunology and physiology of recirculating lymphocytes (mice, rats)
- R01AI-10282-03 Host factors which modify human interferon response
- R01AI-11127-02 Control mechanisms in paramyxovirus replication
- ** R01AI-11850-04 Tissue culture studies of hepatitis viruses (human)
- R01CA-10467-07 Biochemical events after tumor virus infection
- R01CA-10903-07 Immunochemical studies of malignant tumors (human, rodents)
- R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
- P01CA-14733-02 0004 Control of gene expression, virus replication and cell growth - Transcription in interferon-induced antiviral activity (chickens, mice)
- R01ES-00741-02 Interaction of S02 and virus on respiratory mucosa (chickens)
- P01GM-19527-03 0001 Human genetics - Genetic defects affecting development (mice, sheep)

VIRUSES, MYXOVIRUSES, PARAINFLUENZA VIRUSES

- SEE ALSO VACCINES, VIRAL, PARAINFLUENZA VIRUS VACCINE
- ** R01AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
- N01AI-22504-02 Develop attenuated mutants of RSV and PVV as potential vaccine strains (hamsters)
- R01AM-15159-04 Immunohistopathology of renal diseases (human, rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P02CA-06973-12 0028 Integrated clinical cancer research program 2 Interferon induction and viral inhibitors (mice)
 R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
 R01CA-12447-04 Biological and physical action of radiation on DNA (bacteria)
 R01CA-12952-03 E-B and other viruses in cancer
 ** R01CP-33288-02 Virus typing and diagnostic reagents
 N01GM-32104-02 Develop a latex agglutination technique for rapid diagnosis of viral diseases
 ** R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)

VIRUSES, MYXOVIRUSES, PARAINFLUENZA 1 VIRUSES

- R01AI-05343-11 Multiplication of paramyxoviruses
 R01AI-06814-09 Electron microscopy of virus-host interactivity
 R01AI-07471-08 Equine infectious anemia (horses)
 R01AI-10733-03 Molecular basis of viral and cellular membrane fusion (mice)
 R01AI-10945-03 Immunocytochemistry of virus receptors and infected cells (human)
 N01AI-22504-02 Develop attenuated mutants of RSV and PV as potential vaccine strains (hamsters)
 ** P01CA-08748-09 6706 Research program of Sloan-Kettering Institute - Protein synthesis and viral replication in Sendai virus-infected cells (cattle)
 R01CA-10467-07 Biochemical events after tumor virus infection
 P01CA-10815-06 0009 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncoviruses (mice)
 P01CA-14733-02 0003 Control of gene expression, virus replication and cell growth - Interferon induction and action in interspecies hybrids (human, mice)
 P01CA-16038-01 0006 Program on the molecular basis of viral transformation - Host and viral factors in oncogenesis by EB virus (human, mammals)
 P01GM-20124-02 0004 Center for human genetics and inherited disease - Genetic studies on differentiated liver cells in culture (mice)
 R01NS-08258-06 Complex glycolipids of brain and related systems (human, rodents, cattle, plants)

VIRUSES, MYXOVIRUSES, PARAINFLUENZA 2 VIRUSES

- N01AI-22504-02 Develop attenuated mutants of RSV and PV as potential vaccine strains (hamsters)

VIRUSES, MYXOVIRUSES, RESPIRATORY SYNCYTIAL VIRUSES

- SEE ALSO VACCINES, VIRAL, RESPIRATORY SYNCYTIAL VIRUS VACCINES
 R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
 R01AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)
 ** R01AI-10996-02 Respiratory syncytial virus assembly and maturation
 N01AI-12091-07 Antigenicity and effectiveness of respiratory disease vaccines
 N01AI-22504-02 Develop attenuated mutants of RSV and PV as potential vaccine strains (hamsters)
 N01AI-42543-00 Detection of respiratory virus genome in human tissues
 R01CA-12339-03 Virus, vitamin A and carcinogen in respiratory cancer (hamsters)
 R01CA-12952-03 E-B and other viruses in cancer
 R01CA-14517-02 Cell fusion-Mechanism and oncogenic significance
 N01CM-12123-05 Viral studies in support of cancer chemotherapy patients
 N01GM-32104-02 Develop a latex agglutination technique for rapid diagnosis of viral diseases
 R01HD-06819-02 Infection and childhood obstructive airway disease
 R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)
 P01HL-16748-01 0005 Cellular and immunological bases of pulmonary diseases - Immunity in atopy, bronchiolitis and pulmonary sensitivity diseases (human)

VIRUSES, MYXOVIRUSES, SIMIAN

- ** R01AI-05600-12 Myxoviruses-Structure, replication, membrane interactions
 R01CA-04670-15 Hybridization, DNA function, mutation in cell culture (human, rodents)
 R01CA-14517-02 Cell fusion-Mechanism and oncogenic significance
 R01CA-16754-01 Hybridization, DNA function, mutation in cell culture (human, rodents)

VIRUSES, NEUROTROPIC

- SEE ALSO NERVOUS DISORDERS CENTRAL, MAREK'S DISEASE
 SEE ALSO NERVOUS DISORDERS CENTRAL, MENINGITIS VIRAL
 SEE ALSO VIRUSES, PICORNAVIRUSES, POLIOMYELITIS VIRUS
 ** R01AI-11656-01 Ultrastructural studies of C-virus murine myelopathy
 ** R01AI-12203-01 Characterization of measles virus latency (hamsters, human)

- P02AM-05630-12 0008 Metabolic unit for the Department of Medicine - Metabolic components of neuromuscular disease (human)
 R01CA-14362-02 Growth and function of cerebral cells in vitro (human, sheep)
 ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
 R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)
 R01NS-06735-08 Biology of myelinated CNS in tissue culture (rats, hamsters)
 ** R01NS-06989-08 Cellular effects of neurotropic viruses (sheep)
 R01NS-08180-06 Molecular pathology of neurofilaments and neurotubules (human, rabbits)
 M P01NS-08711-04 Fundamental studies relating to multiple sclerosis
 P01NS-08711-04 0006 Fundamental studies relating to multiple sclerosis - In vitro cell-mediated cytotoxicity (human, mice)
 ** R01NS-08952-06 0003 EM cytopathology of organized CNS and PNS cultures - Tests of virological concepts (human, rabbits, mice, hamsters)
 R01NS-08997-05 0001 Fine structural alterations in CNS viral disease - Viral teratogenesis (hamsters, Kilham rat virus, bluetongue virus)
 R01NS-08997-05 0002 Fine structural alterations in CNS viral disease - Virus induced demyelinating disease (hepatitis virus, mice)
 ** R01NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
 R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
 R01NS-11286-04 Immunosuppression and experimental viral infection (monkeys, rodents)
 ** N01NS-70082-15 Slow virus infections of the central nervous system in man

VIRUSES, NEUROTROPIC, ENCEPHALITIS VIRUSES

- SEE ALSO VIRUSES, ARBOVIRUSES, CALIFORNIA ENCEPHALITIS VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES, COLORADO TICK FEVER VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES A, EASTERN ENCEPHALITIS VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES A, SEMUKI FOREST VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES A, SINDIBIS VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES A, VENEZUELAN ENCEPHALITIS VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES A, WESTERN ENCEPHALITIS VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES B, DENGUE VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES B, JAPANESE B ENCEPHALITIS VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES B, POWASSAN VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES B, ST. LOUIS ENCEPHALITIS VIRUS
 SEE ALSO VIRUSES, ARBOVIRUSES B, WEST NILE VIRUS
 SEE ALSO VIRUSES, HERPESVIRUSES, PSEUDORABIES VIRUS
 SEE ALSO VIRUSES, MYXOVIRUSES, NEWCASTLE DISEASE VIRUS
 SEE ALSO VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV), HER STRAIN
 SEE ALSO VIRUSES, PICORNAVIRUSES, EMC GROUP
 SEE ALSO VIRUSES, RHADDOVIRUSES, RABIES
 R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
 R01EY-00239-14 Biochemical studies of lens cataract formation (human, animals)
 R01NS-02255-16 Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs)
 ** R01NS-09547-04 Viral subacute and chronic nervous system disease (human)
 ** P01NS-10920-02 0012 Development and regeneration in the nervous system - Development of resistance to encephalitis (mice)
 P06RR-00393-07 Resource for study of laboratory animal diseases

VIRUSES, NEUROTROPIC, TME VIRUS

- ** R01AI-11250-02 Transmissible spongiform encephalopathies (mice, monkeys)
 ** R01NS-11129-02 Morphology of chronic viral infections of the brain (human, monkeys, hamsters)

VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

- SEE ALSO KIDNEY NEOPLASMS, LUCKE RENAL ADENOCARCINOMA
 SEE ALSO SKIN NEOPLASMS, KERATOACANTHOMA
 SEE ALSO VIRUSES, HERPESVIRUSES, EB VIRUS
 SEE ALSO VIRUSES, LEUKEMIA (GENERAL)
 SEE ALSO VIRUSES, ONCORNA
 SEE ALSO VIRUSES, PAPOVAVIRUSES
 SEE ALSO VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV)
 SEE ALSO VIRUSES, POXVIRUSES, FIBROMA VIRUS
 SEE ALSO VIRUSES, POXVIRUSES, MOLLUSCUM CONTAGIOSUM VIRUS
 SEE ALSO VIRUSES, POXVIRUSES, SHOPE FIBROMA VIRUS
 SEE ALSO VIRUSES, POXVIRUSES, YABA VIRUS

- SEE ALSO VIRUSES OF PLANTS, WOUND TUMOR VIRUS
 R01AI-01725-17 Biochemistry of animal virus multiplication
 R01AI-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
 ** R01AI-05681-12 Structure and tumor-virus relation of blood group MN (human, chickens)
 R01AI-05875-10 Antibody synthesis (mice)
 R01AI-06862-09 Molecular mechanisms of virus replication
 P01AI-07007-09 0013 Immunopathologic studies - Autoimmunogenic properties of SLV (mice)
 R01AI-08648-06 Pathogenesis and epidemiology of simian viruses (primates)
 ** R01AI-10097-04 Structure of myxoviruses and oncoviruses
 R01AI-10947-03 0002 Metabolism of cells infected with nuclear DNA viruses - Control of transcription and translation by pseudorabies virus (mammals)
 R01AI-11217-02 A new human papova virus (hamsters, guinea pigs, rabbits)
 R01AI-11427-01 Virus replication and transformation
 R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
 R01AM-16059-16 Pathogenesis of human alimentary mucosal disease (human, rats)
 ** P01CA-02332-20 0001 Clinical and laboratory studies of normal and abnormal growth - Detection of leukemia viruses (mice, human)
 P01CA-02332-20 0006 Clinical and laboratory studies of normal and abnormal growth - Molecular hybridization (mammals)
 R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
 R01CA-04568-16 Relation of Epstein-Barr virus to human malignancies
 ** R01CA-04571-16 Tumors
 R01CA-05206-14 Latency and viral neoplasia (human, cell culture)
 ** R01CA-05262-14 Iododeoxyuridine, iodo-DNA and biological activity (mice)
 ** P01CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
 ** P02CA-05826-13 0037 Clinical cancer research center - Cancer immunobiology-immunovirology of human cancer
 ** P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
 P02CA-06516-12 0026 Cancer center support grant-Comprehensive - Detection of sub infections RNA tumor virus gene expression
 R01CA-06576-12 Biochemical cytology of normal and malignant tissues (human, rodents, rabbits)
 ** P02CA-06973-12 0019 Integrated clinical cancer research program - Biochemical virology-Viral detection studies (human, mice)
 P02CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
 ** R01CA-07055-12 Lucke tumor associated viruses (frogs)
 ** P01CA-07175-11 0016 Cancer research at the McArdle laboratory - Carcinogenesis by RNA viruses (rats, mice, chickens)
 ** P01CA-07175-11 0019 Cancer research at the McArdle laboratory - Immunology of oncogenic RNA viruses
 P02CA-07177-11 0011 Clinical cancer research center - Beta particle budding in human breast tissue
 ** P02CA-07357-10 0001 Special children's cancer center program - Role of viruses in etiology of acute leukemia (human, primates nonhuman)
 R01CA-08014-10 Circular DNA from oncogenic viruses and mitochondria (mice, human)
 P02CA-08480-09 0006 Childhood cancer research center - Multiplication and genetics of myxoviruses (chickens)
 P02CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Lucke tumor (frogs)
 P02CA-08480-09 0009 Childhood cancer research center - Studies of herpes virus (frogs, rabbits)
 ** P02CA-08480-09 0011 Childhood cancer research center - Transspecies replication of Moloney murine sarcoma virus (hamsters)
 M P01CA-08748-09 Research program of Sloan-Kettering Institute
 ** P01CA-08748-09 6501 Research program of Sloan-Kettering Institute - High resolution electron microscopy of RNA tumor viruses
 P01CA-06748-09 6506 Research program of Sloan-Kettering Institute - Virus-like agents in cells from Hodgkin's disease
 ** P01CA-08748-09 6519 Research program of Sloan-Kettering Institute - Scanning electron microscopy of virus budding in Friend leukemia (tissue culture)
 P01CA-08748-09 6801 Research program of Sloan-Kettering Institute - Protein components of avian and mammalian C-viruses (rabbits)
 P01CA-08748-09 6806 Research program of Sloan-Kettering Institute - Topography of cell surface antigens (mice)
 ** P01CA-08748-09 6905 Research program of Sloan-Kettering Institute - Oncogenic transformation by hamster sarcoma virus

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- P01CA-08748-09 6907 Research program of Sloan-Kettering Institute - Immunofluorescent studies on human tumors - Search for antigens
- P01CA-08748-09 6909 Research program of Sloan-Kettering Institute - Virus-like agents in Hodgkin's disease
- ** P01CA-08748-09 6912 Research program of Sloan-Kettering Institute - Search for human cancer viruses
- P01CA-08748-09 6914 Research program of Sloan-Kettering Institute - RNA-dependent DNA polymerase for antibody production (mice, cats, monkeys)
- ** R01CA-08851-11 Viral carcinogenesis and latency
- ** R01CA-08936-08 Effect of chemical carcinogens on cells in vitro (human, rodents, viruses)
- R01CA-10018-08 Transplantation disease and leukemia (mice, viruses)
- ** R01CA-10095-07 Gene action and cellular differentiation in culture (mice, human)
- ** R01CA-10126-08 Mechanisms of transformation by oncogenic viruses
- R01CA-10130-09 Catalase isozymes in normal and neoplastic tissues (human, quails)
- R01CA-10189-08 Transplantation antigenicity of virus induced tumors (human, mice)
- ** R01CA-10467-07 Biochemical events after tumor virus infection
- R01CA-10537-05 RES function, tumor induction and growth (mice)
- ** R01CA-10777-06 Immunologic aspects of a autochthonous tumor regression (mice)
- P01CA-10815-06 0007 Consolidated basic cancer research program - Characterize antigens of virus transformed cells (human, laboratory animals)
- P01CA-10815-06 0016 Consolidated basic cancer research program - Characterize immune response to tumor-associated virus (amphibians, fish)
- ** P01CA-10815-06 0037 Consolidated basic cancer research program - Isolate viruses from human sarcomas and leukemias
- P01CA-10815-06 0041 Consolidated basic cancer research program - Identify carcinogenic metabolites of chemical carcinogens (mammals)
- P01CA-10815-06 0042 Consolidated basic cancer research program - Phylogenetic limits of oncogenesis (mammals, birds, reptiles, fish, insects)
- P01CA-10815-06 0043 Consolidated basic cancer research program - Interrelationship between chemical carcinogens and RNA tumor viruses (rats, mice)
- ** P01CA-10815-06 0045 Consolidated basic cancer research program - Oncogenic viruses and embryogenesis (mice)
- P01CA-10815-06 0080 Consolidated basic cancer research program - Viral protein in avian sarcoma virus-infected cells
- R01CA-10844-06 Comparative histogenesis of hair and squamate skin (reptiles, cyclostomes, mice)
- ** P01CA-10893-06 0002 Cancer Research Center - Clinical Research Section
- P01CA-10893-06 0006 Cancer Research Center - Preneoplastic mammary lesions (mice)
- P01CA-10893-06 0017 Cancer Research Center - Herpesvirus and cervical cancer
- P02CA-10895-06 0010 Adult leukemia research center - Molecular biology (human, dogs, birds)
- P01CA-10896-03 Exploratory studies in cancer research (human, laboratory animals)
- ** R01CA-10945-06 Interaction of oncogenic and non-oncogenic viruses (rabbits)
- ** P02CA-11067-05 0014 Clinical cancer research center - Pharmacologic inhibition of transcriptase activity, oncogenesis of RNA tumor vir
- R01CA-11196-06 Chemistry and enzymology of anticancer purine analogs
- R01CA-11224-06 0001 Neurooncogenesis by resorptive carcinogens - Interactions of N-nitrosoureas with cellular components (rats)
- ** R01CA-11224-06 0004 Neurooncogenesis by resorptive carcinogens - N-nitrosoureas as possible activators of C type viruses (rats)
- P01CA-11405-06 0017 Core program on etiology of cancer - Induction of RNA tumor viruses by nuclei acid analogs (human, mammals)
- P01CA-11405-06 0018 Core program on etiology of cancer - Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human)
- ** R01CA-11427-05 Virus in relation to C57BL mouse thymoma
- R01CA-11437-03 Magnesium deficiency, leukocytosis, lymphoma, leukemia (rodents)
- P01CA-11489-05 Program of epidemiological research in cancer
- ** R01CA-11512-05 Assembly of oncogenic and nononcogenic adenoviruses
- R01CA-11650-03 Immunochemical isolation of tumor specific antigens (hamsters, SV40 virus)
- ** R01CA-11895-05 Molecular biology of tumor viruses
- ** R01CA-11901-04 Pathology of tumorigenesis in developing embryos (frogs)
- R01CA-11950-04 Mammalian RNA synthesis during amino acid deprivation (L cells, HeLa cells, rats)
- ** P01CA-12093-04 0007 Immunobiology of cancer - Viral oncology and immunology (hamster, human, chick embryo)
- ** R01CA-12101-04 Molecular biology of RNA cancer viruses (cats)
- ** R01CA-12131-03 Viral transformation genetics, and leukemia risk (human)
- ** P02CA-12197-03 0009 Multidisciplinary oncology research center - Viruses associated with amphibian neoplasms
- ** P02CA-12197-03 0022 Multidisciplinary oncology research center - Thermoregulation of animal virus-cell interaction (frogs)
- P02CA-12247-03 0001 Pediatric oncology center - Epidemiology
- ** R01CA-12323-04 Biochemistry of RNA tumor virus replication
- ** R01CA-12340-03 Mechanism of transformation by oncogenic RNA viruses
- R01CA-12370-04 Cellular function in cancer and viral transformation (mice)
- ** R01CA-12382-03 Virus associated neoplasms (rabbits)
- ** R01CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
- ** R01CA-12491-03 Viral induction of thymic lymphosarcomas in rats (also mice)
- ** R01CA-12513-04 Regulatory role of estrogen in hamster tumors
- ** P01CA-12582-04 0011 Multidisciplinary cancer diagnosis and therapy - Immunovirology studies (human, mammals)
- R01CA-12784-03 Circular DNA-implications for cancer and drug resistance
- ** R01CA-12796-03 Isohemagglutinins for avian RNA tumor receptors
- R01CA-12818-03 DNA polymerases in normal and leukemic lymphocytes (human)
- ** R01CA-12851-03 Embryonic and virally induced tumor cell membrane antigens (chickens, human)
- ** R01CA-12895-01 Molecular mechanisms in neoplasia (chickens)
- R01CA-12929-03 Interrelationship between malignancy and immunity (mice)
- ** R01CA-12948-03 Host range mutants of simian virus 40
- ** R01CA-13006-02 Structure and replication of tumor virus nucleic acid
- ** R01CA-13008-03 Control of protein synthesis in viral oncogenesis
- R01CA-13047-03 Control mechanisms of differentiation and malignancy
- R01CA-13061-03 Problems of membrane biology and oncogenesis
- ** R01CA-13086-03 Identification of viruses associated with human cancer (human, mice, guinea pigs)
- ** P01CA-13095-03 0001 Virology, immunobiology and biochemistry of renal cancer - Viruses and neoplasms of the urinary tract (human)
- P01CA-13095-03 0004 Virology, immunobiology and biochemistry of renal cancer - Establish tissue and serum bank (human, mammals nonhuman)
- ** P01CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
- R01CA-13141-03 Granulopoiesis in malignant and benign human diseases (human)
- ** R01CA-13168-03 Insertion of foreign DNA into oncogenic viral DNA
- R01CA-13175-03 RNA processing in tumor and transformed cells (rats, mice, cats)
- R01CA-13176-03 Adenylate cyclase in malignant cells (mammals, human)
- ** R01CA-13178-03 Oncogenic and hormonal control of RNA methylation (mice, rats)
- R01CA-13202-03 Virus structure and assembly
- ** R01CA-13231-03 Effects of tumorigenic adenoviruses on cells
- M P01CA-13330-03 Cancer research program
- ** P01CA-13330-03 0016 Cancer research program - Lymphocyte cell-mediated immunity in cancer (human, mice)
- P01CA-13330-03 0022 Cancer research program - Effect of pH on cellular growth and function (human, mice, hamsters)
- ** P01CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by viron protein kinase (frog, mice, chick embryo)
- ** P01CA-13330-03 0041 Cancer research program - Adenovirus DNA and protein synthesis (human)
- ** P01CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
- ** P01CA-13330-03 0057 Cancer research program - Host DNA replication induced by oncogenic viruses (monkeys, mice)
- ** R01CA-13333-03 Murine myeloma tumor studies
- ** P01CA-13343-02 0003 Environmental cancer - Etiology in carcinogenesis-Chemical and viral agents in cell culture systems
- P01CA-13343-02 0004 Environmental cancer - Cytogenetics of carcinogenesis, mutagenesis and tumor reversion (mice)
- R01CA-13347-03 Influence of the immune system on viral tumorigenesis (chickens)
- R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
- ** R01CA-13393-02 Reversion of properties in virus-transformed cells
- R01CA-13394-02 Mechanism of viral carcinogenesis (human)
- ** R01CA-13397-03 Cervical carcinoma-Immunology and biophysics (Herpes virus, human, hamsters)
- R01CA-13451-02 The biology of human neuroblastoma
- P01CA-13472-02 Investigation of childhood leukemia
- ** P01CA-13472-02 0002 Investigation of childhood leukemia - Reverse transcriptase in mammalian cells (human, rats)
- P01CA-13472-02 0003 Investigation of childhood leukemia - Clonal selection of leukemic cells (mice, human)
- ** P01CA-13472-02 0004 Investigation of childhood leukemia - Targets of chemotherapy and localization of transforming virus genes (human)
- ** R01CA-13479-03 Provirus of RNA tumor viruses (mice)
- ** R01CA-13494-02 Cell analysis of some virus-associated tumors of man
- ** R01CA-13506-03 Characterization of virus genomes in transformed cells
- P01CA-13526-03 0009 Correlated study of metabolic regulation in neoplasia - Cell proliferation and metabolism in mammalian cells (human, rats)
- P01CA-13556-03 Core program-genetical epidemiology of cancer
- R01CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
- ** R01CA-13625-03 0005 Myeloma tumors in cell culture - Etiological significance of viral particles in myeloma cells (mice)
- P02CA-13696-02 0001 Clinical cancer research center - Leukemia, lymphoma and myeloma (human)
- ** P02CA-13696-02 0010 Clinical cancer research center - Viral oncogenesis (human)
- ** P02CA-13696-02 0032 Clinical cancer research center - Virologic and immunologic studies of human brain tumors
- P02CA-13696-02 0039 Clinical cancer research center - Electron microscopy of orbital and adnexal tumors (human)
- P02CA-13696-02 0041 Clinical cancer research center - Leukemia and solid tumors in children (human, monkeys)
- ** P02CA-13696-02 0059 Clinical cancer research center - Use of clinical tumor material for viral study (human)
- ** R01CA-13722-02 Cell surface receptors for oncogenic viruses
- R01CA-13814-02 Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo)
- R01CA-13827-02 Immunity in cure by X-ray therapy of cervical cancer (human)
- P02CA-13943-02 0072 Clinical pharmacology immunology cancer research center - Virus particles in breast cancer patients
- ** R01CA-13978-02 Mammalian cell transformation by oncogenic viruses
- R01CA-13992-02 0001 Surface membranes of normal and cancer cells - Sialyl transferase in virus-transformed cells (hamsters, ducks)
- R01CA-14025-02 Role of GH and prolactin in mammary carcinogenesis (mice)
- ** R01CA-14026-02 Structure and function of tumor virus DNA SV40
- ** P01CA-14051-02 0001 Center for cancer biology at MIT - Cancer virology (monkeys)
- R01CA-14054-02 Malignant behavior and cellular antigen expression (mice, human)
- ** R01CA-14061-02 Chicken lymphocyte alloantigens and viral oncogenesis
- M P01CA-14097-02 Cancer research program-Viruses; control mechanisms
- ** R01CA-14100-02 The viral etiology of cancer (mice, rats)
- ** R01CA-14108-03 Endocrine role of the thymus in cancer induction by viruses (mice)
- P01CA-14195-01 0011 Core grant-Regulation, the cell membrane and cancer - Effect of cell transformation on differentiated cell function
- P01CA-14195-01 0012 Core grant-Regulation, the cell membrane and cancer - Hepatocellular growth regulation by serum factors (cattle, rats)
- P01CA-14236-01 Comprehensive cancer center support grant
- R01CA-14312-01 Hepatocellular growth-in vitro system (rats)
- R01CA-14346-02 Human tumor-Associated molecular expressions-CEA
- ** R01CA-14517-02 Cell fusion-Mechanism and oncogenic significance
- ** P01CA-14536-01 0041 Cancer Institute core proposal - Activation of helper activity in human neoplastic tissue
- ** P01CA-14599-01 0001 University of Chicago Cancer Research Center - Role of Herpes virus in human cancer
- P01CA-14599-01 0002 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Abnormal viral DNA replication
- P01CA-14599-01 0003 University of Chicago Cancer Research Center - Human lymphocyte proliferation and EBV induction-Lymphocyte growth potential
- ** P01CA-14599-01 0009 University of Chicago Cancer Research Center - DNA replication in normal and transformed cells (mice, Drosophila)
- P01CA-14599-01 0035 University of Chicago Cancer Research Center - Neoplasia in childhood-Neuroblastoma (cattle)

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- P01CA-14599-01 0037 University of Chicago Cancer Research Center - Neoplasia in childhood—Cell susceptibility to transformation
- P01CA-14599-01 0038 University of Chicago Cancer Research Center - Comprehensive approach to glioma therapy (dogs, rats, human)
- ** R01CA-14620-02 Mechanisms of oncogenic virus gene expression (rabbits)
- R01CA-14630-02 Turnover of ribosomal RNA in virus transformed cells
- ** R01CA-14670-02 Host functions related to tumor virus infection
- M P01CA-14723-02 Experimental cancer immunology
- ** R01CA-14730-01 Virus induced leukemic stem cells in mice
- ** R01CA-14787-01 Transcription and translation of tumor virus RNA
- ** R01CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncoviruses
- ** R01CA-14794-01 Immune response to oncogenic herpesviruses in monkeys
- M P01CA-14801-02 Chemotherapy and regulation of oncogenic viruses
- P01CA-14801-02 0009 Chemotherapy and regulation of oncogenic viruses - Sequences in nucleic acids of RNA tumor viruses
- ** P01CA-14801-02 0010 Chemotherapy and regulation of oncogenic viruses - Cellular control of production of RNA tumor viruses
- P01CA-14801-02 0012 Chemotherapy and regulation of oncogenic viruses - Antiviral agents and immunotherapy in murine leukemia
- ** R01CA-14888-01 Herpes genitalis in the adolescent vs mature monkey
- ** R26CA-14926-02 Ultrastructure of normal and neoplastic urothelium (human)
- ** R01CA-14928-10 C-type RNA virus and immunopathology (mice)
- ** R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
- ** R01CA-14936-02 Role of host cells in virus induced tumors (chickens)
- ** R01CA-14995-01 Control of gene expression in tumor viruses and cells (ducks, mammals, human)
- R01CA-15044-01 Pathogenetic determinants of human CNS tumors
- R01CA-15058-01 Early genes of polyoma virus and DNA replication
- ** R01CA-15071-01 Translation products of the RNA tumor virus genome
- P02CA-15083-01 0006 Cancer Center Support Grant—Mayo Foundation - Basic science in cancer
- ** R01CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
- ** P02CA-15145-01 0036 Cancer center support grant - Translation phenomena in normal and neoplastic cells
- P02CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
- ** R01CA-15166-01 Small RNAs of RNA tumor virus
- ** R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- ** R01CA-15365-01 Surface changes in virus transformed cells (SV40, viruses, monkey, Hela cells)
- ** R01CA-15370-01 Tumor virus lipids—(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- ** R26CA-15417-02 Viruses and virus-like particles in prostatic tumors (human)
- ** R26CA-15438-02 Oncogenic viruses in human prostate cancer
- ** R01CA-15464-02 The structure and replication of tumor virus RNA
- ** R01CA-15500-01 Immunologically induced tumors (mice)
- ** R26CA-15502-01 Virogene in prostatic tissue and fluids (human)
- ** R01CA-15512-01 RNA tumor virus structure and biogenesis
- ** R01CA-15557-01 Immunological activation of oncogenic virus (mice)
- R01CA-15561-01 Cellular differentiation and viral oncogenesis (mice)
- ** R01CA-15579-01 Tumor virus DNA replication—A probe into oncogenesis
- ** R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- ** P01CA-15655-01 0005 Cancer center support grant - Virus etiology in neoplasms in ethnic in Hawaii
- ** P01CA-15704-01 0027 Cancer center support grant - Viral oncology
- R01CA-15747-01 Cellular RNA metabolism of RNA tumor viruses
- P01CA-15823-01 0008 Program in developmental biology of cancer - Neoplastic membranes (human)
- R01CA-15842-01 Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset)
- R01CA-15889-01 Cell surface changes in viral oncogenesis (mice)
- ** R01CA-16007-01 Gene expression of oncogenic viruses
- R01CA-16033-01 Resurgent fetal gene products in neoplastic tissue (rats, viruses)
- P01CA-16038-01 0003 Program on the molecular basis of viral transformation - Physical mapping of the H-1 genome
- P01CA-16038-01 0011 Program on the molecular basis of viral transformation - Host-dependent herpesvirus mutants
- P01CA-16038-01 0012 Program on the molecular basis of viral transformation - Structure of herpesvirus genomes
- R01CA-16112-01 Early immunodeficiency and late oncogenesis (mice)
- ** R01CA-16115-01 Proteins in oncogenic viruses—Polyoma and SV40
- P01CA-16127-01 0012 Cancer Research and Treatment Center Program - Cell surface in oncogenic virus-transformed mammalian cells
- ** R01CA-16155-01 Interactions on oncogenic viruses with mouse embryos
- R01CA-16172-01 Neoplasia in nude (athymic) mice
- ** R01CA-16181-01 Oncogenic DNA virus transcription in vitro
- R01CA-16191-01 5-Substituted pyrimidines and cancer chemotherapy
- R01CA-16206-01 Ricin-A plant agglutinin with antitumor properties
- P01CA-16228-01 0007 Cell membrane in proliferation and oncogenesis - Intramembranous particles—Glycoproteins—Growth control (mice)
- M P01CA-16239-01 Biosynthesis in normal and virus-transformed cells
- P01CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
- ** P01CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
- P01CA-16248-01 0004 Integrated tumor biology program - Genetics of tumor induction by Rous virus (mice)
- R01CA-16266-01 Mechanism of AMV transcriptase inhibitors
- R01CA-16319-01 Method for examining viral DNA changes for mutagenic and carcinogenic effects
- R13CA-16364-01 Mechanisms of virus disease
- ** R26CA-16365-01 Etiology of prostate tumors (human, rabbits)
- R18CA-16404-01 0014 Cancer control development grant - Visiting scientists
- ** R26CA-16540-01 Role of oncoviruses in carcinoma of the prostate (human)
- ** R26CA-16880-01 Bladder cancer—Immunology, immunotherapy, and virology (mammals, nonhuman)
- R01CA-17036-01 Phosphorylation of adenoviral-associated proteins (mammals)
- ** N01CB-02320-07 Immunological studies of murine RNA oncogenic viruses (rats)
- N01CB-33918-01 Role of prostaglandins in mammary gland neoplasia (human)
- ** N01CB-43951-00 Effect of transfer factor on virus-induced tumors in marmoset monkey
- N01CM-02035-05 Iso-antigen typing of mouse strains and tumors
- N01CM-12275-03 Studies on reverse transcriptase in RNA tumor viruses
- N01CM-12340-07 Develop new approaches to cancer chemotherapy (human)
- ** N01CM-22062-05 Procurement of embryonic cell lines with variable growth rates (mice, rats)
- N01CM-33708-03 Pharmacologic and carcinogenic studies in neonatal primates (mice)
- N01CM-43760-00 Maintenance of virus diagnostic laboratory (mice, rats, hamsters)
- N01CO-25423-14 Operation and maintenance of the Frederick Cancer Research Center
- ** N01CP-02024-11 Study oncogenic potential of defective viruses (human, mice, hamsters)
- ** N01CP-12059-11 Research on oncogenic viruses, virus production and vaccine development
- ** N01CP-12164-08 Interaction between chemical and viral carcinogens (hamsters)
- N01CP-22006-06 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- ** N01CP-22020-04 Cell biology facilities and tumor immunology (human, mammals nonhuman)
- ** N01CP-22022-05 Induce neoplasia in vivo and in vitro (mice, rats)
- ** N01CP-22047-02 Interaction between chemical and viral carcinogens (human, hamsters)
- N01CP-22068-04 Develop methods of producing purified oncogenic herpes viruses (rabbit, hamster)
- N01CP-23234-02 Development of a tissue culture transformation system (rats)
- ** N01CP-23249-06 Production of oncogenic or potentially oncogenic viruses
- ** N01CP-33205-01 Study Marek's disease Herpes virus
- ** N01CP-33212-04 Viruses and experimental oncogenes and human cancer (animals)
- ** N01CP-33219-01 Study of tumor viruses in primates
- ** N01CP-33222-03 Production of avian and mammalian oncogenic viruses and antisera
- ** N01CP-33223-02 Preparation of antisera against oncogenic viral antigens
- N01CP-33224-01 Collection of human specimens for virologic and immunologic studies
- ** N01CP-33226-02 Laser light scattering studies on nucleic acids, nucleoproteins and viruses
- N01CP-33232-04 Pulmonary tumors in mice for carcinogenic bioassay
- ** N01CP-33234-04 Production of viruses and human-virus cancer cell lines
- ** N01CP-33237-02 Cell culture laboratory and associated research in viral oncology
- ** N01CP-33239-02 Virological studies of breast cancer (human, mammals)
- ** N01CP-33242-02 Comparative leukemia and sarcoma virus studies (human, monkeys, gibbons)
- ** N01CP-33247-04 Oncogenesis of herpesvirus and C-type viruses (human, mammals nonhuman)
- ** N01CP-33249-02 Immunological and genetic factors in viral leukemogenesis (mice)
- ** N01CP-33255-02 Natural occurrence of RNA tumor viruses—genomes (mice)
- ** N01CP-33257-03 Viral etiology of human malignancies (monkeys)
- ** N01CP-33258-02 Replication of oncogenic RNA viruses and relation to human cancer
- N01CP-33283-02 Search for hybridizable tumor virus DNA in tissues from cancer patients
- N01CP-33290-01 Immunologic and epidemiologic studies on Japanese patients with cancer
- N01CP-33291-01 Production of avian leucosis viruses
- N01CP-33293-03 Study role of virion-associated DNA polymerase
- ** N01CP-33304-03 Relationship of viruses to human leukemia, lymphoma and breast cancer
- ** N01CP-33306-01 Evaluation of methods for isolation of virus from human neoplasia
- ** N01CP-33308-02 Expression of the RNA tumor virus genome in malignant cells (human, mammals)
- N01CP-33311-02 Molecular basis of viral carcinogenesis (chick embryo, human, mammals)
- N01CP-33314-01 Role of herpes simplex virus in human malignancies
- N01CP-33316-01 Herpes-type virus in etiology of human cancer
- N01CP-33332-01 Hormonal control of gene expression (mammals nonhuman)
- ** N01CP-33333-02 Identification of cancer cell in vitro
- ** N01CP-33340-01 Maintenance of a chimpanzee colony
- ** N01CP-33343-01 Maintenance of an irradiated monkey colony
- N01CP-33345-01 Herpesvirus antigens and virions in human cervix carcinoma
- ** N01CP-33352-01 Immunologic study of RNA tumor (type C) viruses (mice, cats, human)
- ** N01CP-33357-07 Tumor viruses in immunological deficiency diseases (human)
- ** N01CP-33358-01 Hormonal factors on induction of breast tumors (monkeys, rats, human)
- ** N01CP-33365-02 Molecular virology studies of human leukemias
- N01CP-33390-02 Research on herpesviruses causing lymphoma in primates
- N01CP-33391-03 Provide animal holding facility
- ** N01CP-33393-02 Human sarcomas and possible viral etiology
- N01CP-33396-02 Humoral and cellular immunity in herpes virus (primates)
- N01CP-43207-00 Spontaneous and virus induced neoplastic transformation (human, cats)
- ** N01CP-43209-00 Viruses in cancer etiology (human, mammals nonhuman)
- ** N01CP-43211-02 Viruses, genetics and immunity in the etiology of human cancer
- ** N01CP-43212-00 Structure and replication of murine and avian tumor viruses
- ** N01CP-43214-00 Latent virus infection and transmission of C-type particles (monkeys, human)
- N01CP-43216-00 Spontaneous and virus induced neoplastic transformation studies (human)
- N01CP-43217-00 Biohazards control and containment in oncogenic virus research
- ** N01CP-43218-00 Cancer and chronic diseases virologic laboratory workers
- ** N01CP-43223-00 Molecular studies on human and animal cancer—breast carcinoma
- ** N01CP-43224-00 Oncogenic activity of virus preparations in primates
- ** N01CP-43236-00 Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman)
- N01CP-43240-00 Roles of viruses and chemical in the etiology of cancer
- ** N01CP-43241-00 Virus-induced tumor specific transplantation antigens (mice)
- ** N01CP-43249-00 Application of animal virus model systems to human neoplasia
- ** N01CP-43252-00 SVCP back-up laboratory
- ** N01CP-43254-00 Type C RNA tumor viruses (animals)
- ** N01CP-43276-00 Interaction between chemical and viral carcinogens (human, rodents)
- ** N01CP-43298-00 Regulatory proteins in oncogenic viruses
- ** N01CP-43299-00 Cells transformed by DNA and RNA tumor viruses
- N01CP-43318-00 Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals)
- ** N01CP-43325-00 Relationship of embryonic antigens to virus-induced tumor antigens (mammals)
- ** N01CP-43328-00 Release of RNA tumor virus and its genetic control

(contd)

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** N01CP-43330-00 Cellular immunity to herpes simplex antigens in cancer patients and controls
 ** N01CP-43335-00 Human materials for transmissible agents in tumors
 ** N01CP-43351-00 Biological resources management information system support services
 ** N01CP-43359-01 Study of oncogenesis
 ** N01CP-43370-00 Immunological studies on breast carcinoma (human, mice)
 ** N01CP-43375-00 Immunologic study of RNA tumor (type C) viruses (mice, cats, human)
 ** N01CP-43387-00 Virus and reagent production and purification
 ** N01CP-43388-00 Type-C viruses in relation to oncogenic potential (human, animals)
 N01CP-43389-00 Studies on Herpesviruses
 ** N01CP-43394-00 Relationship of embryonic antigens to virus-induced tumor antigens (mammals)
 ** N01CP-45615-01 In vitro interaction between chemical and viral carcinogens
 N01CP-50053-18 Human breast cancer studies
 ** N01CP-81010-10 Human trophoblast cell line
 ** N01CP-81030-11 Etiology and epidemiology of human cancer
 ** N01CP-92014-07 Virus-induced tumor specific transplantation antigens (mice)
 P10ES-00210-07 0019 Center for environmental management - Environmental chemicals and tumor virus expression-induction (rabbits)
 R01EY-00108-05 Histopathologic study of pigmented ocular tumors (human, dogs, cats)
 ** P01EY-00227-13 0019 The posterior segment of the eye - Experimental tumors induced by adenovirus type12 (hamsters)
 P01EY-00785-03 0006 Vision research center - RNA dependent DNA polymerase in ocular tumors (human, animals)
 R01GM-10717-12 Nucleic acid metabolism of mammalian cells in culture
 P01GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
 ** R01GM-12323-10 0016 Biochemical genetics - Mitochondrial-virus association with a mouse lymphoma
 R01GM-13235-09 Mechanisms and regulation of gene expression (viruses, monkeys)
 P01GM-15253-08 0020 Genetics in medicine-Gene action in man - Genetics in neoplasia (human, primates)
 P01GM-15419-07 0003 Cellular and biochemical genetics - Lymphocyte cell lines in human genetics (also hamsters, mice)
 ** P01GM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
 ** R01GM-18586-03 Nucleotide sequencing methods for oncogenic viruses
 R01GM-18958-06 Mechanisms of phage RNA-stimulated protein synthesis
 ** R01GM-19331-01 Chromosome and gene activity in *Sciarae* (gnats)
 ** P01GM-19443-03 0043 Problems in clinical genetics - Oncogenic human viruses
 P01GM-19513-03 0013 Human genetics - Role of germinal mutations in cancer
 ** R01GM-19835-02 Ribosomes of hybrid cells and tumor virus effects (mice, hamsters)
 ** P01GM-20927-01 0006 Sequence structure of eukaryotic genome - Mapping the modes of integration of cancer viruses (SV40)
 P01HD-04583-06 0023 Montal retardation research center - Cell transformation by murine sarcoma virus (human, mice)
 ** P01HD-05797-04 0017 Population and reproductive biology - Changes in the deoxyribonucleoproteins (chickens, rats)
 P01HD-05797-04 0018 Population and reproductive biology - Alterations of nucleolar and extranucleolar RNA polymerase (rats, chickens)
 R01NS-06610-08 In vitro biology of brain cellular species (rats, mice)
 R01OH-00449-01 Cohort study of cancer mortality in virologists
 M01RR-00076-12 0087 General clinical research center - Herpes virus nucleic acids in human tumors
 P06RR-00130-11 Animal resource support for bio-medical research
 M01RR-00827-01 0002 General clinical research center - Fetal gene expression in cancer-prone families

VIRUSES, ONCOGENIC, LYMPHOCYSTIS VIRUS
 ** R01CA-05790-13 Cytology of viral neoplasms in fish

VIRUSES, ONCOGENIC, NODULE INDUCING VIRUS (MICE)
 ** R01CA-11944-04 Chemical carcinogenesis of mouse mammary glands (mice)

VIRUSES, ONCOGENIC, VENEREAL SARCOMA VIRUS CANINE
 ** R01CA-16063-01 Etiology of canine transmissible sarcoma

VIRUSES, ONCOLYTIC

SEE ALSO VIRUSES, ARBOVIRUSES A, SEMLIKI FOREST VIRUS
 SEE ALSO VIRUSES, PICORNAVIRUSES, EMC GROUP, ME VIRUS
 ** P02CA-05831-13 0005 Cancer clinical research - Effect of oncolytic viruses in selected cases of human malignant diseases
 P02CA-06516-12 0032 Cancer center support grant-Comprehensive - Characterization of endogenous Herpes virus (hamster)

VIRUSES, ONCORNA
 R01AI-05681-12 Structure and tumor-virus relation of blood group MN (human, chickens)
 ** R01AI-10097-04 Structure of myxoviruses and oncornaviruses
 ** R01AI-11472-01 Hepatitis associated antigen (human, mice, rats, hamsters)
 R01AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E. coli, virus)
 R01AM-17028-01 Virologic studies of systemic lupus erythematosus (human, mice)
 P02CA-06516-12 0030 Cancer center support grant-Comprehensive - Experimental leukemogenesis (rats, mice, human)
 ** P02CA-07177-11 0011 Clinical cancer research center - Beta particle budding in human breast tissue
 P01CA-10815-06 0016 Consolidated basic cancer research program - Characterize immune response to tumor-associated virus (amphibians, fish)
 P01CA-10815-06 0033 Consolidated basic cancer research program - Oncogenic transformation in poikilothermic vertebrate cells or viruses
 ** P01CA-10815-06 0036 Consolidated basic cancer research program - Phylogenetic range of naturally occurring oncornaviruses (reptiles)
 P01CA-10815-06 0059 Consolidated basic cancer research program - Genetic linkage between oncornavirus and mammalian chromosomes (human, mice)
 P01CA-10893-06 0018 Cancer Research Center - RNA viruses (rats, mice)
 P02CA-12197-03 0031 Multidisciplinary oncology research center - Herpes viruses, Luche renal adenocarcinoma and cervical cancer (human, anurans)
 ** R01CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncornaviruses
 ** P01CA-14801-02 0006 Chemotherapy and regulation of oncogenic viruses - Control of oncornavirus expression (human, mice)
 P01CA-14801-02 0007 Chemotherapy and regulation of oncogenic viruses - EM of virus in witch's milk from nursing infants (human, monkeys)
 ** P01CA-14801-02 0008 Chemotherapy and regulation of oncogenic viruses - Chromosomal protein-Changes associated with oncornavirus infection
 P01CA-14801-02 0010 Chemotherapy and regulation of oncogenic viruses - Cellular control of production of RNA tumor viruses
 P01CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
 R01CA-14835-02 DNA polymerases in normal and neoplastic human cells
 ** R01CA-14894-01 Drugs preventing oncornavirus cancers-Anthracyclines
 ** P01CA-15823-01 0006 Program in developmental biology of cancer - Structure and replication of oncornaviruses
 ** P01CA-16038-01 0002 Program on the molecular basis of viral transformation - Evidence of oncornavirus in milk and risk of breast cancer
 ** R01CA-16262-01 Subunit structure and function of oncornavirus RNA
 ** R01CA-16315-01 RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells)
 ** R01CA-16329-01 Biology of the reticuloendotheliosis virus group (chickens)
 ** R26CA-16540-01 Role of oncornaviruses in carcinoma of the prostate (human)
 N01CP-33347-05 High risk breast cancer families (human)
 R01NS-11451-01 Immunopathogenesis of visna (sheep)

VIRUSES, ONCORNA, LEUKEMIA
 R01AI-05875-10 Antibody synthesis (mice)
 R01AI-06591-10 Chediak-Higashi syndrome and disease susceptibility (human, mink, mice)
 R01AM-15022-03 Cyanocobalamin derivatives and growth and development under stress (mice)
 R01AM-16272-03 Regulation of hemoglobin synthesis and hematopoiesis (rats, rabbits)
 ** R01CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
 ** R01CA-05985-13 0003 Stages of carcinogenesis of the cervix uteri in mice - Action of steel alleles in susceptibility to viral leukomogenesis (mice)
 R01CA-07868-09 Defective Friend virus and its pseudotypes (mice)
 R01CA-08515-09 Tissue culture studies of the mammary tumor virus (human, mice)

** R01CA-08725-06 Effect of leukemia viruses on hematopoiesis
 R01CA-08800-08 Mechanisms of drug inhibition of human leukemic cells (rats, human)
 R01CA-12101-04 Molecular biology of RNA cancer viruses (cats)
 ** P01CA-12174-04 0009 Growth and cell control processes - Induction of leukemia virus by BUDR (mice)
 ** R01CA-12461-04 Suppression of established leukemia virus infection (mice)
 R01CA-12586-02 Lymphocyte metabolism and therapy of viral leukemia
 ** P02CA-13696-02 0004 Clinical cancer research center - Effects of viruses on hemopoietic cells (mice, human)
 R01CA-13773-02 Erythropoiesis in acute myelogenous leukemia (rats)
 ** P01CA-14193-02 0001 Comparative leukemia studies unit - Morphological and antigenic characteristics of BLV (mammals, tissue culture)
 ** P01CA-14193-02 0002 Comparative leukemia studies unit - Tissue culture studies on the replication of BLV
 ** P01CA-14193-02 0003 Comparative leukemia studies unit - Production purification and detection of BLV (human, cattle, rats)
 ** P01CA-14193-02 0004 Comparative leukemia studies unit - Natural transmission and distribution of BLV (human, mammals)
 ** P01CA-14193-02 0006 Comparative leukemia studies unit - Leukohomogenic activity of BLV
 ** P01CA-14193-02 0007 Comparative leukemia studies unit - Bovine leukemia herds for research
 P01CA-14193-02 0008 Comparative leukemia studies unit - Immunological factors in growth of RadLV lymphoma (rats)
 ** P01CA-14193-02 0009 Comparative leukemia studies unit - Detection of RadLV or genome in lymphoma (tissue culture, rats)
 ** P01CA-14193-02 0010 Comparative leukemia studies unit - Virus proteins
 ** P01CA-14193-02 0011 Comparative leukemia studies unit - Characterization of viral nucleic acids
 R01CA-14517-02 Cell fusion-Mechanism and oncogenic significance
 ** R01CA-14529-02 Search for leukemia viruses with a helper virus assay (mice)
 R01CA-14532-02 Pathophysiology of leukemia in guinea pigs
 P01CA-14536-01 0041 Cancer Institute core proposal - Activation of helper activity in human neoplastic tissue
 ** P01CA-14599-01 0036 University of Chicago Cancer Research Center - Childhood leukemia studies
 P01CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
 R01CA-15423-02 Polar corticoids in guinea pigs and cancer (also human, rats, mice)
 R01CA-16172-01 Neoplasia in nude (athymic) mice
 N01CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
 N01CP-33242-02 Comparative leukemia and sarcoma virus studies (human, monkeys, gibbons)
 ** N01CP-33247-04 Oncogenesis of herpesvirus and C-type viruses (human, mammals nonhuman)
 ** N01CP-33365-02 Molecular virology studies of human leukemias
 ** N01CP-33368-01 Immunogenetic studies on breast cancer and leukemia (mice, human)
 P01HD-05797-04 0020 Population and reproductive biology - Macromolecular conformation in collagen (human, mice)
 R01HD-07775-13 Picornaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
 ** P01HL-06374-14 0004 Expansion of research in a hematologic center - Biochemistry of leukemic transformation (human)
 P06RR-00165-14 Support of the Yerkes Regional Primate Research Center

VIRUSES, ONCORNA, LEUKEMIA MOUSE
 SEE ALSO VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE (GENERAL)
 P01AI-07007-09 0013 Immunopathologic studies - Autoimmunogenic properties of SLV (mice)
 ** P01AI-11576-02 0003 Lymphocyte biology - Genetic and serologic aspects of virus-lymphocyte interactions (mice)
 P01AI-11851-01 0009 Biology and biochemistry of lymphocyte surface - Virus-lymphocyte interactions (mice)
 ** R01AM-09351-09 Canine systemic lupus erythematosus (dogs and mice)
 P01CA-08748-09 6811 Research program of Sloan-Kettering Institute - Linkage relationship of genes specifying cell surface components (mice)
 R01CA-10000-08 Filterable agents and tumor induction in mice
 R01CA-10018-08 Transplantation disease and leukemia (mice, viruses)
 R01CA-10095-07 Gene action and cellular differentiation in culture (mice, human)
 ** P01CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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- PO1CA-10815-06 0045 Consolidated basic cancer research program 2 Oncogenic viruses and embryogenesis (mice)
- ** PO1CA-12174-04 0010 Growth and cell control processes - Differentiating viral from cellular DNA polymerases (mice)
- RO1CA-12386-03 Development of lymphoma in the thymus (mice)
- ** RO1CA-13085-03 Serologic assessment of murine and feline leukemias
- PO1CA-13330-03 0047 Cancer research program - Role of viral infection and 3-methylcholanthrene in neoplastic response (mice)
- PO2CA-13943-02 0028 Clinical pharmacology immunology cancer research center - Immune responses to tumor cell antigens of leukemia and lymphoma (human)
- RO1CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- ** RO1CA-14529-02 Search for leukemia viruses with a helper virus assay (mice)
- ** RO1CA-14730-01 Virus induced leukemic stem cells in mice
- ** RO1CA-14792-02 Radioimmunoassay of mammalian oncornavirus antigens (human, rodents)
- PO1CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
- PO1CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- RO1CA-15036-02 A phosphoribosyltransferase from leukemic cells
- RO1CA-15072-01 Pathology of lymphoid neoplasms derived from T and B cells (mice)
- RO1CA-15643-01 Leukemogenesis and cellular immunity (viruses, mice)
- RO1CA-15747-01 Cellular RNA metabolism of RNA tumor viruses
- RO1CA-15819-01 Inhibitor of DNA polymerase in sera of tumor-bearing mice
- ** PO1CA-16038-01 0001 Program on the molecular basis of viral transformation - Immunological activation of oncogenic virus (mice)
- RO1CA-16251-01 Mouse leukemia and autoimmunity-Host-virus relations (mice)
- ** RO1CA-16252-01 Genetic and biochemical studies of MLV and MSV (mice)
- PO1CA-16359-01 0004 Cancer center support grant - Genetic control of cell membrane antigen expression
- ** NO1CP-33288-02 Virus typing and diagnostic reagents
- NO1CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
- NO1CP-43225-00 Immunity to virus associated and tumor associated antigens (mice, human)
- NO1CP-43299-00 Cells transformed by DNA and RNA tumor viruses

VIRUSES, ONCORNA, LEUKEMIA MOUSE FRIEND

- ** RO1AM-15555-03 Erythropoietin and the regulation of erythropoiesis (human, mice)
- ** RO1CA-07868-09 Defective Friend virus and its pseudotypes (mice)
- ** PO1CA-08748-09 6522 Research program of Sloan-Kettering Institute - Concentration and purification of murine leukemia virus (Friend virus)
- RO1CA-10537-05 RES function, tumor induction and growth (mice)
- ** RO1CA-12461-04 Suppression of established leukemia virus infection (mice)
- RO1CA-12586-02 Lymphocyte metabolism and therapy of viral leukemia
- RO1CA-12711-03 Soluble mammalian RNA polymerase (mice, friend virus)
- RO1CA-12795-03 Nonspecific resistance to viral-induced tumors (mice)
- ** RO1CA-13047-03 Control mechanisms of differentiation and malignancy
- ** PO1CA-13330-03 0040 Cancer research program - Reovirus and friend leukemia (mice, rats)
- PO1CA-13330-03 0044 Cancer research program - Genetic and immunologic factors in viral leukemogenesis (mice)
- PO1CA-13330-03 0045 Cancer research program - RNA processing in human cancer and virus-infected cells
- ** PO1CA-13330-03 0046 Cancer research program - Replication of VSV in Friend virus-infected mouse cells
- ** PO1CA-13330-03 0049 Cancer research program - Altered expression of Friend leukemia virus (mice)
- RO1CA-14045-02 Role of macrophage in resistance to cancer (human, mice, bacteria)
- RO1CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- ** RO1CA-14529-02 Search for leukemia viruses with a helper virus assay (mice)
- ** PO1CA-14599-01 0010 University of Chicago Cancer Research Center - Induction of erythropoiesis by murine erythroblastosis virus (mice)
- PO1CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
- ** PO1CA-14801-02 0003 Chemotherapy and regulation of oncogenic viruses - Friend virus and murine erythroid precursor cell differentiation (mice)

- PO1CA-14801-02 0004 Chemotherapy and regulation of oncogenic viruses - Ala-S activity friend disease-Antiviral drug effect
- ** RO1CA-15369-01 Immunobiology of viral leukemia and its treatment (mice)
- PO1CA-15822-01 0006 Immunobiology of normal and neoplastic lymphocytes - Genetic aspects of immune surveillance (mice)
- RO1CA-15988-01 Immune surveillance and cancer (mice)
- NO1CP-33249-02 Immunological and genetic factors in viral leukemogenesis (mice)
- ** NO1CP-43380-00 Host restriction of Friend Leukemia Virus
- PO1GM-19100-03 0016 Genetics research center - Immunogenetics (mice, viruses)

VIRUSES, ONCORNA, LEUKEMIA MOUSE GROSS

- ** RO1CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- ** RO1CA-08930-06 Morphological conversion with leukemia viruses (mice)
- ** RO1CA-10273-06 Leukemogenesis in rats and guinea pigs (also mice)
- PO1CA-10815-06 0009 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncornavirus (mice)
- RO1CA-12795-03 Nonspecific resistance to viral-induced tumors (mice)
- ** RO1CA-12929-03 Interrelationship between malignancy and immunity (mice)
- RO1CA-13467-02 Immunotherapy of mouse lymphomas
- RO1CA-13752-02 Iodoacetate-Immunotherapy of lymphoid leukemia (mice)
- RO1CA-14100-02 The viral etiology of cancer (mice, rats)
- PO1CA-14195-01 0025 Core grant-Regulation, the cell membrane and cancer - Regulation of antibody synthesis (cattle)
- ** RO1CA-15297-01 Viral and mouse genes in leukemia virus infection
- ** RO1CA-16227-01 Factors influencing leukemic transformation in vivo (mice, Gross virus)
- NO1CB-23878-03 Immune responses of mice and rats to tumor associated antigens (also hamsters)
- NO1CP-33204-02 Immunopathologic study of leukemia (human, mice)
- ** P10ES-00928-01 0010 Environmental agents-Relation to human health effects - Surface interactions between Gross leukemia virus and asbestos

VIRUSES, ONCORNA, LEUKEMIA MOUSE RAUSCHER

- RO1AI-06591-10 Chediak-Higashi syndrome and disease susceptibility (human, mink, mice)
- PO1CA-02332-20 0001 Clinical and laboratory studies of normal and abnormal growth - Detection of leukemia viruses (mice, human)
- PO2CA-06973-12 0022 Integrated clinical cancer research program - Neoplasia-Clonal proliferation or recruitment (human, mice)
- ** RO1CA-08725-06 Effect of leukemia viruses on hematopoiesis
- ** PO2CA-10438-08 0007 Clinical radiation therapy research center - Hematopoietic viral oncogenesis study group (mice)
- PO1CA-10815-06 0009 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncornavirus (mice)
- PO1CA-10815-06 0043 Consolidated basic cancer research program - Interrelationship between chemical carcinogens and RNA tumor viruses (rats, mice)
- RO1CA-12586-02 Lymphocyte metabolism and therapy of viral leukemia
- ** RO1CA-12733-03 Anti-leukemic narcissus alkaloid
- PO1CA-13330-03 0030 Cancer research program - Biochemical cytology of normal and malignant cells (human, animals)
- PO1CA-13330-03 0049 Cancer research program - Altered expression of Friend leukemia virus (mice)
- PO1CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
- RO1CA-14100-02 The viral etiology of cancer (mice, rats)
- PO1CA-14195-01 0025 Core grant-Regulation, the cell membrane and cancer - Regulation of antibody synthesis (cattle)
- ** PO1CA-15655-01 0007 Cancer center support grant - Chemotherapy of Rauscher leukemia and transplanted tumors (mice)
- RO1CA-16879-01 Viral oncogenesis
- NO1CM-33726-01 Evaluate antitumor properties of streptoviricin (mice)
- NO1CP-33223-02 Preparation of antisera against oncogenic viral antigens
- ** NO1CP-33301-01 Establish human immunity to Rauscher leukemia virus
- NO1CP-33365-02 Molecular virology studies of human leukemias
- PO1GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- RO1HL-03357-17 Humoral control of blood cell formation and release (rats, mice)

VIRUSES, ONCORNA, LEUKEMIA-SARCOMA FELINE

- ** PO1CA-08748-09 6807 Research program of Sloan-Kettering Institute - Epidemiologic studies of feline leukemia virus
- RO1CA-11224-06 0005 Neurooncogenesis by resorptive carcinogens - Virus-chemical cocarcinogenesis (cats)
- ** RO1CA-13085-03 Serologic assessment of murine and feline leukemias
- ** RO1CA-13885-01 Feline oncornaviruses-associated cell membrane antigen
- PO1CA-14193-02 0001 Comparative leukemia studies unit - Morphological and antigenic characteristics of BLV (mammals, tissue culture)
- ** RO1CA-14792-02 Radioimmunoassay of mammalian oncornavirus antigens (human, rodents)
- ** NO1CP-12059-11 Research on oncogenic viruses, virus production and vaccine development
- NO1CP-33223-02 Preparation of antisera against oncogenic viral antigens
- ** NO1CP-33346-02 Leukemia studies in the cat (and dogs)
- NO1CP-43217-00 Biohazards control and containment in oncogenic virus research
- NO1CP-43254-00 Type C RNA tumor viruses (animals)
- R23EY-01392-01 Induced retinal dysplasia (cats, dogs)

VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE (GENERAL)

- SEE ALSO VIRUSES, ONCORNA, LEUKEMIA MOUSE
- RO1AI-06591-10 Chediak-Higashi syndrome and disease susceptibility (human, mink, mice)
- PO1AI-07007-09 0002 Immunopathologic studies - Tumor immunology, cellular immunology
- PO1AI-07007-09 0014 Immunopathologic studies - Immunologic injury in tumor cells (mice)
- RO1CA-03352-18 Biological aspects of carcinogenesis by radiation (mice)
- PO2CA-06973-12 0019 Integrated clinical cancer research program - Biochemical virology-Viral detection studies (human, mice)
- ** PO2CA-08480-09 0011 Childhood cancer research center - Transspecies replication of Moloney murine sarcoma virus (hamsters)
- ** PO1CA-10815-06 0044 Consolidated basic cancer research program - Effects of chemical carcinogens on tumor viruses (rodents)
- PO1CA-10815-06 0045 Consolidated basic cancer research program - Oncogenic viruses and embryogenesis (mice)
- PO1CA-12174-04 0007 Growth and cell control processes - Initial product synthesized by DNA polymerase of tumor viruses
- RO1CA-13479-03 Provirus of RNA tumor viruses (mice)
- RO1CA-13664-03 Cancer immunotherapy by reducing feedback antibody (rats, rabbits, sheep)
- ** RO1CA-13795-02 Temperature-sensitive mutants of murine sarcoma virus (mice)
- RO1CA-14100-02 The viral etiology of cancer (mice, rats)
- PO1CA-14193-02 0001 Comparative leukemia studies unit - Morphological and antigenic characteristics of BLV (mammals, tissue culture)
- PO1CA-14195-01 0011 Core grant-Regulation, the cell membrane and cancer - Effect of cell transformation on differentiated cell function
- RO1CA-14216-02 Characterization of lymphoid populations in oncogenesis (mice)
- RO1CA-14697-02 Specific anti-tumor activity by 'armed' lymphoid cells (mice)
- PO1CA-14801-02 0009 Chemotherapy and regulation of oncogenic viruses - Sequences in nucleic acids of RNA tumor viruses
- RO1CA-16879-01 Viral oncogenesis
- ** NO1CP-33212-04 Viruses and experimental oncogenesis and human cancer (animals)
- NO1CP-33365-02 Molecular virology studies of human leukemias
- NO1CP-43243-00 Interactions between RNA tumor viruses and other viral agents
- NO1CP-43355-00 Conduct studies of nonsense suppressor of 3T3 cells (mice)
- NO1CP-43388-00 Type-C viruses in relation to oncogenic potential (human, animals)
- RO1ES-00826-02 Function of lead in tumorigenesis (mice, rats)

VIRUSES, ONCORNA, LEUKEMIA-SARCOMA MOUSE, MSV

- ** PO2AI-06320-10 0009 Transplantation immunology center - Biological activities of purified fractions against murine sarcoma
- PO1CA-10815-06 0009 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncornavirus (mice)
- PO1CA-10815-06 0059 Consolidated basic cancer research program - Genetic linkage between oncornavirus and mammalian chromosomes (human, mice)
- ** PO1CA-10893-06 0018 Cancer Research Center - RNA viruses (rats, mice)
- RO1CA-13171-02 Cellular and humoral interactions in tumor immunity (mice)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

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- RO1CA-13220-03 0001 Membrane biochemistry of neoplastic cells - Electrokinetic and biochemical nature of 3T3 cells (chick embryo)
- PO1CA-14195-01 0006 Core grant-Regulation, the cell membrane and cancer - Blocking of tumor immunity (mice)
- RO1CA-14274-02 Sugar transport and malignant transformation (mice)
- PO1CA-14599-01 0036 University of Chicago Cancer Research Center - Childhood leukemia studies
- PO1CA-14801-02 0011 Chemotherapy and regulation of oncogenic viruses - Molecular aspects of tumor immunology (human, mice, rats)
- RO1CA-14898-02 Transformation of human cells (rats, hamsters)
- ** RO1CA-16177-01 Autoimmunity and virus-induced leukemia (mice)
- ** RO1CA-16252-01 Genetic and biochemical studies of MLV and MSV (mice)
- NO1CP-43207-00 Spontaneous and virus induced neoplastic transformation (human, cats)
- NO1CP-43299-00 Cells transformed by DNA and RNA tumor viruses
- ** NO1CP-43306-00 Electron microscopic studies of tumor virus nucleic studies

VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN

- ** RO1CA-10148-08 Avian leukosis-sarcoma viruses
- PO1CA-13330-03 0042 Cancer research program - Avian myeloblastosis reverse transcriptase (mice, human)
- ** RO1CA-14061-02 Chicken lymphocyte alloantigens and viral oncogenesis
- ** RO1CA-14183-02 Isolation and properties of a sarcoma receptor (chickens, chick embryos)
- RO1CA-14790-02 RNA-directed DNA polymerase and 70S RNA of oncornaviruses
- ** PO2CA-15145-01 0047 Cancer center support grant - Isolation and properties of a sarcoma virus receptor (chickens)
- NO1CP-33265-02 Studies on avian virus proteins
- ** NO1CP-43242-00 Conditioned lethal mutant of RNA tumor viruses
- NO1CP-43355-00 Conduct studies of nonsense suppressor of 3T3 cells (mice)

VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

- SEE ALSO BLOOD AND RE NEOPLASMS, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS OF FOWL
- RO1AJ-06844-09 Biosynthesis of viral RNAs
- POIAM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- RO1CA-06709-12 Avian leukosis complex (poultry)
- PO2CA-06973-12 0028 Integrated clinical cancer research program - Interferon induction and viral inhibitors (mice)
- ** RO1CA-06999-11 Metabolic changes induced by tumor virus (human)
- ** RO1CA-10197-08 Tumor induction by avian myeloblastosis virus
- ** RO1CA-10232-06 Tumor virus proteins-Studies with specific antisera (rabbits)
- ** RO1CA-10697-08 Specificity of avian myeloblastosis virus
- ** RO1CA-12078-03 Surface antigens of RNA tumor virus-infected cells (chickens, rabbits)
- ** PO1CA-12174-04 0006 Growth and cell control processes - Nuclease associated with avian myeloblastosis virus DNA polymerase
- PO1CA-12174-04 0007 Growth and cell control processes - Initial product synthesized by DNA polymerase of tumor viruses
- RO1CA-12851-03 Embryonic and virally induced tumor cell membrane antigens (chickens, human)
- ** RO1CA-13134-03 Cell-mediated immunity in avian leukosis (chickens)
- RO1CA-13138-03 Surface proteins of normal and transformed cells (chick embryo)
- ** RO1CA-13213-03 Interactions between avian tumor viruses and their hosts
- ** PO1CA-13330-03 0042 Cancer research program - Avian myeloblastosis reverse transcriptase (mice, human)
- RO1CA-13347-03 Influence of the immune system on viral tumorigenesis (chickens)
- RO1CA-13591-03 Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice)
- RO1CA-14936-02 Role of host cells in virus induced tumors (chickens)
- RO1CA-15464-02 The structure and replication of tumor virus RNA
- ** RO1CA-15494-02 Tolerance and immunity to avian RNA tumor viruses and VISA
- PO1CA-15823-01 0006 Program in developmental biology of cancer - Structure and replication of oncornaviruses
- RO1CA-16225-01 RNA polymerase from chicken and human leukemic cells
- RO1CA-16312-01 Avian DNA polymerase-RNase H enzymes (E. coli, oncogenic viruses)
- ** NO1CP-33265-02 Studies on avian virus proteins
- ** NO1CP-33348-02 Study the leukemia virus DNA polymerase
- ** NO1CP-33366-01 Nucleic acids and proteins of the avian myeloblastosis virus

VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, ROUS

- SEE ALSO BLOOD AND RE NEOPLASMS, LEUKOSIS-SARCOMA AVIAN, ROUS SARCOMA
- RO1AJ-05664-11 Structure of immunologic determinants of proteins (rabbits, birds, rodents)
- RO1AJ-06862-09 Molecular mechanisms of virus replication
- RO1CA-05619-12 Interactions in normal and malignant cell populations
- PO1CA-07175-11 0016 Cancer research at the McArdle laboratory - Carcinogenesis by RNA viruses (rats, mice, chickens)
- RO1CA-08662-09 Structure of picornaviruses and leukoviruses (mice)
- ** PO1CA-08748-09 6705 Research program of Sloan-Kettering Institute - Protein biosynthesis in Rous sarcoma-transformed cells (chick embryo)
- RO1CA-10232-06 Tumor virus proteins-Studies with specific antisera (rabbits)
- RO1CA-10467-07 Biochemical events after tumor virus infection
- PO2CA-11067-05 0014 Clinical cancer research center - Pharmacologic inhibition of transcriptase activity, oncogenesis of RNA tumor vir
- RO1CA-11426-06 Structure and replication of Rous sarcoma and influenza virus (chickens)
- RO1CA-11634-05 Regulation of immunity (mice)
- RO1CA-11898-04 Brain tumors-Virological and immunological studies (hamsters, rabbits)
- ** PO1CA-12174-04 0020 Growth and cell control processes - Turnover of surface components in normal and transformed cells (chickens)
- ** RO1CA-12340-03 Mechanism of transformation by oncogenic RNA viruses
- RO1CA-12467-04 Early cell-surface changes in oncogenesis (chick embryo, viruses)
- ** RO1CA-12705-03 Replication and cellular transformation (chickens)
- RO1CA-12796-03 Isohemagglutinins for avian RNA tumor receptors
- RO1CA-13070-03 Active immunity to human and experimental brain tumors (hamsters)
- RO1CA-13134-03 Cell-mediated immunity in avian leukosis (chickens)
- RO1CA-13138-03 Surface proteins of normal and transformed cells (chick embryo)
- RO1CA-13213-03 Interactions between avian tumor viruses and their hosts
- RO1CA-13220-03 0001 Membrane biochemistry of neoplastic cells - Electrokinetic and biochemical nature of 3T3 cells (chick embryo)
- PO1CA-13330-03 0038 Cancer research program - Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo)
- ** RO1CA-13362-03 RSV functions involved in transformation
- ** RO1CA-13722-02 Cell surface receptors for oncogenic viruses
- PO1CA-14097-02 0011 Cancer research program-Viruses; control mechanisms - Tumor virus transformation-Tissue homeostasis (mammals)
- RO1CA-14142-12 Cell surface biochemistry of transformed animal cells (hamsters)
- RO1CA-14828-01 0004 Molecular mechanisms in carcinogenesis - Metabolic regulation in normal and malignant cells
- RO1CA-14910-02 Transcapillary exchange in experimental brain tumors (dogs)
- ** RO1CA-14935-02 Cellular alteration induced by Rous sarcoma virus
- RO1CA-14936-02 Role of host cells in virus induced tumors (chickens)
- PO2CA-15145-01 0049 Cancer center support grant - Blood groups MN-Structure and tumor virus relation
- RO1CA-15166-01 Small RNAs of RNA tumor virus
- RO1CA-15370-01 Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo)
- RO1CA-15464-02 The structure and replication of tumor virus RNA
- ** RO1CA-15716-01 Genetic studies of RNA tumor viruses (birds, chick embryo)
- PO1CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
- PO1CA-15823-01 0006 Program in developmental biology of cancer - Structure and replication of oncornaviruses
- ** PO1CA-15823-01 0007 Program in developmental biology of cancer - Viral and cellular events in transforming cells (chick embryo)
- RO1CA-16164-07 Anti-tumor immunity in agammaglobulinemic inbred fowl (chickens)
- ** PO1CA-16246-01 0004 Integrated tumor biology program - Genetics of tumor induction by Rous virus (mice)
- RO1CA-16879-01 Viral oncogenesis
- NO1CP-33311-02 Molecular basis of viral carcinogenesis (chick embryo, human, mammals)
- ** NO1CP-33348-02 Study the leukemia virus DNA polymerase
- NO1CP-43212-00 Structure and replication of murine and avian tumor viruses
- ** NO1CP-43219-00 Molecular and genetic studies of Rous sarcoma virus

- PI3DE-02731-08 0003 Development support for dental research institute - Dental virology
- RO1NS-09789-03 Fine structure of viral induced brain tumors (dogs)

VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, SARCOMA VIRUSES AVIAN

- SEE ALSO VIRUSES, ONCORNA, LEUKOSIS-SARCOMA AVIAN, ROUS
- PO1CA-08748-09 6705 Research program of Sloan-Kettering Institute - Protein biosynthesis in Rous sarcoma-transformed cells (chick embryo)
- ** RO1CA-16047-01 Viral protein in avian sarcoma virus-infected cells

VIRUSES, ONCORNA, MAMMARY TUMOR VIRUS

- ** PO1CA-05388-15 0001 Biology of mammary neoplasia - Problems of MTV-induced mammary cancer (mice)
- ** RO1CA-08515-09 Tissue culture studies of the mammary tumor virus (human, mice)
- ** RO1CA-08740-08 Etiological studies of mammary carcinoma (human, mice)
- RO1CA-10188-08 Lymphocyte allogeneic inhibition and tumor immunity (mice, rats)
- RO1CA-11058-06 Hormones, cellular biosynthesis and mammary carcinogenesis (mice)
- ** PO1CA-11405-06 0001 Core program on etiology of cancer - Purification of MTV and characterization
- ** PO1CA-11405-06 0002 Core program on etiology of cancer - Morphogenesis of MTV in cell culture (human)
- ** PO1CA-11405-06 0003 Core program on etiology of cancer - Early stages of replication and transformation by MTV (mice)
- ** PO1CA-11405-06 0004 Core program on etiology of cancer - Pathway of MTV from intestine to mammary gland (mice)
- ** PO1CA-11405-06 0005 Core program on etiology of cancer - Immunology of MTV infection in various inbred mouse strains
- ** PO1CA-11405-06 0007 Core program on etiology of cancer - Morphogenesis of Simian mammary tumor virus (also human)
- ** PO1CA-11405-06 0008 Core program on etiology of cancer - Characterization of mammary tumor virus in human milk and tissues
- ** PO1CA-11405-06 0009 Core program on etiology of cancer - Effect of human milk on structure of mouse B particles
- ** PO1CA-11405-06 0010 Core program on etiology of cancer - Detection of tumorigenicity of mammary tumor virus (human)
- PO1CA-11405-06 0011 Core program on etiology of cancer - Alternate cell culture to increase virus production (human, rats, hamsters)
- ** PO1CA-11405-06 0012 Core program on etiology of cancer - Immunology of human mammary tumor virus
- RO1CA-11736-05 Metabolic patterns in preneoplasia and neoplasia (mice)
- ** PO2CA-13943-02 0033 Clinical pharmacology immunology cancer research center - Effect of mammary tumor virus (MTV) infection on immunocompetence (mice)
- ** PO2CA-13943-02 0034 Clinical pharmacology immunology cancer research center - Effect of mammary tumor virus on spleen to phytohemagglutinin (mice)
- RO1CA-14462-02 Properties of lymphoid tumor cells (rats, mice, chickens)
- ** RO1CA-14792-02 Radioimmunoassay of mammalian oncornavirus antigens (human, rodents)
- NO1CB-02208-04 Pre-clinical studies on tumor protective activity of MER (mice, guinea pigs)
- ** NO1CP-33253-01 In vitro cultivation of human and mouse mammary tumor viruses
- NO1CP-33293-03 Study role of virion-associated DNA polymerase
- NO1CP-33339-02 Human milk and mammary tumors (chickens)
- ** NO1CP-33368-01 Immunogenetic studies on breast cancer and leukemia (mice, human)
- NO1CP-43223-00 Molecular studies on human and animal cancer-breast carcinoma
- ** NO1CP-43263-00 Mouse mammary tumor virus production facility

VIRUSES, PAPOVAVIRUSES

- ** RO1AJ-12121-02 A new human papova virus (hamsters, guinea pigs, rabbits)
- RO1AJ-12203-01 Characterization of measles virus latency (hamsters, human)
- ** PO2CA-08480-09 0007 Childhood cancer research center - Viral etiology of the Lucke tumor (frogs)
- RO1CA-13478-03 Investigation of SV40-related infections of man
- ** R26CA-14556-02 Human bladder tumors and papovaviruses
- NO1CP-33257-03 Viral etiology of human malignancies (monkeys)
- ** NO1CP-43266-00 New papovaviruses isolated from man
- ** RO1NS-08997-05 0003 Fine structural alterations in CNS viral disease - Viral diseases of the human nervous system
- ** RO1NS-11129-02 Morphology of chronic viral infections of the brain (human, monkeys, hamsters)
- RO1OH-00449-01 Cohort study of cancer mortality in virologists

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL H (PROJECT IDENTIFICATION DATA) for investigator's name and address.

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VIRUSES, PAPOVAVIRUSES, K VIRUS MOUSE

- P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
 R01HD-08184-10 Virus-cell interaction replication and differentiation (mice)

VIRUSES, PAPOVAVIRUSES, PAPILOMA VIRUS RABBIT

- SEE ALSO SKIN NEOPLASMS, PAPILOMA SHOPE
 R01CA-12686-02 Differentiation during progression to malignancy (rabbits)
 R01HD-06353-03 0003 Inherited metabolic disorders - Arginase deficient monkeys
 R01NS-05096-11 0011 New amine acid disorders in cerebral disease - Arginase deficiency in monkeys

VIRUSES, PAPOVAVIRUSES, PAPILOMA VIRUSES (GENERAL)

- SEE ALSO SKIN NEOPLASMS, PAPILOMA CUTANEOUS
 P01CA-10893-06 0015 Cancer Research Center - Study of human papilloma
 ** R01CA-15955-01 Papilloma virus-associated human tissue antigens (and guinea pigs)

VIRUSES, PAPOVAVIRUSES, POLYOMA VIRUS

- P01AI-07007-09 0011 Immunopathologic studies - Complement enzyme studies (human, mice)
 R01CA-05206-14 Latency and viral neoplasia (human, cell culture)
 ** R01CA-06654-12 Virus-induced neoplastic conversions
 ** R01CA-07139-11 Biochemical studies in polyoma transformed cells
 R01CA-07239-11 Cell proliferation and virus infection (mice, hamsters)
 P01CA-08748-09 6904 Research program of Sloan-Kettering Institute - Structure of picornavirus virions (encephalomyocarditis)
 ** R01CA-10984-06 Structure and function of ribonucleic acids (bacteria, bacteriophage)
 ** R01CA-11151-06 Maturation of RNA and DNA in tumor virus infection
 R01CA-12464-04 Immune reactivity and oncogenic virus infections (mice)
 ** R01CA-12741-03 Effect of virus-induced transformation on tRNA (mice, virus)
 R01CA-13168-03 Insertion of foreign DNA into oncogenic viral DNA
 R01CA-13393-02 Reversion of properties in virus-transformed cells
 R01CA-13401-03 5-BUdR effects on polyoma and SV40 transformed cells (mice)
 R01CA-13506-03 Characterization of virus genomes in transformed cells
 R01CA-13599-04 Relation of immune reactions to cutaneous neoplasia (human, rats)
 R01CA-13608-03 Function of viral genes involved in transformation (rodents)
 ** R01CA-13625-03 0004 Myeloma tumors in cell culture - Effect of exogenous viruses on myeloma cells (mice)
 R01CA-13763-02 Chromosomal variants of cells converted by viruses (human, hamsters)
 ** R01CA-13883-02 Replication of polyoma tumor-virus DNA
 ** R01CA-13884-02 Viral gene functions and regulation of cell growth
 ** R01CA-13978-02 Mammalian cell transformation by oncogenic viruses
 R01CA-14142-12 Cell surface biochemistry of transformed animal cells (hamsters)
 P01CA-14195-01 0004 Core grant-Regulation, the cell membrane and cancer - Function of viral and cellular genes (tissue culture)
 P01CA-14195-01 0005 Core grant-Regulation, the cell membrane and cancer - Viral gene functions and cell growth regulation (tissue culture)
 ** P01CA-14195-01 0009 Core grant-Regulation, the cell membrane and cancer - Polyoma gene functions and the transformed state
 P01CA-14195-01 0011 Core grant-Regulation, the cell membrane and cancer - Effect of cell transformation on differentiated cell function
 P01CA-14195-01 0016 Core grant-Regulation, the cell membrane and cancer - Serum factor requirements of fetal rat liver cells and transformed fibroblasts
 P01CA-14195-01 0023 Core grant-Regulation, the cell membrane and cancer - Viral gene functions involved in transformation (tissue culture)
 P01CA-14195-01 0024 Core grant-Regulation, the cell membrane and cancer - Cell surface proteins of polyoma virus and SV40 transformed cells (hamsters)
 ** R01CA-14448-02 DNA tumor viruses-Enzymology of polyoma DNA metabolism
 R01CA-14670-02 Host functions related to tumor virus infection
 P01CA-14733-02 0018 Control of gene expression, virus replication and cell growth - Ribonuclease activity and TTP synthesis (rats)
 ** R01CA-14989-01 Polyoma and SV40 tumor virus DNA sequence analysis
 ** R01CA-15058-01 Early genes of polyoma virus and DNA replication

- R01CA-15751-01 Function of tumor virus specific non-virion proteins
 P01CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
 P01CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
 N01CB-02207-09 In vitro tests for tumor specific antigens (human, animals)
 N01CB-23878-03 Immune responses of mice and rats to tumor associated antigens (also hamsters)
 N01CB-43987-00 Organization and dynamics of cell surface membrane components
 N01CM-22062-05 Procurement of embryonic cell lines with variable growth rates (mice, rats)
 N01CP-02217-04 Aspects of enzyme induction relative to lung cancer (human, hamsters, mice)
 ** N01CP-43243-00 Interactions between RNA tumor viruses and other viral agents
 N01CP-43299-00 Cells transformed by DNA and RNA tumor viruses
 N01CP-43318-00 Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals)
 N01CP-43355-00 Conduct studies of nonsense suppressor of 3T3 cells (mice)
 P01GM-14552-08 0021 Normal and abnormal cell growth multidiscipline study - Viruses and fetal liver erythroid cell differentiation (mice)
 ** P01GM-17702-05 0010 Human biochemical genetics - Transformation and transduction of mammalian cells in vitro
 R01GM-18586-03 Nucleotide sequencing methods for oncogenic viruses
 R01GM-19835-02 Ribosomes of hybrid cells and tumor virus effects (mice, hamsters)
 R01HD-04110-04 Virus induced disorders of growth and development (mice)

VIRUSES, PAPOVAVIRUSES, SV40 VIRUS

- R01AI-00957-19 RNA function in viral infected and uninfected cells
 R01AI-01725-17 Biochemistry of animal virus multiplication
 R01AI-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
 R01AI-12052-01 Biochemical changes in adeno-infected and transformed cells
 R01AI-12477-01 Complement and cellular activation (mice, guinea pigs, rabbits)
 ** R01CA-04571-16 Viruses in the pathogenesis of human tumors
 P02CA-06516-12 0022 Cancer center support grant-Comprehensive - Mechanism of SV40 protection (mice)
 ** P02CA-06519-12 0088 Radiation therapy and biology research program - Viral proteins in SV-40 infected mammalian cells
 ** R01CA-06656-12 Biochemical aspects of viral carcinogenesis
 ** R01CA-08731-09 Viral carcinogenesis with special reference to SV40
 R01CA-10055-08 Interaction of viruses with host chromosomes
 ** R01CA-10137-08 Structure of virus and low molecular weight RNA
 ** R01CA-10594-07 Regulatory processes in tumor virus-infected cells
 P01CA-10815-06 0007 Consolidated basic cancer research program - Characterize antigens of virus transformed cells (human, laboratory animals)
 P01CA-10815-06 0008 Consolidated basic cancer research program - Isolate and characterize T antigen (human, hamsters, mice)
 ** P01CA-10815-06 0011 Consolidated basic cancer research program - Cell-free SV40-induced transplantation antigen (hamsters)
 P01CA-10815-06 0012 Consolidated basic cancer research program - SV40 virus-induced growth of macrophage clones (rabbits)
 P01CA-10815-06 0016 Consolidated basic cancer research program - Characterize immune response to tumor-associated virus (amphibians, fish)
 ** P01CA-10815-06 0021 Consolidated basic cancer research program - SV-40 infection mechanisms (human, mice)
 P01CA-10815-06 0022 Consolidated basic cancer research program - Cellular and viral factors in integration of the viral genome (hamsters)
 ** P01CA-10815-06 0023 Consolidated basic cancer research program - Mechanisms associated with integration of SV40 DNA (mammals)
 P01CA-10815-06 0024 Consolidated basic cancer research program - Polyploid formation (hamsters, mice)
 P01CA-10815-06 0025 Consolidated basic cancer research program - Cell-free system to study viral DNA (monkeys)
 ** P01CA-10815-06 0026 Consolidated basic cancer research program - Relationship between SV40 integration and cellular DNA repair (monkeys)
 ** P01CA-10815-06 0027 Consolidated basic cancer research program - Functions of viral genome in SV40 transformed cells (human, monkeys)
 ** P01CA-10815-06 0028 Consolidated basic cancer research program - Selection of lethal mutants of SV40 (mammals)
 ** P01CA-10815-06 0029 Consolidated basic cancer research program - Regulation and transcription of free and integrated SV40 genome (monkeys)
 ** P01CA-10815-06 0034 Consolidated basic cancer research program - Interaction of SV40 and Py DNA with the cellular genome (human, mice, hamsters)
 ** P01CA-10815-06 0044 Consolidated basic cancer research program - Effects of chemical carcinogens on tumor viruses (rodents)
 P01CA-10815-06 0045 Consolidated basic cancer research program - Oncogenic viruses and embryogenesis (mice)
 P01CA-10815-06 0057 Consolidated basic cancer research program - SV40-induced polyploidy (hamsters)
 P01CA-10815-06 0062 Consolidated basic cancer research program - Expression of cell surface antigens in hybrid cells (human, mice)
 P01CA-10815-06 0063 Consolidated basic cancer research program - Properties of macrophage growth factor derived from L cells (human)
 P01CA-10815-06 0072 Consolidated basic cancer research program - Clone cell properties-virus and chemical transformation (human, hamsters)
 P01CA-10893-06 0014 Cancer Research Center - Viral genes involved in cell transformation (monkeys, mice, hamsters)
 ** P01CA-10893-06 0019 Cancer Research Center - Cancer immunology-Approaches with SV40-induced tumors (mice, hamsters, human)
 P01CA-10893-06 0020 Cancer Research Center - Characterization of tumor-specific antigen (hamsters)
 R01CA-10945-06 Interaction of oncogenic and non-oncogenic viruses (rabbits)
 ** R01CA-11049-06 DNA replication in SV40 infected cells
 P01CA-11405-06 0018 Core program on etiology of cancer - Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human)
 R01CA-11647-05 The replication of viruses
 R01CA-11650-03 Immunochemical isolation of tumor specific antigens (hamsters, SV40 virus)
 R01CA-11893-05 Cellular and viral control of oncogenic transformation (mice, hamsters)
 ** R01CA-11895-05 Molecular biology of tumor viruses
 R01CA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
 ** R01CA-12068-03 Integration of SV40 DNA into mouse cell chromosomes
 R01CA-12131-03 Viral transformation genetics, and leukemia risk (human)
 R01CA-12235-09 Nucleic acid methylating enzymes (mammals, human, E. coli, viruses)
 ** R01CA-12472-03 Molecular mechanism of viral (SV 40) carcinogenesis
 ** R01CA-12557-03 SV40-Genetic analysis and oncogenic transformation
 ** P01CA-12708-03 0009 Studies of normal and malignant growth - Role of host functions in tumor virus infection (mice, hamsters)
 R01CA-12794-03 Viral gene function in malignant transformation (human)
 R01CA-12808-03 Protein turnover during neoplasia (rats)
 ** P01CA-12923-02 0002 A correlated study on the biology of neoplasia - Stimulation of DNA synthesis by SV-40 (mice)
 P02CA-12924-03 0035 Tufts cancer research center - Nature of virus specific transplantation antigen
 ** P02CA-12924-03 0036 Tufts cancer research center - Prereplicative temperature-sensitive mutants of SV40
 ** R01CA-12948-03 Host range mutants of simian virus 40
 P01CA-13106-03 0001 Cold Spring Harbor laboratory cancer research center - Protein synthesis section
 P01CA-13106-03 0005 Cold Spring Harbor laboratory cancer research center - Mammalian cell genetics section
 P01CA-13106-03 0006 Cold Spring Harbor laboratory cancer research center - Tumor virus section (human, monkeys, cattle)
 P01CA-13106-03 0007 Cold Spring Harbor laboratory cancer research center - Protein and nucleic acid structure section (mammals)
 P02CA-13148-03 0021 Pilot cancer center - Possible role of coinfection in cancer production
 R01CA-13168-03 Insertion of foreign DNA into oncogenic viral DNA
 P01CA-13330-03 0029 Cancer research program - Cyclic AMP in normal and malignant cells (rabbits, monkeys, human)
 ** P01CA-13330-03 0039 Cancer research program - Interaction of oncogenic viruses (human, monkeys, hamsters)
 P01CA-13330-03 0057 Cancer research program - Host DNA replication induced by oncogenic viruses (monkeys, mice)
 ** R01CA-13394-02 Mechanism of viral carcinogenesis (human)
 R01CA-13401-03 5-BUdR effects on polyoma and SV40 transformed cells (mice)
 ** R01CA-13478-03 Investigation of SV40-related infections of man
 R01CA-13515-02 Genetic study of animal viruses (monkeys)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- R01CA-13763-02 Chromosomal variants of cells converted by viruses (human, hamsters)
- ** R01CA-13978-02 Mammalian cell transformation by oncogenic viruses
- ** R01CA-14026-02 Structure and function of tumor virus DNA SV40
- R01CA-14142-12 Cell surface biochemistry of transformed animal cells (hamsters)
- R01CA-14195-01 0010 Core grant-Regulation, the cell membrane and cancer - Regulation and function of cell surface antigens (mice)
- R01CA-14195-01 0011 Core grant-Regulation, the cell membrane and cancer - Effect of cell transformation on differentiated cell function
- R01CA-14195-01 0024 Core grant-Regulation, the cell membrane and cancer - Cell surface proteins of polyoma virus and SV40 transformed cells (hamsters)
- R01CA-14274-02 Sugar transport and malignant transformation (mice)
- ** R01CA-14530-02 Substituted SV40 DNA
- R26CA-14556-02 Human bladder tumors and papovaviruses
- ** R01CA-14572-02 Characterization of specific fragments of SV40 DNA
- R01CA-14599-01 0009 University of Chicago Cancer Research Center - DNA replication in normal and transformed cells (mice, Drosophila)
- R01CA-14670-02 Host functions related to tumor virus infection
- R01CA-14723-02 0009 Experimental cancer immunology - Specialized functions of neoplastic hamster lymphoid cells
- R01CA-14733-02 0018 Control of gene expression, virus replication and cell growth - Ribonuclease activity and TTP synthesis (rats)
- ** R01CA-14885-01 Simian virus 40 DNA replication and transformation
- ** R01CA-14939-02 Biology of SV40 specific transplantation antigen (mice, hamsters)
- ** R01CA-14989-01 Polyoma and SV40 tumor virus DNA sequence analysis
- R01CA-15109-01 Transformation of cells by chemical carcinogens (hamsters, frogs)
- ** P02CA-15145-01 0038 Cancer center support grant - Assembly and maturation of DNA tumor virus, SV40
- R01CA-15149-01 The DNA-transfer method of virus rescue
- ** R01CA-15513-01 Basic mechanisms in viral carcinogenesis
- ** R01CA-15679-01 SV40 potentiation of immune responsiveness to tumors (mice)
- ** R01CA-15743-01 Oncogenic mechanisms-SV40 and host genetic analysis
- ** R01CA-15751-01 Function of tumor virus specific non-virion proteins
- R01CA-15823-01 0001 Program in developmental biology of cancer - Developmental studies of transformed cells
- R01CA-15823-01 0004 Program in developmental biology of cancer - Biologic behavior of chondrogenic cells (chick embryo, hamsters)
- ** R01CA-15941-01 Simian virus 40 DNA
- R01CA-15953-01 Regulation of nucleic acid metabolism in neoplasia (human)
- R01CA-16030-01 Pathology of neoplastic transformation (SV40, hamsters)
- ** R01CA-16038-01 0004 Program on the molecular basis of viral transformation - Viral genetic information in SV40 transformed cells (human, monkeys, mice)
- R01CA-16038-01 0007 Program on the molecular basis of viral transformation - Variations in secondary structure of nucleic acids
- ** R01CA-16038-01 0009 Program on the molecular basis of viral transformation - SV40 proteins
- ** R01CA-16038-01 0014 Program on the molecular basis of viral transformation - Structural basis for regulation of DNA virus gene expression
- ** R01CA-16106-01 Structural studies on proteins specified by SV40
- R01CA-16239-01 0001 Biosynthesis in normal and virus-transformed cells - Interaction between oncogenic DNA viruses and their host cells (mice, hamsters)
- NO1CB-44000-00 Organization and dynamics of cell surface membrane components
- NO1CM-22062-05 Procurement of embryonic cell lines with variable growth rates (mice, rats)
- NO1CP-33250-03 Isolation and characterization of transplantation antigens (human, hamsters)
- NO1CP-43201-00 Mortality experience of children inoculated with SV40
- NO1CP-43217-00 Biohazards control and containment in oncogenic virus research
- NO1CP-43243-00 Interactions between RNA tumor viruses and other viral agents
- NO1CP-43249-00 Application of animal virus model systems to human neoplasia
- NO1CP-43252-00 SYCP back-up laboratory
- NO1CP-43318-00 Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals)
- NO1CP-43355-00 Conduct studies of nonsense suppressor of 3T3 cells (mice)
- R01GM-12934-10 Synthesis of infectious bacteriophage particles
- P01GM-14552-08 0021 Normal and abnormal cell growth multidisciplinary study - Viruses and fetal liver erythroid cell differentiation (mice)
- P01GM-15253-08 0042 Genetics in medicine-Gene action in man - SV40 transformation of fibroblasts from mothers of Downs syndrome subjects
- P01GM-15253-08 0043 Genetics in medicine-Gene action in man - Effect of lymphocyte lysate on transformation of allogenic fibroblasts
- P01GM-15253-08 0046 Genetics in medicine-Gene action in man - SV40 transformation of fibroblasts from subjects at risk to develop malignancy
- R01GM-18586-03 Nucleotide sequencing methods for oncogenic viruses
- R01GM-20363-02 The mechanism and control of DNA replication (E coli, mammals)
- R01OH-00449-01 Cohort study of cancer mortality in virologists
- VIRUSES, PAPOVAVIRUSES, WARTS VIRUSES**
- SEE ALSO SKIN NEOPLASMS, VIRUS WARTS
- ** R01CA-10893-06 0015 Cancer Research Center - Study of human papilloma
- ** R01CA-13007-03 Human wart virus as an oncogenic agent
- R26CA-14556-02 Human bladder tumors and papovaviruses
- VIRUSES, PICODNAVIRUSES**
- SEE ALSO VIRUSES, BACTERIOPHAGE PHI-X-17*
- P02CA-06519-12 0085 Radiation therapy and biology research program - Single-stranded DNA bacteriophage and animal viruses
- ** P01CA-16359-01 0007 Cancer center support grant - Parvovirus replication
- NO1CP-33288-02 Virus typing and diagnostic reagents
- ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
- ** P01NS-10920-02 0003 Development and regeneration in the nervous system - Maturing oligodendrocytes in developing brain (rats)
- P01NS-10920-02 0009 Development and regeneration in the nervous system - Cerebral malformations induced by bluetongue virus (animals)
- VIRUSES, PICODNAVIRUSES, ADENO ASSOCIATED**
- R07AI-10048-14 0001 International center for medical research - Respiratory virus research and hypothesis of epidemiology (human)
- ** R01AI-10843-03 Molecular biology of adeno-associated virus
- ** R01AI-11325-02 Molecular interrelationships among AAV proteins (guinea pigs)
- ** R01CA-11895-05 Molecular biology of tumor viruses
- ** R01CA-14618-01 Growth and maturation of adeno-associated satellite viruses
- ** P01HD-03298-13 0004 Developmental pathology - Experimental virology and developmental disease (rats, hamsters, mice)
- VIRUSES, PICODNAVIRUSES, MINUTE VIRUS OF MICE**
- ** P01CA-16038-01 0013 Program on the molecular basis of viral transformation - Regulation of cell division and DNA synthesis by parvovirus structural proteins
- R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
- VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV)**
- R01NS-08997-05 0001 Fine structural alterations in CNS viral disease - Viral teratogenesis (hamsters, Kilham rat virus, bluetongue virus)
- VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV), H-1**
- ** R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
- P01CA-12093-04 0008 Immunobiology of cancer - Tumor immunology (mice, hamsters)
- R01HD-04110-04 Virus induced disorders of growth and development (mice)
- R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
- VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV), H-3**
- R01CA-07826-09 Viruses and cancer role of latent viruses in resistance (hamsters)
- VIRUSES, PICODNAVIRUSES, RAT VIRUS (RV), HER STRAIN**
- R01HD-07775-13 Picodnaviruses, mongolism, hepatitis, and leukemia (rats, mice, swine, hamsters)
- VIRUSES, PICORNAVIRUSES**
- ** R01AI-03445-15 Virus induced alterations in animal cells
- R01AI-06844-09 Biosynthesis of viral RNAs
- ** R01AI-12089-01 The selection of picornavirus-assistant cells
- R01CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
- R01CA-13008-03 Control of protein synthesis in viral oncogenesis
- R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- NO1CP-33288-02 Virus typing and diagnostic reagents
- VIRUSES, PICORNAVIRUSES, COXSACKIE VIRUSES**
- ** R01AI-03771-14 Viral interference in carrier cultures
- R07AI-10048-14 0001 International center for medical research - Respiratory virus research and hypothesis of epidemiology (human)
- NO1AI-90089-07 Certification of viral reagents
- ** R01AM-17202-01 Diabetes mellitus; role of coxsackievirus B infection (mice, human)
- NO1CM-12123-05 Viral studies in support of cancer chemotherapy patients
- ** P01HL-10539-09 0024 Pathophysiology of circulation - Experimental viral cardiomyopathy (hamster)
- ** P01NS-10920-02 0010 Development and regeneration in the nervous system - Viral arthrogryposis multiplex congenital (chick embryo)
- VIRUSES, PICORNAVIRUSES, ECHO VIRUSES**
- NO1AI-90089-07 Certification of viral reagents
- NO1CM-12123-05 Viral studies in support of cancer chemotherapy patients
- VIRUSES, PICORNAVIRUSES, EMC GROUP**
- R01AI-11573-02 Biophysical studies of virus assembly
- R01AI-11658-01 Polypeptide cleavage during EMC virus synthesis
- R01CA-15604-02 Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick)
- VIRUSES, PICORNAVIRUSES, EMC GROUP, EMC VIRUS**
- ** R01AI-09118-06 Pathogenicity of EMC virus (mice, monkey, swine)
- ** R01AI-11658-01 Polypeptide cleavage during EMC virus synthesis
- ** P01CA-08748-09 6904 Research program of Sloan-Kettering Institute - Structure of picornavirus virions (encephalomyocarditis)
- R01CA-13384-03 Immunogenicity of membrane and tumor antigens (mice)
- R01GM-17849-03 Specific synthetic inhibitors of proteases (virus, cattle, human)
- VIRUSES, PICORNAVIRUSES, EMC GROUP, ME VIRUS**
- R01CA-08662-09 Structure of picornaviruses and leukoviruses (mice)
- ** R01CA-10641-08 RNA synthesis in animal cells infected with ME virus
- R01NS-09053-05 Fine structural pathology of myelin (chickens, dogs)
- VIRUSES, PICORNAVIRUSES, EMC GROUP, MINGO VIRUS**
- R01AI-06844-09 Biosynthesis of viral RNAs
- R01AI-11573-02 Biophysical studies of virus assembly
- R01CA-03151-17 Intermediary metabolism (rodents, rabbits, human)
- R01CA-08416-09 Control of transcription and translation in mammalian cells
- R01CA-10641-08 RNA synthesis in animal cells infected with ME virus
- ** P01CA-14733-02 0015 Control of gene expression, virus replication and cell growth - Protein synthesis in virus-infected cells (human)
- ** P01CA-14733-02 0016 Control of gene expression, virus replication and cell growth - Mengovirus proteins from large precursor polypeptides (human)
- P01CA-14733-02 0017 Control of gene expression, virus replication and cell growth - Ribosomal proteins and protein elongation factors (mammals)
- ** R01CA-16959-09 Mengovirus replication in rat hepatoma cells
- VIRUSES, PICORNAVIRUSES, ENTEROVIRUSES (GENERAL)**
- R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- R01AI-03771-14 Viral interference in carrier cultures
- ** NO1AI-90089-07 Certification of viral reagents
- R01CA-10802-07 Synthesis in normal virus-infected and tumor cells (human, mice)
- ** P01CA-13330-03 0053 Cancer research program - Interaction of a picorna virus with cultured lymphocytes (human)
- R01FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
- R01GM-16164-06 Stochastic epidemic models
- VIRUSES, PICORNAVIRUSES, HOG CHOLERA VIRUS**
- R01HD-08182-05 Virus effects on the fetal nervous system (mice, swine, guinea pigs)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific level.

**Omitted significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

VIRUSES, PICORNAVIRUSES, POLIOMYELITIS VIRUS

- SEE ALSO VACCINES, VIRAL, POLIOMYELITIS VACCINE
 R01AI-03536-14 Biochemistry of virus infections
 R01AI-06862-09 Molecular mechanisms of virus replication
 R01AI-07140-09 Translation and replication of RNA containing viruses
 R01AI-08368-07 Viral-modified membranes in virus maturation
 ** R01AI-08388-07 Poliovirus synthesis and translation of viral RNA (rats)
 R01AI-08814-06 Regulation of viral RNA translation
 R01AI-10216-04 Studies of cell and virus protein
 R01AI-10429-03 Virus-cell and virus-antibody interaction
 ** R01AI-10430-03 Molecular basis for the attenuation of poliovirus
 M01AI-90089-07 Certification of viral reagents
 R01CA-08416-09 Control of transcription and translation in mammalian cells
 R01CA-10666-07 0004 Molecular pharmacology of tumor and virus inhibitors - Aminoaromatic acid and related triphenylmethane dyes (beta cells, & cell)
 R01CA-10666-07 0005 Molecular pharmacology of tumor and virus inhibitors - Gliotoxin and related compounds (polio virus)
 R01CA-10666-07 0006 Molecular pharmacology of tumor and virus inhibitors - Hydroxybenzimidazole
 P01CA-11405-06 0018 Core program on etiology of cancer - Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human)
 ** P01CA-12174-04 0004 Growth and cell control processes - Gene order of the poliovirus capsid proteins
 ** P01CA-12174-04 0005 Growth and cell control processes - Defective interfering particles of poliovirus
 R01CA-12187-05 Growth and differentiated function in mammalian cells (human, mice, hamsters)
 P01CA-13330-03 0023 Cancer research program - Virus-host cell interaction
 P01CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)
 R01CA-16879-01 Viral oncogenesis
 R01FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
 R01GM-16164-06 Stochastic epidemic models
 P01HD-06321-02 0005 Genetic aspects of human fetal development - Characterization of the immune system in the developing fetus (human)

VIRUSES, PICORNAVIRUSES, RHINOVIRUSES

- ** R01AI-04059-13 0001 Viral respiratory diseases - Characterization of viruses causing common respiratory diseases in man
 ** R01AI-09775-04 Rhinovirus immunology and epidemiology (human, rabbits)
 P15AI-10404-04 Allergic disease center (children)
 ** N01AI-11188-09 Testing and certifying rhinovirus reference reagents (goats)
 ** M01AI-92062-09 Maintenance of rhinovirus reference center
 R01HL-14703-08 The role of infection in emphysema (human)
 ** M01RR-00350-08 0051 General clinical research center - Standardization for adenovirus 5 subunit vaccines (human)
 M01RR-00350-08 0090 General clinical research center - Functional studies of human alveolar macrophages
 M01RR-00350-08 0096 General clinical research center - Effect of viral and mycoplasma respiratory tract infection (human)

VIRUSES, POXVIRUSES

- R01AI-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
 ** R01CA-11027-06 Transcription and translation in poxvirus infected cells
 P02CA-13148-03 0070 Pilot cancer center - Ara-A therapy in immunosuppressed host
 R01NS-11782-01 Replication of the slow virus visna
 P06RR-00361-08 Reference center for study of primate viruses

VIRUSES, POXVIRUSES, FIBROMA VIRUS

- SEE ALSO VIRUSES, POXVIRUSES, SHOPE FIBROMA VIRUS
 ** M01AI-02131-05 Study of interferon and interferon inducers (rabbits, mice)

VIRUSES, POXVIRUSES, FOWLPOX VIRUS

- ** R01AI-02031-16 Biochemistry of fowlpox replication and hyperplasia
 ** R01AI-09447-05 Lipid biosynthesis induced by poxvirus infection (chick embryo, rats)

VIRUSES, POXVIRUSES, MOLLUSCUM CONTAGIOSUM VIRUS

- ** R01CA-15506-02 Isolation of molluscum contagiosum virus (human)

VIRUSES, POXVIRUSES, SHOPE FIBROMA VIRUS

- R01CA-15523-01 Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit)

VIRUSES, POXVIRUSES, VACCINIA VIRUS

- ** M01AI-02131-05 Study of interferon and interferon inducers (rabbits, mice)
 R01AI-03536-14 Biochemistry of virus infections
 R01AI-07477-08 Morphogenesis and transport of nucleoproteins and membranes
 R01AI-10217-04 Interferon and host resistance to viral infection (mice)
 ** R01AI-10339-03 Vaccinia virus immune mechanisms (monkey, rabbits)
 ** R01AI-10828-03 Poxvirus biochemistry and synthetic virus particles
 ** R01CA-07160-10 Possible neoplastic effects of non-neoplastic viruses (mice)
 R01CA-10666-07 0002 Molecular pharmacology of tumor and virus inhibitors - Camptothecin (viruses, mammals)
 ** P01CA-11405-06 0014 Core program on etiology of cancer - Biochemical mechanism of virus induced chromosome breaks(human)
 P01CA-13330-03 0024 Cancer research program - Mechanism of drug action (human)
 P01CA-13330-03 0047 Cancer research program - Role of viral infection and 3-methylcholanthrene in neoplastic response (mice)
 P01CA-13330-03 0048 Cancer research program - Biochemical pharmacology of anti-tumor drugs
 ** P01CA-14733-02 0002 Control of gene expression, virus replication and cell growth - Double-stranded RNA in vaccinia-infected cells
 P01CA-14733-02 0004 Control of gene expression, virus replication and cell growth - Transcription in interferon-induced antiviral activity (chickens, mice)
 P01CA-14733-02 0022 Control of gene expression, virus replication and cell growth - Mechanisms of interferon action and viral protein synthesis
 R01GM-10717-12 Nucleic acid metabolism of mammalian cells in culture
 P01GM-19100-03 0016 Genetics research center - Immunogenetics (mice, viruses)
 R01HD-04110-04 Virus induced disorders of growth and development (mice)
 ** R01NS-10590-02 Relationship of multiple sclerosis and vaccinia (human)

VIRUSES, POXVIRUSES, YABA VIRUS

- ** R01CA-11613-05 Yaba virus oncogenesis-Immunologic and viral factors (monkeys, rabbits)

VIRUSES, RESPIRATORY (GENERAL)

- SEE ALSO VIRUSES, ADENOVIRUSES
 SEE ALSO VIRUSES, CORONAVIRUSES
 SEE ALSO VIRUSES, HERPESVIRUSES, AVIAN INFECTIOUS LARYNGOTRACHEITIS VIRUS
 SEE ALSO VIRUSES, HERPESVIRUSES, EQUINE RHINOPNEUMONITIS VIRUS
 SEE ALSO VIRUSES, MYXOVIRUSES, INFLUENZA VIRUSES
 SEE ALSO VIRUSES, MYXOVIRUSES, PARAINFLUENZA VIRUSES
 SEE ALSO VIRUSES, PICORNAVIRUSES, RHINOVIRUSES
 R01AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
 ** R01AI-04059-13 0001 Viral respiratory diseases - Characterization of viruses causing common respiratory diseases in man
 ** R07AI-10048-14 0001 International center for medical research - Respiratory virus research and hypothesis of epidemiology (human)
 P15AI-10404-04 Allergic disease center (children)
 ** M01AI-42543-00 Detection of respiratory virus genome in human tissues
 P01ES-00628-04 0002 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to viral infections (mice)
 ** R01ES-00741-02 Interaction of SO2 and virus on respiratory mucosa (chickens)
 R01HD-06819-02 Infection and childhood obstructive airway disease
 P01HL-09814-09 0018 Research program - Cardiovascular and related disease - Antibody status and health of children during first year of life
 P17HL-14136-04 0003 Obstructive lung diseases - Acute pediatric respiratory disease and COLD
 R01HL-14703-08 The role of infection in emphysema (human)
 R01HL-15111-03 Host factors in pathogenesis of respiratory disease (human, hamsters)

VIRUSES, RHABDOVIRUSES, RABIES

- SEE ALSO NERVOUS DISORDERS CENTRAL, RABIES
 SEE ALSO VACCINES, VIRAL, RABIES VACCINE
 R01AI-02953-14 Cell immunity-Natural inhibitors of viral activity (rabbits, mice)
 ** R22AI-10831-03 Intragroup relationships of rabies serogroup (mice)
 ** P01AI-11132-03 0002 Prevention or control of arbovirus infections - Arthropod susceptibility to rabies related viruses (rodent, rabbit, chick, bat)
 ** P01AI-11132-03 0003 Prevention or control of arbovirus infections - Rhabdovirus epidemiology improved techniques (rodent, rabbit, human)
 ** M01AI-12199-02 Improved method for inactivation of rabies virus

- M01AI-42554-00 Study rabies virus antigen (mice)

VIRUSES, RNA VIRUSES (GENERAL)

- SEE ALSO NUCLEIC ACIDS, RNA VIRAL
 SEE ALSO VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)
 R01AI-06862-09 Molecular mechanisms of virus replication
 ** R01AI-07140-09 Translation and replication of RNA containing viruses
 ** R01AI-11377-01 Structure and replication of enveloped RNA viruses
 P01AI-11851-01 0009 Biology and biochemistry of lymphocyte surface - Virus-lymphocyte interactions (mice)
 ** R01AI-11851-01 Molecular structure of RNA viruses (R17 phage, turnip yellow mosaic virus)
 ** R01AI-11856-01 Molecular structure of RNA viruses
 ** R01AI-11996-01 Superinfection exclusion in RNA animal viruses (mice)
 R01AI-12066-01 0001 Nucleoside analogs-Biosynthesis and role in the cell - Macromolecular synthesis (mice, human, E. coli, virus)
 M01AI-42543-00 Detection of respiratory virus genome in human tissues
 P02AM-05577-13 0003 Clinical research unit in rheumatic diseases - Antigen-antibody complexes in human disease (mice, human, rabbits)
 R01CA-04036-16 Electron microscopy of viruses and carcinogenesis (human)
 P02CA-05831-13 0030 Cancer clinical research - Relationship of viruses to human solid tumors (also mice)
 P02CA-06973-12 0019 Integrated clinical cancer research program - Biochemical virology-Viral detection studies (human, mice)
 P02CA-06973-12 0022 Integrated clinical cancer research program - Neoplasia-Clonal proliferation or recruitment (human, mice)
 ** P01CA-07175-11 0019 Cancer research at the McArdle laboratory - Immunology of oncogenic RNA viruses
 ** P01CA-08748-09 6501 Research program of Sloan-Kettering Institute - High resolution electron microscopy of RNA tumor viruses
 ** P01CA-10815-06 0009 Consolidated basic cancer research program - Transplantation antigens and genomic expression of oncovirus (mice)
 P01CA-10815-06 0030 Consolidated basic cancer research program - Transcription of RNA tumor virus genomes into complementary DNA
 ** P01CA-10815-06 0043 Consolidated basic cancer research program - Interrelationship between chemical carcinogens and RNA tumor viruses (rats, mice)
 P01CA-10815-06 0059 Consolidated basic cancer research program - Genetic linkage between oncoma viruses and mammalian chromosomes (human, mice)
 P01CA-10815-06 0068 Consolidated basic cancer research program - Role of sterols in membrane synthesis of RNA viruses
 ** P01CA-10893-06 0018 Cancer Research Center - RNA viruses (rats, mice)
 P01CA-10893-06 0021 Cancer Research Center - Mechanisms of viral persistence (rats)
 P02CA-11067-05 0014 Clinical cancer research center - Pharmacologic inhibition of transcriptase activity, oncogenesis of RNA tumor vir
 P01CA-11405-06 0001 Core program on etiology of cancer - Purification of MTV and characterization
 ** P01CA-11405-06 0017 Core program on etiology of cancer - Induction of RNA tumor viruses by nucleic acid analogs (human, mammals)
 P01CA-12174-04 0009 Growth and cell control processes - Induction of leukemia virus by BUdR (mice)
 R01CA-12323-04 Biochemistry of RNA tumor virus replication
 R01CA-12741-03 Effect of virus-induced transformation on tRNA (mice, virus)
 ** R01CA-12895-01 Molecular mechanisms in neoplasia (chickens)
 P01CA-13330-03 0042 Cancer research program - Avian myeloblastosis reverse transcriptase (mice, human)
 ** P01CA-13330-03 0050 Cancer research program - Molecular biology of cell transformation and tumor viruses (human, mice)
 ** P01CA-13330-03 0053 Cancer research program - Interaction of a picorna virus with cultured lymphocytes (human)
 ** P01CA-14051-02 0001 Center for cancer biology at MIT - Cancer virology (monkeys)
 ** P01CA-14097-02 0002 Cancer research program-Viruses; control mechanisms - Structure and function of small RNA-containing viruses
 ** P01CA-14097-02 0004 Cancer research program-Viruses; control mechanisms - Ultrastructure of viruses, nucleic acids, enzymes
 ** P01CA-14097-02 0005 Cancer research program-Viruses; control mechanisms - Structure and replication of cytidical and RNA tumor viruses
 P01CA-14193-02 0001 Comparative leukemia studies unit - Morphological and antigenic characteristics of BLV (mammals, tissue culture)
 P01CA-14599-01 0009 University of Chicago Cancer Research Center - DNA replication in normal and transformed cells (mice, Drosophila)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- PO1CA-14801-02 0001 Chemotherapy and regulation of oncogenic viruses - Development of selective viral inhibitors (human)
- PO1CA-14801-02 0002 Chemotherapy and regulation of oncogenic viruses - Novel nucleoside analogs as antiviral compounds
- PO1CA-14801-02 0006 Chemotherapy and regulation of oncogenic viruses - Control of oncornavirus expression (human, mice)
- ** PO1CA-14801-02 0009 Chemotherapy and regulation of oncogenic viruses - Sequences in nucleic acids of RNA tumor viruses
- ** PO1CA-14801-02 0010 Chemotherapy and regulation of oncogenic viruses - Cellular control of production of RNA tumor viruses
- R26CA-14926-02 Ultrastructure of normal and neoplastic urothelium (human)
- R26CA-14930-02 RNA in normal and neoplastic urothelial cells (human)
- RO1CA-14936-02 Role of host cells in virus induced tumors (chickens)
- ** RO1CA-15071-01 Translation products of the RNA tumor virus genome
- ** RO1CA-15166-01 Small RNAs of RNA tumor virus
- ** R26CA-15292-02 Function of oncogenic viruses in bladder cancer (human, cats, mice)
- ** R26CA-15417-02 Viruses and virus-like particles in prostatic tumors (human)
- R26CA-15438-02 Oncogenic viruses in human prostate cancer
- ** RO1CA-15494-02 Tolerance and immunity to avian RNA tumor viruses and VISA
- ** R26CA-15502-01 Virology in prostatic tissue and fluids (human)
- ** RO1CA-15512-01 RNA tumor virus structure and biogenesis
- ** R26CA-15551-01 Virology and immunology of cancer of the human urothelium
- ** RO1CA-15747-01 Cellular RNA metabolism of RNA tumor viruses
- PO1CA-16239-01 0003 Biosynthesis in normal and virus-transformed cells - Translational control in oncogenesis
- RO1CA-16252-01 Genetic and biochemical studies of MLV and MSV (mice)
- NO1CM-12275-03 Studies on reverse transcriptase in RNA tumor viruses
- NO1CM-22062-05 Procurement of embryonic cell lines with variable growth rates (mice, rats)
- ** NO1CP-02024-11 Study on oncogenic potential of defective viruses (human, mice, hamsters)
- NO1CP-23234-02 Development of a tissue culture transformation system (rats)
- ** NO1CP-33211-02 Molecular events in transformation by RNA oncogenic viruses (human, animals)
- NO1CP-33212-04 Viruses and experimental oncogenesis and human cancer (animals)
- ** NO1CP-33237-02 Cell culture laboratory and associated research in viral oncology
- ** NO1CP-33255-02 Natural occurrence of RNA tumor viruses-genomes (mice)
- ** NO1CP-33258-02 Replication of oncogenic RNA viruses and relation to human cancer
- ** NO1CP-33308-02 Expression of the RNA tumor virus genome in malignant cells (human, mammals)
- NO1CP-33316-01 Herpes-type virus in etiology of human cancer
- NO1CP-33332-01 Hormonal control of gene expression (mammals nonhuman)
- NO1CP-43240-00 Roles of viruses and chemical in the etiology of cancer
- NO1CP-43242-00 Conditioned lethal mutant of RNA tumor viruses
- NO1CP-43243-00 Interactions between RNA tumor viruses and other viral agents
- ** NO1CP-43254-00 Type C RNA tumor viruses (animals)
- NO1CP-43299-00 Cells transformed by DNA and RNA tumor viruses
- NO1CP-43328-00 Release of RNA tumor virus and its genetic control
- ** NO1CP-43333-00 Immunological assay for DNA and RNA virus
- NO1CP-43359-01 Study of oncogenesis
- ** NO1CP-43365-00 RNA tumor virus transformation of skin fibroblast cells
- ** NO1CP-43381-00 Isolation of human xenotropic viruses (tissue culture)
- NO1CP-50053-18 Human breast cancer studies
- PIOES-00002-12 0016 Occupational and environmental health - Structure and function of DNA in radiation response (human)
- PIOES-00210-07 0019 Center for environmental management - Environmental chemicals and tumor virus expression-induction (rabbits)
- ** PO1GM-11301-12 0003 Structure, function and biosynthesis of macromolecules - RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human)
- RO1GM-19194-03 Regulation of gene replication and gene multiplicity (*Drosophila*)
- PO1GM-19443-03 0043 Problems in clinical genetics - Oncogenic human viruses

- RO1GM-21024-01 Qbeta replicase and protein synthesis T-factor
- VIRUSES, SIMIAN VIRUSES**
SEE ALSO VIRUSES, MYXOVIRUSES, RESPIRATORY SYNCYTIAL VIRUSES
SEE ALSO VIRUSES, MYXOVIRUSES, SIMIAN
SEE ALSO VIRUSES, PAPOVAVIRUSES, SV40 VIRUS
- RO1AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)
- ** RO1AI-08648-06 Pathogenesis and epidemiology of simian viruses (primates)
- RO1CA-06145-13 0006 Chemotherapy of intracranial neoplasms - Transplantation of brain tumor cells (mice, hamsters)
- PO1CA-11405-06 0005 Core program on etiology of cancer - Immunology of MTV infection in various inbred mouse strains
- PO1CA-11405-06 0007 Core program on etiology of cancer - Morphogenesis of Simian mammary tumor virus (also human)
- RO1CA-11948-03 The relation of tRNA to oncogenesis
- NO1CP-33242-02 Comparative leukemia and sarcoma virus studies (human, monkeys, gibbons)
- ** NO1CP-60902-11 Produce simian foamy virus reagents and antisera
- ** PO6RR-00361-08 Reference center for study of primate viruses
- VIRUSES, TOGAVIRUSES**
SEE ALSO VIRUSES, ARBOVIRUSES A
SEE ALSO VIRUSES, ARBOVIRUSES B
- ** R22AI-05920-12 Togavirus replication in insect and vertebrate cells
- VIRUSES, TOGAVIRUSES, RUBEY VIRUS**
PO1AI-07007-09 0016 Immunopathologic studies - Autoimmune manifestations (NZ mice, human)
- ** RO1AI-09476-06 Slow virus infections-Immunologic and viral studies (mink, mice)
- RO1AI-11714-01 Virus-antibody complexes and chromatography (mice)
- ** RO1AI-12242-01 Replication and host range specificity of LD virus (mice)
- ** RO1CA-12188-03 Mechanisms of enhanced asparaginase therapy
- ** RO1CA-12188-03 0001 Mechanisms of enhanced asparaginase therapy - Impairment of host exogenous enzymes removal from blood by LDH-virus (mice)
- ** RO1CA-12188-03 0002 Mechanisms of enhanced asparaginase therapy - LDH virus impairment of antibody response to asparaginase
- RO1CA-12188-03 0003 Mechanisms of enhanced asparaginase therapy - Significance of concomitant glutamine depletion in asparaginase tumor therapy
- RO1CA-12188-03 0004 Mechanisms of enhanced asparaginase therapy - Alterations of free amino acids during EC-2 L-asparaginase therapy
- ** RO1CA-12188-03 0005 Mechanisms of enhanced asparaginase therapy - Enhancement of asparaginase tumor therapy by LDH-virus
- RO1CA-12188-03 0006 Mechanisms of enhanced asparaginase therapy - New enzymes with antitumor potentials
- VIRUSES, TOGAVIRUSES, RUBELLA VIRUS**
SEE ALSO VIRUS DISEASES, TOGAVIRUSES, RUBELLA
- RO1AI-01475-17 Immunology and epidemiology of certain viral diseases (human)
- RO1AI-01992-17 Viral cytopathogenicity-Mechanisms and applications (human, hamsters)
- RO1AI-08200-07 Electron microscopic studies of selected viral agents (hamsters)
- ** RO1AI-11255-01 Characterization of the rubella virus proteins (rabbits)
- ** RO1AI-11788-04 Responses to rubella virion and subunit vaccines (human, monkeys, rabbits)
- RO1AM-06450-12 Mycoplasma, L forms and viruses in rheumatic diseases (human)
- RO1CA-12952-03 E-B and other viruses in cancer
- ** PO2CA-13148-03 0021 Pilot cancer center - Possible role of coinfection in cancer production
- PO1CA-15655-01 0006 Cancer center support grant - Relationship between frequency of antibody and cancer (human)
- ** RO1HD-00737-10 Clinical and laboratory studies on rubella (human, ferrets, gerbils)
- RO1HD-01687-09 Pathogenesis of infection in human maldevelopment
- ** PO1HD-01799-09 0010 Mental retardation research center - Optic lens development (mammals)
- RO1HD-04110-04 Virus induced disorders of growth and development (mice)
- PO1HD-06321-02 0005 Genetic aspects of human fetal development - Characterization of the immune system in the developing fetus (human)
- ** PO1HL-05435-14 0002 Cardiovascular research and training program - Virology (human)
- ** NO1NS-32315-01 Infections in pregnancy (human)

- VIRUSES, TRANSMISSIBLE GASTROENTERITIS VIRUS OF SWINE**
NO1AI-02132-06 Interferon, interferon inducers and antiviral substances (swine)
- ** RO1AI-10735-02 Immunity against enteric viral infections (swine, rabbits)
- VIRUSES OF INSECTS**
** RO1AI-08836-06 An undescribed variola-like virus pathogenic to insects (mice, guinea pigs)
- ** RO1AI-09765-05 Mechanism of infection of insect viruses (lepidopteral)
- ** RO1AI-09972-04 Viral pathogens (mosquitoes)
- RO1GM-19331-01 Chromosome and gene activity in Sciardae (gnats)
- VIRUSES OF INSECTS, POLYHEDRAL VIRUS**
RO1AI-00634-21 Chemistry of virus mutation
- NO1CP-43212-00 Structure and replication of murine and avian tumor viruses
- VIRUSES OF INSECTS, SIGMA FACTOR**
RO1CA-12627-05 Polynucleotides and nucleic acids (bacteria)
- RO1GM-20283-02 Regulation of mitochondrial RNA polymerase (rats, bacteria)
- VIRUSES OF PLANTS**
RO1AI-07255-08 Propagative circulative virus transmission by insects
- RO1AI-11572-02 Infective role of amino acid binding by viral RNA
- PO1CA-14097-02 0003 Cancer research program-Viruses; control mechanisms - Chemistry and biology of plant virus replication and mutation
- VIRUSES OF PLANTS, SATELLITE TOBACCO NECROSIS VIRUS**
** RO1GM-08647-13 Mechanism of messenger-RNA translation (microorganisms)
- VIRUSES OF PLANTS, TOBACCO MOSAIC VIRUS**
** RO1AI-00536-21 Reproduction and mutation of tobacco mosaic virus
- RO1AI-00634-21 Chemistry of virus mutation
- ** RO1AI-11573-02 Biophysical studies of virus assembly
- PO1CA-06927-12 0017 Biological and biochemical program in cancer research - Growth and differentiation of plant systems
- ** PO1GM-10403-12 0001 Biophysical studies on viral structure and function - Polymerization of TMV protein
- ** PO1GM-10403-12 0005 Biophysical studies on viral structure and function - Effects of calcium ions on polymerization of TMVP
- ** PO1GM-10403-12 0006 Biophysical studies on viral structure and function - TMV and TMV RNA
- ** PO1GM-10403-12 0008 Biophysical studies on viral structure and function - Reaction of carbodiimide with TMV RNA
- ** PO1GM-10403-12 0011 Biophysical studies on viral structure and function - Ion etching of TMV
- VIRUSES OF PLANTS, WOUND TUMOR VIRUS**
RO1AI-00634-21 Chemistry of virus mutation
- NO1CP-43212-00 Structure and replication of murine and avian tumor viruses
- VISCERA**
SEE BODY CAVITIES, VISCERA
- VISCERAL AFFERENT NERVES**
SEE NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES
- VISCOSITY-VISCOELASTICITY**
SEE PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY
- VISCOSITY-VISCOELASTICITY, BLOOD**
SEE BLOOD VISCOSITY-VISCOELASTICITY
- VISCOSITY-VISCOELASTICITY, BODY FLUID**
SEE BODY FLUID VISCOSITY-VISCOELASTICITY
- VISION**
SEE EYE, VISION
- VISION DISORDERS**
SEE EYE DISORDERS, VISION DISORDERS
- VISION DISORDERS CONGENITAL**
SEE CONGENITAL ABNORMALITIES, EYE-VISION
- VISION RESEARCH PROGRAM COMMITTEE**
** PO1EY-00208-14 Corneal physiology and pathology (rabbits, human)
- M PO1EY-00338-09 A study of macular disease
- M PO1EY-00396-07 Basic ophthalmic research program
- ** PO1EY-00494-05 Clinical electrophysiologic studies of ocular disease (human)
- M PO1EY-00785-03 Vision research center
- M PO1EY-01186-02 The visual science research center grant
- M PO1EY-01319-01 Visual science research center support
- VISION TESTS**
SEE EYE EXAMINATIONS, VISION TESTS*

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- VISNA**
SEE NERVOUS DISORDERS CENTRAL, ENCEPHALOPATHY SPONGIFORM, VISNA
- VISUAL ADAPTATION, RETINAL**
SEE EYE, VISION, RETINAL ADAPTATION (GENERAL)
- VISUAL AIDS**
SEE EDUCATION, AUDIOVISUAL AND OTHER TRAINING AIDS
- VISUAL CORTEX**
SEE BRAIN, VISUAL CORTEX
- VISUAL FEEDBACK**
SEE EYE, VISUAL FEEDBACK
- VISUAL FIELDS**
SEE EYE, VISUAL FIELDS
- VISUAL FIXATION**
SEE EYE, VISUAL FIXATION
- VISUAL PATHWAYS**
SEE BRAIN, VISUAL PATHWAYS
- VISUAL PERCEPTION**
SEE EYE, VISUAL PERCEPTION
- VISUAL PIGMENTS**
SEE EYE, VISUAL PIGMENTS
- VISUAL SCIENCES STUDY SECTION**
- ** ROIAM-17538-10 Mucopolysaccharide metabolism in exophthalmos (human)
- ROICA-12523-03 Detection and treatment of model choroidal melanoma (humans, rabbits)
- ROICA-13603-03 Clinicopathologic study of ocular and orbital cancer (human)
- ** ROIEY-00002-23 Pressure-regulating mechanisms in glaucoma (humans)
- ** ROIEY-00004-20 Aqueous humor (human, rabbits)
- ** ROIEY-00005-19 Physiological optics (human)
- ** ROIEY-00007-13 Ocular herpes simplex (human, rabbits, monkeys)
- ** ROIEY-00008-13 Analysis of flicker retinal action potentials (spiders, crabs)
- ** ROIEY-00009-11 Comparative physiological studies of vertebrate eyes (fish, amphibian)
- ROIEY-00010-11 Effect of blood and pressure on cultured ocular tissue (human, animals)
- ROIEY-00012-11 Microphotometric studies on retinal rods and cones (birds)
- ** ROIEY-00013-08 Experimental optic neuropathies (rats)
- ** ROIEY-00014-06 Electrophysiology of color vision (primates)
- ** ROIEY-00015-10 Cytology, pathophysiology of aqueous pathways of eye (rabbits, primates)
- ROIEY-00017-08 Electric sign of single photoreceptors (fish, lizards, turtles)
- ** ROIEY-00024-06 Response of ocular pressure to corticosteroids (human)
- ** ROIEY-00031-05 Experimental pathology of the optic nerve (monkeys)
- ** ROIEY-00032-04 Subunit interaction of lens proteins (cattle)
- ** ROIEY-00033-05 Sensory excitation, information flow in the retina (amphibians, reptiles, flies)
- ROIEY-00046-05 Biosynthesis of visual pigment rhodopsin (rats, frogs)
- ** ROIEY-00048-05 Corneal metabolism (calves, rabbits)
- ROIEY-00056-05 Pathogenesis of altered ocular vascular permeability (rabbits)
- ** ROIEY-00088-11 Effects of brain lesions on brightness discrimination (cats)
- ** ROIEY-00089-10 Structure and function of eyes (human, frogs)
- ROIEY-00091-08 Neuromuscular effects of anesthetic agents (cats)
- ** ROIEY-00093-08 Experimental fluorescein angiography (monkeys)
- ** ROIEY-00095-13 Histophysical and histochemical studies on the eye (frogs)
- ROIEY-00097-12 Development and organization of visual pathways (rabbits)
- ** ROIEY-00100-16 Comparative studies of the vertebrate retina (animals)
- ** ROIEY-00108-05 Histopathologic study of pigmented ocular tumors (human, dogs, cats)
- ** ROIEY-00119-04 Lacrimal gland factors influencing secretion (human, rabbits)
- ** ROIEY-00121-07 Visual and auditory feedback in amblyopia ex anopsia (human)
- ** ROIEY-00123-05 Uveal blood flow and metabolism studies in vivo (human, dogs)
- ** ROIEY-00125-05 Superior colliculus and the control of eye movements (monkeys, cats)
- ** ROIEY-00126-05 Neuropsychological studies of the visual system (hamsters)
- ** ROIEY-00131-04 Relation of transport to metabolism of glutathione (rats)
- ** ROIEY-00133-05 Electron microscopy in ocular pathology (human)
- ** ROIEY-00145-05 Pathogenic mechanisms of chronic eye disease (human)
- ** ROIEY-00146-03 Diseases of the cornea (human, hamsters)
- ** ROIEY-00148-04 Interaction between receptor classes in retina (human)
- ** ROIEY-00154-04 Organization of the vertebrate visual system
- ** ROIEY-00160-05 Electrolyte and fluid transport in ocular membranes (amphibia, fish, rabbits)
- ** ROIEY-00168-05 Visual mechanisms in lower vertebrates (fish, anurans)
- ** ROIEY-00169-04 Electrophysiological studies of retinal degenerations (human, cats, rats)
- ** ROIEY-00170-05 Metabolism of the normal and abnormal ocular lens (rats, rabbits, mice)
- ** ROIEY-00184-21 Functional development of eye (human, monkey, rabbits)
- ** ROIEY-00186-20 Viral keratoconjunctivitis and related disorders (human)
- ROIEY-00187-20 Psychophysiological and optical studies of vision (human, monkeys)
- ** ROIEY-00188-19 Electrical activity, single receptors, neurons of eye (cats, limulus)
- ** ROIEY-00189-19 Immunological observations on ocular lens in cataract (rats)
- ROIEY-00190-18 Electron microscopy of the eye (human, animals)
- ** ROIEY-00195-17 Response of corneal stroma to injections of proteins (rabbits)
- ** ROIEY-00196-17 Lens and neural retinal development and regeneration (frogs)
- ** ROIEY-00201-13 Photochemistry of visual pigments (anurans, chickens, cattle)
- ** ROIEY-00204-15 Etiology of reduced visual function (human, animals)
- ** ROIEY-00205-15 Retina and retinal vessels (human, dogs, cats)
- ** ROIEY-00206-13 Retinal ganglion cell responses to time varying stimuli (cats)
- ** ROIEY-00207-15 Physiology and pharmacology of aqueous humor flow (human)
- ** ROIEY-00210-14 Physiologic studies of the living cornea in vitro (human, rabbits)
- ** ROIEY-00212-15 Experimental and clinical visual electroretinography (human, monkeys)
- ** ROIEY-00213-15 ERG and psychophysical studies in retinal disorders (human)
- ROIEY-00215-14 Neuropathology and clinical ophthalmological diagnosis (human)
- ** ROIEY-00217-14 Ocular hypersensitivity (rabbits)
- ** ROIEY-00220-13 Retinal and central visual function (human)
- ** ROIEY-00223-13 The physiology and pathology of the vitreous (monkey)
- ** ROIEY-00224-13 Study of eye physiology and disease by ultrasound (human, rabbits)
- ** ROIEY-00231-10 Comparative study of glaucoma (human, monkeys)
- ** ROIEY-00236-13 Visual coupling reactions (Limulus)
- ROIEY-00237-13 Physiologic studies of intraocular pressure (rabbits)
- ** ROIEY-00238-13 Reaction of corneal cells to injury (rabbits)
- ** ROIEY-00239-14 Biochemical studies of lens cataract formation (human, animals)
- ROIEY-00243-11 Metabolic systems in aqueous humor dynamics (cats, rabbits)
- ** ROIEY-00250-11 Diabetic retinopathy (human, dogs)
- ** ROIEY-00256-11 Factors affecting intraocular pressure (human)
- ** ROIEY-00258-11 Cytology and physiology of the retina (animals)
- ** ROIEY-00260-11 Lens metabolism in normal and pre-cataractous state (mice, gerbils)
- ** ROIEY-00266-11 Corneal preservation and keratoplasty (human, rabbits, guinea pigs)
- ** ROIEY-00268-11 Transport processes in ocular tissues (cattle, rabbits)
- ** ROIEY-00279-11 Pathogenesis of a uveitis (mice)
- ** ROIEY-00281-10 Wound healing in lens epithelium (frogs)
- ROIEY-00284-09 Growth environmental refractive changes (human, primates)
- ** ROIEY-00285-10 Visual adaptation in the vertebrate retina (fish)
- ** ROIEY-00293-09 Integrative mechanism of neurons (crayfish)
- ** ROIEY-00297-10 Vulnerability of the retina to light and other agents (rats, rabbits)
- ** ROIEY-00300-09 Diabetic retinopathy (monkeys, dogs)
- ** ROIEY-00308-08 Visual processes with a motionless retinal image (human, cat)
- ** ROIEY-00309-09 Fine structure of normal and pathologic ocular muscle (rabbits, monkeys, rats)
- ** ROIEY-00313-07 Chemistry and physiological role of ocular enzymes (rabbits)
- ** ROIEY-00318-06 Lasers in ophthalmic diseases (human, monkeys)
- ** ROIEY-00321-09 Movement and contour processes in human vision
- ** ROIEY-00323-09 Environmental light and visual pigments (fish)
- ** ROIEY-00324-09 Genetics of visual pigments (fish)
- ** ROIEY-00325-09 Stimulus variables in monocular fixation (human, primate)
- ** ROIEY-00327-09 Synthetic hydrophilic polymers for eye surgery (rabbits, cattle)
- ** ROIEY-00330-08 Ocular pharmacology (human, animals)
- ** ROIEY-00333-08 Ocular fluid composition and ocular tissue physiology (animals)
- ** ROIEY-00348-08 Chemistry of cell surface membranes of lens fibers (rats, rabbits, cattle)
- ** ROIEY-00355-07 Behavioral visual function (turtles, pigeons)
- ** ROIEY-00360-08 Spatial integration in human vision
- ** ROIEY-00362-07 Control of cell division in the ocular lens (rabbits)
- ** ROIEY-00374-07 Biochemical control in normal and diseased retina (chickens, cattle)
- ** ROIEY-00375-06 Eye movements and visual direction (human)
- ** ROIEY-00376-07 Effect of visual deprivation on vision (rats, cats)
- ** ROIEY-00378-07 Morphological and histochemical studies of the lens (rats)
- ROIEY-00379-06 Functional organization of the retina (rats, skate)
- ** ROIEY-00381-07 Excitability of visual pathways (humans, monkeys)
- ** ROIEY-00392-07 Functional morphology of the limulus visual system
- ** ROIEY-00393-07 Glycolipid and glycoprotein metabolism in eye tissue (animals)
- ROIEY-00395-06 Maturation of metabolism in normal and dystrophic retina (mice)
- ** ROIEY-00402-07 Control of tissue-sensitivity to autonomic agents (rats, hamsters)
- ** ROIEY-00405-07 Sensory mechanisms in visual orientation (fish, crustaceans, insects)
- ** ROIEY-00412-05 Clinical ERG with photopic patterned stimuli (human, rabbits)
- ** ROIEY-00413-06 Related molecular and physiological events in vision (Drosophila)
- ** ROIEY-00415-06 Ultramicroscopic changes in corneal graft reaction (human)
- ** ROIEY-00418-06 Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits)
- ROIEY-00422-06 Fluorescent derivatives of tyrosine in cataract lens (human, rabbits)
- ** ROIEY-00423-06 Studies upon the ocular lens (human, calves)
- ** ROIEY-00424-06 Pneumococcal enzymes and corneal ulcers (rabbits)
- ** ROIEY-00427-05 Analysis of problems in ocular inflammatory disease (human, rabbits)
- ** ROIEY-00429-06 Proteolysis in normal and senile cataract lens (human)
- ** ROIEY-00431-06 Control of corneal hydration (rabbits, human)
- ** ROIEY-00435-06 Molecular basis of photoreceptor activity (Limulus)
- ROIEY-00444-06 Electron microscope autoradiography of ocular tissues (animals)
- ** ROIEY-00445-06 Ocular immunology (human)
- ** ROIEY-00456-06 Fluid and electrolyte transport in the cornea (frogs)
- ** ROIEY-00457-06 Ocular effects of prostaglandins (rats)
- ** ROIEY-00459-05 Near ultraviolet light effects on ocular tissues (human, animals)
- ** ROIEY-00460-06 Vision and intraretinal potentials (frogs, neoturus)
- ** ROIEY-00461-06 Photo- and biochemical reactions in the visual system (fish)
- ** ROIEY-00463-06 Molecular biology of visual receptor outer segments (frogs)
- ** ROIEY-00468-15 Neurophysiology of the vertebrate retina (frogs, turtle)
- ** ROIEY-00475-08 Studies on the nutrition of the eye (primates)
- ROIEY-00476-08 Regulation of the intraocular pressure (human, monkeys)
- ROIEY-00479-07 Photochemical aspects of visual processes (rats, frogs)
- ** ROIEY-00483-07 Intraocular fluid dynamics (rabbits)
- ** ROIEY-00484-07 Intraocular transport (rabbits, rats, sheep)
- ** ROIEY-00495-06 Photobiology and vision (fish, birds)
- ** ROIEY-00506-06 Ion movement and distribution in the crystalline lens (rabbits, frogs)
- ** ROIEY-00508-05 Chemistry and physiology of visual excitation (human, animals)
- ** ROIEY-00515-06 Vitamin A and protein synthesis in cornea (rats)
- ** ROIEY-00519-05 Normal and diseased extraocular muscle (human, primates)
- ** ROIEY-00520-05 Visual excitation—Role of visual pigment (rats, frogs)
- ** ROIEY-00530-12 A study of structure and function of retinal neurons (monkeys, cat)
- ** ROIEY-00533-07 Studies of the macula lutea in the aged eye (human)
- ** ROIEY-00538-05 Ultrastructural study of ocular vascular permeability (monkeys)
- ** ROIEY-00539-04 Spatial interactions in human vision (contd)

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- ** RO1EY-00541-05 Control of corneal hydration and transparency (rabbits, sheep)
- ** RO1EY-00544-05 Studies in corneal transplantation (human, rabbits)
- ** RO1EY-00545-04 Cytology of retinal differentiation (chickens, mice, amphibians)
- ** RO1EY-00555-04 Cataract and lens deterioration due to maturation (amphibians)
- ** RO1EY-00561-05 Intracellular studies of retina function (Necturus)
- RO1EY-00568-06 Neurophysiology of all-cone vision (monkeys, cats)
- ** RO1EY-00577-10 Visual behavior—Anatomical and functional basis (cats)
- ** RO1EY-00589-07 Stimulus alternation and visual potentials (human)
- ** RO1EY-00592-06 Oculomotor control (monkeys)
- ** RO1EY-00596-06 Development and plasticity of visual connections (rats, monkeys, frogs)
- ** RO1EY-00597-05 Spatial selectivity in non-striate visual cortices (primates, cats)
- ** RO1EY-00598-06 Oculomotor control system (primates, cats)
- RO1EY-00599-05 Morphological studies of the visual system (animals)
- RO1EY-00605-15 Organization of visual system (cats, monkeys)
- ** RO1EY-00606-10 Visual system (cats, monkeys)
- ** RO1EY-00607-09 Visual and non-visual cortical efferents (rabbits)
- ** RO1EY-00613-04 Retinal pathology and circulation (human, rats)
- RO1EY-00616-03 Diagnosis and etiology of intra-ocular tumor (human, rabbits)
- ** RO1EY-00621-04 Functional organization of the visual system (mice)
- ** RO1EY-00624-04 Experimental analysis of retinal development (amphibians)
- ** RO1EY-00625-03 Electron microscopy of stored and preserved corneas (human, rabbits)
- ** RO1EY-00631-04 Nutritional retinal degeneration in cats
- ** RO1EY-00634-04 Pathology of the blood-aqueous barrier (monkeys)
- ** RO1EY-00667-04 Functional organization of the visual system (horseshoe crabs)
- RO1EY-00669-03 Experimental allergic uveitis and autoimmune disease (guinea pigs)
- ** RO1EY-00675-04 Biochemistry of visual cell renewal and visual cycle (rats)
- ** RO1EY-00676-04 Interaction between eye movement and vision (monkeys)
- ** RO1EY-00677-03 Prevention of visual loss in glaucoma patients (human)
- ** RO1EY-00681-04 Fine structure of oxygen elevating tissues of eye (fish)
- ** RO1EY-00683-04 Cytology, cytochemistry and synapses of dog retina
- ** RO1EY-00684-04 Transmission of signals through human retina
- ** RO1EY-00692-04 Comparative study of glaucoma (monkeys, cats)
- ** RO1EY-00698-04 Etiology of cataract (frogs, mice)
- RO1EY-00699-04 Intermediary metabolism of the cornea (rabbits)
- ** RO1EY-00701-02 Single cell studies in optic tract (cats)
- ** RO1EY-00703-04 Biochemical studies in normal and cataractous lenses (human, rabbits)
- ** RO1EY-00704-04 Biochemical and biophysical investigation of rhodopsin
- ** RO1EY-00715-04 Synthesis and phagocytosis in ocular neuropathelia (human, cattle)
- ** RO1EY-00718-04 Ocular carbonic anhydrase (toads, rabbits)
- RO1EY-00725-03 Proliferative vitreoretinopathy ultrastructure (human, guinea pigs)
- ** RO1EY-00727-04 Corneal transparency and active transport mechanisms (rabbits)
- ** RO1EY-00742-03 Studies of binocular vision (human, cats)
- ** RO1EY-00744-03 Human visual responses in retina and cortex
- ** RO1EY-00745-03 Neurophysiological studies of the oculomotor system (monkeys)
- ** RO1EY-00752-03 Stereopsis and microtropia in amblyopia pathogenesis (human)
- ** RO1EY-00753-02 Biochemical cytology of metabolic eye diseases (rats)
- ** RO1EY-00759-03 Aging and the ocular lens (cattle)
- ** RO1EY-00762-03 Transduction mechanism of photoreceptors (barnacles)
- ** RO1EY-00764-03 Transduction and neural mechanisms in the retina (horseshoe crabs)
- ** RO1EY-00771-03 Neurophysiology of optokinetic nystagmus (rabbits)
- ** RO1EY-00772-03 Histochemistry of corneal disease in tissue culture
- ** RO1EY-00773-03 Ocular Herpes simplex keratitis (rabbits)
- ** RO1EY-00776-03 Melanotic differentiation of eye pigment epithelium (chick embryo)
- ** RO1EY-00777-03 Neural interactions of the retina (dragonflies)
- ** RO1EY-00784-03 Cellular basis of visual integration (arthropods, crustaceans)
- M RO1EY-00785-03 Vision research center
- ** RO1EY-00788-02 Duplicity theory and the Stiles-Crawford effect (human)
- ** RO1EY-00789-03 Eye development (fish)
- ** RO1EY-00790-03 Pathology of retinal dysfunction (human, monkeys)
- RO1EY-00791-03 Development of system to study ocular vascular dynamics (human)
- ** RO1EY-00792-03 Factors affecting optic papilla oxygenation (cats, primates)
- ** RO1EY-00794-01 Thrombolytic therapy in retinal vascular occlusion (human)
- ** RO1EY-00797-03 Physical and chemical basis of lens opacity (mice)
- ** RO1EY-00799-03 Ocular dystrophies and extraocular muscles (human, cats)
- ** RO1EY-00800-03 Photopic and scotopic vision of strabismic amblyopia (human)
- ** RO1EY-00810-01 Role of hyalocytes in the vitreous (cattle)
- ** RO1EY-00812-10 Prevention of trachoma and infectious diseases (human, guinea pigs, monkeys)
- ** RO1EY-00824-04 Structure and function of vertebrate visual systems (animals)
- ** RO1EY-00827-01 Neovascular macular disease—Pathogenesis and therapy (human)
- ** RO1EY-00828-03 Anatomy and physiology of visuomotor systems (cats, fish)
- ** RO1EY-00834-03 Visual receptor potentials (Nimulus)
- ** RO1EY-00835-03 Anatomy and physiology of vision (arthropods)
- ** RO1EY-00840-03 Loss of vision due to corneal inflammation (human)
- RO1EY-00841-03 Vitrectomy through the pars plana (human)
- ** RO1EY-00844-03 Glial contributions to retinal function (amphibians, rabbits)
- ** RO1EY-00847-03 Cyclic nucleotides in visual transduction (crayfish)
- ** RO1EY-00848-03 Motorneuron and motor unit control of eye movements (monkeys, cats)
- ** RO1EY-00858-01 Herpes simplex of the eye—Pathogenesis and treatment (human, rabbits)
- ** RO1EY-00863-03 Neurohumoral control of intraocular pressure (rabbits)
- ** RO1EY-00871-03 Retina—The metabolism of polyunsaturated fatty acids (rats)
- ** RO1EY-00873-01 Role of cyclic AMP in lens maturation and disease (human, calves and rats)
- ** RO1EY-00874-03 Studies of ophthalmic diseases (dogs, primates, deer)
- ** RO1EY-00885-02 Correlation analysis of eye motion, ERG and VER (human)
- ** RO1EY-00886-01 Laser glaucoma surgery (human, animals)
- ** RO1EY-00887-03 Pathogenesis of lens-induced uveitis (human, mice)
- ** RO1EY-00886-03 The developing and adult visual system (human, animals)
- ** RO1EY-00891-03 Treatment of intraocular tumors (human, cattle)
- RO1EY-00892-02 Dynamic fracture studies of ophthalmic lenses
- ** RO1EY-00896-03 Mathematical analysis of the optic nerve head (human)
- ** RO1EY-00898-03 Function of neuron networks in vertebrate visual system (catfish)
- ** RO1EY-00901-01 Psychophysical studies of color-defective observers (human)
- ** RO1EY-00902-10 Experimental cataracts (rats)
- ** RO1EY-00906-03 Integration in the visual system (Decapods)
- ** RO1EY-00907-01 Correlates of binocular visual stimulation (cats)
- ** RO1EY-00909-03 Anatomical correlates of subcortical visual function (animals)
- ** RO1EY-00915-03 Transport processes across the corneal epithelium (human, monkey, rabbits)
- ** RO1EY-00917-03 An avian model for the comparative study of cataracts (quail)
- ** RO1EY-00918-02 New geometric isomers of vitamin A and carotene
- ** RO1EY-00926-01 ERG and VECF as indices of photopic dysfunction (human)
- ** RO1EY-00927-03 Properties of the cortico-geniculate projection (monkeys)
- ** RO1EY-00929-03 Neural organization of the visual system (squirrels, shrews, cats)
- ** RO1EY-00933-02 Pathogenesis of corneal edema after cataract surgery (human, monkeys, rabbits)
- ** RO1EY-00936-01 Changes in the optic disc in patients with glaucoma
- ** RO1EY-00943-03 The role of calcium in visual excitation (cattle)
- ** RO1EY-00944-03 An experimental approach to maculopathy (primates)
- ** RO1EY-00945-03 Biochemical regulation in ocular tissues (rabbits)
- RO1EY-00953-03 Selective mechanisms in vision (human, cats)
- ** RO1EY-00962-02 Abnormalities in visual pathways (cats, rabbits, mink)
- ** RO1EY-00964-01 Recurrent herpes simplex uveitis (rabbits, guinea pigs)
- ** RO1EY-00966-02 Corneal effects of flexible contact lenses (human)
- ** RO1EY-00969-02 Covalent control of cornea-damaging collagenase (frogs, bacteria)
- ** RO1EY-00976-02 Clinico-genetic studies of Best's macular dystrophy (human)
- ** RO1EY-00988-02 Studies of the break up of the tear film (human)
- ** RO1EY-00998-02 Receptive field organization in visual system (cats)
- ** RO1EY-00999-01 Ophthalmic instrumentation research (human)
- ** RO1EY-01002-02 Development and growth of the lens (mice, chickens)
- ** RO1EY-01007-01 The eye in malignant hypertension (human, monkeys)
- ** RO1EY-01008-02 Studies of retinal ischemia (human, monkeys)
- ** RO1EY-01012-02 Physiology of larval mosquito photoreceptors
- ** RO1EY-01018-02 Structure and development of the visual system (mice, human)
- ** RO1EY-01019-02 Light scattering and ultrastructural studies of the cornea (rabbits)
- ** RO1EY-01030-01 Chemistry and biology of vitreous structural proteins (human, cow, rabbit)
- ** RO1EY-01031-01 Experimental study of visual accommodation
- ** RO1EY-01047-01 A new laser-based surgical procedure for treatment of glaucoma (monkeys, human)
- ** RO1EY-01049-02 Eye-position information processed in frontal cortex (monkeys)
- ** RO1EY-01051-01 Neuronal basis of visual perception in eye movements (primates)
- ** RO1EY-01055-02 Functional aspects of Panum's fusional areas (human)
- ** RO1EY-01063-02 Correlation of structure and function in retina (dogfish)
- ** RO1EY-01065-01 Biochemical investigation of a hereditary cataract (rats)
- ** RO1EY-01067-02 Surface chemistry of the cornea (human, rabbits, cattle)
- ** RO1EY-01070-01 Conformational aspects of visual excitation (mammals)
- ** RO1EY-01071-02 Visual restoration (salamanders)
- RO1EY-01074-02 Eye movement—Physiological organization (cats)
- ** RO1EY-01075-01 Neurotransmission in the mammalian retina (rabbits)
- ** RO1EY-01076-02 Human optic disc laser contour angiograms in glaucoma (human)
- ** RO1EY-01078-02 Experimental argon laser photocoagulation (primates)
- ** RO1EY-01079-01 Clinical aspects of the transscleral VER (human)
- ** RO1EY-01080-02 Bioelectrical properties of corneal endothelium
- RO1EY-01081-01 Enzymes of vision—Vitamin A metabolism (human, rat, cow, monkey)
- ** RO1EY-01085-02 Neural mechanisms of developing vision (cats, shrew)
- ** RO1EY-01086-02 Structure and development of visual cortex (primates)
- ** RO1EY-01092-02 Biosynthesis of retinal phospholipids (rats)
- ** RO1EY-01098-02 Teratogenic and toxic effects of ophthalmic drugs (rats)
- ** RO1EY-01103-01 Vascular role in experimental retinopathies (rats)
- ** RO1EY-01107-02 Intravitreal surgery techniques (human, monkeys, rabbits)
- ** RO1EY-01112-02 Thermokeratoplasty (rabbits, human)
- ** RO1EY-01120-02 Clinical and laboratory studies of amblyopia (monkeys)
- ** RO1EY-01121-01 The afferent arc of corneal immunologic reaction (rabbits)
- ** RO1EY-01122-01 Development of the mammalian visual system (cats)
- ** RO1EY-01138-02 Spectroscopic characterization of human lenses (and rabbits)
- ** RO1EY-01139-01 Behavioral measures of binocular vision (man, monkeys)
- ** RO1EY-01140-02 Optical information processing in eyes (insects, spiders)
- ** RO1EY-01149-02 Physiology and psychology of vision (anurans)
- ** RO1EY-01155-02 Photoreceptor interactions (lobsters)
- ** RO1EY-01156-01 Progression of cataractogenesis and possible reversal (human, rats)
- ** RO1EY-01157-01 Ionic and metabolic basis of visual response (mollusks, amphibians)
- ** RO1EY-01162-01 Ocular damage due to retinal temperature rise (rabbits, monkeys)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(contd)

- ** RO1EY-01163-02 Pathology and pathogenesis of edema of optic disc (monkeys)
- ** RO1EY-01167-02 Studies in glaucoma and related diseases (human)
- ** RO1EY-01170-02 Neurophysiology consequences of visual cortex damage (cats)
- ** RO1EY-01172-02 Opponent-color codes-Cancellation and magnitude codes (human)
- ** RO1EY-01174-01 An experimental study of developing visual system (cats)
- RO1EY-01175-02 Partial visual deprivation in humans (cats)
- ** RO1EY-01178-02 Constant pressure appplanation tomography (human)
- ** RO1EY-01182-01 The nature and sequence of ocular immune response (rabbits)
- ** RO1EY-01188-02 Neural mechanisms in processing visual information (barnacles)
- ** RO1EY-01189-02 Eye movement-The role of brain stem neurons (monkeys)
- ** RO1EY-01190-02 Pathways for color vision in retinas (goldfish)
- ** RO1EY-01194-02 Histochemical study of autonomic innervation of the eye (rabbits)
- ** RO1EY-01197-01 Glutathione metabolism in ocular tissue (rabbits)
- ** RO1EY-01198-01 Pathogenesis and early diagnosis of eye inflammations (human, animals)
- ** RO1EY-01199-01 Corneal macromolecules and scar formation (rabbits)
- ** RO1EY-01200-01 Triparanol cataract
- ** RO1EY-01201-01 Lateral inhibition and metacontrast (human)
- ** RO1EY-01202-02 New gene delaying blindness in retinal dystrophy (rats, mice)
- ** RO1EY-01207-01 Normal and cataractous lens cell bioelectric properties (rats, frogs)
- ** RO1EY-01208-01 Development of primate retina and visual thalamus (primates)
- ** RO1EY-01211-01 Organ culture of corneas (human, rabbit)
- ** RO1EY-01217-01 Adrenergic and cholinergic interaction in the eye (rabbits)
- ** RO1EY-01221-01 Ionic mechanisms for retinal neuron potentials (mice)
- ** RO1EY-01224-01 Endocrine and physiological parameters in glaucoma
- ** RO1EY-01226-01 Role of complement in keratitis (rabbits, human)
- ** RO1EY-01227-01 Studies of the corneal endothelium of the eye (human, rabbit)
- ** RO1EY-01230-01 Physiology of visual pigment (fishes)
- ** RO1EY-01241-01 Neuropsychology (cats)
- ** RO1EY-01242-01 Ocular blood flow with dye dilution method (human, primates)
- ** RO1EY-01244-02 Neurofibrillar degeneration in cone dysfunction (dogs)
- ** RO1EY-01246-01 Serum antiprotease and corneal ulceration (human, rabbits)
- ** RO1EY-01248-01 Computer mapping of the optic nerve head (human)
- ** RO1EY-01249-01 Evaluation of the retinal nerve fiber layer (human)
- ** RO1EY-01255-01 Quantitative anatomical studies of visual deprivation (monkeys, mice)
- ** RO1EY-01259-01 Human VER and ERG with focal retinal stimulation
- ** RO1EY-01264-01 Eye movement-induced changes in visual function (human, animals)
- ** RO1EY-01268-02 Development and functions of visual cortex (cats)
- ** RO1EY-01275-01 Rhodopsin structure and function (cattle)
- ** RO1EY-01276-01 Lens metabolism and cataract formation (cattle)
- ** RO1EY-01278-01 Pharmacology of lenticular ion transport (toads)
- ** RO1EY-01281-01 Developmental analysis of retinal synaptic organization (animals)
- ** RO1EY-01282-01 Immunopathology and therapy of corneal disease (guinea pigs)
- ** RO1EY-01285-01 Quantitative determination of retinal function (locusts, crickets)
- ** RO1EY-01286-01 Physiology of visual afferent pathways (monkeys)
- ** RO1EY-01287-01 Development of optic pathway during embryogenesis (chick)
- ** RO1EY-01292-01 Histochemical changes in experimental cataracts (rabbits)
- ** RO1EY-01294-01 Experimental cryotherapy of ophthalmic malignancies (cattle)
- RO1EY-01300-01 Mechanism of development of diabetic cataracts (rats)
- ** RO1EY-01302-01 The role of HLA antigens in corneal transplantation (human)
- ** RO1EY-01303-01 Human retinal blood flow and laser velocimetry (human, monkeys)
- ** RO1EY-01310-01 Fovea-Anatomical and behavioral studies (animals)
- ** RO1EY-01311-01 Protein transport in retinal photoreceptors and axons (animals)
- ** RO1EY-01312-01 Holographic stress-testing of the surgical cornea (rabbits)
- ** RO1EY-01313-01 Cortisol metabolism in glaucoma and cataract (human, rabbits and cats)
- ** RO1EY-01316-01 Organization of striate cortex (cats)
- ** RO1EY-01318-01 Metallic ions in the vitreous body of the eye (rabbits)
- ** RO1EY-01323-01 Mechanism of visual excitation (cattle)
- ** RO1EY-01324-01 Congenital glaucoma pathogenesis, diagnosis, therapy (human, primates)
- ** RO1EY-01325-01 Effects of refractive error in single cell coding (rabbits, monkeys)
- ** RO1EY-01331-01 Development studies of the visual system (cats)
- ** RO1EY-01336-01 Problems in human vision
- RO1EY-01340-01 Corneal electrophysiology (frogs, rabbits)
- ** RO1EY-01342-01 Surface corneal epithelium in diseased states (human, animals)
- ** R23EY-01346-01 Rod disc turnover in the retina (dogs)
- ** RO1EY-01349-01 Functional anatomy of anterior segment of the eye (monkeys)
- ** RO1EY-01352-01 Adrenergic physiology of the eye (rabbits, monkeys)
- ** R23EY-01360-01 Teratogenic induction of coloboma (hamsters)
- ** RO1EY-01362-01 Mechanisms of vision (fishes, limulus)
- ** R23EY-01368-01 Experimental retinal neovascularization (cats)
- ** RO1EY-01370-01 Brainstem pathways for adduction of the cat eye
- ** RO1EY-01373-01 Retinal depamine and ERG flicker suppression (cats)
- ** R23EY-01391-01 Cause and time course of accommodative micropia (human)
- ** R23EY-01392-01 Induced retinal dysplasia (cats, dogs)
- ** RO1EY-01394-01 Very early dark adaptation from intense bleaching (human)
- ** RO1EY-01396-01 Preparation and characterization of cone pigments (chicken, fish, cattle)
- ** R23EY-01400-01 Effects of blood PO₂, PCO₂ and PH on retinal vessels (cows)
- ** RO1EY-01406-01 Retina-Photoreceptor membrane synthesis and function (human, frogs, fish)
- ** RO1EY-01408-01 Hereditary diseases (rabbits)
- ** RO1EY-01413-01 Ion and water movement in ocular tissues (rabbits)
- ** RO1EY-01465-01 Primary glaucoma (dogs, human)
- ** RO1EY-01488-01 Experimental Pseudomonas infection of the cornea (mice)
- ** RO1EY-01489-01 Precorneal tear film (rabbits)
- ** RO1EY-01490-01 Collagenolytic systems in normal and diseased corneas (human, rabbits)
- ** RO1EY-01496-01 Adaptation in invertebrate photoreceptors (Limulus)
- ** RO1EY-01497-01 Visual processing during eye movement (primates, human)
- ** RO1EY-01498-01 Development of stereoscopic vision (cats)
- ** RO1EY-01505-01 Preparation and characterization of cone pigments (animals)
- ** RO1FD-00669-01 Ocular effects from overexposure to optical sources (human, animals)
- ** RO1HL-13660-08 Cerebral circulation by study of the ocular pulse (human)
- RO1NS-00294-20 Oculomotor system and body postural mechanisms (human, monkeys, cats)
- ** RO1NS-08040-05 Neurophysiology of oculomotor-visual integration (cats)
- ** RO1NS-08057-06 Processing of visual information (turtles, pigeons)
- ** RO1NS-08669-05 Ontogenesis of visual synaptic neuropiles (flies)
- ** RO1NS-09343-04 Eye-head coordination (monkeys)
- VISUAL STIMULUS**
SEE EYE, VISUAL STIMULUS
- VISUAL THRESHOLD**
SEE EYE, VISUAL THRESHOLD
- VISUAL TRACKING**
SEE EYE, VISUAL TRACKING
- VISUALIZATION**
SEE BRAIN VISUALIZATION*
SEE CARDIOVASCULAR VISUALIZATION*
SEE DENTAL VISUALIZATION*
SEE GASTROINTESTINAL VISUALIZATION*
SEE KIDNEY VISUALIZATION*
SEE LIVER VISUALIZATION*
SEE OPTICS, IMAGING-VISUALIZATION (GENERAL)*
SEE RESPIRATORY VISUALIZATION*
SEE SKELETAL VISUALIZATION*
SEE URINARY TRACT VISUALIZATION*
- VITAL CAPACITY**
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME
- VITAL STATISTICS**
SEE POPULATION STUDIES HUMAN, VITAL STATISTICS
- VITAMIN(S)**
SEE ALSO COENZYMES
- SEE ALSO FOLIC ACID
R18AA-01155-02 Area alcoholism poverty program
PO2AM-05630-12 0015 Metabolic unit for the Department of Medicine - Vitamin dependence of inborn errors of metabolism (human)
- RO1AM-09280-10 Gastrointestinal absorption in the herbivore (ruminants)
- M PO1AM-14881-04 Metabolism and function of fat-soluble vitamins
- RO1ES-00775-01 Experimental lead encephalopathy (rats, monkeys)
- RO1ES-00929-01 Structural studies of physiologically active agents
- ** RO1FD-00560-01 Vitamin stability in dehydrated foods during storage
- PO1GM-19443-03 0022 Problems in clinical genetics - Aminocidurias (human, monkeys)
- MO1RR-00044-14 0041 General clinical research center - Effects of colestipol on fat and bile acid fecal excretion (human)
- VITAMIN ANALOGS**
** RO1AM-01549-18 Action of B vitamins in enzymic catalysis
** PO1AM-14881-04 0002 Metabolism and function of fat-soluble vitamins - Synthesis of vitamin D analogs and their biological activity
PO1AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
- ** RO1CP-22064-02 Organ culture assay of vitamin A analogs (mice, chickens)
- RO1EY-00201-13 Photochemistry of visual pigments (anurans, chickens, cattle)
- VITAMIN ANTAGONISTS**
SEE ALSO FOLIC ACID ANTAGONISTS
SEE ALSO VITAMIN B, THIAMINE ANTAGONISTS
RO1AI-06153-11 Growth physiology of cestodes (rats)
- ** PO1AM-14881-04 0002 Metabolism and function of fat-soluble vitamins - Synthesis of vitamin D analogs and their biological activity
- ** PO1AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings
- ** RO1CA-08793-08 Chemistry and pharmacology of vitamin B6 antagonists
- VITAMIN DEFICIENCY**
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS (GENERAL)
- VITAMIN EXCESS**
SEE NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS
- VITAMIN A**
SEE ALSO NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS A
SEE ALSO TERPENES, CAROTENE
** RO1AM-05968-14 Lipid metabolism (human, rats)
- ** RO1AM-05968-14 0001 Lipid metabolism (human, rats) - Transport and metabolism of vitamin A (human, mammals, nonhuman)
- R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
- ** RO1AM-08732-13 Vitamin A in glycoprotein synthesis
- ** RO1AM-09191-08 Metabolism of the vitamins A (rats, chicks)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** RO1AM-11367-07 Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans)
- ** RO1AM-11597-08 Metabolic role of vitamin A (rats)
- RO1AM-11649-06 Percutaneous absorption (human, rats, mice)
- RO1AM-11835-06 Physiology and treatment of gastroesophageal incompetence (human, dogs, cats)
- ** RO1AM-13557-04 Metabolism of retinol and retinoic acid (rats)
- ** PO1AM-14881-04 0012 Metabolism and function of fat-soluble vitamins - Studies on vitamin A (rats)
- PO1AM-15515-03 0002 Psoriasis biology, psoriasisogenesis and lesion control - Intra-epidermal factors controlling mitosis (human, lizards, rodents)
- ** RO1AM-16578-01 Vitamin A-Form and distribution in hepatic cell types (rats)
- ** RO1CA-08518-07 0001 Lysosomal enzymes in x-irradiated tumor cells - L-1210 leukemia (ascites) in vivo and in vitro (mice)
- ** RO1CA-08518-07 0002 Lysosomal enzymes in x-irradiated tumor cells - Schmidt-Ruppin sarcoma RR-1022 (rats)
- ** RO1CA-08518-07 0005 Lysosomal enzymes in x-irradiated tumor cells - Mechanism of action of Trypan Blue
- RO1CA-08543-10 Biochemistry of nitrosourea induced brain tumors (rats)
- RO1CA-10286-06 Hormone dependent urogenital tumors in rodents (mastomys, hamsters)
- PO2CA-11198-06 0006 Cancer research center - Xanthine oxidase (dogs, human, mice)
- RO1CA-11939-03 Chemical carcinogenesis and mammalian DNA replication (mice, hamsters)
- RO1CA-12383-03 Asparagine analogs effects of allograft, leukemia (mice)
- PO2CA-15688-01 0019 Program in medical oncology - Interacting effects of anticancer and other drugs (mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL. N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

POICA-15704-01 0036 Cancer center support grant - Therapeutic radiology
 POICA-15823-01 0002 Program in developmental biology of cancer - Squamous differentiation in endometrial carcinoma (human, hamsters)
 ** NO1CP-22064-02 Organ culture assay of vitamin A analogs (mice, chickens)
 NO1CP-23292-02 Modulating factors in respiratory carcinogenesis (animals)
 ** NO1CP-43253-00 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
 ** NO1CP-92083-07 Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats)
 PO1DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
 P13DE-02623-08 0015 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias (rats, guinea pigs)
 P13DE-02623-08 0016 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias
 P13DE-02731-08 0006 Development support for dental research institute - Dental research experimental pathology (human, rats, mice, rabbits)
 ** RO1DE-02933-06 Hypervitaminosis A and altered dentofacial development (mice)
 RO1DE-03470-03 Protein turnover in dental pulp and periodontal tissues (cattle)
 POIES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
 RO1ES-00769-09 Toxicity studies with a chelating agent (rats)
 ** POIES-00842-02 0005 Chronic obstructive lung disease - Vitamins E and A in pathogenesis of nitrogen dioxide induced lung disease (rats)
 RO1ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
 RO1EY-00046-05 Biosynthesis of visual pigment rhodopsin (rats, frogs)
 RO1EY-00169-04 Electrophysiological studies of retinal degenerations (human, cats, rats)
 RO1EY-00201-13 Photochemistry of visual pigments (anurans, chickens, cattle)
 PO1EY-00331-08 0003 Retinal morphology, function and clinical characteristics - Functional biochemistry (frogs, rats, cattle, rabbits)
 ** RO1EY-00343-09 Retinal metabolism (rats, cattle, cats, frogs, human)
 RO1EY-00393-07 Glycolipid and glycoprotein metabolism in eye tissue (animals)
 RO1EY-00444-06 Electron microscope autoradiography of ocular tissues (animals)
 RO1EY-00461-06 Photo- and biochemical reactions in the visual system (fish)
 ** RO1EY-00515-06 Vitamin A and protein synthesis in cornea (rats)
 RO1EY-00624-04 Experimental analysis of retinal development (amphibians)
 RO1EY-00675-04 Biochemistry of visual cell renewal and visual cycle (rats)
 RO1EY-00704-04 Biochemical and biophysical investigation of rhodopsin
 ** RO1EY-00918-02 New geometric isomers of vitamin A and carotene
 ** RO1EY-01081-01 Enzymes of vision-Vitamin A metabolism (human, rat, cow, monkey)
 ** RO1EY-01150-01 Vitamin A and photoreception in insect visual systems
 ** R23EY-01360-01 Teratogenic induction of coloboma (hamsters)
 RO1EY-01406-01 Retina-Photoreceptor membrane synthesis and function (human, frogs, fish)
 ** RO1EY-01408-01 Hereditary diseases (rabbits)
 RO1FD-00560-01 Vitamin stability in dehydrated foods during storage
 RO1GM-09686-13 Chemistry of natural products
 RO1GM-10292-12 Studies in fine structure (animals)
 ** RO1GM-12829-10 0005 Wound healing - Effect of cortisone and vitamin A on wound infection (human)
 ** RO1GM-12829-10 0006 Wound healing - Effect of vitamin A on immunosuppression by cortisone (mice)
 ** RO1GM-12829-10 0007 Wound healing - Effects of fluorinated corticoids on collagen synthesis, lysis in wounds (human)
 P11GM-15477-08 0057 Drug metabolism and biochemical pharmacology - Vitamin A and drug metabolizing induction by 3-methylcholanthrene (rats)
 P11GM-15477-08 0126 Drug metabolism and biochemical pharmacology - Coadministration of nontoxic agent and cytotoxic drug (cell culture)
 PO1GM-18470-03 0005 Trauma center - Wound healing in trauma patients
 RO1GM-19620-02 Vitamin transport (chickens)
 RO1GM-20926-01 Lysosomal membranes-Chemical composition (rats, rabbits, human)
 PO1HD-02274-08 0068 Mental retardation and child development - Biochemical studies of retina (human, chickens)
 PO1HD-02274-08 0072 Mental retardation and child development - The prime visual system

PO1HD-04147-06 0013 Research in mental retardation - Synaptic pathology (human, rats, monkeys)
 RO1HD-05384-03 Nutritional aspects of purine metabolism (rats)
 ** RO1HD-05724-03 Carotenoid metabolism of the corpus luteum (cattle)
 RO1HD-07337-03 Reproductive regulation by Golgi apparatus secretions (rats)
 PO1HD-08658-01 0010 Developmental neurobiology in primates - Experimental malformations of the central nervous system (nonhuman primates)
 NO1HD-22784-03 Effect of oral contraceptives on nutritional status (human)
 NO1HD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r
 NO1HD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
 ** PO1HL-10098-10 0015 Primates in cardiovascular research - Vitamin A deficiency
 ** PO1HL-10098-10 0020 Primates in cardiovascular research - Vitamin A toxicity
 PO1HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
 ** P17HL-14236-04 0001 Prevention of premature arteriosclerosis - Metabolism and transport of cholesterol and vitamin A (human, rats, rabbits)
 P17HL-15103-03 0004 Specialized center of research-arteriosclerosis - Bogalusa family studies-Nutrition (children)
 ** RO1NS-02108-15 Hypo- and hypervitaminosis A (rats)
 MO1RR-00055-13 0117 General clinical research center - Subclinical vitamin A deficiency (human)
 ** MO1RR-00284-08 0011 General clinical research center-pediatric - Effect of vitamin A on metachromic and globoid leucodystrophy
 ** MO1RR-00645-03 0021 Clinical research center - Plasma retinol-binding protein in hepatic and renal disease (human)
 MO1RR-00645-03 0039 Clinical research center - Aspects of malabsorption in cystic fibrosis (human)
VITAMIN A ACID
 RO1AM-05968-14 Lipid metabolism (human, rats)
 ** RO1AM-09191-08 Metabolism of the vitamins A (rats, chicks)
 RO1AM-11597-08 Metabolic role of vitamin A (rats)
 ** RO1AM-13557-04 Metabolism of retinol and retinoic acid (rats)
 ** PO1AM-14881-04 0012 Metabolism and function of fat-soluble vitamins - Studies on vitamin A (rats)
 ** RO1AM-17211-01 Glycolipid derivatives of vitamin A
 ** RO1CA-12122-02 Vitamin A acid localization in the keratoacanthoma (rabbits)
 PO1DE-02918-06 0004 Oral-facial growth and development in primates - Production and treatment of cleft lip and palate (M mulatta)
 ** RO1HD-06045-03 Inter-relationship between retinal and male gonads (rats)
 ** RO1HD-06550-03 Mechanisms underlying experimental teratogenesis (mice)
VITAMIN A ALDEHYDE
 SEE EYE, VISUAL PIGMENTS, RETINAL
VITAMIN A DEFICIENCY
 SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS A
VITAMIN B (COMPLEX)
 SEE ALSO P-AMINO BENZOATE
 SEE ALSO AMMONIUM QUATERNARY, BETAINE COMPOUNDS, CARNITINE
 SEE ALSO FLAVIN NUCLEOSIDES, RIBOFLAVIN
 SEE ALSO FOLIC ACID
 SEE ALSO NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B
 SEE ALSO PYRIDINAMIDES, NICOTINAMIDE
 SEE ALSO PYRIDINE CARBOXYLIC ACIDS, NICOTINIC ACID
 RO1HD-06007-03 0001 Metabolism of myoinositol during development (rats) - The origin of fetal blood myoinositol (rats)
 RO1HD-06007-03 0002 Metabolism of myoinositol during development (rats) - Myoinositol activity in mammary glands
 ** MO1RR-00032-14 0072 General clinical research center - Myoinositol metabolism in uremia (human)
 ** MO1RR-00032-14 0074 General clinical research center - Myoinositol metabolism in diabetes mellitus (human)
VITAMIN B, BIOTIN
 SEE ALSO ALBUMINS, AVIDIN
 ** RO1AI-08573-07 0004 Genetics of lambda prophage - Regulation of the biotin operon
 ** RO1AI-08573-07 0005 Genetics of lambda prophage - Biotin biosynthesis
 ** RO1AM-12245-07 Structure of biotin enzymes (cattle, birds, microorganisms)
 RO1AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 RO1AM-13362-06 Structure and function of dehydrogenases (swine, fish, decapods, E coli)
 ** RO1AM-14450-04 Mechanism of biotin biosynthesis (bacteria)
 ** RO1AM-14574-05 Apocarboxylase activation by d-biotin (human, chickens, cattle, E coli)

RO1AM-14575-05 Phosphoenolpyruvate carboxylases
 RO1AM-16097-02 Propionogenic potential of polyunsaturated fat (human, rats)
 ** RO1GM-20207-01 Biotin holoenzyme synthetase-Mechanism and specificity (yeast, E coli)
 RO1HL-09489-09 0001 Myocardial lipid metabolism and regulation - Polyunsaturated fatty acid metabolism (rats)
 RO1HL-10406-09 Synthesis, metabolism and function of lipids (rats, bacteria)
 MO1RR-00827-01 0036 General clinical research center - New approaches to treatment of inborn errors of metabolism
VITAMIN B, LIPOIC ACID
 RO1AM-12606-11 Biochemical aspects of electrolyte transport (rats, rabbits, frogs, toads)
 RO1AM-17243-01 Tracer techniques in diagnosis of acute cholecystitis (human, dogs)
VITAMIN B, PANTOTHENIC ACID
 RO1AI-01575-18 Nutrition and metabolism of microorganisms
 RO1AM-15836-03 Control of lipogenesis in animals and microorganisms (rats, microorganisms)
 ** RO1AM-16554-02 Pantothenic acid and/or pantotheine binding protein
 RO1FD-00606-01 Improving the nutritional content of processed foods (peas, tomatoes)
 ** RO1GM-19620-02 Vitamin transport (chickens)
VITAMIN B, THIAMINE
 ** RO1AA-00267-05 Alcohol and its metabolic effects (rats, dogs, human)
 ** RO1AM-02448-16 Physiological functions and metabolism of thiamine (rats)
 ** RO1AM-03442-15 Biosynthesis of B vitamins (microorganisms)
 RO1AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
 ** RO1AM-10297-08 Thiamine metabolism in mammals (human, rats)
 ** RO1AM-12743-07 Models for metabolic processes
 RO1AM-15480-03 Tryptophan metabolism in pellagra (human)
 ** RO1AM-17442-01 Enzymatic thiamine cofactor catalysis-Model systems
 RO1CA-02790-19 Biosynthesis of purines (bacteria)
 RO1CA-08748-09 5920 Research program of Sloan-Kettering Institute - Bladder tumors-Influence of dietary factors (rats)
 RO1CA-08748-09 5922 Research program of Sloan-Kettering Institute - Kidney tumors-Influence of dietary factors (rats)
 ** RO1CA-14617-01 Thiamine mediated formation of hydroxamic acids
 POIES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
 RO1ES-00638-04 Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents)
 RO1FD-00140-07 Quantitative analysis of food packaging problems
 RO1FD-00560-01 Vitamin stability in dehydrated foods during storage
 ** RO1GM-08285-13 Thiamine function in nerve tissue (chick embryo)
 RO1GM-17913-04 New methodologies in bioanalytical chemistry
 RO1GM-19620-02 Vitamin transport (chickens)
 RO1GM-20011-02 Reaction mechanisms of pyrophosphokinases
 PO1HD-06576-01 0003 Molecular aspects of mental retardation - Disorders of pyruvate metabolism (human, animals)
 RO1HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
 NO1HD-22731-03 Interaction of B-vitamins with contraceptive steroids (rats)
 NO1HD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
 RO1NS-06262-10 Immune basis of disease-Allergic encephalomyelitis (rats, rabbits, cats)
 ** RO1NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
 ** MO1RR-00047-14 0096 General clinical research center - Treatment of subacute necrotizing encephalomyelopathy (human)
 MO1RR-00425-06 0076 General clinical research center - Necrotizing encephalomyelopathy in a child with cystathioninuria
 MO1RR-00827-01 0036 General clinical research center - New approaches to treatment of inborn errors of metabolism
 MO1RR-00865-01 0021 General clinical research center - Metabolic studies of degenerative neurological diseases (human)
VITAMIN B, THIAMINE ANALOGS
 ** RO1AM-02448-16 Physiological functions and metabolism of thiamine (rats)
 ** RO1NS-09178-10 Biochemical mono and polyphosphate crystal structures

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
 **Oriented significantly to above subject.
 M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.
 See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

VITAMIN B, THIAMINE ANTAGONISTS

- RO1NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)

VITAMIN B, THIAMINE PYROPHOSPHATE

- RO1AM-02448-16 Physiological functions and metabolism of thiamine (rats)
 RO1AM-12180-06 Pyruvate decarboxylase-Coenzyme effect on structure (yeast)
 RO1AM-13502-06 Enzyme catalysis of electron and group transfer (bacteria)
 RO1AM-17495-01 Probes of thiamine pyrophosphate, Mg(II) enzymes
 RO1DA-00538-01 Thiamine deficiency (rats, mice)
 NO1DE-32417-01 Localization of certain hydrolytic enzymes in periodontal ligament (rats)
 RO1HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
 RO1NS-09622-03 Thiamine and disorders of brain metabolism (human, rats, lobsters)
 RO1NS-10019-03 Nerve triphosphoinoside function (cats)

VITAMIN B DEFICIENCY

SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B

VITAMIN B1

SEE VITAMIN B, THIAMINE

VITAMIN B2

SEE FLAVIN NUCLEOSIDES, RIBOFLAVIN

VITAMIN B2 PHOSPHATE

SEE FLAVIN NUCLEOTIDES, RIBOFLAVIN NUCLEOTIDES, FMN

VITAMIN B3

SEE PYRIDINAMIDES, NICOTINAMIDE

VITAMIN B6 (COMPLEX)

- ** RO1AM-03524-15 Role of vitamin B6 in metabolism (mice)
 PO1AM-04489-14 0008 Hematology - Heme synthesis and porphyrin metabolism (human)
 RO1AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
 RO1AM-15480-03 Tryptophan metabolism in pellagra (human)
 RO1AM-16835-01 Effect of diet on urinary stone formation in animals (rats, monkeys)
 RO1CA-04175-16 Cell culture studies on drugs and antimetabolites
 ** RO1CA-13302-02 Vitamin B6, steroids and energy in cancer patients
 ** PO2CA-14520-02 0013 Wisconsin Clinical Cancer Center - Vitamin B6, steroid hormones and energy (human)
 RO1FD-06006-01 Improving the nutritional content of processed foods (peas, tomatoes)
 ** PO1GM-19489-03 0013 Study of human genetics - Treatment of homocystinuria with vitamin B6
 RO1GM-20511-01 Enzyme model systems containing aminoalkylphosphonic acids
 PO1HD-04147-06 0008 Research in mental retardation - Neuroendocrinology
 NO1HD-22784-03 Effect of oral contraceptives on nutritional status (human)
 ** NO1HD-22789-03 Interaction of contraceptive steroids and vitamin B6 (human)
 ** RO1MH-13026-07 Pharmacogenetics of audiogenic seizures (mice)
 RO1NS-03743-13 Amino acids and related metabolites in the CNS (toads, rats, chicks)
 ** RO1NS-10720-01 Investigations of vitamin B6 in Down's syndrome (human)
 ** MO1RR-00035-14 0064 General clinical research centers - Effect of MK-486 and vitB6 on L-dopa metabolism (human)
 ** MO1RR-00082-12 0109 General clinical research center - Effect of vitamin B6 therapy in homocystinuria
 MO1RR-00722-02 0003 General Clinical Research Center - Management of Parkinson's disease (human)

VITAMIN B6, PYRIDOXAL

- ** RO1AM-11694-08 Reaction of metal chelate of vitamin B6
 ** RO1AM-15705-03 The general intermediate for vitamin B6 catalysis
 ** RO1AM-17006-01 Instrumental methods and pyridoxal catalysis (pig)
 RO1CA-05671-14 0012 Glucocorticoid receptors in normal and malignant tissue - Tryptophan oxygenase (rats)
 RO1GM-19984-02 0004 Structure and function of proteins at molecular level - Glutamate-aspartate transaminase
 RO1HL-06787-12 Aging of hemoglobin in the erythrocyte (human)
 ** MO1RR-00052-13 0047 General clinical research center for children - Homocystinuria
 MO1RR-00425-06 0076 General clinical research center - Necrotizing encephalomyelopathy in a child with cystathioninuria

VITAMIN B6, PYRIDOXAL ANALOGS

- RO1AM-17006-01 Instrumental methods and pyridoxal catalysis (pig)
 PO2CA-06516-12 0014 Cancer center support grant - Comprehensive - Bio organic synthesis (human, rodent)
 ** RO1CA-08793-08 Chemistry and pharmacology of vitamin B6 antagonists
 RO1NS-11310-01 Neurotransmitter biosynthesis (cattle)

VITAMIN B6, PYRIDOXAL PHOSPHATE

- RO1AA-00225-07 Hematologic and metabolic studies in alcoholism (human, rats)
 RO1AL-03998-12 0001 Cellular regulatory mechanisms at the molecular level - Mechanism of protein folding
 RO1AM-00745-20 Erythrocyte production and destruction (human, monkeys)
 ** RO1AM-01448-18 Catalytic functions and metabolism of vitamin B6 (bacteria, fungi)
 ** RO1AM-01549-18 Action of B vitamins in enzymic catalysis
 ** RO1AM-03524-15 Role of vitamin B6 in metabolism (mice)
 RO1AM-07203-12 Studies on phosphohexose isomerases (rabbits, yeasts, swine)
 RO1AM-10748-08 Effect of diet and hormones on enzymes and metabolism (rats)
 ** RO1AM-14157-05 Biosynthesis and regulation of pyridoxal 5-phosphate (bacteria)
 RO1AM-15838-03 Structure and metabolism of pituitary hormones (human, cattle)
 RO1AM-16688-02 Conformational transitions of allosteric enzymes
 RO1AM-16950-01 Serine and threonine metabolism (sheep)
 RO1AM-17587-01 Regulation of mammalian amino acid metabolism (rats)
 RO1AM-17772-01 Quantitative histochemistry of gastric acid secretion (rats)
 RO1CA-08290-09 Chemotherapeutic deoxynucleosides and other agents
 RO1CA-08793-08 B6 antagonists
 RO1GM-11788-11 Mechanisms of catalysis and allosteric control (E coli)
 RO1GM-13777-09 Mechanism of biochemical C-C and C-N bond formation
 PO1GM-15003-13 0015 The biological functions of metals - Magnetic circular dichroism in structure studies
 PO1GM-15003-13 0019 The biological functions of metals - Chemical approaches to enzyme action
 RO1GM-18852-03 Stereochemistry of enzyme reactions (bacteria)
 RO1GM-20184-10 Stereochemistry of enzymatic transamination (rats, chickens)
 ** RO1GM-20727-01 Probes of molecular function in pyridoxal enzymes (mammals)
 RO1GM-20879-01 Histamine biosynthesis (mammals)
 ** NO1GM-42166-00 Symposium on biological pyridoxal catalysis
 RO1HD-05506-04 Hormonal regulation of growth and differentiation (rats, human)
 PO1HD-05996-03 0003 Prevention of mental retardation through prenatal diagnosis - Carbohydrates containing macromolecules and lysosomal function (human)
 NO1HD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
 ** RO1HL-05791-14 Structure and function in hemoglobins (sheep, human)
 ** RO1HL-11448-07 Isozymes of heart glutamate aspartate transaminase (swine, chicks)
 RO1HL-16927-01 Functional studies on A and S hemoglobins (human)
 NO1HR-42943-00 Separation and characterization of lung elastin (organ cultures)
 NO1HR-42944-00 Separation and characterization of lung elastin
 RO1NS-01687-16 Neuropharmacology of the postsynaptic membrane (aplasia)
 ** RO1NS-04454-11 Cystathionine metabolism in brain (monkeys)
 ** RO1NS-07657-07 Coenzyme binding and nervous disorders
 RO1NS-09003-05 Structure, function, and assembly of nerve membranes (rats)
 RO1NS-11310-01 Neurotransmitter biosynthesis (cattle)
 MO1RR-00062-12 0029 Clinical research center, children - Regulation of hemoglobin synthesis
 MO1RR-00750-02 0011 General clinical research center - A pharmacogenetic study of alcohol metabolism in man

VITAMIN B6, PYRIDOXINE

- ** RO1AA-00196-03 Alcohol induced defects in pyridoxine and folate metabolism (human, rats)
 ** RO1AA-00272-04 Platelet utilization and metabolism in alcoholism (human)
 RO1AI-01575-18 Nutrition and metabolism of microorganisms
 ** RO1AM-01448-18 Catalytic functions and metabolism of vitamin B6 (bacteria, fungi)
 ** RO1AM-03442-15 Biosynthesis of B vitamins (microorganisms)
 RO1AM-04585-14 Investigation of flavin systems (swine)
 RO1AM-06309-13 Enzyme activity and nutrient content of leukocytes (rats)
 RO1AM-06850-12 Nutritional needs as influenced by genetic variation (chickens)
 ** RO1AM-09406-11 0001 Genetic diseases - Oxalate metabolism (human, rats)
 ** RO1AM-12436-06 Chemistry of vitamin B6
 RO1AM-12579-05 Tissue culture study of inborn metabolic errors (human)
 RO1AM-13359-06 Molecular basis genetics of glycogen storage disease (human)

- RO1AM-14157-05 Biosynthesis and regulation of pyridoxal 5-phosphate (bacteria)
 PO1CA-08748-09 5920 Research program of Sloan-Kettering Institute - Bladder tumors-Influence of dietary factors (rats)
 PO1CA-08748-09 5922 Research program of Sloan-Kettering Institute - Kidney tumors-Influence of dietary factors (rats)
 RO1CA-12443-04 Veterans administration cooperative urological research groups
 PI1GM-14270-08 0055 Human drug metabolism and toxicology - Renal physiology and pharmacology-L-Dopa and depamine (animals)
 PI1GM-15956-07 0020 Factors affecting the responses to drugs - Peroxisomes and drug effects (rodents, human)
 PO1GM-17702-05 0005 Human biochemical genetics - Prenatal diagnostic facility
 ** PO1GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
 RO1GM-20184-10 Stereochemistry of enzymatic transamination (rats, chickens)
 RO1HD-05341-04 Down's syndrome-5-hydroxy tryptophan study (children)
 PO1HD-06276-03 0030 Mental retardation research program - Tryptophan in Down's syndrome (children)
 RO1HD-07465-01 Enzymatic detection of neurodegenerative disorders (human)
 NO1HD-22731-03 Interaction of B-vitamins with contraceptive steroids (rats)
 ** NO1HD-22782-03 Effects of oral contraceptives on vitamin B6 nutrition (human)
 ** PO1HL-10098-10 0026 Primates in cardiovascular research - Thrombohemorrhagic phenomena
 RO1MH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 RO1NS-04454-11 Cystathionine metabolism in brain (monkeys)
 RO1NS-05096-11 0002 New amino acid disorders in cerebral disease - Sulfur containing aminoacidopathy (children)
 PO1NS-11131-01 0017 Extrapyramidal and related behavioral disorders - Cerebrospinal fluid in treated parkinsonian patients
 MO1RR-00064-10 0006 General clinical research center - Disorders of hemoglobin synthesis (human)
 MO1RR-00071-11 0031 General clinical research center - Inborn errors of amino acid metabolism in mental deficiency (human)
 MO1RR-00095-14 0051 General clinical research center - Penicillamine treatment of muscular dystrophy (human)
 MO1RR-00400-06 0057 General clinical research center - adult - Low methionine diet in homocystinuria (human)
 ** MO1RR-00750-02 0016 General clinical research center - Homocystinuria-Evaluation of therapy
 MO1RR-00827-01 0001 General clinical research center - Biochemistry of cysteine biosynthesis in man

VITAMIN B6, PYRIDOXINE, DEOXY-

- ** RO1CA-05671-14 0010 Glucocorticoid receptors in normal and malignant tissue - Inhibition of tyrosine aminotransferase by 4-deoxypyridoxine

VITAMIN B6, PYRIDOXINE ANALOGS

- ** RO1AM-11694-08 Reaction of metal chelate of vitamin B6
 ** RO1HD-06843-01 Cerebral phenylalanine metabolism in phenylketonuria (rats, human)

VITAMIN B6 DEFICIENCY

SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B6

VITAMIN B12

SEE ALSO BLOOD AND RE DISORDERS, ANEMIA PERNICIOUS

- RO1AA-00084-07 Erythropoiesis in megaloblastic anemias (human)
 RO1AI-09625-05 Development of parasitic nematodes in vitro (mice, rats)
 RO7AI-10049-15 0004 International center for medical research - Anemia and bleeding disorders in West Pakistan (human)
 RO7AI-10050-14 0001 International center for medical research - Nutrition and metabolism (human)
 RO1AI-10095-03 Surgical pathophysiology in gnotobiotic animals (rats, dogs)
 ** RO1AM-00068-23 Mucoproteins, intrinsic factor, B12 vitamins (human, animals)
 RO1AM-00745-20 Erythrocyte production and destruction (human, monkeys)
 RO1AM-06971-12 Immunology of gastrointestinal diseases (human, dogs, guinea pigs)
 ** RO1AM-08171-11 Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms)
 R22AM-08317-11 Malnutrition in the Middle East (human, rats, sand rats, donkeys)
 ** RO1AM-09085-10 Structure of biological molecules (fungi)
 ** RO1AM-09134-09 Enzyme studies on vitamin B12 and its constituents (bacteria)
 RO1AM-09743-09 Kinetics of peritoneal dialysis (dogs)
 ** RO1AM-10646-08 Folate-B12 metabolism in normal and pathological cells (mice)
 ** RO1AM-12599-06 Chemical studies with free and bound vitamin B12 (bacteria)

(contd)

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** ROIAM-12653-06 Transport of vitamin B12 (microorganisms)
 ROIAM-12913-06 Biochemistry of vitamin B12-factors (bacteria)
 ROIAM-13091-06 Porphyrins-Enzymatic mechanisms and control of synthesis (bacteria, cattle)
 ** ROIAM-14165-04 Synthesis and absorption of vitamin B12 (sheep, cattle)
 ROIAM-14341-06 Reaction mechanisms of cyclic tetramine complexes
 ** ROIAM-15022-03 Cyanocobalamin derivatives and growth and development under stress (mice)
 ** ROIAM-15163-05 Vitamin B12 and folic acid metabolism (human, rodents)
 ROIAM-15725-03 Hyperfine interactions in iron proteins (human, mycobacteria, Euglena, beans)
 ROIAM-16013-03 Enzyme regulation in the hemopoietic system (human)
 ** ROIAM-16447-01 Mossbauer studies of vitamin B12 and its coenzyme
 ** ROIAM-16668-02 Structure and function of B12 binding protein (human, guinea pig and swine)
 ROIAM-17331-02 Organo metallic derivatives of biological compounds
 ROIAM-17509-01 Binding and transport functions of intestinal microvilli (hamsters, rats, dogs)
 ROIAM-17533-01 MelaNoporphyrin-Heme protein model relationships
 ROIAM-17537-02 Functional morphology of the alimentary tract (human, rat, rabbits)
 ROIAM-18087-01 Effect of guanidine derivatives on biological systems (mammals)
 M ROICA-03728-17 Metabolism of normal and leukemic leukocytes
 ** ROICA-03728-17 0004 Metabolism of normal and leukemic leukocytes - Mitochondrial DNA synthesis (rats)
 ROICA-08010-10 Mechanism of action of folate antagonists (human, mice, dogs, guinea pigs)
 ROICA-11305-06 Leukemia and humoral regulators of WBC production (human)
 ROICA-11778-05 Chemistry of folate and pteridine coenzymes
 ** ROICA-11978-04 Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats)
 ** ROICA-12084-03 B12 analogues as chemotherapeutic agents
 ROICA-14491-01 Novel transport proteins in hepatoma (human, rabbits)
 PO2CA-15083-01 0015 Cancer Center Support Grant-Mayo Foundation - Acute leukemia in adults
 ** POICA-16359-01 0015 Cancer center support grant - Action of folate antagonists and B12-folate (human)
 ** ROICA-16904-01 Microbial metabolite inhibition of tumor B12 binding (tissue culture)
 ** ROIGM-04229-20 The chemistry of natural products
 ROIGM-13498-09 Metal centers in biological systems
 ROIGM-13777-09 Mechanism of biochemical C-C and C-N bond formation
 ROIGM-18357-05 Metal complexation of diazenes, oxygen, imidazole and flavins
 ** ROIGM-19906-01 Model studies of vitamin B12
 ROIHD-01385-09 Experimental erythroblastosis fetalis (dogs, monkeys, sheep)
 NOIHD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r
 NOIHD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
 ROIHL-12526-05 Raman spectra of heme proteins and related molecules
 ** ROINS-11821-01 Diphenylhydantoin-induced cleft palate inhibition by B12 congeners (mice)
 ** MOIRR-00058-13 0002 General clinical research center - Vitamin B-12 absorption studies with intrinsic factor (human)
 ** MOIRR-00070-12 0095 General clinical research center - Vitamin B12 absorption in severe neurological deficiency (human)
 ** MOIRR-00633-02 0040 General clinical research center - Rate of exchange of vitamin B12 from blood to cerebrospinal fluid

VITAMIN B12 RELATED COENZYMES
 SEE VITAMIN B12 COENZYMES

VITAMIN B12 RELATED COMPOUNDS
 SEE ALSO VITAMIN B12 COENZYMES

** ROIAM-09085-10 Structure of biological molecules (fungi)
 ** ROIAM-09134-09 Enzyme studies on vitamin B12 and its constituents (bacteria)
 ROIAM-12579-05 Tissue culture study of inborn metabolic errors (human)
 ** ROIAM-13339-06 Metal complexes related to vitamin B12
 ** ROIAM-14165-04 Synthesis and absorption of vitamin B12 (sheep, cattle)
 ROIAM-16101-03 Methylation of and by metal complexes
 ROIAM-16586-01 Transport and the intracellular fluids (Drosophila, chromomidae, toad)
 ** ROIAM-17014-01 Porphyrin and corrinoid biosynthesis
 ** ROIAM-17767-01 Transcobalamin II in the transport of vitamin B-12 (dogs, human)
 ** PO2CA-15688-01 0004 Program in medical oncology - Vitamin B12 antagonists as anti-cancer agents

** NOICM-22042-02 Preparation and testing of vitamin B12 analogs (mice)
 ROIHL-15196-02 Theory of electronic properties of metalloproteins
 MOIRR-00069-12 0020 General clinical research center, children - Enzyme variants in methylmalonic aciduria
VITAMIN B12 RELATED COMPOUNDS, COBAMIDES
 ** ROIAM-12913-06 Biochemistry of vitamin B12-factors (bacteria)
 ROIAM-14341-06 Reaction mechanisms of cyclic tetramine complexes
 ** ROIAM-16668-02 Structure and function of B12 binding protein (human, guinea pig and swine)
 ROICA-03728-17 0003 Metabolism of normal and leukemic leukocytes - Purify and characterize ribonucleotide reductase
 ** ROICA-03728-17 0004 Metabolism of normal and leukemic leukocytes - Mitochondrial DNA synthesis (rats)
 ** ROIGM-20307-10 Structure and reaction of the cobamide coenzymes (microorganisms)
 ROIMS-11821-01 Diphenylhydantoin-induced cleft palate inhibition by B12 congeners (mice)
 ** MOIRR-00059-13 0126 General clinical research center - Vitamin B12 deficiency (human)

VITAMIN B12 RELATED COMPOUNDS, 5,6-DIMETHYLBENZIMIDAZOLE COBAMIDE

ROIAM-00068-23 Mucoproteins, intrinsic factor, B12 vitamins (human, animals)
 ** ROIAM-10067-08 Biosynthesis of the DBI moiety of vitamin B12 (prokaryotic bacteria)
 ** ROIAM-16574-02 Cobalamin deficiency in animals with enteric overgrowths (dogs, rats)
 ** ROIAM-16589-02 Coenzyme B12 and related compounds
 ROIGM-12633-11 Enzyme mechanisms and enzyme inhibitors (rats)

VITAMIN B12 COENZYMES

ROIAI-00563-27 Intermediary metabolism of bacteria
 ROIAM-06045-11 Kinetics of B12, intrinsic factor, and other proteins (human, guinea pigs)
 ROIAM-09085-10 Structure of biological molecules (fungi)
 ROIAM-09134-09 Enzyme studies on vitamin B12 and its constituents (bacteria)
 ROIAM-12599-06 Chemical studies with free and bound vitamin B12 (bacteria)
 ROIAM-12653-06 Transport of vitamin B12 (microorganisms)
 ROIAM-12913-06 Biochemistry of vitamin B12-factors (bacteria)
 ** ROIAM-16447-01 Mossbauer studies of vitamin B12 and its coenzyme
 ROIAM-16589-02 Coenzyme B12 and related compounds
 ROICA-03728-17 0004 Metabolism of normal and leukemic leukocytes - Mitochondrial DNA synthesis (rats)
 ** ROICA-06522-13 Folate coenzymes-Mechanism of action and transport
 ROICA-08395-09 Control factors for DNA synthesis (bacteria, human, mammals sub-human)
 ROIGM-10218-12 Mechanism of enzyme action
 ROIGM-10829-16 Optically active coordination compounds
 ** ROIGM-12633-11 Enzyme mechanisms and enzyme inhibitors (rats)
 ** ROIGM-20307-10 Structure and reaction of the cobamide coenzymes (microorganisms)
 ** ROIHD-06575-02 Metabolic studies in methylmalonic acidemia (human, rats)

VITAMIN B12 DEFICIENCY

SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS B12

VITAMIN B12 DEFICIENCY, TRANSPORT DEFECT
 SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, VITAMIN B12 TRANSPORT DEFECT

VITAMIN B12 TRANSPORT DEFECT
 SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, VITAMIN B12 TRANSPORT DEFECT

VITAMIN BC
 SEE FOLIC ACID

VITAMIN C
 SEE ALSO NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C
 ROIAI-10600-03 Human phagocyte function in health and disease (also animal)
 ROIAI-10732-03 Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
 ROIAM-06205-13 Parathyroid and bone metabolism (rats)
 ** ROIAM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)
 ROIAM-13970-13 Wound repair and inflammation (human, rabbits, guinea pigs)
 ROIAM-15800-03 Metabolism of bone and bone cells (rats)
 ROIAM-18063-01 Parathyroid and bone metabolism (rats)
 ROICA-03983-16 Free radicals in physiological and pathological processes (rats)
 POICA-08748-09 5920 Research program of Sloan-Kettering Institute - Bladder tumors-Influence of dietary factors (rats)

POICA-08748-09 5922 Research program of Sloan-Kettering Institute - Kidney tumors-Influence of dietary factors (rats)
 PO2CA-12197-03 0026 Multidisciplinary oecology research center - Pathophysiology and metabolism of the leukocyte (human, guinea pigs)
 ROICA-14532-02 Pathophysiology of leukemia in guinea pigs
 R26CA-15412-02 Diagnosis and treatment of bladder cancer in mice
 P13DE-02600-08 0008 Planning of a research center in oral biology - Nutrients and oral and paraoral structure (rats)
 P13DE-02623-08 0015 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias (rats, guinea pigs)
 P13DE-02623-08 0016 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias
 P13DE-02668-08 0009 Dental research center - Mineral metabolism (mammals, nonhuman)
 ** POIDE-02849-06 0024 Mechanism and treatment of periodontal disease - Effect of ascorbic acid on bone remodeling (mice)
 POIES-00040-10 0007 Environmental toxicology of pesticides - Nutritional and toxic stress interaction, lipid metabolism (birds)
 POIES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
 ROIEY-00170-05 Metabolism of the normal and abnormal ocular lens (rats, rabbits, mice)
 ROIFD-00560-01 Vitamin stability in dehydrated foods during storage
 ROIFD-00599-01 Dietary chelates and calcium metabolism (chicken, quail)
 ROIGM-12422-10 Inositol metabolism (plants, algae)
 POIGM-13543-09 0009 Cellular and molecular pathology - Influence of hormones on wound healing in humans (rats)
 ROIGM-16974-05 Sulfenic acids as enzyme functional group (pseudomonas)
 ** POIGM-17184-05 0011 Hereditary variations in man which modify drug toxicity - Ascorbic acid and drug metabolism (guinea pigs)
 ** ROIHD-06371-03 Dynamics of ovulation (rabbits, swine)
 ROIHD-07376-01 0001 Fibroblasts and connective tissues in development - Quantity and chemical nature of collagens in culture (WI-38)
 NOIHD-22784-03 Effect of oral contraceptives on nutritional status (human)
 NOIHD-22786-04 Interaction of contraceptive steroids with essential dietary nutrients (human, r
 NOIHD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
 ROIHL-07449-12 0002 Formation and survival of red blood cells - Red cell preservation in artificial media and in alkaline CDP (human, rabbits)
 ROIHL-14407-03 Renal endogenous acid transport-normal-hypertensive (dogs, monkeys)
 ROIHL-14534-03 Air pollutants-Lung physiology and lung biochemistry (human, guinea pigs)
 P17H-15103-03 0004 Specialized center of research-arteriosclerosis - Bogalusa family studies-Nutrition (children)
 ROIMH-05202-13 Comprehensive clinical studies of psychoactive drugs (human)
 ROINS-06163-09 Cerebral metabolism in newborn and young (children, mice)
 POINS-09704-04 0033 Developmental neurology - Cerebral solute transport and blood-brain barriers
 ** MOIRR-00071-11 0032 General clinical research center - Intestinal absorption of folic and ascorbic acids in sprue and ileitis (human)
 ** MOIRR-00080-12 0046 General clinical research center - Vitamin C requirements in myelodysplasia (human)
 ** MOIRR-00125-11 0205 General clinical research center-adult-child - Ascorbic acid in desferrioxamine induced iron excretion in thalassemia

VITAMIN C, DEHYDROASCORBIC ACID
 POIAM-13173-10 0009 Malignant and genetic alterations in human cells - Genetics (human)
 ** P17AM-17026-01 0018 Vanderbilt University Diabetes-Endocrinology Center - Membrane transport of ascorbic acid

VITAMIN C ANALOGS
 POIHD-05221-05 0027 Center grant in mental retardation - Neurophysiology

VITAMIN C DEFICIENCY
 SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C

VITAMIN D DEFICIENCY
 SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

VITAMIN D GROUP
 ** ROIAM-00709-21 Ultraviolet irradiation of natural products
 ROIAM-01483-18 Transport of calcium (human, hamsters, rats)
 ROIAM-06205-13 Parathyroid and bone metabolism (rats)
 ** POIAM-09650-10 0003 Hormonal and ionic control of metabolism - Metabolic control in isolated thyrocytes

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- ** P01AM-09650-10 0011 Hormonal and ionic control of metabolism 2 Mineral metabolism diseases and their treatment with ions and hormones (human)
- ** P01AM-09650-10 0013 Hormonal and ionic control of metabolism - Vitamin D metabolism in man
- ** P01AM-09650-10 0014 Hormonal and ionic control of metabolism - Therapy of osteoporosis (human)
- P01AM-09650-10 0015 Hormonal and ionic control of metabolism - Periodicities of endocrine function (human)
- P01AM-11794-06 Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon)
- R01AM-12491-06 Osteoporosis and isolated osteoclasts (rats, mice, rabbits)
- ** R01AM-14750-03 Vitamin D metabolism in humans (also chickens, rats, dogs)
- ** P01AM-14881-04 0001 Metabolism and function of fat-soluble vitamins - Metabolism of vitamins D2, D3 and D4 (chicks, rats, monkeys, swine)
- ** P01AM-14881-04 0002 Metabolism and function of fat-soluble vitamins - Synthesis of vitamin D analogs and their biological activity
- ** P01AM-14881-04 0006 Metabolism and function of fat-soluble vitamins - Intestinal calcium transport system synthesized in response to vitamin D (rats)
- ** P01AM-14881-04 0008 Metabolism and function of fat-soluble vitamins - Vitamin D and action of parathyroid hormone and calcitonin (rats)
- ** P01AM-14881-04 0010 Metabolism and function of fat-soluble vitamins - Vitamin D transport protein from plasma (rats, human)
- ** P01AM-14881-04 0011 Metabolism and function of fat-soluble vitamins - Clinical applications of vitamin D findings
- R01AM-16383-01 Microvillus dense bodies-Role in calcium absorption (rats)
- ** R01AM-17707-01 Vitamin D metabolism in man
- R01AM-18063-01 Parathyroid and bone metabolism (rats)
- M01AM-42207-00 Osteodystrophy and divalent ion in kidney failure (human)
- M01AM-92168-08 Renal osteodystrophy (human)
- P13DE-02668-08 0015 Dental research center - Mineral metabolism (chick embryo, rats)
- P11GM-15956-07 0005 Factors affecting the responses to drugs - Effect of fluoride on metabolic bone disease (human)
- ** P01GM-19489-03 0030 Study of human genetics - Family organized medical record system (FOMERS)
- ** R01GM-21248-01 0003 New applications of mass spectrometry in pharmacology - Excreted metabolites of vitamin D (human)
- R01HD-06106-03 Changes in cell type and structure in developing bone (rats)
- P17HL-14177-04 0007 Center for prevention and treatment of atherosclerosis - Ultrastructure of arterial cell injury and multiplication in cholesterol feeding
- ** M01RR-00036-14 0127 General clinical research center - Hydroxyvitamin D concentrations in health and disease (human)

VITAMIN D GROUP, DIHYDROTACHYSTEROL

SEE ALSO CHOLESTANE SERIES, ERGOSTEROL

SEE ALSO VITAMIN D GROUP, VITAMIN D2

- R01AM-00668-20 Calcium and phosphate transport (rats)
- R01AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
- ** P01GM-16492-06 0014 Design of chemotherapeutic agents - Mass spectrometry-Urinary conjugates of cholecalciferol and dihydrotachysterol
- R01GM-21248-01 0003 New applications of mass spectrometry in pharmacology - Excreted metabolites of vitamin D (human)
- M01RR-00044-14 0042 General clinical research center - Etiology of hypocalcemia in hypomagnesemic states (human)
- ** M01RR-00240-10 0103 General clinical research center-Children - Effect of ultra violet light on D and DHT metabolism

VITAMIN D GROUP, VITAMIN D

- ** R01AM-02131-17 0006 Trace lipids in cell function - Vitamin D
- M01AM-02219-06 Study hormonal regulation of bone metabolism (rats)
- R01AM-02534-16 Small intestinal absorption in malabsorption syndromes (rats)
- ** P02AM-04501-13 0012 Metabolic disease research center - Vitamin D assay (human)
- ** P02AM-04501-13 0019 Metabolic disease research center - Intestinal absorption of vitamin D and lipids (rats)
- ** P02AM-04501-13 0023 Metabolic disease research center - Control of protein synthesis by vitamin D
- P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- ** R01AM-05968-14 0002 Lipid metabolism (human, rats) - Transport and metabolism of vitamin D (human)
- R01AM-07266-11 Activation and inhibition in calcification (rats)
- R01AM-07867-11 Hormonal regulation of cellular calcium metabolism (human, rats)
- R01AM-09865-09 Hormonal regulation of bone cell metabolism (human, dogs, rats)

- R01AM-10849-08 Approaches to structurally modified steroids
- ** R01AM-11674-08 0007 Bone metabolism in chronic disorders - Human intestinal calcium-binding proteins
- R01AM-13696-06 0008 Hormones and calcium absorption - Estrogen administration and duodenal calcium transport
- ** R01AM-13696-06 0009 Hormones and calcium absorption - Effects of vitamin D on calcium influx into intestinal mucosa cells
- R01AM-14251-04 Mineral metabolism in postmenopausal osteoporosis (rats)
- ** R01AM-14571-04 Enzymatic mediation of intestinal calcium transport (dogs, rats)
- R01AM-14686-04 Intestinal calcium transport (human, rats)
- R01AM-15089-05 Sugar ingestion, calcium excretion and kidney stones (human)
- P01AM-15512-03 0002 University of Wisconsin program project in nephrology - Reduced nephron population (human)
- P01AM-15512-03 0005 University of Wisconsin program project in nephrology - Renal pharmacology (dogs)
- R01AM-16081-01 Parathyroid regulation and vitamin D activation
- R01AM-16408-01 Calcium binding protein of kidney (rats)
- R01AM-16539-02 Regulation of phosphate transport in toad bladder
- R01AM-16840-01 Stimulation and mechanisms of intestinal transport (rats)
- ** R01AM-16905-01 Vitamin D action-Effect of minerals (dogs, rats, chickens)
- R01AM-18087-01 Effect of guanidine derivatives on biological systems (mammals)
- M01AM-32208-02 Study of acid-base chemistry and human bone (also rats)
- P02CA-11067-05 0005 Clinical cancer research center - Renal tubular function (human)
- P02CA-11067-05 0006 Clinical cancer research center - Peptide indicators of cancer (human)
- P02CA-11198-06 0006 Cancer research center - Xanthine oxidase (dogs, human, mice)
- R01CA-14969-02 0007 Radionuclide studies of tumors and growth - Radionuclides for bone studies
- P01DE-01766-12 0006 Ultrastructure and physiology of oral mucosa - Pathology of keratinosomes in epidermal injury (human, mice, rats)
- P13DE-02623-08 0010 Center for oral health research - Mitochondrion and the mineralization process (chickens)
- P13DE-02623-08 0015 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias (rats, guinea pigs)
- P13DE-02623-08 0016 Center for oral health research - Ontogeny and repair of experimentally induced dysplasias
- P13DE-02668-08 0009 Dental research center - Mineral metabolism (mammals, nonhuman)
- R01DE-03725-02 Inflammation and bone resorption (human)
- R01HD-02803-07 Role of cells as depositors of calcium in bone (rats)
- R01HD-03429-06 Collagen biochemistry during bone remodeling and aging (dogs, rats, human)
- R01HL-10595-09 Biochemical aspects of renal electrolyte transport (dogs)
- M01RR-00036-14 0043 General clinical research center - Dietary lactose and intestinal absorption of Ca and vit D (human)
- M01RR-00036-14 0147 General clinical research center - Prevention of secondary hyperparathyroidism in renal disease (human)
- M01RR-00036-14 0160 General clinical research center - Calcium absorption and vitamin D metabolism in sprue (human)
- M01RR-00037-14 0132 General clinical research center - Renal function, growth and bone disease in children
- M01RR-00039-14 0037 General clinical research center - Pseudohypoparathyroidism (human)
- ** M01RR-00047-14 0021 General clinical research center - Fate of tritium labeled vitamin D in man
- M01RR-00051-13 0053 General clinical research center - Osteomalacia-Effect of Ca and PO4 infusions (human)
- M01RR-00058-13 0027 General clinical research center - Fluoride-calcium-vitamin D supplement in osteoporosis
- M01RR-00060-13 0014 General clinical research center - Effects of hormones and mineral salts on body composition (human)
- M01RR-00060-13 0034 General clinical research center - Renal osteodystrophy in patients on hemodialysis
- M01RR-00069-12 0065 General clinical research center, children - Treatment of vitamin D resistant rickets
- M01RR-00107-11 0058 General clinical research center - Pseudohypoparathyroidism and pseudopseudohypoparathyroidism (human)
- P06GR-00168-13 New England regional primate research center
- M01RR-00188-10 0081 General clinical research center for children - Development of rickets on normal dietary vitamin D
- ** M01RR-00240-10 0103 General clinical research center-Children - Effect of ultra violet light on D and DHT metabolism

- M01RR-00240-10 0105 General clinical research center-Children - Relationship of PTH to vitamin D metabolism
- ** M01RR-00287-08 0064 General clinical research center - Calcitonin, parathyroid hormone and vitamin D in osteoporosis (human)
- M01RR-00585-03 0008 General clinical research center - Sex hormones, calcium, vitamin D and sodium fluoride for osteoporosis (human)
- M01RR-00633-02 0009 General clinical research center - Control of serum calcium in dialyzed uremic patients
- M01RR-00827-01 0011 General clinical research center - Peptide hormones in calcium and skeletal metabolism (human)
- M01RR-00828-01 0004 General clinical research center - Renal stones (human)

VITAMIN D GROUP, VITAMIN D2

SEE ALSO CHOLESTANE SERIES, ERGOSTEROL

- SEE ALSO VITAMIN D GROUP, DIHYDROTACHYSTEROL
- R01AM-00668-20 Calcium and phosphate transport (rats)
- P02AM-05630-12 0005 Metabolic unit for the Department of Medicine - Metabolic consequences of uremia (human)
- P01AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
- ** R01AM-17459-01 Environmental light calciferol and calcium homeostasis (swine, human)
- R01GM-21174-01 Solid state reactions in medicinal chemistry
- M01RR-00044-14 0042 General clinical research center - Etiology of hypocalcemia in hypomagnesemic states (human)
- M01RR-00046-14 0023 General clinical research center - Vitamin D-resistant rickets (children)
- M01RR-00060-13 0034 General clinical research center - Renal osteodystrophy in patients on hemodialysis

VITAMIN D GROUP, VITAMIN D3

- R01AM-00668-20 Calcium and phosphate transport (rats)
- R01AM-04652-14 Intestinal absorption of mineral ions (chickens)
- P02AM-05630-12 0004 Metabolic unit for the Department of Medicine - Chronically diseased kidney (human)
- P02AM-05630-12 0005 Metabolic unit for the Department of Medicine - Metabolic consequences of uremia (human)
- ** R01AM-09012-10 Studies on vitamin D and calcium metabolism (human, animals)
- ** P01AM-09650-10 0002 Hormonal and ionic control of metabolism - Vitamin D mode of action and metabolism (chickens, human, rats)
- ** R01AM-11674-08 0001 Bone metabolism in chronic disorders - Studies in vitamin D3 metabolism (human, rats)
- R01AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
- ** P01AM-14881-04 0004 Metabolism and function of fat-soluble vitamins - Subcellular location of tritiated vitamin D3, 25 OH and its metabolites (rat)
- R01AM-15355-04 Synthesis and function of calcium binding protein (chick embryo)
- P01AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
- ** R01AM-15781-03 Function of vitamin D metabolites and bone disease (human, dogs, chickens)
- R01AM-16502-03 Mineral transport in teeth and soft tissues (rats)
- ** R01AM-16595-01 Preparation of vitamin D analogs and metabolites (human, rats, dogs, chickens)
- R01AM-16885-01 Calcium homeostasis-Endocrine and comparative aspects (rats, birds)
- ** R01AM-17057-01 Synthesis of vitamin D3 metabolites
- R01AM-17459-01 Environmental light calciferol and calcium homeostasis (swine, human)
- R01AM-18072-01 Calcium homeostasis-Endocrine and comparative aspects (quail, rats, chipmunks)
- M01AM-42207-00 Osteodystrophy and divalent ion in kidney failure (human)
- R01ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)
- ** P01GM-16492-06 0014 Design of chemotherapeutic agents - Mass spectrometry-Urinary conjugates of cholecalciferol and dihydrotachysterol
- R01GM-21248-01 0003 New applications of mass spectrometry in pharmacology - Excreted metabolites of vitamin D (human)
- ** R01HD-05056-03 Metabolism and protein-binding of radiolabeled vitamin D3 (human, monkeys, rats)
- R01HL-09921-09 0014 Mechanisms of congestive heart failure - Aldosterone and radiolabeled sulfur in kidney
- R01NS-10262-03 Anticonvulsant and psychoactive drug-induced osteomalacia (human, rats)
- M01RR-00031-14 0015 General clinical research center - Cellular basis of bone disorders (human)
- ** M01RR-00036-14 0161 General clinical research center - Effect of glucocorticoids on vitamin D3 absorption and metabolism (human)
- ** M01RR-00036-14 0162 General clinical research center - D3 absorption in patients with chronic renal disease
- ** M01RR-00062-12 0019 Clinical research center, children - Hypophosphatemia and vitamin D resistant rickets

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL N (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- ** MO1RR-00063-12 0025 General clinical research center - Kinetics of vitamin D3 H3 in tropical sprue
- ** MO1RR-00086-12 0031 General clinical research center-children - Vitamin D metabolism in vitamin D resistant rickets
- PO6RR-00166-14 Regional primate research center at University of Washington
- MO1RR-00828-01 0001 General clinical research center - Long term corticosteroid therapy (human)
- ** MO1RR-00828-01 0003 General clinical research center - Effect of magnesium depletion on vitamin D metabolism (human)
- VITAMIN D GROUP, VITAMIN D3 ACTIVATED**
- ** RO1AM-05968-14 0002 Lipid metabolism (human, rats) - Transport and metabolism of vitamin D (human)
- ** RO1AM-13696-06 0010 Hormones and calcium absorption - Kidney cyclic AMP levels in regulating 1,25-dihydroxycholecalciferol
- RO1AM-14570-04 Vitamin D3 synthesis and metabolism in man (rats)
- ** PO1AM-15512-03 0010 University of Wisconsin program project in nephrology - Metabolic consequences of uremia (human, rats, chickens)
- RO1AM-16595-01 Preparation of vitamin D analogs and metabolites (human, rats, dogs, chickens)
- RO1AM-17057-01 Synthesis of vitamin D3 metabolites
- RO1ES-00777-03 Metabolism and biochemical actions of cadmium (rats, chickens)
- RO1HL-04868-14 Physiological studies on the isolated perfused kidney (rabbits)
- MO1RR-00036-14 0129 General clinical research center - Anti-convulsant and psychoactive drug induced osteomalacia (human)
- MO1RR-00051-13 0056 General clinical research center - Regulation of Ca and phosphorus metabolism (human)
- ** MO1RR-00051-13 0133 General clinical research center - Calcium hyperabsorption (human)
- MO1RR-00062-12 0019 Clinical research center, children - Hypophosphatemia and vitamin D resistant rickets
- MO1RR-00305-08 0089 Clinical research center for children - The Fanconi syndrome, including cystinosis
- VITAMIN D GROUP, VITAMIN D3,25-HYDROXY-**
- RO1AM-09096-09 Nutritional influences on bone (human, rats)
- RO1AM-16081-01 Parathyroid regulation and vitamin D activation
- RO1HD-06458-02 Neonatal mineral metabolism
- ** MO1RR-00036-14 0194 General clinical research center - Effects of 25-hydroxycholecalciferol on Ca and P absorption in renal disease (human)
- MO1RR-00062-12 0019 Clinical research center, children - Hypophosphatemia and vitamin D resistant rickets
- MO1RR-00096-14 0055 Clinical research center - Vitamin D resistant rickets response to 25-chloroxycholecalciferol (human)
- ** MO1RR-00318-08 0070 General clinical research center - 25 Hydroxycholecalciferol for bone disease of calcium malabsorption (human)
- VITAMIN D**
SEE VITAMIN D GROUP, VITAMIN D
- VITAMIN D2**
SEE VITAMIN D GROUP, VITAMIN D2
- VITAMIN D3**
SEE VITAMIN D GROUP, VITAMIN D3
- VITAMIN D3 ACTIVATED**
SEE VITAMIN D GROUP, VITAMIN D3 ACTIVATED
- VITAMIN D RESISTANT RICKETS**
SEE KIDNEY DISORDERS, RENAL RICKETS
SEE METABOLIC DISORDERS INBORN, VITAMIN D RESISTANT RICKETS INBORN
- VITAMIN D RESISTANT RICKETS, FANCONI SYNDROME**
SEE METABOLIC DISORDERS INBORN, DE TONI-FANCONI SYNDROME
- VITAMIN E**
- ** RO1AM-02131-17 0005 Trace lipids in cell function - Vitamin E (rats)
- RO1AM-06424-12 Nutritional function of selenium (rats)
- RO1AM-08397-14 Oxidase inhibitors in vitamin E deficiency (rats, chickens)
- ** RO1AM-09933-17 Free radical lipid peroxidation damage (human, rodents, birds)
- ** RO1AM-09992-09 Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** RO1AM-14508-05 Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits)
- ** PO1AM-14881-04 0014 Metabolism and function of fat-soluble vitamins - Studies on vitamin E (rodents, chickens, sheep)
- ** RO1AM-16350-02 Vitamin E metabolism in skin (rats)
- RO1AM-16830-01 Renal cryopreservation (dogs)
- RO1CA-11447-06 Effect of hyperoxia on normal and neoplastic cells (dogs, mice, human)
- RO1CA-12164-03 The biological function of selenium
- PO2CA-13943-02 0019 Clinical pharmacology immunology cancer research center - Biology of preneoplastic livers and liver tumors (mice)
- ** RO1CA-14221-02 Antioxidants in senescing and in neoplastic cells (mammals)
- PI0ES-00260-12 0019 Research in the environmental health sciences - Biochemical effects of oxidant air pollutants (human, mice, rats)
- PO1ES-00628-04 0001 Pulmonary effects of environmental oxidant pollutants - Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys)
- RO1ES-00645-03 Toxicant action of ozone in mammalian tissues (rats)
- ** RO1ES-00798-03 Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice)
- PO1ES-00842-02 0005 Chronic obstructive lung disease - Vitamins E and A in pathogenesis of nitrogen dioxide induced lung disease (rats)
- RO1ES-01041-01 0007 Photosensitivity - Systemic photoprotective agents (mice)
- ** RO1ES-01057-01 Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice
- RO1EY-00169-04 Electrophysiological studies of retinal degenerations (human, cats, rats)
- RO1EY-00225-13 Studies on lens metabolism (rats, rabbits)
- ** RO1HD-06962-02 Effect of dietary PUFA-vitamin E on dam and progeny (swine)
- RO1HD-07714-01 Biological reactions of laser generated singlet oxygen
- ** RO1HD-08210-01 Vitamin E - New bioassay, new effects, new compound (rotifers)
- NO1HD-22784-03 Effect of oral contraceptives on nutritional status (human)
- ** NO1HD-22785-01 Interaction of contraceptive steroids with vitamin E (human, rats)
- NO1HD-22788-04 Relationship of contraceptive steroids to nutritive state (human)
- ** RO1HL-06481-12 Lipid metabolism (human, rats)
- PO1HL-10098-10 0023 Primates in cardiovascular research - Lipid metabolism
- PO1HL-10098-10 0028 Primates in cardiovascular research - Behavioral studies of infant monkeys
- RO1HL-16029-01 Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke
- RO1HL-16707-01 Dietary antioxidants and atherosclerosis (rabbits)
- MO1RR-00030-13 0046 General clinical research center - Pseudoxanthoma elasticum (human)
- ** MO1RR-00063-12 0058 General clinical research center - Tocopherol levels in normal and tropical pediatric patients
- MO1RR-00086-12 0006 General clinical research center-children - Preventing intertransfusion anemia in patients with thalassemia major
- ** MO1RR-00722-02 0010 General Clinical Research Center - Role of vitamin E in human porphyrin metabolism
- VITAMIN E DEFICIENCY**
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS E
- VITAMIN G**
SEE FLAVIN NUCLEOSIDES, RIBOFLAVIN
- VITAMIN H**
SEE VITAMIN B, BIOTIN
- VITAMIN K**
- RO1AI-03046-15 Electron transport in microorganisms (bacteria, Protozoa)
- ** RO1AM-09992-09 Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses)
- R22AM-11044-08 Etiology of nutritional anemias in Thailand (human)
- ** PO1AM-14881-04 0013 Metabolism and function of fat-soluble vitamins - Studies on vitamin K (rats, hamsters, cattle)
- RO1AM-14893-04 Action of near-ultraviolet radiation on cells (bacteria)
- ** RO1AM-17607-01 Fat soluble vitamins absorption emphasizing vitamin K (rats, human)
- RO1GM-19275-03 Studies of warfarin-drug interactions (human, dogs)
- PI1GM-20852-01 0006 Clinical pharmacokinetics and biopharmaceutics - Kinetics of drug action-Anticoagulants (rats, human)
- NO1HD-22787-02 Biochemical mechanisms of contraceptive steroid-induced abnormalities (rats)
- ** NO1HD-22791-02 Contraceptive steroids and vitamin K
- RO1HL-06128-14 Relationships between coagulability and thrombosis (human, rabbits, monkeys)
- ** RO1HL-14847-03 Anticoagulants and metabolism of vitamin K
- RO1HL-15381-03 The activation of prothrombin (dogs)
- RO1HL-15619-02 Regulation of prothrombin synthesis in cultured cells (human, rats)
- RO1HL-15630-02 The pharmacology of coumarin (rats)
- ** RO1HL-15728-02 The carbohydrate of the blood-clotting glycoproteins (human)
- ** PO1HL-16126-01 0004 Atherosclerosis, coagulation and thrombosis - Vitamin K and prothrombin biochemistry and biosynthesis (cattle, human)
- ** RO1HL-16515-01 Vitamin K and human prothrombin (and animals)
- ** RO1HL-16912-01 The role of vitamin K in prothrombin biosynthesis (rats)
- VITAMIN K DEFICIENCY**
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS K
- VITAMIN K1**
RO1AM-09992-09 Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses)
- VITAMIN K2**
** RO1GM-20053-10 Biochemical C-methylation of aromatic compounds (bacteria)
- RO1GM-20662-02 Formation of electron transport in Hemophilus
- VITAMIN K3**
RO1AM-02131-17 0005 Trace lipids in cell function - Vitamin E (rats)
- RO1AM-09992-09 Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses)
- VITAMIN M**
SEE FOLIC ACID
- VITAMIN P**
SEE FLAVONOIDS
- VITAMIN PP**
SEE PYRIDINAMIDES, NICOTINAMIDE
- VITELLINS**
SEE PHOSPHOPROTEINS, VITELLINS
- VITILIGO**
SEE SKIN DISORDERS, VITILIGO
- VITREOUS BODY**
SEE EYE, VITREOUS BODY
- VITREOUS HEMORRHAGE**
SEE EYE CIRCULATORY DISORDERS, RETINAL (INCLUDING VITREOUS) HEMORRHAGE
- VIVIDIALYSIS**
SEE BODY FLUID BALANCE THERAPY, DIALYSIS (THERAPEUTIC)
- VLDL (LIPOPROTEINS)**
SEE LIPOPROTEINS BLOOD, VLDL
- VMA**
SEE PHERYLACETIC ACIDS, 3-METHOXY-4-HYDROXYMANDELIC ACID
- VOACANGA ALKALOIDS**
SEE ALKALOIDS, IBOGA AND VOACANGA
- VOCABULARY**
SEE INFORMATION AND COMMUNICATION, VOCABULARY
- VOCAL CORDS**
SEE RESPIRATORY SYSTEM, LARYNX, VOCAL CORDS
- VOCALIZATION**
SEE INFORMATION-COMMUNICATION BEHAVIOR, VOCALIZATION
- VOCATIONAL GUIDANCE**
SEE OCCUPATIONS, VOCATIONAL GUIDANCE
- VOCATIONAL REHABILITATION**
SEE HEALTH CARE SERVICES, REHABILITATION VOCATIONAL
- VOGT-SPIELMEYER SYNDROME**
SEE METABOLIC DISORDERS INBORN, NEURONAL CEROID-LIPOFUSCINOSIS, JUVENILE
- VOICE**
SEE INFORMATION AND COMMUNICATION, VOICE
- VOICE PRODUCTION, ALARYNGEAL**
SEE INFORMATION-COMMUNICATION DISORDERS, VOICE PRODUCTION, ALARYNGEAL
- VOICE SYNTHESIZER**
SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER
- VOLUNTARY HEALTH ORGANIZATIONS**
SEE HEALTH AND SCIENTIFIC ORGANIZATIONS, VOLUNTARY HEALTH ORGANIZATIONS
- VOLUNTARY MENTAL HEALTH ORGANIZATIONS**
SEE MENTAL HEALTH ORGANIZATIONS, VOLUNTARY
- VOLUNTEERS**
SEE OCCUPATIONS, VOLUNTEERS
- VOMITING**
SEE GASTROINTESTINAL DISORDERS, EMESIS
- VON WILLEBRAND'S DISEASE**
SEE BLOOD COAGULATION DISORDERS, VON WILLEBRAND'S DISEASE

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**Oriented significantly to above subject.
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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

(cont'd)

VULVAL NEOPLASMS

SEE REPRODUCTIVE SYSTEM NEOPLASMS FEMALE, VULVAL NEOPLASMS

VULVITIS

SEE REPRODUCTIVE SYSTEM DISORDERS FEMALE, VULVITIS

WAGES

SEE SOCIOECONOMICS, INCOME

WAITING TIME FOR APPOINTMENTS (PATIENTS)

SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION, APPOINTMENTS, WAITING

WAKEFULNESS

SEE PSYCHIC ACTIVITY LEVEL, WAKEFULNESS

WALDENSTROM'S DISEASE

SEE SKELETAL DISORDERS, OSTEOCHONDRITIS (DEFORMANS)

WALDENSTROM'S MACROGLOBULINEMIA

SEE BLOOD PROTEINS DISORDERS, MACROGLOBULINEMIA, WALDENSTROM'S

WALKER CARCINOMA 256

SEE NEOPLASMS, CARCINOMA 256, WALKER

WALLERIAN DEGENERATION

SEE NERVOUS DISORDERS, NERVES DEGENERATION, WALLERIAN

WALRUS

SEE MAMMALS, CARNIVORES AQUATIC*

WAR-PEACE

SEE SOCIAL PROBLEMS, WAR-PEACE

WARDS

SEE HOSPITALS, WARDS

WARFARIN

SEE BENZO-ALPHA-PYRONES, WARFARIN

WARTS

SEE SKIN NEOPLASMS, VIRUS WARTS

WARTS VIRUS HUMAN

SEE VIRUSES, PAPOVAVIRUSES, WARTS VIRUSES

WASPS (GENERAL)

SEE ARTHROPODS, INSECTS, HYMENOPTERA*

WASTE DISPOSAL

SEE ENVIRONMENTAL HEALTH, WASTE DISPOSAL

WASTES, INDUSTRIAL

SEE ENVIRONMENTAL HEALTH, WASTES INDUSTRIAL

WASTES, RADIOACTIVE

SEE RADIOLOGICAL HEALTH, RADIOACTIVE WASTES

WATER

SEE ALSO BODY FLUID BALANCE, BODY WATER
SEE ALSO CELL FLUIDS, CELL WATER
SEE ALSO CHEMICAL REACTIONS, HYDRATION
SEE ALSO CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS
SEE ALSO PHYSICAL PROPERTIES, SOLUTIONS, AQUEOUS

- RO1AM-02896-14 The surface chemistry of bone mineral
- RO1AM-03858-14 Control of water and solute movement across cell
- RO1AM-09171-10 Organic studies and the mechanism of enzyme action
- RO1AM-09280-10 Gastrointestinal absorption in the herbivore (ruminants)
- RO1AM-13844-05 Functional structure of renal tubule (dogs, neotomas)
- RO1AM-16258-02 Mechanism of eccrine sweat gland function (human, cats, monkeys)
- RO1AM-16327-02 Microtubules and filaments in action of vasopressin (frogs)
- RO1AM-16352-01 Catecholamines, ADH, and water metabolism (rats)
- PO1AM-17110-07 0010 Program project in biomaterials calcified tissue - Solvent and conformation
- RO1AM-17676-01 Regulation of electrolyte water and acid-base balance
- PO2CA-05826-13 0065 Clinical cancer research center - Hypermotility in cancer patients
- PO1CA-08748-09 5506 Research program of Sloan-Kettering Institute - Effects of high energy neutron sources in tissue-like media
- RO1DE-00433-18 Influence of fluoride on wettability and restoratives (human)
- P13DE-02600-08 0023 Planning of a research center in oral biology - Human epidermal differentiation
- RO1DE-03187-04 Transport in enamel and solubility of fluoridated apatites (human)
- RO1DE-03480-03 Capillary phenomena related to caries sites
- RO1FD-00050-12 Water content and lipid oxidation in dehydrated foods
- RO1FD-00149-12 Sanitation of freeze-dried foods (bacteria)
- RO1GM-10906-13 Statistical mechanics of biological macromolecules
- RO1GM-14312-20 Internal bonding in proteins

- PI1GM-15956-07 0066 Factors affecting the responses to drugs - In vivo kinetics of drug absorption from the bladder of rabbits
- RO1GM-18348-03 Mutagenic mechanisms
- RO1GM-19267-03 Hydration of macromolecules (bacteria, viruses)
- RO1GM-20336-01 Hydrocarbon-water contact, a biorganic approach
- RO1HD-06695-03 Physiology of sperm maturation (boar, human)
- RO1HL-09676-09 Thermal regulation during water immersion of man
- RO1HL-13989-03 Role of water in respiratory protein structure
- PO1HL-14414-03 0004 Cardiorespiratory performance and environmental factors - Role of diffusion in gas exchange (chicken egg)
- RO1HL-14945-02 Modeling of renal sodium and water transport (rats)
- RO1HL-16660-03 Cholesterol and other lipids in membrane function (protozoa)
- PO1HL-16833-01 0006 Hemoglobin and red cell system in hemoglobinopathies - Role of water in function of hemoglobin and myoglobin (human)
- RO1MH-18421-05 Drugs effects on behavior maintained by aversive events (primates)
- RO1NS-02763-14 Molecular association of barbiturates in crystals
- RO1NS-07336-07 Experimental metabolic encephalopathies (rats, dogs)
- MO1RR-00056-13 0056 General Clinical Research Center - Amino acid, sodium and water absorption in diarrhea (human)
- PO7RR-00636-02 0008 Special resource for NMR studies in biomolecules - Factors affecting electron transfer

WATER, DEUTERIUM OXIDE

- RO1DE-03246-05 Biochemical mechanisms relevant to dental research (E coli)
- RO1GM-19991-02 Aqueous solvent isotope effects - Permanent gas solutes
- RO1HD-04290-04 Structure and function of epididymis and vas deferens (rodents)

WATER, ICE

- RO1GM-20284-02 Theory of polar liquids and solutions

WATER, TRITIUM OXIDE

- RO1CA-13080-03 Comparative carcinogenicity of tritium (mice)

WATER BREATHING

SEE RESPIRATORY FUNCTION, LIQUIDS BREATHING

WATER-ELECTROLYTE BALANCE

SEE BODY FLUID BALANCE, IONIC

WATER ENVIRONMENT, AQUATIC BIOLOGY

- SEE ALSO ALGAE*
 - SEE ALSO COELETERATES*
 - SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS, WATER MICROBIOLOGY
 - SEE ALSO FISH*
 - SEE ALSO MAMMALS, CARNIVORES AQUATIC*
 - SEE ALSO MOLLUSKS*
 - SEE ALSO SPONGES
 - SEE ALSO WATER ENVIRONMENT, PLANKTON
 - PO1AM-17433-01 0028 Cardiovascular, metabolic aspects of membrane transport - Control of glomerular filtration in the teleost (trout)
 - RO1DE-03424-03 Ultrastructural studies of calcification (mollusks, sponges, corals, algae)
 - PO1ES-00054-10 0011 Environmental impact of chlorinated hydrocarbons - Translocation of hydrocarbons in aquatic food chain (algae, insects, fish)
 - PO1ES-00054-10 0013 Environmental impact of chlorinated hydrocarbons - Polychlorinated biphenyls in an aquatic environment (fish, lobsters, crayfish)
 - PI0ES-00210-07 0028 Center for environmental management - DDT and growth and carbon fixation of *S. capricornutum*
 - RO1HD-00850-17 Sexual hormones of *Achlya bisexualis*
 - PO1HL-08805-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish - Estivation and submersion
 - RO1HL-09676-09 Thermal regulation during water immersion of man
 - PO1HL-14414-03 0013 Cardiorespiratory performance and environmental factors - Body temperature and pH regulation (invertebrates, bullfrogs)
 - NO1HR-40044-00 0073 - NATIONAL COOPERATIVE PROGRAM
- WATER ENVIRONMENT, AQUATIC ORGANISMS, FRESH WATER***
- SEE ALSO AMPHIBIANS*
 - SEE ALSO PROTOZOA, SARCODINA, NAEGLERIA
 - RO1AM-15403-03 RBC differentiation (newts)
 - RO1AM-16282-02 Hypothalamic regulation of pars intermedia function (animals)
 - RO1EY-00355-07 Behavioral visual function (turtles, pigeons)
 - RO1EY-00405-07 Sensory mechanisms in visual orientation (fish, crustaceans, insects)

- RO1EY-00698-04 Etiology of cataract (frogs, mice)
- RO1GM-18640-03 Mechanism of pinocytosis (amoeba)
- RO1HD-07382-03 Development of cell shape in embryonic epithelia (marine fish, salamanders)
- RO1HL-14523-04 Generation and regulation of force in smooth muscle (animals)
- RO1NS-01615-16 Nitrogen metabolism of nervous tissue (animals)
- RO1NS-07065-08 Properties of isolated acetylcholine receptor (electric fish)
- RO1NS-07681-07 Physiology of muscle function (frogs, amoeba)
- RO1NS-08411-06 Mechanisms of plasticity in neuronal connections (cats, frogs)
- RO1NS-08773-04 Transmembrane metabolic control of water and ion flow in axons (crayfish)
- RO1NS-09475-04 Transport and membrane circulation in nervous tissue (animals)
- RO1NS-10277-02 Mechanisms of variable synaptic efficacy (frogs)

WATER ENVIRONMENT, AQUATIC ORGANISMS, MARINE*

- SEE ALSO ARTHROPODS, ARACHNIDS, HORSESHOE CRAB*
- SEE ALSO BIRDS, MARINE*
- RO1AI-06927-09 Cellular specificity in delayed hypersensitivity (starfish, guinea pigs)
- RO1AI-10679-03 Comparative transplantation immunogenetics (sharks, turtles)
- RO1AI-10726-03 Complement and natural antibodies in elasmobranchs (sharks, rodents, dogs)
- RO1AM-02528-15 X-ray structure analysis of biological molecules (marine animals, legumes)
- RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
- PO1AM-05996-13 0024 Biochemistry of connective tissues - Structure and function of acid mucopolysaccharides
- RO1AM-06011-13 0006 Diet control of lipid metabolism - Effect of dietary lipids on lipogenesis in fish
- RO1AM-09059-11 Physiology of pancreatic islets and action of alloxan (toadfish)
- PO1AM-09650-10 0010 Hormonal and ionic control of metabolism - Biochemistry of mitochondria using the axoplasm (squids)
- RO1AM-14184-05 Organoselenium compounds-Biosynthesis and function (rats)
- RO1AM-15876-03 Myofibrillar lattice-Morphology and function (decapods)
- RO1AM-15972-03 Excretory and osmoregulatory mechanics (reptiles, mammals, fish, amphibians)
- RO1AM-16065-03 Primary structures of growth hormones and prolactins (human, vertebrates)
- RO1AM-16793-01 Regulation of metabolism
- PO1CA-06927-12 0021 Biological and biochemical program in cancer research - Cytodifferentiation (sea urchins)
- RO1CA-10171-09 Submicroscopic structure of living cells (marine biology)
- RO1CA-11033-05 Physiologically active compounds from marine organisms
- RO1CA-12308-03 Isolation of animal cells containing suppressor tRNAs (hamsters, rabbits)
- RO1CA-13605-03 Determinants of malignant and embryonic cell behavior (chordates, ctenophores)
- PO1CA-15655-01 0022 Cancer center support grant - Growth regulation and rRNA synthesis (sea urchins)
- PO1CA-15655-01 0023 Cancer center support grant - rRNA metabolism during contact inhibition (sea urchins)
- PO1CA-15655-01 0029 Cancer center support grant - Cancer chemotherapeutic agents from marine organisms (coelenterates)
- PO1CA-15655-01 0030 Cancer center support grant - Influence of egg cortex factors on differentiation (squid)
- PO1CA-15655-01 0031 Cancer center support grant - Marine environment program
- RO1CA-16267-01 Chemical investigation of Hawaiian marine algae
- RO1DE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
- P13DE-02668-08 0003 Dental research center - Mineral metabolism (mollusks)
- RO1DE-03424-03 Ultrastructural studies of calcification (mollusks, sponges, corals, algae)
- PO1ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amino acid metabolism (rats, fish)
- PO1ES-00040-10 0012 Environmental toxicology of pesticides - Effects of dieldrin on aquatic animals (fish)
- PO1ES-00054-10 Environmental impact of chlorinated hydrocarbons
- PO1ES-00454-06 Biological effects of environmental agents
- RO1ES-00854-03 Chemical nature and mode of action of Cnidarian toxins (rats, guinea pigs)
- RO1ES-00994-01 Biodegradation of phthalic acids and esters
- RO1EY-00258-11 Cytology and physiology of the retina (animals)
- PO1EY-00299-09 0006 Neurophysiology of the visual apparatus - Oculomotor integration (decapods)
- RO1EY-00323-09 Environmental light and visual pigments (fish)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

- RO1EY-00405-07 Sensory mechanisms in visual orientation (fish, crustaceans, insects)
 RO1EY-00495-06 Photobiology and vision (fish, birds)
 RO1EY-00621-04 Functional organization of the visual system (mice)
 RO1EY-00681-04 Fine structure of oxygen elevating tissues of eye (fish)
 RO1EY-00762-03 Transduction mechanism of photoreceptors (barnacles)
 RO1EY-00764-03 Transduction and neural mechanisms in the retina (horseshoe crabs)
 RO1EY-00835-03 Anatomy and physiology of vision (arthropods)
 RO1GM-14363-09 Molecular biology of fertilization and early mitosis (sea urchins)
 RO1GM-17991-03 Microtubular systems (protozoa)
 RO1GM-17995-03 Embryonic chromosomal proteins and their RNA templates (sea urchins)
 RO1GM-19247-03 Biochemical basis for establishment of cell polarity (algae)
 RO1GM-19464-03 Ultrastructure and biochemistry of contractile ring (plants, animals, human)
 RO1GM-19519-03 Characterization of dinoflagellate DNA
 RO1GM-19537-03 Structural and functional organelle interactions (algae, protozoa)
 RO1HD-01031-10 Maternofetal barrier and fetal metabolism (humans, primates, sharks)
 PO1HD-03015-08 0011 Program for developmental biology - Development of neuronal pathways (lobsters)
 PO1HD-03015-08 0031 Program for developmental biology - Stomatogastric, stellate and cardiac ganglions (squids, lobsters)
 RO1HD-03753-06 Control of protein synthesis during embryogenesis (sea urchins)
 RO1HD-04015-06 Regulation of gene expression in development (sea urchins, slime molds)
 PO1HD-06274-03 0005 Reproductive biology - Membrane structural changes during fertilization (sea urchins)
 RO1HD-06351-03 Neurohypophysial hormones-Structure-activity and phyla
 PO1HD-06645-03 0011 Center for population research - Regulation of nucleic acids, enzymes during differentiation (sea urchin)
 PO1HD-06645-03 0017 Center for population research - Control of differentiation of the eukaryotic cell (sea urchins, amphibians)
 RO1HD-06727-03 Messenger RNA translation during embryogenesis (sea urchins)
 RO1HD-07382-03 Development of cell shape in embryonic epithelia (marine fish, salamanders)
 RO1HL-09283-10 Pharmacology of molluscan hearts
 RO1HL-12326-07 Respiratory proteins-Structure and function (squid, crabs, worms)
 PO1HL-13480-04 0020 Cardiac electrophysiology - Barnacle photoreceptor cells
 RO1HL-13882-03 Structure and properties of hemoglobin (sea cucumber)
 PO1HL-14580-03 0004 Program project in respiratory mechanics - Comparative mammalian respiratory mechanics
 RO1NS-01687-16 Neuropharmacology of the postsynaptic membrane (aplasia)
 PO1NS-02253-15 0003 Neurophysiological and neurochemical studies - Synaptic chemistry in the nervous system (lobster)
 RO1NS-03437-13 Physiology and pharmacology of excitable membranes (squid, crayfish, lobster)
 PO1NS-03798-12 0001 The nature of hearing - Hair cell stimulation (lizards, frogs, turtles, birds)
 PO1NS-03798-12 0005 The nature of hearing - Hearing in lower vertebrates (fish, amphibians)
 RO1NS-05264-10 Significance of neuronal discharge parameters (mollusks, fish)
 RO1NS-07071-08 Mechanisms of innate and entrained patterns in neurons (Aplysia)
 RO1NS-07474-07 Electrical and contractile properties of muscle (squid)
 RO1NS-07626-13 Tracer fluxes and net fluxes across cell membranes (squid)
 RO1NS-07734-06 Electrical excitation in giant axons (electric fish, squid)
 RO1NS-07848-07 Synaptic chemistry in the nervous system (lobsters)
 RO1NS-08281-04 Correlation of structure and function in muscle (squid, shrimp)
 RO1NS-08443-06 Peripheral and central modulation of specific neurons (Aplysia)
 RO1NS-08444-06 Post-synaptic electroplaque membrane (eel)
 RO1NS-08610-04 Neural activity and behavior (barnacles)
 RO1NS-08951-06 Permeability mechanisms in excitable membranes (squid)
 RO1NS-09040-05 Photosensitization of giant axons (lobsters)
 RO1NS-09474-04 Integrative mechanisms in ganglia (decapods)
 RO1NS-09608-05 Biochemical aspects of nerve function (rats)
 RO1NS-09632-03 Transmitter release in a central nervous system (sea lamprey)
 RO1NS-09694-03 Studies of communication (dolphin)

- RO1NS-09784-03 Effect of epileptogenic drugs on membrane properties (squid)
 PO1NS-10299-03 0008 Biophysical and biochemical studies of cellular membranes - Octopus central nervous system
 RO1NS-10336-03 Components controlling behavior (coelenterates, insects)
 RO1NS-10489-03 Nerve excitation-Molecular mechanisms (squid)
 PO1NS-11255-01 0001 Comparative neurobiology (aplysia, fish, sea lions) - Neurophysiological correlates of long-term sensitization in aplysia
 PO1NS-11255-01 0002 Comparative neurobiology (aplysia, fish, sea lions) - Neurobiology of reproduction in aplysia
 PO1NS-11255-01 0003 Comparative neurobiology (aplysia, fish, sea lions) - Chemoreception and behavior of marine invertebrates
 PO1NS-11255-01 0007 Comparative neurobiology (aplysia, fish, sea lions) - Comparative nervous system control mechanisms in fish
 ** RO1NS-11276-01 Electromagnetic field orientation (marine fish)

WATER ENVIRONMENT, AQUATIC ORGANISMS, UNSPECIFIED*

- RO1EY-00017-08 Electric sign of single photoreceptors (fish, lizards, turtles)
 RO1EY-00495-06 Photobiology and vision (fish, birds)
 RO1EY-00898-03 Function of neuron networks in vertebrate visual system (catfish)
 RO1NS-08775-05 Mechanisms of taste function (fish)
 RO1NS-10600-02 Role of pineal organ in brain function (fish)

WATER ENVIRONMENT, BENTHOS

- RO1HL-15460-02 Hemoglobin system (trout)

WATER ENVIRONMENT, COASTAL WATERS

- PIOES-00260-12 0013 Research in the environmental health sciences - Radiocesium in the Hudson River estuary (fish)
 RO1FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)

WATER ENVIRONMENT, DIVING

SEE ALSO ENVIRONMENT, ATMOSPHERIC PRESSURE, COMPRESSION-DECOMPRESSION

SEE ALSO INJURIES, DYSBARISM

- PO1GM-16058-09 0009 Biosensor and subject monitoring system development - Underwater telemetry (human)
 PO1HL-07896-13 0002 Environmental biomedical research program - Respiration (human, fish)
 ** PO1HL-07896-13 0008 Environmental biomedical research program - Auditory physiology and hyperbaric oxygenation (human, animals)
 ** PO1HL-07896-13 0009 Environmental biomedical research program - Decompression (human, rats, goats, fish)
 ** PO1HL-07896-13 0015 Environmental biomedical research program - Heat and mass transfer at simulated depths breathing helium (human)
 ** PO1HL-07896-13 0021 Environmental biomedical research program - Pulmonary mechanics, liquid breathing and gas exchange (human)
 PO1HL-08805-10 0006 Cardiovascular and pulmonary performance - Adaptation of lungfish-Estivation and submersion
 ** PO1HL-08886-11 0048 Radiology-physiology cardiovascular research - Diving bradycardia as a factor in underwater blackout (human)
 M PO1HL-08899-10 Oxygenation and oxygen effects in man
 PO1HL-08899-10 0016 Oxygenation and oxygen effects in man - Oxygen tolerance in man
 PO1HL-08899-10 0020 Oxygenation and oxygen effects in man - Oxygen tolerance (human, rats, guinea pigs)
 RO1HL-13893-03 Marine physiology-The osmotic effect of gases on water
 ** PO1HL-14414-03 0006 Cardiorespiratory performance and environmental factors - Factors influencing gas flow at depth (human)
 ** PO1HL-14414-03 0008 Cardiorespiratory performance and environmental factors - Circulatory function and heat exchange in water (human)
 RO1HL-16254-01 Pathogenesis of bubble and clot formation (fish)
 RO1HL-16653-01 Respiratory control and body temperature (turtles)

WATER ENVIRONMENT, DIVING REFLEX

- ** RO1HL-13443-03 Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits)
 PO1NS-11255-01 Comparative neurobiology (aplysia, fish, sea lions)
 ** PO1NS-11255-01 0008 Comparative neurobiology (aplysia, fish, sea lions) - Neural adaptations for diving in mammals

WATER ENVIRONMENT, LIMNOLOGY

- ** PIOES-00210-07 0035 Center for environmental management - Pollutant flow in the Willamette River
 ** PO1GM-10402-12 0024 Zoophysiology in Alaska - Metabolism and temperature regulation of marine mammals (seals, small birds)

WATER ENVIRONMENT, MARINE BIOLOGY

- SEE ALSO ECHINODERMS*
 SEE ALSO FOOD, SEAFOOD
 SEE ALSO WATER ENVIRONMENT, BENTHOS
 SEE ALSO WATER ENVIRONMENT, DIVING
 RO1AI-11218-02 Commensal metabolic interactions
 ** RO1AI-11969-01 Antibiotics from marine organisms
 RO1AM-05685-12 Glucose metabolism and action of insulin (rats, mice, marine animals)
 RO1AM-16065-03 Primary structures of growth hormones and prolactins (human, vertebrates)
 PO1AM-17433-01 0028 Cardiovascular, metabolic aspects of membrane transport - Control of glomerular filtration in the teleost (trout)
 ** RO1CA-10171-09 Submicroscopic structure of living cells (marine biology)
 ** RO1CA-11033-05 Physiologically active compounds from marine organisms
 RO1CA-13992-02 0010 Surface membranes of normal and cancer cells - Marine biology (dogfish, sea urchins)
 R13CA-16893-01 Workshop on marine bioactive substances research
 RO1DE-01382-14 Calcification mechanisms (mollusks, algae, chickens, echinoderms)
 RO1DE-02329-09 Granule synthesis in salivary glands (dogs, rats, mice, sea mussels)
 PI13DE-02668-08 0003 Dental research center - Mineral metabolism (mollusks)
 ** PO1ES-00054-10 0013 Environmental impact of chlorinated hydrocarbons - Polychlorinated biphenyls in an aquatic environment (fish, lobsters, crayfish)
 PIOES-00210-07 0011 Center for environmental management - Heavy metal toxicity
 ** RO1ES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)
 ** RO1ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)
 ** RO1ES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
 RO1ES-00994-01 Biodegradation of phthalic acids and esters
 RO1EY-00323-09 Environmental light and visual pigments (fish)
 ** RO1FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
 RO1FD-00120-09 Algal intoxication in shellfish (mollusks, dinoflagellates)
 RO1FD-00396-03 Molecular structure of ciguatera (fish)
 RO1FD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
 ** RO1FD-00546-01 Oyster absorption of organics dissolved in sea water
 RO1FD-00582-02 Vibrio parahaemolyticus and shellfish sanitation (mice)
 RO1FD-00605-01 Poisonous dinoflagellates and shellfish poisoning
 ** RO1FD-00626-02 Taxonomy and physiology of marine bacteria
 ** RO1GM-06840-16 Marine chemistry and research on terpenoids (marine animals)
 RO1GM-08229-14 Biochemical studies of siliceous skeletal formation (diatoms, rats)
 PO1GM-10402-12 0011 Zoophysiology in Alaska - Heterothermous operations of nerves (squirrels, marmots, whales)
 PO1GM-10402-12 0019 Zoophysiology in Alaska - Marine mammals by coastal residents (human, seals, whales)
 ** PO1GM-10402-12 0026 Zoophysiology in Alaska - Bioenergetic aspects of physiology in the sea otter
 ** PO1GM-10402-12 0029 Zoophysiology in Alaska - Mercury contamination of marine animals used for food
 RO1GM-16754-06 Fine structure and composition of membranes (bacteria)
 RO1GM-19172-03 Sea snake venoms and toxins (mice)
 RO1HL-04457-16 Cellular aspects of active transport (fish)
 PO1HL-12157-07 0014 Functions and mechanisms of cell membrane ion transport - Water and solute transport in giant algae cells
 PO1HL-12738-06 0032 Physiologic pharmacology and its clinical applications - Renin-angiotensin system (fish)
 ** RO1HL-13166-05 Ultracentrifuge studies of reversible aggregation (lobsters)
 RO1HL-13671-02 The molecular structure of palytoxin (coelenterates)
 RO1HL-13847-04 Engineering studies of liquid breathing systems (dogs)
 ** RO1HL-13893-03 Marine physiology-The osmotic effect of gases on water
 ** PO1HL-14414-03 0013 Cardiorespiratory performance and environmental factors - Body temperature and pH regulation (invertebrates, bullfrogs)
 RO1HL-15460-02 Hemoglobin system (trout)
 RO1HL-15991-02 Evaluation of heart stimulants in sea anemones
 RO1MH-23294-03 Phylogeny of learning (nonvertebrates, birds, fish, rats, reptiles)
 RO3MH-24275-01 Rearing conditions (aplysia)
 M PO1NS-07464-07 Laboratory of neurobiology
 PO1NS-07464-07 0022 Laboratory of neurobiology - Myoepithelial cells of syllis pramanticulus

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.

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- ** P01NS-07464-07 0025 Laboratory of neurobiology - Marine environmental studies
 R01NS-09322-04 Neuronal geometry and integration in ganglia (lobsters)
 R01NS-09374-04 Processing of acoustic information (fish)
 R01NS-09404-04 Central control of sensory interneurons (insects, mollusks)
 R01NS-11006-02 Evolution of the telencephalon (amphibians, lungfish)
 P07RR-00273-09 0022 Mass spectrometric facility for biomedical research - Naturally occurring organo-halogen compounds
 ** S06RR-08073-03 Growth control of cells, fundamental biologic studies (Univ Hawaii)
 S06RR-08079-01 Marine and estuarine pharmacology
 ** S06RR-08100-01 Biomedical compounds from the Caribbean flora and fauna
- WATER ENVIRONMENT, PLANKTON**
 P10ES-00260-12 0003 Research in the environmental health sciences - Entrainment of organisms in cooling water passing through generator condensers
- WATER ENVIRONMENT, SEA WATER**
 ** P01AM-17433-01 0028 Cardiovascular, metabolic aspects of membrane transport - Control of glomerular filtration in the teleost (trout)
 P01ES-00040-10 0002 Environmental toxicology of pesticides - Influence on trace metal and amino acid metabolism (rats, fish)
 R01FD-00546-01 Oyster absorption of organics dissolved in sea water
- WATER FILTERS AND FILTRATION**
 SEE WATER TREATMENT, WATER FILTERS AND FILTRATION
- WATER FLOW**
 SEE ALSO PHYSICAL PROPERTIES, FLUID FLOW
 P10ES-00210-07 0035 Center for environmental management - Pollutant flow in the Willamette River
 R01GM-11598-11 Drug effects on salute transport across epithelia (frogs, hamsters)
- WATER INTAKE DRIVE**
 SEE NUTRIENT INTAKE ACTIVITY, THIRST
- WATER INTOXICATION**
 SEE BODY FLUID BALANCE, BODY WATER EXCESS
- WATER LOSS, BODY WATER**
 SEE BODY FLUID BALANCE, BODY WATER LOSS
- WATER MICROBIOLOGY**
 SEE ENVIRONMENT, ECOLOGY ORGANISMS, WATER MICROBIOLOGY
- WATER POLLUTION**
 SEE ALSO PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), POLLUTANTS INTERACTION
 ** R22A-11373-02 Analysis of molluscan and SE Asian schistosomiasis
 P17AM-17702-01 0009 Hepatitis cirrhosis center - Australia antigen in molluscs (clams)
 P01ES-00040-10 0012 Environmental toxicology of pesticides - Effects of dieldrin on aquatic animals (fish)
 P01ES-00040-10 0014 Environmental toxicology of pesticides - Maintain collections of strains of microorganisms and coent
 P01ES-00049-10 0015 Mode of action and metabolism of organic toxicants - Methylcarbamate insecticide chemicals (rats, plants)
 P01ES-00054-10 0011 Environmental impact of chlorinated hydrocarbons - Translocation of hydrocarbons in aquatic food chain (algae, insects, fish)
 ** P10ES-00210-07 0033 Center for environmental management - Movement of fertilizer nitrogen in soil
 ** P10ES-00210-07 0035 Center for environmental management - Pollutant flow in the Willamette River
 ** P10ES-00260-12 0003 Research in the environmental health sciences - Entrainment of organisms in cooling water passing through generator condensers
 ** P10ES-00260-12 0012 Research in the environmental health sciences - Distribution of cadmium in a heavily contaminated marsh (Hudson River)
 ** P10ES-00260-12 0013 Research in the environmental health sciences - Radiocesium in the Hudson River estuary (fish)
 P01ES-00454-06 0018 Biological effects of environmental agents - Metal poisoning of oyster cell as model of cadmium intoxication
 ** R01ES-00603-03 Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates)
 R01ES-00675-01 Drug and chemically induced chromosomal aberrations (Aspergillus)
 R01ES-00887-02 Methyl mercury detoxification in marine mammals (sea lions)
 ** R01ES-00920-02 DDT inhibition of avian shell and salt gland enzymes (ducks, marine birds)
 R01ES-00986-01 Biodegradation of the phthalates by bacteria
 R01ES-00994-01 Biodegradation of phthalic acids and esters

- ** R01FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
 ** R01FD-00416-04 Physiology of shellfish cleansing mechanisms (microorganisms)
 ** R23HL-17205-01 Lung metalloenzymes-Regulation by metals and gases (rats)

WATER POLLUTION CONTROL

- ** P07RR-00273-09 0019 Mass spectrometric facility for biomedical research - Analysis of environmental samples for trace organics

WATER QUALITY

- R01CA-14704-02 Epidemiology of gastric cancer in Newfoundland
 ** R26CA-14927-02 Environmental bladder carcinogens (human)
 ** R01ES-00880-02 Taste of water-Effects of solutes and adaptation (human, rats)
 P06RR-00635-03 Development of bullfrogs for biomedical research
 ** N01RS-22111-03 Study of high-purity water

WATER SOLUBILITY

SEE PHYSICAL PROPERTIES, SOLUBILITY, WATER

WATER SUPPLY

- SEE ALSO WATER QUALITY
 ** R07AI-10050-14 0005 International center for medical research - Environmental health and other studies (human, fish, mammals)
 N01CP-33286-01 Geographic pathology and epidemiology of cancer in Cali, Columbia

WATER TREATMENT

- R01FD-00086-10 Purification of hard clams from polluted waters (bacteria, viruses)
 ** N01RS-22111-03 Study of high-purity water

WATER TREATMENT, WATER FILTERS AND FILTRATION

- ** N01AM-80976-18 Development of a peritoneal dialysis fluid supply

WAVESHAPe PROCESSING ANALYSIS AND DISPLAY

SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

WAX D

SEE GLYCOLIPEPTIDES, PEPTIDOGLYCOLIPID

WAXES (LIPID)

SEE LIPIDS, WAXES

WEAR AND TEAR PIGMENT

SEE LIPOFUSCIN-CERIOD

WEATHER

SEE ENVIRONMENT, ATMOSPHERE (WEATHER)

WEGENER'S GRANULOMATOSIS

SEE CONNECTIVE TISSUE DISORDERS, WEGENER'S GRANULOMATOSIS

WEIGHT PERCEPTION

SEE SENSORY-PERCEPTUAL PROCESSES, WEIGHT PERCEPTION

WELFARE SERVICE NONPSYCHIATRIC

SEE SOCIAL SERVICES (GENERAL)

WELFARE SERVICES PSYCHIATRIC

SEE MENTAL HEALTH SERVICES, SOCIAL SERVICE PSYCHOSOCIAL

WELFARE SERVICES PSYCHOSOCIAL

SEE MENTAL HEALTH SERVICES, SOCIAL SERVICE PSYCHOSOCIAL

WERDING-HOFFMANN PARALYSIS

SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR, SPINAL MUSCULAR ATROPHY PROGRESSIVE

WERNER'S SYNDROME

SEE AGING, PROGERIA, WERNER'S SYNDROME

WEST NILE VIRUS

SEE VIRUSES, ARBOVIRUSES B, WEST NILE VIRUS

WESTERN ENCEPHALITIS

SEE NERVOUS DISORDERS CENTRAL, ENCEPHALITIS EPIDEMIC, WESTERN

WESTERN (EQUINE) ENCEPHALITIS VIRUS

SEE VIRUSES, ARBOVIRUSES A, WESTERN ENCEPHALITIS VIRUS

WHEAL

SEE SKIN DISORDERS, URTICARIA

WHEAT

SEE PLANTS, GRAIN, WHEAT*

WHIPLASH INJURIES

SEE INJURIES, HEAD AND NECK

WHIPPLE'S DISEASE

SEE LIPODYSTROPHY, INTESTINAL LIPODYSTROPHY

WHITE AMERICANS

SEE SOCIAL GROUPS, ETHNIC, AMERICANS, WHITE AMERICANS

WHITE RACE

SEE SOCIAL GROUPS, RACIAL STOCKS, WHITE RACE

WHO

SEE HEALTH AND SCIENTIFIC ORGANIZATIONS, INTERNATIONAL, WHO

WHOLE BODY IRRADIATION

SEE RADIATION EFFECTS, WHOLE BODY IRRADIATION

WHOLE BODY PERFUSION (TOTAL BLOOD REPLACEMENT)

SEE BLOOD TREATMENT, WHOLE BODY PERFUSION (BLOOD REPLACEMENT)

WHOLE BODY SCINTILLATION COUNTER

SEE RADIOASSAY, SCINTILLATION COUNTERS, WHOLE BODY*

WHOOPING COUGH

SEE BACTERIAL DISEASES, PERTUSSIS

WI-38 CELLS

SEE TISSUE (CELL) CULTURE, CLONE CELLS, WI-38 CELLS

WIDOWHOOD

SEE FAMILY, MARRIAGE, WIDOWHOOD

WILLI-PRADER SYNDROME

SEE METABOLIC DISORDERS INBORN, PRADER-WILLI SYNDROME

WILM'S TUMOR

SEE KIDNEY NEOPLASMS, NEPHROBLASTOMA

WILSON'S DISEASE

SEE METABOLIC DISORDERS INBORN, HEPATOLENTICULAR DEGENERATION

WISH CELLS

SEE NEOPLASTIC CELLS, WISH CELLS

WISKOTT-ALDRICH SYNDROME

SEE METABOLIC DISORDERS INBORN, ALDRICH SYNDROME

WITCH DOCTORS

SEE HEALTH CARE PRACTICE, PRIMITIVE MEDICINE

WITHDRAWAL, DRUG

SEE DRUGS WITHDRAWAL (SYMPTOMS)

WOLFF-PARKINSON-WHITE SYNDROME

SEE CONGENITAL ABNORMALITIES, HEART DEFECTS, WOLFF-PARKINSON-WHITE SYNDROME

WOLMAN'S DISEASE

SEE METABOLIC DISORDERS INBORN, LIPID (NEUTRAL) STORAGE, WOLMAN'S DISEASE

WOMEN IN HEALTH SCIENCE PROFESSIONS

SEE HEALTH SCIENCES PROFESSIONS, WOMEN

WOMEN'S RIGHTS

SEE SOCIAL CONTROL, HUMAN RIGHTS, WOMEN'S RIGHTS

WORK

SEE OCCUPATIONS

WORKSHOP

SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, WORKSHOP

WORLD HEALTH ORGANIZATION

SEE HEALTH AND SCIENTIFIC ORGANIZATIONS, INTERNATIONAL, WHO

WOUND HEALING

SEE INJURIES, WOUND HEALING

WOUND INFECTION

SEE INJURIES, WOUND INFECTION

WOUND-TUMOR VIRUS

SEE VIRUSES OF PLANTS, WOUND TUMOR VIRUS

WOUNDS

SEE INJURIES, WOUNDS

WRIST

SEE SKELETAL SYSTEM, JOINT, WRIST

WUCHERERIA

SEE HELMINTHS, NEMATODES, WUCHERERIA

XANTHINE DEHYDROGENASE

SEE OXIDOREDUCTASES, XANTHINE DEHYDROGENASE

XANTHINE OXIDASE

SEE OXIDOREDUCTASES, XANTHINE OXIDASE

XANTHINE OXIDASE INHIBITORS

SEE ENZYME INHIBITORS, XANTHINE OXIDASE INHIBITORS

XANTHINE(S)

SEE PURINES, XANTHINES

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.

**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

XANTHINES ANALOGS

SEE PURINES ANALOGS, XANTHINES ANALOGS

XANTHOMA TUBEROSUM MULTIPLEX

SEE METABOLIC DISORDERS INBORN, HYPERLIPOPROTEINEMIAS FAMILIAL, TYPE II

XANTHOMATOSIS

SEE LIPOIDAL DISORDERS, XANTHOMATOSIS

XANTHOMATOSIS, CEREBROTENDINOUS

SEE LIPOGRANULOMATOSIS, CEREBROTENDINOUS XANTHOMATOSIS

XANTHOMATOSIS (FAMILIAL) WITH ADRENAL CALCIFICATION

SEE METABOLIC DISORDERS INBORN, LIPID (NEUTRAL) STORAGE, WOLMAN'S DISEASE

XANTHOMONAS

SEE BACTERIA, PSEUDOMONADALES, XANTHOMONAS*

XANTHURENIC ACID

SEE QUINOLINE CARBOXYLIC ACIDS, XANTHURENIC ACID

X CHROMOSOME

SEE GENETICS, CHROMOSOMES, SEX CHROMOSOMES

XENOBANKING

SEE TISSUE PRESERVATION, TISSUE STORAGE IN VIVO

XENORAFT

SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

XENON

SEE GAS ELEMENTS, XENON

XENON, RADIOLABELED

SEE RADIOLABELED XENON*

XENON 133

SEE RADIOISOTOPES, XENON 133

XERODERMA

SEE CONGENITAL ABNORMALITIES, SKIN, ICHTHYOSIS

XERODERMA PIGMENTOSUM

SEE METABOLIC DISORDERS INBORN, XERODERMA PIGMENTOSUM

XERODERMOSTEOSIS

SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

XEROPHTHALMIA

SEE EYE DISORDERS, XEROPHTHALMIA

XEROTIC KERATITIS

SEE EYE DISORDERS, CORNEA DISORDERS, KERATOMALACIA

XGA ANTIGEN

SEE BLOOD GROUPS ANTIGENS, XGA ANTIGENS

XO SYNDROME

SEE GENETIC DISORDERS, TURNER'S SYNDROME

X-RAY DENSITOMETRY

SEE PHYSICAL PROPERTIES, DENSITOMETRY*

X-RAY DIFFRACTION (CHEMISTRY)

SEE CHEMISTRY, ANALYTICAL METHODS, X-RAY STRUCTURE ANALYSIS*

X-RAY FLUORESCENCE PROBES

SEE RADIOFLUORESCENT PROBES, X-RAY FLUORESCENCE PROBES

X-RAY MICROSCOPY

SEE OPTICS, MICROSCOPY, X-RAY*

X-RAY RADIOGRAPHY

SEE RADIOGRAPHY*

X-RAY SCATTERING (CHEMISTRY)

SEE CHEMISTRY, ANALYTICAL METHODS, X-RAY STRUCTURE ANALYSIS*

X-RAY SPECTROMETRY

SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, X-RAY*

X-RAY STRUCTURE ANALYSIS (CHEMISTRY)

SEE CHEMISTRY, ANALYTICAL METHODS, X-RAY STRUCTURE ANALYSIS*

X-RAYS

SEE RADIATION, ELECTROMAGNETIC WAVES, X-RAYS

XXY SYNDROME

SEE GENETIC DISORDERS, KLINEFELTER'S SYNDROME

XYLOSE

SEE PENTOSSES, XYLOSE

XXY SYNDROME

SEE GENETIC DISORDERS, XXY SYNDROME

XYZ FACTORS

SEE NEOPLASMS XYZ FACTORS

Y CHROMOSOME

SEE GENETICS, CHROMOSOMES, SEX CHROMOSOMES

Y PROTEIN

SEE PROTEINS, Y PROTEIN

YABA VIRUS

SEE VIRUSES, POXVIRUSES, YABA VIRUS

YAM

SEE PLANTS, VEGETABLES, YAM*

YEASTS

SEE FUNGI, YEASTS*

YELLOW FEVER

SEE VIRUS DISEASES, ARBOVIRUS, YELLOW FEVER

YELLOW FEVER VACCINES

SEE VACCINES, VIRAL, YELLOW FEVER VACCINES

YELLOW FEVER VIRUS

SEE VIRUSES, ARBOVIRUSES B, YELLOW FEVER VIRUS

YLIDESSEE ALSO CARBON IONS, CARBANIONS
R01CA-08495-09 Fused heterocycles as potential anticancer agents
R01GM-18874-03 New synthetic methods useful for chemotherapeutics
R01GM-20707-01 Biogenesis of cyclopropane rings
R01GM-21159-01 Vinyl sulfides in organic synthesis**YOGA**

SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE,

MEDITATION**YOHIMBINE**

SEE ALKALOIDS, RAUWOLFIA TYPE, YOHIMBINE

YOSHIDA SARCOMA

SEE BLOOD AND RE NEOPLASMS, RETICULUM CELL-LIKE SARCOMA YOSHIDA

YOUNG ADULTS

SEE AGE, ADULT, YOUNG

YOUTH MENTAL HEALTH (SERVICES)

SEE MENTAL HEALTH (SERVICES), YOUTH

YOUTH SERVICES

SEE SOCIAL SERVICES, YOUTH SERVICES

YTTERBIUM RADIOLABELED

SEE RADIOLABELED YTTERBIUM*

YTTRIUM 90

SEE RADIOISOTOPES, YTTRIUM 90

YUGOSLAVIA

SEE GEOGRAPHICAL SITES, EUROPE EASTERN, YUGOSLAVIA

Z PROTEIN (FATTY ACID BINDING PROTEIN)

SEE PROTEINS, Z PROTEIN

ZAROXOLYN

SEE BENZODIAZINES, QUINAZOLINES, METOLAZONE

ZAZEN

SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE, MEDITATION

ZELLWEGER SYNDROME

SEE METABOLIC DISORDERS INBORN, CEREBRO-HEPATO-RENAL SYNDROME

ZEN BUDDHISM

SEE PSYCHIC ACTIVITY LEVEL, TROPHOTROPIC STATE, MEDITATION

ZETA POTENTIAL

SEE ELECTROPOTENTIALS, ZETA POTENTIAL

ZINC (COMPOUNDS)

SEE METALS, HEAVY METALS, ZINC

ZINC, RADIOLABELED

SEE RADIOLABELED ZINC*

ZIRCONIUM

SEE METALS, RARE EARTHS, ZIRCONIUM

ZOLLINGER-ELLISON SYNDROME

SEE PANCREATIC ISLETS NEOPLASMS, ZOLLINGER-ELLISON SYNDROME

ZOONOSES

SEE COMMUNICABLE DISEASES, ZOONOSES

ZOOSEMIOTICS

SEE INFORMATION-COMMUNICATION BEHAVIOR, ANIMAL COMMUNICATION

ZOXAZOLAMINE

SEE OXAZOLES, ZOXAZOLAMINE

ZYMOGENS

SEE ENZYMES, ZYMOGENS

ZYMOHEXASE

SEE ALDOLASES

ZYMOZAN

SEE IMMUNOLOGY, ANTIGENS MICROBIAL, ZYMOZAN

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
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See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

See VOL II (PROJECT IDENTIFICATION DATA) for investigator's name and address.

PROJECT IDENTIFICATION DATA

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R18AA-00003-01 (ASRB) HUDSON, DOUGLAS M. COMMITTEE ON ALCOHOL ABUSE FDN, 413 NORTH MAIN AVENUE, SIOUX FALLS, S DAK. Services for problem drinking drivers.

R18AA-00008-01 (ASRI) SAVAGE, EUGENE, DULUTH INDIAN ACTION COUNCIL, 223 WEST FIRST ST, DULUTH, MINN. Indian alcoholic treatment program.

R18AA-00010-01 (ASRI) SCOTT, WILLARD, SW INDIAN POLYTECHNIC INST, POST OFFICE BOX 10146, ALBUQUERQUE, N MEX. Southwestern Indian polytechnic institute alcoholism education.

R18AA-00016-02 (ASRB) FRANKLIN, JAMES A. 307 CHURCH ST, CHERAW, S C. Community alcoholism services poverty program.

R18AA-00017-01 (ASRC) FRANK, ROBERT R, JR, RD 02, CHERRY LANE, MAYS LANDING, N J. Seabrook House-Alcoholism rehabilitation center.

R18AA-00019-01 (ASRB) MARSHALL, J ALLEN, RESTHAVEN PSYCHIATRIC HOSP, 765 COLLEGE STREET, LOS ANGELES, CALIF. Public inebriate program.

R18AA-00025-02 (ASRI) DUNN, JOE, SWINOMISH TRIBAL COMMUNITY, P O BOX 388, LA CONNER, WASH. Swinomish Indian alcoholism prevention and control.

R18AA-00027-01 (ASRI) VAN ETEN, RICHARD, MECAP, MOUNT EDGECEMBE HIGH SCHOOL, MOUNT EDGECEMBE, ALASKA. Mount Edgecumbe comprehensive alcoholism program-MECAP.

R18AA-00030-01 (ASRC) LA ROCHELLE, ANDRE' L. 3808 SOUTHERN AVENUE, SHREVEPORT, LA. Northwestern LA alcoholism demonstration program.

R18AA-00021-01 (ASRB) BOSMA, WILLIAM G, 721 W REDWOOD STREET, BALTIMORE, MD. Treatment of families and children of alcoholics.

R18AA-00043-01 (ASRB) EVATT, H PARKER, ALSTON WILKES SOCIETY, P O BOX 363, COLUMBIA, S C. Ex-offender alcohol abuse project.

R18AA-00045-01 (ASRB) PRICE, SAMUEL L. HARRIS CNTY CMNTY ACTION ASSN, 6300 BOWLING GREEN, HOUSTON, TEX. Alcoholism services program.

R18AA-00049-02 (ASRB) WILSON, CURTIS, ECONOMIC OPPORTUNITY ATLANTA, 101 MARIETTA STREET, N W, ATLANTA, GA. Community alcoholism services poverty program.

R18AA-00050-02 (ASRB) WILLIAMS, AUSTIN, ECONOMIC OPPORTUNITIES COMM, 405 CAMERON STREET, ALEXANDRIA, VA. E.O.C. Alexandria center for alcoholism.

R18AA-00051-01 (ASRB) PATLAN, JUAN J, MEXICAN AMERICAN UNITY CNCL, 615 PEREZ, SAN ANTONIO, TEX. Demonstration project halfway house for alcoholics.

R18AA-00053-02 (MHSR) HALEY, CHARLES T, LAKES AND PINES CAC, INC, 129 WEST FOREST, MORA, MINN. East central task force on alcoholism.

R18AA-00035-02 (MHSR) BATES, LEON E, COMMUNITY RESPONSE, INC, 235 EAST SANTA CLARA STREET, SAN JOSE, CALIF. Community alcoholism services, poverty program.

R18AA-00057-01 (ASRC) TINSLEY, EDMOND T, C C CENTER, 46 HIGH STREET, WORCESTER, MASS. Worcester area alcohol consortium-public inebriate program.

R18AA-00028-01 (ASRC) BREWSTER, JOHN T, 109 MENDOCINO PLACE, UKIAH, CALIF. Mendocino County alcoholism project.

R18AA-00059-02 (ASRB) LEWIS, CARL A, 137 HENRY STREET, STAMFORD, CONN. Alcohol and recovery program.

R18AA-00060-02 (ASRB) PORTER, CHESTER, JR, 123 EAST FIRST STREET, DE RIDDER, LA. Rehabilitation (alcoholism).

R18AA-00062-02 (ASRB) DI BIASE, JERRY, CRANSTON ALCOHOLISM PROGRAM, 1090 CRANSTON ST, CRANSTON, R I. Cranston community action alcoholism program.

R18AA-00033-01 (ASRC) ABE, IRBENE N, FAIRFAX CMNTY ACTION PROG, INC, 9673 LEE HIGHWAY, FAIRFAX, VA. Alcoholism outreach program in Fairfax County, Virginia.

R18AA-00066-02 (ASRI) POLCHINS, TERRY, ASSN OF AROOSTOOK INDIANS, INC, BOX 223, HOULTON, MAINE. Aroostook Indian alcoholism prevention committee.

R18AA-00067-01 (ASRB) CHARNES, WAYNE E, HUMAN AID, INC, 300 STATE ST, MIDLAND, MICH. Rural poverty community alcoholism services program.

R18AA-00070-01 (ASRC) COATS, JERRY D, ALCOHOL ABUSE CONTROL CENTER, 120 EAST 16TH STREET, PINE BLUFF, ARK. Satellite clinics in alcohol abuse control.

R18AA-00072-01 (ASRB) DAKESIAN, RICHARD, MAYOR'S COMMITTEE ON ALCOHOLIS, 518 VETERANS MEMORIAL BUILDING, DETROIT, MICH. Central Detroit public inebriate program.

R18AA-00073-01 (ASRB) SLAUGHTER, J W, 2559 SAN PABLO AVE, OAKLAND, CALIF, OAKLAND, CALIF. Alameda alcoholism treatment and rehabilitation program.

R18AA-00074-02 (ASRB) BRADSHAW, WILLIAM D, NIAGARA CMNTY ACTION PROGRAM, 220 FIRST STREET, 4TH FLOOR, NIAGARA FALLS, N Y. Community alcoholism services poverty program-New York.

R18AA-00079-02 (ASRB) SHEA, JAMES E, EASTERN MIDDLESEX OPPORT CNCL, 73 UNION SQUARE, SOMERVILLE, MASS. Community alcoholism services, poverty program.

R18AA-00080-02 (ASRB) MOORE, THOMAS E, COOSA-ELMORE CMNTY ACTION COMM, 1009 OSCEOLA ST, WETUMPKA, ALA. Alcoholism rehabilitation services.

R18AA-00083-02 (ASRB) MARSHALL, MABLE V, 1611 BAKER STREET, BALTIMORE, MD. Community alcoholism services poverty program.

R01AA-00084-07 (HEAM) SULLIVAN, LOUIS W, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Erythropeiosis in megaloblastic anemias (human).

R18AA-00085-02 (ASRB) TUCKER, DOLORES, 1915 'U' STREET, LINCOLN, NEBR. Alcoholism counseling program.

R18AA-00086-02 (ASRB) BRIDGES, LOUIS, SOUTHSIDE COMPREHENSIVE HEALTH CTR, 1039 RIDGE AVENUE, S W, ATLANTA, GA. Alcoholism rehabilitation project.

R18AA-00087-02 (ASRB) COOKE, SHIRLEY E, 821 WEST LANVALE STREET, BALTIMORE, MD. Community alcoholism services poverty program.

R18AA-00088-02 (ASRI) WILLIAMS, B ADAM, THE TULALIP TRIBES CAP, 6710 TOTEM BEACH ROAD, MARYSVILLE, WASH. Tulalip alcoholism prevention and rehabilitation.

R18AA-00089-02 (ASRI) OLIVAS, EDWARD, INTER-TRIBAL COUNCIL OF CALIF, 2991 FULTON AVE, SACRAMENTO, CALIF. Indian lodge recovery home.

R03AA-00092-01 (ASRM) COLLINS, ALLAN C, UNIVERSITY OF COLORADO, BOULDER, COLO. Aldehyde binding-Distribution and specificity (mammals nonhuman).

R18AA-00094-02 (ASRB) SIMPSON, ERNEST A, S MIDDLESEX OPPORTUNITY CNCL, 31 HOLLIS STREET, FRAMINGHAM, MASS. Alcoholism rehabilitation center.

R18AA-00095-02 (ASRI) DAMON, DAVID, OFFICE OF NAVAJO ECON OPPTY, P O BOX 589, FORT DEFIANCE, ARIZ. Navajo alcoholism rehabilitation and education program.

R18AA-00094-02 (ASRI) THOMPSON, GARY W, ALCOHOL & DRUG ABUSE PROGRAM, P O BOX 556, SACATON, ARIZ. Alcohol prevention and treatment program.

R18AA-00097-02 (ASRB) DAUGHERTY, ROBERT H, HUMAN DEVELOPMENT CORPORATION, 10 SOUTH 7TH STREET, COLUMBIA, MO. Community alcoholism services poverty program-Missouri.

R18AA-00100-02 (ASRB) WHITEHORN, DUDLEY P, 6281/2 KIHEKA, PAWNIUSKA, OKLA. Community alcoholism services poverty program.

R18AA-00102-02 (ASRI) HUSSMAN, JOHN E, OGLALA SIOUX TRIBE, P O BOX 379, PINE RIDGE, S DAK. Oglala Sioux tribe alcoholism.

R03AA-00104-01 (MSM) GOODRICK, DAVID D, MENDOTA STATE HOSPITAL, 301 TROY DRIVE, MADISON, WIS. Training alcoholics to become social drinkers.

R18AA-00106-02 (ASRB) GRANT, EDWARD B, 46 BRISTOL ST, NEW HAVEN, CONN. Community alcoholism services poverty program.

R18AA-00108-02 (ASRI) PIPE, JACK A, ASSINBOINE SIOUX TRIBES CAA, P O BOX 307, POPLAR MONT. Fort Peck alcoholism program.

R18AA-00109-02 (ASRI) FOX, STEPHEN, SR, FORT BELKNAP AGENCY, HARLEM, MONT. Community alcoholism services Indian program.

R18AA-00110-03 (NSS) PANETTA, JOSEPH A, MISSISSIPPI STATE BOARD OF HLT, P O BOX 1700, JACKSON, MISS. A comprehensive occupational alcoholism program plan.

R18AA-00111-03 (ASRO) ROWNTREE, GRADIE R, KENTUCKY DEPT OF MENTAL HEALTH, POST OFFICE BOX 678, FRANKFORD, KY. Kentucky occupational alcoholism services.

R18AA-00112-03 (NSS) BOST, ROGER B, DEPT OF SOCIAL & REHABIL SERV, 406 NATIONAL OLD LINE BLDG, LITTLE ROCK, ARK. Arkansas occupational alcoholism program services.

R18AA-00113-03 (MHSR) VON WIEGAND, ROSS A, NATL CNCL ON ALCOHOLISM, INC, 2 PARK AVENUE, NEW YORK, N Y. Project for mobilizing labor support for alcoholism.

R18AA-00114-03 (NSS) PRITCHARD, JOSEPH H, NEVADA STATE ALCOHOLISM DIVISI, 111 WEST TELEGRAPH, CARSON CITY, NEV. State occupational alcoholism program service.

R18AA-00115-03 (NSS) WEISMAN, MAXWELL N, 2305 N CHARLES STREET, BALTIMORE, MD. State occupational alcoholism program services.

R18AA-00116-03 (NSS) LYONS, ANDREW C, HAWAII COMMITTEE ON ALCOHOLISM, 575 COOKE STREET, HONOLULU, HAWAII. Hawaii occupational alcoholism services.

R18AA-00117-03 (NSS) KENEALY, EDWARD A, ALCOHOLISM SECTION, P O BOX 1788, DEPT OF SOC SCIS, OLYMPIA, WASH. State occupational alcoholism service.

R18AA-00118-03 (NSS) SOLOMON, ROBERT L, MONT DEPT OF HLTH & ENVIRON SC, ALCOHOL & DRUG DEPENDENCE BUR, HELENA, MONT. Montana state occupational alcoholism program.

R18AA-00119-03 (MHSR) METHVIN, CHARLES B, GEORGIA DEPT OF PUBLIC HEALTH, 47 TRINITY AVENUE, S W RM 534, ATLANTA, GA. Occupational alcoholism program.

R18AA-00120-03 (NSS) BLACKLEY, ROY J, N C DEPT OF HUMAN RESOURCES, P O BOX 26327, RALEIGH, N C. North Carolina occupational alcoholism program.

R18AA-00121-03 (NSS) LANDRETH, CHARLES N, DIVISION OF MENTAL HEALTH, 320 BLOUNT STREET, ROOM 410, TALLAHASSEE, FLA. State occupational alcoholism program service.

R18AA-00122-03 (NSS) KIRBY, J DOYLE, COMM ON ALCOHOL PROBLEMS, 550 CEDAR STREET, ST PAUL, MINN. Minnesota occupational alcoholism program service.

R18AA-00123-03 (ASRO) WASHINGTON, RAYMOND E, WEST VIRGINIA DEPT OF MTL HLTH, STATE CAPITOL, CHARLESTON, W VA. Occupational alcoholism services (West Virginia).

R18AA-00124-03 (NSS) WOLFSON, JUDITH, DEPARTMENT OF MENTAL HEALTH, 90 WASHINGTON STREET, HARTFORD, CONN. State occupational alcoholism programs (Connecticut).

R18AA-00125-03 (NSS) CHURAN, CHARLES A, IOWA STATE COMM ON ALCOHOLISM, 821 DES MOINES STREET, DES MOINES, IOWA. State occupational alcoholism program service.

R18AA-00126-03 (NSS) JENSEN, GARY F, UTAH STATE DIV OF ALCOH & DRUG, 2875 SOUTH MAIN, SALT LAKE CITY, UTAH. State occupational alcoholism program services.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R18AA-00127-03 (NSS) TROW, JESSE E, N H PROG ON ALCOHOL & DRUG ABU, 66 SOUTH STREET, CONCORD, N H. State occupational alcoholism program service.
- R18AA-00128-03 (NSS) CHAMBERLAIN, WILLIAM J, N J DEPT OF HEALTH, JOHN FITCH PLAZA BOX 1540, TRENTON, N J. Occupational alcoholism program service.
- R18AA-00129-03 (NSS) KIRACOPE, ARTHUR H, 1875 CONNECTICUT AVENUE, N W, ROOM 819, WASHINGTON, D C. Occupational alcoholism program service.
- R18AA-00130-03 (NSS) MC CORD, WILLIAM J, S C COMM ON ALCOHOLISM, 1611 DEVONSHIRE DRIVE, COLUMBIA, S C. South Carolina occupational alcoholism program.
- R18AA-00131-03 (ASRO) NORTH, JOHN W, DEPT OF PUBLIC INSTITUTIONS, POST OFFICE BOX, LINCOLN, NEBR. Nebraska occupational alcoholism program services.
- R18AA-00132-03 (NSS) COK, LEO, CHARLES V CHAPIN HOSPITAL, EATON STREET, PROVIDENCE, R I. Operation helping hand (alcoholism).
- R18AA-00133-03 (MHSS) DOBSCH, GRAYDON, COLORADO DEPT OF HEALTH, 4210 EAST 11TH AVENUE, DENVER, COLO. Colorado occupational services project.
- R18AA-00134-03 (NSS) CROWE, DANIEL J, INDIANA DEPT OF MENTAL HEALTH, 3000 WEST WASHINGTON STREET, INDIANAPOLIS, IND. Indiana department of mental health division of alcoholism.
- R18AA-00135-03 (NSS) GALVIN, VINCENT K, DEPARTMENT OF HEALTH, PIERRE, S DAK, PIERRE, S DAK. State occupational alcoholism program services.
- R18AA-00136-03 (NSS) PETTY, LEON E, 3000 NEWPORT GAP PIKE, BANTON BUILDING, WILMINGTON, DEL. State occupational alcoholism program service.
- R18AA-00137-03 (NSS) ARCHER, LORAN D, HUMAN RELATIONS AGENCY, 926 J STREET, ROOM 300, SACRAMENTO, CALIF. California occupational alcoholism program.
- R18AA-00138-03 (MHSS) WHITAKER, JAMES B, BREVARD CTY MENT HLTH CTR, INC, 1770 CEDAR STREET, ROCKLEDGE, FLA. Comprehensive industrial alcoholism program.
- R18AA-00139-03 (NSS) COOGAN, FRANK N, BUREAU OF ALC & DRUG ABUSE, 1 WEST WILSON STREET, MADISON, WIS. Wisconsin State occupational alcoholism program.
- R18AA-00140-03 (NSS) SUTTON, MARGARET C, PENNSYLVANIA DEPT OF HEALTH, P O BOX 90, HARRISBURG, PA. Pennsylvania State occupational alcoholism program.
- R18AA-00141-03 (NSS) BLACKER, EDWARD, 755 BOYLSTON STREET, BOSTON, MASS. Massachusetts State occupational alcoholism program.
- R18AA-00142-03 (NSS) ELEFSON, RICHARD D, DIV OF ALCOHOLISM & DRUG ABUSE, 320 AVENUE B EAST, BISMARCK, N DAK. North Dakota State occupational alcoholism program.
- R18AA-00143-03 (NSS) GRIFFIN, JAMES F, JR, ILLINOIS DEPT OF MENTAL HEALTH, 188 W RANDOLPH ST RM 1900, CHICAGO, ILL. Illinois occupational alcoholism program.
- R18AA-00144-02 (NSS) KEATING, JOHN H, STATE OFFICE OF ALCOHOLISM, POUCH 'H', JUNEAU, ALASKA. Industrial alcoholism staff development (Alaska).
- R18AA-00145-03 (NSS) HARKINS, J B, DEPARTMENT OF MENTAL HEALTH, 145 MOLTON STREET, MONTGOMERY, ALA. State occupational alcoholism program service.
- R18AA-00146-03 (NSS) WOODARD, DONALD D, NEW MEXICO COMM ON ALCOHOLISM, P O BOX 1731, ALBUQUERQUE, N MEX. State occupational program services.
- R18AA-00147-03 (NSS) BUTYNSKI, WILLIAM, DEPARTMENT OF REHABILITATION, 79 MAIN STREET, MONTPELIER, VT. Vermont state occupational alcoholism program.
- R18AA-00148-03 (NSS) DAVIS, DONALD A, ARIZONA DEPT OF HEALTH, 1740 WEST ADAMS STREET, PHOENIX, ARIZ. Arizona employee alcoholism project.
- R18AA-00149-03 (NSS) ROBB, HAROLD P, DIVISION OF MENTAL HEALTH, 722 JEFFERSON STREET, JEFFERSON CITY, MO. Missouri State occupational alcoholism program.
- R18AA-00150-03 (MHSS) GOOD, MAX P, OFF OF ALCOHO & DRUG ABUSE PRE, 32 WINTHROP STREET, AUGUSTA, MAINE. Special occupational alcoholism programs.
- R18AA-00151-03 (NSS) BOYLE, TERENCE J, OHIO DEPARTMENT OF HEALTH, 450 EAST TOWN ST, P O BOX 118, COLUMBUS, OHIO. Ohio occupational alcoholism program service.
- R18AA-00152-03 (NSS) DOUGLAS, JAMES D, JR, TEXAS COMMISSION ON ALCOHOLISM, 809 SAM HOUSTON ST OFFICE BLDG, AUSTIN, TEX. Texas occupational alcoholism services program.
- R18AA-00153-03 (NSS) HOWSE, WILLIAM L, 3D, TENNESSEE DEPT OF MENTAL HLTH, 300 CORDELL HULL BLDG, NASHVILLE, TENN. State occupational alcoholism program.
- R18AA-00154-03 (NSS) PAREDES, ALONSO, OKLAHOMA DEPT OF MENTAL HEALTH, P O BOX 53277, CAPITOL STATION, OKLAHOMA CITY, OKLA. Oklahoma state occupational alcoholism services.
- R18AA-00155-03 (NSS) DUNDON, THOMAS R, VIRGINIA STATE HEALTH DEPARTMENT, 109 GOVERNOR STREET, RICHMOND, VA. Virginia occupational alcoholism program services.
- R18AA-00156-03 (NSS) WEINER, HAROLD N, N Y ST DEPT OF MENTAL HYGIENE, 44 HOLLAND AVENUE, ALBANY, N Y. State employee and industrial alcoholism program.
- R18AA-00157-03 (NSS) MC CONNELL, JOHN T, MICHIGAN DEPT OF PUBLIC HEALTH, 3500 NORTH LOGAN, LANSING, MICH. State occupational alcoholism program services.
- R18AA-00158-03 (NSS) SHULTERBRANDT, ELDRA L, VIRGIN ISLANDS DEPT OF HEALTH, P O BOX 1442, ST THOMAS, VIRGIN ISLANDS. Occupational alcoholism program services.
- R18AA-00159-03 (NSS) ROGERS, WARD, GOVERNOR'S ADVIS COMM ON ALCOH, 535 KANSAS AVENUE, TOPEKA, KANS. State occupational alcoholism service.
- R18AA-00160-03 (NSS) BENOIT, JAMES B, DIVISION OF MENTAL HEALTH, 655 N FIFTH STREET, BATON ROUGE, LA. Secondary prevention of alcoholism programs.
- R18AA-00161-03 (MHSS) SISACK, WILLIAM T, OREGON ALCOHOLISM & HLTH ASSN., 1811 NE 39TH AVENUE, PORTLAND, OREG. Oregon program on alcoholism in business and industry.
- R18AA-00164-03 (MHSS) SHULMAN, GERALD D, CHIT-CHAT FARMS, RD 3, GALEN HALL RD, BOX 277, WERNERSVILLE, PENN. Alcoholism treatment—An interdisciplinary approach.
- R18AA-00165-03 (ASRC) DOLAN, JOSEPH, UNITED STATE JAYCEES, POST OFFICE BOX 7, TULSA, OKLA. Operation Threshold (alcohol education).
- R18AA-00166-03 (MHSS) GOTCHER, JAMES W, MISS STATE PENITENTIARY, DEPT OF ALCOHOLIC REHAB, PARCHMAN, MISS. Department of alcoholic rehabilitation.
- R18AA-00168-03 (ALC) WILLIAMS, CLINTON D, SEDGWICK CTY DEPT OF MENT HLTH, 1045 NORTH MINNEAPOLIS, WICHITA, KANS. Services for problem drinking drivers.
- R18AA-00169-03 (ALC) TOMSON, JOHN V, WAZEE CENTER, 2162 LAWRENCE STREET, DENVER, COLO. Wazee Center Skid Row Community Demonstration Program.
- R18AA-00172-02 (MHSS) STEVENS, JOHN W, DEPT OF INDIAN AFFAIRS, AUGUSTA, MAINE. Maine Indian alcoholism field survey.
- R18AA-00174-03 (MHSS) VOGT, JANICE L, COLORADO DEPARTMENT OF HEALTH, 4210 EAST 11TH AVE, DENVER, COLO. Services for problem drinking drivers.
- R18AA-00175-03 (MHSS) HATCHELL, RALPH, S C COMMISSION ON ALCOHOLISM, 1611 DEVONSHIRE DR BOX 4616, COLUMBIA, S C. Services for problem drinking drivers.
- R18AA-00176-03 (ALC) SHOPNER, JAMES R, COLUMBUS DEPT OF PUBLIC HEALTH, P O BOX 2299, COLUMBUS, GA. Services for problem drinking drivers.
- R18AA-00177-03 (ALC) WILLIAMS, CHARLES L, PAN AMERICAN HEALTH ORG, WASHINGTON, D C. Epidemiology of alcoholism in Latin America.
- R18AA-00177-03 0001 (ALC) WILLIAMS, CHARLES L. Epidemiology of alcoholism in Latin America—Drinking patterns and alcoholism in Latin America.
- R18AA-00177-03 0002 (ALC) WILLIAMS, CHARLES L. Epidemiology of alcoholism in Latin America—Prevention of traffic accidents.
- R18AA-00177-03 0003 (ALC) WILLIAMS, CHARLES L. Epidemiology of alcoholism in Latin America—Centers for the study of alcohol and alcoholism.
- R18AA-00178-03 (ALC) MC COURT, WILLIAM F, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. Family of alcoholics—Communication and control.
- R01AA-00179-03 (ALC) BIGELOW, GEORGE E, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. Alteration of alcoholics' behavior.
- R01AA-00180-02 (ALC) ABLOM, JOAN, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHIATRY, SAN FRANCISCO, CALIF. Religion, ethnicity and family response to alcoholism.
- R18AA-00181-03 (ALC) GOTTHEL, EDWARD, JEFFERSON MEDICAL COLLEGE, 1025 WALNUT STREET, PHILADELPHIA, PA. Mood, memory and drinking in alcoholic patients.
- R01AA-00183-03 (ALC) MC QUEEN, J DONALD, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. Influence of acute alcoholism on brain injury (dogs, monkeys).
- R01AA-00185-03 (ALC) PELZ, DONALD C, UNIVERSITY OF MICHIGAN, POST OFFICE BOX 1248, ANN ARBOR, MICH. Drinking and social stress in driving of young adults.
- R01AA-00186-03 (ALC) PIETRUSZKO, E REGINA, RUTGERS UNIVERSITY, CENTER OF ALCOHOL STUDIES, NEW BRUNSWICK, N J. Alcohol inducible effects and liver ADH isoenzymes (rats, human).
- R01AA-00187-03 (ALC) BUTTERS, NELSON M, VETERANS ADMINISTRATION HOSP, 150 SO HUNTINGTON AVE, BOSTON, MASS. Memory impairment of alcoholic Korsakoff patients.
- R01AA-00188-03 (ALC) FRENCH, SAMUEL W, UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER 8, CANADA. Ethanol-induced changes in brain mitochondria (rats).
- R01AA-00189-03 (ALC) VOLICER, LADISLAV, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Role of cyclic AMP in ethanol action (rats).
- R01AA-00190-02 (ALC) SMITH, ALFRED A, NEW YORK MED COLL, FIFTH AVE AND 106TH STREETS, NEW YORK, N Y. Beta-adrenergic blockade in alcoholism treatment (human).
- R01AA-00191-03 (ALC) DRUM, DAVID E, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Biochemical properties of human liver metalloenzymes.
- R01AA-00192-03 (ALC) CHEY, WILLIAM Y, GENESSEE HOSPITAL, 224 ALEXANDER STREET, ROCHESTER, N Y. Hypersecretion of acid in alcoholism (dogs, rabbits).
- R01AA-00193-02 (ALC) GREENELL, ROBERT G, UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE, BALTIMORE, MD. An approach to the action of alcohol in the CNS (squid, rats).
- R01AA-00194-03 (ALC) SHANBOUR, LINDA L, UNIV OF TEXAS MED SCHOOL, 102 JESSE JONES LIBRARY BLDG, HOUSTON, TEX. Effects of alcohol on gastric mucosa.
- R01AA-00194-03 0001 (ALC) JOHNSON, LEONARD R. Effects of alcohol on gastric mucosa—Topical alcohol on chronic dogs.
- R01AA-00194-03 0002 (ALC) SHANBOUR, LINDA L. Effects of alcohol on gastric mucosa—Electrophysiological studies (rats, dogs).
- R01AA-00194-03 0003 (ALC) SHANBOUR, LINDA L. Effects of alcohol on gastric mucosa—Enzymatic processes (dogs, rabbits).
- R01AA-00194-03 (ALC) HILLMAN, ROBERT S, HARBORVIEW MEDICAL CENTER, 325 NINTH AVENUE, SEATTLE, WASH. Alcohol induced defects in pyridoxine and folate metabolism (human, rats).
- R01AA-00199-03 (ALC) MENDELSON, JACK H, MCLEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. Beta adrenergic blocking agents in treatment of alcoholism (human).
- R01AA-00200-03 (ALC) WALKER, DON W, UNIVERSITY OF FLORIDA, BOX 723 JHM HEALTH CENTER, GAINESVILLE, FLA. Neurobiological correlates of chronic alcohol consumption (mice, rats).
- R01AA-00201-03 (ALC) MADDREY, WILLIS C, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Alcoholic hepatitis (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01AA-00202-03 (ALC) MEKHJIAN, HAGOP S, UNIVERSITY HOSPITAL, 410 W 10TH AVE, COLUMBUS, OHIO. Effect of ethanol on jejunal function (human).
- R01AA-00203-03 (ALC) WISE, ROY A, 657 BELMONT AVENUE, WESTMOUNT P O, CANADA. Brain stimulation and alcohol preference (rats).
- R01AA-00204-03 (MET) BEITZ, RONALD C, UNIVERSITY OF NORTH CAROLINA, DEPT OF BIOCHEMISTRY, CHAPEL HILL, N C. Alcohol and diet effects on lipid metabolism in heart (rats).
- R01AA-00205-10 (MET) HENLEY, KEITH S, UNIVERSITY OF MICHIGAN, MEDICAL SCHOOL, ANN ARBOR, MICH. Effects of ethanol in cirrhosis and the fatty liver (rats).
- R12AA-00209-07 (ALC) GUZE, SAMUEL B, 4940 AUDUBON AVENUE, ST LOUIS, MO. Washington University Alcoholism Research Center.
- R12AA-00209-07 0001 (ALC) ROBINS, LEE N. Washington University Alcoholism Research Center-Aging, suicide, and alcoholism-Comparison between Whites and Blacks.
- R12AA-00209-07 0002 (ALC) GUZE, SAMUEL B. Washington University Alcoholism Research Center-Alcoholism and criminality (women).
- R12AA-00209-07 0003 (ALC) GOODWIN, DONALD. Washington University Alcoholism Research Center-Psychiatric illness in siblings of chronic alcoholics.
- R12AA-00209-07 0004 (ALC) WINOKUR, GEORGE. Washington University Alcoholism Research Center-Genetic studies in alcoholism (human).
- R12AA-00209-07 0005 (ALC) GOODWIN, DONALD. Washington University Alcoholism Research Center-State-dependent effects of alcohol in chronic alcoholics.
- R12AA-00209-07 0006 (ALC) GOODWIN, DONALD. Washington University Alcoholism Research Center-Psychological and physicochemical correlates of alcoholic blackouts.
- R12AA-00209-07 0007 (ALC) CICERO, THEODORE. Washington University Alcoholism Research Center-Effects of alcohol and the biogenic amines on volitional alcohol intake (rats).
- R12AA-00209-07 0008 (ALC) CICERO, THEODORE. Washington University Alcoholism Research Center-Effects of chronic alcohol intake on the brain during development (rats).
- R12AA-00209-07 0009 (ALC) ROBINS, ELL. Washington University Alcoholism Research Center-Brain biochemistry in human alcoholism and in animals drinking excessively (rats).
- R12AA-00209-07 0010 (ALC) HARTMAN, BOYD. Washington University Alcoholism Research Center-Chronic alcohol administration and enzymes in catecholamine metabolism in rats.
- R12AA-00209-07 0011 (ALC) STEWART, A. Washington University Alcoholism Research Center-Endocrinologic study of alcoholic men.
- R12AA-00209-07 0012 (ALC) GUZE, SAMUEL B. Washington University Alcoholism Research Center-Alcoholism and psychiatric care.
- R12AA-00209-07 0013 (ALC) GUZE, SAMUEL B. Washington University Alcoholism Research Center-Vietnam drug use and alcoholism.
- R12AA-00209-07 0014 (ALC) ROBINS, ELL. Washington University Alcoholism Research Center-Alcoholism diagnosis (human).
- R12AA-00209-07 0015 (ALC) GUZE, SAMUEL B. Washington University Alcoholism Research Center-Animal alcoholism (dogs, rats).
- P01AA-00211-13 (ALC) BACON, SELDEN D, RUTGERS UNIVERSITY, CENTER OF ALCOHOL STUDIES, NEW BRUNSWICK, N J. Rutgers center of alcohol studies (documentation).
- P01AA-00212-06 (ALC) PARDEES, ALONSO, OKLAHOMA MEDICAL RESEARCH FDN, P O BOX 26901, OKLAHOMA CITY, OKLA. Oklahoma center for alcohol related studies.
- P01AA-00212-06 0001 (ALC) PARSONS, OSCAR A. Oklahoma center for alcohol related studies-Neuropsychological concomitants of alcohol ingestion (human).
- P01AA-00212-06 0002 (ALC) WILLIAMS, HAROLD. Oklahoma center for alcohol related studies-Effects of alcohol and sleep loss (human).
- P01AA-00212-06 0003 (ALC) LESTER, BOYD A. Oklahoma center for alcohol related studies-Bioelectric patterns of sleep (human).
- P01AA-00212-06 0004 (ALC) HOLLOWAY, FRANK A. Oklahoma center for alcohol related studies-Effects of ethanol on behavior and the CNS (rats, cats).
- P01AA-00212-06 0005 (ALC) SASOON, HUMPHREY F. Oklahoma center for alcohol related studies-Metabolism and metabolic factors (swine).
- P01AA-00212-06 0006 (ALC) PISHKIN VLADIMIR. Oklahoma center for alcohol related studies-Cognitive functioning in alcoholism (human).
- R01AA-00215-08 (ALC) SENTER, RODERICK J, UNIVERSITY OF CINCINNATI, DEPARTMENT OF PSYCHOLOGY, CINCINNATI, OHIO. Habituation to alcohol (rats).
- R01AA-00217-07 (ALC) PIEPER, WALTER A, YERKES REGIONAL PRIMATE RES CR, EMORY UNIVERSITY, ATLANTA, GA. Chronic alcohol consumption in primates (chimpanzees).
- R01AA-00224-06 (ALC) LIEBER, CHARLES S, VETERANS ADMIN HOSPITAL, 130 WEST KINGSBRIDGE ROAD, BRONX, N Y. Pathogenesis and treatment of alcohol-induced diseases (human, monkeys, rats).
- R01AA-00225-07 (ALC) HINES, JOHN D, CLEVELAND METRO GEN HOSPITAL, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Hematologic and metabolic studies in alcoholism (human, rats).
- R01AA-00226-07 (ALC) DAVIS, VIRGINIA E, VETERANS ADMIN HOSPITAL, 2002 HOLCOMBE BOULEVARD, HOUSTON, TEX. Effects of alcohol on biogenic amine metabolism (rodents, human).
- R01AA-00231-05 (ALC) ELLIS, FRED W, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Alcohol intoxication and dependence in animals (monkeys, dogs, rats).
- R01AA-00232-06 (ALC) JESSOR, RICHARD, INSTITUTE OF BEHAVIORAL SCI, UNIVERSITY OF COLORADO, BOULDER, COLO. Socialization of problem behavior in youth.
- R01AA-00233-04 (ALC) VON WARTBURG, JEAN P, UNIVERSITY OF BERNE, BUHLSTRASSE 28, BERNE, SWITZERLAND. Alcohol and aldehyde metabolizing dehydrogenases (human, rats).
- R01AA-00239-06 (ALC) ISSELBACHER, KURT J, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Effects of alcohol on liver and intestine.
- R01AA-00239-06 0001 (ALC) ISSELBACHER, KURT J. Effects of alcohol on liver and intestine-Lipid and lipoprotein metabolism (rats, human).
- R01AA-00239-06 0002 (ALC) ISSELBACHER, KURT J. Effects of alcohol on liver and intestine-Adaptive and drug-induced alterations in ethanol metabolism (rats, human).
- R01AA-00239-06 0003 (ALC) ISSELBACHER, KURT J. Effects of alcohol on liver and intestine-Membrane-transport studies (rats).
- R01AA-00242-06 (ALC) REGAN, TIMOTHY J, COLLEGE OF MED & DENT OF N J, 100 BERGEN STREET, NEWARK, N J. Alcoholism and diseases of the heart.
- R01AA-00242-06 0001 (ALC) REGAN, TIMOTHY J. Alcoholism and diseases of the heart-Animal studies (dogs, monkeys).
- R01AA-00242-06 0002 (ALC) REGAN, TIMOTHY J. Alcoholism and diseases of the heart-Human studies.
- R01AA-00244-05 (ALC) PERRINE, MERVYN W, UNIVERSITY OF VERMONT, DEPT OF PSYCHOLOGY, BURLINGTON, VT. Alcohol and perceptual cognitive behavior (human).
- R01AA-00247-06 (ALC) INGLE, DAVID J, MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. Alcohol disinhibition in the visual system (frogs).
- R01AA-00248-05 (ALC) SHAYER, JOYCE C, ROOSEVELT HOSPITAL, 428 W 59TH STREET, NEW YORK, N Y. Adrenal function in alcoholism (human).
- R01AA-00249-04 (ALC) LINDENBAUM, JOHN, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Alcoholism and intestinal malfunction (rats, human).
- R01AA-00251-04 (ALC) MOSKOWITZ, HERBERT A, UNIV OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Alcohol effects on driving, perception and attention.
- R01AA-00252-05 (ALC) NOBLE, ERNEST P, UNIV OF CALIFORNIA, COLLEGE OF MEDICINE, IRVINE, CALIF. Alcohol and brain macromolecules (mice, rats).
- RD1AA-00253-04 (ALC) FALK, JOHN L, RUTGERS UNIV DEPT OF PSYCHOL, 88 COLLEGE AVENUE, NEW BRUNSWICK, N J. Ethanol dependence-Behavior and physiology (rats, monkeys).
- R01AA-00256-05 (ALC) GOODWIN, DONALD W, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Psychiatric illness in adopted children of alcoholics.
- R01AA-00257-05 (ALC) SMITH, ALFRED A, NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AND 106TH STREET, NEW YORK, N Y. Respiratory-depressive effects of ethanol (mice).
- R01AA-00259-04 (ALC) NATHAN, PETER E, ALCOHOL RESEARCH LABORATORY, RUTGERS UNIV - HEIGHTS CAMPUS, NEW BRUNSWICK, N J. Behavioral treatment of alcoholism-Research and development (human).
- R01AA-00261-04 (ALC) BAER, PAUL E, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Avoidance conditioning of alcoholics (human).
- R01AA-00262-04 (ALC) STRICKHOLM, ALFRED, INDIANA UNIVERSITY, ANATOMY & PHYSIOLOGY DEPT, BLOOMINGTON, IND. Action of alcohol and related substances on nerve (invertebrates).
- R01AA-00263-04 (ALC) DEITRICH, RICHARD A, UNIV COLO MEDICAL CENTER, 4200 EAST 9TH AVENUE, DENVER, COLO. Aldehyde metabolism and ethanol addiction (rabbits, mice, rats).
- R01AA-00266-04 (ALC) COLLINS, MICHAEL A, LOYOLA UNIVERSITY, 2160 S FIRST AVENUE, MAYWOOD, ILL. Acetaldehyde-Neural amine reactions during alcoholism.
- R01AA-00267-05 (ALC) SCHENKER, STEVEN, VANDERBILT UNIV SCHOOL OF MED, 21ST AVENUE SOUTH, NASHVILLE, TENN. Alcohol and its metabolic effects (rats, dogs, human).
- R01AA-00272-04 (ALC) COWAN, DALE H, CLEVELAND MET GENERAL HOSPITAL, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Platelet utilization and metabolism in alcoholism (human).
- R01AA-00275-04 (ALC) CAHALAN, DON, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, BERKELEY, CALIF. Longitudinal study of changes in drinking problems (human).
- R01AA-00279-04 (ALC) PLAPP, BRYCE V, UNIVERSITY OF IOWA, DEPT OF BIOCHEMISTRY, IOWA CITY, IOWA. Specific activators of liver alcohol dehydrogenase (horses, human, rats).
- R01AA-00280-03 (ALC) PEBKE, HARMAN V, LANGLEY PORTER NEUROPSY INST, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Alcohol and aggression in a model system (fish).
- R01AA-00281-03 (ALC) MALMSTROM, EDWARD J, WRIGHT INSTITUTE, 2728 DURANT AVENUE, BERKELEY, CALIF. Alcohol and habituation of the orienting response.
- R01AA-00282-03 () CZERLINSKI, GEORGE H, 4-065 WARD BUILDING, 303 E CHICAGO AVENUE, CHICAGO, ILL. Control of the action of liver alcohol dehydrogenase.
- R01AA-00287-04 (ALC) RUBIN, EMANUEL, MOUNT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE AND 100TH STREET, NEW YORK, N Y. Effects of alcohol on subcellular organelles of liver (rats, rabbits).
- R01AA-00288-03 (MET) THURMAN, RONALD G, JOHNSON RESEARCH FOUNDATION, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA. Interaction of drug and ethanol metabolism (perfused liver, rats).
- R01AA-00289-04 (ALC) DAVIS, ELDRED J, INDIANA UNIVERSITY, 1100 WEST MICHIGAN ST, INDIANAPOLIS, IND. Effects of ethanol on liver metabolism (rabbits).
- R01AA-00290-03 (ALC) LUDWIG, ARNOLD M, MM368 MEDICAL SCIENCE BUILDING, UNIV OF KENTUCKY MEDICAL CTR, LEXINGTON, KY. Emotional and pharmacological influences on craving (human).
- R01AA-00291-03 (ALC) MENDELSON, JACK M, ALCOHOL & DRUG ABUSE RES CTR, MCLEAN HOSPITAL, BELMONT, MASS. Behavioral and biological correlates of alcoholism (human).
- R01AA-00292-04 (ALC) CHANCE, BRITTON, UNIVERSITY OF PENNSYLVANIA, JOHNSON RESEARCH FDN, PHILADELPHIA, PA. The enzyme-substrate compound of catalase in alcoholism (animals).
- R01AA-00293-03 (ALC) MC CLEARN, GERALD E, UNIVERSITY OF COLORADO, INST FOR BEHAVIORAL GENETICS, BOULDER, COLO. Alcohol and behavior-A genetic and biochemical study (rodents, monkeys).
- R01AA-00296-03 (ALC) POHORECKY, LARISSA A, ROCKEFELLER UNIVERSITY, 66 STREET & YORK AVENUE, NEW YORK, N Y. Effects of alcohol on monoamine metabolism (rats).
- R01AA-00297-03 (ALC) GINSBURG, BENSON E, DEPT OF BEHAVIORAL SCIENCES, UNIVERSITY OF CONNECTICUT, STORRS, CONN. Zygotic and uterine mediated effects of alcohol (mice).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01AA-00299-03 (ALC) THOMPSON, TRAVIS I, UNIVERSITY OF MINNESOTA, BOX 392 MAYO, MINNEAPOLIS, MINN. Variables related to ethanol self-administration (rats, monkeys).

R01AA-00301-03 (ALC) STERN, JOHN A, BEHAVIOR RESEARCH LAB, 1420 GRATAN STREET, ST LOUIS, MO. Alcohol intake, search activity and driver performance.

R01AA-00302-02 (ALC) DEUTSCH, J ANTHONY, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Alcohol, tolerance and memory.

R01AA-00302-02 0001 (ALC) DEUTSCH, J ANTHONY. Alcohol, tolerance and memory-Systematic metabolic rebound during alcohol and barbiturate withdrawal (rats).

R01AA-00302-02 0002 (ALC) DEUTSCH, J ANTHONY. Alcohol, tolerance and memory-Voluntary alcohol intake as a measure of metabolic factors in withdrawal (rats).

R01AA-00202-02 0003 (ALC) DEUTSCH, J ANTHONY. Alcohol, tolerance and memory-Taste or systemic effects in alcohol preference (rats).

R01AA-00302-02 0004 (ALC) DEUTSCH, J ANTHONY. Alcohol, tolerance and memory-Taste or systemic effects in consumption of alcohol under stress (rats).

R01AA-00302-02 0005 (ALC) DEUTSCH, J ANTHONY. Alcohol, tolerance and memory-Effect of alcohol on memory (mice).

R01AA-00302-02 0006 (ALC) DEUTSCH, J ANTHONY. Alcohol, tolerance and memory-Is the amnesic effect of alcohol exerted on cholinergic system (mice).

R01AA-00303-02 (ALC) HABERMAN, PAUL W, COLUMBIA UNIVERSITY, 630 WEST 168TH ST, NEW YORK, N Y. Alcoholics among decedents in New York City.

R01AA-00204-02 (ALC) BING, RICHARD J, HUNTINGTON INST/APPL MED RES, 734 FAIRMOUNT AVENUE, PASADENA, CALIF. Effect of alcohol on the heart (dogs, monkeys, cats).

R01AA-00209-02 (ALC) DI LUZZO, NICHOLAS R, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Alcohol and reticuloendothelial function (rats, human).

R01AA-00211-03 (ALC) ALLEN, RICHARD P, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. Metabolic and psychological factors in alcoholism.

R01AA-00311-03 0001 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Recovery of slow wave sleep during alcohol abstinence.

R01AA-00011-03 0004 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Sleep and cognitive characteristics during normal drinking and abstinence.

R01AA-00311-03 0005 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Sleep in alcoholics and nonalcoholics exposed to the same alcohol consumption.

R01AA-00211-03 0006 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-EEG sleep and behavioral indicators of addiction (human).

R01AA-00211-03 0007 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Sleep and cognitive factors in prolonged ad libitum drinking (human).

R01AA-00311-03 0008 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Sleep and cognition in alcohol drinking and withdrawal-Dosage (human).

R01AA-00211-03 0009 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Cognitive tolerance to the effects of ethanol.

R01AA-00311-03 0010 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-State dependent phenomena in social interactions and related cognition.

R01AA-00311-03 0011 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Temporal processes in alcoholics.

R01AA-00311-03 0012 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Follow up studies (human).

R01AA-00211-03 0013 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-REM changes and hallucinations in relation to extraocular potentials (human).

R01AA-00311-03 0014 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Emotional and cognitive changes during alcohol consumption and REM deprivation.

R01AA-00311-03 0015 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Alcohol-induced transitory loss of long-term memory.

R01AA-00311-03 0016 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Hypomagnesemia and psychological factors in alcoholism (human).

R01AA-00311-03 0017 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Drug treatment of sleep disorders in alcoholism (human).

R01AA-00311-03 0018 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Phasic and non-phasic sleep during alcohol consumption and withdrawal.

R01AA-00311-03 0019 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Amplitude changes for delta frequency and fast delta in sleep of alcoholics.

R01AA-00211-03 0020 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-MMPi changes in alcoholics during drinking and sobriety.

R01AA-00311-03 0021 (ALC) ALLEN, RICHARD P. Metabolic and psychological factors in alcoholism-Vigilance effects-Modification of procedures.

R01AA-00312-03 (ALC) GLASS, GEORGE B, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVENUE, NEW YORK, N Y. Acute and chronic gastric mucosal injury due to alcohol.

R01AA-00312-03 0001 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Effects of excessive alcohol intake on gastric mucosa (mice, rats, guinea pigs).

R01AA-00312-03 0002 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Potentialiation by alcohol of acute mucosal injury caused by stress (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01AA-00312-03 0003 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Mechanism of gastric mucosal injury caused by alcohol (rats, guinea pigs).

R01AA-00312-03 0004 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Abnormalities in gastric secretion preceding alcoholic injury (guinea pigs, rat).

R01AA-00312-03 0005 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Prevention by anti-inflammatory and vasodepressive drugs, (rats).

R01AA-00312-03 0006 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Sequelae of recurrent acute gastric mucosal injury by alcohol (rat, guinea pigs).

R01AA-00312-03 0007 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Acute gastric mucosal lesions with bleeding following excessive acute intake.

R01AA-00312-03 0008 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Other causes for acute gastric mucosal lesions and bleeding in acute alcoholics.

R01AA-00312-03 0009 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Relationship of acute and/or chronic alcohol intake to chronic gastritis (human).

R01AA-00312-03 0010 (ALC) GLASS, GEORGE B. Acute and chronic gastric mucosal injury due to alcohol-Therapy of atrophic gastritis with intestinal metaplasia in alcoholics.

R01AA-00316-01 (ALC) RUBIN, EMMANUEL, MOUNT SINAI SCHOOL OF MEDICINE, 100TH ST AND FIFTH AVENUE, NEW YORK, N Y. Effects of alcohol on skeletal and cardiac muscle (human, primates).

R01AA-00317-01 (ALC) WESTERMEYER, JOSEPH J, UNIV OF MINNESOTA HOSPITALS, MINNEAPOLIS, MINN. Sociometric profile of alcoholism.

R01AA-00318-01 (ALC) WECHSLER, HENRY, THE MEDICAL FOUNDATION, INC, 29 COMMONWEALTH AVENUE, BOSTON, MASS. Alcohol and other drug use among teenagers.

R01AA-00322-01 (ALC) HERMAN, MARY M, STANFORD UNIV SCHOOL OF MED, DEPT OF PATHOLOGY, STANFORD, CALIF. Ethanol-intracellular effects on in vitro (CNS) (mice).

R01AA-00323-03 (ALC) THORRELL, KAROLINSKA INSTITUTE, SOLNVAAGEN 1, 104 01 STOCKHOLM 60 SWEDEN. Prevention of adverse metabolic effects of alcohol.

R01AA-00325-01 (ALC) VAN HORSSEN, GARY W, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Ethanol effects and thiamine deficiency.

R01AA-00326-01 (ALC) GREIZERSTEIN, HEBE B, RESEARCH INST ON ALCOHOLISM, 1525 MILLERSPORT HIGHWAY, WILLIAMSVILLE, N Y. Mechanisms of tolerance to ethanol (fish).

R01AA-00329-01 (ALC) ROSENBERG, CHAIM M, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Effects of disulfiram-marijuana in alcoholism (human).

R01AA-00331-01 (ALC) FELDMAN, DANIEL J, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Alcohol use among Orange County Chicano groups.

R01AA-00332-01 (ALC) MACGREGOR, ROB B, 552 JOHNSON PAVILION, U OF PENNSYLVANIA SCH OF MED, PHILADELPHIA, PA. Infection and host defense mechanisms in alcoholism (human).

R01AA-00334-01 (ALC) WEINBRUGER, NORMAN M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOBIOLOGY, IRVINE, CALIF. Effects of alcohol on electrical activity of brain (cats).

R01AA-00338-01 (ALC) MUNSAT, THEODORE L, LAC/USC MEDICAL CENTER, 1200 N STATE STREET, BOX 502, LOS ANGELES, CALIF. Effects of ethyl alcohol on striated muscle (human, rats).

R18AA-00261-02 (ASRB) WESTON, RICHARD, 161 SCHOOL STREET, CHICOPEE, MASS. C and ROP alcoholism program.

R18AA-00367-02 (ASRO) YATES, ALAN R, MENTAL HEALTH & M R SERVICES, STATE OFFICE BUILDING, CHEYENNE, WYO. Occupational alcoholism services.

R01AA-00368-01 (ALC) ROACH, MARY K, TEXAS RES INST MENTAL SCIENCES, 1300 MOORSUND AVENUE, HOUSTON, TEX. Alcohol dependence-Synaptic neurotransmitter uptake.

R01AA-00372-01 (ALC) ANDERSEN, NIKAAN B, UNIVERSITY HOSPITALS, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Alcohol and serotonin on sodium fluxes (human, toads).

R01AA-00373-01 (ALC) KLEMAN, WILLIAM R, BIOLOGICAL SCIENCES BUILDING, TEXAS A&M UNIVERSITY, COLLEGE STATION, TEX. Alcohol effects on nerve impulse activity on brain.

R01AA-00376-01 (ALC) PEBKE, HARMAN V, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHIATRY, SAN FRANCISCO, CALIF. An alcohol dependence model (rats).

R01AA-00379-01 (ALC) LIEBSON, IRA A, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. Opiate addiction and alcoholism-Concurrent treatment.

R01AA-00380-02 (ALC) CORRIGAN, EILEEN M, RUTGERS UNIVERSITY, GRAD SCHOOL OF SOCIAL WORK, NEW BRUNSWICK, N J. Women and alcohol.

R01AA-00381-01 (ALC) KREBS, HANS A, RUFFIELD DEPT OF MEDICINE, UNIVERSITY OF OXFORD, OXFORD, ENGLAND. Effects of ethanol on amino acid metabolism (rats).

R01AA-00383-01 (ALC) CAHALAN, DON, SOCIAL RESEARCH GROUP, 1912 BONITA AVENUE, BERKELEY, CALIF. Analytic review of cross-culture studies on alcohol.

R01AA-00388-01 (ALC) NESBITT, MURIEL N, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Cellular mapping of behavioral traits (mice).

R01AA-00391-01 (ALC) MASSERMAN, JULES H, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. Effects of alcohol on neurotogenic behavior (monkeys).

R01AA-00397-01 (ALC) KOPELL, BERT S, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Brain response in alcoholics during drinking cycles.

R18AA-00398-02 (MHSR) FROST, DOROTHY L, HILLSBOROUGH COUNTY HOSPITAL, 5906 NORTH 30TH STREET, TAMPA, FLA. Services for problem drinking drivers.

R18AA-00402-01 (ASRO) WENTZEL, RICHARD C, CONSULTANT, NATIONAL COUNCIL, 300 NORTH FIFTH STREET, READING, PA. Personnel guidance service.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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R18AA-00408-03 (MHSS) GRACE, N BURTON, 114 LAYMAN STREET, MC LEAN, VA. Washington Hospital Center-Alcoholism program.

R18AA-00409-03 (MHSS) WEAR, GARY, OCCUPATIONAL HEALTH CENTER, 4425 WEST MAIN STREET, KALAMAZOO, MICH. Comprehensive occupational alcoholism program.

R18AA-00412-03 (MHSS) POMEROY, JAMES D, INDUSTRIAL MEDICAL FOUNDATION, 399 EAST CHURCH STREET, MARIAN, OHIO. Troubled employee health evaluation plan.

R18AA-00414-03 (MHSS) SCHOENHAAR, WILLIAM H, DEPARTMENT OF PERSONNEL, 301 WEST PRESTON STREET, BALTIMORE, MD. Maryland state employees alcoholism program.

R18AA-00417-01 (ASRO) MACBETH, JESSE F, N C A GREATER SAN DIEGO AREA, P O BOX 20852, SAN DIEGO, CALIF. Employee assistance program.

R18AA-00425-02 (MHSS) DUDLEY, RUTH H, 515 WATCHUNG AVENUE, PLAINFIELD, N.J. Plainfield Public Welfare Department.

R18AA-00430-03 (MHSS) ROEBKE, KEITH, WILLMAR, MINN. Project catalyst.

R18AA-00434-03 (MHSS) AGUILAR, JOSE L, PROJECT BRAVO, INC, 716 NORTH PIEDRAS, EL PASO, TEX. Alcoholism outreach and follow-up project (El Paso).

R18AA-00435-03 (MHSS) PITCHFORD, MARLIN K, MARYWOOD COLL SCH OF SOC WORK, 2300 ADAMS AVENUE, SCRANTON, PA. Demonstration prevention, outreach and training program (alcoholism).

R18AA-00439-01 (ASRB) BESSE, ARTHUR J, 804 TEWER AVE, P O BOX 554, SUPERIOR, WIS. Intermediate care facility - training related.

R18AA-00453-03 (MHSS) PIERCE, CHARLES A, BELL COUNTY MH/MR CENTER, 2 N 4TH ST, TEMPLE, TEXAS. Services for problem drinking drivers.

R18AA-00454-03 (MHSS) MAGARIEL, DIANE, COMM ALCOHOL PROG OF KC, INC, VFW BLDG 34TH & BROADWAY, KANSAS CITY, MO. Services for problem drinking drivers.

R18AA-00455-03 (MHSS) SLAPE, M E, AUKEEN DISTRICT COURT, 810 - 28TH N E, AUBURN, WASH. Services for problem drinking drivers.

R01AA-00456-03 (ALC) SUGERMAN, A ARTHUR, CARRIER CLINIC FOUNDATION, P O BOX 147, BELLE MEAD, N.J. Prediction of outcome in alcoholics.

R18AA-00457-03 (ALC) AZRIN, NATHAN H, ANNA STATE HOSPITAL, 1000 NORTH MAIN ST, ANNA, ILL. Community reinforcement for treating alcoholics.

R01AA-00458-03 (ALC) BROOKS, RICHARD M, SUICIDE PREVENTION SERVICE, 2730 ARDEN WAY, SUITE 234, SACRAMENTO, CALIF. Identifying and treating the self-destructive drinker.

R18AA-00460-03 (MHSS) SHEA, JOHN J, 317 CONGRESS STREET, PORTLAND, MAINE. Services for problem drinking drivers.

R18AA-00461-03 (ASRB) AIKEN, ROBERT F, BOX 535, WATERBURY, VT. Services for problem drinking drivers.

R18AA-00462-01 (ASRB) PETTY, LEON E, BANTON BUILDING, 3000 NEWPORT GAP PIKE, WILMINGTON, DEL. Services for problem drinking drivers.

R18AA-00464-03 (MHSS) GROGAN, THOMAS S, JR, HAMILTON CTY COMM MNTL HLTH BD, 222 EAST CENTRAL PKWY, CINCINNATI, OHIO. Services for problem drinking drivers.

R18AA-00466-03 (MHSS) ARGERIOU, MILTON, BOSTON ASAP, 211 CONGRESS STREET, BOSTON, MASS. Services for problem drinking drivers.

R18AA-00470-01 (ASRB) BARKLEY, DONALD W, ST JOHN'S MC NAMARA HOSP, 1018 - 11TH STREET, RAPID CITY, S DAK. Services for problem drinking drivers.

R18AA-00472-02 (ALC) MC GOWAN, JANICE M, PACIFIC MEDICAL CENTER, CLAY & WEBSTER STREETS, SAN FRANCISCO, CALIF. Evaluation of outpatient care for alcoholics.

R18AA-00479-03 (MHSS) O'BRIANT, ROBERT G, SAN JOAQUIN GENERAL HOSPITAL, P O BOX 1020, STOCKTON, CALIF. Residential detoxification center for alcoholics.

R18AA-00481-03 (MHSS) RUTLEDGE, ROBERT A., HUNTSVILLE-MADISON MNTL HLTH, 218 RANDOLPH AVENUE, HUNTSVILLE, ALA. Alcoholic offender program for Madison County (Alabama).

R18AA-00483-03 (ALC) KLINE, NATHAN S, ROCKLAND STATE HOSPITAL, RESEARCH CENTER, ORANGETOWN, N.Y. Evaluation of lithium in chronic alcoholic patients.

R18AA-00484-03 (MHSS) TOWERS, SISTER ANNA, WOMEN'S REHAB ASSN SAN MATEO, 2584 HAMPTON AVENUE, REDWOOD CITY, CALIF. Early intervention for women with a drinking problem.

R18AA-00485-03 (MHSS) PADILLA, JOE A, RECOVERY OF ALCOHOLICS PROGRAM, 417 EAST PALACE AVE, SANTA FE, N MEX. Demonstration-tri-cultural alcoholism treatment program.

R18AA-00487-03 (ALC) MAXWELL, MILTON A, RUTGERS UNIVERSITY, CENTER OF ALCOHOL STUDIES, NEW BRUNSWICK, N.J. Utilization of A in a comprehensive alcoholism system.

R01AA-00492-03 (ALC) TRICE, HARRISON M, CORNELL UNIVERSITY, NYS SCH OF INDUST & LABOR REL, ITHACA, N.Y. Supervisor reactions to alcohol problems and policies.

R18AA-00493-02 (ALC) DAILY, JOHN M, PLANNING ANALYSIS & RES INST, 4138 ROYAL CREST PLACE, ENCINO, CALIF. Problem drinking of urban Indians.

R01AA-00494-03 (ALC) ROMAN, PAUL M, TULANE UNIVERSITY, 21 NEWCOMB HALL, NEW ORLEANS, LA. Supervisory reactions to alcohol problems and policies.

R01AA-00495-02 (ALC) SELZER, MELVIN L, UNIVERSITY OF MICHIGAN, DEPT OF PSYCHIATRY, RM D3213, ANN ARBOR, MICH. Development of a structural evaluation of drunk drivers.

R01AA-00496-03 (ALC) MAULTSBY, MAXIE C, UNIVERSITY OF KENTUCKY, PSYCHIATRY OUTPATIENT CLINIC, LEXINGTON, KY. Self-help techniques in the treatment of alcoholics.

R01AA-00498-03 (ALC) HAMBURG, DAVID A, STANFORD UNIVERSITY, DEPT OF PSYCHIATRY, STANFORD, CALIF. Clinical studies of alcohol use and abuse.

R01AA-00498-03 0001 (ALC) MOOS, RUDOLF H. Clinical studies of alcohol use and abuse-Assessing psychotherapeutic and community environments.

R01AA-00498-03 0002 (ALC) MELGES, FREDERICK T. Clinical studies of alcohol use and abuse-Future oriented psychotherapy and olfactory aversive conditioning (human).

R01AA-00498-03 0003 (ALC) YALOM, IRVIN D. Clinical studies of alcohol use and abuse-Group psychotherapy with alcoholics.

R01AA-00498-03 0004 (ALC) BING, ELIZABETH. Clinical studies of alcohol use and abuse-Personality and motivations of adolescents associated with alcohol drinking.

R01AA-00498-03 0009 (ALC) ZARCONI, VINCENT P JR. Clinical studies of alcohol use and abuse-Sleep indices and 5-hydroxytryptophan effects in prognosis of alcoholism (human).

R01AA-00498-03 0010 (ALC) KOPELL BERT S. Clinical studies of alcohol use and abuse-Brain responses and memory in alcoholics.

R01AA-00498-03 0011 (ALC) BARCHAS, JACK D. Clinical studies of alcohol use and abuse-Biogenic amines and alcohol (human, mice).

R01AA-00498-03 0012 (ALC) KESSLER SEYMOUR. Clinical studies of alcohol use and abuse-Alcoholism-Genetic aspects (human).

R01AA-00498-03 0014 (ALC) ADAMS, JOHN E. Clinical studies of alcohol use and abuse-Alcohol-violence clinic.

R01AA-00498-03 0015 (ALC) KOPELL, BERT S. Clinical studies of alcohol use and abuse-Influence of various drugs, including alcohol, on violent behavior (human).

R01AA-00498-03 0016 (ALC) MOOS, RUDOLF, H. Clinical studies of alcohol use and abuse-Comparative evaluation of alcohol treatment programs.

R01AA-00498-03 0017 (ALC) KAKIHANA, RYOKO. Clinical studies of alcohol use and abuse-Adrenocortical effects of alcohol in mice.

R01AA-00498-03 0018 (ALC) CLAYTON, RAYMOND B. Clinical studies of alcohol use and abuse-Basic studies of the endocrine differences between two strains of mice.

R18AA-00502-01 (ASRB) MOLIHAN, KEITH F, IRONTON-LAWRENCE CNTY AREA ORG, 516 VERNON STREET, IRONTON, OHIO. Community alcoholism services poverty program.

R18AA-00503-03 (MHSS) MEYER, JAMES, WESTERN MICHIGAN COMPRE HLTH, P O BOX 175, 5817 S M-37, BALDWIN, MICH. Western Michigan comprehensive alcoholism services.

R18AA-00504-03 (MHSS) BURNHAM, JAMES F, OPPORTUNITIES, INC, BOX 569, WATONGA, OKLA. Alcoholism program.

R18AA-00507-02 (MHSS) CLOQUET, JOSEPH E, SMALL TRIBES ORG OF W WASH, 33324 PACIFIC HIGHWAY SOUTH, FEDERAL WAY, WASH. Community alcoholism services.

R18AA-00510-03 (MHSS) LABUFF, STEPHEN, CHEMAWA INDIAN SCHOOL, 3428 HAZELGREEN RD, N. E., SALEM, OREG. Chemawa alcoholism education program.

R18AA-00511-02 (MHSS) AGOYO, HERMAN, EIGHT NORTHERN INDIAN PUEBLOS, P O BOX 927, SAN JUAN PUEBLO, N MEX. Community alcoholism program.

R18AA-00512-01 (ASRI) KEPLIN, ERNEST S, NATIVE AMERICAN THERAPY CENTER, 1525 WEST NINTH, SPOKANE, WASH. Native American therapy center (alcoholism).

R18AA-00513-03 (MHSS) CYPRESS, BILLY, MICCOSUKEE TRIBE OF FLORIDA, BOX 44021, TAMIAHI STATION, MIAMI, FLA. Miccosukee alcoholism services program.

R18AA-00515-03 (MHSS) BARR, DONALD LYNN, HUALAPAI CAP, P O BOX 233, PEACH SPRINGS, ARIZ. Hualapai alcoholism project.

R18AA-00516-03 (MHSS) MIYASATO, GEORGE W, POST OFFICE BOX 8-727, P O BOX 3-717, ANCHORAGE, ALASKA. The Anchorage native half-way house.

R18AA-00518-03 (MHSS) BOURSAY, ANN M, SUPERIOR INDIAN ASSOCIATION, 604 TOWER AVENUE, SUPERIOR, WISC. Superior Indian association AA GA-WEIN (No) group.

R18AA-00521-01 (ASRI) WEBSTER, ADAM O, AMERICAN INDIAN MOVEMENT, P O BOX 3445, GREENBAY, WIS. Indian community alcoholism program.

R18AA-00522-02 (ASRI) CHASE, DOUGLAS E, UTE MOUNTAIN CMNTY ACTION PROG, UTE MOUNTAIN TRIBE, TOWAAC, COLO. Ute Mountain CAP-Alcohol Department.

R18AA-00523-02 (MHSS) SCHOPEN, FRANCIS T, STANDING ROCK SIOUX TRIBE, TRIBAL BUILDING, FORT YATES, N DAK. Standing Rock comprehensive program.

R18AA-00525-03 (ASRI) CAMP, LEO J, SACRAMENTO INDIAN CENTER, 2404 21ST STREET, SACRAMENTO, CALIF. Sacramento Indian center alcoholism awareness project.

R18AA-00527-03 (MHSS) WISON, JERRY, ALL INDIAN PUEBLO CNCL, INC, 1000 INDIAN SCHOOL ROAD NW, ALBUQUERQUE, N MEX. New Mexico inter-tribal council on social problems.

R18AA-00530-03 (MHSS) LOCKLEAR, HERBERT H, AMERICAN INDIAN STUDY CTR, INC, 211 SOUTH BROADWAY, BALTIMORE, MD. Community alcoholism services Indian program.

R18AA-00532-01 (ASRI) SCUDERO, BONNIE G, METLAKATLA INDIAN COMMUNITY, P O BOX 8, METLAKATLA, ALASKA. Metlakatla Indian community alcoholism services.

R18AA-00533-03 (MHSS) WILKIE, BRUCE A, SEATTLE PUBLIC SCHOOLS, 815 4TH AVE, N, SEATTLE, WASH. Alcohol awareness as it affects the Indian child.

R18AA-00535-03 (MHSS) WOODS, ALFRED, BOX 75, TOK, ALASKA. Upper Tanana region alcohol and drug program.

R18AA-00536-03 (ASRI) SIMMS, JUNIOR, ALCOHOLISM & DRUG ABUSE, INC, 816 EAST 6TH STREET, TULSA, OKLA. Community alcoholism services Indian program.

R18AA-00537-03 (MHSS) WILSON, GEORGE, 728 BROADWAY, SEATTLE, WASH. Seattle Indian alcoholism program.

R18AA-00538-01 (ASRI) SHAWCHUCK, NORMAN L, TURTLE MT COUN & REHAB CENTER, P O BOX 520, BELCOURT, N DAK. Comprehensive alcoholism treatment program.

R18AA-00539-03 (MHSS) WERAMY, RALPH, AMERICAN INDIAN CTR OF DALLAS, 9694 FOREST LANE, APT 138, DALLAS, TEX. Indian alcoholism program.

R18AA-00540-03 (MHSS) STOPP, BOB B, CHEROKEE NATION TRIBAL OFFICE, POST OFFICE BOX 119, TAHLEQUAH, OKLA. Cherokee Nation-Alcoholism guidance center program.

R18AA-00542-02 (MHSS) CLAY, CALVIN, CLEVELAND AMER IND COM AL SERV, 2031 WEST 30TH, CLEVELAND, OHIO. Cleveland American Indian community alcoholism services.

R18AA-00543-03 (MHSS) HAWKINS, GEORGE H, P O BOX 151, P O BOX 151, BESSIE, OKLA. Cheyenne-Arapaho alcoholic rehabilitation center.

R18AA-00544-03 (MHSS) COMMAND, HARRY F, AMERICAN INDIAN SERVICES, 6 VICTOR, HIGHLAND PARK, MICH. American Indian Services, Inc..

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R18AA-00545-03 (MHSS) PEARSON, EARL E, SALT RIVER PIMA-MARICOPA COM. ROUTE 1, BOX 110, SCOTTSDALE, ARIZ. Salt River community alcoholism program.	R18AA-00606-02 (ASRP) PURTWENGLER, WILLIS J, HOLLAND PATENT CENTRAL SCHOOL, HOLLAND PATENT, N. Y. Responsible drinking practices in a rural community setting.
R18AA-00546-02 (MHSS) DENT, WALTER M, PUEBLO OF ACOMA TRIBAL COUNCIL, P O BOX 64, SAN FIDEL, N. MEX. Pueblo of Acoma alcoholism and treatment program.	R18AA-00606-02 (ASRB) JACKSON, CARROLL H, 523 1/2 FEDERAL STR P O BOX 40, BLUEFIELD, W. VA. Community alcoholism services poverty program.
R18AA-00547-03 (MHSS) PEO, ANTHONY, NATIVE AMERICAN REHAB ASSN, 3829 SOUTHEAST 64TH, PORTLAND, OREG. Community alcoholism services Indian program.	R18AA-00606-02 (ASRB) LEONARD, DOROTHY LOUISE E, LINCOLN TOTAL CA, INC, P O BOX 767, RUSTON, LA. Alcoholism rehabilitation.
R18AA-00551-01 (ASRI) LUPKINS, JOHN, BOX 374, PETOSKEY, MICH. Comprehensive Indian alcoholism and social services program.	R18AA-00611-02 (ASRI) SANDOVAL, MAURICE E, P O BOX 147, DULLE, N. MEX. Jicarilla apache alcoholism program.
R18AA-00552-03 (MHSS) ALLEY, DENNIS, ANADARKO AMERICAN INDIAN SPEC, P O BOX 937, ANADARKO, OKLA. American Indian special services project.	R18AA-00612-02 (ASRB) BAICKER, KENNETH E, 101 SOUTH TAYLOR, MASON CITY, IOWA. North Iowa alcoholism coordinating center (human).
R18AA-00553-03 (MHSS) RED BIRD, HAROLD, COMM ON ALCOHOL & DRUG ABUSE, BOX 777, EAGLE BUTTLE, S DAK. Cheyenne River alcohol and drug abuse program.	R18AA-00613-02 (ASRB) MEEHAN, LINDA, LOWELL HOUSE INC, 102-108 APPLETON STREET, LOWELL, MASS. Community alcoholism services poverty program.
R18AA-00555-03 (MHSS) ANALLA, TIMOTHY P, LAGUNA SERVICE CENTER, P O BOX 298, LAGUNA, N. MEX. Laguna alcoholism program.	R18AA-00614-02 (ASRI) BULLIS, JOSEPH, SAN CARLOS APACHE TRIBE, BOX 0, SAN CARLOS, ARIZ. Alcoholism treatment and prevention program.
R18AA-00557-03 (MHSS) JOSEPH, HAROLD, JR, NATIVE AMER FOR COMNTY ACTION, P O BOX 572, FLAGSTAFF, ARIZ. Indian program.	R18AA-00615-02 (ASRB) BAUER, HERBERT J, 1020 ASSINIBOINE, HAVRE, MONT. Community alcoholism services.
R18AA-00558-03 (MHSS) INKANISH, CLARK, INDIAN RECOVERY, BOX 148, PAWNEE, OKLA. North central inter-tribal community health project.	R18AA-00616-02 (ASRB) SULLIVAN, PHIL, DILWORTH & AMES, GLENDIVE, MONT 59330. Eastern Montana alcoholism program.
R18AA-00559-03 (MHSS) KING, RUDOLPH SR, INTERTRIBAL ALCOHOLISM TREATME, BLDG 24, V A HOSPITAL, SHERIDAN, WYO. Intertribal alcoholism treatment center.	R18AA-00618-02 (ASRI) ABRAHAMSON, KATHLEEN, TRIBAL OFFICES, WELL-PHNT, WASH. Spokane Indian alcoholism program.
R18AA-00560-03 (MHSS) LIVERMORE, EARL E, NAT AMER ALCHSM & DRG ABS PROG, 1615 HIGH ST, OAKLAND, CALIF. Native American alcoholism and drug abuse program.	R18AA-00619-02 (ASRB) PINKHAM, JUDITH G, WALDO CNTY, 67 CHURCH STREET, BELFAST, MAINE. Waldo-Knox alcoholism counseling and recovery program.
R18AA-00562-03 (ASRI) EAGLE, RAYMOND, UMATILLA INDIAN RESERVATION, P O BOX 1473, PENDELTON, OREG. Umatilla tribal alcohol program.	R18AA-00620-02 (ASRB) LESS, GARY G, RIVER VALLEY, INC, BOX 1310. Tri-county aid to alcoholics project (tri-county AAP).
R18AA-00663-03 (MHSS) BUFFALO, GEORGE, 300 STATE STREET, TAMA, IOWA. Mesquaque program on problem drinking.	R18AA-00621-02 (ASRB) TURNBAUGH, WILLIAM F, 200 NORTH STREET, BURLINGTON, VT. Alcoholism project.
R18AA-00564-03 (MHSS) ALLEN, FRANCIS I, FRIENDSHIP HOUSE, 1340 GOLDEN GATE AVENUE, SAN FRANCISCO, CALIF. Friendship House Community Rehabilitation Center.	R01AA-00622-01 (ALC) CARMAN, RODERICK S, UNIVERSITY OF WYOMING, BOX 3415, UNIVERSITY STATION, LARAMIE, WYO. Patterns of alcohol use in rural communities.
R18AA-00567-03 (MHSS) BEGAY, EUGENE A, UNITED SOUTHEASTERN TRIBES-INC, 1970 MAIN STREET, WOOD BLDG, SARASOTA, FLA. USET-Education in comprehensive alcoholism programs.	R18AA-00628-02 (ASRI) SKENANDORE, AMY, AMERICAN INDIAN CENTER, 4512 NORTH SHERIDAN RD, CHICAGO, ILL. Alcoholism and drug abuse program and treatment.
R18AA-00669-01 (ASRI) DRIVING HAWK, EDWARD J, AIN DAH ING INC, LAC COURT OREILLES RIZ BOX 281, STONE LAKE, WIS. AIN DAH ING Community alcoholism services.	R18AA-00624-02 (ASRB) CHRISTIANSON, GLENIS O, BI-CNTY COMM ACTION COUNCIL, INC, BOX 553, BEMIDJI, MINN. Alcoholism, counselling and treatment.
R18AA-00570-01 (ASRI) PARSONS, JEAN L, HASKELL ALUMNI ASSOC, HASKELL INDIAN JR COLLEGE, LAWRENCE, KANS. Haskell Indian alcohol prevention treatment program.	R18AA-00625-02 (ASRI) WILKINSON, DELORES, THREE AFFILIATED TRIBES, NEW TOWN, N DAK. Three affiliated tribes alcoholism rehabilitation program.
R18AA-00575-03 (MHSS) MARTINEZ, FREDERIC M, SIX SANDOVAL IND PUEBLOS, INC, P O BOX 580, BERNALILLO, N. MEX. Sandoval County Indian pueblos alcoholism program.	R01AA-00626-01 (ALC) MEZEY, ESTEBAN, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. Alcoholism metabolism and hepatic fibrogenesis.
R18AA-00576-03 (MHSS) DOWELL, TOM W, 501 FIRST NE, MIAMI, OKLA, QUAPAW, OKLA. Inter-tribal alcoholism and rehabilitation program (Oklahoma).	R18AA-00628-02 (ASRI) STONE, HAROLD, COMMUNITY ACTION PROGRAM, BOX 413 CROW TRIBE, CROW AGENCY, MONT. Crow tribe alcoholism program.
R18AA-00577-01 (ASRI) AITKEN, CHARLES J, WHITE EARTH RESERVATION, BUSINESS COMMITTEE, WHITE EARTH, MINN. White earth reservation alcoholism program.	R01AA-00630-01 (ALC) SCHEIG, ROBERT, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Effects of ethanol on lipid metabolism.
R18AA-00578-03 (ASRI) CHINO, WENDELL, MESCALERO APACHE TRIBE, BOX 176, MESCALERO, N. MEX. Mescalero alcoholism project (New Mexico).	R01AA-00631-01 (ALC) NAKANO, JIRO, DEPARTMENT OF PHARMACOLOGY, 800 N E 13TH ST, P O BOX 26901, OKLAHOMA CITY, OKLA. Ethnic differences in the effect of ethanol.
R18AA-00079-01 (ASRI) SMALL, MARK E, EMC CISEL HALL BOX 564, 1500 NORTH 30TH STREET, BILLINGS, MONT. Montana Indian commission on alcoholism.	R01AA-00632-01 (ALC) WEINER, SHILDON, UNIVERSITY OF VERMONT, DEPARTMENT OF PSYCHIATRY, BURLINGTON, VT. Alcohol and interactional patterns in marital dyads.
R18AA-00580-03 (MHSS) BURNETTE, ROBERT, PRESIDENT, ROSEBUD SIOUX TRIBE, ROSEBUD, S DAK. Rosebud Sioux Alcohol Control Program, Inc.	R03AA-00634-01 (MSM) TAYLOR, STUART P, DEPARTMENT OF PSYCHOLOGY, KENT STATE UNIVERSITY, KENT, OHIO. Alcohol and physical aggression (human).
R18AA-00582-03 (MHSS) FRANK, JOEL, SEMINOLE TRIBE, 6073 STIRLING ROAD, HOLLYWOOD, FLA. Seminole Comprehensive Alcoholism Program.	R01AA-00642-01 (ALC) BIDDLE, BRUCE J, CTR FOR RES IN SOCIAL BEHAVIOR, 111 E STEWART ROAD, COLUMBIA, MO. Norms and behavior, alcohol, and youth culture.
R18AA-00583-02 (MHSS) ANTONI, RALPH, PAPAGO HEALTH PROGRAMS, P O BOX 278, SELLS, ARIZ. Papago alcoholism prevention program.	R01AA-00643-01 (ALC) BULL, DAVID M, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Lymphocyte reactivity in liver disease (human/animals).
R18AA-00584-03 (MHSS) ORTIZ, JOSEPH H, 837 23RD STREET, DENVER, COLO. Tepee Center Group Inc.	R01AA-00647-01 (ALC) FRIED, EARL X, V A HOSPITAL, ALCOHOL RESEARCH LAB, LYONS, N. J. Conflict and alcohol-An animal model.
R18AA-00585-01 (ASRI) DAKOTA, FREDERICK, KEWEENAW BAY INDIAN TRIBAL CO, TRIBAL CTR BUILDING RT 1, BARAGA, MICH. Keweenaw Bay Indian center alcoholism program.	R01AA-00649-01 (ALC) GALAMBOS, JOHN T, 69 BUTLER STREET, S E, ATLANTA, GA. Hepatic fibroblast activity in alcoholic hepatitis.
R18AA-00588-02 (ASRI) MYERS, EVELYN, RURAL ALASKA CMNTY ACT PRO, DRAWER 412 ECB, ANCHORAGE, ALASKA. Alcoholism-cultural heritage program.	R18AA-00651-02 (ASRB) DASCH, CATHERINE, JEFF DAVIS COMMUNITY ACT, INC, POST OFFICE BOX 1106, JENNINGS, LA. Community alcoholism services poverty program.
R18AA-00594-03 (MHSS) ROAK, JOHN C, JR, DIAGNOSTIC REHABILITATION CTR, 304 ARCH STREET, PHILADELPHIA, PA. Community alcoholism services-Public inebriate program.	R18AA-00622-02 (ASRB) CONVERSE, PATRICK, NORTHWEST WIS. CAA, INC, BOX 554, SUPERIOR, WIS. Poverty alcoholism program.
R18AA-00595-03 (MHSS) ZIEBOLD, BRUCE, SKOD ROAD COMMUNITY COUNCIL, 624 FIRST AVENUE, SEATTLE, WASH. Seattle skid road public inebriate program.	R18AA-00653-02 (ASRI) ROWLAND, ALLEN, NORTHERN CHEYENNE TRIBAL COUNCIL, POST OFFICE BOX 381, LAME DEER, MONT. Northern Cheyenne alcoholism project.
R18AA-00596-03 (MHSS) HURT, ALEXANDER P, EAST END HOTEL, INC, P O BOX 1482, BALTIMORE, MD. Baltimore comprehensive public inebriate program.	R18AA-00654-02 (ASRB) PADILLA, JOSE, CITIZENS HEALTH AFFAIRS PROG, 240 SHOTWELL ST, SAN FRANCISCO, CALIF. Mission unity group.
R18AA-00597-03 (MHSS) RINGLIEN, GRANT, SOCIAL DEVELOPMENT COMMISSION, 161 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Community alcoholism services public inebriate program.	R01AA-00656-01 (ALC) FISHER, ROBERT S, TEMPLE UNIV HEALTH SCI CTR, 3401 N BROAD STREET, PHILADELPHIA, PA. Effects of alcohol on upper intestinal sphincters (human, animals).
R18AA-00599-01 (MHSS) FAIRCLOUGH, PETER, COMPREHENSIVE ALC REHAB PROG, 315 WILDEMER ROAD, WEST PALM BEACH, FLA. Small city public inebriate program.	R01AA-00660-01 (ALC) SPECTOR, MARTIN, 2136 LOCUST ST, PHILA, PA. Torsion swing tests with alcohol.
R18AA-00601-01 (ASRB) ROCKS, DONALD W, 2525 S W THIRD AVE, PORTLAND, OREG. Portland public inebriate demonstration project.	R01AA-00663-01 (ALC) NAGASAWA, HERBERT T, VETERANS ADMINISTRATION HOSP, 54TH STREET & 48TH AVE, SOUTH, MINNEAPOLIS, MINN. Sulf-hydryl amino acids on ethanol metabolism (animals).
R18AA-00602-01 (ASRB) MITCHELL, WALTER C, SOUTHEASTERN REG MENTAL HLTH C, 209 WEST 28TH STREET, LUMBERTON, N. C. Public inebriate service.	R01AA-00664-01 (ALC) BESSMAN, SAMUEL P, UNIVERSITY OF SOUTHERN CALIF, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Metabolic interactions of ethanol and hydroxybutyrate.
R18AA-00603-03 (MHSS) CARRUTH, F BRUCE, BOARD OF TRUSTEES, UNIV OF ARK, FAYETTEVILLE, ARK. Services for problem drinking drivers.	R01AA-00667-01 (ALC) DIXIT, BALWANT N, UNIVERSITY OF PITTSBURGH, 809 SALK HALL, PITTSBURGH, PA. Effect of alcohol on glucuronide conjugation of drugs (animals).
R18AA-00605-03 (MHSS) WARD, JAMES L, COMMUNITY ADDICTION SERV AGEN, 140 EAST 36TH STREET, INDIANAPOLIS, IND. Services for problem drinking drivers.	R18AA-00663-02 (ASRB) MIKELL, CHARLES D, CMNTY ACTION PITTSBURGH, INC, 107 SIXTH STREET, PITTSBURGH, PA. Alcohol counseling and recovery program.
	R18AA-00669-02 (ASRI) GEORGE, NEAL, QUINULT TRIBAL CMNTY ACTION, POST OFFICE BOX 1118, TAHOOLA, WASH. Northwest costal tribes-Alternatives to alcoholism.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R18AA-00670-02 (ASRI) WHITE, ROY C, NEZ PERCE TRIBE CMNTY ACT PROG, POST OFFICE BOX 365, LAPWAI, IDAHO. Alcoholism rehabilitation program.	R18AA-00735-01 (ASRB) JENSEN, GARY F, UTAH ST DIV OF ALC AND DRUGS, 2875 SOUTH MAIN ST, SALT LAKE CITY, UTAH. Utah state prison alcohol treatment program.
R18AA-00671-02 (ASRI) GASCO, CLARENCE W, MICHIGAN 2ND COMM ACT PROG, 700 N STATE ST, ST JONACE, MICH. ITC alcoholism rehabilitation program.	R18AA-00737-01 (ASRO) RENNICK, SYLVIA G, TOWN OF NORTH HAVEN, 18 CHURCH STREET, NORTH HAVEN, CONN. North Haven community employee program.
R18AA-00674-02 (ASRP) GLASHAGEL, JERRY, AKRON YMCA, 80 W CENTER STREET, AKRON, OHIO. National YMCA alcohol education project.	R18AA-00739-02 (ASRB) GILMER, DORIS, 7829 EUCLID AVENUE, CLEVELAND, OHIO. Operation newstart (human).
R18AA-00479-01 (ASRB) STENIECK, JACK, DIVISION OF MENTAL HEALTH, STATEHOUSE, BOISE, IDAHO. Services for problem drinking drivers.	R18AA-00740-02 (ASRB) ALDRICH, LISETTE A, SOUTHCENTRAL CAP, INC, P O BOX 6, LAKE ANDES, S DAK. Alcoholism prevention and referral service (human).
R18AA-00580-01 (ASRB) CHANG, HELEN H, CASA DE LAS AMIGAS, 175 OAK KNOLL AVENUE, PASADENA, CALIF. Quarter-house continuum care demonstration project.	R18AA-00741-02 (ASRB) TERRIAN, JAMES C, HEALTH DEPT, COMMUNITY BUILDING, NEWBERRY, MICH. Community alcoholism services poverty program.
R18AA-00582-01 (ASRB) WHITTAKER, DAVID A, COUNCIL ON ALCOHOLISM, 206 WILLIAM HOWARD TAFT ROAD, CINCINNATI, OHIO. Alcoholism treatment project-Mental health services.	R18AA-00742-02 (ASRB) FERGUSON, ETHEL L, PALM BEACH CTY CMNTY ACTION, 1340 WEST EIGHTH STREET, RIVIERA BEACH, FLA. Community action program on alcoholism (CAPA).
R01AA-00683-01 (ALC) WAGNER, JOHN G, ROOM 3705, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Effect of food on blood levels of ethyl alcohol.	R18AA-00743-02 (ASRB) PURCELL, VICTOR A, COMMUNITY DEVELOPMENT AGENCY, 349 BROADWAY, NEW YORK, N Y. New York City Community Development Agency alcoholism information depots.
R01AA-00687-01 (ALC) SCHLESS, ARTHUR P, VETERANS ADM HOSPITAL, UNIVERSITY AND WOODLAND AVE, PHILADELPHIA, PA. Treatment of alcoholism.	R18AA-00744-02 (ASRB) SMOOT, LARRY, 58-60 IONIA, S W, GRAND RAPIDS, MICH. Alcoholic incentive ladder program.
R01AA-00608-01 (ALC) KUZMA, JAN W, SCHOOL OF PUBLIC HEALTH, LOMA LINDA UNIVERSITY, LOMA LINDA, CALIF. Alcohol use during pregnancy and pregnancy outcome (human).	R18AA-00746-01 (ASRI) ROBINSON, MICHELE P, NORTH AMER INDIAN ALLIANCE, 72 E PARK PLAZA, BUTTE, MONT. Indian program alcoholism counseling.
R18AA-00691-02 (ASRI) BLACKSMITH, JOSEPH C, LOWER BRULE SIOUX TRIBE, ALCOHOLISM COMMISSION, LOWER BRULE, S DAK. Lower Brule Alcoholism Program.	R18AA-00750-01 (ASRI) ROBERTS, ALBERT D, COUNTY OF SAN JOAQUIN, COURTHOUSE, ROOM 707, STOCKTON, CALIF. San Joaquin County Indian alcoholism program.
R18AA-00692-02 (ASRB) CLASH, MARY E, DORCHESTER CMNTY DEVELOP CORP, 445 RACE STREET, CAMBRIDGE, MD. Community alcoholism services poverty program.	R18AA-00760-01 (ASRB) BAIRD, DAVID J, 4121 DAYTON AVENUE NORTH, SEATTLE, WASH, SEATTLE, WASH. Stonewall-alcoholic rehabilitation.
R18AA-00593-02 (ASRB) FLEMING, ELDRIDGE E, 830 SOUTH GLOSTER STREET, TUPELO, MISS. Community Alcoholism Services Poverty Program.	R18AA-00771-01 (ASRB) STRAUSS, ROGER S, WASHINGTON CO MH SERVICES INC, 100 EAST STATE STREET, MONTPELIER, VT. Owl region rural alcohol demonstration program.
R18AA-00695-02 (ASRB) TAYLOR, EVE, 85 LANDER ST, P O BOX 1477, NEWBURGH, N Y. NCAC Alcohol Program.	R18AA-00773-01 (ASRB) MACDUFF, DAVID L, 110 GREEN STREET, LYNN, MASS, LYNN, MASS. Alcohol intervention program of greater Lynn (Massachusetts).
R18AA-00696-02 (ASRB) UMOREN, ASUQUIG P, PLATTE VALLEY CMNTY ACT, INC, 610 EAST 4TH ST-BOX 1288, GRAND ISLAND, NEBR. Community alcoholism services poverty program.	R18AA-00776-01 (ASRB) BLACK, CLARK G, CMNTY ACTION MIGRANT PROGRAM, 3521 W BROWARD BLVD, SUITE 10, FORT LAUDERDALE, FLA. Transitional alcoholic halfway house.
R01AA-00697-01 (ALC) PERRINE, MERVYN W, UNIVERSITY OF VERMONT, JOHN DEWEY HALL, DEPT OF PSY, BURLINGTON, VT. Influence of alcohol upon control use during driving.	R18AA-00781-01 (ASRI) CORIZ, JULIAN, SANTO DOMINGO TRIBE, SANTO DOMINGO PUEBLO, SANTO DOMINGO, N MEX. Santo Domingo alcoholism treatment and education program.
R01AA-00699-01 (ALC) GESSNER, PIOTR K, STATE UNIV OF N Y AT BUFFALO, 122 CAPEN HALL, BUFFALO, N Y. Pharmacological parameters pertinent to alcoholism.	R18AA-00782-01 (ASRI) GRANT, BILL, CHILOCCO INDIAN SCHOOL, CHILOCCO, OKLA. Chilocco Indian alcoholism education program.
R01AA-00701-02 (ALC) MATFIELD, GEORGE M, COLLEGE OF PHARMACY, WASHINGTON STATE UNIVERSITY, PULLMAN, WASH. An investigation of coprinus atramentarius.	R18AA-00786-01 (ASRO) HINCHLIFFE, J ARTHUR, COLUMBUS HEALTH DEPT, 181 S WASHINGTON BLVD, COLUMBUS, OHIO. Employee alcoholic program.
R18AA-00702-02 (ASRC) GILCREASE, CLEVELAND, PORTLAND METRO STEERING COMM, 1110 S E ALDER STREET, PORTLAND, OREG. Alcoholism counseling and recovery program.	R18AA-00793-02 (ASRB) BRASSI, CHARLES L, ACTION FOR BOSTON CMNTY DEV, 150 TREMONT STREET, BOSTON, MASS. A community response to alcoholism.
R18AA-00704-01 (ASRC) ADKISON, ROB L, 103 1/2 LOCUST STREET, P O BOX 248, DARDANELLE, ARK. Arkansas River Valley alcoholism program.	R18AA-00794-01 (ASRC) WILLIAMS, JOSHUA W, MACON CNTY CMNTY ACT AGENCY, 100 EASTSIDE STREET, TUSKEGEE, ALA. Alcoholism rehabilitation center for Macon County, Alabama.
R18AA-00706-01 (ASRI) WATKINS, DONALD G, UNITED INDIAN HEALTH SERVICES, 340 W 7TH STREET, EUREKA, CALIF. Community alcoholism services indian program (California).	R18AA-00797-01 (ASRI) COOK, LAWRENCE, U S PUBLIC HEALTH SERVICE HOSP, WINNEBAGO, NEBR. Omaha tribe of Nebraska alcoholism program.
R18AA-00709-02 (ASRI) EAGLE, SHEPHERD, CROW CREEK SIOUX TRIBE, ALCOHOLISM COMMISSION, FORT THOMPSON, S DAK. Crow Creek alcoholism program.	R18AA-00798-02 (ASRI) CURRAN, WILLIAM E, QUECHAM TRIBAL COUNCIL, P O BOX 1169, YUMA, ARIZ. Ft Yuma Council on Alcoholism and Drug Abuse.
R18AA-00710-02 (ASRB) BRIGHT, LEROY, COLUMBUS METRO AREA ACT ORG, 315 E LONG STREET, COLUMBUS, OHIO. Community alcoholism services poverty program.	R18AA-00799-01 (ASRO) NIMMER, FRED W, GREATER AKRON COUNCIL ON ALC, 177 S BROADWAY, AKRON, OHIO. Manpower maintenance.
R18AA-00713-02 (ASRB) WEBB, G RICHARD, 1035 NORTH SUPERIOR STREET, TOLEDO, OHIO. Community alcoholism service poverty program.	R18AA-00801-01 (ASRC) BROWN, CHARLES H, CARTER COUNTY GUIDANCE CLINIC, 14 K STREET S W, ARDMORE, OKLA. Five county demonstration for treatment of alcoholism.
R18AA-00714-02 (ASRB) CARLSON, ROY V, TOMPKINS CNTY ECON OPPORT CORP, 318 NORTH ALBANY STREET, ITHACA, N Y. Alcohol recovery program.	R18AA-00803-02 (ASRB) BLOCK, DONALD S, ECON & YOUTH OPPORT AGENCY, 314 WEST SIXTH ST, LOS ANGELES, CALIF. Alcoholism counseling and recovery program.
R18AA-00715-02 (ASRB) CUNNINGHAM, JOHN J, NAPA COUNTY COUNCIL FOR ECONOM, 4215 SOLANO AVENUE, NAPA, CALIF. Napa Council on alcoholic problems.	R18AA-00804-01 (ASRI) VALLO, DAVID M, RURAL ALCOHOLISM PROGRAM, 2991 FULTON AVENUE, SACRAMENTO, CALIF. Comprehensive alcohol rehabilitation program.
R18AA-00716-02 (ASRB) ENGLISH, GEORGE R, 1355 CENTER STREET, MOBILE, ALA. Community alcoholism rehabilitation and education program.	R18AA-00805-01 (ASRB) LOVATO, HENRY V, DENVER OPPORTUNITY, INC, 1525 JOSEPHINE ST, DENVER, COLO. Alcoholic rehabilitation and counseling program.
R18AA-00717-02 (ASRI) MITCHELL, PAUL, COMMUNITY ACTION PROGRAM, ROCKY BOY ROUTE, BOX ELDER, MONT. Rocky Boy alcoholism program.	R18AA-00808-01 (ASRC) SCHONLAU, F, CLARE FOUNDATION, INC, 844 PICO BOULEVARD, SANTA MONICA, CALIF. Alcoholism community service education and advocacy.
R18AA-00718-02 (ASRB) HILL, BARBARA, CMNTY ACT-CAPE COD & ISLANDS, MARY DUNN ROAD, HYANNIS, MASS. Community action committee alcohol rehabilitation program.	R18AA-00317-01 (ASRO) DAVENPORT, MAURICE R, NATL CNCL ON ALCOHOLISM, DVA, 3401 MARKET ST, RM 2204, PHILADELPHIA, PA. Info Now-24 hour crisis intervention plan (Delaware valley).
R18AA-00720-02 (ASRB) ADAMS, WILLIAM A, PROGRESSIVE COMM CLUB, INC, 200 EAST MAIN STREET, ABINGDON, VA. Progressive community club, Inc.	R18AA-00818-01 (ASRB) GAY, MARY, POLK CNTY BOARD OF SUPERVISORS, 725 6TH AVENUE, DES MOINES, IOWA. Identification/treatment alcoholic in court system.
R18AA-00721-02 (ASRI) CAMPBELL, HAROLD, CONFED SALISH & KOOTENAI TRIBE, FLATHEAD SUB-AGENCY, DIXON, MONT. Comprehensive alcoholism services.	R18AA-00319-01 (ASRO) MEYER, CHARLES A, CIVIL SERVICE COMMISSION, 612 CITY-COUNTY BUILDING, DETROIT, MICH. Detroit Civil Service demonstration project.
R18AA-00722-02 (ASRB) GODBOLT, JOSEPH B, ALCOHOLIC REHABILITATION CNTR, 412 LIBERTY ST, SCHENECTADY, N Y. Community alcoholism services program (human).	R18AA-00822-01 (ASRB) SMITH, CARL DELTA C A A, INC, 200 S WALNUT ST P O DR 352, TALLULAH, LA. Community alcoholism services poverty program.
R18AA-00727-02 (ASRB) ROBERTSON, ELLA L, ECONOMIC OPPORTUNITY BOARD, 900 WEST OWENS AVE, LAS VEGAS, NEV. Community Alcoholism Services Poverty Program.	R18AA-00324-02 (ASRP) MILLER, DOROTHY L, SCIENTIFIC ANALYSIS CORP, 4339 CALIFORNIA STREET, SAN FRANCISCO, CALIF. Children of alcoholics.
R18AA-00728-01 (ASRB) RANALES, FRANK, COMM HEALTH TASK FORCE, 310 N SALSIPUEDES STREET, SANTA BARBARA, CA. Community alcoholism service-Provert program.	R18AA-00825-02 (MHSR) HUGGINS, HAROLD R, LOUISVILLE & JEFFERSON COUNTY, 1348 S THIRD ST, LOUISVILLE, KY. Community alcoholism services poverty program.
R18AA-00732-01 (ASRB) WALLACE, DARRELL E, ELMONT COOPERATIVE CENTER, 490 HEMPSTEAD TURNPIKE, ELMONT, N Y. Elmont alcoholic treatment center.	R18AA-00326-02 (MHSR) AHERN, JOHN F, CITY COUNCIL-ALCOHOL & DRUG AB, 1143 DRUID PARK AVE, AUGUSTA, GA. Community alcoholism services poverty program.
R18AA-00733-01 (ASRB) CLARK, WILLIAM D, CASPAR, INC, 1493 CAMBRIDGE STREET, CAMBRIDGE, MASS. Public inebriate program.	R18AA-00827-02 (MHSR) SANDLIN, THOMAS, CITY HALL, DADEVILLE, ALA. Community alcoholism services poverty program.
R18AA-00734-01 (ASRB) DE LUCA, RICHARD J, CATHOLIC SOCIAL SERVICES OF SF, 2940 16TH STREET, SAN FRANCISCO, CALIF. Community alcoholism services in low income areas.	R18AA-00828-02 (MHSR) MONTE, JOSEPH E, JEFFERSON CTY COMM, ECON OPPOR, 2308 4TH AVENUE, NORTH, BIRMINGHAM, ALA. Alcoholism counseling and recovery program.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R18AA-00329-02 (MHSR) EWING, DONALD P, COMMUNITY ADVANCEMENT, INC, P O BOX, BATON ROUGE, LA. Alcoholic rehabilitation program (action).	R03AA-00892-01 (ALC) WESTERMEYER, JOSEPH J, UNIVERSITY OF MINNESOTA, DEPARTMENT OF PSYCHIATRY, MINNEAPOLIS, MINN. Urban Chippewa alcoholics-A clinical survey.
R18AA-00331-02 (MHSR) STANTON, JAMES R, GARRETT CNTY CMNTY ACTION COMM, P O BOX 149, OAKLAND, MD. Garrett County Alcoholism Services.	R18AA-00894-01 (ASRI) HUNTINGTON, ROGER, GALENA CITY COUNCIL, BOX 12, GALENA, ALASKA. Village Alcoholism Service.
R18AA-00832-01 (ASRI) DAVIS, PAUL W, COPPER RIVER NATIVE ASSOC, INC, BOX 823, COPPER CENTER, ALASKA. Copper River Alcoholism Control Program.	R18AA-00900-01 (ASRI) MILLER, GEORGE, JR, POST OFFICE BOX 3839, KENAI, ALASKA. Kenai native ass'n alcoholism project.
R18AA-00834-02 (ASRB) BROWN, QUINTON B, 717 SOUTH 4TH STREET, PHILADELPHIA, PA. Alcoholism counseling and recovery.	R18AA-00901-02 (MHSR) POWLESS, HERBERT G, 2452 WEST VLIET STREET, MILWAUKEE, WIS. Indian alcoholism and drug abuse outreach.
R18AA-00835-02 (ASRI) GARCIA, RUBY T, 285 GODDARD AVENUE, IGNACIO, COLO. Southern Ute alcoholism program.	R01AA-00902-01 (ALC) SLOVITER, HENRY A, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Effects of ethanol on brain.
R18AA-00836-02 (ASRI) MILLS, RAY D, 836 EAST SECOND STREET, RENO, NEV. Inter-Tribal Council of Nevada alcoholism program.	R18AA-00902-01 (ASRI) ROSE, CLIFFORD, HEART OF AMERICA INDIAN CTR, 3220 INDEPENDENCE AVENUE, KANSAS CITY, MO. Indian alcohol program.
R18AA-00037-02 (ASRB) SWEET, RICHARD S, CAA OF MEMPHIS & SHELBY COUNTY, 97 N THIRD ST, MEMPHIS, TENN. Alcoholism rehabilitation project.	R18AA-00907-02 (ASRB) MITCHELL, ALLEN J, GULF ASST PROG OF SW LA, INC, POST OFFICE BOX 3049, LAKE CHARLES, LA. Alcoholic counseling and recovery program.
R18AA-00338-02 (ASRB) CLARK, WILLIAM, CAMBRIDGE HOSP ALCOHOLISM PROG, 1493 CAMBRIDGE STREET, CAMBRIDGE, MASS. Cambridge Economic Opportunity Committee community alcoholism program.	R18AA-00908-02 (ASRB) IOVANNISCI, ANTHONY D, 110 FAIRVIEW AVENUE, BINGHAMTON, N Y. Fairview halfway house.
R03AA-00840-01 (MSM) KELSEY, MORRIS I, MISSOURI INST OF PSYCHIATRY, 5400 ARSENAL STREET, ST LOUIS, MO. Cholesterol metabolism in developing brain (miniature swine).	R18AA-00909-02 (ASRI) FBOCK, ARLO J, BOX 308, CASS LAKE, MINN. Leech Lake Indian Reservation alcoholism program.
R18AA-00842-01 (ASRB) MORTON, DONNA, FATHER SULLIVAN CENTER, 186 WEST INGHAM AVENUE, TRENTON, N J. Mercer alcoholism program.	R18AA-00910-02 (ASRB) HINCKLEY, PATRICIA A, 314 STONE STREET, WATERTOWN, N Y. Community center for alcoholism of Jefferson County.
R18AA-00843-02 (ASRB) WRIGHT, WILLIAM A, 214 HAWTHORNE AVENUE, NEWARK, N J. Community agency serving alcoholics.	R01AA-00912-01 (ALC) BECKMAN, LINDA J, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHIATRY, LOS ANGELES, CALIF. Personality, roles, and treatment of alcoholic women.
R18AA-00844-02 (ASRB) BURNS, JACK D, INTER-LAKES COMMUNITY ACT, INC, POST OFFICE BOX 268, MADISON, S DAK. Inter-Lakes community action alcohol program.	R18AA-00914-01 (ASRI) LOMACK, WILLIAM, ALIACHAK VILLAGE COUNCIL, AKIACHAK, ALASKA 99551. Akiachak Village Alcoholism Service.
R18AA-00845-02 (ASRB) SHOKLEY, GAIL, ALCOHOLISM REHABILITATION CTR, 1312 WEST FIRST, PEORIA, ILL. Alcoholism rehabilitation program.	R18AA-00915-01 (ASRI) WASSILLIE, P NICOLAJ, KWETHLUK VILLAGE COUNCIL, ALCOHOLISM PROGRAM, KWETHLUK, ALASKA. Kwethluk Village opposing alcohol use (Alaska).
R18AA-00848-02 (ASRI) HART, GILES F, RED LAKE TRIBAL COUNCIL, P O BOX 193, RED LAKE, MINN. Red Lake tribal council-alcoholic rehabilitation.	R18AA-00918-01 (ASRB) STAUB, MARGARET, MID-DELTA COMMUNITY SERVICES, FEDERAL BUILDING, ROOM 210, HELENA, ARK. Mid-delta alcoholism services for the poor.
R18AA-00351-02 (ASRC) HAMSTON, WILLIAM R, HAMPSHIRE CMNTY ACTION COMM, 42 GOTHIC STREET, NORTHAMPTON, MASS. Hampshire community alcoholism project.	R18AA-00923-02 (ASRB) THAYER, HELEN A, LITTLE CROW COMM COUNCIL, INC, COURTHOUSE, ROOM 212, WILLMAR, MINN. Little Crow alcoholic counseling and referral program.
R18AA-00053-02 (ASRB) VAN VELSOR, ALAN, E O C OF INDIAN RIVER COUNTY, 4580 33RD AVE, VERO BEACH, FLA. Indian River County alcohol and drug abuse program.	R18AA-00924-02 (ASRB) GUSE, LEROY, D-S-W CITIZENS ACTION COUNCIL, BOX 584, STATE AVE, COTTAGE 14, OWATONNA, MINN. Center for drinking problem.
R18AA-00360-02 (ASRI) CHARLEY, WILLIAM, ICAP COLEVILLE CONFED TRIBES, TRIBAL OFFICE, NESPELEM, WASH. Colville Indian alcoholism program.	R18AA-00926-02 (ASRB) ELLIS, DONALD J, COMMUNITY ACTION COUNCIL, 230 W CENTER STREET, AKRON, OHIO. Community alcoholism services poverty program.
R18AA-00062-02 (ASRI) BIRGWIN, DUNCAN, YAKIMA INDIAN NATION, 216 W FIRST AVENUE, TOPPENISH, WASH. Yakima alcoholism outreach program.	R18AA-00928-02 (ASRB) COOKS, JAMES, COMM RELA-SOCIAL DEVEL COMMISS, 161 W WISC AVE, MILWAUKEE, WISC. Inner city council on alcoholism.
R18AA-00063-02 (ASRB) GILBERT, EARL, COMMUNITY ACTION CORPORATION, 602 BROAD STREET, WICHITA FALLS, TEX. Comprehensive alcoholism recovery program.	R18AA-00929-02 (ASRB) PARKER, JOHN W, MAYOR'S COMM FOR HUMAN RES DEV, 903 WEST GRAND BOULEVARD, DETROIT, MICH. Community alcoholism services poverty program.
R18AA-00864-02 (ASRB) BOREN, ROY E, TOM GREEN CITY CAC, RM 807, 7 W TWOHIG BLDG, SAN ANGELO, TEXAS. Community action council alcoholism program.	R18AA-00932-02 (ASRB) HAMLIN, JACK D, NORTHEAST KANS COMM ACTION PRO, 113 EAST EIGHTH STREET, HORTON, KANS. Northeast Kansas alcoholism poverty program.
R18AA-00066-02 (ASRB) CLARK, CHARLES, NORTHCENTRAL ARK DEV COUNCIL, 175 N CENTRAL, BATESVILLE, ARK. Community alcoholism services poverty program.	R18AA-00933-02 (ASRB) SMOTHERS, THOMAS I, LAFOURCHE CAP, INC, 402 W FIFTH ST, P O BOX 655, THIBODAUX, LA. Community alcoholism services poverty program.
R18AA-00867-01 (ASRC) BIEDERMAN, HORACE D, EAGLE ALCOHOLISM COMMITTEE, P O BOX 61, EAGLE, ALASKA. Eagle Yukon Recreation Center.	R18AA-00934-02 (ASRB) EDEN, WILLIAM J, 1006 WEST ADAMS, PHOENIX, ARIZ. City of Phoenix-Family alcoholism project.
R18AA-00068-01 (ASRC) HENRY, DAVID, SR, VENETIE ALCOHOLISM SERVICE, VILLAGE COUNCIL, VENETIE, ALASKA. Venetie alcoholism service.	R18AA-00935-01 (ASRB) WRIGHT, JAMES J, 960 LOCKE STREET, INDIANAPOLIS, IND. INDIANAPOLIS, IND. Public inebriate program for Indianapolis.
R18AA-00870-02 (ASRB) GILHOOLY, ROBERT M, TOTAL ACTION AGAINST POVERTY, P O BOX 2868, ROANOKE, VA. Community alcoholism counseling and recovery program.	R18AA-00936-01 (ASRC) LANGE, HARVEY E, 717 SW 4TH AVE, GAINESVILLE, FLA. No. Central Florida rural alcoholism project.
R18AA-00371-02 (ASRB) RODO, BARBARA, 3308 POST ROAD, WARWICK, R I. Alcoholism and family counseling.	R18AA-00945-01 (ASRI) WHEATON, JOHN M, COEUR D'ALENE SUB-AGENCY, PLUMMER, IDAHO. Indian community alcoholism services special demonstration.
R18AA-00872-02 (ASRB) HANS, ROBERT, ALCOHOLISM COUNSELING & EDUC C, 1016 SOUTH 32ND STREET, SAN DIEGO, CALIF. Alcoholism counseling and recovery program.	R01AA-00950-01 (ALC) BROWN, THOMAS S, DE PAUL UNIVERSITY, 2219 NORTH KENMORE AVENUE, CHICAGO, ILL. Early alcoholism-Residual effects of offspring.
R18AA-00873-02 (ASRB) BILLY, DORIS M, SOUTH SHORE COMM ACTION CNCL, 17 COURT STREET, PLYMOUTH, MASS. Alcoholic family rehabilitation agency.	R18AA-00951-01 (ASRI) MOSES, BERGMAN, ALLAKAKET ALCOHOLISM PROGRAM, ALLAKAKET VILLAGE COUNCIL, ALLAKAKET, ALASKA. Allakaket alcoholism project (Alaska).
R18AA-00874-02 (ASRI) SOLOMON, ALICE A, LUMMI INDIAN BUSINESS COUNCIL, POST OFFICE BOX 309, MARIETTA, WASH. Lummi Indian alcoholism program.	R18AA-00953-01 (ASRC) ROESSEL, FRED P, SUITE 500, CARLTON TERRACE BLD, 920 SOUTH JEFFERSON STREET, ROANOKE, VA. Alcohol residential multi lodge.
R18AA-00877-01 (ASRI) LEE, KENNETH, VILLAGE OF TELLER ALCHSM SERV, VILLAGE COUNCIL, TELLER, ALASKA. Teller alcoholism service (Alaska).	R18AA-00954-02 (ASRB) GRAY, KEITH E, ALC EDUC REHAB PROG, P O BOX 1314, 855 1/2 N 12TH S, RICHMOND, IND. Alcoholic education rehabilitation program.
R18AA-00882-02 (ASRI) KENNEDY, LEO, SR, BLACKFEET TRIBAL BUS COUNCIL, ALCOHOLISM PROG, BROWNING, MONT. Blackfeet alcoholism program.	R18AA-00955-02 (ASRB) HARRIS, MARY C, COMMUNITY ACTION PROGRAM, 9 WEST UNION STREET, BURLINGTON, N J. Burlington County alcoholism program and center.
R18AA-00083-02 (ASRB) REYNOLDS, ROBERT I, LAKE TAHOE CNCL ON ALCOH, INC, POST OFFICE BOX 8405, SOUTH LAKE TAHOE, CALIF. Community alcoholism service poverty program.	R03AA-00957-01 (ALC) EWING, JOHN A, UNIVERSITY OF NORTH CAROLINA, CENTER FOR ALCOHOL STUDIES, CHAPEL HILL, N C. Ethnic effects of alcohol metabolism (Orientals, occidentals, Indians).
R18AA-00884-02 (ASRB) KOLS, ANNABEL, 103 SOUTH FIRST ST, POST OFFICE BOX 629, LARAMIE, WYO. SRCAA community alcoholism services poverty program.	R18AA-00958-01 (ASRP) DINSMORE, DOUGLAS M, 2875 SOUTH MAIN STREET, SALT LAKE CITY, UTAH. Community education and early intervention.
R18AA-00885-02 (ASRB) SCHROEDER, WILLIAM L, S OMAHA NEIGHBORHOOD ASSM INC, 5529 SOUTH 30TH STREET, OMAHA, NEB. Community alcoholism service poverty program.	R01AA-00959-01 (ALC) ROTHSCHILD, MARCUS A, VETERANS ADMINISTRATION HOSP, FIRST AVENUE AT E 24TH STREET, NEW YORK, N Y. Effects of amino acids on alcohol hepatotoxicity.
R18AA-00886-02 (ASRI) DEWEY, SCOTT, SHOSHONE & ARAPHOE BUS CONNEIL, P O BOX 217, FORT WASHAKE, WYO. Alcohol rehabilitation and employment program.	R18AA-00967-01 (ASRI) LIVERMORE, EARL R, 1615 HIGH STREET, OAKLAND, CALIF. Indian women alcoholism crisis center.
R18AA-00888-01 (ASRI) JIM, CHARLIE, JR, ANGOON ANB ALCOHOLISM PROGRAM, P O BOX 28, ANGOON, ALASKA. Angoon ANB alcoholism program (Alaska).	R18AA-00969-01 (ASRB) LUTHER, JEFFREY V, VICTOR VALLEY COUNSELING SERVI, 14927 SEVENTH STREET, VICTORVILLE, CALIF. Victor Valley alcoholism program.
R18AA-00889-02 (ASRB) STEVENS, LAWRENCE F, BENNINGTON-RUTLAND OPPOR, 310 MAIN ST, BOX 81, BENNINGTON, VT. Support for alcoholism control program.	R18AA-00970-01 (ASRO) WORLEY, KENNETH L, 130 S BEMISTON (SUITE 308), ST LOUIS, MO. Industrial 'troubled employee' recovery program.
R18AA-00890-02 (ASRB) GREEN, RONALD K, VERMILION CMTY CNCL ON ALC & D, 522 EAST MAIN, DANVILLE, ILL. Vermilion County community action agency.	R01AA-00972-01 (ALC) BRITT, DAVID W, DEPT OF SOCIOLOGY, FLORIDA ATLANTIC UNIVERSITY, BOCA RATON, FLA. Analysis of moral norms, environments and drinking.
R18AA-00891-02 (ASRI) CROWE, JOHN A, EASTERN BAND OF CHEROKEE INDS, P O BOX 455, CHEROKEE, N C. Cherokee alcoholism rehabilitation and education.	R18AA-00974-01 (ASRB) HORBER, JOHN T, BRIDGE HOUSE OF LAS ANIMAS, 246 BENT AVENUE, LAS ANIMAS, COLO. Bridge house rural alcoholism program.
	R01AA-00975-01 (ALC) MATTHEWS, H RANDALL, UNIVERSITY OF TEXAS, TEXAS MEDICAL CENTER, HOUSTON, TEX. A physico-chemical study of ethanol activity (mice).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01AA-00980-01 (ALC) MACDONNELL, MALCOLM F, LIVINGSTON COLLEGE, RUTGERS UNIVERSITY, NEW BRUNSWICK, N. J. Withdrawal hyperexcitability in neural systems.
- R18AA-00983-02 (ASRB) COONLY, ROBERT F, 226 SOUTH BROAD STREET, POST OFFICE BOX 1388, MANKATO, MINN. Alcoholism counseling program.
- R18AA-00984-02 (ASRB) JOHNSON, DAVID J, ORENDA CENTER, 2759 BENNETT VALLEY ROAD, SANTA ROSA, CALIF. Multi-service alcohol treatment program.
- R18AA-00990-02 (ASRB) LOBBE, ARTHUR J, NORTH HUDSON CAC, 507 26TH ST, UNION CITY, N. J. Support for alcoholism control program.
- R18AA-00995-01 (ASRB) QUIGLEY, JAMES C, METROPOLITAN DADE COUNTY, 911 DADE COUNTY COURTHOUSE, MIAMI, FLA. Dade Co women's alcohol treatment program.
- R18AA-01013-01 (ASRB) MAYER, JOSEPH, WASHINGTONIAN CTR FOR ADDICTS, 41 MORTON STREET, BOSTON, MASS. Community family therapy outreach alcoholism program.
- R18AA-01024-02 (ASRB) HOVE, SYLVIA, 670 4TH AVENUE, P O BOX 2871, FARGO, N DAK. Alcoholism information and referral center.
- R18AA-01025-02 (ASRB) SMCICINA, FRANCIS J, AREA ECON OPPOR AUTHORITY, INC, POST OFFICE BOX 1645, VALDOSTA, GA. Alcoholism rehabilitation program.
- R18AA-01027-02 (ASRB) DAVIS, FRANCES H, GALVESTON CNTY COMM ACT CNCL, 5801 BROADWAY, GALVESTON, TEX. Community alcohol service poverty program.
- R18AA-01028-02 (ASRI) LUPE, LEROY, WHITE MOUNTAIN APACHE TRIBE, P O BOX 708, WHITERIVER, ARIZ. Support for alcoholism control program.
- R18AA-01031-02 (ASRB) GRANT, FRED R, POST OFFICE BOX, 801 ADAMS AVENUE, LA GRANDE, OREG. Support for alcoholism control program.
- R18AA-01033-01 (ASRB) ROBERTSON, ELLA L, ECONOMIC OPPORTUNITY BOARD OF, 522 WEST WASHINGTON, LAS VEGAS, NEV. Comprehensive alcoholism recovery service in Nevada.
- R18AA-01035-01 (ASRO) HEINLEIN, ROBERT E, OVERLOOK HOSPITAL, 193 MORRIS AVENUE, SUMMIT, N. J. Overlook hospital occupational program.
- R18AA-01040-02 (ASRB) WRIGHT, DAVID B, P O BOX 1185, EVERETT, WASH. Alcoholism Outreach Program.
- R18AA-01042-02 (ASRB) SANKKEY, WILLIAM L, MONTGOMERY AREA MNTL HLTH AUTH, 1616 MT MEIGS RD, MONTGOMERY, ALA. Community alcoholism rehabilitation and education.
- R18AA-01044-01 (ASRI) WILLIAMSON, OSWALD M, UNITED TRIB EMPLOY TRNG CTR, 3315 SOUTH AIRPORT ROAD, BISMARCK, N DAK. United tribes training center alcoholism project.
- R18AA-01045-02 (ASRB) PINCKNEY, RICHARD, ACTION FOR A BETTER COMM, INC, 42 S WASHINGTON STREET, ROCHESTER, N. Y. Community alcoholism services.
- R18AA-01046-02 (ASRB) RODRIGUEZ, SEVERO, JR, ECON OPP DEVEL CORP, 212 STUMBERG (P O BOX 9326), SAN ANTONIO, TEX. Community alcoholic rehabilitation program.
- R18AA-01047-02 (ASRB) DINSMORE, DOUGLAS M, UTAH ALCOHOLISM FOUNDATION, 2875 SOUTH MAIN STREET, SALT LAKE CITY, UTAH. Division of neighborhood services (human).
- R18AA-01048-02 (ASRB) DINKEL, FRANCES M, 16 CANNON STREET, PUGHKEEPSIE, N. Y. Alcoholic rehabilitation program.
- R18AA-01049-02 (ASRB) SCRUGGS, ALBERT N, JR, 1026 MCCALLIE AVENUE, CHATTANOOGA, TENN. Support for alcoholism control program.
- R18AA-01050-01 (ASRB) CASH, H CARROLL, FRANKLIN C FETTER FAM HLTH CTR, 417 MEETING ST, CHARLESTON, S. C. Community alcoholism services poverty program.
- R18AA-01052-02 (ASRB) YOFF, ROBBY J, CROWLEY'S RIDGE DEV CNCL, INC, P O BOX 1497, JONESBORO, ARK. Community alcoholism services.
- R18AA-01054-02 (ASRI) MOORE, CARL R, HOPI TRIBOL COUNCIL, P O BOX 123, ORAIBI, ARIZ. Hopi alcoholism program.
- R18AA-01055-02 (ASRI) BUTLER, CAROLYN, MAKAH INDIAN NATION, POST OFFICE BOX 248, NEAH BAY, WASH. Makah alcoholism program.
- R18AA-01056-02 (ASRI) VALLO, DAVID M, IN-TRIBAL CNCL OF CALIFORNIA, 2991 FULTON AVENUE, SACRAMENTO, CALIF. Rural Alcoholism program (human).
- R18AA-01057-02 (ASRB) CANNON, ROB G, COMANCHE CNTY IMPROVEMENT FDN, 402 C 4TH FLOOR KOEHLER BLDG, LAWTON, OKLA. Alcohol counseling program.
- R18AA-01058-01 (ASRB) LANE, CHARLES A, JR, GREATER OMAHA COMMUNITY ACTION, 1805 HARNEY STREET, OMAHA, NEBR. Community alcoholism services-Poverty program.
- R18AA-01060-02 (ASRB) MURRAY, FRANK, 173 BRUNSWICK AVE, TRENTON, N. J. Trenton alcoholism program (human).
- R18AA-01063-02 (ASRB) MRADE, RICHARD K, P O BOX 5267, OXNARD, CALIF. Community alcoholism services poverty program (human).
- R01AA-01066-01 (ALC) GOLDSTEIN, DORA B, STANFORD UNIVERSITY, DEPT OF PHARMACOLOGY, STANFORD, CALIF. Physical dependence on alcohol (mice).
- R18AA-01067-02 (ASRB) HUYLER, MARY W, ALCOHOLIC REHAB PROGRAM OP-PORT, 166 E WASHINGTON AVENUE, ELMIRA, N. Y. Alcoholic rehabilitation program (human).
- R18AA-01068-02 (ASRB) HENRY, ELSIE, 194-A THAMES STREET, NEWPORT, R. I. Community alcoholism services and poverty program.
- R18AA-01069-02 (ASRB) JONES, ROY H, MID-CAROLINA CNCL ON ALCOH, 2215 DEVINE STREET, COLUMBIA, S. C. Mid-Carolina Council on Alcoholism.
- R18AA-01070-02 (ASRB) MOSSA, WILLIAM, ORLEANS CNTY CNCL-SOC AGN INC, 10 MAIN STREET, NEWPORT, VT. OCCSA Alk Rehab Project.
- R18AA-01073-02 (ASRB) CLARK, RAYMOND B, CNTY DEPT OF COMMUNITY HEALTH, 1900 EAST 9TH, WICHITA, KANS. Support for alcoholism control program.
- R18AA-01074-02 (ASRI) FROOG, HAROLD J, ROUTE 2, BOX 281, STONE LAKE, WIS. GLTC, Inc. alcoholism treatment program.
- R18AA-01076-01 (ASRI) KRUGER, THEODORE, ANVIK CITY COUNCIL, ANVIK, ALASKA. Village alcoholism service.
- R18AA-01079-01 (ASRI) ALEXIE, MOSES D, TULUKSAK VILLAGE, TULUKSAK, ALASKA. Tulusak Village alcoholism service.
- R18AA-01081-01 (ASRI) BAKER, KENNETH E, NORTHWAY VILLAGE ALCOHOLISM CR, BOX 415, NORTHWAY, ALASKA. Northway Village alcoholism center.
- R18AA-01082-01 (ASRI) EVAN, ALEXIE K, NAPASKIAK VILLAGE, NAPASKIAK, ALASKA. Public protection-Law enforcement.
- R18AA-01083-01 (ASRI) ASPELUND, ALLEN, NAKNET NATIVE COUNCIL, BOX 106, NAKNEK, ALASKA. Naknek Village Alcoholism Service.
- R18AA-01084-01 (ASRI) ANDERSON, JULIUS, CHIGNIK LAGOON VILLAGE, CHIGNIK LAGOON, ALASKA. Chignik Lagoon Village alcoholism service.
- R18AA-01084-01 (ASRI) IYAPANA, JOHN, PRESIDENT OF CITY COUNCIL, LITTLE DIOMEDE, ALASKA. Little Diomed Island Coop and Recreation Center Project (Alaska).
- R18AA-01088-01 (ASRI) MURRAY, NATHAN H, GENERAL DELIVERY, ELM, ALASKA. Multi-purpose community hall for Elm.
- R18AA-01089-01 (ASRI) MEGANACK, WALTER R, SR, PORT GRAHAM VILLAGE COUNCIL, PORT GRAHAM, ALASKA. Port Graham community center.
- R18AA-01091-01 (ASRI) MC GLASHAN, TOM, AKUTAN VILLAGE COUNCIL, AKUTAN, ALASKA. Day care center and/or community center (Alaska).
- R18AA-01097-01 (ASRI) INGRAM, JAMES A, VILLAGE ALCOHOLISM SERVICE, CLARKS POINT, ALASKA. Clarke Point Village alcoholism service.
- R18AA-01098-01 (ASRI) GLOKO, MICHAEL, SR, MANOKOTAK ALASKA VILLAGE, MANOKOTAK, ALASKA. Manokotak alcoholism program.
- R18AA-01099-01 (ASRI) WOODS, WILLIAM B, KLAWOOCK, POST OFFICE BOX 306, KLAWOOCK, ALASKA. Klawoock alcohol abuse program (Alaska).
- R18AA-01102-01 (ASRI) CHRISTENSEN, JOHN, PORT HEIDEN VILLAGE, C/O JOHN CHRISTENSEN, PORT HEIDEN, ALASKA. Port Heiden Village alcoholism service center (Alaska).
- R18AA-01103-01 (ASRI) FRANK, PATRICK J, HOLY CROSS CITY COUNCIL, HOLY CROSS, ALASKA. Holy Cross City alcoholism service (Alaska).
- R18AA-01104-01 (ASRI) JACKSON, GEORGE F, VILLAGE COUNCIL PRESIDENT, FALSE PASS, ALASKA. False pass alcoholism service (Alaska).
- R18AA-01105-01 (ASRI) HOUSLER, NORMAN, SR, RUSSIAN MISSION, RUSSIAN MISSION, ALASKA. Village alcoholism service (Alaska).
- R18AA-01110-01 (ASRI) KIUNYA, DICK, KONGIGANAK VILLAGE COUNCIL, KONGIGANAK, ALASKA. Kongiganak alcoholism diversification program.
- R18AA-01112-01 (ASRI) SIMEON, WASSILLIE, NEW STUYAHOK VILL ALCOH SERV, NEW STUYAHOK, ALASKA. New Stuyahok Village alcoholism service.
- R18AA-01113-01 (ASRI) WOODS, JAMES E, SR, LEVELOCK VILLAGE ALCOH SERV, C/O JAMES WOODS, SR, LEVELOCK, ALASKA 99625. Levelock Village alcoholism service.
- R18AA-01116-01 (ASRI) PETERS, EVAN, CROOKED CREEK, C/O, CROOKED CREEK, ALASKA. Crooked Creek Village alcoholism service (Alaska).
- R18AA-01120-01 (ASRI) SAM, RONALD, ALATNA VILLAGE COUNCIL, ALATNA, ALASKA. Alatna community alcoholism project (Alaska).
- R18AA-01121-01 (ASRI) KUZAKIN, SIMEON, CHAIRMAN, C/O SIMEON KUZAKIN, BELKOFSKI, ALASKA. Belkofski Village alcoholism service.
- R18AA-01122-02 (ASRI) BRIEN, REGINALD J, POST OFFICE BOX 1-B, BELCOURT, N DAK. Alcoholism program.
- R18AA-01123-01 (ASRI) MILLER, DAVID, TAKOTNA VILLAGE COUNCIL, TAKOTNA, ALASKA. Takotna Community Center (Alaska).
- R18AA-01124-01 (ASRI) WILLIAMS, JOSEPH C, SR, SAXMAN, BOX 379, KETCHIKAN, ALASKA. Saxman Village alcoholism service (Alaska).
- R18AA-01125-01 (ASRI) POWELL, LARRY, POST OFFICE BOX 6, CITY OF YAKUTAT, YAKUTAT, ALASKA. Yakutat alcoholism program.
- R18AA-01128-01 (ASRI) AGATHLUK, BARTHOLOMEW W, SR, EMMONAK CITY COUNCIL, EMMONAK, ALASKA. Emmonak alcoholism prevention service (Alaska).
- R18AA-01129-02 (ASRI) MOORE, ROBERT L, AMERICAN INDIAN COMM ON ALCOH, 5775 EVERETT STREET, ARVADA, COLO. American Indian Commission on alcoholism and drug abuse.
- R18AA-01131-02 (ASRB) VINAS, JUAN D, ORANGE CNTY COMMTY ACT CNCL, 1140 SOUTH BRISTOL STREET, SANTA ANA, CALIF. Orange County poverty alcoholism proposal.
- R18AA-01132-02 (ASRB) ACKERSON, GARY E, RECAP, INC, 34 SOUTH ST, MIDDLETOWN, N. Y. RECAP alcoholism program.
- R18AA-01133-02 (ASRB) THIBODEAU, DONALD E, AROOSTOOK CNTY ACTION PROGRAM, POST OFFICE BOX 1116, PRESQUE ISLE, MAINE. Alcoholic information and referral services.
- R18AA-01134-01 (ASRI) MIKE, JOSEPH, KOTLIK, GENERAL DELIVERY, KOTLIK, ALASKA. Kotlik city alcoholism service.
- R18AA-01135-02 (ASRP) EDMONDSON, JOHN H, SOUTHERN RESEARCH INSTITUTE, P O BOX 242, MARYVILLE, TENN. Alcohol prevention in small business.
- R18AA-01136-02 (ASRP) MANDER, JOSEPH E, BEURY BUILDING, 5TH FLOOR, 3701 NORTH BROAD STREET, PHILADELPHIA, PA. Demonstration project for alcoholism prevention.
- R18AA-01137-01 (ASRB) LBE, LEONARD M, 1770 TEHOUPITOUAS STREET, NEW ORLEANS, LA. Community alcoholism program.
- R18AA-01138-01 (ASRB) FORMAN, JEANNE C, JACKSON COUNCIL ON ALCOHOLISM, 113 EAST GRIFFITH STREET, JACKSON, MISS. Alcoholism services center.
- R18AA-01139-01 (ASRI) FRENCH, DONALD L, CHEE-WOY-NA-ZHEE, INC, P O BOX 192, WINNEBAGO, NEBR. Chee-Woy-Na-Zhee Inc.
- R18AA-01140-02 (ASRB) GUZMAN ZAYAS, MARIA E, ALCOHOLISM PROGRAM, CARRETERA VIEJA HATO TEJAS 289, BAYAMON, PUERTO RICO. Community Alcoholism Services Poverty Program.
- R18AA-01145-02 (ASRB) DIXON, MARY G, MIDDLESEX CTY ECON OPPORT CORP, 46 PATERSON STREET, NEW BRUNSWICK, N. J. Anti-alcoholism program.
- R18AA-01147-02 (ASRB) KELLAM, BENNETTE M, 425 NORTH IRWIN STREET, HANFORD, CALIF. HANFORD, CALIF. Alcoholic rehabilitation program.
- R18AA-01148-02 (ASRI) MIKE, RACHEL F, COLORADO RIVER INDIAN TRIBES, RTI, BOX 23-B, PARKER, ARIZONA. Support for alcoholism control program.
- R18AA-01149-01 (ASRB) BRIGHT, PHILLIP A, 1316 ARCH STREET, PHILADELPHIA, PA. Alcoholism counseling and recovery program.
- R18AA-01151-01 (ASRB) LYSNE, ARTHUR H, SPOKANE CNTY MNTL HLTH BOARD, WEST 1115 BROADWAY, SPOKANE, WASH. Low income component of Spokane alcohol service system.
- R18AA-01154-02 (MMSR) WILLIAMS, JAMES, UNITED PLANNING ORGANIZATION, 1021 14TH ST NORTHWEST, WASHINGTON, D. C. United Planning Organization community alcoholism services.
- R18AA-01155-02 (ASRB) BRAY, KENNETH M, DELTA FAMILY SERVICES INC, 1016 LUDINGTON STREET, ESCANADA, MICH. Area alcoholism poverty program.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R18AA-01156-01 (ASRB) MC QUANY, JOSEPH D,** 2500 SOUTH BROADWAY, LITTLE ROCK, ARK. Economic opportunity agency of Pulaski Co alcoholism program.
- R18AA-01158-01 (ASRB) THOMPSON, TERRY N,** REAR 6 ARCADE ANNEX, NEWARK, OHIO. Licking County alcoholism prevention program.
- R18AA-01159-02 (ASRB) STONE, SIDNEY,** W S D COMMUNITY ACTION, INC, 220 OMAHA ST, RAPID CITY, S DAK. Comprehensive alcoholism project.
- R18AA-01160-02 (ASRI) ISAAC, BRADLEY,** MISSISSIPPI BAND OF CHOCTAWS, ROUTE 7 BOX 21, PHILADELPHIA, MISS. Choctaw community alcoholism services (Indian program).
- R18AA-01163-01 (ASRB) GARZA, SAMUEL B,** C A INC OF HAYS & CALDWELL CNT, P O BOX 644, SAN MARCOS, TEX. Alcoholism counselling and recovery program.
- R18AA-01166-01 (ASRB) MC WILLIAMS, KATHLEEN A,** SOUTHWESTERN WISCONSIN CAP, STRONGS BANK, DODGEVILLE, WIS. Southwestern Wisconsin alcoholism program.
- R18AA-01169-01 (ASRB) CELESTINE, CHESTER E,** 525 BUFORD, BEAUMONT, TEX. J.C.E.O.C. alcoholism community action program.
- R18AA-01170-02 (ASRI) VREAL, BENJAMIN,** ALCOHOLISM REHABILITATION PROG, 191 BROADWAY, PATERSON, N J. Community alcoholism services poverty program.
- R18AA-01171-01 (ASRI) SANDERSON, ROBERT A,** TOWN OF HYDABURG, BOX 482, HYDABURG, ALASKA. Hydaburg Village alcoholism service.
- R18AA-01173-01 (ASRI) NELSON, FLORENCE J,** CHUATHBALUK VILLAGE COUNCIL, CHUATHBALUK VIA ANIAK, ALASKA. Chuathbaluk alcoholism service (Alaska).
- R18AA-01174-01 (ASRI) PEELE, DAVID E,** KASAAH VILLAGE ALCOHOLISM SER, KASAAH, ALASKA. Kasah village alcoholism service (Alaska).
- R18AA-01176-02 (ASRB) SCHAEFER, JANE,** COMMUNITY PROGRESS COUNCIL, SCHMIDT BLDG, CONTINENTAL SQ, YORK, PA. Community alcoholism services poverty program (human).
- R18AA-01177-01 (ASRB) ALSMAN, GUY D, JR,** 14410 MORSE STREET, CEDAR LAKE, IND. CEDAR LAKE, IND. South County alcoholism information and referral center.
- R18AA-01180-02 (ASRB) JURGENS, JERRY,** 241 MAIN STREET, BOX 746, CHADRON, NEBR. Alcoholism counseling project.
- R18AA-01181-01 (ASRB) FINE, I JEAN,** SOUTHERN ARIZONA MTL HLTH CTR, 1930 EAST 6TH STREET, TUCSON, ARIZ. CEO alcoholism program.
- R18AA-01183-01 (ASRI) MITCHELL, J MARTIN,** CITY COUNCIL, CITY OF KAKE, KAKE LAKE, ALASKA. Kake Alcoholism Center.
- R18AA-01184-01 (ASRB) HILL, EDWIN S,** P O BOX A F, HUNTSVILLE, ALA. Alcoholism counseling and recovery program.
- R18AA-01192-01 (ASRB) DAVIS, ALPHONSO,** 2801 N TAYLOR, ST LOUIS, MO. Inner-city alcohol recovery and rehabilitation project.
- R01AA-01193-01 (ALC) HANNA, ELEANOR Z,** MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Differential treatment of alcoholic.
- R01AA-01197-02 (ALC) VOGLER, ROGER E,** POMONA COLLEGE, DEPARTMENT OF PSYCHOLOGY, CLAREMONT, CALIF. Use of learning theory in preventing alcohol abuse.
- R03AA-01199-01 (MSM) RAHWAN, RALF G,** OHIO STATE UNIVERSITY, 500 W 12TH AVENUE, COLUMBUS, OHIO. Acetaldehyde and tetrahydroisquinolines-Toxicology.
- R18AA-01201-02 (ASRB) TINSLEY, EDMOND T,** 46 HIGH ST, WORCESTER, MASS. Support for alcoholism control program.
- R01AA-01203-01 (ALC) ARMOR, DAVID J,** THE RAND CORPORATION, 1700 MAIN STREET, SANTA MONICA, CALIF. Testing an input-output model for NIAAA treatment programs.
- R18AA-01205-01 (ASRB) PETERS, CATHERINE,** 280 NORTH CHERRY ST, MARYSVILLE, OHIO. CAA Delaware, Madison and Union Counties alcoholism project.
- R18AA-01206-01 (ASRB) STROEMMELER, PAUL D,** 117 WEST HIGH STREET, LAWRENCEBURG, IND. Community alcoholism services poverty program.
- R01AA-01209-01 (ALC) KULLER, LEWIS H,** UNIVERSITY OF PITTSBURGH, A-435 CRABTREE HALL, PITTSBURGH, PA. Epidemiology and pathology study of alcohol sudden death (human).
- R18AA-01211-01 (ASRB) PEARSON, HAMMONT C,** COOK COUNTY OEO INC, 600 SOUTH MICHIGAN AVENUE, CHICAGO, ILL. Alcoholism prevention and treatment project.
- R01AA-01215-01 (ALC) MILLER, KENT S,** INST FOR SOCIAL RESEARCH, FLORIDA ST UNIV, TALLAHASSEE, FLA. System change in the management of public inebriates.
- R01AA-01217-01 (ALC) DAVIS, WILBUR M,** UNIVERSITY OF MISSISSIPPI, DEPARTMENT OF PHARMACOLOGY, UNIVERSITY, MISS. Investigations of experimental alcohol dependence.
- R18AA-01221-01 (ASRB) LAWS, LYMAN A,** 726 SOUTH 17TH ST, FORT DODGE, IOWA. Community alcoholism services poverty program.
- R18AA-01223-01 (ASRB) CAMERON, R DONALD,** GRAYS HARBOR COMMITY ACT COUNC, 2151/2 E MARKET ST P O BOX 187, ABERDEEN, WASH. Community alcoholism services-Poverty program.
- R01AA-01226-01 (ALC) ROGNSTAD, ROBERT A,** CEDARSSINAI MEDICAL RES INST, 4751 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Pathways of ethanol and acetaldehyde metabolism.
- R01AA-01229-01 (ALC) BROWN, JUDSON S,** UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Alcohol and conflict resolution.
- R18AA-01232-01 (ASRI) CURRY, RICHARD,** UTE INDIAN TRIBE, P O BOX 129, FORT DUCHESNE, UTAH. Alcoholism information and counseling program.
- R18AA-01234-01 (ASRB) MC DOWELL, BILLY M,** GREATER ANCHORAGE AREA C A A, BOX 1836, ANCHORAGE, ALASKA. Anchorage social development center project.
- R18AA-01235-01 (ASRB) ASHE, HENRY A,** 2340 MAGNOLIA AVE, KNOXVILLE, TENN. Alcoholism counseling and recovery program.
- R01AA-01236-01 (ALC) GROSS, MILTON M,** KINGS CNTY ADDICTIVE DIS HOSP, 600 ALBANY AVENUE, K BUILDING, BROOKLYN, N Y. Carry-over of tolerance and dependence in alcoholics.
- R18AA-01237-02 (ASRB) WILLIAMS, FAIN M,** 621 NORTH FOURTH, SUITE 23, LONGVIEW, TEX. Community alcoholism services poverty program.
- R03AA-01238-01 (MSM) ERNST, ADRIAN J,** WASHINGTON STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, PULLMAN, WASH. Analysis of the effects of alcohol on conflict (rats).
- R18AA-01241-01 (ASRB) BAKER, WILMER E,** P O BOX 889 HIGHWAY 80, DEMOPOLIS, ALA, DEMOPOLIS, ALA. Community alcoholism services poverty program.
- R18AA-01242-01 (ASRP) DICICCO, LENA M,** CAMBRIDGE HOSPITAL, 1493 CAMBRIDGE STREET, CAMBRIDGE, MASS. Alcohol and drug abuse prevention program.
- R01AA-01245-01 (ALC) GELLER, IRVING,** TEXAS TECH UNIVERSITY, POST OFFICE BOX 4569, LUBBOCK, TEX. Alcohol effects on behavior-Biochemical correlates (rats, mice, monkeys).
- R18AA-01246-01 (ASRB) PATTERSON, CARSON L,** 401 SOUTH MECHANIC STREET, P O DRAWER 1107, JACKSON MICH. Community alcoholism services poverty program.
- R18AA-01247-01 (ASRB) CALDWELL, JOHN W,** NORTHERN KY COMM ACTION CONN, 4TH & CENTRAL, NEWPORT MALL, NEWPORT, KY. Community alcoholism services poverty program.
- R13AA-01248-01 (ALC) HEWLETT, AUGUSTUS H,** ALCOHOL & DRUG PROB ASSN OF MA, 1130 17TH STREET, N W, WASHINGTON, D C. North American Congress on Alcohol and Drug Problems.
- R18AA-01250-01 (ASRI) PATERSON, STANLEY R,** METLAKLA, POST OFFICE BOX 275, METLAKATLA, ALASKA. Metlakatla Indian community.
- R03AA-01254-01 (MSM) ROSS, DAVID H,** UNIVERSITY OF TEXAS, DEPARTMENT OF PHARMACOLOGY, SAN ANTONIO, TEX. Neurochemical activity of tetrahydroisquinolines (rats).
- R18AA-01255-01 (ASRI) TOBUK, FRANK,** EVANSVILLE VILLAGE COUNCIL, BETTLES, ALASKA. Evansville alcoholism service.
- R18AA-01250-01 (ASRI) PLEASANT, GEORGE J,** TWIN HILLS VILLAGE COUNCIL, TWIN HILLS, VIA TOGIAK, ALASKA. Twin Hills village alcoholism service (Alaska).
- R18AA-01257-01 (ALC) SCOTCH, NORMAN A,** BOSTON UNIV SCH OF MEDICINE, 80 EAST CONCORD STREET, BOSTON, MASS. A critical review of research on social factors in alcoholism.
- R18AA-01258-01 (ASRI) WASHINGTON, ALBERT S,** GENERAL DELIVERY, ST MICHAEL, ALASKA. St Michael recreational project.
- R01AA-01260-01 (ALC) MALLOV, SAMUEL,** SUNY UPSTATE MEDICAL CENTER, 766 IRVING AVENUE, SYRACUSE, N Y. Ethanol and catecholamine cardiomyopathies.
- R18AA-01261-01 (ASRI) MASSUK, ROGER V,** GENERAL DELIVERY, KOYUK, ALASKA. Koyuk Community Building.
- R18AA-01264-01 (ASRI) SIMMONOFF, WALTER,** AKHOK CITY ALCOHOLISM SERV, AKHOK, ALASKA. Akhok alcoholism service (Alaska).
- R18AA-01267-01 (ASRB) MOORE, WILLIAM M,** JACKSON COUNTY CNCL ON ALCOH, 236 SOUTH OAKDALE AVENUE, MEDFORD, OREG. Community alcoholism service poverty program.
- R18AA-01269-01 (ASRB) MC GAUGHEY, LEWIS,** 55 SOUTH MAIN ST, FARMINGTON, UTAH. Community Alcoholism Services Poverty Program.
- R01AA-01272-01 (ALC) THIES, CURT,** WASHINGTON UNIVERSITY, RM 413 URBAUER HALL, ST LOUIS, MO. Microencapsulated alcohol sensitizing agents (rats).
- R01AA-01273-01 (ALC) VANNICELLI, MARSHA-LEE,** MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. Treatment contracts with alcoholic patients.
- R03AA-01274-01 (MSM) LEMKAU, PAUL V,** JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Maternal alcohol use and resultant birth outcome.
- R18AA-01276-01 (ASRI) HANSON, JOHN A,** VILLAGE OF ALAKANUK, POST OFFICE BOX 52, ALAKANUK, ALASKA. Alakanuk Village alcoholism program.
- R18AA-01284-01 (ASRI) AMIK, ISAAC B,** VILLAGE OF KIPNUK, GENERAL DELIVERY, KIPNUK, ALASKA. Kipnuk council on alcoholism.
- R18AA-01285-01 (ASRI) FRIDAY, DAVID J,** GENERAL DELIVERY, CHEYAK, ALASKA. Cheyak council on alcoholism.
- R18AA-01286-01 (ASRI) CHURCHILL, EDWARD P, SR,** VILLAGE OF WRANGELL, BOX 45, WRANGELL, ALASKA. Wrangell AMB council on alcoholism.
- R18AA-01287-01 (ASRI) GREENE, ROBERT,** PILOT STATION CITY COUNCIL, GENERAL DELIVERY, PILOT STATION, ALASKA. Pilot Station council on alcoholism.
- R18AA-01208-01 (ASRI) HAAKANSON, ARTHUR,** ALCOHOLISM DETTERENT PROGRAM, BOX 35, OUIZMIE, ALASKA. Ouzimie deterrent program.
- R18AA-01289-01 (ASRI) DEACON, HENRY,** GENERAL DELIVERY, GRAYLING, ALASKA. Grayling council on alcoholism.
- R18AA-01290-01 (ASRI) DENNIS, HILEEN,** VILLAGE CNCL OF NIKOLAI, RURAL BRANCH, NIKOLAI, ALASKA. Nikolai Village alcoholism program.
- R18AA-01291-01 (ASRI) ANGNABOOGUK, ROLAND K, SR,** KINGHOME ARTS & CRAFTS PROJ, WALES, ALASKA. Kinghome arts and crafts project.
- R18AA-01292-01 (ASRI) ATLA, ALFRED,** VILLAGE COUNCIL OF HUGHES, HUGHES, ALASKA. Hughes alcoholism program.
- R18AA-01293-01 (ASRI) KAWAGLEY, OSCAR,** FOREIGN STUDY PROGRAM, BOX 519, KENAI, ALASKA. Wildwood council on alcoholism.
- R18AA-01294-01 (ASRI) KARMAN, GILBERT,** VILLAGE OF DEERING, DEERING, ALASKA. Deering council on alcoholism.
- R18AA-01295-01 (ASRI) HORNER, HENRY,** VILLAGE OF KOBUK, KOBUK, ALASKA. Kobuk council on alcoholism.
- R18AA-01296-01 (ASRI) HOLLINGSWORTH, GERALD V,** CITY OF BARROW, BOX 507, BARROW, ALASKA. Barrow council on alcoholism.
- R18AA-01297-01 (ASRI) HAMILTON, HAMILTON E,** VILLAGE COUNCIL OF SHAGELUK, SHAGELUK, ALASKA. Shageluk recreational center.
- R18AA-01290-01 (ASRI) MOSES, CARL,** GENERAL DELIVERY, CHALKYITSIK, ALASKA. Chalkyitsik Village ALCH program.
- R18AA-01299-01 (ASRI) OLANNA, WARD,** BREYIG MISSION VILLAGE CNCL, BREYIG MISSION, ALASKA. Breyig Mission recreation hall.
- R18AA-01300-01 (ASRI) NICHOLAS, GREGORY,** GENERAL DELIVERY, CANTWELL, ALASKA. Cantwell council on alcoholism.
- R18AA-01301-01 (ASRI) NEWLIN, ROBERT,** VILLAGE OF NOORVIK, NOORVIK, ALASKA. Noorvik council on alcoholism (Alaska).
- R18AA-01302-01 (ASRI) MORGAN, GEORGE, SR,** ALASKA NATIVE SPEC ALC PROG, UPPER KALSAG, ALASKA. Upper Kalsag village council on alcoholism (Alaska).

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R18AA-01303-01 (ASRI) MAYO, KATHY, VILLAGE COUNCIL OF TANANA, TANANA, ALASKA. Tanana alcoholism program (Alaska).

R18AA-01304-01 (ASRI) MATHIEW, PETER, VILLAGE OF CHEFORNAK, CHEFORNAK, ALASKA. Cheforanak council on alcoholism (Alaska).

R18AA-01305-01 (ASRI) SAVOK, SIGWEN, VILLAGE OF BUCKLAND, BUCKLAND, ALASKA. Buckland council on alcoholism (Alaska).

R18AA-01306-01 (ASRI) KETZLER, HENRY, SR, VILLAGE COUNCIL OF MENANA, BOX 35, MENANA, ALASKA. Menana Community Alcoholism Center (Alaska).

R18AA-01307-01 (ASRI) KENNEDY, CLARENCE, VILLAGE OF KIVALINA, KIVALINA, ALASKA. Kivalina council on alcoholism (Alaska).

R18AA-01308-01 (ASRI) JOHN, LOUIE, VILLAGE COUNCIL OF CIRCLE, GENERAL DELIVERY, CIRCLE, ALASKA. Circle Village Community Center (Alaska).

R18AA-01309-01 (ASRI) HAWK, ISAAC, VILLAGE OF EEK, GENERAL DELIVERY, EEK, ALASKA. EEK council on alcoholism (Alaska).

R18AA-01310-01 (ASRI) HAGEN, ROSE M, VILLAGE COUNCIL OF MANLEY, GENERAL DELIVERY, MANLEY HOT SPRINGS, ALASKA. Manley Hot Springs council on alcoholism (Alaska).

R18AA-01311-01 (ASRI) LOJNITZ, LEO, VILLAGE COUNCIL OF KOYUKUK, GENERAL DELIVERY, KOYUKUK, ALASKA. Koyukuk alcoholism-Recreational program (Alaska).

R18AA-01312-01 (ASRI) NICK, OSCAR, ATMAUTLUAK, ATMAUTLUAK, ALASKA. Atmautluak Council on Alcoholism (Alaska).

R18AA-01313-01 (ASRI) SHULER, JOHN, CITY OF BETHEL, BOX 537, BETHEL, ALASKA. Bethel council on alcoholism (Alaska).

R18AA-01314-01 (ASRI) NIEMAN, ELIZABETH, VILLAGE COUNCIL OF RAMPART, RAMPART, ALASKA. Rampart village alcoholism program (Alaska).

R18AA-01315-01 (ASRI) SIPARY, IVAN B, CITY OF NULATO, NULATO, ALASKA. Nulato city council (Alaska).

R18AA-01316-01 (ASRI) SNOW, TILLY M, MC GRATH NATIVE VILLAGE CNCL, MC GRATH, ALASKA. McGrath teen center (Alaska).

R18AA-01317-01 (ASRI) WALTON, ORAN, VILLAGE OF SELAWIK, SELAWIK, ALASKA. Selawik council on alcoholism (Alaska).

R18AA-01318-01 (ASRI) WILLIAMS, PAUL, BEAVER COUNCIL ON ALCOHOLISM, GENERAL DELIVERY, BEAVER, ALASKA. Beaver council on alcoholism (Alaska).

R18AA-01319-01 (ASRI) SAALAM, RANDALL, BIRCH CREEK VILLAGE COUNCIL, GENERAL DELIVERY, FT YUKON, ALASKA. Birch Creek recreation center (Alaska).

R18AA-01320-01 (ASRI) CHARLIE, PHILLIP, JR, VILLAGE OF TUNTUTULIAK, GENERAL DELIVERY, TUNTUTULIAK, ALASKA. Tuntutuliak Council on Alcoholism (Alaska).

R18AA-01321-01 (ASRI) BOOTH, ROLAND, VILLAGE OF NOATAK, NOATAK, ALASKA. Noatak council on alcoholism (Alaska).

R18AA-01322-01 (ASRI) BLOWER, JOHN, VILLAGE OF AMBLER, AMBLER, ALASKA. Ambler Council on Alcoholism (Alaska).

R18AA-01323-01 (ASRI) DOUGLAS, FLORENCE, VILLAGE OF SHUNGNAK, SHUNGNAK, ALASKA. Shungnak council on alcoholism (Alaska).

R18AA-01324-01 (ASRI) MADROS, FRANKLIN, SR, KALTAG CITY COUNCIL, KALTAG, ALASKA. Kaltag recreation program (Alaska).

R18AA-01325-01 (ASRI) WOODS, ALFRED, TOK NATIVE ASSOCIATION, BOX 155, TOK, ALASKA. TOK recreation program.

R18AA-01326-01 (ASRI) REPT, GUST, JR, KARLUK VILLAGE ALCOHOLISM SER, KARLUK, ALASKA. Village alcoholism service (Alaska).

R18AA-01328-01 (ASRI) LIGHT, DAVID, ALASKA NATIVE BROTHERHOOD, BOX 455, HAINES, ALASKA. Haines alcoholism service (Alaska).

R18AA-01329-01 (ASRI) STEPETIN, GABRIEL, ALASKA NATIVE SPECIAL ALC PROG, ST PAUL ISLAND, ALASKA. St Paul family recreation center (Alaska).

R01AA-01330-01 (ALC) TABAKOFF, BORIS, CHICAGO MEDICAL SCHOOL, 2020 WEST OGDEN AVENUE, CHICAGO, ILL. Drugs, depression, addiction-Role of biogenic aldehydes.

R18AA-01332-01 (ASRI) BEANS, PAT L, SR, ANDREAFSKI TOWNSITE, POST OFFICE BOX 61, ST MARYS, ALASKA. Andreafski Townsite (Alaska).

R18AA-01333-01 (ASRI) POST, JOE, GENERAL DELIVERY, NIGHTMUTE, ALASKA. Nightmute council on alcoholism (Alaska).

R18AA-01335-01 (ASRI) BEANS, JOSEPH, VILLAGE OF MOUNTAIN VILLAGE, POST OFFICE BOX 196, MT VILLAGE, ALASKA. Azachorok council on alcoholism (Alaska).

R18AA-01336-01 (ASRI) SCHUERCH, VINCE, ALASKA SPEC NATIVE ALCO PROG, KIANA, ALASKA. Kiana council on alcoholism (Alaska).

R18AA-01337-01 (ASRI) SAMUELSON, ALEX, ALASKA NATIVE SPEC ALCO PROG, POST OFFICE BOX 11, KING COVE, ALASKA. King Cove council on alcoholism (Alaska).

R18AA-01338-01 (ASRI) SAMA, KENNETH, ALASKA NATIVE SPEC ALCO PROG, HUSLIA, ALASKA. Huslia native council (Alaska).

R18AA-01339-01 (ASRI) LINCOLN, GEORGIANNA, FAIRBANKS NATIVE ASSN, 102 LACEY STREET, FAIRBANKS, ALASKA. Fairbanks native association council on alcoholism.

R18AA-01340-01 (ASRI) JOHNSON, DANIEL, MT EDGECLUMBE SCHOOL, BUREAU OF INDIAN AFFAIRS, MT EDGECLUMBE, ALASKA. Mt Edgocumba high school-Council on alcoholism (Alaska).

R18AA-01341-01 (ASRI) HASSINGER, DAVID, ALASKA NATIVE SPEC ALCO PROG, BOX 516, ANIAK, ALASKA. Aniak alcoholism alternates (Alaska).

R18AA-01342-01 (ASRI) HONEA, DONALD V, RUBY NATIVE COUNCIL, BOX 17, RUBY, ALASKA. Ruby Native Council (Alaska).

R18AA-01343-01 (ASRI) JACKSON, NICK, BOX 123, GAKONA, ALASKA. Copper River alcoholism program chitina.

R18AA-01344-01 (ASRI) JOE, DAVID A, VILLAGE OF HEALY LAKE, POST OFFICE BOX 248, DELTA JUNCTION, ALASKA. Healy Lake Village council (Alaska).

R18AA-01346-01 (ASRI) DEITERING, KEN, HOONAH HEALTH COUNCIL, HOONAH, ALASKA. Hoonah alcoholism service (Alaska).

R18AA-01347-01 (ASRI) CHRISTENSEN, CHARLES, VILLAGE OF LARSEN BAY, LARSEN BAY, ALASKA. Larsen Bay council on alcoholism (Alaska).

R18AA-01348-01 (ASRI) CHRISTIANSEN, CARL, CITY OF OLD HARBOR, POST OFFICE BOX 109, OLD HARBOR, ALASKA. Old Harbor council on alcoholism (Alaska).

R18AA-01355-01 (ASRI) COFFEY, MORRIS, VILLAGE CORPORATION PROGRAM, STEBBINS, ALASKA. Village corporation program (Alaska).

R18AA-01356-01 (ASRI) BERIKOFF, EMIL, CITY OF UNALASKA, UNALASKA, ALASKA. Unalaska council on alcoholism.

R18AA-01357-01 (ASRI) ANDREE, HELENA M, DILLINGHAM AWARENESS HOUSE, BOX 179, DILLINGHAM, ALASKA. Dillingham Awareness House (Alaska).

R18AA-01358-01 (ASRI) BARR, ZACCHAEUS W, SHISHMARF CNCL ON ALCOHOLISM, GENERAL DELIVERY, SHISHMARF, ALASKA. Shishmarf council on alcoholism (Alaska).

R18AA-01359-01 (ASRI) PULLOCK, JOHN, KING ISLAND VILLAGE, BOX 206, NOME, ALASKA. Sunarit alcoholism program (Alaska).

R18AA-01260-01 (ASRI) OLSON, MARTIN, VILLAGE OF GOLOVIN, GOLOVIN, ALASKA. Golovin city council (Alaska).

R18AA-01361-01 (ASRI) NASHALOOK, HENRY, VILLAGE OF UNALAKLEET, POST OFFICE BOX 212, UNALAKLEET, ALASKA. Unalakleet community development association (Alaska).

R18AA-01362-01 (ASRI) LEE, DON E, CITY OF KOTZEBUE, KOTZEBUE, ALASKA. Kotzebue council on alcoholism (Alaska).

R18AA-01363-01 (ASRI) JOE, DONALD J, TETLIN VILLAGE, TETLIN, ALASKA. Tetlin alcoholism program (Alaska).

R18AA-01365-01 (ASRI) PAUKAN, MOSES, VILLAGE COUNCIL OF ST MARY'S, POST OFFICE BOX 77, ST MARY'S, ALASKA. St Mary's Village alcoholism program.

R18AA-01366-01 (ASRI) WASSILIE, B EVAN, CITY OF NAPAIAK, NAPAIAK, ALASKA. Napaiaik Council on Alcoholism (Alaska).

R18AA-01367-01 (ASRI) WALANGA, WILLIS, VILLAGE OF GAMBELL, GAMBELL, ALASKA. Village alcoholism program (Alaska).

R18AA-01368-01 (ASRI) SKANBERG, NANCY L, NATIVE VILLAGE OF CHIGNIK, CHIGNIK, ALASKA. Chignik Village alcoholism service (Alaska).

R18AA-01369-01 (ASRI) SPRAGUE, MARLENE, POST OFFICE BOX 4, CRAIG, ALASKA. Community center for alcoholism (Alaska).

R01AA-01372-01 (ALC) VAILLANT, GEORGE E, CAMBRIDGE HOSPITAL, 1493 CAMBRIDGE STREET, CAMBRIDGE, MASS. Natural history of alcohol abuse (urban males).

R18AA-01374-01 (ASRI) KANRIKAK, VICTOR, SR, TUNUNAK VILLAGE COUNCIL, TUNUNAK, ALASKA. Tununak council on alcoholism (Alaska).

R18AA-01375-01 (ASRI) LESTENKOFF, ALVIN, VILLAGE COUNCIL OF ST GEORGE, ST GEORGE ISL, ALASKA. St George recreational program (Alaska).

R18AA-01376-01 (ASRI) EVAN, CRIM, LOWER KOLSKAG CITY COUNCIL, LOWER KOLSKAG, ALASKA. Lower Kolskag Alaska Council on alcoholism.

R18AA-01377-01 (ASRI) ABYO, ANDREW, PILOT POINT CMNTY WORKSHOP, BOX 100, PILOT POINT, ALASKA. Pilot Point community workshop (Alaska).

R18AA-01378-01 (ASRI) CLEVELAND, KENNETH, VILLAGE OF QUINHAGAK, QUINHAGAK, ALASKA. Quinhagak Village alcoholism program (Alaska).

R18AA-01379-01 (ASRI) WASSILLIE, EVELYN, NEWHALEN VILLAGE, ILIAMIA, ALASKA. Newhalen abuse center (Alaska).

R18AA-01380-01 (ASRI) MACK, STANLEY, CITY COUNCIL OF SAND POINT, SAND POINT, ALASKA. Sand Point recreation program (Alaska).

R18AA-01381-01 (ASRI) GOLOGERGEN, EDWARD, CITY COUNCIL, SAVOONGA, ALASKA. Savoonga alcoholism program (Alaska).

R18AA-01382-01 (ASRI) GUNDERSEN, PAUL E, JR, VILLAGE CNCL OF NELSON LAGOON, NELSON LAGOON, ALASKA. Nelson lagoon recreational program (Alaska).

R18AA-01383-01 (ASRB) MATTOX, ROBERT F, P O BOX 670, ELIZABETHTON, TENN. Alcohol counseling and recovery programs.

R01AA-01387-01 (ALC) COHEN, GERALD, MT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE & 100TH STREET, NEW YORK, N Y. Catecholamine-derived alkaloids in alcoholism (rats).

R18AA-01390-01 (ASRP) O'BRIAN, HUGH, HUGH O'BRIAN YOUTH FOUNDATION, 132 SOUTH RODEO DRIVE, BEVERLY HILLS, CALIF. Youth leadership and alcohol education.

R03AA-01391-01 (MSM) MC CANDLESS, DAVID W, UNIV OF VERMONT COLLEGE OF MED, GIVEN BUILDING, BURLINGTON, VT. Thiamine deficiency-Intracerebral mechanism.

R03AA-01392-01 (MSM) DIXON, LINDA K, UNIVERSITY OF COLORADO, 1100 14TH STREET, DENVER, COLO. Effect of alcohol on chromosomes (mice).

R18AA-01394-01 (ASRB) ALEXANDER, JOE B, SOUTHWEST MENTAL HLTH CENTER, 575 NORTH MAIN STREET, LAS CRUCES, N MEX. Dona Ana alcoholism treatment program.

R01AA-01395-02 (BIO) WEINER, HENRY, PURDUE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, WEST LAFAYETTE, IND. Metabolic regulation of neuro-active aldehydes (rats, rabbits).

R01AA-01396-01 (ALC) MISCHKE, HAROLD D, ALCOHOLISM PROGRAM EVALUATION, 506 2ND AVE, 1003 SMITH TOWER, SEATTLE, WASH. Unified federal-state alcoholism monitoring system.

R18AA-01400-01 (ASRB) DICKERSON, LAWRENCE L, SOUTHWEST INDIAN FDN/ALCOHOL, POST OFFICE BOX 307, GALLUP, N MEX. Southwest Indian Foundation Alcoholism Program.

R03AA-01404-01 (MSM) GUYNN, ROBERT W, UNIVERSITY OF TEXAS, 6400 W CULLEN, HOUSTON, TEX. Ethanol metabolism and acetyl-choline synthesis (rats).

R18AA-01406-01 (ASRB) SEWARD, BERNA K, 51 1/2 MERCHANTS ROW, RUTLAND, VT, RUTLAND, VT. Alcoholism information and referral center, Inc..

R03AA-01408-01 (ALC) LEMKAU, PAUL V, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Drinking patterns in two Lumbee Indian communities.

R18AA-01410-01 (ASRB) JACOBS, BERNIECE E, 112 EAST 8TH STREET, CHEYENNE, WYO. Cheyenne alcoholism counseling program.

R18AA-01411-01 (ASRI) ESCALANTE, FERNANDO T, LEAP-CITY OF PHOENIX, 302 WEST WASHINGTON, PHOENIX, ARIZ. Phoenix urban Indian alcoholism program.

R01AA-01416-01 (ALC) TRUITT, EDWARD B, GEORGE WASHINGTON UNIV, 2300 EYE ST N W, WASHINGTON, DC. Role of biogenic amines in the actions of alcohol (rats).

R18AA-01440-01 (ASRB) LLOYD, WILLIAM B, MONTEFIORE HOSP & MED CTR, 111 EAST 210 STREET, BRONX, N Y. Martin Luther King, Jr. alcoholism program.

R01AA-01441-01 (ALC) STEINGLASS, PETER J, DEPT OF PSYCHIATRY & BEHAV SCI, 2150 PENNSYLVANIA AVE N W, WASHINGTON, D C. Factors maintaining drinking in alcoholic families.

R18AA-01460-01 (ASRI) BROWN, DANIEL G, INDIAN HEALTH SERVICE ANNEX, 1440 E INDIAN SCHOOL RD, PHOENIX, ARIZ. Apache comprehensive care center (planning).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R18AA-01475-01 (ASRB) ROTHFIELD, PAUL, P O BOX 613, 870 COUNTY ROAD, POCASSET, MASS. Women's alcoholism program.	R18AA-01645-01 (ASRB) MAGNUSON, THOMAS R, INDIANHEAD CNCL-ALC/DRUG ABUSE, 337 SOUTH KELLER AVE, AVERY, WIS. Alcoholism outreach counselors.
R18AA-01476-01 (ASRB) O'BRIAN, ROBERT G, GARDEN-SULLIVAN HOSPITAL, 2750 GEARY BLVD, SAN FRANCISCO, CALIF. Alcoholism emergency care services.	R18AA-01653-01 (ASRB) BOUNOUS, GARY C, RIMROCK GUIDANCE FOUNDATION, 804 NORTH 29TH ST, BILLINGS, MONT. Alcoholism treatment program and referral system.
R18AA-01477-01 (ASRB) COLE, HAROLD M, 3316 SACRAMENTO BLVD, SACRAMENTO, CALIF. Community alcoholism services funding program.	R18AA-01663-01 (ASRC) HELLER, ABRAHAM, NEWPORT HOSPITAL, FRIENDSHIP STREET, NEWPORT, R I. Newport regional comprehensive alcoholism program.
R18AA-01482-01 (ASRB) TOBIN, KAREN N, PROGRAM FUNDING INC, SUITE 730 POWERS BLDG, ROCHESTER, N Y. Alcohol program for migrants and farmworkers.	R18AA-01663-01 (ASRC) MACVAUGH, GILBERT S, DELTA MNLT HLTH & MNLT RETARDA, P O BOX 599, GREENVILLE, MISS. Alcohol abuse and alcoholism demonstration project.
R18AA-01483-01 (ASRC) VICKERS, ROBERT E, AROOSTOOK MENTAL HEALTH SERVIC, FORT FAIRFIELD, MAINE. Comprehensive alcoholism program.	R18AA-01672-01 (ASRC) LOVETT, JERRY, CUMBERLAND RIVER MENTAL HEALTH, P O BOX 568, CORBIN, KY. Cumberland River Mental Health-Mental Retardation Board, Inc.
R18AA-01484-01 (ASRC) GILSTRAP, RODERIC W, LOVELACE - BATAAN MEDICAL CENT, 5200 GIBSON BLVD, ALBUQUERQUE, N MEX. Human intervention and motivation study (air line pilots).	R18AA-01674-01 (ASRB) RUDOLPH, MARGARET M, 786 EAST SEVENTH ST, ST PAUL, MINN, ST PAUL, MINN. Association of halfway house communications and service.
R18AA-01487-01 (ASRB) LOESCH, WILLIAM R, 300 MR VERNON STREET, DORCHESTER, MASS. Columbia Point alcoholism program.	R18AA-01675-01 (ASRC) MORITZ, TIMOTHY B, SANATORIUM ROAD, POMONA, N Y, POMONA, N Y. Rockland County comprehensive alcoholism service programs.
R18AA-01491-01 (ASRB) SEWARD, BERNA K, ALCOHOLISM INFORMATION AND REF, 51 1/2 MERCHANTS ROW, RUTLAND, VT. Care system for public inebriates in Rutland County.	R18AA-01676-01 (ASRI) LAFROMBOISE, EDWARD P, 806 NORTH ALBERT, ST PAUL, MINN, ST PAUL, MINN. Just Fairbanks aftercare residence.
R18AA-01497-01 (ASRB) MANOS, STEVEN S, MANHATTAN BOWERY PROJECT, 8 E 3RD ST, NEW YORK, N Y. West Side non-medical detoxification.	R18AA-01682-01 (ASRB) BASS, JEANNE F, SPRINGFIELD MODEL CITIES AGENC, 736 STATE STREET, SPRINGFIELD, MASS. Black alcoholism-Education, outreach and treatment.
R18AA-01504-01 (ASRC) ROGMAN, PAUL M, TULANE UNIVERSITY, 21 NEWCOMB HALL, NEW ORLEANS, LA. Monitoring of occupational alcoholism programming (private and public agencies).	R18AA-01683-01 (ASRC) MAYPOLE, DONALD E, P O BOX 15, INDEPENDENCE, WIS, INDEPENDENCE, WIS. Mississippi river human services center.
R18AA-01507-01 (ASRB) BULLOCK, SYBIL S, 408 OREGON BUILDING, 494 STATE STREET, SALEM, OREG. Alcohol counseling and education.	R18AA-01692-01 (ASRO) HUDDLESTON, FRANK, HUGHES AIRCRAFT, P O BOX 90515, LOS ANGELES, CALIF. ALMACA occupational alcoholism program assessment.
R18AA-01508-01 (ASRC) HARKINS, DAVID F, LANSDOWNE MENTAL HEALTH BOARD, BOX 790, ASHLAND, KY. Community outreach project for alcohol services.	R18AA-01694-01 (ASRI) WHITERABBIT, MITCHELL, ST PAUL AMERICAN INDIAN CENTER, 475 CEDAR STREET, ST PAUL, MINN. Expansion funds for court advocate and staff (American Indians).
R18AA-01509-01 (ASRI) CURRY, RICHARD, UTE TRIBE ALCOHOLISM & DRUG PR, P O BOX 069, FORT DUCHESSNE, UTAH. Uintah and Ouray indian recovery center.	R18AA-01697-01 (ASRC) KERN, JOSEPH C, NASSAU CITY DEPT OF DRUG & ALC, 1 STATION PLAZA NORTH, MINEOLA, N Y. Alcoholism rehabilitation service.
R18AA-01526-01 (ASRI) WOUNDED HEAD, HERBERT G, YANKTON SIOUX TRIBE, R R 03, WAGNER, S DAK. Community alcoholism and treatment service program.	R18AA-01704-01 (ASRC) SENA, DAVID A, 3036 W COLORADO AVENUE, COLORADO SPRINGS, COLO, COLORADO SPRINGS, COLO. Pikes Peak alcoholism service division.
R18AA-01533-01 (ASRB) BRINON, GERALD D, NORTHEAST KINGDOM MNLT HLTH SE, BOX 703, 60 BROADVIEW AVENUE, NEWPORT, VT. Comprehensive alternative care services project.	R18AA-01714-01 (ASRP) KEATING, JOHN H, N C A - ALASKA REGION, P O BOX 506, ANCHORAGE, ALASKA. Alaska public education project.
R18AA-01541-01 (ASRB) BURKETT, WILLIAM T, P O BOX 208, 325 EAST MAIN STREET, MOREHEAD, KY. Cave run comprehensive care center.	R18AA-01718-01 (ASRB) ARNOLD, JUDY P, P O BOX 2644, TEXARKANA, TEX. Court alcohol abuse program.
R18AA-01546-01 (ASRI) BARLEY, ROBERT S, P O BIN G, SOMERTON, ARIZ, SOMERTON, ARIZ. Cocopah alcoholism program.	R18AA-01722-01 (ASRC) CUSHING, MERRITT C, 151 CENTRAL MAIN, PUEBLO, COLO. Southern Colorado comprehensive alcoholism program.
R18AA-01548-01 (ASRB) JEFFERSON, MILTON, SR, FT YUMA ALCOHOL & DRUG ABUSE P, P O BOX 890, YUMA, ARIZ. Fort Yuma Quechan Friendship House.	R18AA-01732-01 (ASRO) SHULTERBRANDT, BLORA L, VIRGIN ISLANDS DEPT OF HLTH, P O BOX 1442, ST THOMAS, VIRGIN ISLANDS. Enhancement of occupational alcoholism project.
R18AA-01561-01 (ASRC) MC CLAMROCH, SUE J, 903 ELEVENTH STREET, PASCAGOULA, MISS, PASCAGOULA, MISS. Alcoholism service program region XIV.	R18AA-01736-01 (ASRB) DIMAS, GEORGE C, SUITE 1720, 2 PARK AVENUE, NEW YORK, N Y. Developing state voluntary alcoholism associations.
R18AA-01573-01 (ASRC) FREDERICK, HARRY J, ST JOHN'S GENERAL HOSPITAL, 3339 MCCLURE AVENUE, PITTSBURGH, PA. St John's Hospital comprehensive alcoholism services program.	R18AA-01737-01 (ASRP) MC QUERY, ELTON K, CITIZENS CONF ON ST LEGISLATUR, 4722 BROADWAY, KANSAS CITY, MO. State legislative action on alcoholism and drug abuse.
R18AA-01574-01 (ASRB) TUSA, JOHN J, BOWERY RESIDENTS' COMMITTEE, 267 BOWERY, NEW YORK, N Y. Bowery residents' committee ambulatory drop-in center.	R18AA-01742-01 (ASRO) HORMAN, RICHARD E, 1001 CONNECTICUT AVE, N W, SUITE 1200, WASHINGTON, D C. Council of state and territorial alcoholism authorities.
R18AA-01583-01 (ASRC) DOUGLAS, A EUGENE, S E REGIONAL MNLT HLTH CTR, 209 WEST 28TH STREET, LUMBERTON, N C. Alcoholism service delivery project.	R18AA-01744-01 (ASRO) COOGAN, FRANK N, 1 WEST WILSON STREET, MADISON, WIS, MADISON, WIS. Wisconsin state occupational alcoholism program expansion.
R18AA-01586-01 (ASRB) HOLLINGSWORTH, STUART, MARICOPA COUNTY GENERAL HOSPIT, 2601 E ROOSEVELT STREET, PHOENIX, ARIZ. Maricopa county public inebriate program.	R18AA-01745-01 (ASRP) STERN, ELLIOT J, GROUP HLTH ASSOC OF AMERICA, 1, 1717 MASSACHUSETTS AVE, N W, WASHINGTON, D C. Alcoholism within prepaid group practice HMO's.
R18AA-01590-01 (ASRB) WELLS, JAMES L, ROXBURY DISTRICT COURT CLINIC, 85 WARREN STREET, ROXBURY, MASS. Roxbury court alcoholism screening/referral program.	R18AA-01746-01 (ASRO) DOUGLAS, JAMES D, JR, TEXAS COMMISSION ON ALCOHOLISM, 809 SAM HOUSTON STATE OFFICE B, AUSTIN, TEX. Texas expanded occupational programs.
R18AA-01594-01 (ASRO) BUCHANAN, ADRIAN T, 325 E WHITE STREET, ROCK HILL, S C, ROCK HILL, S C. Employee assistance program.	R18AA-01747-01 (ASRP) GBANELL, MICHAEL K, NAT'L ASSOC OF COUNTIES RES FD, 1735 NEW YORK AVE, WASHINGTON, D C. Prevention and treatment of alcohol abuse and alcoholism.
R18AA-01597-01 (ASRB) LAWRENCE, MARK A, AREA C COMMUNITY MENTAL H C, 3246 P STREET, N W, WASHINGTON, D C. Untreated alcoholics-Casefinding, referral, service.	R18AA-01752-01 (ASRO) TROW, JESSE E, N H DIV OF PUBLIC HEALTH SERVL, 66 SOUTH STREET, CONCORD, N H. Expansion of state occupational alcoholism services.
R18AA-01601-01 (ASRC) MC COLL, ROBERT LEE, LEE-HARNETT MENTAL HEALTH AREA, P O BOX 0, SANFORD, N C. Lee-Harnett area alcoholism project.	R18AA-01755-01 (ASRO) DELANCY, THOMAS J, JR, NYC DEPT OF MENTAL HYGIENE, 44 HOLLAND AVE, ALBANY, N Y. NYC corporate headquarters project.
R18AA-01604-01 (ASRO) BARNWELL, RICHARD E, EMPLOYEE ASSISTANCE SERVICE, P O BOX 897, TACOMA, WASH. Early identification and referral model.	R18AA-01756-01 (ASRO) ANDERSON, MYRON P, HAWAII COMMITTEE ON ALCOHOLISM, 575 COOKE STREET, HONOLULU, HAWAII. Alcoholism program services.
R18AA-01604-01 (ASRB) BARTON, DENIS, CARE ABOUT NOW, INC, 164 SHAWMUT STREET, CHELSEA, MASS. Special project-Criminal justice alcoholism program.	R01AA-01761-01 (ALC) HANNA, JOEL M, BIOMEDICAL SCIENCES BUILDING, UNIVERSITY OF HAWAII, HONOLULU, HAWAII. Alcohol metabolism in four ethnic groups in Hawaii.
R18AA-01608-01 (ASRP) BARRIL, GEORGE, ALASKA FEDERATION OF NATIVES, 1675 C STREET, ANCHORAGE, ALASKA. Alaska statewide alcoholism media campaign.	R01AA-01762-01 (ALC) JOHNSON, RONALD C, UNIVERSITY OF HAWAII, 2340 CAMPUS ROAD, HONOLULU, HAWAII. Ethnic difference in alcohol related behaviors.
R18AA-01609-01 (ASRI) YELLOWCALF, HAWK TOM, P O BOX 579, YELM, WASH, YELM, WASH. Thurston County Indian alcoholism program.	R18AA-01764-01 (ASRB) GRIMALDI, LOUIS M, BUREAU OF PROGRAM OPERATIONS, 2023 N SECOND STREET, HARRISBURG, PA. Public inebriate program.
R18AA-01615-01 (ASRB) AUSTIN, CHARLES M, WALLA WALLA COUNTY COUNCIL ON, 305 DENNY BUILDING, WALLA WALLA, WASH. Community alcoholism services Spanish-American.	R18AA-01764-01 (ASRO) LANDRETH, CHARLES N, BUREAU OF ALCOHOLIC REHABILITA, 1323 WINWOOD BOULEVARD, TALLAHASSEE, FLA. Occupational alcoholism research and training service.
R18AA-01618-01 (ASRB) HARBESTY, WILLIAM A, YOUNG PEOPLES RESIDENTIAL CTR, 422 WEST 3RD STREET, DULUTH, MINN. Young people residential center.	R18AA-01767-01 (ASRO) ROWNTREE, GRADIE R, BUREAU FOR HEALTH SERVICES, 275 EAST MAIN STREET, FRANKFORT, KY. Kentucky occupational alcoholism programs.
R18AA-01619-01 (ASRC) SILVA, RAYMOND J, 16 EAST THIRD STREET, MAYSVILLE, KY, MAYSVILLE, KY. Comprehensive rural alcoholism program.	R18AA-01771-01 (ASRB) CARTER, RUTHER M, BROWARD CNTY COMM'N ON ALC'ISM, 303 SE 17TH STREET ROOM 504, FORT LAUDERDALE, FLA. Community poverty alcoholism rehabilitation program.
R18AA-01634-01 (ASRC) HORVATH, LOUIS D, CROZER-CHESTER MEDICAL CENTER, 15TH STREET & UPLAND AVENUE, UPLAND, CHESTER, PA. Comprehensive alcoholism program.	R18AA-01782-01 (ASRB) LEMMERS, DAVID F, N ARIZ COMPREHENSIVE GUIDANCE, 2501 N 4TH ST, FLAGSTAFF, ARIZ. Comprehensive alcoholism services project.
R18AA-01637-01 (ASRB) LANG, JAMES B, 718 SOUTH FIFTH AVENUE, WILMINGTON, N C, WILMINGTON, N C. Criminal justice-alcoholism project II.	
R18AA-01639-01 (ASRC) FINLAW, WILLIAM W, 616 NORTH COVE BOULEVARD, PANAMA CITY, FLA. Comprehensive alcoholism services grant.	
R18AA-01642-01 (ASRI) INKANISH, CLARK, P O BOX 148, PAWNEE, OKLA. Social Development center.	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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R01AA-01785-01 (ALC) DINOSO, VICENTE P, JR, HAHNEMANN MED COLL & HOSP, 230 BROAD STREET, PHILADELPHIA, PA. Acute and chronic effects of ethanol on gastric mucosa (human, rats, dogs).

R18AA-01787-01 (ASRP) LOEHR, JAMES E, SAN LUIS VALLEY COMP CMHC, 208 CRESTONE AVENUE, ALAMOSA, COLO. Community alcoholism services poverty program.

R18AA-01789-01 (ASRP) GRIFFITH, EARL W, 1611 DEVONSHIRE DRIVE, POST OFFICE BOX 4616, COLUMBIA, S. C. State prevention coordination program.

R18AA-01790-01 (ASRP) WOLFSON, JUDITH, ALCOHOL ADVISORY COUNCIL, 90 WASHINGTON STREET, HARTFORD, CONN. State alcoholism prevention coordination.

R18AA-01791-01 (ASRP) PETERSON, JAMES H, 1860 LINCOLN ST, SUITE 300, DENVER, COLO. Task force on responsible decisions about alcohol.

R18AA-01792-01 (ASRP) WEINER, HAROLD N, N Y ST DEPT OF MENTAL HYGIENE, 2 WORLD TRADE CTR - 56TH FLOOR, NEW YORK, N. Y. New York state alcoholism prevention coordinator.

R18AA-01794-01 (ASRP) NORTH, JOHN W, ALCOHOLISM PREVENTION, P O BOX 94728, LINCOLN, NEBR. Nebraska alcoholism prevention program.

R18AA-01795-01 (ASRP) RICHARDSON, DONALD D, 535 KANSAS AVENUE, TOPEKA, KANS, TOPEKA, KANS. State prevention coordinator program.

R18AA-01796-01 (ASRP) ROBERTSON, ANNE D, MISS STATE BOARD OF HEALTH, P O BOX 1700, JACKSON, MISS. State prevention coordinator program.

R18AA-01797-01 (ASRP) RAMAGE, CHARLES A, ALASKA STATE OFFICE OF ALCOHOL, POUCH 'H', JUNEAU, ALASKA. Alaska state alcoholism program.

R18AA-01798-01 (ASRP) MILLER, GLEN H, OFFICE OF ALCOHOLISM, OLYMPIA, WASH, OLYMPIA, WASH. State alcoholism primary prevention program.

R18AA-01799-01 (ASRP) WOODARD, DONALD D, M MEX COMMISSION ON ALCOHOLISM, P O BOX 1731, ALBUQUERQUE, N MEX. State prevention coordination program.

R18AA-01800-01 (ASRP) BLEFSON, RICHARD D, STATE DEPARTMENT OF HEALTH, 320 AVENUE B EAST, BISMARCK, N DAK. State alcoholism prevention coordination program.

R18AA-01802-01 (ASRP) JEFFRY, CLARENCE, N H PROGRAM ON ALCOHOL AND DRUGS, 66 SOUTH STREET, CONCORD, N. H. State alcoholism prevention program expansion.

R18AA-01803-01 (ASRP) CROWE, DANIEL J, INDIANA DEPT OF MENTAL HEALTH, 3000 WEST WASH ST, INDIANAPOLIS, IND. Indiana alcohol abuse prevention coordinator project.

R18AA-01804-01 (ASRP) SOLOMON, ROBERT I, DEPT OF HLTH & ENVIRONMENTAL SCIENCES, HELENA, MONT, HELENA, MONT. Alcoholism prevention coordinator.

R18AA-01805-01 (ASRP) PETTY, LEON E, BANTON BLDG, 3000 NEWPORT GAP PKE, WILMINGTON, DEL. State prevention coordination program.

R18AA-01803-01 (ASRP) COK, LEO, CHARLES V CHAPIN HOSPITAL, 153 EATON STREET, PROVIDENCE, R. I. Alcohol abuse prevention demonstration grant.

R18AA-01807-01 (ASRP) BUTYNSKI, WILLIAM, SOCIAL AND REHABILITATION SERV, 81 RIVER STREET, MONTPELIER, VT. Vermont state prevention coordinator program.

R18AA-01808-01 (ASRP) RUNYON, RICHARD T, MENTAL HEALTH DIVISION, 2570 CENTER STREET, N E, SALEM, OREG. State prevention coordinator (Oregon).

R18AA-01810-01 (ASRP) LUDI, GEORGE F, 1150 CANYON ROAD, SANTE FE, N MEX. Community alcoholism services poverty program.

R18AA-01828-01 (ASRP) BOYLE, TERENCE J, OHIO DEPARTMENT OF HEALTH, 450 EAST TOWN STREET, COLUMBUS, OHIO. State prevention coordinator program.

R18AA-01829-01 (ASRP) WEISMAN, MAXWELL N, MD DEPT OF HEALTH & MENTAL HYG, 2305 N CHARLES STREET, BALTIMORE, MD. State prevention coordinator program.

R18AA-01830-01 (ASRP) DIXON, BENJAMIN L, DEPT OF HUMAN RESOURCES, 325 NORTH SALISBURY ST, RALEIGH, N. C. Prevention of alcohol abuse.

R18AA-01832-01 (ASRP) YATES, ALAN R, STATE OFFICE BLDG WEST, 2300 CAPITOL AVENUE, CHEYENNE, WYO. Alcohol abuse prevention services.

R18AA-01833-01 (ASRP) MC DONALD, JOHN A, TEXAS COMMISSION ON ALCOHOLISM, 809 SAN HOUSTON STATE OFFICE B, AUSTIN, TEX. Texas alcoholism prevention program.

R18AA-01837-01 (ASRP) BENOIT, JAMES B, STATE ALCOHOLISM SERVICES, 655 NORTH FIFTH STREET, BATON ROUGE, LA. State prevention coordination program.

R18AA-01838-01 (ASRP) ROWER, WILLIS H, ARIZONA DEPARTMENT OF HEALTH S, 1740 WEST ADAMS, PHOENIX, ARIZ. Arizona alcohol abuse prevention program.

R18AA-01839-01 (ASRP) COOGAN, FRANK N, 1 WEST WILSON STREET, MADISON, WIS, MADISON, WIS. Alcohol abuse prevention.

R18AA-01846-01 (ASRP) DORSCH, GRAYDON, COLORADO DEPT OF HEALTH, 4210 EAST 11TH AVENUE, DENVER, COLO. Alcoholism prevention coordinator.

R18AA-01847-01 (ASRP) FOX, ANN Q, HILLSBOROUGH CMTY MTL HLTH CTR, 5707 NORTH 22ND STREET, TAMPA, FLA. Services for problem drinking drivers.

R18AA-01848-01 (ASRP) GALVIN, VINCENT K, STATE OFFICE BUILDING 02, PIERRE, S DAK, PIERRE, S DAK. South Dakota state alcoholism education program.

R01AA-01853-01 (ALC) POWELL, BARBARA J, UNIVERSITY OF KENTUCKY, RM MN368 MEDICAL SCI BLDG, LEXINGTON, KY. Differential treatment of alcoholic subgroups.

N01AA-10115-07 (*) STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVE, MENLO PARK, CALIFORNIA 94023.** Monitoring operation of 10 alcoholic treatment centers.

N01AA-20123-08 (*) GENERAL ELECTRIC CO, ARCHITECTS BLDG SUITE 1100, 1400 WILSON BLVD, ARLINGTON VIRG 22209.** National Institute on Alcohol Abuse and Alcoholism—Clearinghouse.

N01AA-20149-08 (*) TRIBAL AMERICAN/TRAINING, CONSULTANTS ASSOCIATED, 512 WILSON ST SUITE 302, GLENDALE, CALIFORNIA 91206.** Pilot program for monitoring and evaluating NIAA funded projects.

N01AA-20154-02 (*) STANFORD RES INSTI, 333 RAVENSWOOD AVE, MENLO PARK, CAL 94025.** Evaluation of programs oriented toward alcoholic persons employed in industry.

N01AA-20155-02 (*) HARRIS, LOUIS ASSOC, 1270 AVE AMERICAS, NEW YORK N Y 10020.** Evaluation of public education campaign on alcohol use.

N01AA-20195-02 (*) MALLORY INST PATH FDN, 784 MASSACHUSETTS AVE, BOSTON, MASS 20852.** Factors affecting ethanol absorption from the gastrointestinal tract (animals).

N01AA-20203-00 (*) RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIGANGLE PARK, NORTH CAROLINA 27709.** Monitoring and evaluating the public inebriate program.

N01AA-30002-05 (*) RES TRIANGLE INST, P O BOX 12194, RESEARCH TRIANGLE PARK, N CAROLINA.** Perform surveys, analyses and related work in alcoholism.

N01AA-30031-00 (*) RES FDN STATE UNIV NY, P O BOX 7126, ALBANY, N Y 12224.** Study on interactions of alcoholism with cancer (phase II).

N01AA-30036-00 (*) LINTON, MIELDS, & COSTON INC., SUITE 200, 1015 18TH ST, N.W., WASHINGTON, D.C. 20036.** Study of impact of Alcoholism and Intoxication Treatment Act.

N01AA-30039-00 (*) TRACOR-JITCO, INC, 1601 RESEARCH BLVD, ROCKVILLE, MD 20850.** Study on interactions of alcoholism with cancer.

N01AA-30072-00 (*) UNIVERSITY OF MICHIGAN, RESEARCH ADMINISTRATION BLDG, NORTH CAMPUS, ANN ARBOR, MICHIGAN 48104.** Alcohol consumption and coronary heart disease.

N01AA-30074-00 (*) UNIVERSITY RESEARCH COFORATION, 5530 WISCONSIN AVE, N W, SUITE 1600, WASHINGTON, D.C. 20015.** National Center for Alcohol Education.

N01AA-30077-02 (*) MR. LEONARD C HALL, BOX 53-B RTE 2, EDGEWATER, MARYLAND 21037.** Prepare manuscripts on alcoholism.

N01AA-30080-01 (*) RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709.** Adolescent alcohol drinking behavior.

N01AA-30100-00 (*) GREY ADVERTISING, INC, 777 THIRD AVE, NEW YORK N Y 10017.** Nationwide alcohol abuse and alcoholism campaign.

N01AA-30102-00 (*) JOINT COMM ACCREDITATION HOSP, CHICAGO, ILL 60611.** Accreditation standard for alcoholism programs and facilities.

N01AA-30103-00 (*) SOCIO-TECH SYSTEMS ASSOC, INC., 29 COMMONWEALTH AVE, BOSTON, MASS 02116.** Study alcohol effects on old age (phase II).

N01AA-30105-00 (*) RAY HENRY ASSOC, 2814 PENN AVE, N.W., WASHINGTON, D.C. 20007.** Development of articles on alcohol abuse and alcoholism.

N01AA-30106-00 (*) INFORMATICS, INC, 6000 EXECUTIVE BOULEVARD, ROCKVILLE, MARYLAND 20852.** Operation and support for alcoholic treatment center monitoring system.

N01AA-30107-00 (*) SOUTHERLAND LEARNING ASSOC INC, 8425 W THIRD ST, LOS ANGELES, CALIFORNIA 90048.** Model learning system in alcohol abuse and alcoholism prevention (human).

N01AA-30109-00 (*) TEXAS DEPT MH, P.O. BOX 12668, CAPITOL STATION, AUSTIN, TEXAS 78711.** Effectiveness of state alcoholism programs.

N01AA-30110-00 (*) RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIANGLE, PARK N C 27.** Contexts of drinking of alcohol (human).

N01AA-30113-00 (*) UNIVERSITY OF CALIF, 405 HILGARD AVENUE, LOS ANGELES, CALIFORNIA 90024.** Relationships between alcohol consumption and heart disease.

N01AA-30114-00 (*) POLICY ANALYSIS, INC, 70 WARREN ST, NEWTON CENTER, MASSCHUSETTS 021.** Economic cost of alcohol abuse and alcoholism.

N01AA-30116-00 (*) INTERNATIONAL AGENCY RESEARCH, CANCER WORLD HEAL ORGANIZATION, 150 COURS ALBERT THOMAS, 9008 LYON FRANCE.** Alcohol beverages in etiology of certain cancers in man.

N01AA-30117-00 (*) THE EDUCATION, 300 LINCOLN TOWER, 1860 LINCOLN ST, DENVER COLORADO 80203.** Involving an educational system in alcohol abuse prevention.

N01AA-30119-00 (*) MCBER AND COMPANY, 675 MASS AVE, CAMBRIDGE, MASS 02139.** Interactions between alcohol and aggression in personality (human).

N01AA-40001-00 (*) ALASKA COMM ALCOHOL, ANCHORAGE, ALASKA 99501.** Technical assistance to Alaskan native alcoholism program.

N01AA-40002-00 (*) WORLD HEALTH ORGANIZATION, AVENUE APPA 1211, 27 GENEVA, SWITZERLAND.** Identifying and classifying disabilities related to alcohol consumption.

N01AA-40003-00 (*) NATL COUN ALCOHOL, 2 PARK AVE, NEW YORK, N Y 10016.** Performs surveys, analyses and related work in the field of alcohol abuse.

N01AA-40005-00 (*) AMERICAN MED ASSN, 535NORTH DEARBORN ST, CHICAGO, ILL 60610.** Support of conference on medical complications of alcohol abuse.

N01AA-40006-00 (*) N.Y. COUNCIL ALCOHOLISM, 29 EAST 22ND ST., NEW YORK, N.Y. 10010.** Support of interstate regional conference on alcoholism.

N01AA-40007-64 (*) H-2, INC, POST OFFICE BOX 10503, RALEIGH, N.C. 27605.** State regulatory agency survey and ATC cost/benefit study.

N01AA-40003-00 (*) STANFORD, RES INST, 333 RAVENSWOOD AVE, MENLO PARK, CAL 94025.** Follow-up study of alcoholism treatment center clients.

N01AA-40009-00 (*) COMPUTER HORIZONS, 1060 KINGS HIGHWAY NORTH, CHERRY HILL, N J. 08034.** Structure and impact of alcohol research.

N01AA-40010-00 (*) ROY LITTLEJOHN ASSOC, 1335 GREEN COURT, N.W., WASHINGTON, D.C. 20005.** Certification criteria for alcoholism counselors and staff.

N01AA-40012-00 (*) NAT YOUTH ALTER PROJ, DIV OF NEW COMM SCHOOLS, INC, 1830 CONNECTICUT AVE, N.W., WASHINGTON, D.C. 20009.** Alcoholism and youth.

N01AA-40013-00 (*) OPINION RES CORP, 1120 CONNECTICUT AVE, N.W., WASHINGTON, D.C. 20036.** Attitudes and behavior regarding alcoholism.

N01AA-40014-00 (*) FATHER JOSEPH MARTIN, ST.MARY'S SEMINARY, 600 NORTH PACA ST, BALTIMORE, MD 21201.** Pastoral counseling related to alcoholism in navy.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

N01AA-40017-00 (** BOOZ-ALLEN & HAMILTON, INC, 1025 CONNECTICUT AVE N.W., WASHINGTON, D.C. 20036. New alcoholism treatment approaches and present pattern of alcohol taking.
 N01AA-40018-00 (** CONTROLLED, SUBSTANCE INFO, POST OFFICE BOX 5554, ARLINGTON, VA 22205. Implementation of legislation relating to alcohol abuse and alcoholism.
 N01AA-40019-00 (** NAT CONGR PARENTS & TEACHERS, 700 RUSH ST, CHICAGO, ILL 60611. Alcohol education program for parents and school children.
 N01AA-40020-00 (** DOTY ASSOC, 416 HUNGERFORD DRIVE, ROCKVILLE, MD 20850. NIAAA monitoring system data.
 N01AA-40021-00 (** C.R. BEEK ASSO, 10404 LLOYD RD, POTOMAC, MD 20854. Publications and audiovisual presentations in alcoholism.
 N01AA-40022-44 (** GREY ADVERTISING, INC, 777 THIRD AVE, NEW YORK, N.Y. 10017. Nationwide alcohol abuse and alcoholism advertising campaign.
 N01AA-40023-00 (** WOLPER PROD, 8489 WEST 3RD ST, LOS ANGELES, CALIF 90048. Films entitled 'The Morning After'.
 N01AA-40026-00 (** GEN FED WOMENS CLUBS, 1734 N ST, N.W., WASHINGTON, D.C. 20036. Implementation of a national alcohol abuse prevention program.
 N01AA-40027-00 (** OPINION RES CORP, N.HARRISON ST, PRINCETON, NEW JERSEY 08540. Evaluation of NIAA public information campaign.
 N01AA-40028-00 (** STANFORD RES INST, 333 RAVENSWOOD AVE, MENLO PARK, CALIF 94025. Monitoring system in NIAAA funded poverty projects.
 N01AA-40029-00 (** INT COUNCIL ALCO & ADD, CASE PASTALE 140, 1001 LAUSANNE, SWITZERLAND. International symposium on alcoholism.
 N01AA-40030-00 (** INSIGHT INT, INC., 124 WEST FIRST ST, FLINT, MICHIGAN 48502. Outpatient alcoholism treatment facility.
 N01AA-40021-00 (** PRAGMATICS, INC., POST OFFICE BOX 88261, INDIANAPOLIS, IND 46208. Alcoholism treatment program for health maintenance organization.
 N01AA-40032-00 (** STANFORD RES INST, 333 RAVENSWOOD AVE, MENLO PARK, CALIF 94025. Evaluating the operation DOT/NIAAA joint alcoholism program.
 N01AA-40033-00 (** METCOR, INC., 2000 P ST, N.W. SUITE 505, WASHINGTON, D.C. 20037. Training of thirty ex-convicts as alcoholism counseling.
 N01AA-40034-00 (** INT CTR PSYCHOMETRICS, INC., 475 FIFTH AVE, NEW YORK, N.Y. 10017. The drinking habits of teenagers in New York and Rome.
 N01AH-24001-04 (** DAVIDSON, JANICE L, INDIANAPOLIS, INDIANA. Indiana MEDHC project.
 N01AH-24004-03 (** ABERCROMBIE, THOMPSON T, BIRMINGHAM, ALABAMA. Expand MEDHC program in Alabama.
 N01AH-24011-04 (** MARSTON, JOHN P, RALEIGH, NORTH CAROLINA. Expand MEDHC program in North Carolina.
 N01AH-24016-03 (** SMITH, STEWART C, SALT LAKE CITY, UTAH. Expand MEDHC program in Utah.
 N01AH-24026-03 (** BROWN, MONICA V, COLUMBUS, OHIO. Expand MEDHC program in Ohio.
 N01AH-24028-04 (** ADAIR, FRED, SAINT PAUL, MINNESOTA. Expand MEDHC program in Minnesota.
 N01AH-24029-04 (** CASPER, BERNARD V, DETROIT, MICHIGAN. Employment and further health training of veterans.
 N01AH-24040-05 (** BOBER, WILLIAM, SALEM, OREGON. Expand MEDHC program in Oregon.
 N01AH-24042-03 (** MARTIN, LYNN W, COLUMBIA, MISSOURI. Expand MEDHC program in Missouri.
 N01AH-24048-04 (** STORER, RICHARD L, CAMP HILL, PENNSYLVANIA. Expand MEDHC program in Pennsylvania.
 N01AH-24058-03 (** MERKEL, ROBERT D, NEW ORLEANS, LOUISIANA. Expand MEDHC program in Louisiana.
 N01AH-24040-03 (** MC GAVACK, JOHN, JR, NEW HAVEN, CONNECTICUT. Guidance and counseling services for careers in allied health.
 N01AH-24064-02 (** FARRIS, JEFFERSON D, CONWAY, ARKANSAS. Expand MEDHC program in Arkansas.
 N01AH-24220-02 (** WOHLENS, GLEN D, OLYMPIA, WASHINGTON. Support for MEDHC program.
 N01AH-24242-02 (** ADAMS, FRED, HARTFORD, CONNECTICUT. Consortium for allied health education.
 N01AH-24345-01 (** COOK, DONALD M, WASHINGTON, DISTRICT OF COLUMBIA. Clinical training for allied health professionals.
 N01AH-34018-04 (** HIATT, HOWARD H, CAMBRIDGE, MASSACHUSETTS. Evaluation of the educational program of the school of public health.
 N01AH-34096-02 (** PRICE, ELIZABETH, CHICAGO, ILLINOIS. Roles and functions of medical record personnel.
 N01AH-34118-02 (** PETERSON, KENT, WASHINGTON, DISTRICT OF COLUMBIA. Health and behavioral science curriculum in health services administration.
 N01AH-44002-00 (** SILVER, EVELYN, WASHINGTON, DISTRICT OF COLUMBIA. National conference on operation MEDHC.
 N01AH-44005-00 (** FOLEY, JOSEPH J, CHICAGO, ILLINOIS. To expand the MEDHC program in Illinois.
 N01AH-44010-00 (** MC LROD, JAMES L, AUGUSTA, GEORGIA. Expand the MEDHC program in Georgia.
 N01AH-44018-00 (** CANNON, JOSEPH E, PROVIDENCE, RHODE ISLAND. Expand the MEDHC program in Rhode Island.
 N01AH-44019-00 (** GALLAGHER, THOMAS F, PRINCETON, NEW JERSEY. Expand the MEDHC program in New Jersey.
 N01AH-44020-00 (** GOUDY, PBLTON, MONTPELIER, VERMONT. Expand the MEDHC program in Vermont.
 N01AH-44021-00 (** SHOOK, JOHN M, JACKSON, MISSISSIPPI. Expand the MEDHC program in state of Mississippi.
 N01AH-44022-00 (** MATTI, ELIZABETH F, CONCORD, NEW HAMPSHIRE. Expand the MEDHC program in New Hampshire.
 N01AH-44023-00 (** PIERNOT, CRAIG A, MADISON, WISCONSIN. Expanded MEDHC program in Wisconsin.
 N01AH-44024-00 (** CROCENZI, JOHN E, DOVER, DELAWARE. Expand the MEDHC program in Delaware.

N01AH-44025-00 (** BOSWELL, NORMAN, RICHMOND, VIRGINIA. Expand the MEDHC program in Virginia.
 N01AH-44028-00 (** HART, JAMES C, HARTFORD, CONNECTICUT. To expand MEDHC program in Connecticut.
 N01AH-44029-00 (** SHINDLEBICKER, JOHN B, BOISE, IDAHO. Expand the MEDHC program in Idaho.
 N01AH-44030-00 (** MBANY, JOHN, ALBANY, NEW YORK. Expand the MEDHC program in New York.
 N01AH-44031-00 (** HOUCK, EDWARD, OKLAHOMA CITY, OKLAHOMA. Expansion of the MEDHC program.
 N01AH-44032-00 (** LACOMBE, JAMES L, ALBUQUERQUE, NEW MEXICO. Expand the MEDHC program in the state of New Mexico.
 N01AH-44035-00 (** TAMBURNO, JOSEPH W, BURLINGTON, MASSACHUSETTS. Expand the MEDHC program in Massachusetts.
 N01AH-44035-00 (** SANGSTER, TOM R, DENVER, COLORADO. Expand the MEDHC program in Colorado.
 N01AH-44036-00 (** KRAUSE, RONALD D, PHOENIX, ARIZONA. Expand the MEDHC program in Arizona.
 N01AH-44037-00 (** ANDERSEN, PAUL, TALLAHASSEE, FLORIDA. Expand the MEDHC program in Florida.
 N01AH-44028-00 (** HARRIS, FRANKLIN D, LINCOLN, NEBRASKA. Expand MEDHC program in Nebraska.
 N01AH-44039-00 (** ULAMER, S J, JR, COLUMBIA, SOUTH CAROLINA. Expansion of the MEDHC program.
 N01AH-44040-00 (** BARRON, TERRY D, CHARLESTON, WEST VIRGINIA. Expand the MEDHC program in the state of West Virginia.
 N01AH-44041-00 (** HULL, KENNETH H, DES MOINES, IOWA. Expand MEDHC program in Iowa.
 N01AH-44042-00 (** SHAPPER, LARRY K, TOPEKA, KANSAS. Expand MEDHC program in Kansas.
 N01AH-44044-00 (** DISSER, RALPH, NASHVILLE, TENNESSEE. Expansion of MEDHC program in Tennessee.
 N01AH-44036-00 (** CONFREY, BUGENE A, BETHESDA, MARYLAND. Physicians assistants-Status and issues.
 N01AH-44073-00 (** BROWN, MONICA V, COLUMBUS, OHIO. Coordination of allied health educational programs.
 N01AH-44077-00 (** EMERSON, ROBERT L, AUGUSTA, MAINE. Expand MEDHC program in Maine.
 N01AH-44078-00 (** LEVY, SYLVIA L, HONOLULU, HAWAII. Expansion of MEDHC in Hawaii.
 N01AH-44080-00 (** WILLARD, NORMAN, FRANKFORT, KENTUCKY. Expand the MEDHC program in state of Kentucky.
 N01AH-44031-00 (** MOSES, TOM, BALTIMORE, MARYLAND. Expand MEDHC program in Maryland.
 N01AH-44032-00 (** GREENE, SHARON, RENO, NEVADA. Expand MEDHC program in Nevada.
 N01AH-44040-00 (** HIGLEY, PHYLLIS, ALBANY, NEW YORK, NEW YORK. Allied health teacher education program.
 N01AH-44102-00 (** FERGUSON, ALAN D, WELLESLEY, MASSACHUSETTS. Optometric educational institution.
 N01AH-44105-00 (** BARSTOW, M G, CAMBRIDGE, MASSACHUSETTS. HMO's and similar health systems.
 N01AH-44106-00 (** EWIGLEHEN, ROBERT L, BIG RAPIDS, MICHIGAN. Clinical education in allied health discipline.
 N01AH-44108-00 (** BEZONI, R M, KANSAS CITY, MISSOURI. Curriculum for non-physician primary care practitioners.
 N01AH-44109-00 (** WALDEN, DAVID C, LOS ANGELES, CALIFORNIA. Associated health education programs.
 N01AH-44118-00 (** GRIFFIN, NICHOLAS, CHICAGO, ILLINOIS. Evaluate competency of a physician-assistant.
 N01AH-44111-00 (** HAWKINS, ARTHUR G, WASHINGTON, DISTRICT OF COLUMBIA. Allied health counselor training program.
 N01AH-44112-00 (** MAGER, DONALD, WASHINGTON, DISTRICT OF COLUMBIA. Clinical education and clinical staff development.
 N01AH-44113-00 (** COTTON, RAYMOND, WASHINGTON, DISTRICT OF COLUMBIA. Information system among US Schools of Public Health.
 N01AH-44114-00 (** DAMPSEY, J E, CARBONDALE, ILLINOIS. National model for rural health manpower.
 N01AH-44116-00 (** GAMBALDI, JAMES J, ROCKVILLE, MARYLAND. Job performance and educational opportunities of occupational therapists.
 R01AI-00092-24 (TMP) HERMAN, ROBERT, RUTGERS UNIVERSITY, BUREAU OF BIOLOGICAL RESEARCH, NEW BRUNSWICK, N J. Visceral leishmaniasis in experimental animals (rodents).
 R01AI-00225-22 (BM) SISLER, HUGH D, UNIVERSITY OF MARYLAND, DEPARTMENT OF BOTANY, COLLEGE PARK, MD. Mechanism of action and metabolism of fungicides.
 R01AI-00226-23 (BM) ANCHEL, MARJORIE, NEW YORK BOTANICAL GARDEN, BRONX PARK, BRONX, N Y. Problems related to biologically active products.
 R01AI-00328-23 (GEN) ROMAN, MERSHEL L, UNIVERSITY OF WASHINGTON, DEPT OF GENETICS SX-50, SEATTLE, WASH. Genetic investigations in yeast-Saccharomyces.
 R01AI-00351-22 (TMP) ROZEBOOM, LLOYD E, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Biology, genetics, and physiology of disease vectors (mosquitoes).
 R01AI-00513-21 (TMP) CHERNIN, IBI, HARVARD SCH PUBLIC HLTH, 665 HUNTINGTON AVE, BOSTON, MASS. Biology and biological control of schistosomiasis (snails).
 R01AI-00536-21 (VR) WILDMAN, SAABUL G, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOLOGY, LOS ANGELES, CALIF. Reproduction and mutation of tobacco mosaic virus.
 R01AI-00563-27 (MBC) BARKER, HORACE A, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, BERKELEY, CALIF. Intermediary metabolism of bacteria.
 R01AI-00634-21 (GEN) KNIGHT, C ARTHUR, UNIVERSITY OF CALIFORNIA, VIRUS LABORATORY, BERKELEY, CALIF. Chemistry of virus mutation.
 R01AI-00658-18 (BM) NETER, ERWIN, CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N Y. Bacterial toxins and hemagglutination (human, rabbits).
 R01AI-00685-19 (MBC) KOPFLER, HENRY, DEPARTMENT OF BIOLOGICAL SCIEN, PURDUE UNIVERSITY, LAFAYETTE, IND. Study of bacterial flagella.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01AI-00701-18 (VR) BLACK, FRANCIS L, YALE UNIVERSITY, 60 COLLEGE STREET, NEW HAVEN, CONN. Measles virus recombination and reactivation.
- R01AI-00742-20 (SSS) HONIGBERG, BRONISLAW M, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF ZOOLOGY, AMHERST, MASS. Pathogenicity in trichomonads, other flagellates (rodent, rabbit, tse tse fly).
- R01AI-00771-20 (VR) YUNLL, THOMAS, UNIVERSITY OF WISCONSIN, 1655 LINDEN DRIVE, MADISON WIS. Wildlife reservoirs of arboviruses (rodents, deer).
- R01AI-00848-19 (MBC) BURRIS, ROBERT M, UNIVERSITY OF WISCONSIN, DEPT OF BIOCHEMISTRY, MADISON, WIS. Biological fixation of nitrogen by microorganisms.
- R01AI-00868-18 (VR) MANIRE, G PHILIP, UNIVERSITY OF NORTH CAROLINA, DEPT OF BACTERIOLOGY & IMMUNO, CHAPEL HILL, N C. Toxicity and infectivity of psittacosis organisms.
- R01AI-00884-20 (TMP) LEWERT, ROBERT M, UNIVERSITY OF CHICAGO, 939 EAST 57TH STREET, CHICAGO, ILL. Antigen-antibody reactions in parasite infections (rodents, dogs, human).
- R01AI-00924-19 (TMP) MC GHEE, R BARCLAY, UNIVERSITY OF GEORGIA, DEPARTMENT OF ZOOLOGY, ATHENS, GA. Biology of Haemosporidiidae and Trypanosomidae (birds, insects, plants).
- R01AI-00947-18 (CMS) ROEDER, KENNETH D, TUFTS UNIVERSITY, DEPT OF BIOLOGY, MEDFORD, MASS. Neurophysiology and behavior (cockroaches, moths, shrimp).
- R01AI-00957-19 (VR) AMOS, HAROLD, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. RNA function in viral infected and uninfected cells.
- R01AI-01023-18 (VR) WELLER, THOMAS H, HARVARD SCH OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Pathogenic agents using *in vitro* techniques (rats).
- R01AI-01042-18 (TMP) RITTERSON, ALBERT L, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Host-parasite relationships in trichinosis (hamsters).
- R01AI-01071-18 (MBC) BARKSDALE, LAINE, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. *Corynebacterium diphtheriae* and its viruses.
- R01AI-01171-17 (BM) DONALDSON, DAVID M, BRIGHAM YOUNG UNIVERSITY, 875 WIDTSE BUILDING, PROVO, UTAH. Phagocyte migration and blood bactericidal activity (rabbits).
- R01AI-01178-18 (ALY) RAFFEL, SIDNEY, STANFORD UNIVERSITY, DEPT OF MEDICAL MICROBIOLOGY, STANFORD, CALIF. Mechanisms in the acquired cellular immune response (guinea pigs).
- R01AI-01218-18 (GBN) HERRIOTT, ROOER M, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. The mechanism of bacterial transformation (yeasts).
- R01AI-01251-18 (TMP) HERRER, ARISTIDES, GORGAS MEMORIAL LABORATORY, P O BOX 2016, BALBOA HEIGHTS, CANAL ZONE. The transmission of leishmaniasis in Panama (rats).
- R01AI-01254-18 (ALY) LAWRENCE, H SHERWOOD, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Cellular immune response—Nature of transfer factor (human, mice).
- R01AI-01258-18 (IMB) CHASE, MERRILL W, ROCKEFELLER UNIVERSITY, 1230 YORK AVENUE, NEW YORK, N Y. Mechanisms of delayed-type hypersensitivity (guinea pigs).
- R01AI-01278-18 (MCHB) RINEHART, KENNETH L, JR, UNIVERSITY OF ILLINOIS, DEPT OF CHEMISTRY, URBANA, ILL. Chemistry and biochemistry of certain antibiotics.
- R01AI-01303-18 (IMB) ARDESMAN, CARL E, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N Y. Clinical and immunologic effects of specific immunotherapy (human, guinea pigs).
- R01AI-01339-17 (ALY) CAMPBELL, DAN M, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Chemistry of antigens in hypersensitivity (human, monkeys, rabbits).
- R01AI-01384-15 (TMP) FISHER, FRANK M, JR, RICE UNIVERSITY, DEPARTMENT OF BIOLOGY, HOUSTON, TEX. Chemical basis of parasitism (rats).
- R01AI-01462-18 (GBN) PERKINS, DAVID D, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIS, STANFORD, CALIF. Genetics of neurospora.
- R01AI-01466-18 (BCCB) KAESBERG, PAUL J, UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Structure of biological macromolecules (viruses).
- R01AI-01475-17 (VR) LENNETTE, EDWIN H, STATE OF CALIF DEPT OF HEALTH, 2151 BERKELEY WAY, BERKELEY, CALIF. Immunology and epidemiology of certain viral diseases (human).
- R01AI-01508-18 (TMP) SCHILLER, EVERETT L, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Host-parasite relations of intestinal helminths (rats).
- R01AI-01528-18 (VR) PARROTT, ROBERT M, CHILDREN'S HOSPITAL, 2125 - 13TH STREET, N W, WASHINGTON, D C. New viruses in relation to clinical disease.
- R01AI-01564-17 (BM) ATKINS, BLISHA, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. The pathogenesis of fever (rabbits).
- R01AI-01575-18 (PC) SNELL, ESOMOND E, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, BERKELEY, CALIF. Nutrition and metabolism of microorganisms.
- R01AI-01594-18 (VR) MOULDER, JAMES W, UNIVERSITY OF CHICAGO, 920 EAST 58TH STREET, CHICAGO, ILL. The psittacosis group of organisms.
- R22AI-01636-17 (SSS) YOUNG, GUY P, 303 E CHICAGO AVENUE, CHICAGO, ILL. Acquired immunity in tuberculosis (mice, guinea pigs, monkeys).
- R01AI-01650-17 (GBN) HARTMAN, PHILIP E, JOHNS HOPKINS UNIVERSITY, 34TH & CHARLES STREETS, BALTIMORE, MD. Genetic mechanisms and gene action (bacteria, human).
- R01AI-01659-17 (MBC) WHEAT, ROBERT W, DUKE UNIVERSITY, DEPT OF MICROBIOL & IMMUNOL, DURHAM, N C. Amino polysaccharide biosynthesis (bacteria, rabbits).
- R01AI-01725-17 (VR) GREEN, MAURICE, SAINT LOUIS UNIV SCHOOL OF MED, 3681 PARK AVENUE, SAINT LOUIS, MISSOURI. Biochemistry of animal virus multiplication.
- R01AI-01808-17 (MBC) DOUDOROFF, MICHAEL, UNIVERSITY OF CALIFORNIA, 3573 LIFE SCIENCE BLDG, BERKELEY, CALIF. Taxonomy and phylogeny of pseudomonads.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01AI-01831-17 (ALY) HIRSCH, JAMES G, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Functions of leukocytes (mice, rabbits).
- R01AI-01863-17 (MBC) SADOFF, HAROLD L, MICHIGAN STATE UNIVERSITY, DEPT OF MICROBIOL & PUB HLTH, EAST LANSING, MICH. Cell differentiation in prokaryotic organisms (bacteria).
- R01AI-01876-17 (TMP) MUELLER, JUSTUS F, STATE UNIVERSITY OF NEW YORK, 766 IRVING AVENUE, SYRACUSE, N Y. Sparganosis and cestode biology (rodents).
- R01AI-01992-17 (VR) OXMAN, MICHAEL N, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Viral cytopathogenicity—Mechanisms and applications (human, hamsters).
- R01AI-02011-17 (MBC) GORINI, LUIGI C, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Biosynthesis and excretion of bacterial enzymes.
- R01AI-02031-16 (VR) RANDALL, CHARLES C, UNIV OF MISS MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MISS. Biochemistry of fowlpox replication and hyperplasia.
- R01AI-02032-17 (VR) RANDALL, CHARLES C, UNIVERSITY MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MISS. Nucleic acids of herpesvirus infected cells (hamsters).
- N01AI-02051-10 (***) PIERCE, NATHANIEL F, BALTIMORE, MARYLAND. Service laboratory for NIH cholera research program (human, dogs, rabbits).
- N01AI-02065-09 (***) SENTERFIT, LAURENCE S, NEW YORK, NEW YORK. Clinical trials of *M pneumoniae* vaccine (human, mammals).
- N01AI-02079-04 (***) SCHAEFER, WERNER B, DENVER, COLORADO. Serological identification of atypical mycobacteria.
- N01AI-02091-08 (***) CRAIG, JOHN P, ALBANY, NEW YORK. Establish laboratory for titration of cholera skin toxins (mice).
- R01AI-02095-16 (MCHA) SCHAFFNER, CARL P, RUTGERS-THE STATE UNIVERSITY, INST OF MICROBIOLOGY, NEW BRUNSWICK, N J. Chemistry of polyene antifungal antibiotics.
- N01AI-02101-04 (***) VERWEY, WILLARD F, GALVESTON, TEXAS. Study of cholera toxins in human volunteers.
- N01AI-02126-05 (***) PAUCKER, KURT, PHILADELPHIA, PENNSYLVANIA. Production of anti-interferon sera (human, mice).
- N01AI-02131-05 (***) FRIEDMAN-KIEN, ALVIN E, NEW YORK, NEW YORK. Study of interferon and interferon inducers (rabbits, mice).
- N01AI-02132-06 (***) EASTERDAY, BERNARD C, MADISON, WISCONSIN. Interferon, interferon inducers and antiviral substances (swine).
- N01AI-02169-07 (***) VILCEK, JAN T, NEW YORK, NEW YORK. Methods of producing human interferon.
- N01AI-02228-05 (***) GUBLER, DUANE, HONOLULU, HAWAII. Parasitic, viral and other infectious diseases of Pacific Islands.
- R01AI-02257-16 (BM) GUZE, LUCIEN B, VETERANS ADM-WADSWORTH HOSP CT, WILSHIRE & SAWTELLE BLVD, LOS ANGELES, CALIF. Pathogenesis of experimental pyelonephritis (mice, rats).
- N01AI-02283-04 (***) PETERS, JOHN H, MENLO PARK, CALIFORNIA. Metabolism of dapsone in leprosy patients.
- R01AI-02336-16 (BM) HARDY, PAUL H, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. The biology of treponemes and treponemal infections (rabbits).
- R01AI-02347-15 (TMP) MILLER, JOSEPH M, LOUISIANA STATE UNIV, 1542 TULANE AVE, NEW ORLEANS, LA. Ultrastructure of parasites (mice, guinea pigs).
- R01AI-02353-16 (MBC) CATLIN, B WESLEY, MEDICAL COLL OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Deoxyribonucleic acids and nucleases of bacteria (human).
- R01AI-02430-16 (BM) SPITZNAGEL, JOHN K, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Metabolic aspects of bacterial ecology in host tissue (human, rabbits, mice).
- R01AI-02443-16 (BIO) MOUDRIANAKIS, EVANGELOS N, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STS, BALTIMORE, MD. Oxidative phosphorylation and membrane structure (bacteria).
- R01AI-02457-16 (GBN) COHEN, SIDNEY, MICHAEL REESE HOSPITAL, 2900 S ELLIS AVENUE, CHICAGO, ILL. Methicillin resistance in staphylococci.
- R01AI-02487-16 (TMP) CAMIN, JOSEPH H, DEPARTMENT OF ENTOMOLOGY, UNIVERSITY OF KANSAS, LAWRENCE, KANS. Host selection behavior and ecology of parasitic acari (rabbits).
- R01AI-02566-15 (ALY) MAYER, MANFRED M, JOHNS HOPKINS UNIV SCH OF MED, 725 N WOLFE STREET, BALTIMORE, MD. Chemical and biological studies of complement (mice, guinea pigs).
- R22AI-02631-16 (PTHA) VON LICHTENBERG, FRANZ C, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Schistosomiasis and granuloma formation (mice, rabbits, chimpanzee).
- R01AI-02753-15 (SSS) CRAIG, GEORGE B, JR, UNIVERSITY OF NOTRE DAME, DEPT OF BIOLOGY, NOTRE DAME, IND. Genetics and reproductive biology of *Aedes* mosquitoes.
- R01AI-02830-15 (BM) WYSS, ORVILLE, UNIVERSITY OF TEXAS AT AUSTIN, DEPARTMENT OF MICROBIOLOGY, AUSTIN, TEX. Bacterial cysts and bacterial survival.
- R01AI-02874-15 (BM) BERNHEIMER, ALAN W, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Staphylococcal and streptococcal proteins.
- R01AI-02908-15 (TMP) BSNIER, THOMAS, CORNELL UNIVERSITY, LANGMUIR LABORATORY, ITHACA, N Y. Secretions of arthropods (amphibians, birds, reptiles, rodents).
- R01AI-02951-13 (PC) REEVES, RICHARD E, L S U SCHOOL OF MEDICINE, 1542 TULANE AVE, NEW ORLEANS, LA. Biochemistry of enteric amoeba and related organisms.
- R01AI-02953-14 (VR) HO, MONTO, UNIVERSITY OF PITTSBURGH, GRAD SCH OF PUB HLTH, RM A-427, PITTSBURGH, PA. Cell immunity—Natural inhibitors of viral activity (rabbits, mice).
- R01AI-02984-15 (TMP) GALINDO, PEDRO, GORGAS MEMORIAL LABORATORY, P O BOX 2016, BALBOA HEIGHTS, CANAL ZONE. Ecology of arthropod-borne viruses in Panama (human, animals).
- R01AI-03028-15 (TMP) REEVES, WILLIAM C, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, BERKELEY, CALIF. Ecology and control of arboviruses (animals).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
<p>R01AI-03038-15 (GEN) LURIA, SALVADOR E, MASSACHUSETTS INSTITUTE TECH, DEPARTMENT OF BIOLOGY, CAMBRIDGE, MASS. Control functions of bacteriophages and bacteriocins.</p> <p>R01AI-03046-15 (MBC) WEBER, MORTON M, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Electron transport in microorganisms (bacteria, Protozoa).</p> <p>R01AI-03047-16 (IMB) TALMAGE, DAVID W, UNIV OF COLORADO MEDICAL CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Cell interaction in antibody formation (mice).</p> <p>R01AI-03075-15 (ALY) OVARY, ZOLTAN, NEW YORK UNIV MED CENTER, 550 FIRST AVE, NEW YORK, N Y. Immunological mechanism of anaphylaxis (mice, guinea pigs).</p> <p>R01AI-03076-15 (ALY) THORBECKE, GERTRUIDA J, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Lymphoid cells—Production of antibodies and complement (chickens, rabbits, mice).</p> <p>R01AI-03082-15 (BM) MC GEE, ZELL A, VANDERBILT UNIV SCH OF MED, 21ST AVENUE SOUTH, NASHVILLE, TENN. Host mechanisms operative in chronic infections (human).</p> <p>R01AI-03093-15 (MBC) ROSENBLUM, EUGENE D, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Staphylococcal and staphylophage genetics.</p> <p>R01AI-03170-15 (GEN) HOTCHKISS, ROLLIN D, ROCKEFELLER UNIVERSITY, 66TH STREET AT YORK AVENUE, NEW YORK, N Y. Deoxyribonucleates determining drug resistance (bacteria).</p> <p>R01AI-03204-14 (GEN) STONE, WILLIAM H, UNIVERSITY OF WISCONSIN, LABORATORY OF GENETICS, MADISON, WIS. Biochemical-genetic studies of type-specific antigens (primates, cattle, birds).</p> <p>R01AI-03212-14 (TMP) CBANDALL, CATHERINE A, UNIVERSITY OF FLORIDA, DEPT OF PATHOLOGY, GAINESVILLE, FLA. Immune responsiveness in mice infected with nematodes.</p> <p>R01AI-03231-15 (ALY) SHAMMS, ERNEST S, DEPARTMENT OF MICROBIOLOGY, WASHINGTON UNIVERSITY, ST LOUIS, MO. Structural basis of antibody specificity (mice, rabbits).</p> <p>R01AI-03235-14 (TMP) COUCH, JOHN N, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF BOTANY, CHAPEL HILL, N C. Fungal parasites of mosquitoes.</p> <p>R01AI-03242-13 (GEN) BRINTON, CHARLES C, JR, UNIVERSITY OF PITTSBURGH, DEPT OF BIOPHYSICS & MICROBIO, PITTSBURGH, PA. Genetics, structure, and function of bacterial pili.</p> <p>R01AI-03242-13 0001 (GEN) BRINTON, CHARLES C, JR. Genetics, structure, and function of bacterial pili—Infectious transfer and replication of sex viruses (bacteria, bacteriophage).</p> <p>R01AI-03242-13 0002 (GEN) BRINTON, CHARLES C, JR. Genetics, structure, and function of bacterial pili—Sex pilus properties (bacteria).</p> <p>R01AI-03242-13 0003 (GEN) BRINTON, CHARLES C, JR. Genetics, structure, and function of bacterial pili—Control of infectious drug resistance (bacteria, bacteriophage).</p> <p>R01AI-03242-13 0004 (GEN) BRINTON, CHARLES C, JR. Genetics, structure, and function of bacterial pili—Adsorption, eclipse, and penetration of pilus phages (bacteria).</p> <p>R01AI-03242-13 0005 (GEN) BRINTON, CHARLES C, JR. Genetics, structure, and function of bacterial pili—Detection, assay, and characterization of new epiviruses (bacteria, animals).</p> <p>R01AI-03242-13 0006 (GEN) BRINTON, CHARLES C JR.. Genetics, structure, and function of bacterial pili—PILI structure, isolation, and classification (bacteria, bacteriophage).</p> <p>R01AI-03260-15 (ALY) KARNOVSKY, MANFRED L, 25 SHATTUCK STREET, BOSTON, MASS. Biochemical basis of phagocytosis (children, fungi, rodents).</p> <p>R01AI-03445-15 (VR) TAMM, IGOR, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Virus induced alterations in animal cells.</p> <p>R01AI-03486-14 (GEN) KITZMILLER, JAMES B, UNIVERSITY OF ILLINOIS, 515 MORRILL HALL, URBANA, ILL. Genetics of Anopheline mosquitoes.</p> <p>R01AI-03515-15 (TMP) BUEDING, ERNEST, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE ST, BALTIMORE, MD. Comparative biochemistry of parasitic helminths (mice).</p> <p>R01AI-03536-14 (VR) SUBEL, HANS C, COLLEGE OF MEDICINE, EDEN & BETHESDA AVE, CINCINNATI, OHIO. Biochemistry of virus infections.</p> <p>R01AI-03568-13 (MBC) HAROLD, FRANKLIN M, NATL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Transport and metabolism of inorganic electrolytes (bacteria).</p> <p>R01AI-03638-14 (BM) VOSTI, KENNETH L, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, STANFORD, CALIF. Bacteriology and serology of pyelonephritis (human).</p> <p>R01AI-03771-14 (VR) CROWELL, RICHARD L, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Viral interference in carrier cultures.</p> <p>R01AI-03772-14 (BM) MURPHY, PATRICK A, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Chemistry of leucocytic pyrogen (rabbits).</p> <p>R01AI-03874-14 (VR) OORDON, IRVING, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Measles virus or other virus infections (rabbits, mice, monkeys).</p> <p>R01AI-03899-14 (PC) FLAKS, JOEL G, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF BIOCHEMISTRY, PHILADELPHIA, PA. Metabolism of normal and bacteriophage infected <i>Escherichia coli</i> (human).</p> <p>R01AI-03957-14 (BIO) PIZER, LEWIS I, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF MICROBIOLOGY, PHILADELPHIA, PA. Metabolic control mechanisms (bacteria, mammals, non-human).</p> <p>R01AI-03958-14 (ALY) NOSSAL, GUSTAV, J, WALTER & ELIZA HALL INST, P O ROYAL MELBOURNE HALL, VICTORIA 3050, AUSTRALIA. Mechanism of lymphocyte-antigen interactions (mice).</p> <p>R01AI-03962-14 (ALY) PRESSMAN, DAVID, ROSWELL PARK-MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Structure-chemical nature of specific antibody sites.</p> <p>R01AI-03998-12 (BIO) COHEN, GEORGES N, INSTITUT PASTEUR, 28, RUE DU DR ROUX, 75015 - PARIS, FRANCE. Cellular regulatory mechanisms at the molecular level.</p> <p>R01AI-03998-12 0001 (BIO) COHEN, GEORGES N. Cellular regulatory mechanisms at the molecular level—Mechanism of protein folding.</p>	<p>R01AI-03998-12 0002 (BIO) COHEN, GEORGES N. Cellular regulatory mechanisms at the molecular level—Mechanism of allosteric interactions (bacteria, rabbit).</p> <p>R01AI-03998-12 0003 (BIO) COHEN, GEORGES N. Cellular regulatory mechanisms at the molecular level—Relationship between function and structure of allosteric enzymes.</p> <p>R01AI-03998-12 0004 (BIO) COHEN, GEORGES N. Cellular regulatory mechanisms at the molecular level—Specific bacterial receptor sites in regulation of enzyme synthesis (<i>E coli</i>).</p> <p>R01AI-03998-12 0005 (BIO) COHEN, GEORGES N. Cellular regulatory mechanisms at the molecular level—Membrane excitation and regulation of synaptic properties (electric fish, mice).</p> <p>R01AI-04025-12 (BM) WATSON, BERNARD S, SCHOOL OF VETERINARY MEDICINE, DEPARTMENT OF MICROBIOLOGY, TUSKEGEE INST, ALA. Mechanisms of pathogenicity and immunity in listeriosis (rabbits, mice).</p> <p>R01AI-04043-13 (VR) SIX, ERICH W, UNIVERSITY OF IOWA, DEPT OF MICROBIOLOGY, IOWA CITY, IOWA. Genetic studies of phage-phage interactions.</p> <p>R01AI-04059-13 (SSS) JACKSON, GEORGE G, DEPT OF MEDICINE, P O BOX 6998, CHICAGO, ILL. Viral respiratory diseases.</p> <p>R01AI-04059-13 0001 (SSS) JACKSON, GEORGE C. Viral respiratory diseases—Characterization of viruses causing common respiratory diseases in man.</p> <p>R01AI-04059-13 0002 (SSS) JACKSON, GEORGE C. Viral respiratory diseases—Host response to viral respiratory infection (mice, human).</p> <p>R01AI-04156-13 (MBC) NEILANDS, JOHN B, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, BERKELEY, CALIF. Microbial iron metabolism (fungi, mammals, bacteria).</p> <p>R01AI-04181-13 (MBC) ZABIN, IRVING, UNIV OF CALIFORNIA, CTR FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. An inducible bacterial enzyme (<i>E coli</i>).</p> <p>R01AI-04197-13 (ALY) FITCH, FRANK W, 950 EAST 59TH STREET, CHICAGO, ILL. Antibody formation by lymphoid cells (mice, rats).</p> <p>R01AI-04214-14 (PHRA) MANSOUR, TAG E, STANFORD UNIV SCHOOL OF MED, 300 PASTEUR DRIVE, STANFORD, CALIF. Effects of chemical agents on glycolytic enzymes (fishes, rats).</p> <p>R01AI-04242-13 (TMP) TRAUB, ROBERT, UNIVERSITY OF MARYLAND, 660 W REDWOOD ST, BALTIMORE, MD. Important genera of Siphonaptera (fleas).</p> <p>R01AI-04342-13 (ALY) FOX, EUGENE M, LARABIDA CHILDREN'S HOSPITAL, EAST 65TH ST AT LAKE MICHIGAN, CHICAGO, ILL. Chemistry and immunology of streptococcal antigens (mice, human).</p> <p>R01AI-04379-13 (TMP) BELKIN, JOHN M, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Mosquitoes of Middle America.</p> <p>R01AI-04410-13 (MBC) SMITH, PAUL F, UNIV OF SOUTH DAKOTA, DEPT OF MICROBIOLOGY, VERMILLION, S DAK. Lipids of mycoplasmas.</p> <p>R01AI-04479-13 (BIO) KOERNER, JAMES F, UNIVERSITY OF MINNESOTA, COLLEGE OF MEDICAL SCIENCES, MINNEAPOLIS, MINN. Protein synthesis following bacteriophage infection.</p> <p>R01AI-04509-13 (GEN) KAISER, ARMIN D, STANFORD UNIV SCH OF MED, DEPARTMENT OF BIOCHEMISTRY, STANFORD, CALIF. Biochemical genetic studies of virus multiplication.</p> <p>R01AI-04557-13 (GEN) GOODGAL, SOL H, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF MICROBIOLOGY, PHILADELPHIA, PA. Transformation in hemophilus influenzae (<i>E coli</i>, bacteriophage).</p> <p>R01AI-04572-13 (MBC) LAMPEN, J OLIVER, RUTGERS, ST UNIV OF NEW JERSEY, INSTITUTE OF MICROBIOLOGY, NEW BRUNSWICK, N J. Cell permeability and invertase biosynthesis.</p> <p>R01AI-04577-13 (MBC) GOODER, HARRY, BACTERIOLOGY DEPARTMENT, UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, N C. Transformation in Hemophilus influenzae (<i>E coli</i>, bacteriophage).</p> <p>R01AI-04606-11 (IMB) WILSON, RICHARD E, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Immunological procedures for allograft survival (dogs, rats, monkeys).</p> <p>R01AI-04615-13 (MBC) NEUHAUS, FRANCIS C, NORTHWESTERN UNIVERSITY, 2145 SHERIDAN ROAD, EVANSTON, ILL. Biosynthesis of bacterial cell wall components.</p> <p>R01AI-04646-13 (IMB) PARKER, CHARLES W, WASHINGTON UNIVERSITY SCH MED, 4550 SCOTT AVENUE, ST LOUIS, MO. Antibody response to defined antigenic determinants (human, rodents, rabbits).</p> <p>R01AI-04672-11 (MBC) AKAGI, JAMES M, DEPARTMENT OF MICROBIOLOGY, UNIVERSITY OF KANSAS, LAWRENCE, KANS. Sulfate reducing bacteria.</p> <p>R01AI-04716-11 (IMB) LITT, MORTIMER, BOSTON CITY HOSPITAL, 774 ALBANY STREET, BOSTON, MASS. Mechanisms of eosinophilia (guinea pigs, rabbits).</p> <p>R01AI-04717-13 (TMP) REMINGTON, JACK S, PALO ALTO MEDICAL RES FND MED, 860 BRYANT STREET, PALO ALTO, CALIF. <i>Yersinia</i>—Nature of infection and immune response (human, monkeys).</p> <p>R01AI-04769-13 (MCHB) RINEHART, KENNETH L, JR, UNIVERSITY OF ILLINOIS, DEPARTMENT OF CHEMISTRY, URBANA, ILL. Mass spectra of antibiotics and related compounds.</p> <p>R01AI-04783-12 (BM) LOVETT, JAMES S, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCI, LAFAYETTE, IND. The role of nuclear cap RNA in fungal development.</p> <p>R01AI-04788-12 (MBC) ALLEN, CHARLES F, POMONA COLLEGE, DEPARTMENT OF CHEMISTRY, CLAREMONT, CALIF. Lipids of algae and microorganisms.</p> <p>R01AI-04865-12 (MBC) MORTENSON, LEONARD E, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, WEST LAFAYETTE, IND. Inorganic nitrogen metabolism (bacteria).</p> <p>R01AI-04866-12 (IMB) NORMAN, PHILIP S, GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BOULEVARD, BALTIMORE, MD. A study of allergy to ragweed pollen (human).</p> <p>R01AI-04886-12 (GEN) DRAKE, JOHN W, UNIVERSITY OF ILLINOIS, DEPARTMENT OF MICROBIOLOGY, URBANA, ILL. Virus growth and genetics (bacteriophage).</p> <p>R01AI-04915-19 (MST) RAPER, KENNETH B, UNIVERSITY OF WISCONSIN, DEPARTMENT OF BACTERIOLOGY, MADISON, WISCONSIN. Growth and development in cellular slime molds.</p> <p>R01AI-04919-12 (TMP) BEAVER, PAUL C, TULANE UNIV, 1430 TULANE AVENUE, NEW ORLEANS, LA. Occult helminthic infections (human, carnivores).</p>

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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R01AI-04930-12 (MBC) BATEMAN, DURWARD F, CORNELL UNIVERSITY, DEPT OF PLANT PATHOLOGY, ITHACA, N Y. Biochemistry of infections—Call wall degradation.
 R01AI-04967-12 (ALY) HABER, EDGAR, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Sequence, shape and specificity of antibodies (rabbits).
 R01AI-05006-11 (TMP) CAMPBELL, JAMES W, RICE UNIVERSITY, 6100 S MAIN STREET-DEPT OF BIO, HOUSTON, TEX. Nitrogen metabolism in gastropod molluscs.
 R01AI-05022-11 (BM) BULMER, GLENN S, UNIV OF OKLAHOMA HLTH SCI CTR, 800 N E 13TH ST-P O BOX 26901, OKLAHOMA CITY, OKLA. The pathogenesis of cryptococcosis (mice, guinea pigs).
 R01AI-05044-11 (MBC) SHOCKMAN, GERALD D, TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA. Biosynthesis of bacterial cell walls and membranes.
 R01AI-05090-13 (MBC) PARK, JAMES T, TUFTS UNIV SCH OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Chemistry and biosynthesis of microbial cell walls.
 R01AI-05100-12 (BM) AUSTRIAN, ROBERT, UNIVERSITY OF PENNSYLVANIA, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Respiratory infection and respiratory pathogens of man.
 R01AI-05103-11 (MBC) SCHARCHTER, MOSELIO, TUFTS UNIVERSITY SCHOOL OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Physiological studies of bacterial growth (and viruses, fungi).
 R01AI-05173-10 (MBC) BERNHEIMER, HARRIET P, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Genetic control of capsule production in *Pneumococcus*.
 R01AI-05182-12 (TMP) MANWELL, REGINALD D, SYRACUSE UNIVERSITY, 26A LYMAN HALL, SYRACUSE, N Y. Avian malaria transmission—Lethality of *Plasmodium octamerium*.
 R01AI-05231-10 (ALY) SCHARFF, MATTHEW D, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, NEW YORK. Synthesis of viral and gammaglobulin proteins.
 R01AI-05283-11 (BM) LIU, PINGHUI V, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Hemolysins of *Staphylococci* and *Pseudomonas aeruginosa* (horses).
 R01AI-05336-11 (ALY) MARCIUS, DONALD M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Glycosphingolipid cell membrane antigens (rabbits).
 R01AI-05343-11 (VR) KINGSBURY, DAVID W, ST JUDE CHILDRENS RES HOSP, 332 N LAUDERDALE, P O BOX 318, MEMPHIS, TENN. Multiplication of paramyxoviruses.
 R01AI-05367-12 (GBN) LIEB, MARGARET, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Gene interaction in bacteria and phage.
 R01AI-05370-11 (BM) LARSON, CARL L, UNIVERSITY OF MONTANA, STELLA DUNCAN INSTITUTE, MISSOULA, MONT. Immunological aspects of ribosomes of mycobacteria (rabbits, guinea pigs).
 R01AI-05371-12 (GBN) CLARK, ALVIN J, UNIVERSITY OF CALIFORNIA, DEPT OF MOLECULAR BIOLOGY, BERKELEY, CALIF. The physiology of bacterial conjugation.
 R01AI-05388-12 (PC) POX, MAURICE S, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVE, CAMBRIDGE, MASS. Genetic recombination and microbial DNA synthesis (bacteria, phage).
 R01AI-05520-12 (BIO) PREISS, JACK, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYSICS, DAVIS, CALIF. Regulation of polysaccharide synthesis (plants, bacteria).
 R01AI-05526-12 (PC) INGRAHAM, JOHN L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BACTERIOLOGY, DAVIS, CALIF. Physiology of bacteria at low temperature.
 R01AI-05540-10 (MBC) BARTNICKI-GARCIA, SALOMON, UNIVERSITY OF CALIFORNIA, DEPT OF PLANT PATHOLOGY, RIVERSIDE, CALIF. Biochemistry of morphogenesis in mucor.
 R01AI-05600-12 (SSS) CHOPPIN, PURNELL W, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Myxoviruses—Structure, replication, membrane interactions.
 R01AI-05629-12 (VR) MERRIGAN, THOMAS C, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, STANFORD, CALIF. Chemistry of the interferon molecule (mice).
 R01AI-05637-12 (BIO) BRODIE, ARNOLD F, UNIV OF SOUTHERN CALIFORNIA, DEPT OF BIOCHEMISTRY, LOS ANGELES, CALIF. Mechanisms of oxidative energy generation in bacteria.
 R01AI-05640-11 (ALY) BENEDICT, ALBERT A, UNIVERSITY OF HAWAII, DEPT OF MICROBIOLOGY, HONOLULU, HAWAII. Immunoglobulins and immune responses (birds).
 R01AI-05643-11 (BM) MYRVIK, QUENTIN N, BOWMAN GRAY SCHOOL OF MEDICINE, WINSTON-SALEM, N C. Interaction of alveolar macrophages and mycobacteria (rabbits).
 R01AI-05644-11 (ALY) GOODMAN, JOEL W, UNIVERSITY OF CALIFORNIA, PARNASSUS AND THIRD AVENUE, SAN FRANCISCO, CALIF. Structure of immunologic determinants of proteins (rabbits, birds, rodents).
 R01AI-05649-11 (MCMA) COREY, ELLAS J, HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. Complex molecular synthesis (cockroach, plants).
 R01AI-05681-12 (HBM) SPRINGER, GEORG F, EVANSTON HOSPITAL, 2650 RIDGE AVENUE, EVANSTON, ILL. Structure and tumor-virus relation of blood group MN (human, chickens).
 R01AI-05691-19 (ALY) COONS, ALBERT M, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Antibody production (mice, guinea pigs).
 R01AI-05722-11 (GBN) FRANKEL, FRED R, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Replication of the DNA of T-even bacteriophages.
 R01AI-05730-10 (MBC) PIERINGER, RONALD A, TEMPLE UNIV SCH OF MED, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Bacterial lipid metabolism.
 R01AI-05734-11 (MBC) SALVAGGIO, JOHN E, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Mechanism of immediate and delayed sensitivity (human, rabbits, rodents).
 R01AI-05802-11 (TMP) HOLZ, GEORGE G, JR, UPSTATE MEDICAL CENTER, DEPARTMENT OF MICROBIOLOGY, SYRACUSE, N Y. Lipid studies of trypanosomes (rats).

R01AI-05855-11 (VR) SUSMAN, MILLARD, UNIVERSITY OF WISCONSIN, LABORATORY OF GENETICS, MADISON, WIS. Growth and recombination in bacteriophage.
 R01AI-05875-10 (ALY) COHN, MELVIN, THE SALK INST FOR BIOL STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Antibody synthesis (mice).
 P01AI-05877-11 (IMB) ROSEN, FRED S, CHILDRENS HOSPITAL MEDICAL CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Reactions and metabolism of immune proteins and cells (human, mice).
 R01AI-05882-12 (TMP) WHISLER, HOWARD C, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Biology of autogenous fungi.
 R22AI-05920-12 (VR) SCHLESINGER, R WALTER, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N J. Togavirus replication in insect and vertebrate cells.
 R01AI-06045-11 (BIO) RICHARDSON, CHARLES C, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Structure and synthesis of DNA (E coli, bacteriophage).
 R01AI-06057-11 (ALY) INGRAHAM, JOSEPH S, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Formation of antibodies by individual cells (rabbits).
 R01AI-06112-11 (IMB) WAKSMAN, SYRON H, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. The behavior of cell suspensions in vitro and in vivo (rabbits, sheep).
 R01AI-06153-11 (TMP) ROBERTS, LARRY S, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF ZOOLOGY, AMHERST, MASS. Growth physiology of cestodes (rats).
 R01AI-06197-11 (TMP) LEVINE, NORMAN D, UNIVERSITY OF ILLINOIS, COLLEGE OF VETERINARY MEDICINE, URBANA, ILL. Micrometazoology and ecology of parasitic nematodes (sheep).
 R01AI-06213-09 (BM) KOBAYASHI, GEORGE S, WASHINGTON UNIV SCH OF MED, 600 S KINGSHIGHWAY, ST LOUIS, MO. Immunochemistry of histoplasmin antigens (rabbits).
 R01AI-06246-10 (VR) STEVENS, JACK G, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Latency in herpes virus infection of cells and tissues (mice).
 R01AI-06248-10 (TMP) DICKERMAN, ROBERT W, CORNELL UNIVERSITY MEDICAL COL, 1300 YORK AVENUE, NEW YORK, N Y. North American encephalitis arboviruses (birds).
 R01AI-06262-10 (SSS) SOULSBY, ERNEST J, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Helminth immunity—in vitro and in vivo correlates (guinea pigs, ascaris suum).
 R01AI-06264-10 (VR) YOUNGNER, JULIUS S, UNIVERSITY OF PITTSBURGH, DEPT OF MICROBIOLOGY, PITTSBURGH, PA. Cellular resistance to virus infections.
 R01AI-06276-09 (BM) GORDON, RUTH E, RUTGERS STATE UNIVERSITY, INSTITUTE OF MICROBIOLOGY, NEW BRUNSWICK, N J. Identification of species of three related genera.
 R01AI-06281-10 (ALY) NISONOFF, ALFRED, UNIV OF ILLINOIS COLL OF MED, 1853 WEST POLK ST, CHICAGO, ILL. Structural basis of antibody specificity (rabbits).
 R01AI-06311-09 (BM) TURCK, MARVIN, HARBORVIEW MEDICAL CENTER, 325 NINTH AVENUE, SEATTLE, WASH. Epidemiology of E coli infections (human, rats).
 R01AI-06313-10 (MBC) PRINGOLD, DAVID S, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Antimicrobial agents and the cell surface (bacteria).
 P02AI-06320-10 (IMB) RUSSELL, PAUL S, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Transplantation immunology center.
 P02AI-06320-10 0001 (IMB) HUGGINS, C E. Transplantation immunology center—Advantages of using blood processed by freezing.
 P02AI-06320-10 0002 (IMB) WINN, HENRY J. Transplantation immunology center—Tissue typing (human).
 P02AI-06320-10 0003 (IMB) BARNES, BENJAMIN A. Transplantation immunology center—Azathioprine metabolism study (human).
 P02AI-06320-10 0004 (IMB) BECK, CLYDE H., JR. Transplantation immunology center—Renal physiology on transplant patients (human).
 P02AI-06320-10 0005 (IMB) BURKE, J F. Transplantation immunology center—Burn study (children).
 P02AI-06320-10 0006 (IMB) MOSER, HUOO W. Transplantation immunology center—Treatment of Storage Diseases' with lymphoid and bone marrow infusions (human).
 P02AI-06320-10 0007 (IMB) JOOSTE, S. Transplantation immunology center—Destruction by humoral antibody of rat skin grafted to immunosuppressed mice.
 P02AI-06320-10 0008 (IMB) PLATE, JANET. Transplantation immunology center—Murine lymphoid cell transplantation in vitro.
 P02AI-06320-10 0009 (IMB) FULLER, T. Transplantation immunology center—Biological activities of purified fractions against murine sarcoma.
 P02AI-06320-10 0010 (IMB) GOLDMAN, M. Transplantation immunology center—Splenic influence in tumor immunity (mice).
 P02AI-06320-10 0011 (IMB) MCKENZIE, IAN. Transplantation immunology center—Immunogenetic studies in mice.
 R01AI-06336-10 (VR) KOZLOFF, LLOYD M, UNIV OF COLORADO MED CTR, 4200 E 9TH AVE, DENVER, COLO. Chemistry of phage invasion, structure and assembly.
 R01AI-06345-09 (TMP) FRIEDMAN, STANLEY, UNIVERSITY OF ILLINOIS, 320 MORRILL HALL, URBANA, ILL. Biosynthesis and metabolism of trehalose in Diptera.
 R01AI-06429-09 (VR) YAMAMOTO, NOBUTO, TEMPLE UNIV SCHOOL OF MEDICINE, 3420 N BROAD STREET, PHILADELPHIA, PA. Genetic evolution of bacteriophage.
 R01AI-06448-10 (CBY) BURTON, PAUL R, UNIVERSITY OF KANSAS, DEPT OF PHYSIOLOGY & CELL BIOL, LAWRENCE, KANS. EM studies of microtubular elements and a rickettsia (helminths, mice, crustacea).
 R01AI-06455-10 (IMB) WAKSMAN, SYRON H, YALE UNIVERSITY SCH OF MEDICIN, 333 CEDAR STREET, NEW HAVEN, CONN. Specificity and information transfer in sensitivity (rats, mice).
 R01AI-06457-09 (MBC) WOESE, CARL R, UNIVERSITY OF ILLINOIS, 131 BURRILL HALL, URBANA, ILL. Macromolecular synthesis in procarotes.
 R01AI-06477-13 (PTMA) HENSON, JAMES B, WASHINGTON STATE UNIVERSITY, COLLEGE OF VETERINARY MED, PULLMAN, WASH. Pathomechanism of persistent AD virus infection (ferret, mink).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01AI-06487-10 (BM) WATSON, DENNIS W, UNIVERSITY OF MINNESOTA, DEPARTMENT OF MICROBIOLOGY, MINNEAPOLIS, MINN. Streptococcal infections and host-toxin interactions (rabbits, rodents, monkeys).
- R01AI-06497-10 (MBC) SAZ, ARTHUR K, GEORGETOWN UNIVERSITY, 3900 RESERVOIR RD, N.W. WASHINGTON, D.C. A possible cellular role for penicillinase (bacteria).
- R01AI-06525-10 (MAB) STAMPLING, JACK H, COLUMBUS HOSPITAL, MC LAUGHLIN RESEARCH INSTITUTE, GREAT FALLS, MONT. The histocompatibility antigens of the mouse.
- R01AI-06544-10 (ALY) LENNOX, EDWIN S, SALK INSTITUTE, P O BOX 1809, SAN DIEGO, CALIF. Genetics and regulation of antibody formation (mice).
- R01AI-06552-10 (MAB) JUTKA, JOHN W, MONTANA STATE UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, BOZEMAN, MONT. The pathogenesis of wasting diseases (mice, rabbits and bacteria).
- R01AI-06578-10 (BM) DAVIDSON, PAUL T, NATL JEWISH HOSP, RESEARCH CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Therapy of isoniazid resistant mycobacterioses (human).
- R01AI-06587-10 (TMP) PROVOST, MAURICE W, P O BOX 520, VERO BEACH, FLA. The natural history of mosquitoes.
- R01AI-06589-10 (BM) JOHNSON, RUSSELL C, UNIVERSITY OF MINNESOTA, BOX 196 MAYO, MINNEAPOLIS, MINN. Characterization of pathogenic and saprophytic Leptospirae.
- R01AI-06591-10 (PTHA) PADGETT, GEORGE A, WASHINGTON STATE UNIVERSITY, DEPT OF VETERINARY PATHOLOGY, PULLMAN, WASH. Chediak-Higashi syndrome and disease susceptibility (human, mink, mice).
- R01AI-06610-10 (ALY) WOPSY, LEON, BACTERIOLOGY AND IMMUNOLOGY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Receptor function in lymphocyte differentiation (mice).
- R01AI-06633-09 (TMP) LEIBY, PAUL D, MINOT STATE COLLEGE, DIVISION OF SCIENCE, MINOT, N DAK. Epidemiology of *Echinococcus multilocularis* (carnivores, rodents, human).
- R01AI-06647-08 (MBC) PATTEE, PETER A, IOWA STATE UNIVERSITY, DEPARTMENT OF BACTERIOLOGY, AMES, IOWA. Genetics of biosynthesis in *Staphylococcus aureus* (bacteriophage).
- R01AI-06639-10 (ALY) SINGER, S JONATHAN, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF BIOLOGY, LA JOLLA, CALIF. The structure of antibody molecules (mice, rabbits).
- R01AI-06631-09 (BM) LOW, IOLANDA E, BOSTON CITY HOSP-CHANNING LAB, 774 ALBANY STREET, BOSTON, MASS. *Mycoplasma pneumoniae* (hamsters).
- R01AI-06692-10 (MBC) JEANLOZ, ROGER W, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Chemistry of bacterial cell walls.
- R01AI-06706-07 (SSS) KANTOR, FRED S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cellular immunity in viral diseases.
- R01AI-06706-07 0001 (SSS) KANTOR, FRED S. Cellular immunity in viral diseases—Immunocompetency in granulomatous and neoplastic diseases (human).
- R01AI-06706-07 0002 (SSS) KANTOR, FRED S. Cellular immunity in viral diseases—Anergic model (guinea pigs, human).
- R01AI-06706-07 0003 (SSS) KANTOR, FRED S. Cellular immunity in viral diseases—Cellular immunity in viral diseases (human, dogs).
- R01AI-05710-07 (ALY) SAGE, HARVEY J, DUKE MEDICAL CENTER, DEPARTMENT OF BIOCHEMISTRY, DURHAM, N.C. Specificity of antibodies and phytohemagglutinins (rabbits).
- R01AI-06712-10 (MBC) HASH, JOHN M, VANDERBILT UNIV SCH OF MED, DEPARTMENT OF MICROBIOLOGY, NASHVILLE, TENN. *Staphylococcal* metabolism (fungi).
- R01AI-06720-09 (ALY) KENNY, GEORGE E, UNIVERSITY OF WASHINGTON, SCH OF PUBLIC HLTH & COM MED, SEATTLE, WASH. Antigen composition of *Mycoplasma pneumoniae*.
- R01AI-06814-09 (VR) MORGAN, COUNCILMAN, DEPARTMENT OF MICROBIOLOGY, 630 WEST 168 ST, NEW YORK, N.Y. Electron microscopy of virus-host interactivity.
- R01AI-06827-09 (TMP) KRASSNER, STUART M, UNIVERSITY OF CALIFORNIA, DEPT OF DEVEL & CELL BIOLOGY, IRVINE, CALIF. Metabolism and transformation in hemoflagellates (mice, hamsters).
- R01AI-06844-09 (VR) ERIKSON, RAYMOND L, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Biosynthesis of viral RNAs.
- R01AI-06848-09 (MBC) MORTLOCK, ROBERT P, UNIVERSITY OF MASSACHUSETTS, DEPT OF MICROBIOLOGY, AMHERST, MASS. Evolution of enzymatic activities (bacteria).
- R01AI-06860-09 (ALY) ERLANGER, BERNARD F, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N.Y. Immunochemical studies of nucleic acids.
- R01AI-06862-09 (VR) LEVINTOW, LEON, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Molecular mechanisms of virus replication.
- R01AI-06864-09 (VR) SCHLUEDERBERG, ANN E, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Molecular basis of measles pathogenesis and immunity.
- R01AI-06871-09 (BM) NEIMARK, HAROLD C, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N.Y. Characterization of *Mycoplasma* and bacterial L forms (mice).
- R01AI-06875-08 (BM) SULLER, CLARENCE S, UNIVERSITY OF KANSAS, DEPARTMENT OF MICROBIOLOGY, LAWRENCE, KANS. Growth of T4R11 coliphage on *Escherichia coli* K12.
- R01AI-06888-09 (MBC) LENHARTZ, WILLIAM J, JOHN HOPKINS UNIVERSITY, 725 N WOLFE ST, BALTIMORE, MD. Lipoprotein acid and glycolipid metabolism in bacteria.
- R01AI-06918-09 (MAB) WINN, HENRY J, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Transplantation immunology (rats, mice).
- R01AI-06927-09 (ALY) PRENDERGAST, ROBERT A, JOHN HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Cellular specificity in delayed hypersensitivity (starfish, guinea pigs).
- R01AI-06931-09 (BM) QUIE, PAUL G, UNIVERSITY OF MINNESOTA, BOX 296 MAYO, MINNEAPOLIS, MINN. Host reactions to microorganisms in chronic disease (human).
- R01AI-06964-09 (BM) VOSTI, KENNETH L, STANFORD UNIVERSITY SCHOOL MED, 300 PASTEUR DRIVE, STANFORD, CALIF. Experimental poststreptococcal disease (rats, rabbits).
- R01AI-06966-09 (MBC) MARKOVITZ, ALVIN, UNIVERSITY OF CHICAGO, 939 E 57TH STREET, CHICAGO, ILL. Capsule synthesis, division and radiation sensitivity (bacteria).
- P01AI-07007-09 (SSS) DIXON, FRANK J, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Immunopathologic studies.
- P01AI-07007-09 0001 (SSS) DIXON, FRANK J. Immunopathologic studies—Structure of human GBM.
- P01AI-07007-09 0002 (SSS) FELDMAN, JOSEPH D. Immunopathologic studies—Tumor immunology, cellular immunology.
- P01AI-07007-09 0008 (SSS) MULLER-EBERHARD, HANS J. Immunopathologic studies—Complement and its regulatory mechanisms (human, mammals nonhuman).
- P01AI-07007-09 0004 (SSS) WEIGLE, WILLIAM O. Immunopathologic studies—Induction of immunity, immunological unresponsiveness and autoimmunity.
- P01AI-07007-09 0003 (SSS) COCHRANE, CHARLES G. Immunopathologic studies—Immunopathologic activation of neutrophils and platelets (rabbits, human).
- P01AI-07007-09 0006 (SSS) DIXON, FRANK J. Immunopathologic studies—Search for viruses in immunologic diseases (human, dogs).
- P01AI-07007-09 0011 (SSS) COOPER, NEIL R. Immunopathologic studies—Complement enzyme studies (human, mice).
- P01AI-07007-09 0012 (SSS) DIXON, FRANK J. Immunopathologic studies—C3 receptors on cultured lymphocytes (human).
- P01AI-07007-09 0013 (SSS) DIXON, FRANK J. Immunopathologic studies—Autotumorigenic properties of SLV (mice).
- P01AI-07007-09 0014 (SSS) COCHRANE, CHARLES G. Immunopathologic studies—Immunologic injury in tumor cells (mice).
- P01AI-07007-09 0015 (SSS) REISFELD, RALPH A. Immunopathologic studies—H-2 antigens (mice).
- P01AI-07007-09 0016 (SSS) OLDSTONE, M. B. A. Immunopathologic studies—Autoimmune manifestations (NZ mice, human).
- P01AI-07007-09 0017 (SSS) BOKISCH, V A. Immunopathologic studies—Plasma control mechanism, cell membrane receptors (human, sheep).
- P01AI-07007-09 0018 (SSS) DIXON, FRANK J. Immunopathologic studies—Cultured Raji lymphocytes as model for Dengue infection (human).
- P01AI-07007-09 0019 (SSS) DIXON, FRANK J. Immunopathologic studies—Possible role of sensitized cells in renal disease (rats, cattle).
- R01AI-07012-09 (ALY) COHN, ZANVIL A, ROCKEFELLER UNIVERSITY, 66TH ST & YORK AVENUE, NEW YORK CITY, N.Y. The physiology of macrophages (mice, human, rabbits).
- R01AI-07015-09 (MAB) MACKANESS, GEORGE B, TRUDEAU INSTITUTE, INC, P O BOX 59, SARANAC LAKE, N.Y. Cellular defense mechanisms (mice, rats).
- R01AI-07043-09 (ALY) DRAY, SHELDON, UNIV OF ILLINOIS MED CTR, 835 SOUTH WOLCOTT, CHICAGO, ILL. Serum protein allotypes (rabbits).
- R01AI-07052-13 (BM) GREISMAN, SHELDON E, UNIVERSITY OF MARYLAND, 29 SOUTH GREENE STREET, BALTIMORE, MD. Bacterial endotoxins in human infection (rabbits).
- R22AI-07054-09 (TMP) HEYNEMAN, DONALD, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MED CENTER, SAN FRANCISCO, CALIF. Interaction of larval trematodes within snail vectors.
- R01AI-07057-09 (VR) VILCEK, JAN T, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N.Y. Interferon and resistance to virus infection.
- R01AI-07073-08 (ALY) WEDGWOOD, RALPH J, UNIVERSITY OF WASHINGTON, DEPT OF PEDIATRICS, SEATTLE, WASH. Developmental and genetic defects of immunity (human, rabbits, rats).
- R01AI-07079-09 (SSS) KOSHLAND, MARIAN E, UNIVERSITY OF CALIFORNIA, DEPT OF BACT & IMMUNOLOGY, BERKELEY, CALIF. Mechanism of antibody specificity and biosynthesis (rabbits, human).
- R01AI-07107-07 (VR) DREXLER, HENRY, WAKE FOREST UNIVERSITY, DEPT OF MICROBIOLOGY, WINSTON, SALEM, N.C. Host-controlled variation and transduction with T1.
- R01AI-07118-09 (MAB) BLOOM, BARRY R, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Biochemical basis of delayed hypersensitivity (guinea pigs).
- R01AI-07140-09 (VR) SUMMERS, DONALD F, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N.Y. Translation and replication of RNA containing viruses.
- R01AI-07145-10 (TMP) ROTHSTEIN, MORTON, S U N Y - AT BUFFALO, BIOLOGY DEPT, BUFFALO, N.Y. Biochemistry of nematodes and other invertebrates.
- R01AI-07168-09 (SSS) STOCKER, BRUCE A, STANFORD UNIVERSITY, DEPT OF MEDICAL MICROBIOLOGY, STANFORD, CALIF. Genetics and physiology of *Salmonella typhimurium* (mice, *E. coli*).
- R01AI-07184-09 (ALY) MANDY, WILLIAM J, UNIVERSITY OF TEXAS, DEPARTMENT OF MICROBIOLOGY, AUSTIN, TEX. Antigliobulin antibodies (rabbits).
- R01AI-07194-09 (GEN) HELINSKI, DONALD R, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Structure and genetic control of colicins (bacteria).
- R01AI-07211-06 (MBC) NARROD, STUART A, WOMENS MEDICAL COLLEGE OF PA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Biosynthesis of cell-walls in gram positive organisms.
- R01AI-07241-09 (PC) GABRIEL, OTTMAR, GEORGETOWN UNIVERSITY, 3900 RESERVOIR RD, N.W. WASHINGTON, D.C. Biosynthesis and metabolism of deoxysugars (bacteria).
- R01AI-07255-08 (TMP) SYLVESTER, EDWARD S, UNIVERSITY OF CALIFORNIA, 201 WELLMAN, BERKELEY, CALIF. Propagative circulative virus transmission by insects.
- R01AI-07257-08 (BM) SHANDS, JOSEPH W, JR, UNIV OF FLORIDA, COLL OF MED, DEPT OF IMMUNO & MED MICRO, GAINESVILLE, FLA. Endotoxin and pathogenesis of infection (mice, rats).
- R01AI-07289-09 (ALY) NATHANSON, STANLEY G, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Chemical studies on histocompatibility antigens (mice).
- R01AI-07290-09 (MAB) LICHTENSTEIN, LAWRENCE M, THE GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BLVD, BALTIMORE, MD. In vitro studies of human anaphylaxis.
- R01AI-07328-09 (BM) FRIETER, ROLF G, UNIVERSITY OF MICHIGAN, 6743 MEDICAL SCIENCE BLDG II, ANN ARBOR, MICH. Ecologic control mechanisms of normal enteric flora (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R22AI-07359-08 (TMP) HANSEN, EDER L, CLINICAL PHARMACOLOGY RES INST, 2030 WASTE STREET, BERKELEY, CALIF. Culture of schistosome parasites.
- R01AI-07423-08 (MAB) ELKINS, WILLIAM L, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF PATHOLOGY, PHILADELPHIA, PA. Graft-versus-host reaction as an immune response (rats, guinea pigs).
- R01AI-07434-08 (BA) MORTON, HARRY E, UNIV OF PENNSYLVANIA HOSPITAL, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Involvement of Mycoplasma in some types of arthritis (rabbits).
- R01AI-07437-08 (MAB) GRAFF, RALPH J, JEWISH HOSPITAL OF ST LOUIS, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Immunity and tolerance to transplantation antigens (dogs, mice).
- R01AI-07453-08 (TMP) DE POLIART, GENE R, RUSSELL LABORATORIES, UNIVERSITY OF WISCONSIN, MADISON, WIS. Transmission and control of California-group viruses (hamsters).
- R01AI-07461-08 (BA) HOWARD, DEXTER H, UCLA SCHOOL OF MEDICINE, DEPT OF MED MICROBIOLOGY, LOS ANGELES, CALIF. Interaction of zoopathogenic fungi with phagocytes (mice).
- R01AI-07471-08 (VR) HINSON, JAMES B, WASHINGTON STATE UNIV, COLL OF VET MED, PULLMAN, WASH. Equine infectious anemia (horses).
- R01AI-07477-08 (VR) DALES, SAMUEL, PUBLIC HEALTH RES INSTITUTE, 455 FIRST AVENUE, NEW YORK, N Y. Morphogenesis and transport of nucleoproteins and membranes.
- R01AI-07484-08 (SSS) MEYER, FRANZ D, STATE UNIV OF NEW YORK, 766 IRVING AVE, SYRACUSE, N Y. Lipid metabolism in parasitic helminths.
- R01AI-07488-08 (TMP) HAMMOND, DATUS M, DEPT OF BIOLOGY, U M C 53, UTAH STATE UNIVERSITY, LOGAN, UTAH. Development of mammalian coccidia in cultured cells (cattle, sheep).
- R01AI-07489-08 (TMP) FRENKEL, JACOB K, UNIVERSITY OF KANSAS, DEPT OF PATHOLOGY & ONCOLOGY, KANSAS CITY, KANS. The transmission of toxoplasmosis (cats).
- R01AI-07509-08 (MAB) SCHWARZ, M ROY, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Cellular sequence of immunity (rats, rabbits).
- R01AI-07515-08 (MCHA) BODANSZKY, MIKLOS, CASE WESTERN RESERVE UNIVERSITY, DEPARTMENT OF CHEMISTRY, CLEVELAND, OHIO. Biochemistry of peptide antibiotics.
- R01AI-07538-08 (VR) OLSEN, RONALD M, UNIVERSITY OF MICHIGAN, 5605 MEDICAL SCIENCE II, ANN ARBOR, MICH. Growth at low temperatures-Bacteriophage.
- R01AI-07560-07 (MBC) SEGEL, IRWIN H, DEPT OF BIOCHEM & BIOPHYS, UNIV OF CALIFORNIA, DAVIS, CALIF. Polysaccharide metabolism in fungi.
- R01AI-07587-08 (BA) KENT, THOMAS H, DEPARTMENT OF PATHOLOGY, 133 MEDICAL LABORATORIES, IOWA CITY, IOWA. The role of bacteria in intestinal disease (human, rodents, dogs).
- R01AI-07615-09 (TOX) BERGDOLL, MERLIN S, UNIVERSITY OF WISCONSIN, 2115 HERRICK DRIVE, MADISON, WIS. Purification and chemistry of the enterotoxins (monkeys, rabbits, pigs).
- R22AI-07625-08 (GMA) PIERCE, NATHANIEL F, BALTIMORE CITY HOSPS, 4940 EASTERN AVENUE, BALTIMORE, MD. Mechanisms of enterotoxin-induced diarrheal disease (E coli, V. cholerae, dogs).
- R22AI-07631-08 (BA) PRETER, ROLF G, UNIVERSITY OF MICHIGAN, 6734 MEDICAL SCIENCE II, ANN ARBOR, MICH. Resistance and immunity to cholera (mice).
- R01AI-07632-06 (BA) PILSENFELD, OSCAR, TULANE UNIVERSITY, DELTA PRIMATE RES CTR, COVINGTON, LA. Cholera immunology in primates.
- R01AI-07685-09 (MAB) DAVID, JOHN R, ROBERT B BRIGHAM HOSPITAL, 125 PARKER HILL AVENUE, BOSTON, MASS. Cellular hypersensitivity (human, guinea pigs).
- R01AI-07713-08 (ALY) SMALL, PARKER A, JR, UNIVERSITY OF FLORIDA, DEPT OF IMMUN & MED MICROBIOL, GAINESVILLE, FLA. Secretory immunologic system (ferrets, rats, sharks).
- R01AI-07722-08 (MAB) AUSTEN, K FRANK, ROBERT B BRIGHAM HOSPITAL, PARKER HILL AVENUE, BOSTON, MASS. *in vitro* studies of the mechanism of anaphylaxis (rats, guinea pigs, human).
- R22AI-07724-08 (TMP) LEWERT, ROBERT M, CUMMINGS LIFE SCIENCE CENTER, 920 EAST 58TH STREET, CHICAGO, ILL. Hypersensitivity and resistance in schistosomiasis (human, animals).
- R01AI-07757-08 (SSS) MC DEVITT, HUGH O, DEPT OF MED-DIV OF IMMUNOLOGY, STANFORD UNIVERSITY SCH OF MED, STANFORD, CALIF. Genetic control of the immune response (mice, human).
- R01AI-07768-08 (BA) KLEBANOFF, SEYMOUR J, USPHS HOSPITAL, 1131 14TH AVE SO, SEATTLE, WASH. Antimicrobial effect of peroxidase in leucocytes (human).
- R22AI-07770-07 (TMP) SCHACHER, JOHN F, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, LOS ANGELES, CALIF. Basic studies in lymphatic filariasis (carnivores, rodents, miniature swine).
- R22AI-07772-08 (BA) RICHARDSON, STEPHEN H, BOWMAN GRAY SCHOOL OF MED, DEPARTMENT OF MICROBIOLOGY, WINSTON-SALEM, N C. Biochemistry of *Vibrio cholerae* virulence.
- R22AI-07801-08 (BA) LEVY, LOUIS, PUBLIC HEALTH SERVICE HOSP, SAN FRANCISCO, CALIF. Pharmacology and biology of experimental leprosy (human, mice).
- R01AI-07808-08 (BA) YAMAMOTO, RICHARD, UNIVERSITY OF CALIFORNIA, DEPT OF EPIDEMIOLOGY/PREV MED, DAVIS, CALIF. Venereal and congenital infections with Mycoplasma (turkeys).
- R01AI-07807-08 (TMP) BAKER, RICHARD H, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Genetic studies on the control of arbovirus vectors (rats, mosquitoes).
- R22AI-07809-07 (BA) COLLINS, FRANK M, TRUDEAU INSTITUTE, INC, POST OFFICE BOX 59, SARANAC LAKE, N Y. Role of hypersensitivity in antibacterial immunity (mice).
- R01AI-07825-08 (ALY) MAURER, PAUL M, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Immunological studies with synthetic polypeptides.
- R01AI-07825-08 0001 (ALY) MAURER, PAUL H. Immunological studies with synthetic polypeptides-Antigenic determinants in polymers of amino acids (rabbits, sheep).
- R01AI-07825-08 0002 (ALY) MAURER, PAUL H. Immunological studies with synthetic polypeptides-Mechanism of antigen-antibody reactions.
- R01AI-07825-08 0002 (ALY) MAURER, PAUL M. Immunological studies with synthetic polypeptides-Genetic control of immune response.
- R01AI-07825-08 0004 (ALY) MAURER, PAUL M. Immunological studies with synthetic polypeptides-Use of pneumococcal R36A to enhance immune response.
- R01AI-07826-06 (BA) KAPRAL, FRANK A, OHIO STATE UNIVERSITY, 333 WEST 10TH AVENUE, COLUMBUS, OHIO. Studies on *in vivo* growth of staphylococci (mice, rabbits).
- R01AI-07854-07 (MAB) ROTHBERG, RICHARD M, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Immune responses of newborns to ingested antigens (human, rabbits).
- R01AI-07857-08 (EDC) SCHWABE, CALVIN W, UNIVERSITY OF CALIFORNIA, SCH OF VETERINARY MED, DAVIS, CALIF. Host-parasite relationships in parasitic zoonoses (rodents, dogs).
- R01AI-07875-08 (GEN) SMITH, HAMMILTON O, JOHNS HOPKINS UNIV, 725 N WOLFE ST, BALTIMORE, MD. Mechanisms of prophage integration and recombination (bacteria).
- R01AI-07877-08 (MBC) COLLIER, ROBERT J, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, LOS ANGELES, CALIF. Molecular mechanism of pathogenicity of diphtheria.
- R01AI-07880-07 (TMP) ROZEBOOM, LLOYD E, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Interspecific competition among mosquitoes.
- R22AI-07890-07 (BA) KIRCHHEIMER, WALDEMAR F, U S PUBLIC HEALTH SERV HOSP, CARVILLE, LA. Metabolic studies and culture of Mycobacterium leprae (mice).
- R01AI-07946-08 (GEN) SNIUSTAD, D PETER, UNIVERSITY OF MINNESOTA, COLL OF BIOLOGICAL SCIENCES, ST PAUL, MINN. Phage T4-infected E coli-Heterocatalytic expression.
- R01AI-07970-08 (MAB) HILDEBRAND, WILLIAM M, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Comparative transplantation immunogenetics (mice, hagfish).
- R01AI-08004-07 (TMP) ALBACH, RICHARD A, THE CHICAGO MEDICAL SCHOOL, 2020 WEST OGDEN AVENUE, CHICAGO, ILL. The nature of Entamoeba histolytica.
- R22AI-08022-07 (ET) BUEIDING, ERNEST, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Schistosomiasis research center (mice).
- R22AI-08024-07 (BA) ROMIG, WILLIAM R, DEPARTMENT OF BACTERIOLOGY, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Genetic studies on *Vibrio cholerae*.
- R01AI-08041-08 (BA) HERZBERG, MENDEL, UNIVERSITY OF HAWAII, DEPT OF MICROBIOLOGY, HONOLULU, HAWAII. Immune response to living and killed vaccines (mice).
- R01AI-08054-07 (ALY) STENNER, LISA A, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Variations in antibody affinity (rabbits, bullfrogs).
- R01AI-08057-06 (MBC) VAN ETTEN, JAMES L, UNIVERSITY OF NEBRASKA, DEPT OF PLANT PATHOLOGY, LINCOLN, NEBR. Macromolecular aspects of spore germination (fungi).
- R01AI-08058-07 (TMP) BOGITSCH, BURTON J, VANDERBILT UNIVERSITY, BOX 1733, STATION B, NASHVILLE, TENN. Ultrastructural localization of enzymes in helminths.
- R01AI-08062-06 (MBC) SILVER, SIMON D, WASHINGTON UNIVERSITY, BIOLOGY DEPARTMENT, ST LOUIS, MO. Biochemistry of membrane mutants of E coli.
- R01AI-08074-07 (MAB) STUART, FRANK P, 950 E 59TH STREET, CHICAGO, ILL. Immunological enhancement of renal allografts (rats, rabbits).
- R01AI-08104-07 (MAB) LEVY, DAVID A, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Reaginic antibody in ragweed hay fever (human).
- R01AI-08106-06 (MAB) REED, CHARLES E, UNIV OF WISCONSIN HOSPS, 1300 UNIVERSITY AVE, MADISON, WIS. Autonomic function in asthma (human, rats, mice).
- R01AI-08119-05 (BA) EDWARDS, MERCEDES R, NEW YORK STATE DEPT OF HEALTH, NEW SCOTLAND AVENUE, ALBANY, N Y. Ultrastructure and pathogenesis of infection agents (mice, rabbits, hamsters).
- R01AI-08124-07 (BA) JOHNSON, RUSSELL C, UNIV OF MINNESOTA HOSPITAL, 1008 MAYO, MINNEAPOLIS, MINN. Comparative studies of parasitic spirochetes.
- R01AI-08133-17 (VR) GREENBERG, G ROBERT, UNIVERSITY OF MICHIGAN, 5450 MEDICAL SCIENCE I BLDG, ANN ARBOR, MICH. Phage infection-Deoxyribonucleotide and DNA biosynthesis.
- R01AI-08143-06 (MCHA) TANABE, MASATO, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Carbon-13 labeled substrates in biosynthetic studies (plants).
- R01AI-08161-07 (GEN) BERGER, HILARD, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Replication and recombination in bacterial viruses.
- R22AI-08163-07 (TMP) WARREN, KENNETH S, UNIVERSITY HOSPITALS, WEARN RESEARCH BUILDING, CLEVELAND, OHIO. Immunopathogenesis of schistosomiasis (rodents).
- R01AI-08173-07 (MBA) NATHAN, DAVID G, CHILDRENS HOSP MEDICAL CENTER, 300 LONGWOOD AVENUE, BOSTON, MASS. Leukocyte oxidase activity and susceptibility to infection (human).
- R22AI-08187-07 (BA) HENDRIX, THOMAS R, 902 BLALOCK BLDG JOHN HOPKINS, BALTIMORE, MD, BALTIMORE, MD. Pathogenesis of fluid and electrolyte loss in experimental cholera (rabbits).
- R01AI-08190-07 (BA) MC CLATCHY, J KENNETH, NATL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Modes of action of antimicrobial agents.
- R01AI-00198-06 (ALY) SERRCARZ, ELLI E, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Topography of immune recognition (mice, birds, rabbits).
- R01AI-00200-07 (VR) LENNETTE, EDWIN M, STATE DEPT OF PUBLIC HEALTH, 2151 BERKELEY WAY, BERKELEY, CALIF. Electron microscopic studies of selected viral agents (hamsters).
- R01AI-00202-07 (SBCB) POLIAK, ROBERTO J, JOHNS HOPKINS SCH OF MEDICINE, 725 N WOLFE STREET, BALTIMORE, MD. Structure of immunoglobulins (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R22AI-08209-07 (SSS) GREENOUGH, WILLIAM B, 3D, JOHNS HOPKINS HOSPITAL, BALOCK 1140, BALTIMORE, MD. Cellular responses to cholera toxin (rats, bacteria, protozoa).
- R22AI-08214-07 (BM) PETERS, JOHN M, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Antiprotry drugs in animals and man.
- R01AI-08230-07 (MBC) MATHEWS, CHRISTOPHER K, UNIVERSITY OF ARIZONA, DEPARTMENT OF BIOCHEMISTRY, TUCSON, ARIZ. Enzymology of normal and virus infected bacteria.
- R01AI-08238-08 (SSS) PEPPERKORN, BLAINE R, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF MICROBIOLOGY, HANOVER, N. H. Biochemical studies of arbovirus multiplication.
- R01AI-08240-07 (TMP) STAY, BARBARA, UNIVERSITY OF IOWA, ZOOLOGY, IOWA CITY, IOWA. Accessory reproductive secretions (cockroaches).
- R01AI-08248-07 (BM) CANALE-PAROLA, ERCOLE, UNIVERSITY OF MASSACHUSETTS, DEPT OF MICROBIOLOGY, AMHERST, MASS. Physiology and morphology of anaerobic spirochetes.
- R22AI-08252-05 (BM) SIBLERS, MARGRET I, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Genetic and related interactions in mycobacteria.
- R22AI-08261-06 (TMP) JAFFE, JULIAN J, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Metabolic pathways of schistosomal larval forms (mice, snails, monkeys).
- R01AI-08270-07 (IMB) LICHTENSTEIN, LAWRENCE M, THE GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BLVD, BALTIMORE, MD. An in vitro approach to problems of clinical allergy (human).
- R01AI-08282-06 (BM) FURNESS, GBOFFREY, COLL OF MED & DENT OF N J, 100 BERGEN STREET, NEWARK, N J. Replication of Mycoplasmas and L forms of bacteria (rabbits).
- R01AI-08206-06 (MBC) WALKER, JAMES R, UNIVERSITY OF TEXAS, DEPT OF MICROBIOLOGY, AUSTIN, TEXAS. Regulation of bacterial cell division.
- R01AI-08295-06 (MBC) ANDERSON, JOHN S, UNIVERSITY OF MINNESOTA, DEPARTMENT OF BIOCHEMISTRY, ST PAUL, MINN. Enzymology of bacterial cell membranes.
- R01AI-08325-06 (MBC) TOMASZ, MARIA, HUNTER COLLEGE, 695 PARK AVENUE, NEW YORK, N Y. Basis of the antibiotic action of the mitomycins.
- R01AI-08344-06 (ALY) MICHAEL, JACOB G, UNIVERSITY OF CINCINNATI MED C, EDEN & BETHESDA AVE, CINCINNATI, OHIO. Antigenicity of cellular components of an intact cell (mice, bacteria).
- R01AI-08350-07 (I) LAURENZI, GUSTAVE A, 24 BALDWIN AVENUE, JERSEY CITY, N J. The mechanisms of pulmonary defense against infection.
- R01AI-08362-07 (GEN) SMITH, DAVID H, CHILDRENS HOSPITAL MEDICAL CTR, 300 LONGWOOD AVE, BOSTON, MASS. Approaches to R factor origin and expression (human, bacteria).
- R01AI-08368-07 (VR) PHILLIPS, BRUCE A, UNIVERSITY OF PITTSBURGH, DEPT OF MICROBIOLOGY, PITTSBURGH, PA. Viral-modified membranes in virus maturation.
- R01AI-08368-07 (VR) BALTIMORE, DAVID, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Poliovirus synthesis and translation of viral RNA (rats).
- R22AI-08401-07 (BM) GOREN, MAYER B, NATL JEWISH HOSP & RES CENTER, 3800 EAST COLFAX AVENUE, DENVER, COLO. Surface chemistry of mycobacteria (mice).
- R22AI-08417-06 (BM) FIELDSTEEL, A HOWARD, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Cultivation of M leprae in tissue culture (rats).
- R01AI-08420-07 (VR) STORZ, JOHANNES, COLORADO STATE UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, FORT COLLINS, COLO. Pathogenesis of chlamydial polyarthritidis-enteritis (cattle, sheep).
- R01AI-08426-18 (BM) STARR, MORTIMER P, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, DAVIS, CALIF. Metabolism of phytopathogenic bacteria.
- R01AI-08427-06 (BACA) MAESTRE, MARCOS F, SPACE SCIENCES LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. The physical structure of viruses.
- R01AI-08429-08 (ALY) KRAUSE, RICHARD M, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Bacterial antigens and antibodies (rabbits, human).
- R01AI-08439-07 (IMB) BACH, FRITZ H, UNIV OF WISCONSIN, DEPT OF MEDICAL GENETICS, MADISON, WIS. Genetic factors in transplant survivals (human).
- R01AI-08445-05 (ALY) KING, T P, ROCKEFELLER UNIVERSITY, 66 STREET AND YORK AVENUE, NEW YORK, N Y. Chemical studies on proteins of immunological interest.
- R01AI-08450-07 (BM) BALDWIN, JACK N, UNIVERSITY OF GEORGIA, 831 BIOLOGICAL SCIENCES BLDG, ATHENS, GA. Staphylococcus aureus by transduction.
- R01AI-08477-05 (TMP) JONES, JACK C, DEPARTMENT OF ENTOMOLOGY, UNIVERSITY OF MARYLAND, COLLEGE PARK, MD. Alimentary canal of Aedine mosquitoes.
- R01AI-08499-07 (ALY) NUSSENZWEIG, VICTOR, NEW YORK UNIV SCHOOL OF MED, 550 FIRST AVENUE, NEW YORK, N Y. Cell cooperation in the immune response (rodents, rabbits).
- R01AI-08504-06 (BM) BARTELL, PASQUALE P, 100 BERGEN STREET, NEWARK, N J. Polysaccharides of Pseudomonas aeruginosa (human, mice, rabbits).
- R22AI-08518-06 (BM) PETERSON, JOHNNY W, UNIV OF TEXAS MEDICAL BRANCH, DEPT OF MICROBIOLOGY, GALVESTON, TEX. Antibacterial immunity against Vibrio cholerae (human, rabbits, mice).
- R22AI-08520-07 (TMP) LIE, KLAN J, UNIV OF CALIFORNIA-HOOPER FDN, 3RD AVENUE & PARNASSUS, SAN FRANCISCO, CALIF. Schistosome control by trematode antagonism (human, snails).
- R22AI-08528-07 (BM) SALVIN, SAMUEL B, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Tuberculin hypersensitivity and cellular immunity (human, guinea pigs).
- R22AI-08529-06 (BM) AFFRONTI, LEWIS F, GEORGE WASHINGTON UNIVERSITY, 1339 H STREET, N W, WASHINGTON, D C. Tuberculin-active components of PPD sensitins (guinea pigs, rabbits).
- R01AI-08558-06 (IMB) MONACO, ANTHONY P, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Anti-lymphocyte serum (rabbits, mice, bacteria, viruses).
- R01AI-08572-07 (GEN) BENZINGER, ROLF H, UNIVERSITY OF VIRGINIA, GILMER HALL, CHARLOTTESVILLE, VA. Transfection of E coli and its applications (bacteriophage).
- R01AI-08573-07 (GEN) CAMPBELL, ALLAN M, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Genetics of lambda prophage.
- R01AI-08573-07 0001 (GEN) CAMPBELL, ALLAN M. Genetics of lambda prophage-Terminal duplication phages.
- R01AI-08573-07 0002 (GEN) CAMPBELL, ALLAN M. Genetics of lambda prophage-Regulation of prophage insertion.
- R01AI-08573-07 0003 (GEN) CAMPBELL, ALLAN M. Genetics of lambda prophage-Phage growth on hosts.
- R01AI-08573-07 0004 (GEN) CAMPBELL, ALLAN M. Genetics of lambda prophage-Regulation of the biotin operon.
- R01AI-08573-07 0005 (GEN) CAMPBELL, ALLAN M. Genetics of lambda prophage-Biotin biosynthesis.
- R01AI-08588-04 (BM) DOMER, JUDITH E, 1430 TULANE AVENUE, NEW ORLEANS, LA. Cell wall studies of pathogenic fungi (rabbits).
- R01AI-08595-07 (BIO) SHIPP, WILLIAM S, BROWN UNIVERSITY, BOX G, PROVIDENCE, R I. Biochemical genetics of membrane-associated enzymes (E coli, slime mold).
- R22AI-08608-06 (IMB) BLAZKOVEC, ANDREW A, UNIVERSITY OF WISCONSIN, 470 N CHARTER ST, MADISON, WIS. Cutaneous hypersensitivity (guinea pigs, rabbits).
- R01AI-08614-07 (ALY) RICHARDS, FRANK F, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Polyfunctional antibody combining regions (mice, sheep).
- R01AI-08619-07 (MBC) COHEN, STANLEY N, STANFORD MEDICAL CENTER, DEPARTMENT OF MEDICINE, STANFORD, CALIF. Genetic control of non-chromosomal drug resistance (bacteria).
- R01AI-08632-06 (BM) BONVENTRE, PETER F, UNIVERSITY OF CINCINNATI COLL EDEN & BETHESDA AVE, CINCINNATI, OHIO. Biochemistry and pathophysiology of diphtheria (guinea pigs).
- R22AI-08647-07 (BM) NAVALKAR, RAMCHANDRA G, MEHARRY MEDICAL COLLEGE, DEPT OF MICROBIOLOGY, NASHVILLE, TENN. Immunologic studies on leprosy (human, mice).
- R01AI-08648-06 (VR) HSHUNG, GUEH-DJEN G, 333 CEDAR STREET, NEW HAVEN, CONN. Pathogenesis and epidemiology of simian viruses (primates).
- R01AI-08650-06 (PC) OSBORN, MARY J, UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Biosynthesis of lipopolysaccharides (bacteria).
- R01AI-08651-06 (BM) RIFKIND, DAVID, UNIVERSITY OF ARIZONA, TUCSON, ARIZ. Sex factors in susceptibility to infectious diseases (mice).
- R01AI-08673-06 (TMP) LUMSDEN, RICHARD D, TULANE UNIVERSITY, 6823 ST CHARLES AVENUE, NEW ORLEANS, LA. Cytology of helminth parasite-host relationships (mice).
- R01AI-08687-06 (MCHB) SEMMELHACK, MARTIN F, CORNELL UNIVERSITY, BAKER LABORATORY, ITHACA, N Y. Natural product syntheses.
- R01AI-08697-06 (VR) SILVERSTEIN, SAMUEL C, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. The role of mononuclear leucocytes in viral immunity (human, mice, rabbits).
- R01AI-08710-06 (IMB) OSLER, ABRAHAM G, PUBLIC HEALTH RES INST, INC, 455 FIRST AVENUE, NEW YORK, N Y. Mechanisms of hypersensitivity phenomena (rabbits, human).
- R01AI-08715-02 (BM) ABRAM, DINAH, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Studies on Boeovibrio, a parasite of bacteria.
- R01AI-08722-06 (GEN) CALENDAR, RICHARD, UNIVERSITY OF CALIFORNIA, DEPT OF MOLECULAR BIOLOGY, BERKELEY, CALIF. Molecular studies on phage P2 and its satellite, P4.
- R01AI-08724-18 (AIRC) WANNAMAKER, LEWIS W, UNIVERSITY OF MINNESOTA, BOX 296 MAYO, DEPT OF PED, MINNEAPOLIS, MINN. Biology of streptococci.
- R01AI-08724-18 0001 (AIRC) WANNAMAKER, LEWIS W. Biology of streptococci-Streptococcal phages.
- R01AI-08724-18 0002 (AIRC) CLEARY, PAUL P. Biology of streptococci-Genetic variation of the M antigen in group A streptococci.
- R01AI-08724-18 0008 (AIRC) GRAY, ERNEST D. Biology of streptococci-Nucleases.
- R01AI-08724-18 0004 (AIRC) TAGG, JOHN. Biology of streptococci-Bacteriocins (rats).
- R01AI-08724-18 0005 (AIRC) GBAY, ERNEST D. Biology of streptococci-Nicotinamide adenine dinucleotidase (mice, hamsters).
- R01AI-08724-18 0006 (AIRC) KAPLAN, EDWARD L. Biology of streptococci-Streptolysin O.
- R01AI-08724-18 0007 (AIRC) FERRIERI, PATRICIA. Biology of streptococci-Group A carbohydrates (human).
- R01AI-08724-18 0008 (AIRC) FERRIERI, PATRICIA. Biology of streptococci-Type-specific antibodies (human, hamsters).
- R01AI-08724-18 0009 (AIRC) HILL, HARRY R. Biology of streptococci-Leucocyte functions in streptococcal diseases (human).
- R01AI-08724-18 0010 (AIRC) FERRIERI, PATRICIA. Biology of streptococci-Group B streptococci (mice).
- R01AI-08731-04 (VR) NIEDERMAN, JAMES C, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Pharyngeal excretion of EB virus (human).
- R01AI-08732-05 (ALY) KESSLER, DIETRICH, HAVERFORD COLLEGE, DEPARTMENT OF BIOLOGY, HAVERFORD, PA. Immunological studies of actin-like proteins (rabbits, molds).
- R01AI-00737-06 (MBC) HINSDALL, RONALD D, UNIVERSITY OF WISCONSIN, DEPARTMENT OF BACTERIOLOGY, MADISON, WISC. Chemical and biological nature of bacteriocins (rabbits).
- R01AI-08733-06 (VR) HATTMAN, STANLEY M, UNIVERSITY OF ROCHESTER, DEPARTMENT OF BIOLOGY, ROCHESTER, N Y. Control mechanisms in phage-host cell interactions.
- R01AI-08746-06 (BM) ADLER, JULIUS, UNIVERSITY OF WISCONSIN, DEPT OF BIOCHEMISTRY, MADISON, WIS. Behavior of bacteria-Biochemistry and genetics.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AI-08758-06 (SSS) SCHAEDLER, RUSSELL W, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA. Composition and activities of the gut flora (mice).
- RO1AI-08778-06 (ALY) KLINMAN, NORMAN R, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Clonal analysis of the immune mechanism (mice).
- RO1AI-08795-06 (IMB) DUTTON, RICHARD W, UNIV OF CALIF, SAN DIEGO, P O BOX 109, LA JOLLA, CALIFORNIA. Cellular events in the immune response (mice, rabbits).
- RO1AI-08800-05 (ALY) GOLUB, EDWARD S, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. The induction of immunologic tolerance (mice).
- RO1AI-08814-06 (VR) LODISH, HARVEY F, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Regulation of viral RNA translation.
- RO1AI-08817-06 (ALY) MISHIEL, ROBERT I, UNIVERSITY OF CALIFORNIA, 3573 LIFE SCIENCES BUILDING, BERKELEY, CALIF. Regulation of cells of the immune system (human, animals).
- RO1AI-08821-05 (BM) QUIE, PAUL G, UNIVERSITY OF MINNESOTA, BOX 296 MAYO MEMORIAL, MINNEAPOLIS, MINN. Oponins in phagocytosis (human, rabbits).
- RO1AI-08831-06 (VR) WEBSTER, ROBERT G, ST JUDE CHILDRENS RES HOSP, 332 N LAUDERDALE, P O BOX 318, MEMPHIS, TENN. Origin of pandemic influenza viruses (birds, swine).
- RO1AI-08836-06 (TMP) ROBERTS, DONALD W, BOYCE THOMPSON INSTITUTE, 1086 NORTH BROADWAY, YONKERS, N Y. An undescribed variola-like virus pathogenic to insects (mice, guinea pigs).
- RO1AI-08844-05 (BM) SHODIQUE, IRTAZA M, TUSKEGEE INSTITUTE, SCH OF VETERINARY MEDICINE, TUSKEGEE INSTITUTE, ALA. The endotoxic-like properties of *Listeria monocytogenes* (mice, rabbits).
- R22AI-08846-05 (BM) HANKS, JOHN H, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Cultivation of *Mycobacterium leprae*.
- R22AI-08876-04 (BM) DANNENBERG, ARTHUR M, JR, JOHNS HOPKINS SCH OF HYG & P H, 615 NORTH WOLFE STREET, BALTIMORE, MD. Enzymes and the pathogenesis of tuberculosis (rabbits).
- R22AI-08877-06 (BM) FINKELSTEIN, RICHARD A, UNIV OF TEXAS SW MEDICAL SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Cholera exo-entotoxin and immunity in cholera (mice).
- RO1AI-08897-06 (IMB) AMOS, D BERNARD, DUKE MEDICAL CENTER, BOX 3010, DURHAM, N C. Immunologic study of human HLA and mouse H-2 antigens (rabbits, rodents).
- RO1AI-08899-06 (IMB) PRESSMAN, DAVID, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Immunobiological studies with cultured human lymphocytes.
- RO1AI-08908-06 (PC) GOLDPINE, HOWARD, UNIVERSITY OF PENNSYLVANIA, DEPT OF MICROBIOLOGY, PHILADELPHIA, PA. Structure and function of bacterial lipids.
- RO1AI-08909-06 (MBY) JOKLIK, WOLFGANG K, DUKE UNIVERSITY MEDICAL CENTER, DEPT OF MICROBIOLOGY & IMMUN, DURHAM, N C. Macromolecular synthesis in virus infected cells (chick embryo).
- RO1AI-08917-11 (ALY) HERZENBERG, LEONARD A, STANFORD UNIVERSITY, DEPARTMENT OF GENETICS, STANFORD, CALIF. Genetics of immunoglobulins (mice).
- RO1AI-08920-06 (MCHA) SCOTT, ALASTAIR I, YALE UNIVERSITY, 225 PROSPECT STREET, NEW HAVEN, CONN. Biosynthesis and biogenetic synthesis of polyketides (fungi).
- RO1AI-08937-06 (VR) INSELBURG, JOSEPH W, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF MICROBIOLOGY, HANOVER, N H. Stable virus-cell associations (bacteria).
- RO1AI-08952-06 (IMB) NUSSENZWEIG, RUTH S, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Vaccination with irradiated sporozoites of *Plasmodia* (mice).
- RO1AI-08955-06 (BM) HOEPRICH, PAUL D, UNIVERSITY OF CALIFORNIA, DEPT OF INTERNAL MEDICINE, DAVIS, CALIF. Mechanisms of resistance to antimicrobics (mice).
- RO1AI-08970-06 (TMP) AKAWA, MASAMICHI, CASE WESTERN RESERVE UNIV, 2085 ADELBERT ROAD, CLEVELAND, OHIO. Chemotherapy of malaria.
- RO1AI-08988-06 (TMP) PALCZUK, NICHOLAS C, RUTGERS UNIVERSITY, DEPARTMENT OF ZOOLOGY, NEW BRUNSWICK, N J. Immunological studies of emerythrocytic malaria (turkeys).
- RO1AI-08989-05 (TMP) TRAGER, WILLIAM, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Membrane physiology in intracellular parasitism (protozoa, rabbits, hamster).
- RO1AI-08998-06 (PC) HUTCHISON, CLYDE A, 3D, DEPT OF BACTERIOLOGY & IMMUNO, UNIV OF NORTH CAROLINA, CHAPEL HILL, N C. Phage Phi X-174-Genetics and DNA chemistry (mammals, sea urchins, *Drosophila*).
- RO1AI-09017-06 (MEM) JAMIESON, GRAHAM A, AMERICAN NATIONAL RED CROSS, 9312 OLD GEORGETOWN ROAD, BETHESDA, MD. Membrane glycoproteins of platelets and leukocytes (human).
- RO1AI-09022-06 (VR) KOESTNER, ADALBERT, OHIO STATE UNIVERSITY, 1925 COFFEY ROAD, COLUMBUS, OHIO. Model of parainfectious demyelinating encephalitis (dogs).
- R22AI-09029-06 (PHRA) FIBEL, MICHAEL, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Cholera toxin and intestinal ion transport.
- R22AI-09029-06 0010 (PHRA) FIELD, MICHAEL. Cholera toxin and intestinal ion transport-Mechanism regulating active transport in rabbit ileum.
- R22AI-09029-06 0011 (PHRA) FIELD, MICHAEL. Cholera toxin and intestinal ion transport-Cholera toxin activation of adenylate cyclase in turkey erythrocytes.
- RO1AI-09044-06 (VR) EDGELL, MARSHALL H, UNIVERSITY OF NORTH CAROLINA, DEPT OF BAC & IMMUNOLOGY, CHAPEL HILL, N C. Phi X 174 coat proteins.
- RO1AI-09049-06 (BBCB) DAY, LOREN A, PUB HLTH RES INST, 455 FIRST AVENUE, NEW YORK, N Y. Physical chemistry of viruses and their components.
- RO1AI-09055-06 (MBC) FOULDS, JOHN D, DEPT OF MICROBIOLOGY, UNIV OF CONNECTICUT HEALTH CTR, FARMINGTON, CONN. Bacteriocin effects on cells and membranes.
- RO1AI-09072-06 (IMB) WEISSMAN, IRVING L, STANFORD UNIVERSITY SCH OF MED, 300 PASTEUR DRIVE, STANFORD, CALIF. Role of the thymus in immunological development (mice, rats).
- RO1AI-09077-05 (BM) MC INTYRE, PATRICIA A, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Reticuloendothelial function in health and infection (human).
- RO1AI-09079-06 (GEN) MAAS, WERNER K, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Control of replication of genetic elements in bacteria (*E. coli*).
- RO1AI-09093-06 (MBC) TABER, HARRY W, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Control of bacterial membrane synthesis.
- RO1AI-09095-06 (VR) OSBORN, JUNE E, UNIV OF WISCONSIN MED SCHOOL, 495 MEDICAL SCIENCES BLDG, MADISON, WIS. Host alterations during cytomegalovirus infection (mice).
- RO1AI-09097-06 (BM) BRADLEY, STERLING G, VIRGINIA COMMONWEALTH UNIV, P O BOX 847, RICHMOND, VA. Syncytic recombination in actinomycetes.
- RO1AI-09098-06 (BM) BRADLEY, STERLING G, VIRGINIA COMMONWEALTH UNIV, MCY STATION, P O BOX 847, RICHMOND, VA. Drug resistance in *Mycobacterium tuberculosis*.
- RO1AI-09100-05 (MBC) MOEBRING, THOMAS J, UNIVERSITY OF VERMONT, COLLEGE OF MEDICINE, BURLINGTON, VT. Mammalian cell response to diphtheria toxin (human, mice, chicken).
- RO1AI-09102-06 (TMP) SIMPSON, LARRY, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGY, LOS ANGELES, CALIF. Function of kinetoplast in hemoflagellates.
- RO1AI-09109-06 (ALY) NAKANE, PAUL K, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Enzyme-labeled antibodies for immunohistochemistry (mice, rats).
- RO1AI-09116-06 (PC) NAJJAR, VICTOR A, TUFTS UNIVERSITY SCHOOL OF MED, 136 HARRISON AVE, BOSTON, MASS. Tissue enzymes and plasma proteins (rabbits).
- RO1AI-09117-06 (GEN) RAVIN, ARNOLD W, UNIVERSITY OF CHICAGO, 1103 EAST 57TH STREET, CHICAGO, ILL. Transformations in *Pneumococcus* and *Streptococcus*.
- RO1AI-09118-06 (VR) CRAIGHHEAD, JOHN E, UNIVERSITY OF VERMONT, DEPARTMENT OF PATHOLOGY, BURLINGTON, VT. Pathogenicity of EMC virus (mice, monkey, swine).
- RO1AI-09145-14 (GEN) FUDENBERG, H HUGH, UNIVERSITY OF CALIFORNIA, SECTION OF IMMUNOLOGY, SAN FRANCISCO, CALIF. Genetic mechanisms in immunologic deficiency states (human).
- RO1AI-09152-06 (MBC) STROMINGER, JACK I, HARVARD UNIVERSITY, 16 DIVINITY AVE, CAMBRIDGE, MASS. Biochemistry of mechanisms of action of antibiotics (bacteria).
- RO1AI-09153-09 (ALY) BENNETT, J CLAUDE, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Gamma-globulin in structure (human).
- RO1AI-09158-05 (MBC) CORCORAN, JOHN W, NORTHWESTERN UNIV MED SCHOOL, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Studies on macrolide antibiotics.
- RO1AI-09160-06 (ALY) PINCKARD, ROBERT N, ARIZONA MEDICAL CENTER, DEPARTMENT OF MICROBIOLOGY, TUCSON, ARIZ. Factors controlling humoral antibody synthesis (rabbits).
- RO1AI-09167-06 (BBCA) MOORE, PETER B, YALE UNIVERSITY, BOX 1937, YALE STATION, NEW HAVEN, CONN. Ribosome structure and function (*E. coli*).
- RO1AI-09169-04 (ALY) MC CALL, CHARLES E, WAKE FOREST UNIVERSITY, BOWMAN-GRAY SCH OF MEDICINE, WINSTON-SALEM, N C. Functional and metabolic properties of toxic neutrophils (human).
- RO1AI-09178-05 (BM) HUTCHINGS, BRIAN L, WRIGHT STATE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, DAYTON, OHIO. Tetracycline resistance in *Staphylococcus aureus*.
- RO1AI-09221-06 (VR) BROWN, GORDON C, UNIVERSITY OF MICHIGAN, 109 OBSERVATORY STREET, ANN ARBOR, MICH. Significance of viral FA in various globulin classes (human).
- RO1AI-09232-04 (IMB) MALLEY, ARTHUR, MEDICAL RESEARCH FDN OF OREGON, 6415 S W CANYON COURT, PORTLAND, OREG. Hapten hypersensitization (human-clinical, primates, rodents, plants, rabbits).
- RO1AI-09238-06 (VR) WOOD, WILLIAM B, CALIFORNIA INSTITUTE OF TECH, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Biochemistry and genetic control of virus assembly.
- RO1AI-09239-06 (ALY) LITWIN, STEPHEN D, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Genetic control of allotype expression of human IGG.
- RO1AI-09251-05 (TMP) DUMA, RICHARD J, VIRGINIA COMMONWEALTH UNIV, POST OFFICE BOX 92, RICHMOND, VA. Amebic (*Acanthamoeba*) meningoencephalitis (human, mice).
- RO1AI-09268-06 (IMB) ROWLEY, DONALD A, 950 EAST 59TH STREET, CHICAGO, ILL. Specific suppression of cell-mediated immune responses (rats).
- RO1AI-09273-06 (ALY) EDELMAN, GERALD M, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Structure and activity of proteins (mice).
- RO1AI-09275-05 (IMB) SILVERS, WILLYS K, UNIV OF PENNSYLVANIA, DEPT OF PATHOLOGY, PHILADELPHIA, PA. The lymphocyte and cellular immunity (rats, mice).
- R22AI-09280-06 (IMB) AH, HYONG-SUN, UNIVERSITY OF GEORGIA, COLLEGE OF VETERINARY MEDICINE, ATHENS, GA. Immune mechanisms and immunizing agents in filariasis (birds, dogs).
- RO1AI-09288-05 (MBY) LUBIN, MARTIN, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF MICROBIOLOGY, HANOVER, N H. Subcellular components of bacterial and animal cells (mice).
- RO1AI-09293-14 (IMB) DAUSSET, JEAN, HOSPITAL SAINT LOUIS, 2 PLACE DU DR FOURNIER, PARIS 10 FRANCE. Surface leukocyte antigens and skin grafts (human).
- RO1AI-09297-06 (MBC) VOGEL, HENRY J, COLL OF PHYS & SURG, 630 WEST 168TH STREET, NEW YORK, N Y. Enzyme repression in bacteria.
- RO1AI-09304-06 (VR) KILBOURNE, EDWIN D, MT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVENUE, NEW YORK, N Y. Influenza virus and experimental influenza (mice, rabbits).
- R22AI-09308-04 (MCHA) GENSLE, WALTER J, DEPT OF CHEMISTRY, BOSTON UNIV, 675 COMMONWEALTH AVE, BOSTON, MASS. Synthesis of mycolic acids from tubercle bacilli.
- RO1AI-09312-05 (VR) MARCUS, PHILIP I, MICROBIOLOGY SECT U-44, UNIV OF CONNECTICUT, STORRS, CONN. Host-cell interaction of animal viruses.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01AI-09315-10 (VR) HASLICKORN, ROBERT, 920 EAST 58TH STREET, CUMMINGS LIFE SCIENCE CENTER, CHICAGO, ILL. Protein synthesis in bacteria.
- R01AI-09319-05 (ALY) KINSKY, STEPHEN C, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Effect of antibody-complement on artificial membranes.
- R01AI-09323-05 (TMP) REID, W MALCOLM, UNIVERSITY OF GEORGIA, DEPT OF POULTRY SCIENCE, ATHENS, GA. Immunogenesis in animal parasites in gnotobiotics (chickens).
- R22AI-09330-05 (TMP) NOLLEN, PAUL M, WESTERN ILLINOIS UNIVERSITY, DEPT OF BIOLOGICAL SCIS, MACOMB, ILL. Reproduction in schistosomes.
- R01AI-09337-05 (BM) KOCH, ARTHUR L, INDIANA UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, BLOOMINGTON, IND. Biology of bacteria forced to grow slowly.
- R01AI-09341-04 (ALY) ROSENBERG, LEON T, STANFORD UNIVERSITY, DEPT OF MEDICAL MICROBIOLOGY, STANFORD, CALIF. Immunologic and genetic studies of serum complement (mice).
- R01AI-09352-05 (MBC) TROY, FREDERIC A, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, DAVIS, CALIF. Chemistry and biosynthesis of cell-surface polymers (bacteria).
- R01AI-09354-05 (TMP) UNLEY, JOHN R, ENTOMOLOGICAL RESEARCH CENTER, P O BOX 520, VERO BEACH, FLA. The biology of culicoides.
- R01AI-09363-04 (TMP) VAN HANDEL, EMILE, FLORIDA DIVISION OF HEALTH, P O BOX 520, VERO BEACH, FLA. Arthropod and vertebrate metabolism.
- R01AI-09366-05 (BM) STAMEY, THOMAS A, STANFORD UNIVERSITY, DIVISION OF UROLOGY, STANFORD, CALIF. Urinary infections-Portal of entry (human).
- R01AI-09392-05 (GEN) COX, EDWARD C, PRINCETON UNIVERSITY, DEPT OF BIOCHEMICAL SCIENCES, PRINCETON, N J. E coli mutator genes (also slime molds).
- R01AI-09394-05 (BM) MOON, ROBERT J, MICHIGAN STATE UNIVERSITY, DEPT OF MICROBIO/PUB HEALTH, EAST LANSING, MICH. Pathogenesis of endotoxemia (mice).
- R01AI-09402-05 (MBC) ELBEIN, ALAN D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Biosynthesis and metabolism of complex carbohydrates.
- R01AI-09410-05 (TMP) LEA, ARDEN O, UNIVERSITY OF GEORGIA, DEPT OF ENTOMOLOGY, ATHENS, GA. Endocrinology of mosquito reproduction and behavior.
- R01AI-09416-05 (MBC) BUCHANAN, AUDRIA M, UNIVERSITY OF CALIFORNIA, DEPT OF VET MICROBIOLOGY, DAVIS, CALIF. Modes of action of bactericidal cationic proteins (guinea pigs, rabbits).
- R01AI-09419-11 (MAB) THOMAS, EDWARD D, UNITED STATES PH SERV HOSPITAL, 1131 - 14TH AVENUE SOUTH, SEATTLE, WASH. Irradiation and marrow transplantation in large animals (dogs).
- R01AI-09423-05 (MBC) TOMASZ, ALEXANDER, ROCKEFELLER UNIVERSITY, EAST 66TH ST AND YORK AVE, NEW YORK, N Y. Teichoic acids-Function and mode of replication (bacteria).
- R01AI-09447-05 (VR) WHITE, HAROLD B, JR, UNIV OF MISSISSIPPI MED CENTER, 2500 NORTH STATE STREET, JACKSON, MISS. Lipid biosynthesis induced by poxvirus infection (chick embryo, rats).
- R01AI-09456-05 (PC) YOUNG, ELTON T, 2D, UNIVERSITY OF WASHINGTON, DEPARTMENT OF BIOCHEMISTRY, SEATTLE, WASH. Control of messenger RNA synthesis.
- R01AI-09460-05 (MAB) OBANGER, GALE A, UNIV OF CALIFORNIA, IRVINE, DEPT OF MOLECULAR AND CELL BIO, IRVINE, CALIF. Lymphocyte release cell-toxin (human, mice).
- R01AI-09465-05 (CBY) SCHAECHTER, MOSELIO, TUFTS UNIVERSITY SCH OF MED, 136 HARRISON AVE, BOSTON, MASS. Bacterial cell membrane role in growth and cell division (also yeast).
- R01AI-09447-05 (SSS) WOLIN, MEYER J, DEPT OF DAIRY SCIENCE, UNIVERSITY OF ILLINOIS, URBANA, ILL. Fermentation interactions in microbial ecosystems (rumen bacteria).
- R01AI-09476-06 (VR) PORTER, DAVID D, UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY, LOS ANGELES, CALIF. Slow virus infections-Immunologic and viral studies (mink, mice).
- R01AI-09477-06 (MBC) PATIL, SUBESH S, UNIVERSITY OF HAWAII, 3190 MAILE WAY, HONOLULU, HAWAII. Biochemistry of plant resistance to pseudomonads.
- R01AI-09478-04 (BM) SCHMIDT, LEON M, SOUTHERN RESEARCH INSTITUTE, 2000 NINTH AVENUE SOUTH, BIRMINGHAM, ALA. The biology and therapy of tuberculosis (primates, guinea pigs).
- R01AI-09483-05 (TMP) SAZ, HOWARD J, UNIVERSITY OF NOTRE DAME, COLLEGE OF SCIENCE, NOTRE DAME, IND. Intermediary metabolism of helminths (rodents).
- R01AI-09484-05 (VR) OLDSTONE, MICHAEL B, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Chronic neurologic disorders caused by persistent viral infection (mice).
- R01AI-09492-14 (ALY) KARUSH, FRED, UNIVERSITY OF PENNSYLVANIA, DEPT OF MICROBIOLOGY, PHILADELPHIA, PA. Interactions of immunoglobulins (human, rats, rabbits).
- R01AI-09503-05 (TMP) HARVEY, WILLIAM R, TEMPLE UNIVERSITY, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Physiology of insect diapause and development.
- R01AI-09504-05 (BM) MANDRELL, GERALD L, UNIVERSITY OF VIRGINIA, DEPT OF INTERNAL MED, BOX 251, CHARLOTTESVILLE, VA. Mechanisms of leukocyte bactericidal activity (human).
- R01AI-09527-10 (BM) WANNAMAKER, LEWIS W, UNIVERSITY OF MINNESOTA, DEPT OF PED BOX 296 MAYO, MINNEAPOLIS, MINN. Prospective study of skin infections and nephritis (children).
- R01AI-09529-05 (MAB) DVORAK, HAROLD F, MASSACHUSETTS GENERAL HOSPITAL, DEPARTMENT OF PATHOLOGY, BOSTON, MASS. Pathogenesis of cellular immunity and tolerance (guinea pigs, mice).
- R01AI-09533-04 (ALY) SANDERS, BOB O, UNIVERSITY OF TEXAS, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX. Chicken immunoglobulins-Complexity and evolution.
- R01AI-09551-05 (BIO) CONRAD, H EDWARD, UNIVERSITY OF ILLINOIS, DEPT OF BIOCHEMISTRY, URBANA, ILL. Protozoans-Structure and biological activity (chick embryo).
- R01AI-09556-05 (TMP) OLIVER, JAMES H, JR, GEORGIA SOUTHERN COLLEGE, DEPARTMENT OF BIOLOGY, STATESBORO, GA. Reproduction in ticks and mites.
- R01AI-09558-05 (TMP) SIDDIQUI, WASIM A, UNIVERSITY OF HAWAII, 3675 KILAUEA STREET, HONOLULU, HAWAII. In vitro cultivation of human and simian malarial parasite.
- R01AI-09559-05 (TMP) RICHARDS, A GLENN, UNIVERSITY OF MINNESOTA, DEPT OF ENTOMOLOGY, FISHERIES, ST PAUL, MINN. Ultrastructure studies on mosquitoes and fleas.
- R01AI-09560-06 (TMP) VANDERBERG, JEROME P, NEW YORK UNIV MED CENTER, 550 FIRST AVE, NEW YORK, N Y. Sporozoite of Plasmodium (mosquitoes, rodents).
- R01AI-09565-05 (ALY) MARSH, DAVID G, GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BOULEVARD, BALTIMORE, MD. Immunochemical studies immediate hypersensitivity (human, rabbits, guinea pigs).
- R01AI-09566-03 (BM) BROWNELL, GEORGE H, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA. Genetic and taxonomic studies on the Actinomyceatales.
- R01AI-09571-05 (BM) BIGLEY, NANCY J, CHICAGO MEDICAL SCHOOL, 2020 W OGDEN AVENUE, CHICAGO, ILL 60612. Virulence-host resistance in murine salmonellosis (mice).
- R01AI-09574-04 (GEN) SPURLING, PHILIP F, UNIVERSITY OF NORTH CAROLINA, 503 SWING BUILDING, CHAPEL HILL, N C. Antibiotic inhibitors of the ribosome (E coli).
- R01AI-09576-05 (MAB) STROMINGER, JACK L, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Chemical and serological studies of lymphocyte surfaces (human).
- R01AI-09588-04 (BIO) EMERY, THOMAS F, DEPT OF CHEMISTRY-BIOCHEMISTRY, UTAH STATE UNIVERSITY, LOGAN, UTAH. Microbial metabolism of hydroxylamino compounds (fungi).
- R01AI-09584-05 (BM) MC CABE, WILLIAM R, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Defense mechanisms in gram negative bacteremia (human, mice).
- R01AI-09586-04 (BM) BOATMAN, EDWIN S, UNIVERSITY OF WASHINGTON, DEPT OF PATHOLOGY, SEATTLE, WASH. Ultrastructure and replication of Mycoplasmatataceae (hamsters).
- R01AI-09588-03 (SGYA) GROGAN, JAMES B, UNIVERSITY OF MISS, 2500 NORTH STATE STREET, JACKSON, MISS. Anterior chamber implants and transplantation immunology (rabbits, rats).
- R01AI-09591-04 (TMP) GEORGE, JOHN E, TEXAS TECH UNIVERSITY, DEPT OF BIOLOGY, LUBBOCK, TEX. Ecology and sensory physiology of ticks (birds).
- R01AI-09598-06 (MCHA) HOLLSTERN, ULRICH, UNIVERSITY OF NEW MEXICO, DEPT OF CHEMISTRY, ALBUQUERQUE, N MEX. Biosynthesis of microbial phenazines (microorganisms).
- R01AI-09608-05 (TMP) STEVENS, ANN R, VETERANS ADMINISTRATION HOSP, MEDICAL RESEARCH 151, GAINESVILLE, FLA. Differentiation of neuropathic Acanthamoeba (mice).
- R01AI-09612-03 (BM) DOMINGUE, GERALD J, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Prevention of pyelonephritis (rabbits, monkeys).
- R01AI-09614-05 (BM) SPROUSE, RONALD F, UNIVERSITY OF MISSOURI, 13 CONHAWAY HALL, COLUMBIA, MO. Structural elucidation of histoplasmin HPD dII and dIII (guinea pigs).
- R01AI-09625-05 (TMP) WEINSTEIN, PAUL P, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF BIOLOGY, NOTRE DAME, IND. Development of parasitic nematodes in vitro (mice, rats).
- R01AI-09628-04 (VR) DENNHARDT, FRIEDRICH W, RUS-PRESBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Slow virus infections of human (monkeys).
- R01AI-09644-05 (MBC) NIKAJDO, HIROSHI, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY & IMMUN, BERKELEY, CALIF. Biochemistry of bacterial cell membranes.
- R01AI-09645-05 (ALY) AYOUB, ELIA M, UNIVERSITY OF FLORIDA, DEPARTMENT OF PEDIATRICS, GAINESVILLE, FLA. Pathogenesis of rheumatic fever (human, rabbits).
- R01AI-09647-05 (ALY) PHILLIPS-QUAGLIATA, J M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Antibody mediated cell-cell interactions (rats).
- R01AI-09648-04 (ALY) BECKER, ELMER L, DEPARTMENT OF PATHOLOGY, UNIV OF CONN HEALTH CENTER, FARMINGTON, CONN. Immunologically activated enzyme systems of colls (rats, rabbits).
- R01AI-09649-05 (HBM) GOLDSCHNEIDER, IRVING, UNIVERSITY OF CONNECTICUT, ROUTE 4, FARMINGTON, CONN. Development of immunologically competent lymphocytes (rats).
- R01AI-09651-04 (ALY) WARD, PETER A, DEPARTMENT OF PATHOLOGY, UNIV OF CONN HEALTH CENTER, FARMINGTON, CONN. Leukocyte chemotaxis (human, rodents).
- R01AI-09652-05 (ALY) CEBRA, JOHN J, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Product analysis to assess lymphoid cell potential (rabbits).
- R01AI-09657-14 (ALY) HARRIS, T N, CHILDRENS HOSP OF PHILADELPHIA, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Antibody formation and transplantation immunology (mice).
- R01AI-09683-05 (ALY) MORSE, STEPHEN L, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Lymphocyte response to B pertussis (mice).
- R01AI-09684-05 (ALY) YARON, ARNEM, WEIZMANN INSTITUTE OF SCIENCE, DEPARTMENT OF BIOPHYSICS, REHOVOT, ISRAEL. Synthetic heptapeptidoglycans as model antigens (guinea pigs).
- R01AI-09706-04 (VR) KOPROWSKI, HILARY, THE WISTAR INSTITUTE, 36TH & SPRUCE STREETS, PHILADELPHIA, PA. Rabies and rabies virus antigens (rodents).
- R01AI-09728-05 (MAB) GLEICH, GERALD J, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Functions of eosinophils (guinea pigs, rabbits).
- R01AI-09736-05 (VR) PLUNK, FRED D, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Replication of phi-X-174 bacteriophage.
- R01AI-09738-04 (ALY) LAMM, MICHAEL E, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Secretory immunoglobulin (human, rabbits).
- R01AI-09741-05 (TMP) WONG, MING M, UNIVERSITY OF CALIFORNIA, NATIONAL CTR FOR PRIMATE BIOL, DAVIS, CALIF. Occult filariasis and immunologic responses (dogs, monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01AI-09743-04 (ALY) SEGRE, DIEGO, UNIVERSITY OF ILLINOIS, COLLEGE OF VETERINARY MEDICINE, URBANA, ILL. Antibody plaques in immunologic investigations (birds, mice, rabbits).
- R01AI-09752-25 (ALY) HAUROWITZ, FELIX, INDIANA UNIVERSITY, DEPARTMENT OF CHEMISTRY, BLOOMINGTON, IND. Heterogeneity of immunoglobulins and other proteins (rabbits).
- R01AI-09758-05 (ALY) GREY, HOWARD M., NATIONAL JEWISH HOSPITAL, 3800 EAST COLFAX AVENUE, DENVER, COLO. Structure-function relationships of immunoglobulins (human, ducks, mice, rabbits).
- R01AI-09760-04 (BM) GERHARDT, PHILIPP, MICHIGAN STATE UNIVERSITY, DEPT OF MICROBIO & P.H., EAST LANSING, MICH. Hemodialysis culture of infectious organisms (goats).
- R01AI-09765-05 (TMP) SUMMERS, MAX D., UNIVERSITY OF TEXAS, DEPT OF BOTANY, AUSTIN, TEX. Mechanism of infection of insect viruses (lipidota).
- R01AI-09775-04 (VR) FOX, JOHN P., UNIVERSITY OF WASHINGTON, DEPT OF EPID & INTERNAL HLTH, SEATTLE, WASH. Rhinovirus immunology and epidemiology (human, rabbits).
- R01AI-09779-05 (BM) SCHWALS, MARVIN N., COLL OF MED & DENT OF N.J., 100 BERGEN STREET, NEWARK, N.J. Regulation of morphogenesis in the higher fungi.
- R01AI-09785-04 (VR) ROSS, AVRON H., NASSAU COUNTY MEDICAL CENTER, 2201 HEMPSTEAD TURNPIKE, EAST MEADOW, N.Y. Criteria for use of zoster immune globulin (human).
- R01AI-09801-04 (TMP) KEITH, LLOYD B., UNIV OF WISCONSIN, DEPT OF WILDLIFE ECOLOGY, MADISON, WIS. Snowshoe hare response to arboviral infection.
- R01AI-09807-05 (IMB) BLOOM, BARRY R., ALBERT EINSTEIN COLLEGE OF MED., 1300 MORRIS PARK AVENUE, BRONX, N.Y. Cellular basis of delayed type hypersensitivity (human, rodents).
- R01AI-09810-05 (ALY) KEHOE, J. MICHAEL, MT SINAI SCHOOL OF MEDICINE, 10 EAST 102ND STREET, NEW YORK, N.Y. An immunological study of human gamma globulins (human, rabbits, monkeys).
- R01AI-09813-04 (ALY) WANG, AN-CHUAN, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICINE, SAN FRANCISCO, CALIF. Structure, genetics and evolution of IgA globulins (human, monkeys).
- R01AI-09829-05 (MBC) FULCO, ARMAND J., UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Unsaturated fatty acid biosynthesis in bacilli.
- R01AI-09841-03 (BM) CAMERON, J. A., UNIVERSITY OF CONNECTICUT, BIOLOGICAL SCIENCES GROUP, STORRS, CONN. Modification of lipopolysaccharide by enzymes (bacteria, fungi).
- R01AI-09844-04 (MBC) EISENBERG, ROBERT C., DEPARTMENT OF BIOLOGY, WESTERN MICHIGAN UNIVERSITY, KALAMAZOO, MICH. Molecular organization of bacterial membranes.
- R01AI-09846-05 (MCHB) MITSCHEB, LESTER A., OHIO STATE UNIVERSITY, 500 WEST TWELFTH AVENUE, COLUMBUS, OHIO. New antibiotics isolation, synthesis and evaluation (plants, bacteria, fungi).
- R01AI-09861-08 (MBC) MINDICH, LEONARD B., PUBLIC HEALTH RESEARCH INST., 455 FIRST AVENUE, NEW YORK, N.Y. Cell membrane synthesis in the control of growth (bacteria).
- R01AI-09865-04 (TMP) AGOSIN, MOISES, UNIVERSITY OF GEORGIA, DEPARTMENT OF ZOOLOGY, ATHENS, GA. Biochemistry of the hydatid organisms (rats).
- R01AI-09867-04 (IMB) CROWLE, ALFRED J., UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Mechanisms of immunological enhancement (mice).
- R01AI-09882-03 (VR) DUMAS, LAWRENCE B., NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, EVANSTON, ILL. Role of host cell proteins in synthesis of virus DNA.
- R01AI-09888-04 (TMP) WEINMAN, DAVID, 2D, DEPARTMENT OF MICROBIOLOGY, 310 CEDAR STREET, NEW HAVEN, CONN. The primitive trypanosomiasis of Asia (monkeys, humans).
- R01AI-09897-04 (IMB) PIERCE, CARL W., HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASSACHUSETTS. Cell interactions in immune response in vitro (mice).
- R01AI-09898-04 (MBC) LAWRENCE, PAUL J., UNIVERSITY OF UTAH, RM IC 218, MEDICAL CENTER, SALT LAKE CITY, UTAH. Penicillins—Chemistry and mode of action (bacteria).
- R01AI-09902-04 (TOX) AGOSIN, MOISES, DEPARTMENT OF ZOOLOGY, UNIVERSITY OF GEORGIA, ATHENS, GA. Microsomal mixed-function oxidases (flies).
- R01AI-00911-03 (TMP) ISSEROFF, HADAR, SUNY COLLEGE AT BUFFALO, 1300 ELMWOOD AVENUE, BUFFALO, N.Y. Proline in fascioliasis (rats, rabbits).
- R01AI-09914-04 (TMP) BROOKS, MARION A., UNIVERSITY OF MINNESOTA, DEPARTMENT OF ENTOMOLOGY, ST PAUL, MINN. Symbiotes as models of vector parasitism (arthropods).
- R01AI-09920-04 (ALY) BENACERRAF, BARUJ, HARVARD MEDICAL SCHOOL, 25 SHUTTUCK STREET, BOSTON, MASS. Immunological responsiveness (mice, guinea pigs).
- R01AI-09943-04 (GEN) PARMA, DAVID H., UNIVERSITY OF UTAH, DEPT OF BIOLOGY, SALT LAKE CITY, UTAH. Genetics of structurally altered phage T4 genomes (bacteria).
- R01AI-09957-04 (BM) BLATTES, CLARK M., UNIV OF TENNESSEE MED UNITS, 800 MADISON, MEMPHIS, TENN. Ontogeny of endotoxin pyrogenicity (guinea pigs).
- R22AI-09962-03 (BM) KUBICA, GEORGE P., TRUDEAU INSTITUTE, INC, P O BOX 59, SARANAC LAKE, N.Y. Diagnostic protoplasmic sensitins from mycobacteria (rodents, rabbits).
- R01AI-09972-04 (TMP) PASCHKE, JOHN D., PURDUE UNIVERSITY, DEPARTMENT OF ENTOMOLOGY, LAFAYETTE, INDIANA. Viral pathogens (mosquitoes).
- R01AI-09988-04 (GEN) CHAI, CHIEN K., JACKSON LABORATORY, BAR HARBOR, MAINE. Histocompatibility studies in inbred rabbits.
- R01AI-10009-03 (TMP) ZIMMERMAN, WILLIAM J., IOWA STATE UNIVERSITY, VETERINARY MEDICAL RES INST, AMES, IOWA. Epidemiology of parasite infection (ungulates, dogs, chickens).
- R01AI-10010-04 (TMP) ROBERTS, DONALD W., BOYCE THOMPSON INSTITUTE, 1086 NORTH BROADWAY, YONKERS, N.Y. Potential of *Coolomonycyces* for controlling mosquitoes.
- R01AI-10019-04 (GEN) GUSSIN, GARY N., UNIVERSITY OF IOWA, DEPT OF ZOOLOGY, IOWA CITY, IOWA. Rex, a lambda gene not subject to cl repression (bacteriophage).
- R01AI-10023-04 (IMB) LIPSMEYER, ELEANOR A., UNIVERSITY OF ARKANSAS, 4301 W MARKHAM, LITTLE ROCK, ARK. Effect of poly I:C on delayed hypersensitivity (human, guinea pigs).
- R22AI-10034-04 (PTHB) SKINSNIES, OLAF K., UNIVERSITY OF HAWAII, 3675 KILAUEA AVE, HONOLULU, HAWAII. Immunopathologic model for granulomatous diseases (human, mice, rats).
- R01AI-10035-04 (SGYA) PITTS, CHARLES T., UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S.C. Lymphocyte depletion for immunosuppression (cattle, sheep).
- R07AI-10048-14 (ICC) BANG, FREDERIK B., JOHNS HOPKINS UNIVERSITY, 615 N WOLFE ST, BALTIMORE, MD. International center for medical research.
- R07AI-10048-14 0001 (ICC) BANG, FREDERIK B. International center for medical research—Respiratory virus research and hypothesis of epidemiology (human).
- R07AI-10048-14 0002 (ICC) BANG, FREDERIK B. International center for medical research—Immune responses in malnutrition (human).
- R07AI-10048-14 0004 (ICC) BANG, FREDERIK B. International center for medical research—Redent ecology in relation to energy sources (rats).
- R07AI-10048-14 0005 (ICC) BANG, FREDERIK B. International center for medical research—Ecological studies within Bustoes of Calcutta (mammals, fish, birds).
- R07AI-10048-14 0006 (ICC) BANG, FREDERIK B. International center for medical research—Dynamics of filariasis transmission.
- R07AI-10048-14 0007 (ICC) BANG, FREDERIK B. International center for medical research—Hematologic problems (human).
- R07AI-10048-14 0008 (ICC) BANG, FREDERIK B. International center for medical research—Epidemiology and toxicogenicity of enterotoxic E. coli.
- R07AI-10049-15 (ICC) CLYDE, DAVID F., UNIVERSITY OF MARYLAND, 660 W REDWOOD ST, BALTIMORE, MD. International center for medical research.
- R07AI-10049-15 0001 (ICC) BAKER R H. International center for medical research—Arbovirus vector genetic control (mosquitoes).
- R07AI-10049-15 0002 (ICC) WISSEMAN C L. International center for medical research—Arboviruses in the Changa Manga forest (insects, mammals, amphibians, human).
- R07AI-10049-15 0008 (ICC) WISSEMAN C L. International center for medical research—Ecology and vectors of rickettsial infection in West Pakistan (tick, mice, human).
- R07AI-10049-15 0004 (ICC) AZIZ M A. International center for medical research—Anemia and bleeding disorders in West Pakistan (human).
- R07AI-10049-15 0006 (ICC) BARRY C. International center for medical research—Epidemiology and vector patterns in East Pakistan (human, mosquitoes, helminths).
- R07AI-10049-15 0006 (ICC) AZIZ M A. International center for medical research—Viral hepatitis sequelae in Pakistani soldiers (human).
- R07AI-10049-15 0007 (ICC) MIDDLEBROOK G. International center for medical research—Mycobacterial immunology in Pakistan (human).
- R07AI-10049-15 0008 (ICC) ANTHONY R L. International center for medical research—Smallpox epidemiology and immunology in the Punjab (human).
- R07AI-10049-15 0009 (ICC) BARNETT, M C. International center for medical research—Malaria in West Pakistan—Biological control of vectors in urban areas.
- R07AI-10049-15 0010 (ICC) CLYDE, DAVID F. International center for medical research—Genetics and vectors of malaria in Brazil (mosquitoes).
- R07AI-10050-14 (ICC) BEAVER, PAUL C., TULANE UNIVERSITY, 1430 TULANE AVE, NEW ORLEANS, LA. International center for medical research.
- R07AI-10050-14 0001 (ICC) BEAVER, PAUL C. International center for medical research—Nutrition and metabolism (human).
- R07AI-10050-14 0002 (ICC) BEAVER, PAUL C. International center for medical research—Parasites and vectors (human, insects, protozoa, Ascaris).
- R07AI-10050-14 0005 (ICC) BEAVER, PAUL C. International center for medical research—Infectious diseases and epidemiology (bacteria, fungi, human).
- R07AI-10050-14 0004 (ICC) BEAVER, PAUL C. International center for medical research—Social and behavioral sciences (human).
- R07AI-10050-14 0005 (ICC) BEAVER, PAUL C. International center for medical research—Environmental health and other studies (human, fish, mammals).
- R07AI-10051-14 (ICC) RUDNICK, ALBERT, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MED CTR, SAN FRANCISCO, CALIF. International center for medical research and training (human, animals).
- R01AI-10056-04 (SSS) LARK, KARL G., DEPT OF BIOLOGY, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Cellular regulation of growth and DNA synthesis (E. coli, wheat).
- R01AI-10060-04 (ALY) ISHIZAKA, KIMISHIGE, GOOD SAMARITAN HOSPITAL, 5601 LÖCH RAVEN BLVD, BALTIMORE, MD. Gamma globulin structure and hypersensitivity (human, rodents, rabbits, monkeys).
- R22AI-10060-04 (BM) FINKELSTEIN, RICHARD A., UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. *Escherichia coli* diarrheagenic enterotoxin (mice, rabbits).
- R01AI-10075-05 (BM) SWORD, CHRISTOPHER P., INDIANA STATE UNIVERSITY, DEPARTMENT OF LIFE SCIENCES, TERRE HAUTE, IND. Host parasite interaction of *Listeria monocytogenes* (mice).
- R01AI-10076-07 (MBC) DAVIES, JULIAN E., UNIVERSITY OF WISCONSIN, DEPARTMENT OF BIOCHEMISTRY, MADISON, WIS. Mechanisms of antibiotic resistance in microorganisms (fungi, bacteria, viruses).
- R01AI-10060-04 (IMB) WOODRUFF, JUDITH J., S U N Y - DOWNSTATE MEDICAL CT, 450 CLARKSON AVENUE, BROOKLYN, N.Y. Immunology and physiology of recirculating lymphocytes (mice, rats).
- R01AI-10005-10 (ALY) STOLLERMAN, GENE H., 951 COURT AVENUE, MEMPHIS, TENN. Streptococcal immunity, rheumatic fever and nephritis (human).
- R01AI-10087-05 (BM) BERRY, L JOE, UNIVERSITY OF TEXAS, AUSTIN, TEX. Effect of endotoxin on induction of liver enzymes (mice, rabbits).
- R01AI-10088-04 (IMB) WALFORD, ROY L., UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Transplantation immunogenetics and cancer (human, mice).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01AI-10091-04 (MAB) UNANUE, EMM R, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Studies on antigenic stimulation (mice, rats).
- R22AI-10094-04 (BM) BULLOCK, WARD E, UNIVERSITY OF KENTUCKY, ROSE STREET, LEXINGTON, KY. In vitro study of delayed hypersensitivity in leprosy (human, rats).
- R01AI-10095-03 (SGYA) NANCE, FRANCIS C, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Surgical pathophysiology in gnotobiotic animals (rats, dogs).
- R01AI-10097-04 (VR) SCHULZE, IRENE T, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Structure of myxoviruses and encephalomyocarditis virus.
- R01AI-10098-04 (PC) HAGEN, PER-OTTO F, DUKE UNIVERSITY MEDICAL CENTER, P O BOX 3473, DURHAM, N C. Lipid biosynthesis in *Clostridium butyricum*.
- R01AI-10100-04 (SSS) HUANG, ALICE S, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Replication of vesicular stomatitis virus (Herpes, Sindbis viruses).
- R01AI-10184-04 (MBC) KONISKY, JORDAN, UNIVERSITY OF ILLINOIS, 131 BURRILL HALL, URBANA, ILL. Mode of action of l-colicins on *Escherichia coli*.
- R01AI-10107-03 (SSS) JUNI, ELIJOT, UNIVERSITY OF MICHIGAN, 5614 MED SCI BUILDING II, ANN ARBOR, MICH. Metabolism, physiology and evolution of *Acinetobacter*.
- R01AI-10100-04 (BM) BRAUDE, ABRAHAM I, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Lethal bacteremia (human, rabbits).
- R01AI-10109-04 (BM) RAFTER, GALE W, WEST VIRGINIA UNIVERSITY, DEPT OF BIOCHEMISTRY, MORGANTOWN, W VA. Mechanism of pyrogen elaboration in blood leukocytes (rabbits).
- R01AI-10113-03 (ALY) FRIEDMAN, HERMAN, ALBERT EINSTEIN MED CTR, YORK AND TABOR ROADS, PHILADELPHIA, PA. Early cellular and molecular events during immunogenesis (mice).
- R01AI-10114-03 (ALY) ROMMEL, FREDERICK A, UNIV OF TEXAS HEALTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Mechanisms of complement mediated membrane damage.
- R01AI-10115-04 (ALY) CATHOU, RENATA E, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Conformation and structural dynamics of antibodies (rabbits).
- R01AI-10121-04 (PTHA) GROVES, DAVID L, BOWMAN GRAY SCHOOL OF MEDICINE, DEPT OF MICROBIOLOGY, WINSTON-SALEM, N C. Cellular interactions in the antibody response (mice, sheep).
- R01AI-10129-04 (TMP) BLOCH, KURT J, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Immunobiology of parasitism (rats).
- R01AI-10132-04 (VR) ZWERNIK, HENDRIK J, DUKE UNIVERSITY, POST OFFICE BOX 3020, DURHAM, N C. Replication and encapsidation of reovirus RNA.
- R01AI-10134-03 (PTHB) HARD, RICHARD C, JR, VIRGINIA COMMONWEALTH UNIV, DEPARTMENT OF PATHOLOGY BOX 81, RICHMOND, VA. Pathology and pathogenesis of host versus graft disease (mice).
- R01AI-10138-03 (ALY) BELL, CLARA G, UNIVERSITY OF ILLINOIS MED CTR, P O BOX 6998, CHICAGO, ILL. Foreign RNA for antibody synthesis by lymphoid cells (rabbits).
- R01AI-10141-04 (MBC) YOUNG, FRANK E, UNIV OF ROCHESTER MED CENTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Physiologic-genetic regulation of cell wall biosynthesis (bacteria, bacteriophage).
- R01AI-10142-04 (MBC) RICHARDSON, JOHN P, INDIANA UNIVERSITY, DEPT OF CHEMISTRY, BOX 47, BLOOMINGTON, IND. Factors that control RNA transcription (bacteria, bacteriophage).
- R01AI-10148-04 (ALY) FANGER, MICHAEL W, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Lymphocyte subpopulations and transformation (human, rabbits).
- R01AI-10153-04 (MAB) YUNIS, EDMOND J, UNIVERSITY OF MINNESOTA HOSP, BOX 198 MAYO, MINNEAPOLIS, MINN. Immunological aspects of aging (mice).
- R01AI-10155-03 (TMP) WARD, PETER A, DEPARTMENT OF PATHOLOGY, UNIVERSITY OF CONNECTICUT HLTH, FARMINGTON CONN.. Immunopathologic complications of protozoan infections (rats).
- R01AI-10158-03 (MAB) HOWE, MICHAEL L, DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N Y. In vitro isogenic lymphocyte interaction (mice, guinea pigs).
- R01AI-10164-04 (VR) WINKLER, HERBERT H, UNIVERSITY OF VIRGINIA, JORDAN MED EDUCATION BLDG, CHARLOTTESVILLE, VA. Permeability of the epidemic typhus rickettsia.
- R01AI-10172-01 (VR) WOODRUFF, JACK F, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Immunobiology of virus-lymphocyte interactions (mice).
- R01AI-10174-04 (TMP) BERGER, ROBERT S, AUBURN UNIVERSITY, DEPT OF ZOOLOGY-ENTOMOLOGY, AUBURN, ALA. Chemistry of vector pheromones (ticks, rabbits).
- R01AI-10188-04 (MAB) REISFELD, RALPH A, SCRIPPS CLINIC & RESEARCH FDM, 476 PROSPECT STREET, LA JOLLA, CALIF. Biologic properties and chemical structure of HLA antigens.
- R01AI-10181-04 (MAB) SOLOMON, WILLIAM R, UNIVERSITY OF MICHIGAN, DEPT OF INTERNAL MEDICINE, ANN ARBOR, MICH. Allergenicity of airborne particulates (human).
- R01AI-10186-04 (MBC) CROMAN, JOHN E, JR, YALE UNIVERSITY, DEPT OF MOLEC BIOPHY & BIOCHEM, NEW HAVEN, CONN. Regulation of lipid metabolism-genetic approaches (bacteria, viruses).
- R01AI-10187-04 (MCHA) NAKANISHI, KOJI, COLUMBIA UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW YORK, N Y. Studies on antihormones (insects, plants).
- R01AI-10188-04 (MCHA) LALONDE, ROBERT T, S U N Y - COLLEGE OF FORESTRY, DEPARTMENT OF CHEMISTRY, SYRACUSE, N Y. Properties of sulfur alkaloids (human).
- R01AI-10193-03 (VR) SCHACHTER, JULIUS, UNIVERSITY OF CALIFORNIA, PARNASSUS & THIRD AVE, SAN FRANCISCO, CALIF. Eye disease and venereally transmitted chlamydial (human).
- R01AI-10201-04 (GEN) PRATT, DAVID, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, DAVIS, CALIF. Genetic analysis of the small bacterial virus M13 (also bacteriophage ST-1).
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01AI-10214-04 (PC) MOYED, HARRIS S, UNIVERSITY OF CALIFORNIA, COLLEGE OF MEDICINE, IRVINE, CALIF. Regulatory mechanisms, chemotherapeutic targets (plants, bacteria, cell culture).
- R01AI-10216-04 (VR) HORWITZ, MARSHALL S, ALBERT EINSTEIN COLL OF MED, DEPT OF CELL BIOLOGY, BRONX, N Y. Studies of cell and virus protein.
- R01AI-10217-04 (VR) GLASGOW, LOWELL A, UNIVERSITY OF UTAH COLL OF MED, DEPT OF MICROBIOLOGY, SALT LAKE CITY, UTAH. Interferon and host resistance to viral infection (mice).
- R01AI-10220-04 (ALY) NISONOFF, ALFRED, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. Structure and biosynthesis of antibodies (mice).
- R01AI-10225-03 (ALY) BENJAMIN, DAVID C, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, CHARLOTTESVILLE, VA. Cellular and structural basis of immune tolerance (rabbits).
- R01AI-10286-04 (BM) APICELLA, MICHAEL A, S U N Y - AT BUFFALO, 462 GRIDER ST, BB ANNEX RM133, BUFFALO, N Y. Classification of *N meningitidis* group C subgroups (rabbits).
- R01AI-10238-04 (SSS) CENTER, MELVIN S, KANSAS STATE UNIVERSITY, DIVISION OF BIOLOGY, MANHATTAN, KANS. DNA metabolism in virus infected bacteria (T7 phage, E coli).
- R01AI-10241-04 (TMP) WEISMAN, ROBERT A, THE UNIV OF TEXAS HLTH CTNR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Encystment in free-living, invasive amoebae.
- R01AI-10242-14 (MAB) ROWLEY, DONALD A, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Pathology of inflammation and immunity (sheep, rats).
- R01AI-10243-04 (SSS) STEITZ, JOAN A, YALE UNIVERSITY, DEPT/MOLEC BIOPHYS & BIOCHEM, NEW HAVEN, CONN. Control of gene expression in viral infection.
- R01AI-10245-03 (TMP) PATTON, CURTIS L, YALE UNIVERSITY SCH OF MED, DEPT OF MICROBIOLOGY, NEW HAVEN, CONN. Host interactions with membrane transport in trypanosomes (mice, guinea pigs).
- R22AI-10250-04 (TMP) ASH, LAWRENCE R, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Laboratory models in filariasis (birds, monkeys).
- R01AI-10252-04 (VR) WENNER, HERBERT A, CHILDREN'S MERCY HOSPITAL, 24TH AT GILLHAM ROAD, KANSAS CITY, MO. Varicella-Epidemiology and pathogenesis (human, monkeys).
- R01AI-10257-04 (GEN) MC CLAIN, WILLIAM H, DEPT OF BACTERIOLOGY, UNIVERSITY OF WISCONSIN, MADISON, WIS. Genetic analysis of tRNA coded by phage T4.
- R01AI-10263-01 (MO) HARRIS, BEN G, DEPT OF BIOLOGICAL SCIENCES, NORTH TEXAS STATE UNIVERSITY, DENTON, TEX. Structure and physiological function of male enzymes (helminths).
- R01AI-10265-03 (ALY) SHIER, W THOMAS, SALK INSTITUTE, P O BOX 1809, SAN DIEGO, CALIF. Synthetic tumor antigens (rabbits, rats, mice).
- R22AI-10269-03 (TMP) ORIHIEL, THOMAS C, DELTA REGIONAL PRIMATE RES CTR, COVINGTON, LA. Filariae of man in primates.
- R22AI-10270-02 (TMP) KRUPA, PAUL L, CITY UNIVERSITY OF NEW YORK, CONVENT AVENUE AT 138TH ST, NEW YORK, N Y. Biogenesis of membrane activities in parasite larvae (snails, mice, hamsters).
- R22AI-10271-04 (TMP) BASCH, PAUL F, STANFORD UNIVERSITY, DEPT OF CMNTY & PREVENT MED, STANFORD, CALIF. Vector-parasite interactions-Analysis in vitro (snails).
- R01AI-10274-03 (TMP) SPIELMAN, ANDREW, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVE, BOSTON, MASS. Effects of hormone-mimetic compounds on culicids.
- R01AI-10277-03 (ALY) MILLER, FREDERICK, STATE UNIVERSITY OF NEW YORK, HEALTH SCIENCES CENTER, STONY BROOK, N Y. Serum-derived immunosuppressant substances (mice, guinea pigs).
- R01AI-10279-01 (BM) LUDOVICI, PETER P, DEPT OF MICRO & MED TECH, UNIVERSITY OF ARIZONA, TUCSON, ARIZ. Plaques and toxins in cell structure by *P. seruginosa* (rabbits).
- R01AI-10288-04 (ALY) HENNEY, CHRISTOPHER S, GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BOULEVARD, BALTIMORE, MD. In vitro studies of cell-mediated immunity (mice, guinea pigs).
- R01AI-10282-03 (VR) SANDERS, CHARLES V, JR, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Host factors which modify human interferon response.
- R01AI-10286-03 (BM) JOHNSTON, RICHARD B, JR, UNIV OF ALABAMA MEDICAL CTR, UNIVERSITY STATION, BIRMINGHAM, ALA. Mechanisms of resistance to bacterial infection.
- R22AI-10288-03 (BM) DRUTZ, DAVID J, MEDICAL SERVICE, ROOM 4401, SAN FRANCISCO GENERAL HOSPITAL, SAN FRANCISCO, CALIF. Lymphocytes, macrophages, and leprosy (human).
- R01AI-10290-03 (MAB) DAVIS, WILLIAM C, WASHINGTON STATE UNIVERSITY, DEPT OF VETERINARY MICROBIOL, PULLMAN, WASH. The ultrastructural relation of H-2 isoantigens (mice).
- R01AI-10293-03 (ALY) STROBER, SAMUEL, STANFORD UNIVERSITY, DEPARTMENT OF MEDICINE, STANFORD, CALIF. Cell model for the initiation of antibody response (rats).
- P15AI-10304-04 (AIRC) NORMAN, PHILIP S, GOOD SAMARITAN HOSPITAL, 5601 LACH RAVEN BOULEVARD, BALTIMORE, MD. Clinical center for allergic diseases (human).
- R01AI-10311-04 (MBC) DUBNAU, DAVID A, PUB HLTH RES INST, INC, 455 FIRST AVENUE, NEW YORK, N Y. Bacterial transformation and the cell membrane.
- R01AI-10318-04 (MBC) CLEWELL, DON B, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Structure and replication and bacterial plasmids.
- R01AI-10326-04 (GEN) FIELDS, BERNARD M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Genetic and biochemical studies of Reovirus.
- R01AI-10331-03 (MBC) LOVETT, PAUL S, UNIVERSITY OF MARYLAND, 5401 WILKENS AVENUE, CATONSVILLE, MD. Sporulation plasmid in *Bacillus pumilus*.
- R01AI-10332-03 (VR) SEIDLER, RAMON J, OREGON STATE UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, CORVALLIS, OREG. Intracellular parasitism.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01AI-10333-04 (MBC) MULLER, CHARLES G, DEPT OF MICROBIOLOGY, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Genetics and biochemistry of intracellular protozois.
- R01AI-10334-04 (PTHA) ANDRES, GIUSEPPE A, STATE UNIVERSITY OF NEW YORK SCHOOL OF MEDICINE, BUFFALO, N Y. Nephritis immunopathology and renal transplants (human, rodents, sheep, monkeys).
- R01AI-10339-03 (VR) FULGINITI, VINCENT A, UNIVERSITY OF ARIZONA, DEPARTMENT OF PEDIATRICS, TUCSON, ARIZ. Vaccinia virus immune mechanisms (monkey, rabbits).
- R01AI-10343-03 (ALY) HIRSCHHORN, ROCHELLE, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Activation of immunocompetent lymphocytes.
- R01AI-10351-04 (BM) NORTH, ROBERT J, TRUDEAU INSTITUTE, POST OFFICE BOX 59, SARANAC LAKE, N Y. Production and deployment of the mediators of cellular immunity.
- R01AI-10353-03 (BM) CORRIGAN, JAMES J, JR, UNIVERSITY OF ARIZONA, DEPT OF PEDIATRICS, TUCSON, ARIZ. Neutralization of endotoxin toxicity with polymyxin B (human, dogs, rabbits).
- P15AI-10356-04 (AJRC) AUSTIN, K FRANK, ROBERT B BRIGHAM HOSP, PARKER HILL AVENUE, BOSTON, MASS. Immunologic release of chemical mediators in man (and mammals nonhuman).
- R01AI-10360-03 (TMP) BENSON, ROBERT L, WASHINGTON STATE UNIVERSITY, DEPT OF ENTOMOLOGY, PULLMAN, WASH. Control of aminosugar metabolism in a pathogen vector (flies).
- R01AI-10361-04 (VR) NICHOLS, JACK L, DEPT MICROBIOL/IMMUNOLOGY, BOX 3020-DUKE UNIV MED CTR, DURHAM, N C. Nucleotide sequences in viral RNA.
- R01AI-10373-08 (MAB) MOORE, THOMAS C, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Vascular component of transplant rejection (dogs, rats).
- R01AI-10381-04 (PTHA) FRIED, FLOYD A, UNIVERSITY OF NORTH CAROLINA, DEPT OF SURGERY, CHAPEL HILL, N C. Pathogenesis of pyelonephritis (E coli, rats, mice).
- R01AI-10384-04 (MAB) REED, NORMAN D, MONTANA STATE UNIVERSITY, DEPT OF MICROBIOLOGY, BOZEMAN, MONT. Immunology of germfree genetically thymusless mice.
- P15AI-10386-04 (AJRC) VAUGHAN, JOHN H, SCRIPPS CLINIC AND RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Investigations in bronchial asthma (human).
- R01AI-10388-16 (BM) SANFORD, JAY P, UNIV OF TEXAS SW MEDICAL SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEXAS. Host determinants in urinary tract infection (humans, rabbits).
- R01AI-10389-03 (MCHB) JOHNSON, PETER Y, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Photolysis of amido-diones-A synthesis of penicillin.
- P15AI-10391-03 (AJRC) MATHEWS, KENNETH P, UNIVERSITY OF MICHIGAN, R6609 KRESGE MED RES BLDG 1, ANN ARBOR, MICH. Allergy disease center-Rhinitis investigations (human, guinea pigs).
- P15AI-10397-02 (SSS) ARDESMAN, CARL E, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N Y. Reaction to stinging insects (human, monkeys, rodents).
- P15AI-10398-04 (AJRC) FARR, RICHARD S, NATIONAL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Allergy disease center (human).
- P15AI-10400-04 (AJRC) MIDDLETON, ELLIOTT, JR, CHILDRENS ASTHMA RESEARCH INST, 1999 JULIAN STREET, DENVER, COLO. Clinical and biochemical correlations in asthma (children).
- P15AI-10404-04 (AJRC) REED, CHARLES E, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Allergic disease center (children).
- P15AI-10405-04 (AJRC) PARKER, CHARLES W, WASHINGTON UNIV SCH OF MED, 660 SOUTH EUCLID, ST LOUIS, MO. Asthma clinical center (human, rats, rabbits).
- R01AI-10414-01 (MBC) BAYER, MANFRED E, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, FOX CHASE, PHILA, PA. Zones of multiple functions of the cellular surface.
- R01AI-10422-03 (MAB) GLADE, PHILIP R, MOUNT SINAI SCHOOL OF MEDICINE, 100TH ST & 5TH AVENUE, NEW YORK, N Y. Lymphoid cell lines-Mediators of cellular immunity (human, guinea pigs).
- R01AI-10424-03 (MAY) COHEN, SEYMOUR S, UNIV OF COLORADO MED CENTER, 4200 EAST NINTH AVENUE, DENVER, COLO. Polyamines in cellular metabolism and function (microorganisms, mice, algae).
- R01AI-10429-03 (VR) MANDEL, BENJAMIN, PUBLIC HEALTH RES INST, 455 FIRST AVENUE, NEW YORK, N Y. Virus-cell and virus-antibody interaction.
- R01AI-10430-03 (VR) TERSHAR, DANIEL R, PENNSYLVANIA STATE UNIVERSITY, 5101 FREAR BUILDING, UNIVERSITY PARK, PA. Molecular basis for the attenuation of poliovirus.
- R22AI-10435-03 (TMP) SHORT, ROBERT B, FLORIDA STATE UNIVERSITY, DEPT OF BIOLOGICAL SCI, TALLAHASSEE, FLA. Sensory structures of schistosomes.
- R01AI-10444-03 (TMP) CRANS, WAYNE J, RUTGERS UNIVERSITY, DEPT OF ENTOMOLOGY & ECON ZOO, NEW BRUNSWICK, N J. Bionics of simuliids and their nematode parasites.
- R01AI-10449-03 (BM) JOHNSON, WILLIAM, UNIVERSITY OF IOWA, DEPARTMENT OF MICROBIOLOGY, IOWA CITY, IOWA. Ribosomal vaccines(mice).
- R01AI-10454-03 (ALY) GROSSBERG, ALLAN L, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Antibody combining site structure and specificity (rabbits).
- R01AI-10455-03 (ALY) OSLER, ABRAHAM G, PBLIC HEALTH RES INST, 455 FIRST AVENUE, NEW YORK, N Y. In vitro studies of reaginic allergy (human, rabbits).
- R01AI-10457-03 (ALY) KOHLER, HEINZ, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Variable heavy chain pool in the BALB/C mouse immunoglobulins.
- R22AI-10466-03 (BM) BERRY, L JOE, UNIVERSITY OF TEXAS, AUSTIN, TEX. Immunity to cholera (mice).
- R01AI-10467-03 (GEN) POULSON, DONALD F, YALE UNIVERSITY, KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Studies on hereditary androcidal infections (Drosophila, microorganisms).
- R01AI-10468-03 (MBC) CLOWES, ROYSTON C, UNIV OF TEXAS AT DALLAS, DALLAS, TEX. Infectious drug resistance plasmids.
- R01AI-10478-03 (BM) HOWARD, DEXTER H, UCLA SCHOOL OF MEDICINE, DEPT MEDICAL MICROBIOLOGY & IM, LOS ANGELES, CALIF. Transport of amino acids by *Histoplasma capsulatum*.
- R01AI-10490-03 (TMP) CYPRESS, RAYMOND H, UNIVERSITY OF PITTSBURGH, GRAD SCH OF PUBLIC HEALTH, PITTSBURGH, PA. Immunity to a parasitic nematode (mice).
- R01AI-10492-03 (VR) GROMAN, NEAL B, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MICROBIOLOGY, SEATTLE, WASH. Virulence of *Corynebacterium diphtheriae*.
- R01AI-10494-03 (MAB) MARCHIORO, THOMAS L, UNIV OF WASHINGTON SCH OF MED, DEPARTMENT OF SURGERY, SEATTLE, WASH. Host response to organ homografts (dogs).
- R01AI-10495-03 (MAB) SPITTLER, LYNN E, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Cellular immunity in allergic encephalitis (human, guinea pigs).
- R01AI-10496-03 (MAB) DVORAK, HAROLD F, MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS. Basophilic leukocytes in human allergic disease.
- R01AI-10497-03 (MAB) GERSHON, RICHARD K, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Response of thymus derived cells to antigen (mice).
- R01AI-10498-03 (ALY) VANN, DOUGLAS C, DEPT OF GENETICS, 1960 EAST WEST ROAD, HONOLULU, HAWAII. Cellular basis of antibody production (mice).
- R22AI-10501-03 (ALY) LEON, MYRON A, ST LUKES HOSPITAL, 11311 SHAKER BLVD, CLEVELAND, OHIO. Cellular pathways in delayed hypersensitivity (rabbits).
- R01AI-10505-03 (BM) PERLMAN, DAVID, UNIVERSITY OF WISCONSIN, SCHOOL OF PHARMACY, MADISON, WIS. Antibiotics from *Mycoplasma* species.
- R22AI-10509-03 (PTHB) BHAMARAPRAYATI, NATTH, RAMATHBOOI HOSPITAL, RAMA VI ROAD, BANGKOK 4, THAILAND. Pathology and pathogenesis of dengue hemorrhagic fever (Thailand).
- R22AI-10512-03 (TMP) SAZ, HOWARD J, UNIVERSITY OF NOTRE DAME, NOTRE DAME, IND. Chemotherapy and metabolism of filariids (dogs, rodents).
- R01AI-10514-03 (MBC) SHUSTER, ROBERT C, EMORY UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, ATLANTA, GA. An endonuclease synthesized by bacteriophage.
- R01AI-10517-01 (MBC) BATRA, PREM P, DEPT OF BIOLOGICAL SCIENCES, WRIGHT STATE UNIVERSITY, DAYTON, OHIO. Biosynthesis of carotenes in mycobacteria.
- R01AI-10519-03 (MCHA) SM, CHARLES J, UNIVERSITY OF WISCONSIN, 425 NORTH CHARTER STREET, MADISON, WIS. Penicillin biosynthesis and related peptide chemistry (fungi).
- R01AI-10520-03 (TMP) FREMOUNT, HENRY M, EAST STROUBSBURG STATE COLLEGE, DEPARTMENT OF BIOLOGY, EAST STROUBSBURG, PA. Deep vascular schizogony in malaria (monkeys).
- R01AI-10526-03 (VR) WHITELOCK, E FREDERICK, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Role of lymphocytes in human viral infections (and mice).
- R01AI-10527-04 (TMP) SCHNEIDERMAN, HOWARD A, UNIVERSITY OF CALIFORNIA, CENTER FOR PATHOBIOLOGY, IRVINE, CALIF. Metabolism and hormones in arthropods.
- R01AI-10529-03 (TMP) WASHINGO, ROBERT K, UNIVERSITY OF CALIFORNIA, DEPT OF ENTOMOLOGY, TORRANCE, CALIF. Identification of host blood in arthropods.
- R01AI-10542-03 (BM) BEAMAN, BLAINE L, GEORGETOWN UNIVERSITY, SCHOOLS OF MED & DENTISTRY, WASHINGTON D C. Mechanisms controlling nocardial infection (mice).
- R01AI-10547-03 (BM) LEHNER, ROBERT I, UNIVERSITY OF CALIFORNIA, 1282 MOFFITT HOSPITAL, SAN FRANCISCO, CALIF. Resistance to opportunistic fungal infections (human).
- R01AI-10551-03 (PC) SUZUKI, TSUNRO, UNIVERSITY OF KANSAS MED CTR, 39TH & RAINBOW BLVD, KANSAS CITY, KANS. Structural studies of immunoglobulin M (human).
- R01AI-10557-03 (MAB) SHKAGREN, JOHN N, HOWARD UNIV COLLEGE OF MED, 6TH AND BRYANT STREETS, N W, WASHINGTON, D C. Cellular immunity in vitro (guinea pigs, humans).
- R01AI-10580-03 (ALY) HOPPER, JOHN E, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Genetic control of immunoglobulin synthesis (human, rabbits).
- R01AI-10586-03 (EDC) MOSLEY, JAMES W, UNIVERSITY OF SOUTHERN CALIF, 2826 SOUTH HOPE STREET, LOS ANGELES, CALIF. Epidemiology of HAA-positive viral hepatitis (human).
- R01AI-10587-02 (EDC) GILLENWATER, JAY Y, UNIVERSITY OF VIRGINIA, DEPT OF UROLOGY, BOX 236, CHARLOTTESVILLE, VA. Epidemiology and history of urinary tract infections.
- R01AI-10588-03 (EDC) ANDERSEN, FERRON L, BRIGHAM YOUNG UNIVERSITY, 155 WIDTSOE BUILDING, PROVO, UTAH. Epidemiology of echinococcosis (carnivores, ungulates).
- R01AI-10591-03 (MAB) ZWISMAN, BURTON, UNIVERSITY OF PENNSYLVANIA, 36TH AND HAMILTON WALK, PHILADELPHIA, PA. Immune mechanisms in humans receiving azathioprine.
- R01AI-10593-03 (MAB) THOMPSON, JOHN S, VETERANS ADMINISTRATION HOSP, IOWA CITY, IOWA. Characterization of human non-HLA leukocyte antigens.
- R01AI-10597-03 (MCHA) CARLSON, ROBERT M, UNIVERSITY OF MINNESOTA, DEPT OF CHEMISTRY, DULUTH, MINN. Synthesis of dihydro-gamma-pyrone antibiotics.
- R01AI-10600-03 (PTHA) BOOT, RICHARD K, UNIVERSITY OF PENNSYLVANIA, 552 JOHNSON PAVILION, PHILADELPHIA, PA. Human phagocyte function in health and disease (also animal).
- R01AI-10601-01 (PTHA) GOODALE, FAIRFIELD, DEPT OF PATHOLOGY, VIRGINIA COMMONWEALTH UNIV, RICHMOND, VA. Pathogenesis of fever (human, rabbits, guinea pigs).
- R01AI-10605-03 (VR) MANILOFF, JACK, UNIV OF ROCHESTER MED CTR, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Biology of *Mycoplasma* viruses.
- R01AI-10610-03 (BIO) HALVORSON, HARRY O, BRANDEIS UNIVERSITY, WALTHAM, MASS. Protein metabolism in yeast.
- R01AI-10611-04 (ALY) GILL, THOMAS J, 3D, UNIV OF PITTSBURGH SCH OF MED, DEPARTMENT OF PATHOLOGY, PITTSBURGH, PA. Chemical, genetic and cellular aspects of immunogenicity (rats).

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- R01AI-10612-04 (VR) PFAU, CHARLES J, RENSSLAER POLYTECHNIC INST, DEPT OF BIOLOGY, TROY, N.Y. Studies on the nature of arenaviruses.
- R01AI-10619-03 (BBCA) GRUDUSCHER, E PETER, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. A protein with repressor-like properties (bacteriophage, bacteria).
- R01AI-10622-03 (BM) MEDOFF, GERALD, WASHINGTON UNIV MEDICAL SCHOOL, 660 S EUCLID, ST LOUIS, MO. Modification of host resistance-Antifungal survey (mice, rats).
- R01AI-10627-04 (TMP) DESPOMMIER, DICKSON D, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N.Y. Functional antigens of *Trichinella spiralis* (rats).
- R01AI-10630-03 (ALY) KATZ, DAVID H, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Cell cooperation in immune responses (guinea pigs).
- R01AI-10638-03 (VR) VIDAVAR, ANNE MARIE K, UNIVERSITY OF NEBRASKA, DEPT OF PLANT PATHOLOGY, LINCOLN, NEBR. Viruses of phytopathogenic pseudomonads.
- R01AI-10639-04 (PTHA) LEAK, LEE V, HOWARD UNIVERSITY, 520 W STREET, N W, WASHINGTON, D C. Lymphatic system in health and in inflammation (mammals).
- R01AI-10640-03 (TMP) TRAGER, WILLIAM, ROCKEFELLER UNIVERSITY, NEW YORK, N.Y. Physiology of intracellular parasitism (hamsters, monkeys).
- R01AI-10645-03 (TMP) AIKAWA, MASAMICHI, CASE WESTERN RESERVE UNIV, 2085 ADELBERT ROAD, CLEVELAND, OHIO. High voltage electron microscopy of malaria.
- R01AI-10640-03 (GEN) SPARLING, PHILIP F, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N.C. Antibiotic resistance in *Neisseria gonorrhoeae*.
- R01AI-10648-03 (MBC) LEVY, STUART B, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Replication and transfer of R factor DNA (E coli).
- R01AI-10650-03 (BBCB) WHITLOCK, HOWARD W, JR, UNIVERSITY OF WISCONSIN, DEPARTMENT OF CHEMISTRY, MADISON, WIS. Molecular aspects of transcription (antibiotics).
- R01AI-10658-02 (SOYA) RAPAPORT, FELIX T, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N.Y. Induction of unresponsiveness to allografts (dogs).
- R01AI-10664-09 (ALY) SCHROHENLOHNER, RALPH E, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Structure and function of immunoglobulins (human).
- R01AI-10666-02 (BM) VAN OSS, CAROL J, STATE UNIVERSITY OF NEW YORK, 207 SHERMAN, DEPT OF MICROBIOL, BUFFALO, N.Y. Bacterial surfaces, virulence and phagocytosis.
- R01AI-10668-03 (BM) FAJR, WILLIAM R, STANFORD UNIV SCH OF MED, DIVISION OF UROLOGY, STANFORD, CALIF. Investigation of the prostatic antibacterial factor (human, dogs, rats).
- R01AI-10669-08 (NBS) ROBERTS, RICHARD B, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N.Y. Immunity to *Neisseria gonorrhoeae* (human).
- R01AI-10671-03 (MAB) LARSH, JOHN E, JR, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PUBLIC HEALTH, CHAPEL HILL, N.C. Immunological studies in experimental trichinosis (mice).
- R01AI-10677-03 (CBY) KARNOVSKY, MORRIS J, HARVARD MED SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Ultrastructural immunocytochemistry of cell surfaces (mice, rats).
- R01AI-10678-03 (MAB) BILLINGHAM, RUPERT E, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Immunobiology of tissue transplantation and pregnancy (rodents, rabbits).
- R01AI-10679-03 (MAB) BORYSENKO, MYRIN, TUFTS UNIVERSITY SCHOOL OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Comparative transplantation immunogenetics (sharks, turtles).
- R22AI-10683-03 (MCHB) URBACH, FRED L, CASE WESTERN RESERVE UNIV, DEPARTMENT OF CHEMISTRY, CLEVELAND, OHIO. Antimonial antihelminthic agents (rats, mice).
- R01AI-10685-03 (ALY) STORB, URSULA B, UNIVERSITY OF WASHINGTON, DEPT OF MICROBIOLOGY, SEATTLE, WASH. Immunoglobulin gene analysis by RNA-DNA hybridization (mice).
- R01AI-10666-02 (ALY) SPITTLER, LYNN E, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, SAN FRANCISCO, CALIF. Transfer factor therapy (human, rabbits, guinea pigs).
- R22AI-10688-02 (BM) MORRISON, NORMAN E, JOHN HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Experimental chemotherapy of leprosy (mice, hamsters).
- R01AI-10689-03 (PTHA) MILLER, MICHAEL E, CHAS R DREW POST/GRAD MED SCH, 1621 EAST 120TH STREET, LOS ANGELES, CALIF. Resistance to infections in the neonate.
- R01AI-10689-03 0001 (PTHA) MILLER, MICHAEL E. Resistance to infections in the neonate-Cellular mechanisms in chemotaxis and phagocytosis (human).
- R01AI-10689-03 0002 (PTHA) MILLER, MICHAEL E. Resistance to infections in the neonate-Humeral mechanisms in inflammatory response (human, mice, bacteria).
- R01AI-10689-03 0003 (PTHA) MILLER, MICHAEL E. Resistance to infections in the neonate-C5 in human and other milks (goats, cows, formulae).
- R01AI-10689-03 0004 (PTHA) MILLER, MICHAEL E. Resistance to infections in the neonate-PMN abnormality in pyoderma gangrenosum (human).
- R01AI-10692-03 (VR) BISHOP, DAVID H, RUTGERS, THE STATE UNIVERSITY, INSTITUTE OF MICROBIOLOGY, NEW BRUNSWICK, N.J. Transcription and replication of animal RNA viruses.
- R01AI-10695-03 (BDC) POY, HJORDIS M, UNIVERSITY OF WASHINGTON, DEPT OF EPIDEMIOLOGY SC-36, SEATTLE, WASH. Epidemiology of *Mycoplasma pneumoniae* infections (human).
- P01AI-10702-03 (SSS) SCHARFF, MATTHEW D, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Cell biology of lymphoid cells.
- P01AI-10702-03 0001 (SSS) SCHARFF, MATTHEW D. Cell biology of lymphoid cells-Somatic cell genetics (human, mice, viruses).
- P01AI-10702-03 0002 (SSS) SCHARFF, MATTHEW D. Cell biology of lymphoid cells-Cell replication, immunoglobulins, transplantation antigens (human, mice).
- R01AI-10704-14 (ALY) MICHAEL, ALFRED F, UNIVERSITY OF MINNESOTA HOSP, DEPARTMENT OF PEDIATRICS, MINNEAPOLIS, MINN. Childhood renal disease (human, swine, rodents).
- R01AI-10707-03 (TMP) FUCHS, MORTON S, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF BIOLOGY, NOTRE DAME, IND. Reproductive physiology of *Aedes*.
- R01AI-10708-03 (TMP) CUPP, EDDIE W, UNIV OF SOUTHERN MISSISSIPPI, DEPT OF BIOLOGY, HATTIESBURG, MISS. Thermally induced sterility in *Aedes aegypti*.
- R01AI-10716-03 (MAB) SCOTT, DAVID W, DUKE UNIVERSITY MEDICAL CENTER, BOX 3010, DURHAM, N.C. Mechanism of immunologic tolerance in vivo and in vitro (rats).
- R01AI-10719-03 (MBC) DEMANN, ARNOLD L, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. New aminocyclitol antibiotics for human health.
- R01AI-10724-02 (ALY) LEON, MYRON A, ST LUKE'S HOSPITAL, 11311 SHAKER BLVD, CLEVELAND, OHIO. Biological activities of homogeneous mitogens.
- R01AI-10726-03 (ALY) JENSEN, JOERG A, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Complement and natural antibodies in elasmobranchs (sharks, rodents, dogs).
- R01AI-10727-02 (BM) MILLER, ROGER M, UNIV OF MARYLAND SCH OF MED, 29 S GREENE STREET, BALTIMORE, MD. Metabolic interactions between *S typhi* and polymorphonuclear leukocytes (human).
- R01AI-10732-03 (BM) DECHATELET, LAWRENCE R, BOWMAN GRAY SCH OF MED, DEPT OF BIOCHEMISTRY, WINSTON-SALEM, N.C. Pathophysiology and metabolism of the leukocyte (human, guinea pigs).
- R01AI-10733-03 (CBY) FOX, CHARLES F, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, LOS ANGELES, CALIF. Molecular basis of viral and cellular membrane fusion (mice).
- R01AI-10734-03 (ALY) SPIBOELBERG, HANS L, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Immunoglobulin subclasses (human, rabbits, mice).
- R01AI-10735-02 (ALY) BOHL, EDWARD H, OHIO AGRIC RES & DEVEL CTR, DEPT OF VETERINARY SCIENCE, WOOSTER, OHIO. Immunity against enteric viral infections (swine, rabbits).
- R01AI-10736-01 (ALY) STROMINGER, JACK L, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Structure and biosynthesis of HLA determinants (mice, rabbits).
- R01AI-10739-01 (BM) REEVES, PONTANNE, JR, DEPT OF BOTANY & PLANT PATH, COLORADO STATE UNIVERSITY, FORT COLLINS, COLO. Comparative isozyme patterns in dermatophytes.
- R01AI-10741-03 (BM) LITTMAN, PAUL S, JOHNS HOPKINS HOSP, 601 N BROADWAY, BALTIMORE, MD. Antibiotic assays by enzymatic modifications (human).
- R01AI-10743-03 (BM) KENNY, GEORGE E, UNIVERSITY OF WASHINGTON, SCH OF PUBLIC HLTH & COM MED, SEATTLE, WASH. Ridding cell lines and virus strains of mycoplasmas.
- R01AI-10752-03 (VR) BAY, DAN S, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGY, LOS ANGELES, CALIF. Regulation of the M13 viral DNA replication (E coli).
- R01AI-10762-03 (BBCB) SARMA, RAGHUPATHY, S U N Y - AT STONY BROOK, DEPARTMENT OF BIOCHEMISTRY, STONY BROOK, N.Y. X-ray crystal structure and function of proteins (human, birds).
- R01AI-10768-03 (MBC) IFFEN-IBLER, KARIN A, UNIVERSITY OF PITTSBURGH, DEPT OF BIOPHYSICS & MICROBIO, PITTSBURGH, PA. The genetics of plasmid transfer and replication.
- R01AI-10778-03 (GEN) WITKIN, EVELYN M, DOUGLASS COLLEGE, RUTGERS UNIVERSITY, NEW BRUNSWICK, N.J. Induced mutations in bacteria (E coli).
- R01AI-10781-03 (GEN) HOOD, LEROY E, CALIFORNIA INST OF TECH, 1201 EAST CALIFORNIA, PASADENA, CALIF. Genetics of antibody diversity, evolution and allotypy (rabbits).
- R01AI-10788-02 (BIO) REEVES, RICHARD E, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVE, NEW ORLEANS, LA. Variant step in glycolysis pathway by parasitic amoeba.
- R01AI-10793-03 (GEN) STRAUSS, JAMES M, CALIFORNIA INSTITUTE OF TECH, DIVISION OF BIOLOGY, PASADENA, CALIF. Genetic analysis of Sindbis virus.
- R01AI-10797-03 (BM) BERRY, I JOE, UNIV OF TEXAS AT AUSTIN, DEPT OF MICROBIOLOGY, AUSTIN, TEX. Induction of immunity to experimental salmonellosis (mice).
- R22AI-10803-03 (TMP) NEILSON, JOHN T, UNIVERSITY OF FLORIDA, DEPARTMENT OF VETERINARY SCI, GAINESVILLE, FLA. Immunity and antigen characterization of filariasis (hamsters).
- R01AI-10806-02 (MBC) TIPPER, DONALD J, UNIV OF MASSACHUSETTS MED SCH, 55 LAKE AVENUE NORTH, WORCESTER, MASS. Control of bacterial cell-wall synthesis and breakdown.
- R01AI-10810-03 (ALY) FLEISCHMANN, JULIAN B, WASHINGTON UNIVERSITY, BOX 8093, ST LOUIS, MO. Structural studies on immunoglobulins (rabbits).
- R01AI-10811-09 (ALY) KUNKEL, HENRY G, ROCKEFELLER UNIVERSITY, NEW YORK, N.Y. Myeloma proteins and antibodies (human).
- R01AI-10821-01 (BM) JONES, THOMAS C, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N.Y. Interactions of mycoplasmas and phagocytic cells (mice).
- R01AI-10822-03 (TMP) BONNER, THOMAS P, STATE UNIVERSITY COLLEGE, DEPT OF BIOLOGICAL SCI, BROCKPORT, N.Y. Cuticle formation in parasitic nematodes.
- R01AI-10824-03 (MAB) STEINMULLER, DAVID, UNIVERSITY OF UTAH, DEPT OF PATHOLOGY, SALT LAKE CITY, UTAH. Graft immunogenicity and its modification (mice, rats).
- R01AI-10825-03 (MAB) AREND, WILLIAM P, VETERANS ADMINISTRATION HOSP, GENERAL MEDICAL RESEARCH, SEATTLE, WASH. Mononuclear phagocytes (rabbits).
- R01AI-10828-03 (VR) MAGEE, WAYNE E, INDIANA STATE UNIVERSITY, DEPARTMENT OF LIFE SCIENCES, TERR HAUTE, IND. Parvovirus biochemistry and synthetic virus particles.
- R01AI-10829-03 (VR) BOZARTH, ROBERT F, BOYCE THOMPSON INSTITUTE, 1086 NORTH BROADWAY, YONKERS, N.Y. Properties of mycoviruses-Interferon inducers.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R22AI-10831-03 (VR) SHOPE, ROBERT E, YALE ARBOVIRUS RESEARCH UNIT, 60 COLLEGE STREET, NEW HAVEN, CONN. Intragroup relationships of rabies serogroup (mice).
- R01AI-10837-02 (BM) JOHNSON, WARREN D, CORNELL UNIVERSITY MEDICAL COL, 1300 YORK AVENUE, NEW YORK, N. Y. Immunity in human salmonella infections.
- R01AI-10838-02 (BM) HOWIE, VIRGIN M, 2345 WHITESBURG DR SOUTH, HUNTSVILLE, ALA. Immunologic response of children to otitis media.
- R01AI-10842-03 (TMP) WILLIAMS, JEFFREY F, MICHIGAN STATE UNIVERSITY, DEPT OF MICROBIOLOGY & PUB HLT, EAST LANSING, MICH. Immunology of larval tapeworm infection.
- R01AI-10843-03 (VR) BERNS, KENNETH I, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Molecular biology of edem-associated virus.
- R01AI-10845-20 (VR) WILLIAMS, BOBBY C, UNIVERSITY OF CALIFORNIA, VIRUS LABORATORY, BERKELEY, CALIF. Virus structure and growth in cultured cells.
- R22AI-10849-03 (TMP) QUINTAO, EDER C, UNNERSIDE DE SAO PAULO, AV ENEAS C AGUIAROSTRETO, SAO PAULO - CAPITAL - BRAZI. Patients with chyluria due to filariasis.
- R01AI-10854-03 (ALY) MISTECKY, JIRI F, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. J chain of human pathologic immunoglobulins.
- R01AI-10856-02 (BM) ALY, RAZA, UNIVERSITY OF CALIFORNIA, DEPT OF DERMATOLOGY, SAN FRANCISCO, CALIF. Survival of pathogenic microorganisms on human skin.
- R01AI-10858-03 (PC) MARCHINI, GEORGE L, KANSAS STATE UNIVERSITY, DIVISION OF BIOLOGY, MANHATTAN, KANS. Viral modification of amino acid activating enzyme (E coli, phages).
- R01AI-10362-03 (GBN) BERG, CLAIRE M, UNIVERSITY OF CONN, BOX U-131, STORRS, CONN. Genetic studies in E coli involving mutant isolation.
- R01AI-10864-03 (PC) HATTMAN, STANLEY M, UNIVERSITY OF ROCHESTER, DEPT OF BIOLOGY, ROCHESTER, N. Y. DNA methylation control by extrachromosomal factors (E coli, bacteriophages).
- R22AI-10368-03 (TMP) KBMP, WALTER M, ABILENE CHRISTIAN COLLEGE, DEPARTMENT OF BIOLOGY, ABILENE, TEX. Immunology of the cercarial dermatitis (monkeys, rabbits).
- R01AI-10872-03 (IMB) CARR, RONALD I, NATL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Pathogenic significance of ingested antigens (animals).
- R01AI-10873-06 (ALY) POLLEY, MARGARET J, CORNELL UNIV MED COLL, K B ANNEX 411 E 69TH STREET, NEW YORK, N. Y. Immunobiologic studies of human complement (and rabbits).
- R01AI-10882-03 (TMP) HUTNER, SEYMOUR H, HASKINS LABS AT PACE COLLEGE, 41 PARK ROW, NEW YORK, N. Y. Leptomonas and Blastocystis-like Models for chemotherapy.
- R01AI-10883-03 (VR) LAWRENCE, WILLIAM C, UNIVERSITY OF PENNSYLVANIA, DEPT OF PATHOBIOLOGY, PHILADELPHIA, PA. Herpes virus replication in synchronized cell cultures.
- R01AI-10884-03 (VR) COMPANS, RICHARD W, ROCKEFELLER UNIVERSITY, YORK AVE AND 66 STREET, NEW YORK, N. Y. Influenza virus structure, biosynthesis, and assembly.
- R22AI-10885-03 (MBC) FALKOW, STANLEY, UNIVERSITY OF WASHINGTON, S C 15, SEATTLE, WASH. Nature of enterotoxin production by E coli and V comma (monkeys, rabbits).
- R01AI-10886-02 (ALY) MARCICALONIS, JOHN J, ROYAL MELBOURNE HOSPITAL, WALTER & ELIZA HALL INSTITUTE, VICTORIA 3050, AUSTRALIA. Structure and function of cell surface immunoglobulin (mice, rabbits).
- R01AI-10892-02 (HBM) BAEMNER, ROBERT L, I U MEDICAL CENTER, RILEY HOSP, 1100 W MICHIGAN STREET, INDIANAPOLIS, IND. Leukocyte metabolism related to recurrent infection (human, animals).
- R01AI-10894-03 (GMA) SCHWEITZER, IRVIN L, JOHN WESLEY COUNTY HOSP, 2826 SOUTH HOPE ST, LOS ANGELES, CALIF. Hepatitis, HAA and anti-HAA in mothers and infants.
- R01AI-10895-03 (IMB) LESKOWITZ, SIDNEY, TUFTS UNIV SCHOOL OF MEDICINE, 136 HARRISON AVENUE, BOSTON, MASS. Cellular aspects of tolerance and delayed sensitivity (mice, guinea pigs, turtles).
- R01AI-10898-03 (TMP) SOLOMON, GENE B, UNIV OF PENNSYLVANIA, DEPARTMENT OF PATHOBIOLOGY, PHILADELPHIA, PA. Formation of granulomata by a parasite (mice).
- R01AI-10900-03 (VR) GIFFORD, GEORGE E, UNIV FLORIDA COLLEGE OF MED, DEPT OF IMMUNOL AND MED MICRO, GAINESVILLE, FLA. Interferon and cell-mediated immunity.
- R01AI-10902-06 (VR) SHOVE, MICHAEL K, HAVERFORD COLLEGE, HAVERFORD, PA. Synthesis and function of organized elements in cells (E coli).
- R01AI-10904-03 (IMB) WINN, HENRY J, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Immunological enhancement of normal tissue in the mouse.
- R01AI-10917-02 (ALY) PERNIS, BENVENUTO, UNIVERSITY OF GENOA, ISTITUTO DI MEDICINA DEL LAV, 16132 GENOA, ITALY. Immunoglobulin receptors of lymphoid cells (mice, rabbits).
- R22AI-18921-03 (ALY) DAVID, JOHN R, ROBERT B BRIGHAM HOSPITAL, 125 PARKER HILL AVENUE, BOSTON, MASS. Macrophage activation and cellular immunity.
- R01AI-10925-03 (BBCA) KNOX, JAMES R, UNIVERSITY OF CONNECTICUT, INST OF MATERIALS SCI, U-136, STORRS, CONN. A new approach to enzyme-resistant penicillins (bacteria).
- R22AI-18927-01 (BM) STORRS, ELEANOR E, GULF SOUTH RESEARCH INSTITUTE, P O BOX 1177, NEW BERIA, LA. Metabolism of DDS by the armadillo.
- R01AI-10931-03 (ALY) BLUESTEIN, HARRY G, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Immune responsiveness and histocompatibility.
- R01AI-10938-01 (BM) EVANS, CHARLES A, UNIVERSITY OF WASHINGTON, DEPT OF MICROBIOLOGY, SC-15, SEATTLE, WASH. Flora of human skin.
- R01AI-10939-03 (BM) ANDERSEN, BURTON R, V A WEST SIDE HOSPITAL, 820 SOUTH DAMEN AVENUE, CHICAGO, ILL. Effects of streptolysin on leukocyte function (human, rabbits).
- R01AI-10940-02 (BM) BARDANA, EMIL J, JR, UNIVERSITY OF OREGON MED SCH, 3181 S W SAM JACKSON PK ROAD, PORTLAND, OREG. Primary binding tests to assay circulating antibodies (human, rabbits).
- R01AI-10943-02 (TMP) LEMMA, AKILU, HAILE SELASSIE I UNIVERSITY, P O BOX 1176, ADDIS ABABA, ETHIOPIA. Studies on leishmaniasis in Ethiopia.
- R01AI-10944-03 (VR) PITHA, PAULA M, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. Uptake of polynucleotides and interferon production.
- R01AI-10943-03 (VR) HOWE, CALDERON, LOUISIANA STATE UNIV MED CTR, 1542 TULANE AVE, NEW ORLEANS, LA. Immunochemistry of virus receptors and infected cells (human).
- R01AI-10947-03 (SSS) KAPLAN, ALBERT S, VANDERBILT UNIV SCHOOL OF MED, DEPT OF MICROBIOLOGY, NASHVILLE, TENN. Metabolism of cells infected with nuclear DNA viruses.
- R01AI-10947-03 0001 (SSS) KAPLAN, ALBERT S. Metabolism of cells infected with nuclear DNA viruses—Nonstructural sulfated glycoproteins.
- R01AI-10947-03 0002 (SSS) KAPLAN, ALBERT S. Metabolism of cells infected with nuclear DNA viruses—Control of transcription and translation by pseudorabies virus (mammals).
- R01AI-10947-03 0003 (SSS) KAPLAN, ALBERT S. Metabolism of cells infected with nuclear DNA viruses—Genoma of human cytomegalovirus.
- R01AI-10949-03 (BM) GLASGOW, LOWELL A, UNIVERSITY OF UTAH COLL OF MED, DEPT OF MICROBIOL & PED, SALT LAKE CITY, UTAH. Staphylococcal exfoliative toxin (rabbits).
- R01AI-10950-02 (BM) WILLIAMSON, DAVID L, S U N Y - AT STONY BROOK, HEALTH SCIENCES CENTER, STONY BROOK, N. Y. Maternally inherited agents in Drosophila.
- R01AI-10951-03 (MBC) COSTLOW, RALPH M, MICHIGAN STATE UNIVERSITY, DEPT OF MICROBIOL/PUB HLTH, EAST LANSING, MICH. Biochemistry of ornithine fermentation.
- R01AI-10954-03 (TMP) DAVIS, EDWARD E, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Electrophysiological study of chemoreceptors (mosquitoes).
- R01AI-10959-02 (ALY) SLESINSKI, RONALD S, KANSAS STATE UNIVERSITY, DIVISION OF BIOLOGY, MANHATTAN, KANS. Immunoglobulins in human cell hybrids and mutants.
- R01AI-10961-02 (IMB) WILSON, DARCY B, UNIVERSITY OF PENNSYLVANIA, DEPT OF PATHOLOGY, PHILADELPHIA, PA. Immunologic aspects of aging and neoplasia (rats).
- R01AI-10964-01 (MCHB) WHITE, JAMES D, OREGON STATE UNIVERSITY, DEPT OF CHEMISTRY, CORVALLIS, OREG. Synthesis of methymycin.
- R01AI-10967-02 (IMB) UHR, JONATHAN W, UNIV OF TEXAS SOUTHWESTERN, MEDICAL SCHOOL AT DALLAS, DALLAS, TEX. Regulation of the immune response (mice, rabbits).
- R01AI-10969-04 (ALY) RABINOVITCH, MICHEL, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Recognition of particles by phagocytes (mice, amoeba).
- R01AI-10971-03 (MBC) HIGGINS, MICHAEL L, TEMPLE UNIVERSITY SCHOOL OF ME, 3400 N BROAD STREET, PHILADELPHIA, PA. Cell division and surface growth (bacteria).
- R01AI-10972-01 (MBC) DUBNAU, DAVID A, PUBLIC HLTH RES INSTITUTE, 455 FIRST AVENUE, NEW YORK, N. Y. Integration of transforming DNA.
- R01AI-10980-02 (BM) POTTER, ELIZABETH V, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. Rheumatogenic and nephritogenic infections (human).
- R01AI-10982-02 (BM) COX, C D, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF MICROBIOLOGY, AMHERST, MASS. Cultivation of virulent Treponema pallidum (rabbits).
- R01AI-10986-03 (VR) CASALS-ARIET, JORDI, YALE ARBOVIRUS RESEARCH UNIT, 60 COLLEGE ST, NEW HAVEN, CONN. World reference center for arboviruses (mice).
- R01AI-10985-03 (CDC) MC CLELLAND, GEORGE A, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ENTOMOLOGY, DAVIS, CALIF. Competition among mosquitoes in the human environment.
- R01AI-10988-02 (TMP) SONENSHINE, DANIEL E, OLD DOMINION UNIVERSITY, POST OFFICE BOX 6173, NORFOLK, VA. Sex pheromones in disease-transmitting ticks (rats, dogs).
- R01AI-10987-02 (TMP) SILVERSTEIN, ROBERT M, STATE UNIVERSITY OF NEW YORK, COLL OF ENVIRON SCI & FORESTRY, SYRACUSE, N. Y. Sex pheromones in disease-transmitting ticks (rats, dogs).
- R01AI-10988-02 (TMP) BRYANT, EDWIN M, UNIVERSITY OF HOUSTON, DEPARTMENT OF BIOLOGY, HOUSTON, TEX. Variation in mating behavior (flies).
- R01AI-10990-03 (RAD) BEALMEAR, PATRICIA M, BAYLOR COLLEGE OF MEDICINE, TEXAS MEDICAL CENTER, HOUSTON, TEX. Radiation pathology and treatment in germfree mice (and hamster).
- R01AI-10992-06 (BIO) PRANASKY, ROBERT J, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILION, S DAK. Purification of proteins with biological activity.
- R01AI-10996-02 (VR) LEVINIE, SEYMOUR, WAYNE STATE UNIVERSITY, 540 EAST CANFIELD, DETROIT, MICH. Respiratory syncytial virus assembly and maturation.
- R01AI-10997-01 (VR) GOLD, EIJ, CLEVELAND MET GEN HOSP, 3395 SCRANTON RD, CLEVELAND, OHIO. Pathogenesis of cytomegalovirus infection (monkeys, human).
- R01AI-10998-02 (BM) KUSAMA, HIDEO, NEW YORK STATE DEPT OF HEALTH, NEW SCOTLAND AVENUE, ALBANY, N. Y. Permeability factor of Pseudomonas aeruginosa (mice, rabbits).
- R01AI-10999-02 (BM) FRIEDMAN-KUEN, ALVIN E, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. 10016. Resistance to intracellular bacterial infection.
- R01AI-11006-02 (ALY) PLESZIA, OTTO J, RUTGERS, STATE UNIVERSITY, INST OF MICROBIOLOGY, NEW BRUNSWICK, N. J. Cyclic AMP and immune response (mice, guinea pigs).
- R01AI-11007-01 (IMB) JETER, WAYBURN S, UNIVERSITY OF ARIZONA, DEPT OF MICROBIOLOGY, TUCSON, ARIZ. Characteristics of guinea pig transfer factor.
- R01AI-11009-02 (IMB) TUBERGEN, DAVID G, UNIVERSITY OF MICHIGAN, KRESGE II, ROOM 6036, ANN ARBOR, MICH. Virus-induced suppression of delayed hypersensitivity.
- P15AI-11010-02 (AIRC) FRICK, OSCAR L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, SAN FRANCISCO, CALIF. Allergic diseases center (human, mammals).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01AI-11013-01 (ALY) LIGHTBODY, JAMES J, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. In vitro study of human allograft immunity.
- R01AI-11014-02 (BBCA) BUSH, C ALLEN, ILLINOIS INST OF TECHNOLOGY, DEPT OF CHEMISTRY, CHICAGO, ILL. Structure and conformation of oligosaccharides (human, horses).
- R01AI-11015-01 (MAB) RAPPAPORT, IRVING, NEW YORK MEDICAL COLLEGE, BASIC SCIENCES BUILDING, VALHALLA, N Y. Background PFC in young and aging mice.
- R01AI-11019-01 (MBC) SOKATCH, JOHN R, UNIVERSITY OF OKLAHOMA, HEALTH SCIENCES CTR BOX 26901, OKLAHOMA CITY, OKLA. Metabolism of branched chain amino acids (human, bacteria).
- R01AI-11028-02 (ALY) NUSSENZWEIG, VICTOR, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Plasma membrane of normal and leukemic human leukocytes.
- R01AI-11041-02 (ALY) FELDBUSH, THOMAS L, UNIVERSITY OF IOWA, DEPARTMENT OF MICROBIOLOGY, IOWA CITY, IOWA. Antigen modulation of immunologic memory (rats).
- R01AI-11051-01 (MAB) BARKER, CLYDE F, ASSOCIATE PROF OF SURGERY, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA. Biology of tissue and organ transplantation (mice, rats).
- R01AI-11054-01 (MBC) EVANS, AUDREY H, CASE WESTERN RESERVE UNIV, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Genetic functions and continuity of RNA-DNA hybrids (bacteria).
- R01AI-11073-02 (BM) SWANSON, JOHN L, DEPARTMENT OF PATHOLOGY, UNIV OF UTAH COLL OF MEDICINE, SALT LAKE CITY, UTAH. Gonococcus infection (human, mice).
- R01AI-11074-02 (MAB) GRUMET, FRANK C, STANFORD MEDICAL CENTER, DIVISION OF HEMATOLOGY, STANFORD, CALIF. Mechanisms of histocompatibility-linked Ir genes (mice, guinea pigs, human).
- R01AI-11075-02 (MBC) PATO, MARTIN L, NATIONAL JEWISH HOSPITAL, 3800 EAST COLFAX AVENUE, DENVER, COLO. Control of bacterial plasmid replication.
- R01AI-11077-02 (ALY) KANTOR, FRED S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Interplay of humoral factors in cellular immunity (mice, guinea pigs).
- R01AI-11080-02 (ALY) KOHLER, HEINZ, 950 EAST 59TH STREET, CHICAGO, ILL. Antigen and antibody in the immune response (mice).
- R22AI-11085-01 (BM) REBILLY, RICHARD W, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Enterotoxic interaction with epithelial cells in vitro.
- R01AI-11092-01 (ALY) WATSON, JAMES D, SALK INST FOR BIOL STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Induction of antibody synthesis (mice).
- R01AI-11093-02 (BBCB) WOBSCHELL, DAROLD C, DEPARTMENT OF BIOPHYSICAL SCI, 4234 RIDGE LEA ROAD, BUFFALO, N Y. Membrane impedance apparatus for immunological assay.
- R01AI-11094-02 (BM) TEWARI, RAM P, RUTGERS UNIVERSITY, DEPT OF BACTERIOLOGY, NEW BRUNSWICK, N J. Immunogenicity of Histoplasma ribosomes and RNA (mice).
- R01AI-11101-02 (MAB) TEW, JOHN G, VIRGINIA COMMONWEALTH UNIV, P O BOX 847, DEPT OF MICROBIOL, RICHMOND, VA. Regulation of the immune response by persisting antigen.
- R01AI-11102-02 (MAB) WICHER, KONRAD J, E J MEYER MEMORIAL HOSP, INC, 462 GRIDER STREET, BUFFALO, N Y. Cellular immunity in syphilis (human, rodents, rabbits, monkeys).
- R01AI-11103-01 (MAB) BAER, RUDOLF L, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Nonimmunogenic unconjugated simple chemical tolerogens (guinea pigs).
- R22AI-11107-02 (TMP) VOGEL, MARIETTA, UNIVERSITY OF CALIFORNIA, CTR FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. In vitro development of larval stages of schistosomes (snails).
- R01AI-11111-02 (VR) MONTGOMERY, JOHN R, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Immunology of congenital cytomegalovirus disease.
- R01AI-11112-08 (VR) WAONER, ROBERT R, UNIV OF VIRGINIA, DEPT OF MICROBIOLOGY, CHARLOTTESVILLE, VA. Cellular resistance to viral infection.
- R01AI-11116-02 (ALY) MC CABE, WILLIAM R, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Biology and immunology of gram-negative bacilli (human, mice, rabbits, monkeys).
- R01AI-11121-02 (MBC) SWITZER, ROBERT L, UNIVERSITY OF ILLINOIS, 318 EAST CHEMISTRY BUILDING, URBANA, ILL. Novel control mechanisms in endospore formation.
- R01AI-11123-02 (TMP) ALGER, NELDA E, UNIVERSITY OF ILLINOIS, 287 MORRILL HALL, URBANA, ILL. Nosema algerae as a biological control of mosquitoes.
- R01AI-11127-02 (VR) STONE, HENRY O, UNIVERSITY OF KANSAS, DEPT OF MICROBIOLOGY, LAWRENCE, KANS. Control mechanisms in paramyxovirus replication.
- P01AI-11132-03 (SSS) SHOPE, ROBERT E, YALE ARBOVIRUS RESEARCH UNIT, 60 COLLEGE STREET, NEW HAVEN, CONN. Prevention or control of arbovirus infections.
- P01AI-11132-03 0001 (SSS) ANDERSON, CHARLES R. Prevention or control of arbovirus infections—A aegypti susceptibility to dengue and yellow fever (mice, monkeys).
- P01AI-11132-03 0002 (SSS) DOWNS, WILBUR G. Prevention or control of arbovirus infections—Arthropod susceptibility to rabies related viruses (rodent, rabbit, chick, bat).
- P01AI-11132-03 0003 (SSS) BUCKLEY, SONJA M. Prevention or control of arbovirus infections—Rhabdovirus epidemiology improved techniques (rodent, rabbit, human).
- P01AI-11132-03 0004 (SSS) CASALS-ARIET, JORDI. Prevention or control of arbovirus infections—Serological and biological properties of Congo virus (mice).
- R01AI-11140-02 (BM) QUINN, ROBERT W, VANDERBILT UNIVERSITY, 21ST & EDGEHILL AVENUES, NASHVILLE, TENN. Serological identification of N gonorrhoea (rabbits, human).
- R01AI-11142-01 (BM) LOOSE, LELAND D, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Macrophage mediated malarial immunosuppression (mice).
- R22AI-11147-01 (TMP) MYERS, BETTY J, SOUTHWEST FDN FOR RES & EDUC, P O BOX 28147, SAN ANTONIO, TEX. Larval schistosomes—Characterization and development (snails, hamsters).
- R01AI-11150-02 (TMP) WILLIAMS, ROGER W, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Characterization of matrone, an insect sterilant.
- R01AI-11152-01 (VR) TUVESON, ROBERT W, UNIVERSITY OF ILLINOIS, 297 MORRILL HALL, URBANA, ILL. Viruses and maternal inheritance in Neurospora crassa.
- R01AI-11160-07 (SSS) WINTER, ALEXANDER J, NEW YORK STATE VETERINARY COLL, CORNELL UNIVERSITY, ITHACA, N Y. Venereal disease in animal models (cattle, guinea pigs).
- R01AI-11161-03 (BM) PANOS, CHARLES, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA. L-forms of group A, beta hemolytic streptococci.
- R01AI-11164-02 (SSS) UHR, JONATHAN W, UNIVERSITY OF TEXAS, SOUTHWESTERN MEDICAL SCHOOL, DALLAS, TEX. Biosynthesis of immunoglobulins (mice).
- R01AI-11165-02 (MCHB) ANRAR, MICHAEL, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Immunological assay using mass spectrometric analysis.
- R01AI-11168-03 (CDC) GOLDBERG, IVAN D, UNIV OF KANSAS MEDICAL CENTER, 39TH & RAINBOW BLVD, KANSAS CITY, KANS. A genetic approach to the study of N gonorrhoeae (human).
- R01AI-11170-03 (MBC) PANOS, CHARLES, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA. Lipid components of cell membranes of microorganisms (bacteria).
- R01AI-11171-02 (BM) MC CARTHY, CHARLOTTE M, NEW MEXICO STATE UNIV, BIOLOGY DEPT, BOX 3AF, LAS CRUCES, N MEX. Cellular division in Mycobacterium avium.
- R01AI-11173-02 (VR) ISRAEL, J VANCE, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIO, AUGUSTA, GA. Phage P22—in vitro assembly and mode of attachment.
- R01AI-11175-01 (MAB) LINDQUIST, RICHARD R, UNIVERSITY OF CONNECTICUT, HEALTH CENTER, FARMINGTON, CONN. Regulation of graft versus host reactions (rats).
- R01AI-11183-02 (ALY) SERCARZ, ELLI E, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, LOS ANGELES, CALIF. Antigen-binding cells of multiple specificity (mice, rabbits).
- R01AI-11187-02 (BM) SWANSON, JOHN L, UNIVERSITY OF UTAH, DEPT OF PATHOLOGY, SALT LAKE CITY, UTAH. Streptococci.
- R01AI-11192-02 (TMP) SUMMERS, MAX D, UNIVERSITY OF TEXAS, CELL RESEARCH INSTITUTE, AUSTIN, TEX. Infection of mosquitoes—Arboviruses.
- R01AI-11194-01 (ALY) PICK, EDGAR, TEL-AVIV UNIVERSITY, DEPT OF HUMAN MICROBIOLOGY, RAMAT-AVIV, TEL-AVIV, ISRAE. Mechanism and action of macrophage (MF) (guinea pigs).
- R22AI-11196-02 (BM) SMITH, HARRY L, JR, 1020 LOCUST STREET, PHILADELPHIA, PA. Effects of intestinal milieu on cholera enterotoxin (rabbits).
- R01AI-11199-02 (BM) KAYE, DONALD, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Bacterial interference in gonorrhoea (human).
- R01AI-11201-02 (TMP) EDMAN, JOHN D, FLORIDA DIVISION OF HEALTH, BOX 520, ENTOMOLOG RES, VERO BEACH, FLA. Mosquito-host interrelationships (birds, rabbits, rodents).
- R01AI-11202-02 (MAB) ISHIZAKA, KIMASHIGE, GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BLVD, BALTIMORE, MD. Regulation of reaginic antibody response (mice, rabbits).
- R22AI-11204-01 (BM) KIRCHHEIMER, WALDEMAR F, UNITED STATES PUB HLTH SERV, CARVILLE, LA. Establishing nine-banded armadillos in leprosy research.
- R01AI-11217-02 (VR) WALKER, DUARD L, UNIVERSITY OF WISCONSIN, 470 NORTH CHARTER STREET, MADISON, WIS. A new human papova virus (hamsters, guinea pigs, rabbits).
- R01AI-11218-02 (BM) DE MOSS, RALPH D, UNIVERSITY OF ILLINOIS, DEPARTMENT OF MICROBIOLOGY, URBANA, ILLINOIS. Commensal metabolic interactions.
- R01AI-11219-02 (BBCB) ROSSMANN, MICHAEL G, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Structure of a small spherical virus.
- R01AI-11231-01 (MCHA) CORY, MICHAEL J, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Synthesis of complement inhibitors.
- R01AI-11232-01 (MCHA) WHITLOCK, HOWARD W, JR, UNIVERSITY OF WISCONSIN, 1101 UNIVERSITY AVENUE, MADISON, WIS. Biological modification of the ansamycins.
- R01AI-11233-02 (MCHB) CAREY, SUSAN T, NEW YORK BOTANICAL GARDEN, BRONX, N Y. Antibiotics from pyrenomyces.
- R01AI-11234-02 (ALY) KNIGHT, KATHERINE L, UNIVERSITY OF ILLINOIS, 835 SOUTH WOLCOTT, CHICAGO, ILL. Structure and genetic control of rabbit IgA.
- R01AI-11238-01 (BM) MC CALLUM, RODERICK E, UNIVERSITY OF OKLAHOMA, 800 NE 13TH ST, P O BOX 26901, OKLAHOMA CITY, OKLA. Carbohydrate loss during experimental endotamiasis (mice).
- R01AI-11240-02 (BM) CAMPBELL, PRISCILLA A, NATIONAL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Cell biology of the immune response to bacteria (mice).
- R01AI-11241-02 (BM) MARTINEZ, RAFAEL J, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, LOS ANGELES, CALIF. Biochemical tissue necrosis by Clostridium histolyticum (mice, rabbits).
- R01AI-11250-02 (VR) HANSON, ROBERT P, UNIVERSITY OF WISCONSIN, 1655 LINDEN DRIVE, MADISON, WIS. Transmissible spongiform encephalopathies (mice, monkeys).
- R22AI-11253-02 (VR) DIERKS, RICHARD E, IOWA STATE UNIVERSITY, COLLEGE OF VETERINARY MED, AMES, IOWA. Epidemiological studies of latent rabies infections (rodents, carnivores).
- R01AI-11254-01 (TMP) PLATZER, EDWARD G, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF NEMATOLOGY, RIVERSIDE, CALIF. Folate metabolism in malarial parasites (rats, ducks).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1AI-11255-01 (VR) DORSETT, PRESTON H, UNIVERSITY OF TENNESSEE, 858 MADISON AVENUE, MEMPHIS, TENN. Characterization of the rubella virus proteins (rabbits).
- RO1AI-11256-01 (SSS) SCHEIN, RICHARD D, 109 CARNEGIE BUILDING, THE PENNSYLVANIA STATE UNIV, UNIVERSITY PARK, PA. Eastern US aeroallergens (fungi, pollens).
- RO1AI-11263-02 (VR) LEIBOWITZ, ROBERT D, BROWN UNIVERSITY, BOX G, PROVIDENCE, R. I. Sindbis virus growth and alteration of cell membranes.
- RO1AI-11265-02 (VR) UEBHABER, HARVEY, JEWISH HOSPITAL, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Etiology of viral hepatitis (human, goats, guinea pigs).
- RO1AI-11269-01 (TMP) KUNKEL, JOSEPH G, UNIVERSITY OF MASSACHUSETTS, ZOOLOGY DEPARTMENT, AMHERST, MASS. Control of cockroach development.
- RO1AI-11270-01 (VR) SIMON, EDWARD H, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCI, WEST LAFAYETTE, IND. Interferon-Production and action in single cells.
- RO1AI-11271-02 (BM) YOUNG, LOWELL S, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Prospective study of host factors in bacteremia (human).
- RO1AI-11272-02 (VR) CARTER, WILLIAM A, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Human interferon-Induction and structure.
- RO1AI-11277-02 (TMP) HUGHES, WALTER T, ST JUDE CHILDREN'S RES HOSP, 332 NORTH LAUDERDALE, BOX 318, MEMPHIS, TENN. Cultivation of *Pneumocystis carinii* from cancer patients (rats, rabbits).
- RO1AI-11278-02 (BM) FINKELSTEIN, RICHARD A, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Pathogenesis and immunology of *Neisseria gonorrhoea* (rabbits).
- RO1AI-11280-01 (ALY) JOHNSON, ANDREW M, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PEDIATRICS, CHAPEL HILL, N. C. Genetic antiprotease variants in disease (human).
- RO1AI-11281-01 (ALY) LEVY, DAVID A, DEPTS RADIOLOGICAL SCI & EPI, 615 NORTH WOLFE STREET, BALTIMORE, MD. Allergic mechanisms with mastocytoma cells (mice).
- RO1AI-11283-02 (BM) BASEMAN, JOEL B, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N. C. Growth and metabolism of virulent *Treponema pallidum* (rabbits).
- RO1AI-11284-02 (BM) NICHOLS, ROGER L, HARVARD SCH OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Chick embryo as an animal model for gonorrhoea (human).
- R22AI-11289-02 (TMP) COLLEY, DANIEL G, VETERANS ADMINISTRATION HOSP, 1310-24TH AVENUE, SOUTH, NASHVILLE, TENN. Immunologic responses to *Schistosoma mansoni* (mice, rabbits).
- RO1AI-11292-01 (TMP) TIPTON, VERNON J, BRIGHAM YOUNG UNIVERSITY, 785 WIDB, PROVO, UTAH. Fleas of North America-Ecology and systematics.
- RO1AI-11297-02 (ABC) TAKAYAMA, KUNIKI K, VETERANS ADMINISTRATION HOSP, TUBERCULOSIS RESEARCH LAB, MADISON, WIS. Mechanism of action of isoniazid on tubercle bacillus.
- RO1AI-11298-01 (ABC) SHUSTER, CHARLES W, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Regulation of cell wall growth.
- RO1AI-11301-02 (PC) CONWAY, THOMAS W, UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Protein synthesis in T-4 bacteriophage-infected cells (E coli).
- RO1AI-11304-01 (BM) NOBLE, ROBERT C, DEPARTMENT OF MEDICINE, U OF KENTUCKY MEDICAL SCHOOL, LEXINGTON, KY. Classification of gonococci and antigen analysis.
- RO1AI-11305-02 (BM) MUSHER, DANIEL M, VETERANS ADMINISTRATION HOSP, 2002 HOLCOMBE BLVD, HOUSTON, TEX. Cell-associated immunity in human syphilis.
- PO1AI-11313-02 (SSS) MC DEVITT, HUGH O, STANFORD UNIVERSITY, DEPARTMENT OF MEDICINE, STANFORD, CALIF. Humoral, cellular and genetic mechanisms in autoimmunity.
- PO1AI-11313-02 0001 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-information handling in clinical research (human).
- PO1AI-11313-02 0002 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Response to therapy of systemic lupus erythematosus and related diseases (human).
- PO1AI-11313-02 0003 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Circulating DNA in systemic lupus erythematosus and nephritis (human).
- PO1AI-11313-02 0004 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Circulating antigen-antibody complexes in systemic lupus erythematosus (human).
- PO1AI-11313-02 0005 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Histocompatibility-linked immune response genes in man.
- PO1AI-11313-02 0006 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Correlation of histocompatibility, immune response, and susceptibility (human).
- PO1AI-11313-02 0007 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Numbers and functional state of T and B lymphocytes in patients.
- PO1AI-11313-02 0008 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Soluble transplantation antigens in allogeneic bone marrow transplantation (mice).
- PO1AI-11313-02 0009 (SSS) MCDEVITT, HUGH O. Humoral, cellular and genetic mechanisms in autoimmunity-Viruses in pathogenesis of systemic lupus erythematosus (human).
- RO1AI-11318-01 (ABC) GREEN, DONALD M, BIOCHEMISTRY DEPARTMENT, UNIV OF NEW HAMPSHIRE, DURHAM, N. H. Early extracellular events in DNA infection (bacteria).
- RO1AI-11323-02 (GEN) SHUB, DAVID A, S U N Y AT ALBANY, 1400 WASHINGTON AVENUE, ALBANY, N. Y. Regulation of development of bacteriophage SP01 (bacteria).
- RO1AI-11325-02 (VR) JOHNSON, F BRENT, BRIGHAM YOUNG UNIVERSITY, DEPT OF MICROBIOL, 775 WIDB, PROVO, UTAH. Molecular interrelationships among AAV proteins (guinea pigs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1AI-11326-02 (MAB) BASCH, ROSS S, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Development of thymic lymphocytes (mice).
- RO1AI-11327-01 (MAB) BYRD, WILLIAM J, SALK INST FOR BIOL STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Isolation of a T-cell substitute from fetal sera (mice).
- RO1AI-11330-02 (MAB) NISONOFF, ALFRED, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. Immunosuppression of idiotypic specificities (mice, rabbits).
- RO1AI-11333-02 (ALY) NAFF, GEORGE B, LAKESIDE HOSPITAL, 2065 ADELBERT ROAD, ROOM 3128, CLEVELAND, OHIO. Characterization of the propeptin system (human).
- RO1AI-11334-02 (ALY) LICHTENSTEIN, LAWRENCE M, GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BOULEVARD, BALTIMORE, MD. Pharmacologic control of hypersensitivity phenomena (human, monkeys, mice).
- RO1AI-11335-03 (ALY) POULIK, MIROSLAV D, WILLIAM BEAUMONT HOSPITAL, 3601 WEST THIRTEEN MILE ROAD, ROYAL OAK, MICH. Urinary protein components diagnostic and theoretical studies (human, dogs).
- RO1AI-11337-02 (BM) IGLEWSKI, BARBARA H, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK ROAD, PORTLAND, OREG. Control of toxin production in viral-infected cells.
- R22AI-11338-02 (TMP) GUBLER, DUANE J, UNIVERSITY OF HAWAII, 3675 KILAUEA AVENUE, HONOLULU, HAWAII. Susceptibility and resistance of mosquitoes to dengue.
- RO1AI-11344-02 (VR) HERSKOWITZ, IRA, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG. Phage-host interactions and control of phage growth.
- RO1AI-11344-02 (GEN) IMSANDE, JOHN, IOWA STATE UNIVERSITY, DEPARTMENT OF GENETICS, AMES, IOWA. Regulation of gene expression (bacteria).
- RO1AI-11351-02 (MBC) WAWSZKIEWICZ, EDWARD J, UNIVERSITY OF ILLINOIS, P O BOX 6998, CHICAGO, ILL. Structure and function of the water-soluble pacifarins (mice, bacteria).
- RO1AI-11359-01 (BM) FEKETY, F ROBERT, JR, UNIVERSITY OF MICHIGAN, 1405 EAST ANN STREET, ANN ARBOR, MICH. Experimental bacterial endocarditis (rabbits).
- RO1AI-11361-02 (TMP) CASTRO, GILBERT A, UNIVERSITY OF TEXAS, FREEMAN BUILDING 229, HOUSTON, TEX. Physiologic basis of immunity in trichinosis (rats, guinea pigs).
- RO1AI-11363-02 (BM) MC CORMACK, WILLIAM M, BOSTON CITY HOSPITAL, 774 ALBANY STREET, BOSTON, MASS. Mycoplasmas in venereal infections (human).
- R22AI-11365-02 (BM) GORBACH, SHERWOOD L, VETERANS ADMINISTRATIONS HOSP, 16111 PLUMMER, SEPULVEDA, CALIF. Cholera-like toxigenic coliform diarrhea in children.
- RO1AI-11366-02 (BM) SINSKI, JAMES T, UNIVERSITY OF ARIZONA, DEPT OF MICROBIOL/MED TECH, TUCSON, ARIZ. Cell response to coccidioidal antigens (guinea pigs).
- RO1AI-11369-02 (TMP) DUSANIC, DONALD G, INDIANA STATE UNIVERSITY, DEPT OF LIFE SCIENCES, TERRE HAUTE, IND. Metabolic and immunophysiological studies on *Trypanosoma lewisi* (rats).
- R22AI-11373-02 (TMP) DAVIS, GEORGE M, ACADEMY OF NATURAL SCIENCES, 19TH & THE PARKWAY, PHILADELPHIA, PA. Analysis of molluscan and SE Asian schistosomiasis.
- RO1AI-11377-01 (VR) SCHLESINGER, SONDRRA, WASHINGTON UNIVERSITY, DEPT OF MICROBIOLOGY BOX 8093, ST LOUIS, MO. Structure and replication of enveloped RNA viruses.
- PO1AI-11378-02 (SSS) EDELMAN, GERALD M, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N. Y. Cell biology and chemistry of lymphocytes and lymphocyte products.
- PO1AI-11378-02 0001 (SSS) EDELMAN, GERALD M. Cell biology and chemistry of lymphocytes and lymphocyte products-Quantitation of clonal selection (mice).
- PO1AI-11378-02 0002 (SSS) CUNNINGHAM, BRUCE A. Cell biology and chemistry of lymphocytes and lymphocyte products-Mitogenesis and cell surface mapping.
- PO1AI-11378-02 0003 (SSS) PETERSON PER A. Cell biology and chemistry of lymphocytes and lymphocyte products-Isolation and characterization of cell surface antigens (human, mice).
- PO1AI-11378-02 0005 (SSS) REEKE, GEORGE N. Cell biology and chemistry of lymphocytes and lymphocyte products-Analysis of immunoglobulins, lectins, and their interaction with cell membranes.
- RO1AI-11383-02 (TMP) DICKERMAN, ROBERT W, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Neotropical bats and encephalitis arboviruses.
- RO1AI-11384-02 (MAB) WEISER, RUSSELL S, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MICROBIOLOGY, SEATTLE, WASH. Immunity in experimental syphilis (rabbits, guinea pigs).
- RO1AI-11386-01 (TMP) HIRMAN, ROBERT, RUTGERS COLLEGE, DEPT OF ZOOLOGY, NEW BRUNSWICK, N. J. Immunological aspects of rodent malaria (mice, rats).
- RO1AI-11388-03 (ALY) LEON, MYRON A, SAINT LUKES HOSPITAL, 11311 SHAKER BLVD, CLEVELAND, OHIO. Myeloma proteins, immunochemistry and immunobiology (human).
- RO1AI-11392-01 (COM) ROSEN, GERALD H, DREXEL UNIVERSITY, 32ND & CHESTNUT STREETS, PHILADELPHIA, PA. Bacterial migration in chemotaxis.
- RO1AI-11396-01 (BM) NELSON, JOHN D, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Enteroinvasive and enterotoxigenic E coli diarrheas (human, mice, rabbits).
- RO1AI-11399-01 (MCHB) NIEBERGALL, PAUL J, PHILADELPHIA COLL PHARM & SCI, 43 ST & KINGSESSING AVE, PHILADELPHIA, PA. Metal binding-Drug allergenicity and effectiveness.
- P15AI-11403-02 (SRC) PATTERSON, ROY, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Allergic diseases center grant.
- P15AI-11403-02 0001 (SRC) PATTERSON, ROY. Allergic diseases center grant-Immunotherapy with polymerized ragweed antigen E (human).
- P15AI-11403-02 0002 (SRC) PATTERSON, ROY. Allergic diseases center grant-Application of radioimmunoassay to immediate-type hypersensitivity (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P15AI-11403-02 0003 (SRC) PATTERSON, ROY. Allergic diseases center grant-Radioimmunoassay in diagnosis of hypersensitivity lung disease (human).
- P15AI-11403-02 0004 (SRC) PATTERSON, ROY. Allergic diseases center grant-Relationship between IgE and atopic dermatitis and chronic urticaria (human).
- P15AI-11403-02 0005 (SRC) PATTERSON, ROY. Allergic diseases center grant-Relationship between IgE mediated respiratory disease and renal disease (human).
- P15AI-11403-02 0006 (SRC) PATTERSON, ROY. Allergic diseases center grant-Immunologic characteristics of cells and serum of allergic patients.
- R01AI-11405-02 (ALY) SELA, MICHAEL, WEIZMANN INSTITUTE OF SCIENCE, REHOVOT, ISRAEL. Synthetic antigens (rodents, goats).
- R01AI-11413-02 (BM) ZUBRZYCKI, LEONARD J, TEMPLE UNIVERSITY, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Multiple drug resistance of *Neisseria gonorrhoeae*.
- R22AI-11416-02 (BM) DONTA, SAM T, UNIVERSITY OF IOWA, DEPARTMENT OF MEDICINE, IOWA CITY, IOWA. Cholera toxin and adrenal cells in tissue culture.
- R01AI-11419-01 (ALY) COLTEN, HARVEY R, CHILDRENS HOSPITAL MEDICAL CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Complement and non-complement dependent immediate hypersensitivity (rats, human).
- R01AI-11420-01 (ALY) STAVITSKY, ABRAM B, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Regulation of humoral immunity (rabbits).
- R01AI-11427-01 (VR) WILHELM, JAMES M, UNIV OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Virus replication and transformation.
- R01AI-11428-01 (VR) MACDONALD, ROBERT C, NORTHWESTERN UNIVERSITY, DEPARTMENT OF BIOLOGICAL SCIENCES, EVANSTON, ILL. Membranes and the action of viruses.
- R01AI-11430-01 (VR) HILLIS, WILLIAM D, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Viral etiology of human renal disease.
- R01AI-11435-02 (BM) SPENDLOVE, REX S, UTAH STATE UNIVERSITY, DEPT OF BACT & PUB HLTH, LOGAN, UTAH. Effect of zwitterionic buffers on mycoplasma growth.
- R01AI-11438-02 (IAB) RAVIOLA, EILJO, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Ultrastructural aspects of cellular immunity (mice).
- R01AI-11439-01 (IAB) KINDT, THOMAS J, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N. Y. Genetic components of the immune response (rabbits).
- R01AI-11440-02 (TMP) MC FADDEN, BRUCE A, WASHINGTON STATE UNIVERSITY, DEPT OF CHEMISTRY, PULLMAN, WASH. Function of isocitrate lyase in parasitic helminths.
- R01AI-11453-02 (ALY) GIVOL, DAVID, WEIZMANN INSTITUTE OF SCIENCE, DEPT OF CHEMICAL IMMUNOLOGY, REHOVOT, ISRAEL. The variable fragment (FV) of antibodies (human, mice).
- R01AI-11456-02 (MBC) CURTISS, ROY, 3D, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Extrachromosomal elements in gram negative bacteria (mice).
- R01AI-11459-02 (VR) FRIEDMAN, DAVID I, UNIVERSITY OF MICHIGAN, 6722 MEDICAL SCIENCE II, ANN ARBOR, MICH. Host and viral influences phage lambda and P1 development.
- R01AI-11462-01 (BM) TWAROG, RONALD, DEPT OF BACTERIOLOGY & IMMUN, UNIV OF N CAROLINA SCH OF MED, CHAPEL HILL, N. C. Comparative immunology of related *Moraxella* proteins.
- R01AI-11466-02 (IAB) HARRIS, T N, CHILDREN'S HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Immunobiology of allograft rejection in mouse.
- R01AI-11470-01 (VR) ROSENKRANZ, HERBERT S, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N. Y. Role of RNA in DNA viruses.
- R01AI-11471-02 (IAB) KETCHUM, MELVIN M, OAK RIDGE ASSOCIATED UNIV, POST OFFICE BOX 117, OAK RIDGE, TENN. Antigen expression on tumor cells (mice).
- R01AI-11472-01 (PTHB) HIRSCHMAN, SHALOM Z, MOUNT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Hepatitis associated antigen (human, mice, rats, hamsters).
- R22AI-11478-02 (MBC) HOLMES, RANDALL K, TEXAS U SOUTHWESTERN MED SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Control of bacterial toxins by viruses and plasmids (mice, rabbits).
- R01AI-11479-02 (MBC) KHORANA, HAR G, MASSACHUSETTS INSTITUTE TECH, 77 MASSACHUSETTS AVE., CAMBRIDGE, MASS. Bacterial membranes.
- R01AI-11482-01 (TMP) RADOVSKY, FRANK J, B P BISHOP MUSEUM, P O BOX 6037, HONOLULU, HAWAII. Ectoparasites of the Papuan subregion.
- P15AI-11483-02 (MBC) GLEICH, GERALD J, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Allergic disease center program grant (human, guinea pigs).
- R01AI-11486-01 (TMP) JAMIEL, RENE I, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Growth of mammalian plasmodia in liver cell cultures (mice, rats, mosquitoes).
- R01AI-11490-01 (MCHA) PAQUETTE, LEO A, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Polycondensed alicyclics and their antiviral role.
- R01AI-11493-02 (ALY) PATTERSON, RONALD J, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Immunoglobulin synthesis in myeloma cells.
- R01AI-11502-02 (MBC) LAWTON, ALEXANDER R, 3D, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Differentiation of B-lymphocytes (mice, rabbits).
- R01AI-11506-01 (MBC) CIRILLO, VINCENT P, S U N Y-AT STONY BROOK, DEPT OF BIOCHEMISTRY, STONY BROOK, N. Y. PTS-mediated sugar transport in mycoplasmas.
- R01AI-11508-02 (TMP) ITO, SUSUMU, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Ultrastructure of rickettsiae in lice and fleas (mice, chick embryo, rabbits).
- R01AI-11513-01 (VR) PIERSON, STANLEY, PENNSYLVANIA STATE UNIV, 618 LIFE SCIENCES BUILDING, UNIVERSITY PARK, PA. The mechanism of virus induced cell fusion.
- R01AI-11516-01 (MBC) LOPER, JOHN C, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Frameshift mutagenesis in *Salmonella typhimurium*.
- R01AI-11517-02 (MBC) SZER, WLODZIMIERZ, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Action of edeine on macromolecular synthesis.
- R01AI-11518-01 (MBC) COHEN, PAUL S, UNIV OF RHODE ISLAND, 204 MORRILL HALL, KINGSTON, R. I. Functional viral mRNA made without protein synthesis.
- R01AI-11519-02 (MBC) STERNGLANZ, ROLF, S U N Y - STONY BROOK, BIOCHEMISTRY DEPARTMENT, STONY BROOK, N. Y. Bacterial and mammalian DNA replication.
- R01AI-11526-01 (ALY) WARD, PETER A, UNIVERSITY OF CONN, DEPARTMENT OF PATHOLOGY, FARMINGTON, CONN. Chemotactic factor inactivator and pulmonary emphysema (human).
- R01AI-11527-01 (ALY) MORGAN, PAUL H, COLLEGE OF MEDICINE, UNIV OF SOUTH ALABAMA, MOBILE, ALA. Activation of the first components of complement.
- R22AI-11532-01 (BM) STORRS, ELEANOR E, GULF SOUTH RESEARCH INSTITUTE, POST OFFICE BOX 1177, NEW IBERIA, LA. Leprosy in the armadillo.
- R01AI-11536-02 (TMP) WINSOR, ELSA, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Influence of antibodies of amebic disease (guinea pigs).
- R22AI-11540-02 (TMP) RUDNICK, ALBERT, UNIVERSITY OF CALIFORNIA, THIRD AVENUE & PARNASSUS, SAN FRANCISCO, CALIF. The forest cycles of dengue in Malaysia (mice, monkeys, mosquitoes).
- R01AI-11547-02 (VR) THOMPSON, WAYNE H, ZOONOSES RESEARCH UNIT, 465 HENRY MALL, MADISON, WIS. La Crosse arbovirus studies in forested areas, (mosquitoes, rodents).
- R01AI-11550-02 (ALY) ABRAHAM, GEORGE N, UNIVERSITY OF ROCHESTER, 52 LINDEN ST, ROCHESTER, N. Y. Structural studies of human monoclonal autoantibodies.
- R01AI-11552-02 (BM) NOLAN, JAMES P, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N. Y. Endotoxin in acute and chronic liver injury (human, rats).
- R01AI-11556-02 (BM) MASON, DAVID L, WITTENBERG UNIVERSITY, DEPARTMENT OF BIOLOGY, SPRINGFIELD, OHIO. Fungal lysosomes-Their occurrence and function.
- R01AI-11558-01 (IAB) KAPPLER, JOHN W, ASST PROF OF MICROBIOLOGY, UNIVERSITY OF ROCHESTER, ROCHESTER, N. Y. Regulatory mechanisms in the immune response (mice).
- R01AI-11560-01 (IAB) TOKUDA, SEI, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N. MEX. Immunobiology of the H-Y (male) antigenic system (mice).
- R01AI-11564-02 (MBC) HARSHMAN, SIDNEY, DEPARTMENT OF MICROBIOLOGY, VANDERBILT UNIVERSITY, NASHVILLE, TENN. Alpha toxin-Chemistry and action on membranes (bacteria, mammals).
- R01AI-11569-02 (HEM) SPRINGER, GEORGE F, EVANSTON HOSPITAL, 2650 RIDGE AVENUE, EVANSTON, ILL. Nature and function of shock receptors of white cells (human, sheep, rabbits).
- R01AI-11572-02 (VR) HALL, TIMOTHY C, UNIVERSITY OF WISCONSIN, DEPT OF HORTICULTURE, MADISON, WIS. Infective role of amino acid binding by viral RNA.
- R01AI-11573-02 (BBCA) SCHUSTER, TODD M, UNIVERSITY OF CONNECTICUT, BOX U-125, STORRS, CONN. Biophysical studies of virus assembly.
- P01AI-11576-02 (SSS) BACH, FRITZ H, UNIV OF WISCONSIN, ROOM 418 GENETICS BLDG, MADISON, WIS. Lymphocyte biology.
- P01AI-11576-02 0001 (SSS) BACH, FRITZ H. Lymphocyte biology-In vitro studies of cellular immunity (human, mice).
- P01AI-11576-02 0002 (SSS) KASPER, CHARLES B. Lymphocyte biology-Lymphocyte membranes (mice).
- P01AI-11576-02 0003 (SSS) NOWINSKI, ROBERT. Lymphocyte biology-Genetic and serologic aspects of virus-lymphocyte interactions (mice).
- P01AI-11576-02 0004 (SSS) AUERBACH, ROBERT. Lymphocyte biology-Developmental studies (mice).
- P01AI-11576-02 0005 (SSS) HONG, RICHARD. Lymphocyte biology-Clinical studies (human).
- P01AI-11576-02 0006 (SSS) DEMARS, ROBERT I. Lymphocyte biology-Lymphoblastoid cell lines (human, mice).
- P01AI-11576-02 0007 (SSS) RIS, HANS. Lymphocyte biology-Electron microscopy.
- R01AI-11577-02 (VR) KUTTER, ELIZABETH M, EVERGREEN STATE COLLEGE, OLYMPIA, WASH. DNA regulation during T4 infection of *E. coli*.
- R01AI-11583-02 (CDC) O'MEARA, GEORGE F, ENTOMOLOGICAL RESEARCH CENTER, POST OFFICE BOX 520, VERO BEACH, FLA. Population biology of salt marsh mosquitoes.
- R01AI-11584-02 (BM) SANDERS, W EUGENE, JR, CREIGHTON UNIVERSITY, 2500 CALIFORNIA STREET, OMAHA, NEBR. Prevention of pyrogenic infections (human).
- R01AI-11593-02 (VR) GOCKE, DAVID J, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N. J. Viral hepatitis-Role of Australia antigen and other agents, (human).
- R01AI-11595-01 (IAB) DIENER, ERWIN, UNIVERSITY OF ALBERTA, DEPT OF PATHOLOGY, EDMONTON, CANADA. Antigen recognition mechanisms and immune induction.
- R01AI-11598-01 (ALY) KARAKAWA, WALTER W, PENNSYLVANIA STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, UNIVERSITY PARK, PA. Surface antigens in Staphylococcal infections (mice, rabbits).
- R01AI-11606-02 (TMP) ZIMMERMANN, WILLIAM J, IOWA STATE UNIVERSITY, VETERINARY MED RES INST, AMES, IOWA. Immunodiagnosis of trichiniasis (swine).
- R01AI-11607-01 (MCHA) HEATHCOCK, CLAYTON H, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Synthesis of macrocyclic lactones.
- R01AI-11608-01 (MCHB) EVERETT, GROVER W, JR, UNIVERSITY OF KANSAS, DEPARTMENT OF CHEMISTRY, LAWRENCE, KANS. Metal binding in tetracycline antibiotics.
- R01AI-11610-01 (BM) LARSH, HOWARD W, UNIVERSITY OF OKLAHOMA, 770 VAN VLEET OVAL, NORMAN, OKLA. Isolation of a skin test antigen for blastomycosis (guinea pigs).
- R01AI-11611-01 (SSS) HORSTMANN, DOROTHY M, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Clinical virology of Epstein-Barr virus infections (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1A1-11614-01 (VR) ROCZYNSKY, OLGA M, PUB HLTH RES INST - C U N Y, 455 FIRST AVENUE, NEW YORK, N Y. Influenza viral RNA and protein synthesis in vitro.
- RO1A1-11616-01 (TMP) MORERA, PEDRO, POST OFFICE BOX 2117, SAN JOSE, COSTA RICA. Abdominal angiostrongylosis (rodents, molluscs).
- RO1A1-11621-01 (IAB) MOTICKA, EDWARD J, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Controlling role of thymocytes in antibody synthesis (chickens).
- RO1A1-11622-01 (TMP) HILL, GEORGE C, COLORADO STATE UNIVERSITY, DEPT OF PATHOLOGY, FORT COLLINS, COLORADO. The function of mitochondria in trypanosomes.
- RO1A1-11623-01 (IAB) MAY, CHARLES D, NATIONAL JEWISH HOSPITAL, 3800 EAST COLFAX AVENUE, DENVER, COLO. Objective detection of allergic reactions to foods (human).
- RO1A1-11625-01 (IAB) JUTILA, JOHN W, MONTANA STATE UNIVERSITY, DEPT OF BOTANY & MICROBIOLOGY, BOZEMAN, MONT. Medical significance of anti-Ig immunosuppression.
- RO1A1-11629-01 (MCHA) WINDRIDGE, GRAHAM C, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Polymyxin analogs (mice).
- RO1A1-11630-01 (IAB) KETTMAN, JOHN R, JR, SOUTHWESTERN MEDICAL SCHOOL, DEPT OF MICROBIOLOGY, DALLAS, TEX. Relation of humoral and cell mediated immunities.
- RO1A1-11633-01 (VR) GODSON, GODFREY N, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. DNA replication in small viruses, in vivo /in vitro.
- RO1A1-11635-01 (IAB) DAVIE, JOSEPH M, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. Role of T cells in B cell differentiation.
- RO1A1-11636-01 (BT) COHEN, SEYMOUR S, UNIVERSITY OF COLORADO, 4200 E NINTH AVENUE, DENVER, COLO. Normal and virus-infected animal cells.
- RO1A1-11637-01 (BM) WINKELSTEIN, JERRY A, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Heat labile opsonin and sickle cell disease (human, guinea pigs).
- RO1A1-11639-01 (PTHA) NICHOLS, BARBARA A, UNIVERSITY OF CALIFORNIA, THIRD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Mononuclear phagocytes in pathologic status (rabbits, rats, bacteria).
- RO1A1-11641-01 (BM) DAVIS, STARKEY D, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Pseudomonas chemotherapy-Antagonism by cations (mice, guinea pigs).
- RO1A1-11643-01 (BM) BRAUDE, ABRAHAM I, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Gonococcal infection (women).
- RO1A1-11644-01 (BM) DUNCAN, JAMES L, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Streptolysin O action on mammalian cell membranes.
- R22A1-11645-01 (TMP) MALIK, EMILE A, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Malacological studies in Louisiana and Texas.
- RO1A1-11648-01 (GEN) SURZYCKI, STEFAN J, UNIVERSITY OF IOWA, BOTANY DEPARTMENT, IOWA CITY, IOWA. Adenovirus gene expression in vitro and in vivo (E coli).
- RO1A1-11630-01 (GBN) KLEIN, JAN, UNIVERSITY OF TEXAS, DEPARTMENT OF MICROBIOLOGY, DALLAS, TEX. Immunology and genetics of the H-2 system (mice).
- RO1A1-11636-01 (PTHA) DAVIS, RICHARD L, UNIV OF SOUTHERN CALIFORNIA, 1200 NORTH STATE STREET, LOS ANGELES, CALIF. Ultrastructural studies of C-virus murine myelopathy.
- RO1A1-11658-01 (VR) RADLOFF, ROGER J, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF MICROBIOLOGY, ALBUQUERQUE, N MEX. Polypeptide cleavage during EMC virus synthesis.
- RO1A1-11661-01 (IAB) COHEN, J JOHN, UNIVERSITY OF COLORADO, 4200 E NINTH AVENUE, DENVER, COLO. Subpopulations of thymus-derived lymphocytes.
- RO1A1-11662-01 (MCHA) BOECKMAN, ROBERT K, JR, WAYNE STATE UNIVERSITY, 277 CHEMISTRY BUILDING, DETROIT, MICH. Approaches to the synthesis of the sesterterpenes.
- RO1A1-11664-01 (TMP) LEAHY, SISTER GERALD, MOUNT ST MARY'S COLLEGE, 12001 CHALON ROAD, LOS ANGELES, CALIF. Reproductive physiology of mosquitoes and ticks.
- RO1A1-11673-01 (TMP) ILAN, JUDITH, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Effect of drugs on Plasmodium berghei (mice).
- RO1A1-11674-01 (VR) EASTERDAY, BERNARD C, UNIVERSITY OF WISCONSIN, 1655 LINDEN DRIVE, MADISON, WIS. Recombinant influenza virus infections in animals (turkeys, swine).
- RO1A1-11675-01 (TMP) TURNER, E CRAIG, JR, VA POLYTECHNIC INST-STATE UNIV, PRICE HALL, BLACKSBURG, VA. Blesystematics of immature ceratopogonidae.
- RO1A1-11676-01 (VR) BLACK, LINDSAY W, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Phage T4 head assembly and initiation of infection.
- RO1A1-11687-01 (ALY) LUCAS, DAVID O, ARIZONA MEDICAL CENTER, DEPT OF MICROBIOLOGY, TUCSON, ARIZ. Interferon production by leukocytes (mice).
- RO1A1-11690-01 (MCHB) MACOMBER, ROGER S, UNIVERSITY OF CINCINNATI, DEPARTMENT OF CHEMISTRY, CINCINNATI, OHIO. Sterically hidden functional groups.
- RO1A1-11694-01 (IAB) SISKIND, GREGORY W, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Studies of antibody affinity on cellular level (mice).
- RO1A1-11703-01 (ALY) KOROS, AURELIA M, UNIVERSITY OF PITTSBURGH, DEPT OF MICROBIOLOGY, PITTSBURGH, PA. Regulation of DNA synthesis in antibody forming cells (mice).
- RO1A1-11709-01 (BM) YOUNG, FRANK B, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Biology of gonorrhoea.
- RO1A1-11712-01 (BM) GINOZA, WILLIAM, PENNSYLVANIA STATE UNIVERSITY, 618 LIFE SCIENCES BLDG I, UNIVERSITY PARK, PA. Degradation of T4 DNA occurring early in infection.
- RO1A1-11714-01 (VR) BURGER, DIETER, WASHINGTON STATE UNIVERSITY, VETERINARY MICROBIOLOGY, PULLMAN, WASH. Virus-antibody complexes and chromatography (mice).
- RO1A1-11717-01 (ALY) ABUJWISSEN, HILAIRE J, N Y STATE BIRTH DEFECTS INST, 120 NEW SCOTLAND AVENUE, ALBANY, N Y. Adenosine deaminase deficiency in immunological disease (human).
- RO1A1-11719-02 (ALY) ROCKEY, JOHN H, PRESBY-UNIV OF PENNSYLVANIA, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Multiple molecular forms of anti-hapten antibody (human, animals).
- RO1A1-11722-01 (VR) EMERSON, SUZANNE U, UNIVERSITY OF VIRGINIA, DEPARTMENT OF MICROBIOLOGY, CHARLOTTESVILLE, VA. Rhabdovirus transcription and replication.
- R22A1-11725-01 (TMP) BHALLA, SATISH C, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Genetic control of filariasis vectors (mosquitoes).
- RO1A1-11728-01 (MCHA) FLOSS, HEINZ G, PURDUE UNIVERSITY, SCH OF PHARM & PHARM SCI, WEST LAFAYETTE, IND. Biologically active microbial metabolites.
- RO1A1-11729-01 (ALY) ROCKLIN, ROSS B, ROBERT B BRIGHAM HOSPITAL, 125 PARKER HILL AVENUE, BOSTON, MASS. Mechanisms of cellular hypersensitivity in man (and guinea pigs).
- RO1A1-11730-01 (GBN) MAGEE, PAUL T, YALE SCHOOL OF MEDICINE, 310 CEDAR STREET, NEW HAVEN, CONN. Regulation of meiosis and ascus development in yeast.
- RO1A1-11732-01 (TMP) LAPP, DAVID F, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIO, AUGUSTA, GA. Trehalose metabolism in the parasitic nematode Ascaris.
- RO1A1-11735-01 (ALY) TAYLOR, RONALD P, UNIVERSITY OF VIRGINIA, DEPT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Quantitative studies of biological recognition (rabbits).
- RO1A1-11740-01 (TMP) MC DANIEL, IVAN N, UNIVERSITY OF MAINE, DEPT OF ENTOMOLOGY & CHEM, ORONO, MAINE. Oviposition attractants of Aedes triseriatus.
- RO1A1-11741-01 (VR) BUSSELL, ROBERT H, UNIVERSITY OF KANSAS, DEPT OF MICROBIOLOGY, LAWRENCE, KANS. Proteins of measles and canine distemper viruses.
- RO1A1-11742-01 (ALY) ABEL, CARLOS A, NATIONAL JEWISH HOSP & RES CTR, 3800 E COLFAX AVENUE, DENVER, COLO. Cell-cell interactions in the immune response (mice).
- RO1A1-11744-01 (MCHB) RAYMOND, KENNETH N, UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, BERKELEY, CALIF. Hydroxamate complexes in iron transport systems.
- R22A1-11751-01 (ALY) BOKISCH, VIKTOR A, SCRIPPS CLINIC AND RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIFORNIA. Complement activation in hemorrhagic shock syndrome (human).
- RO1A1-11752-01 (IAB) WARNER, CAROL M, IOWA STATE UNIVERSITY, 122 BEARDSHEAR HALL, AMES, IOWA. Immune response of allophenic mice.
- RO1A1-11756-10 (MBC) GILVARG, CHARLES, PRINCETON UNIVERSITY, FRICK LABORATORIES, PRINCETON, N J. Functions of the lysine pathway.
- RO1A1-11757-01 (ALY) HARRISON, DAVID E, JACKSON LABORATORY, BAR HARBOR, MAINE. Decline of immune response with age (mice).
- PO1A1-11759-01 (SRC) PATTERSON, BOY, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Clinical and laboratory studies relating to lung disease.
- PO1A1-11759-01 0002 (SRC) PATTERSON, ROY. Clinical and laboratory studies relating to lung disease-Radiimmunoassay as diagnostic aid in hypersensitivity lung disease (human).
- PO1A1-11759-01 0004 (SRC) PATTERSON, ROY. Clinical and laboratory studies relating to lung disease-Alveolar macrophages in hypersensitivity reactions of the lung (dogs).
- PO1A1-11759-01 0006 (SRC) PATTERSON, ROY. Clinical and laboratory studies relating to lung disease-Animal models of respiratory allergy (dogs, monkeys).
- PO1A1-11759-01 0007 (SRC) PATTERSON, ROY. Clinical and laboratory studies relating to lung disease-Immune response of the lung (monkeys, dogs).
- PO1A1-11759-01 0008 (SRC) PATTERSON, ROY. Clinical and laboratory studies relating to lung disease-Animal models of hypersensitivity lung disease (monkeys, dogs).
- PO1A1-11759-01 0009 (SRC) PATTERSON, ROY. Clinical and laboratory studies relating to lung disease-Pulmonary mast cells and basophils (monkeys, dogs).
- PO1A1-11759-01 0010 (SRC) PATTERSON, ROY. Clinical and laboratory studies relating to lung disease-Evaluation of tests for early airflow obstruction (human).
- RO1A1-11772-01 (VR) KRUG, ROBERT M, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Replication of influenza virus (rabbits).
- RO1A1-11779-01 (TMP) HAMBURGER, ROBERT M, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Mast cells and IgE in allergy and helminthiasis (human).
- RO1A1-11780-01 (IAB) SELL, STEWART, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF PATHOLOGY, LA JOLLA, CALIF. Cellular contributions to immunity in rabbits.
- RO1A1-11785-01 (IAB) DWYER, JOHN M, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cellular immunity and human disease.
- RO1A1-11788-04 (EDC) HORSTMANN, DOROTHY M, YALE UNIV. CITY, 333 CEDAR STREET, NEW HAVEN, CONN. Responses to rubella virion and subunit vaccines (human, monkeys, rabbits).
- RO1A1-11790-01 (EDC) SMITH, COY D, UNIVERSITY OF KENTUCKY, DEPT OF COMMUNITY MEDICINE, LEXINGTON, KY. Assessment of blastomycosis endemicity using dogs.
- R22A1-11794-01 (BM) DONTA, SAM T, UNIVERSITY OF IOWA, DEPT OF MEDICINE, IOWA CITY, IOWA. Isolation and study of E coli enterotoxins (tissue culture).
- RO1A1-11796-01 (ALY) FELDBUSH, THOMAS L, UNIVERSITY OF IOWA, DEPT OF MICROBIOLOGY, IOWA CITY, IOWA. Immunologic memory in the IgA immune system of rats.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01AI-11798-01 (VR) HO, MONTO, UNIVERSITY OF PITTSBURGH, A-427 GRAD SCH OF PUB HLTH, PITTSBURGH, PA. Latency and reactivation of cytomegalovirus infection (mice).	R01AI-11871-01 (TMP) EWERT, ADAM, UNIVERSITY OF TEXAS, DEPARTMENT OF MICROBIOLOGY, GALVESTON, TEX. Interactions of <i>Brugia malayi</i> and microorganisms (cats).
R13AI-11800-01 (IMB) METZGAR, RICHARD S, DUKE UNIVERSITY, BOX 2990, DURHAM, N. C. Workshop on transplantation genetics of primates.	R01AI-11877-01 (VR) MC SHARRY, JAMES J, DEPT OF MICROBIOLOGY, ALBANY MED COLL OF UNION UNIV, ALBANY, N. Y. Biochemical analysis of viral envelope proteins.
R01AI-11805-01 (BM) HAYFLICK, LEONARD, STANFORD UNIVERSITY, DEPT OF MEDICAL MICROBIOLOGY, STANFORD, CALIF. Biology of T-mycoplasma-Potential human pathogens.	R01AI-11879-01 (IMB) KLEIN, JAIN, UNIVERSITY OF TEXAS, DEPT OF MICROBIOLOGY, DALLAS, TEX. Polymorphism of a major histocompatibility complex (mice).
R01AI-11806-02 (ALY) HALPERN, MICHAEL S, WISTAR INSTITUTE, 36TH AND SPRUCE STREET, PHILADELPHIA, PA. Function and biosynthesis of J chain (human).	R01AI-11881-01 (BM) SCHACHTER, JULIUS, UNIVERSITY OF CALIFORNIA, 1699-C HSW, G W HOOPER FDN, SAN FRANCISCO, CALIF. Serotyping of <i>Chlamydia</i> isolates.
R01AI-11819-01 (BIO) CAMPBELL, IAIN M, UNIVERSITY OF PITTSBURGH, 130 DESOTO STREET, RM 605, PITTSBURGH, PA. Naphthoquinone metabolism in plants and bacteria.	R01AI-11886-01 (SSS) COLBY, CLARENCE, JR, UNIVERSITY OF CALIFORNIA, DEPT OF GENETICS, DAVIS, CALIF. Genetic and biochemical analysis of the interferon system (viruses).
R01AI-11822-01 (ALY) FISCHETTI, VINCENT A, ROCKEFELLER UNIVERSITY, 1230 YORK AVENUE, NEW YORK, N. Y. Properties of streptococcal M-proteins.	R01AI-11837-01 (IMB) BAGUONI, CORRADO, S U N Y - AT ALBANY, DEPARTMENT OF BIOLOGY, ALBANY, N. Y. Structure and synthesis of immunoglobulins (human, mice).
R01AI-11823-01 (VR) PALESE, PETER, C U N Y - MT SINAI SCH OF MED, 10 EAST 102 STREET, NEW YORK, N. Y. Synthetic nauraminidase substrates.	R01AI-11889-01 (TMP) READ, ROBERT G, GORGAS MEMORIAL INSTITUTE, POST OFFICE BOX 2016, BALBOA HEIGHTS, CANAL ZONE. Microclimate in ecology of arthropod-borne diseases.
R01AI-11827-01 (BM) BABOR, BERNARD M, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Function of normal and malignant phagocytic cells.	R01AI-11893-01 (IMB) KETTMAN, JOHN R, JR, SOUTHWESTERN MEDICAL SCH, DEPARTMENT OF MICROBIOLOGY, DALLAS, TEX. Specific activity of T and B lymphocytes (mice).
R01AI-11829-01 (VR) MONTO, ARNOLD S, UNIVERSITY OF MICHIGAN, SCHOOL OF PUBLIC HEALTH, ANN ARBOR, MICH. Infectivity and interrelationships of coronaviruses (human).	R01AI-11894-01 (ALY) GLUCK, BRUCE, MISSISSIPPI STATE UNIVERSITY, POST OFFICE BOX 5188, MISSISSIPPI STATE, MISS. Immunoglobulins of bursa-tomized chickens.
R01AI-11830-01 (EDC) KEARNS, DONALD H, VETERANS ADMINISTRATION HOSP, 2002 HOLCOMBE BLVD, HOUSTON, TEX. Anti-gonococcal response of normal and resistant men.	R01AI-11902-01 (IMB) TANENBAUM, STUART W, STATE UNIVERSITY OF NEW YORK, COLL OF ENVIRON SCI & FOREST, SYRACUSE, N. Y. Biosynthesis of polytide fungal antibiotics.
R01AI-11837-01 (ALY) SCIBIENSKI, ROBERT J, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICAL MICROBIOLOGY, DAVIS, CALIF. Control of IgM and IgG antibody synthesis (mice).	R01AI-11903-02 (PC) POBETZ, RONALD D, NELSON BIOLOGICAL LABORATORIES, NEW BRUNSWICK, N. J. Development of a type B phytohemagglutinin (legumes).
R01AI-11839-02 (SSS) KATES, JOSEPH R, S U N Y AT STONY BROOK, DEPARTMENT OF MICROBIOLOGY, STONY BROOK, N. Y. Molecular biology of vaccinia virus replication.	R01AI-11906-01 (IMB) WALTERS, CURLA S, UNIVERSITY OF COLORADO, 4200 E WINTH AVENUE, DENVER, COLO. Immunological reactions to haptens (rodents, rabbits).
R01AI-11842-05 (CDC) REYNARD, ALAN M, SUNY AT BUFFALO, 122 CAPEN HALL, BUFFALO, N. Y. Resistance to tetracycline in <i>E. coli</i> .	R01AI-11907-01 (ALY) WILSON, LAWRENCE A, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Immunobiochemical studies of transplantation antigens (rabbits).
R01AI-11843-02 (ALY) GOOD, ROBERT A, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N. Y. Non-specific resistance to infection, intoxication (human, rodents, dog, chicken).	R01AI-11909-01 (TMP) HAGEDORN, HENRY H, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF ENTOMOLOGY, AMHERST, MASS. Control of reproduction in the mosquito.
R01AI-11844-02 (IMB) SAUNDERS, GEORGE C, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N. MEX. Maturation and component activity of immune systems (mice).	R01AI-11913-01 (VR) CALQUIRI, LAWRENCE A, UNION UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, ALBANY, N. Y. Synthesis and regulation of viral RNA.
R01AI-11845-02 (CDC) PIERCE, WILLIAM A, JR, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Immunity vs gonorrhea.	R01AI-11915-01 (BM) EVANS, CHARLES A, UNIVERSITY OF WASHINGTON, DEPT OF MICROBIOLOGY SC-15, SEATTLE, WASH. Individual differences in surface flora of acne skin (human).
R01AI-11847-07 (AI) BARR, ALLAN R, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, LOS ANGELES, CALIF. Cytoplasmic incompatibility for filariasis control.	R01AI-11919-01 (IMB) GILLESPIE, ELIZABETH, GOOD SAMARITAN HOSPITAL, 5601 LOCH RAVEN BOULEVARD, BALTIMORE, MD. Role of microtubules in hypersensitivity reactions (mice, rats).
R01AI-11849-01 (CDC) MOSTOW, STEVEN R, CLEVELAND METRO GENERAL HOSP, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Laboratory marker of influenza virus virulence.	R01AI-11921-01 (TMP) BIDLINGMAYER, WILLIAM L, ENTOMOLOGICAL RESEARCH CTR, POST OFFICE BOX 520, VERO BEACH, FLA. Mosquito flight paths in relation to the environment.
R01AI-11850-04 (CDC) CARVER, DAVID H, JOHNS HOPKINS HOSPITAL, DEPARTMENT OF PEDIATRICS, BALTIMORE, MD. Tissue culture studies of hepatitis viruses (human).	R01AI-11922-01 (BM) BARRON, ALMEN L, S U N Y - AT BUFFALO, 3435 MAIN STREET, BUFFALO, N. Y. Chlamydial genital infection—An animal model system.
R01AI-11851-01 (SSS) UHR, JONATHAN W, SOUTHWESTERN MEDICAL SCHOOL, DEPARTMENT OF MICROBIOLOGY, DALLAS, TEX. Biology and biochemistry of lymphocyte surface.	R01AI-11923-01 (IMB) LIGHTBODY, JAMES J, WAYNE STATE UNIVERSITY, 4374 GORDON SCOTT HALL, DETROIT, MICH. Pre-sensitization in kidney transplants (human, dogs).
R01AI-11851-01 0001 (SSS) VITETTA, ELLEN S. Biology and biochemistry of lymphocyte surface—T-cell receptor and the Ir gene product (mice).	R01AI-11926-01 (IMB) AUERBACH, ROBERT, ZOOLOGY RESEARCH BUILDING, 1117 W JOHNSON STREET, MADISON, WIS. Tolerance to heterologous erythrocytes (sheep, mice).
R01AI-11851-01 0002 (SSS) VITETTA, ELLEN S. Biology and biochemistry of lymphocyte surface—Thy-1 (mice).	R01AI-11927-01 (VR) WALLIS, ROBERT C, YALE UNIVERSITY, 60 COLLEGE STREET, NEW HAVEN, CONN. Colonial bats as overwintering reservoir of EEE virus.
R01AI-11851-01 0002 (SSS) VITETTA, ELLEN S. Biology and biochemistry of lymphocyte surface—Heterogeneity of T cells (mice).	R01AI-11932-01 (BM) NORDEN, CARL W, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. Hemophilus influenzae type B infections (human, rabbits).
R01AI-11851-01 0004 (SSS) VITETTA, ELLEN S. Biology and biochemistry of lymphocyte surface—T-cell secretions (mice, rabbits, chickens).	R01AI-11936-01 (IMB) ADKINSON, N FRANKLIN, JR, JOHNS HOPKINS UNIV SCH OF MED, 725 NORTH WOLFE ST, BALTIMORE, MD. Allergic drug reactions (human).
R01AI-11851-01 0005 (SSS) UHR, JONATHAN W. Biology and biochemistry of lymphocyte surface—Regulation of cell surface Ig (mice).	R01AI-11942-01 (TMP) MULLER, MIKLOS, ROCKEFELLER UNIVERSITY, YORK AVE & EAST 66TH STREET, NEW YORK, N. Y. Biochemical cytology of <i>Trichomonas vaginalis</i> .
R01AI-11851-01 0006 (SSS) UHR, JONATHAN W. Biology and biochemistry of lymphocyte surface—Lymphocyte membrane and Ig interaction (mice, human).	R01AI-11945-01 (IMB) SALVIN, SAMUEL B, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF MICROBIOLOGY, PITTSBURGH, PA. Mechanism and regulation of immunologic enhancement (rodents).
R01AI-11851-01 0007 (SSS) UHR, JONATHAN W. Biology and biochemistry of lymphocyte surface—J chain synthesis and its role in Ig polymerization and secretion (mice, human).	R01AI-11950-01 (BM) BURKE, JOHN P, LATTER-DAY SAMTS HOSPITAL, 325-EIGHTH AVENUE, SALT LAKE CITY, UTAH. Control of hospital-acquired urinary tract infections (human).
R01AI-11851-01 0008 (SSS) KLEIN, JAN. Biology and biochemistry of lymphocyte surface—Alloantigens (mice).	R01AI-11956-01 (ALY) DE WITT, CHARLES W, UNIVERSITY OF UTAH, DEPT OF PATHOLOGY, SALT LAKE CITY, UTAH. Comparison of histocompatibility antigens (rats).
R01AI-11851-01 0009 (SSS) SCOLNICK, EDWARD. Biology and biochemistry of lymphocyte surface—Virus-lymphocyte interactions (mice).	R01AI-11962-01 (GEN) SHREFFLER, DONALD C, UNIVERSITY OF MICHIGAN, 1137 E CATHERINE STREET, ANN ARBOR, MICH. Genetics of H-2(Ir)-controlled T-lymphocyte antigens (mice).
R01AI-11852-02 (TMP) SCHAD, GERHARD A, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF PATHOBIOLOGY, PHILADELPHIA, PA. Arrested development of larval hookworms in the host.	R01AI-11963-01 (TMP) LARSH, JOHN E, JR, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PUBLIC HEALTH, CHAPEL HILL, N. C. Phospholipase levels in experimental trichinellosis (mice).
R01AI-11853-01 (BBCB) THOMAS, GEORGE J, JR, SOUTHEASTERN MASSACHUSETTS U, DEPARTMENT OF CHEMISTRY, NORTH DARTMOUTH, MASS. Molecular structure of RNA viruses (R17 phage, turnip yellow mosaic virus).	R01AI-11969-01 (MCHA) FAULKNER, DAVID J, UNIV OF CALIFORNIA, SAN DIEGO, SCRIPPS INST OF OCEANOGRAPHY, LA JOLLA, CALIF. Antibiotics from marine organisms.
R01AI-11856-01 (BBCB) HARTMAN, KARL A, JR, UNIVERSITY OF RHODE ISLAND, DEPT OF MICROBIO & BIOPHYSICS, KINGSTON, R. I. Molecular structure of RNA viruses.	R01AI-11970-01 (MCHA) JOHNSON, BRIAN J, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Complement fixation using synthetic IGG1.
R01AI-11858-01 (BM) SAVAGE, DWAYNE C, UNIVERSITY OF ILLINOIS, DEPARTMENT OF MICROBIOLOGY, URBANA, ILL. Influences of normal microflora on gut histology (mice, rats, rabbits).	R01AI-11973-01 (ALY) ATASSI, M ZOUHAJR, WAYNE STATE UNIVERSITY, 431 CHEMISTRY BUILDING, DETROIT, MICH. Determination of the antigenic structure of lysozyme.
R01AI-11860-03 (BM) EISENSTEIN, TOBY K, TEMPLE UNIVERSITY, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Pneumococcal and salmonella ribosomal vaccines (mice).	
R01AI-11863-01 (SSS) SIMON, LEE D, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Molecular mechanisms in the assembly of viruses (T4 phage, <i>E. coli</i>).	
R01AI-11865-04 (BM) DUNCAN, CHARLES L, UNIVERSITY OF WISCONSIN, 203 HIRAM SMITH ANNEX, MADISON, WIS. Enteropathogen of <i>Clostridium perfringens</i> (human, primata, rabbit, guinea pig).	
R01AI-11868-01 (VR) PENE, JACQUES J, UNIVERSITY OF DELAWARE, DEPT OF BIOLOGICAL SCIENCES, NEWARK, DEL. Regulatory mechanisms in virus development.	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AI-11974-01** (ALY) HABEBS, AHMED F, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Determination of the antigenic structure of lysozyme (rabbits, goats).
- RO1AI-11978-01** (MCHA) OLSEN, RICHARD K, UTAH STATE UNIVERSITY, DEPT OF CHEM & BIOCHEMISTRY, LOGAN, UTAH. Synthesis of epidithiopiperazine antibiotics.
- RO1AI-11980-01** (IMB) BOREL, YVES R, NEW ENGLAND MED CTR HOSPITAL, 171 HARRISON AVENUE, BOSTON, MASS. Immunological tolerance to DNA in murine lupus nephritis (mice).
- RO1AI-11982-01** (IMB) WACHTEL, STEPHEN S, SLOAN-KETTERING INSTITUTE, 410 E 68TH STREET, NEW YORK, N Y. Serological analysis of epididymal cell antigens (mice, rats, guinea pigs).
- RO1AI-11983-01** (IMB) GOODMAN, JOEL W, UNIVERSITY OF CALIFORNIA, PARANASSUS & THIRD, SAN FRANCISCO, CALIF. Induction of cellular immunity to haptens.
- RO1AI-11995-01** (ALY) KINDT, THOMAS J, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Immunochemical studies of rabbit antibody allotypes.
- RO1AI-11996-01** (VR) BOSE, HENRY R, UNIVERSITY OF TEXAS, DEPT OF MICROBIOLOGY, AUSTIN, TEX. Superinfection exclusion in RNA animal viruses (mice).
- RO1AI-12001-01** (ALY) MARGOLASH, EMANUEL, NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, EVANSTON, ILL. Antigenicity of globular proteins (rabbits).
- RO1AI-12005-01** (BM) FOY, HJORDIS M, UNIVERSITY OF WASHINGTON, SCH OF PUB HLTH & COMM MED, SEATTLE, WASH. Nonbacterial infections in obstetrics (human).
- RO1AI-12007-09** (IMB) GENGGOZIAN, NAZARETH, OAK RIDGE ASSOCIATED UNIVS, POST OFFICE BOX 117, OAK RIDGE, TENN. Immunologic tolerance in the marmoset.
- R22AI-12017-01** (VR) FISCHMAN, HARVEY R, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Rabies-pathogenesis, interference, abortive infection.
- RO1AI-12018-01** (VR) FRET, PAUL, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Human perinatal infections with *Coccidia burneti*.
- RO1AI-12020-01** (MCHA) MEINWALD, JERROLD, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N Y. Chemistry of arthropod secretions.
- P15AI-12026-01** (SRC) BUCKLEY, REBECCA H, DUKE UNIVERSITY SCH OF MED, BOX 2898, DURHAM, N C. Asthma and allergic diseases centers grant.
- P15AI-12026-01** 0001 (SRC) BUCKLEY, REBECCA H. Asthma and allergic diseases centers grant-Thymus-dependent immune function in atopy and hyperimmunoglobulinemia E (human).
- P15AI-12026-01** 0002 (SRC) SNYDERMAN, RALPH. Asthma and allergic diseases centers grant-Immunologic effector systems in hyperimmunoglobulinemia E (human).
- P15AI-12028-01** (SRC) CLAMAN, HENRY N, UNIVERSITY OF COLORADO, 4200 E NINTH AVENUE, DENVER, COLO. Allergic disease center-Allergic vasculitis (human).
- P15AI-12029-01** (AIRC) TOWNLEY, ROBERT G, CREIGHTON UNIVERSITY, 657 NORTH 27TH STREET, OMAHA, NEBR. Allergic diseases center grant-Mechanisms in asthma.
- P15AI-12029-01** 0001 (AIRC) TOWNLEY, ROBERT G. Allergic diseases center grant-Mechanisms in asthma-Natural history of bronchial asthma (human).
- P15AI-12029-01** 0002 (AIRC) TOWNLEY, ROBERT G. Allergic diseases center grant-Mechanisms in asthma-Comparison of bronchial sensitivity to mediators (human, rodents).
- P15AI-12029-01** 0002 (AIRC) GUIRGIS, H A. Allergic diseases center grant-Mechanisms in asthma-Sputum studies (human, rats).
- P15AI-12029-01** 0004 (AIRC) TOWNLEY, ROBERT G. Allergic diseases center grant-Mechanisms in asthma-Beta adrenergic blockade and reagenic antibody production.
- RO1AI-12030-01** (BM) BANWELL, JOHN G, UNIVERSITY OF KENTUCKY, 800 ROSE STREET, LEXINGTON, KY. Control of enterotoxin induced secretion (animals).
- RO1AI-12033-01** (MBC) AHMAD, FAZAL, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. Fatty acid metabolism in propionic acid bacteria.
- RO1AI-12045-01** (TMP) OAKS, JOHN A, UNIVERSITY OF IOWA, DEPT OF ANATOMY, IOWA CITY, IOWA. Functional morphology of parasitic belminth surfaces.
- RO1AI-12066-01** (ALY) PEARLMAN, DAVID S, NATL JEWISH HOSP & RES CENTER, 3800 EAST COLFAX AVENUE, DENVER, COLO. Effect of adrenergic drugs on antibody formation (mice).
- RO1AI-12048-01** (BM) MARTIN, R RUSSELL, TEXAS MEDICAL CENTER, 1200 MOURSUND AVENUE, HOUSTON, TEX. Factors which modify leukotaxis of human cells.
- RO1AI-12049-01** (GMA) JORDON, ROBERT E, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Immunopathology of bullous skin diseases (human).
- RO1AI-12052-01** (SSS) GINSBERG, HAROLD S, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Biochemical changes in adeno-infected and transformed cells.
- RO1AI-12053-01** (VR) GINSBERG, HAROLD S, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Mechanisms of viral eclipse and assembly.
- RO1AI-12054-01** (IMB) STOBO, JOHN D, MAYO CLINIC & FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Heterogeneity of murine thymus derived lymphocytes.
- RO1AI-12056-01** (VR) DUCKWORTH, DONNA M, UNIVERSITY OF FLORIDA, MSB BOX 727, GAINESVILLE, FLA. Effects of bacterial viruses on cell membranes.
- RO1AI-12057-01** (TMP) NAPPI, ANTHONY J, S U N Y - COLLEGE AT OSWEGO, DEPT OF BIOLOGICAL SCIENCES, OSWEGO, N Y. Insect Immunity-A model system for cellular activity.
- RO1AI-12058-01** (TMP) SCHUSTER, FREDERICK L, BROOKLYN COLLEGE, DEPARTMENT OF BIOLOGY, BROOKLYN, N Y. Cytopathology induced by *Naegleria* infectious agent (mice).
- R22AI-12060-01** (TMP) JAPPE, JULIAN J, UNIVERSITY OF VERMONT, GIVEN BUILDING, BURLINGTON, VT. Antimetabolite targets in schistosomes and filariae.
- RO1AI-12062-01** (MBC) CELIS, T F, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Transport of basic amino acids in E cell.
- R22AI-12065-01** (TMP) DAMIAN, RAYMOND T, DEPARTMENT OF ZOOLOGY, UNIVERSITY OF GEORGIA, ATHENS, GA. Schistosome immunity mechanisms (beboons).
- RO1AI-12066-01** (PC) SUHADOLNIK, ROBERT J, TEMPLE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, PHILADELPHIA, PA. Nucleoside analogs-Biosynthesis and role in the cell.
- RO1AI-12066-01** 0001 (PC) SUHADOLNIK, ROBERT J. Nucleoside analogs-Biosynthesis and role in the cell-Macromolecular synthesis (mice, human, E coli, virus).
- RO1AI-12066-01** 0002 (PC) SUHADOLNIK, ROBERT J. Nucleoside analogs-Biosynthesis and role in the cell-Biosynthesis of nucleosides and nucleosides antibiotics (Streptomyces).
- RO1AI-12069-01** (ALY) SCHLOSSMAN, STUART F, CHILDREN'S CANCER RESEARCH FDN, 35 BINNEY STREET, BOSTON, MASS. Immunocytes-Isolation, specificity and genetic control.
- RO1AI-12070-01** (VR) REICHAEMANN, MANFRED E, UNIVERSITY OF ILLINOIS, 131 BURRILL HALL, URBANA, ILL. Autointerference in virus infections and malignancy.
- RO1AI-12074-01** (IMB) BANSAL, SUBHASH C, ALMA DEA MORANI LAB IMMUNOBIO, 3300 HENRY AVENUE, PHILADELPHIA, PA. Immunological non-reactivity-serum factors (human, animals).
- R22AI-12078-01** (TMP) OLSON, LLOYD C, INDIANA UNIV SCH OF MED, 1100 W MICHIGAN ST, INDIANAPOLIS, IND. Arbovirus replication in mosquitoes cell culture.
- RO1AI-12081-01** (BM) THOMAS, LEWIS, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Pathology of experimental mycoplasma infection (chickens, guinea pigs).
- RO1AI-12085-01** (ALY) HSU, CLEMENT C, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. Alterations of immune response during pregnancy (mice).
- RO1AI-12087-01** (BM) SAWYER, WILLIAM D, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Pathobiology of gonococcal infection (rabbits).
- RO1AI-12089-01** (VR) TABER, ROBERT L, JR, 666 ELM STREET, BUFFALO, N Y. The selection of picornavirus-assistant cells.
- RO1AI-12090-01** (ALY) GOTTLIEB, A ARTHUR, RUTGERS UNIVERSITY, INST OF MICROBIOLOGY, NEW BRUNSWICK, N J. Characterization of 'transfer factor' (mice).
- NO1AI-12091-07** (***) PARROTT, ROBERT H, WASHINGTON, DISTRICT OF COLUMBIA. Antigenicity and effectiveness of respiratory disease vaccines.
- R22AI-12095-01** (TMP) KOZEK, WIESLAW J, UNIVERSITY OF CALIFORNIA, CALIFORNIA PRIMATE RES CTR, DAVIS, CALIF. Immunobiology of *Brugia malayi* (monkeys).
- RO1AI-12100-01** (ALY) ROHOLT, OLIVER A, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Binding sites of myeloma proteins and antibodies (mice).
- RO1AI-12103-01** (BM) COLE, BARRY C, UNIVERSITY OF UTAH, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Mycoplasma-cell interaction and interferon induction (human, sheep, mice).
- RO1AI-12110-01** (IMB) REMOLD, HENZ G, ROBERT B BRIGHAM HOSPITAL, 125 PARKER HILL AVENUE, BOSTON, MASS. Macrophage interactions with lymphocyte mediators.
- RO1AI-12116-01** (VR) STRAUSS, BERNARD S, CUMMINGS LIFE SCIENCES CENTER, 920 EAST 58TH STREET, CHICAGO, ILL. Biology of human lymphoblastoid cell lines.
- RO1AI-12120-01** (BM) JONES, RANDALL T, TEXAS TECH UNIVERSITY, POST OFFICE BOX 4569, LUBBOCK, TEX. Search for bacteriophages active on *N gonorrhoeae*.
- RO1AI-12122-01** (BM) MERRITT, KATHARINE, DARTMOUTH MEDICAL SCHOOL, DEPT OF MICROBIOLOGY, HANOVER, N H. Diagnosis of gonorrhea by immunoelectrophoresis (human).
- RO1AI-12123-01** (VR) BLACK, FRANCIS L, YALE UNIVERSITY, 60 COLLEGE STREET, NEW HAVEN, CONN. Epidemiologic relation to multiple sclerosis to virus.
- RO1AI-12125-01** (BM) MIDDLEBROOK, GARDNER, UNIVERSITY OF MARYLAND, 31 S GREENE STREET, BALTIMORE, MD. Antimicrobial activation of macrophages (human, rabbits).
- RO1AI-12127-01** (ALY) CAPRA, J DONALD, MOUNT SINAI SCHOOL OF MED, 10 EAST 102ND STREET, NEW YORK, N Y. Immunoglobulin V region structure-Genetic (human, mice, dogs, cats).
- RO1AI-12129-01** (BM) HARRIS, DELBERT L, IOWA STATE UNIVERSITY, DEPT OF VET MICROBIOLOGY, AMES, IOWA. Cultivation of treponemes and immunity to syphilis.
- RO1AI-12132-01** (VR) SRINIVASAN, P R, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Regulation of transcription in virus infected cells.
- RO1AI-12133-01** (VR) SNYDER, LOREN R, MICHIGAN STATE UNIVERSITY, DEPT OF MICROBIO & PUB HEALTH, EAST LANSING, MICH. Viral induced changes in replication and transcription.
- RO1AI-12136-01** (ALY) KUBO, RALPH T, NATIONAL JEWISH HOSP & RES CTR, 3800 E COLFAX AVENUE, DENVER, COLO. Beta 2-microglobulin on the surface of lymphocytes (mice).
- RO1AI-12141-01** (MBC) MANNING, JAMES M, ROCKEFELLER UNIVERSITY, YORK AVENUE AND 66TH STREET, NEW YORK, N Y. Anti-bacterial action of beta-halo-amino acids (mice).
- RO1AI-12142-01** (PC) MOLNAR, JANOS, UNIVERSITY OF ILLINOIS, 1853 W POLK STREET, CHICAGO, ILL. Biochemical studies of a major opsonin protein (rats, rabbits, human, chickens).
- RO1AI-12146-01** (TMP) JONES, THOMAS C, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Effects of immunity on intracellular parasitism (mice).
- RO1AI-12148-01** (IMB) BERNSTEIN, I LEONARD, UNIVERSITY OF CINCINNATI, BURNET AVENUE, CINCINNATI, OHIO. Platelet function in asthma (human).
- RO1AI-12155-01** (IMB) WARD, FRANCES E, DUKE UNIVERSITY, BOX 3010, DURHAM, N C. Histocompatibility antigens in a black population (human).

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(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01AI-12158-01 (BM) PAPPAGIANIS, DEMOSTHINES, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICAL MICROBIOLOGY, DAVIS, CALIF. Lymphocytes in immunity to coccidioidomycosis (mice).

R01AI-12166-01 (ALY) JAMIESON, JAMES D., YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Processing of secretory IgA in the mammary gland (rabbits).

R01AI-12170-01 (VR) GREER, SHELDON B., UNIV OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Therapy of herpes infection-5-HALO-CDR and THU.

R01AI-12176-01 (IMB) GEBHARDT, BRYAN M., COLLEGE OF MEDICINE, UNIVERSITY OF FLORIDA, GAINESVILLE, FLA. F1 Hybrid lymphocyte stimulation by parental cells.

R01AI-12184-01 (IMB) CANTOR, HARVEY I., CHILDREN'S CANCER RES FDN, 35 BINNEY STREET, BOSTON, MASS. T cells subpopulations in transplantation immunity (mice, rabbits).

R01AI-12185-01 (IMB) GOLDSTEIN, GIBSON, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Thymic induction of T cell differentiation (mice).

R01AI-12186-01 (BM) MURRAY, EDWARD S., HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Diagnostic significance-Antibody response to gonorrhea (human).

R01AI-12191-01 (ALY) MOTICKA, EDWARD J., UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Antigen induced non-specific immunoglobulin secretion (mice).

P01AI-12192-01 (SRC) HOLMES, KING K., HARBORVIEW MEDICAL CENTER, 325 NINTH AVE, DEPT OF MED, SEATTLE, WASH. Venereal disease research.

P01AI-12192-01 0001 (SRC) HOLMES, KING K. Venereal disease research-Clinical pathology and pathogenesis of gonorrhea.

P01AI-12192-01 0002 (SRC) FALKOW, STANLEY. Venereal disease research-Genetics of virulence determinants in *Neisseria gonorrhoeae* (chick embryo).

P01AI-12192-01 0003 (SRC) KENNY, GEORGE E. Venereal disease research-Antigenic analysis of *Neisseria gonorrhoeae* (human, rabbits, monkeys).

P01AI-12192-01 0004 (SRC) GALE, JAMES L. Venereal disease research-*Neisseria* and *Chlamydia* genital infection model (nonhuman primates).

P01AI-12192-01 0005 (SRC) HOLMES, KING K. Venereal disease research-Non-gonococcal urethritis (human).

P01AI-12192-01 0006 (SRC) GALE, JAMES L. Venereal disease research-CMV, HSV, chlamydia, cohort study of infection and disease.

P01AI-12192-01 0007 (SRC) WEISER, RUSSELL S. Venereal disease research-Borreliae as vaccine source for syphilis (rabbits).

P01AI-12192-01 0008 (SRC) WRISER, RUSSELL S. Venereal disease research-Immunity in experimental syphilis (guinea pigs, rabbits, human).

R01AI-12195-01 (MBC) POLLOCK, JERRY J., SCHOOL OF DENTAL MED, SUNY AT STONY BROOK, STONY BROOK, N. Y. Penicillin target membrane proteins.

N01AI-12197-03 (***) ALLEN, WILLIAM P., COVINGTON, LOUISIANA. Study of hepatitis in chimpanzees.

R01AI-12198-01 (IMB) CHANG, ROBERT S., UNIVERSITY OF CALIFORNIA, DEPT OF MEDICAL MICROBIOLOGY, DAVIS, CALIF. Transfer factors from human lymphoid cell lines.

N01AI-12199-02 (***) WILCOX, KENNETH R., JR., LANSING, MICHIGAN. Improved method for inactivation of rabies virus.

R01AI-12200-01 (MCHA) EPLING, GARY A., FORDHAM UNIVERSITY, DEPARTMENT OF CHEMISTRY, BRONX, N. Y. Mechanistic study of phototoxicity in antimalarials.

R01AI-12202-01 (BM) MACNAB, ROBERT M., DEPT OF MOLEC BIOPHYSICS & BIO, YALE UNIVERSITY, BOX 1937, NEW HAVEN, CONN. Principles of sensory reception and motor function (bacteria).

R01AI-12203-01 (SSS) RAPP, FRED, PENNSYLVANIA STATE UNIVERSITY, M S HERSHEY MEDICAL CENTER, HERSHEY, PA. Characterization of measles virus latency (hamsters, human).

R22AI-12204-01 (TMP) BLOCH, EDWARD H., CASE WESTERN RESERVE UNIV, 2119 ABBINGTON ROAD, CLEVELAND, OHIO. In vivo microscopy of schistosomiasis of organs (mice, rats, rabbits).

R01AI-12211-01 (IMB) ASKENASE, PHILIP W., YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Immunology of cutaneous basophil hypersensitivity (guinea pig).

R01AI-12219-01 (BM) DILLOM, HUGH C., JR., UNIV OF ALABAMA/BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA. Streptococcal epidemiology and immunity (rabbits, human).

R01AI-12221-01 (BM) SKARNES, ROBERT C., WORCESTER FDN FOR EXPER BIO, 222 MAPLE AVENUE, SHREWSBURY, MASS. Mechanisms of toxicity of bacterial endotoxin (sheep, mice).

P01AI-12225-01 (SRC) WARD, PETER A., UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Immunopathology and clinical immunology.

P01AI-12225-01 0001 (SRC) WARD, PETER A. Immunopathology and clinical immunology-Leukotactic abnormalities in human.

P01AI-12225-01 0002 (SRC) BECKER, ELMER L. Immunopathology and clinical immunology-Intrinsic defects in chemotaxis of human neutrophils in relation to disease.

P01AI-12225-01 0003 (SRC) ROTHFIELD, NAOMI F. Immunopathology and clinical immunology-Clinical significance of antibodies to nuclear antigens (human).

P01AI-12225-01 0004 (SRC) ZURIER, ROBERT B. Immunopathology and clinical immunology-Regulation of enzyme release from human leukocytes.

P01AI-12225-01 0005 (SRC) COHEN, STANLEY. Immunopathology and clinical immunology-Mediators of cellular immunity in vivo in relation to disease.

R01AI-12235-01 (ALY) ROWLEY, DONALD A., LA RABIDA UNIV OF CHICAGO, EAST 65TH ST AT LAKE MICHIGAN, CHICAGO, ILL. Antibody dependent cell mediated cytotoxicity (mice).

R01AI-12236-01 (CVA) BERNSTEIN, I LEONARD, UNIVERSITY OF CINCINNATI, BURNET AVENUE, DIV OF IMMUNOL, CINCINNATI, OHIO. Dopamine excretion in differential diagnosis of asthma (human).

R01AI-12239-01 (BM) INGRAM, DAVID L., WAKE COUNTY MEMORIAL HOSPITAL, 300 NEW BERN AVENUE, RALEIGH, N. C. Diagnosis of systemic infections by antigen detection (children).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01AI-12240-01 (PTHA) KUSHNER, IRVING, WEST VIRGINIA UNIV MEDICAL CTR, MORGANTOWN, W. VA. Biosynthesis and structure of acute phase protein (human, rabbits, rats).

R01AI-12242-01 (VR) SCHLESINGER, SONDRRA, WASHINGTON UNIVERSITY, DEPT OF MICROBIOLOGY BOX 8093, ST LOUIS, MO. Replication and host range specificity of LD virus (mice).

R01AI-12251-01 (IMB) CLUCK, ROBERT E., SLOAN-KETTERING INST-CAN-RES, 410 EAST 68TH STREET, NEW YORK, N. Y. Cellular and molecular aspects of immune responses (mice).

N01AI-12257-05 (***) CHERRY, MARIANNA, BAR HARBOR, MAINE. Mouse allogeneic production, storage and distribution.

R01AI-12273-01 (BM) LESLIE, GERRIE A., UNIV OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREGON. Modulation of immunity to group A streptococci (rats, chickens).

N01AI-12292-03 (***) WIKTOR, TADEUSZ J., PHILADELPHIA, PENNSYLVANIA. Potency testing of rabies vaccines (mammals, non-human).

P01AI-12381-01 (SRC) NICHOLS, ROGER L., HARVARD SCH OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Center for study of sexually transmitted diseases.

P01AI-12381-01 0001 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Clinical facilities, clinical isolate collection and serum bank.

P01AI-12381-01 0002 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Blood and genital secretion levels of antimicrobial agents in therapy (human).

P01AI-12381-01 0003 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Pelvic inflammatory disease.

P01AI-12381-01 0004 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Asymptomatic gonococcus carrier detection by vaginal tampon.

P01AI-12381-01 0005 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Cash stipend as gonorrhea post-treatment return incentive.

P01AI-12381-01 0006 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Microbiological investigations of Bartholin's gland abscesses.

P01AI-12381-01 0007 (SRC) KASPER, DENNIS. Center for study of sexually transmitted diseases-Immunochemical investigations of cell surface antigens of *Neisseria gonorrhoea*.

P01AI-12381-01 0008 (SRC) MORSE, STEPHEN A. Center for study of sexually transmitted diseases-Physiology and metabolism of *Neisseria gonorrhoea*.

P01AI-12381-01 0009 (SRC) O'BRIEN, T F. Center for study of sexually transmitted diseases-Antimicrobial susceptibility testing of gonococcal isolates.

P01AI-12381-01 0010 (SRC) CERNY, JAN. Center for study of sexually transmitted diseases-Antigenic modulation in the regulation of immunity to gonorrhea.

P01AI-12381-01 0011 (SRC) NICHOLS, ROGER L. Center for study of sexually transmitted diseases-Chick embryo as animal model for gonorrhea.

P01AI-12381-01 0012 (SRC) MURRAY, EDWARD S. Center for study of sexually transmitted diseases-Diagnoses with antibody responses to gonorrhea (tissue culture, chick embryo).

P01AI-12381-01 0013 (SRC) KASS, E H. Center for study of sexually transmitted diseases-Genital mycoplasmas (human).

P01AI-12381-01 0014 (SRC) WHEELER, T H. Center for study of sexually transmitted diseases-Cytomegaloviral infections of the female genital tract.

P01AI-12381-01 0015 (SRC) NICHOLS, ROGER L. Center for study of sexually transmitted diseases-*Chlamydia* as sexually transmitted agents (guinea pigs).

P01AI-12381-01 0016 (SRC) BAKER, CAROL. Center for study of sexually transmitted diseases-Type III polysaccharide antigen of group B streptococcus.

P01AI-12381-01 0017 (SRC) MEDEIROS, ANTONIO. Center for study of sexually transmitted diseases-Clinical urethritis and sexually transmissible microorganisms (human).

P01AI-12381-01 0018 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Sexually transmissible microorganisms and morbidity in non-pregnant women.

P01AI-12381-01 0019 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Genital microflora in relation to sexual experience.

P01AI-12381-01 0020 (SRC) MCCORMACK, W M. Center for study of sexually transmitted diseases-Sexually transmissible conditions and perinatal and maternal morbidity.

R01AI-12400-01 (VR) MARAMOROSCH, KARL, INSTITUTE OF MICROBIOLOGY, RUTGERS UNIVERSITY, NEW BRUNSWICK, N. J. Yellow fever virus in strains of *Aedes aegypti*.

R22AI-12409-01 (TMP) CALL, ANN, GEOGRAPHIC PATHOLOGY DIVISION, ARMED FORCES INSTITUTE OF PATH, WASHINGTON, D. C. Biocontrol of schistosomes by use of microsporidians.

N01AI-12443-04 (***) TRAPANI, ROBERT JOHN, BETHESDA, MARYLAND. Evaluate human histocompatibility typing trays.

P01AI-12450-01 (SRC) PARKER, CHARLES W., WASHINGTON UNIVERSITY SCH MED, 660 SOUTH EUCLID, ST LOUIS, MO. Cyclic nucleotides in immunity.

P01AI-12450-01 0001 (SRC) PARKER, CHARLES W. Cyclic nucleotides in immunity-Lymphocyte activation (human, rats, mice).

P01AI-12450-01 0002 (SRC) SULLIVAN, TIMOTHY J. Cyclic nucleotides in immunity-Histamine release (rats).

P01AI-12450-01 0003 (SRC) ATKINSON, JOHN P. Cyclic nucleotides in immunity-Phagocytosis (guinea pigs, human).

P01AI-12450-01 0004 (SRC) ATKINSON, JOHN P. Cyclic nucleotides in immunity-Chemotaxis (human).

P01AI-12450-01 0005 (SRC) JARETT, LEONARD. Cyclic nucleotides in immunity-Cyclic nucleotides in homogeneous and heterogeneous tissues (rabbits, rats).

R01AI-12460-01 (GEN) GRUNDBACHER, FRED J., PEDRIA SCHOOL OF MEDICINE, 1400 WEST MAIN STREET, PEORIA, ILL. Genetics of isoantibody and immunoglobulin levels (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01AI-12461-01 (SSS) WOLIN, MEYER J, NEW YORK STATE DEPT OF HEALTH, 99 CENTRAL AVENUE, ALBANY, N Y. Fermentation interactions in microbial ecosystems (rumen bacteria).

R01AI-12467-01 (VR) BRATT, MICHAEL A, DEPT OF MICROBIOLOGY, U OF MASS MEDICAL SCHOOL, WORCESTER, MASS. Transcription and translation of NDV RNA.

R01AI-12468-01 (IAB) BATTISTO, JACK R, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Naturally occurring delayed-type iso-hypersensitivity (mice, guinea pigs).

R01AI-12469-01 (IAB) DRUTZ, DAVID J, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Response of human leukocytes to *Neisseria gonorrhoeae*.

R01AI-12470-01 (IABC) JOYS, TERENCE M, 5-101, FREAR BUILDING, S-101, FREAR BUILDING, UNIVERSITY PARK, PA. Bacterial flagella-Structure, specificity and control.

R01AI-12471-01 (TAP) CUPP, EDDIE W, CORNELL UNIVERSITY, COMSTOCK HALL, ITHACA, N Y. Thermally induced sterility in *Aedes aegypti*.

R01AI-12477-01 (ALY) COHEN, STANLEY, DEPARTMENT OF PATHOLOGY, UNIV OF CONN HEALTH CTR, FARMINGTON, CONN. Complement and cellular activation (mice, guinea pigs, rabbits).

R01AI-12478-01 (ALY) DOUGLAS, STEVEN D, UNIVERSITY OF MINNESOTA, DEPT OF MEDICINE, MINNEAPOLIS, MINN. Morphodynamics of human lymphocytes and monocytes.

R01AI-12487-01 (IAB) GOLDSTEIN, GIDEON, SLOAN KETTERING INST FO CA RES, 410 EAST 68TH STREET, NEW YORK, N Y. Thymic induction of T cell differentiation (cattle, mice).

R01AI-12502-04 (**) GOTSCHLICH, BIMAL C, NEW YORK, NEW YORK. Meningococcal polysaccharide vaccine.

R01AI-12507-01 (IAB) DUGUESNOY, RENE J, MILWAUKEE BLOOD CENTER, INC, 763 NORTH 18TH STREET, MILWAUKEE, WIS. Prevention of immunodeficiency (mice).

R01AI-12561-01 (ALY) LLOYD, KENNETH O, DEPT OF BIOCHEMISTRY, P O BOX 4569, LUBBOCK, TEX. Immunochemical studies on fungal polysaccharides.

R01AI-22075-02 (**) WORTH, ROBERT M, HONOLULU, HAWAII. Leprosy surveillance of Pingelapese population.

R01AI-22501-02 (**) MC INTOSH, KENNETH, DENVER, COLORADO. Clinical evaluation of respiratory vaccines in children and infants.

R01AI-22502-03 (**) GOLD, RONALD, STORRS, CONNECTICUT. Clinical evaluation of bacterial polysaccharide vaccines.

R01AI-22503-03 (**) DOUGLAS, R GORDON, JR, ROCHESTER, NEW YORK. Clinical evaluation of respiratory vaccines in children and infants.

R01AI-22504-02 (**) SIMPSON, ROBERT W, NEW BRUNSWICK, NEW JERSEY. Develop attenuated mutants of RSV and PIV as potential vaccine strains (hamsters).

R01AI-22505-02 (**) DENNY, FLOYD W, CHAPEL HILL, NORTH CAROLINA. Clinical evaluation of respiratory vaccines.

R01AI-22506-03 (**) WEHRLI, PAUL F, LOS ANGELES, CALIFORNIA. Clinical evaluation of bacterial polysaccharide vaccines.

R01AI-22507-03 (**) KARZON, DAVID T, NASHVILLE, TENNESSEE. Clinical evaluation of respiratory vaccines in children and infants.

R01AI-22508-03 (**) GWALTNEY, JACK M, JR, CHARLOTTESVILLE, VIRGINIA. Clinical evaluation of influenza virus and *Mycoplasma pneumoniae* vaccines.

R01AI-22513-03 (**) FRID, MARVIN A, OAKLAND, CALIFORNIA. Efficacy of decaivalent pneumococcal vaccine.

R01AI-22515-04 (**) ADKINS, HARRY F, ROCKVILLE, MARYLAND. Repository and distribution center for leukocyte typing sera (human).

R01AI-22516-06 (**) HAFF, RICHARD F, PHILADELPHIA, PENNSYLVANIA. Purification, safety testing and preparation of human leukocyte interferon.

R01AI-22518-03 (**) GLASGOW, LOWELL A, SALT LAKE CITY, UTAH. Research antiviral substances and animal systems.

R01AI-22521-04 (**) GOOD, ROBERT C, VIENNA, VIRGINIA. Study of BCG vaccination by aerosol route in monkeys.

R01AI-22522-02 (**) JAMIESON, G A, BETHESDA, MARYLAND. Establishment of hepatitis testing laboratory.

R01AI-22525-03 (**) HANSEN, EDER, BERKELEY, CALIFORNIA. Cultivation of molluscan cell lines (snails).

R01AI-22527-03 (**) BAYNE, C J, CORVALLIS, OREGON. Cultivation of molluscan cell lines (snails).

R01AI-22529-03 (**) JONASSON, OLGA, CHICAGO, ILLINOIS. Histocompatibility-matching in renal transplantation.

R01AI-22530-03 (**) YUNIS, EDMOND J, MINNEAPOLIS, MINNESOTA. Histocompatibility-matching in renal transplantation.

R01AI-22531-02 (**) STASTNY, PETER, DALLAS, TEXAS. Evaluation of histocompatibility matching.

R01AI-22532-04 (**) CHIBEN, LAWRENCE T, BIRMINGHAM, ALABAMA. Central facility study treatment of serious viral infections with chemotherapeuti.

R01AI-22536-02 (**) BRAUN, WILLIAM B, CLEVELAND, OHIO. Histocompatibility-matching in renal transplantation.

R01AI-22539-03 (**) MAY, ALLYN G, ROCHESTER, NEW YORK. Histocompatibility-matching in renal transplantation.

R01AI-22540-04 (**) BELZER, FOLKERT O, SAN FRANCISCO, CALIFORNIA. Evaluation of ALG as immunosuppressive agent (human).

R01AI-32502-02 (**) SAITH, HARRY L, JR, PHILADELPHIA, PENNSYLVANIA. Operation and maintenance of cholera vibrio reference laboratory.

R01AI-32503-02 (**) HORNICK, RICHARD B, BALTIMORE, MARYLAND. Study of viral vaccine in man.

R01AI-32504-03 (**) ROGERS, LAYTON, SPRINGFIELD, VIRGINIA. Australian antigen animal research and holding facility.

R01AI-32505-01 (**) BLACKLOW, NER R, BOSTON, MASSACHUSETTS. Clinical studies of the agents of acute non-bacterial gastroenteritis (human).

R01AI-32506-02 (**) COUCH, ROBERT B, HOUSTON, TEXAS. Evaluation of respiratory virus vaccines (human).

R01AI-32503-03 (**) PERRY, VERNON P, ROCKVILLE, MARYLAND. Freeze-drying of typing sera.

R01AI-32509-02 (**) EDGINGTON, THOMAS S, LA JOLLA, CALIFORNIA. Immunohistochemical assay of hepatitis virus associated antigens (monkeys).

R01AI-32511-02 (**) THOMAS, EDWARD D, SEATTLE, WASHINGTON. Evaluation of typing techniques in clinical homotransplantation.

R01AI-32512-03 (**) TEMPLIS, CONSTANTINE M, BERKELEY, CALIFORNIA. Produce and evaluate antisera used to identify mosquito blood meals.

R01AI-32513-05 (**) WILMS, RONALD W, CHAPEL HILL, NORTH CAROLINA. Efficacy of tissue matching in renal transplants.

R01AI-32516-01 (**) WEBSTER, ROBERT G, MEMPHIS, TENNESSEE. Preparation of antagonist to isolated H and N subunits of influenza viruses.

R01AI-32517-03 (**) AUSTRIAN, ROBERT, PHILADELPHIA, PENNSYLVANIA. Surveillance of pneumococcal infection and evaluation of vaccines.

R01AI-32518-03 (**) VOGEL, MARIETTA, LOS ANGELES, CALIFORNIA. Cultivation of molluscan cell line.

R01AI-32519-02 (**) FOX, EUGENE N, CHICAGO, ILLINOIS. Immunization of humans with group A streptococcal M proteins.

R01AI-32521-01 (**) GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Operation of virus, tissue culture and serology laboratories.

R01AI-32522-01 (**) OGRA, P L, BUFFALO, NEW YORK. Hepatitis study center.

R01AI-32529-02 (**) YOUNGNER, JULIUS S, PITTSBURGH, PENNSYLVANIA. Biological stimulators of interferon.

R01AI-32530-03 (**) GROSSBERG, SIDNEY E, MILWAUKEE, WISCONSIN. Biological stimulators of interferon (bacteria, fungi).

R01AI-40044-04 0056 (**) CANNON, H T, . Survey of data on child abuse.

R01AI-42500-00 (**) STREJAN, GILL H, LONDON, CANADA. Production of allergen (ASC-1) from *Ascaris Suum* (rats).

R01AI-42502-00 (**) MACKANESS, GEORGE B, SARANAC LAKE, NEW YORK. Role of cell-mediated immunity in resistance to parasitic diseases.

R01AI-42503-00 (**) WRIGHT, GEORGE L, JR, NORFOLK, VIRGINIA. Collaborative fractionation study.

R01AI-42504-00 (**) BLANKESPOOR, HARVEY D, ANN ARBOR, MICHIGAN. Provide infectious schistosome material (mollusks, mice, hamsters, ducks).

R01AI-42505-00 (**) DIXON, FRANK J, LA JOLLA, CALIFORNIA. Identify antibodies in diseased human kidney.

R01AI-42507-00 (**) DE WITT, CHARLES W, SALT LAKE CITY, UTAH. Histocompatibility matching.

R01AI-42503-00 (**) VAN ROOD, JON J, LEIDEN, THE NETHERLANDS. Obtain HL-A sera and improve histocompatibility technology (human).

R01AI-42509-01 (**) SIMPSON, ROBERT W, NEW BRUNSWICK, NEW JERSEY. Evaluation of influenza temperature sensitive mutants.

R01AI-42510-01 (**) WEBSTER, ROBERT G, MEMPHIS, TENNESSEE. Isolation and purification of polypeptide antigens of influenza virus.

R01AI-42511-00 (**) OGRA, PEARAY L, BUFFALO, NEW YORK. Clinical evaluation of inactivated influenza virus vaccines.

R01AI-42512-00 (**) WENZEL, RICHARD P, CHARLOTTESVILLE, VIRGINIA. Testing of M pneumoniae vaccine (human).

R01AI-42514-00 (**) GROSSBERG, SIDNEY E, MILWAUKEE, WISCONSIN. Preservation of mammalian interferons as standard reference reagents.

R01AI-42515-01 (**) STEVENS, DAVID A, ROCKVILLE, MARYLAND. Processing and packaging research reagents.

R01AI-42517-00 (**) SHOPE, ROBERT E, NEW HAVEN, CONNECTICUT. Testing and identification of arbovirus research reagents (laboratory animals).

R01AI-42518-00 (**) AMMANN, ARTHUR J, SAN FRANCISCO, CALIFORNIA. Clinical evaluation of bacterial polysaccharide vaccine.

R01AI-42519-00 (**) DEGRAW, J I, MENLO PARK, CALIFORNIA. Preparation of a special antileptotic compound.

R01AI-42520-00 (**) GROSSBERG, SIDNEY E, MILWAUKEE, WISCONSIN. Stabilization studies on human interferon.

R01AI-42521-00 (**) EDMAN, JOHN D, JACKSONVILLE, FLORIDA. Certification of antisera for arthropod blood meals.

R01AI-42522-00 (**) GOOD, ROBERT C, VIENNA, VIRGINIA. Skin reactivity of mycobacterium fraction (guinea pigs).

R01AI-42525-00 (**) JANIS, BURTON, SALT LAKE CITY, UTAH. New antiviral compounds and interferon in rabies prevention (human, animals).

R01AI-42524-00 (**) GLASGOW, LOWELL A, SALT LAKE CITY, UTAH. Research antiviral substances and animal systems.

R01AI-42525-00 (**) DANIEL, THOMAS M, CLEVELAND, OHIO, OHIO. Serologic testing of mycobacterial fractions.

R01AI-42526-00 (**) WAKAWA, B J, MILWAUKEE, WISCONSIN. Synthesis of 20 grams of 2-(3-methoxyphenyl)-N-acetyl-D-neuraminic acid.

R01AI-42527-00 (**) MERIGAN, THOMAS C, STAMFORD, CALIFORNIA. Evaluate human interferon in disseminated varicella-zoster infections.

R01AI-42528-01 (**) COUCH, ROBERT B, HOUSTON, TEXAS. Establishment of an influenza research center.

R01AI-42529-00 (**) RICH, ROBERT R, HOUSTON, TEXAS. Suppression of cell mediated immune responses to T lymphocytes.

R01AI-42530-00 (**) GREENBERG, STEPHEN B, HOUSTON, TEXAS. Transport of interferon across the mucous membrane (human, rabbits).

R01AI-42531-00 (**) BEER, ALAN E, DALLAS, TEXAS. Mammalian pregnancy-immunoregulation of cell mediated hypersensitivity (rats).

R01AI-42533-00 (**) MILLER, FREDERICK, NEW YORK, NEW YORK. Physiologic suppression of cell-mediated immune response.

R01AI-42536-00 (**) FELDSTREIB, HOWARD A, MENLO PARK, CALIFORNIA. In vitro cultivation of *Treponema pallidum*.

R01AI-42537-00 (**) JENKIN, HOWARD M, MINNEAPOLIS, MINNESOTA. In vitro cultivation of *Treponema pallidum*.

R01AI-42538-00 (**) MILLER, JAMES N, LOS ANGELES, CALIFORNIA. In vitro cultivation of *Treponema pallidum*.

R01AI-42541-00 (**) SCHIFFMAN, GERALD, ALBANY, NEW YORK. Operation of pneumococcal polysaccharide reference laboratory.

R01AI-42543-00 (**) MOSTOW, STEVEN R, CLEVELAND, OHIO. Development of 'An in vitro assay of attenuation of live influenza viruses'.

R01AI-42543-00 (**) PONS, MARCEL W, NEW YORK, NEW YORK. Detection of respiratory virus genome in human tissues.

R01AI-42544-00 (**) ZOOK, BERNARD C, WASHINGTON, DISTRICT OF COLUMBIA. Provide and maintain animals for viral antiserum production.

R01AI-42546-00 (**) GLIBICH, G J, ROCHESTER, MINNESOTA. Establish allergen certification laboratory.

R01AI-42547-00 (**) HEINER, DOUGLAS C, TORRANCE, CALIFORNIA. Production of anti-human IgE reference reagents.

R01AI-42548-00 (**) GUERRANT, RICHARD L, CHARLOTTESVILLE, VIRGINIA. Incidence of diarrhea caused by enterotoxin producing E cell (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

N01A1-42549-00 (** BANWELL, JOHN G, LEXINGTON, KENTUCKY. Incidence of diarrhea caused by enterotoxin producing E coli (human).
 N01A1-42550-00 (** SMITH, DAVID H, BOSTON, MASSACHUSETTS. Hemophilus influenzae type b vaccine (human).
 N01A1-42551-00 (** KOUNTZ, SAMUEL L, NEW YORK, NEW YORK. Evaluation of histocompatibility matching in renal transplantation (human).
 N01A1-42552-00 (** CARPENTER, C B, BOSTON, MASSACHUSETTS. Evaluation of histocompatibility matching in renal transplantation.
 N01A1-42553-00 (** HORNICK, RICHARD B, BALTIMORE, MARYLAND. Facility for study of infectious agents in adult volunteers.
 N01A1-42554-00 (** ECKERT, EDWARD A, ANN ARBOR, MICHIGAN. Study rabies virus antigen (mice).
 N01A1-42555-00 (** GOOD, ROBERT C, VIENNA, VIRGINIA. Evaluation of Youmans' ribosomal tuberculosis vaccine in guinea pigs.
 N01A1-42556-00 (** GUTTMAN, HELENE N, CHICAGO, ILLINOIS. Cultivation of mycobacterium lepraemurium.
 N01A1-42557-00 (** FERRONE, SOLDANO, LA JOLLA, CALIFORNIA. Production of HL-A xenotransfers.
 N01A1-42558-00 (** SLOAN, FRANK A, GAINESVILLE, FLORIDA. Infections and allergic disease impact on health and quality of life.
 N01A1-50992-08 (** VAN ROOD, JON J, LEIDEN, NETHERLANDS. Obtain HL-A sera and improve histocompatibility technology (human).
 N01A1-70059-13 (** HANDLEY, CHARLES O, WASHINGTON, DISTRICT OF COLUMBIA. Mammal identification service.
 N01A1-71188-09 (** PHILLIPS, CHARLES A, BURLINGTON, VERMONT. Testing and certifying rhinovirus reference reagents (goats).
 N01A1-80621-11 (** DIXON, FRANK J, LA JOLLA, CALIFORNIA. Identify antibodies in diseased human kidney.
 N01A1-80640-10 (** KUBICA, GEORGE P, SARANAC LAKE, NEW YORK. Operation of mycobacterial collection.
 N01A1-80654-12 (** HIRSCHY, ROGER E, MC LEAN, VIRGINIA. Communication services for interferon investigators.
 N01A1-80679-09 (** LENNETTE, EDWIN H, SACRAMENTO, CALIFORNIA. Production of arbovirus reference reagents.
 N01A1-81266-12 (** GALIN, MILES A, NEW YORK, NEW YORK. Interferon inducers in herpetic infections of eyes.
 N01A1-81298-10 (** BRAUN, WILLIAM E, CLEVELAND, OHIO. Human tissue typing center.
 N01A1-81406-10 (** GILDEN, BAYMOND V, ROCKVILLE, MARYLAND. Maintenance and breeding of research animals (rabbits).
 N01A1-90089-07 (** LENNETTE, EDWIN H, BERKELEY, CALIFORNIA. Certification of viral reagents.
 N01A1-90092-09 (** MC CALL, JOHN W, ATHENS, GEORGIA. Filariasis chemotherapy and repository-research services.
 N01A1-92062-09 (** HAMPARIAN, VINCENT V, COLUMBUS, OHIO. Maintenance of rhinovirus reference center.
 P01AM-00002-28 (AMP) TYLER, FRANK H, UNIVERSITY OF UTAH, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Metabolic and hereditary disorders.
 P01AM-00002-28 0003 (AMP) WINTROBE, MAXWELL M. Metabolic and hereditary disorders-ATP transphosphorylases (human, rabbits, calves, yeast).
 P01AM-00002-28 0011 (AMP) WINTROBE, MAXWELL M. Metabolic and hereditary disorders-Lipoproteins and lipid transport (human, cattle).
 P01AM-00002-28 0012 (AMP) WINTROBE, MAXWELL M. Metabolic and hereditary disorders-Mechanism of action of penicillin.
 P01AM-00002-28 0013 (AMP) TYLER, FRANK H. Metabolic and hereditary disorders-Chromosomal disorders (human).
 P01AM-00002-28 0014 (AMP) TYLER, FRANK H. Metabolic and hereditary disorders-Steroid studies.
 P01AM-00002-28 0015 (AMP) TYLER, FRANK H. Metabolic and hereditary disorders-Crystalline D-glucose 6-phosphate dehydrogenase (yeast).
 R01AM-00008-26 (END) WERNER, SIDNEY C, COLUMBIA UNIVERSITY, 640 WEST 168TH STREET, NEW YORK, N Y. Normal and disordered thyroid states in man (and rats).
 R01AM-00028-22 (PC) ROSENBERG, LAWRENCE C, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Characterization of cartilage ground substances (human, cattle).
 R01AM-00068-23 (HEM) GLASS, GEORGE B, NEW YORK MEDICAL COLLEGE, 5TH AVENUE AND 106TH ST, NEW YORK, N Y. Mucoproteins, intrinsic factor, B12 vitamins (human, animals).
 R01AM-00110-23 (END) LIEBERMAN, SEYMOUR, COLLEGE OF PHYSICIANS AND SURG, 630 W 168 STREET, NEW YORK, N Y. Chemical methods in steroid metabolism (rats, cattle).
 R01AM-00149-22 (GMB) PONSETI, IGNACIO V, UNIVERSITY HOSPITALS, DEPT OF ORTHOPAEDIC SURGERY, IOWA CITY, IOWA. Mucopolysaccharides in skeletal growth disorders.
 R01AM-00149-22 0001 (GMB) PONSETI, IGNACIO V. Mucopolysaccharides in skeletal growth disorders-Iliac crest cartilage of achondroplastic children.
 R01AM-00149-22 0002 (GMB) PONSETI, IGNACIO V. Mucopolysaccharides in skeletal growth disorders-Children with idiopathic adolescent scoliosis.
 R01AM-00149-22 0003 (GMB) PONSETI, IGNACIO V. Mucopolysaccharides in skeletal growth disorders-Protoglycans-collagen interactions.
 R01AM-00149-22 0004 (GMB) PONSETI, IGNACIO V. Mucopolysaccharides in skeletal growth disorders-Iliac crest cartilage from children with skeletal growth disorders.
 R01AM-00149-22 0005 (GMB) PONSETI, IGNACIO V. Mucopolysaccharides in skeletal growth disorders-Extraction and purification of proteoglycans of iliac crest cartilage.
 R01AM-00149-22 0006 (GMB) PONSETI, IGNACIO V. Mucopolysaccharides in skeletal growth disorders-Extraction and purification of collagen from vertebral discs.
 R01AM-00149-22 0007 (GMB) PONSETI, IGNACIO V. Mucopolysaccharides in skeletal growth disorders-Protoglycans containing tightly bound collagen peptides.
 R01AM-00162-23 (PHRA) YU, TS'AI-FAN, MOUNT SINAI HOSPITAL, FIFTH AVE AT 100TH STREET, NEW YORK, N Y. Purine metabolism and gouty arthritis (human, dogs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01AM-00180-23 (END) MIGEON, CLAUDE J, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Relation of hormones to growth and development (human).
 R01AM-00289-25 (PTHA) SCOTT, EARL B, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILION, S DAK. Histopathology of amino acid deficiencies (rats).
 R01AM-00432-24 (END) D'ANGELO, SAVINO A, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Hypothalamic-hypophysial-thyroid interaction (rats).
 R01AM-00546-23 (BIO) SPRINSON, DAVID B, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N Y. Sugars and synthesis of amino acids (bacteria, yeast).
 R01AM-00562-21 (PC) GUNSALUS, IRWIN C, UNIVERSITY OF ILLINOIS, DEPT OF BIOCHEMISTRY, URBANA, ILL. Study of metabolic mechanisms (bacteria, plants).
 R01AM-00567-21 (MET) KNOX, W EUGENE, NEW ENGLAND DEACONESS HOSP, 185 PILGRIM ROAD, BOSTON, MASS. Regulation of tyrosine and tryptophan metabolism (rats, human).
 R01AM-00668-20 (GMB) HARRISON, HAROLD E, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Calcium and phosphate transport (rats).
 R01AM-00709-21 (MCHB) DAUBEN, WILLIAM G, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Ultraviolet irradiation of natural products.
 R01AM-00745-20 (HEM) HARRIS, JOHN W, CLEVELAND METRPLTN GEN HOSP, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Erythrocyte production and destruction (human, monkeys).
 R01AM-00780-23 (HEM) SCHNEIDER, ROSE G, UNIVERSITY OF TEXAS MEDICAL BR, GALVESTON, TEX. Hemoglobin variants in relation to disease (human).
 R01AM-00803-20 (PC) DICRMAN, SHERMAN R, UNIVERSITY OF UTAH, 3C-112 MEDICAL CENTER, SALT LAKE CITY, UTAH. Methionine-tRNA synthetase (cattle, rats, rabbits, human).
 R01AM-00884-19 (MBC) BALLOU, CLINTON E, UNIVERSITY OF CALIFORNIA, 401 BIOCHEMISTRY BLDG, BERKELEY, CALIF. Complex phospholipids of Mycobacterium species.
 R01AM-00888-19 (MET) FAJANS, STEFAN S, UNIVERSITY OF MICHIGAN, C-7129 UNIVERSITY HOSPITAL, ANN ARBOR, MICH. Prediction and long-term study of future diabetes (human).
 R01AM-00218-19 (PTHA) CHURG, JACOB, MOUNT SINAI SCHOOL OF MED, FIFTH AVENUE & 100TH STREET, NEW YORK, N Y. Renal, vascular and pulmonary structure in disease (human, rats).
 R01AM-01005-22 (PC) KIDDER, GEORGE W, AMHERST COLLEGE, BIOLOGICAL LABORATORY, AMHERST, MASS. Metabolic studies on animal microorganisms (protozoans).
 R01AM-01022-18 (HED) VAN WYK, JUDSON J, UNIV OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Role of endocrine secretions in growth and development (human, rats).
 R01AM-01059-19 (MET) SCHEINBERG, I HERBERT, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Hereditary defects in protein synthesis (human, rats).
 R01AM-01107-18 (PC) YANG, JORDAN J, OKLAHOMA MEDICAL RES FDN, 825 N E 13TH STREET, OKLAHOMA CITY, OKLA. Components of human gastric juice (human, mammals).
 R01AM-01128-18 (PC) HOPMANN, KLAUS, UNIVERSITY OF PITTSBURGH, 1276-A SCAIFE HALL, PITTSBURGH, PA. ACTH, its receptors, antagonists and mode of action (cattle).
 R01AM-01226-18 (PTHA) LACY, PAUL E, WASHINGTON UNIV MED SCH, 660 SOUTH EUCLID, ST LOUIS, MO. Electron microscopy of islet cells (human, rats, lizards).
 R01AM-01229-18 (GMA) EPSTEIN, WALLACE V, UNIVERSITY OF CALIFORNIA, 3RD AVENUE & PARNASSUS, SAN FRANCISCO, CALIF. Nature of human anti-gamma globulins (also mice).
 R01AM-01237-18 (END) PORTER, JOHN C, UNIV TEXAS SW MEDICAL SCHOOL, 5323 HARRY HINES BLVD, DALLAS, TEX. Hypothalamic control of ACTH and LH secretion (rats).
 R01AM-01240-18 (END) SANDBERG, AVERY A, 666 ELM STREET, BUFFALO, N Y. Protein binding and biliary excretion of steroids (human, animals).
 R01AM-01255-18 (END) SCHNEIDER, JOHN J, JEFFERSON MED COLLEGE, 1025 WALNUT STREET, PHILADELPHIA, PA. General studies in steroid metabolism (animals, plants).
 R01AM-01260-18 (BIO) MERRIFIELD, ROBERT B, ROCKEFELLER UNIVERSITY, YORK AVE & 66TH STREET, NEW YORK, N Y. Synthetic enzymes and solid phase peptide synthesis.
 R01AM-01320-18 (BBCB) LOW, BARBARA W, COLUMBIA UNIVERSITY, 630 WEST 168TH ST, NEW YORK, N Y. Structure of proteins and peptide hormones.
 R01AM-01324-18 (END) LEBOVITZ, HAROLD E, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N C. Hormones and intermediary metabolism (human, animals).
 R01AM-01383-18 (PC) PORTER, JOHN W, UNIVERSITY OF WISCONSIN, DEPT OF PHYSIOLOGICAL CHEM, MADISON, WIS. Enzymatic synthesis of cholesterol and fatty acids (rats, pigeons, tomato).
 R01AM-01392-18 (MET) ISSELBACHER, KURT J, MASSACHUSETTS GENERAL HOSP, BOSTON, MASS. Structure and function of intestinal cell membranes.
 R01AM-01392-18 0001 (MET) ISSELBACHER, KURT J. Structure and function of intestinal cell membranes-Transport properties of membranes (rat microvillus, lateral-basal membrane).
 R01AM-01392-18 0002 (MET) ISSELBACHER, KURT J. Structure and function of intestinal cell membranes-Gamma glutamyl cycle and intestinal amino acid transport.
 R01AM-01392-18 0003 (MET) ISSELBACHER, KURT J. Structure and function of intestinal cell membranes-Transport studies in experimental and clinical disorders.
 R01AM-01410-16 (MET) GRODSKY, GEROLD M, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Insulin production by the perfused pancreas (rats, hamsters).
 P01AM-01431-18 (AMP) FRANKLIN, EDWARD C, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Rheumatic diseases.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1AM-01431-18 0001 (AMP) FRANKLIN, EDWARD C. Rheumatic diseases-Immunology (human).

PO1AM-01431-18 0002 (AMP) ROSENBERG, LAWRENCE C. Rheumatic diseases-Biochemistry (cattle).

PO1AM-01431-18 0003 (AMP) ZUCKER-FRANKLIN, DOROTHEA. Rheumatic diseases-Electron microscopy (human, mice).

PO1AM-01431-18 0004 (AMP) BUXBAUM, JOEL N. Rheumatic diseases-Cell biology (human, mice).

PO1AM-01431-18 0005 (AMP) QUAGLIATA, FRANCO. Rheumatic diseases-Cellular immunology (rats).

PO1AM-01431-18 0006 (AMP) KANTOR, THOMAS G. Rheumatic diseases-Clinical pharmacology.

PO1AM-01431-18 0007 (AMP) SOREN, ARNOLD. Rheumatic diseases-Pathology (human).

RO1AM-01447-19 (END) GREER, MONTE A, UNIVERSITY OF OREGON, 3181 SW SAM JACKSON PARK ROAD, PORTLAND, OREG. Neuroendocrine and thyroid physiology (rats).

RO1AM-01448-18 (PC) SNIEL, ESMOND E, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, BERKELEY, CALIF. Catalytic functions and metabolism of vitamin B6 (bacteria, fungi).

RO1AM-01483-18 (GMB) SCHACHTER, DAVID, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Transport of calcium (human, hamsters, rats).

RO1AM-01489-17 (TOX) RECKNAGEL, RICHARD O, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Toxic liver necrosis and fatty liver (rats).

RO1AM-01506-17 (END) TAPLEY, DONALD F, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Effect of thyroxine on mitochondria (rats).

RO1AM-01526-18 (END) DAUGHADAY, WILLIAM H, WASHINGTON UNIV SCH OF MED, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Hormonal control on chondroitin sulfate synthesis (human, animals).

RO1AM-01549-18 (BIO) METZLER, DAVID E, IOWA STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYSICS, AMES, IOWA. Action of B vitamins in enzymic catalysis.

RO1AM-01567-18 (END) RABEN, MAURICE S, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Action and clinical evaluation of growth hormone (human, rats).

RO1AM-01588-18 (GMB) LAUSON, HENRY D, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Metabolism of antidiuretic hormone (dogs, rats).

RO1AM-01677-17 (MET) HERMBERG, MURRAY, VANDERBILT UNIV SCH OF MED, DEPT OF PHARMACOLOGY, NASHVILLE, TENN. Regulatory mechanisms in lipid metabolism (rats, human).

RO1AM-01738-16 (END) ALBERT, A, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN. Protein hormones in the body fluids of man.

RO1AM-01825-16 (BBCB) BENSUNAN, HOWARD B, DEPT OF BIOCHEM, CASE WESTERN RESERVE UNIV, CLEVELAND, OHIO. Mechanism of collagen formation (human, mammals, chickens, marine organisms).

RO1AM-01845-17 (PC) OCHOA, SEVERO, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVE, NEW YORK, N Y. Enzymic mechanisms in biosynthesis (bacteria, shrimp).

RO1AM-01855-20 (BIO) GRISOLIA, SANTIAGO, UNIVERSITY OF KANSAS MED CTR, 39TH AND RAINBOW BLVD, KANSAS CITY, KANSAS. N-acetyl, N-carbonyl amino acid metabolism (human, cattle).

RO1AM-01921-17 (MET) KIPNIS, DAVID M, WASH UNIV SCHOOL OF MED, INTERNAL MED-METABOLISM DIV, ST LOUIS, MO. Transport processes in mammalian cells (human, rodents).

RO1AM-01940-16 (GMB) SAWYER, WILBUR H, COLUMBIA UNIV, 630 WEST 168TH STREET, NEW YORK, N Y. Neurohypophysial regulation of water excretion (rats, cats, fish).

RO1AM-02001-17 (MET) BUSE, MARIA G, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Factors that modify insulin action (rats).

RO1AM-02015-16 (GMA) CODE, CHARLES F, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Motor and electrical activity of the alimentary canal.

RO1AM-02015-16 0008 (GMA) CODE, CHARLES F. Motor and electrical activity of the alimentary canal-Control of motor activity across the gastroduodenal junction (dogs).

RO1AM-02015-16 0009 (GMA) CODE, CHARLES F. Motor and electrical activity of the alimentary canal-Control of interdigestive electrical complex of small bowel (dogs).

RO1AM-02015-16 0011 (GMA) CODE, CHARLES F. Motor and electrical activity of the alimentary canal-Vagal control of interdigestive myoelectric complex.

RO1AM-02015-16 0012 (GMA) CODE, CHARLES F. Motor and electrical activity of the alimentary canal-Motor correlates of interdigestive myoelectric complex of the dog.

RO1AM-02015-16 0013 (GMA) CODE, CHARLES F. Motor and electrical activity of the alimentary canal-Motor responses of gallbladder to CCK in guinea pigs.

RO1AM-02015-16 0014 (GMA) CODE, CHARLES F. Motor and electrical activity of the alimentary canal-Pacesetter potential and action potential in small bowel.

RO1AM-02019-17 (MET) ARIAS, IRWIN M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, NEW YORK, N Y. Mechanism of bile pigment excretion (human, rats).

RO1AM-02096-15 (HEM) SCHWARTZ, SAMUEL, UNIV OF MINNESOTA, DEPT OF MEDICINE, MINNEAPOLIS, MINN. Metabolic studies of congenital bovine porphyria (hens, sheep).

NO1AM-02100-10 (**) FISHER, BRUCE S, LOS ANGELES, CALIFORNIA. Clinical evaluation of polycarbonate membranes for hemodialysis.

RO1AM-02109-17 (MBC) RABINOWITZ, JESSE C, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, BERKELEY, CALIF. Purine and pteridine metabolism in microorganisms.

NO1AM-02112-03 (**) FISHER, JAMES W, NEW ORLEANS, LOUISIANA. Study of anemia in patients with renal disease.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1AM-02131-17 (MET) NAIR, PADMANABHAN P, SINAI HOSPITAL, INC, BIOCHEMISTRY RESEARCH DIV, BALTIMORE, MD. Trace lipids in cell function.

RO1AM-02131-17 0005 (MET) NAIR, PADMANABHAN P. Trace lipids in cell function-Vitamin E (rats).

RO1AM-02131-17 0006 (MET) NAIR, PADMANABHAN P. Trace lipids in cell function-Vitamin D.

RO1AM-02131-17 0007 (MET) NAIR, PADMANABHAN P. Trace lipids in cell function-Biolo acids (rats).

RO1AM-02131-17 0008 (MET) NAIR, PADMANABHAN P. Trace lipids in cell function-Steroids.

RO1AM-02131-17 0009 (MET) NAIR, PADMANABHAN P. Trace lipids in cell function-Di-2-ethylhexyl phthalate (cattle, rats).

RO1AM-02133-17 (GMA) KIRSNER, JOSEPH B, UNIVERSITY OF CHICAGO, 950 E 59TH ST, CHICAGO, ILL. Clinical studies of ulcerative colitis.

RO1AM-02133-17 0031 (GMA) KIRSNER, JOSEPH B. Clinical studies of ulcerative colitis-Computerized ulcerative colitis project.

RO1AM-02133-17 0032 (GMA) ROSENBERG, IRWIN H. Clinical studies of ulcerative colitis-Azathioprine (Imuran) for ulcerative colitis.

RO1AM-02133-17 0033 (GMA) PALMER, ROBERT H. Clinical studies of ulcerative colitis-Liver in inflammatory bowel disease (mice).

RO1AM-02133-17 0037 (GMA) REXLY, RICHARD W. Clinical studies of ulcerative colitis-Biological properties of intestinal epithelial cells.

RO1AM-02133-17 0040 (GMA) KRAFT, SUMNER C. Clinical studies of ulcerative colitis-Immunology (human, rabbits).

RO1AM-02133-17 0044 (GMA) FISHMAN, F L. Clinical studies of ulcerative colitis-Inflammatory bowel disease-A changing diagnosis.

RO1AM-02133-17 0045 (GMA) LEVIN, BERNARD. Clinical studies of ulcerative colitis-Azathioprine in the management of Crohn's disease.

RO1AM-02133-17 0046 (GMA) REXLY, RICHARD W. Clinical studies of ulcerative colitis-Exfoliative cytology in inflammatory bowel disease.

RO1AM-02133-17 0047 (GMA) REXLY, RICHARD W. Clinical studies of ulcerative colitis-Intestinal phase of the rumting syndrome.

RO1AM-02133-17 0048 (GMA) LAYDEN, T. Clinical studies of ulcerative colitis-Reversal of growth retardation in regional enteritis.

RO1AM-02133-17 0049 (GMA) BAKER, ALFRED. Clinical studies of ulcerative colitis-Natural history of liver disease with inflammatory bowel disease.

RO1AM-02150-16 (SGYB) WANGENSTEEN, OWEN H, UNIVERSITY OF MINNESOTA HOSP, P O BOX 610, MINNEAPOLIS, MINN. Etiology of peptic ulcer-Role of pepsin (dogs, human, rabbits, rats, cats).

RO1AM-02189-15 (HEM) MURPHY, JOHN R, UNIVERSITY HOSPITALS, 2065 ADELBERT RD, CLEVELAND, OHIO. Energy metabolism of erythrocyte (human, dogs).

RO1AM-02215-14 (IMB) FERREBEE, JOSEPH W, MARY IMOGENE BASSETT HOSPITAL, COOPERSTOWN, N Y. Spare parts-Homografts of bone marrow (dogs).

RO1AM-02217-15 (PHY) HUANG, KEE C, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Mechanism of renal tubular and intestinal transport (dogs, rats, hamsters).

NO1AM-02219-06 (**) AVIOLI, LOUIS V, ST LOUIS, MISSOURI. Study hormonal regulation of bone metabolism (rats).

RO1AM-02244-16 (MET) FAJANS, STEFAN S, UNIVERSITY HOSPITAL, DIV OF ENDOCRINOLOGY & METABO, ANN ARBOR, MICH. Carbohydrate metabolism (human, dogs).

RO1AM-02255-16 (BM) COLE, BARRY C, UNIVERSITY OF UTAH MED CTR, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Mycoplasma in animal and human disease (human, mice, rats).

RO1AM-02290-15 (GMA) WERTHER, J LAWRENCE, MOUNT SINAI HOSPITAL, 1 EAST 100TH STREET, NEW YORK, N Y. Source and significance of gastric juice potassium (human, dogs).

RO1AM-02306-16 (PHY) WALSER, MACKENZIE, JOHNS HOPKINS SCH OF MED, 725 NORTH WOLFE STREET, BALTIMORE, MD. Ionic interactions in electrolyte metabolism (loads).

RO1AM-02372-16 (SGYB) WOODWARD, EDWARD R, UNIVERSITY OF FLORIDA, DEPARTMENT OF SURGERY, GAINESVILLE, FLA. Neurohumoral mechanisms influencing gastric function (monkeys, dogs, minipigs).

RO1AM-02373-16 (IMB) TERASAKI, PAUL I, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF SURGERY, LOS ANGELES, CALIF. HLA antigens in diseases (human).

RO1AM-02448-16 (NTN) GUBLER, CLARK J, DEPARTMENT OF CHEMISTRY, BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH. Physiological functions and metabolism of thiamine (rats).

RO1AM-02449-16 (BBCA) PERLMANN, GERTRUDE B, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Protein structure and biological function (swine, chickens, microorganisms).

PO1AM-02456-15 (AMP) WILLIAMS, ROBERT H, UNIVERSITY OF WASHINGTON, DEPT OF MEDICINE, SEATTLE, WASH. Diabetes studies (human, rats, dogs, monkeys).

RO1AM-02463-16 (END) HALMI, NICHOLAS S, UNIVERSITY OF IOWA, 1-450 BASIC SCIENCES BLDG, IOWA CITY, IOWA. Investigation of the thyroid and pituitary (human, rats).

RO1AM-02479-16 (PC) WEISSMANN, BERNARD, UNIVERSITY OF ILLINOIS, DEPT OF BIOLOGICAL CHEM, CHICAGO, ILL. Isolation and structure of acid mucopolysaccharides (rats, cattle).

RO1AM-02483-16 (MET) TOVE, SAMUEL B, NORTH CAROLINA STATE UNIV, P O BOX 5050, RALEIGH, N C. Metabolism of unsaturated fatty acids (rumen bacteria, mice, chickens).

RO1AM-02493-16 (BBCB) CRAIG, LYMAN C, THE ROCKEFELLER UNIV, 66TH STR AND YORK AVE, NEW YORK, N Y. Purification and structure of active principles.

RO1AM-02528-15 (BBCB) LOVE, WARNER E, JOHNS HOPKINS UNIVERSITY, 34TH & CHARLES STS, BALTIMORE, MD. X-ray structure analysis of biological molecules (marine animals, legumes).

RO1AM-02534-16 (GMA) SCHEDL, HAROLD P, UNIVERSITY HOSPITALS, DEPARTMENT OF MEDICINE, IOWA CITY, IOWA. Small intestinal absorption in malabsorption syndromes (rats).

RO1AM-02585-16 (MET) ROSENBERG, ISADORE N, BOSTON UNIVERSITY MED SERV, BOSTON CITY HOSPITAL, BOSTON, MASS. Iodine metabolism of the thyroid gland (human, cattle, mice, yeast).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01AM-02594-16 (ALY) FRANKLIN, EDWARD C, NEW YORK UNIV MED CENTER, 550 FIRST AVENUE, NEW YORK, N. Y. Structure of immunoglobulins and related proteins (human).
- R01AM-02647-18 (BBCB) DE VILLAFRANCA, GEORGE W, SMITH COLLEGE, CLARK SCIENCE CENTER, NORTHAMPTON, MASS. Biochemistry and localization of muscle proteins (arthropods, mollusks, rabbits).
- R01AM-02723-16 (SOYA) HOWARD, JOHN M, HAHNEMANN MEDICAL COL & HOSP, 230 NORTH BROAD ST, PHILADELPHIA, PA. Study of pancreatitis and its treatment.
- R01AM-02767-14 (PTHA) NICHOLS, JOHN M, DEPT OF PATHOLOGY B ONCOLOGY, UNIV OF KANSAS MEDICAL CENTER, KANSAS CITY, KANS. Evaluation of adrenocortical inhibitors (human, dogs).
- R01AM-02809-16 (MBY) RICE, ROBERT V, CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Biophysical studies on fibrous proteins (hog, rabbit, hamsters, squid).
- R01AM-02818-16 (END) GILBERT, LAWRENCE I, NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCI, EVANSTON, ILL. Biochemical analysis of the action of insect hormones.
- R01AM-02827-15 (GMA) CODE, CHARLES F, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Water and electrolyte fluxes across gastrointestinal mucosa (human, dogs, rats).
- R01AM-02831-22 (BBCB) TAYLOR, JOHN F, UNIV OF LOUISVILLE SCH OF MED, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Sulfhydryl groups and properties of hemoglobin (human, ungulates, dogs).
- R01AM-02856-16 (GMA) DISCHE, ZACHARIAS, 635 W 165TH STREET, NEW YORK, N. Y. Cystic fibrosis of the pancreas (human, dogs, cats).
- R01AM-02896-14 (BBCB) BIERBE, RALPH A, AMHERST COLLEGE, DEPARTMENT OF CHEMISTRY, AMHERST, MASS. The surface chemistry of bone mineral.
- R01AM-02911-15 (NTN) MAYER, JEAN, HARVARD SCHOOL OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Metabolic aspects of obesity (mice).
- R01AM-03014-16 (MBY) ISSELBACHER, KURT J, MASSACHUSETTS GENERAL HOSP, BOSTON, MASS. Metabolic studies of intestinal mucosa.
- R01AM-03108-15 (MET) JOHNSON, JOHN M, SOUTHWESTERN MEDICAL SCHOOL, 5323 HARRY HINES BLVD, DALLAS, TEX. Intestinal absorption of lipids (hamsters, mice, yeast).
- R01AM-03270-15 (END) SHAIN, SYDNEY A, SOUTHWEST FDN FOR RES & EDUC, P O BOX 28147, SAN ANTONIO, TEX. Steroid intermediate metabolism (human, primates).
- R01AM-03288-15 (BBCA) JENSEN, LYLE H, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Molecular structure (bacteria).
- R01AM-03361-15 (SOYB) LILLEBI, RICHARD C, UNIV OF MINNESOTA HOSP, MAYO BOX, MINNEAPOLIS, MINN. Organ survival under experimental conditions (dogs).
- R01AM-03370-15 (END) KITAY, JULIAN I, UNIVERSITY OF VIRGINIA, ENDOCRINE LAB, BOX 258, CHARLOTTESVILLE, VA. Factors influencing pituitary-adrenal function (rodents).
- R01AM-03373-15 (PC) LACY, PAUL E, WASHINGTON UNIV MEDICAL SCH, 660 SOUTH EUCLID, ST LOUIS, MO. Microenzymatic studies of islets of Langerhans (rats, lizards, rabbits, human).
- R01AM-03416-15 (MCHA) HISKIEY, RICHARD G, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF CHEMISTRY, CHAPEL HILL, N. C. Synthesis and chemistry of oriented peptides.
- R01AM-03419-15 (END) GUT, MARCEL, WORCESTER FDN FOR EXPR BIO, 222 MAPLE AVENUE, SHREWSBURY, MASS. Synthesis of labeled adrenal hormones (cattle).
- R01AM-03428-15 (BO) RATNER, SARAH, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N. Y. Mechanisms of nitrogen transfer and urea formation (birds, rats, cattle).
- R01AM-03442-15 (MBC) BROWN, GENE M, MASSACHUSETTS INST OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Biosynthesis of B vitamins (microorganisms).
- R01AM-03524-15 (NTN) LYON, JOHN B, JR, EMORY UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, ATLANTA, GA. Role of vitamin B6 in metabolism (mice).
- R01AM-03535-15 (END) MUNCK, ALLAN U, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF PHYSIOLOGY, HANOVER, N. H. Mode of action of steroid hormones (rats).
- R01AM-03539-15 (END) SCHEER, BRADLEY T, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG. Endocrine regulation-Comparative studies (frogs, crustaceans).
- P01AM-03555-15 (AMP) BENNETT, J CLAUDE, UNIV OF ALA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA. Coordinated studies in rheumatic diseases.
- P01AM-03555-15 0001 (AMP) BENNETT, J CLAUDE. Coordinated studies in rheumatic diseases-Structure of immunoglobulin M (human, fish, amphibians).
- P01AM-03555-15 0002 (AMP) NIEDERMEIER, WILLIAM. Coordinated studies in rheumatic diseases-Carbohydrate structure of immunoglobulin M (human).
- P01AM-03555-15 0003 (AMP) STROUD, ROBERT M. Coordinated studies in rheumatic diseases-Component components (human, rabbits, chickens).
- P01AM-03555-15 0004 (AMP) SCHROENLOHER, RALPH. Coordinated studies in rheumatic diseases-Structure and function of immunoglobulin M and its subunits (human).
- P01AM-03555-15 0005 (AMP) JOHNSON, BRIAN. Coordinated studies in rheumatic diseases-Peptide synthesis.
- P01AM-03555-15 0006 (AMP) MILLER, EDWARD. Coordinated studies in rheumatic diseases-Collagen components of glomerular basement membrane.
- R01AM-03556-14 (MET) IZZO, JOSEPH L, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Insulin, glucagon, proinsulin (rats, human, pigs).
- P01AM-03564-15 (SSS) GROSS, JEROME, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Mesenchymal tissues and their diseases.
- P01AM-03564-15 0004 (SSS) KANG, A H. Mesenchymal tissues and their diseases-Collagen intermolecular crosslinking (rats).
- P01AM-03564-15 0005 (SSS) TRELSTAD, R C. Mesenchymal tissues and their diseases-Molecular heterogeneity of collagen (chicks).
- P01AM-03564-15 0006 (SSS) TOOLE, B P. Mesenchymal tissues and their diseases-Collagen heterogeneity in growing bone in rickets (chicks).
- P01AM-03564-15 0007 (SSS) HARPER, E. Mesenchymal tissues and their diseases-Zymogen of tadpole collagenase.
- P01AM-03564-15 0008 (SSS) GROSS, J. Mesenchymal tissues and their diseases-Collagenase degradation.
- P01AM-03564-15 0009 (SSS) ABRAMSON, M. Mesenchymal tissues and their diseases-Collagenase in human cholestatoma.
- P01AM-03564-15 0010 (SSS) TOOLE, B P. Mesenchymal tissues and their diseases-Salamander limb regeneration.
- P01AM-03564-15 0011 (SSS) TOOLE, B P. Mesenchymal tissues and their diseases-Chick embryo corneal development.
- P01AM-03564-15 0012 (SSS) MEDOFF, J. Mesenchymal tissues and their diseases-Role of nerve in organogenesis.
- P01AM-03564-15 0013 (SSS) KRANE, S M. Mesenchymal tissues and their diseases-Collagenous structures destruction in rheumatoid arthritis.
- P01AM-03564-15 0014 (SSS) BLOCH, K J. Mesenchymal tissues and their diseases-Receptor for homocytotropic antibodies (rats).
- P01AM-03564-15 0015 (SSS) MULLS, JOHN A. Mesenchymal tissues and their diseases-Antigen sequential pulse labeling of lymphocytes.
- P01AM-03564-15 0016 (SSS) ROBINSON, D. Mesenchymal tissues and their diseases-Structure and denaturation of proteins.
- P01AM-02564-15 0017 (SSS) HATCHER, VICTOR B. Mesenchymal tissues and their diseases-Alpha-acid glycoprotein of human plasma.
- P01AM-02564-15 0018 (SSS) HATCHER, VICTOR B. Mesenchymal tissues and their diseases-Cervical mucin of the monkey.
- P01AM-02564-15 0019 (SSS) GARG, H G. Mesenchymal tissues and their diseases-Synthesis of glycopeptides.
- P01AM-03564-15 0020 (SSS) JEANLOZ, ROGER W. Mesenchymal tissues and their diseases-Identification of methylated hexosamines and heptoses.
- P01AM-03564-15 0021 (SSS) WALKER, A W. Mesenchymal tissues and their diseases-Di-n-acetylisocthiobiose asparagine synthesis.
- P01AM-03564-15 0022 (SSS) WALKER, A W. Mesenchymal tissues and their diseases-Methyl 2-acetamido-3,6-anhydro-alpha-d-glucoside synthesis.
- P01AM-03564-15 0023 (SSS) WOLD, J K. Mesenchymal tissues and their diseases-Intestinal mucin of germline rats.
- P01AM-02564-15 0024 (SSS) BOUSSEL, PHILIPPE. Mesenchymal tissues and their diseases-Chemical structure of cystic fibrosis mucin (human).
- P01AM-03564-15 0025 (SSS) TKACJ, J S. Mesenchymal tissues and their diseases-Biosynthesis of glycoproteins.
- P01AM-03564-15 0026 (SSS) KRANE, STEPHEN, M. Mesenchymal tissues and their diseases-Destruction of collagenous structures in rheumatoid arthritis.
- P01AM-03564-15 0027 (SSS) MULLS, JOHN A. Mesenchymal tissues and their diseases-Blastogenic factor.
- P01AM-03564-15 0028 (SSS) BLOCH, KURT, J. Mesenchymal tissues and their diseases-Surface receptors (human, rabbits).
- P01AM-03564-15 0029 (SSS) ROBINSON, DWIGHT, R. Mesenchymal tissues and their diseases-Mechanisms of enzyme action.
- P01AM-03564-15 0030 (SSS) GROSS, JEROME. Mesenchymal tissues and their diseases-Structure of collagen.
- P01AM-03564-15 0031 (SSS) KANG, A H. Mesenchymal tissues and their diseases-Homocystinuria (human).
- P01AM-03564-15 0032 (SSS) KANG, A H. Mesenchymal tissues and their diseases-Collagen heterogeneity.
- P01AM-03564-15 0033 (SSS) HARPER, E. Mesenchymal tissues and their diseases-Collagen degradation-Animal collagenases.
- P01AM-03564-15 0024 (SSS) TOOLE, B P. Mesenchymal tissues and their diseases-Hyaluronate and developing systems.
- R01AM-03598-15 (END) WILHELM, ALFRED E, EMORY UNIVERSITY, DEPT OF BIOCHEMISTRY, ATLANTA, GA. Production of pituitary hormones (haman, animals).
- R01AM-03602-15 (PHY) COHEN, JULIUS J, UNIV OF ROCHESTER, SCHOOL OF MED & DENTISTRY, ROCHESTER, N. Y. Utilization of substrates by the kidney in vivo (dogs, rats).
- R01AM-03612-15 (END) TAUROG, ALVIN M, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BLVD, DALLAS, TEXAS. Thyroid function and iodine metabolism (rats, human).
- R01AM-03688-14 (MBY) BARNETT, RUSSELL J, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR ST, NEW HAVEN, CONN. Relation of fine structure to biochemical function (rats, ducks, slime molds).
- R01AM-03709-14 (MET) RIGGS, THOMAS R, UNIVERSITY OF MICHIGAN, 5322 MEDICAL SCIENCE I, ANN ARBOR, MICH. Actions of hormones on amino acid transport systems (rat brain).
- R01AM-03718-15 (PC) DIECKER, BUGENE E, UNIV OF MICHIGAN, 5315 MED SCIENCE BLDG I, ANN ARBOR, MICH. Enzymatic paths and mechanisms in amino acid metabolism (animals, bacteria).
- R01AM-03737-15 (MCHB) JOHNSON, WILLIAM S, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF. Steroid and terpenoid synthesis.
- R01AM-03846-15 (PTHB) POPPER, HANS, CITY UNIVERSITY OF NEW YORK, MT SINAI SCHOOL OF MEDICINE, NEW YORK, N. Y. Structure and function in liver injury (human, rats).
- R01AM-03854-14 (MET) VARANDANI, PARTAB T, FELS RESEARCH INSTITUTE, YELLOW SPRINGS, OHIO. Regulation of insulin degradation (human, cattle, rats).
- R01AM-03858-14 (PHY) HAYS, RICHARD M, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Control of water and solute movement across cell.
- R01AM-02865-15 (AFY) EVANS, F GAYNOR, UNIVERSITY OF MICHIGAN, 4812 MEDICAL SCIENCE BLDG II, ANN ARBOR, MICH. Structure and physical properties of bone (human).
- R01AM-03892-16 (PC) WILSON, JEAN D, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Action of hormones on protein and RNA metabolism (human, mammals, chickens).
- R01AM-03932-14 (PTHB) OWEN, CHARLES A, JR, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Copper metabolism in the rat.
- R01AM-03942-15 (BBCB) KARTHA, GOPINATH, ROSEWELL PARK MEMORIAL INST, 666 ELM STR, BUFFALO, NEW YORK. Crystal structure of ribonuclease (cattle).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1AM-03984-17 (END) SCHAFFER, BERTA V, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N. Y. Neuroendocrine relationships in insects.	RO1AM-04524-14 (NTN) HOLMAN, RALPH T, HORMEL INSTITUTE, 801 16TH AVENUE N E, AUSTIN, MINN. Requirements of polyunsaturated fatty acids.
RO1AM-04121-14 (END) MC KENZIE, JOHN M, ROYAL VICTORIA HOSPITAL, DEPT OF MEDICINE, MONTREAL 112, P Q CANADA. Pathogenesis of hyperthyroidism (human, mice, rats).	RO1AM-04524-14 0001 (NTN) HOLMAN, RALPH T. Requirements of polyunsaturated fatty acids—Effect of deficiency and supplementation upon fat metabolism (rats).
RO1AM-04146-13 (PTHA) SOELDNER, JOHN S, JOSLIN DIABETES FOUNDATION INC, 170 PILGRIM ROAD, BOSTON, MASS. Pathogenesis of microangiopathy in diabetes (human).	RO1AM-04524-14 0002 (NTN) HOLMAN, RALPH T. Requirements of polyunsaturated fatty acids—Effect of acetylenic acids upon fatty acid metabolism (rats).
RO1AM-04178-14 (SGYA) DRAGSTEDT, LESTER R, UNIVERSITY OF FLORIDA, DEPT OF SURGERY, GAINESVILLE, FLA. Pathogenesis of peptic ulcer (swine, dogs, frogs, rabbits).	RO1AM-04524-14 0004 (NTN) HOLMAN, RALPH T. Requirements of polyunsaturated fatty acids—Diseases and nutritional problems involving fatty acid metabolism (human).
RO1AM-04219-15 (RAD) ADLSTEIN, S JAMES, SHELDS WARREN RADIATION LAB, 50 BINNEY STREET, BOSTON, MASS. Cytochemical and macromolecular radiation effects (hamsters).	RO1AM-04549-12 (ALY) WALLER, MARION V, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Serum agglutinators of altered gamma globulins (human).
RO1AM-04247-14 (GMA) HOWARD, JOHN E, JOHNS HOPKINS HOSPITAL, 725 N WOLFE STREET, BALTIMORE, MD. Calcium metabolism and skeletal physiology (rats).	RO1AM-04576-14 (BCCA) TANFORD, CHARLES, DUKE UNIVERSITY MED CTR, DEPARTMENT OF BIOCHEMISTRY, DURHAM, N. C. Protein interactions and biological function (rabbits, rats, human).
RO1AM-04256-14 (PC) EDELMAN, GERALD M, ROCKEFELLER UNIVERSITY, NEW YORK, N. Y. Energy transfer in biological systems (virus, rats, human).	RO1AM-04585-14 (BIO) ANC CORMICK, DONALD B, CORNELL UNIVERSITY, 323 SAVAGE HALL, ITHACA, N. Y. Investigation of flavin systems (swine).
RO1AM-04287-14 (MCHA) DJERASSI, CARL, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF. Mass spectrometry in organic and biochemistry.	RO1AM-04599-14 (GMA) COHEN, ALAN S, BOSTON UNIVERSITY MED CTR, 750 HARRISON AVENUE, BOSTON, MASS. Synovial membrane and related tissues (human, guinea pigs, mice, chicks, frogs).
RO1AM-04549-14 (MBY) HARRINGTON, WILLIAM F, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREET, BALTIMORE, MD. Biophysical chemical studies of muscle proteins (chickens, rabbits).	RO1AM-04652-14 (GMB) WASSERMAN, ROBERT H, NEW YORK STATE VETERINARY COLL, CORNELL UNIVERSITY, ITHACA, N. Y. Intestinal absorption of mineral ions (chickens).
RO1AM-04362-13 (GMB) MUELLER, WERNER J, PENNSYLVANIA STATE UNIVERSITY, 206 ANIMAL INDUSTRIES BLDG, UNIVERSITY PARK, PA. Mechanisms of bone resorption and accretion in vivo (chickens).	RO1AM-04660-12 (GMB) CAMPBELL, BENEDICT J, UNIVERSITY OF MISSOURI, BIOCHEMISTRY DEPT, COLUMBIA, MO. Metal mediation of pituitary hormonal regulation (swine, toads).
RO1AM-04401-14 (SSS) KNOWLES, HARVEY C, JR, UNIV OF CINCINNATI MED CTR, 234 GOODMAN STREET, CINCINNATI, OHIO. Relation of treatment to diabetic complications (human).	RO1AM-04675-14 (GMA) KOKAS, BSZTER B, UNIV OF NORTH CAROLINA SCH OF, DEPT OF PHYSIOLOGY, CHAPEL HILL, N. C. Intestinal villi motility, regulation and role.
RO1AM-04403-14 (SSS) PROUT, THADDEUS E, JOHNS HOPKINS HOSPITAL, 255 MOORE CLINIC, BALTIMORE, MD. Relation of treatment to diabetic complications (human).	RO1AM-04579-14 (PHY) SELLERS, ALVIN F, CORNELL UNIVERSITY, NEW YORK STATE VETERINARY COLL, ITHACA, N. Y. Blood flow and absorption in the ruminant stomach (cattle).
RO1AM-04407-13 (PC) SCHACHTER, DAVID, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N. Y. Molecular basis of membrane transport (human, rats, bacteria).	RO1AM-04683-14 (MET) HAVERBACK, BERNARD J, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Probiotic enzymes, binding proteins and pancreatitis (human, mammals, non-human).
RO1AM-04412-14 (SSS) JACOBSON, MAYNARD E, UNIVERSITY OF MINNESOTA, UNIVERSITY HOSPITALS, MINNEAPOLIS, MINN. Relation of treatment to diabetic complications (human).	RO1AM-04706-14 (MET) SCHOTZ, MICHAEL C, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Plasma triglyceride and lipoprotein lipase (rats).
RO1AM-04459-13 (PTHA) MARKOWITZ, ABRAHAM S, HEXTOEN INSTITUTE FOR MED RES, 627 S WOOD ST, CHICAGO, ILL. Glomerular membranes and streptococci (rabbits).	RO1AM-04722-14 (MET) WINBGRAD, ALBERT I, HOSP OF UNIV OF PENNSYLVANIA, 809 MALONEY CLINIC BUILDING, PHILADELPHIA, PA. Uronic acid pathway in human diabetics (and rats, rabbits).
RO1AM-04484-14 (END) COOPER, DAVID Y, 1507 RAYDIN BLDG, HOSP OF THE UNIV OF PENNSYLVANIA, PHILADELPHIA, PA. Aerobic hydroxylases in steroid and drug metabolism (human).	RO1AM-04732-13 (MET) FRIEDLAND, RICHARD A, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Influence of nutrition on enzyme systems (rats).
RO1AM-04409-14 (AMP) CARTWRIGHT, GEORGE E, UNIV OF UTAH MEDICAL CENTER, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Hematology.	RO1AM-04761-14 (ALY) KUNKEL, HENRY G, ROCKEFELLER UNIVERSITY, NEW YORK, N. Y. Immunological mechanisms in rheumatoid arthritis (human).
RO1AM-04489-14 0006 (AMP) CARTWRIGHT, GEORGE E. Hematology—Copper proteins and iron metabolism.	RO1AM-04784-14 (END) MEITES, JOSEPH, MICHIGAN STATE UNIVERSITY, DEPT OF PHYSIOLOGY, EAST LANSING, MICH. Control of secretion of hypothalamic hormones.
RO1AM-04409-14 0007 (AMP) CARTWRIGHT, GEORGE E. Hematology—Non-heme iron pathways (human, swine).	RO1AM-04826-14 (PTHB) MARTIN, GEORGE M, DEPARTMENT OF PATHOLOGY, HEALTH SCIENCES BUILDING, SEATTLE, WASH. Abnormal proteins in the pathogenesis of disease (human, aspergillus).
RO1AM-04409-14 0008 (AMP) CARTWRIGHT, GEORGE E. Hematology—Heme synthesis and porphyrin metabolism (human).	RO1AM-04827-14 (NTN) KOCH, RICHARD, CHILDRENS HOSPITAL, 4650 SUNSET BOULEVARD, LOS ANGELES, CALIF. Diet and mental development in galactosemia (human).
RO1AM-04489-14 0009 (AMP) CARTWRIGHT, GEORGE E. Hematology—Leukocytes kinetics (human, dogs).	RO1AM-04362-13 (PC) WOOL, IRA G, UNIVERSITY OF CHICAGO, 951 EAST 58TH STREET, CHICAGO, ILL. Endocrine regulation of protein synthesis (rats, viruses).
RO1AM-04409-14 0010 (AMP) CARTWRIGHT, GEORGE E. Hematology—Homeostatic regulation of granulocytopenia (dogs, human).	RO1AM-04874-13 (MCHA) SM, CHARLES J, UNIVERSITY OF WISCONSIN, SCHOOL OF PHARMACY, MADISON, WIS. Chemical-microbiological syntheses of hormones.
RO1AM-04409-14 0011 (AMP) CARTWRIGHT, GEORGE E. Hematology—Structure, function and metabolism of human factor VIII (dogs, human).	RO1AM-04899-14 (END) PERON, FERNAND G, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Action of adrenocorticotropin (rats).
RO1AM-04495-14 (SSS) MARTIN, DONALD B, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Relation of treatment to diabetic complications (human).	RO1AM-04942-14 (NTN) PRIVETT, ORVILLE S, UNIVERSITY OF MINNESOTA, 801 16TH AVENUE, N E, AUSTIN, MINN. Effect of dietary fat on glyceride structure (rats).
PO2AM-04501-13 (AMP) LEAF, ALEXANDER, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Metabolic disease research center.	RO1AM-04993-13 (SGYB) ROBINSON, ROBERT A, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Stimulation of bone formation (dogs).
PO2AM-04501-13 0001 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Chemistry of calcitonin (salmon, swine, sheep, human).	RO1AM-03077-13 (PHY) MALVIN, RICHARD L, UNIVERSITY OF MICHIGAN, 7730 MEDICAL SCIENCE H, ANN ARBOR, MICH. Renal tubular reabsorption of sodium and water (dogs).
PO2AM-04501-13 0002 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Chemistry of parathyroid hormone (cattle, swine, human).	RO1AM-05105-13 (SSS) DAUGHADAY, WILLIAM H, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Measurement of protein hormones in plasma (human, rats, swine, dogs).
PO2AM-04501-13 0003 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Radioimmunoassay for parathyroid hormone (human, cattle).	RO1AM-05165-13 (PC) SCHLENK, HERMANN, HORMEL INSTITUTE, 801 16TH AVE N E, AUSTIN, MINN. Lipids in microorganisms and plants.
PO2AM-04501-13 0004 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Immunoassay of thyrocalcitonin (salmon, sheep, swine, human, dogs).	RO1AM-05195-14 (BBCB) YOUNG, RALPH G, WASHINGTON STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, PULLMAN, WASH. Interaction of ATP analogs with myosin.
PO2AM-04501-13 0006 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Calcitonin treatment of metabolic bone disease (human, salmon).	RO1AM-05222-14 (OMA) MOSBACH, ERWIN H, PBLC HLTH RES INST OF CUNY, INC, 455 FIRST AVENUE, NEW YORK, N. Y. Production and excretion of bile acids (rabbits, rats).
PO2AM-04501-13 0007 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Collagen metabolism (human, rats).	RO1AM-05299-13 (BIO) LAWSON, WILLIAM B, DIVISION OF LAB & RESEARCH, NEW SCOTLAND AVENUE, ALBANY, N. Y. Enzyme modification with bifunctional inhibitors (human).
PO2AM-04501-13 0009 (AMP) WEBER, MILTON M. Metabolic disease research center—Vitamin D deficiency and membrane glycoproteins synthesis.	RO1AM-05310-13 (PC) LANDS, WILLIAM E, UNIVERSITY OF MICHIGAN, 5420 MEDICAL SCIENCE BUILDING, ANN ARBOR, MICH. Fatty acid activation and transfer to glycerolipids (rats).
PO2AM-04501-13 0012 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Vitamin D assay (human).	RO1AM-05318-13 (END) LIDDLE, GRANT W, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Pituitary-adrenal physiology and pharmacology (human).
PO2AM-04501-13 0016 (AMP) PINELL, S R. Metabolic disease research center—Genetic disorders of collagen metabolism (human).	RO1AM-05344-13 (END) TABACHNICK, MILTON, NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AT 106TH STREET, NEW YORK, N. Y. Transport of thyroid hormones (human, animals).
PO2AM-04501-13 0019 (AMP) GLUCKMAN, ROBERT. Metabolic disease research center—Intestinal absorption of vitamin D and lipids (rats).	
PO2AM-04501-13 0020 (AMP) TANAKA, KAY. Metabolic disease research center—Hepatotoxins (rats, children).	
PO2AM-04501-13 0021 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Calcification studies (human).	
PO2AM-04501-13 0022 (AMP) LEAF, ALEXANDER. Metabolic disease research center—Parathyroid hormones, calcium and phosphorus in renal diseases (human, rats).	
PO2AM-04501-13 0023 (AMP) SHAERITZ, DAVID. Metabolic disease research center—Control of protein synthesis by vitamin D.	
PO2AM-04501-13 0024 (AMP) TANAKA, KAY. Metabolic disease research center—Intercellular lipid transport.	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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RO1AM-05384-13 (PC) TCHEN, TCHE-TSING, WAYNE STATE UNIVERSITY, 435 CHEMISTRY BLDG, DETROIT, MICH. Some metabolic pathways (pseudomonas, goldfish).

RO1AM-05410-13 (MET) TEPPERMAN, JAY, STATE UNIV OF NEW YORK, 766 IRVING AVENUE, SYRACUSE, NY. Adaptation of membrane-associated functions (rats, chickens).

RO1AM-05422-13 (SSS) MILLER, MAX, UNIVERSITY HOSPITALS, 2065 ADELBERT RD, CLEVELAND, OHIO. Relation of treatment to diabetic complications (human).

RO1AM-05427-13 (PHRA) KIRSHNER, NORMAN, DUKE UNIVERSITY MEDICAL CENTER, DEPARTMENT OF BIOCHEMISTRY, DURHAM, N. C. Biochemistry of the adrenal medulla (cats, rabbits, guinea pigs).

RO1AM-05452-12 (ACHA) MATTOX, VERNON R, MAYO FOUNDATION, 200 FIRST ST, SOUTHWEST, ROCHESTER, MINN. Cortisoneglucosiduronic acid synthesis and isolation.

RO1AM-05472-13 (MET) ELSBACH, PETER, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N. Y. Lipid transport into cells (human, toads, bacteria).

RO1AM-05475-13 (END) BLECHER, MELVIN, GEORGETOWN UNIVERSITY, 3900 RESERVOR ROAD, N. W, WASHINGTON, D. C. Action of hormones and cyclic nucleotides (rats).

RO1AM-05507-13 (PC) KALCKAR, HERMAN M, BIOCHEMICAL RESEARCH LAB, MASS GENERAL HOSPITAL, BOSTON, MASS. Gene action, enzyme, nucleotide, carbohydrate patterns (bacteria, yeast).

RO1AM-05556-13 (PTHB) MARSH, WALTON H, STATE UNIV OF NEW YORK, DEPARTMENT OF PATHOLOGY, BROOKLYN, N. Y. Pancreatic regeneration and differentiation (rats).

PO2AM-05577-13 (AMP) AUSTEN, K FRANK, ROBERT B BRIGHAM HOSP, 125 PARKER HILL AVENUE, BOSTON, MASS. Clinical research unit in rheumatic diseases.

PO2AM-05577-13 0001 (AMP) AUSTEN, K FRANK. Clinical research unit in rheumatic diseases—Humoral factors in inflammation (human, mammals).

PO2AM-05577-13 0003 (AMP) DAVID, JOHN R. Clinical research unit in rheumatic diseases—Delayed hypersensitivity in vitro (guinea pigs, human).

PO2AM-05577-13 0003 (AMP) SCHUR, PETER H. Clinical research unit in rheumatic diseases—Antigen-antibody complexes in human disease (mice, human, rabbits).

PO2AM-05577-13 0004 (AMP) HALL, ARTHUR P. Clinical research unit in rheumatic diseases—Epidemiology of rheumatoid arthritis and related diseases (human).

PO2AM-05577-13 0005 (AMP) HOLDSWORTH, DONALD E. Clinical research unit in rheumatic diseases—Dietary approach to treatment of ochronosis (human).

PO2AM-05577-13 0006 (AMP) STILLMAN, J SYDNEY. Clinical research unit in rheumatic diseases—Juvenile rheumatoid arthritis center.

PO2AM-05577-13 0009 (AMP) RUDDY, SHAUN. Clinical research unit in rheumatic diseases—Acquired abnormalities of the complement component sequences (human).

PO2AM-05577-13 0010 (AMP) STECHSCHULTE, DANIEL J. Clinical research unit in rheumatic diseases—Chemical mediators in acute inflammatory states (rabbits).

PO2AM-05577-13 0011 (AMP) DAVID, JOHN R. Clinical research unit in rheumatic diseases—Cellular hypersensitivity and immunity (human, guinea pigs).

PO2AM-05577-13 0012 (AMP) SCHUR, PETER H. Clinical research unit in rheumatic diseases—Immune complexes in human diseases (rabbits).

PO2AM-05577-13 0013 (AMP) SLEDGE, CLEMENT B. Clinical research unit in rheumatic diseases—Bioassay to assess drug efficacy (chick embryo).

PO2AM-05577-13 0014 (AMP) EWALD, FREDERICK. Clinical research unit in rheumatic diseases—Development of total knee replacement arthroplasty (human).

PO2AM-05577-13 0015 (AMP) EWALD, FREDERICK. Clinical research unit in rheumatic diseases—Development of a patellar prosthesis (human).

PO2AM-05577-13 0016 (AMP) CORSON, JOSEPH M. Clinical research unit in rheumatic diseases—Pathogenesis of arthritis (human).

PO2AM-05577-13 0017 (AMP) AUSTEN, K FRANK. Clinical research unit in rheumatic diseases—Humoral mechanisms and mediators of inflammation in rheumatic disease patients.

PO2AM-05577-13 0018 (AMP) NALEBUFF, E. A. Clinical research unit in rheumatic diseases—Hand surgery (human).

PO2AM-05577-13 0019 (AMP) HOLDSWORTH, DONALD E. Clinical research unit in rheumatic diseases—Phosphate supplements and calcium balance of steroid-treated patients.

PO2AM-05577-13 0020 (AMP) FREMONT-SMITH KENNETH. Clinical research unit in rheumatic diseases—New rheumatoid arthritis therapeutic agents (human).

PO2AM-05630-12 (AMP) SCHILLING, ROBERT F, UNIV OF WISCONSIN MED SCH, 1300 UNIVERSITY AVENUE, MADISON, WIS. Metabolic unit for the Department of Medicine.

PO2AM-05630-12 0001 (AMP) STEBLE, THOMAS H. Metabolic unit for the Department of Medicine—Control of urate secretion in hypertension (human).

PO2AM-05630-12 0002 (AMP) BURKHOLDER, PETER. Metabolic unit for the Department of Medicine—Immunological profile of glomerulopathies and their therapy (human).

PO2AM-05630-12 0003 (AMP) STEBLE, THOMAS H. Metabolic unit for the Department of Medicine—Renal pharmacology of lithium (human).

PO2AM-05630-12 0004 (AMP) RIESELBACH, RICHARD E. Metabolic unit for the Department of Medicine—Chronically diseased kidney (human).

PO2AM-05630-12 0005 (AMP) STEBLE, THOMAS H. Metabolic unit for the Department of Medicine—Metabolic consequences of uremia (human).

PO2AM-05630-12 0006 (AMP) BARRERAS, ROBERT F. Metabolic unit for the Department of Medicine—Gastric secretory processes and divalent cations (human, dogs, rats).

PO2AM-05630-12 0007 (AMP) ABELS, J. Metabolic unit for the Department of Medicine—Pancreatic function in pernicious anemia.

PO2AM-05630-12 0008 (AMP) DAHL, DAVID S. Metabolic unit for the Department of Medicine—Metabolic components of neuromuscular disease (human).

PO2AM-05630-12 0009 (AMP) AZEN, EDWIN A. Metabolic unit for the Department of Medicine—Relationship between gut bacteria and blood.

PO2AM-05630-12 0010 (AMP) TURKINGTON, ROGER W. Metabolic unit for the Department of Medicine—Prolactin and its role in disease (human).

PO2AM-05630-12 0011 (AMP) CRIPPS, DEREK, J. Metabolic unit for the Department of Medicine—Action spectra of porphyrias and photosensitivities (human).

PO2AM-05630-12 0012 (AMP) GORDON, EDGAR S. Metabolic unit for the Department of Medicine—Physiology of renin, angiotensin and vasopressin in obesity (human).

PO2AM-05630-12 0013 (AMP) CROWELL, EDWIN. Metabolic unit for the Department of Medicine—Prophylaxis of bleeding in leukemia (human).

PO2AM-05630-12 0014 (AMP) RAJCH, PETER. Metabolic unit for the Department of Medicine—Patterns of bone marrow distribution (human).

PO2AM-05630-12 0015 (AMP) BENKE, PALIL. Metabolic unit for the Department of Medicine—Vitamin dependence of inborn errors of metabolism (human).

PO2AM-05630-12 0016 (AMP) HONG, RICHARD. Metabolic unit for the Department of Medicine—Transfer factor in management of Wiscott-Aldrich syndrome (human).

PO2AM-05630-12 0017 (AMP) TURKINGTON, ROGER W. Metabolic unit for the Department of Medicine—Regulation of polyamines in health and disease (human).

RO1AM-05638-14 (END) BAKKE, JOHN L, PACIFIC NORTHWEST RES FDN, 1102 COLUMBIA STREET, SEATTLE, WASH. Thyrotropin assay of body fluids and tissue (rats).

RO1AM-05645-13 (END) ROSENBERG, LAWSON L, UNIVERSITY OF CALIFORNIA, 2549 LIFE SCIENCES BLDG, BERKELEY, CALIF. Thyroid function (rats).

RO1AM-05648-14 (SSS) WEISENFELD, SHIRLEY, JEWISH HOSP & MEDICAL CENTER, 555 PROSPECT PLACE, BROOKLYN, N. Y. Relation of treatment to diabetic complications (human).

RO1AM-05655-14 (END) KNOBL, ERNST, UNIV OF PITTSBURGH SCH OF MED, DEPARTMENT OF PHYSIOLOGY, PITTSBURGH, PA. The physiology of growth hormone (primates).

RO1AM-05685-12 (MET) WICK, ARNE N, CALIF STATE UNIV, SAN DIEGO, DEPARTMENT OF CHEMISTRY, SAN DIEGO, CALIF. Glucose metabolism and action of insulin (rats, mice, marine animals).

RO1AM-05736-13 (PHY) WILSON, T HASTINGS, HARVARD MEDICAL SCHOOL, 25 SHUTTLICK STREET, BOSTON, MASS. Intestinal absorption—Transport mechanisms (dogs, bacteria).

RO1AM-05821-12 (BBCB) BLUMENFELD, OLGA O, YESHIVA UNIVERSITY, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Chemistry of maturation of collagen (rats).

RO1AM-05853-13 (BBCA) LUMRY, RUFUS W, UNIVERSITY OF MINNESOTA, DEPT OF CHEMISTRY, MINNEAPOLIS, MINN. Conformational basis of enzymic catalysis.

RO1AM-05865-11 (PHY) HOSHIKO, TOMUO, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Ion transport across biological membranes (frogs).

RO1AM-05924-14 (GMA) MATOLTSY, ALEXANDER G, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Chemistry of keratins and their precursors (rats, frogs, human).

RO1AM-05968-14 (MET) GOODMAN, DE WITT S, COLUMBIA UNIV, 630 WEST 168TH STREET, NEW YORK, N. Y. Lipid metabolism (human, rats).

RO1AM-05968-14 0001 (MET) GOODMAN, DEWITT S. Lipid metabolism (human, rats)—Transport and metabolism of vitamin A (human, mammals, nonhuman).

RO1AM-05968-14 0002 (MET) GOODMAN, DEWITT S. Lipid metabolism (human, rats)—Transport and metabolism of vitamin D (human).

RO1AM-05968-14 0003 (MET) GOODMAN, DEWITT S. Lipid metabolism (human, rats)—Turnover and metabolism of cholesterol (human).

RO1AM-05976-13 (MET) BERGMAN, EMMETT N, N. Y. S VETERINARY COLLEGE, CORNELL UNIV, ITHACA, N. Y. Carbohydrate and ketone body metabolism (sheep).

PO1AM-05996-13 (AMP) DORFMAN, ALBERT, WYLER CHILDREN'S HOSPITAL, UNIV OF CHICAGO, CHICAGO, ILL. Biochemistry of connective tissues.

PO1AM-05996-13 0004 (AMP) CIPONELLI J. A. Biochemistry of connective tissues—Structure of heparin sulfates and heparin (rabbits, horses, mollusks).

PO1AM-05996-13 0006 (AMP) DORFMAN, ALBERT. Biochemistry of connective tissues—Differentiation of cartilage (chick embryo).

PO1AM-05996-13 0010 (AMP) MATHEWS, MARTIN B. Biochemistry of connective tissues—Structure of keratan sulfate.

PO1AM-05996-13 0014 (AMP) BAKER, J. Biochemistry of connective tissues—Xylosyltransferase in synthesis of chondroitin sulfate (chick embryo, rats).

PO1AM-05996-13 0015 (AMP) HELTING T. Biochemistry of connective tissues—Galactosyltransferases in synthesis of chondroitin sulfate (chick embryo).

PO1AM-05996-13 0016 (AMP) MATHEWS, MARTIN B. Biochemistry of connective tissues—Dermatan sulfate (pigs, horses).

PO1AM-05996-13 0017 (AMP) STOOLMILLER, ALLEN C. Biochemistry of connective tissues—Mucopolysaccharides and glycosphingolipids of nervous system cells (rats, mice).

PO1AM-05996-13 0019 (AMP) MATALON, REUBEN. Biochemistry of connective tissues—Conversion of T4 to T3 by human fibroblasts.

PO1AM-05996-13 0021 (AMP) SCHWARTZ, N. Biochemistry of connective tissues—Solubilization and fractionation of chondroitin sulfate enzymes.

PO1AM-05996-13 0022 (AMP) SCHWARTZ, N. Biochemistry of connective tissues—Phospholipids and phospholipase effect on glycosyltransferases.

PO1AM-05996-13 0023 (AMP) HORWITZ, A. Biochemistry of connective tissues—Cell localization of chondromucoprotein synthesis.

PO1AM-05996-13 0024 (AMP) MATHEWS, MARTIN B. Biochemistry of connective tissues—Structure and function of acid mucopolysaccharides.

PO1AM-05996-13 0025 (AMP) GROSSMAN, B. J. Biochemistry of connective tissues—Mucopolysaccharides, lipid clearing and blood coagulation.

PO1AM-05996-13 0026 (AMP) MATALON, REUBEN. Biochemistry of connective tissues—Mucopolysaccharidases and glycosphingolipidases (human).

PO1AM-05996-13 0027 (AMP) MATALON, REUBEN. Biochemistry of connective tissues—Diagnosis of atrial myxomas (human).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1AM-06011-13 (NTN) REISER, RAYMOND, TEXAS A&M UNIVERSITY, DEPT OF BIOCHEMISTRY & BIOPHYS, COLLEGE STATION, TEX. Diet control of lipid metabolism.
- RO1AM-06011-13 0001 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Partial purification of sn-glycerol-3-phosphate acyltransferase (mice).
- RO1AM-06011-13 0002 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Inhibition of fatty acid biosynthesis in the adult by diet fat (rats).
- RO1AM-06011-13 0003 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Enzyme development by dietary manipulation during morphogenesis (rats, swine).
- RO1AM-06011-13 0005 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Stereospecificity of swine adipose tissue triglycerides.
- RO1AM-06011-13 0006 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Effect of dietary lipids on lipogenesis in fish.
- RO1AM-06011-13 0008 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Serum cholesterol adaptation to diet cholesterol (baboons).
- RO1AM-06011-13 0009 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Reduction of serum cholesterol by phytosterols (rats).
- RO1AM-06011-13 0010 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Structure of glycerides in Morris hepatomas 5123C and 7800.
- RO1AM-06011-13 0011 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-suppression of fatty acid synthetase by linoleate.
- RO1AM-06011-13 0012 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Serum cholesterol adaptation to diet cholesterol (rats).
- RO1AM-06011-13 0013 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Permanence of suppression of HMG-CoA reductase (rats).
- RO1AM-06011-13 0014 (NTN) REISER, RAYMOND. Diet control of lipid metabolism-Effects of the nature of diet fat on cholesterol metabolism.
- RO1AM-06018-12 (GMA) HARTIALA, KAARLO J, UNIVERSITY OF TURKU, 20520 TURKU 52, FINLAND. Gastrointestinal metabolic functions (human, dogs, cats).
- RO1AM-06034-13 (MET) FOA, PIERO P, SINAI HOSPITAL OF DETROIT, 6767 WEST OUTER DRIVE, DETROIT, MICH. Aspects of pancreatic physiology (human, mice, dogs).
- RO1AM-06045-11 (HEM) ROTHENBERG, SHELDON P, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVENUE, NEW YORK, N. Y. Kinetics of B12, intrinsic factor, and other proteins (human, guinea pigs).
- RO1AM-06074-16 (PTHA) LATTA, HARRISON, DEPT OF PATHOLOGY, UNIV OF CALIFORNIA, LOS ANGELES, CALIF. Renal pathology studied with electron microscopy (human, rats, rabbits).
- RO1AM-06097-20 (END) LI, CHOH H, UNIVERSITY OF CALIFORNIA, HORMONE RESEARCH LAB, 1088 HSW, SAN FRANCISCO, CALIF. Pituitary lactogenic and gonadotropic hormones (human, animals).
- RO1AM-06164-12 (END) BOWERS, CYRIL Y, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Hypothalamic thyrotrophin-releasing-factor (mice, primates, rats).
- RO1AM-06165-10 (BBCB) DREIZEN, PAUL, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Physical chemistry of contractile proteins (human, dogs, rabbits, fish).
- RO1AM-06181-13 (MET) LACY, PAUL E, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Insulin (rats, rabbits, human, ruminants, ducks, lizards).
- RO1AM-06205-13 (GMB) RAISZ, LAWRENCE G, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Parathyroid and bone metabolism (rats).
- RO1AM-06206-12 (ALY) BOLE, GILES G, JR, UNIVERSITY OF MICHIGAN, R4633 KRESGE MED RES BLDG, ANN ARBOR, MICH. Regulation of chronic inflammation (human, rodents, rabbits).
- RO1AM-06231-12 (BBCB) EYRING, EDWARD M, UNIVERSITY OF UTAH, DEPARTMENT OF CHEMISTRY, SALT LAKE CITY, UTAH. Relaxation-rate study of biochemical equilibria (human).
- RO1AM-06309-13 (NTN) SHANK, ROBERT E, WASHINGTON UNIVERSITY SCH OF M, DEPT OF PREVENTIVE MEDICINE, ST LOUIS, MO. Enzyme activity and nutrient content of leukocytes (rats).
- RO1AM-06334-12 (MET) LOMBARDI, BENITO, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Pathogenesis of experimental fatty liver (rats, mice).
- RO1AM-06365-12 (SSS) MANGOS, JOHN A, UNIVERSITY OF WISCONSIN, MADISON, WIS. Exocrine gland function in cystic fibrosis (human, rats).
- RO1AM-06369-13 (END) WESTPHAL, ULRICH F, UNIVERSITY OF LOUISVILLE, DEPT OF BIOCHEMISTRY, LOUISVILLE, KY. Steroid-protein interactions (human, mammals).
- RO1AM-06415-12 (END) BIGLIERI, EDWARD G, SAN FRANCISCO GENERAL HOSPITAL, 1001 POTRERO AVENUE, SAN FRANCISCO, CALIF. Secretory steroid mixtures of adrenal cortex (human).
- RO1AM-06424-12 (NTN) TAPPEL, ALOYS L, UNIVERSITY OF CALIFORNIA, DEPT OF FOOD SCIENCE & TECH, DAVIS, CALIF. Nutritional function of selenium (rats).
- RO1AM-06439-12 (END) TONG, WINTON, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF PHYSIOLOGY, PITTSBURGH, PA. Metabolism and endocrine function in the thyroid (rats).
- RO1AM-06450-12 (VR) SHARP, JOHN T, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Mycoplasma, L forms and viruses in rheumatic diseases (human).
- RO1AM-03482-12 (PC) COLE, R DAVID, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, BERKELEY, CALIF. Distortion of disulfide bridges in enzymes (plants).
- RO1AM-06483-11 (PC) CONIGLIO, JOHN G, DEPT OF BIOCHEM SCHOOL OF MED, VANDERBILT UNIV, NASHVILLE, TENN. Biosynthesis and interconversions of fatty acids (rodents, birds).
- RO1AM-06487-12 (PC) TANG, JORDAN J, OKLAHOMA MED RESEARCH FDN, 825 N E 13TH STR, OKLAHOMA CITY, OKLA. Facilities for the study of the properties of proteins (human, animals).
- RO1AM-06506-12 (GMA) FORDTRAN, JOHN S, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEXAS. Water and solute movement in the human intestine (also dogs).
- RO1AM-06470-11 (SSS) BIERMAN, EDWIN L, VETERANS ADMIN HOSPITAL, 4435 BEACON AVENUE SOUTH, SEATTLE, WASH. Triglyceride transport in hyperlipemia and diabetes (human, rats).
- RO1AM-06700-12 (PHY) LIPSON, NATHAN, UNIVERSITY OF MINNESOTA, 424 MIL-LARD HALL, MINNEAPOLIS, MINN. Absorption by intestinal mucosa in vitro (dogs, rabbits).
- PO1AM-06704-12 (AMP) GANONG, WILLIAM F, UNIV OF CALIFORNIA SCH OF MED, DEPT OF PHYSIOLOGY, S-762, SAN FRANCISCO, CALIF. Neural and humoral control of endocrine function.
- PO1AM-06704-12 0001 (AMP) GANONG, WILLIAM F. Neural and humoral control of endocrine function-Changes in adrenocortical sensitivity to angiotensin and ACTH (dogs).
- PO1AM-06704-12 0002 (AMP) GANONG, WILLIAM F. Neural and humoral control of endocrine function-Regulation of renin secretion (dogs).
- PO1AM-06704-12 0003 (AMP) GANONG, WILLIAM F. Neural and humoral control of endocrine function-Regulation of ACTH secretion by brain catecholamines (rats, dogs).
- PO1AM-06704-12 0004 (AMP) GANONG, WILLIAM F. Neural and humoral control of endocrine function-Reproductive neuroendocrinology (rats).
- PO1AM-06704-12 0005 (AMP) SHOEMAKER, W. Neural and humoral control of endocrine function-Pituitary-adrenal response to stress in protein deprived animals.
- PO1AM-06725-13 (MET) KONO, TETSUBO, VANDERBILT UNIVERSITY, DEPT OF PHYSIOLOGY, NASHVILLE, TENN. Action of insulin on cell membrane (rats).
- RO1AM-06737-12 (SSS) DAUGHADAY, WILLIAM H, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Relation of treatment to diabetic complications (human).
- RO1AM-06739-12 (SSS) BECKER, FRANK O, RUSH-PRESBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Relation of treatment to diabetic complications (human).
- PO1AM-06741-12 (AMP) SCRIBNER, BELDING H, UNIVERSITY OF WASHINGTON, DIVISION OF NEPHROLOGY, RM-11, SEATTLE, WASH. Dialysis in treatment of chronic uremia.
- PO1AM-06741-12 0004 (AMP) TENCKHOFF, HENRY. Dialysis in treatment of chronic uremia-Peritoneal dialysis (human).
- PO1AM-06741-12 0028 (AMP) SCRIBNER, BELDING H. Dialysis in treatment of chronic uremia-Evolution of the middle molecule hypothesis (human).
- PO1AM-06741-12 0029 (AMP) MRLUTIONOVIC, J. Dialysis in treatment of chronic uremia-Sodium excretion and hypertension (human).
- PO1AM-06741-12 0030 (AMP) BURNELL, JAMES. Dialysis in treatment of chronic uremia-Bone electrolyte research (dogs).
- PO1AM-06741-12 0031 (AMP) ESCHBACH, JOSEPH. Dialysis in treatment of chronic uremia-Uremic anemia (human, sheep).
- PO1AM-06741-12 0032 (AMP) QUADRACCI, I. J. Dialysis in treatment of chronic uremia-Clotting in rapidly progressive glomerulonephritis (sheep).
- PO1AM-06741-12 0033 (AMP) QUADRACCI, I. J. Dialysis in treatment of chronic uremia-Clotting function in renal allograft rejection (human, dogs).
- RO1AM-04744-12 (SSS) BOSHILL, BURIS R, UNIVERSITY OF ALABAMA, 1808 7TH AVENUE, BIRMINGHAM, ALA. Relation of treatment to diabetic complications (human).
- RO1AM-06815-12 (MET) SIDBURY, JAMES B, JR, DUKE UNIVERSITY, BOX 3215, DURHAM, N. C. Inborn errors of metabolism.
- RO1AM-06815-12 0001 (MET) SIDBURY, JAMES B, JR. Inborn errors of metabolism-Carbohydrate disorders (human).
- RO1AM-06815-12 0002 (MET) SIDBURY, JAMES B, JR. Inborn errors of metabolism-Lipid disorders (human).
- RO1AM-06815-12 0003 (MET) SIDBURY, JAMES B, JR. Inborn errors of metabolism-Amino acids (human).
- RO1AM-06815-12 0004 (MET) SIDBURY, JAMES B, JR. Inborn errors of metabolism-Muscle diseases (human).
- RO1AM-06818-13 (PHRA) MUDGE, GILBERT H, DARTMOUTH MEDICAL SCHOOL, HANOVER, N. H. Pharmacology of angiographic and cholegraphic agents (dogs, rats).
- RO1AM-06838-12 (GMA) BADEN, HOWARD P, MASSACHUSETTS GENERAL HOSPITAL, DEPARTMENT OF DERMATOLOGY, BOSTON, MASS. Biosynthesis of keratin (human, rats, mice).
- RO1AM-06850-12 (NTN) NESHHEIM, MALDEN C, CORNELL UNIVERSITY, DEPARTMENT OF POULTRY SCIENCE, ITHACA, N. Y. Nutritional needs as influenced by genetic variation (chickens).
- RO1AM-06865-12 (END) FIELD, JAMES B, PRESBYTERIAN-UNIVERSITY HOSP, 230 LOTHROP STREET, PITTSBURGH, PA. Effects of TSH on thyroid carbohydrate metabolism (dogs).
- RO1AM-06872-12 (MET) SCHNATZ, J DAVID, BUFFALO CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N. Y. Lipolytic activity in adipose tissue (human, rabbits, rats, mice).
- RO1AM-06876-12 (SSS) KLUMT, CHRISTIAN R, DIV OF CLINICAL INVESTIGATIONS, 610 WEST LOMBARD STREET, BALTIMORE, MD. Relation of treatment to diabetic complications (human).
- RO1AM-06878-12 (MET) DIEDRICH, DONALD F, UNIVERSITY OF KENTUCKY, DEPARTMENT OF PHARMACOLOGY, LEXINGTON, KY. Phlorizin inhibition of sugar transport (rats, human).
- PO2AM-06908-12 (AMP) SUMMERSKILL, WILLIAM H, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Digestive and hepatobiliary function.
- PO2AM-06908-12 0003 (AMP) PHILLIPS SIDNEY F. Digestive and hepatobiliary function-Influence of digestive components on fluid and electrolyte movement (human, dogs).
- PO2AM-06908-12 0008 (AMP) SUMMERSKILL, WILLIAM H. Digestive and hepatobiliary function-Digestive-absorptive sequence (human).
- PO2AM-06908-12 0009 (AMP) SUMMERSKILL, WILLIAM H. Digestive and hepatobiliary function-Postprandial intraluminal control of pancreatic and gastric functions (human).
- PO2AM-06908-12 0010 (AMP) SUMMERSKILL, WILLIAM H. Digestive and hepatobiliary function-Enteric aspect of enterohepatic circulation of bile acids.
- PO2AM-06908-12 0011 (AMP) SUMMERSKILL, WILLIAM H. Digestive and hepatobiliary function- novel methods (diagnostic).
- RO1AM-06912-12 (END) MACDONALD, PAUL C, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Estrogen production from plasma precursors in humans.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1AM-06958-11 (PHY) BORTOFF, ALEXANDER, STATE UNIVERSITY OF NEW YORK, 766 IRVING AVENUE, SYRACUSE, N Y. Coordination of visceral smooth muscle activity (cats, rabbits).
- RO1AM-06971-12 (MMB) TAYLOR, KEITH B, STANFORD UNIVERSITY SCH OF MED, DEPT OF MEDICINE, STANFORD, CALIF. Immunology of gastrointestinal diseases (human, dogs, guinea pigs).
- RO1AM-06978-12 (NTN) MC CAY, PAUL B, OKLAHOMA MED RES FDN, 825 N E 13TH STREET, OKLAHOMA CITY, OKLA. Fatty acids metabolism in tocopherol deficiency (rats, rabbits, cattle).
- RO1AM-07055-12 (SOYA) RUSSELL, PAUL S, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Tissue specificity (mice, rats).
- RO1AM-07084-13 (GMA) POCHI, PETER E, BOSTON UNIVERSITY SCH OF MED, 80 E CONCORD STREET, BOSTON, MASS. Hormonal control of sebaceous gland function (human).
- RO1AM-07126-11 (GMB) JOHNSTON, CYRUS C, JR, INDIANA UNIV MED CTR, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Metabolism of human bone.
- RO1AM-07140-10 (BIO) HIMES, RICHARD H, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY OF KANSAS, LAWRENCE, KANS. Formyltetrahydrofolate synthetase (bacteria).
- RO1AM-07141-11 (BIO) NORDLIE, ROBERT C, UNIVERSITY OF NORTH DAKOTA, SCHOOL OF MEDICINE, GRAND FORKS, N DAK. Liver pyrophosphate-phosphotransferase activities (rodents, cattle, human).
- RO1AM-07162-13 (MET) MACKENZIE, COSMO G, UNIVERSITY OF COLORADO, 4200 E NINTH AVENUE, DENVER, COLO. Control of lipid metabolism in mammalian cells (rodents, rabbits).
- RO1AM-07180-12 (PC) MASON, HOWARD S, UNIV OF OREGON MED SCH, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Mechanisms of oxygen metabolism (rabbits).
- RO1AM-07203-12 (PC) NOLTMANN, ERNST A, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, RIVERSIDE, CALIF. Studies on phosphomerase isomerases (rabbits, yeasts, swine).
- RO1AM-07215-10 (END) DUNN, ARNOLD S, DEPT OF BIOLOGICAL SCIENCES, UNIVERSITY OF SO CALIFORNIA, LOS ANGELES, CALIF. Hormonal regulation of hepatic glucose production (rats).
- RO1AM-07239-11 (HEM) REISSMANN, KURT R, UNIVERSITY OF KANSAS, 39TH & RAINBOW BLVD, KANSAS CITY, KANS. Studies on erythropoietin (human, mice).
- RO1AM-07266-11 (GMB) FLEISCH, HERBERT A, UNIVERSITY HUGELWEG 2, DEPT OF PATHOPHYSIOLOGY, CH 3012 BERNE, SWITZERLAND. Activation and inhibition in calcification (rats).
- RO1AM-07300-12 (BBCB) BLOUT, ELKAN R, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Peptides and proteins.
- RO1AM-07305-12 (HEM) AMINOFF, DAVID, UNIVERSITY OF MICHIGAN, 102 OBSERVATORY STREET, ANN ARBOR, MICH. Biosynthesis and degradation of the human blood group substances.
- RO1AM-07343-11 (OMA) SANDSON, JOHN I, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Characterization of cartilage proteinopolysaccharides (human, cattle, rabbits).
- RO1AM-07369-12 (PTHA) KASHGARIAN, MICHAEL, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Transport studies in experimental renal disease (human, rats).
- RO1AM-07388-12 (GMA) STRAUSS, JOHN S, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Evaluation of pathogenic factors in acne vulgaris (human).
- RO1AM-07422-11 (END) TALALAY, PAUL, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Biochemical pharmacology of steroid hormones (mammals, bacteria).
- PO1AM-07462-11 (AMP) PARK, CHARLES R, VANDERBILT UNIV SCH OF MED, DEPT OF PHYSIOLOGY, NASHVILLE, TENN. Hormonal regulation of metabolism.
- PO1AM-07462-11 0047 (AMP) PARK, C R. Hormonal regulation of metabolism-Hepatic metabolism of genetically diabetic mice.
- PO1AM-07462-11 0048 (AMP) PARK, C R. Hormonal regulation of metabolism-Carbohydrate and cyclic AMP metabolism in diabetic rats.
- PO1AM-07462-11 0049 (AMP) PARK, C R. Hormonal regulation of metabolism-Mechanisms of action of catecholamines in liver.
- PO1AM-07462-11 0050 (AMP) KONO, TETSURO. Hormonal regulation of metabolism-Insulin and the adenylate cyclase-phosphodiesterase system of fat cells.
- PO1AM-07462-11 0051 (AMP) CROFFORD, OB. Hormonal regulation of metabolism-Phosphorylation of histones and the acidic nuclear proteins in fat cells.
- PO1AM-07462-11 0052 (AMP) PARK, C R. Hormonal regulation of metabolism-Hormonal regulation of cyclic AMP-dependent protein kinase.
- PO1AM-07462-11 0053 (AMP) SUTHERLAND, E W. Hormonal regulation of metabolism-Adenylate cyclase.
- PO1AM-07462-11 0054 (AMP) SUTHERLAND, E W. Hormonal regulation of metabolism-Cyclic AMP in HeLa cells.
- PO1AM-07462-11 0055 (AMP) SUTHERLAND, E W. Hormonal regulation of metabolism-Cyclic AMP in adipocytes (mammals, human).
- PO1AM-07462-11 0056 (AMP) MENG, H C. Hormonal regulation of metabolism-Lipolytic enzymes of rat lung.
- PO1AM-07462-11 0057 (AMP) MENG, H C. Hormonal regulation of metabolism-Lipogenic activity by isolated perfused rat lung.
- PO1AM-07462-11 0058 (AMP) MENG, H C. Hormonal regulation of metabolism-Conversion of lipids in lamb lungs.
- PO1AM-07462-11 0059 (AMP) MENG, H C. Hormonal regulation of metabolism-Essential fatty acid deficiency and lipase activity.
- PO1AM-07462-11 0060 (AMP) POST, ROBERT L. Hormonal regulation of metabolism-Sodium and potassium ion-transport ATPase of guinea pig kidney.
- PO1AM-07462-11 0061 (AMP) REGEN, D M. Hormonal regulation of metabolism-Cerebral energy metabolism.
- PO1AM-07462-11 0062 (AMP) PELTS, P W. Hormonal regulation of metabolism-Nutrient dynamics in obese-hyperglycemic mice.
- PO1AM-07462-11 0063 (AMP) PELTS, P W. Hormonal regulation of metabolism-Glucose transport mechanism.
- PO1AM-07462-11 0064 (AMP) HARDMAN, J G. Hormonal regulation of metabolism-Cyclic nucleotide phospho-diesterase activity in pig coronary arteries.
- PO1AM-07462-11 0065 (AMP) HARDMAN, J G. Hormonal regulation of metabolism-Importance of calcium for control of cyclic GMP levels.
- PO1AM-07462-11 0066 (AMP) HARDMAN, J G. Hormonal regulation of metabolism-Vasoactive agents and cyclic nucleotide levels in pig coronary arteries.
- PO1AM-07462-11 0067 (AMP) HARDMAN, J G. Hormonal regulation of metabolism-Subcellular distribution.
- RO1AM-07467-11 (END) SCHALLY, ANDREW V, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Neurochemistry of diencephalon (rats, rabbits, pigs).
- RO1AM-07564-12 (END) ROSENBERG, EUGENIA, MEDICAL RESEARCH INST, 26 QUEEN STR, WORCESTER, MASS. Characterization of human pituitary gonadotropins.
- RO1AM-07568-11 (PTMB) GRISHAM, JOE W, WASHINGTON UNIV MEDICAL SCH, 660 SOUTH EUCLID, ST LOUIS, MO. Mediators controlling DNA synthesis in liver (rats).
- RO1AM-07578-13 (MBY) ITO, SUSUMU, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Ultrastructure and function of the gastric mucosa (mice).
- RO1AM-07601-11 (SSS) MADDOCK, LILLIAN, UNIVERSITY OF PUERTO RICO, SCHOOL OF MEDICINE, SAN JUAN, P R. Relation of treatment to diabetic complications (human).
- RO1AM-07626-11 (SOYB) BECKER, ROBERT O, VETERANS ADMINISTRATION HOSP, 800 IRVING AVENUE, SYRACUSE, N Y. Bioelectrical properties of connective tissues (human, amphibians, cattle, rats).
- RO1AM-07642-11 (END) KRISS, JOSEPH P, STANFORD UNIVERSITY, DEPARTMENT OF RADIOLOGY, STANFORD, CALIF. Long acting thyroid stimulator (human).
- RO1AM-07646-11 (SOYB) PRICE, JOHN B, JR, COLL OF PHYSICIANS & SURGEONS, 630 W 168TH STREET, NEW YORK, N Y. Hepatic-splanchnic interrelationships (dogs, rats).
- RO1AM-07672-11 (MET) BALDWIN, RANSOM L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANIMAL SCIENCE, DAVIS, CALIF. Metabolic changes during early lactation (rats, cattle).
- RO1AM-07681-09 (PHRA) CALVERT, DEANE N, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Adrenergic components of lipid metabolism (rats).
- RO1AM-07697-11 (PC) FRANZBLAU, CARL, BOSTON UNIV, 70 EAST CONCORD STREET, BOSTON, MASS. Chemistry of elastin (cattle, chick embryo, swine).
- RO1AM-07699-11 (MCHA) ROSENTHAL, ARTHUR F, LONG ISLAND JEWISH MED CTR, 270-05-76 AVENUE, NEW HYDE PARK, N Y. Synthetic inhibitors of phospholipid metabolism (rats, mice, bacteria).
- RO1AM-07719-11 (MCHA) SABLE, HENRY Y, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Polyhydrocycloalkanes.
- RO1AM-07720-10 (PC) LEVY, H RICHARD, SYRACUSE UNIVERSITY, 130 COLLEGE PLACE, SYRACUSE, N Y. Mechanisms of control of enzymatic activity (rats, bacteria, human).
- RO1AM-07772-11 (SOYB) STARZL, THOMAS E, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Effects of orthotopic liver transplantation (human, dogs).
- RO1AM-07822-11 (SOYB) BASSETT, C ANDREW, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Bioelectric phenomena controlling bone growth (rabbits, cattle, urodeles).
- RO1AM-07824-11 (BIO) KUBY, STEPHEN A, UNIVERSITY OF UTAH, RM IC 218, MED CENTER, SALT LAKE CITY, UTAH. Adenosine triphosphate transphosphorylases (human, rabbits, cattle, yeast).
- RO1AM-07841-11 (PTHA) KIBLERMEYER, ROBERT W, CASE WESTERN RESERVE UNIV, 2040 ADELBERT ROAD, CLEVELAND, OHIO. Chemical biology of inflammatory processes (dogs, guinea pigs, mice, human).
- RO1AM-07854-11 (SSS) NIELSEN, ROBERT L, VIRGINIA MASON RES CTR, 1000 SENECA STREET, SEATTLE, WASH. Relation of treatment to diabetic complications.
- RO1AM-07867-11 (GMB) BORLE, ANDRE B, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF PHYSIOLOGY, PITTSBURGH, PA. Hormonal regulation of cellular calcium metabolism (human, rats).
- RO1AM-07902-11 (PC) FISCHER, EDMOND H, UNIVERSITY OF WASHINGTON, DEPARTMENT OF BIOCHEMISTRY, SEATTLE, WASH. Structure and function of enzymes (rabbits, rats, microorganisms, dogfish).
- RO1AM-07912-10 (GMB) SAYVILLE, PAUL D, CREIGHTON UNIVERSITY, 2500 CALIFORNIA STREET, OMAHA, NEBR. Creighton University bone research center (women).
- RO1AM-07917-10 (END) BRAVERMAN, LEWIS E, ST ELIZABETH'S HOSPITAL, 736 CAMBRIDGE ST, BRIGHTON, MASS. Regulation of thyroid function, T4 and T3 kinetics (human, rats).
- RO1AM-07937-12 (ALY) SCHWARTZ, ROBERT S, NEW ENGLAND MEDICAL CTR HOSPS, 171 HARRISON AVENUE, BOSTON, MASS. Immunosuppression (mice).
- RO1AM-07939-12 (GMA) EPSTEIN, WILLIAM L, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Granulomatous hypersensitivity (human, guinea pigs).
- RO1AM-07957-11 (BIO) KAISER, BIMAL T, UNIVERSITY OF CHICAGO, 5735 ELLIS AVE, DEPT OF CHEM, CHICAGO, ILL. Mechanism of carboxypeptidase action.
- RO1AM-07984-12 (PC) HENDERSON, LA VILL M, UNIVERSITY OF MINNESOTA, DEPARTMENT OF BIOCHEMISTRY, ST PAUL, MINN. Hydroxylysine metabolism (mammals, birds, reptiles, fish, invertebrates).
- RO1AM-07998-10 (MET) FAUST, ROBERT G, UNIVERSITY OF NORTH CAROLINA, DEPT OF PHYSIOLOGY, CHAPEL HILL, N C. Mechanism of sugar transport by the small intestine (rodents, birds, fish).
- RO1AM-08054-11 (MMB) METZGAR, RICHARD S, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N C. Immunological studies of tissue alloantigens (human, primates).
- RO1AM-08064-10 (MCHA) WHITLOCK, HOWARD W, JR, UNIVERSITY OF WISCONSIN, 1101 UNIVERSITY AVENUE, MADISON, WIS. Reactions of biochemical interest.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AM-08066-10 (MCHA) JORGENSEN, EUGENE C, UNIVERSITY OF CALIFORNIA, SCHOOL OF PHARMACY, SAN FRANCISCO, CALIF. Peptide hormone analogs (guinea pigs, rats, dogs).
- RO1AM-00076-11 (AMET) JUNGAS, ROBERT L, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Action of insulin on enzymes of adipose tissue (rats, cattle).
- RO1AM-00123-11 (PC) EVANS, HAROLD J, OREGON STATE UNIVERSITY, DEPARTMENT OF BOTANY, CORVALLIS, OREG. Role of univalent cation salts in nutrition (bacteria, algae).
- RO1AM-08126-11 (BJO) HATEF, YOUSSEF, SCRIPPS CLINIC & RESEARCH FND, 476 PROSPECT STREET, LA JOLLA, CALIF. Energy generation and conservation in mitochondria.
- RO1AM-03127-10 (PC) FLEISCHMAJER, RAUL, HAHNEMANN MEDICAL COLL & HOSP, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Biochemistry of altered dermal connective tissue (birds, human).
- RO1AM-08154-10 (SSS) BERTLES, JOHN F, ST LUKE'S HOSPITAL CENTER, AMSTERDAM AVE & 114TH STREET, NEW YORK, N Y. Genetic control of hemoglobin synthesis.
- RO1AM-08154-10 0001 (SSS) BERTLES, JOHN F. Genetic control of hemoglobin synthesis—Translation control of Hb S, Hb A and Hb F in cell free systems (human).
- RO1AM-08154-10 0002 (SSS) BERTLES, JOHN F. Genetic control of hemoglobin synthesis—Genetic control of hemoglobin synthesis (hamsters).
- RO1AM-08171-11 (NTN) STOKSTAD, E L, UNIVERSITY OF CALIFORNIA, DEPT OF NUTRITIONAL SCIENCES, BERKELEY, CALIF. Metabolism of folic acid and vitamin B12 (human, rats, plants, microorganisms).
- RO1AM-03263-11 (SSS) EBBE, SHIRLEY N, ST ELIZABETH'S HOSPITAL, 736 CAMBRIDGE STREET, BRIGHTON, MASS. Kinetics of megakaryocyte and platelet turnover (mice, rats).
- RO1AM-03272-11 (NTN) ZUCKER, LOIS M, HARRIET G BIRD MEMORIAL LAB, STOW, MASS. Obesity—Dietary, hormonal and genetic determinants (rats).
- PO1AM-08305-11 (AMP) MATTHEWS, LEROY W, 2103 ADELBERT ROAD, CLEVELAND, OHIO. Cystic fibrosis and pulmonary disease.
- PO1AM-08305-11 0001 (AMP) BOAT, THOMAS F. Cystic fibrosis and pulmonary disease—Biochemistry of exocrine secretions (human, rats).
- PO1AM-08305-11 0002 (AMP) BOAT, THOMAS F. Cystic fibrosis and pulmonary disease—Tissue and organ culture studies (human, rats).
- PO1AM-08305-11 0003 (AMP) POLMAAR, STEPHEN H. Cystic fibrosis and pulmonary disease—Immunological investigations in cystic fibrosis (human).
- PO1AM-08305-11 0004 (AMP) BOXERBAUM, BERNARD D. Cystic fibrosis and pulmonary disease—Bacteriology and antibacterial defense mechanisms in CF (human).
- PO1AM-08305-11 0005 (AMP) DEARBORN, DORR G. Cystic fibrosis and pulmonary disease—The plasma membrane of the alveolar macrophage (rabbits).
- RO1AM-08311-10 (APY) BUSKIRK, ELSWORTH R, PENNSYLVANIA STATE UNIVERSITY, 103 HUMAN PERFORMANCE BLDG, UNIVERSITY PARK, PA. Obesity and physiological response to environment (human).
- R22AM-08317-11 (SSS) DARBY, WILLIAM J, VANDERBILT UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, NASHVILLE, TENN. Malnutrition in the Middle East (human, rats, sand rats, donkeys).
- RO1AM-08350-11 (PC) LITWACK, GERALD, TEMPLE UNIVERSITY, BROAD AND ONTARIO STREETS, PHILADELPHIA, PA. Reaction between hormone and tyrosine oxidase system (rats).
- RO1AM-08354-10 (GMA) GROSSMAN, MORTON I, UNIVERSITY OF CALIFORNIA, DEPTS OF PHYSIOLOGY & MEDICINE, LOS ANGELES, CALIF. Gastric physiology (human, cats, rats, dogs).
- RO1AM-08368-16 (OMA) ODLAND, GEORGE F, UNIV OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Fine structure and cytochemistry of epidermis (human).
- RO1AM-08388-09 (MBC) VOLK, WESLEY A, UNIVERSITY OF VIRGINIA, DEPT OF MICROBIOLOGY, CHARLOTTESVILLE, VA. Cell wall lipopolysaccharide structure and synthesis (bacteria).
- RO1AM-08397-14 (NTN) MC CAY, PAUL B, OKLAHOMA MEDICAL RESEARCH FDN, 825 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Oxidase inhibitors in vitamin E deficiency (rats, chickens).
- RO1AM-03418-10 (ALY) SMILEY, JAMES D, UNIV TEXAS SW MEDICAL SCHOOL, 5323 HARRY HINES BLVD, DALLAS, TEX. Local immune response in rheumatoid synovitis (human).
- RO1AM-08432-09 (PTHA) MOHOS, STEVEN C, NEW YORK MEDICAL COLLEGE, GRASSLAND RESERVATION, VALHALLA, N Y. Mechanism of induced renal disease (mammals).
- PO1AM-03445-10 (AMP) MONTAGNA, WILLIAM, OREGON REG PRIMATE RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Biology of skin of man and other primates.
- PO1AM-08445-10 0001 (AMP) HU, FUNAN. Biology of skin of man and other primates—Genetic control of melanogenesis and cell interaction.
- PO1AM-03445-10 0002 (AMP) ADACHI, KENJI. Biology of skin of man and other primates—Androgen action on sebaceous glands (hamsters).
- PO1AM-03445-10 0006 (AMP) BELL, MARY. Biology of skin of man and other primates—Electron histochemistry of sebaceous glands (prosimians, human).
- PO1AM-08445-10 0003 (AMP) MONTAGNA, WILLIAM. Biology of skin of man and other primates—Immunological study (mice).
- PO1AM-03445-10 0011 (AMP) MONTAGNA, WILLIAM. Biology of skin of man and other primates—Comparative morphological investigations (human, mole, opossum).
- PO1AM-08445-10 0012 (AMP) UNO, HIDBO. Biology of skin of man and other primates—Pigmentation and transplantation of hair follicles (macaques).
- PO1AM-08445-10 0013 (AMP) ADACHI, KENJI. Biology of skin of man and other primates—New inhibitor for melanoma cells (mice).
- PO1AM-08445-10 0014 (AMP) ADACHI, KENJI. Biology of skin of man and other primates—PKA as glycolytic regulator in skin and appendages of rhesus monkeys.
- PO1AM-08445-10 0015 (AMP) BELL, MARY. Biology of skin of man and other primates—Ultrastructural studies of acne vulgaris (human).
- PO1AM-08445-10 0016 (AMP) BELL, MARY. Biology of skin of man and other primates—Ontogenic differentiation of skin.
- PO1AM-08445-10 0017 (AMP) HU, FUNAN. Biology of skin of man and other primates—Development of pigment cells in eyes of rhesus monkeys.
- PO1AM-08445-10 0018 (AMP) HU, FUNAN. Biology of skin of man and other primates—Effect of 5-bromodeoxyuridine on melanoma cells (mice).
- PO1AM-08445-10 0019 (AMP) HU, FUNAN. Biology of skin of man and other primates—The ultrastructure of a melanoma melanoma cells (mice).
- PO1AM-08445-10 0030 (AMP) HU, FUNAN. Biology of skin of man and other primates—Hormone effects on melanoma cells (mice).
- PO1AM-08445-10 0021 (AMP) PARAKKAL, PAUL. Biology of skin of man and other primates—The hair growth cycle (rats).
- PO1AM-08445-10 0022 (AMP) UNO, HIDBO. Biology of skin of man and other primates—Pigmentation of the stump tailed macaque.
- PO1AM-08458-10 (AMP) BLYTHE, WILLIAM B, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N C. Uremia and exchange of ions and water.
- PO1AM-08458-10 0001 (AMP) GITELMAN, H J. Uremia and exchange of ions and water—Factors affecting renal excretion of sodium (dogs, cattle, toads, human).
- PO1AM-08458-10 0002 (AMP) GITELMAN, H J. Uremia and exchange of ions and water—Calcium and phosphorus metabolism in chronic renal insufficiency (human, dogs).
- RO1AM-08445-09 (BBCB) SCHERAGA, HAROLD A, CORNELL UNIVERSITY, DEPT OF CHEMISTRY, ITHACA, N Y. Interactions in synthetic polyamine acids.
- RO1AM-08469-11 (GMB) VALTIN, HEINZ, DARTMOUTH MEDICAL SCHOOL, DEPT OF PHYSIOLOGY, HANOVER, N H. Hereditary diabetes insipidus (mice).
- RO1AM-08480-11 (NTN) OSTWALD, ROSMARIE, UNIVERSITY OF CALIFORNIA, DEPT OF NUTRITIONAL SCIS, BERKELEY, CALIF. Cholesterol injury in mammals (rodents, rabbits).
- RO1AM-00432-10 (PC) HOFFMAN, PHILIP, HOSP FOR JOINT DIS & MED CTR, 1919 MADISON AVENUE, NEW YORK, N Y. Protein polysaccharides of connective tissue (mice, human).
- RO1AM-08511-11 (PC) CAMPBELL, BENEDICT J, UNIVERSITY OF MISSOURI, BIOCHEMISTRY DEPT, COLUMBIA, MO. Characterization of kidney peptidase (swine, human).
- RO1AM-08533-10 (NTN) CLARK, HELEN E, PURDUE UNIVERSITY, FOODS AND NUTRITION DEPT, LAFAYETTE, IND. Utilization of essential amino acids by man (also rats).
- RO1AM-08546-10 (MET) SCHULTZ, LORIS H, UNIVERSITY OF WISCONSIN, DEPT OF DAIRY SCIENCE, MADISON, WIS. Ketogenesis in the ruminant (cattle, goats).
- RO1AM-08547-08 (BND) KENDALL, JOHN W, UNIV OF OREGON MED SCH, 3181 S W SAM JACKSON PARK ROAD, PORTLAND, OREG. Neural control of ACTH release (human, rats).
- RO1AM-08575-10 (MBY) MORRIS, ALLAN J, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Biosynthesis of human and rabbit hemoglobins.
- RO1AM-08644-10 (HEM) BUTTERWORTH, C E, JR, UNIV OF ALABAMA SCH OF MED, UNIVERSITY STATION, BIRMINGHAM, ALA. Folic acid metabolism in megaloblastic anemia (human, rat, hog).
- PO2AM-08657-10 (AMP) MELBY, JAMES C, BOSTON UNIVERSITY MEDICAL CTR, 750 HARRISON AVENUE, BOSTON, MASS. Clinical metabolic research unit.
- PO2AM-08657-10 0001 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Mechanisms regulating adrenal secretion in man.
- PO2AM-08657-10 0008 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Humoral factors in human hypertension.
- PO2AM-08657-10 0009 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Metabolism of estrogens in man.
- PO2AM-08657-10 0010 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Role of parathyroid in osteoporosis and idiopathic hypercalcaemia.
- PO2AM-08657-10 0011 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Effects of alcohol thrombopoiesis in man.
- PO2AM-08657-10 0012 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Human thrombopoietin.
- PO2AM-08657-10 0013 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Mineralocorticoid secretion in human megaloblastic anemia.
- PO2AM-08657-10 0014 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Fat malabsorption and steatorrhea (human).
- PO2AM-08657-10 0015 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Parenteral hyperalimentation in alcoholic hepatitis (human).
- PO2AM-08657-10 0016 (AMP) MELBY, JAMES C. Clinical metabolic research unit—Arginine induced growth hormone release (human).
- RO1AM-08458-10 (GMB) JOWSEY, JENIFER, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Osteoporosis and metabolic bone disorders (human, animals).
- RO1AM-08662-10 (GMB) HOWELL, DAVID S, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Phospholipids in mineralization of osteoid (human, rats).
- RO1AM-08669-12 (NTN) SCHWARZ, KLAUS, VETERANS ADMINISTRATION HOSP, 5901 EAST SEVENTH STREET, LONG BEACH, CALIF. New essential trace elements (rats).
- PO1AM-03681-09 (AMP) MC DERMOTT, WILLIAM V, JR, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Diseases of liver and portal circulation.
- PO1AM-03681-09 0015 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation—Liver transplantation (dogs).
- PO1AM-03681-09 0016 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation—Liver preservation (dog).
- PO1AM-03681-09 0017 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation—Afferent blood flow occlusion in the dog.
- PO1AM-03681-09 0018 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation—Fulminant hepatic failure (dogs).
- PO1AM-03681-09 0019 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation—Afferent blood flow in the rat.
- PO1AM-03681-09 0020 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation—Oral kanamycin and fulminant hepatic necrosis (rats, monkeys, baboons).
- PO1AM-03681-09 0021 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation—L Dopa and hepatic coma (monkeys, baboons).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01AM-08681-09 0022 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation-Methods of influencing xenograft rejection (rats, dogs, primates).
- P01AM-08681-09 0023 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation-Hemodynamics of portal hypertension (human, dogs).
- P01AM-08681-09 0024 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation-Kidney transplantation (mice, dogs, rabbits).
- P01AM-08681-09 0025 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation-Gluconeogenesis and ketogenesis in the liver (rats, dogs, human).
- P01AM-08681-09 0026 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation-Tissue enzymes and metabolic pathways.
- P01AM-08681-09 0027 (AMP) MCDERMOTT, WILLIAM V, JR. Diseases of liver and portal circulation-Liver failure (dogs, rats, human).
- R01AM-08686-09 (SSS) SMAUCKLER, EDWARD A, UNIVERSITY OF WASHINGTON, DEPT OF PATHOLOGY, SEATTLE, WASH. Cytochemical studies in liver injury (mice, rats, guinea pigs, monkeys, human).
- R01AM-08695-10 (GMB) OKEN, DONALD E, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Renal micropuncture studies of acute renal failure (rats).
- R01AM-08716-10 (GMA) DAVENPORT, HORACE W, UNIVERSITY OF MICHIGAN, DEPARTMENT OF PHYSIOLOGY, ANN ARBOR, MICH. Damage and repair of gastric mucosal barrier (dogs).
- R01AM-08732-13 (PC) WOLF, GEORGE, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Vitamin A in glycoprotein synthesis.
- R01AM-08749-10 (MET) WILSON, JEAN D, UNIV TEXAS SW MEDICAL SCHOOL, 5323 HARRY HINES BLVD, DALLAS, TEX. Cholesterol metabolism in the intact animal (baboons).
- R01AM-08764-10 (UMB) LA SALLE, MARJORIE, OREGON REGIONAL PRIM RES CTR, 505 N W 185TH AVE, BEAVERTON, ORE. Blood grouping studies in primates.
- R01AM-08816-10 (PC) SILBERT, JEREMIAH E, BOSTON VETERANS ADMIN HOSP, 150 S HUNTINGTON AVENUE, BOSTON, MASS. Metabolism of mucopolysaccharides (frogs, chick embryos).
- R01AM-08823-10 (PC) PULLMAN, MAYNARD E, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N Y. Biosynthetic processes in mitochondria (yeast, ascites tumor, cattle).
- R01AM-08845-10 (PC) KOSHLAND, DANIEL E, JR, UNIVERSITY OF CALIFORNIA, 401 BIOCHEMISTRY BUILDING, BERKELEY, CALIF. Research in biochemistry.
- R01AM-08873-10 (PC) SEGAL, HAROLD L, STATE UNIV OF NEW YORK, DEPT OF BIOLOGY, BUFFALO, N Y. Enzymic responses to altered endocrine states (rats, bacteria).
- R01AM-08879-09 (SGYA) HAYS, DANIEL M, CHILDRENS HOSPITAL, P O BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. Liver regrowth after excision-Regulation mechanisms (rat, cattle, dog, chicken).
- R01AM-08893-10 (AFY) TIPTON, CHARLES M, UNIVERSITY OF IOWA, DEPT OF PHYSIOL-BIOPHYSICS, IOWA CITY, IOWA. Mechanisms responsible for ligamentous strength (animals).
- R01AM-08901-09 (GMA) CHRISTENSEN, JAMES, UNIVERSITY OF IOWA, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Small intestinal slow wave.
- R01AM-08901-09 0004 (GMA) CHRISTENSEN, JAMES. Small intestinal slow wave-Fluid mechanics of human duodenum.
- R01AM-08901-09 0005 (GMA) CHRISTENSEN, JAMES. Small intestinal slow wave-Slow wave contractions, and flow in small intestine.
- R01AM-08943-09 (END) SCHALCH, DON S, UNIV OF ROCHESTER, SCH OF MED AND DENTISTRY, ROCHESTER, N Y. Pituitary and pancreatic hormone regulation (rats, human).
- R01AM-08949-10 (MET) HACKEL, DONALD B, DUKE UNIV MEDICAL CENTER, DEPT OF PATHOLOGY, DURHAM, N C. Diabetes mellitus in *Psammomys obesus* (rats, guinea pigs, rabbits, hamsters).
- R01AM-09000-10 (GMA) FALLON, HAROLD J, UNIV OF N C SCHOOL OF MEDICINE, DEPT OF MEDICINE, CHAPEL HILL, N C. Hepatic lipid metabolism, control and ethanol effects (rats).
- P01AM-09001-10 (AMP) YUNIS, ADEL A, UNIVERSITY OF MIAMI, 1550 N W 10TH AVENUE, MIAMI, FLA. Biochemistry and immunology of blood diseases.
- P01AM-09001-10 0017 (AMP) YUNIS, ADEL A. Biochemistry and immunology of blood diseases-Glycogen phosphorylase of platelets (human).
- P01AM-09001-10 0024 (AMP) MUENCH, K H. Biochemistry and immunology of blood diseases-Tryptophan-tRNA synthetases of *E coli* and man.
- P01AM-09001-10 0032 (AMP) MANYAN, DAVID R. Biochemistry and immunology of blood diseases-Reversible bone marrow toxicity (dogs).
- P01AM-09001-10 0033 (AMP) YUNIS, ADEL A. Biochemistry and immunology of blood diseases-Bone marrow aplasia (dogs).
- P01AM-09001-10 0034 (AMP) YUNIS, ADEL A. Biochemistry and immunology of blood diseases-Shark muscle phosphorylase.
- P01AM-09001-10 0035 (AMP) YUNIS, ADEL A. Biochemistry and immunology of blood diseases-Human muscle phosphorylase (and rabbit).
- P01AM-09001-10 0036 (AMP) YUNIS, ADEL A. Biochemistry and immunology of blood diseases-Glycogen synthesis of rat choroma.
- P01AM-09001-10 0037 (AMP) HARKNESS, DONALD R. Biochemistry and immunology of blood diseases-The effects of cyanate in rabbits.
- P01AM-09001-10 0038 (AMP) MOAKE, JOEL L. Biochemistry and immunology of blood diseases-Antibodies specific to fibrin-fibrinogen degradation products (goats, human).
- P01AM-09001-10 0039 (AMP) SO, ANTERO G. Biochemistry and immunology of blood diseases-Determination of nucleotide sequence by dinucleotide assay.
- P01AM-09001-10 0040 (AMP) CAMERON, B F. Biochemistry and immunology of blood diseases-Blood oxygen dissociation.
- P01AM-09001-10 0041 (AMP) CAMERON, B F. Biochemistry and immunology of blood diseases-Ionic effects of CO on blood oxygen transport.
- P01AM-09001-10 0042 (AMP) POPESCU, EMIL. Biochemistry and immunology of blood diseases-Dystrombocytopenia (human).
- P01AM-09001-10 0043 (AMP) AWAD WILLIAM M. Biochemistry and immunology of blood diseases-Iron exchange in conalbumin by rat intestinal mucus.
- P01AM-09001-10 0044 (AMP) AWAD, WILLIAM M. Biochemistry and immunology of blood diseases-Proteolytic enzymes from pronase.
- P01AM-09001-10 0045 (AMP) MILLER, KENT D. Biochemistry and immunology of blood diseases-Hematologic reactions and virulence.
- P01AM-09001-10 0046 (AMP) MILLER, KENT D. Biochemistry and immunology of blood diseases-Carcinoembryonic antigen (CEA) (human).
- P01AM-09001-10 0047 (AMP) MILLER, KENT D. Biochemistry and immunology of blood diseases-Staphylococcal clumping factor.
- P01AM-09001-10 0048 (AMP) SMITH, U. Biochemistry and immunology of blood diseases-Electrophysiology and sarcomeres (annelids).
- P01AM-09001-10 0049 (AMP) SMITH, U. Biochemistry and immunology of blood diseases-Membrane systems of rat lung (rats).
- P01AM-09001-10 0050 (AMP) MARTELO, ORLANDO J. Biochemistry and immunology of blood diseases-Role of cAMP on mammalian RNA synthesis (rats).
- P01AM-09001-10 0051 (AMP) RATZAN, JUDITH. Biochemistry and immunology of blood diseases-Stem cell in aplastic anemia (human, mice).
- R01AM-09006-09 (END) MONDER, CARL, HOSP FOR JOINT DIS & MED CTR, 1919 MADISON AVENUE, NEW YORK, N Y. New pathways of corticosteroid metabolism (human, hamsters).
- R01AM-09012-10 (GMB) NORMAN, ANTHONY W, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, RIVERSIDE, CALIF. Studies on vitamin D and calcium metabolism (human, animals).
- R01AM-09038-10 (PC) ROSEN, ORA M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BROOK, N Y. Cyclic nucleotide metabolism and function (hamsters, cattle, human, bacteria).
- R01AM-09059-11 (MET) COOPERSTEIN, SHERWIN J, UNIV OF CONNECTICUT HEALTH CTR, FARMINGTON AVENUE, FARMINGTON, CONN. Physiology of pancreatic islets and action of alloxan (toadfish).
- R01AM-09070-10 (BIO) COLEMAN, JOSEPH E, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR ST, NEW HAVEN, CONN. Metalloenzyme synthesis and function (bacteria).
- R01AM-09072-11 (PC) KIMMEL, JOE R, UNIVERSITY OF KANSAS, RAINBOW BLVD AT 39TH STREET, KANSAS CITY, KANS. Structure function relationships in proteins (avian pancreatic peptide).
- R01AM-09035-10 (BICA) LENHIRT, P GALEN, VANDERBILT UNIVERSITY, BOX 1807 - STATION B, NASHVILLE, TENN. Structure of biological molecules (fungi).
- R01AM-09094-09 (END) ARIMURA, AKIRA, TULANE UNIV SCHOOL OF MED, 1430 TULANE AVENUE, NEW ORLEANS, LA. Physiology of hypothalamic neurohumors (rabbits, rats).
- R01AM-09004-09 (DEN) RAYLINK, DAVID J, SCHOOL OF MEDICINE, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Nutritional influences on bone (human, rats).
- R01AM-09105-23 (MCHA) HIRSCHMANN, HANS, UNIVERSITY HOSPITALS, CLEVELAND, OHIO. Chemistry and metabolism of steroids (human).
- R01AM-09113-11 (SSS) DAVIDSON, PAUL C, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF MEDICINE, MORGANTOWN, W VA. Relation of treatment to diabetic complications (human).
- R01AM-09125-11 (END) WHEAT, WALTER G, 4911 BARNES HOSP PLAZA, ST LOUIS, MO. Extrahepatic metabolism of steroids (human, rats).
- R01AM-09128-10 (EDC) RESNICK, ROBERT H, LEMUEL SHATTUCK HOSPITAL, 170 MORTON STREET, BOSTON, MASS. Interhospital cooperative studies of cirrhosis (human).
- R01AM-09131-10 (BIO) BUCOVAZ, EDSIEL T, UNIVERSITY OF TENNESSEE, 62 SOUTH DUNLAP, MEMPHIS, TENN. Effect of amino acid analogs on protein synthesis (yeasts, rats).
- R01AM-09132-10 (PC) KUETTNER, KLAUS E, RUSH-PRESSBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Biochemistry of bone and connective tissue (cattle, chick embryo).
- R01AM-09134-09 (MBC) FRIEDMANN, HERBERT C, 920 EAST 58TH STREET, CHICAGO, ILL. Enzyme studies on vitamin B12 and its constituents (bacteria).
- R01AM-09136-15 (SGYB) JACOB, STANLEY W, UNIVERSITY OF OREGON MED SCH, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Studies in cryobiology (rabbits, turtles).
- R01AM-09155-10 (HEM) ALEXANIAN, RAYMOND, MD ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TEX. Bone marrow kinetics (human).
- R01AM-09171-10 (BIO) BRUCE, THOMAS C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, SANTA BARBARA, CALIF. Organic studies and the mechanism of enzyme action.
- R01AM-09191-08 (NTN) NELSON, BLON C, OKLAHOMA STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, STILLWATER, OKLA. Metabolism of the vitamins A (rats, chicks).
- R01AM-09221-10 (BIO) POCKER, YESHAYAU, UNIVERSITY OF WASHINGTON, DEPARTMENT OF CHEMISTRY, SEATTLE, WASH. Physico-chemical studies of enzymic hydration (human, cattle, plants).
- R01AM-09226-10 (MBC) SCHLESINGER, SONDRRA, WASHINGTON UNIVERSITY SCH OF M, BOX 8093, ST LOUIS, MO. Regulation of enzyme synthesis (bacteria).
- R01AM-09222-09 (GMB) GOODMAN, A DAVID, ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N Y. Regulation of renal ammonia and glucose production (human, rats, dogs).
- R01AM-09235-10 (MET) HERS, HENRI-GERY, 6, DEKENSTRAAT, 3000 - LOUVAIN BELGIUM. Inborn errors of carbohydrate metabolism (human, mice).
- R01AM-09227-09 (PHRA) RUBIN, RONALD P, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. The action of calcium on secretion.
- R01AM-09220-09 (BIO) HULTQUIST, DONALD E, UNIVERSITY OF MICHIGAN, 6435 MEDICAL SCIENCE I, ANN ARBOR, MICH. Characterization of erythrocyte proteins (human, chickens).
- R01AM-09222-10 (MET) ALBRINK, MARGARET J, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF MEDICINE, MORGANTOWN, W VA. Serum triglycerides and diabetic complications (human).
- R01AM-09260-09 (GMA) HIRSCHOWITZ, BASIL I, UNIVERSITY OF ALABAMA, DEPT OF MEDICINE, BIRMINGHAM, ALA. Vagal control of gastric secretion (human, chickens, dogs, amphibians).
- R01AM-09274-09 (HEM) PIOMBELLI, SERGIO, NEW YORK UNIV MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. The mechanism of red cell aging (human, rats).
- R01AM-09276-10 (BIO) SHAPER, JULES A, UNIVERSITY OF MICHIGAN, 5312 MEDICAL SCIENCE I, ANN ARBOR, MICH. Reaction mechanisms of enzymes.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1AM-09280-10 (PHY) STEVENS, CHARLES E, CORNELL UNIVERSITY, NEW YORK STATE VETERINARY COLL, ITHACA, N Y. Gastrointestinal absorption in the herbivore (ruminants).
- RO1AM-09207-09 (HEM) MC CURDY, PAUL R, D C GENERAL HOSPITAL, 19TH ST & MASSACHUSETTS AVE, S, WASHINGTON, D C. Study of G-6-PD isoenzymes (human).
- RO1AM-09313-09 (BIO) WILLIAMS, CHARLES H, JR, UNIVERSITY OF MICHIGAN, DEPT OF BIOLOGICAL CHEM, ANN ARBOR, MICH. Pyridine nucleotide-disulfide oxidoreductases (bacteria, yeast, swine).
- RO1AM-09314-10 (PC) ABBOTT, MITCHEL T, CALIFORNIA STATE UNIV, 5402 COLLEGE AVE, SAN DIEGO, CALIF. Enzymology of the oxidative metabolism of thymidine (Neurospora, rats).
- RO1AM-09351-09 (PTHA) SCHWARTZ, ROBERT S, NEW ENGLAND MED CEN HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Canine systemic lupus erythematosus (dogs and mice).
- RO1AM-09404-09 (BIBC) YOUNG, DAVID M, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Molecular structure and function of muscle (rabbits, chick embryo).
- RO1AM-09406-11 (MET) SMITH, LLOYD H, JR, UNIV OF CALIFORNIA, 3RD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Genetic diseases.
- RO1AM-09406-11 0001 (MET) SMITH, LLOYD H JR. Genetic diseases-Oxalate metabolism (human, rats).
- RO1AM-09406-11 0004 (MET) SIEGEL, ROBERT. Genetic diseases-Collagen metabolism (human).
- RO1AM-09406-11 0005 (MET) SMITH, LLOYD H, JR. Genetic diseases-Schizophrenia and sulfur amino acid metabolism (rats, human).
- RO1AM-09406-11 0006 (MET) SIEGE, ROBERT. Genetic diseases-Pyrimidine metabolism.
- R13AM-09431-09 (DER) MONTAGNA, WILLIAM, OREGON REG PRIMATE RES CENTER, 505 N W 185TH AVENUE, BEAVERTON, OREG. Annual symposium on biology of the skin.
- RO1AM-09432-10 (PTHA) NAPOLITANO, LEONARD M, UNIVERSITY OF NEW MEXICO, 915 STANFORD DRIVE, N E, ALBUQUERQUE, N MEX. Fine structure and localization of cholesterol (mice, rats, human).
- RO1AM-09461-09 (PC) LIAO, SHUTSUNG, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Macromolecular synthesis in accessory genital organs (mammals).
- RO1AM-09520-09 (NTN) HROSTED, DAVID M, 665 HUNTINGTON AVENUE, BOSTON, MASS. Nutritive value of proteins (rats, monkeys).
- RO1AM-09527-09 (MET) ROSENBERG, LEON E, 333 CEDAR STREET, NEW HAVEN, CONN. Transport, metabolism of amino acids and hexoses (human, rabbits, rodents).
- RO1AM-09537-09 (END) LEWIS, URBAN J, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Conversion of growth hormone and prolactin (human, dogs).
- RO1AM-09579-09 (END) CANFIELD, ROBERT E, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Chemistry and localization of protein hormones (human).
- RO1AM-09582-11 (PHRA) LACK, LEON, DUKE UNIVERSITY, P O BOX 3187, DURHAM, N C. Pharmacology of intestinal bile salt transport (human, rodents).
- RO1AM-09602-07 (PC) PARK, WOON K, TEMPLE UNIVERSITY SCH OF MED, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Amphibian metamorphosis and L-lysine metabolism (rats, calves, human).
- PO1AM-09650-10 (AMP) RASMUSSEN, HOWARD, UNIVERSITY OF PENNSYLVANIA, 358 ANATOMY-CHEMISTRY BLDG, PHILADELPHIA, PA. Hormonal and ionic control of metabolism.
- PO1AM-09650-10 0001 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Steroid hormone action (toad bladder).
- PO1AM-09650-10 0002 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Vitamin D mode of action and metabolism (chickens, human, rats).
- PO1AM-09650-10 0003 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Metabolic control in isolated thymocytes.
- PO1AM-09650-10 0004 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Roles of calcium and cyclic AMP in slime mold aggregation.
- PO1AM-09650-10 0005 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Electrical and secretory events in silvianary gland.
- PO1AM-09650-10 0006 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Cellular calcium concentration measurements (Spirostomum).
- PO1AM-09650-10 0007 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Effect of MSH upon melanin granule migration.
- PO1AM-09650-10 0003 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Action mechanism of parathyroid hormones (rats).
- PO1AM-09650-10 0009 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Induction of hormone receptors (frogs, toads).
- PO1AM-09650-10 0010 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Biochemistry of mitochondria using the axoplasm (squids).
- PO1AM-09650-10 0011 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Mineral metabolism diseases and their treatment with ions and hormones (human).
- PO1AM-09650-10 0012 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Calcium metabolism changes in carbohydrate disorders (human).
- PO1AM-09650-10 0013 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Vitamin D metabolism in man.
- PO1AM-09650-10 0014 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Therapy of osteoporosis (human).
- PO1AM-09650-10 0015 (AMP) RASMUSSEN, HOWARD. Hormonal and ionic control of metabolism-Periodicities of endocrine function (human).
- RO1AM-09688-10 (PC) SHI, CHARLES J, UNIVERSITY OF WISCONSIN, SCHOOL OF PHARMACY, MADISON, WIS. Biochemical studies on steroids and prostaglandins (cattle).
- RO1AM-09743-09 (SOYA) MAXWELL, MORTON H, MT SINAI HOSPITAL, 8720 BEVERLY BLVD, LOS ANGELES, CALIF. Kinetics of peritoneal dialysis (dogs).
- RO1AM-09745-09 (GEN) GIBLET, BLOISE R, KING COUNTY CENTRAL BLOOD BANK, TERRY-AT-MADISON, SEATTLE, WASH. Inherited variations in human blood components (human, dogs, mice).
- RO1AM-09748-09 (MET) SOELDNER, JOHN S, JOSLIN DIABETES FDN, INC, 170 PILGRIM ROAD, BOSTON, MASS. Diabetes-Pathogenesis, detection, and oral agents (human).
- RO1AM-09758-09 (PC) SPRECHER, HOWARD W, OHIO STATE UNIVERSITY, 370 WEST NINTH AVENUE, COLUMBUS, OHIO. Polyunsaturated fatty acid interconversions (rats).
- RO1AM-09765-09 (BIO) KOSHLAND, DANIEL E, JR, UNIV OF CALIFORNIA, 401 BIOCHEMISTRY BLDG, BERKELEY, CALIF. Regulatory processes in biological systems.
- RO1AM-09765-09 0001 (BIO) KOSHLAND, DANIEL E JR. Regulatory processes in biological systems-CTP synthetase (E coli).
- RO1AM-09765-09 0002 (BIO) KOSHLAND, DANIEL E JR. Regulatory processes in biological systems-PR-ATP synthetase (salmonella typhimurium).
- RO1AM-09765-09 0002 (BIO) KOSHLAND, DANIEL E JR. Regulatory processes in biological systems-Glyceraldehyde-3-phosphate dehydrogenase (human, fish, salmonella).
- RO1AM-09765-09 0004 (BIO) KOSHLAND, DANIEL E JR. Regulatory processes in biological systems-Theoretical studies.
- RO1AM-09765-09 0005 (BIO) KOSHLAND, DANIEL E JR. Regulatory processes in biological systems-Chemotaxis and neurobiology (bacteria).
- RO1AM-09765-09 (PHY) MAUDE, DAVID L, NEW YORK MEDICAL COLLEGE, DEPT OF PHYSIOLOGY, VALHALLA, N Y. Proximal renal tubular fluid transport in vitro (rats).
- RO1AM-09901-09 (END) WARD, DARRELL N, UNIV OF TEXAS MD ANDERSON HOSP, 6723 BERTNER AVENUE, HOUSTON, TEXAS. The chemistry of luteinizing hormones (human, swine, sheep).
- RO1AM-09905-08 (HEM) WASI, PRAWASE, MAHIDOL UNIVERSITY, DIVISION OF HEMATOLOGY, BANGKOK 7, THAILAND. Thalassemias and hemoglobinopathies and related problems (human).
- RO1AM-09918-09 (IMB) LEDDY, JOHN P, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Membrane antigens and autoantibodies (human).
- RO1AM-09922-09 (GMB) SIMPSON, DAVID P, USPHS HOSPITAL, 1314 14TH AVENUE SOUTH BOX 314, SEATTLE, WASH. Acid-base balance regulation of renal metabolism (dogs).
- RO1AM-09926-09 (BIO) KASSELL, BEATRICE, MEDICAL COLLEGE OF WISCONSIN, 561 N 15TH STREET, MILWAUKEE, WIS. Gastric zymogens, proteases and inhibitors (cattle, dogs).
- RO1AM-09934-09 (HEM) ROBINSON, STEPHEN H, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Origin and fate of bile pigments (human, rats).
- RO1AM-09938-09 (HEM) LEVRE, RICHARD D, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Control mechanisms in heme synthesis (human).
- RO1AM-09951-09 (PC) ROSEMAN, SAUL, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Biochemistry of complex carbohydrates (bacteria, chick embryo, fungi).
- RO1AM-09963-09 (PC) ATKINSON, DANIEL E, UNIVERSITY OF CALIFORNIA, CHEMISTRY DEPARTMENT, LOS ANGELES, CALIF. Enzyme-effector interactions and metabolic regulation (rabbits, bacteria).
- RO1AM-09965-09 (GMB) PECK, WILLIAM A, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Hormonal regulation of bone cell metabolism (human, dogs, rats).
- RO1AM-09992-09 (GMA) FORKER, EDSON L, UNIVERSITY OF IOWA, DEPT OF PHYSIO & BIOPHYS, IOWA CITY, IOWA. Mechanisms of bile formation (rats, dogs).
- RO1AM-09933-17 (PC) TAPPEL, ALOYS L, UNIVERSITY OF CALIFORNIA, DEPT OF FOOD SCI & TECH, DAVIS, CALIF. Free radical lipid peroxidation damage (human, rodents, birds).
- RO1AM-099258-10 (PTHA) NATYELSON, SAMUEL, MICHAEL REESE HOSP & MED CTR, 29TH STREET & ELLIS AVENUE, CHICAGO, ILL. Quinidino compounds in health and disease (rats).
- RO1AM-09978-09 (BIO) LEE, YUAN C, JOHNS HOPKINS UNIVERSITY, 34TH AND CHARLES STREETS, BALTIMORE, MD. Biochemistry of complex carbohydrates (viruses, earthworm).
- PO1AM-09976-09 (AMP) KLAHR, SAULO, WASHINGTON UNIVERSITY, SCH OF MED DEPT OF INTER MED, ST LOUIS, MO. Renal disease.
- PO1AM-09976-09 0001 (AMP) BOURGOINIE, J J. Renal disease-A humoral inhibitor of sodium transport in uremia (human, rats, animals).
- PO1AM-09976-09 0002 (AMP) SLATOPOLSKY, EDUARDO. Renal disease-Phosphate control in uremia and secondary hyperparathyroidism (dogs).
- PO1AM-09976-09 0003 (AMP) LUBOWITZ, HERBERT. Renal disease-Pathophysiological adaptations of nephron reduction (rats, dogs).
- PO1AM-09976-09 0004 (AMP) KLAHR, SAULO. Renal disease-Renal metabolism and ammonia production (rabbits, dogs, rodents).
- PO1AM-09976-09 0005 (AMP) KLAHR, SAULO. Renal disease-Ion transport and metabolism (toads, rats, rabbits, human).
- R22AM-09980-09 (SSS) GRAHAM, GEORGE G, 615 N WOLFE STREET, BALTIMORE, MD. Infantile diarrhea and malnutrition (Peru, Baltimore).
- R22AM-09980-09 0001 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Hospital treatment.
- R22AM-09980-09 0002 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Ambulatory treatment of diarrhea.
- R22AM-09980-09 0003 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Metabolic studies (human).
- R22AM-09980-09 0004 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Late effects of malnutrition (human).
- R22AM-09980-09 0005 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Ecology of malnutrition (human).
- R22AM-09980-09 0006 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Detection, treatment and prevention (human).
- R22AM-09980-09 0007 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Evaluation of new and enriched foods (human).
- R22AM-09980-09 0008 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)-Hormonal adaptation (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R22AM-09988-09 0009 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)—Indicators of protein status (human).

R22AM-09980-09 0010 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)—Copper metabolism (human).

R22AM-09980-09 0011 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)—Lactase deficiency (human).

R22AM-09980-09 0012 (SSS) GRAHAM, GEORGE G. Infantile diarrhea and malnutrition (Peru, Baltimore)—Amino acid requirements (human).

P01AM-09989-09 (AMP) ZIFF, MORRIS, DEPT OF INTERNAL MED, UNIV TEXAS SW MED SCHOOL, DALLAS, TEX. Immunological and other aspects of rheumatic diseases.

P01AM-09989-09 0001 (AMP) JOHNSON, ROBERT L. Immunological and other aspects of rheumatic diseases—Cytotoxins in dermatomyositis and polymyositis (human).

P01AM-09989-09 0002 (AMP) TATEISHI, H. Immunological and other aspects of rheumatic diseases—Electron microscopy of pannus-free cartilage (human, rabbits).

P01AM-09989-09 0003 (AMP) STASTNY, PETER. Immunological and other aspects of rheumatic diseases—Lysis of lymphocytes by complement in SLE (human, rabbits).

P01AM-09989-09 0004 (AMP) STASTNY, PETER. Immunological and other aspects of rheumatic diseases—Complement fixation with platelets in SLE (human).

R01AM-09992-09 (AMP) OLSON, ROBERT E, ST LOUIS UNIVERSITY, 1402 S GRAND BLVD, ST LOUIS, MO. Mode of action of the fat-soluble vitamins (rats, chickens, cattle, horses).

R01AM-09995-09 (GMA) CRIPPS, DEREK J, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Action spectra and biochemistry of photodermatoses (human, mice).

R01AM-10002-10 (END) KNIGGE, KARL M, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Neural control of thyroid and adrenal function (rats, cats, primates).

R01AM-10004-10 (PC) OLSON, ROBERT E, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BLVD, ST LOUIS, MO. Biosynthesis of coenzyme Q (rats).

R01AM-18010-10 (PC) NICOLAIDES, NICHOLAS, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVE, LOS ANGELES, CALIF. Analysis of the lipids of human skin.

R01AM-10045-08 (SOYA) HINMAN, FRANK JR, UNIVERSITY OF CALIFORNIA, ROOM 478, SAN FRANCISCO, CALIF. Urothelial microcontour, function and defenses.

R01AM-10045-08 0001 (SOYA) HINMAN, FRANK JR. Urothelial microcontour, function and defenses—Basic scanning electron microscopic techniques (human, dogs, rabbits).

R01AM-10045-08 0002 (SOYA) HINMAN, FRANK JR. Urothelial microcontour, function and defenses—Normal urethral and vesical uroepithelial microcontour (dogs).

R01AM-10045-08 0003 (SOYA) HINMAN, FRANK JR. Urothelial microcontour, function and defenses—Effect of stretch on urothelial microcontour (dogs).

R01AM-10045-08 0004 (SOYA) HINMAN, FRANK JR. Urothelial microcontour, function and defenses—Microcontour in infected urothelium (dogs).

R01AM-10045-08 0005 (SOYA) HINMAN, FRANK JR. Urothelial microcontour, function and defenses—Bacterial washout and effect on urinary diversion (dogs).

R01AM-10045-08 0006 (SOYA) HINMAN, FRANK JR. Urothelial microcontour, function and defenses—Effect of chemicals and hormones (rats).

R01AM-10045-08 0007 (SOYA) HINMAN, FRANK JR. Urothelial microcontour, function and defenses—Antigen-antibody reactions in female urethra (guinea pigs, dogs).

R01AM-10067-08 (PC) ALWORTH, WILLIAM L, TULANE UNIVERSITY, DEPT OF CHEMISTRY, NEW ORLEANS, LA. Biosynthesis of the DBI moiety of vitamin B12 (propionibacteria).

R01AM-10072-10 (HBA) GLAUSER, STANLEY C, TEMPLE UNIVERSITY SCH OF MED, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Physical chemistry of human hemoproteins.

R01AM-10073-09 (END) MC CANN, SAMUEL M, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEXAS. Neurohumoral control of the anterior pituitary (rats).

R01AM-18080-09 (END) SCHWARTZ, IRVING L, MOUNT SINAI SCHOOL OF MEDICINE, 10 EAST 102ND STREET, NEW YORK, N Y. Mechanism of action of peptide hormones (rats, toads).

R01AM-10081-09 (END) SALHANICK, HILTON A, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Mode of action and synthesis of progestational hormones (human).

R01AM-10101-09 (PHY) BALAGURA-BARUCH, SULAMITA, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N Y. Effects of acid-base changes on renal metabolism (dogs, rats).

R01AM-10141-09 (PHY) FORTE, JOHN G, UNIVERSITY OF CALIFORNIA, LIFE SCIENCES BUILDING, BERKELEY, CALIF. Mechanism of H and Cl transport of gastric mucosa (swine, frogs).

R01AM-10143-09 (ALY) CLAMAN, HENRY M, UNIV OF COLORADO MED CTR, 4200 EAST 9TH AVENUE, DENVER, COLO. Immunocompetence of thymus cells (mice, guinea pigs).

R01AM-10149-09 (MET) FAIN, JOHN N, BROWN UNIVERSITY, BOX 1913, PROVIDENCE, R I. Hormonal control of lipid metabolism (rats).

R01AM-10151-09 (MET) BLACKARD, WILLIAM G, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Pathogenesis of diabetes mellitus (human, monkeys, rats).

R01AM-10155-09 (PHRA) SCHAYER, RICHARD W, ROCKLAND STATE HOSPITAL, RESEARCH CENTER, ORANGEBURG, N Y. Metabolism and function of histamine (mice, rats, guinea pigs).

R01AM-10166-09 (MET) LYMAN, RICHARD L, UNIVERSITY OF CALIFORNIA, DEPT OF NUTRITIONAL SCI, BERKELEY, CALIF. Characterization and isolation of lecithins (rats).

R01AM-10171-09 (ALY) GOLDSTEIN, IRWIN J, UNIVERSITY OF MICHIGAN, 4322 MEDICAL SCIENCE I, ANN ARBOR, MICH. Protein-carbohydrate interaction (rabbits, mice).

R01AM-10188-09 (END) ALTSZULER, NORMAN, NEW YORK UNIVERSITY MED CTR, 550 1ST AVENUE, NEW YORK, N Y. Hormonal regulation of metabolism (dogs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02AM-10202-08 (AMP) MARGEN, SHELTON, DEPT OF NUTRITIONAL SCIENCES, UNIV OF CALIFORNIA, BERKELEY, CALIF. Studies in human nutrition.

P02AM-10202-08 0001 (AMP) MARGEN, SHELTON. Studies in human nutrition—Optimal weight reduction diet in obesity (human).

P02AM-10202-08 0002 (AMP) MARGEN, SHELTON. Studies in human nutrition—Protein requirements of teenage pregnancy (human, rats).

P02AM-10202-08 0005 (AMP) MARGEN, SHELTON. Studies in human nutrition—Lactose malabsorption in relation to age, ethnic background and nutrition.

P02AM-10202-08 0004 (AMP) MARGEN, SHELTON. Studies in human nutrition—Effects of wine on metabolic functions in man.

P02AM-10202-08 0005 (AMP) MARGEN, SHELTON. Studies in human nutrition—Availability of folicin in food.

P02AM-10202-08 0006 (AMP) MARGEN, SHELTON. Studies in human nutrition—Trace metal metabolism.

R01AM-10206-08 (GMB) TASHJIAN, ARMIN H, JR, HARVARD SCHOOL OF DENTAL MED, 188 LONGWOOD AVENUE, BOSTON, MASS. Peptide hormones affecting mineral metabolism (human, swine, fish).

R01AM-10209-08 (MET) WELLS, WILLIAM W, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Energy metabolism in inborn errors of metabolism (chickens, human).

R01AM-10214-09 (NTN) EVANS, ROBERT J, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Lipid-protein binding in lipoproteins (chickens).

R01AM-10254-09 (MET) SIMS, ITHAM A, UNIVERSITY OF VERMONT, GIVEN BUILDING, BURLINGTON, VT. Metabolic interrelationships of obesity and diabetes (human, rats, woodchucks).

R01AM-10273-08 (BIO) BAHL, OM P, STATE UNIV OF NEW YORK, DEPT OF BIOCHEMISTRY, BUFFALO, N Y. Chorionic gonadotropin (human, sheep, rats).

R01AM-10297-08 (NTN) NEAL, ROBERT A, VANDERBILT UNIV SCH OF MED, DEPARTMENT OF BIOCHEMISTRY, NASHVILLE, TENN. Thiamine metabolism in mammals (human, rats).

R01AM-10305-09 (MET) KALKHOFF, RONALD K, MILWAUKEE COUNTY HOSP, 8700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Metabolic effects of insulin antagonism and deficiency (human, rats).

R01AM-10332-09 (GMA) KARASEK, MARVIN A, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Metabolism of pyrimidine nucleotides in skin (mice).

R01AM-10334-09 (PC) LARDY, HENRY A, INSTITUTE FOR ENZYME RESEARCH, 1710 UNIVERSITY AVENUE, MADISON, WIS. Control processes in mammalian cells (rats, cattle, human).

R01AM-10335-09 (PC) CARLSON, DON M, CASE WESTERN RESERVE UNIV, DEPT OF BIOCHEMISTRY, CLEVELAND, OHIO. Chemistry and biosynthesis of glycoproteins (human, swine).

R01AM-10336-09 (MBC) OLVARO, CHARLES, FRICK CHEMICAL LABORATORY, PRINCETON UNIVERSITY, PRINCETON, N J. Peptide utilization (bacteria).

R01AM-10339-09 (PC) COON, MINOR J, UNIVERSITY OF MICHIGAN MED SCH, 5440 MEDICAL SCIENCE I, ANN ARBOR, MICH. Kinases, desferriases, and hydroxylases (bacteria, yeast, rabbits).

R01AM-10358-09 (GMA) NIMANI, MARCEL E, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, OGD-130, LOS ANGELES, CALIF. Effects of penicillamine on collagen metabolism (human, rats, cattle).

R01AM-10378-09 (GMA) GERBER, DONALD A, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Metabolic abnormalities in rheumatoid arthritis.

R01AM-10420-09 (PHY) RENNICK, BARBARA R, STATE UNIV OF NEW YORK, 122 CAPEN HALL, BUFFALO, NEW YORK. Active transport of organic bases by the renal tubules (chick embryo, rats).

R01AM-10428-09 (ALY) REICHLIN, MORRIS, BUFFALO VETERANS ADMIN HOSP, 3495 BAILEY AVE, BUFFALO, N Y. Immunochemistry of hemoglobin variants (rabbits).

R01AM-10446-06 (GMB) BUNCE, GEORGE E, VIRGINIA POLYTECHNIC INST, DEPT OF BIOCHEM & NUTRITION, BLACKSBURG, VA. Magnesium nutrition and pathological calcification (rats).

R01AM-10451-09 (BIO) SCHRAMMA, MICHAEL, HEBREW UNIVERSITY OF JERUSALEM, DEPT OF BIOLOGICAL CHEMISTRY, JERUSALEM, ISRAEL. Enzyme secretion and its metabolic control (rats).

R01AM-10485-09 (HBA) BANNENMAN, ROBIN M, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N Y. Abnormalities of hemoglobin metabolism (human, mice).

R01AM-10486-09 (PTHA) BAINTON, DOROTHY F, UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY, 595 HSW, SAN FRANCISCO, CALIF. Maturation and function of PMN leukocytes (human, rodents, rabbits).

R01AM-10493-09 (MAB) MALAWISTA, STEPHEN B, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Biophysical mechanisms in leukocytes and melanocytes (human, frogs, bacteria).

R01AM-10507-07 (HBA) MC CUSKEY, ROBERT S, UNIVERSITY OF CINCINNATI, DEPARTMENT OF ANATOMY, CINCINNATI, OHIO. Studies of the hemopoietic microenvironment (hamsters, mice).

R01AM-10508-09 (PHY) ALVARADO, RONALD H, OREGON STATE UNIVERSITY, DEPARTMENT OF ZOOLOGY, CORVALLIS, OREG. Ontogeny of osmotic and ionic regulation (frogs, salamanders).

R01AM-10531-09 (PC) JOURDIAN, GEORGE W, UNIVERSITY OF MICHIGAN, R4633 KRESGE MED RES BLDG, ANN ARBOR, MICH. Biochemistry of mucopolysaccharides (human, chicks, rats, cattle, guinea pigs).

R01AM-10532-08 (PHY) JOBSIS, FRANS F, DUKE UNIVERSITY, 365 MEDICAL SCIENCES BLDG I, DURHAM, N C. Intracellular reactions in contracting muscles (amphibians, barnacles).

R01AM-10537-08 (MAB) BRUTNIER, ERNST H, STATE UNIV OF N Y AT BUFFALO, ROOM 219 SHERMAN HALL, BUFFALO, N Y. Autoimmunity in bulbous diseases (rabbits, human).

R01AM-10546-09 (GMA) BRIGGAMAN, ROBERT A, NORTH CAROLINA MEMORIAL HOSP, DIVISION OF DERMATOLOGY, CHAPEL HILL, N C. Epidermal cell model from human skin.

R01AM-10546-09 0001 (GMA) BRIGGAMAN, ROBERT A. Epidermal cell model from human skin—Epidermal-dermal interactions in normal and diseased skin.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1AM-10546-09 0002 (GMA) BRIGGAMAN, ROBERT A. Epidermal cell model from human skin-Formation, origin and function of structures at epidermal-dermal junction.

RO1AM-10551-09 (PHY) FUCHS, FRANKLIN, UNIVERSITY OF PITTSBURGH, SCHOOL OF MEDICINE, PITTSBURGH, PA. Analysis of cellular calcium compartments in muscle (rabbits).

RO1AM-10558-09 (GMB) MUNSON, PAUL L. UNIV OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Peptide hormones affecting calcium metabolism.

RO1AM-10558-09 0001 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Calcium metabolism (rats, pigs).

RO1AM-10558-09 0002 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Gastrin secretion in the pig.

RO1AM-10558-09 0003 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Hypercalcemia prevention (pigs).

RO1AM-10550-09 0003 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Purification of rat thyrocalcitonin.

RO1AM-10558-09 0006 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Experimental nephrocalcinosis (rats).

RO1AM-10558-09 0007 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Hypocalcemic effects of drugs and metabolites (rats, chickens).

RO1AM-10558-09 0008 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Parathyroid gland in hypocalcemia prevention.

RO1AM-10558-09 0010 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Thyrocalcitonin and cyclic AMP.

RO1AM-10550-09 0013 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Radioimmunoassay of rat thyrocalcitonin.

RO1AM-10558-09 0014 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Hypocalcemic response to TC in rats from stress.

RO1AM-10558-09 0015 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Pentagastrin test for medullary thyroid carcinoma (human).

RO1AM-10558-09 0016 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-TC in long-term iodine deficiency (rats).

RO1AM-10558-09 0017 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Beta-adrenergic drugs and calcium metabolism (rats).

RO1AM-10558-09 0018 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Calcium metabolism in the crayfish.

RO1AM-10558-09 0019 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Stability of thyrocalcitonin in rat thyroid glands.

RO1AM-10558-09 0020 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Experimental cardiovascular calcification (rats).

RO1AM-10558-09 0021 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Mechanisms of TC release at subcellular level.

RO1AM-10558-09 0022 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Sialoadenectomy and serum CA in thyroparathyroidectomized rats.

RO1AM-10558-09 0023 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Discrimination between G-I hormones.

RO1AM-10558-09 0024 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Factors in TC secretion during feeding (pigs, rats).

RO1AM-10558-09 0025 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Development of antisera to human TC (chickens, rats).

RO1AM-10553-09 0026 (GMB) MUNSON, PAUL L. Peptide hormones affecting calcium metabolism-Beta-adrenergic drugs and mechanisms of gastrin and TC secretion.

RO1AM-10571-08 (MET) KAPLAN, MARSHALL M. NEW ENGLAND MED CTR HOSPITALS, 171 HARRISON AVENUE, BOSTON, MASS. Enzyme regulation in liver disease (rats).

RO1AM-10588-09 (MCHA) ANDERSON, LAURENS, UNIVERSITY OF WISCONSIN, DEPARTMENT OF BIOCHEMISTRY, MADISON, WIS. Synthesis of compound saccharides.

RO1AM-10591-09 (END) MATSCHINSKY, FRANZ M. 660 SOUTH EUCLID, ST LOUIS, MO. Metabolism of islets of Langerhans and hormone release (rats, rabbits, dogs).

RO1AM-10628-09 (AMT) SCALLIN, TERENCE J. UNIVERSITY OF NEW MEXICO, 915 STARFORD DRIVE, N E. ALBUQUERQUE, N MEX. Lipid metabolism in biological systems (rodents, cattle, monkeys).

RO1AM-10646-08 (ABC) DICKERMAN, HERBERT W. JOHNS HOPKINS UNIVERSITY, SCHOOL OF MEDICINE, BALTIMORE, MD. Folate-B12 metabolism in normal and pathological cells (mice).

RO1AM-10672-09 (PTHA) LANGE, KURT, NEW YORK MEDICAL COLLEGE, 5TH AVENUE & 106TH STREET, NEW YORK, N Y. Immunology of renal diseases (children, adults).

RO1AM-10696-08 (GMA) CRANE, ROBERT K. RUTGERS MEDICAL SCHOOL, DEPARTMENT OF PHYSIOLOGY, PISCATAWAY, N J. Brush border phase of digestive-absorptive function (human, animals).

RO1AM-10699-09 (MET) PREINKEL, NORBERT, NORTHWESTERN UNIV MED SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Regulatory mechanisms in metabolism (human, rats, baboons).

RO1AM-10704-06 (MET) YOUNG, JERRY W. IOWA STATE UNIVERSITY, 313 KILDEE HALL, AMES, IOWA. Mechanism and control of gluconeogenesis in ruminants (calves, pigs).

RO1AM-10723-08 (END) KAPLAN, SELMA L. UNIVERSITY OF CALIFORNIA, DEPT OF PEDIATRICS, SAN FRANCISCO, CALIF. Immunochemistry and physiology of growth hormones (human).

RO1AM-10723-08 (PTHA) CASTOR, C WILLIAM, UNIVERSITY OF MICHIGAN, R4633 KRESGE MEDICAL RES BLDG, ANN ARBOR, MICH. Connective tissue activation in rheumatic disease (human, rodents).

RO1AM-10733-08 (END) SCHNEIDER, PETER B. BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Control of phospholipid metabolism (dogs, rats).

RO1AM-10739-09 (END) STERLING, KENNETH, VETERANS ADMINISTRATION HOSP, 130 W KINGSBRIDGE ROAD, BRONX, N Y. Thyracine binding protein and hormone utilization (rats).

RO1AM-10742-08 (BIO) BUNTON, CLIFFORD A. UNIV OF CALIFORNIA, DEPT OF CHEMISTRY, SANTA BARBARA, CALIF. Models for enzymic phosphorylation and hydrolysis.

RO1AM-10746-08 (GMA) GERATZ, J DIETER, UNIV OF NORTH CAROLINA, DEPARTMENT OF PATHOLOGY, CHAPEL HILL, N C. Protease inhibitors, physiology and pathology (dogs, rats, mice, guinea pigs).

RO1AM-10747-08 (NTN) HARPER, ALFRED E. UNIVERSITY OF WISCONSIN, DEPARTMENT OF BIOCHEMISTRY, MADISON, WIS. Altered diet and plasma amino acid pattern (rats).

RO1AM-10743-08 (NTN) HARPER, ALFRED E. UNIVERSITY OF WISCONSIN, DEPARTMENT OF BIOCHEMISTRY, MADISON, WIS. Effect of diet and hormones on enzymes and metabolism (rats).

RO1AM-10763-07 (AFY) MOE, MAYNARD L. UNIVERSITY OF DENVER, DENVER RESEARCH INSTITUTE, DENVER, COLO. Ocular control systems for orthotics (human).

RO1AM-10764-08 (BIO) EBNER, KURT E. OKLAHOMA STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, STILLWATER, OKLA. Mechanism of lactose synthesizing enzymes (rats, cattle).

RO1AM-10767-08 (PC) GAYLOR, JAMES L. CORNELL UNIVERSITY, 323 SAVAGE HALL, ITHACA, N Y. Sterol biosynthesis (rats, chickens, yeast).

RO1AM-10785-18 (HEM) SCHULTZE, M O. UNIV OF MINNESOTA, DEPT OF BIOCHEMISTRY, ST PAUL, MINN. Abnormal nucleic acids in aplastic anemia (cattle).

RO1AM-10794-08 (BBCA) BLOUT, ELKAN R. HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Synthesis of oligopeptides and cyclic peptides.

RO1AM-10009-07 (PTHA) LEE, ROBERT E. UNIVERSITY OF PITTSBURGH, DEPT OF PATHOLOGY, PITTSBURGH, PA. EM study and x-ray diffraction of stored lipids (human, rats, mice).

RO1AM-10011-09 (GMA) DI FERRANTE, NICOLA M. BAYLOR COLLEGE OF MED, 1200 MOURSUND, HOUSTON, TEX. Glycosaminoglycans in health and disease states.

PO1AM-10824-08 (AMP) MANNICK, JOHN A. BOSTON UNIV MED SCH, 80 EAST CONCORD STREET, BOSTON, MASS. Cellular immunity.

PO1AM-10824-08 0001 (AMP) SCHMID, KARL. Cellular immunity-Extraction of immunoregulatory alpha globulin (human).

PO1AM-10824-08 0002 (AMP) GLASGOW, ARTHUR. Cellular immunity-Isolation of immunoregulatory alpha globulin (human, mice).

PO1AM-10824-08 0003 (AMP) GLASGOW, ARTHUR. Cellular immunity-Tissue localization of injected immunoregulatory alpha globulin (mice).

PO1AM-10824-08 0004 (AMP) GLASGOW, ARTHUR. Cellular immunity-Immunoregulatory alpha globulin in vivo (rats).

PO1AM-10824-08 0005 (AMP) GLASGOW, ARTHUR. Cellular immunity-Effect of immunoregulatory alpha globulin on thymus and cells (mice).

PO1AM-10824-08 0006 (AMP) GLASGOW, ARTHUR. Cellular immunity-Effect of immunoregulatory alpha globulin on graft vs host disease (mice).

PO1AM-10824-08 0007 (AMP) DAVIS, ROBERT C. Cellular immunity-Immunoregulatory alpha globulin in induction of tolerance (mice).

PO1AM-10824-08 0008 (AMP) GLASGOW, ARTHUR. Cellular immunity-Immunoregulatory alpha globulin effects on kidney transplants (dogs).

PO1AM-10824-08 0009 (AMP) DECKERS, PETER. Cellular immunity-Adoptive immunity to tumors (mice).

PO1AM-10824-08 0010 (AMP) DECKERS, PETER. Cellular immunity-RNA mediated transfer of tumor immunity (mice, guinea pigs).

PO1AM-10824-08 0011 (AMP) MANNICK, JOHN A. Cellular immunity-Mechanism of RNA mediated transfer of immunity (mammals).

PO1AM-10824-08 0012 (AMP) DAVIS, ROBERT C. Cellular immunity-Rabbit ALG in cadaver kidney transplants (human).

PO1AM-10824-08 0013 (AMP) DAVIS, ROBERT C. Cellular immunity-Kidney transplantation in amyloidosis (human).

PO1AM-10824-08 0014 (AMP) MELBY, JAMES C. Cellular immunity-Aldosterone metabolism in anephric patients.

PO1AM-10824-08 0015 (AMP) GLASGOW, ARTHUR. Cellular immunity-Immunosuppressive therapy with immunoregulatory alpha globulin (human).

PO1AM-10824-08 0016 (AMP) COOPERBAND, SIDNEY R. Cellular immunity-Immunoassay for circulating immunoregulatory alpha globulin (human, rabbits).

RO1AM-10033-08 (BBCB) MITCHELL, WILLIAM M. VANDERBILT UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, NASHVILLE, TENN. Structure of collagen (bacteria, mice, human).

RO1AM-10844-08 (GMB) CLAPP, JAMES R. DUKE UNIV MEDICAL CENTER, BOX 3014, DURHAM, N C. Micropuncture study of renal tubular function (human, dogs, baboons).

RO1AM-10049-08 (MCHA) REUSCH, WILLIAM H. MICHIGAN STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, EAST LANSING, MICH. Approaches to structurally modified steroids.

RO1AM-10866-08 (MET) GOODNER, CHARLES J. HARBORVIEW MEDICAL CENTER, 325 NINTH AVENUE, SEATTLE, WASH. Regulation of substrates in diabetes and obesity (baboons).

RO1AM-10824-08 (SSS) SEGAL, STANTON, CHILDRENS HOSP OF PHILADELPHIA, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Genetic metabolic diseases of infancy and childhood.

RO1AM-10894-08 0001 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Galactose metabolism in patients.

RO1AM-10894-08 0002 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Metabolism of galactose in liver and intestine (rats).

RO1AM-10894-08 0003 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Developmental and other regulatory aspects of galactose pathways (rats).

RO1AM-10894-08 0004 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Galactose toxicity (chicks, rats).

RO1AM-10894-08 0005 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Uptake and binding of amino acids by brush border membranes (rats, rabbits).

RO1AM-10894-08 0007 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Mechanism of cystinuria (dogs).

RO1AM-10894-08 0008 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Sugar transport in rat kidney cortex (also rabbits, dogs, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1AM-10894-08 0010 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Developmental pattern of amino acid transport in rat kidney cortex.

RO1AM-10094-08 0011 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Amino acid pools and protein synthesis (human).

RO1AM-10094-08 0013 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-ATP content and correlation with amino acid transport of stored slices (rats).

RO1AM-10894-08 0014 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Metabolism and transport of galactose in rat kidney.

RO1AM-10894-08 0015 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Kinetics of rat liver UDP Gal uridytransferase activity.

RO1AM-10894-08 0016 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Membrane turnover (rats).

RO1AM-10894-08 0017 (SSS) SEGAL, STANTON. Genetic metabolic diseases of infancy and childhood-Maleic acid induced Fanconi syndrome (rats).

RO1AM-10913-08 (GMB) HOOK, JERRY B, MICHIGAN STATE UNIVERSITY, DEPT OF PHARMACOLOGY, EAST LANSING, MICH. Factors affecting renal physiology in the newborn (dogs, rats, rabbits, monkeys).

RO1AM-10919-08 (GMB) OKEN, DONALD E, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS 02115. Micropuncture study of renal protein transport (rats).

RO1AM-10948-05 (END) KING, DAVID B, FRANKLIN AND MARSHALL COLLEGE, LANCASTER, PA. Endocrine regulation of muscle growth (chickens).

RO1AM-10956-08 (PTHA) SPICER, SAMUEL S, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE ST, CHARLESTON, S C. Cell ultrastructure and function (human, mammals, nonhuman).

RO1AM-10960-08 (PHRA) FISHBEIN, WILLIAM M, ARMED FORCES INST OF PATH, BIOCHEMISTRY BR, RM 3001, WASHINGTON, D C. Topochemistry of urease and its hydroxamate inhibitors (plants, bacteria, rodents).

RO1AM-10992-09 (END) STANBURY, JOHN B, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVE RM 56-137, CAMBRIDGE, MASS. Enzymatic mechanisms of thyroid gland (human, rats).

RO1AM-11011-08 (MBY) TASHJIAN, ARAM H, JR, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS. Differentiated function in dispersed cell cultures (human, rats, mice).

RO1AM-11023-08 (PTHB) SPICER, SAMUEL S, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Morphochemical studies with light and electron microscopy (rodents, human).

RO1AM-11029-08 (MET) MILLER, LEON L, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Net synthesis of plasma proteins by perfused liver (rats).

RO1AM-11043-08 (END) DUNN, JOHN T, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, CHARLOTTESVILLE, VA. Thyroglobulin in thyroid disease (human, rabbits).

R22AM-11044-08 (SSS) OLSON, ROBERT E, ST LOUIS UNIV SCH OF MEDICINE, 1402 S GRAND BOULEVARD, ST LOUIS, MO. Etiology of nutritional anemias in Thailand (human).

RO1AM-11060-17 (END) KOCHAKIAN, CHARLES D, UNIVERSITY OF ALABAMA, 1919 7TH AVENUE, BIRMINGHAM, ALA. Mechanisms of androgen action (animals).

RO1AM-11061-09 (PTHA) HARTROFT, PHYLLIS M, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. The juxtaglomerular complex (dogs, mice, rats, fish, human).

RO1AM-11146-07 (MET) NEUHAUS, OTTO W, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILION, S DAK. Control of hepatic biosynthesis of plasma proteins (rats).

RO1AM-11146-08 (MBC) LASCELLES, JUNE, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, LOS ANGELES, CALIF. Regulation of heme and hemoprotein synthesis (bacteria, fungi).

RO1AM-11157-08 (BIO) WESTHEAD, EDWARD W, JR, DEPT OF BIOCHEMISTRY, UNIV OF MASSACHUSETTS, AMHERST, MASS. Molecular basis of aspartokinase feedback control (E coli).

RO1AM-11161-07 (END) NICOLL, CHARLES S, UNIVERSITY OF CALIFORNIA, 2549 LIFE SCIENCES BUILDING, BERKELEY, CALIF. Somatotropic activities vertebrate prolactins (animals).

RO1AM-11194-07 (BIO) ROTMAN, M BORIS, BROWN UNIVERSITY, DIV OF BIOL-MED SCIS, PROVIDENCE, R I. Biochemical components of a transport system (bacteria).

RO1AM-11202-08 (ALY) EDWIN, MICHAEL A, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Chemistry of transplantation antigens (mice).

RO1AM-11234-07 (GEN) WARNER, NOEL L, WALTER & ELIZA HALL INST OF MEDICAL RESEARCH, PO, P M H, 3050 VICTORIA, AUSTRALIA. Genetics of murine plasmacytomas and autoimmunity.

RO1AM-11237-08 (END) WURTMAN, RICHARD J, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Endocrine control of the metabolism of neurohumors (human, cat, rat, amphibians).

RO1AM-11242-08 (GMA) CHRISTENSEN, JAMES, VETERANS ADMINISTRATION HOSP, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Regulation of lower esophageal sphincter (opossum).

RO1AM-11244-08 (PC) BORNSTEIN, PAUL, UNIVERSITY OF WASHINGTON, DEPARTMENT OF BIOCHEMISTRY, SEATTLE, WASH. Structure of connective tissue proteins (human, mammals).

RO1AM-11258-07 (HBM) WHEEDY, MUNSEY S, DEPT OF INTERNAL MED, UNIV OF VIRGINIA SCHOOL OF MED, CHARLOTTESVILLE, VA. Iron absorption and metabolism (human, rats, dogs).

RO1AM-11262-08 (GMB) STERN, PAULA H, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Effects of hormones on bone resorption in vitro (tissue culture).

RO1AM-11265-06 (MET) BURNS, THOMAS W, UNIV OF MISSOURI SCH OF MED, DEPARTMENT OF MEDICINE, COLUMBIA, MO. Adipose tissue regulation of fat metabolism (human, mammals, nonhuman).

RO1AM-11270-08 (GMA) GRAY, GARY M, STANFORD UNIVERSITY SCH OF MED, DEPARTMENT OF MEDICINE, STANFORD, CALIF. Carbohydrate digestion by the intestine (human, rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1AM-11275-08 (GMA) SCHMID, RUDI, UNIVERSITY OF CALIFORNIA, 3RD AVENUE & PARNASSUS, SAN FRANCISCO, CALIF. Bile pigment metabolism (human, rats).

RO1AM-11279-08 (MET) HANSON, RICHARD W, FELLS RESEARCH INST, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Aspects of the control of lipogenesis (rats, guinea pigs, human).

RO1AM-11290-08 (AMP) BELZER, POLKERT O, UNIVERSITY OF CALIFORNIA, S F, THIRD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Pathophysiology of organ transplant (human).

RO1AM-11291-07 (NTN) SCHWARZ, KLAUS, VETERANS ADMINISTRATION HOSP, 5901 EAST 7TH STREET, LONG BEACH, CALIF. Chemical identity and nutritional effects of factor G (animals, human).

RO1AM-11295-08 (BBCA) BRIGLANDER, S WALTER, UNIVERSITY OF PENNSYLVANIA, 358 ANATOMY-CHEMISTRY BLDG, PHILADELPHIA, PA. Physical studies of biological macromolecules.

RO1AM-11308-08 (GMA) GRAHAM, RICHARD C, JR, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Pathogenesis of inflammatory responses (rabbits, mice).

RO1AM-11313-08 (PC) SREBE, PAUL A, VETERANS ADMINISTRATION HOSP, 4500 S LANCASTER ROAD, DALLAS, TEX. Structures and mechanisms of citrate enzymes (bacteria, rats).

RO1AM-11317-08 (BIO) SIMPSON, MELVIN V, STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF BIOCHEMISTRY, STONY BROOK, N Y. Mitochondria-Nucleic acid synthesis and role of DNA (rats).

RO1AM-11356-07 (HBM) PARKER, JOHN C, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N C. Ion transfer and metabolism in mammalian red cells (human, dogs).

RO1AM-11367-07 (NTN) OLSON, JAMES A, MAHIDOL UNIVERSITY, RAMA 6 ROAD, BANGKOK, THAILAND. Metabolism and function of carotenoids and vitamin A (human, fish, crustaceans).

RO1AM-11376-13 (END) SEAL, ULYSSES S, VETERANS ADMINISTRATION HOSP, 54TH ST & 48TH AVE, MINNEAPOLIS, MINN. Plasma hormone-binding proteins and estrogen action (mammals).

RO1AM-11881-14 (HBM) WEISS, LEON P, JOHNS HOPKINS UNIV SCH OF MED, 725 N WOLFE STREET, BALTIMORE, MD. Electron microscopy of the reticuloendothelial system (human, animals).

RO1AM-11384-08 (GMA) GRONWALL, RONALD R, KANSAS STATE UNIVERSITY, DEPT OF PHYSIOLOGICAL SCIS, MANHATTAN, KANS. Hepatic organic anion transport mechanisms (sheep, horses, dogs, rats).

RO1AM-11407-08 (CBY) MUMFORD, BRYCE L, MILTON S HERSHEY MEDICAL CTR, 500 UNIVERSITY DRIVE, HERSHEY, PA. Histophysiology of secretion (birds, guinea pigs).

RO1AM-11410-08 (PC) KEMP, ROBERT G, MEDICAL COLLEGE OF WISCONSIN, 561, MILWAUKEE, WIS. Allosteric properties of phosphofructokinase (rabbits).

RO1AM-11414-08 (ALY) SCHUR, PETER M, ROBERT B BRIGHAM HOSPITAL, 125 PARKER HILL AVENUE, BOSTON, MASS. Immunochemistry of immune complexes in disease (human).

RO1AM-11431-07 (GMB) ARCHIBALD, REGINALD M, ROCKEFELLER UNIVERSITY, E 66TH ST & YORK AVE, NEW YORK, N Y. Calcitonin, its metabolism particularly in man (tissue culture, bat, rat, swine).

RO1AM-11440-08 (PC) CORI, CARL F, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Cellular regulation of enzyme activity (rabbits, mice).

RO1AM-11453-07 (MET) SMALL, DONALD M, 80 EAST CONCORD ST, BOSTON, MASS. Physical chemistry of biologically active lipids (monkeys, baboons, human).

RO1AM-11454-08 (END) SCHUSSLER, GEORGE C, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N Y. Serum thyroxine binding and thyroxine turnover (human, rats).

RO1AM-11465-06 (MET) BROWN, JOSEPH D, UNIVERSITY HOSPITALS, DEPARTMENT OF MEDICINE, IOWA CITY, IOWA. Endocrinology of adipose tissue (human, rats, mice).

RO1AM-11476-08 (ALY) MANNIK, MART, UNIVERSITY OF WASHINGTON, MAIL STOP, SEATTLE, WASH. Renal disease of systemic lupus (human, rabbits, primates).

RO1AM-11439-08 (PHY) WINDHAGER, ERICH E, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N Y. Ion and water transport across renal tubules (rats).

RO1AM-11493-08 (BBCB) RAMACHANDRAN, G M, 5640 ELLIS AVENUE, CHICAGO, ILL. Theoretical studies on protein structure.

RO1AM-11496-06 (END) BRODISH, ALVIN, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Regulation of anterior pituitary secretions (rats).

RO1AM-11499-08 (MCHB) FRIED, JOSEF, UNIVERSITY OF CHICAGO, 950 E 59TH ST, CHICAGO, ILL. Synthesis of prostaglandins and prostaglandin analogs.

RO1AM-11524-06 (GMA) POLLACK, SIMON, FORSCHEIMER BUILDING, ALBERT EINSTEIN COLL OF MED, BRONX, N Y. Studies on iron absorption (guinea pigs).

RO1AM-11528-07 (GMB) WADKINS, CHARLES L, UNIVERSITY OF ARKANSAS, 4301 WEST MARSHAM, LITTLE ROCK, ARK. Control mechanisms of biological calcification (rats, human).

RO1AM-11597-08 (NTN) KRAUSE, REGINALD P, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, MORGANTOWN, W VA. Metabolic role of vitamin A (rats).

RO1AM-11605-08 (END) NELSON, DON M, LATTER-DAY SAINTS HOSPITAL, 325 - 8TH AVENUE, SALT LAKE CITY, UTAH. Endocrine influences in disease (rats).

RO1AM-11649-06 (GMA) STOUGHTON, RICHARD B, 476 PROSPECT STREET, LA JOLLA, CALIF. Percutaneous absorption (human, rats, mice).

RO1AM-11661-08 (PC) DARROW, ROBERT A, CHARLES F KETTERING RES LAB, 150 E SOUTH COLLEGE STREET, YELLOW SPRINGS, OHIO. Metabolic control in reactions of nucleotide sugars (cattle, chick embryo).

RO1AM-11662-06 (MCHB) FLOSS, HIBINZ G, PURDUE UNIVERSITY, SCH PHARMACY & PHARM SCIENCES, LAFAYETTE, IND. Biosynthesis of ergot alkaloids (fungi).

RO1AM-11670-06 (SOYA) LYTTON, BERNARD, YALE UNIV SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Serum factor in compensatory renal growth (human, rats, monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AM-11674-08 (GMB) AVIOLI, LOUIS V, JEWISH HOSPITAL OF SAINT LOUIS, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Bone metabolism in chronic disorders.
- RO1AM-11674-08 0001 (GMB) AVIOLI, LOUIS V. Bone metabolism in chronic disorders—Studies in vitamin D3 metabolism (human, rats).
- RO1AM-11674-08 0002 (GMB) AVIOLI, LOUIS V. Bone metabolism in chronic disorders—Studies in Paget's disease (human).
- RO1AM-11674-08 0003 (GMB) AVIOLI, LOUIS V. Bone metabolism in chronic disorders—Studies with glucagon (dogs).
- RO1AM-11674-08 0004 (GMB) AVIOLI, LOUIS V. Bone metabolism in chronic disorders—Phosphate and bone (rats).
- RO1AM-11674-08 0006 (GMB) AVIOLI, LOUIS V. Bone metabolism in chronic disorders—Parathyroid responsiveness in experimental magnesium deficiency.
- RO1AM-11674-08 0007 (GMB) AVIOLI, LOUIS V. Bone metabolism in chronic disorders—Human intestinal calcium-binding proteins.
- RO1AM-11674-08 0008 (GMB) AVIOLI, LOUIS V. Bone metabolism in chronic disorders—Growth hormone and osteoporosis (human).
- RO1AM-11677-07 (BDCB) LEHRER, SHERWIN S, BOSTON BIOMEDICAL RES INST, 20 STANFORD STREET, BOSTON, MASS 02114. Skeletal and cardiac contractile protein interactions (rabbits).
- RO1AM-11685-07 (MCHB) FIELD, LAMAR, VANDERBILT UNIVERSITY, BOX 1507, STATION B, NASHVILLE, TENN. Biologically oriented organic sulfur chemistry.
- RO1AM-11693-07 (IAB) WEBER, WILFRIED T, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Lymphocyte functional capacities (chickens).
- RO1AM-11694-08 (MCHB) MARTELL, ARTHUR B, TEXAS A&M UNIVERSITY, DEPT OF CHEMISTRY, COLLEGE STATION, TEX. Reaction of metal chelate of vitamin B6.
- RO1AM-11702-06 (BDCB) MYERS, TERRELL C, UNIV OF ILLINOIS COLLEGE OF ME, 1853 W POLK STREET, CHICAGO, ILL. Phosphate reaction mechanisms of biochemical interest.
- RO1AM-11709-08 (END) WURTMAN, RICHARD J, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Sympathetic nervous system and neuroendocrine rhythms (rats).
- RO1AM-11727-07 (END) NICOLOFF, JOHN T, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Human thyroid hormone metabolism.
- RO1AM-11746-07 (MET) KREBS, HANS A, RADCLIFFE INFIRMARY, NUFFIELD DEPT OF MEDICINE, OXFORD, ENGLAND. Regulation of metabolic processes.
- RO1AM-11746-07 0001 (MET) KREBS, HANS A. Regulation of metabolic processes—Effects of amino acids on liver metabolism (rats).
- RO1AM-11748-07 0002 (MET) KREBS, HANS A. Regulation of metabolic processes—Effect of ethanol on liver metabolism (rats).
- RO1AM-11748-07 0003 (MET) KREBS, HANS A. Regulation of metabolic processes—Effects of adenosine on liver metabolism (rats).
- RO1AM-11748-07 0004 (MET) KREBS, HANS A. Regulation of metabolic processes—Regulation of pentose phosphata cycle (rats).
- RO1AM-11748-07 0005 (MET) KREBS, HANS A. Regulation of metabolic processes—Metabolism of mammary glands (rats).
- RO1AM-11748-07 0005 (MET) KREBS, HANS A. Regulation of metabolic processes—Acetyl-CoA synthetase and its metabolic role (rat, liver, heart, brain).
- RO1AM-11748-07 0007 (MET) KREBS, HANS A. Regulation of metabolic processes—Biochemical investigation in relation to transplant surgery.
- RO1AM-11754-07 (GMA) KIRDANI, RASHAD Y, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Metabolites and conjugates in bile and urine (human, animals).
- RO1AM-11766-06 (GMA) DAVIS, JOHN S, 4TH, UNIV OF VIRGINIA SCHOOL OF MED, DEPT OF INTERNAL MEDICINE, CHARLOTTESVILLE, VA. Immunological mechanisms in rheumatic diseases (rats, human, rabbits, mice).
- RO1AM-11789-07 (BIO) HEPPEL, LEON A, CORNELL UNIVERSITY, WING HALL, ITHACA, N Y. Active transport and membrane enzymes (bacteria).
- RO1AM-11793-07 (AMP) LEVINSKY, NORMAN G, BOSTON UNIVERSITY, 15 STOUGHTON STREET, BOSTON, MASS. Kidney and electrolyte metabolism.
- RO1AM-11798-07 0001 (AMP) LEVINSKY, NORMAN G. Kidney and electrolyte metabolism—Regulation of sodium excretion (dogs, rats).
- RO1AM-11793-07 0002 (AMP) ALEXANDER, EDWARD A. Kidney and electrolyte metabolism—Nephron function during hypoperfusion (rats).
- RO1AM-11793-07 0003 (AMP) LOWENSTEIN, LEAH M. Kidney and electrolyte metabolism—Effect of bile acids on renal function (human, rats).
- RO1AM-11793-07 0005 (AMP) LOWENSTEIN, LEAH M. Kidney and electrolyte metabolism—Aminociduria in the nephrotic syndrome (human, rabbits).
- RO1AM-11793-07 0007 (AMP) LEVINSKY, NORMAN G. Kidney and electrolyte metabolism—Sugar ingestion, calcium-stone formers (human).
- RO1AM-11794-06 (AMP) POTTS, JOHN T, JR, ENDOCRINE UNIT, MASSACHUSETTS GENERAL HOSP, BOSTON, MASS. Peptide hormones and mineral metabolism (human, swine, cattle, sheep, salmon).
- RO1AM-11796-07 (GEN) CLIVE, HARTWIG K, CORNELL UNIVERSITY MEDICAL COL, 1300 YORK AVENUE, NEW YORK, N Y. Biochemical and genetical studies on serum proteins (human).
- RO1AM-11799-07 (PC) WAJTE, B MOSLEY, BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF BIOCHEMISTRY, WINSTON-SALEM, N C. Metabolism of liver membrane phospholipids.
- RO1AM-11803-06 (ALY) WILSON, IVAN D, UNIVERSITY OF MINNESOTA, 412 UNION ST S E, MINNEAPOLIS, MINN. Immunoglobulins and the stomach, liver and intestines (rats).
- RO1AM-11821-06 (PC) CUNNINGHAM, LEON W, VANDERBILT UNIVERSITY, DEPT OF BIOCHEMISTRY, NASHVILLE, TENN. Glycoproteins of the intercellular matrix (human, rats, cattle).
- RO1AM-11835-06 (SGYB) BOMBECK, CHARLES T, UNIVERSITY OF ILLINOIS, 840 SOUTH WOOD STREET, CHICAGO, ILL. Physiology and treatment of gastroesophageal incompetence (human, dogs, cats).
- RO1AM-11852-07 (END) ROSNER, WILLIAM, ROOSEVELT HOSPITAL, 428 WEST 59TH STREET, NEW YORK, N Y. Estrogen binding in human serum (also rats).
- RO1AM-11854-07 (END) CARDELL, ROBERT R., JR, UNIV OF VIRGINIA SCH OF MED, DEPARTMENT OF ANATOMY, CHARLOTTESVILLE, VA. Subcellular effects of metabolic hormones (rats).
- RO1AM-11870-06 (GMA) WALKER, W GORDON, JOHNS HOPKINS SCHOOL OF MED, 725 N WOLFE ST, BALTIMORE, MD. Antibiotic levels in renal tissue and urine (human, dogs).
- RO1AM-11892-07 (MET) JARETT, LEONARD, BARNES HOSPITAL, BARNES HOSPITAL PLAZA, ST LOUIS, MO. Hormones cyclic AMP and fat cell metabolism.
- RO1AM-11907-07 (GMA) HARRIS, LAURAN D, 750 HARRISON AVENUE, BOSTON, MASS. Sphincter strength—its measurement and control (human, dogs).
- RO1AM-11908-07 (GMA) MENTON, DAVID N, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Effect of essential fatty acid deficiency on skin (mice, human).
- RO1AM-11913-07 (PC) SEMPTE, SAM, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Chemical and immunological studies on elastin (chickens, swine, WI-38).
- RO1AM-11919-06 (BDCB) YANNAS, IOANNIS V, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Connective tissue and its components (cattle, human).
- RO1AM-11923-07 (MBC) WILSON, DAVID B, CORNELL UNIVERSITY, WING HALL, ITHACA, N Y. Regulation of galactose metabolism (E coli, rabbits).
- RO1AM-11949-07 (ALY) WEISSMANN, GERALD, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Mechanisms of arthritis (human, rabbits).
- RO1AM-12024-07 (NTN) WILLIAMS, MARY A, UNIVERSITY OF CALIFORNIA, DEPT OF NUTRITIONAL SCIENCES, BERKELEY, CALIF. Essential fatty acid intake and fatty acid synthesis (rats).
- RO1AM-12027-07 (END) ABBLY, JAMES C, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Mechanisms regulating adrenocortical secretion (human, rats).
- RO1AM-12023-08 (MBY) CUREAN, PETER F, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Ion transport across epithelial membranes (frogs, toads, rabbits).
- R22AM-12030-03 (SSS) INTENGGAN, CARMEN, FOOD & NUTRITION RESEARCH CEN, NATIONAL SCIENCE DEVEL BOARD, MANILA, PHILIPPINES. Calorie and nutrient requirements of Filipinos.
- RO1AM-12034-07 (BIO) MUESTER, ALTON, CORNELL UNIVERSITY MEDICAL COL, 1300 YORK AVENUE, NEW YORK, N Y. Amino acid and protein metabolism (bacteria, mammals nonhuman).
- RO1AM-12049-08 (SSS) MASI, ALPONSE T, UNIVERSITY OF TENNESSEE, 858 MADISON AVENUE, MEMPHIS, TENN. Experimental program in rheumatoid arthritis (human).
- RO1AM-12064-08 (PTHA) CUPPAGE, FRANCIS E, UNIVERSITY OF KANSAS, 39TH AND RAINBOW BOULEVARD, KANSAS CITY, KANS. Regeneration and basic responses of the nephron (rabbits).
- R22AM-12095-06 (SSS) HUANG, PO-CHAO, I SEC 1, JENAI RD, TAIPEI, TAIWAN, REPUBLIC OF CHINA. Effect of heat and hard work on nitrogen requirement (human).
- RO1AM-12104-07 (PC) CHUNG, ALBERT E, UNIVERSITY OF PITTSBURGH, DEPT OF BIOCHEMISTRY, PITTSBURGH, PA. Regulation of coenzymes in biological systems (bacteria, rats, HeLa cells).
- R22AM-12105-05 (SSS) VITTEI, F E, ISTITUTO DE NUTRIZIONE, APARTADO 1188, GUATEMALA CITY, GUATEMALA. Gastrointestinal functions of PCM children (and hamsters).
- NO1AM-12119-07 (***) SCRIBNER, BILDING H, SEATTLE, WASHINGTON. Study of peripheral neuropathy (human).
- RO1AM-12121-07 (MBC) AMES, GIOVANNA F, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, BERKELEY, CALIF. Active transport of amino acids (bacteria).
- NO1AM-12125-04 (***) HRUBY, VICTOR J, TUCSON, ARIZONA. Synthesis of secretin, glucagon and selected analogs.
- RO1AM-12129-07 (GMA) EISEN, ARTHUR Z, WASHINGTON UNIV SCH OF MED, 4960 AUBURN AVENUE, ST LOUIS, MO. Collagenases and collagen remodeling.
- RO1AM-12129-07 0001 (GMA) EISEN, ARTHUR Z. Collagenases and collagen remodeling—Collagen degradation in human skin.
- RO1AM-12129-07 0003 (GMA) EISEN, ARTHUR Z. Collagenases and collagen remodeling—Collagenase and its relation to neoplasia (rats).
- RO1AM-12129-07 0003 (GMA) EISEN, ARTHUR Z. Collagenases and collagen remodeling—Regulation of collagenase (rats).
- RO1AM-12129-07 0004 (GMA) EISEN, ARTHUR Z. Collagenases and collagen remodeling—Human and animal collagenases (tadpoles, rats).
- RO1AM-12129-07 0005 (GMA) EISEN, ARTHUR Z. Collagenases and collagen remodeling—Uterine collagenase (rats).
- RO1AM-12129-07 0006 (GMA) EISEN, ARTHUR Z. Collagenases and collagen remodeling—Invertebrate collagenase (crustaceans).
- RO1AM-12152-07 (BIO) HOPPE, PATRICIA A, UNIVERSITY OF PITTSBURGH, DEPT OF MICROBIOLOGY, PITTSBURGH, PA. Function and mechanism of action of DR5P aldolase (bacteria, mammals).
- RO1AM-12156-07 (MCHA) CASPI, ELIAHU, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Stereospecificity labeled mevalonates.
- RO1AM-12172-07 (PC) NIS, WILLIAM R, DREXEL UNIVERSITY, 32ND & CHESTNUT STREETS, PHILADELPHIA, PA. Structure and metabolism of isopentenoids (plants, protozoa, yeasts, mammals).
- RO1AM-12180-06 (BIO) GOUNARIS, ANNE D, VASSAR COLLEGE, POUGHKEEPSIE, N Y. Pyruvate decarboxylase—Coenzyme effect on structure (yeast).
- RO1AM-12190-06 (IAB) TAN, ENG M, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT ST, LA JOLLA, CALIF. Nuclear antigens in systemic lupus erythematosus (human, rabbits).
- RO1AM-12201-08 (BIO) PENEPSKY, HARVEY S, PUBLIC HLTH RES INST OF N Y, 455 FIRST AVE, NEW YORK, N Y. Mitochondrial membrane and oxidative phosphorylation (cattle, yeasts).
- RO1AM-12245-07 (PC) UTTER, MERTON F, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Structure of biotin enzymes (cattle, birds, microorganisms).
- RO1AM-12274-07 (MEM) ZUCKER-FRANKLIN, DOROTHEA, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Ultrastructure of leukocytes and platelets (human).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- NO1AM-12279-04 (***) LYSAGHT, MICHAEL J, LEXINGTON, MASSACHUSETTS. Improved hollow fiber hemodialyzer (dogs).
- RO1AM-12302-07 (END) ARNAUD, CLAUDE D, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Parathyroid hormone and calcitonin (human, swine).
- RO1AM-12333-08 (SOYA) BALLINGER, WALTER F, WASHINGTON UNIV SCH OF MED, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Studies in gastrointestinal physiology (dogs, human).
- RO1AM-12381-07 (P7HB) RICHTER, GOETZ W, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Iron in cell pathology (rats).
- RO1AM-12386-08 (SSS) SALTMAN, PAUL D, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Studies on biological transport mechanisms (chickens).
- RO1AM-12395-08 (PC) SOPFER, RICHARD L, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Protein modification by mammalian enzyme systems (bacteria, rats, rabbits).
- RO1AM-12396-11 (CBV) KAYE, GORDON I, COLL OF PHYSICIANS & SURGEONS, 630 W 168TH STREET, NEW YORK, N Y. EM studies—Transport, secretion and absorption sites (human, rabbits).
- RO1AM-12401-08 (HBM) RIEDER, RONALD P, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Protein synthesis in erythroid precursors (human).
- RO1AM-12402-07 (PC) RUDNIBY, HARRY, UNIVERSITY OF CINCINNATI, EDEN AND BETHESDA AVENUES, CINCINNATI, OHIO. Regulation of enzymes in mevalonate synthesis (yeasts, human, rats).
- RO1AM-12413-07 (MET) WYNGAARDEN, JAMES B, DUKE UNIVERSITY, DURHAM, N C. Purine metabolism in gout (human, birds).
- RO1AM-12432-06 (NTN) HAMBIDGE, K MICHAEL, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Human chromium nutrition and deficiency.
- RO1AM-12433-07 (GMA) FUKUYAMA, KIMIE, UNIV OF CALIFORNIA, SAN FRANCISCO MED CENTER, SAN FRANCISCO, CALIF. Cytochemical studies of keratinization (human, rats, rabbits).
- RO1AM-12434-07 (PC) SWEBLEY, CHARLES C, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Chemistry and metabolism of sphingolipids (human, dogs).
- RO1AM-12436-06 (MCHA) THANASSI, JOHN W, UNIVERSITY OF VERMONT, DEPT OF BIOCHEMISTRY, BURLINGTON, VT. Chemistry of vitamin B6.
- RO1AM-12443-06 (GMB) GOLDSTEIN, LEON, BROWN UNIVERSITY, DIV OF BIOLOGICAL & MED SCIS, PROVIDENCE, R I. Renal ammonia metabolism during development (rats).
- RO1AM-12452-06 (END) WYNN, JAMES O, UNIV OF ARKANSAS MEDICAL CTR, 4301 W MARKHAM, LITTLE ROCK, ARK. Function and degradation of thyroxine (human, rats, primates).
- RO1AM-12458-07 (HBM) LUCAS, ZOLTAN J, STANFORD UNIVERSITY SCH OF MED, 300 PASTEUR DRIVE, STANFORD, CALIF. Regulatory control of lymphocyte differentiation (rats, rabbits).
- RO1AM-12466-10 (HBM) SCHWARTZ, SAMUEL, UNIVERSITY HOSPITALS, BOX 291, MINNEAPOLIS, MINN. Porphyrin hemo and bile pigment metabolism (human, hens).
- RO1AM-12473-06 (MCHA) RODANSZKY, MIKLOS, CASE WESTERN RESERVE UNIV, DEPT OF CHEMISTRY, CLEVELAND, OHIO. Synthetic peptide hormones.
- RO1AM-12479-07 (MET) DEBONS, ALBERT F, VETERANS ADMIN HOSPITAL, 800 POLY PLACE, BROOKLYN, N Y. Hypothalamic regulation of food intake (mice).
- RO1AM-12484-06 (GMA) WESER, ELLIOT, UNIV OF TEXAS MED SCHOOL, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Intestinal resection and mucosal carbohydrate metabolism (human, rats).
- RO1AM-12491-06 (GMB) WALKER, DONALD G, JOHNS HOPKINS UNIVERSITY, 709 N WOLFE STREET, BALTIMORE, MD. Osteopetrosis and isolated osteoclasts (rats, mice, rabbits).
- NO1AM-12503-04 (***) NYILAS, EMERY, EVERETT, MASSACHUSETTS. Development of avcothane cannulas (goats).
- RO1AM-12511-06 (MET) LIEBER, CHARLES S, VETERANS ADMINISTRATION HOSP, 130 WEST KINGSBRIDGE ROAD, BRONX, N Y. Biochemical and fine structural effects of ethanol (human, rats, baboons).
- RO1AM-12523-05 (MCHA) RODIG, OSCAR R, UNIVERSITY OF VIRGINIA, DEPT OF CHEMISTRY, CHARLOTTESVILLE, VA. Mechanism of hydrogenase and dehydrogenase action (bacteria).
- RO1AM-12532-07 (MET) WHELAN, WILLIAM J, UNIVERSITY OF MIAMI SCH OF MED, 1600 N W 10TH AVENUE, MIAMI, FLA. Liver glycogen (rats, rabbits).
- RO1AM-12579-05 (SSS) ROSENBERG, LEON E, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Tissue culture study of inborn metabolic errors (human).
- RO1AM-12583-06 (END) RENNELS, EDWARD G, UNIV OF TEXAS HEALTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Immunocytologic studies on pituitary gonadotrophins (rats).
- RO1AM-12597-06 (HBM) BOOKCHIN, ROBERT M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Studies of sickling mechanisms and minor hemoglobins (human).
- RO1AM-12598-06 (HBM) DE WITT, WILLIAM, WILLIAMS COLLEGE, DEPARTMENT OF BIOLOGY, WILLIAMSTOWN, MASS. Hemoglobin synthesis during amphibian metamorphosis.
- RO1AM-12599-06 (BIO) WOOD, JOHN M, UNIVERSITY OF ILLINOIS, SCHOOL OF CHEMICAL SCIENCES, URBANA, ILL. Chemical studies with free and bound vitamin B12 (bacteria).
- RO1AM-12604-06 (PC) KATZ, JOSEPH, CEDARS-SINAI MEDICAL CTR, 4751 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Glucose metabolism and hydrogen transport (rats, rabbits, birds).
- RO1AM-12606-11 (GMA) ADMIRAND, WILLIAM H, SAN FRANCISCO GENERAL HOSP, 1001 POTRERO AVENUE, SAN FRANCISCO, CALIF. Biochemical aspects of electrolyte transport (rats, rabbits, frogs, toads).
- RO1AM-12619-07 (PHY) KLEINZELLER, ARNOST, UNIVERSITY OF PENNSYLVANIA, DEPT OF PHYSIOLOGY, PHILADELPHIA, PA. Active sugar transport in renal cells (rats, rabbits).
- RO1AM-12626-06 (GMA) KERN, PRED, JR, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Bile salt malabsorption in man.
- RO1AM-12626-06 0001 (GMA) OSTROWER, VICTOR. Bile salt malabsorption in man—Effect of diet on fecal bile salt excretion.
- RO1AM-12626-06 0002 (GMA) OSTROWER, VICTOR. Bile salt malabsorption in man—Phenobarbital and Ioniol absorption of bile acid (rats).
- RO1AM-12626-06 0003 (GMA) WILLIAMS, ROBERT. Bile salt malabsorption in man—Bacteria and bile salts in the lumen (human).
- RO1AM-12626-06 0004 (GMA) DAVIS, ROGER A. Bile salt malabsorption in man—Rate of bile acid synthesis (rats).
- RO1AM-12653-06 (MBC) BRADBEER, CLIVE, UNIV OF VIRGINIA SCH OF MED, DEPARTMENT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Transport of vitamin B12 (microorganisms).
- RO1AM-12654-06 (BBCB) GOLL, DARREL E, IOWA STATE UNIVERSITY, MUSCLE BIOLOGY GROUP, AMES, IOWA. Myofibrillar proteins and muscle membranes (rabbits).
- RO1AM-12683-06 (BBCB) TANZER, MARVIN L, UNIV OF CONN HLTH CTR, FARMINGTON AVENUE, FARMINGTON, CONN. Structure, function and properties of collagen (cattle, chicks, clams, human).
- RO1AM-12705-07 (MET) BAY, PAUL D, UNIVERSITY OF NORTH DAKOTA, DEPARTMENT OF BIOCHEMISTRY, GRAND FORKS, N DAK. Hormone and diet control of gluconeogenesis (rabbits, rats).
- RO1AM-12706-05 (NTN) WIKOM, ROBERT L, UNIVERSITY OF MISSOURI, M 121, MEDICAL CENTER, COLUMBIA, MO. Histidine biosynthesis in animal development (human, mammals, chickens).
- RO1AM-12713-06 (PC) KIMURA, TOKUJI, WAYNE STATE UNIVERSITY, DETROIT, MICH. Studies on steroid hydroxylases (mammals, plants).
- RO1AM-12715-06 (PHY) ARMSTRONG, WILLIAM M, INDIANA UNIVERSITY MEDICAL CTR, 1100 W MICHIGAN STREET, INDIANAPOLIS, IND. Ion transport in small intestine (frogs).
- RO1AM-12718-04 (BBCB) HYMAN, EDWARD S, TOURO RESEARCH INSTITUTE, 1400 FOUCHER STREET, NEW ORLEANS, LA. Ionophore complexes of alkali cations in a lipid phase.
- RO1AM-12722-06 (GMA) HIGHTOWER, NICHOLAS C, SCOTT & WHITE MEMORIAL HOSP, 2401 SOUTH 31ST STREET, TEMPLE, TEXAS. Characterization of human isoamylases (also animals).
- RO1AM-12743-07 (BIO) HAAKE, PAUL C, WESLEYAN UNIVERSITY, DEPT OF CHEMISTRY, MIDDLETOWN, CONN. Models for metabolic processes.
- RO1AM-12763-05 (MET) FORSHAM, PETER H, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS, SAN FRANCISCO, CALIF. Insulin release in diabetes (human, cattle).
- RO1AM-12768-06 (PHY) PROSSER, C LADD, UNIVERSITY OF ILLINOIS, 524 BURLING HALL, URBANA, ILL. Intestinal motility—Myogenicity neural control (cats, guinea pigs, rabbits).
- RO1AM-12769-09 (SOYA) MALT, RONALD A, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Study of neoprectomy at birth and during growth (rats).
- RO1AM-12782-07 (SSS) KOSTYO, JACK L, EMORY UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, ATLANTA, GA. Anabolic actions of adenohipophysial hormones (rats).
- RO1AM-12788-23 (PC) NASON, ALVIN, MCCOLLUM-PRATT INST, THE JOHNS HOPKINS UNIV, BALTIMORE, MD. Enzymology of nitrate respiration and assimilation (plants, microorganisms).
- RO1AM-12789-06 (BIO) SIGMAN, DAVID S, UNIV OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Metal ion catalysis in enzymic reactions.
- RO1AM-12803-16 (BBCB) CARLSON, FRANCIS D, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Structural basis of cellular function (animals, microorganisms).
- RO1AM-12820-06 (MBC) KREDICH, NICHOLAS M, DUKE UNIVERSITY MEDICAL CENTER, BOX 3100, DURHAM, N C. Regulation of cysteine biosynthesis in *S typhimurium*.
- RO1AM-12829-06 (MET) PORTE, DANIEL, JR, VETERANS ADMINISTRATION HOSP, 4435 BEACON AVENUE SOUTH, SEATTLE, WASH. Regulation of insulin secretion (human, dogs).
- RO1AM-12842-06 (BIO) KREBS, EDWIN G, DEPT OF BIOLOGICAL CHEMISTRY, UNIV OF CALIF SCHOOL OF MED, DAVIS, CALIF. Regulatory enzymes of glycogen metabolism (rabbits, rats).
- RO1AM-12845-04 (END) SOUTHRIN, A LOUIS, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVENUE, NEW YORK, N Y. Studies in androgen metabolism (human, rats).
- RO1AM-12849-06 (ALY) MANNIK, MART, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MEDICINE, SEATTLE, WASH. Immunologic studies in rheumatoid arthritis (human, rabbits).
- RO1AM-12855-06 (MCHA) SPENCER, THOMAS A, DARTMOUTH COLLEGE, DEPARTMENT OF CHEMISTRY, HANOVER, N H. Mechanisms of C4 demethylation in steroid biogenesis (rats).
- RO1AM-12861-06 (END) FELLOWS, ROBERT E, JR, DUKE UNIV MED CENTER, DEPT OF PHYSIOLOGY & PHARM, DURHAM, N C. Structure and activity of growth hormone (shark, cattle).
- RO1AM-12865-06 (MET) KIM, KI-HAN, PURDUE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, LAFAYETTE, IND. Mode of insulin action and glycogen synthetase (tadpoles, rats).
- RO1AM-12872-06 (GMB) ARRAMSON, RUTH G, MOUNT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N Y. Micropuncture study of urate transport in kidney (rats).
- RO1AM-12881-06 (BBCA) NEET, KENNETH E, DEPARTMENT OF BIOCHEMISTRY, 2119 ABINGTON RD, CLEVELAND, OHIO. Interaction of subunits in enzymes (yeasts, rabbits).
- RO1AM-12893-06 (HBM) MONIG, GEORGE R, UNIVERSITY OF ILLINOIS, 840 SOUTH WOOD STREET, CHICAGO, ILL. Regulation of hemoglobin synthesis (human, rabbits).
- RO1AM-12904-06 (PHY) SPITZER, ADRIAN, ROSE F KENNEDY CENTER, 1410 PELHAM PARKWAY SOUTH, BRONX, N Y. Micropuncture study of the neonatal kidney (guinea pigs).
- RO1AM-12905-06 (SOYA) SOSIN, HENRY, UNIVERSITY OF MINNESOTA HOSP, DEPT OF SURGERY, MINNEAPOLIS, MINN. Gastric antral and fundic blood flow and secretion (dogs, rabbits).
- RO1AM-12913-06 (MBC) LJUNGDAHL, LARS G, UNIVERSITY OF GEORGIA, DEPARTMENT OF BIOCHEMISTRY, ATHENS, GA. Biochemistry of vitamin B12-factors (bacteria).
- RO1AM-12920-06 (ALY) EDGINGTON, THOMAS S, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Autoimmunity to erythrocyte membrane antigens (human, animals).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01AM-12921-06 (GMA) EISENBERG, M MICHAEL, MOUNT SINAI HOSPITAL, 2215 PARK AVENUE SOUTH, MINNEAPOLIS, MINN. Upper gastrointestinal studies in normal diabetic dogs.
- R01AM-12925-06 (MCHA) KATSOYANNIS, PANAYOTIS G, MOUNT SINAI SCHOOL OF MEDICINE, 10 EAST 102ND STREET, NEW YORK, N. Y. Synthetic insulins and analogs (human, mica, pigs).
- R01AM-12934-05 (GMA) BRUSHLOW, SAUL W, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Physiology of the secretion of sweat (human, cats, rats, primates).
- R01AM-12936-06 (HBM) FRIED, WALTER, UNIV OF ILLINOIS HOSPITAL, 840 S WOOD STREET, CHICAGO, ILL. Factors regulating hematopoiesis (mica).
- R01AM-12950-06 (PTHB) WINBORN, WILLIAM B, HEALTH SCIENCE CENTER, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Electron microscopic studies of parietal cells (rats).
- R01AM-12957-06 (GMB) NUNEZ, BLADIO A, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Parafollicular cell of the thyroid gland (bats, rats, dogs, chickens).
- R01AM-12960-05 (MET) RICHARDSON, KRITH B, OHIO STATE UNIVERSITY, 1645 NEX AVENUE, COLUMBUS, OHIO. Oxalic acid metabolism and primary hyperoxaluria (rats, human).
- R01AM-12974-05 (MET) FELD, JAMES B, PRESBYTERIAN-UNIVERSITY HOSP, 230 LOTHROP STREET, PITTSBURGH, PA. Factors involved in insulin homeostasis (dogs).
- R01AM-12985-06 (GMA) SOERBEL, KONRAD H, MILWAUKEE COUNTY GENERAL HOSP, 8700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Physiology and pathophysiology of the human intestine (also dogs).
- R01AM-13020-06 (PHRA) BERNDT, WILLIAM O, DARTMOUTH MEDICAL SCHOOL, DEPT OF PHARMACOLOGY & TOX, HANOVER, N. H. Drug and hormone effects on renal transport (human, rabbits, guinea pigs).
- R01AM-13023-06 (BACB) FINLAYSON, BIRDWELL, UNIVERSITY OF FLORIDA, DIVISION OF UROLOGY, GAINESVILLE, FLA. A physical approach to stone formation.
- R01AM-13048-06 (MET) FINKELSTEIN, JAMES D, VETERANS ADMIN HOSPITAL, 50 IRVING STREET, N. W, WASHINGTON, D. C. Sulfur amino acid metabolism in mammals (rats, human).
- R01AM-13055-06 (NTN) MATRONE, GENNAIRD, NORTH CAROLINA STATE UNIV, DEPT OF BIOCHEMISTRY, RALEIGH, NC. Copper proteins and Cu interactions in metabolism (rats, swine).
- R22AM-13066-06 (SSS) VALYASEVI, ARIE, RAMATHBODI HOSPITAL, DEPARTMENT OF PEDIATRICS, BANGKOK 4, THAILAND. Bladder stone disease in Thailand (human).
- R01AM-13069-06 (GMA) MC CARTY, DANIEL J, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Studies of crystal deposition diseases (human).
- P02AM-13083-06 (AMP) NAJARIAN, JOHN S, UNIVERSITY OF MINNESOTA, 412 UNION STREET SOUTHEAST, MINNEAPOLIS, MINN. Organ transplantation.
- P02AM-13083-06 0001 (AMP) SIMMONS, RICHARD L. Organ transplantation—Clinical studies of renal transplantation.
- P02AM-13083-06 0004 (AMP) SIMMONS, RICHARD L. Organ transplantation—Immunosuppression by anti-human lymphoblast globulin (human).
- P02AM-13083-06 0015 (AMP) KJELLSTRAND, CARL M. Organ transplantation—Development of arterio-venous shunts for pediatric hemodialyses (human).
- P02AM-13083-06 0051 (AMP) RIOS, . Organ transplantation—Immunosuppressive effects of macrophage lysis (mice).
- P02AM-13083-06 0059 (AMP) IDEZUKI, . Organ transplantation—Function after allotransplantation of pancreaticoduodenal graft (dogs).
- P02AM-13083-06 0060 (AMP) NAJARIAN, JOHN S. Organ transplantation—Experimental auxiliary liver allotransplantation (dogs).
- P02AM-13083-06 0072 (AMP) YUNIS, EDMOND. Organ transplantation—Studies in tissue typing and matching.
- P02AM-13083-06 0078 (AMP) YUNIS, EDMOND. Organ transplantation—Human antibodies cytotoxic for lymphocytes.
- P02AM-13083-06 0080 (AMP) MAUER, MICHAEL. Organ transplantation—Immunopathology (human, rats).
- P02AM-13083-06 0082 (AMP) ETHEREDGE, EDWARD E. Organ transplantation—Neuraminidase treated in mixed lymphocyte culture (mice).
- P02AM-13083-06 0100 (AMP) SHONS, ALAN R. Organ transplantation—Measurement of antibody activity (mammals, nonhuman).
- P02AM-13083-06 0101 (AMP) SIMMONS, RICHARD L. Organ transplantation—Small intestinal allotransplantation (dogs).
- P02AM-13083-06 0102 (AMP) DISTZMAN, RONALD. Organ transplantation—Organ preservation (dogs).
- P02AM-13083-06 0103 (AMP) KJELLSTRAND, CARL M. Organ transplantation—Clinical studies of complications in renal transplantation.
- P02AM-13083-06 0104 (AMP) LOPEZ, CARLOS. Organ transplantation—Clinical-virological correlations.
- P02AM-13083-06 0105 (AMP) SANTIAGO, EDUARDO. Organ transplantation—Sociopsychological study.
- P02AM-13083-06 0106 (AMP) SHONS, ALAN R. Organ transplantation—Immunologic studies of transplant patients.
- P02AM-13083-06 0107 (AMP) SHONS, ALAN R. Organ transplantation—Studies in mixed lymphocyte culture (human).
- P01AM-13084-10 (AMP) STICKEL, DELFORD L, DUKE UNIVERSITY, DUKE UNIV MED CEN, DURHAM, N. C. Clinical homotransplantation of tissues and organs.
- P01AM-13084-10 0001 (AMP) STICKEL, DELFORD L. Clinical homotransplantation of tissues and organs—Surgery and the program as a whole (human).
- P01AM-13084-10 0003 (AMP) AMOS, D. B. Clinical homotransplantation of tissues and organs—Study of immunology (human).
- P01AM-13084-10 0003 (AMP) FETTER, B. F. Clinical homotransplantation of tissues and organs—Pathology (human, dogs).
- P01AM-13084-10 0004 (AMP) WILSON, WILLIAM P. Clinical homotransplantation of tissues and organs—Study of psychiatry (human).
- P01AM-13084-10 0085 (AMP) GLENN, J. F. Clinical homotransplantation of tissues and organs—Investigation of urology.
- P01AM-13084-10 0006 (AMP) ROBINSON, R. R. Clinical homotransplantation of tissues and organs—Study of nephrology (human).
- P01AM-13084-10 0007 (AMP) KRUEGER, R. P. Clinical homotransplantation of tissues and organs—Pediatric nephrology (human).
- R01AM-13090-06 (NTN) HEGSTED, DAVID M, HARVARD SCH OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Iron in nutrition (rats, monkeys).
- R01AM-13091-06 (PC) SHEMMAN, DAVID, NORTHWESTERN UNIVERSITY, DEPT OF CHEMISTRY, EVANSTON, ILL. Porphyrins—Enzymatic mechanisms and control of synthesis (bacteria, cattle).
- R01AM-13097-07 (GMA) WHEELER, HENRY O, UNIV HOSPITAL OF SAN DIEGO, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Bile production (dogs, hamsters, rabbits, rats).
- R01AM-13105-07 (PC) JENSEN, ROY A, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Molecular basis for alternative allosteric patterns (blue green bacteria).
- R01AM-13113-06 (PHY) GIEBISCH, GERHARD H, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Electrolyte transport in single nephrons (rats).
- R01AM-13115-11 (PC) VELICK, SIDNEY F, UNIVERSITY OF UTAH, COLLEGE OF MEDICINE, SALT LAKE CITY, UTAH. Properties and metabolism of individual proteins (rabbits, yeasts).
- R01AM-13123-06 (PHRA) MUSACCHIO, JOSE M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Regulation of catecholamina biosynthesis (cats, rats).
- R01AM-13129-07 (MET) RUDMAN, DANIEL, EMORY UNIVERSITY SCH OF MED, DEPARTMENT OF MEDICINE, ATLANTA, GA. Pituitary adipoikinetin substances (mammals, human).
- R01AM-13131-07 (MET) WEBSTER, PAUL D, 3D, MEDICAL COLLEGE OF GEORGIA, DEPT OF MEDICINE, AUGUSTA, GA. Control of pancreatic protein synthesis and secretion (pigeons, rats).
- R01AM-13132-05 (PTHA) KARNOVSKY, MORRIS J, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Ultrastructural basis of glomerular permeability (rats, mice).
- R01AM-13140-14 (PC) BILLING, HANS C, UNIVERSITY OF UTAH, 3C-112 MEDICAL CENTER, SALT LAKE CITY, UTAH. Mechanisms and enzymes of terpene biosynthesis (fungi, bacteria, plants).
- R01AM-13143-06 (HBM) BOTTOMLEY, SYLVIA S, VETERANS ADMINISTRATION HOSP, 921 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Regulation of hemoglobin synthesis (human, guinea pigs).
- R01AM-13149-07 (END) GRILL, GORDON N, UNIV OF CALIFORNIA, SAN DIEGO, SCHOOL OF MEDICINE, LA JOLLA, CALIF. Hormonal regulation of control mechanisms (rats, chick).
- R01AM-13150-07 (PC) MENDICINO, JOSEPH F, UNIVERSITY OF GEORGIA, 622 GRADUATE STUDIES RES CTR, ATHENS, GA. Enzyme interactions in metabolic regulation (kidney-swine, rats).
- P01AM-13173-10 (AMP) KOLER, ROBERT D, UNIV OF OREGON MEDICAL SCHOOL, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Malignant and genetic alterations in human cells.
- P01AM-13173-10 0001 (AMP) KOLER, ROBERT D. Malignant and genetic alterations in human cells—Genetics (human, dogs).
- P01AM-13173-10 0002 (AMP) JONES, RICHARD T. Malignant and genetic alterations in human cells—Biochemistry of hemoglobins (human, dog, coyote, elephant, salamander, opossum).
- P01AM-13173-10 0003 (AMP) LITT, MICHAEL. Malignant and genetic alterations in human cells—Structure-function relationships in transfer RNA (sheep).
- P01AM-13173-10 0004 (AMP) BLACK, JOHN A. Malignant and genetic alterations in human cells—Physical and chemical characterization of pyruvate kinase (human, bovine).
- P01AM-13173-10 0006 (AMP) BUST, NEIL R. Malignant and genetic alterations in human cells—Urinary peptides (human, swine).
- P01AM-13173-10 0007 (AMP) RITTENBERG, MARVIN. Malignant and genetic alterations in human cells—Developmental differentiation among immunocompetent cells (sheep, cattle, human).
- P01AM-13178-10 0009 (AMP) BIGLEY, ROBERT D. Malignant and genetic alterations in human cells—Genetics (human).
- P01AM-13173-10 0010 (AMP) HECHT, FRED. Malignant and genetic alterations in human cells—Malignant and genetic alterations in human cells.
- R01AM-13182-06 (PHY) STIRLINO, CHARLES E, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Active transport in epithelia (frogs, rabbits).
- R01AM-13195-05 (TOX) CASTRO, JOSE A, INSTITUTO DE INVESTIGACIONES, TECNICAS DE LA FUERZAS, BUENOS AIRES, ARGENTINA. Carbon tetrachloride hepatotoxicity (rats, guinea pigs).
- R01AM-13198-06 (PC) PHILLIPS, ALLEN T, PENNSYLVANIA STATE UNIV, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY PARK, PA. Adenylate control of enzyme synthesis and function (bacteria).
- R01AM-13200-06 (UMB) HSU, KONRAD C, COLUMBIA UNIVERSITY, 630 W 168TH STREET, NEW YORK, N. Y. Characterization of autoimmune disease (mice).
- R01AM-13205-07 (GMA) GREIDER, MARIE H, 660 S EUCLID AVENUE, ST LOUIS, MO. Cellular localization of gastrin (human, swine, rats, dogs).
- R01AM-13211-06 (HBM) FISHER, JAMES W, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Kidney control of erythropoietin production (human, animals).
- R01AM-13212-06 (BIO) COOPERMAN, BARRY S, UNIVERSITY OF PENNSYLVANIA, CHEMISTRY DEPARTMENT, PHILADELPHIA, PA. Pyrophosphatase mechanism—Affinity labels (yeast, E. coli, rabbits, human).
- R01AM-13217-06 (END) GREENWOOD, FREDERICK C, BIOMEDICAL SCIENCES BUILDING, 1960 EAST WEST ROAD, HONOLULU, HAWAII. Secretion and metabolism of prolactin (sheep, rats).
- R01AM-13221-06 (GMA) MANIS, JAMES, HOSP FOR JOINT DIS & MED CTR, 1919 MADISON AVENUE, NEW YORK, N. Y. Iron metabolism and absorption (mice, rats).
- R01AM-13228-06 (SGYB) FISHER, BERNARD, UNIV OF PITTSBURGH SCH OF MED, 3550 TERRACE STR, PITTSBURGH, PA. Biological effects of auxiliary liver transplants (rats).
- R01AM-13230-06 (PC) STROMINGER, JACK L, HARVARD UNIVERSITY, BIOLOGICAL LABORATORIES, CAMBRIDGE, MASS. Biosynthesis of complex polysaccharides (bacteria, fungi, animals).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01AM-13233-06 (GMA) SAMLOFF, I MICHAEL, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Pepsinogen polymorphism in man.
- R01AM-13238-06 (PC) SARKAR, SATYAPRIYA, BOSTON BIOMED RESEARCH INST, 20 STANFORD ST, BOSTON, MASS. Protein synthesis in muscle (chick embryos).
- R01AM-13240-06 (PHY) JACKSON, MICHAEL J, GEORGE WASHINGTON UNIV MED CTR, 2300 EYE ST N W, WASHINGTON, D C. Intestinal transport of short-chain fatty acids (rats).
- R01AM-13248-06 (HEM) KRAUS, LORRAINE M, UNIVERSITY OF TENN MED UNITS, 800 MADISON AVENUE, MEMPHIS, TENN. Chemistry of sickle cell anemia variants (human).
- R01AM-13252-05 (NTN) ROGERS, QUINTON R, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGICAL SCIENCES, DAVIS, CALIF. Role of nutrition in regulation of food intake (rats).
- R01AM-13307-06 (GMA) HORTON, EDWARD S, MED CENTER HOSPITAL OF VERMONT, MARY FLETCHER UNIT, BURLINGTON, VT. Carbohydrate metabolism in uremia (human, rats).
- R01AM-13309-06 (GMA) LEVITT, MICHAEL D, U OF MINNESOTA HOSPITALS, BOX 346, 412 UNION ST S E, MINNEAPOLIS, MINN. Production and excretion of intestinal gas (human, rats, dogs).
- R01AM-13319-06 (MET) BISHOP, JONATHAN S, UNIV OF MINNESOTA HOSPITALS, BOX 504, MINNEAPOLIS, MINN. Insulin resistance and enzymes of glycogen metabolism (dogs, rats, human).
- R01AM-13321-06 (MET) SALANS, LESTER B, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. Metabolic and morphologic studies of obesity (human, rats).
- R01AM-13323-04 (NTN) ELWYN, DAVID H, MOUNT SINAI SCH OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Interorgan movement of amino acids (dogs, human).
- R01AM-13324-06 (NTN) HOLTEN, DAROLD D, UNIVERSITY OF CALIFORNIA, BIOCHEMISTRY DEPT, RIVERSIDE, CALIF. Nutritional-hormonal control of G-6-PD dehydrogenase (rats).
- R01AM-13325-04 (MET) MAYES, JARY S, UNIVERSITY OF OKLAHOMA, 800 NORTHEAST THIRTEENTH ST, OKLAHOMA CITY, OKLA. Regulation of galactose metabolism (human, chickens, dogs, cattle, E coli).
- R01AM-13328-04 (GMA) OCKNER, ROBERT K, UNIVERSITY OF CALIFORNIA, 3RD AVENUE & PARNASSUS STREET, SAN FRANCISCO, CALIF. Intestinal role in lipoprotein metabolism (rats, human).
- R01AM-13332-06 (PC) FRIEDEN, CARL, WASHINGTON UNIVERSITY, 660 EUCLID AVE, ST LOUIS, MO. Metabolic regulation and interacting enzyme systems (cattle, rats).
- R01AM-13336-06 (MBY) SCORNIK, OSCAR A, DARTMOUTH MEDICAL SCHOOL, DEPT OF BIOCHEMISTRY, HANOVER, N H. Regulation of protein synthesis in mammalian liver (mice).
- R01AM-13339-06 (MCHB) HALPERN, JACK, UNIVERSITY OF CHICAGO, 5735 SOUTH ELLIS AVENUE, CHICAGO, ILL. Metal complexes related to vitamin B12.
- R01AM-13351-07 (BBCB) MILDVAN, ALBERT S, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. NMR studies of enzyme-metal-substrate interactions.
- R01AM-13359-06 (MET) HUIJING, FRANCISCUS, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE AVENUE, MIAMI, FLA. Molecular basis genetics of glycogen storage disease (human).
- R01AM-13361-07 (END) KORITZ, SEYMOUR B, MT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE AND 100TH STREET, NEW YORK, N Y. Adrenal metabolism possibly related to ACTH action (rats).
- R01AM-13362-06 (BBCA) BRADSHAW, RALPH A, WASHINGTON UNIV SCH OF MED, 660 S EUCLID AVENUE, ST LOUIS, MO. Structure and function of dehydrogenases (swine, fish, decapods, E coli).
- R01AM-13376-06 (BBCB) JUNG, CHAN Y, VETERANS ADMINISTRATION HOSP, 3495 BAILEY AVENUE, BUFFALO, N Y. Identification and isolation of sugar transport carrier (humans, swine, rabbits).
- R01AM-13377-07 (END) DE GROOT, LESLIE J, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Biosynthesis of thyroid hormones (human, mice, guinea pigs).
- P01AM-13385-06 (SSS) SHWACHMAN, HARRY, CHILDRENS HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Cystic fibrosis.
- P01AM-13385-06 0001 (SSS) GRAND, RICHARD. Cystic fibrosis-Development of secretory capacity in exocrine glands (rats).
- P01AM-13385-06 0002 (SSS) ARAKI, M. Cystic fibrosis-Sodium transport and intestinal membrane permeability (human).
- P01AM-13385-06 0002 (SSS) KOPITO, LOUIS. Cystic fibrosis-Female conception control (human).
- P01AM-13385-06 0004 (SSS) ANTONOWICZ, IRENA. Cystic fibrosis-Lysosomal enzymes in cultured lymphoid cells (human).
- P01AM-13385-06 0005 (SSS) LEBENTHAL, E. Cystic fibrosis-Intestinal enzyme activities (human).
- R01AM-13389-06 (ALY) ATASSI, M ZOUHAIR, DEPT OF CHEMISTRY, WAYNE STATE UNIVERSITY, DETROIT, MICH. Immunochemical studies on human hemoglobins (whales).
- R01AM-13390-07 (PC) HSU, ROBERT Y, 766 IRVINE AVENUE, SYRACUSE, N Y. Mechanism of fatty acid synthesis in animals (chickens, pigeons).
- R01AM-13393-06 (PTHA) DI LUZIO, NICHOLAS R, TULANE UNIVERSITY SCH OF MED, 1430 TULANE AVENUE, NEW ORLEANS, LA. Mechanism and prevention of ethanol-induced cell injury (dogs, rats).
- R01AM-13407-06 (PC) BOTHFIELD, LAWRENCE I, UNIV OF CONNECTICUT HLTH CTR, DEPT OF MICROBIOL, BLDG 4, FARMINGTON, CONN. Glycosyltransferases.
- R01AM-13412-14 (PC) LINKER, ALFRED, VETERANS ADMIN HOSPITAL, FOOTHILL BOULEVARD, SALT LAKE CITY, UTAH. Structure and function of mucopolysaccharides (human, mice, cattle, bacteria).
- R01AM-13415-06 (PHY) GINSBURG, JACK M, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA. Biological transport of ions (dogs).
- R01AM-13428-06 (GEN) MERRITT, A DONALD, INDIANA UNIV MEDICAL CENTER, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Carrier detection and selection in cystic fibrosis (human, shrimp).
- P02AM-13430-05 (AMP) JAFFE, ERNST R, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Research and heredity clinic.
- P02AM-13430-05 0001 (AMP) JAFFE, ERNST R. Research and heredity clinic-Hemolytic anemias (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P02AM-13430-05 0006 (AMP) EDER, H. Research and heredity clinic-Inheritable jaundice (human).
- P02AM-13430-05 0008 (AMP) ARIAS, IRWIN M. Research and heredity clinic-Dubin-Johnson syndrome patients and families.
- P02AM-13430-05 0009 (AMP) NAGEL, RONALD L. Research and heredity clinic-Functional properties of HB Hiroshima and HB Leiden hemoglobins.
- P02AM-13430-05 0010 (AMP) KAPLAN, BARRY H. Research and heredity clinic-Porphyrin.
- P02AM-13430-05 0011 (AMP) DEMING, QUENTIN B. Research and heredity clinic-Hypertension (human).
- P02AM-13430-05 0012 (AMP) MUGGIA, FRANCO M. Research and heredity clinic-Human cancer.
- R01AM-13431-09 (HEM) BURKA, EDWARD R, CARDEZA FDN-HEMATOLOGIC RES, 1015 SANSOM STREET, PHILADELPHIA, PA. Mechanisms in hemoglobin synthesis and destruction (human, dogs).
- R01AM-13436-10 (GMA) HOLT, PETER R, ST LUKE'S HOSPITAL CENTER, 114 STREET & AMSTERDAM AVENUE, NEW YORK, N Y. Intestinal absorption and metabolism of fats (human, rats).
- R01AM-13441-06 (MET) ARQUILLA, EDWARD R, UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY, IRVINE, CALIF. Immunology conformation and activity of insulin (mice, guinea pigs).
- R01AM-13443-06 (MBC) HERSH, LOUIS B, UNIV OF TEXAS SW MEDICAL SCHOO, 5323 HARRY HINES BLVD, DALLAS, TEX. Enzymes of methylamine metabolism (bacteria, rats).
- R01AM-13448-06 (PC) HAMILTON, GORDON A, PENNSYLVANIA STATE UNIVERSITY, 152 DAVEY BUILDING, UNIVERSITY PARK, PA. Mechanistic study of some O2 oxidoreductases.
- R01AM-13455-05 (GMA) ELLIS, RICHARD A, BROWN UNIVERSITY - BOX G, DIVISION OF BIO MED SCIENCES, PROVIDENCE, R I. Sweat gland defect in pancreatic fibrosis (human, reptiles, birds).
- R01AM-13463-05 (BM) SMITH, CHARLES B, UNIVERSITY OF UTAH, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. The infectious etiology of rheumatoid arthritis (human).
- R01AM-13468-05 (GMA) PREDY, JOHN R, EMORY UNIVERSITY, 69 BUTLER STREET, S E, ATLANTA, GA. Intestinal estrogen metabolism in cirrhosis (dogs, human).
- R01AM-13476-05 (PHY) GRANTHAM, JARED J, UNIV OF KANSAS MED CEN, 39TH AND RAINBOW, KANSAS CITY, KANS. Mechanisms of transport in isolated kidney tubules (human, rabbits).
- R01AM-13484-05 (PHY) BIBER, THOMAS U, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Solute water transport across membranes (frogs).
- R01AM-13488-06 (MBC) SWITZER, ROBERT L, UNIVERSITY OF ILLINOIS, 318 EAST CHEMISTRY BLDG, URBANA, ILL. Regulation and mechanism of PRPP synthetase (bacteria).
- R01AM-13490-04 (PC) BAHL, OM P, STATE UNIVERSITY OF NEW YORK, 3435 MAIN ST, CAPEN HALL G-8, BUFFALO, N Y. Chemistry of submaxillary mucin in cystic fibrosis (human).
- R01AM-13492-05 (MBC) KINYON, CHRISTINE N, UNIVERSITY OF CALIFORNIA, DEPT OF BACT & IMMUNOLOGY, BERKELEY, CALIF. Regulatory mutants in lipid metabolism (algae, bacteria).
- R01AM-13495-05 (PTHA) SHEA, STEPHEN M, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N J. Glomerular pathology after partial nephrectomy (rats).
- R01AM-13499-06 (MET) JEFFERSON, LEONARD S, JR, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Regulation of liver growth and function (rats).
- R01AM-13502-06 (BIO) FREY, PERRY A, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Enzyme catalysis of electron and group transfer (bacteria).
- R01AM-13515-05 (ALY) NILSSON, ULF R, UNIVERSITY OF PENNSYLVANIA, 36TH AND HAMILTON WALK, PHILADELPHIA, PA. Structure and function of human C5.
- R01AM-13518-12 (MET) BAKER, LESTER, CHILDRENS HOSP OF PHILADELPHIA, 1740 BAMBRIDGE STREET, PHILADELPHIA, PA. Unexplained hypoglycemia in children.
- R01AM-13523-05 (GMB) WUTHIER, ROY E, UNIV OF VERMONT, MEDICAL ALUMNI BLDG-A-121, BURLINGTON, VT. Calcification of bone and cartilage (chickens).
- R01AM-13524-06 (GMB) STERN, JAY H, OHIO STATE UNIVERSITY, 410 W TENTH AVENUE, COLUMBUS, OHIO. Proximal tubular transport in edematous states (dogs, monkeys, rats).
- R01AM-13526-05 (MET) PRLG, PHILIP, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Amino acids and hormones in gluconeogenesis and obesity (human).
- R01AM-13527-04 (MET) REICHARD, GEORGE A, JR, LANCKENAU HOSPITAL, LANCASTER & CITY LINE AVES, PHILADELPHIA, PA. Metabolic substrate utilization in man.
- R01AM-13531-05 (END) LITWACK, GERALD, TEMPLE UNIV SCHOOL OF MEDICINE, 3420 N BROAD STREET, PHILADELPHIA, PA. Metabolism of cortisol in liver (rats).
- R01AM-13532-05 (HEM) FREEDMAN, MICHAEL L, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Control of polyribosomes in human reticulocytes.
- R01AM-13535-06 (PTHA) BOCKMAN, DALE E, MEDICAL COLLEGE OF OHIO, 945 S DETROIT AVE, BOX 6190, TOLEDO, OHIO. Cytology of central lymphoid tissue (human, chickens, rabbits, mice).
- R01AM-13544-04 (SGYA) WOODWARD, EDWARD R, UNIVERSITY OF FLORIDA, DEPARTMENT OF SURGERY, GAINESVILLE, FLA. Physiology and pathology of lower esophageal sphincter (human, dogs).
- R01AM-13557-04 (NTN) SUNDARESAN, P RAMNATHAN, RESEARCH INSTITUTE, ST JOSEPH HOSPITAL, LANCASTER, PA. Metabolism of retinol and retinoic acid (rats).
- R01AM-13562-05 (MET) LOCKWOOD, DEAN H, JOHNS HOPKINS UNIVERSITY, 720 RUTLAND AVENUE, BALTIMORE, MD. Site and nature of insulin receptors in fat cells (rats, human).
- R01AM-13567-05 (END) WALTER, ROBERT W, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVE, NEW YORK, N Y. Biofunctional conformation of peptide hormones (cattle).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AM-13572-05 (ALY) WEST, CLARK D, CHILDREN'S HOSP RESEARCH FDM, ELAND & BETHSDA AVENUES, CINCINNATI, OHIO. A serum C3 inactivator in nephritis (human).
- RO1AM-13587-04 (GMB) ONTJES, DAVID A, UNIVERSITY OF NORTH CAROLINA, DEPT OF MEDICINE, CHAPEL HILL, N C. Structure activity of human thymocalcitolin.
- RO1AM-13601-08 (GMB) KATZ, ADRIAN I, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Na-K-ATPase and renal tubular transport of sodium (rats, dogs).
- RO1AM-13605-04 (END) NICOLL, CHARLES S, UNIVERSITY OF CALIFORNIA, 2549 LIFE SCIENCE BUILDING, BERKELEY, CALIF. Control of prolactin secretion (rats, hamsters, guinea pigs).
- RO1AM-13609-06 (HEM) BOYER, JOHN T, UNIVERSITY OF ARIZONA, ARIZONA MEDICAL CENTER, TUCSON, ARIZ. Immunologic reactions of cell surfaces (human, rabbits).
- RO1AM-13613-06 (MET) WALSH, DONALD A, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Hormonally-mediated hepatic protein phosphorylation (also heart).
- RO1AM-13620-06 (MBY) REDMAN, COLVIN M, NEW YORK BLOOD CENTER, 310 EAST 67TH STREET, NEW YORK, N Y. Biosynthesis of liver proteins by ribosomes (rats).
- RO1AM-13622-06 (GMA) SEEGMILLER, JARVIS E, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF MEDICINE, LA JOLLA, CALIF. Arthritis—Inherited metabolic and nutritional causes.
- RO1AM-13659-04 (PHY) EDELMAN, ISIDORE S, UNIVERSITY OF CALIFORNIA, CARDIOVASCULAR RESEARCH INST, SAN FRANCISCO, CALIF. Transapithelial sodium transport (food).
- RO1AM-13660-04 (SSS) PITOT, HENRY C, UNIVERSITY OF WISCONSIN, 750 UNIVERSITY AVENUE, MADISON, WIS. Pathology of biomedical disorders in vitro.
- RO1AM-13660-04 0001 (SSS) PITOT, HENRY C. Pathology of biomedical disorders in vitro—Cystic fibrosis (human).
- RO1AM-13660-04 0002 (SSS) PITOT, HENRY C. Pathology of biomedical disorders in vitro—Purine analog resistance in hyperuricemia and leukemia patients.
- RO1AM-13682-15 (HEM) SCHRIER, STANLEY L, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, STANFORD, CALIF. Metabolism of erythrocyte stroma (human, mice).
- RO1AM-13686-06 (BBCA) FEEENEY, ROBERT E, UNIVERSITY OF CALIFORNIA, DEPT OF FOOD SCI & TECH, DAVIS, CALIF. Inhibitors of proteolytic enzymes (plants, human, animals).
- RO1AM-13687-18 (BBCB) DAVIES, ROBERT E, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Energy source for contraction of muscle (frogs).
- RO1AM-13690-06 (MB) WILLIAMS, RALPH C, JR, UNIV OF NEW MEXICO, DEPARTMENT OF MEDICINE, ALBUQUERQUE, N M. Autoantibodies and immunoglobulins (human, primates, rabbits).
- RO1AM-13696-06 (GMB) KIMBERG, DANIEL V, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Hormones and calcium absorption.
- RO1AM-13696-06 0007 (GMB) KIMBERG, DANIEL V. Hormones and calcium absorption—Duodenal calcium transport.
- RO1AM-13696-06 0008 (GMB) KIMBERG, DANIEL V. Hormones and calcium absorption—Estrogen administration and duodenal calcium transport.
- RO1AM-13696-06 0009 (GMB) KIMBERG, DANIEL V. Hormones and calcium absorption—Effects of vitamin D on calcium influx into intestinal mucosa cells.
- RO1AM-13696-06 0010 (GMB) KIMBERG, DANIEL V. Hormones and calcium absorption—Kidney cyclic AMP levels in regulating 1,25-dihydroxycholecalciferol.
- RO1AM-13701-06 (MB) SISKIND, GREGORY W, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N Y. Antibody affinity in immune response and tolerance (rabbits, guinea pigs).
- RO1AM-13709-06 (PC) HANSEN, ROGER G, UTAH STATE UNIVERSITY, OFFICE OF THE PROVOST, LOGAN, UTAH. Structure and function of pyrophosphorylases (human, cattle, rabbits).
- RO1AM-13710-08 (END) HORTON, RICHARD, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVE, LOS ANGELES, CALIF. Metabolism and control of testosterone in man.
- RO1AM-13711-05 (GMA) MC GUIGAN, JAMES E, UNIVERSITY OF FLORIDA, DEPT OF MEDICINE, GAINESVILLE, FLA. Immunology and diseases of the gastrointestinal tract (human, dog, rat, rabbits).
- RO1AM-13717-06 (ALY) KAPLAN, MANUEL E, VETERANS ADMINISTRATION HOSP, 54TH ST AND 48TH AVE SO, MINNEAPOLIS, MINN. Structure and activity of isohemagglutinins (human, rabbits, guinea pigs).
- RO1AM-13721-05 (ALY) KOPFLER, DAVID, MOUNT SINAI SCHOOL OF MEDICINE, DEPARTMENT OF PATHOLOGY, NEW YORK, N Y. Renal injury in systemic lupus erythematosus (human).
- RO1AM-13724-05 (PC) TCHEN, TCHE-TSING, WAYNE STATE UNIV, 435 CHEMISTRY BLDG, DETROIT, MICH. Conversion of cholesterol to pregnenolone (cattle).
- RO1AM-13725-06 (GMA) DOBBINS, WILLIAM O, 3D, GEORGE WASHINGTON UNIVERSITY, 901 23RD STREET, N W, WASHINGTON, D C. Morphology of absorption and malabsorption (human).
- RO1AM-13743-05 (BBCB) SCHERAGA, HAROLD A, CORNELL UNIVERSITY, DEPT OF CHEMISTRY, ITHACA, N Y. Motion and proximity relations in polypeptides.
- RO1AM-13745-06 (GMB) KEMP, NORMAN E, UNIVERSITY OF MICHIGAN, DEPARTMENT OF ZOOLOGY, ANN ARBOR, MICH. Differentiation of mineralized tissues in vertebrates (fish, frogs).
- RO1AM-13748-06 (MBY) PRESSLER, JOHN M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOLOGY, LOS ANGELES, CALIF. Molecular development of collagen fibers (chicks, mice, hamsters).
- RO1AM-13757-17 (GMA) COMBES, BURTON, UNIV OF TEXAS SW MED SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Hepatic excretory function (rats, guinea pigs).
- RO1AM-13774-05 (MET) MARTIN, DONALD B, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Glucose-insulin interactions with cell membranes (rats).
- RO1AM-13776-04 (END) SAMLL, MARCQUETA H, DEPT OF BIOCHEMISTRY & NUTRIT, VA POLYTECHNIC INST & ST UNIV, BLACKSBURG, VA. Anterior pituitary hormone biosynthesis (rats, sheep).
- RO1AM-13789-05 (IMB) MESSNER, RONALD P, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE 5TH FLOOR, ALBUQUERQUE, N MEX. Lymphocyte antigen receptors in collagen disease (human, guinea pigs).
- RO1AM-13791-05 (MBC) HOGG, ROBERT W, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. L-arabinose transport component in E coli.
- RO1AM-13794-04 (END) HEDGE, GEORGE A, UNIVERSITY OF ARIZONA, DEPT OF PHYSIOLOGY, TUCSON, ARIZ. Neuroendocrine mechanisms regulating ACTH secretion (rats).
- RO1AM-13812-05 (SGYB) BRIGHTON, CARL T, UNIVERSITY OF PENNSYLVANIA, 3600 SPRUCE STREET, PHILADELPHIA, PA. Stimulation of extremity growth by electrical fields (rabbits).
- RO1AM-13820-05 (END) SAYERS, GEORGE, CASE WESTER RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Isolated adenohypophysial cells (rats).
- RO1AM-13824-05 (IMB) WILLIAMS, RALPH C, JR, UNIVERSITY OF NEW MEXICO, 5TH FLOOR BCMC, ALBUQUERQUE, N MEX. Interactions of cellular and humoral immunity.
- RO1AM-13824-05 0001 (IMB) WILLIAMS, RALPH C, JR. Interactions of cellular and humoral immunity—Peripheral lymphocytes in connective tissue disease (human, monkeys, rabbits).
- RO1AM-13824-05 0002 (IMB) WILLIAMS, RALPH C, JR. Interactions of cellular and humoral immunity—Occurrence of human antibodies to gamma E.
- RO1AM-13824-05 0002 (IMB) WILLIAMS, RALPH C, JR. Interactions of cellular and humoral immunity—Opsonins and phagocytosis (rabbits, humans).
- RO1AM-13844-05 (PHY) BOULPAEP, EMILE L, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Functional structure of renal tubule (dogs, necturus).
- RO1AM-13845-05 (GMB) TISHER, C CRAIG, DUKE UNIVERSITY, BOX 3014, DURHAM, N C. Water and electrolyte movement in renal tubules (rats, frogs).
- RO1AM-13854-11 (APY) MURRAY, M PATRICIA, VETERANS ADMINISTRATION CTR, KINESIOLOGY RESEARCH LAB, WOOD, WIS. Kinematic studies of normal and abnormal locomotion (human).
- RO1AM-13855-05 (HEM) ALPER, CHESTER A, BLOOD GROUPING LABORATORY, 320 LONGWOOD AVENUE, BOSTON, MASS. Investigations of human complement.
- RO1AM-13857-04 (GMA) ADMIRAND, WILLIAM H, GASTROENTEROLOGY UNIT, SAN FRANCISCO GENERAL HOSPITAL, SAN FRANCISCO, CALIF. Lithocholate and human liver disease (monkeys).
- RO1AM-13859-04 (GMB) LUKE, ROBERT G, UNIVERSITY OF KENTUCKY, DEPARTMENT OF MEDICINE, LEXINGTON, KY. Renal chloride excretion (dogs, rats).
- RO1AM-13866-05 (PTHA) FOSTER, DANIEL W, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Basement membrane derangements in diabetes mellitus (human).
- RO1AM-13869-05 (NTN) LIENER, IRVIN E, UNIVERSITY OF MINNESOTA, DEPARTMENT OF BIOCHEMISTRY, ST PAUL, MINN. Nutritional studies on plant anti-proteinases (legumes, rats, chicks).
- RO1AM-13888-05 (PHY) BRENNER, BARRY M, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Control of fluid absorption by the mammalian nephron (rats, rabbits).
- RO1AM-13892-05 (IMB) WEGMANN, THOMAS G, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Development of gamma globulin-producing cells (mice).
- RO1AM-13894-05 (BIO) MAGASANK, BORIS, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Synthesis of histidine degrading enzymes (bacteria, bacteriophage).
- RO1AM-13897-05 (NTN) DALLMAN, PETER R, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, SAN FRANCISCO, CALIF. Cellular adaptations to malnutrition (rats).
- RO1AM-13900-05 (MET) SEGAL, STANTON, CHILDREN'S HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Metabolic basis of cystine storage disease (human).
- RO1AM-13904-05 (MET) BUTCHER, RICHARD W, UNIV OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Control of cyclic AMP levels (rodents, protozoa, fungi, human).
- RO1AM-13912-04 (BBCA) ANDERSON, SONIA R, OREGON STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYSICS, CORVALLIS, OREG. Fluorescence studies of enzyme structure and function (elasmobranch).
- RO1AM-13914-05 (END) STERNIER, DONALD F, UNIVERSITY OF CHICAGO, 947 EAST 58TH STREET, CHICAGO, ILL. Proinsulin studies (human, animals).
- RO1AM-13916-04 (END) MALOOF, FARAH, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Pharmacology and biochemistry of the thyroid (human).
- RO1AM-13921-14 (GMA) VEIS, ARTHUR, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Structure and organization of collagen fibers.
- RO1AM-13921-14 0001 (GMA) BROWNELL, A. Structure and organization of collagen fibers—Synthesis and assembly of intracellular procollagen.
- RO1AM-13921-14 0002 (GMA) ANBESEY, J. Structure and organization of collagen fibers—In vivo conversion of procollagen to collagen (rats).
- RO1AM-13921-14 0003 (GMA) VEIS, ARTHUR. Structure and organization of collagen fibers—Comparative chemistry of soluble and insoluble collagens.
- RO1AM-13921-14 0004 (GMA) YUAN, L. Structure and organization of collagen fibers—Structure and assembly of collagen fibers.
- RO1AM-13921-14 0005 (GMA) PASTERNAK, S. Structure and organization of collagen fibers—Interaction of collagen with acidic proteins and proteoglycans (cattle).
- RO1AM-13921-14 0006 (GMA) DESHMUKH, K. Structure and organization of collagen fibers—Biochemical changes in connective tissue diseases of bone and cartilage.
- RO1AM-13925-05 (GMA) SIMKIN, PETER A, UNIV OF WASHINGTON, DIV OF RHEUMATOLOGY, SEATTLE, WASH. Uric acid transport (human, mammals nonhuman, reptiles, amphibians).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01AM-13927-05 (GMA) OLSEN, WARD A, VETERANS ADMINISTRATION HOSP, 2500 OVERLOOK TERRACE, MADISON, WIS. Intestinal mucosal function in diabetes (human, rats).	R01AM-14180-05 (GMB) FALK, JOHN L, RUTGERS UNIVERSITY, 88 COLLEGE AVE, NEW BRUNSWICK, N J. Behavioral determinants of water-electrolyte status (rats).
R01AM-13929-04 (GMA) MC GUINRE, JOSEPH S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Normal and psoriatic epidermal cell division (human, rats).	R01AM-14184-05 (NTN) GANTHER, HOWARD E, UNIVERSITY OF WISCONSIN, 1270 LINDEN DRIVE, MADISON, WIS. Organoselenium compounds—Biosynthesis and function (rats).
R01AM-13935-05 (SSS) DRAPANAS, THEODORE, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Organ transplantation (dogs, pigs, monkeys, rabbits, rats).	R01AM-14218-05 (IAB) JONASSON, OLGA, UNIV OF ILLINOIS HOSP, RM 503, P O BOX 6998, CHICAGO, ILL. Donor selection in clinical organ transplantation (human).
R01AM-13939-04 (MET) DAVIS, BLDRED J, INDIANA UNIV SCHOOL OF MED, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Regulatory mechanisms in energy metabolism (rodents, cattle, plants).	R01AM-14225-04 (GMB) TANNIEN, RICHARD L, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Hydrogen ion regulation by the mammalian nephron (human, dogs).
R01AM-13940-04 (MET) DI GIROLAMO, MARIO, EMORY UNIVERSITY, 69 BUTLER STREET, S E, ATLANTA, GA. Adipose tissue cellularity and functions (rats, rabbits, guinea pigs, human).	R01AM-14228-05 (MET) WURTMAN, RICHARD J, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Control of aromatic amine acid utilization in mammals (rodents, human).
R01AM-13941-05 (MET) RUBENSTEIN, ARTHUR H, BOX 435, 950 EAST 59TH STREET, CHICAGO, ILL. Proinsulin secretion and biological activity (human).	R01AM-14241-04 (PHY) MAAACK, THOMAS M, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK CITY, N Y. Renal handling of proteins—Renin release (rats).
R01AM-13945-05 (HEM) INGRAM, VERNON M, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Differentiation and immunology of erythropoiesis (chick embryo).	R01AM-14248-03 (MET) MURRELL, LEONARD R, UNIV OF TENNESSEE MED UNITS, 800 MADISON AVE, MEMPHIS, TENN. Pancreatic islet cells—Long term culture (rats).
R01AM-13953-04 (PHY) LEBEVRE, MARIAN E, BROOKHAVEN NATIONAL LAB, MEDICAL RESEARCH CEN, UPTON, N Y. Correlation of ion transport with metabolism (turtles).	R01AM-14251-04 (GMB) BRONNER, FRIED, DEPT OF ORAL BIOLOGY, UNIV OF CONNECTICUT HLTH CTR, FARMINGTON, CONN. Mineral metabolism in postmenopausal osteoporosis (rats).
R01AM-13967-04 (BIO) OLSON, MERLE S, ARIZONA MEDICAL CTR, DEPARTMENT OF BIOCHEMISTRY, TUCSON, ARIZ. Regulation of energy metabolism in liver (rats).	R01AM-14264-05 (PHY) DUNN, MICHAEL J, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Cation transport in erythrocytes and the kidney (rats).
R01AM-13969-04 (ALY) CUDKOWICZ, GUSTAVO, S U N Y - AT BUFFALO, 204 CAPEN HALL, BUFFALO, N Y. Factors controlling graft-host interactions (mice).	R01AM-14272-05 (MBY) COLEMAN, JAMES R, UNIV OF ROCHESTER MED CTR, DEPT OF RAD BIO & BIOPHYS, ROCHESTER, N Y. Electron probe investigation of cell calcium (chick embryo).
R01AM-13970-13 (PTHB) ROSS, RUSSELL, UNIVERSITY OF WASHINGTON, DEPT OF PATHOLOGY, SEATTLE, WASH. Wound repair and inflammation (human, rabbits, guinea pigs).	R01AM-14273-05 (ALY) JOHNSON, ARTHUR O, UNIVERSITY OF MICHIGAN, 6744 MEDICAL SCIENCE II, ANN ARBOR, MICH. Regulatory mechanisms in immunobiology (mice).
R01AM-13981-05 (HEM) SACHS, JOHN R, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Physiological aspects of membrane cation transport (human, goats).	R01AM-14283-05 (END) LARSEN, P REED, UNIVERSITY OF PITTSBURGH, 930 SCAIFE HALL, PITTSBURGH, PA. Physiological role of thyroxine binding proteins (human, rats).
R01AM-13983-05 (HEM) KAZAZIAN, HAIG H, JR, JOHNS HOPKINS HOSP, DEPT OF PEDIATRICS, BALTIMORE, MO. Genetic control of hemoglobin synthesis, (mice, rabbits).	R01AM-14307-05 (PC) HIRS, CHRISTOPHE H, INDIANA UNIVERSITY, DIV OF BIOLOGICAL SCIENCES, BLOOMINGTON, IND. Structure and function of pancreatic enzymes (cattle, pigs).
R01AM-13988-05 (NTN) BATES, MARGARET W, UNIVERSITY OF PITTSBURGH, 3811 O'HARA STREET, PITTSBURGH, PA. Control of fatty acid metabolism in the intact animals (rats).	R01AM-14314-05 (END) HOLLANDER, CHARLES S, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Physiological significance of triiodothyronine (human, rats, primates).
R01AM-14018-05 (CBY) BERNIK, MARIA B, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Fibrinolytic events in human tissues and cells in culture.	R01AM-14315-06 (BIO) PRESILL, WILHELM R, COLL OF MED & DENT OF N J, 100 BERGEN STREET, NEWARK, N J. Enzymology and metabolism of 1-C and S compounds (rats, bacteria).
R01AM-14038-05 (GMA) ALPERS, DAVID H, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Intestinal protein metabolism and function (human, rats).	R01AM-14317-05 (BBCB) REEDY, MICHAEL K, DUKE UNIV MEDICAL CENTER, DEPARTMENT OF ANATOMY, DURHAM, N C. Myofibrillar fine structure in striated muscle (insects).
R01AM-14039-06 (END) UTIGER, ROBERT D, UNIV OF PENNSYLVANIA MED SCH, DEPARTMENT OF MEDICINE, PHILADELPHIA, PA. Thyroid stimulating hormones in plasma (human).	R01AM-14334-06 (MET) LARNER, JOSEPH, UNIV OF VIRGINIA SCHOOL OF MED, DEPARTMENT OF PHARMACOLOGY, CHARLOTTESVILLE, VA. Chemical mechanism of action of insulin (human, rats, rabbits).
R01AM-14040-06 (END) ULICK, STANLEY, VETERANS ADMIN HOSPITAL, 130 W KINGSBRIDGE RD, BROOK, N Y. Disorders of steroid hormone biosynthesis (human, rats).	R01AM-14338-06 (MBC) BROQUIST, HARRY P, VANDERBILT UNIV SCH OF MED, DEPT OF BIOCHEMISTRY, NASHVILLE, TENN. Lysine metabolism in fungi.
R01AM-14042-06 (BCA) ALLINGER, NORMAN L, UNIVERSITY OF GEORGIA, DEPT OF CHEMISTRY, ATHENS, GA. Conformational analysis in the steroids.	R01AM-14340-05 (MET) ASHMORE, JAMES, INDIANA UNIV SCHOOL OF MED, 1100 W MICHIGAN, INDIANAPOLIS, IND. Experimental diabetes (rats).
R01AM-14047-06 (SOYB) MADDEN, JOHN W, UNIVERSITY OF ARIZONA, DEPARTMENT OF SURGERY, TUCSON, ARIZ. Biological control of scar tissue (rats, dogs).	R01AM-14341-06 (MCHB) ENDICOTT, JOHN P, DEPT OF CHEMISTRY, WAYNE STATE UNIV, DETROIT, MICH. Reaction mechanisms of cyclic tetramine complexes.
R01AM-14039-13 (MET) AYVAZIAN, JOHN H, NEW YORK VETERANS ADM HOSP, FIRST AVENUE AT EAST 24TH STR, NEW YORK, N Y. Pathways of purine metabolism (human).	R01AM-14343-05 (MCHB) WOODWARD, ROBERT B, HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. The role of porphyrin cations in metabolic processes.
R01AM-14063-03 (SOYA) BINKERIKO, WILLIAM P, UNIVERSITY OF FLORIDA, DIVISION OF ORTHOPAEDICS, GAINESVILLE, FLA. Quantitation of bone transplant repair (dogs, human).	R01AM-14344-05 (MCHB) FELTON, RONALD H, GEORGIA INSTITUTE OF TECH, SCHOOL OF CHEMISTRY, ATLANTA, GA. Role of porphyrin cations in metabolic processes.
R01AM-14070-04 (MET) ALLEN, DONALD O, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Role of adrenocorticoids in lipolysis (rats, human).	R01AM-14347-06 (END) HAYNES, ROBERT C, JR, UNIVERSITY OF VIRGINIA, DEPARTMENT OF PHARMACOLOGY, CHARLOTTESVILLE, VA. Control of gluconeogenesis by adrenal hormones (rats).
R01AM-14106-04 (MED) MINTZ, DANIEL H, UNIV OF MIAMI SCHOOL OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Growth hormone secretion rates (human, monkeys).	R01AM-14340-05 (GMA) RUBIN, WALTER, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. A fine structural study of human gastric epithelia.
R01AM-14120-05 (BBCB) BEAR, RICHARD S, UNIVERSITY OF NORTH CAROLINA, 111 SWING BUILDING, CHAPEL HILL, N C. Molecular structure of connective tissue fibers (rats, fish, marsupials).	R01AM-14352-06 (SSS) BOGOS, DANE R, UNIV OF PITTSBURGH SCH OF MED, TERRACE & DESOTO STREETS, PITTSBURGH, PA. Kinetics and control of neutrophilic granulocytes (human, mice).
R01AM-14121-05 (GMA) KARASEK, MARVIN A, STANFORD UNIVERSITY, DEPARTMENT OF DERMATOLOGY, STANFORD, CALIF. Metabolic control of epidermal cell growth (human, rabbits).	R01AM-14362-04 (MET) KIBLEY, WILLIAM M, DUKE UNIVERSITY MEDICAL CENTER, BOX 3211, DURHAM, N C. Regulation of purine metabolism in human cells.
R01AM-14132-05 (END) SAPPAN, MURRAY, MEDICAL COLL OF OHIO, P O BOX 6190, TOLEDO, OHIO. Adrenocortical function and membrane potential (rats, rabbits).	R01AM-14388-05 (CBY) JAHN, THEODORE L, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVE, LOS ANGELES, CALIF. Ciliary action related to cystic fibrosis (human).
R01AM-14133-05 (MBC) SHAPIRO, STANLEY K, UNIV OF ILLINOIS, BOX 4348, CHICAGO, ILL. Regulation of the metabolism of S-adenosylmethionine (microorganisms).	R01AM-14401-04 (GMB) BOWMAN, ROGER H, S U N Y - UPSTATE MEDICAL CTR, 750 E ADAMS STREET, SYRACUSE, N Y. Metabolism and function of the perfused rat kidney.
R01AM-14134-03 (MET) MENNENAR, JOHN H, PURDUE UNIVERSITY, SCHOOL OF PHARMACY, LAFAYETTE, IND. Mechanisms of drug-induced diabetes (mice, rats).	R01AM-14411-05 (PTHA) SHIMAMURA, TETSUO, COLL OF MED & DENTISTRY OF N J, POST OFFICE BOX 101, PISCATAWAY, N J. Pathology of experimental renal medullary lesions (mice, rats).
R01AM-14145-05 (PHRA) QUEBBEMANN, ALOYSIUS J, UNIVERSITY OF MINNESOTA, DEPARTMENT OF PHARMACOLOGY, MINNEAPOLIS, MINN. Pharmacology of renal tubular excretory transport (chicken).	R01AM-14415-03 (PC) GILL, GORDON N, UNIV OF CALIFORNIA, SAN DIEGO, SCHOOL OF MEDICINE, LA JOLLA, CALIF. Intracellular function of cyclic 3'5' AMP (bovine tissues).
R01AM-14157-05 (BIO) DEAMPREY, WALTER B, VETERANS ADMINISTRATION HOSP, 4500 SOUTH LANCASTER ROAD, DALLAS, TEX. Biosynthesis and regulation of pyridoxal 5-phosphate (bacteria).	R01AM-14423-04 (GMB) WRIGHT, FRED S, DEPT OF PHYSIOLOGY, YALE UNIV SCH OF MED, NEW HAVEN, CONN. Cellular mechanisms of renal potassium excretion (rats, amphibia).
R01AM-14160-05 (MCHA) IRELAND, ROBERT E, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Preparation of fusidic acid and modified steroids.	R01AM-14439-05 (PC) ROSENBLUM, JOEL, PHILADELPHIA GENERAL HOSPITAL, GENERAL CLINICAL RESEARCH CTR, PHILADELPHIA, PA. Biochemical steps and control of collagen synthesis (chick embryo).
R01AM-14165-04 (NTN) BLIJOT, JOHN M, CORNELL UNIVERSITY, 262 MORRISON HALL, ITHACA, N Y. Synthesis and absorption of vitamin B12 (sheep, cattle).	R01AM-14450-04 (BIO) BISENBERG, MAX A, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Mechanism of biotin biosynthesis (bacteria).
	R01AM-14461-05 (GEN) COLEMAN, BOUGLAS L, THE JACKSON LABORATORY, BAR HARBOR, MAINE. Hereditary diabetes in the mouse.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AM-14470-05 (HBM) KRIVIT, WILLIAM, UNIVERSITY OF MINNESOTA, DEPT OF PEDIATRICS, BOX 284, MINNEAPOLIS, MINN. Red cell studies (human, animals).
- RO1AM-14485-03 (PHY) KUSHMERICK, MARTIN J, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Work and muscle energetics (frogs).
- RO1AM-14486-04 (SGYB) JOHNSTON, RICHARD C, UNIVERSITY HOSPITAL, ORTHOPAEDIC SURGERY, IOWA CITY, IOWA. Biomechanics of hip disease (human).
- RO1AM-14490-04 (GMA) BARNETT, HENRY L, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Cyclophosphamide in nephrotic syndrome of childhood.
- RO1AM-14496-03 (GMB) ZULL, JAMES E, CASE WESTERN RESERVE UNIV, 10900 EUCLID AVENUE, CLEVELAND, OHIO. Interaction of parathyroid hormone with bio-membranes (rats).
- RO1AM-14507-05 (MET) LANDAU, BERNARD R, UNIVERSITY HOSPITALS, DEPARTMENT OF MEDICINE, CLEVELAND, OHIO. Carbohydrate and lipid metabolizing pathways (monkeys, human).
- RO1AM-14508-05 (NTN) CORWIN, LAURENCE M, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Biological role of vitamin E in cell culture (HeLa cells, hamsters, rabbits).
- RO1AM-14515-04 (TOX) KLAASSEN, CURTIS D, UNIVERSITY OF KANSAS, DEPT OF PHARMACOLOGY, KANSAS CITY, KANS. Biliary excretion in neonatal toxicology (rats).
- RO1AM-14523-04 (GMA) GRAND, RICHARD J, CHILDREN'S HOSP MED CEN, 300 LONGWOOD AVENUE, BOSTON, MASS. Development and control of synthesis and secretion (human, rats, rabbits).
- RO1AM-14526-05 (SSS) KIFALIDES, NICHOLAS A, PHILADELPHIA GENERAL HOSPITAL, 700 CIVIC CENTER BOULEVARD, PHILADELPHIA, PA. Biochemistry of connective tissue.
- RO1AM-14526-05 0001 (SSS) PROKOP, DARWIN J. Biochemistry of connective tissue—Collagen biosynthesis and pathway regulation (human, vertebrates, invertebrates).
- RO1AM-14526-05 0002 (SSS) PROKOP, DARWIN J. Biochemistry of connective tissue—Structure of basement membranes (human, dogs, rats, sheep).
- RO1AM-14526-05 0004 (SSS) PROKOP, DARWIN J. Biochemistry of connective tissue—Inflammation by microcrystals in synovial spaces (human, dogs).
- RO1AM-14528-05 (GEN) COX, RODY P, NEW YORK UNIV MEDICAL CTR, 550 FIRST AVENUE, NEW YORK, N. Y. Inborn errors of metabolism in cell culture (human).
- RO1AM-14531-04 (NTN) KOLDOVSKY, OTAKAR, CHILDREN'S HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Metabolism of the developing small intestine (rats).
- RO1AM-14543-04 (GMA) OSTROW, J DONALD, UNIVERSITY OF PENNSYLVANIA, 503 JOHNSON PAVILION, PHILADELPHIA, PA. Alternate pathways of bilirubin metabolism (human, rats).
- RO1AM-14545-05 (GMA) MATHEWS-ROTH, MICHELINE M, BOSTON CITY HOSPITAL, 774 ALBANY STREET, BOSTON, MASS. Carotenoid therapy of photosensitive porphyria (human).
- RO1AM-14548-05 (MBY) DEVLIN, THOMAS M, HAHNEMAN MED COLL AND HOSP, 235 N 15TH STREET, PHILADELPHIA, PA. Biogenesis of mitochondria during renal hypertrophy (rats).
- RO1AM-14553-04 (END) RAWITCH, ALLEN B, KENT STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, KENT, OHIO. The role of thyroglobulin in thyroxine biosynthesis.
- RO1AM-14563-04 (SGYB) BROOKS, FRANK P, UNIVERSITY OF PENNSYLVANIA, 3600 SPRUCE STREET, PHILADELPHIA, PA. Vagal release of gastrin (cats, rhesus monkeys).
- RO1AM-14570-04 (GMB) HADDAD, JOHN O, JR, JEWISH HOSPITAL, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Vitamin D3 synthesis and metabolism in man (rats).
- RO1AM-14571-04 (OMB) BIRGE, STANLEY J, JEWISH HOSPITAL, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Enzymatic mediation of intestinal calcium transport (dogs, rats).
- RO1AM-14574-05 (BIO) LANE, M DANIEL, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE ST, BALTIMORE, MD. Apocarbonylase activation by d-biotin (human, chickens, cattle, E coli).
- RO1AM-14575-05 (BIO) LANE, M DANIEL, JOHNS HOPKINS UNIV, DEPT OF PHYSIOLOGICAL CHEM, BALTIMORE, MARYLAND. Phosphoenolpyruvate carboxylases.
- RO1AM-14589-04 (BBCA) CHEUNO, HERBERT C, UNIVERSITY OF ALABAMA, 1919 7TH AVENUE SOUTH, BIRMINGHAM, ALA. Muscle contraction and macromolecular conformation.
- RO1AM-14600-02 (APY) FORBES, GILBERT B, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Total body potassium in diabetes mellitus (human).
- RO1AM-14610-04 (OMB) CARONE, FRANK A, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Transport of macromolecules across cells and membranes (rabbits, rats).
- RO1AM-14614-03 (PC) SCHILLER, SARA, NEW YORK MED COLLEGE, FIFTH AVENUE AND 106TH STREET, NEW YORK, N. Y. Biochemistry of acid mucopolysaccharides (rats).
- RO1AM-14622-05 (PTHA) LANGE, CHARLES F, LOYOLA UNIV STRITCH SCH OF MED, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL. Urinary screening assay to supplement renal biopsy (human).
- RO1AM-14625-04 (END) BRODIE, HARRY J, WORCESTER FDM FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Estrogen biosynthesis and related enzyme reactions (human).
- RO1AM-14627-04 (ALY) CHRISTIAN, CHARLES L, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70TH STREET, NEW YORK, N. Y. Immunological studies of chronic arthritis (human).
- RO1AM-14632-11 (MBY) FLEISCHER, SIDNEY, VANDERBILT UNIVERSITY, DEPT OF MOLECULAR BIOLOGY, NASHVILLE, TENN. Membranes and organelles—Structure and function (human, rats).
- RO1AM-14638-04 (BIO) GRACY, ROBERT W, NORTH TEXAS STATE UNIVERSITY, DEPT OF CHEMISTRY, DENTON, TEX. Structure and function of aldose-ketose isomerases (human, Euglena).
- RO1AM-14644-03 (OMB) ROBERTSON, DOUGLAS R, UPSTATE MEDICAL CENTER, 766 IRVING AVENUE, SYRACUSE, N. Y. Endocrine mechanisms of the ultimobranchial body (frogs).
- RO1AM-14648-04 (MET) FAIN, JOHN N, DIV BIOL MED SCI, BROWN UNIV, PROVIDENCE, R. I. Oral anti-diabetic drugs and cellular metabolism (rats).
- RO1AM-14650-04 (ALY) KAGEN, LAWRENCE J, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70 STREET, NEW YORK, N. Y. Immunological studies of myoglobin (human).
- RO1AM-14659-03 (SGYB) FLATT, ADRIAN E, UNIVERSITY HOSPITALS, DEPT OF ORTHOPEDICS, IOWA CITY, IOWA. Influence of wrist pathomechanics on hand function (human).
- RO1AM-14663-04 (MBC) KRULWICH, TERRY A, MT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N. Y. Inducible enzymes and sugar transport in *Arthro bacter*.
- RO1AM-14668-04 (GMA) SWELL, LEON, VETERANS ADMINISTRATION HOSP, 1201 BROAD ROCK ROAD, RICHMOND, VA. Mechanism of gallstone formation in man.
- RO1AM-14669-04 (GMA) BINDER, HENRY J, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Intestinal electrolyte transport in disease (human, rabbits, guinea pigs, rats).
- RO1AM-14676-10 (EDC) FELDMAN, ROBERT, 280 WEST MAC ARTHUR BOULEVARD, OAKLAND, CALIF. Oral hypoglycemic agents in asymptomatic diabetes (human).
- RO1AM-14677-04 (PHY) KOKKO, JUHA P, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Transport properties of isolated perfused nephrons (rabbits).
- RO1AM-14678-04 (PTHA) FEDORKO, MARTHA E, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N. Y. Iron storage and mobilization in the macrophage series (mice, human).
- RO1AM-14681-04 (SOYA) ROBERTS, JAMES A, DELTA REGIONAL PRIMATE RES CTR, THREE RIVERS ROAD, COVINGTON, LA. The role of the ureter in experimental pyelonephritis (monkeys).
- RO1AM-14686-04 (GMA) KRAWITT, EDWARD L, DEPT OF MED, UNIV OF VERMONT, BURLINGTON, VT. Intestinal calcium transport (human, rats).
- RO1AM-14693-04 (PTHB) LAVKER, ROBERT M, BOSTON UNIVERSITY SCH OF MED, 80 EAST CONCORD STREET, BOSTON, MASS. Membrane bound granules of the epidermis (rats, chickens, frogs).
- RO1AM-14696-03 (SGYB) BELZER, FOLKERT O, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Organ preservation (dogs).
- RO1AM-14700-04 (ALY) BERNIER, GEORGE M, JR, UNIVERSITY HOSPITALS, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Metabolism of low-molecular weight proteins (human, rats, rabbits).
- RO1AM-14702-04 (MET) DAVIDSON, MAYER B, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICINE, LOS ANGELES, CALIF. Mechanism of insulin antagonism.
- RO1AM-14702-04 0001 (MET) DAVIDSON, MAYER B. Mechanism of insulin antagonism—Obesity (human).
- RO1AM-14702-04 0002 (MET) DAVIDSON, MAYER B. Mechanism of insulin antagonism—Infection (rats).
- RO1AM-14702-04 0008 (MET) DAVIDSON, MAYER B. Mechanism of insulin antagonism—Uremia (human).
- RO1AM-14702-04 0004 (MET) DAVIDSON, MAYER B. Mechanism of insulin antagonism—Growth hormone and the glucose fatty acid cycle (rats).
- RO1AM-14704-04 (NTN) SWICK, ROBERT W, UNIVERSITY OF WISCONSIN, DEPT OF NUTRITIONAL SCIENCES, MADISON, WIS. Protein turnover in protein and calorie deprivation (rats, swine).
- RO1AM-14706-03 (PC) FAUSTO, NELSON, BROWN UNIVERSITY, DIV OF BIOLOGICAL & MED SCI, PROVIDENCE, R. I. Polyamines and RNA synthesis during liver regeneration (rats).
- RO1AM-14713-04 (END) CONKLIN, PETER M, VIRGINIA COMMONWEALTH UNIVERSITY, 1200 E BROAD STREET, RICHMOND, VA. Maturation of CNS-pituitary-thyroid function (rats).
- RO1AM-14715-04 (GMA) LE ROY, E CARWILE, COLUMBIA UNIV COLL OF P & S, 630 WEST 168 STREET, NEW YORK, N. Y. Scleroderma—Systemic sclerosis (human).
- RO1AM-14717-04 (GMB) TALMAGE, ROY V, UNIVERSITY OF NORTH CAROLINA, 327 SWING BLDG, CHAPEL HILL, N. C. Relationship of thyrocalcitonin to bone phosphate (rats, mice).
- RO1AM-14723-04 (PC) SCHLENDER, KEITH K, MEDICAL COLLEGE OF OHIO, POST OFFICE BOX 6190, TOLEDO, OHIO. Regulation of renal glycogen synthase system (rabbits, cattle, rats).
- RO1AM-14728-03 (PC) ELZINGA, MARSHALL, BOSTON BIOMEDICAL RES INST, 20 STAMFORD STREET, BOSTON, MASS. Structure-function studies on actin and myosin (rabbits, cattle).
- RO1AM-14729-04 (PC) BENISEK, WILLIAM F, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, DAVIS, CALIF. Mechanism of katosteroid isomerase-catalyzed reaction (bacteria).
- RO1AM-14737-04 (SGYB) BARMADA, RIAD, DEPT OF ORTHOPEDIC SURGERY, 840 SOUTH WOOD STREET, CHICAGO, ILL. Influence of low modulus elasticity implant on healing (goat).
- RO1AM-14742-04 (CBY) BROWLEY, STEPHEN C, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF ZOOLOGY, EAST LANSING, MICH. Growth regulation in regeneration (newts).
- RO1AM-14750-03 (GMB) NORMAN, ANTHONY W, DEPARTMENT OF BIOCHEMISTRY, UNIV OF CALIFORNIA RIVERSIDE, RIVERSIDE, CALIF. Vitamin D metabolism in humans (also chickens, rats, dogs).
- RO1AM-14752-04 (PHY) HERSEY, STEPHEN J, EMORY UNIVERSITY, DEPT OF PHYSIOLOGY, ATLANTA, GA. Intracellular reactions in gastric mucosa (bullfrogs).
- RO1AM-14755-04 (MET) BEUTLER, ERNEST, CITY OF HOPE NATL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Diagnosis and therapy of Gauchers disease (human, rats, rabbits).
- RO1AM-14762-04 (NTN) LEWIS, BERTHA A, CORNELL UNIVERSITY, COLLEGE OF HUMAN ECOLOGY, ITHACA, N. Y. Role of protein structure in amino acid availability (plants, rats).
- RO1AM-14768-02 (PHRA) JOHNSON, HOWARD L, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Chemical inhibitors of histidine decarboxylase (rats).
- RO1AM-14770-04 (GEN) GANSCHOW, ROGER E, CHILDREN'S HOSPITAL, ELAND & BETHESDA AVENUES, CINCINNATI, OHIO. Genetic control of mammalian enzyme expression (mice).

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(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
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- RO1AM-14776-03 (CBY) GREASER, MARION L. MUSCLE BIOLOGY LAB, 1805 LINDEN DRIVE, MADISON, WIS. Disassembly of the I-21 bands of striated myofibrils (rabbits).
- RO1AM-14780-04 (GMA) HARRIS, EDWARD D. JR. DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF MEDICINE, HANOVER, N. H. Mechanisms of connective tissue destruction in man (rabbits, rats).
- RO1AM-14781-04 (GMA) DAVIDSON, WARREN D. HARBOR GENERAL HOSPITAL, DEPARTMENT OF MEDICINE, TORRANCE, CALIF. Gastrin action, synthesis and secretion (human, dogs, rats, frogs, swine).
- RO1AM-14784-03 (GMA) O'REILLY, SEAN, GEORGE WASHINGTON UNIV CLINIC, 2150 PENNSYLVANIA AVENUE, N. W. WASHINGTON, D. C. Physiology of copper and zinc in Wilson's disease (human).
- RO1AM-14787-04 (GMB) PORTE, LEONARD R. UNIVERSITY OF MISSOURI, M-523 MED SCIENCES BLDG, COLUMBIA, MO. Molecular pharmacology of renal plasma membranes (human, dogs, rats, swine).
- RO1AM-14395-05 (PTHB) KEFALIDES, NICHOLAS A. PHILADELPHIA GENERAL HOSP, 34TH ST AND CIVIC CENTER BLVD, PHILADELPHIA, PA. Chemistry and metabolism of basement membranes (rats, mice, human).
- RO1AM-14884-04 (MET) TOURIAN, ARA Y, DUKE UNIVERSITY, BOX 3066, DURHAM, N. C. Phenylalanine hydroxylase, PKU detection (rodents, human).
- RO1AM-14837-04 (PC) KIMMEL, JOE R. UNIV OF KANSAS MED CTR, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. Studies of a peptide from pancreas (human, chickens).
- RO1AM-14373-05 (PHRA) ANDREOLI, THOMAS E. UNIV OF ALABAMA SCHOOL OF MED, UNIVERSITY STATION, BIRMINGHAM, ALA. Transport processes in lipid membranes and renal tubules (rabbits, sheep).
- RO1AM-14376-05 (EDC) JACKSON, CHARLES E. HENRY FORD HOSPITAL, 2799 WEST GRAND BOULEVARD, DETROIT, MICH. Genetic studies in the Michigan, Indiana, Ohio area.
- PO1AM-14377-14 (AMP) EDELMANN, CHESTER M. JR. ALBERT EINSTEIN COLLEGE OF MED, 1410 PELHAM PARKWAY SOUTH, BRONX, N. Y. Kidney function in infants and children.
- PO1AM-14877-14 0011 (AMP) NASH, MARTIN A. Kidney function in infants and children—Influence of birth on maturation of renal function (sheep).
- PO1AM-14377-14 0012 (AMP) ARANT, BILLY S. Kidney function in infants and children—Developmental pattern of PAH transport in the canine kidney.
- PO1AM-14877-14 0013 (AMP) NASH, MARTIN A. Kidney function in infants and children—Renal glucosa transport in the neonatal kidney (dogs).
- PO1AM-14377-14 0014 (AMP) SPITZER, ADRIAN. Kidney function in infants and children—Vascular and tubular structures of kidney (rats, dogs, guinea pigs).
- PO1AM-14377-14 0015 (AMP) BERNSTEIN, JAY. Kidney function in infants and children—Morphometric ultrastructural analysis of renal tubular maturation (animals).
- PO1AM-14377-14 0016 (AMP) BLAFOX, M. DONALD. Kidney function in infants and children—Kidney blood flow and renin secretion in neonatal animals (dogs).
- PO1AM-14377-14 0017 (AMP) EDELMAN, CHESTER M. JR. Kidney function in infants and children—Response of the developing kidney to renal parenchymal loss (dogs, rats).
- PO1AM-14877-14 0018 (AMP) EDELMAN, CHESTER, M. JR. Kidney function in infants and children—Kidney and pathogenesis of metabolic acidosis (dogs, sheep).
- PO1AM-14377-14 0019 (AMP) EDELMAN, CHESTER M. JR. Kidney function in infants and children—Neonatal kidney in renal allotransplantation (dogs).
- PO1AM-14377-14 0020 (AMP) SPITZER, ADRIAN. Kidney function in infants and children—Clinical and experimental investigation of lead poisoning and the kidney (human).
- PO1AM-14377-14 0021 (AMP) SPITZER, ADRIAN. Kidney function in infants and children—Obstructive uropathy (sheep, human).
- PO1AM-14377-14 0022 (AMP) SPITZER, ADRIAN. Kidney function in infants and children—Factors influencing the response to diuretic therapy (human).
- PO1AM-14377-14 0023 (AMP) NASH, MARTIN A. Kidney function in infants and children—Nature of acidifying defect in renal tubular acidosis (dogs).
- PO1AM-14377-14 0024 (AMP) GREIFER, IRA. Kidney function in infants and children—Steroid therapy in minimal change nephrotic syndrome (human).
- PO1AM-14377-14 0025 (AMP) GREIFER, IRA. Kidney function in infants and children—Cyclophosphamide therapy for anaphylactoid nephritis (human).
- PO1AM-14877-14 0026 (AMP) EDELMANN, CHESTER M. JR. Kidney function in infants and children—Asymptomatic bacteriuria in children with non-renal disease.
- PO1AM-14377-14 0027 (AMP) BARNETT, HENRY L. Kidney function in infants and children—Provision of health care to children with renal disease.
- PO1AM-14881-04 (AMP) DE LUCA, HECTOR F. UNIVERSITY OF WISCONSIN, DEPARTMENT OF BIOCHEMISTRY, MADISON, WIS. Metabolism and function of fat-soluble vitamins.
- PO1AM-14881-04 0001 (AMP) DELUCA, HECTOR F. Metabolism and function of fat-soluble vitamins—Metabolism of vitamins D2, D3 and D4 (chicks, rats, monkeys, swine).
- PO1AM-14881-04 0002 (AMP) DELUCA, HECTOR F. Metabolism and function of fat-soluble vitamins—Synthesis of vitamin D analogs and their biological activity.
- PO1AM-14881-04 0004 (AMP) DELUCA, HECTOR F. Metabolism and function of fat-soluble vitamins—Subcellular location of tritiated vitamin D3, 25 OH and its metabolites (rat).
- PO1AM-14881-04 0006 (AMP) OLSON, EARL B. JR. Metabolism and function of fat-soluble vitamins—Intestinal calcium transport system synthesized in response to vitamin D (rats).
- PO1AM-14881-04 0008 (AMP) OLSON, EARL B. JR. Metabolism and function of fat-soluble vitamins—Vitamin D and action of parathyroid hormone and calcitonin (rats).
- PO1AM-14881-04 0010 (AMP) DELUCA, HECTOR F. Metabolism and function of fat-soluble vitamins—Vitamin D transport protein from plasma (rats, human).
- PO1AM-14881-04 0011 (AMP) DELUCA, HECTOR F. Metabolism and function of fat-soluble vitamins—Clinical applications of vitamin D findings.
- PO1AM-14881-04 0012 (AMP) ZILE, MALJA H. Metabolism and function of fat-soluble vitamins—Studies on vitamin A (rats).
- PO1AM-14881-04 0013 (AMP) SUTTE, JOHN W. Metabolism and function of fat-soluble vitamins—Studies on vitamin K (rats, hamsters, cattle).
- PO1AM-14881-04 0014 (AMP) HOEKSTRA, WILLIAM G. Metabolism and function of fat-soluble vitamins—Studies on vitamin E (rodents, chickens, sheep).
- RO1AM-14882-04 (PTHB) FARBER, EMMANUEL, TEMPLE UNIVERSITY SCH OF MED, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Chemical pathology of lesions produced by ethionine (rats, guinea pigs).
- RO1AM-14887-07 (GMA) WEINSTEIN, GERALD D. UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLORIDA. Pathophysiology and chemotherapy in psoriasis and cancer.
- RO1AM-14887-07 0001 (GMA) WEINSTEIN, GERALD D. Pathophysiology and chemotherapy in psoriasis and cancer—Liver toxicity from methotrexate (human).
- RO1AM-14887-07 0002 (GMA) WEINSTEIN, GERALD D. Pathophysiology and chemotherapy in psoriasis and cancer—Topical chemotherapy (human).
- RO1AM-14887-07 0008 (GMA) WEINSTEIN, GERALD D. Pathophysiology and chemotherapy in psoriasis and cancer—Biochemical DNA synthesis pathways in skin.
- RO1AM-14887-07 0004 (GMA) WEINSTEIN, GERALD D. Pathophysiology and chemotherapy in psoriasis and cancer—Mechanism of drug action in skin.
- RO1AM-14893-04 (RAD) JAGGER, JOHN, UNIV OF TEXAS AT DALLAS, P O BOX 30365, DALLAS, TEXAS. Action of near-ultraviolet radiation on cells (bacteria).
- RO1AM-14898-12 (HBM) TANAKA, KOUICHI R. HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Metabolic and biochemical studies of blood cells (human).
- RO1AM-14914-05 (PC) TABACHNICK, JOSEPH, ALBERT EINSTEIN MED CTR, YORK AND TABOR RDS, PHILADELPHIA, PA. Origin and metabolism of pyroglutamic acid in epidermis (mammals).
- RO1AM-14915-04 (GMB) FANESTIL, DARRRELL D. DEPT OF MEDICINE, UNIV OF CALIF, SAN DIEGO, LA JOLLA, CALIF. Aldosterone stimulation of sodium transport (anurans, rats).
- RO1AM-14916-05 (GMA) ZVAIFLER, NATHAN J. UNIV HOSP OF SAN DIEGO CTY, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Synovial tissues in rheumatoid arthritis (human, guinea pigs).
- RO1AM-14918-04 (GMA) AKESON, WAYNE M. UNIVERSITY OF CALIFORNIA, DEPARTMENT OF SURGERY, SAN DIEGO, CALIF. Connective tissue response to immobility (human, rabbits, dogs).
- RO1AM-14923-03 (HBM) GARRICK, MICHAEL D. BELL FACILITY, POST OFFICE BOX U, STATION B, BUFFALO, N. Y. Hemoglobin—Biosynthesis and genetics (human, goats, sheep).
- RO1AM-14928-15 (ALY) HSU, KONRAD C. COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Pathogenesis of some sequelae of streptococcal disease (human, rats, rabbits).
- RO1AM-14934-04 (SOYA) ROHNER, THOMAS J. JR. PENNSYLVANIA STATE UNIVERSITY, MILTON S HERSHEY MED CTR, HERSHEY, PA. Excitation-contraction coupling in bladder and ureter (dogs, rabbits).
- RO1AM-14941-02 (GMA) ZIROM, VINCENT A. DEPT OF DERMATOLOGY, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Biochemical basis of prostaglandin action in the skin (human, rats).
- RO1AM-14945-04 (SOYA) UEHLING, DAVID T. UNIV OF WISCONSIN MED SCHOOL, 1300 UNIVERSITY AVENUE, MADISON, WIS. Protective role of urinary immunoglobulins (human, rats, bacteria).
- RO1AM-14952-04 (END) GANN, DONALD S. JOHNS HOPKINS SCH OF MED, TRAYLOR BUILDING, RM 223, BALTIMORE, MD. Hemodynamic control of adrenal corticoid secretion (cats).
- RO1AM-14956-04 (PC) CUATRECASAS, PEDRO, JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF MEDICINE, BALTIMORE, MD. Polypeptide hormone action and affinity chromatography (rats, human).
- RO1AM-14964-03 (SOYB) MURRAY, DAVID G. STATE UNIVERSITY OF NEW YORK, 750 E ADAMS STREET, SYRACUSE, N. Y. Development of salvage prosthesis for the knee joint (human).
- RO1AM-14974-04 (GMB) ARSENIUS, CHARALAMPOS, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. Cellular mechanisms of calcification (cattle).
- RO1AM-14977-05 (MET) BRENDL, KLAUS, UNIVERSITY OF ARIZONA, DEPARTMENT OF PHARMACOLOGY, TUCSON, ARIZ. Drugs in carbohydrate-lipid interrelationship (rats, mice, human).
- RO1AM-14902-04 (HBM) ITANO, HARVEY A. UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF PATHOLOGY, LA JOLLA, CALIF. Studies in molecular hematology (animals).
- RO1AM-14990-03 (PHY) GOLDNER, ANDREW M. UNIVERSITY OF CALIFORNIA, DEPT OF HUMAN PHYSIOLOGY, DAVIS, CALIF. Sugar and electrolyte absorption in intestine (rabbits).
- RO1AM-14991-03 (PHY) MC NABB, ROGER A. VIRGINIA POLYTECH INST-STATE U, DEPT OF BIOLOGY, BLACKSBURG, VA. The excretion of uric acid (birds).
- RO1AM-14993-04 (PHY) OSCHMAN, JAMES L. DEPT OF BIOLOGICAL SCIENCES, NORTHWESTERN UNIVERSITY, EVANSTON, ILL. Structure and function in transporting epithelia (squid).
- RO1AM-14997-04 (END) WILBER, JOHN F. NORTHWESTERN UNIVERSITY, 320 EAST SUPERIOR STREET, CHICAGO, ILL. Thyrotropin releasing factor secretion and actions (human, rats).
- RO1AM-15010-03 (HBM) WHITE, JAMES G. UNIVERSITY OF MINNESOTA, BOX 479, MINNEAPOLIS, MINN. Investigations of rigid hemoglobin syndromes (human, animals).
- RO1AM-15016-04 (BIO) BITENSKY, MARK W. YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Macromolecular reversible inhibitor of adenylyl cyclase (frogs, rabbits).
- RO1AM-15019-03 (MET) GABBAY, KENNETH M. CHILDRENS HOSPITAL MED CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Neuropathy in diabetes—Role of sorbitol pathway (human, rats).
- RO1AM-15022-03 (PHRB) RUSSELL, FINDLAY E. LABORATORY OF NEUROLOGICAL RES, BOX 323, 1200 NORTH STATE ST, LOS ANGELES, CALIF. Cyanocobalamin derivatives and growth and development under stress (mice).
- RO1AM-15041-02 (PTHA) HARTROFT, W STANLEY, UNIVERSITY OF HAWAII, 1960 EAST-WEST ROAD, HONOLULU, HAWAII. Ceroidogenesis (rats).

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- RO1AM-15049-03 (ALY) BISHOP, STEPHEN H, DEPT OF BIOCHEMISTRY, BAYLOR COLLEGE OF MEDICINE, HOUSTON, TEX. Cystic fibrosis-identity of the plasma factor (human, rabbits, mollusks).
- RO1AM-15051-03 (BBCA) HAUPTMAN, HERBERT A, MEDICAL FDN OF BUFFALO, 173 HIGH STREET, BUFFALO, N. Y. Molecular structure of thyroactive compounds.
- RO1AM-15053-04 (BBCA) NAGEL, RONALD L, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Structure and function of Hb A and Hb S (human).
- RO1AM-15056-04 (BBCB) AISEN, PHILIP, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Iron-binding proteins and control of iron metabolism (human, rabbits, hagfish).
- RO1AM-15057-04 (BBCB) TOLLIN, GORDON, UNIVERSITY OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Flavin-protein interactions in flavoenzyme catalysis (bacteria).
- RO1AM-15059-04 (MET) HANSEN, ROBERT J, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGICAL SCIENCES, DAVIS, CALIF. Insulin and enzyme turnover in adipose and liver (rats).
- RO1AM-15061-03 (PC) BLOUT, ELKAN R, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Collagenase-Structure and biological function (clostridium).
- RO1AM-15070-04 (END) REPETOFF, SAMUEL, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, BOX 138, CHICAGO, ILL. Metabolism of thyroid hormones by cells in tissue culture (human, rats).
- RO1AM-15077-04 (GMA) HANSON, RUSSELL F, UNIVERSITY OF MINNESOTA HOSPS, 412 UNION STREET S E, MINNEAPOLIS, MINN. Metabolism of bile acids (human).
- RO1AM-15089-05 (GMA) LEMANN, JACOB, JR, MILWAUKEE COUNTY GENERAL HOSP, 8700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Sugar ingestion, calcium excretion and kidney stones (human).
- RO1AM-15091-04 (AFY) BRIGHTON, CARL T, UNIVERSITY OF PENNSYLVANIA, 36TH & HAMILTON WALK, PHILADELPHIA, PA. Articular cartilage preservation and transplantation (rabbits, human).
- RO1AM-15100-04 (NTN) DOISY, RICHARD J, UPSTATE MEDICAL CENTER, 766 IRVING AVENUE, SYRACUSE, N. Y. Importance of chromium in human nutrition (also mice).
- RO1AM-15112-04 (PC) HUDSON, BILLY G, OKLAHOMA STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, STILLWATER, OKLA. The structure of basement membranes.
- RO1AM-15118-04 (GMA) VAUGHAN, JOHN H, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Gamma globulins in health and disease (human, rabbits, mice, guinea pigs).
- RO1AM-15119-04 (BIO) HEIZER, WILLIAM D, NORTH CAROLINA MEMORIAL HOSP, CHAPEL HILL, N. C. Intestinal peptidases-Properties and functions (rats, human).
- RO1AM-15120-04 (MET) WILLIAMSON, JOHN R, UNIVERSITY OF PENNSYLVANIA, JOHNSON RESEARCH FOUNDATION, PHILADELPHIA, PA. Control of metabolism in normal and diseased states (rat liver).
- RO1AM-15144-03 (GMA) LEVENSON, STANLEY M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Anemia, pancreatic atrophy, defined diets (rats, mice).
- RO1AM-15146-04 (PTHA) VERNIER, ROBERT L, UNIVERSITY OF MINNESOTA, DEPARTMENT OF PEDIATRICS, MINNEAPOLIS, MINN. Maldevelopment of the embryonic and fetal kidney (rats, mice).
- RO1AM-15150-03 (PC) LIGHT, ROBLEY J, FLORIDA STATE UNIVERSITY, DEPT OF CHEMISTRY, TALLAHASSEE, FLA. Hydroxy fatty acid metabolism and function (coelenterates, chickens, rats, yeast).
- RO1AM-15156-04 (BIO) MOLDAVE, KIVIE, UNIV OF CALIFORNIA, CALIFORNIA COLLEGE OF MED, IRVINE, CALIF. Mechanism of protein biosynthesis (rats).
- RO1AM-15157-04 (MCHB) HARDING, KENN E, DEPT OF CHEMISTRY, TEXAS A&M UNIVERSITY, COLLEGE STATION, TEX. Alicyclic cations in biogenetic-like reactions.
- RO1AM-15159-04 (PTHA) BURKHOLDER, PETER M, UNIVERSITY OF WISCONSIN MED SC, DEPT OF PEDIATRICS AND PATH, MADISON, WIS. Immunohistopathology of renal diseases (human, rabbits).
- RO1AM-15162-03 (PHRA) STEELE, THOMAS H, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Factors affecting renal lithium elimination (human, rats).
- RO1AM-15163-05 (HEM) HERBERT, VICTOR D, VETERANS ADMINISTRATION HOSP, 130 WEST KINGSBRIDGE ROAD, BRONX, N. Y. Vitamin B12 and folic acid metabolism (human, rodents).
- RO1AM-15165-04 (MET) BRAY, GEORGE A, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Adipose tissue metabolism in obesity (human, rats).
- RO1AM-15171-02 (BM) WATSON, DAVID W, UNIVERSITY OF CALIFORNIA, DEPT OF INTERNAL MEDICINE, DAVIS, CALIF. Experimental immune colitis due to bacterial antigens (human, guinea pigs).
- RO1AM-15172-10 (MET) PIANTADOSI, CLAUDE, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, N. C. Alkoxy and alkenyloxy glyceryl ethers and derivatives (human, rats, mice).
- RO1AM-15175-05 (PHY) PINN, ARTHUR L, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N. C. Water and electrolyte transport in the bladder (toads).
- RO1AM-15178-03 (DEN) BHATHNAGAR, RAJENDRA S, UNIVERSITY OF CALIFORNIA, LAB OF CONNECTIVE TISSUE BIOCH, SAN FRANCISCO, CALIF. Genetic and nutritional defects in skeletal growth (animals).
- RO1AM-15186-06 (MET) TRIMBLEY, GEORGE C, DEPT OF BIOCHEMISTRY, UNIV OF RHODE ISLAND, KINGSTON, R. I. Regulation of pyrimidine biosynthesis in the rat.
- RO1AM-15189-09 (MET) LEVIN, EPHRAIM Y, JOHNS HOPKINS UNIVERSITY, 601 NORTH BROADWAY, BALTIMORE, MD. Enzymatic formation of bile pigments (mice, squirrels, human).
- RO1AM-15191-04 (MET) CAHILL, GEORGE F, JR, JOSLIN DIABETES FDN, INC, 170 PILGRIM ROAD, BOSTON, MASS. Physiology, pathology and biochemistry of diabetes (human, rats).
- RO1AM-15193-04 (PTHA) LIKE, ARTHUR A, ELLIOT P JOSLIN RESEARCH LAB, 170 PILGRIM ROAD, BOSTON, MASS. Ultrastructural and physiologic diabetes studies (human, mice, monkeys).
- RO1AM-15197-03 (NTN) SWENDBID, MARIAN E, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HLTH, LOS ANGELES, CALIF. Amino acid metabolism in experimental uremia (rats).
- RO1AM-15206-03 (GMA) BERNSTEIN, ISADORE A, UNIV OF MICHIGAN, 1608 SCHOOL OF PUBLIC HEALTH, ANN ARBOR, MICH. Neoplastic and hyperplastic epidermal metabolism (human, rats).
- RO1AM-15216-04 (AFY) RADIN, ERIC L, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Molecular basis of joint lubrication (cattle, human).
- RO1AM-15220-03 (IMB) GOLDBERG, LEONARD S, UCLA SCHOOL OF MEDICINE, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Cell-mediated immune mechanisms in pernicious anemia (human, rodents).
- RO1AM-15227-04 (NTN) BENEVENGA, NORLIN J, UNIVERSITY OF WISCONSIN, 1675 OBSERVATORY DRIVE, MADISON, WIS. Effect of age on sulfur amino acid metabolism (rats).
- RO1AM-15235-04 (MET) REDDY, WILLIAM J, UNIV OF ALABAMA SCH OF MED, 1919 7TH AVENUE SOUTH, BIRMINGHAM, ALA. Mechanism of action of insulin (rats).
- RO1AM-15236-04 (END) KOWAL, JEROME, UNIV HOSPITALS OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Enzymatic control of steroid biosynthesis (mice).
- RO1AM-15240-01 (DEN) MC LAUGHLIN, ROBERT E, DEPT OF ORTHOPEDICS, UNIVERSITY OF VIRGINIA HOSP, CHARLOTTESVILLE, VA. Improvements in the use of acrylic cement.
- RO1AM-15241-04 (SOYB) THOMPSON, JAMES C, UNIV OF TEXAS MEDICAL BRANCH, DEPT OF SURGERY, GALVESTON, TEXAS. Surgical studies in gastrin metabolism (human, dogs, rabbits, rats).
- R22AM-15242-03 (SSS) MAYORAL, LUIS G, DIRECTOR OF THE METABOLIC UNIT, UNIVERSIDAD DEL VALLE, CALI, COLOMBIA. Intestinal malabsorption in protein malnutrition (human).
- RO1AM-15251-04 (BBCB) KOWALSKY, ARTHUR, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Control mechanisms of ion and electron transfer.
- RO1AM-15258-05 (GMA) NASSET, EDMUND S, CHILDREN'S HOSP-NORTHERN CALIF, 51ST & GROVE STREETS, OAKLAND, CALIF. Physiological regulation of small gut secretion (dogs).
- RO1AM-15262-04 (MET) REEM, GABRIELLE H, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Purine metabolism in genetic disease and leukemia (human, mice).
- RO1AM-15263-03 (MET) LAVIS, VICTOR R, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MEDICINE, SEATTLE, WASH. Effector systems for insulin action on fat cells (rats, human).
- RO1AM-15265-04 (END) RIVLIN, RICHARD S, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Hormonal and nutritional regulation of metabolism (rats, human, amphibians).
- RO1AM-15267-03 (IMB) COCHRAN, KENT C, UNIV OF CALIFORNIA, SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. Evaluation of the mixed skin cell-leucocytes reaction (human).
- RO1AM-15272-03 (MET) RUDERMAN, NEIL B, ELLIOTT P JOSLIN RES LAB, 170 PILGRIM ROAD, BOSTON, MASS. Metabolism of perfused hind limb (rats).
- RO1AM-15278-01 (SOYB) BOGINS, RICHARD S, UNIVERSITY OF CALIFORNIA, DEPT OF ORTHOPAEDIC SURGERY, DAVIS, CALIF. Study of scoliosis (chickens).
- RO1AM-15279-03 (SOYB) CORRIERE, JOSEPH N, JR, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Urinary particle scanning in urinary tract disease (dogs, human).
- RO1AM-15280-04 (HEM) WOLF, NORMAN S, UNIVERSITY OF WASHINGTON, DEPT OF PATHOLOGY, SEATTLE, WASH. Stromal control of hemopoiesis-normal and diseased (mice).
- RO1AM-15281-03 (MET) RODGERS, JOHN B, JR, ALBANY MEDICAL COLLEGE, DEPARTMENT OF MEDICINE, ALBANY, N. Y. Effects of ethanol on lipid absorption and metabolism (rats).
- RO1AM-15282-01 (PC) FITCH, WALTER M, UNIVERSITY OF WISCONSIN, 572 MEDICAL SCIENCES BLDG, MADISON, WIS. Heme proteins structure, function, genetics (rodents, armadillo, bats, protozoa).
- RO1AM-15285-03 (GMA) ROTHBERG, SIMON, VIRGINIA COMMONWEALTH UNIV, DEPT OF DERMATOLOGY BOX 127, RICHMOND, VA. Biochemical regulation in epidermis (mice).
- RO1AM-15287-03 (MAY) SHULMAN, HERBERT J, ALBERT EINSTEIN COLL OF MED, 333 SOUTHERN BLVD, BRONX, N. Y. Cartilage production in cell culture (chick embryo, human).
- RO1AM-15292-01 (END) KULL, FREDRICK J, STATE UNIVERSITY OF NEW YORK, DEPT OF BIOLOGICAL SCIS, BINGHAMTON, N. Y. RNA-iodo proteinaceous complexes of thyroid (mammals).
- RO1AM-15297-03 (PC) ROONSTAD, ROBERT A, CEDARS-SINAI MEDICAL CENTER, 4751 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Pathways of carbon and hydrogen in gluconeogenesis (rats).
- RO1AM-15304-03 (SOYA) WILLIAMS, LESTER F, JR, BOSTON UNIVERSITY, 750 HARRISON AVENUE, BOSTON, MASS. Surgical studies on gallstone formation (monkeys).
- RO1AM-15308-04 (END) MARSHALL, JAMES S, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Human thyroxine binding globulin (human).
- RO1AM-15312-03 (MET) FUJIMOTO, WILFRED Y, 13613 94TH AVENUE, N E, KIRKLAND, WASH. Cell culture study of insulin synthesis, secretion, action (human, rats, monkeys).
- RO1AM-15314-08 (MET) KELLEHER, PHILIP C, UNIVERSITY OF VERMONT, C 340 GIVEN MEMORIAL BUILDING, BURLINGTON, VERMONT. Basement membrane metabolism in diabetes mellitus (rats, human).
- RO1AM-15316-04 (PHRA) MURAD, FERID, UNIVERSITY OF VIRGINIA, DEPTS OF INT MED & PHARM, CHARLOTTESVILLE, VA. Factors which regulate the action of cyclic 3,5 - AMP (human, dog, rats).
- RO1AM-15317-03 (GEN) WITKOP, CARL J, JR, UNIVERSITY OF MINNESOTA, 429 OWRE HALL, MINNEAPOLIS, MINN. Oculocutaneous pigment defects, blocks and treatment (human, rabbit, guinea pigs).
- RO1AM-15322-08 (HEM) NATHAN, DAVID G, CHILDRENS HOSPITAL MEDICAL CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Lysis of red cells by hemoglobin and membrane disease (human).
- RO1AM-15323-04 (IMB) LUCAS, ZOLTAN J, STANFORD UNIVERSITY, DEPARTMENT OF SURGERY, STANFORD, CALIF. Antibody-mediated protection or damage to organ grafts (human, rats, dogs).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AM-15325-04 (MBC) ADAMS, BRUCE G, UNIVERSITY OF HAWAII, 2538 THE MALL-SNYDER HALL 207, HONOLULU, HAWAII. Carbolite repression of the galactose system (yeast).
- RO1AM-15332-08 (BO) PINGOLD, DAVID S, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. UDP glucose dehydrogenase (cattle, E coli).
- RO1AM-15345-04 (PC) DEAL, WILLIAM C, JR, MICHIGAN STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, EAST LANSING, MICH. Liver fatty acid synthetase and acetyl coA carboxylase (swine).
- RO1AM-15346-03 (GMB) CLARK, IRWIN, UNIVERSITY OF NORTH CAROLINA, DIVISION OF ORTHOPEDIC SURGERY, CHAPEL HILL, N C. Development of mineralized tissues (rats).
- RO1AM-15347-04 (PHBA) FISCHER, JOSEF B, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. False neurotransmitters and hepatic failure (humans, rabbits, rats).
- RO1AM-15350-03 (PHY) POWELL, DON W, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N C. Mechanisms of intestinal secretion (rats, rabbits, guinea pigs).
- RO1AM-15355-04 (GMB) CORRADINO, ROBERT A, CORNELL UNIVERSITY, DEPT OF PHYSICAL BIOLOGY, ITHACA, N Y. Synthesis and function of calcium binding protein (chick embryo).
- RO1AM-15360-03 (MET) VAUGHAN, MAURICE H, JR, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF BIOCHEMISTRY, PITTSBURGH, PA. Regulation of HGPRTase levels in human cells (rabbits).
- RO1AM-15364-04 (NTN) MUNRO, HAMISH N, MASSACHUSETTS INST OF TECH, 50 AMES STREET, CAMBRIDGE, MASS. Nutritional regulation of protein metabolism (rats).
- RO1AM-15364-04 (PHY) KIMMICH, GEORGE A, UNIVERSITY OF ROCHESTER, DEPT OF RAD BIO & BIOPHYSICS, ROCHESTER, N Y. Mechanism of sodium-dependent metabolite transport.
- RO1AM-15367-08 (PC) HARPER, ELVIN, MASSACHUSETTS GENERAL HOSP, 32 FRUIT STREET, BOSTON, MASS. Degradative mechanisms of collagen in health and disease (amphibian).
- RO1AM-15379-03 (GMA) FULTON, JAMES E, JR, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Lipases of sebaceous follicles relation to acne (human).
- RO1AM-15391-04 (GMA) SISK, CHARLES, ARTHRITIS FOUNDATION, 1212 AVENUE OF THE AMERICAS, NEW YORK, N Y. Cooperative studies in rheumatoid arthritis (human).
- RO1AM-15393-04 (GMB) MOORE, EDWARD W, MEDICAL COLLEGE OF VIRGINIA, 12TH AND BROAD STREETS, RICHMOND, VA. Ion-exchange calcium electrodes (human, rabbits, dogs).
- RO1AM-15394-04 (PTHA) MEZZAN, ILIAS, UNIVERSITY OF ARIZONA, DEPT OF PHARMACOLOGY, TUCSON, ARIZ. Glycoprotein structure and metabolism in diabetes (rats).
- RO1AM-15390-04 (MET) CHICK, WILLIAM L, ELLIOTT P JOSLIN RESEARCH LAB, 170 PILGRIM ROAD, BOSTON, MASS. Pancreatic islets and beta cell studies (human, mice, rats, rabbits).
- RO1AM-15403-03 (HEM) GRASSO, JOSEPH A, BOSTON UNIVERSITY SCH OF MED, 80 EAST CONCORD STREET, BOSTON, MASS. RBC differentiation (newts).
- RO1AM-15404-04 (BO) FLAUT, GERHARD W E, TEMPLE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, PHILADELPHIA, PA. Regulation of pathways of intermediary metabolism (cattle).
- RO1AM-15410-04 (MCHA) GOODMAN, MURRAY, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Synthetic and racemization studies in peptide chemistry.
- RO1AM-15417-08 (SOYA) BASS, PAUL, UNIVERSITY OF WISCONSIN, 425 N CHARTER STREET, MADISON, WIS. Contractions and emptying of stomach and intestine (dogs).
- RO1AM-15421-14 (END) OPPENHEIMER, JACK H, MONTEFIORE HOSP & MEDL CENTER, 111 EAST 210TH STREET, BRONX, N Y. Thymidine-protein interactions (human, rats).
- RO1AM-15426-02 (GMA) GUTH, PAUL H, WADSWORTH VA HOSPITAL, LOS ANGELES, CALIF. Vascular factor in acute gastric mucosal lesions (rats).
- RO1AM-15440-04 (PTHA) TRUAMP, BENJAMIN F, UNIVERSITY OF MARYLAND, 31 S GREEKE STREET, BALTIMORE, MD. Subcellular reaction to injury in the kidney (human, rats, mice, frogs, fish).
- RO1AM-15441-08 (HEM) COOPER, RICHARD A, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF MEDICINE, PHILADELPHIA, PA. Disorders of the red cell membrane in disease (human).
- RO1AM-15442-08 (HEM) BANNERMAN, ROBIN M, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N Y. Iron metabolism in inherited hypochromic anemias (mice, rat).
- RO1AM-15443-03 (HEM) MORSE, BERNARD S, COLL OF MED & DENT-NEW JERSEY, 65 BERGEN ST, NEWARK, N J. Regulation of erythroid maturation (human, rabbits, guinea pigs, mice).
- RO1AM-15446-03 (NTN) MASSETT, EDMUND S, CHILDRENS HOSP MED CENTER, 51ST AND GROVE STREETS, OAKLAND, CALIF. Nutritional significance of amino acid homeostasis (dogs, rats).
- RO1AM-15450-03 (PHY) GHEBISCH, GERHARD H, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Studies on mammalian collecting duct function.
- RO1AM-15458-03 (GMB) FREUSS, HARRY G, GEORGETOWN UNIVERSITY, 3800 RESERVOIR ROAD, N W, WASHINGTON, D C. Oxidative metabolism of glutamine by the kidney (dogs, rats).
- RO1AM-15480-03 (SOYB) CHYAPL, MILOS, UNIVERSITY OF ARIZONA, 1501 NORTH CAMPBELL AVE, TUCSON, ARIZ. Effect of oxygen on fibrosis formation (human, rats, mollusks).
- RO1AM-15461-08 (GMA) SCHEUPLIN, ROBERT J, MASSACHUSETTS GEN HOSP, DEPARTMENT OF DERMATOLOGY, BOSTON, MASS. Physical and chemical nature of the cutaneous barrier (human).
- RO1AM-15462-03 (GMB) POSTER, GIRAUD V, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Assay of calcium regulating hormones (human, dogs, sheep, rabbits, guinea pigs).
- RO1AM-15463-03 (GMB) DOTY, STEPHEN B, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Phosphatase activity and localization in bone cells (mice, rats, human).
- RO1AM-15464-02 (GMB) ANBAR, MICHAEL, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Calcium isotopic composition in metabolic disorders.
- RO1AM-15468-03 (MBY) ARONSON, NATHAN N, JR, PENNSYLVANIA STATE UNIVERSITY, 308 ALTHOUSE LAB, UNIVERSITY PARK, PA. Normal and pathological lysosomal metabolism (rats).
- RO1AM-15466-02 (CBY) SCHIMMEL, RICHARD J, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF PHYSIOLOGY, PITTSBURGH, PA. Role of microtubules and calcium in FFA mobilization (rats).
- RO1AM-15467-08 (PC) SMITH, DAVID W, NORTHWESTERN UNIV MED SCH, 303 E CHICAGO AVENUE, CHICAGO, ILL. Transfer RNA and hemoglobin synthesis-tRNA methylation (human, rabbits).
- RO1AM-15468-02 (PC) SCRUTTON, MICHAEL C, TEMPLE UNIVERSITY, DEPT OF BIOCHEMISTRY, PHILADELPHIA, PA. Pyruvate carboxylase in metabolic regulation invertebrates, (vertebrates).
- RO1AM-15475-03 (PC) HOROWITZ, MARTIN I, NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AT 106TH STREET, NEW YORK, N Y. Biochemistry of gastric sulfated glycoproteins (human, rats, dogs, swine).
- RO1AM-15470-03 (SOYB) AKESON, WAYNE H, UNIVERSITY OF CALIFORNIA, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Fixation of fractures with pyrolytic carbon plates (dogs).
- RO1AM-15480-03 (SSS) HANKES, LAWRENCE V, BROOKHAVEN NATIONAL LABORATORY, MEDICAL RESEARCH CENTER, UPTON, N Y. Tryptophan metabolism in pellagra (human).
- RO1AM-15484-03 (END) LEE, YA P, UNIVERSITY OF NORTH DAKOTA, DEPARTMENT OF BIOCHEMISTRY, GRAND FORKS, N DAK. Some actions of thyroid hormone (rats, guinea pigs).
- RO1AM-15492-03 (HEM) CONCONI, FRANCESCO, UNIVERSITA DI FERRARA, VIA FOSSATO DI MORTARA, 25, 44100 FERRARA - ITALY. Molecular pathology of beta-thalassemia (human).
- RO1AM-15484-03 (UMB) BUTLER, WILLIAM T, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVE, HOUSTON, TEX. Lymphocytotoxicity in systemic lupus erythematosus (human).
- RO1AM-15498-03 (MET) HEMMINGER, MURRAY, VANDERBILT UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, NASHVILLE, TENN. Hepatotoxicity of tetracyclines and other drugs (rats).
- RO1AM-15504-01 (MCHA) HRUBY, VICTOR J, UNIVERSITY OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Synthesis and receptor studies of hormone analogs.
- RO1AM-15507-08 (END) RICH, DANIEL H, UNIVERSITY OF WISCONSIN, 425 N CHARTER STREET, MADISON, WIS. Irreversible inhibition of specific peptide receptors.
- RO1AM-15509-08 (END) KITABCHI, ABBAS E, UNIVERSITY OF TENNESSEE, 951 COURT AVENUE, MEMPHIS, TENN. Mechanism of action of ACTH and insulin (rats).
- RO1AM-15511-08 (EXP) POWLEY, TERRY L, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Hypothalamic control of body weight and feeding (rats, squirrel).
- PO1AM-15512-03 (AMP) EISENBACH, RICHARD E, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. University of Wisconsin program project in nephrology.
- PO1AM-15512-08 0002 (AMP) EISENBACH, RICHARD E. University of Wisconsin program project in nephrology-Reduced nephron population (human).
- PO1AM-15512-03 0005 (AMP) WEN, S F. University of Wisconsin program project in nephrology-Renal pharmacology (dogs).
- PO1AM-15512-08 0006 (AMP) STEBLE, THOMAS. University of Wisconsin program project in nephrology-Renal pharmacology (human).
- PO1AM-15512-08 0008 (AMP) UEBLING, DAVID. University of Wisconsin program project in nephrology-Kidney preservation (dogs, human).
- PO1AM-15512-03 0010 (AMP) DEBUCA, HECTOR. University of Wisconsin program project in nephrology-Metabolic consequences of uremia (human, rats, chickens).
- PO1AM-15512-08 0011 (AMP) WEINER, MICHAEL. University of Wisconsin program project in nephrology-Renal metabolism in health and disease (dogs, human, rats).
- PO1AM-15515-03 (AMP) VAN SCOTT, EUGENE J, SKIN AND CANCER HOSPITAL, 3322 N BROAD STREET, PHILADELPHIA, PA. Psoriasis biology, psoriogenesis and lesion control.
- PO1AM-15515-03 0001 (AMP) FLAXMAN, B ALLEN. Psoriasis biology, psoriogenesis and lesion control-Mitotic behavior in epidermal system (human, lizards, mice).
- PO1AM-15515-03 0002 (AMP) FLAXMAN, B ALLEN. Psoriasis biology, psoriogenesis and lesion control-Intra-epidermal factors controlling mitosis (human, lizards, rodents).
- PO1AM-15515-03 0003 (AMP) FLAXMAN, B ALLEN. Psoriasis biology, psoriogenesis and lesion control-Controls of mitosis of extra-epithelial origin (human, lizards).
- PO1AM-15515-03 0004 (AMP) VANSCOTT, EUGENE J. Psoriasis biology, psoriogenesis and lesion control-Anatomic determinants of psoriogenesis (human).
- PO1AM-15515-03 0005 (AMP) VANSCOTT, EUGENE J. Psoriasis biology, psoriogenesis and lesion control-Mechanism of psoriogenesis by chloroquin and quinacrine (human).
- PO1AM-15515-08 0006 (AMP) URBACH, FREDERICK. Psoriasis biology, psoriogenesis and lesion control-Therapeutic mechanism of sunlight.
- PO1AM-15515-03 0007 (AMP) VANSCOTT, EUGENE J. Psoriasis biology, psoriogenesis and lesion control-Corticosteroid effects (human).
- PO1AM-15515-03 0008 (AMP) VANSCOTT, EUGENE J. Psoriasis biology, psoriogenesis and lesion control-Arthralgia effects (human, mice).
- PO1AM-15515-03 0009 (AMP) VANSCOTT, EUGENE J. Psoriasis biology, psoriogenesis and lesion control-Animal screening systems for tropical drugs (swine, mice).
- PO1AM-15515-03 0010 (AMP) FLAXMAN, B ALLEN. Psoriasis biology, psoriogenesis and lesion control-In vitro screening for drug action (human, mice, lizards).
- PO1AM-15515-03 0011 (AMP) VANSCOTT, EUGENE J. Psoriasis biology, psoriogenesis and lesion control-Clinical investigations.
- RO1AM-15519-03 (PTHA) FERREIRA, GERARD P, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Behavior of reticular cells in germinal center genesis (rats, mice).
- RO1AM-15521-03 (TOX) SUTTIE, JOHN W, UNIVERSITY OF WISCONSIN, DEPARTMENT OF BIOCHEMISTRY, MADISON, WIS. Nutritional and metabolic effects of fluorides.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1AM-15521-03 0001 (TOX) SUTTIE, JOHN W. Nutritional and metabolic effects of fluorides—Dietary fluoride and high fat diets.
- RO1AM-15521-03 0003 (TOX) SUTTIE, JOHN W. Nutritional and metabolic effects of fluorides—Fluoride distribution and metabolism (chicks).
- RO1AM-15521-03 0004 (TOX) SUTTIE, JOHN W. Nutritional and metabolic effects of fluorides—Possible essentiality of fluoride in the mouse.
- RO1AM-15521-03 0005 (TOX) SUTTIE, JOHN W. Nutritional and metabolic effects of fluorides—Effect of fluoride on glycogenolysis (rats).
- RO1AM-15525-03 (HBM) ZANJANI, ISMAEL D, MT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N. Y. Regulation of erythropoiesis in fetus and adult (human, goat, mice).
- RO1AM-15527-03 (MBC) FREEMAN, FRANK E, MEDICAL COLLEGE OF WISCONSIN, 561 N FIFTEENTH STREET, MILWAUKEE, WIS. Lipid transport (E coli).
- RO1AM-15531-03 (MET) WILLIAMAN, RICHARD E, WASHINGTON UNIV SCHOOL OF MED, 4550 SCOTT AVE, ST LOUIS, MO. Membrane transport of amino acids (human, rabbits).
- RO1AM-15533-03 (PHY) HOWELL, JOHN N, UNIV OF PITTSBURGH SCH OF MED, DEPT OF PHYSIOLOGY, PITTSBURGH, PA. Function of the glycocortex in muscle (rats).
- RO1AM-15534-02 (PHY) GREEN, JAMES W, RUTGERS - THE STATE UNIV, NELSON BIOLOGICAL LABS, NEW BRUNSWICK, N. J. Prostaglandin and calcium interactions on sodium transport (anurans).
- RO1AM-15540-03 (SOYA) DODDS, WYLLIE J, MILWAUKEE COUNTY GENERAL HOSP, 8700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Esophageal motion in health and disease (human, monkeys, cats, opossum).
- RO1AM-15541-03 (GMA) ROBSON, ALAN M, WASHINGTON UNIVERSITY, 500 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Glomerular permeability in renal disease (human, rabbits).
- RO1AM-15544-03 (GMA) STEINMAN, CHARLES R, MT SINAI SCHOOL OF MEDICINE, 1 EAST 100 STREET, NEW YORK, N. Y. Erysipelothrix model of rheumatoid arthritis etiology (swine, rabbits).
- RO1AM-15552-03 (GMB) BANKS, WILLIAM J, JR, COLORADO STATE UNIVERSITY, DEPARTMENT OF ANATOMY, FORT COLLINS, COLO. Model for chondrogenic and osteogenic studies (deer).
- RO1AM-15553-03 (HBM) PRINCIOOTTO, JOSEPH V, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N. W, WASHINGTON, D. C. Reticulocyte receptor-transferrin reaction (human, rabbits).
- RO1AM-15555-03 (HBM) KRANTZ, SANFORD B, VETERANS ADMIN HOSPITAL, 1310 - 24TH AVENUE SOUTH, NASHVILLE, TENN. Erythropoietin and the regulation of erythropoiesis (human, mice).
- RO1AM-15556-03 (MCHA) KATZENELLENBOGEN, JOHN A, UNIVERSITY OF ILLINOIS, DEPARTMENT OF CHEMISTRY, URBANA, ILL. Uterine estrogen receptor affinity labeling.
- RO1AM-15564-03 (SSS) MAKHLLOUF, GABRIEL M, MEDICAL COLLEGE OF VIRGINIA, 1200 E BROAD STREET, RICHMOND, VA. Secretion and hormonal integration of exocrine organs.
- RO1AM-15564-03 0001 (SSS) MAKHLLOUF, GABRIEL M. Secretion and hormonal integration of exocrine organs—Synergism and inhibition of exocrine secretion (human).
- RO1AM-15564-03 0002 (SSS) MAKHLLOUF, GABRIEL M. Secretion and hormonal integration of exocrine organs—Integrative action of GI hormones on motor function (human, guinea pigs).
- RO1AM-15564-03 0003 (SSS) MAKHLLOUF, GABRIEL M. Secretion and hormonal integration of exocrine organs—In vitro insulin release as model of hormone-hormone release.
- RO1AM-15564-03 0004 (SSS) MAKHLLOUF, GABRIEL M. Secretion and hormonal integration of exocrine organs—Kinetics of taste and salivary response as model of chemoreception in gut (human).
- RO1AM-15564-03 0005 (SSS) MAKHLLOUF, GABRIEL M. Secretion and hormonal integration of exocrine organs—Ion and water transport in mucosa (frogs, mammals).
- RO1AM-15564-03 0006 (SSS) MAKHLLOUF, GABRIEL M. Secretion and hormonal integration of exocrine organs—Osmotic flow in gastric mucosa.
- RO1AM-15564-03 0007 (SSS) MAKHLLOUF, GABRIEL M. Secretion and hormonal integration of exocrine organs—Cation permeability in vitro (frogs).
- RO1AM-15565-03 (GMA) HOROWITZ, MARTIN I, NEW YORK MEDICAL COLLEGE, DEPT OF BIOCHEMISTRY, VALHALLA, N. Y. Biochemistry of lipids in normal and ulcerated stomachs (human, animals).
- RO1AM-15575-03 (SOYB) SCHULTZ, ALBERT B, UNIV OF ILLINOIS AT CHICAGO CI, DEPT OF MATERIALS ENGR, CHICAGO, ILL. Biomechanical studies of idiopathic scoliosis (human).
- RO1AM-15579-03 (MBC) MERRILL, JOHN P, PETER BENT BRIGHAM HOSP, 721 HUNTINGTON AVENUE, BOSTON, MASS. Enhancement in a renal transplant model (rats).
- RO1AM-15584-03 (BND) DAVIS, PAUL J, BALTIMORE CITY HOSPITALS, BALTIMORE, MD. Thyroxine-binding proteins in liver cytosol (dogs).
- RO1AM-15590-03 (GMA) FLUBSCHMAJER, RAUL, HAHNEMANN MED COLL & HOSP, 230 NORTH BROAD STREET, PHILADELPHIA, PA. The subcutaneous tissue in scleroderma (human).
- RO1AM-15594-03 (MBY) LOW, ROBERT B, UNIVERSITY OF VERMONT, GIVEN MEDICAL BLDG E-211, BURLINGTON, VT. Biological function of myosin light chains (chick embryo, rats).
- RO1AM-15603-03 (GMA) WALSER, MACKENZIE, JOHNS HOPKINS UNIV SCH OF MED, 725 NORTH WOLFE STREET, BALTIMORE, MD. Therapeutic value of augmented nitrogen reutilization (human, rabbits).
- RO1AM-15604-03 (GMB) EKNQYAN, GARABED, VETERANS ADMINISTRATION HOSP, 2002 HOLCOMBE BOULEVARD, HOUSTON, TEX. Functional studies of cystic disease of the kidneys (rats, rabbits).
- RO1AM-15604-03 (SOYA) ZIMMERMAN, CLARENCE E, BETH ISRAEL HOSP, 330 BROOKLINE AVENUE, BOSTON, MASS. Active enhancement of renal and islet cell allografts (rats, dogs).
- RO1AM-15611-03 (PC) REIMANN, ERWIN M, MED COLLEGE OF OHIO AT TOLEDO, P O BOX 6190, TOLEDO, OHIO. Biochemical role of cyclic AMP in gastric mucosa (rabbits, dogs).
- RO1AM-15615-03 (BCCA) CHRISTENSEN, JAMES J, BRIGHAM YOUNG UNIVERSITY, 350-C ESTB, PROVO, UTAH. Chromium in lipid and carbohydrate metabolism (rats, human).
- RO1AM-15621-01 (BND) HALL, PETER F, UNIVERSITY OF CALIFORNIA, FUNCTIONAL CORRELATES B, IRVINE, CALIF. Biochemistry of cytochrome P-450 and steroid hydroxylation (cattle).
- RO1AM-15622-03 (GMB) BOGENA, PATRICK, MOUNT SINAI MEDICAL SCHOOL, 10 EAST 102ND STREET, NEW YORK, N. Y. Neurohypophysial hormone secretion in tissue culture (rat, chick embryo, anurans).
- RO1AM-15623-03 (PC) RIBNIERT, OWEN M, UNIVERSITY OF FLORIDA, DEPT OF BIOCHEMISTRY, GAINESVILLE, FLA. Polysaccharide metabolism in cystic fibrosis (human).
- RO1AM-15631-03 (GMA) SCHOBENFIELD, LESLIE J, CEDARS-SINAI MEDICAL CENTER, 8720 BEVERLY BOULEVARD, LOS ANGELES, CALIF. Hepatic and biliary alterations in cholelithiasis (human, hamsters).
- RO1AM-15634-03 (GMA) WADDELL, WILLIAM R, UNIVERSITY OF COLORADO MED CTR, 4200 E 9TH AVENUE, DENVER, COLO. Inhibitors of enzyme synthesis.
- RO1AM-15641-03 (MET) WHISTLER, ROY L, DEPARTMENT OF BIOCHEMISTRY, PURDUE UNIVERSITY, LAFAYETTE, IND. Biochemistry of 5-thio-D-glucose (rats).
- RO1AM-15645-03 (BIO) CARDENAS, JANET M, OREGON STATE UNIV, DEPT BIOCHEM & BIOPHYSICS, CORVALLIS, OREG. Inborn errors and pyruvate kinase isozymes (cattle).
- RO1AM-15645-03 (BDC) COGGINS, CECIL H, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, OSTON, MASS. The adult idiopathic nephrotic syndrome (human).
- RO1AM-15650-03 (HBM) MACKENZIE, MALCOLM R, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Autoimmune hemolytic anemia (human).
- RO1AM-15656-03 (MBY) GOLDBERG, BURTON D, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N. Y. Molecular pathology of heritable disorders (human, mice).
- RO1AM-15653-03 (MET) JEFFERSON, LEONARD S, JR, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Regulation of skeletal metabolism (rats).
- RO1AM-15660-03 (PHY) DANIELSON, ROBERT A, UNIV HOSPITALS OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Renal control of the excretion of urea (rats, gerbils).
- RO1AM-15663-03 (PTHB) PIERCE, G BARRY, 4200 EAST NINTH AVENUE, DENVER, COLO. Basement membrane—Structure, function, pathology (mice).
- RO1AM-15664-03 (TMP) GAAPAR, SAYED M, DEPT OF VET MICROBIO PATH & PURDUE UNIVERSITY, LAFAYETTE, IND. Ectoparasitism—Immunological phenomena (dogs).
- RO1AM-15669-03 (RAD) TABACHNICK, JOSEPH, ALBERT EINSTEIN MEDICAL CENTER, YORK AND TABOR ROADS, PHILADELPHIA, PA. Cytokinetics of repair in beta-irradiated epidermis (guinea pigs).
- PO1AM-15671-04 (AMP) GLUMCHER, MELVIN J, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. The biology of skeletal and other connective tissues.
- PO1AM-15671-04 0001 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—High resolution electron probe microanalysis-calcification (mammals).
- PO1AM-15671-04 0002 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Nature of initial mineral deposits in bone (rats, chick embryo).
- PO1AM-15671-04 0006 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Homogeneous polypeptides containing O-phosphoserine (cattle).
- PO1AM-15671-04 0007 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Synthesis of phosphorylated polypeptides of enamel (rats).
- PO1AM-15671-04 0008 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Enamel proteins—chemistry and structure (cattle).
- PO1AM-15671-04 0011 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Crosslinks in bone collagen (chickens, rats).
- PO1AM-15671-04 0018 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Nature of peptides released from bone (chick embryo).
- PO1AM-15671-04 0025 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Microtubules and calcium transport (rats).
- PO1AM-15671-04 0028 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Structure and function of diarthrodial joints (cattle).
- PO1AM-15671-04 0022 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Joint transplantation (rabbits).
- PO1AM-15671-04 0034 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Electron microscopic studies on the mineral phase of calcification (mice).
- PO1AM-15671-04 0035 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Amino acid sequence of two phosphorylated polypeptides (cattle).
- PO1AM-15671-04 0006 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Charge and polarization storage in collagen and gelatin (rats).
- PO1AM-15671-04 0027 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Electret behavior of bound water in collagen and gelatin.
- PO1AM-15671-04 0038 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Isolation of alpha chains of collagen from epiphyseal cartilage.
- PO1AM-15671-04 0039 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Collagen production by WI 38 fibroblasts.
- PO1AM-15671-04 0040 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Connective tissue maturation analysis with 14 carbon-cyanide.
- PO1AM-15671-04 0041 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Reduction of aldimine type of intermolecular crosslinks of mineralized collagens.
- PO1AM-15671-04 0042 (AMP) GLUMCHER, MELVIN J. The biology of skeletal and other connective tissues—Lability of aldimine crosslinks on dissolution of chicken bone collagen.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01AM-15671-04 0043 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Dissolution of calf and chicken bone collagens in formic acid.
- P01AM-15671-04 0044 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Glycosylated in body-wall collagen of the sea cucumber.
- P01AM-15671-04 0043 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Connective tissue maturation analysis with cyanide.
- P01AM-15671-04 0046 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Continuous-flow analysis of radioactivity of collagen crosslinks (human).
- P01AM-15671-04 0047 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Biosynthesis of collagen crosslinks (chicks).
- P01AM-15671-04 0048 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Inhibition of mouse bone collagenase by lyszyme.
- P01AM-15671-04 0049 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Isolation of tissue collagenase from homogenates of embryonic chick bones.
- P01AM-15671-04 0050 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Morphological and cytochemical investigations on the osteoclast clear zone (mice).
- P01AM-15671-04 0051 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Resumption of longitudinal growth after distal femoral amputation (rats).
- P01AM-15671-04 0052 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Cytokinetics of normal epiphyseal plate cartilage (rats).
- P01AM-15671-04 0053 (AMP) GLIMCHER, MELVIN J. The biology of skeletal and other connective tissues-Calcified cartilage zones of adult articular cartilage (rabbits).
- R01AM-15672-02 (PHY) ROTHMAN, STEPHEN S, DEPT OF PHYSIOLOGY SCH OF MED, UNIV OF CAL, SAN FRANCISCO, SAN FRANCISCO, CALIF. Pancreatic secretion of salts and enzymes in vitro (rats, rabbits).
- R01AM-15680-03 (SOYA) MINGUY, RENE, GENESEE HOSPITAL, 224 ALEXANDER STREET, ROCHESTER, N. Y. Bacterial enzymes in gastritis complicating surgery (human, rabbits).
- R01AM-15681-03 (SOYA) SILEN, WILLIAM, 330 BROOKLINE AVENUE, BOSTON, MASS. Gastrointestinal mucosal barrier in health and surgical disease (dogs, rabbits).
- R01AM-15682-03 (BIO) FRUTON, JOSEPH S, YALE UNIVERSITY, 350 KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Specificity and mechanism of thyroid peroxidase (cattle).
- R01AM-15684-03 (MBC) HEATH, EDWARD C, UNIV OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Chemistry and metabolism of polysaccharides (human, mice, bacteria).
- R01AM-15705-03 (MCHB) ABBOTT, EDWIN H, HUNTER COLLEGE, 695 PARK AVENUE, NEW YORK, N. Y. The general intermediate for vitamin B6 catalysis.
- R01AM-15708-03 (BND) WARREN, JAMES C, WASHINGTON UNIV SCH OF MED, 660 S EUCLID, ST LOUIS, MO. Binding, biosynthesis and action of steroids (human).
- R01AM-15714-03 (ALY) MARCUS, ROBERT L, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Antigen-antibody complexes in rheumatoid arthritis (human, rabbits).
- R01AM-15725-03 (BBCB) OOSTERHUIS, WILLIAM T, CARNEGIE-MELLON UNIVERSITY, SCHENLEY PARK, PITTSBURGH, PA. Hyperfine interactions in iron proteins (human, mycobacteria, Euglena, beans).
- R01AM-15730-06 (HEM) JACOB, HARRY S, UNIVERSITY OF MINNESOTA, DEPT OF MEDICINE, MINNEAPOLIS, MINN. Abnormal blood cell membranes in disease (human).
- R01AM-15732-03 (C8Y) BROMLEY, STEPHEN C, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF ZOOLOGY, EAST LANSING, MICH. Role of wound epidermis in regeneration (amphibians).
- R01AM-15736-03 (SOYA) WARREN, W DEAN, EMORY UNIVERSITY, DEPT OF SURGERY, ATLANTA, GA. Physiology of operations for portal hypertension (human, dogs).
- R01AM-15739-03 (GMA) BRAVERMAN, IRWIN M, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Role of microcirculation in cutaneous disorders (human, rabbits, mice).
- R01AM-15740-03 (GMA) VOORHEES, JOHN J, UNIV OF MICHIGAN MED SCH, KRESGE MED RES BLDG, ANN ARBOR, MICH. Cell division control in normal and psoriatic skin.
- R01AM-15745-02 (PHY) LERNER, JOSEPH, UNIVERSITY OF MAINE, DEPT OF BIOCHEMISTRY, ORONO, MAINE. Amino acid transport systems in intestine (chickens).
- R01AM-15752-03 (HEM) ROSENBLUM, DANIEL, WASHINGTON UNIVERSITY, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Characteristics of leukocyte alkaline phosphatase (human).
- R01AM-15755-03 (PTHA) DUBOIS, EDMUND L, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Correlative prospective study of lupus nephropathy (human).
- R01AM-15756-03 (PTHA) PAULSON, DAVID F, DUKE UNIVERSITY MED CTR, P O BOX 2977, DURHAM, N. C. Biochemistry of normal and abnormal renal growth (mice).
- R01AM-15758-03 (RAD) OSBORNE, JAMES W, UNIVERSITY OF IOWA, RADIATION RES LAB, IOWA CITY, IOWA. Control of cell proliferation in the intestine (rats).
- R01AM-15761-03 (SOYB) LINDSETH, RICHARD E, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Metabolism of normal and abnormal physal cartilage (human, dogs).
- R01AM-15762-03 (SOYB) GREENLEE, THEODORE K, JR, UNIVERSITY OF WASHINGTON, DEPT OF ORTHOPEDICS, SEATTLE, WASH. Tendon regeneration and development (chickens, chick embryo, human).
- R01AM-15768-03 (ALY) WEST, CLARK D, CHILDREN'S HOSPITAL, ELLAND AVE AND BETHESDA, CINCINNATI, OHIO. Complement in glomerular ultrastructure in nephritis (human).
- R01AM-15770-06 (BIO) TAKETA, FUMITO, MEDICAL COLL OF WISCONSIN, 561 NORTH FIFTEENTH ST, MILWAUKEE, WIS. Structure and function of hemoglobin (cats).
- R01AM-15771-03 (CBY) WOLF, CARL F, NEW YORK BLOOD CENTER, 310 E 67TH ST, NEW YORK, N. Y. An extracorporeal device to perform liver functions (rats).
- R01AM-15772-03 (CMS) BERGSTROM, LAVONNE B, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Inner ear dysfunction in chronic renal diseases (human).
- R01AM-15776-01 (BND) GIBBS, FINLEY P, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Neural pathways involved with ACTH secretion (rats).
- R01AM-15773-03 (BND) ALEXANDER, NICHOLAS M, UNIVERSITY HOSPITAL, UCSD, 225 W DICKINSON ST, SAN DIEGO, CALIF. Iodine metabolism and tyrosine biosynthesis (cattle, rats).
- R01AM-15781-03 (GMB) HAUSSLER, MARK R, UNIVERSITY OF ARIZONA, DEPT OF BIOCHEMISTRY, TUCSON, ARIZ. Function of vitamin D metabolites and bone disease (human, dogs, chickens).
- R01AM-15782-03 (GMB) WILLIAMSON, HAROLD R, UNIVERSITY OF IOWA, DEPT OF PHARMACOLOGY, IOWA CITY, IOWA. Renal electrolyte actions of certain hormones (rats).
- R01AM-15787-01 (MET) STOLL, RALPH W, ROCHESTER GENERAL HOSPITAL, 1425 PORTLAND AVENUE, ROCHESTER, N. Y. Extra-pancreatic significance of proinsulin (swine).
- R01AM-15788-03 (MET) ALLEN, DONALD O, INDIANA UNIVERSITY SCH OF MED, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Mechanism of action of antihypertensive drugs (rats).
- R01AM-15791-02 (SOYA) METCOFF, JACK, UNIVERSITY OF OKLAHOMA, HLTH SCIS CTR, BOX 26901, OKLAHOMA CITY, OKLA. Preservation and regeneration of isolated kidneys (dogs).
- R01AM-15792-03 (SOYB) SHAMOS, MORRIS H, NEW YORK UNIVERSITY, 4 WASHINGTON PLACE, NEW YORK, N. Y. Electric enhancement of bone healing (human, rabbits).
- R01AM-15796-01 (GMA) HAMERMAN, DAVID J, MONTEFIORE HOSPITAL & MED CTR, 111 EAST 210TH STREET, BRONX, N. Y. Synovial cells and the etiology of rheumatoid arthritis (human, rabbits).
- R01AM-15800-03 (GMB) DIRKSEN, THOMAS R, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA. Metabolism of bone and bone cells (rats).
- R01AM-15802-02 (GMA) GRAY, GARY M, STANFORD UNIVERSITY, DIV OF GASTROENTEROLOGY, STANFORD, CALIF. Small intestinal oligopeptidases in digestion (human, rats).
- R01AM-15804-03 (MET) HOPPEL, CHARLES L, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Pathways and control of fatty acid oxidation (cattle, rats, human).
- R01AM-15806-03 (MET) KAGHUPATHY, BASWARAN, BRUCE LYON MEMORIAL RES LAB, 51ST AND GROVE STREETS, OAKLAND, CALIF. Hepatic regulatory mechanisms in diabetes (rats).
- R01AM-15807-02 (PHY) NEVILLE, MARGARET C, UNIVERSITY OF COLORADO, 4200 E 9TH AVENUE, DENVER, COLO. Mathematical models of membrane processes (frogs, ascites).
- R01AM-15809-03 (BND) JANOSKI, ALFONSO H, UNIV OF MARYLAND HOSPITAL, 22 S GREENE STREET, BALTIMORE, MD. Human adrenal steroids with natriuretic properties.
- R01AM-15810-03 (BND) GREEN, WILLIAM L, HARBORVIEW MEDICAL CENTER, 325 NINTH AVENUE, SEATTLE, WASH. Studies of thyroid hormone metabolism (human).
- R01AM-15811-03 (BND) PEAKE, ROBERT L, UNIVERSITY OF TEXAS, DEPT OF INTERNAL MEDICINE, GALVESTON, TEXAS. Thyroglobulin proteolysis and thyroid hormone release (human, rats).
- R01AM-15818-03 (HEM) LONG, WALTER R, UNIV OF TEXAS AT AUSTIN, DEPT OF ZOOLOGY, AUSTIN, TEX. Genetic enzyme variants uric acid and lipids (human).
- R01AM-15821-03 (SOYB) HOAGLUND, FRANKLIN T, UNIVERSITY OF VERMONT, BURLINGTON, VT. Clinical and biochemical findings in fat embolism (human).
- R01AM-15823-03 (MET) AUSTIC, RICHARD E, CORNELL UNIVERSITY, DEPT OF POULTRY SCIENCE, ITHACA, N. Y. Renal transport of uric acid in gout (chickens).
- R01AM-15826-02 (PC) MC MANUS, IVY R, UNIVERSITY OF PITTSBURGH, A746 CRABTREE HALL, PITTSBURGH, PA. Biological methylation of contractile proteins (chickens, myonocytes).
- R01AM-15832-03 (NTN) ANDERSON, HIELEN L, UNIVERSITY OF MISSOURI, 10 GWYNN HALL, COLUMBIA, MO. Role of dietary histidine in human nutrition.
- R01AM-15834-03 (MET) TYLER, JEAN M, MEDICAL COLLEGE OF GEORGIA, DEPT OF MEDICINE, AUGUSTA, GA. Autoonomic effects on glucagon and insulin secretion (ducks, dogs).
- R01AM-15836-03 (PC) BLOVSON, JOHN, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Control of lipogenesis in animals and microorganisms (rats, microorganisms).
- R01AM-15838-03 (PC) PUETT, J DAVID, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Structure and metabolism of pituitary hormones (human, cattle).
- R01AM-15843-03 (GMB) DI BONA, GERALD F, UNIVERSITY OF IOWA, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Role of the renal nerves in sodium retaining states (dogs).
- R01AM-15846-03 (BBCA) BAU, ROBERT, UNIV OF SOUTHERN CALIFORNIA, CHEMISTRY DEPARTMENT, LOS ANGELES, CALIF. Hydroxamate complexes and urate salts (bacteria).
- R01AM-15847-04 (NTN) LEVERLLE, GILBERT A, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Metabolic and enzymatic effects of meal feeding (rats).
- R01AM-15851-03 (M8Y) SIMON, FRANCIS R, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Liver plasma membrane protein turnover in cholestasis (rats).
- R01AM-15853-03 (MET) KAPLAN, SOLOMON A, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Receptor assay for insulin (human, swine, cattle).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1AM-15855-03 (NTN) ADIBI, SIAMAK A, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. Branched amino acid metabolism in altered nutrition (human, rats).
- RO1AM-15856-03 (NTN) YOUNG, VERNON R, MASS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Dietary protein intake and human protein metabolism.
- RO1AM-15857-03 (PC) STEGINK, LEWIS D, UNIVERSITY OF IOWA, DEPT OF PEDIATRICS, IOWA CITY, IOWA. Acetylated proteins in muscular dystrophy (mice, rabbits, chickens).
- RO1AM-15858-03 (PHY) SWANSON, CHARLES H, UNIVERSITY OF MINNESOTA, DEPT OF CHEMICAL ENGR, MINNEAPOLIS, MINN. Compartmental analysis of pancreatic ion secretion (rabbits).
- RO1AM-15861-03 (GMA) ADIBI, SIAMAK A, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. Intestinal transport of dipeptides in man.
- RO1AM-15866-03 (IAB) YOUNT, WILLIAM J, UNIVERSITY OF NORTH CAROLINA, DEPT OF MEDICINE, CHAPEL HILL, N C. Pathogenetic and etiologic studies of immune diseases (human).
- RO1AM-15867-03 (IAB) STRIKER, GARY E, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Immune response to renal homografts in humans.
- RO1AM-15876-03 (BBCB) APRIL, ERNEST W, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Myofilament lattice-Morphology and function (decapods).
- RO1AM-15878-02 (PHY) SACHS, GEORGE, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Enzymic basis of acid secretion (mammals).
- RO1AM-15883-03 (GMB) SULLIVAN, LAWRENCE P, UNIVERSITY OF KANSAS MED CTR, DEPARTMENT OF PHYSIOLOGY, KANSAS CITY, KANS. Effect of acid-base changes on renal K transport (frogs).
- RO1AM-15885-03 (HEM) TOBIN, ALLAN J, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Erythroid cell development and hemoglobin synthesis (chick embryo).
- RO1AM-15886-03 (GMA) COOKE, ALLAN R, UNIVERSITY OF IOWA, SCHOOL OF MEDICINE, IOWA CITY, IOWA. Gastric peristalsis, emptying and the mucosal barrier (dogs).
- RO1AM-15887-03 (GMA) THISTLE, JOHNSON L, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Human gallstones-Therapeutic trial with bile acids.
- RO1AM-15888-02 (GMB) DEFTOS, LEONARD J, UNIV OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Peptide hormones in calcium and skeletal metabolism.
- RO1AM-15889-03 (GMB) CORTELL, STANLEY, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Tubular control of acid-base balance (dogs).
- RO1AM-15892-03 (NTN) SCRIMSHAW, NEVIN S, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Plasma amino acids and human amino acid needs.
- RO1AM-15893-01 (PC) SHRAGO, EARL, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Regulation of lipid metabolism in human adipose tissue (human).
- RO1AM-15899-03 (BND) CONVEY, EDWARD M, MICHIGAN STATE UNIVERSITY, 230 ANTHONY HALL, EAST LANSING, MICH. Control of bovine serum prolactin concentration (cattle).
- RO1AM-15901-03 (BND) BLDERS, MINNIE J, UNIV OF ARK MED CENTER, 4301 WEST MARKHAM, LITTLE ROCK, ARK. The metabolic activity of thymic hormone (rats).
- RO1AM-15902-03 (BND) BECK, LYLE V, INDIANA UNIVERSITY, 306 MYERS HALL, BLOOMINGTON, IND. Perfusion study of anterior pituitary function (rats).
- RO1AM-15913-03 (HEM) NATHAN, DAVID G, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Biochemical approaches to sickle cell anemia (human, primates).
- RO1AM-15917-03 (MBY) LEE, JOHN C, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Hemoglobin production during animal development (chick embryo).
- RO1AM-15918-03 (MCHA) ROBINSON, CECIL H, JOHNS HOPKINS UNIV SCH OF MED, 725 N WOLFE STREET, BALTIMORE, MD. Selective inhibitors of steroid-transforming enzymes (mice, rats).
- RO1AM-15919-02 (MET) KHAIRALLAH, EDWARD A, UNIVERSITY OF CONNECTICUT, DEPT OF BIOCHEMISTRY U-125, STORRS, CONN. Starvation and regulation of protein degradation (rats).
- RO1AM-15926-02 (PHY) ROSE, RICHARD C, PENNSYLVANIA STATE UNIVERSITY, DEPT OF SURGERY, HERSHEY, PA. Ion transport by gastrointestinal epithelia (rabbits, human).
- RO1AM-15936-03 (PTH) SINGLETON, JOHN W, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Liver disease in Australia antigen positive donors (human).
- RO1AM-15951-03 (BND) COHN, DAVID V, VETERANS ADMINISTRATION HOSP, 4801 LINWOOD BLD, KANSAS CITY, MO. Calcium control of PTH and calcemic peptide biosynthesis (human, animals).
- RO1AM-15952-03 (GMA) KAYE, MICHAEL D, UNIVERSITY OF COLORADO MED CTR, 4200 E NINTH AVENUE, DENVER, COLO. Esophageal motility in health and certain diseases (human).
- RO1AM-15963-09 (BBCB) SZENT-GYORGYI, ANDREW G, BRANDeis UNIVERSITY, DEPARTMENT OF BIOLOGY, WALTHAM, MASS. Regulation in muscles (scallop, limulus, chicken, rabbits, mice).
- RO1AM-15964-03 (BBCB) RAMACHANDRAN, G N, INDIAN INST OF SCIENCE, BANGALORE 12 INDIA. Biopolymer chain conformations.
- RO1AM-15964-03 (GMB) MARSH, DONALD J, UNIV OF SOUTHERN CALIFORNIA, BIOMEDICAL ENGINEERING, LOS ANGELES, CALIF. Actions of antidiuretic hormone on the renal medulla (hamsters, rats).
- R22AM-15970-02 (SSS) KEUSCH, GERALD T, MOUNT SINAI SCHOOL OF MED, ATRAM 628 100TH & 5TH AVENUE, NEW YORK, N Y. Malnutrition and host defense-Leukocyte function (rats, human).
- RO1AM-15972-03 (PHY) SCHMIDT-NIELSEN, BODIL M, MT DESERT ISLAND BIOL LAB, SALSBURY COVE, MAINE. Excretory and osmoregulatory mechanics (reptiles, mammals, fish, amphibians).
- RO1AM-15973-03 (PHY) KINTNER, WILLIAM S, MT DESERT ISLAND BIOL LAB, SALSBURY COVE, MAINE. Physiology and morphology of cell transport (human, rats, mice, birds, fish).
- RO1AM-15977-03 (PHY) JACOBSON, EUGENE D, UNIVERSITY OF TEXAS, TEXAS MEDICAL CENTER, HOUSTON, TEX. Relationship between gastric secretion and blood flow (dogs).
- RO1AM-15970-06 (MBY) MC CULLY, KILMER S, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Control of specificity in protein synthesis (chick embryo, human, rodents).
- RO1AM-15979-01 (SSS) VOSE, GEORGE P, P O BOX 23546 TWU STATION, DENTON, TEX. Effect of oxymetholone, F, and P, on demineralized bone.
- RO1AM-15980-02 (SGYB) KELLY, PATRICK J, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN. Hemodynamic factors in fractures and bone disease.
- RO1AM-15980-02 0001 (SGYB) KELLY, PATRICK J. Hemodynamic factors in fractures and bone disease-Effect of increased venous pressure on fracture healing (dogs).
- RO1AM-15980-02 0002 (SGYB) KELLY, PATRICK J. Hemodynamic factors in fractures and bone disease-Blood flow in experimental fracture (dogs).
- RO1AM-15980-02 0003 (SGYB) KELLY, PATRICK J. Hemodynamic factors in fractures and bone disease-Bone blood flow in altered states of remodeling (dogs).
- RO1AM-15980-02 0004 (SGYB) KELLY, PATRICK J. Hemodynamic factors in fractures and bone disease-Marrow activity and diaphyseal blood flow (dogs).
- RO1AM-15980-02 0005 (SGYB) KELLY, PATRICK J. Hemodynamic factors in fractures and bone disease-Inhibition of transport of Ca 47 and Sr85 by lanthanum in canine cortical bone.
- RO1AM-15986-03 (SGYB) PESKIN, GERALD W, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Cirrhosis, ascites and the hepatic circulation.
- RO1AM-15986-03 0001 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Metabolic activity within liver cells (dogs).
- RO1AM-15986-03 0002 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Dumping syndrome (dogs).
- RO1AM-15986-03 0008 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Zollinger-Ellison syndrome (sheep, swine).
- RO1AM-15986-03 0004 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Stroma-free hemoglobin solution in shock (dogs).
- RO1AM-15986-03 0005 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Gastric back diffusion (dogs, frogs).
- RO1AM-15986-03 0006 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Neuroectodermal etiology of GI related endocrinopathies (mice).
- RO1AM-15986-03 0007 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Humoral similarities of endocrine tumor elaborations (human).
- RO1AM-15986-03 0008 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Calcium ion regulation of secretory activity of GI endocrine cells (frog).
- RO1AM-15986-03 0009 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Regulation of gastrin release from antrum (human, dogs).
- RO1AM-15986-03 0010 (SGYB) PESKIN, GERALD W. Cirrhosis, ascites and the hepatic circulation-Effect of vasoactive and hormone substances on oxyhemoglobin dynamics (human).
- RO1AM-15988-03 (MET) CORBIN, JACKIE D, VANDERBILT UNIV SCH OF MED, DEPT OF PHYSIOLOGY, NASHVILLE, TENN. Regulation of adipose tissue metabolism (rats).
- RO1AM-16002-02 (GMA) TEPLITZ, RAYMOND L, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. DNA repair mechanism in systemic lupus erythematosus (mice).
- RO1AM-16006-03 (END) STANBURY, JOHN B, MASS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Nutritional factors and SCN in thyroid development (rats).
- RO1AM-16008-02 (MET) BENSINCK, JOHN W, UNIVERSITY OF WASHINGTON, HEALTH SCIENCES BLDG, SEATTLE, WASH. Regulation of glucagon secretion in the primate (human, baboons, dogs).
- RO1AM-16009-03 (MET) HANSON, RICHARD W, TEMPLE UNIV SCHOOL OF MEDICINE, 3420 N BROAD STREET, PHILADELPHIA, PA. Regulation of gluconeogenesis in liver (guinea pigs, rats).
- RO1AM-16011-03 (SGYB) NAJARIAN, JOHN S, UNIVERSITY OF MINNESOTA, DEPT OF SURGERY, MINNEAPOLIS, MINN. Immunologic adaptation to human renal allografts (human).
- RO1AM-16013-03 (HEM) HUTTON, JOHN J, UNIVERSITY OF KENTUCKY, DEPT OF MEDICINE, LEXINGTON, KY. Enzyme regulation in the hemopoietic system (human).
- RO1AM-16014-03 (NTN) HARRIS, LORIN E, UTAH STATE UNIVERSITY, DEPT OF ANIMAL SCIENCE, LOGAN, UTAH. Comparative nutrient content, and utilization of food (human, laboratory animals).
- RO1AM-16019-03 (NTN) BROQUIST, HARRY P, VANDERBILT UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, NASHVILLE, TENN. Dietary lysine and carnitine formation.
- RO1AM-16028-03 (MBY) KUETTNER, KLAUS E, RUSH-PRESBY-ST LUKES MED CTR, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Interrelationship among cartilage matrix components (calf).
- RO1AM-16021-03 (GMA) SPIRO, HOWARD M, YALE SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Biophysical principles of peristaltic phenomena (rats, opossum).
- RO1AM-16024-03 (PHY) MANDEL, LAZARO J, DUKE UNIVERSITY MEDICAL CTR, DEPARTMENT OF PHYSIOLOGY, DURHAM, N C. Mechanisms of active and passive solute transport (frogs).
- RO1AM-16026-04 (RAD) BAUM, STANLEY, MASSACHUSETTS GENERAL HOSPITAL, DEPARTMENT OF RADIOLOGY, BOSTON, MASS. Angiographic diagnosis and control of GI bleeding (human, dogs).
- RO1AM-16029-01 (GMA) ROTHFIELD, NAOMI F, UNIVERSITY OF CONNECTICUT, 1280 ASYLUM AVENUE, HARTFORD, CONN. E-B virus antibodies in connective tissue diseases.
- RO1AM-16030-01 (GMA) EVANS, ALFRED S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. EBV and other viruses in connective tissue diseases.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1AM-16031-02 (SOYB) WHITE, AUGUSTUS A, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Quantitative biomechanical study of fracture repair (rabbits).	PO1AM-16120-03 0003 (AMP) AMSTUTZ, HARLAN C. Development of total joint replacements—Clinical program.
RO1AM-16038-03 (BIO) TSIBRIS, JOHN C, UNIVERSITY OF FLORIDA, DEPARTMENT OF BIOCHEMISTRY, GAINESVILLE, FLA. Structure, function and regulation of hydroxylases (bacteria, cattle).	RO1AM-16124-01 (HEM) PIROPSKY, BERNARD, UNIVERSITY OF OREGON MED SCH, 3181 SW SAM JACKSON PARK ROAD, PORTLAND, OREG. Selective erythrocyte repopulation (human, dogs).
RO1AM-16047-03 (SOYA) GILLENWATER, JAY Y, UNIVERSITY OF VIRGINIA, DEPT OF UROLOGY, CHARLOTTESVILLE, VA. Ureteral pathophysiology (dogs).	RO1AM-16125-03 (HEM) MC MILLAN, ROBERT, SCRIPPS CLINIC AND RES FDM, 476 PROSPECT STREET, LA JOLLA, CALIF. Pathogenesis of immune thrombocytopenia (human).
RO1AM-16049-01 (GMA) HAUMAN, ROBERT L, MEDICAL COLLEGE OF OHIO, P O BOX 6190, TOLEDO, OHIO. Role of enzymes in cholecystitis and cholelithiasis (rabbits).	RO1AM-16126-03 (HEM) JUST, JOHN J, UNIVERSITY OF KENTUCKY, DEPT OF ZOOLOGY, LEXINGTON, KY. Factors controlling expression of erythropoietic sites (bullfrogs).
RO1AM-16058-03 (SOYB) HEIPLE, KINGSBURY G, UNIV HOSPS OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Failure and repair of bone (cattle, dogs, human, rats).	RO1AM-16127-04 (PTHA) PRIEST, ROBERT E, EMORY UNIVERSITY, 783 WOODRUFF MEMORIAL BLDG, ATLANTA, GA. Pathologic synthesis of collagen (human, rats).
RO1AM-16059-16 (SSS) RUBIN, CYRUS E, UNIVERSITY OF WASHINGTON, DEPT OF MEDICINE, SEATTLE, WASH. Pathogenesis of human alimentary mucosal disease (human, rats).	RO1AM-16129-01 (MET) EXTON, JOHN H, DEPT OF PHYSIOLOGY, VANDERBILT UNIVERSITY, NASHVILLE, TENN. Hepatic metabolism in diabetes and obesity (mice).
RO1AM-16060-03 (CBY) GILFANT, SEYMOUR, MEDICAL COLLEGE OF GEORGIA, DEPT OF DERMATOLOGY, AUGUSTA, GA. Chemical, temperature, and wound induced epidermal mitosis (human, mice).	RO1AM-16132-03 (GMB) DOREMUS, ROBERT H, RENSSELAER POLYTECHNIC INST, MATERIALS DIVISION, TROY, N Y. Growth and agglomeration of calcium oxalate crystals.
RO1AM-16061-03 (GMB) PAK, CHARLES Y, UNIVERSITY OF TEXAS, DEPT OF INTERNAL MED, DALLAS, TEX. Theoretical and therapeutic aspects of calcification (human).	RO1AM-16138-03 (MBY) WILKIN, DAVID R, VETERANS ADMINISTRATION HOSP, 2500 OVERLOOK TERRACE, MADISON, WIS. Basement membranes (dogs).
RO1AM-16063-01 (MBY) FULLER, GEORGE C, UNIVERSITY OF RHODE ISLAND, COLLEGE OF PHARMACY, KINGSTON, R I. Collagen synthesis in connective tissue disease (tissue culture, rats).	RO1AM-16140-03 (ALY) TALAL, NORMAN, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Significance of anti-nucleic acid antibodies in lupus (human, mice).
RO1AM-16065-03 (SSS) LEWIS, URBAN J, SCRIPPS CLINIC & RES FDM, 476 PROSPECT STREET, LA JOLLA, CALIF. Primary structures of growth hormones and prolactins (human, vertebrates).	RO1AM-16141-03 (ALY) MORRIS, ALAN D, UNIVERSITY OF MISSOURI MED CTR, 807, COLUMBIA, MO. Protective mechanisms in NZB/NZW nephritis (mice, rats).
RO1AM-16067-03 (SOYB) MURRAY, DAVID G, STATE UNIVERSITY OF NEW YORK, 750 E ADAMS STREET, SYRACUSE, N Y. Hydrophilic methacrylates as self-locking implants (dogs, rabbits).	RO1AM-16143-02 (BBCB) CUSSLER, EDWARD L, JR, CARNEGIE-MELLON UNIV, SCHENLEY PARK, PITTSBURGH, PA. Rate processes affecting cholesterol gallstone formation.
RO1AM-16070-01 (PC) KUMAR, SURINDER, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N J. Mechanism of control of fatty acid synthesis (E coli, pigeons, rats).	RO1AM-16151-02 (PHRA) NEWCOMBE, DAVID S, UNIVERSITY OF VERMONT, DEPT OF MEDICINE, BURLINGTON, VT. Cyclic AMP in cartilage and synovial cell function (dogs).
RO1AM-16072-03 (PC) HUDSON, BILLY G, OKLAHOMA STATE UNIV, DEPT OF BIOCHEMISTRY, STILLWATER, OKLA. Carbohydrate structure of iron-transport proteins (swine, rabbits).	RO1AM-16153-03 (GMB) BOROWITZ, JOSEPH L, PURDUE UNIVERSITY, DEPT OF PHARMAC & TOXICOL, LAFAYETTE, IND. Mechanism of termination of calcium mediated secretion (cows).
RO1AM-16073-01 (PC) SMITH, STUART, CHILDREN'S HOSPITAL, 51ST AND GROVE STREETS, OAKLAND, CALIF. Structure and specificity of lipogenic enzymes.	RO1AM-16155-03 (END) CHOPRA, INDER J, UCLA SCHOOL OF MEDICINE, CENTER FOR HLTH SCIENCE, LOS ANGELES, CALIF. Thyroid gland physiology in health and disease (human).
RO1AM-16080-03 (GMB) CARTER, M KATHLEEN, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Renal dysfunction related to choline deficiency (rats).	RO1AM-16156-03 (END) SLEDGE, CLEMENT B, ROBERT BRECK BRIGHAM HOSPITAL, 125 PARKER HILL AVE, BOSTON, MASS 02120. Role of liver in the production of sulfation factor (human, rats).
RO1AM-16081-01 (GMB) OLDFHAM, SUSAN B, UNIV OF SO CALIF SCHOOL OF MED, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Parathyroid regulation and vitamin D activation.	RO1AM-16162-03 (MBY) LUKIENS, LEWIS M, WESLEYAN UNIVERSITY, DEPT OF BIOLOGY, MIDDLETOWN, CONN. Collagen synthesis and its regulation (chick embryo).
RO1AM-16082-03 (PHRA) WEBSTER, LESLIE T, JR, NORTHWESTERN UNIV MED SCH, 303 E CHICAGO AVENUE, CHICAGO, ILL. Pharmacology of salicylates and hepatic function (cattle, rabbits).	RO1AM-16166-01 (END) ROBINSON, ALAN G, UNIVERSITY OF PITTSBURGH, 930 SCAIFE HALL, PITTSBURGH, PA. The physiology of neurophysin secretion (human, animals).
RO1AM-16086-03 (PC) KUMAR, SOMA, GEORGETOWN UNIVERSITY, 37TH & O STS, N W, WASHINGTON, D C. Synthesis of fatty acids in mammalian tissue (rats, cattle).	RO1AM-16168-03 (END) NIALL, HUGH D, MASSACHUSETTS GENERAL HOSP, DEPARTMENT OF MEDICINE, BOSTON, MASS. Human prolactin, growth hormone, and placental lactogen (human, animals).
RO1AM-16088-01 (SOYA) ALEXANDER, J WESLEY, UNIVERSITY OF CINCINNATI, DEPARTMENT OF SURGERY, CINCINNATI, OHIO. Significance of intrarenal flow during preservation (dogs).	RO1AM-16171-03 (PTHA) HORST, ROY, UNIVERSITY OF VERMONT, DEPT OF ANATOMY, BURLINGTON, VT. Factors regulating glomerular development and function (rats).
RO1AM-16093-03 (GMA) MASSRY, SHAUH G, CEDARS-SINAI MEDICAL CENTER, 8720 BEVERLY BOULEVARD, LOS ANGELES, CALIF. Renal function after bile duct obstruction (human, dogs).	RO1AM-16172-01 (END) GALTON, VALERIE A, DEPARTMENT OF PHYSIOLOGY, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. The metabolism and action of thyroxine in the pituitary (rat).
RO1AM-16095-03 (HEM) SHOHET, STEPHEN B, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Membrane lipid metabolism in blood cells (human).	RO1AM-16173-01 (END) WILSON, LOWELL D, UNIVERSITY OF CALIFORNIA, DEPT OF INTERNAL MEDICINE, DAVIS, CALIF. The adrenal mitochondrial hydroxylating system (cattle).
RO1AM-16097-02 (NTR) MATHIAS, MELVIN M, COLORADO STATE UNIVERSITY, DEPT FOOD SCIENCE & NUTRITION, FORT COLLINS, COLO. Proinopogenic potential of polyunsaturated fat (human, rats).	RO1AM-16175-03 (GMB) GLICK, SEYMOUR M, CONEY ISLAND HOSPITAL, 2601 OCEAN PARKWAY, BROOKLYN, N Y. Secretion of vasopressin (human, dogs).
RO1AM-16101-03 (MCHB) TOBIAS, R STUART, PURDUE UNIVERSITY, DEPT OF CHEMISTRY, LAFAYETTE, IND. Methylation of and by metal complexes.	RO1AM-16177-03 (END) YOUNG, DONALD A, UNIV OF ROCHESTER SCH OF MED, DEPT OF MEDICINE, ROCHESTER, N Y. Mechanism of action of steroid hormones (rats).
RO1AM-16102-01 (MET) OWEN, OLIVER E, TEMPLE UNIVERSITY HOSPITAL, 3401 N BROAD STREET, PHILADELPHIA, PA. Regulation of ketoacid metabolism.	RO1AM-16183-03 (PTHB) REYNOLDS, EDWARD S, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVE, BOSTON, MASS. Detection of injury in cellular membrane systems (rats, human).
RO1AM-16102-01 0001 (MET) OWEN, OLIVER E. Regulation of ketoacid metabolism—Free fatty acids, acetoacetate and beta-hydroxybutyrate of muscle (rats, human).	RO1AM-16184-03 (SOYA) LAZARUS, HARRISON M, UNIVERSITY OF UTAH, DEPT OF SURGERY, SALT LAKE CITY, UTAH. Effects of organ storage on renal RNA metabolism (mice).
RO1AM-16102-01 0002 (MET) OWEN, OLIVER E. Regulation of ketoacid metabolism—Daily body balance of ketoacids (human).	RO1AM-16184-02 (SOYB) BORA, P WILLIAM, JR, UNIVERSITY OF PENNSYLVANIA, 36TH STREET & HAMILTON WALK, PHILADELPHIA, PA. Inhibition of scars in tendon and nerve injury.
RO1AM-16102-01 0003 (MET) OWEN, OLIVER E. Regulation of ketoacid metabolism—Hepatic ketoacid production (human).	RO1AM-16184-02 0001 (SOYB) BORA, FRANK W. Inhibition of scars in tendon and nerve injury—Tendon studies (rats).
RO1AM-16103-02 (GMA) BURICH, RAYMOND L, UNIV OF MISSOURI-KANSAS CITY, 650 EAST 25TH STREET, KANSAS CITY, MO. Effects of alkalosis on renal metabolism (rats, dogs).	RO1AM-16184-02 0002 (SOYB) BORA, FRANK W. Inhibition of scars in tendon and nerve injury—Nerve studies (rats).
RO1AM-16105-03 (GMB) DOUSA, THOMAS P, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINNESOTA. Cellular action of antidiuretic hormone in the kidney (rats, dogs).	RO1AM-16184-02 0003 (SOYB) BORA, FRANK W. Inhibition of scars in tendon and nerve injury—Inhibition of collagen synthesis by proline analogs (chick embryo, rats).
RO1AM-16110-03 (PTHB) MIYAI, KATSUMI, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF PATHOLOGY, LA JOLLA, CALIF. Bile acids and hepatic subcellular pathology (rats, hamsters, guinea pigs).	RO1AM-16188-03 (BBCA) WATERMAN, MICHAEL R, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Role of cysteine residues in hemoglobins A, F and S (human).
RO1AM-16116-01 (SOYB) MANN, ROBERT W, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Pressure distribution across human hip joint.	RO1AM-16194-03 (BIO) UYEDA, KOSAKU, Y A HOSPITAL, 4500 S LANCASTER RD, DALLAS, TEX. Structure and function of phosphofructokinase (rabbits, chickens, human).
RO1AM-16118-01 (SOYB) RADIN, ERIC L, MECHANICAL ENGINEERING DEPT, MASSACHUSETTS INST OF TECH, CAMBRIDGE, MASS. An investigation of joint degeneration.	RO1AM-16196-03 (HEM) DUNHAM, PHILIP B, SYRACUSE UNIVERSITY, 130 COLLEGE PLACE, SYRACUSE, N Y. Cation transport in erythrocytes (sheep, goats).
PO1AM-16120-03 (AMP) AMSTUTZ, HARLAN C, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Development of total joint replacements.	RO1AM-16198-01 (GMA) ZAIAS, NARDO, MT SINAI HOSP OF MIAMI, 4300 ALTON ROAD, MIAMI BEACH, FLA. Biology and pathophysiology of nail diseases (human, rats, monkeys).
PO1AM-16120-03 0001 (AMP) AMSTUTZ, HARLAN C. Development of total joint replacements—Mechanics of total joint replacement (human, rabbits).	RO1AM-16201-03 (GMA) JAVITT, NORMAN B, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N Y. Cholestatic liver disease (human, rats).
PO1AM-16120-03 0002 (AMP) AMSTUTZ, HARLAN C. Development of total joint replacements—The materials program (dogs, rabbits).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R22AM-16206-02 (SSS) PINEDA, OSCAR, INSTITUTO DE NUTRICION, DE CENTRO AMERICA Y, PANAMA, GUATEMALA, GUATEMAL. Malnutrition, infection, and human leukocyte metabolism.
- R01AM-16209-01 (UMB) JASIN, HUGO E, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Immune complexes in chronic inflammation (rabbits).
- R01AM-16213-03 (ALY) FUDENBERG, H HUGH, UNIVERSITY OF CALIFORNIA, SECT OF HEMAT & IMMUNOL0475HSW, SAN FRANCISCO, CALIF. Anti-collagen antibodies, Mm factors, and cAMP in RA.
- R01AM-16214-14 (BJO) STOWIE, BRUCE B, YALE UNIVERSITY, 946A KLINE, NEW HAVEN, CONNECTICUT. Metabolism and analysis of goiter-inducing iodoles (wood plant).
- R01AM-16216-03 (END) CUTRONRO, KENNETH R, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIOL, AUGUSTA, GA. Anti-inflammatory steroids and collagen synthesis (rats).
- R01AM-16217-02 (BXP) WALKIE, BARBARA C, UNIVERSITY OF WASHINGTON, REGIONAL PRIMATE RESEARCH CTR, SEATTLE, WASH. Obesity and the regulation of appetite (monkeys).
- R01AM-16220-03 (HEM) ROTHENBERG, SHELTON P, NEW YORK MEDICAL COLLEGE, 1249 5TH AVENUE, NEW YORK, N Y. Specific radioassays for folate analogues (human, rabbits, mice).
- R01AM-16224-03 (BJO) MANNING, JAMES M, ROCKEFELLER UNIVERSITY, YORK AVENUE & 66TH STREET, NEW YORK, N Y. Chemical basis of cyanate therapy in sickle cell anemia (human, animals).
- R01AM-16226-01 (PC) GELLER, DAVID M, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Mechanism and control of serum albumin biosynthesis (rats, human, cattle).
- R01AM-16233-03 (SSS) MOODY, FRANK G, UNIVERSITY OF UTAH, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Mechanism of gastric acid secretion (dogs).
- R01AM-16235-01 (BDC) MAZZES, RICHARD B, UNIVERSITY OF WISCONSIN, DEPT OF RADIOLOGY, MADISON, WIS. Bone and tissue growth in children.
- R01AM-16236-03 (PTHA) BULGER, RUTH E, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, RM 37, BALTIMORE, MD. Evolution of renal ultrastructure and function (rats).
- R01AM-16237-01 (AFY) HAINES, HOWARD, UNIVERSITY OF OKLAHOMA, DEPARTMENT OF ZOOLOGY, NORMAN, OKLA. Acclimation to water restriction (mice).
- R01AM-16244-07 (PHY) LEBRIE, STEPHEN J, MEDICAL BASIC SCIENCE BLDG, 333 WEST TENTH AVENUE, COLUMBUS, OHIO. Renal lymph and renal function (dogs).
- R01AM-16245-03 (SOYB) MULHOLLAND, STANFORD G, UNIVERSITY OF PENNSYLVANIA, 19TH & LOMBARD STREETS, PHILADELPHIA, PA. Urinary bladder antibacterial defense mechanisms (rats, human, rabbits).
- R01AM-16253-03 (BBCB) KRETSINGER, ROBERT M, UNIVERSITY OF VIRGINIA, DEPT OF BIOLOGY, CHARLOTTESVILLE, VA. Structure and function of troponin (carp, chicken).
- R01AM-16250-02 (GMA) DOBSON, RICHARD L, 50 HIGH STREET, BUFFALO, N Y. Mechanism of eccrine sweat gland function (human, cats, monkeys).
- R01AM-16259-01 (NTN) LYMAN, RICHARD L, DEPT OF NUTRITIONAL SCIENCES, UNIV OF CALIFORNIA, BERKELEY, CALIF. Protein, trypsin inhibitors and pancreatic secretion (rats).
- R01AM-16262-02 (GMA) FREDERBERG, IRWIN M, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Epidermal macromolecular metabolism.
- R01AM-16265-03 (GMA) MANKIN, HENRY J, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Nucleic acid and protein metabolism in normal and pathologic cartilage.
- R01AM-16268-03 (CBY) WEDEBN, RICHARD P, JERSEY CITY MEDICAL CENTER, BALDWIN AVENUE, JERSEY CITY, N J. Autoradiographic studies of concentrative transport (rats).
- R01AM-16267-03 (SOYB) RHINBLANDER, FREDERIC W, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Microcirculation and histology of healing bone (dogs).
- R01AM-16269-01 (ALY) WALKER, W ALLAN, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Intestinal uptake of macromolecules (rats).
- R01AM-16270-01 (SOYB) CAMPO, ROBERT D, TEMPLE UNIVERSITY, BROAD & ONTARIO STREETS, PHILADELPHIA, PA. Studies on endochondral growth.
- R01AM-16272-03 (HEM) LONDON, IRVING M, HARVARD-MASS INST OF TECH, M I T 16-512, CAMBRIDGE, MASS. Regulation of hemoglobin synthesis and hematopoiesis (rats, rabbits).
- R01AM-16275-02 (PHY) SCHULTZ, STANLEY G, UNIVERSITY OF PITTSBURGH, DEPT OF PHYSIOLOGY, PITTSBURGH, PA. Ion transport by mammalian small intestine (rabbits).
- R01AM-16277-01 (PTHA) GUTMANN, FRANK D, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Unilaterally disease dog kidney models (also rats, human).
- R01AM-16280-02 (GMA) COHEN, SIDNEY, HOSP OF UNIV OF PENNSYLVANIA, 572 MALONEY BUILDING, PHILADELPHIA, PA. Physiologic characteristics of the pyloric sphincter (human).
- R01AM-16281-02 (AMP) BRICKER, NEAL S, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Uremia-pathogenesis, effects, and possible prevention.
- R01AM-16281-02 0001 (AMP) SCHMIDT, R WILLIAM. Uremia-pathogenesis, effects, and possible prevention—Patterns of sodium excretion with proportional reduction of sodium (dogs).
- R01AM-16281-02 0002 (AMP) BOURGOIGNIE, JACQUES. Uremia-pathogenesis, effects, and possible prevention—Natriuretic serum factor in adapted vs unadapted dogs.
- R01AM-16281-02 0003 (AMP) SCHMIDT, R WILLIAM. Uremia-pathogenesis, effects, and possible prevention—Effects on concentrating ability (dogs).
- R01AM-16281-02 0004 (AMP) SCHMIDT, R WILLIAM. Uremia-pathogenesis, effects, and possible prevention—Excretion pattern for solutes other than sodium (dogs).
- R01AM-16281-02 0005 (AMP) WEINSTEIN, EDWARD. Uremia-pathogenesis, effects, and possible prevention—Sodium control system (human).
- R01AM-16281-02 0006 (AMP) BLAUFOX, M DONALD. Uremia-pathogenesis, effects, and possible prevention—Role of physical factors in sodium control (dogs, rats).
- P01AM-16281-02 0007 (AMP) WEBER, HERBERT. Uremia-pathogenesis, effects, and possible prevention—Natriuretic factor in uremic serum (rabbits, frogs, rats, dogs).
- P01AM-16281-02 0008 (AMP) WEBER, HERBERT. Uremia-pathogenesis, effects, and possible prevention—The natriuretic factor—Chemical identification (human).
- P01AM-16281-02 0009 (AMP) WEINSTEIN, EDWARD. Uremia-pathogenesis, effects, and possible prevention—Prevention of secondary hyperparathyroidism (human).
- P01AM-16281-02 0010 (AMP) SCHMIDT, R WILLIAM. Uremia-pathogenesis, effects, and possible prevention—Sensitivity of phosphorus control in advancing renal disease (rats, dogs).
- P01AM-16281-02 0011 (AMP) BOURGOIGNIE, JACQUES. Uremia-pathogenesis, effects, and possible prevention—Potassium control system (rats).
- P01AM-16281-02 0012 (AMP) WEBER, HERBERT. Uremia-pathogenesis, effects, and possible prevention—Micropuncture studies (rats, dogs).
- P01AM-16281-02 0013 (AMP) BRICKER, NEAL S. Uremia-pathogenesis, effects, and possible prevention—Proportional reduction of sodium, protein and specific amino acids.
- P01AM-16281-02 0014 (AMP) COHEN, BURTON. Uremia-pathogenesis, effects, and possible prevention—Guanidines in uremic patients (human).
- P01AM-16281-02 0015 (AMP) EDELMANN, CHESTER M. Uremia-pathogenesis, effects, and possible prevention—Response of developing kidney to renal parenchymal loss.
- P01AM-16281-02 0016 (AMP) ARIAS, IRWIN M. Uremia-pathogenesis, effects, and possible prevention—Effect on structure and function of hepatic endoplasmic reticulum (rats, dogs).
- P01AM-16281-02 0017 (AMP) ARIAS, IRWIN M. Uremia-pathogenesis, effects, and possible prevention—Effect on structure and function of hepatic endoplasmic reticulum in man.
- P01AM-16281-02 0018 (AMP) ARIAS, IRWIN M. Uremia-pathogenesis, effects, and possible prevention—Studies of Y protein in the kidney (rats).
- R01AM-16282-02 (END) HADLEY, MAAC E, UNIVERSITY OF ARIZONA, DEPT OF BIOLOGICAL SCIS, TUCSON, ARIZ. Hypothalamic regulation of pars intermedia function (animals).
- R01AM-16287-02 (GMA) MC SHERRY, CHARLES K, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Bile salt administration for biliary calculi (baboons).
- R01AM-16293-01 (AFY) LITTLE, ROBERT W, MICHIGAN STATE UNIVERSITY, COLLEGE OF ENGINEERING, EAST LANSING, MICH. Constitutive equations for soft tissues (rats).
- R01AM-16294-02 (PHY) DANZLER, WILLIAM M, UNIVERSITY OF ARIZONA, DEPT OF PHYSIOLOGY, TUCSON, ARIZ. Regulation of individual nephron filtration rates (birds).
- R01AM-16302-02 (PTHA) POST, ROBERT S, CASE WESTERN RESERVE UNIV, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Protein reabsorption and excretion (rats).
- R01AM-16305-02 (GMA) WEISBRODT, NORMAN W, TEXAS MEDICAL CENTER, 6400 WEST CULLEN ST, HOUSTON, TEX. Control of esophageal peristalsis (opossum).
- R01AM-16312-01 (SOYA) SCHOENBERG, HARRY W, SUITE W-310, 3400 SPRUCE STREET, PHILADELPHIA, PA. Methods of managing the neurogenic bladder (mammals).
- R01AM-16315-19 (PHY) CARLSON, FRANCIS D, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Muscular contraction (rats, frogs).
- R01AM-16317-01 (END) NICOLIS, GIORGIO L, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Hormonal steroids in human adrenal venous blood (human).
- R01AM-16319-01 (END) VENEZIALE, CARLO M, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Stimulation of gluconeogenesis from some trioses by glucagon (rats).
- R01AM-16326-02 (GMA) ANDERSON, BYRON E, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Rheumatoid arthritis.
- R01AM-16327-02 (GMB) MAFFLY, ROY H, STANFORD UNIVERSITY, 3801 MIRANDA AVE, PALO ALTO, CALIF. Microtubules and filaments in action of vasopressin (frogs).
- R01AM-16330-02 (MET) NICHOLS, WILLIAM K, UNIVERSITY OF UTAH, DEPT OF BIOPHARM SCIS, SALT LAKE CITY, UTAH. Hormonal regulation of leukocyte metabolism (rats, rabbits).
- R01AM-16342-01 (END) PENNOS, JUAN C, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C. Pituitary and adrenals in glucagon release and activity (rats, dogs).
- R01AM-16346-02 (MET) CHLOUBRAKIS, CONSTANTINE, S U N Y-CLINICAL CENTER, 462 GRIDER STREET, BUFFALO, N Y. A family approach to the study of human obesity.
- R01AM-16348-01 (MET) BODINI, GUENTHER, TEMPLE UNIV HOSP, 3401 N BROAD STREET, PHILADELPHIA, PA. Influence of endogenous secretin on insulin regulation.
- R01AM-16350-02 (NTN) SHIRATORI, TATSUJI, HOSP FOR JOINT DIS & MED CTR, 1919 MADISON AVENUE, NEW YORK, N Y. Vitamin E metabolism in skin (rats).
- R01AM-16352-01 (GMB) MASSRY, SHAUL G, CEDAR-SINAI MEDICAL CENTER, 8720 BEVERLY BOULEVARD, LOS ANGELES, CALIF. Catecholamines, ADH, and water metabolism (rats).
- R01AM-16356-02 (MET) MORTIMORE, GLENN E, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Regulation of protein turnover in liver (rats).
- R01AM-16363-01 (PC) VAN LENTEN, LIE, GEORGETOWN UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, WASHINGTON, D C. Liver plasma binding of serum glycoproteins.
- R01AM-16366-01 (BJO) SENIOR, ALAN E, UNIVERSITY OF ROCHESTER, DEPARTMENT OF BIOCHEMISTRY, ROCHESTER, N Y. Binding sites on the mitochondrial ATPase (cattle).
- R01AM-16367-01 (PC) APPELMAAN, M MICHAEL, UNIV OF SOUTHERN CALIFORNIA, DEPT OF BIOLOGICAL SCIENCES, LOS ANGELES, CALIF. Cyclic nucleotide phosphodiesterase (rat liver).
- R01AM-16371-01 (MET) CARTER, JAMES R, JR, PRESBY-UNIV OF PENN MEDICAL CT, 51 N 39TH STREET, PHILADELPHIA, PA. Mechanism of action of insulin.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1AM-16383-01 (GMB) PARTIN, JOHN C, CHILDREN'S HOSP RESEARCH FDN, ELLAND AND BETHESDA AVENUE, CINCINNATI, OHIO. Microvillus dense bodies—Role in calcium absorption (rats).

RO1AM-16385-01 (MET) LYNN, WILLIAM S, DUKE UNIVERSITY, DEPT OF BIOCHEMISTRY, DURHAM, N C. Insulin action on the fat cell plasma membrane (rats).

RO1AM-16386-02 (PHY) DIETSCHY, JOHN M, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Mechanisms of fat and steroid absorption by gut (mammals).

RO1AM-16391-02 (SOYB) SIMMONS, DAVID J, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST. LOUIS, MO. Diurnal variations in cartilage and bone growth (rats).

PO1AM-16392-02 (AMP) MC CLUSKEY, ROBERT T, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Immunologic mechanisms in renal disease in childhood.

PO1AM-16392-02 0001 (AMP) LEBER, PAUL D. Immunologic mechanisms in renal disease in childhood—Identification of antigens in immune complex nephritis (human, rabbits, goats).

PO1AM-16392-02 0002 (AMP) LEBER, PAUL D. Immunologic mechanisms in renal disease in childhood—Glomerular deposition of immune complexes and their localization (rats, rabbits).

PO1AM-16392-02 0003 (AMP) SCHNEEBERGER, EVELINE E. Immunologic mechanisms in renal disease in childhood—Electron microscopy of glomerular permeability (rats, rabbits).

PO1AM-16392-02 0004 (AMP) MCCLUSKEY, ROBERT T. Immunologic mechanisms in renal disease in childhood—Pathogenesis of the idiopathic nephrotic syndrome in childhood (human).

PO1AM-16392-02 0005 (AMP) UNANUE, EMIL R. Immunologic mechanisms in renal disease in childhood—Immune mechanisms in interstitial and tubular renal disease (human, guinea pigs).

PO1AM-16392-02 0006 (AMP) MCCLUSKEY, ROBERT T. Immunologic mechanisms in renal disease in childhood—The nature of mononuclear cells participating in cell mediated reactions (rats).

PO1AM-16392-02 0007 (AMP) ROSEN, FRED S. Immunologic mechanisms in renal disease in childhood—Complement in renal disease (human, rabbits, chimpanzees, monkeys).

PO1AM-16392-02 0008 (AMP) LEVEY, RAPHAEL H. Immunologic mechanisms in renal disease in childhood—Immunological tolerance (rats, mice).

PO1AM-16392-02 0009 (AMP) LEVEY, RAPHAEL H. Immunologic mechanisms in renal disease in childhood—Antilymphocyte serum and immunology of renal allograft (human, rabbits, rodents).

RO1AM-16398-01 (PTMB) PARTIN, JOHN C, CHILDREN'S HOSP RESEARCH FDN, ELLAND AND BETHESDA AVENUE, CINCINNATI, OHIO. Lipid composition of cultured human skin fibroblasts (children, adults).

RO1AM-16404-01 (GMA) NIMMI, MARCEL B, UNIVERSITY OF SOUTHERN CALIF, 1410 BIGGY ST, OCD-130, LOS ANGELES, CALIF. Collagen in osteoarthritic cartilage.

RO1AM-16408-01 (GMB) BRONNER, FELIX, UNIVERSITY OF CONNECTICUT, HEALTH CENTER, FARMINGTON, CONN. Calcium binding protein of kidney (rats).

RO1AM-16409-01 (GMB) BRADLEY, STANLEY E, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Intrarenal heterogeneities in short-nephron disorder (human, rats, dogs).

RO1AM-16412-01 (MCHB) SCHUGAR, HARVEY J, RUTGERS UNIVERSITY, SCHOOL OF CHEMISTRY, NEW BRUNSWICK, N J. Bioinorganic and medical aspects of Cu-cystinates.

RO1AM-16417-01 (BBCA) CAMERMAN, ARTHUR, UNIVERSITY OF WASHINGTON, DIVISION OF NEUROLOGY RG-20, SEATTLE, WASH. Stereochemistry of thyroid hormones and analogues.

RO1AM-16420-01 (END) DRATMAN, MARY B, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Adrenergic pharmacology and thyroxin metabolism (mammals).

RO1AM-16421-01 (GMA) JONES, RAYFORD S, DUKE UNIVERSITY, DURHAM, N C. Control of ductular and canalicular bile production (dogs).

RO1AM-16424-01 (GMB) SIEGEL, ROBERT C, UNIVERSITY OF CALIFORNIA, THIRD AND PARNASSUS, SAN FRANCISCO, CALIF. Lysyl oxidase mediated collagen cross-linking.

RO1AM-16431-02 (SOYB) DELANEY, JOHN P, UNIVERSITY OF MINNESOTA HOSPS, DEPARTMENT OF SURGERY, MINNEAPOLIS, MINN. Gastritis induced by intestinal juices.

RO1AM-16431-02 0001 (SOYB) DELANEY, JOHN P. Gastritis induced by intestinal juices—Effects of intestinal juices on whole stomach preparations (dogs).

RO1AM-16431-02 0002 (SOYB) DELANEY, JOHN P. Gastritis induced by intestinal juices—Effects of exposure of antrum to intestinal contents (dogs).

RO1AM-16431-02 0003 (SOYB) DELANEY, JOHN P. Gastritis induced by intestinal juices—Duodenal gastric regurgitation (dogs, human).

RO1AM-16435-01 (GMB) WBN, SUNG-PENG, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Phosphate transport in remnant kidney of the dog.

RO1AM-16436-01 (HBM) VINCENZI, FRANK F, UNIVERSITY OF WASHINGTON, COLL OF PHARMACY BG-20, SEATTLE, WASH. Red blood cell calcium in health and disease (human).

RO1AM-16437-01 (PC) BRUSH, JAMES S, VETERANS ADMINISTRATION HOSP, 1030 JEFFERSON STREET, MEMPHIS, TENN. Insulin protease—Purification, mechanism, inhibition.

RO1AM-16440-01 (PTMA) BURKHOLDER, PETER M, UNIVERSITY OF WISCONSIN, 470 NORTH CHARTER STREET, MADISON, WIS. Cellular synthesis of complement components (guinea pigs, human).

RO1AM-16441-08 (GMA) FRENKEL, RUTH K, NORTHWESTERN UNIV MED SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Intermediate metabolism in epidermal differentiation.

RO1AM-16445-01 (BBCB) MURPHY, ALEXANDER J, UNIVERSITY OF THE PACIFIC, 2155 WEBSTER STREET, SAN FRANCISCO, CALIF. Active sites of contractile proteins.

RO1AM-16446-02 (BBCB) LOVE, WARNER E, JOHNS HOPKINS UNIVERSITY, 34TH & CHARLES STREETS, BALTIMORE, MD. X-ray crystal structure of sickle cell hemoglobin.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1AM-16447-01 (BBCB) NATH, AMAR, DREXEL UNIVERSITY, 32 & CHESTNUT STREETS, PHILADELPHIA, PA. Mossbauer studies of vitamin B12 and its coenzyme.

RO1AM-16449-01 (GMB) NAWROT, CHARLES F, UNIVERSITY OF WISCONSIN, DEPARTMENT OF CHEMISTRY, EAU CLAIRE, WIS. Nucleation of calcification by hard tissue collagen.

RO1AM-16452-01 (HBM) CROSBY, WILLIAM M, SCRIPPS CLINIC & RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Control and disorder of iron metabolism (human).

RO1AM-16453-02 (MET) GLICKMAN, ROBERT M, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Chylomicrons-formation, structure and function.

RO1AM-16457-01 (PC) LIBERTI, JOSEPH P, DEPT OF BIOCHEMISTRY, VIRGINIA COMMONWEALTH UNIV, RICHMOND, VA. Purification and biochemistry of sulfation factor.

RO1AM-16461-01 (SOYB) HOAGLUND, FRANKLIN T, UNIVERSITY OF VERMONT, BURLINGTON, VT. Prevention of secondary osteoarthritis of the hip (human).

RO1AM-16464-02 (BIO) BENKOVIC, STEPHEN J, PENNSYLVANIA STATE UNIVERSITY, DEPT OF CHEMISTRY, UNIVERSITY PARK, PA. Anomeric specificity in glycolytic metabolism (mammals, yeast).

RO1AM-16466-01 (MBY) STOCKDALE, FRANK E, STANFORD UNIVERSITY, ROOM S025, STANFORD, CALIF. Cell differentiation (chick embryo).

RO1AM-16475-01 (SOYB) COLBERT, CHARLES, WRIGHT STATE UNIV RES INST INC, RADIOLOGICAL RESEARCH LAB, DAYTON, OHIO. System for assessing skeletal health from radiographs.

RO1AM-16478-02 (GMA) EPSTEIN, ERVIN M, JR, SAN FRANCISCO GENERAL HOSPITAL, POTRERO ST, ROOM 269, BLDG 100, SAN FRANCISCO, CALIF. Molecular heterogeneity of human skin collagen.

RO1AM-16483-01 (PHY) WINTER, CHARLES G, UNIVERSITY OF ARKANSAS, 4301 W MARKHAM STREET, LITTLE ROCK, ARK. Purification of active fragments of the sodium pump.

RO1AM-16484-05 (MET) SHEMIN, DAVID, NORTHWESTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, EVANSTON, ILL. Porphyria—Metabolic basis (Rhodospseudomonas spheroides, mammals).

RO1AM-16485-03 (SOYB) GALANTE, JORGE O, RUSH MEDICAL COLLEGE, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Surgical replacement of hip joint (dogs, rabbits, monkeys, human, rats).

RO1AM-16488-02 (GMA) HUBEL, KENNETH A, UNIVERSITY HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Autonomic neural control of intestinal contractility (rats, rabbits).

RO1AM-16489-02 (SOYB) ZUKOSKI, CHARLES F, UNIVERSITY OF ARIZONA, DEPARTMENT OF SURGERY, TUCSON, ARIZ. Control of tissue rejection by zinc.

RO1AM-16489-02 0008 (SOYB) ZUKOSKI, CHARLES F. Control of tissue rejection by zinc—Zinc and lipid peroxidation (rats).

RO1AM-16489-02 0009 (SOYB) ZUKOSKI, CHARLES F. Control of tissue rejection by zinc—Zinc and biomembranes (rabbits, dogs).

RO1AM-16489-02 0010 (SOYB) ZUKOSKI, CHARLES F. Control of tissue rejection by zinc—Effect of zinc on cells (mice).

RO1AM-16489-02 0011 (SOYB) ZUKOSKI, CHARLES F. Control of tissue rejection by zinc—Interaction of zinc with other metals (chick embryo, rats, dogs).

RO1AM-16489-02 0012 (SOYB) ZUKOSKI, CHARLES F. Control of tissue rejection by zinc—Effect of zinc on complement hemolysis of sheep red blood cells.

RO1AM-16497-02 (SSS) INGBAR, SIDNEY H, VETERANS ADMIN HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Normal and disordered thyroid hormone economy.

RO1AM-16497-02 0001 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Physiological abnormalities in neonatal thyrotoxicosis (rats).

RO1AM-16497-02 0002 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Late effects of neonatal treatment with TRH (rats).

RO1AM-16497-02 0003 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—TSH reserve during and following thyroid therapy (human).

RO1AM-16497-02 0004 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Studies with chromium labeled TSH (rats, cattle, human).

RO1AM-16497-02 0005 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Cyclic nucleotide metabolism during thyroidal autoregulation (rats).

RO1AM-16497-02 0006 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Effects of iodine on hormonal release (rats).

RO1AM-16497-02 0007 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Wolff-Chaikoff effect and iodine autoregulation (rats).

RO1AM-16497-02 0008 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Thyroidal iodine metabolism and thyroglobulin maturation (rats).

RO1AM-16497-02 0009 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Interaction of iodine with antithyroid agents (rats).

RO1AM-16497-02 0010 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Effects of iodine in patients with restricted thyroid tissue.

RO1AM-16497-02 0011 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Assessing T4-binding affinity to TBG (human).

RO1AM-16497-02 0012 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Thyroxine binding abnormalities in analbuminemia (human).

RO1AM-16497-02 0013 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Thyroxine release in thyroidal suppression and influence of increased TBG (human).

RO1AM-16497-02 0014 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Thyroid hormone metabolism in heroin addicts.

RO1AM-16497-02 0015 (SSS) INGBAR, SIDNEY H. Normal and disordered thyroid hormone economy—Thyroid hormone metabolism in experimental porphyria (monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AM-16497-02 0016 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Cellular proteins that bind thyroid hormones (human, rats).
- RO1AM-16497-02 0017 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Measurement of triiodothyronine by displacement assay (rats, human).
- RO1AM-16497-02 0018 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Thyroid hormone metabolism by peripheral leukocytes (human, *Lactobacillus*).
- RO1AM-16497-02 0019 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Effects of propylthiouracil on TRH responsiveness in man.
- RO1AM-16497-02 0020 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Effects of propylthiouracil on TRH responsiveness in the rat.
- RO1AM-16497-02 0021 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Relation between deiodination of T₄ and its action in pituitary tissue (rats).
- RO1AM-16497-02 0022 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Peripheral conversion of T₄ to T₃ in man.
- RO1AM-16497-02 0023 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Tetraiodothyroacetic acid in serum of normal and disease states (human).
- RO1AM-16497-02 0024 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Natural history of the toxic diffuse goiter in graves' disease (human).
- RO1AM-16497-02 0025 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Peripheral turnover of T₄ in adult rats made thyrotoxic during neonatal period.
- RO1AM-16497-02 0026 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Diurnal variation in TSH secretion and 'iodine leak' in goiter (human).
- RO1AM-16497-02 0027 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Thyroid hormone economy in molar pregnancy (Japan).
- RO1AM-16497-02 0028 (SSS) INGRAR, SIDNEY H. Normal and disordered thyroid hormone economy—Chronic iodide administration in patients with cystic fibrosis.
- RO1AM-16501-03 (HEM) CROSBY, WILLIAM H, SCRIPPS CLINIC & RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Bone marrow injury and repair (rabbits, rats).
- RO1AM-16502-03 (GMB) SAMPSON, H WAYNE, BAYLOR DENTAL COLLEGE, 800 HALL STREET, DALLAS, TEX. Mineral transport in tooth and soft tissues (rats).
- RO1AM-16505-02 (GMA) JOHNSON, LEONARD R, UNIVERSITY OF TEXAS, FREEMAN BUILDING 229, HOUSTON, TEX. GI hormones—Effect on growth and metabolism of GI mucosa (human, rats).
- RO1AM-16506-02 (PC) KANG, ANDREW H, VETERANS ADMINISTRATION HOSP, 1030 JEFFERSON AVENUE, MEMPHIS, TENN. Chemistry and biology of normal and abnormal collagens (human).
- RO1AM-16507-02 (NTN) EISENSTEIN, ALBERT B, BETH ISRAEL MEDICAL CENTER, 10 NATHAN D PERLMAN PLACE, NEW YORK, N. Y. Dietary effects on carbohydrate metabolism (rats).
- RO1AM-16508-02 (BBCA) GOUTERMAN, MARTIN, UNIVERSITY OF WASHINGTON, DEPARTMENT OF CHEMISTRY, SEATTLE, WASH. Analog systems for biological porphyrins.
- RO1AM-16510-03 (END) LEBMAN, SUSAN E, LAB-HUMAN REPROD & REPROD BIOL, 45 SHATTUCK STREET, BOSTON, MASS. Purification, function of hypothalamic poly peptides (human, cats, rats).
- RO1AM-16514-02 (SGYB) JURIST, JOHN M, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Longitudinal study of skeletal status in women.
- RO1AM-16516-03 (AMP) PROCKOP, DARWIN J, COLL OF MED & DENTISTRY O N J, RUTGERS MEDICAL SCHOOL, PISCATAWAY, N. J. Biochemistry of normal and diseased connective tissue.
- RO1AM-16516-03 0001 (AMP) PROCKOP, DARWIN J. Biochemistry of normal and diseased connective tissue—Enzymic steps in collagen biosynthesis.
- RO1AM-16516-03 0002 (AMP) PROCKOP, DARWIN J. Biochemistry of normal and diseased connective tissue—Synthetic peptides as models for collagen.
- RO1AM-16516-03 0003 (AMP) PROCKOP, DARWIN J. Biochemistry of normal and diseased connective tissue—Electron microscopy of enzymes and related macromolecules in collagen biosynthesis.
- RO1AM-16516-03 0004 (AMP) PROCKOP, DARWIN J. Biochemistry of normal and diseased connective tissue—Subcellular structures involved in collagen biosynthesis (chickens).
- RO1AM-16516-03 0005 (AMP) PROCKOP, DARWIN J. Biochemistry of normal and diseased connective tissue—Synthesis and secretion of collagen by matrix-free cells (chick embryo).
- RO1AM-16516-03 0006 (AMP) PROCKOP, DARWIN J. Biochemistry of normal and diseased connective tissue—Scleroderma and related conditions (human).
- RO1AM-16520-03 (SGYA) LANDOR, JOHN H, RUTGERS MEDICAL SCHOOL, P O BOX 101, PISCATAWAY, N. J. Inhibition of gastric secretion by fat (dogs).
- RO1AM-16522-10 (IMB) AL-ASKARI, SALAH, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Characterization of homograft reactions (mice, guinea pigs).
- RO1AM-16528-03 (PHY) COSTANTIN, LEROY L, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. The activation mechanism of skeletal muscle (frogs).
- RO1AM-16529-01 (END) LOUIS, LAWRENCE H, UNIVERSITY OF MICHIGAN MED CTR, UNIVERSITY HOSP (S-3454), ANN ARBOR, MICH. New diabetogenic peptide from human pituitary glands (human, rabbits and rats).
- RO1AM-16530-03 (NTN) SIDRANSKY, HERSCHEL, UNIVERSITY OF SOUTH FLORIDA, 4202 EAST FOWLER AVENUE, TAMPA, FLA. Chemical pathology of amino acid deficiencies (rats).
- RO1AM-16532-02 (BBCB) BOTHNER-BY, AKSEL A, MELLON INSTITUTE OF SCIENCE, 4400 FIFTH AVENUE, PITTSBURGH, PA. Nuclear Overhauser effect in biomolecular complexes.
- RO1AM-16534-02 (MET) WRIGHT, PETER H, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Insulin metabolism in immune and non-immune subjects (human, animals).
- RO1AM-16537-01 (MBY) BUDD, GREGORY C, MEDICAL COLLEGE OF OHIO, DEPARTMENT OF PHYSIOLOGY, TOLEDO, OHIO. Fluorophosphate-sensitive esterases in the liver (mice, human).
- RO1AM-16539-02 (GMB) MENDOZA, STANLEY A, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Regulation of phosphate transport in toad bladder.
- RO1AM-16549-01 (GMA) SOLOWAY, ROGER D, HOSP OF UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Sickle cell disease—Gallstones and liver dysfunction (human).
- RO1AM-16550-01 (GMB) FEINBLATT, JOEL D, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Secretion of calcitonin (organ culture).
- RO1AM-16551-03 (MET) HORN BROOK, KENT R, UNIVERSITY OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OKLA. Drug and hormone effects on carbohydrate metabolism (rats).
- RO1AM-16552-01 (PHRA) COOKE, WILLIAM J, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Hepatic excretion of anionic drugs.
- RO1AM-16554-02 (BIO) WRIGHT, LEMUEL D, CORNELL UNIVERSITY, 308 SAVAGE HALL, ITHACA, N. Y. Pantothenic acid and/or pantotheine binding protein.
- RO1AM-16557-01 (END) SORRENTINO, SANDY, JR, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Regulation of growth and growth hormone (human, rats).
- RO1AM-16560-01 (NTN) ASPLUND, JOHN M, UNIVERSITY OF MISSOURI, 125 MUMFORD HALL, COLUMBIA, MO. Metabolic studies in parenterally fed models (sheep, swine).
- RO1AM-16564-02 (GMA) WATLINGTON, CHARLES O, VIRGINIA COMMONWEALTH UNIV, HEALTH SCIENCES, RICHMOND, VA. Sodium transport regulation by chlorine permeability alteration (frogs).
- RO1AM-16565-02 (PTHA) BENNETT, CLEAVES M, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Pathophysiology of experimental immunological nephritis (dogs, rats).
- RO1AM-16566-01 (SGYB) MAJARIAN, JOHN S, UNIV OF MINNEAPOLIS HOSPITALS, BOX 195, MINNEAPOLIS, MINN. Isolation and transplantation of pancreatic islets (swine, human, rats).
- RO1AM-16571-02 (GMA) HARDISON, WILLIAM G, PRESBY-ST LUKE'S HOSPITAL, 1753 WEST CONGRESS PKWY, CHICAGO, ILL. Taurine metabolism and bile acid conjugation in man.
- RO1AM-16572-02 (SGYB) MC DONALD, JOHN C, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. The heterophile system in renal transplantation.
- RO1AM-16572-02 0001 (SGYB) MC DONALD, JOHN C. The heterophile system in renal transplantation—Extent of natural pre-sensitization to antigens in population (human, rats, sheep).
- RO1AM-16572-02 0002 (SGYB) MC DONALD, JOHN C. The heterophile system in renal transplantation—Isolation of antigen from various tissues and bacteria (human, rats).
- RO1AM-16572-02 0003 (SGYB) MC DONALD, JOHN C. The heterophile system in renal transplantation—Distribution of antigen in kidney, other tissue, bacteria (human, mammals, birds).
- RO1AM-16572-02 0004 (SGYB) MC DONALD, JOHN C. The heterophile system in renal transplantation—Presence of antigen prior to transplantation, effect on kidney transplant (human).
- RO1AM-16572-02 0005 (SGYB) MC DONALD, JOHN C. The heterophile system in renal transplantation—Determination of antigen as intrinsic to kidney or on bacteria in kidney (human).
- RO1AM-16572-02 0006 (SGYB) MC DONALD, JOHN C. The heterophile system in renal transplantation—Serologic diagnosis of rejection (human).
- RO1AM-16574-02 (GMA) BERNSTEIN, LESLIE H, MONTEFIORE HOSPITAL, 111 EAST 210 STREET, BRONX, N. Y. Cobalamin deficiency in animals with enteric overgrowths (dogs, rats).
- RO1AM-16576-02 (GMA) ROTHFIELD, NAOMI F, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF MEDICINE, FARMINGTON, CONN. Properdin in connective tissue diseases (human).
- RO1AM-16577-02 (HEM) BROWN, ELMER B, WASHINGTON UNIVERSITY, 4566 SCOTT AVENUE, ST LOUIS, MO. Mammalian iron metabolism (human, rats, rabbits).
- RO1AM-16578-01 (NTN) UNDERWOOD, BARBARA A, PENNSYLVANIA STATE UNIVERSITY, 202 HUMAN DEVELOPMENT BLDG, UNIVERSITY PARK, PA. Vitamin A—Form and distribution in hepatic cell types (rats).
- RO1AM-16582-02 (BBCB) BIRNBAUM, EDWARD R, NEW MEXICO STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAS CRUCES, N. MEX. Lanthanide ions as probes of protein structure.
- RO1AM-16586-01 (PHY) CIVAN, MORTIMER M, DEPT OF PHYSIOLOGY, UNIV OF PA SCHOOL OF MED, PHILADELPHIA, PA. Transport and the intracellular fluids (*Drosophila*, chironomidae, toad).
- RO1AM-16588-01 (BA) BOKKENHEUSER, VICTOR, ST LUKE'S HOSPITAL CENTER, AMSTERDAM AVE AT 114TH STREET, NEW YORK, N. Y. Bacteria of the gastrointestinal tract (human).
- RO1AM-16589-02 (BBCB) BABIOR, BERNARD M, NEW ENGLAND MEDICAL CTR HOSPS, 171 HARRISON AVENUE, BOSTON, MASS. Coenzyme B₁₂ and related compounds.
- RO1AM-16593-01 (GMA) PROVOST, THOMAS T, E J MEYER MEMORIAL HOSPITAL, 462 GRIDER STREET, BUFFALO, N. Y. Complement activation via the G₃ shunt in skin disease.
- RO1AM-16595-01 (MCHA) OKAMURA, WILLIAM H, UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, RIVERSIDE, CALIF. Preparation of vitamin D analogs and metabolites (human, rats, dogs, chickens).
- RO1AM-16596-01 (SGYB) PONKALSRUD, ERIC W, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF SURGERY, LOS ANGELES, CALIF. Hepatic reticulum cells as surgical immune adjuvants (mice).
- RO1AM-16598-01 (SGYA) MERRITT, ALFRED M, 2D, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF VETERINARY MEDICINE, KENNETT SQUARE, PA. Dissection of gastric secretory control (miniature pig).

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- RO1AM-16600-01 (SOYB) BURSTEIN, ALBERT H, CASE WESTERN RESERVE UNIV, BINGHAM ENGINEERING BLDG, CLEVELAND, OHIO. In vivo loading on hip and knee joint replacements (human).
- RO1AM-16601-01 (PHY) SALLIE, VERNIEY L, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Intestinal lipid absorption.
- RO1AM-16606-02 (SOYB) SCHWARTZ, EDITH R, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, CHARLOTTESVILLE, VA. Metabolism of osteoarthritic articular cartilage (human).
- RO1AM-16610-01 (HBM) FUHR, JOSEPH E, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Sickle cell anemia and hemoglobin synthesis (monkeys).
- RO1AM-16611-01 (NTN) CARLISLE, EDITH M, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Determine the physiological role of silicone (chickens, rats, human).
- RO1AM-16612-01 (AFY) MARTIN, R BRUCE, WEST VIRGINIA UNIVERSITY, DIV OF ORTHOPEDIC SURGERY, MORGANTOWN, W VA. Bioelectric phenomena in bone (human, dogs).
- RO1AM-16614-01 (END) CLAYTON, RAYMOND B, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Biochemistry of stress in mice.
- RO1AM-16617-02 (GMA) HALL, ROBERT C, S U N Y - UPSTATE MEDICAL CTR, 750 EAST ADAMS STREET, SYRACUSE, N Y. Bile acid and lecithin reabsorption from primate bile (owl, monkeys, baboons).
- RO1AM-16622-02 (MET) SHIOTA, TETSUO, UNIVERSITY OF ALABAMA, DEPT OF MICROBIOLOGY, BIRMINGHAM, ALA. Pterins in clinical patients.
- RO1AM-16623-01 (MET) FITCH, COY D, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BLVD, ST LOUIS, MO. Metabolic adaptation of muscle and the need for creatine (rodents, chickens).
- RO1AM-16625-01 (AFY) COUTTS, RICHARD D, UNIV OF CALIFORNIA, SAN DIEGO, 3041 BASIC SCIENCE BUILDING, LA JOLLA, CALIF. Effect of delayed internal fixation on fracture healing.
- RO1AM-16635-02 (COM) JACQUIE, JOHN A, UNIVERSITY OF MICHIGAN, 7712 MED SCIENCE II, ANN ARBOR, MICH. Mathematical models of renal medullary function.
- RO1AM-16636-02 (END) SAMUELS, HERBERT H, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Metabolic effects of thyroid hormones in cell culture (cattle, rats).
- RO1AM-16638-02 (PHY) HAYSLETT, JOHN P, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Studies of uromia and exchanges of ions and water.
- RO1AM-16648-01 (END) HANSEN, ROBERT J, DEPT OF PHYSIOLOGICAL SCIENCE, UNIV OF CALIFORNIA, DAVIS, CALIF. Hormonal control of muscle protein degradation (rats).
- RO1AM-16649-01 (END) MADDALAM, V T, NASSAU COUNTY MEDICAL CENTER, 2201 HEMPSTEAD TURNPIKE, EAST MEADOW, N Y. Mechanism of action of growth hormone (rats).
- RO1AM-16651-02 (BIO) CURTHOYS, NORMAN P, UNIV OF PITTSBURGH SCH OF MED, 3550 TERRACE STREET, PITTSBURGH, PA. Characterization of rat kidney glutaminase isoenzymes.
- RO1AM-16652-02 (BIO) STRECKER, HAROLD J, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Control of collagen biosynthesis in liver cirrhosis (rats, human).
- RO1AM-16654-02 (NTN) YOUNG, VERNON R, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Nutrition and muscle protein turnover by new methods.
- RO1AM-16654-02 0001 (NTN) YOUNG, VERNON R. Nutrition and muscle protein turnover by new methods-3-methylhistidine studies (rats).
- RO1AM-16654-02 0002 (NTN) YOUNG, VERNON R. Nutrition and muscle protein turnover by new methods-Effect of various physiological and pathological conditions (rats, mice, dogs).
- RO1AM-16654-02 0008 (NTN) YOUNG, VERNON R. Nutrition and muscle protein turnover by new methods-Studies with human subjects.
- RO1AM-16658-01 (SOYA) STERN, THOMAS P, GENERAL CLINICAL RESEARCH CEN, GRAD HOSP OF THE UNIV OF PA, PHILADELPHIA, PA. Nitrogen pools and turnover in surgical patients.
- RO1AM-16659-02 (SOYB) BREUER, RICHARD I, EVANSTON HOSPITAL, 2650 RIDGE AVENUE, EVANSTON, ILL. Mechanism of glucose disposition after gastric surgery (human, dogs).
- RO1AM-16663-03 (PHY) HILMAN, SANDY I, UNIVERSITY OF ILLINOIS, 524 BURRILL HALL, URBANA, ILL. Electrophysiology of skin and kidney tubules (frogs, rabbits).
- RO1AM-16666-01 (HBM) KAN, YUET W, DEPT MEDICINE, SAN FRANCISCO GEN HOSP, SAN FRANCISCO, CALIF. Abnormal hemoglobin synthesis-Mechanism and detection (human).
- RO1AM-16667-01 (GMA) GRUNDY, SCOTT M, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF MEDICINE, LA JOLLA, CALIF. Researches on causes and treatment of gallstones.
- RO1AM-16668-02 (HBM) ALLEN, ROBERT H, WASHINGTON UNIVERSITY, 4566 SCOTT AVENUE, ST LOUIS, MO. Structure and function of B12 binding protein (human, guinea pig and swine).
- RO1AM-16673-02 (NTN) BAKER, NOME, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICINE, SCHOOL OF ME, LOS ANGELES, CA. Factors controlling lipogenic activation and inactivation (mice).
- RO1AM-16674-01 (PC) SMITH, DAVID W, NORTHWESTERN UNIV MED SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Aminoacyl transfer RNA synthetases in reticulocytes (rabbits, yeasts, bacteria).
- RO1AM-16678-01 (PHRA) CINTI, DOMANICK L, UNIVERSITY OF CONNECTICUT, ROUTE 4, FARMINGTON, CONN. Role of the mitochondria in hepatic drug metabolism (rats).
- RO1AM-16684-03 (END) REICHLIN, SEYMOUR, NEW ENGLAND MED CENTER HOSP, 171 HARRISON AVE, BOSTON, MASS. Neural control mechanisms of metabolic functions (human, mice, rats).
- RO1AM-16688-02 (BSCA) STEINER, ROBERT F, UNIVERSITY OF MARYLAND, 5401 WILKENS AVENUE, BALTIMORE, MD. Conformational transitions of alkalotic enzymes.
- RO1AM-16690-02 (PHB) WAXMAN, SAMUEL, MOUNT SINAI HOSPITAL, 100TH STREET AT FIFTH AVE, NEW YORK, N Y. Folic acid binding protein and folate metabolism (human).
- RO1AM-16691-03 (HBM) SCHWARTZ, BLIAS, CHILDREN'S HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Heme and globin synthesis in infants and children (human).
- RO1AM-16694-01 (BSCB) HIGUCHI, WILLIAM I, UNIVERSITY OF MICHIGAN, COLLEGE OF PHARMACY, ANN ARBOR, MICH. Mechanisms of cholesterol gallstone dissolution rates (human).
- RO1AM-16698-01 (SBS) HIRSCHHORN, KURT, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & 5TH AVENUE, NEW YORK, N Y. Cystic fibrosis (human, rabbits).
- RO1AM-16702-02 (HBM) SPYVAK, JERRY L, JOHNS HOPKINS UNIVERSITY, TRAYLOR BUILDING, ROOM 926, BALTIMORE, MD. Role of erythropoietin in transcriptional control (mice).
- RO1AM-16703-01 (AFY) BLIZONDO, REYNALDO S, INDIANA UNIVERSITY, DEPT OF ANATOMY & PHYSIOLOGY, BLOOMINGTON, IND. Heat acclimation in *Macaca mulatta*.
- RO1AM-16707-02 (END) VALE, WYLLIE W, SALK INSTITUTE, P O BOX 1809, SAN DIEGO, CALIF. Hypothalamic factor inhibiting somatotropic release (rats, primates).
- RO1AM-16709-02 (PC) FRAZIER, PATRICIA D, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF BIOCHEMISTRY, CHAPEL HILL, N C. Structure-function of GAL-1-P04 uridy transferase (human).
- RO1AM-16715-03 (PHRA) BROWN, BURNELL R, JR, UNIVERSITY OF ARIZONA, 1501 NORTH CAMPBELL AVENUE, TUCSON, ARIZ. Anesthetic-drug interactions with the liver (rats).
- RO1AM-16716-01 (AMP) POWLER, WILLIAM M, JR, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Pathophysiological bases of muscle diseases.
- RO1AM-16716-01 0001 (AMP) ASHMORE, C R. Pathophysiological bases of muscle diseases-Skeletal and cardiac muscle fibers (human, chickens, mice, hamsters).
- RO1AM-16716-01 0002 (AMP) TAYLOR, R G. Pathophysiological bases of muscle diseases-Muscle function in response to exercise (chickens, hamsters, rats, mice, dogs).
- RO1AM-16716-01 0004 (AMP) DIMARIA, A F. Pathophysiological bases of muscle diseases-Neuromyopathycardiomyopathy and therapeutic exercise (human).
- RO1AM-16716-01 0006 (AMP) WAGMAN, I H. Pathophysiological bases of muscle diseases-Sensory input and motor activity (cats).
- RO1AM-16716-01 0008 (AMP) BURGER, R E. Pathophysiological bases of muscle diseases-Neuromuscular system in task performance and its damage in MD (chickens).
- RO1AM-16716-01 0009 (AMP) VIJAYAN N. Pathophysiological bases of muscle diseases-Trophic effects of neurons on skeletal muscle (rats).
- RO1AM-16716-01 0010 (AMP) WILSON, B W. Pathophysiological bases of muscle diseases-ACHE, membrane enzymes and trophic effects of nerves (chickens, mammals, human).
- RO1AM-16716-01 0011 (AMP) HOROWITZ, J. Pathophysiological bases of muscle diseases-Nonshivering thermogenesis in normal and dystrophic hamsters.
- RO1AM-16716-01 0012 (AMP) BASKIN, R J. Pathophysiological bases of muscle diseases-The active state of normal and dystrophic muscle (mice).
- RO1AM-16716-01 0013 (AMP) WARING, G W. Pathophysiological bases of muscle diseases-Characteristics of the myoelectric signal (human, animals).
- RO1AM-16716-01 0014 (AMP) WAGMAN, I H. Pathophysiological bases of muscle diseases-Potential contribution of motor neuron lesions to M.S. (chickens, human).
- RO1AM-16716-01 0015 (AMP) KREBS, E G. Pathophysiological bases of muscle diseases-Role of protein phosphorylation in normal and myopathic muscle (human, animals).
- RO1AM-16716-01 0016 (AMP) BENISEK, W F. Pathophysiological bases of muscle diseases-Phosphate binding sites of muscle glycolytic enzymes (rabbits).
- RO1AM-16716-01 0017 (AMP) WALSH, D A. Pathophysiological bases of muscle diseases-Cyclic AMP dependent regulation of skeletal muscle (rabbits).
- RO1AM-16716-01 0018 (AMP) BROWN, W D. Pathophysiological bases of muscle diseases-Contractile proteins in slow and fast twitch muscle (fish, chickens, mice).
- RO1AM-16716-01 0019 (AMP) MASON, D Y. Pathophysiological bases of muscle diseases-Protein synthesis in experimental ventricular hypertrophy (guinea pig, cat, dog).
- RO1AM-16716-01 0020 (AMP) WIKMAN-COPPEL, J. Pathophysiological bases of muscle diseases-Muscles in normals, dystrophies, spontaneous hypertension (chicken, rodents, cat).
- RO1AM-16716-01 0021 (AMP) MACKENZIE, M R. Pathophysiological bases of muscle diseases-Role of immune complexes and cell mediated immunity in polymyositis (human).
- RO1AM-16716-01 0022 (AMP) BENJAMIN, E. Pathophysiological bases of muscle diseases-Immune response in polymyositis and muscular dystrophy (mice, guinea pig, human).
- RO1AM-16716-01 0023 (AMP) PETERSEN, D W. Pathophysiological bases of muscle diseases-Muscle DNA and protein synthesis in malnutrition (rodents, cattle, sheep, quail).
- RO1AM-16716-01 0027 (AMP) KUMAGAI, I F. Pathophysiological bases of muscle diseases-Hormonal, biochemical and muscle capillary abnormalities in diabetes (human).
- RO1AM-16716-01 0028 (AMP) THIBS, J H. Pathophysiological bases of muscle diseases-Sarcocystis infection and gel diffusion antibody test (human).
- RO1AM-16716-01 0029 (AMP) HOLLIDAY, T A. Pathophysiological bases of muscle diseases-Experimental animals (birds, mammals).
- RO1AM-16721-02 (GBN) KIRKMAN, HENRY M, JR, DEPT OF PEDIATRICS, UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, N C. Hemeo monophosphate shunt in genetic disease (human).
- RO1AM-16722-01 (GBN) PALMOUR, ROBERTA M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF GENETICS, BERKELEY, CALIF. Genetic and chemical studies of enzyme variations (human, bacteria).
- RO1AM-16726-02 (NTN) CLIFFORD, ANDREW J, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF NUTRITION, DAVIS, CALIF. Diet and purine metabolism in gout (human, rats).
- RO1AM-16728-02 (BSCB) COPPE, CAROLE J, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF BIOCHEMISTRY, PITTSBURGH, PA. Structure and function of muscle regulatory proteins (rabbit, carp).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1AM-16729-01 (END) KOCHAKIAN, CHARLES D, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. Steroid dehydrogenase of mammalian tissue (dogs, guinea pigs).
- RO1AM-16731-02 (END) DIENT, JAMES, UNIVERSITY OF VIRGINIA, GILMER HALL, CHARLOTTEVILLE, VA. Hormonal action in amphibian skin (newts).
- RO1AM-16732-13 (BBCA) WOODWORTH, ROBERT C, UNIVERSITY OF VERMONT, DEPARTMENT OF BIOCHEMISTRY, BURLINGTON, VT. Nature of iron-binding proteins (human, chick).
- RO1AM-16733-02 (BBCA) SCHULTZ, RICHARD M, LOYOLA UNIV-STRITCH SCH OF MED, DEPARTMENT OF BIOCHEMISTRY, MAYWOOD, ILL. Thermodynamic studies of chymotrypsin catalysis.
- RO1AM-16735-01 (BBCB) HEMARRE, WYLLIE C, 3D, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Tritiated peptides/proteins in endocrine biochemistry.
- RO1AM-16736-01 (BBCB) SWENSON, CHARLES A, UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Myosin ATPase mechanism and energy transduction (rabbits, swine).
- RO1AM-16737-12 (HEM) MULLER-EBERHARD, URSULA, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Hemolytic anemias in childhood (human, animals).
- RO1AM-16739-02 (PTHA) DUFFY, THOMAS E, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Pathogenesis of hepatic coma.
- RO1AM-16740-02 (BIO) WHITE, HAROLD B, 3D, UNIVERSITY OF DELAWARE, DEPARTMENT OF CHEMISTRY, NEWARK, DEL. Glyceral-3-P dehydrogenase-Role in lipid metabolism.
- RO1AM-16741-01 (BIO) CHILSON, OSCAR P, WASHINGTON UNIVERSITY, LINDELL AND SKINNER, BOX 1137, ST LOUIS, MO. Purine metabolism-Erythrocytes of developing chicks.
- RO1AM-16744-02 (MET) PERMUTT, MARSHALL A, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Control of insulin biosynthesis (fish, hamsters, rats).
- RO1AM-16747-01 (MET) ARIEFF, ALLAN I, CEDARS-SINAI MEDICAL CENTER, 8720 BEVERLY BOULEVARD, LOS ANGELES, CALIF. Blood brain barrier and carbohydrate metabolism (dogs, rabbits).
- RO1AM-16740-01 (REB) SHOME, BASUDIV, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Human gonadotropins-Chemical structure, immunobiology.
- RO1AM-16749-02 (PTHA) VENKATACHALAM, MANJERI A, MALLORY INSTITUTE OF PATHOLOGY, 784 MASSACHUSETTS AVENUE, BOSTON, MASS. Acute renal failure basis of sustained renal ischemia (rats).
- R13AM-16751-01 (DER) BERNSTEIN, ISADORE A, 1620 SCHOOL OF PUBLIC HEALTH-I, THE UNIV OF MICHIGAN, ANN ARBOR, MICH. Epidermal biochemistry conference (Michigan).
- RO1AM-16752-03 (GMA) SAMS, WILEY M, JR, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Pathogenesis of bullous diseases (human).
- RO1AM-16753-03 (PC) WICKS, WESLEY D, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Regulation of hepatic enzyme synthesis by cyclic AMP (rats).
- RO1AM-16754-02 (BIO) GALLOP, PAUL M, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Protein structure and collagen maturation (human).
- RO1AM-16763-03 (ALY) FLETCHER, MARY A, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Immunochemical studies of monoclonal antibodies (human).
- PO1AM-16764-02 (AMP) MORRIS, R CURTIS, JR, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS, SAN FRANCISCO, CALIF. Disorders of renal acidification.
- PO1AM-16764-02 0001 (AMP) MORRIS, R CURTIS JR. Disorders of renal acidification-Hereditary fructose intolerance (human, dogs, rats).
- PO1AM-16764-02 0002 (AMP) MORRIS, R CURTIS JR. Disorders of renal acidification-Renal tubular acidosis with acquired mineralocorticoid deficiency (human).
- PO1AM-16764-02 0003 (AMP) MORRIS, R CURTIS JR. Disorders of renal acidification-Aldosterone deficiency in renal acidification disorders (human).
- PO1AM-16764-02 0004 (AMP) MORRIS, R CURTIS JR. Disorders of renal acidification-Renal tubular transport of sodium and potassium (human).
- PO1AM-16764-02 0005 (AMP) MORRIS, R CURTIS JR. Disorders of renal acidification-Large alkali requirement in renal tubular acidosis (infants, children).
- PO1AM-16764-02 0006 (AMP) MORRIS, R CURTIS JR. Disorders of renal acidification-Role of parathyroid in renal tubular disfunctions (hamstr, rats, dogs).
- RO1AM-16767-02 (PC) MILLER, RONALD L, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Control of collagen biosynthesis and maturation (human, swine).
- RO1AM-16768-03 (GMB) REISS, ERIC, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Radioimmunoassay of parathyroid hormone in man.
- RO1AM-16769-02 (GMB) GULYASSY, PAUL P, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, DAVIS, CALIF. Control and action of cyclic AMP (foets, rats, dogs).
- RO1AM-16770-02 (MET) HOPMANN, ALAN F, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN. Bile acid metabolism in health and disease (human, dogs).
- RO1AM-16773-03 (MCHA) ALTMAN, LAWRENCE J, S U N Y AT STONY BROOK, DEPARTMENT OF CHEMISTRY, STONY BROOK, N Y. Studies on the inhibition of squalene synthesis (yeast).
- RO1AM-16774-02 (PTHB) STENGER, RICHARD J, BETH ISRAEL MEDICAL CENTER, 10 NATHAN D PERLMAN PLACE, NEW YORK, N Y. Structural parameters in hepatic disease (rats).
- RO1AM-16775-02 (PHY) WEINSTEIN, STEPHEN W, MONTEFIORE HOSP & MEDICAL CTR, 111 EAST 210 STREET, BRONX, N Y. Sources of energy for renal sodium transport (rats).
- RO1AM-16781-02 (PTHA) DRYSDALE, JAMES W, TUFTS UNIVERSITY SCHOOL OF MED, 136 HARRISON AVE, BOSTON, MASS. Ferritin synthesis in normal and malignant cells (rats, human).
- RO1AM-16784-02 (MET) EAMES, ROBERT Z, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Metabolism of branched chain alpha-keto acids (human, rats).
- RO1AM-16791-03 (END) MALOOF, FARANE, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. TSH as altered in thyroid disease and by estrogens (human, rats).
- RO1AM-16793-01 (MET) BALL, BRIC G, MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MASS. Regulation of metabolism.
- RO1AM-16794-02 (END) CRITCHLOW, B VAUGHN, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Neural regulation and anterior pituitary (rats).
- RO1AM-16302-01 (SOYA) ZELMAN, ALLEN, MEHARRY MEDICAL COLLEGE, 1005 EIGHTEENTH AVENUE, NORTH, NASHVILLE, TENN. A third generation artificial kidney (dogs, cattle, human).
- RO1AM-16804-01 (SOYA) CERULLI, G JAMES, OHIO STATE UNIVERSITY, 410 W 10TH AVENUE, COLUMBUS, OHIO. Anti-vascular endothelium antibody in transplantation (human).
- RO1AM-16305-01 (APY) OXNARD, CHARLES E, UNIVERSITY OF CHICAGO, 1025 EAST 57TH STREET, CHICAGO, ILL. Structure, biomechanics and bone (apes, human).
- RO1AM-16811-01 (PHBA) KRISHNER, NORMAN, DUKE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, DURHAM, N C. Biogenesis of catecholamine storage vesicles (rats, cattle).
- RO1AM-16813-01 (GMA) WOOD, JACKIE D, UNIVERSITY OF KANSAS, 39TH & RAINBOW BOULEVARD, KANSAS CITY, KANS. Congenital megacolon (mice).
- RO1AM-16814-01 (GMA) LAMAR, CARLOS, JR, TEXAS TECH UNIVERSITY, POST OFFICE BOX 4569, LUBBOCK, TEX. Effect of vagotomy on hepatic regeneration (rats).
- RO1AM-16816-01 (GMA) FORDTRAN, JOHN S, UNIV OF TEXAS SW MED AT DALLAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Gastric acid secretion and buffer content after eating.
- RO1AM-16321-01 (HEM) MASIAK, STANLEY J, S U N Y - AT STONY BROOK, HEALTH SCIENCES CENTER, STONY BROOK, N Y. Biochemical studies of red cell membranes (human).
- RO1AM-16326-01 (MET) POHL, STEPHEN L, NEW ENGLAND GEN HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Mechanisms of polypeptide hormone action.
- RO1AM-16829-02 (END) UNGAR, FRANK, UNIVERSITY OF MINNESOTA, 227 MILLARD HALL, MINNEAPOLIS, MINN. Regulation of steroid formation.
- RO1AM-16830-01 (SOYA) LILLEHEI, RICHARD C, UNIVERSITY OF MINNESOTA HOSPS, MAYO MEM BUILDING, BOX 148, MINNEAPOLIS, MINN. Renal cryopreservation (dogs).
- RO1AM-16331-01 (APY) BOBENSZTAJN, JAYME, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Physical exercise and lipoprotein lipase activity (rats).
- RO1AM-16833-01 (END) MALAMED, SASHA, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N J. Adrenal cells in vitro-Ultrastructure and steroids.
- RO1AM-16835-01 (NTN) GERSHOFF, STANLEY N, 665 HUNTINGTON AVENUE, BOSTON, MASS. Effect of diet on urinary stone formation in animals (rats, monkeys).
- RO1AM-16836-01 (NTN) LONGENIECKER, JOHN B, UNIVERSITY OF TEXAS, HOME ECONOMICS BUILDING 319, AUSTIN, TEX. Plasma amino acid method to assess amino acid needs (rats).
- RO1AM-16837-01 (PC) GILBERTSON, JOHN R, UNIVERSITY OF PITTSBURGH, 541 SALK HALL, PITTSBURGH, PA. Biochemistry of lipids in growing normal tissues (rat liver).
- RO1AM-16840-01 (GMA) URBAN, ERNEST, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Stimulation and mechanisms of intestinal transport (rats).
- RO1AM-16341-01 (GMA) SCHEDL, HAROLD P, UNIVERSITY HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Duodenal calcium binding protein-Actions and control (rats).
- RO1AM-16342-01 (HEM) CARTER, JAMES R, JR, PRESBY-UNIV OF PENNSYLVANIA, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Biosynthesis of red cell membrane proteins (rabbits).
- RO1AM-16345-01 (COM) CRUMP, KENNY S, LOUISIANA TECH UNIVERSITY, DEPARTMENT OF MATHEMATICS, RUSTON, LA. Transient analysis of counter current multipliers.
- RO1AM-16347-02 (HEM) ROWLEY, PETER T, UNIVERSITY OF ROCHESTER, 260 CIRTENDEN BLVD, ROCHESTER, N Y. Fetal hb synthesis control and sickle cell anemia (human).
- RO1AM-16349-01 (SOYA) SCRIBNER, BILDING H, UNIV OF WASHINGTON, DIVISION OF NEPHROLOGY, RM-11, SEATTLE, WASHINGTON. Metabolic aspects of long term parenteral nutrition (human).
- RO1AM-16854-01 (END) SWEET, FREDERICK, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Steroid biosynthesis, transport and mechanism of action.
- RO1AM-16858-02 (GMB) AU, WILLIAM Y, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Thiazide effects on calcium metabolism (rats).
- RO1AM-16359-01 (MBY) GLICK, MARY C, CHILDREN'S HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Glycoprotein metabolism in cystic fibrosis.
- RO1AM-16840-01 (MET) STERN, JUDITH S, THE ROCKEFELLER UNIV, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Physical activity, carbohydrate metabolism and obesity (rats, mice).
- RO1AM-16865-02 (PC) BONAR, IRVING, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS MO. Isolation of proinsulin mRNA (hamsters).
- RO1AM-16869-01 (APY) MELVIN, JOHN W, HIGHWAY SAFETY RESEARCH INST, BAXTER ROAD & HURON PARKWAY, ANN ARBOR, MICH. Biomechanics of cervical spine injury.
- RO1AM-16872-01 (PTHA) RASKOVA, JANA, RUTGERS MEDICAL SCHOOL, P O BOX 101, PISCATAWAY, N J. Immunopathology of chronic renal failure.
- RO1AM-16872-01 0001 (PTHA) RASKOVA, JANA. Immunopathology of chronic renal failure-Effects of chronic uremia on cell mediated immune response (rats).
- RO1AM-16872-01 0002 (PTHA) RASKOVA, JANA. Immunopathology of chronic renal failure-Induction and growth of tumors in uremia (rats).
- RO1AM-16872-01 0002 (PTHA) RASKOVA, JANA. Immunopathology of chronic renal failure-Chronic renal insufficiency and humoral antibodies (rats).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01AM-16375-01 (GMA) DURKIN, MARTIN G, LOYOLA UNIVERSITY, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL. Biologic properties of basic gastrin (dogs).	R01AM-16979-01 (SGYB) SCHROCK, THEODORE R, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Hepatic regeneration.
R01AM-16878-01 (END) BURROW, GERARD N, DEPT OF INTERNAL MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Regulation of thyroidal metabolism by protein kinase (human).	R01AM-16979-01 0001 (SGYB) SCHROCK, THEODORE R. Hepatic regeneration-Assay of hepatic regeneration (human, rats).
R01AM-16379-01 (END) HERBERT, EDWARD, UNIVERSITY OF OREGON, DEPARTMENT OF CHEMISTRY, EUGENE, OREG. Neuro-endocrine studies in cell culture system (mice).	R01AM-16979-01 0002 (SGYB) SCHROCK, THEODORE R. Hepatic regeneration-Role of cyclic AMP in intracellular regulation of hepatic regeneration (rats).
R01AM-16385-01 (GMB) KENNY, ALEXANDER D, UNIVERSITY OF MISSOURI, SPACE SCIS RESEARCH CENTER, COLUMBIA, MO. Calcium homeostasis-Endocrine and comparative aspects (rats, birds).	R01AM-16983-02 (GMB) MAYER, GEORGE P, OKLAHOMA STATE UNIVERSITY, DEPT OF PHYSIOLOGICAL SCIENCES, STILLWATER, OKLA. Calcium homeostasis-Endocrine aspects (cattle).
R01AM-16894-02 (IMB) HERMAN, JEROME H, CINCINNATI GENERAL HOSPITAL, BURNET AVENUE, N-3, CINCINNATI, OHIO. Immunopathology of cartilage proteoglycans (human, rabbits).	R01AM-16984-02 (ALY) AGNELLO, VINCENT, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Human immune complex diseases.
R01AM-16896-01 (MET) FINEBERG, SAMUEL E, BOSTON CITY HOSP SURGICAL 7, 818 HARRISON AVENUE, BOSTON, MASS. Decreased insulin sensitivity in diabetes and other disorders (human).	R01AM-16986-02 (NTN) HOFFMAN, JERALD L, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Biochemical effects of selenium in <i>TRNA</i> (E coli, yeast, animals, plants).
R01AM-16897-02 (MET) GUBLER, CLARK J, BRIGHAM YOUNG UNIVERSITY, 659 WIDB, PROVO, UTAH. Biochemical bases of branched-chain ketociduria (human, rats).	R01AM-16990-01 (PHY) ROTHMAN, STEPHEN S, DEPT OF PHYSIOLOGY, UNIV OF CALIF SCHOOL OF MED, SAN FRANCISCO, CALIF. Secretion of proteins and ions by the pancreas.
R01AM-16898-02 (PHY) LECHENE, CLAUDE P, HARVARD MEDICAL SCHOOL, 45 SHATTUCK STREET, BOSTON, MASS. Electronprobe microanalysis of nephron function (rats).	R01AM-16994-01 (ALY) MC MILLAN, ROBERT, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Lymphocyte function in lupus and rheumatoid arthritis (human).
R01AM-16905-01 (GMB) OMDAHL, JOHN L, UNIVERSITY OF NEW MEXICO, 915 STANFORD DRIVE, N E, ALBUQUERQUE, N MEX. Vitamin D action-Effect of minerals (dogs, rats, chickens).	R01AM-16995-01 (BBCB) STRAUB, DAREL K, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF CHEMISTRY, PITTSBURGH, PA. Bonding in iron porphyrins.
R01AM-16914-01 (BIO) AVRUCH, JOSEPH, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Red cell cation transport and contractile function (human).	R01AM-16999-02 (HEM) DUKES, PETER P, CHILDREN'S HOSP OF LOS ANGELES, P O BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. Molecular biology of erythroid cell differentiation (mice, rabbits, rats).
R01AM-16918-01 (END) NEWCOMER, WILBUR S, OKLAHOMA STATE UNIVERSITY, DEPT OF PHYSIOLOGICAL SCIENCES, STILLWATER, OKLA. Hereditary autoimmune thyroiditis in obese chicks.	R01AM-17001-01 (IMB) KOUNTZ, SAMUEL L, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Combination immunosuppression in kidney transplants (dogs, rabbits).
R01AM-16922-02 (PHY) IKEMOTO, NORIYUKI, BOSTON BIOMEDICAL RES INSTITUT, 20 STAMFORD STREET, BOSTON, MASS. Structure and function of sarcoplasmic reticulum (rabbits).	R01AM-17006-01 (BBCA) WAMPLER, JOHN E, DEPT OF BIOCHEM, UNIV OF GEORGIA, ATHENS, GA. Instrumental methods and pyridoxal catalysis (pig).
R01AM-16926-02 (GMB) CHASE, LEWIS R, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Parathyroid hormone and 3',5'-AMP in calcium metabolism.	R01AM-17007-01 (BBCA) TALLMAN, DENNIS E, NORTH DAKOTA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, FARGO, N DAK. Relaxation kinetic studies of metal requiring enzymes (cattle).
R01AM-16928-01 (GMB) BRODSKY, WILLIAM A, MOUNT SINAI SCH OF MED CUNY, 220 EAST 23RD STREET, NEW YORK, N Y. Renal transport mechanisms.	R01AM-17008-01 (BBCB) QUIOCHO, FLORANTE A, RICE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, HOUSTON, TEX. Structure and function of creatine kinase (rabbits, chicken).
R01AM-16931-01 (END) FURTH, EUGENE D, ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N Y. Thyroid stimulators and thyroid cyclic nucleotides (animals).	R01AM-17009-01 (BBCB) STEVENSON, JAMES F, CORNELL UNIVERSITY, OLIN HALL, ITHACA, N Y. Permeability measurements for hollow fiber membranes.
R01AM-16932-01 (END) MONACO, FABRIZIO, CENTRO PER LE MALATTIE DELLA T, UNIV OF ROME, ITALY, ROME, ITALY. Carbohydrates in thyroglobulin in thyroid tumor (human).	R01AM-17014-01 (MCHA) SCOTT, ALASTAIR I, STERLING CHEMISTRY LAB, YALE UNIVERSITY, NEW HAVEN, CONN. Porphyrin and corrinoid biosynthesis.
R01AM-16933-02 (END) SMITH, CLIFFORD J, UNIVERSITY OF TOLEDO, 2801 WEST BANCROFT STREET, TOLEDO, OHIO. Glucostatic control of food intake (rats).	R01AM-17020-02 (MET) HERD, JOHN K, ST JOSEPH'S HOSPITAL, 10TH AND CASTELAR, OMAHA, NEBR. Isolation of Hurler's corrective factor from serum (human).
R01AM-16936-01 (END) MILLER, R PAUL, ST MARY'S HOSPITAL, 89 GENESEE STREET, ROCHESTER, N Y. Somatomedin effects on chondrocyte tissue (rats).	R01AM-17022-02 (SGYB) EISEMAN, BEN, DENVER GENERAL HOSPITAL, 8TH & CHEROKEE STREET, DENVER, COLO. Treatment of hepatic failure (swine, human).
R01AM-16939-01 (GMA) CHEY, WILLIAM Y, GENESEE HOSPITAL, 224 ALEXANDER STREET, ROCHESTER, N Y. Radioimmunoassay of secretin and gastrin (dogs, rats, human).	P17AM-17026-01 (SSS) CROFFORD, OSCAR B, VANDERBILT UNIVERSITY, MEDICAL CENTER, NASHVILLE, TENN. Vanderbilt University Diabetes-Endocrinology Center.
R01AM-16940-02 (GMA) WOESSNER, J FREDERICK, JR, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Human cartilage proteases in arthritis.	P17AM-17026-01 0001 (SSS) BURR, IAN M. Vanderbilt University Diabetes-Endocrinology Center-Autonomic control over metabolic homeostasis (rats).
R01AM-16943-01 (GMB) SUKI, WADI N, METHODIST HOSPITAL, 6535 FANNIN, HOUSTON, TEX. Regulation of hydrogen secretion by Ca and parathyroid (dogs, rats).	P17AM-17026-01 0002 (SSS) COHEN, STANLEY. Vanderbilt University Diabetes-Endocrinology Center-Epidermal growth factor (mice).
P01AM-16944-01 (AMP) MARKOWITZ, ABRAHAM S, COOK COUNTY HOSPITAL, 627 SOUTH WOOD STREET, CHICAGO, ILL. Renal disease and allograft effects of Streptococci.	P17AM-17026-01 0003 (SSS) COLOWICK, SIDNEY P. Vanderbilt University Diabetes-Endocrinology Center-Hemokinase structure and mechanism of action.
P01AM-16944-01 0001 (AMP) MARKOWITZ, ABRAHAM S. Renal disease and allograft effects of Streptococci-Nephrogenicity of streptococcal fractions and their antisera (monkeys).	P17AM-17026-01 0004 (SSS) CORBIN, JACKIE D. Vanderbilt University Diabetes-Endocrinology Center-Effects of insulin on protein kinase in adipose tissue.
P01AM-16944-01 0002 (AMP) RAPAPORT, FELIX T. Renal disease and allograft effects of Streptococci-Renal transplantation (dogs, Streptococcal antigens).	P17AM-17026-01 0005 (SSS) CROFFORD, OSCAR B. Vanderbilt University Diabetes-Endocrinology Center-Computer techniques in diabetics for diabetics.
P01AM-16944-01 0003 (AMP) RAPAPORT, FELIX T. Renal disease and allograft effects of Streptococci-Skin grafts (mice, Streptococcal antigens).	P17AM-17026-01 0006 (SSS) CROFFORD, OSCAR B. Vanderbilt University Diabetes-Endocrinology Center-Degradation of insulin by plasma membranes of rat adipocytes.
P01AM-16944-01 0004 (AMP) RAPAPORT, FELIX T. Renal disease and allograft effects of Streptococci-HLA in glomerulonephritis and rheumatic heart disease (human).	P17AM-17026-01 0007 (SSS) CROFFORD, OSCAR B. Vanderbilt University Diabetes-Endocrinology Center-Breath acetone analysis in diabetes diagnosis (human).
P01AM-16944-01 0005 (AMP) ZABRISKIE, JOHN B. Renal disease and allograft effects of Streptococci-Lymphocyte migration inhibition and DNA stimulation tests (mice, dogs, monkeys).	P17AM-17026-01 0008 (SSS) EXTON, JOHN H. Vanderbilt University Diabetes-Endocrinology Center-Hormonal regulation of liver metabolism.
P01AM-16944-01 0006 (AMP) ZABISKIE, JOHN B. Renal disease and allograft effects of Streptococci-Cell reaction to streptococcal antigens in rheumatic fever and nephritis (human).	P17AM-17026-01 0009 (SSS) FELTS, PHILIP W. Vanderbilt University Diabetes-Endocrinology Center-Glucagon structure-activity relationships.
P01AM-16944-01 0007 (AMP) ZABRISKIE, JOHN B. Renal disease and allograft effects of Streptococci-Induction of allograft sensitivity with streptococcal fractions (dogs).	P17AM-17026-01 0010 (SSS) FIELD, LAMAR. Vanderbilt University Diabetes-Endocrinology Center-Disulfide chemistry.
R01AM-16947-01 (BBCA) SHERRY, ALLAN D, UNIVERSITY OF TEXAS, P O BOX 30365, DALLAS, TEX. Lanthanide ions as spectroscopic rulers in Con A.	P17AM-17026-01 0011 (SSS) FLEISCHER, SIDNEY. Vanderbilt University Diabetes-Endocrinology Center-Membranes and organelles-Structure and function (rats).
R01AM-16950-01 (BIO) DAVIS, LEODIS, CHEMISTRY DEPARTMENT, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Serine and threonine metabolism (sheep).	P17AM-17026-01 0012 (SSS) GRABER, ALAN L. Vanderbilt University Diabetes-Endocrinology Center-Effect of a regional diabetes education program.
R01AM-16960-01 (PHRA) MUDGE, GILBERT H, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. Drug distribution-Renal parenchyma, loop of henle.	P17AM-17026-01 0013 (SSS) GRABER, ALAN L. Vanderbilt University Diabetes-Endocrinology Center-Effectiveness of oral hypoglycemic drugs (human).
R01AM-16968-01 (GMB) WELING, LARRY W, UNIVERSITY OF KANSAS, 39TH AND RAINBOW BOULEVARD, KANSAS CITY, KANS. Analytic formulation of transport in single nephrons.	P17AM-17026-01 0014 (SSS) GRABER, ALAN L. Vanderbilt University Diabetes-Endocrinology Center-Role of cyclic nucleotides in vascular tissue (human).
R01AM-16971-01 (MET) KELLEY, WILLIAM N, DUKE UNIVERSITY, P O BOX 3211, DURHAM, N C. Specific polysome isolation in human cells (also rabbits).	P17AM-17026-01 0015 (SSS) HEIMBERG, MURRAY. Vanderbilt University Diabetes-Endocrinology Center-Regulatory mechanisms in lipid metabolism (rats).

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- P17AM-17026-01 0018 (SSS) MANN, GEROGE V. Vanderbilt University Diabetes-Endocrinology Center-Membrane transport of ascorbic acid.
- P17AM-17026-01 0019 (SSS) MITCHELL, WILLIAM M. Vanderbilt University Diabetes-Endocrinology Center-Structure of collagen.
- P17AM-17026-01 0020 (SSS) NEBLETT, MARGARET S. Vanderbilt University Diabetes-Endocrinology Center-Hormonal regulation of nuclear protein phosphorylation in isolated fat cells.
- P17AM-17026-01 0021 (SSS) NILES, ALAN S. Vanderbilt University Diabetes-Endocrinology Center-Insotropic effect of tolbutamide in man.
- P17AM-17026-01 0022 (SSS) ORTH, DAVID N. Vanderbilt University Diabetes-Endocrinology Center-Synthesis and secretion of peptide hormones.
- P17AM-17026-01 0023 (SSS) PARK, CHARLES R. Vanderbilt University Diabetes-Endocrinology Center-Hormonal regulation of metabolism.
- P17AM-17026-01 0024 (SSS) PILKIS, SIMON J. Vanderbilt University Diabetes-Endocrinology Center-Control by insulin of cyclic AMP metabolism in rat liver (rats).
- P17AM-17026-01 0025 (SSS) POST, ROBERT L. Vanderbilt University Diabetes-Endocrinology Center-Mechanism of sodium-potassium ion transport ATPase (guinea pigs).
- P17AM-17026-01 0026 (SSS) PUETT, J. DAVID. Vanderbilt University Diabetes-Endocrinology Center-Pituitary hormones-Structure, function and biotransformation.
- P17AM-17026-01 0027 (SSS) REGEN, DAVID M. Vanderbilt University Diabetes-Endocrinology Center-Nutrient dynamics in genetically obese rodents (rats, mice).
- P17AM-17026-01 0028 (SSS) SALMON, WILLIAM D, JR. Vanderbilt University Diabetes-Endocrinology Center-Nature and origin of somatomedin.
- P17AM-17026-01 0029 (SSS) JOHNSON, ROGER A. Vanderbilt University Diabetes-Endocrinology Center-Membrane bound enzymes (rats).
- P17AM-17026-01 0030 (SSS) SUTHERLAND, EARL W. Vanderbilt University Diabetes-Endocrinology Center-Role of cyclic GMP.
- P17AM-17026-01 0031 (SSS) TOUSTER, OSCAR. Vanderbilt University Diabetes-Endocrinology Center-Polyl pathway and the glucuronate-xylose cycle in diabetes.
- P17AM-17026-01 0032 (SSS) EXTON, JOHN H. Vanderbilt University Diabetes-Endocrinology Center-Intracellular metabolism of cyclic AMP in liver.
- P17AM-17026-01 0033 (SSS) LILLENQUIST, JOHN E. Vanderbilt University Diabetes-Endocrinology Center-Gluconeogenic activity of glucagon in intact man.
- P17AM-17026-01 0034 (SSS) LILLENQUIST, JOHN E. Vanderbilt University Diabetes-Endocrinology Center-Insulin suppression of glucagon-induced hepatic cyclic AMP release (rats, human).
- P17AM-17026-01 0035 (SSS) LILLENQUIST, JOHN E. Vanderbilt University Diabetes-Endocrinology Center-Hepatic and peripheral sensitivity to insulin (men).
- P17AM-17026-01 0036 (SSS) LILLENQUIST, JOHN E. Vanderbilt University Diabetes-Endocrinology Center-Insulin inhibition of insulin secretion in normal man.
- P17AM-17026-01 0037 (SSS) PUETT, J. DAVID. Vanderbilt University Diabetes-Endocrinology Center-Purification and properties of somatomedin.
- P17AM-17026-01 0038 (SSS) SODERLING, THOMAS R. Vanderbilt University Diabetes-Endocrinology Center-Regulation of skeletal muscle glycogen synthetase kinase and phosphatase.
- P17AM-17026-01 0039 (SSS) FLISCHER, SIDNEY. Vanderbilt University Diabetes-Endocrinology Center-Role of prostaglandins on insulin release and production (rats).
- P17AM-17026-01 0040 (SSS) INAGAMI, TADASHI. Vanderbilt University Diabetes-Endocrinology Center-Inactivation of peptide hormones by target cell membranes (rats).
- P17AM-17026-01 0041 (SSS) FRIEDMAN, DANIEL L. Vanderbilt University Diabetes-Endocrinology Center-Role of insulin in growth of human cells in culture.
- P17AM-17026-01 0042 (SSS) CUNNINGHAM, LEON W. Vanderbilt University Diabetes-Endocrinology Center-Diabetes and biosynthesis of collagen.
- P17AM-17026-01 0043 (SSS) BURR, IAN M. Vanderbilt University Diabetes-Endocrinology Center-Autonomic modification of substrate and hormonal responses to glucose in man.
- P17AM-17026-01 0044 (SSS) KEBBY, STANLEY L. Vanderbilt University Diabetes-Endocrinology Center-Action of insulin on heart cyclic AMP-dependent protein.
- P17AM-17026-01 0045 (SSS) FROLICH, J. C.. Vanderbilt University Diabetes-Endocrinology Center-Prostaglandin synthesis in diabetes (human).
- P17AM-17026-01 0046 (SSS) REGEN, DAVID M. Vanderbilt University Diabetes-Endocrinology Center-Hormonal regulation of glucose entry into cells.
- P17AM-17026-01 0047 (SSS) BURR, IAN M. Vanderbilt University Diabetes-Endocrinology Center-B cells (rats).
- R01AM-17028-01 (VR) PHILLIPS, PAUL E. HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70TH STREET, NEW YORK, N. Y. Virologic studies of systemic lupus erythematosus (human, mice).
- R01AM-17030-01 (BND) VAHOUNY, GEORGE V. GEORGE WASHINGTON UNIVERSITY, 2300 I STREET, N. W. WASHINGTON, D. C. Cholesterol esterase regulation of steroidogenesis (rats, cattle).
- R01AM-17032-03 (GMA) BULL, DAVID M. BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Lymphocyte reactivity in inflammatory bowel disease (human).
- P01AM-17040-01 (SSS) BOWMAN, BARBARA H. UNIVERSITY OF TEXAS, DEPT OF HUMAN BIO CHEM & GEN, GALVESTON, TEX. The basic defect in cystic fibrosis.
- P01AM-17040-01 0001 (SSS) BOWMAN, BARBARA H. The basic defect in cystic fibrosis-Ciliary inhibitor isolation and characterization (human, oysters, dogs).
- P01AM-17040-01 0002 (SSS) BARRANCO, SAM C. The basic defect in cystic fibrosis-Growth and cytogenetics of CF cells in vitro (human, Chinese hamster ovary cells).
- P01AM-17040-01 0003 (SSS) BRINKLEY, B R. The basic defect in cystic fibrosis-Ultrastructure and histochemistry of CF cells (human, oysters).
- P01AM-17040-01 0004 (SSS) CHEN, JAMES P. The basic defect in cystic fibrosis-Immunoassay of CF factor in patients and carriers (human, monkeys).
- P01AM-17040-01 0005 (SSS) BRINKLEY, B R. The basic defect in cystic fibrosis-Cytogenetics and cell hybridization (human, mice).
- P01AM-17040-01 0006 (SSS) FULLER, GERALD M. The basic defect in cystic fibrosis-Surface membranes and enzymes (human).
- P17AM-17042-01 (SSS) LARNER, JOSEPH, UNIV OF VIRGINIA SCH OF MED, DEPT OF PHARMACOLOGY, CHARLOTTESVILLE, VA. Diabetes endocrinology research center.
- P17AM-17042-01 0001 (SSS) BRITTON, R L. Diabetes endocrinology research center-Thermodynamics of insulin binding.
- P17AM-17042-01 0002 (SSS) BROOKER, G. Diabetes endocrinology research center-Biochemical basis of vascular lesions in diabetes (mammals).
- P17AM-17042-01 0003 (SSS) BROOKER, G. Diabetes endocrinology research center-Sulfonylurea hypoglycemic agents action and tolerance.
- P17AM-17042-01 0004 (SSS) CRAIG, J. Diabetes endocrinology research center-Cyclic nucleotides and enzymes in cultured diabetic cells (human).
- P17AM-17042-01 0005 (SSS) HAYNES, R C. Diabetes endocrinology research center-Mediator of glucagon action on mitochondria and its effect on insulin (rats).
- P17AM-17042-01 0006 (SSS) LANGDON, R G. Diabetes endocrinology research center-Insulin action and glucose membrane transport mechanism (human).
- P17AM-17042-01 0007 (SSS) VILLARPALASI, C. Diabetes endocrinology research center-Hormonal control of protein kinase phosphorylation (rabbits).
- P17AM-17042-01 0008 (SSS) LARNER, JOSEPH. Diabetes endocrinology research center-Protein kinase inhibitor formed in insulin presence (rats, rabbits).
- P17AM-17042-01 0009 (SSS) MURAD, F. Diabetes endocrinology research center-Insulin effects on the cyclic nucleotide inhibitor and cyclic GMP.
- P17AM-17042-01 0010 (SSS) OWEN, J. Diabetes endocrinology research center-Isolation of insulinogenic materials from the gastrointestinal tract (rats).
- P17AM-17042-01 0011 (SSS) PAULSEN, E. Diabetes endocrinology research center-Three forms of childhood diabetes mellitus.
- P17AM-17042-01 0012 (SSS) PAULSEN, E. Diabetes endocrinology research center-Alc homoglobin synthesis in diabetic marrow cultures.
- P17AM-17046-01 (SSS) STEINER, DONALD F, UNIV OF CHICAGO, 5801 SOUTH ELLIS AVENUE, CHICAGO, ILL. Diabetes endocrinology center.
- P17AM-17046-01 0001 (SSS) STEINER, DONALD F. Diabetes endocrinology center-Core facilities.
- P17AM-17046-01 0002 (SSS) RUBENSTEIN, A H. Diabetes endocrinology center-Ketoacidosis and hyperosmolar coma (human).
- P17AM-17046-01 0003 (SSS) RUBENSTEIN, A H. Diabetes endocrinology center-Follow up of newly diagnosed diabetics (children).
- P17AM-17046-01 0004 (SSS) RUBENSTEIN, A H. Diabetes endocrinology center-Residual beta cell function in insulin requiring diabetes (human).
- P17AM-17046-01 0005 (SSS) RUBENSTEIN, A H. Diabetes endocrinology center-Psychosocial and behavioral studies in newly diagnosed diabetics.
- P17AM-17046-01 0006 (SSS) RUBENSTEIN, A H. Diabetes endocrinology center-CNS effects on insulin and glucagon secretion (human).
- P17AM-17047-01 (SSS) WILLIAMS, ROBERT H, UNIVERSITY OF WASHINGTON, DEPT OF MEDICINE, SEATTLE, WASH. Diabetes-endocrinology research center.
- P17AM-17047-01 0001 (SSS) WILLIAMS, ROBERT H. Diabetes-endocrinology research center-Core facilities.
- P17AM-17047-01 0002 (SSS) GOODNER, C J. Diabetes-endocrinology research center-Physiological studies in the baboon.
- P17AM-17047-01 0003 (SSS) GOODNER, C J. Diabetes-endocrinology research center-Hypothalamic regulation in the rat.
- P17AM-17047-01 0004 (SSS) GOODNER, C J. Diabetes-endocrinology research center-Diabetes, obesity and other conditions altering fuel physiology (human).
- P17AM-17047-01 0005 (SSS) GOODNER, C J. Diabetes-endocrinology research center-Computerized study of feeding behavior (human).
- P17AM-17047-01 0006 (SSS) GALLE, KURT. Diabetes-endocrinology research center-Mathematical modeling of insulin secretion.
- R01AM-17049-01 (BBCA) NOWAK, THOMAS, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. NMR studies of metals in kinases and related enzymes (chickens).
- R01AM-17050-01 (VR) OGRA, PEARAY L, CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N. Y. Arthritis and rubella infection (human).
- R01AM-17054-01 (BBCA) WILCOX, WILLIAM R, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Sodium urate nucleation (human).
- R01AM-17057-01 (MCHA) ABERHART, DONALD J, CATHOLIC UNIVERSITY OF AMERICA, DEPARTMENT OF CHEMISTRY, WASHINGTON, D. C. Synthesis of vitamin D3 metabolites.
- R01AM-17060-01 (BND) BURBOW, GERRARD N, DEPT OF INTERNAL MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Studies of thyroglobulin synthesis (cattle).
- R01AM-17062-01 (PHY) LEHMAN, WILLIAM, J, OXFORD UNIVERSITY, SOUTH PARKS ROAD, OXFORD OX1 - 3PS, ENGLAND. Regulation of muscular contraction-A comparative study.
- R01AM-17069-01 (MCHA) RAO, P NARASIMHA, SOUTHWEST FDN FOR RES & EDUC, POST OFFICE BOX 26147, SAN ANTONIO, TEX. Synthesis of new steroid haptans for radioimmunoassay.
- R01AM-17074-01 (GMB) NEUMAN, WILLIAM F, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Role of bone membranes in calcium regulation.
- R01AM-17076-01 (MET) FALLON, HAROLD J, UNIVERSITY OF NORTH CAROLINA, 412 SWING BUILDING, CHAPEL HILL, N. C. Regulation of edipose lipid metabolism (rats, mice).
- R01AM-17081-01 (PHY) KERRICK, WALLACE G, UNIVERSITY OF WASHINGTON, DEPT OF PHYSIOLOGY & BIOPHYS, SEATTLE, WASH. CA02 release from sarcoplasmic reticulum (frogs).
- R01AM-17082-01 (MET) MILLER, RALPH E, UNIVERSITY OF KENTUCKY, DEPT OF PHARMACOLOGY, LEXINGTON, KY. Neural regulation of insulin secretion rate (dogs).
- R01AM-17083-01 (AFY) COSTILL, DAVID L, BALL STATE UNIVERSITY, HUMAN PERFORMANCE LABORATORY, MUNCIE, IND. Muscle water and electrolytes during dehydration (human).
- R01AM-17084-01 (SOYB) KAMINSKI, DONALD L, ST LOUIS UNIVERSITY, 1325 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Bleassay of hepatic hormonal receptor sites (dogs).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

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- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R22AM-17086-01 (NTN) ARROYAVE, GUILLERMO, I N C A P, POST OFFICE BOX 11-88, GUATEMALA CITY, GUATEMALA. Amino acid requirements of preschool age children.
- R01AM-17091-01 (BIO) MC CORD, JOE M, DUKE UNIVERSITY, DEPT OF MEDICINE, DURHAM, N C. Superoxide and superoxide dismutase in human disease.
- R01AM-17092-01 (SOYB) MBNGUY, RENE, GENESEE HOSPITAL, 224 ALEXANDER STREET, ROCHESTER, N Y. Influence of stress on gastric mucosal energy metabolism (rabbits, rats).
- R01AM-17093-01 (CVB) PINTER, GABRIEL G, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Heart and kidney capillary permeability in diabetes (rats, dogs).
- R01AM-17094-01 (COM) PALATT, PAUL J, BROWN UNIVERSITY, POST OFFICE BOX G, PROVIDENCE, R I. Mathematical modeling of viscous flow phenomena.
- R01AM-17103-01 (SOYB) CHARTERS, ALEXANDER C, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Humoral control of liver regeneration (rats).
- R01AM-17106-01 (SOYB) HARRIS, WILLIAM H, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Stimulation of fracture healing by direct current (dogs).
- P01AM-17110-07 (AMP) WALTON, ALAN G, CASE WESTERN RESERVE UNIV, UNIVERSITY CIRCLE, CLEVELAND, OHIO. Program project in biomaterials calcified tissue.
- P01AM-17110-07 0002 (AMP) ZULL, J E. Program project in biomaterials calcified tissue—Localization of tritiated parathyroid hormone in bone (rats).
- P01AM-17110-07 0007 (AMP) WALTON, ALAN G.. Program project in biomaterials calcified tissue—Polypeptide synthesis.
- P01AM-17110-07 0008 (AMP) RIPPON, W. B.. Program project in biomaterials calcified tissue—Circular dichroism.
- P01AM-17110-07 0009 (AMP) HOPFINGER, A J. Program project in biomaterials calcified tissue—Conformation of the alpha-1Ialopeptide.
- P01AM-17110-07 0010 (AMP) HOPFINGER, A J. Program project in biomaterials calcified tissue—Solvent and conformation.
- P01AM-17110-07 0011 (AMP) WALTON, ALAN G.. Program project in biomaterials calcified tissue—Natural and synthetic biopolymer systems.
- P01AM-17110-07 0012 (AMP) WALTON, ALAN G. Program project in biomaterials calcified tissue—Mucopolysaccharide-polypeptide interactions.
- P01AM-17110-07 0013 (AMP) FRIEDMAN, B A. Program project in biomaterials calcified tissue—Early changes following immobilization of rabbit's knee.
- P01AM-17110-07 0014 (AMP) FRIEDMAN, B A. Program project in biomaterials calcified tissue—Effect of ICRF 159 on murine osteosarcoma (mice).
- P01AM-17110-07 0015 (AMP) FRIEDMAN, B A. Program project in biomaterials calcified tissue—Experimental patellar dislocation in rabbits.
- P01AM-17110-07 0016 (AMP) FRIEDMAN, B A. Program project in biomaterials calcified tissue—Denervation of rabbit's knee joints.
- R01AM-17112-02 (EXP) WOODS, STEPHEN C, UNIVERSITY OF WASHINGTON, DEPT OF PSYCHOLOGY, SEATTLE, WASH. Neural control of insulin secretion (rats, dogs).
- R01AM-17113-01 (MET) ORLOWSKI, MARIAN, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. 5-Oxoprolinase, aminoacidurias and mental retardation (human, rats, mice, dogs).
- R01AM-17125-01 (SOYB) MAGEE, DONAL F, CREIGHTON UNIVERSITY, 2500 CALIFORNIA STREET, OMAHA, NEBR. The secretion of pepsin (dogs).
- R01AM-17128-01 (GMA) PINNELL, SHILDON R, DUKE UNIVERSITY, DURHAM, N C. Collagen and elastin of connective tissue disease.
- R01AM-17146-01 (HBM) MILLANDS, JOHN B, UNIVERSITY OF CALIFORNIA, 401 BIOCHEMISTRY BUILDING, BERKELEY, CALIF. Cholestas for Cooley's anemia and iron storage disease (rats, rabbits).
- R01AM-17148-01 (HBM) ROBINSON, STEPHEN H, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Factors regulating hemopoietic cell differentiation (mhuman, mice).
- R01AM-17149-01 (AFY) BURSTEIN, ALBERT H, CASE WESTERN RESERVE UNIV, BINGHAM BLDG - BIOMECHAN LAB, CLEVELAND, OHIO. Bioengineering three-dimensional spinal analysis (human).
- R01AM-17150-01 (AFY) SYRETT, BARRY C, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. TRIP steels for orthopedic implants (rats, mice, rabbits, dogs, monkeys).
- R01AM-17153-01 (GMA) BOYER, JAMES L, UNIVERSITY OF CHICAGO, 950 E 59TH ST, BOX 400, CHICAGO, ILL. Mechanisms of bile secretion—Role of sodium transport.
- R01AM-17154-01 (MET) DESNICK, ROBERT J, UNIVERSITY OF MINNESOTA, BOX 231, MAYO MEMORIAL BLDG, MINNEAPOLIS, MINN. Therapy of metabolic diseases (human).
- R01AM-17157-01 (EXP) PANKSEPP, JAAK, DEPT OF PSYCHOLOGY, BOWLING GREEN STATE UNIVERSITY, BOWLING GREEN, OHIO. Medial hypothalamic regulation of feeding behavior (rats).
- R01AM-17158-01 (SOYA) POLET, HERMAN, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. The mixed lymphocyte culture and kidney graft survival.
- R01AM-17159-01 (IAB) VOLKMAN, ALVIN, TRUDEAU INSTITUTE, INC, P O BOX 59, ALGONQUIN AVENUE, SARANAC LAKE, N Y. Polyarthropathy in Salmonella-infected rats.
- R01AM-17163-01 (PHY) HALPERN, WILLIAM, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Viscoelastic properties of muscle (fregs).
- R01AM-17167-01 (SOYB) HOUCK, JOHN C, CHILDREN'S HOSPITAL, 2125 13TH STREET, N W, WASHINGTON, D C. Immunosuppression of graft rejection by lymphocyte chalone (rats, dogs, swine).
- R01AM-17169-01 (NTN) DRAPER, HAROLD H, DEPT OF FOOD SCIENCE, UNIVERSITY OF ILLINOIS, URBANA, ILL. Dietary factors in the etiology of osteoporosis (mice, rats).
- R01AM-17171-01 (EXP) SNOWDON, CHARLES T, UNIVERSITY OF WISCONSIN, DEPARTMENT OF PSYCHOLOGY, MADISON, WIS. Control mechanisms of pathological feeding behaviors (rats).
- R01AM-17174-01 (ALY) MC DUFFIE, FREDERIC C, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN. Immune complexes in rheumatoid arthritis (human).
- R01AM-17176-01 (BBCB) VINCENT, JAMES S, UNIVERSITY OF MARYLAND, 5401 WILKENS AVENUE, BALTIMORE, MD. PAC and EPR studies of metalloenzyme structure.
- R01AM-17179-01 (GMA) ADACHI, KIENJI, DEPARTMENT OF DERMATOLOGY, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Cyclic AMP in psoriasis.
- R01AM-17188-01 (SOYB) BALLINGER, WALTER F, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Surgical transplantation of islets of Langerhans (rats, human).
- R01AM-17191-01 (NTN) HASHIM, SAMI A, ST LUKE'S HOSPITAL CENTER, AMSTERDAM AVE & 114TH STREET, NEW YORK, N Y. Medium chain fatty—Physiology and clinical implications.
- R01AM-17194-02 (ALY) PLAUT, ANDREW G, NEW ENGLAND MED CEN HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Proteolytic mechanisms in human colon contents.
- P01AM-17195-01 (AMP) ROBINSON, ROSCOE R, DUKE UNIVERSITY MED CENTER, BOX 3014, DURHAM, N C. Kidney in health and disease (dogs).
- R01AM-17196-02 (PTHA) POLLAK, VICTOR E, UNIVERSITY OF CINCINNATI, 234 GOODMAN STREET, CINCINNATI, OHIO. Clinicopathologic and other studies on renal disease (human, rats).
- R01AM-17199-01 (SOYA) KAPLAN, BRNIST N, STANFORD MEDICAL CENTER, DEPARTMENT OF SURGERY, STANFORD, CALIF. Prolonged survival of tissue cultured skin grafts (human).
- R01AM-17200-01 (MET) BERNSTEIN, ROBERT S, ST LUKE'S HOSPITAL CENTER, AMSTERDAM AVE & 114TH STREET, NEW YORK, N Y. Regulation of adipocyte insulin sensitivity (rats, human).
- R01AM-17202-01 (PTHA) KIBRICK, SIDNEY, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Diabetes mellitus; role of coxsackievirus B infection (mice, human).
- R01AM-17210-01 (PTHA) ESSNER, EDWARD S, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Role of lysosomes in Chediak-Higashi syndrome (beige mice).
- R01AM-17211-01 (MCHB) JOHNSON, B CONNOR, OKLAHOMA MEDICAL RESEARCH FDM, 825 NORTHEAST THIRTEENTH ST, OKLAHOMA CITY, OKLA. Glycolipid derivatives of vitamin A.
- R01AM-17212-01 (GMB) SCHNEIDER, FREDERICK H, EMORY UNIVERSITY, DIV OF BASIC HLTH SCIENCES, ATLANTA, GA. Life cycle of adrenal medulla chromaffin granules.
- R01AM-17215-01 (PC) BRANDT, KENNETH D, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Prostaglandins in aging and osteoarthritic cartilage (human, dogs).
- R01AM-17217-01 (TOX) SCHRAER, ROSEMARY S, DEPT OF BIOCHEM, THE PENN STATE UNIV, UNIV PARK, PA. Carbonic anhydrase, calcium metabolism and DDT (birds).
- R01AM-17220-01 (PC) TANZER, MARVIN L, UNIVERSITY OF CONNECTICUT, DEPT OF BIOCHEMISTRY, FARMINGTON, CONN. Biology and chemistry of procollagen in cell culture (mice).
- R01AM-17223-01 (MBY) FLEISCHER, BRCCA C, VANDERBILT UNIVERSITY, DEPT OF MOLECULAR BIOLOGY, NASHVILLE, TENN. Role of Golgi apparatus in kidney cells (rats).
- R01AM-17226-01 (BND) RUEGAMER, WILLIAM R, UNIVERSITY OF NEBRASKA, 42ND AND DEWEY AVENUE, OMAHA, NEBR. Growth factor from plerocercoids of *S. mansonioides* (also animals).
- R01AM-17229-01 (GMA) SOKOLOFF, LEON, S U N Y - STONY BROOK, HEALTH SCIENCES CENTER, STONY BROOK, N Y. Lubricating ability of synovial fluid (human).
- R01AM-17230-01 (GMB) KUNAU, ROBERT T, JR, UNIVERSITY OF MINNESOTA, MAYO BUILDING, BOX 194, MINNEAPOLIS, MINN. Nephron response to systemic acid base disturbances.
- R01AM-17234-01 (GMB) FORREST, JOHN M, 333 CEDAR STREET, NEW HAVEN, CONN, NEW HAVEN, CONN. Effects of lithium on renal function (human, rats).
- R01AM-17234-01 (MET) BERGMAN, RICHARD M, UNIV OF SOUTHERN CALIFORNIA, SCIENCE HALL 371, LOS ANGELES, CALIF. Quantitative studies of metabolic dynamics (dogs).
- R01AM-17238-01 (PHY) SZURSZEWSKI, JOSEPH H, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Gastrins, neurotransmitters and antral smooth muscle (human, mammals).
- R01AM-17240-01 (GMA) GIBBS, JAMES G, JR, N Y HOSP-CORNELL MEDICAL CTR, 21 BLOOMINGDALE ROAD, WHITE PLAINS, N Y. Physiological mechanisms of satiety (rats, monkeys).
- R01AM-17243-01 (RAD) MC INTYRE, PATRICIA A, JOHNS HOPKINS HOSPITAL, 615 NORTH WOLFE STREET, BALTIMORE, MD. Tracer techniques in diagnosis of acute cholecystitis (human, dogs).
- R01AM-17251-01 (SSS) SOLOMON, DAVID H, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Graves' disease (human).
- R01AM-17253-01 (GMA) GOLDSMITH, LOWELL A, DUKE UNIVERSITY, DURHAM, N C. Structural proteins in genetic defects of epidermis.
- R01AM-17255-01 (MBY) ITO, SUSUMU, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Dissociated and separated gastric cell types (mice).
- R01AM-17258-01 (SOYB) SOKOLOFF, LEON, S U N Y - AT STONY BROOK, HEALTH SCIENCES CENTER, STONY BROOK, N Y. In vitro culture of articular chondrocytes (human, rabbits).
- R01AM-17259-01 (NTN) VAN ITALLIE, THEODORE B, ST LUKE'S HOSP CENTER, AMSTERDAM AVE & 114TH STREET, NEW YORK, N Y. Body nutrient reserves and feeding behavior (rats, mice).
- R01AM-17260-06 (SOYB) STARZL, THOMAS E, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Hepatotrophic factors in splanchnic venous blood (dogs).
- R01AM-17262-01 (BBCA) BOXBY, ROBERT, TEMPLE UNIVERSITY, DEPT OF BIOCHEMISTRY, PHILADELPHIA, PA. Measurement of ligand binding to associating enzymes (bacteria).
- R01AM-17266-01 (BND) STANBURY, JOHN B, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Gaiter and retardation in Ecuador and Peru (human).
- R01AM-17267-01 (BBCB) TOMASELLI, VINCENT P, FAIRLEIGH DICKINSON UNIVERSITY, 1000 RIVER ROAD, TEANECK, N J. Far-infrared investigation of collagen.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- 801AM-17248-01 (SDC) CRAIGHEAD, JOHN E, MEDICAL ALUMNI BLDG, UNIV OF VERMONT COL OF MED, BURLINGTON, VT. Association of human diabetes with virus infections.
- 801AM-17273-01 (SGYB) PERTSCHLIDIS, DEMETRIUS, MOUNT SINAI SCH OF MEDICINE, FIFTH AVENUE & 100TH STREET, NEW YORK, N Y. Human bile acid metabolism and cholesterol gallstones.
- 801AM-17276-01 (UMB) KAGNOFF, MARTIN F, UNIV OF CALIFORNIA, SAN DIEGO, BASIC SCIENCE BLDG, ROOM 2048, LA JOLLA, CALIF. Gastrointestinal lymphoid cell functions (mice).
- 801AM-17281-01 (BDCB) MUNKERJEE, PASUPATI, UNIVERSITY OF WISCONSIN, 425 NORTH CHARTER STREET, MADISON, WIS. Bile salts as atypical surfactants and solubilizers.
- 801AM-17293-01 (GMA) BASS, PAUL, UNIVERSITY OF WISCONSIN, 425 N CHARTER STREET, MADISON, WIS. Laxative effects on dog intestinal motility.
- 801AM-17294-01 (GMA) WALSH, JOHN H, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Hormonal etiology of gastric hypersecretion (dogs, human).
- 801AM-17299-02 (ET) SNODGRASS, PHILIP J, VETERANS ADMINISTRATION HOSP, 1481 WEST TENTH STREET, INDIANAPOLIS, IND. Induction and suppression of urea cycle enzymes.
- 801AM-17299-02 0001 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-Liver cell culture.
- 801AM-17299-02 0002 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-Induction of urea cycle enzymes by glucagon (mice, rats).
- 801AM-17299-02 0006 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-Induction by amino acids (rats).
- 801AM-17299-02 0004 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-Lack of induction by secretin or cholecystokinin (rats).
- 801AM-17299-02 0006 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-Dibutylcyclic-amp in rats.
- 801AM-17299-02 0006 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-CT deficiency in children.
- 801AM-17299-02 0007 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-Carbonyl phosphate synthetase deficiency (human).
- 801AM-17299-02 0006 (ET) SNODGRASS, PHILIP J. Induction and suppression of urea cycle enzymes-Urea cycle enzyme assays in propionic acid metabolism (human).
- 801AM-17303-01 (GMA) HEPNER, GERSHON W, PENNSYLVANIA STATE UNIVERSITY, MILTON S HERSHEY MED CENTER, HERSHEY, PA. Bile secretion and enterohepatic circulation of drugs (human, monkeys).
- 801AM-17307-01 (END) KOHLER, PETER O, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Hormone production in cultured endocrine cells (rats).
- 801AM-17309-01 (PTHA) ZURBER, ROBERT B, UNIV OF CONNECTICUT, SCHOOL OF MEDICINE, FARMINGTON, CONN. Biological effects of lysosomal enzyme release (human).
- 801AM-17310-01 (MBY) DE GROOT, LESLIE J, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Thyroglobulin mRNA-Isolation and characterization (rats, human).
- 801AM-17315-01 (PHY) SPENNEY, JERRY G, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Conductance pathways in acute gastroduodenal injury (Necturus).
- 801AM-17317-10 (UMB) MARGROM, FELIX, S U N Y-AT BUFFALO, DEPARTMENT OF MICROBIOLOGY, BUFFALO, N Y. Humoral antibodies accompanying homografts (human, rabbits, rats, mice).
- 801AM-17320-11 (PC) ROSE, IRWIN A, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Carbohydrate metabolism in rod blood and tumor cells (human).
- 801AM-17322-01 (PC) ROSENTHAL, GERALD A, UNIVERSITY OF KENTUCKY, 104 FUNGHOUSE BUILDING, LEXINGTON, KY. Enzymology of arginine and canavanine biosynthesis (plants, mammals, bacteria).
- 801AM-17323-02 (MCHA) KENYON, GEORGE L, UNIVERSITY OF CALIFORNIA, SCHOOL OF PHARMACY, SAN FRANCISCO, CALIF. Active site of creatine kinase from rabbit muscle.
- 801AM-17325-02 (PC) SPIRO, ROBERT G, ELLIOTT P JOSLIN RES LAB, 170 PILGRIM ROAD, BOSTON, MASS. The structure of glycoproteins (human, cattle, mollusks, annelids, rats, mice).
- 801AM-17326-02 (END) FLEISCHER, NORMAN S, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Studies of pituitary hormone secretion and synthesis.
- 801AM-17327-01 (HBM) STEINER, MANFRED, MEMORIAL HOSPITAL, PROSPECT STREET, PAWTUCKET, R I. Erythroblastemia and sideroblastic anemia (human).
- P17AM-17328-01 (SSS) GROSSMAN, MORTON I, WADSWORTH VA HOSPITAL CENTER, WILSHIRE & SAWTELLE BLVD, LOS ANGELES, CALIF. Peptic ulcer center.
- P17AM-17328-01 0001 (SSS) DIAMOND, J M. Peptic ulcer center-Hydrogen and other ionic permeation of GI mucosa (rabbit, bullfrog, human).
- P17AM-17328-01 0002 (SSS) FORDTRAN, J S. Peptic ulcer center-Antiacids in peptic ulcer treatment (human).
- P17AM-17323-01 0003 (SSS) FORDTRAN, J S. Peptic ulcer center-Gastric acid secretion after eating in duodenal ulcer patients.
- P17AM-17328-01 0004 (SSS) FORDTRAN, J S. Peptic ulcer center-Measurement of 'vagal tone' in duodenal ulcer (dogs, human).
- P17AM-17323-01 0005 (SSS) ISENBERG, J I. Peptic ulcer center-Postprandial acid load to duodenum in duodenal ulcer (human).
- P17AM-17328-01 0006 (SSS) ISENBERG, J I. Peptic ulcer center-Effect of single dose and long term calcium on gastric acid secretion (human).
- P17AM-17328-01 0007 (SSS) ISENBERG, J I. Peptic ulcer center-Parietal cell sensitivity in duodenal and nonduodenal ulcer (human).
- P17AM-17328-01 0003 (SSS) ISENBERG, J I. Peptic ulcer center-Effect of metiamide on basal and meal stimulated gastric acid (human).
- P17AM-17323-01 0009 (SSS) ISENBERG, J I. Peptic ulcer center-Accuracy of duodenal ulcer diagnostic tests (human).
- P17AM-17328-01 0010 (SSS) ISENBERG, J I. Peptic ulcer center-Pain relief by antacids (human).
- P17AM-17328-01 0011 (SSS) ISENBERG, J I. Peptic ulcer center-Synthetic secretion treatment of duodenal ulcer (human).
- P17AM-17328-01 0012 (SSS) PASSARO, E P. Peptic ulcer center-Zollinger-Ellison syndrome (human).
- P17AM-17328-01 0013 (SSS) PASSARO, E P. Peptic ulcer center-Studies on vagotomy (human).
- P17AM-17328-01 0014 (SSS) SAMLOFF, I M. Peptic ulcer center-Diagnosis, treatment and prevention of peptic ulcer (human).
- P17AM-17328-01 0015 (SSS) STURDEVANT, R. Peptic ulcer center-Causes of relapse of duodenal ulcer (human).
- 801AM-17329-02 (HBM) JENKINS, DAVID E, JR, VANDERBILT UNIVERSITY, DEPT OF MEDICINE, NASHVILLE, TENN. Human rod cell, antibody and complement interactions.
- 801AM-17330-02 (GMA) PESCE, AMADEO J, UNIVERSITY OF CINCINNATI, 234 GOODMAN STREET, CINCINNATI, OHIO. Transport of albumin and its fragments by kidney (human, rats, rabbits, cattle).
- 801AM-17331-02 (MCHB) COHEN, IRWIN A, C U N Y - BROOKLYN COLLEGE, BEDFORD AVE & AVENUE H, BROOKLYN, N Y. Organo metallic derivatives of biological compounds.
- 801AM-17332-01 (END) PITTMAN, CONSTANCE S, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Action and metabolism of thyroid hormones (human, rats).
- 801AM-17334-02 (END) PARKER, DONALD C, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Release of HGH, HPRL, MGH and HFSH in sleep-wake cycles (human).
- 801AM-17335-02 (BBCA) ALLEWELL, NORMA M, WESLEYAN UNIVERSITY, DEPARTMENT OF BIOLOGY, MIDDLETOWN, CONN. Calorimetric analysis of aspartate transcarbamylase.
- 801AM-17336-01 (PHY) STEVENS, ERNEST D, DEPARTMENT OF ZOOLOGY, 2538 THE MALL, HONOLULU, HAWAII. Mechanism of heat production during cold adaptation (mice).
- 801AM-17338-01 (HBM) PORTER, F STANLEY, DUKE UNIVERSITY, POST OFFICE BOX 2916, DURHAM, N C. Iron loading in sickle cell disease (human, rabbits).
- 801AM-17341-01 (GMB) BUCKALEW, VARDAMAN M, JR, BOWMAN GRAY OF WAKE FOREST, 300 SOUTH HAWTHORNE ROAD, WINSTON-SALEM, N C. Humoral inhibitor of sodium transport (human, rats, dogs, toads).
- 801AM-17344-04 (GMB) SINGER, IRWIN, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Renal ion transport-Fixd-charge membrane model (toads).
- 801AM-17346-01 (BDCB) COHEN, CAROLYN, ROSENSTIEL BASIC MED SCS, BRANDEIS UNIVERSITY, WALTHAM, MASS. Muscle structure and contractile mechanism (human, chickens, invertebrates).
- 801AM-17347-02 (MET) SZABO, ANDREW J, NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AT 106TH STREET, NEW YORK, N Y. Insulin sensitive glucose regulator in the CNS (rats, dogs, mice).
- 801AM-17348-01 (HBM) RANNIY, HELEN M, UNIV OF CALIFORNIA, SAN DIEGO, DEPT OF MED, P O BOX 109, LA JOLLA, CALIF. Properties of hemoglobin (human, rats).
- 801AM-17350-02 (BDCB) LOWEY, SUSAN, BRANDEIS UNIVERSITY, BASIC MEDICAL SCIENCES CTR, WALTHAM, MASS. Chemistry of muscle proteins (chickens, lobster).
- 801AM-17351-02 (ALY) BING, DAVID H, CENTER FOR BLOOD RESEARCH, 800 HUNTINGTON AVENUE, BOSTON, MASS. Specificity of serum complement proteins (human).
- 801AM-17357-01 (AFY) OSCAL, LAWRENCE B, UNIVERSITY OF ILLINOIS, CHICAGO CIRCLE, BOX 4348, CHICAGO, ILL. Effect of exercise on adipose tissue cellularity (rats).
- 801AM-17359-01 (AFY) BAKER, BRUCE E, S U N Y - UPSTATE MEDICAL CTR, 750 EAST ADAMS STREET, SYRACUSE, N Y. Enhancement of articular cartilage repair (mammals).
- 801AM-17360-01 (PTHA) MOSES, HAROLD L, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Liver pathology in experimental porphyria (rats, chick embryo).
- 801AM-17361-01 (PHY) WHITE, JOHN F, EMORY UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, ATLANTA, GA. Gut sugar transport-Electrophysiology and energetics.
- 801AM-17362-01 (SOYA) WRIGHT, HASTINGS K, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Intestinal absorption after bowel resection (human).
- 801AM-17365-01 (HBM) RAFFIN, STEVEN B, UNIVERSITY OF CALIFORNIA, 3RD AVENUE AND PARNASSUS, SAN FRANCISCO, CALIF. Intestinal absorption of hemoglobin iron (rats).
- 801AM-17369-01 (NTN) LOPLAND, HUGH B, JR, BOWMAN GRAY SCHOOL OF MEDICINE, 300 SOUTH HAWTHORNE ROAD, WINSTON-SALEM. Atherosclerosis therapy and cholelithiasis (monkeys, human).
- 801AM-17370-01 (GMA) LAZARUS, GERALD S, MONTEFIORE HOSP & MED CTR, 111 EAST 210TH STREET, BRONX, N Y. Mechanisms of proteolysis in human skin.
- 801AM-17372-01 (PHY) DI BONA, DONALD R, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Regulation of extracellular transepithelial transport.
- 801AM-17374-03 (PTHA) WITZLEBEN, CAMILLUS L, CHILDREN'S HOSPITAL, 1740 BANBRIDGE ST, PHILADELPHIA, PA. Manganese-induced model of hepatic disease (rats).
- 801AM-17376-02 (ALY) SPITZER, ROGER E, S U N Y - UPSTATE MEDICAL CTR, 750 EAST ADAMS STREET, SYRACUSE, N Y. Transplant rejection and C 3 conversion inhibition (human, dogs).
- 801AM-17387-01 (AMP) EARLEY, LAURENCE E, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Physiology and pathophysiology of kidney function.
- 801AM-17387-01 0001 (AMP) EARLEY, LAURENCE E. Physiology and pathophysiology of kidney function-Control of renin release (dogs, rats).
- 801AM-17387-01 0003 (AMP) EARLEY, LAURENCE E. Physiology and pathophysiology of kidney function-Transepithelial absorption (rats).
- 801AM-17387-01 0009 (AMP) EARLEY, LAURENCE E. Physiology and pathophysiology of kidney function-Regulation of tubular reabsorption (rats).
- 801AM-17387-01 0010 (AMP) EARLEY, LAURENCE E. Physiology and pathophysiology of kidney function-Intrarenal control of GFR (rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1AM-17387-01 0011 (AMP) EARLEY, LAURENCE E. Physiology and pathophysiology of kidney function—Relations between sodium reabsorption and oxygen consumption.
- RO1AM-17388-02 (ALY) GOTOFF, SAMUEL P, MICHAEL REESE HOSP & MED CENT, 2901 S ELLIS AVENUE, CHICAGO, ILLINOIS. Immunologic studies in glomerulonephritis (human, rabbits).
- RO1AM-17389-01 (CBY) JAMIESON, JAMES D, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cell secretion and membrane formation in the pancreas (guinea pigs, rabbits).
- RO1AM-17398-02 (MET) SABESIN, SEYMOUR M, UNIVERSITY OF TENNESSEE, 951 COURT STREET, MEMPHIS, TENN. Pathologic effects on cells of modified lipoproteins (rats).
- RO1AM-17403-01 (MET) DI GIROLAMO, MARIO, EMORY UNIVERSITY, 69 BUTLER STREET, S E, ATLANTA, GA. Control metabolism of glucose metabolism in fat cells (rodents, rabbits, human).
- RO1AM-17408-01 (AFY) WALKER, PETER S, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70 STREET, NEW YORK, N Y. Laxity in normal, arthritic and prosthetic knee joints (human).
- RO1AM-17414-01 (PHY) SCHAEFFER, JOHN F, TUFTS UNIVERSITY, BIOLOGY DEPARTMENT, MEDFORD, MASS. Molecular aspects of NA-coupled transport.
- RO1AM-17415-01 (MET) BERLIN, RICHARD D, UNIVERSITY OF CONNECTICUT, FARMINGTON, CONN. Regulation of supply of utilizable purines by liver (rabbits, rats E coli K12).
- RO1AM-17420-01 (BBCA) HRUBY, VICTOR J, UNIVERSITY OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Peptide hormone structure and function.
- RO1AM-17423-01 (GMA) PUHVEL, S MADU, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Acne—Isolated sebaceous follicles (human).
- RO1AM-17427-01 (NTN) LICHTON, IRA J, 1825 EDMONDSON ROAD, HONOLULU, HAWAII 96822. Anorexic substance in urine (rats, human).
- RO1AM-17428-01 (NTN) BROWN, GORONWY O, JR, ST LOUIS UNIVERSITY HOSP, 1325 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Anemia of vitamin E deficiency.
- RO1AM-17431-01 (MET) REICANT, LILLIAN, VETERANS ADMINISTRATION HOSP, 50 IRVING ST, N W DIABETES LAB, WASHINGTON, DC. Role of cAMP in insulin and glucagon secretion (human, mice, rats).
- RO1AM-17432-01 (AFY) PERRY, JACQUELIN, RANCHO LOS AMIGOS HOSP, 12826 HAWTHORN, DOWNEY, CALIF. Quantitated function correlated with physical impairment.
- PO1AM-17433-01 (SSS) GIEBISCH, GERHARD H, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cardiovascular, metabolic aspects of membrane transport.
- PO1AM-17433-01 0001 (SSS) GIEBISCH, GERHARD D. Cardiovascular, metabolic aspects of membrane transport—Ion transport across single nephrons (Necturus, Amphiuma, rats).
- PO1AM-17433-01 0002 (SSS) BOULPAEP, EMILE L. Cardiovascular, metabolic aspects of membrane transport—Functional structure of renal tubule (Necturus, flounders).
- PO1AM-17433-01 0003 (SSS) WRIGHT, FRED S. Cardiovascular, metabolic aspects of membrane transport—Cellular mechanisms of sodium and potassium transport (rats, amphiuma).
- PO1AM-17433-01 0004 (SSS) HAYSLETT, JOHN P. Cardiovascular, metabolic aspects of membrane transport—Renal handling of lithium and its effect on nephron function (rats, hamsters).
- PO1AM-17433-01 0005 (SSS) HAYSLETT, JOHN P. Cardiovascular, metabolic aspects of membrane transport—Changes in renal mass and glomerular filtration due to reduced function (rats).
- PO1AM-17433-01 0006 (SSS) HAYSLETT, JOHN P. Cardiovascular, metabolic aspects of membrane transport—Potassium excretion in renal insufficiency (rats).
- PO1AM-17433-01 0007 (SSS) HAYSLETT, JOHN P. Cardiovascular, metabolic aspects of membrane transport—Renal handling of sodium in hypertension (rats).
- PO1AM-17433-01 0008 (SSS) PORREST, JOHN N. Cardiovascular, metabolic aspects of membrane transport—Effects of lithium on renal function (rats, human).
- PO1AM-17433-01 0009 (SSS) SIEGEL, NORMAN J. Cardiovascular, metabolic aspects of membrane transport—Renal hemodynamics in renal disorders (rats).
- PO1AM-17433-01 0010 (SSS) CURRAN, PETER F. Cardiovascular, metabolic aspects of membrane transport—Ion transport in intestine (rabbits, guinea pigs).
- PO1AM-17433-01 0011 (SSS) BIBER, THOMAS. Cardiovascular, metabolic aspects of membrane transport—Potassium and sodium transport in Amphiuma bladder.
- PO1AM-17433-01 0012 (SSS) WELT, LOUIS G. Cardiovascular, metabolic aspects of membrane transport—Electrolyte transport defects in uremia (human).
- PO1AM-17433-01 0013 (SSS) WELT, LOUIS G. Cardiovascular, metabolic aspects of membrane transport—Hereditary defect in erythrocyte transport (human).
- PO1AM-17433-01 0014 (SSS) WELT, LOUIS G. Cardiovascular, metabolic aspects of membrane transport—Erythrocyte transport defect in cancer (human).
- PO1AM-17433-01 0015 (SSS) SACHS, JOHN R. Cardiovascular, metabolic aspects of membrane transport—Cation transport and metabolism in abnormal red cells (human).
- PO1AM-17433-01 0016 (SSS) HOFFMAN, JOSEPH F. Cardiovascular, metabolic aspects of membrane transport—Cation transport mechanisms in normal and abnormal cell (human, goat, sheep, dog).
- PO1AM-17433-01 0017 (SSS) HOFFMAN, JOSEPH F. Cardiovascular, metabolic aspects of membrane transport—Anion transport defects in red cells (human).
- PO1AM-17433-01 0018 (SSS) ADELBERG, EDWARD A. Cardiovascular, metabolic aspects of membrane transport—Membrane transport mutants of somatic cells (human, mice).
- PO1AM-17433-01 0019 (SSS) SLAYMAN, CLIFFORD L. Cardiovascular, metabolic aspects of membrane transport—Ion transport and electrogenesis of isolated cells (E coli, fungi, mitochondria).
- PO1AM-17433-01 0020 (SSS) TSHEN, R W. Cardiovascular, metabolic aspects of membrane transport—Electrogenic sodium transport in cardiac Purkinje cells (mammals).
- PO1AM-17433-01 0021 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Structure of epithelium in extracellular shunt of renal tubules (Necturus, rats).
- PO1AM-17433-01 0022 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Epithelium structure and renal vascular changes in acute renal failure (rats).
- PO1AM-17433-01 0023 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Distal nephron structure after potassium loading and in uremia (rats).
- PO1AM-17433-01 0024 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Functional morphology of the urinary bladder (Amphiuma).
- PO1AM-17433-01 0025 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Renal tubule ultrastructural changes after lithium administration (rats).
- PO1AM-17433-01 0026 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Nephron structural changes in decreased total renal mass (rats).
- PO1AM-17433-01 0027 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Ultrastructure of medullary interstitial cells and JGA in hypertensive rats.
- PO1AM-17433-01 0028 (SSS) KASHGARIAN, MICHAEL. Cardiovascular, metabolic aspects of membrane transport—Control of glomerular filtration in the teleost (trout).
- RO1AM-17434-01 (HEM) MERRITS, RUSSEL H, UNIVERSITY OF NEBRASKA, DEPARTMENT OF ZOOLOGY, LINCOLN, NEBR. Hemopoietic stem cell surface characters (mice, rats).
- RO1AM-17436-01 (MET) BARNES, EUGENE M, JR, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Regulation of transport in mammalian cells (Chinese hamsters).
- RO1AM-17438-01 (PHRA) STEINER, ALTON L, UNIV OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Physiologic roles of cyclic GMP and cyclic AMP (dogs, rats).
- RO1AM-17442-01 (MCHA) ZOLTOWICZ, JOHN A, UNIVERSITY OF FLORIDA, DEPARTMENT OF CHEMISTRY, GAINESVILLE, FLA. Enzymatic thiamine cofactor catalysis—Model systems.
- RO1AM-17447-01 (END) GARDNER, ROBERT S, UNIVERSITY OF IOWA, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Mechanisms of thyroid hormone action (rats, guinea pigs).
- RO1AM-17453-02 (GMA) TANAKA, KAY, YALE UNIV SCHOOL OF MED, DEPT OF HUMAN GENETICS, NEW HAVEN, CONN. Biochemical studies of hepatic encephalopathy (human, rats).
- RO1AM-17454-01 (MCHA) COLLINS, KIM D, BAYLOR COLLEGE OF MEDICINE, DEPT OF BIOCHEMISTRY, HOUSTON, TEX. Hormone metabolizing and binding proteins (human).
- RO1AM-17456-02 (MET) FLATT, JEAN-PIERRE, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Fat mobilization and protein sparing therapy (human, rats).
- RO1AM-17458-01 (BBCB) AMMON, HERMAN L, UNIVERSITY OF MARYLAND, DEPARTMENT OF CHEMISTRY, COLLEGE PARK, MD. Conformational analysis of thyroid hormone analogs.
- RO1AM-17459-01 (GMB) NEER, ROBERT M, MASSACHUSETTS GENERAL HOSPITAL, ENDOCRINE UNIT, BOSTON, MASS. Environmental light calciferol and calcium homeostasis (swine, human).
- RO1AM-17463-01 (PC) GLEW, ROBERT H, UNIVERSITY OF PITTSBURGH, DEPT OF BIOCHEMISTRY, PITTSBURGH, PA. Gaucher's disease—enzymology and approach to therapy (human, rats).
- RO1AM-17468-01 (PHRA) MC CAULEY, ROY B, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Immunochemical studies of multiple forms of MAO.
- RO1AM-17469-01 (IMB) HAHN, BEVRA H, WASHINGTON UNIVERSITY, 4566 SCOTT AVENUE, ST LOUIS, MO. SLE and drug induced LE—Pathogenesis and therapy (human, mice).
- RO1AM-17475-01 (SGYB) ROSENTHAL, RONALD E, VANDERBILT UNIVERSITY, DEPT OF ORTHOPEDIC SURGERY, NASHVILLE, TENN. The synovial response to acute trauma (rabbits).
- RO1AM-17476-01 (MBY) MASORO, EDWARD J, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Physiologic regulation of lipid metabolism (rats).
- RO1AM-17477-01 (BIO) SPIRO, ROBERT G, ELLIOTT P JOSLIN RESEARCH LAB, 170 PILGRIM ROAD, BOSTON, MASS. Biosynthesis of glycoproteins (rodents, cattle).
- RO1AM-17482-01 (AFY) HILLBERRY, B M, PURDUE UNIVERSITY, SCH OF MECHANICAL ENGINEERING, LAFAYETTE, IND. Effect of joint motion on articular cartilage (dogs).
- RO1AM-17483-01 (BBCB) CHEUNG, HERBERT C, UNIVERSITY OF ALABAMA, DEPT OF BIOMATHEMATICS, BIRMINGHAM, ALA. Rapid kinetic studies of myosin adenosinetriphosphatase (rabbit).
- RO1AM-17484-01 (RAD) PATTON, JAMES A, VANDERBILT UNIVERSITY, 21ST AVENUE SOUTH, NASHVILLE, TENN. An evaluation of XRF scanning in thyroid disease (human).
- RO1AM-17485-01 (PTHA) TORACK, RICHARD M, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Capillary permeability in experimental diabetes (rats).
- RO1AM-17486-01 (PTHA) TAUXE, WELBY N, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Identification of carrier state of Wilson's disease (human).
- RO1AM-17489-01 (PC) SMITH, STUART, CHILDREN'S HOSPITAL, 51ST & GROVE STREETS, OAKLAND, CALIF. Fatty acid synthesis—Chain length modifier protein (rats).
- RO1AM-17492-02 (CBY) NACHMIAS, VIVIANNE T, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA. Cytoplasmic streaming and contractile proteins (fungi).
- RO1AM-17495-01 (BBCA) JORDAN, FRANK, RUTGERS UNIVERSITY, 40 RECTOR STREET, NEWARK, N J. Probes of thiamine pyrophosphate, Mg(11) enzymes.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01AM-17496-01 (PHRA) GOODMAN, H MAURICE, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Role of hormones in stress.
- R01AM-17497-01 (BBCB) SAMULSKI, EDWARD T, UNIVERSITY OF CONNECTICUT, DEPT OF CHEMISTRY U-60, STORRS, CONN. NMR relaxation in polypeptide liquid crystal.
- R01AM-17498-01 (HEAM) GOLDWASSER, EUGENE, 950 EAST 59TH STREET, CHICAGO, ILL. Formation of erythropoietin in cell culture (human, animals).
- R01AM-17503-01 (GMB) WEN, SUNG-FENG, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Micropuncture study of renal glucose transport (dog).
- R01AM-17509-01 (GMA) DONALDSON, ROBERT M, JR, VETERANS ADMINISTRATION HOSP, WEST SPRING STREET, WEST HAVEN, CONN. Binding and transport functions of intestinal microvilli (hamsters, rats, dogs).
- R01AM-17517-01 (BBCB) REED, GEORGE H, UNIVERSITY OF PENNSYLVANIA, A N RICHARDS BUILDING, PHILADELPHIA, PA. NMR studies of phospholipase A2-Micellar systems (swine, snakes).
- R01AM-17521-01 (NTN) ECHNER, EDWARD R, LOUISIANA STATE UNIVERSITY, POST OFFICE BOX 3932, SHREVEPORT, LA. Effect of ethanol and other drugs on folate metabolism (human).
- R01AM-17523-01 (GMA) CAREY, ROBERT M, UNIVERSITY OF VIRGINIA, DEPT OF INTERNAL MEDICINE, CHARLOTTESVILLE, VA. Gastrointestinal tract in control of sodium excretion (rabbits).
- R01AM-17524-01 (SSS) HARRISON, GUNYON M, TEXAS INST FOR REHAB & RES, 1333 MOURSUND, HOUSTON, TEX. Role of ciliostatic factor in cystic fibrosis.
- R01AM-17524-01 0001 (SSS) HARRISON, GUNYON M. Role of ciliostatic factor in cystic fibrosis-Isolation of the ciliostatic factor (human).
- R01AM-17524-01 0002 (SSS) HARRISON, GUNYON M. Role of ciliostatic factor in cystic fibrosis-Ciliostatic reversal by heparin therapy (human, oysters).
- R01AM-17524-01 0003 (SSS) DIFERRANTE, NICOLE. Role of ciliostatic factor in cystic fibrosis-Effects of ciliary inhibitor on cultured skin fibroblast (human, oysters).
- R01AM-17524-01 0004 (SSS) STOUFFER, JOHN E. Role of ciliostatic factor in cystic fibrosis-Regulatory control of membrane phospholipids in CF (human).
- R01AM-17524-01 0005 (SSS) NELSON, THOMAS E. Role of ciliostatic factor in cystic fibrosis-Biogenic amine binding to carbohydrases and ciliostasis (human).
- R01AM-17526-01 (GMA) MANSBACH, CHARLES M, DUKE UNIVERSITY, DURHAM, N C. Chylomicron lecithin-Pathways of origin in intestine (rats).
- R01AM-17529-01 (MET) WEINREB, NEAL J, MT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N Y. Biochemical and clinical studies in Gaucher's disease (human).
- R01AM-17533-01 (BBCA) WAYLAND, BRADFORD B, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF CHEMISTRY, PHILADELPHIA, PA. Metalloporphyrin-Heme protein model relationships.
- R01AM-17535-01 (PC) HURST, ROBERT E, 1720 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. High resolution separations of glycosaminoglycans.
- R01AM-17537-02 (GMA) TRIER, JERRY S, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Functional morphology of the alimentary tract (human, rat, rabbits).
- R01AM-17538-10 (VISA) SISSON, JAMES C, UNIVERSITY OF MICHIGAN, 1405 EAST ANN STREET, ANN ARBOR, MICH. Mucopolysaccharide metabolism in exophthalmos (human).
- R01AM-17542-01 (ALY) HUNT, JOHN B, CATHOLIC UNIV OF AMERICA, DEPT OF CHEMISTRY, WASHINGTON, D C. Structure and immunology of urinary glycoprotein (human, rabbits).
- R01AM-17545-01 (BND) BOGDANOV, EMANUEL M, VIRGINIA COMMONWEALTH UNIV, 1200 E BROAD STREET, RICHMOND, VA. Qualitative factors in anterior pituitary regulation.
- R13AM-17546-01 (SSS) JOHNSON, PAUL E, NATL ACAD OF SCI-NATL RES CNCL, 2101 CONSTITUTION AVENUE, WASHINGTON, D C. Workshop conference on folic acid.
- R01AM-17549-01 (BM) LEVISON, MATTHEW E, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Short chain fatty acids in hepatic coma (human, bacteria).
- R01AM-17550-01 (NTN) HUGHES, EDWIN R, UNIVERSITY OF SOUTH ALABAMA, 307 UNIVERSITY BOULEVARD, MOBILE, ALA. Nutritional (manganese) deficiency and lysosomal function (chickens).
- R01AM-17551-02 (PC) WARREN, WILLIAM A, DIV OF LABORATORIES & RESEARCH, NEW SCOTLAND AVENUE, ALBANY, N Y. Enzymatic and nonenzymatic reactions of glyoxylate (animals, plants, bacteria).
- R01AM-17552-02 (PC) COLMAN, ROBERTA F, UNIVERSITY OF DELAWARE, CHEMISTRY DEPARTMENT, NEWARK, DEL. Effect of coenzymes on enzyme structure and function (swine).
- R01AM-17554-01 (ALY) TOMASI, THOMAS B, JR, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN. The IgA of globulins of serum and external secretions.
- R01AM-17554-01 0001 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Structure and binding of J chain (human, rabbits).
- R01AM-17554-01 0003 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Structure and binding of secretory component (cows).
- R01AM-17554-01 0003 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Stabilization of dimeric gamma A by J chain and S.C.
- R01AM-17554-01 0004 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Gamma A plasma cells (mice).
- R01AM-17554-01 0005 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Immunoglobulin class suppression in the mouse.
- R01AM-17554-01 0006 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Protohytic fragments of gamma M.
- R01AM-17554-01 0007 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-H chain disease.
- R01AM-17554-01 0008 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Investigation of gamma M subunit disease (human).
- R01AM-17554-01 0009 (ALY) TOMASI, THOMAS B JR. The IgA of globulins of serum and external secretions-Antibodies of milk proteins (human).
- R01AM-17555-01 (ALY) ROSSEN, ROGER D, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. A role for antiglobulin in glomerulonephritis (human, rabbits).
- R01AM-17558-01 (MET) TUNG, ANTHONY K, DEPT OF PHYSIOLOGY, UNIV OF ARKANSAS MED CEN, LITTLE ROCK, ARK. Glucagon biosynthesis in islets of langerhans.
- R01AM-17559-01 (BBCB) COOKE, A ROGER, UNIVERSITY OF CALIFORNIA, 831 HSW, SAN FRANCISCO, CALIF. Molecular mechanism of muscle contraction.
- R01AM-17560-01 (MCHA) WELLS, JACK N, VANDERBILT UNIVERSITY, DEPT OF PHYSIOLOGY, NASHVILLE, TENN. Rigid non-steroidal anti-inflammatory agents.
- R01AM-17561-02 (BND) BURKE, GERALD, COOK COUNTY HOSPITAL, 1835 WEST HARRISON STREET, CHICAGO, ILL. Circulating inhibitor of LATS (human, rabbits, mice, dogs).
- R01AM-17562-01 (GMA) HOLZBACH, R THOMAS, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Biliary cholesterol solubility phenomena and nucleation.
- R01AM-17563-01 (BBCB) ARNONE, ARTHUR, UNIVERSITY OF IOWA, DEPT OF BIOCHEMISTRY, IOWA CITY, IOWA. X-ray studies of hemoglobin and regulatory enzymes (human, rabbit, bacteria).
- R01AM-17568-01 (PHY) STEINMETZ, PHILIP R, UNIVERSITY HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Epithelial organization of urinary acidification (turtles).
- R01AM-17570-01 (ENID) KELLY, WILLIAM G, UNIVERSITY HOSPITALS, MAYO MEMORIAL BLDG, BOX 395, MINNEAPOLIS, MINN. The metabolism of steroids (human, bacteria).
- R01AM-17571-01 (GMB) SHAMOO, ADL E, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Molecular mechanism of active transport.
- R01AM-17574-01 (PHY) ZIERLER, KENNETH L, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Fluxes across biomembranes and peptide hormone action (rats).
- R01AM-17575-01 (PHY) PUSCHETT, JULES B, ALLEGHENY GENERAL HOSPITAL, 320 E NORTH AVE, PITTSBURGH PA. Anionic transport in proximal tubule.
- R01AM-17578-01 (PTHA) LAGUNOFF, DAVID, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PATHOLOGY, SEATTLE, WASH. Beta-glucuronidase deficiency disease (human, mice).
- R01AM-17581-01 (SGYB) ORLOFF, MARSHALL J, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Studies of pancreas transplantation (rats, hamsters).
- R01AM-17585-01 (MET) YAGER, HOWARD S, MEDICAL COLLEGE OF OHIO, PO BOX 6190, TOLEDO, OHIO. Biosynthesis and secretion of peptide hormones (rats, cattle, swine).
- R01AM-17587-01 (BIO) FAHREN, LEONARD A, UNIVERSITY OF WISCONSIN, DEPARTMENT OF PHARMACOLOGY, MADISON, WIS. Regulation of mammalian amino acid metabolism (rats).
- R01AM-17591-01 (SGYB) RITCHIE, WALLACE P, JR, UNIVERSITY OF VIRGINIA, DEPARTMENT OF SURGERY, CHARLOTTESVILLE, VA. Mucosal resistance as a factor in gastric diseases (dogs, monkeys).
- R01AM-17593-01 (COM) TEWARSON, REGINALD P, S U N Y - AT STONY BROOK, DEPT OF APPLD MATH & STATIST, STONY BROOK, N Y. Numerical solution of renal transport equations.
- R01AM-17593-01 (PTHB) GRISHAM, JOE W, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PATHOLOGY, CHAPEL HILL, N C. Feedback mediators controlling DNA synthesis in liver (rats).
- R01AM-17607-01 (GMA) HOLLANDER, DANIEL, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. Fat soluble vitamins absorption emphasizing vitamin K (rats, human).
- R01AM-17608-01 (AFY) MORBLAND, MOREY S, UNIVERSITY OF VERMONT, DEPT OF ORTHOPEDIC SURGERY, BURLINGTON, VT. Morphologic changes after femoral rotation osteotomy (dogs).
- R01AM-17609-01 (PTHB) SHAFRITZ, DAVID A, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Protein synthesis in normal and regenerating liver (rabbits).
- R01AM-17610-01 (RAD) SEWE, BURTON, ALBERT EINSTEIN SCHOOL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Isotopic inert indicator for intestinal absorption (mice, dogs, human).
- R01AM-17612-01 (BIO) LISS, MAURICE, BOSTON COLLEGE, DEPT OF BIOLOGY, CHESTNUT HILL, MASS. Protein methylation in posterior pituitary function (swine).
- R01AM-17614-01 (AFY) HASSLER, CRAIG R, BATTELLE MEMORIAL INSTITUTE, 505 KING AVENUE, COLUMBUS, OHIO. Quantification of bone stresses during remodeling (rabbits).
- R01AM-17616-01 (PHY) MORTILLARO, NICHOLAS A, UNIVERSITY OF SOUTH ALABAMA, 307 UNIVERSITY BOULEVARD, MOBILE, ALA. Interactions of the intestinal starting forces.
- R01AM-17622-01 (HEM) LOWY, BERTRAM A, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Role of liver in erythrocyte nucleotide synthesis (rabbits, human).
- P17AM-17624-01 (SSS) VAN ITALLIE, THEODORE B, ST LUKE'S HOSPITAL, AMSTERDAM AVENUE & 114TH ST, NEW YORK, N Y. Obesity center.
- P17AM-17624-01 0001 (SSS) VANITALLIE, THEODORE B. Obesity center-Body nutrient reserves and feeding behavior (rats, mice).
- P17AM-17624-01 0002 (SSS) GREENWOOD, M R. Obesity center-DNA polymerase in adipose tissue of early postnatal rats.
- P17AM-17624-01 0003 (SSS) KATZEN, HOWARD. Obesity center-Adipose insulin receptor and its role in obesity (human).
- P17AM-17624-01 0004 (SSS) VANITALLIE, THEODORE B. Obesity center-Control of lipolysis in obesity (human).
- P17AM-17624-01 0005 (SSS) HASHIMA, S A. Obesity center-Adipose tissue fatty acid turnover in experimental obesity (rats).
- P17AM-17624-01 0006 (SSS) VANITALLIE, THEODORE B. Obesity center-Regulation of energy intake (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P17AM-17624-01 0007 (SSS) PISUNYER, F X. Obesity center-Role of ketone bodies in energy metabolism in lean and obese men.

P17AM-17624-01 0008 (SSS) LERNER, ROGER L. Obesity center-Hormonal responses to food related cues in lean and obese subjects.

P17AM-17624-01 0009 (SSS) VANITALLIE, THEODORE B. Obesity center-Rate and composition of weight loss as influenced by diet (human).

P17AM-17624-01 0010 (SSS) VANITALLIE, THEODORE B. Obesity center-Thyroid hormones and beta adrenergic blockade in obesity treatment (human).

P17AM-17624-01 0011 (SSS) PISUNYER, F X. Obesity center-Jejuno ileal shunt in morbid obesity (human).

P17AM-17624-01 0012 (SSS) LESSER, G T. Obesity center-Body composition and adipose blood flow in obesity (human).

P17AM-17624-01 0013 (SSS) HASHIM, S A. Obesity center-Medium chain triglyceride diet and adipose tissue cellularity (infants, children).

P17AM-17624-01 0014 (SSS) KNITTLE, JEROME L. Obesity center-Pediatric and obstetric division.

P17AM-17624-01 0015 (SSS) VANITALLIE, THEODORE B. Obesity center-Clinical study and treatment of adult obesity.

RO1AM-17631-01 (GEN) LEBER, EDWARD H, JACKSON LABORATORY, BAR HARBOR, MAINE. Genetic control of hyperplasia in the endocrine pancreas (mice).

RO1AM-17632-01 (PHY) SZURSZEWski, JOSEPH H, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Neurophysiological control of GI motility (guinea pigs, rats, rabbits).

RO1AM-17634-01 (END) HEMBREE, WYLLIE C, 3D, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Endocrine aspects of peptide hormone metabolism (rats, primates).

RO1AM-17641-01 (PTHA) GARDNER, KENNETH D, JR, DEPT OF MEDICINE, UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, N MEX. Comparative study of renal cystic diseases in rats.

RO1AM-17642-01 (GMB) EDWARDS, BRIAN R, DEPT OF PHYSIOLOGY, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. Correlation of sodium and calcium transport in renal tubules (rats).

RO1AM-17645-01 (END) HINTZ, RAYMOND L, UNIVERSITY OF CONNECTICUT, ROOM 5086, FARMINGTON, CONN. Somatomedin-in vivo and in vitro actions (rats, chicks).

RO1AM-17647-01 (GMB) TUNE, BRUCE M, STANFORD UNIVERSITY, DEPARTMENT OF PEDIATRICS, STANFORD, CALIF. Renal transport and interaction of organic acid drugs (rabbits).

RO1AM-17650-01 (END) MULDOON, THOMAS G, MEDICAL COLLEGE OF GEORGIA, DEPT OF ENDOCRINOLOGY, AUGUSTA, GA. Factors controlling steroid hormone receptor activity (rats).

RO1AM-17660-01 (MET) HARTMAN, ARTHUR D, UNIVERSITY OF ILLINOIS, 901 S WOLCOTT STREET, CHICAGO, ILL. Adipocyte metabolism as related to cell size (rats).

RO1AM-17664-01 (MET) BLAIR, JAMES B, WEST VIRGINIA UNIVERSITY, DEPT OF BIOCHEMISTRY, MORGANTOWN, W VA. Hormonal regulation of gluconeogenesis (rat liver).

RO1AM-17666-01 (AFY) TERJUNG, RONALD L, UNIVERSITY OF ILLINOIS, 524 BURRILL HALL, URBANA, ILL. Adaptations induced by exercise training (rats).

RO1AM-17666-01 (MET) CURRY, DONALD L, UNIVERSITY OF CALIFORNIA, SCH OF VETERINARY MEDICINE, DAVIS, CALIF. Factors controlling and modifying insulin secretion (rats, hamsters).

RO1AM-17672-01 (BIO) VAN PILSUM, JOHN P, UNIVERSITY OF MINNESOTA, 227 MILLARD HALL, MINNEAPOLIS, MINN. Regulation of kidney transaminase activities (rat).

RO1AM-17676-01 (GMB) RECTOR, FLOYD C, JR, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS, 1080 HSE, SAN FRANCISCO, CALIF. Regulation of electrolyte water and acid-base balance.

RO1AM-17679-01 (END) YATES, FRANCIS E, UNIV OF SOUTHERN CALIFORNIA, OLIN HALL 500, BIOMED ENGR, LOS ANGELES, CALIF. Analysis of glucocorticoid system functions (rats, dogs).

RO1AM-17684-01 (GMA) FALCHUK, Z MYRON, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Pathogenesis of colic sprue and regional enteritis (human).

RO1AM-17685-01 (GMA) CLARK, SUSANNE B, ST LUKE'S HOSPITAL CENTER, 421 WEST 113 STREET, NEW YORK, N Y. Mechanisms of chylomicron cholesterol homeostasis (rats).

RO1AM-17687-01 (GMA) WUEPPER, KIRK D, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Epidermal transglutaminase-Role in keratinization.

RO1AM-17692-01 (PHRA) IGNARRO, LOUIS J, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Control of enzyme release from human neutrophils.

RO1AM-17697-01 (PTHA) BROWN, DAVID M, UNIVERSITY OF MINNESOTA, MEDICAL SCHOOL, MINNEAPOLIS, MINN. Islets transplantation and diabetic vascular disease (rats).

P17AM-17702-01 (SSS) ARIAS, IRWIN M, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, NEW YORK, N Y. Hepatitis cirrhosis center.

P17AM-17702-01 0001 (SSS) ARIAS, IRWIN M. Hepatitis cirrhosis center-Liver transport and metabolism of organic anions (human, rodent, rabbit, monkey).

P17AM-17702-01 0002 (SSS) LITOWSKY, IRVING. Hepatitis cirrhosis center-Structure of Y and Z proteins and their complexes with organic ions (human, rats).

P17AM-17702-01 0003 (SSS) SHAPRITZ, DAVID A. Hepatitis cirrhosis center-Hepatic protein synthesis (rabbits, marmosets, clams).

P17AM-17702-01 0004 (SSS) SEIFTER, SAM. Hepatitis cirrhosis center-Collagen in hepatic fibrosis (mice, rats).

P17AM-17702-01 0005 (SSS) SEIFTER, SAM. Hepatitis cirrhosis center-Pharmacologic prevention and treatment of cirrhosis (swine, rodents).

P17AM-17702-01 0006 (SSS) GARTNER, LAWRENCE M. Hepatitis cirrhosis center-Pathophysiology of jaundice in the newborn (monkeys, children).

P17AM-17702-01 0007 (SSS) GARTNER, LAWRENCE M. Hepatitis cirrhosis center-Penicillamine in treatment of chronic active hepatitis in children and adults.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P17AM-17702-01 0008 (SSS) FLEISCHNER, GERALD. Hepatitis cirrhosis center-Australia antigen in hepatitis patients, carriers and families.

P17AM-17702-01 0009 (SSS) FLEISCHNER, GERALD. Hepatitis cirrhosis center-Australia antigen in molluscs (clams).

P17AM-17702-01 0010 (SSS) STERNLIEB, IRMAN. Hepatitis cirrhosis center-Organellar pathology in liver (human, rats).

P17AM-17702-01 0011 (SSS) LEVINE, WALTER G. Hepatitis cirrhosis center-Hepatic disposition of drugs and other xenobiotics (rats).

P17AM-17702-01 0012 (SSS) CORNELIUS, CHARLES E. Hepatitis cirrhosis center-Animal models (mammals, poultry, marine species).

RO1AM-17707-01 (GMB) GOLDSMITH, RALPH S, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Vitamin D metabolism in man.

RO1AM-17708-01 (NTN) PELLETT, PETER L, DEPT OF FOOD SCIENCE & NUTRITI, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Protein-energy relationships in malnutrition.

RO1AM-17713-01 (GMB) LOWENSTEIN, LEAH M, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. New cycle for ammonia production in the kidney (dogs, human, rats).

RO1AM-17717-01 (BDCB) MEYER, JOHN L, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Epitaxial relationships in urolithiasis.

RO1AM-17719-01 (BDCB) GILL, WILLIAM B, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Calcium oxalate supersaturation and crystallization.

RO1AM-17720-01 (BDCB) BENSUSAN, HOWARD B, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Non-collagenous portion of procollagen (cattle).

RO1AM-17722-01 (PTHA) COUSER, WILLIAM G, BOSTON UNIVERSITY, 780 HARRISON AVENUE, BOSTON, MASS. Immunologic mechanisms of glomerular injury (guinea pigs).

RO1AM-17723-01 (HEM) KIM, MYUN D, UNIVERSITY OF ARIZONA, PHYSIOLOGY DEPARTMENT, TUCSON, ARIZ. Membrane-limited metabolism in mammalian red cells (pigs).

RO1AM-17724-01 (PTHA) FARGUHAN, MARYLYN G, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Normal and pathologic glomerular capillaries (rats).

RO1AM-17733-01 (MET) WHILAN, WILLIAM J, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA 33152. Mechanism of starch digestion in mammals (rats).

RO1AM-17735-01 (HEM) MONETTE, FRANCIS C, BOSTON UNIVERSITY, 2 CUMMINGTON STREET, BOSTON, MASS. Cell cycle studies of hematopoietic progenitor cells (mice).

RO1AM-17741-01 (CBY) REDMAN, COLVIN M, NEW YORK BLOOD CENTER, 310 EAST 67TH STREET, NEW YORK, N Y. Effect of antimicrotubular agents on secretion (rats).

RO1AM-17742-01 (MAY) RONZIO, ROBERT A, MICHIGAN STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, EAST LANSING, MI 488. Role of glycoproteins in pancreatic secretion (rats, dogs).

RO1AM-17743-01 (GMB) COOPER, CARY W, UNIVERSITY OF NORTH CAROLINA, DEPT OF PHARMACOLOGY, CHAPEL HILL, N C. Calcium, calcemic hormones and gastrin (rats, swine).

RO1AM-17745-01 (BBCA) KRINSKY, NORMAN I, TUFTS UNIV SCH OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Mechanism of protective action of carotenoids (mice).

RO1AM-17750-01 (PHY) ALVARADO, FRANCISCO, UNIVERSITY OF PUERTO RICO, DEPARTMENT OF PHYSIOLOGY, SAN JUAN, P R. Functional organization of the intestinal brush border (guinea pigs, mammals).

RO1AM-17752-01 (PC) SPIRO, MARY J, ELLIOTT P JOSLIN RES LAB, 170 PILGRIM ROAD, BOSTON, MASS. Studies on thyroglobulin (human, guinea pigs).

RO1AM-17766-01 (MAY) LAZAROW, ARNOLD, UNIVERSITY OF MINNESOTA, 262 JACKSON HALL, MINNEAPOLIS, MINN. Selective differentiation-Human islet organ culture (fetal).

RO1AM-17767-01 (GMA) HALL, CHARLES A, VETERANS ADMINISTRATION HOSP, RESEARCH SERVICE, ALBANY, N Y. Transcobalamin II in the transport of vitamin B-12 (dogs, human).

RO1AM-17771-01 (SSS) HOLSCLAW, DOUGLAS S, HAHNEMANN MED COLL & HOSPITAL, 230 NORTH BROAD STR, PHILADELPHIA, PA. Lung mucociliary clearance and mucous rheology (dogs).

RO1AM-17772-01 (MAY) GLUCK, DAVID, STAMFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Quantitative histochemistry of gastric acid secretion (rats).

RO1AM-17773-01 (SSS) MUNRO, GEORGE F, NATL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Polyamine metabolism and function in cystic fibrosis (human).

RO1AM-17775-01 (SSS) DRYSDALE, JAMES W, TUFTS UNIV SCHOOL OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Structure and metabolism of isoferritins (human, horse, rat, mice, rabbits).

RO1AM-17776-01 (SSS) AVRUCH, JOSEPH, MASSACHUSETTS GENERAL HOSP, 32 FRUIT STREET, BOSTON, MASS. Phosphopeptide metabolism in adipocytes (rats).

RO1AM-17779-01 (PC) HARPER, BLVIN, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Degradative mechanisms of collagen in health and disease (amphibian, human).

RO1AM-17708-01 (CBY) FARGUHAN, MARYLYN G, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Secretion in pituitary and other cells (rabbits, rats).

RO1AM-17783-01 (SSS) BAICH, ANNETTE, SOUTHERN ILLINOIS UNIVERSITY, BIOLOGY DEPARTMENT, EDWARDSVILLE, ILL. Proline, glycine and collagen formation (chick embryo, rats).

RO1AM-17735-01 (GMA) DBAL, DAVEY R, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CTR, SAN FRANCISCO, CALIF. Bile salt transport in hepatocytes (rats).

RO1AM-17783-01 (SSS) KOLLENBERG, PAUL G, DUKE UNIV MEDICAL CENTER, DURHAM, N C. Enzymatic basis of bile acid conjugation (rats, guinea pigs, rabbits).

RO1AM-17789-01 (SGYA) HOWARD, JOHN M, MEDICAL COLLEGE, POST OFFICE BOX 6190, TOLEDO, OHIO. Pancreatitis and its treatment (swine, dogs).

RO1AM-17793-04 (PHY) ADLER, SHILDON, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. Relation of potassium, metabolism, hormones to cell pH (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1AM-17797-01 (CVB) O'MORCHOE, CHARLES C, UNIVERSITY OF MARYLAND, 29 SOUTH GREENE STREET, BALTIMORE, MD. The origin and formation of renal lymph (rats, dogs).
- RO1AM-17855-01 (GMB) LORENTZ, WILLIAM B, JR, DEPT OF PEDIATRICS, BOWMAN GRAY SCHOOL OF MEDICINE, WINSTON-SALEM, N C. Mechanism of cyclic AMP effect on renal transport.
- RO1AM-18061-01 (GMB) HAYSLETT, JOHN P, DEPT OF INTERNAL MED, YALE UNIV SCHOOL OF MED, NEW HAVEN, CONN. Cardiovascular and metabolic aspects of renal function (rats).
- RO1AM-18062-01 (BND) VALENTA, LUBOMIR J, MICHIGAN STATE UNIV, B220 LIFE SCIENCES BLDG, EAST LANSING, MICH. Thyroglobulin structure and thyroid hormone synthesis (human, sheep).
- RO1AM-18063-01 (GMB) RAISZ, LAWRENCE G, UNIVERSITY OF CONNECTICUT, FARMINGTON, CONN. Parathyroid and bone metabolism (rats).
- RO1AM-18064-01 (BND) SASSIN, JOHN F, UNIV OF CALIF, IRVINE, DEPARTMENT OF MEDICINE, ORANGE, CALIF. Growth hormone and steroid release in sleep (human).
- RO1AM-18064-01 (PHRA) RUBIN, RONALD P, VIRGINIA COMMONWEALTH UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, RICHMOND, VA. Action of calcium on secretion (cats, rabbits).
- RO1AM-18069-01 (SOVB) RADN, ERIC L, 300 LONGWOOD AVENUE, BOSTON, MASS. An investigation of joint degeneration (rabbits, human).
- RO1AM-18072-01 (GMB) KENNY, ALEXANDER D, UNIVERSITY OF TEXAS, UNIV OF TEXAS MEDICAL BRANCH, GALVESTON, TEX. Calcium homeostasis—Endocrine and comparative aspects (quail, rats, chipmunks).
- RO1AM-10074-01 (GMA) MC CARTY, DANIEL J, MILWAUKEE CNTY GENERAL HOSP, 8700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Crystal deposition diseases (human, rats, rabbits).
- RO1AM-18083-01 (MET) FRIEDMANN, NAOMI, UNIV OF TEXAS MED SCHOOL, TEXAS MEDICAL CENTER, HOUSTON, TEX. Ionic regulation of gluconeogenesis (rats, guinea pigs).
- RO1AM-18064-01 (BBCA) LINDENBAUM, SIEGFRIED, MC COLLUM LABORATORIES, 2065 AVENUE A CAMPUS WEST, LAWRENCE, KANS. Thermodynamic studies of bile acid micellar solutions.
- RO1AM-18087-01 (BIO) DAVIDOFF, FRANK P, UNIV OF CONNECTICUT HEALTH CTR, DEPT OF MEDICINE, FARMINGTON, CONN. Effect of guanidine derivatives on biological systems (mammals).
- RO1AM-18088-01 (GMA) FELSHER, BERTRAM F, LONG BEACH VA ADM HOSPITAL, 5901 E SEVENTH ST, LONG BEACH, CALIF. Hepatic bilirubin transport (human).
- RO1AM-18090-01 (GEN) JONES, ELIZABETH W, CARNEGIE-MELLON UNIV, MELLON INSTITUTE OF SCIENCE, PITTSBURGH, PA. Genetic regulation of tetrahydrofolate metabolism (fungi).
- RO1AM-18091-01 (GMA) LAMAR, CARLOS, JR, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Effect of vagotomy on hepatic regeneration (rats).
- RO1AM-18092-01 (MET) JUNGAS, ROBERT L, UNIV OF CONN HEALTH CENTER, FARMINGTON, CONN. Action of insulin on enzymes of adipose tissue (rats).
- RO1AM-18104-01 (MET) EHRLICH, EDWARD N, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, CHICAGO, ILL. Insulin mode of action in toad skins.
- RO1AM-18130-01 (BND) MERIMEE, THOMAS J, UNIV OF FLORIDA COLL OF MED, DEPT OF MED, GAINESVILLE, FLA. Insulin and human growth hormone—Secretion and metabolic actions.
- NO1AM-22200-04 (**) DYCK, PETER J, ROCHESTER, MINNESOTA. Uremic polyneuropathy investigations (human).
- NO1AM-22201-04 (**) ARHEFF, ALLEN I, LOS ANGELES, CALIFORNIA. Pathophysiology of dialysis disequilibrium syndrome (dogs).
- NO1AM-22206-04 (**) JONES, JAMES D, ROCHESTER, MINNESOTA. Metabolism of creatinine and guanidine compounds (human).
- NO1AM-22207-04 (**) BLACKSHEAR, PERRY L, JR, MINNEAPOLIS, MINNESOTA. Study fluid dynamics of blood cells (human).
- NO1AM-22208-05 (**) DAVIS, THOMAS A, BIRMINGHAM, ALABAMA. Activated carbon fibers for artificial kidneys.
- NO1AM-22209-03 (**) SIMENHOFF, MICHAEL L, PHILADELPHIA, PENNSYLVANIA. Study amine metabolism in uremia (human).
- NO1AM-22211-03 (**) OWEN, H EARL, NASHVILLE, TENNESSEE. Neurobehavioral and clinical responses to hemodialysis.
- NO1AM-22215-03 (**) BERGSTROM, JONAS, STOCKHOLM, SWEDEN. Uremic toxicology.
- NO1AM-22216-02 (**) GUILBAULT, GEORGE G, NEW ORLEANS, LOUISIANA. Reagentless solid-surface fluorescence monitoring system.
- NO1AM-22219-02 (**) CUTLER, RALPH E, SEATTLE, WASHINGTON. Pharmacokinetic studies in chronic renal disease and hemodialysis (human).
- NO1AM-22221-03 (**) KLEIN, ELIAS, BATON ROUGE, LOUISIANA. Membranes and materials evaluation.
- NO1AM-22222-02 (**) NOSE, YUKIHIKO, CLEVELAND, OHIO. New concepts in blood access devices (sheep).
- NO1AM-22225-02 (**) SHAPIRO, FRED, MINNEAPOLIS, MINNESOTA. Computerized data bank to assess adequacy of dialysis.
- NO1AM-32200-03 (**) MODEL, FRANK S, SUMMIT, NEW JERSEY. Prepare and evaluate optimized hemodialysis membranes.
- NO1AM-32201-02 (**) FRIEDMAN, ELI A, ALBANY, NEW YORK. Efficiency of oxidized starch as intestinal absorbent in uremia (human).
- NO1AM-32203-02 (**) WEISSMANN, BERNARD, CHICAGO, ILLINOIS. Phenyl α -L-iduronide and related compounds.
- NO1AM-32204-02 (**) MENCZEL, JACOB, JERUSALEM, ISRAEL. Osteoporosis—Certain nutritional factors and therapeutic management trial.
- NO1AM-32205-01 (**) POPOVICH, ROBERT P, AUSTIN, TEXAS. Physiological transport parameters in patients in peritoneal and hemodialysis.
- NO1AM-32207-02 (**) GROSSMAN, MORTON I, LOS ANGELES, CALIFORNIA. Evaluation of research in digestive diseases.
- NO1AM-32208-02 (**) BURNELL, JAMES M, SEATTLE, WASHINGTON. Study of acid-base chemistry and human bone (also rats).
- NO1AM-32210-02 (**) KOPPLE, JOEL D, LOS ANGELES, CALIFORNIA. Nitrogen metabolism in uremia (human).
- NO1AM-32212-02 (**) RAGDADE, JOHN D, SEATTLE, WASHINGTON. Hyperlipidemia and atherogenesis (rats).
- NO1AM-32216-02 (**) SCHORNFIELD, LESLIE J, LOS ANGELES, CALIFORNIA. Cooperative clinical trial on dissolution of gallstones.
- NO1AM-32218-01 (**) BETTS, ROBERT F, ROCHESTER, NEW YORK. Cytomegalovirus and herpes simplex virus infection of hemodialysis patients.
- NO1AM-32222-01 (**) RABINER, S FREDERICK, PORTLAND, OREGON. Platelet function as an indicator of adequate dialysis (human).
- NO1AM-32225-01 (**) MAXWELL, MORTON H, LOS ANGELES, CALIFORNIA. Peritoneal dialysis system.
- NO1AM-42200-00 (**) KOLFF, WILLEM J, SALT LAKE CITY, UTAH. Wearable/portable artificial kidney.
- NO1AM-42201-00 (**) SCHMER, GOTTFRIED, SEATTLE, WASHINGTON. Anticoagulant-bound hemodialysis (sheep).
- NO1AM-42202-00 (**) GOTCH, FRANK A, SAN FRANCISCO, CALIFORNIA. Evaluation of hollow fiber dialyzers (human).
- NO1AM-42203-00 (**) TOKUYAMA, TAKASHI, OSAKA, JAPAN. Isolation and elucidation of structure of alkaloids from neotropical frogs.
- NO1AM-42204-00 (**) KLEINSTEIN, BRUCE, PHILADELPHIA, PENNSYLVANIA. Gastroenterology abstracts and citations.
- NO1AM-42206-00 (**) FRIEDMAN, ELI A, ALBANY, NEW YORK. Determine clinical efficacy of oxidized starch in uremia.
- NO1AM-42207-00 (**) MASSRY, SHAUL G, LOS ANGELES, CALIFORNIA. Osteodystrophy and divalent ion in kidney failure (human).
- NO1AM-42200-00 (**) SHIMNOVIC, KYLE H, BETHESDA, MARYLAND. Isolation of substance produced by bacteria with antithyroid activity.
- NO1AM-42209-00 (**) JOHNSON, PAUL E, WASHINGTON, DISTRICT OF COLUMBIA. Evaluation of human nutrient requirements.
- NO1AM-42210-00 (**) KOLFF, WILLEM J, SALT LAKE CITY, UTAH. Clinical evaluation of single needle dialysis.
- NO1AM-42212-00 (**) LOWENSTEIN, LEAH M, BOSTON, MASSACHUSETTS. Lipid abnormalities and atherogenesis in chronic renal failure (rats).
- NO1AM-42213-00 (**) SWENSON, R S, STAMFORD, CALIFORNIA. Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs).
- NO1AM-42214-00 (**) GRUPE, WARREN E, BOSTON, MASSACHUSETTS. Trace element abnormalities in children with chronic renal failure.
- NO1AM-42215-00 (**) GARBER, ALAN J, HOUSTON, TEXAS. Abnormalities of carbohydrate metabolism in chronic uremia (human, rats).
- NO1AM-42216-00 (**) MORGAN, ALFRED P, CAMBRIDGE, MASSACHUSETTS. Multivariate analysis of dialysis efficacy, relation to access methods (human).
- NO1AM-42217-00 (**) ALFREY, A C, BOULDER, COLORADO. Trace element abnormalities in chronic uremia.
- NO1AM-42216-00 (**) MARGOLIS, SIMON, BALTIMORE, MARYLAND. Serum lipid and lipoprotein abnormalities in chronic renal failure.
- NO1AM-42219-00 (**) AULTAN, JOHN, MEMPHIS, TENNESSEE. Detect toxicity of extracted constituents from dialyzers (mammals).
- NO1AM-42220-00 (**) BELTS, JAMES M, SAN FRANCISCO, CALIFORNIA. Investigate hyperlipidemia in chronic renal failure (human).
- NO1AM-42221-00 (**) PELJO, PHILIP, NEW HAVEN, CONNECTICUT. Glucagon and amino acids in carbohydrate metabolism (human).
- NO1AM-42222-00 (**) GONICK, HARVEY C, LOS ANGELES, CALIFORNIA. Trace element abnormalities in chronic uremia (human).
- NO1AM-42223-00 (**) BELL, NORMAN H, INDIANAPOLIS, INDIANA. Carbohydrate and fat metabolism in uremia (rats, dogs, hs).
- NO1AM-42224-00 (**) PALMER, RICHARD A, DURHAM, NORTH CAROLINA. Iron chelating agents in the treatment of Cooley's anemia.
- NO1AM-42225-00 (**) PITT, C G, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Iron chelating agents in the treatment of Cooley's anemia.
- NO1AM-42226-00 (**) BYERS, B R, JACKSON, MISSISSIPPI. Iron chelating agents in treatment of Cooley's anemia (microorganisms, synthesis).
- NO1AM-42227-00 (**) GRALLA, EDWARD J, NEW HAVEN, CONNECTICUT. Evaluation of chelating agents in treatment of Cooley's anemia (dogs).
- NO1AM-42228-00 (**) GOTTSCHALK, CARL W, CHAPEL HILL, NORTH CAROLINA. Research needs in nephrology and urology.
- NO1AM-50032-12 (**) KLYNE, WILLIAM, LONDON, W I, ENGLAND. Steroid collection for medical research.
- NO1AM-60963-20 (**) SCRIBNER, BELDING H, SEATTLE, WASHINGTON. Research on artificial kidney (human, sheep).
- NO1AM-61132-17 (**) PETERS, JOHN H, MENLO PARK, CALIFORNIA. Biochemical evaluations of artificial kidneys.
- NO1AM-70109-13 (**) HENDERSON, LEE W, PHILADELPHIA, PENNSYLVANIA. Purification of uremic blood.
- NO1AM-70663-13 (**) LAZAROW, ARNOLD, MINNEAPOLIS, MINNESOTA. Preparation of a diabetes-related literature index.
- NO1AM-70726-10 (**) JULIANO, BENJENIDO O, LOS BANOS, PHILIPPINES. Screening of rice varieties.
- NO1AM-71153-10 (**) RAITI, SALVATORE, BALTIMORE, MARYLAND. Pituitary gland storage bank (human).
- NO1AM-71160-15 (**) ROZELLE, LEE T, MINNEAPOLIS, MINNESOTA. Membrane structure concept for application in hemodialysis.
- NO1AM-71387-14 (**) BRYAN, FRED A, RESEARCH TRIANGLE PARK, NORTH CAROLINA. National Dialysis Registry.
- NO1AM-80707-12 (**) BIANCHI, ROMANO, PISA, ITALY. Low protein diet on albumin metabolism in chronic uremia (human).
- NO1AM-80709-09 (**) KLEIN, ELIAS, BATON ROUGE, LOUISIANA. Synthetic polypeptides as hemodialysis membranes (human, animals).
- NO1AM-80976-18 (**) TENCKHOFF, HEINRICH A, SEATTLE, WASHINGTON. Development of a peritoneal dialysis fluid supply.
- NO1AM-80977-15 (**) MASON, REGINALD G, JR, CHAPEL HILL, NORTH CAROLINA. Anti-thrombogenic surfaces study (monkeys).
- NO1AM-90056-17 (**) PARLOW, ALBERT, TORRANCE, CALIFORNIA. Collection of rat pituitaries and assaying hormones.
- NO1AM-90066-06 (**) GIORDANO, CARMELO, POLICLINICO, ITALY. Study on amino acids and uremia (human).
- NO1AM-90070-05 (**) GIORDANO, CARMELO, NAPLES, ITALY. Study on orystarch and uremia.
- NO1AM-92168-08 (**) GOLDSMITH, RALPH S, ROCHESTER, MINNESOTA. Renal osteodystrophy (human).
- RO1CA-00343-27 (BND) EISENFELD, ARNOLD J, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Endocrine and genetic factors in tumorigenesis (mice).
- RO1CA-01074-24 (GEN) RUSSELL, ELIZABETH S, JACKSON LABORATORY, BAR HARBOR, MAINE. Physiological genetics of the mouse.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01CA-01228-23 (BIO) WOOD, JOHN L, UNIVERSITY OF TENNESSEE, 894 UNION AVENUE, MEMPHIS, TENN.** Metabolism of aromatic hydrocarbons (rabbits, rats, mice).
- R01CA-01393-24 (END) ENGEL, LEWIS L, MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS.** Patterns of steroid metabolism in cancer (human, mice).
- R01CA-01594-23 (MBC) CHERRY, MARIANNA, JACKSON LABORATORY, BAR HARBOR, MAINE.** Immunology of cancer (mice).
- R01CA-01786-20 (PC) DEUTSCH, HAROLD F, 1215 LINDEN DRIVE, MADISON, WIS.** Blood proteins.
- R01CA-01786-20 0001 (PC) DEUTSCH, HAROLD F.** Blood proteins-Structure of myeloma globulin lambda chain (human).
- R01CA-01786-20 0002 (PC) DEUTSCH, HAROLD F.** Blood proteins-Alpha-fetoglobulin (human, rats).
- R01CA-01786-20 0003 (PC) DEUTSCH, HAROLD F.** Blood proteins-Superoxide dismutase (human).
- R01CA-01786-20 0004 (PC) DEUTSCH, HAROLD F.** Blood proteins-Carbonic anhydrases (human, horses, cattle, goats).
- R01CA-01915-21 (S0YA) THOMAS, C O, JR, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C.** Isotope studies in growth of thyroid cancer (human, rats).
- R01CA-02015-21 (MBC) BUCHANAN, JOHN M, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS.** Nucleotide and nucleic acid metabolism (bacteria, bacteriophage).
- R01CA-02071-21 (END) LEVITZ, MORTIMER, N Y UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y.** Estrogen metabolism and action in pregnancy and cancer (human, and rats).
- R01CA-02075-20 (PC) DISCHE, ZACHARIAS, COLUMBIA UNIVERSITY, 635 WEST 165TH STREET, NEW YORK, N Y.** Polysaccharides in neoplastic disease (human, cattle, rabbits).
- R01CA-02146-21 (CBY) BUCHER, NANCY L, MASSACHUSETTS GEN HOSP, FRUIT STREET, BOSTON, MASS.** Cytoplasmic factors in cellular growth (rats).
- R01CA-02228-20 (PHY) CHARALAMPOUS, PRIXOS C, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF BIOCHEMISTRY, PHILADELPHIA, PA.** Plasma membranes of normal and tumor cells (mice, KB cells).
- R01CA-02290-21 (END) PIERCE, JOHN G, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF.** Purification and chemistry of protein hormones (human, animals).
- P01CA-02332-20 (CAP) SPIEGELMAN, SOL, INSTITUTE OF CANCER RESEARCH, 99 FT WASHINGTON AVE, NEW YORK, N Y.** Clinical and laboratory studies of normal and abnormal growth.
- P01CA-02332-20 0001 (CAP) SPIEGELMAN, SOL.** Clinical and laboratory studies of normal and abnormal growth-Detection of leukemia viruses (mice, human).
- P01CA-02332-20 0006 (CAP) SPIEGELMAN, SOL.** Clinical and laboratory studies of normal and abnormal growth-Molecular hybridization (mammals).
- P01CA-02332-20 0010 (CAP) FURTH, JACOB.** Clinical and laboratory studies of normal and abnormal growth-Pathogenesis of derangements of homeostasis which lead to neoplasia (human, mice).
- P01CA-02332-20 0011 (CAP) MILLS, DONALD.** Clinical and laboratory studies of normal and abnormal growth-Q-B replicating system.
- P01CA-02332-20 0012 (CAP) OSSERMAN, ELIJOT.** Clinical and laboratory studies of normal and abnormal growth-Plasmacytic and monocytic dyscrasias (human, rats).
- P01CA-02332-20 0019 (CAP) FEIGELSON, PHILIP.** Clinical and laboratory studies of normal and abnormal growth-Glucocorticoid regulation of hepatic transcription (rats).
- P01CA-02332-20 0021 (CAP) FEIGELSON, PHILIP.** Clinical and laboratory studies of normal and abnormal growth-Allosteric control of hepatic and pseudomonad tryptophan oxygenase (rats).
- P01CA-02332-20 0034 (CAP) GRUNBERGER, DEZIDER.** Clinical and laboratory studies of normal and abnormal growth-Changes in tRNA during differentiation and neoplasia (rats, yeast).
- P01CA-02332-20 0037 (CAP) GRUNBERGER, DEZIDER.** Clinical and laboratory studies of normal and abnormal growth-Molecular aspects of cancer chemotherapy.
- P01CA-02332-20 0046 (CAP) FEIGELSON, PHILIP.** Clinical and laboratory studies of normal and abnormal growth-AAF carcinogenesis.
- P01CA-02332-20 0047 (CAP) GRUNBERGER, DEZIDER.** Clinical and laboratory studies of normal and abnormal growth-Molecular aspects of chemical carcinogenesis.
- P01CA-02332-20 0048 (CAP) GRUNBERGER, DEZIDER.** Clinical and laboratory studies of normal and abnormal growth-Chemical carcinogenesis in tissue culture (rats).
- P01CA-02357-20 (CAP) MILGROM, FELIX, STATE UNIVERSITY OF NEW YORK, 205 SHERMAN HALL, BUFFALO, N Y.** Autoimmune responses to normal and malignant tissues.
- P01CA-02357-20 0014 (CAP) MILGROM, FELIX.** Autoimmune responses to normal and malignant tissues-Genetic control of immune response to thyroglobulin (mice).
- P01CA-02357-20 0015 (CAP) MILGROM, FELIX.** Autoimmune responses to normal and malignant tissues-Spontaneous autoimmune thyroiditis in OS chickens.
- P01CA-02357-20 0016 (CAP) MILGROM, FELIX.** Autoimmune responses to normal and malignant tissues-Relationship of surface properties to phagocytosis.
- P01CA-02357-20 0017 (CAP) MILGROM, FELIX.** Autoimmune responses to normal and malignant tissues-Specificity and autoimmunogenicity of renal glomerular basement membrane.
- P01CA-02357-20 0018 (CAP) MILGROM, FELIX.** Autoimmune responses to normal and malignant tissues-Mechanisms of cell-mediated immune responses (rabbits, rats, guinea pigs).
- R01CA-02373-19 (ET) VISSER, DONALD W, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF.** Nucleoside and nucleotide derivatives.
- R01CA-02478-20 (ET) SBLIGMAN, ARNOLD M, SINAI HOSP OF BALTIMORE, INC, BELVEDERE AVE AT GREENSPRING, BALTIMORE, MD.** Chemotherapy of cancer-Experimental and clinical.
- R01CA-02568-20 (PHRB) ROBERTS, EUGENE, CITY OF HOPE NAT MEDICAL CTR, DIVISION OF NEUROSCIENCES, DUARTE, CALIF.** Free amino acids in normal and neoplastic tissues.
- R01CA-02568-20 0001 (PHRB) ROBERTS, EUGENE.** Free amino acids in normal and neoplastic tissues-Nitrogen metabolism of tumor cells.
- R01CA-02568-20 0002 (PHRB) ROBERTS, EUGENE.** Free amino acids in normal and neoplastic tissues-Cells in tissue culture (hamsters).
- R01CA-02568-20 0003 (PHRB) ROBERTS, EUGENE.** Free amino acids in normal and neoplastic tissues-Imidazole compounds (ocean fish, mice).
- R01CA-02568-20 0004 (PHRB) ROBERTS, EUGENE.** Free amino acids in normal and neoplastic tissues-Tumor therapy (mice).
- R01CA-02571-20 (PHRB) GUTMANN, HELMUT R, VETERANS ADMINISTRATION HOSP, BUILDING 31, MINNEAPOLIS, MINN.** Mechanism of action of carcinogenic aromatic amines.
- R01CA-02571-20 0004 (PHRB) GUTMANN, HELMUT R.** Mechanism of action of carcinogenic aromatic amines-Microsomal N-hydroxylation of N-2-fluorenylacacetamide.
- R01CA-02571-20 0005 (PHRB) GUTMANN, HELMUT R.** Mechanism of action of carcinogenic aromatic amines-Protein modification by activated carcinogens.
- R01CA-02571-20 0006 (PHRB) GUTMANN, HELMUT R.** Mechanism of action of carcinogenic aromatic amines-Tritiation of carbon atom-9 fluorenyl-hydroxamic acids.
- R01CA-02571-20 0007 (PHRB) GUTMANN, HELMUT R.** Mechanism of action of carcinogenic aromatic amines-Liquid-liquid chromatography of N-hydroxy-2-FAA (rats).
- R10CA-02599-20 (CCI) HENDERSON, EDWARD S, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y.** Acute leukemia group B (human).
- R10CA-02649-18 (CCI) KARON, MYRON R, UNIVERSITY OF SOUTHERN CALIFOR, 2025 ZONAL AVENUE, LOS ANGELES, CALIF.** Childrens cancer study group A.
- R01CA-02662-19 (CBY) STEVENS, LEROY C, JACKSON LABORATORY, BAR HARBOR, MAINE.** Investigations on teratocarcinogenesis (mice).
- R01CA-02758-19 (MBC) KANDUTSCH, ANDREW A, JACKSON LABORATORY, BAR HARBOR, MAINE.** Steroid metabolism in tumors and normal tissues (mice).
- R01CA-02790-19 (BIO) GOTS, JOSEPH S, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA.** Biosynthesis of purines (bacteria).
- R13CA-02809-19 (GEN) WATSON, JAMES D, COLD SPRING HARBOR LABORATORY, BOX 100, COLD SPRING HARBOR, N Y.** Cold Spring Harbor symposium on quantitative biology.
- R01CA-02817-18 (ET) SARTORELLI, ALAN C, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN.** Biochemical pharmacology of antineoplastic agents (human, dogs, bacteria).
- R10CA-02822-19 (CCI) COLSKY, JACOB, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA.** Eastern cooperative oncology group (human).
- R10CA-02824-19 (CCI) SHNIDER, BRUCE I, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C.** Eastern cooperative oncology group.
- R01CA-02896-18 (RAD) SMITH, KENDRIC C, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF.** Repair of radiation-induced lesions in DNA (bacteria).
- R01CA-02897-18 (END) JENSEN, BLWOOD V, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL.** Study of steroids and growth (rats).
- R01CA-02918-18 (HBM) CHAPLIN, HUGH, JR, WASHINGTON UNIVERSITY, 4566 SCOTT AVENUE, ST LOUIS, MO.** Symptomatic hemolytic anemia in malignant disease (human).
- R01CA-02924-18 (PHRB) KIDDER, GEORGE W, AMHERST COLLEGE, BIOLOGICAL LABORATORY, AMHERST, MASS.** Synthesis and testing of metabolic analogs (protozoa).
- R01CA-02931-17 (MCHB) CROMWELL, NORMAN H, 412 ADMINISTRATION BLDG, UNIV OF NEBRASKA, LINCOLN, NEBR.** Studies in heterocyclic synthesis.
- R10CA-02971-18 (CCI) HEYN, RUTH M, UNIVERSITY HOSPITAL, 1405 E ANN STREET, ANN ARBOR, MICH.** Childrens cancer study group A.
- R01CA-02978-18 (ET) MANDEL, H GEORGE, GEORGE WASHINGTON UNIVERSITY, 2300 EYE STREET, N W, WASHINGTON, D C.** Methods for studying actions of the tumor-inhibitory drugs (bacteria).
- R10CA-03013-18 (CCI) OMURA, GEORGE A, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA.** Southeastern cancer chemotherapy study group.
- R10CA-03096-17 (CCI) LEVIN, WILLIAM C, UNIVERSITY OF TEXAS, 9TH AND STRAND, GALVESTON, TEX.** Southwest cancer chemotherapy cooperative study group.
- R01CA-02151-17 (PC) HENSHAW, EDGAR C, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS.** Intermediary metabolism (rodents, rabbits, human).
- R10CA-03161-17 (CCI) FERNBACH, DONALD J, TEXAS CHILDREN'S HOSPITAL, 6621 FANNIN STREET, HOUSTON, TEX.** Southwest cancer chemotherapy cooperative study group.
- R10CA-03177-18 (CCI) SILBERMAN, HAROLD R, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N C.** Southeastern cancer study group.
- R10CA-03195-17 (CCI) ALEXANIAN, RAYMOND, UNIVERSITY OF TEXAS, 6723 BERTNER AVE, HOUSTON, TEX.** Southwest cancer chemotherapy study group.
- R10CA-03227-18 (CCI) HUGULEY, CHARLES M, JR, EMORY UNIVERSITY, 718 WOODRUFF BUILDING, ATLANTA, GA.** Southeastern cancer study group.
- R01CA-03287-16 (ET) FRENCH, FREDERIC A, CHEMOTHERAPY RESEARCH LAB, 2493 PULGAS AVENUE, PALO ALTO, CALIF.** Chemotherapy of experimental mouse tumors.
- R01CA-03352-18 (PTHB) KAPLAN, HENRY S, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF.** Biological aspects of carcinogenesis by radiation (mice).
- R01CA-03353-17 (RAD) KALLMAN, ROBERT F, STANFORD UNIVERSITY, STANFORD, CALIF.** Experimental radiotherapy-Cellular responses in vivo (mice).
- R10CA-03357-17 (CCI) TALLEY, ROBERT W, HENRY FORD HOSPITAL, 2799 WEST GRAND BOULEVARD, DETROIT, MICH.** Cooperative study of breast cancer.
- R10CA-03358-17 (CCI) CARTER, ANNE C, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y.** Cooperative breast cancer group.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R10CA-03359-17 (CCI) VOLK, HERBERT, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Cooperative breast cancer group.
- R10CA-03360-17 (CCI) GOLDENBERG, IRA S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cooperative breast cancer group.
- R10CA-03364-17 (CCI) SEGALOFF, ALBERT, ALTON OCHSNER MEDICAL FDN, 1520 JEFFERSON HIGHWAY, NEW ORLEANS, LA. Cooperative breast cancer group.
- R01CA-03367-18 (IAB) TRENTIN, JOHN J, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Irradiation protection and histocompatibility (mice).
- R10CA-03376-18 (CCI) LOBB, VIRGIL, JR, WASHINGTON UNIVERSITY, 4989 BARNES HOSPITAL PLAZA, ST LOUIS, MO. Southeastern cancer study group.
- R10CA-03389-16 (CCI) STUCKEY, WALTER J, TULANE UNIVERSITY, 1430 TULANE AVE, NEW ORLEANS, LA. Southwest cancer chemotherapy cooperative study group.
- R10CA-03392-17 (CCI) LANE, MONTAGUE, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Southwest cooperative chemotherapy study.
- R10CA-03485-18 (CCI) JACOBS, EDWIN M, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Western cooperative cancer chemotherapy group (human).
- R10CA-03526-17 (CCI) WOLFF, JAMES A, COLUMBIA-PRESBYTERIAN MED CTR, 622 WEST 168TH STREET, NEW YORK, N. Y. Childrens cancer study group A.
- R01CA-03528-17 (ET) GROTH, DONALD P, EMORY UNIVERSITY, WOODRUFF MEMORIAL BLDG, RM 616, ATLANTA, GA. Nucleic acid studies in cancer chemotherapy (human, rats).
- R01CA-03571-17 (BIO) COMEN, PHILIP P, DEPT OF PHYSIOLOGICAL CHEM, 591 MEDICAL SCIENCES BLDG, MADISON, WIS. Enzyme biosynthesis and regulation-Urea biosynthesis (frogs).
- R01CA-03641-18 (BIO) HOBBERMAN, HENRY D, YESHIVA UNIV, 1300 MORRIS PARK AVENUE, BRONX, N. Y. The coupling of coenzyme-linked oxidoreductions.
- R10CA-03664-16 (CCI) BISEL, HARRY F, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Cooperative breast cancer group.
- R10CA-03713-17 (CCI) SUTOW, WATARU W, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEXAS. Southwest cancer chemotherapy cooperative study group.
- R01CA-03728-17 (BIO) BECK, WILLIAM S, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Metabolism of normal and leukemic leukocytes.
- R01CA-03728-17 0002 (BIO) BECK, WILLIAM S. Metabolism of normal and leukemic leukocytes-The methylfolate trap hypothesis of vitamin B12 action (human).
- R01CA-03728-17 0003 (BIO) BECK, WILLIAM S. Metabolism of normal and leukemic leukocytes-Purify and characterize ribonucleotide reductase.
- R01CA-03728-17 0004 (BIO) BECK, WILLIAM S. Metabolism of normal and leukemic leukocytes-Mitochondrial DNA synthesis (rats).
- R01CA-03728-17 0006 (BIO) BECK, WILLIAM S. Metabolism of normal and leukemic leukocytes-Methyltransferase, other enzymes catalyzing inter-conversions of folate compounds.
- R01CA-03728-17 0007 (BIO) BECK, WILLIAM S. Metabolism of normal and leukemic leukocytes-Synthesis and degradation of pteroylpolylglutamates (rats).
- R10CA-03735-17 (CCI) JAMES, G WATSON, 3D, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Acute leukemia group B.
- R10CA-03740-16 (CCI) KIBLEY, RITA M, 275 CHARLES STREET, BOSTON, MASS. Cooperative breast cancer group (human).
- R10CA-03750-17 (CCI) NEWTON, WILLIAM A, JR, CHILDRENS HOSPITAL, 561 SOUTH 17TH STREET, COLUMBUS, OHIO. Childrens cancer study group A.
- R10CA-03754-17 (CCI) GOTTLIEB, JEFFREY A, UNIVERSITY OF TEXAS, 6723 BERTNER, HOUSTON, TEX. Southwest cancer chemotherapy study group-Data management.
- R10CA-03764-16 (CCI) HAINES, CARLETON R, UNIVERSITY OF VERMONT, MEDICAL CENTER HOSPITAL, BURLINGTON, VT. Cooperative breast cancer group.
- R10CA-03888-17 (CCI) LEIKIN, SANFORD L, CHILDRENS HOSPITAL, 2125 - 13TH STREET, N. W, WASHINGTON, D. C. Childrens cancer study group A.
- R10CA-03927-17 (CCI) SPURR, CHARLES L, WAKE FOREST UNIVERSITY, 300 SOUTH HAWTHORNE ROAD, WINSTON-SALEM, N. C. Acute leukemia group B (human).
- R01CA-03983-16 (BBCB) COMMONER, BARRY, WASHINGTON UNIVERSITY, SKUNKER & LINDELL BLVD, ST LOUIS, MO. Free radicals in physiological and pathological processes (rats).
- R01CA-04036-16 (PTHB) BLANK, HARVEY, UNIVERSITY OF MIAMI, DEPT OF DERMATOLOGY, MIAMI, FLA. Electron microscopy of viruses and carcinogenesis (human).
- R01CA-04065-16 (MCHA) WALBORSKY, HARRY M, FLORIDA STATE UNIVERSITY, CHEMISTRY DEPT, TALLAHASSEE, FLA. Cyclopropyl radicals and studies in asymmetric syntheses.
- R01CA-04144-16 (HEM) TROBAUGH, FRANK E, JR, PRESBYTERIAN-ST LUKES HOSP, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Correlative studies of bone marrow viability (mice, human).
- R01CA-04175-16 (PHRB) HAKALA, MAIRE T, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Cell culture studies on drugs and antimetabolites.
- R01CA-04186-16 (BBCA) RICH, ALEXANDER, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Molecular structure of nucleic acids and proteins (E coli, rabbits, chicks).
- R01CA-04284-15 (MCHA) DAUBEN, WILLIAM G, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Preparation of modified steroids and sesquiterpenes.
- R10CA-04326-16 (CCI) MC INTYRE, O ROSS, DARTMOUTH MEDICAL SCHOOL, 2 MAYNARD STREET, HANOVER, N. H. Acute leukemia group B.
- R10CA-04457-15 (CCI) WASSERMAN, LOUIS R, MT SINAI SCHOOL OF MEDICINE, 11 E 100TH ST, NEW YORK, N. Y. Acute leukemia group B.
- R01CA-04464-16 (PC) MOORE, E COLLEEN, M D ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TEX. Biosynthesis and role of deoxynucleotides (hamster, rats, human, E coli).
- R01CA-04474-16 (MCHA) HASSNER, ALFRED, UNIVERSITY OF COLORADO, DEPT OF CHEMISTRY, BOULDER, COLO. Synthesis and reactions of steroid-heterocycles.
- R01CA-04483-15 (RAD) TOLMACH, L J, WASHINGTON UNIVERSITY SCH OF M, 660 S EUCLID, ST LOUIS, MO. Effects of x-rays on normal and malignant cells (mice, hamsters, HeLa cells).
- R01CA-04484-16 (RAD) HUMPHREY, RONALD M, MD ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TEX. Relationship of repair and recovery in mammalian cells (hamsters).
- P01CA-04486-15 (CAP) ZAMCHECK, NORMAN, MALLORY INST OF PATH FDN, 784 MASS AVE, BOSTON, MASS. Pathology of the digestive tract mucous membrane.
- P01CA-04486-15 0001 (CAP) ZAMCHECK, NORMAN. Pathology of the digestive tract mucous membrane-Clinical and morphologic studies of CEA.
- P01CA-04486-15 0002 (CAP) ZAMCHECK, NORMAN. Pathology of the digestive tract mucous membrane-Immunochemical studies of CEA (human, rats).
- P01CA-04486-15 0003 (CAP) ZAMCHECK, NORMAN. Pathology of the digestive tract mucous membrane-Studies of cell-mediated immunity (human).
- R01CA-04519-15 (END) BROOKS, SAM C, MICHIGAN CANCER FOUNDATION, 110 E WARREN AVENUE, DETROIT, MICH. Physiological role of estrogen sulfates (rats).
- R01CA-04536-16 (MCHB) TRUCE, WILLIAM E, PURDUE UNIVERSITY, CHEMISTRY DEPARTMENT, LAFAYETTE, IND. Organic sulfur chemistry and cancer chemotherapy.
- R01CA-04542-16 (RAD) HAHN, GEORGE M, STANFORD UNIVERSITY, DEPT OF RADIOLOGY, STANFORD, CALIF. Modification of radiation response in vitro (mammals).
- R01CA-04568-16 (VR) MENLE, WERNER, CHILDREN'S HOSPITAL, 1740 BAMBRIDGE STREET, PHILADELPHIA, PA. Relation of Epstein-Barr virus to human malignancies.
- R01CA-04571-16 (VR) PAYNE, FRANCIS E, UNIVERSITY OF MICHIGAN, 109 OBSERVATORY, ANN ARBOR, MICH. Viruses in the pathogenesis of human tumors.
- R10CA-04594-14 (CCI) DAVIS, HUGH L, JR, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Cooperative breast cancer group.
- R10CA-04646-15 (CCI) KYLE, ROBERT A, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Acute leukemia group B.
- R01CA-04670-15 (SSS) LITTLEFIELD, JOHN W, MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS. Hybridization, DNA function, mutation in cell culture (human, rodents).
- R01CA-04679-15 (PHRB) LERNER, AARON B, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Biology of normal and malignant melanocytes.
- R01CA-04679-15 0001 (PHRB) LERNER, AARON B. Biology of normal and malignant melanocytes-Melanocytes (frogs).
- R01CA-04679-15 0002 (PHRB) LERNER, AARON B. Biology of normal and malignant melanocytes-Tyrosinase, adenylyl cyclase, and cholinesterase.
- R01CA-04679-15 0003 (PHRB) LERNER, AARON B. Biology of normal and malignant melanocytes-Transfer of melanomas.
- R01CA-04679-15 0004 (PHRB) LERNER, AARON B. Biology of normal and malignant melanocytes-Transfer of melanosomes.
- R01CA-04679-15 0005 (PHRB) LERNER, AARON B. Biology of normal and malignant melanocytes-Chemistry of MSH racemization (frogs).
- R01CA-04679-15 0006 (PHRB) LERNER, AARON B. Biology of normal and malignant melanocytes-Protyrosinase to tyrosinase reaction (frogs).
- R01CA-04681-15 (SSS) HERZENBERG, LEONARD A, STANFORD UNIV SCHOOL OF MED, DEPT OF GENETICS, STANFORD, CALIF. Genetic studies with mammalian cells (mice).
- R01CA-04798-16 (IAB) KORNGOLD, LEONHARD, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70TH ST, NEW YORK, N. Y. Determination of specific antigens for tumor tissues (human, rabbits).
- R01CA-04823-15 (BIO) CAMELLAKIS, EVANGELO S, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Nucleic acid synthesis (rabbits, rats, HeLa cells).
- R01CA-04910-15 (PC) COLOWICK, SIDNEY P, VANDERBILT UNIV SCHOOL OF MED, DEPARTMENT OF MICROBIOLOGY, NASHVILLE, TENN. Role of glycolysis in tumor growth (human, rodents).
- R10CA-04915-15 (CCI) TALLEY, ROBERT W, HENRY FORD HOSPITAL, 2799 W GRAND BLVD, DETROIT, MICH. Southwest cancer chemotherapy cooperative study group.
- R10CA-04919-15 (CCI) HEWLETT, JAMES S, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Southwest cancer chemotherapy cooperative study group.
- R10CA-04920-15 (CCI) WILSON, HENRY E, OHIO STATE UNIVERSITY HOSPITAL, 410 WEST TENTH AVENUE, COLUMBUS, OHIO. Southwest cooperative chemotherapy study group.
- R01CA-04946-14 (ALY) BOSMA, MELVIN J, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE FOX CHASE, PHILADELPHIA, PA. Cellular events in antibody synthesis (mice).
- R01CA-05003-16 (GMA) FITZPATRICK, THOMAS B, MASSACHUSETTS GENERAL HOSPITAL, DEPT OF DERMATOLOGY, BOSTON, MASS. Dermatologic reactions induced by solar radiation.
- R01CA-05003-16 0001 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation-Beta-carotene for photoprotection in erythropoietic protoporphyria (human).
- R01CA-05003-16 0004 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation-Action of ultraviolet radiation on human skin melanocytes.
- R01CA-05003-16 0005 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation-Additive effects of UV-A and UV-B on the development of erythema (human).
- R01CA-05003-16 0006 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation-Development of protective methods against sun induced skin damage (human).

(contd)

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-05003-16 0007 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation—Effects of ultraviolet laser on mammalian skin (human, guinea pigs).
- R01CA-05003-16 0008 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation—Ultraviolet-induced erythema as skin cancer susceptibility indicator (human).
- R01CA-05003-16 0009 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation—Psoralens and UV-A or sunlight to increase tolerance to sunlight.
- R01CA-05003-16 0010 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation—Detoxification and metabolism of psoralens in mice and man.
- R01CA-05003-16 0011 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation—Phototherapy of idiopathic leukoderma.
- R01CA-05003-16 0012 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation—Photoinhibition of complement system in erythropoietic protoporphyria.
- R01CA-05003-16 0013 (GMA) FITZPATRICK, THOMAS B. Dermatologic reactions induced by solar radiation—Polymorphic photodermatoses and effects of oral beta carotene (human).
- R01CA-05034-15 (SSS) WEBER, GEORGE, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Metabolic patterns in normal and neoplastic tissues (rats, human).
- R01CA-05096-13 (NSS) DELAFRESNAYE, JOHN F, RUE DU CONSEIL GENERAL, 3 CH, 1205 GENEVA, SWITZERLAND. Programme of the International Union Against Cancer.
- R10CA-05186-14 (CCI) RATMAN, JOSEPH R, 3D, WCSG OPERATIONS OFFICE, 2825 SOUTH HOPE STREET, LOS ANGELES, CALIF. Western cancer study group.
- R01CA-05191-15 (END) HUSEBY, ROBERT A, AMERICAN MEDICAL CENTER, 6401 WEST COLFAX AVENUE, DENVER, COLO. Some endocrine aspects of neoplasia (mice).
- R01CA-05197-15 (END) PEARSON, OLOF H, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Endocrine factors influencing tumor growth in man.
- R01CA-05206-14 (VR) MORGAN, HERBERT R, UNIV OF ROCHESTER MEDICAL CTR, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Latency and viral neoplasia (human, cell culture).
- R01CA-05262-14 (PC) PRUSOFF, WILLIAM H, YALE UNIVERSITY SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Iododeoxyuridine, iodo-DNA and biological activity (mice).
- R01CA-05295-14 (ET) RUTMAN, ROBERT J, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Chemical basis of nitrogen mustard activity.
- R01CA-05295-14 0001 (ET) RUTMAN, ROBERT J. Chemical basis of nitrogen mustard activity—Nitrogen mustard effect on DNA biosynthesis (mice).
- R01CA-05295-14 0002 (ET) ERHAN, S. Chemical basis of nitrogen mustard activity—Nitrogen mustard effect on DNA polymerase (bacteria).
- R01CA-05295-14 0003 (ET) RUTMAN, ROBERT J. Chemical basis of nitrogen mustard activity—Nitrogen mustard effect on RNA biosynthesis (mice).
- R01CA-05295-14 0004 (ET) RUTMAN, ROBERT J. Chemical basis of nitrogen mustard activity—Nitrogen mustard effect on membrane systems (mice).
- R01CA-05295-14 0005 (ET) RUTMAN, ROBERT J. Chemical basis of nitrogen mustard activity—CIS-PT II complexes (mice).
- R01CA-05295-14 0006 (ET) RUTMAN, ROBERT J. Chemical basis of nitrogen mustard activity—Nitrogen mustard effect on repair mechanisms in sensitive and resistant cells.
- R01CA-05298-14 (PHRB) MIJICH, ENRICO, ROSWELL PARK MEMORIAL INST, 666 ELM ST, BUFFALO, N Y. Cellular pharmacology of folate antagonists (human, rats, mice).
- R01CA-05310-14 (PTHB) HRUBAN, ZDENEK, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Mechanism of action of beta-3TA (mice).
- R01CA-05387-12 (SSS) LIPPINCOTT, JAMES A, DEPT OF BIOLOGICAL SCIENCES, NORTHWESTERN UNIVERSITY, EVANSTON, ILL. Tumor initiation in vitro (crown gall tumor, bean leaves).
- R01CA-05388-15 (CAP) NANDI, SATYABRATA, UNIVERSITY OF CALIFORNIA, 230 WARREN HALL, BERKELEY, CALIF. Biology of mammary neoplasia.
- R01CA-05388-15 0001 (CAP) DE OMBE, KENNETH B. Biology of mammary neoplasia—Problems of MTV-induced mammary cancer (mice).
- R01CA-05388-15 0002 (CAP) DE OMBE, KENNETH B. Biology of mammary neoplasia—Non-viral mammary cancer (mice).
- R01CA-05388-15 0008 (CAP) DE OMBE, KENNETH B. Biology of mammary neoplasia—Developmental and endocrinological studies (human, animals).
- R10CA-05436-14 (CCI) JOO, PATRICIA A, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Childrens cancer study group A.
- R01CA-05449-13 (PHRB) RADOMSKI, JACK L, UNIV OF MIAMI SCHOOL OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Mechanism of bladder cancer (dogs, rats).
- R10CA-05462-14 (CCI) MAURANI, FARID I, THOMAS JEFFERSON UNIVERSITY, 1015 SANSOM STREET, PHILADELPHIA, PA. Acute leukemia cooperative study group B.
- R01CA-05490-14 (ET) IRVING, CHARLES C, VETERANS ADMINISTRATION HOSP, 1030 JEFFERSON AVENUE, MEMPHIS, TENN. Chemical carcinogenesis (rats).
- R01CA-05493-14 (HRM) DE BRUYN, PETER P, UNIVERSITY OF CHICAGO, 1025 EAST 57TH STREET, CHICAGO, ILL. Leukopoietic mechanisms (rats, salamanders, lampreys).
- R01CA-05507-14 (MCHB) QUINN, LOUIS D, DUKE UNIVERSITY, DEPARTMENT OF CHEMISTRY, DURHAM, N C. Organophosphorus compounds for anticancer screening.
- R01CA-05513-14 (MCHA) MATTESON, DONALD S, WASHINGTON STATE UNIVERSITY, DEPT OF CHEMISTRY, PULLMAN, WASH. Water-soluble organoboron compounds.
- R10CA-05587-14 (CCI) VIETTI, TERESA J, DEPARTMENT OF PEDIATRICS, 500 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Southwest cancer chemotherapy study group (human).
- R10CA-05588-14 (CCI) APPELBAUM, JEROME, MAIMONIDES MEDICAL CENTER, 4802 TENTH AVENUE, BROOKLYN, N Y. Eastern cooperative oncology group.
- R01CA-05619-12 (VR) RUBIN, HARRY, STANLEY HALL, UNIV OF CALIFORNIA, BERKELEY, CALIF. Interactions in normal and malignant cell populations.
- R10CA-05634-14 (CCI) KREMER, WILLIAM R, VETERANS ADMINISTRATION HOSP, 508 FULTON STREET, DURHAM, N C. Southeastern cancer study group.
- R10CA-05641-14 (CCI) LESSNER, HOWARD E, P O BOX 875-BISCAYNE ANNEX, MIAMI, FLA. Southeastern cancer study group.
- R01CA-05643-14 (RAD) PLETCHER, GILBERT H, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEXAS. Evaluation of supervoltage therapy (human).
- R01CA-05660-14 (MAB) BREYERE, EDWARD J, SIBLEY MEMORIAL HOSPITAL, 5225 LOUGHBORO RD, N W, WASHINGTON, D C. The maternal-fetal allograft relation (mice).
- R01CA-05671-14 (PHRB) ROSEN, FRED, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Glucocorticoid receptors in normal and malignant tissue.
- R01CA-05671-14 0001 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Inhibition of DNA synthesis by cortisol.
- R01CA-05671-14 0002 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Dexamethasone effects on glucose uptake and hexokinase activity.
- R01CA-05671-14 0003 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Inhibition of RNA by cortisol.
- R01CA-05671-14 0004 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Protein biosynthesis and inhibition of glucocorticoids (rats).
- R01CA-05671-14 0005 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Glucocorticoid receptors in lymphosarcoma P1798.
- R01CA-05671-14 0006 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Sedimentation coefficients of tritium -TA-binding macromolecules (rats).
- R01CA-05671-14 0007 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Cortisol (rats).
- R01CA-05671-14 0008 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Enzyme induction and gluconeogenesis (mice, guinea pigs, rats).
- R01CA-05671-14 0009 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Regulation of enzyme activity in liver.
- R01CA-05671-14 0010 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Inhibition of tyrosine aminotransferase by 4-deoxyypyridoxine.
- R01CA-05671-14 0011 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Cyclic AMP (rats).
- R01CA-05671-14 0012 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Tryptophan oxygenase (rats).
- R01CA-05671-14 0013 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Tumor inhibition of enzyme induction (rats).
- R01CA-05671-14 0014 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Glucocorticoid receptors in rat liver.
- R01CA-05671-14 0015 (PHRB) ROSEN, FRED. Glucocorticoid receptors in normal and malignant tissue—Carcinogens and glucocorticoid receptors in liver.
- R01CA-05672-13 (ET) ARONOW, LEWIS, STANFORD UNIVERSITY, DEPT OF PHARMACOLOGY, STANFORD, CALIF. Drug resistance in mouse cells cultured in vitro.
- R01CA-05680-13 (PTHA) SVOBODA, DONALD J, UNIVERSITY OF KANSAS MED CTR, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. Hepatocellular responses to drugs and carcinogens (mice, rats, monkeys).
- R01CA-05687-14 (RAD) GREENBERG, JOSEPH, PALO ALTO MEDICAL RESEARCH FDN, 860 BRYANT STREET, PALO ALTO, CALIF. Genetics of radiation and radiomimetic agents (microorganisms).
- R01CA-05790-13 (VR) WALKER, ROLAND, RENSSELAER POLYTECHNIC INST, DEPARTMENT OF BIOLOGY, TROY, N Y. Cytology of viral neoplasms in fish.
- P02CA-05826-13 (CAP) BURCHENAL, JOSEPH H, MEM HOSP FOR CANCER & ALLD DIS, 1275 YORK AVENUE, NEW YORK, N Y. Clinical cancer research center.
- P02CA-05826-13 0034 (CAP) KRAKOFF, IRWIN H. Clinical cancer research center—Cancer Chemotherapy Central Clinical Facility.
- P02CA-05826-13 0035 (CAP) GOOD, ROBERT A. Clinical cancer research center—Cancer immunobiology—correlation between immunological deficiency and incidence.
- P02CA-05826-13 0036 (CAP) GOOD, ROBERT A. Clinical cancer research center—Cancer immunobiology—immunological reconstitution in immunodeficiency.
- P02CA-05826-13 0037 (CAP) GOOD, ROBERT A. Clinical cancer research center—Cancer immunobiology—immunovirology of human cancer.
- P02CA-05826-13 0038 (CAP) GOOD, ROBERT A. Clinical cancer research center—Cancer immunobiology—cell-mediated immune reactions to human cancer.
- P02CA-05826-13 0009 (CAP) GOOD, ROBERT A. Clinical cancer research center—Cancer immunobiology—immunological diagnosis of human cancer.
- P02CA-05826-13 0040 (CAP) GOOD, ROBERT A. Clinical cancer research center—Cancer immunobiology—immunotherapy of human cancer.
- P02CA-05826-13 0041 (CAP) LIPKIN, MARTIN. Clinical cancer research center—Medical and metabolic studies—normal and malignant gastrointestinal cells in man.
- P02CA-05826-13 0042 (CAP) SHILS, MAURICE E. Clinical cancer research center—Medical and metabolic studies—nutritional problems.
- P02CA-05826-13 0043 (CAP) ARMSTRONG, DONALD. Clinical cancer research center—Dietary control of enteric organisms in acute leukemia (human).
- P02CA-05826-13 0044 (CAP) SCHEINER, ELLEN. Clinical cancer research center—Medical and metabolic studies—malignant ascites.
- P02CA-05826-13 0045 (CAP) LEEPER, ROBERT D. Clinical cancer research center—Medical and metabolic studies—thyrotropin releasing hormone in thyroid cancer.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P02CA-05826-13 0046 (CAP) SHNS, MAURICE E. Clinical cancer research center—Medical and metabolic studies—renal impairment with long acting tetracycline.
- P02CA-05826-13 0047 (CAP) SONENBERG, MARTIN. Clinical cancer research center—Medical and metabolic studies—growth hormone peptides in man.
- P02CA-05826-13 0048 (CAP) DIMICH, ALEXANDRA B. Clinical cancer research center—Medical and metabolic studies—effect of calcitonin on hypercalcemia.
- P02CA-05826-13 0049 (CAP) BENUA, RICHARD S. Clinical cancer research center—Medical and metabolic studies—tumor-localizing radionuclides in man.
- P02CA-05826-13 0050 (CAP) LUKAS, DANIEL S. Clinical cancer research center—Metabolism of digitalis steroids in patients.
- P02CA-05826-13 0051 (CAP) SHNS, MAURICE E. Clinical cancer research center—Effect of esophagectomy and vagotomy on fat absorption (human).
- P02CA-05826-13 0052 (CAP) ISAACS, MARIAN. Clinical cancer research center—Renal tubular disorders associated with cancer (human).
- P02CA-05826-13 0053 (CAP) WINAWER, SIDNEY J. Clinical cancer research center—Human growth hormone in controlling massive hemorrhage from stress erosions.
- P02CA-05826-13 0034 (CAP) DIMICH, ALEXANDRA B. Clinical cancer research center—Oral phosphate administration for altered calcium metabolism (human).
- P02CA-05826-13 0055 (CAP) SHNS, MAURICE E. Clinical cancer research center—Nutritional influences on therapeutic responses.
- P02CA-05826-13 0056 (CAP) WINAWER, SIDNEY J. Clinical cancer research center—Malabsorption in malignant lymphoma.
- P02CA-05826-13 0057 (CAP) SONENBERG, MARTIN. Clinical cancer research center—Enzyme treated bovine growth hormone.
- P02CA-05826-13 0058 (CAP) SHNS, MAURICE E. Clinical cancer research center—Malabsorption in cancer patients.
- P02CA-05826-13 0059 (CAP) MYERS, W P LAIRD. Clinical cancer research center—Calcium metabolism in cancer and metabolic bone disease.
- P02CA-05826-13 0060 (CAP) VANAMEE, PARKER. Clinical cancer research center—Metabolic renal and electrolyte disturbances associated with potassium depletion.
- P02CA-05826-13 0061 (CAP) SHNS, MAURICE E. Clinical cancer research center—Clinical magnesium deficiency.
- P02CA-05826-13 0062 (CAP) LIPKIN, MARTIN. Clinical cancer research center—Gastrointestinal mucosa in premalignant and malignant states.
- P02CA-05826-13 0063 (CAP) ISAACS, MARIAN. Clinical cancer research center—Bicarbonate reabsorption in renal disease.
- P02CA-05826-13 0064 (CAP) SCHEINER, ELLEN. Clinical cancer research center—Aldosterone in potassium wastage following urinary tract diversion.
- P02CA-05826-13 0063 (CAP) ISAACS, MARIAN. Clinical cancer research center—Hyponatremia in cancer patients.
- P02CA-05826-13 0066 (CAP) SHNS, MAURICE E. Clinical cancer research center—Liquid diet for malabsorption in cancer.
- P02CA-05826-13 0067 (CAP) SHNS, MAURICE E. Clinical cancer research center—Rapid determination of fat absorption in man.
- P02CA-05826-13 0068 (CAP) GOLDSTEIN, MICHAEL. Clinical cancer research center—Gastrointestinal manifestations of malignant lymphoma.
- P02CA-05826-13 0069 (CAP) POSNER, JEROME B. Clinical cancer research center—Classification of neurological complications of cancer.
- P02CA-05826-13 0070 (CAP) GALICICH, JOSEPH H. Clinical cancer research center—Monitoring intracranial pressure (human).
- P02CA-05826-13 0071 (CAP) GALICICH, JOSEPH H. Clinical cancer research center—Endocrinologic studies in pituitary tumors (human).
- P02CA-05826-13 0072 (CAP) SHAPIRO, WILLIAM R. Clinical cancer research center—Methotrexate in central nervous system cancer (human).
- P02CA-05826-13 0073 (CAP) SHAPIRO, WILLIAM R. Clinical cancer research center—Kinetic behavior of brain tumor cells (human).
- P02CA-05826-13 0074 (CAP) POSNER, JEROME B. Clinical cancer research center—Fast and slow radiotherapy of metastatic brain tumors (human).
- P02CA-05826-13 0075 (CAP) POSNER, JEROME B. Clinical cancer research center—Radiation therapy versus surgery for cord compression (human).
- P02CA-05826-13 0076 (CAP) SHAPIRO, WILLIAM R. Clinical cancer research center—Radiation, CCNU and steroids for malignant melanoma (human).
- P02CA-05826-13 0077 (CAP) GALICICH, JOSEPH H. Clinical cancer research center—Surgery versus radiation therapy for single metastases (human).
- P02CA-05826-13 0078 (CAP) SHAPIRO, WILLIAM R. Clinical cancer research center—Chemotherapy of primary and metastatic tumors (human).
- P02CA-05826-13 0079 (CAP) LEWIS, JOHN L. Clinical cancer research center—Gestational trophoblastic neoplasms (human).
- P02CA-05826-13 0030 (CAP) LEWIS, JOHN L. Clinical cancer research center—Endometrial and breast cancer (human).
- P02CA-05826-13 0081 (CAP) LEWIS, JOHN L. Clinical cancer research center—Reproductive function in females with Hodgkin's disease.
- P02CA-05826-13 0082 (CAP) LEWIS, JOHN L. Clinical cancer research center—Amenorrhea in chemotherapy (human).
- P02CA-05826-13 0083 (CAP) FORTNER, JOSEPH G. Clinical cancer research center—Clinical hepatic transplantation for cancer.
- P02CA-05826-13 0034 (CAP) SUMMERLIN, WILLIAM T. Clinical cancer research center—Transplantation immunology of skin (human, mice, tissue culture).
- P02CA-05826-13 0085 (CAP) WHITMORE, WILLET F. Clinical cancer research center—Endocrine profile in prostatic cancer (human).
- P02CA-05826-13 0036 (CAP) MURPHY, M LOIS. Clinical cancer research center—Pediatric oncology—hemangioma.
- P02CA-05826-13 0007 (CAP) MURPHY, M LOIS. Clinical cancer research center—Pediatric oncology—neuroblastoma.
- P02CA-05826-13 0063 (CAP) MURPHY, M LOIS. Clinical cancer research center—Pediatric oncology—embryonal rhabdomyosarcoma.
- P02CA-05826-13 0009 (CAP) MURPHY, M LOIS. Clinical cancer research center—Pediatric oncology—Ewing's sarcoma.
- P02CA-05826-13 0090 (CAP) MURPHY, M LOIS. Clinical cancer research center—Pediatric oncology—osteogenic sarcoma.
- P02CA-05826-13 0091 (CAP) MURPHY, M LOIS. Clinical cancer research center—Pediatric oncology—Hodgkin's disease.
- P02CA-05826-13 0092 (CAP) MURPHY, M LOIS. Clinical cancer research center—Pediatric oncology—psychopathological family constellations.
- P02CA-05826-13 0093 (CAP) ROTHSCHELD, EDMUND O. Clinical cancer research center—Parathyroid localization of selenomethionine in man.
- P02CA-05826-13 0094 (CAP) ARMSTRONG, DONALD. Clinical cancer research center—Microbiology laboratory.
- P02CA-05826-13 0095 (CAP) SCHWARTZ, MORTON K. Clinical cancer research center—Special clinical biochemical procedure laboratory.
- P02CA-05831-13 (CAP) CLARK, B LEE, UNIVERSITY OF TEXAS, 6723 BERTNER AVE, HOUSTON, TEX. Cancer clinical research.
- P02CA-05831-13 0002 (CAP) HILL, C STRATTON JR. Cancer clinical research—Family study of medullary carcinoma of the thyroid.
- P02CA-05831-13 0003 (CAP) SAMAAN, NAQUIB A. Cancer clinical research—Pituitary tumors and effect of various treatments and managements.
- P02CA-05831-13 0004 (CAP) SAMAAN, NAQUIB A. Cancer clinical research—Hormone producing non-endocrine tumors (human).
- P02CA-05831-13 0003 (CAP) SINKOVICS, JOSEPH G. Cancer clinical research—Effect of oncolytic viruses in selected cases of human malignant diseases.
- P02CA-05831-13 0012 (CAP) GUINN, GENE A. Cancer clinical research—Chronic thoracic duct fistula (human).
- P02CA-05831-13 0013 (CAP) HERSH, EVAN M. Cancer clinical research—Inter-relationship of neoplastic disease and immune response (human).
- P02CA-05831-13 0014 (CAP) MCBRIDE, CHARLES M. Cancer clinical research—Treatment of advanced melanoma.
- P02CA-05831-13 0015 (CAP) ROMSDAHL, MARVIN M. Cancer clinical research—Serum tyrosinase in patients with malignant melanoma.
- P02CA-05831-13 0016 (CAP) ROMSDAHL, MARVIN M. Cancer clinical research—Immunological studies of patients with solid tumors.
- P02CA-05831-13 0019 (CAP) ANDERSON, DAVID E. Cancer clinical research—Early detection of familial breast cancer.
- P02CA-05831-13 0024 (CAP) HERSH, EVAN. Cancer clinical research—Effect of chemotherapy on immune response (human).
- P02CA-05831-13 0026 (CAP) FREIRECH, EMIL J. Cancer clinical research—Studies of leukocyte physiology (human).
- P02CA-05831-13 0027 (CAP) LOO, TI LI. Cancer clinical research—Pharmacology of new cancer chemotherapy agents.
- P02CA-05831-13 0028 (CAP) BODEY, GERALD P. Cancer clinical research—Microbiological monitoring of the protected environment.
- P02CA-05831-13 0029 (CAP) HART, JACQUELINE. Cancer clinical research—Cellular chemotherapy and kinetics (human).
- P02CA-05831-13 0030 (CAP) DMOCHOWSKI, LEON. Cancer clinical research—Relationship of viruses to human solid tumors (also mice).
- P02CA-05831-13 0032 (CAP) SUTOW, W W. Cancer clinical research—New cancer chemotherapeutic agents.
- P02CA-05831-13 0034 (CAP) WITHERS, H RODNEY. Cancer clinical research—Immunological reactivity in carcinoma patients receiving radiotherapy.
- P02CA-05831-13 0036 (CAP) COPELAND, EDWARD M. Cancer clinical research—Parenteral hyperalimentation in the cancer patient (also rats).
- P02CA-05831-13 0037 (CAP) RUTHERFORD, WARREN L. Cancer clinical research—Research dietetic section.
- P02CA-05831-13 0038 (CAP) VANEYS, JAN. Cancer clinical research—Biochemical basis of varying drug toxicity (human).
- P02CA-05831-13 0039 (CAP) HILKEMEYER, RENILDA. Cancer clinical research—Nursing care.
- P02CA-05831-13 0040 (CAP) ALEXANIAN, RAYMOND. Cancer clinical research—Growth kinetics of plasma cell tumors (human).
- P02CA-05831-13 0041 (CAP) WAGNER, EDNA C. Cancer clinical research—Medical social service.
- P02CA-05831-13 0042 (CAP) SHAW, CHARLES R. Cancer clinical research—Genetic variation in enzymes which modify chemical carcinogens.
- P02CA-05834-13 (CAP) HENDERSON, EDWARD S, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Cancer clinical research center.
- P02CA-05834-13 0007 (CAP) ELLISON, ROSE B. Cancer clinical research center—Bone marrow culture (human, mice).
- P02CA-05834-13 0031 (CAP) YATES, JEROME. Cancer clinical research center—Cancer therapy with epipodophylotoxin (human).
- P02CA-05834-13 0033 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Pre-treatment patient evaluation.
- P02CA-05834-13 0034 (CAP) GAILANI, SALMAN. Cancer clinical research center—Assays for drug sensitivity before and after chemotherapy.
- P02CA-05834-13 0035 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Subcellular morphological diagnosis of acute leukemia.
- P02CA-05834-13 0036 (CAP) PRIORE, ROGER. Cancer clinical research center—Patient data—Collection and analysis.
- P02CA-05834-13 0037 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Immunotherapy studies—Leukemia (human).
- P02CA-05834-13 0038 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Pharmacology of cancer drugs.
- P02CA-05834-13 0039 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Acute myelocyt leukemia (human).
- P02CA-05834-13 0040 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Acute lymphocytic leukemia (human).
- P02CA-05834-13 0041 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Multiple myeloma (human).
- P02CA-05834-13 0042 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Lymphoma (human).
- P02CA-05834-13 0043 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Carcinoma of the breast (human).
- P02CA-05834-13 0044 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Lung cancer (human).
- P02CA-05834-13 0045 (CAP) HENDERSON, EDWARD S. Cancer clinical research center—Gastrointestinal cancer (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- P02CA-05834-13 0046 (CAP) GAILANI, SALMAN. Cancer clinical research center-Malignant melanoma.
- P02CA-05834-13 0047 (CAP) HENDERSON, EDWARD S. Cancer clinical research center-Central nervous system neoplasms (human).
- P02CA-05834-13 0048 (CAP) WALLACE, H JAMES. Cancer clinical research center-Gynecologic cancers (human).
- P02CA-05834-13 0049 (CAP) YATES, JEROME. Cancer clinical research center-Osteosarcoma (human).
- P02CA-05834-13 0050 (CAP) HIGBY, DONALD J. Cancer clinical research center-Cancer therapy with platinum complexes (human).
- P02CA-05834-13 0051 (CAP) WALLACE, H JAMES. Cancer clinical research center-Cancer therapy with nitrosourea-imidazole carboxamide combination (human).
- P02CA-05834-13 0052 (CAP) HENDERSON, EDWARD S. Cancer clinical research center-Cancer therapy with cytembena (human).
- P02CA-05834-13 0053 (CAP) HENDERSON, EDWARD S. Cancer clinical research center-Cancer therapy with crystalline antibiotic (human).
- P02CA-05834-13 0054 (CAP) HIGBY, DONALD J. Cancer clinical research center-Improving granulocyte collection techniques (human).
- P02CA-05834-13 0055 (CAP) HIGBY, DONALD J. Cancer clinical research center-Clinical evaluation of granulocyte transfusion (human).
- P02CA-05837-12 (CAP) KREMENTZ, EDWARD T, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Cancer clinical research.
- P02CA-05837-12 0001 (CAP) BOWERS, CYRIL Y. Cancer clinical research-Endocrinology (human).
- P02CA-05837-12 0002 (CAP) LITWIN, MARTIN S. Cancer clinical research-5-Fluorouracil (human).
- P02CA-05837-12 0003 (CAP) MANSSELL, PETER W A. Cancer clinical research-Immunotherapy (human).
- P02CA-05837-12 0004 (CAP) NEWELL, GUY R. Cancer clinical research-Epidemiologic oncology (human).
- P02CA-05837-12 0005 (CAP) KREMENTZ, EDWARD T. Cancer clinical research-Hematology (human).
- P02CA-05837-12 0006 (CAP) KREMENTZ, EDWARD T. Cancer clinical research-Hydroxyurea and cytosine arabinoside (human).
- P02CA-05837-12 0007 (CAP) KREMENTZ, EDWARD T. Cancer clinical research-Bone marrow ultrastructure in myelogenous leukemia with multiple myeloma (human).
- P02CA-05837-12 0008 (CAP) KREMENTZ, EDWARD T. Cancer clinical research-Social work associated with cancer outpatients.
- P02CA-05838-13 (CAP) KAPLAN, HENRY S, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, STANFORD, CALIF. Clinical radiotherapy cancer research center.
- P02CA-05838-13 0001 (CAP) CASTELLINO, RONALD. Clinical radiotherapy cancer research center-Diagnostic oncologic radiology.
- P02CA-05838-13 0003 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Combined therapy of glioblastoma.
- P02CA-05838-13 0004 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Advanced pelvic neoplasms.
- P02CA-05838-13 0005 (CAP) ROSENBERG, SAUL A. Clinical radiotherapy cancer research center-Non-Hodgkin's lymphoma.
- P02CA-05838-13 0008 (CAP) BAGSHAW, MALCOLM A. Clinical radiotherapy cancer research center-Combined chemo- and radiotherapy of brain tumors.
- P02CA-05838-13 0039 (CAP) CROWLEY, LAWRENCE O. Clinical radiotherapy cancer research center-Preoperative radiotherapy in bladder cancer.
- P02CA-05838-13 0010 (CAP) CROWLEY, LAWRENCE O. Clinical radiotherapy cancer research center-Hypopharynx protocol.
- P02CA-05838-13 0012 (CAP) BAGSHAW, MALCOLM A. Clinical radiotherapy cancer research center-Prostate protocol.
- P02CA-05838-13 0014 (CAP) CASTELLINO, RONALD. Clinical radiotherapy cancer research center-Radiogallium.
- P02CA-05838-13 0015 (CAP) BAGSHAW, MALCOLM A. Clinical radiotherapy cancer research center-Bone scanning with radiofluorine and technetium.
- P02CA-05838-13 0018 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Mycosis fungoides protocol.
- P02CA-05838-13 0019 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Combined radio- and chemotherapy-Osteogenic sarcomas.
- P02CA-05838-13 0021 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Testicular tumors.
- P02CA-05838-13 0022 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Orbital radiotherapy for Graves' ophthalmopathy.
- P02CA-05838-13 0023 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Hodgkin's disease.
- P02CA-05838-13 0024 (CAP) WILBUR, JORDAN R. Clinical radiotherapy cancer research center-Supportive care techniques-Children.
- P02CA-05838-13 0025 (CAP) WILBUR, JORDAN R. Clinical radiotherapy cancer research center-Pediatric oncology program.
- P02CA-05838-13 0026 (CAP) KAPLAN, HENRY S. Clinical radiotherapy cancer research center-Negative Pi meson beam radiotherapy.
- P02CA-05838-13 0027 (CAP) REMINGTON, JACK S. Clinical radiotherapy cancer research center-Activated macrophages in tumor immunity (human).
- P02CA-05838-13 0028 (CAP) MERIGAN, THOMAS C JR. Clinical radiotherapy cancer research center-Herpes-Zoster infections control (human).
- P02CA-05838-13 0029 (CAP) DORFMAN, RONALD F. Clinical radiotherapy cancer research center-Surgical pathology laboratory.
- P02CA-05838-13 0030 (CAP) KARZMARK, CLARENCE J. Clinical radiotherapy cancer research center-Radiotherapy physics.
- R01CA-05873-13 (GEN) COLEMAN, DOUGLAS L, JACKSON LABORATORY, BAR HARBOR, MAINE. Biochemistry of pigmentation and inherited disorders (mice).
- R01CA-05945-11 (PTHB) SOROF, SAM, INST FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Macromolecules in liver carcinogenesis (rats, mice).
- R01CA-05949-13 (PHRB) FISHER, BERNARD, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Anticoagulants, chemotherapy and tumor metastases (rabbits, rats, mice).
- R01CA-05953-13 (ET) WOLBERG, WILLIAM H, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVE 715C, MADISON, WIS. Human tumors in vitro.
- R01CA-05953-13 0001 (ET) WOLBERG, WILLIAM H. Human tumors in vitro-Biochemical studies with human tumors.
- R01CA-05953-13 0002 (ET) WOLBERG, WILLIAM H. Human tumors in vitro-Immunological studies with human tumors (dogs).
- R01CA-05959-13 (GEN) FRIED, JEROME J, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVE, PHILADELPHIA, PA. Genetic-cytochemical studies on haploid cells in culture (frogs).
- R01CA-05985-13 (PTHB) MURPHY, EDWIN D, JACKSON LABORATORY, BAR HARBOR, MAINE. Stages of carcinogenesis of the cervix uteri in mice.
- R01CA-05985-13 0001 (PTHB) MURPHY, EDWIN D. Stages of carcinogenesis of the cervix uteri in mice-Promoting effect of enovid on cervical carcinoma (mice).
- R01CA-05985-13 0002 (PTHB) MURPHY, EDWIN D. Stages of carcinogenesis of the cervix uteri in mice-Arrest of Hodgkins-like tumors by immunotherapy (mice SJL/J).
- R01CA-05985-13 0003 (PTHB) MURPHY, EDWIN D. Stages of carcinogenesis of the cervix uteri in mice-Action of steel alleles in susceptibility to viral leukomogenesis (mice).
- R01CA-05985-13 0004 (PTHB) MURPHY, EDWIN D. Stages of carcinogenesis of the cervix uteri in mice-Single locus models for ovarian and pituitary tumorigenesis (mice).
- R01CA-06081-13 (PTHB) HERMAN, LAWRENCE, STATE UNIVERSITY OF NEW YORK, DEPT OF PATHOLOGY, BROOKLYN, N Y. Ultrastructural pathology.
- R01CA-06081-13 0001 (PTHB) PARSA, ISMAIL. Ultrastructural pathology-Exocrine pancreas differentiation (rats).
- R01CA-06081-13 0004 (PTHB) HERMAN, LAWRENCE. Ultrastructural pathology-Localization of cations in the endocrine pancreas (mammals).
- R01CA-06081-13 0008 (PTHB) ANDERSON, H CLARKE. Ultrastructural pathology-Fine structure of calcification (cattle, chick embryo).
- R01CA-06081-13 0006 (PTHB) KAUFFMAN, SHIRLEY L. Ultrastructural pathology-Effect of urethane on cell proliferation in mouse lung.
- R01CA-06081-13 0008 (PTHB) COPPOLA, ANTHONY. Ultrastructural pathology-Experimental malignant lymphoma studies (Guinea pigs, mice).
- R01CA-06081-13 0009 (PTHB) HERMAN, LAWRENCE. Ultrastructural pathology-Re-investigation of muscle contraction (rabbits, fish).
- R01CA-06081-13 0010 (PTHB) HERMAN, LAWRENCE. Ultrastructural pathology-Calcium localization to blood platelets (mammals).
- R01CA-06097-13 (RAD) QUEVEDO, WALTER C, JR, BROWN UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, PROVIDENCE, R I. Response of pigment cells to X-and UV-radiations (rodents, chick embryo).
- R01CA-06145-13 (ET) MEALEY, JOHN, JR, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Chemotherapy of intracranial neoplasms.
- R01CA-06145-13 0001 (ET) MEALEY, JOHN JR. Chemotherapy of intracranial neoplasms-Culturing brain and brain tumor cells (human).
- R01CA-06145-13 0002 (ET) MEALEY, JOHN JR. Chemotherapy of intracranial neoplasms-Application of brain cell culture.
- R01CA-06145-13 0003 (ET) MEALEY, JOHN JR. Chemotherapy of intracranial neoplasms-Biocharacteristics of brain and glioma cells (human).
- R01CA-06145-13 0004 (ET) MEALEY, JOHN JR. Chemotherapy of intracranial neoplasms-Sensitivity of glial cells to chemotherapeutic drugs (human).
- R01CA-06145-13 0005 (ET) MEALEY, JOHN JR. Chemotherapy of intracranial neoplasms-Corticosteroids (human).
- R01CA-06145-13 0006 (ET) MEALEY, JOHN JR. Chemotherapy of intracranial neoplasms-Transplantation of brain tumor cells (mice, hamsters).
- R01CA-06145-13 0007 (ET) MEALEY, JOHN JR. Chemotherapy of intracranial neoplasms-Clinical studies.
- R01CA-06263-13 (RAD) LODWICK, GWYNLYM S, UNIVERSITY OF MISSOURI, DEPT OF RADIOLOGY, COLUMBIA, MO. Computer analysis of tumor roentgenograms (human).
- P02CA-06294-13 (CAP) FLETCHER, GILBERT H, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Radiotherapy research.
- P02CA-06294-13 0001 (CAP) CASTRO, JOSEPH R. Radiotherapy research-Female genital tract (human).
- P02CA-06294-13 0003 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Upper respiratory and digestive passages (human).
- P02CA-06294-13 0008 (CAP) DECLOS LOUIS. Radiotherapy research-Carcinoma of the breast (human).
- P02CA-06294-13 0004 (CAP) FULLER LILLIAN M. Radiotherapy research-Lymphomas (human).
- P02CA-06294-13 0005 (CAP) FLETCHER GILBERT H. Radiotherapy research-Electron beam therapy (human).
- P02CA-06294-13 0006 (CAP) CASTRO, JOSEPH R. Radiotherapy research-Genito-urinary tract (human).
- P02CA-06294-13 0007 (CAP) FLETCHER GILBERT H. Radiotherapy research-Hyperbaric oxygen and radiation therapy (human).
- P02CA-06294-13 0008 (CAP) STOVALL M. Radiotherapy research-High LET radiation therapy (human, dogs).
- P02CA-06294-13 0010 (CAP) SHALEK ROBERT J. Radiotherapy research-Radiation physics (human, mammals nonhuman).
- P02CA-06294-13 0011 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Bronchogenic carcinoma (human).
- P02CA-06294-13 0012 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Carcinoma of the esophagus (human).
- P02CA-06294-13 0013 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Modification in radiation therapy techniques (human).
- P02CA-06294-13 0014 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Treatment with the electron beam.
- P02CA-06294-13 0015 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Pediatric tumors.
- P02CA-06294-13 0016 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Immunological reactivity with irradiation (human).
- P02CA-06294-13 0017 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Computer program.
- P02CA-06294-13 0018 (CAP) FLETCHER, GILBERT H. Radiotherapy research-Dental program (human, monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P01CA-06373-12 (CAP) MACMAHON, BRIAN, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Epidemiologic studies of cancer (human).
- R01CA-06420-13 (GEN) BOTTOMLEY, RICHARD H. OKLAHOMA MED RES FOUNDATION, 825 NORTH EAST 13TH STREET, OKLAHOMA CITY, OKLA. Karyotype and phenotype of malignant cells (human, rats, hamsters).
- R01CA-06437-13 (RAD) KAPLAN, HENRY S, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Molecular basis of radiation lethality (bacteria).
- R01CA-05475-13 (COM) SKAGOS, LESTER S, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Analog computer for research in biology and medicine.
- P02CA-06516-12 (CAP) FRIE, EMM, 3D, CHILDREN'S CANCER RES FDN, INC, 35 BINNEY STREET, BOSTON, MASS. Cancer center support grant-Comprehensive.
- P02CA-06516-12 0001 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Development of a program in human cytogenetics.
- P02CA-06516-12 0003 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Centralized service and cell culture, cell/virus production.
- P02CA-06516-12 0003 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Chemotherapy-New agents and combinations (human).
- P02CA-06516-12 0004 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Clinical pharmacology.
- P02CA-06516-12 0005 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Evaluation of diagnostic techniques (human).
- P02CA-06516-12 0006 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Pediatric neoplasms.
- P02CA-06516-12 0007 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Adult solid tumors.
- P02CA-06516-12 0008 (CAP) MOLONEY, W. Cancer center support grant-Comprehensive-Hematologic malignancies.
- P02CA-06516-12 0009 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Clinical microbiology and infectious disease.
- P02CA-06516-12 0010 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Cytokinetics-Experimental and clinical (human).
- P02CA-06516-12 0011 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Blood products and supportive care (human, rats).
- P02CA-06516-12 0012 (CAP) FRIE, EMM, III. Cancer center support grant-Comprehensive-Cancer epidemiology.
- P02CA-06516-12 0013 (CAP) HERMAN, PETER. Cancer center support grant-Comprehensive-Circulation in the metastatic lymph node (rabbits).
- P02CA-06516-12 0014 (CAP) MODEST, EDWARD J. Cancer center support grant-Comprehensive-Bio organic synthesis (human, rodent).
- P02CA-06516-12 0015 (CAP) SAMY, T. Cancer center support grant-Comprehensive-Chemical characterization of neocarzinostatin.
- P02CA-06516-12 0016 (CAP) MODEST, EDWARD J. Cancer center support grant-Comprehensive-Preclinical evaluation of antitumor agents.
- P02CA-05516-12 0017 (CAP) SCHLOSSMAN, STUART F. Cancer center support grant-Comprehensive-Immunology-adjvant-melanoma-bone marrow (rabbits, mice, guinea pigs).
- P02CA-06516-12 0018 (CAP) CANTOR, H. Cancer center support grant-Comprehensive-Development of T-lymphocytes (rabbits, mice).
- P02CA-05516-12 0019 (CAP) RASO, V. Cancer center support grant-Comprehensive-Development of radioimmunoassays for chemotherapeutic agents.
- P02CA-05516-12 0020 (CAP) CANTOR, H. Cancer center support grant-Comprehensive-Cellular and antibody immune responses (human, mice).
- P02CA-06516-12 0021 (CAP) WEINER, R. Cancer center support grant-Comprehensive-Cryopreservation of human lymphoid and tumor cells.
- P02CA-05516-12 0022 (CAP) REINISCH, C. Cancer center support grant-Comprehensive-Mechanism of SV40 protection (mice).
- P02CA-06516-12 0023 (CAP) SCHLOSSMAN, STUART F. Cancer center support grant-Comprehensive-Measurements of cell mediated immunity in man.
- P02CA-06516-12 0024 (CAP) SCHLOSSMAN, STUART F. Cancer center support grant-Comprehensive-Investigation of immune response in cancer patients.
- P02CA-06516-12 0025 (CAP) ADAMS, R. Cancer center support grant-Comprehensive-Heterotransplantation approaches to human leukemia and lymphoma (hamsters, rats).
- P02CA-05516-12 0026 (CAP) LIVINGSTON, DAVID. Cancer center support grant-Comprehensive-Detection of sub infections RNA tumor virus gene expression.
- P02CA-06516-12 0028 (CAP) LAZARUS, H. Cancer center support grant-Comprehensive-Cell culture and cell physiology (human).
- P02CA-05516-12 0039 (CAP) DESAI, L. Cancer center support grant-Comprehensive-Immunochemistry and human chromosome identification (*Drosophila*, human).
- P02CA-06516-12 0050 (CAP) SIEGLER, RICHARD. Cancer center support grant-Comprehensive-Experimental leukemogenesis (rats, mice, human).
- P02CA-06516-12 0031 (CAP) SLAYTER, HENRY. Cancer center support grant-Comprehensive-EM investigation of macromolecular components (mammals).
- P02CA-06516-12 0032 (CAP) YEROANNION, GEORGE. Cancer center support grant-Comprehensive-Characterization of endogenous Herpes virus (hamster).
- P02CA-06516-12 0033 (CAP) YEROANNION, GEORGE. Cancer center support grant-Comprehensive-Poly A metabolism in normal and tumor cells (hamsters).
- P02CA-05518-11 (CAP) WIZENBERG, MORRIS J, UNIVERSITY OF MARYLAND HOSP, DIVISION OF RADIATION THERAPY, BALTIMORE, MD. Radiation and radiobiology research center.
- P02CA-06518-11 0004 (CAP) ROBINSON, J E. Radiation and radiobiology research center-Patient localization verification.
- P02CA-06518-11 0008 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Effect of hyperthermia on radiosensitivity (mice).
- P02CA-06518-11 0009 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Fractionated response to hyperthermia and x-radiation (mice).
- P02CA-06518-11 0019 (CAP) ROBINSON, JAMES E. Radiation and radiobiology research center-In vitro studies on hyperthermia and radiation (human).
- P02CA-06518-11 0020 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Delayed hypersensitivity response in cancer (human).
- P02CA-06518-11 0021 (CAP) SCHONFIELD, JACOB. Radiation and radiobiology research center-Psychological factors affecting recovery from malignant tumors.
- P02CA-06518-11 0028 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Psychological factors after remission following radiotherapy.
- P02CA-06518-11 0032 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Invasive carcinoma of the cervix (human).
- P02CA-06518-11 0033 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Radiation hepatitis.
- P02CA-06518-11 0034 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Effect of elevated temperature on oxygen enhancement (mice).
- P02CA-06518-11 0035 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Metastases at elevated temperature (mice).
- P02CA-06518-11 0036 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Radiation response of *Vicia faba*.
- P02CA-06518-11 0037 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-Studies of proton and neutron beams (plants, tissue culture, human).
- P02CA-06518-11 0038 (CAP) WIZENBERG, MORRIS J. Radiation and radiobiology research center-DNCB study.
- P02CA-06519-12 (CAP) FISCHER, JAMES J, YALE UNIVERSITY, DEPT-MOLECULAR BIOPHY/BIOCHEM, NEW HAVEN, CONN. Radiation therapy and biology research program.
- P02CA-06519-12 0004 (CAP) COLE, R S. Radiation therapy and biology research program-Biological evidence for repair of psoralen cross-links in bacterial cells.
- P02CA-06519-12 0005 (CAP) COLE, R S. Radiation therapy and biology research program-Accurate repair of DNA containing interstrand cross-links.
- P02CA-06519-12 0022 (CAP) HOWARD-FLANDERS, P. Radiation therapy and biology research program-Cellular recovery mechanisms, DNA repair and radiation sensitization.
- P02CA-06519-12 0023 (CAP) HOWARD-FLANDERS, P. Radiation therapy and biology research program-Characteristics of a strain of *E coli* K12 carrying *recA* ts.
- P02CA-06519-12 0036 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program-Experimental radiation therapy of solid tumors (rats).
- P02CA-06519-12 0043 (CAP) KNOWLTON, A H. Radiation therapy and biology research program-Preoperative radiation in carcinoma of the rectum (human).
- P02CA-06519-12 0045 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program-Laparotomy and splenectomy in management of Hodgkin's disease (human).
- P02CA-06519-12 0046 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program-Accuracy of lymphangiography (human).
- P02CA-06519-12 0048 (CAP) PROSNITZ, L. Radiation therapy and biology research program-Chemotherapy and low dose radiotherapy in Hodgkin's disease (human).
- P02CA-06519-12 0050 (CAP) SUMMERS, W C. Radiation therapy and biology research program-Molecular mechanism in the control of viral gene expression.
- P02CA-06519-12 0051 (CAP) ROBINSON, T. Radiation therapy and biology research program-Treatment of carcinoma of bladder.
- P02CA-06519-12 0052 (CAP) PROSNITZ, L. Radiation therapy and biology research program-Followup on radiotherapy of Hodgkins disease.
- P02CA-06519-12 0053 (CAP) PROSNITZ, L. Radiation therapy and biology research program-Studies on the spread of Hodgkins disease.
- P02CA-06519-12 0054 (CAP) PROSNITZ, L. Radiation therapy and biology research program-Natural history of lymphesarcoma and role of radial and palliative therapy.
- P02CA-06519-12 0055 (CAP) MARSHALL, J. Radiation therapy and biology research program-Radiation therapy of carcinoma of prostate.
- P02CA-06519-12 0056 (CAP) COLLINS, J T. Radiation therapy and biology research program-Radiation therapy for carcinoma of cervix.
- P02CA-06519-12 0057 (CAP) COLLINS, J T. Radiation therapy and biology research program-Evaluation of radiotherapy in carcinoma of the endometrium (human).
- P02CA-06519-12 0062 (CAP) SCHULZ, R J. Radiation therapy and biology research program-Integration of radiotherapy treatment simulator and digital computer.
- P02CA-06519-12 0063 (CAP) SCHULZ, R J. Radiation therapy and biology research program-Oxygen tension and tumor radiosensitivity.
- P02CA-06519-12 0070 (CAP) LOW, K BROOKS. Radiation therapy and biology research program-Detection of recombination products following conjugation in *E coli*.
- P02CA-06519-12 0071 (CAP) LOW, K BROOKS. Radiation therapy and biology research program-Mutants of *E coli* with hyperactive recombination systems.
- P02CA-06519-12 0075 (CAP) RUPP, W DEAN. Radiation therapy and biology research program-Replication and transfer of plasmid DNA in *E coli*.
- P02CA-06519-12 0078 (CAP) SUMMERS, W C. Radiation therapy and biology research program-Transcriptional control of differentiation (*dictyostelium discoideum*).
- P02CA-06519-12 0079 (CAP) KNOWLTON, A H. Radiation therapy and biology research program-Treatment of advanced epidermoid carcinoma of head and neck region.
- P02CA-06519-12 0030 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program-Automated processing of clinical records.
- P02CA-06519-12 0031 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program-National renal cell carcinoma cooperative preoperative radiation protocol.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P02CA-06519-12 0002 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program—Mathematical models in radiation therapy.	P02CA-06551-11 0009 (CAP) BARUCH, S BLUMBERG. Cancer clinical research—DNA polymerases in human lymphocytes.
P02CA-06519-12 0003 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program—Determination of radiobiologic parameters of individual human tumors.	P02CA-06551-11 0013 (CAP) YARBRO, JOHN W. Cancer clinical research—Cancer detection (human).
P02CA-06519-12 0034 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—E coli cell membrane—Role in DNA replication.	P02CA-06551-11 0014 (CAP) YARBRO, JOHN W. Cancer clinical research—Drug metabolism (human, rats, mice).
P02CA-06519-12 0085 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—Single-stranded DNA bacteriophage and animal viruses.	P02CA-06551-11 0015 (CAP) YARBRO, JOHN W. Cancer clinical research—Chemotherapy (human).
P02CA-06519-12 0086 (CAP) COLE, RONALD S. Radiation therapy and biology research program—Repair of cross linked DNA in bacteria and mouse leukemia cells.	R01CA-06576-12 (PTMB) NOVAKOFF, ALEX B, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Biochemical cytology of normal and malignant tissues (human, rodents, rabbits).
P02CA-06519-12 0087 (CAP) SCHULZ, R J. Radiation therapy and biology research program—Determination of high energy x-ray spectra by photonuclear reactions.	R10CA-06594-12 (CCI) HORTON, JOHN, ALBANY MED COLL OF UNION UNIV, 47 NEW SCOTLAND AVENUE, ALBANY, N Y. Eastern cooperative oncology group.
P02CA-06519-12 0088 (CAP) SUMMERS, W C. Radiation therapy and biology research program—Viral proteins in SV-40 infected mammalian cells.	R01CA-06654-12 (VR) MURAKAMI, WILLIAM T, BRANDEIS UNIVERSITY, GRADUATE DEPT OF BIOCHEMISTRY, WALTHAM, MASS. Virus-induced neoplastic conversions.
P02CA-05519-12 0089 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program—Radiation therapy of malignant melanoma.	R01CA-06656-12 (VR) KIT, SAUL, BAYLOR COLLEGE OF MEDICINE, 1200 MOUR-SUND AVENUE, HOUSTON, TEX. Biochemical aspects of viral carcinogenesis.
P02CA-06519-12 0090 (CAP) FISHER, JAMES J. Radiation therapy and biology research program—Treatment of advanced epidermoid carcinoma of head and neck.	R01CA-06657-12 (PC) SILBER, ROBERT, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Enzyme studies in experimental leukemia (mice, human).
P02CA-06519-12 0091 (CAP) PROSNITZ, L. Radiation therapy and biology research program—Treatment of non-Hodgkin's lymphoma.	R01CA-06663-13 (MBY) LIEBERMAN, IRVING, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Mechanisms of control of mammalian cell multiplication (rats).
P02CA-06519-12 0092 (CAP) KNOWLTON, A H. Radiation therapy and biology research program—Radio- and chemotherapy for carcinoma of pancreas.	R01CA-06695-12 (ET) BARDOS, THOMAS J, STATE UNIVERSITY OF NEW YORK, SCHOOL OF PHARMACY, BUFFALO, N Y. Chemical and biological studies in cancer chemotherapy (rodents, microorganisms).
P02CA-06519-12 0093 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—Origin and mode of phi-X174 double-stranded DNA replication.	R01CA-06709-12 (VR) CALNEK, BURUCE W, NEW YORK STATE VETERINARY COLL, DEPT OF AVIAN DISEASES, ITHACA, N Y. Avian leukosis complex (poultry).
P02CA-05519-12 0094 (CAP) MARTIN, D F. Radiation therapy and biology research program—In vitro synthesis of phi-X174 single-stranded DNA.	R01CA-06734-12 (PHY) JACQUEZ, JOHN A, UNIV OF MICHIGAN, DEPT OF PHYSIOLOGY, ANN ARBOR, MICH. Mechanisms of solute transport in animal cells (rats).
P02CA-05519-12 0095 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—Effect of S1 nuclease on phi-X174 RF and other double-stranded DNA.	R10CA-06800-12 (CCI) HUBSER, JAMES N, CANCER RESEARCH CENTER, BUSINESS LOOP 70 & GARTH AVE, COLUMBIA, MO. Western cooperative cancer chemotherapy group.
P02CA-06519-12 0096 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—Relationship between phi-X174 and S13.	R10CA-06807-12 (CCI) FAGUET, GUY B, DEPARTMENT OF MEDICINE, DEPARTMENT OF MEDICINE, AUGUSTA, GA. Southeastern cancer chemotherapy cooperative study group.
P02CA-06519-12 0097 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—Method of preparing large quantities of phi-X174 RF I.	R01CA-06833-11 (PTMB) KIDD, JOHN G, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N Y. Factors influencing lymphoma cells (mice).
P02CA-06519-12 0098 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—DNA replication of phage G4.	R01CA-06838-11 (MCHA) BUTLER, GEORGE B, UNIVERSITY OF FLORIDA, DEPARTMENT OF CHEMISTRY, GAINESVILLE, FLA. Syntheses related to polymers of anti-cancer activity.
P02CA-06519-12 0099 (CAP) GODSON, G NIGEL. Radiation therapy and biology research program—Relationship of four new phi-X-like phages with X174 and S13.	R01CA-06913-10 (BIO) IVES, DAVID H, OHIO STATE UNIVERSITY, 484 WEST 12TH AVENUE, COLUMBUS, OHIO. Anabolic control in normal and neoplastic tissues (cattle, bacteria).
P02CA-05519-12 0100 (CAP) SUMMERS, W C. Radiation therapy and biology research program—Control of gene expression in T7-phage-infection cells.	R01CA-06926-12 (MBC) KATZ, EDWARD, GEORGTOWN UNIVERSITY, 3900 RESERVOIR ROAD, WASHINGTON, D C. Biosynthesis of actinomycin, an antitumor agent.
P02CA-06519-12 0101 (CAP) SUMMERS, W C. Radiation therapy and biology research program—Enzymology of phage T7 RNA synthesis.	P01CA-06927-12 (CAP) TALBOT, TIMOTHY R, JR, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Biological and biochemical program in cancer research.
P02CA-06519-12 0102 (CAP) SUMMERS, W C. Radiation therapy and biology research program—Mapping of a promoter site for T7 RNA polymerase.	P01CA-06927-12 0001 (CAP) ANDERSON, THOMAS F. Biological and biochemical program in cancer research—Structure of bacterial envelopes.
P02CA-06519-12 0103 (CAP) SUMMERS, W C. Radiation therapy and biology research program—Viral gene products in herpesvirus-infected cells.	P01CA-06927-12 0003 (CAP) BLUMBERG, BARUCH S. Biological and biochemical program in cancer research—Australian antigen, hepatitis virus and its relation to leukemia (rabbits).
P02CA-06519-12 0104 (CAP) SUMMERS, W C. Radiation therapy and biology research program—Regulation of developmental patterns in D. discoideum.	P01CA-06927-12 0008 (CAP) BOSMA, MELVIN J. Biological and biochemical program in cancer research—Generation of variant immunoglobulin molecules (mice).
P02CA-05519-12 0105 (CAP) HOWARD-FLANDERS, P. Radiation therapy and biology research program—Cross-links between strands produced by psoralen and near ultraviolet light.	P01CA-06927-12 0004 (CAP) CASTOR, LAROY N. Biological and biochemical program in cancer research—Mitotic control in tissue culture (human, mice).
P02CA-05519-12 0106 (CAP) LIN, P F. Radiation therapy and biology research program—Genetic exchanges induced in phage lambda by cross-linking agents.	P01CA-06927-12 0005 (CAP) COHEN, LEONARD H. Biological and biochemical program in cancer research—Fumarase regulatory properties and giant nuclei proteins of Drosophila.
P02CA-06519-12 0107 (CAP) SUMMERS, W C. Radiation therapy and biology research program—Isolation and characterization of an RNA polymerase binding site.	P01CA-06927-12 0006 (CAP) CREBCH, HUGH J. Biological and biochemical program in cancer research—Synthesis of cancer chemotherapeutic agents (rabbits, mice, rats).
P02CA-06519-12 0108 (CAP) SEBBERG, E. Radiation therapy and biology research program—Role of UVRC gene product in excision repair of UV-irradiated E coli.	P01CA-06927-12 0007 (CAP) DETERRA, NOEL. Biological and biochemical program in cancer research—Timing the cell cycle in Stantor.
P02CA-06519-12 0109 (CAP) TROOVCEVIC, Z. Radiation therapy and biology research program—Phage-induced x-ray resistance in E coli.	P01CA-06927-12 0008 (CAP) DILLER, IRENE COREY. Biological and biochemical program in cancer research—Relationship of acid-fast organisms to growth of experimental tumors (human, mice).
P02CA-06519-12 0110 (CAP) FISCHER, JAMES J. Radiation therapy and biology research program—Radiation response of cultured human glioblastoma cells.	P01CA-06927-12 0009 (CAP) FREED, JEROME J. Biological and biochemical program in cancer research—Nature of genetic change and gene expression in somatic cells (frogs).
P02CA-05519-12 0111 (CAP) PROSNITZ, L. Radiation therapy and biology research program—Determination of radiation response of cultured human breast cancer.	P01CA-06927-12 0010 (CAP) GLUSKER, JENNY PICKWORTH. Biological and biochemical program in cancer research—Study of molecular biology.
P02CA-06519-12 0112 (CAP) SCHULZ, R J. Radiation therapy and biology research program—Determination of high-energy X-ray spectra by photonuclear reactions.	P01CA-06927-12 0011 (CAP) HAGEN, GEORGE L. Biological and biochemical program in cancer research—Genetic information for tumor forming capacity (plants).
R01CA-06522-13 (BIO) HUENNEKENS, FRANK M, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA CALIF. Folate coenzymes—Mechanism of action and transport.	P01CA-06927-12 0012 (CAP) HAMPTON, ALEXANDER. Biological and biochemical program in cancer research—Biochemical factors in drug resistance.
P02CA-06551-11 (CAP) TALBOT, TIMOTHY R, JR, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVE - FOX CHASE, PHILADELPHIA, PA. Cancer clinical research.	P01CA-06927-12 0013 (CAP) HUNGERFORD, DAVID A. Biological and biochemical program in cancer research—Structure of mammalian chromosomes (human).
P02CA-06551-11 0001 (CAP) BARUCH, S BLUMBERG. Cancer clinical research—Immunologic basis for susceptibility to cancer in man.	P01CA-06927-12 0014 (CAP) KAJI, HIDEKO. Biological and biochemical program in cancer research—Basic mechanisms of protein synthesis (rats, bacteria).
P02CA-06551-11 0003 (CAP) BARUCH, S BLUMBERG. Cancer clinical research—Relation of inherited antigens to cancer susceptibility in man.	P01CA-06927-12 0015 (CAP) LAVINE, THEODORE F. Biological and biochemical program in cancer research—Basic chemistry of sulfur-containing cellular components.
P02CA-06551-11 0004 (CAP) BARUCH, S BLUMBERG. Cancer clinical research—Human and animal antisera to detect leukemia-related antigens (human, rabbits).	
P02CA-06551-11 0005 (CAP) BARUCH, S BLUMBERG. Cancer clinical research—Australia antigen in leukemia and other disorders (primates).	
P02CA-06551-11 0007 (CAP) BARUCH, S BLUMBERG. Cancer clinical research—Factors affecting survival in breast cancer patients.	
P02CA-06551-11 0008 (CAP) BARUCH, S BLUMBERG. Cancer clinical research—Factors in the development of malignant hepatoma (human).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01CA-06927-12 0016 (CAP) LOEB, LAWRENCE A. Biological and biochemical program in cancer research—Initiation of DNA synthesis (human, sea urchins).	P02CA-06973-12 0031 (CAP) OWENS, ALBERTS H JR. Integrated clinical cancer research program—Epidemiology and statistics.
P01CA-06927-12 0017 (CAP) MARCUS, ABRAHAM. Biological and biochemical program in cancer research—Growth and differentiation of plant systems.	R01CA-06999-11 (VR) BEAUDREAU, GEORGE S, OREGON STATE UNIVERSITY, DEPT OF AGRICULTURAL CHEM. CORYALLS, OREGON. Metabolic changes induced by tumor virus (human).
P01CA-06927-12 0018 (CAP) MELOCHE, H PAUL. Biological and biochemical program in cancer research—Catalytic chemistry of a non-metal aldehyde.	R01CA-07000-10 (HBM) BRODY, JEROME J, UNIV OF PENNSYLVANIA, GRAD HOS U OF PENN, PHILADELPHIA, PA. Acquired hemolytic anemia of lymphocytic leukemia (human).
P01CA-06927-12 0019 (CAP) MILDVAN, ALBERT S. Biological and biochemical program in cancer research—Mechanism of action of metal activated enzymes.	R01CA-07055-12 (VR) GRANOFF, ALLAN, ST JUDE CHLDREN'S RES HOSP, 332 N LAUDERDALE, P O BOX 318, MEMPHIS, TENN. Lucha tumor associated viruses (frogs).
P01CA-05927-12 0020 (CAP) MINTZ, BEATRICE. Biological and biochemical program in cancer research—Differentiation and genetic control in the intact animal (mice).	R01CA-07057-11 (END) HARDING, BOYD W, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Steroid hydroxylases in normal and abnormal adrenal tissue (human, rats, mice).
P01CA-05927-12 0021 (CAP) NEMER, MARTIN. Biological and biochemical program in cancer research—Cytodifferentiation (sea urchins).	R01CA-07093-12 (END) POMERANTZ, SHYMOUR H, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD. Tyrosinases—Mechanism of action and regulation (human, rodents, pigs).
P01CA-05927-12 0022 (CAP) PATTERSON, ELIZABETH K. Biological and biochemical program in cancer research—Nature and properties of aminopeptidases and dipeptidases (rabbits, mice).	R01CA-07110-11 (MCHB) GASSMAN, PAUL G, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Highly strained nitrogen heterocyclics.
P01CA-05927-12 0023 (CAP) PERRY, ROBERT P. Biological and biochemical program in cancer research—Relationship of ribosomes to proteins biosynthesis.	R01CA-07123-10 (MET) WATERHOUSE, CHRISTINE, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Hepatic synthesis and release of triglyceride (human).
P01CA-06927-12 0024 (CAP) PREHN, RICHMOND T. Biological and biochemical program in cancer research—Tumor cell antigenicity and resistance to carcinogens (mice, monkeys).	R01CA-07139-11 (VR) CONSIGLI, RICHARD A, KANSAS STATE UNIVERSITY, MANHATTAN, KANS. Biochemical studies in polyoma transformed cells.
P01CA-05927-12 0025 (CAP) ROSE, IRWIN A. Biological and biochemical program in cancer research—Glycolysis in human red blood cells and rat ascites tumor cells.	R01CA-07160-10 (PTMB) DURAN-REYNALS, MARIA L, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Possible neoplastic effects of non-neoplastic viruses (mice).
P01CA-06927-12 0026 (CAP) ROSS, MORRIS H. Biological and biochemical program in cancer research—Influence of nutrition upon aging (rats).	P01CA-07175-11 (CAP) PITOT, HENRY C, UNIVERSITY OF WISCONSIN, MC ARDLE LABORATORY, MADISON, WIS. Cancer research at the McArdle laboratory.
P01CA-05927-12 0027 (CAP) RUDKIN, GEORGE T. Biological and biochemical program in cancer research—Chromosomal and gene replication (<i>Drosophila</i>).	P01CA-07175-11 0001 (CAP) BOUTWELL, ROSWELL K. Cancer research at the McArdle laboratory—Mechanism of mouse tumor skin formation.
P01CA-06927-12 0028 (CAP) SCHULTZ, JACK. Biological and biochemical program in cancer research—Relation of chromosome structure to gene function in <i>Drosophila</i> .	P01CA-07175-11 0003 (CAP) DOVE, WILLIAM F. Cancer research at the McArdle laboratory—Molecular biology of bacterial viruses (slime molds, bacteriophage).
P01CA-06927-12 0029 (CAP) SOROF, SAM. Biological and biochemical program in cancer research—Relationship of protein binding to carcinogenesis (rats).	P01CA-07175-11 0006 (CAP) HEIDELBERGER, CHARLES. Cancer research at the McArdle laboratory—Carcinogenesis of mouse tumor skin formation.
P01CA-06927-12 0030 (CAP) WOLFF, GEORGE L. Biological and biochemical program in cancer research—Factors involved in spontaneous tumors (mice).	P01CA-07175-11 0004 (CAP) HEIDELBERGER, CHARLES. Cancer research at the McArdle laboratory—Studies with pyrimidine analogs (rats, mice).
P01CA-06927-12 0031 (CAP) YUSHOK, WASLEY D. Biological and biochemical program in cancer research—Regulation of intermediary metabolism in neoplastic cells (mice).	P01CA-07175-11 0006 (CAP) KASPER, CHARLES B. Cancer research at the McArdle laboratory—Chemistry of nuclear membranes (rats, rabbits).
P02CA-06973-12 (CAP) OWENS, ALBERT H, JR, JOHNS HOPKINS HOSPITAL, 332 CARNEGIE BUILDING, BALTIMORE, MD. Integrated clinical cancer research program.	P01CA-07175-11 0007 (CAP) KASPER, CHARLES B. Cancer research at the McArdle laboratory—Protein structure-function relationships (human).
P02CA-06973-12 0001 (CAP) BURKE PHILIP J. Integrated clinical cancer research program—Therapy of acute leukemia of the adult (human, mice).	P01CA-07175-11 0008 (CAP) MILLER, JAMES A. Cancer research at the McArdle laboratory—Reactions involved in carcinogenesis by chemicals (rats).
P02CA-06973-12 0002 (CAP) LENHARD RAYMOND E. Integrated clinical cancer research program—Therapy of lymphosarcoma-reticulum cell sarcoma.	P01CA-07175-11 0009 (CAP) MUELLER, GERALD C. Cancer research at the McArdle laboratory—Growth control mechanisms in mammalian cells (human, voles).
P02CA-06973-12 0012 (CAP) SENSENBRENNER, LYLE L. Integrated clinical cancer research program—Cell biology—Kinetics of transplanted cells (mice).	P01CA-07175-11 0010 (CAP) MUELLER, GERALD C. Cancer research at the McArdle laboratory—Mechanism of action of estrogens (rats).
P02CA-06973-12 0013 (CAP) SANTOS, GEORGE W. Integrated clinical cancer research program—Tumor immunology (human, animals).	P01CA-07175-11 0011 (CAP) MUELLER, GERALD C. Cancer research at the McArdle laboratory—Growth induction in leukocytes by phytohemagglutinin (human).
P02CA-06973-12 0014 (CAP) HUMPHREY, R L. Integrated clinical cancer research program—Multiple myeloma (human).	P01CA-07175-11 0012 (CAP) PITOT, HENRY C. Cancer research at the McArdle laboratory—Gene expression in liver and hepatoma (rats).
P02CA-05973-12 0015 (CAP) ABLEOFF, BAKER. Integrated clinical cancer research program—Selected solid tumors (human).	P01CA-07175-11 0013 (CAP) POTTER, VAN R. Cancer research at the McArdle laboratory—Theory of carcinogenesis (rats).
P02CA-06973-12 0016 (CAP) LENHARD, RAYMOND E JR. Integrated clinical cancer research program—Plasma cell dyscrasia (human).	P01CA-07175-11 0014 (CAP) RUSCH, HAROLD P. Cancer research at the McArdle laboratory—Growth and differentiation (slime molds).
P02CA-06973-12 0017 (CAP) LENHARD, RAYMOND E JR. Integrated clinical cancer research program—Malignant melanoma (human).	P01CA-07175-11 0015 (CAP) SZYBALKO, WACLAW. Cancer research at the McArdle laboratory—Initiation and patterns of transcription during virus development.
P02CA-06973-12 0018 (CAP) KAIZER, HERBERT. Integrated clinical cancer research program—Pediatric tumors (human).	P01CA-07175-11 0016 (CAP) TEAM, HOWARD M. Cancer research at the McArdle laboratory—Carcinogenesis by RNA viruses (rats, mice, chickens).
P02CA-05973-12 0019 (CAP) KAIZER, HERBERT. Integrated clinical cancer research program—Biochemical virology—Viral detection studies (human, mice).	P01CA-07175-11 0017 (CAP) PERDUE, JAMES F. Cancer research at the McArdle laboratory—Mechanisms of cell interactions (chick embryo).
P02CA-06973-12 0020 (CAP) ZIEVE, PHILIP D. Integrated clinical cancer research program—Cell biology—Platelet and granulocyte studies (human).	P01CA-07175-11 0018 (CAP) PERDUE, JAMES F. Cancer research at the McArdle laboratory—Cell motility and adhesion (chick embryo).
P02CA-05973-12 0021 (CAP) KAIZER, HERBERT. Integrated clinical cancer research program—Cell biology—Cell surface studies with plant agglutinins (human, mice).	P01CA-07175-11 0019 (CAP) NOWINSKI, R. C.. Cancer research at the McArdle laboratory—Immunology of oncogenic RNA viruses.
P02CA-06973-12 0022 (CAP) BORDEN, ERNEST C. Integrated clinical cancer research program—Neoplasia—Clonal proliferation or recruitment (human, mice).	P01CA-07175-11 0020 (CAP) BURGESS, R.R.. Cancer research at the McArdle laboratory—RNA polymerase and gene expression.
P02CA-06973-12 0023 (CAP) HUMPHREY, RICHARD L. Integrated clinical cancer research program—Immunocytochemistry—Plasma cell dyscrasia (human).	P02CA-07177-11 (CAP) BRENNAN, MICHAEL J, MICHIGAN CANCER FOUNDATION, 4811 JOHN R STREET, DETROIT, MICH. Clinical cancer research center.
P02CA-05973-12 0024 (CAP) LENHARD, RAYMOND E JR. Integrated clinical cancer research program—Malignant lymphomas (human).	P02CA-07177-11 0005 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center—Analysis for estrogen binding protein in breast tumors (human).
P02CA-06973-12 0025 (CAP) SANTOS, GEORGE W. Integrated clinical cancer research program—Transplantation biology (human).	P02CA-07177-11 0006 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center—Steroid and estrogen sulfotransferase activities in breast tumors (human).
P02CA-06973-12 0026 (CAP) OWENS, ALBERT H JR. Integrated clinical cancer research program—Radiation therapy (human).	P02CA-07177-11 0007 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center—Hormonal requirements for breast tumor growth in organ culture (human).
P02CA-06973-12 0027 (CAP) SENSENBRENNER, LYLE L. Integrated clinical cancer research program—Cell biology—normal and neoplastic cells (mice).	P02CA-07177-11 0008 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center—Steroid metabolism in normal and malignant target tissues (swine, human).
P02CA-06973-12 0028 (CAP) PITHA, P M. Integrated clinical cancer research program—Interferon induction and viral inhibitors (mice).	P02CA-07177-11 0009 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center—Radioimmunoassay of plasma prolactin in breast cancer patients.
P02CA-06973-12 0029 (CAP) COFFEY, D S. Integrated clinical cancer research program—Cell metabolism—Prostatic growth and effects of acidic polymers (rats, mice).	P02CA-07177-11 0010 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center—Metabolism of estrone sulfate in treatment of recurrent breast cancer (human).
P02CA-06973-12 0030 (CAP) COLVIN, M. Integrated clinical cancer research program—Pharmacology (rats).	P02CA-07177-11 0011 (CAP) RICH, MARVIN. Clinical cancer research center—Beta particle budding in human breast tissue.
	P02CA-07177-11 0012 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center—Clinical therapeutic study—Improved combination chemotherapy.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-07177-11 0013 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center-Immunoassay for carcinoembryonic antigen (human).

P02CA-07177-11 0014 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center-immunosuppressive effects of systemic chemotherapy (human).

P02CA-07177-11 0015 (CAP) BRENNAN, MICHAEL J. Clinical cancer research center-The role of tumor specific antigens in malignancy of breast cancer (human).

P02CA-07177-11 0016 (CAP) BERK, RICHARD. Clinical cancer research center-Clinical support-Infectious disease program (mice).

R01CA-07182-11 (MCHB) GOLDWHITE, HAROLD, CALIFORNIA STATE, 5151 STATE UNIVERSITY DRIVE, LOS ANGELES, CALIF. Heterocyclic compounds containing phosphorus.

R10CA-07190-12 (CCI) STOLBACH, LEO L, PONDVILLE HOSPITAL, P O BOX 11, WALPOLE, MASS. Eastern cooperative oncology group.

R01CA-07191-11 (UMB) ROSENAU, WERNER, UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY - 595 HSW, SAN FRANCISCO, CALIF. Lymphotaxin in cell-mediated tumor immunity (human, mice).

R01CA-07239-11 (VR) HARE, JOHN D, UNIV OF ROCHESTER MED CENTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Cell proliferation and virus infection (mice, hamsters).

P01CA-07304-11 (CAP) GALLAGHER, THOMAS F, MONTEFIORE HOSPITAL & MED CTR, 111 EAST 210 STREET, BRONX, N Y. Steroid hormone production and metabolism in cancer.

P01CA-07304-11 0016 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Effect of calusterone on estradiol metabolism (human).

P01CA-07304-11 0017 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Estrogen biosynthesis in feminizing adrenal carcinoma.

P01CA-07304-11 0018 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Concentration of esterol in plasma and urine (human).

P01CA-07304-11 0019 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Measurement of estradiol receptors in breast tumors.

P01CA-07304-11 0020 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Biotransformations of estrone sulfate (human).

P01CA-07304-11 0021 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Biosynthesis of catechol estrogens (human).

P01CA-07304-11 0022 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Mechanism of aromatization.

P01CA-07304-11 0023 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Synthesis of dehydroisoandrosterone.

P01CA-07304-11 0024 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Secretory program of the human adrenal.

P01CA-07304-11 0025 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Psychotic depression.

P01CA-07304-11 0026 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Cortisol metabolism (human).

P01CA-07304-11 0027 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Cortisol production rates (human).

P01CA-07304-11 0028 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Mania.

P01CA-07304-11 0029 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-C-21 oxidation of cortisol (human).

P01CA-07304-11 0030 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Acidic metabolites of cortisol.

P01CA-07304-11 0031 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Thyroid status and androgen metabolites (human).

P01CA-07304-11 0032 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Dehydroisoandrosterone measurement in plasma (human).

P01CA-07304-11 0033 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Androsterone sulfate in plasma-thyroid state (human).

P01CA-07304-11 0034 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Testosterone N-acetylglucosaminide metabolism (human).

P01CA-07304-11 0035 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Plasma and urine testosterone in depression.

P01CA-07304-11 0036 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Decreased conversion of androgens with DDD (human).

P01CA-07304-11 0037 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Oxidation of testosterone at C-17 (human).

P01CA-07304-11 0038 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Protein hormones-ACTH (human).

P01CA-07304-11 0039 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-LH and FSH-secretion in sleep during puberty (human).

P01CA-07304-11 0040 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Effect of sleep-wake cycle reversal on LH secretion (children).

P01CA-07304-11 0041 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Endocrine function in gonadotropin deficiency (human).

P01CA-07304-11 0042 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-LH release at mid-menstrual cycle.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-07304-11 0045 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Pattern of LH secretion in sleep in normal men.

P01CA-07304-11 0044 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Growth hormone-Age related change in secretion.

P01CA-07304-11 0045 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Growth hormone secretion in congenital adrenal hyperplasia (human).

P01CA-07304-11 0046 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Sulfation factor in hypothalamic tumors (human).

P01CA-07304-11 0047 (CAP) GALLAGHER, THOMAS F. Steroid hormone production and metabolism in cancer-Thyroid hormones (human, rabbits).

R10CA-07306-11 (CCI) NESBIT, MARK E, JR, UNIV OF MINNESOTA HOSPITAL, DEPARTMENT OF PEDIATRICS, MINNEAPOLIS, MINN. Childrens cancer study group A.

R01CA-07339-10 (PHRB) TSOU, KWAN C, HOSP OF UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Cytochemical substrates and anti-cancer agents (human, rats).

R01CA-07340-11 (PHRA) PARKS, ROBERT E, JR, BROWN UNIVERSITY, DIV OF BIOLOGICAL & MED SCIS, PROVIDENCE, R I. Coenzymes containing purine and pyrimidine analogs.

R01CA-07340-11 0001 (PHRA) PARKS, ROBERT E JR. Coenzymes containing purine and pyrimidine analogs-Polyphosphate nucleotide synthesis and degradation (human).

R01CA-07340-11 0002 (PHRA) PARKS, ROBERT E JR. Coenzymes containing purine and pyrimidine analogs-Cytolytic action of purine and purine ribonucleosides.

R01CA-07340-11 0003 (PHRA) PARKS, ROBERT E JR. Coenzymes containing purine and pyrimidine analogs-Human enzymes and purine metabolism.

P02CA-07357-10 (CAP) FERNBACH, DONALD J, TEXAS CHILDREN'S HOSPITAL, 6621 FANNIN STREET, HOUSTON, TEX. Special children's cancer center program.

P02CA-07357-10 0001 (CAP) FERNBACH, DONALD J. Special children's cancer center program-Role of viruses in etiology of acute leukemia (human, primates nonhuman).

P02CA-07357-10 0008 (CAP) FERNBACH, DONALD J. Special children's cancer center program-Epidemiology of acute leukemia.

P02CA-07357-10 0010 (CAP) STARLING, KENNETH A. Special children's cancer center program-Red blood cell changes in acute leukemia.

P02CA-07357-10 0013 (CAP) FALLETTA, JOHN M. Special children's cancer center program-X-linked recessive malignant reticuloendotheliosis (human).

P02CA-07357-10 0014 (CAP) FERNBACH, DONALD J. Special children's cancer center program-Periodic reinforcement therapy in children with acute leukemia.

P02CA-07357-10 0015 (CAP) GALLETTE, PAUL C. Special children's cancer center program-Transient diabetes mellitus secondary to L-asparaginase in acute leukemia.

P02CA-07357-10 0016 (CAP) FERNBACH, DONALD J. Special children's cancer center program-Independent chemotherapy studies (human).

P02CA-07357-10 0017 (CAP) FERNBACH, DONALD J. Special children's cancer center program-Immune responsiveness in patients with cancer.

P02CA-07357-10 0018 (CAP) WILSON, RAPHAEL. Special children's cancer center program-Microflora in leukemic and immunodeficient patients and laboratory animals.

P02CA-07357-10 0019 (CAP) FERNBACH, DONALD J. Special children's cancer center program-Bone marrow transplantation in identical twins.

P02CA-07357-10 0020 (CAP) STARLING, KENNETH A. Special children's cancer center program-Natural history of acute leukemia.

P02CA-07357-10 0021 (CAP) FERNBACH, DONALD J. Special children's cancer center program-Study of tumor specific antigens (human).

P01CA-07368-11 (CAP) SWEET, WILLIAM M, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Interrelationships of normal and cancer cells.

P01CA-07368-11 0001 (CAP) BROWNELL GORDON M. Interrelationships of normal and cancer cells-Differential brain tumor diagnosis (human, rats).

P01CA-07368-11 0003 (CAP) MARK, VERNON H. Interrelationships of normal and cancer cells-Chemo-immunotherapy (mice, rabbits).

P01CA-07368-11 0004 (CAP) MARK VERNON H. Interrelationships of normal and cancer cells-Electrophysiologic studies with electrodes (human, monkeys).

P01CA-07368-11 0003 (CAP) PRICE, J MICHAEL. Interrelationships of normal and cancer cells-Cell membrane and junction studies (human).

P01CA-07368-11 0006 (CAP) KORNBLITH PAUL H. Interrelationships of normal and cancer cells-Model systems (human, rats, mice).

P01CA-07368-11 0008 (CAP) DOHAN, F CURTIS JR. Interrelationships of normal and cancer cells-Identification of tumor antigens in human astrocytoma.

P01CA-07368-11 0009 (CAP) MARK, VERNON H. Interrelationships of normal and cancer cells-Effect of exogenous catecholamines in amygdala (cats, monkeys).

P01CA-07368-11 0010 (CAP) POLLEN, DANIEL. Interrelationships of normal and cancer cells-Electropathology-basic electrophysiology and electroimmunology.

P01CA-07368-11 0011 (CAP) KJELLBERG, RAYMOND N. Interrelationships of normal and cancer cells-Pituitary tumor cell growth and hormone production (human, tissue culture).

P01CA-07368-11 0013 (CAP) SUIT, HERMAN D. Interrelationships of normal and cancer cells-Radiation biology of astrocytomas.

P01CA-07368-11 0014 (CAP) PURDY, ROBERT H. Interrelationships of normal and cancer cells-Steroid derivatives for glioma therapy.

P01CA-07368-11 0015 (CAP) KJELLBERG, RAYMOND N. Interrelationships of normal and cancer cells-Glioblastoma-cell sensitivity to Bragg peak protons.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01CA-07368-11 0016 (CAP) BROWNELL, GORDON L.** Interrelationships of normal and cancer cells-Differential brain tumor diagnosis (human, laboratory animals).
P01CA-07368-11 0017 (CAP) OJRMANN, ROBERT G. Interrelationships of normal and cancer cells-Radiosotopic brain scanning (human).
P01CA-07368-11 0018 (CAP) BROWNELL, GORDON L. Interrelationships of normal and cancer cells-Boron slow neutron therapy-preclinical (human, laboratory animals).
P01CA-07368-11 0019 (CAP) WILLIAMS, GLYN. Interrelationships of normal and cancer cells-Boron-slow neutron capture therapy-development of binding compounds.
P01CA-07368-11 0024 (CAP) WEPSIC, JAMES G. Interrelationships of normal and cancer cells-Convergence of somatic inputs on posterior thalamus (monkeys).
P01CA-07368-11 0026 (CAP) SCHMIDKE, HENRY M. Interrelationships of normal and cancer cells-Relief of cancer pain by neurostimulus.
R01CA-07394-10 (MCHA) NEWMAN, MELVIN S, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Synthesis and separation of carcinogenic compounds.
R10CA-07431-11 (CCI) SCHWARTZ, ALLEN D, CHILDRENS MEMORIAL HOSPITAL, 2300 CHILDRENS PLAZA, CHICAGO, ILL. Childrens cancer group A.
R10CA-07439-11 (CCI) ALBO, VINCENT C, CHILDRENS HOSP OF PITTSBURGH, 125 DESOTO STREET, PITTSBURGH, PA. Childrens cancer study group A.
R01CA-07489-11 (MBY) TOUSTER, OSCAR, VANDERBILT UNIVERSITY, DEPT OF MOLECULAR BIOLOGY, NASHVILLE, TENN. Biochemical studies on lysosomes and related enzymes (rats, protozoa).
R01CA-07522-10 (ET) MERTES, MATHIAS P, UNIVERSITY OF KANSAS, SCHOOL OF PHARMACY, LAWRENCE, KANS. Cofactor inhibition of thymidylate synthetase.
R01CA-07535-11 (BND) MACLEOD, ROBERT M, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, CHARLOTTESVILLE, VA. Influence of hormones on tissue metabolism (rats).
R01CA-07541-10 (MBB) SCHREK, ROBERT, VETERANS ADMINISTRATIONS HOSP, HINES, ILL. Antigenic reactions of normal and leukemic cells.
R10CA-07585-11 (CCI) SOLOMON, JOEL, CITY OF HOPE NATIONAL MED CTR, 1500 E DUARTE ROAD, DUARTE, CALIF. Western conference cancer chemotherapy group.
R01CA-07617-12 (PC) VESTLING, CARL S, UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Liver and hepatoma dehydrogenases (rats).
R01CA-07746-11 (PC) HNILICA, LUBOMIR S, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Proteins of the cell nucleus (rodents, sea urchins).
R10CA-07757-10 (CCI) JONES, BARBARA, WEST VIRGINIA UNIV MED CENTER, DEPARTMENT OF PEDIATRICS, MORGANTOWN, W VA. Acute leukemia group B (human).
R01CA-07773-11 (BBCA) PERONE, SAM P, PURDUE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAFAYETTE, IND. Application of electrochemistry to radiation biology.
R01CA-07803-11 (MCHA) SWERN, DANIEL, TEMPLE UNIVERSITY, 13TH AND NORRIS STREETS, PHILADELPHIA, PA. Biologically-active fatty acid derivatives.
R01CA-07826-09 (VR) TOOLAN, HELENE W, PUTNAM MEMORIAL HOSPITAL, DEWEY STREET, BENNINGTON, VT. Viruses and cancer role of latent viruses in resistance (hamsters).
R01CA-07868-09 (VR) FIELDSTEEL, A HOWARD, STANFORD RESEARCH INST, 333 RAVENWOOD AVENUE, MENLO PARK, CALIF. Defective Friend virus and its pseudotypes (mice).
R01CA-07883-10 (BIO) IBSEN, KENNETH M, UNIVERSITY OF CALIFORNIA, DEPT BIOLOGICAL CHEMISTRY, IRVINE, CALIF. Metabolic interrelationships (pyruvate kinase in mammals).
R10CA-07918-10 (CCI) SINKS, LUCIUS F, ROSWELL PARK MEM INST, 666 ELM STREET, BUFFALO, N Y. Chemotherapy of acute leukemia.
R10CA-07961-10 (CCI) BARRY, WILLIAM E, TEMPLE UNIV SCHOOL OF MED, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Southeastern cancer study group.
R10CA-07968-10 (CCI) NACHMAN, RALPH L, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Leukemia lymphoma and myeloma chemotherapy.
R01CA-07973-09 (MBB) MANSON, LIONEL A, WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Role of transplantation antigens in malignant cells (mice).
R01CA-08000-10 (BIO) LOFFFIELD, ROBERT B, UNIVERSITY OF NEW MEXICO, 915 STANFORD ME, ALBUQUERQUE, N MEX. Protein biosynthesis (rabbits, tunicates, HeLa cells).
R01CA-08010-10 (PHRA) BERTINO, JOSEPH R, YALE UNIVERSITY SCHOOL OF MED, DEPARTMENT OF PHARMACOLOGY, NEW HAVEN, CONN. Mechanism of action of folate antagonists (human, mice, dogs, guinea pigs).
R01CA-08014-10 (GEN) VINOGRAD, JEROME, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BOULEVARD, PASADENA, CALIF. Circular DNA from oncogenic viruses and mitochondria (mice, human).
P02CA-08023-10 (CAP) SPRATT, JOHN S JR, CANCER RESEARCH CENTER, BUSINESS LOOP 70 & GARTH, COLUMBIA, MO. Cancer clinical research center.
P02CA-08023-10 0001 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-New method of survival curve analysis.
P02CA-08023-10 0005 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Automation of statistics.
P02CA-08023-10 0008 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Staging methods for cancer therapy.
P02CA-08023-10 0009 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Cancer detection module.
P02CA-08023-10 0012 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Chemical methodology for breast tumor detection.
P02CA-08023-10 0014 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Chemistry of matrix derivitization of proteins.
P02CA-08023-10 0030 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-In-service training programs.
P02CA-08023-10 0035 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Library in a small hospital.
P02CA-08023-10 0046 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Hepatic infusion chemotherapy in liver carcinoma.
P02CA-08023-10 0049 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Intra-arterial chemotherapy of the head and neck.
P02CA-08023-10 0050 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Intra-arterial chemotherapy with bleomycin.
P02CA-08023-10 0051 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Intra-arterial fluorouracil for oral mucosa leucoplakia.
P02CA-08023-10 0065 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Maxillofacial prosthetics.
P02CA-08023-10 0067 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Microcalorimetric study of biochemical phenomena.
P02CA-08023-10 0068 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Methods of geocoding health data.
P02CA-08023-10 0069 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Missouri cooperative tumor registry.
P02CA-08023-10 0072 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Leucovorin as a systemic antagonist for methotrexate.
P02CA-08023-10 0076 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Adriamycin in treatment of nonlymphomatous sarcomas.
P02CA-08023-10 0082 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Research in new cancer chemotherapy agents.
P02CA-08023-10 0083 (CAP) SPRATT, JOHN S JR. Cancer clinical research center-Develop inservice and continuing education program.
R10CA-08025-10 (CCI) LEONE, LOUIS A, RHODE ISLAND HOSPITAL, 593 EDDY STREET, PROVIDENCE, R I. Acute leukemia group B.
R01CA-08128-09 (PC) ZAMENHOF, STEPHEN, UNIVERSITY OF CALIFORNIA, DEPT OF MED MICROBIO & IMMUNOL, LOS ANGELES, CALIF. Effects of alkylation on DNA (bacteria).
R01CA-08144-10 (RAD) JACKSON, KENNETH L, UNIVERSITY OF WASHINGTON, DEPT OF RADIOLOGY, SEATTLE, WASH. Effect of ionizing radiation on isolated cell nuclei (rats).
R10CA-08223-08 (CCI) KOMP, DIANE M, UNIV OF VIRGINIA SCH OF MED, CHARLOTTESVILLE, VA. Southwest cancer chemotherapy study group.
R01CA-08231-10 (RAD) CONGER, ALAN D, TEMPLE UNIV SCHOOL OF MEDICINE, 3420 N BROAD STREET, PHILADELPHIA, PA. Radiobiology research program.
R01CA-08231-10 0001 (RAD) CONGER, ALAN D. Radiobiology research program-Radiation effect on taste (mice, human).
R01CA-08231-10 0002 (RAD) CONGER, ALAN D. Radiobiology research program-Low-dose capillary damage revealed by microangiography (mice).
R01CA-08231-10 0003 (RAD) CONGER, ALAN D. Radiobiology research program-Tumor bed damage and metastasis (mice).
R01CA-08231-10 0004 (RAD) CONGER, ALAN D. Radiobiology research program-Radiosensitivity and chromosomal volume (mammals, amphibians, plants).
R01CA-08231-10 0005 (RAD) CONGER, ALAN D. Radiobiology research program-Model for origin of somatic mutations in *Tradescantia*.
R01CA-08231-10 0006 (RAD) CONGER, ALAN D. Radiobiology research program-Ozone as a mutagen in vivo and in vitro (hamsters).
R01CA-08232-10 (MBC) HELMSTETTER, CHARLES E, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Biochemistry and radiation effect during the cell cycle (bacteria).
R01CA-08250-10 (MCHB) DITTMER, DONALD C, SYRACUSE UNIVERSITY, BOWNE HALL, SYRACUSE, N Y. Heterocyclic organosulfur chemistry.
R01CA-08269-13 (MET) FOSTER, DANIEL W, UNIV OF TEXAS SW MED SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Regulation of ketogenesis and lipogenesis (rats).
R01CA-08290-09 (PHRB) REICH, EDWARD, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Chemotherapeutic deoxynucleosides and other agents.
R01CA-08306-09 (PTMB) ARNOLD, EUGENE A, JR, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Protein biosynthesis in neoplasia (rats).
R01CA-08315-10 (PTMB) MELNYKOVYCH, GEORGE, VETERANS ADMINISTRATION HOSP, 4801 LINWOOD BOULEVARD, KANSAS CITY, MO. Steroid induced changes in cultured malignant cells.
R01CA-08318-07 (RAD) YATVIN, MILTON B, UNIVERSITY OF WISCONSIN, MEDICAL SCHOOL, MADISON, WIS. Radiation effect on protein and nucleic acid metabolism (rats).
P02CA-08341-09 (CAP) BERTINO, JOSEPH R, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Clinical pharmacology and cancer chemotherapy.
P02CA-08341-09 0004 (CAP) SKEEL, ROLAND T. Clinical pharmacology and cancer chemotherapy-Methotrexate resistance (human, mice).
P02CA-08341-09 0005 (CAP) CAPIZZI, R L. Clinical pharmacology and cancer chemotherapy-Methotrexate-asparaginase.
P02CA-08341-09 0011 (CAP) MITCHELL, MALCOLM S. Clinical pharmacology and cancer chemotherapy-Tumor immunology (human, mice).
P02CA-08341-09 0017 (CAP) VANWOERT, MELVIN H. Clinical pharmacology and cancer chemotherapy-L-Dopa in Parkinson's disease.
P02CA-08341-09 0020 (CAP) BERTINO, JOSEPH R. Clinical pharmacology and cancer chemotherapy-Phase I studies with carboxypeptidase G-I.
P02CA-08341-09 0024 (CAP) MARSH, J C. Clinical pharmacology and cancer chemotherapy-Granulocyte kinetics (human, dogs).
P02CA-08341-09 0031 (CAP) EISENFELD, A J. Clinical pharmacology and cancer chemotherapy-Molecular interaction of estrogens, androgens and progestins (mammals).
P02CA-08341-09 0032 (CAP) SKEEL, ROLAND T. Clinical pharmacology and cancer chemotherapy-Baker's soluble anti-fol (Triazinate, TZT) (human).
P02CA-08341-09 0033 (CAP) DECONTI, R C. Clinical pharmacology and cancer chemotherapy-D-Tetrandrine.
P02CA-08341-09 0034 (CAP) DECONTI, R C. Clinical pharmacology and cancer chemotherapy-CCNU.
P02CA-08341-09 0035 (CAP) MARSH, J T. Clinical pharmacology and cancer chemotherapy-Adriamycin.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P02CA-08341-09 0036 (CAP) DECONTI, R. C. Clinical pharmacology and cancer chemotherapy-3CAM in solid tumors.
- P02CA-08341-09 0037 (CAP) SKEEL, ROLAND T. Clinical pharmacology and cancer chemotherapy-CAM in acute leukemia.
- P02CA-03341-09 0088 (CAP) DECONTI, R. C. Clinical pharmacology and cancer chemotherapy-Head and neck neoplasms chemotherapy.
- P02CA-05341-09 0039 (CAP) DECONTI, R. C. Clinical pharmacology and cancer chemotherapy-Hodgkin's disease-chemotherapy and radiotherapy.
- P02CA-08341-09 0048 (CAP) CREASEY, WILLIAM A. Clinical pharmacology and cancer chemotherapy-Clinical pharmacology of adriamycin.
- P02CA-05341-09 0041 (CAP) CREASEY, WILLIAM A. Clinical pharmacology and cancer chemotherapy-Vinblastine-metabolism studies (dogs).
- P02CA-05341-09 0042 (CAP) SKEEL, ROLAND T. Clinical pharmacology and cancer chemotherapy-IBM cell separator program.
- P02CA-08341-09 0043 (CAP) ROZMAN, BERNARD. Clinical pharmacology and cancer chemotherapy-Thiopurine resistance.
- P02CA-08341-09 0044 (CAP) CAPIZZI, R. L. Clinical pharmacology and cancer chemotherapy-Assay for the detection of chemical mutagens.
- P02CA-05341-09 0045 (CAP) SKEEL, ROLAND T. Clinical pharmacology and cancer chemotherapy-Experimental tumor chemotherapy (mice).
- P02CA-08341-09 0046 (CAP) BERTINO, JOSEPH R. Clinical pharmacology and cancer chemotherapy-Studies of folate antagonists (human, rats, mice, dogs).
- P02CA-08341-09 0047 (CAP) BERTINO, JOSEPH R. Clinical pharmacology and cancer chemotherapy-Multiple endocrine neoplasia-family study.
- P02CA-08341-09 0048 (CAP) BERTINO, JOSEPH R. Clinical pharmacology and cancer chemotherapy-Classification of ectopic hormone producing tumors.
- 801CA-08348-10 (BT) REED, DONALD J. OREGON STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYSICS, CORVALLIS, OREG. Biochemistry of procarbazine and related hydrazines (rats).
- 801CA-08349-09 (RAD) COUNSELL, RAYMOND E. UNIVERSITY OF MICHIGAN, COLLEGE OF PHARMACY, ANN ARBOR, MICH. Potential tumor or organ imaging agents.
- 801CA-08370-09 (HEM) LAWRENCE, JOHN H. UNIVERSITY OF CALIFORNIA, DONNER LABORATORY, BERKELEY, CALIF. The importance of bone in hematopoietic marrow function (human, mice).
- 801CA-08373-09 (DEN) BASERGA, RENATO L. TEMPLE UNIVERSITY SCH OF MED, FELS RESEARCH INSTITUTE, PHILADELPHIA, PA. Factors controlling cellular proliferation (mice).
- 801CA-08390-09 (BIO) WOOLFOLK, CLIFFORD A. UNIVERSITY OF CALIFORNIA, DEPT MOLEC BIOLOGY & BIOCHEM, IRVINE, CALIF. Regulation of glutamine synthetase (bacteria).
- 801CA-08393-09 (BIO) ABRAMS, RICHARD, UNIV OF PITTSBURGH, DEPARTMENT OF BIOCHEMISTRY, PITTSBURGH, PA. Control factors for DNA synthesis (bacteria, human, mammals sub-human).
- 801CA-08416-09 (VR) PENAMAN, SHILDON, MASS INSTITUTE OF TECHNOLOGY, 77 MASS AVE, RM 16-839, CAMBRIDGE, MASS. Control of transcription and translation in mammalian cells.
- 801CA-05418-09 (PC) JEANLOZ, ROGER W. LAB FOR CARBOHYDRATE RESEARCH, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Glycoproteins from cancer cells (mice, guinea pigs).
- P02CA-08480-09 (CAP) PINKEL, DONALD P. ST JUDE CHILDRENS RES HOSP, 332 N LAUDERDALE, P O BOX 318, MEMPHIS, TENN. Childhood cancer research center.
- P02CA-08480-09 0001 (CAP) PINKEL, DONALD P. Childhood cancer research center-Ribosome particles, their formation and function (E coli).
- P02CA-08480-09 0002 (CAP) PINKEL, DONALD P. Childhood cancer research center-Molecular mechanisms of growth hormone (rats).
- P02CA-08480-09 0003 (CAP) MORRISON MARTIN. Childhood cancer research center-Structure and function of lactoperoxidase (rats, mice).
- P02CA-08480-09 0004 (CAP) CHEUNG, WAI YIU. Childhood cancer research center-Cyclic AMP in normal and cancer tissues (rats).
- P02CA-08480-09 0005 (CAP) MORRISON, MARTIN. Childhood cancer research center-Cell membranes of neoplastic cell (human).
- P02CA-08480-09 0006 (CAP) KINGSBURY, DAVID. Childhood cancer research center-Multiplication and genetics of myxoviruses (chickens).
- P02CA-08480-09 0007 (CAP) GBANOFF ALLAN. Childhood cancer research center-Viral etiology of the Lucke tumor (frogs).
- P02CA-08480-09 0008 (CAP) BORELLA, LUIS. Childhood cancer research center-Immunocompetent cells in acute lymphocytic leukemia (children).
- P02CA-08480-09 0009 (CAP) DARLINGTON, ROBERT W. Childhood cancer research center-Studies of herpes virus (frogs, rabbits).
- P02CA-08480-09 0010 (CAP) WEBSTER, ROBERT. Childhood cancer research center-Myxovirus-antibody interactions (rats, rabbits).
- P02CA-08480-09 0011 (CAP) SMITH, KIRBY. Childhood cancer research center-Transspecies replication of Moloney murine sarcoma virus (hamsters).
- P02CA-08480-09 0012 (CAP) SIMONE, JOSEPH V. Childhood cancer research center-Control of platelet production (rats).
- P02CA-08480-09 0013 (CAP) ROBERTS, DEWAYNE. Childhood cancer research center-Response of leukemic cells to oncolytic drugs (human).
- P02CA-05480-09 0014 (CAP) PINKEL, DONALD P. Childhood cancer research center-Ultrastructural studies on microtubules (human, hamsters).
- P02CA-08480-09 0015 (CAP) HUGHES, WALTER. Childhood cancer research center-Ecology of microbial flora in leukemia patients.
- P02CA-05480-09 0016 (CAP) AINGER, LORIN E. Childhood cancer research center-Cardiopulmonary dynamics in leukemia and severe infection (children).
- P02CA-08480-09 0017 (CAP) AUR, R J A. Childhood cancer research center-Total therapy of acute lymphocytic leukemia (human).
- P02CA-08480-09 0018 (CAP) PRATT, CHARLES. Childhood cancer research center-Treatment of malignant solid tumors in children.
- P02CA-08480-09 0019 (CAP) WALTERS, THOMAS. Childhood cancer research center-Treatment of acute myelocytic leukemia (human).
- P02CA-08480-09 0020 (CAP) SMITH, JOHN. Childhood cancer research center-Etiologic agents of pneumonitis in leukemia patients.
- P02CA-08480-09 0021 (CAP) HUGHES, WALTER. Childhood cancer research center-Antibiotic therapy in fulminating bacterial infections (human).
- P02CA-08480-09 0022 (CAP) BRUNELL, PHILLIP. Childhood cancer research center-Zoster immune globulin collaborative study (human).
- P02CA-08480-09 0023 (CAP) PRATT, CHARLES. Childhood cancer research center-Combination chemotherapy in acute lymphocytic leukemia (human).
- P02CA-08480-09 0024 (CAP) BRENT, THOMAS. Childhood cancer research center-Cardiovascular and pulmonary problems with sepsis and pneumonia (children).
- P02CA-08480-09 0025 (CAP) BRENT, THOMAS. Childhood cancer research center-Effect of alkylating agents and irradiation on DNA repair mechanisms.
- P02CA-08480-09 0026 (CAP) SMITH, KIRBY. Childhood cancer research center-Hodgkin's disease in children.
- P02CA-08480-09 0027 (CAP) THOMAS, EDWIN. Childhood cancer research center-Role of phospholipids in function of biological membranes (mammals).
- P02CA-08480-09 0028 (CAP) MURPHY, MARTIN. Childhood cancer research center-Immunological aspects of childhood leukemia.
- P02CA-08480-09 0029 (CAP) WALKER, RONALD. Childhood cancer research center-Dental problems in children with cancer.
- P02CA-08480-09 0030 (CAP) FELDMAN, SANDOR. Childhood cancer research center-Varicella-Zoster and herpesvirus infections in children with cancer.
- 801CA-08482-09 (HEM) SCOTT, ROBERT B. VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Differentiation and function of hemopoietic cells (rats).
- 801CA-08487-09 (PC) BOLLUM, FREDERICK J. UNIVERSITY OF KENTUCKY, MEDICAL CENTER, LEXINGTON, KY. Biosynthetic polydeoxynucleotides (cattle).
- 801CA-08494-09 (VR) ROZMAN, BERNARD, UNIVERSITY OF CHICAGO, 939 E 57TH STREET, CHICAGO, ILL. Mechanisms of viral infection in relation to cancer.
- 801CA-08495-09 (MCHB) POTTS, KEVIN T. RENKSELAER POLYTECHNIC INST, DEPARTMENT OF CHEMISTRY, TROY, N. Y. Fused heterocycles as potential anticancer agents.
- 801CA-08497-09 (ALY) PUTNAM, FRANK W. INDIANA UNIVERSITY, 224 JORDAN HALL, BLOOMINGTON, IND. Abnormal proteins in multiple myeloma (human).
- 801CA-08499-10 (CBV) HU, FUNAN, OREGON REGIONAL PRIM RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Tissue culture studies of human melanocytes (and monkeys).
- 801CA-08515-09 (VR) LASFARQUES, ETHELNE Y. INSTITUTE FOR MEDICAL RESEARCH, COPEWOOD STREET, CAMDEN, N. J. Tissue culture studies of the mammary tumor virus (human, mice).
- 801CA-08518-07 (RAD) BRANDES, DAVID, BALTIMORE CITY HOSPITAL, 4940 EASTERN AVENUE, BALTIMORE, MD. Lysosomal enzymes in x-irradiated tumor cells.
- 801CA-08518-07 0001 (RAD) BRANDES, DAVID. Lysosomal enzymes in x-irradiated tumor cells-L1210 leukemia (ascites) in vivo and in vitro (mice).
- 801CA-08518-07 0002 (RAD) BRANDES, DAVID. Lysosomal enzymes in x-irradiated tumor cells-Schmidt-Ruppin sarcoma RR-1022 (rats).
- 801CA-08518-07 0008 (RAD) BRANDES, DAVID. Lysosomal enzymes in x-irradiated tumor cells-Adenyl cyclase, cAMP and phosphodiesterase levels (human, mice, rats).
- 801CA-08518-07 0004 (RAD) BRANDES, DAVID. Lysosomal enzymes in x-irradiated tumor cells-Hormonally-induced involution of prostatic cells (rats).
- 801CA-08318-07 0003 (RAD) BRANDES, DAVID. Lysosomal enzymes in x-irradiated tumor cells-Mechanism of action of Trypan Blue.
- 801CA-08543-10 (NEUA) ALLEN, JAMES M. OHIO STATE UNIVERSITY, 410 W TENTH AVE, COLUMBUS, OHIO. Biochemistry of nitroserum induced brain tumors (rats).
- 801CA-08575-09 (PTMB) FIRMINGER, HARLAN I. 660 WEST REDWOOD STREET, BALTIMORE, MD. Atlas of tumor pathology.
- 801CA-08593-03 (PTMB) GERSHON, RICHARD K. 333 CEDAR STREET, NEW HAVEN, CONN. Immune responses to tumor grafts (mice, sheep).
- 801CA-08616-09 (RAD) DEWEY, WILLIAM C. COLORADO STATE UNIVERSITY, DEPT OF RADIOL & RADIA BIOL, FORT COLLINS COLO. Cellular responses to irradiation (hamsters).
- 801CA-08627-03 (UMB) LAMA, MICHAEL E. NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Antigenic changes in mouse leukemogenesis (mice, rabbits).
- 801CA-08642-09 (VR) RUBCKERT, ROLAND R. UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Structure of picornaviruses and heparinases (mice).
- 801CA-08676-10 (BIO) GREENGARD, OLGA, NEW ENGLAND DEACONESS HOSP, 185 PILGRIM ROAD, BOSTON, MASS. Regulation of mammalian enzyme synthesis (rats).
- 801CA-08723-06 (MCHB) KOLTHOFF, IZAAK M. UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. Polarographic kinetic protein waves (bovine serum).
- 801CA-08723-06 (HEM) BRODSKY, ISADORE, HAHNEMANN MED COLL & HOSP, 230 N BROAD STREET, PHILADELPHIA, PA. Effect of leukemia viruses on hematopoiesis.
- 801CA-08731-09 (VR) DIAMANDPOULOS, GEORGE T. HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Viral carcinogenesis with special reference to SV40.
- 801CA-08736-09 (HEM) REISSMANN, KUERT R. UNIV OF KANSAS MED CTR, 39TH & RAINBOW BLDV, KANSAS CITY, KANS. Selective myelotoxic effect of antitumor drugs (mice).
- 801CA-08740-08 (VR) MOORE, DAN H. INSTITUTE FOR MEDICAL RESEARCH, COPEWOOD STREET, CAMDEN, N. J. Etiological studies of mammary carcinoma (human, mice).
- 801CA-08748-09 (CAK) GOOD, ROBERT A. SLOAN KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N. Y. Research program of Sloan-Kettering Institute.
- 801CA-08748-09 5102 (CAK) RUBINOW, SOL I. Research program of Sloan-Kettering Institute-Mathematics of cell population kinetics.
- 801CA-08748-09 5103 (CAK) RUBINOW, SOL I. Research program of Sloan-Kettering Institute-Mathematical descriptions of enzyme reactions.
- 801CA-08748-09 5118 (CAK) RUBINOW, SOL I. Research program of Sloan-Kettering Institute-Optimization of cell cycle specific drug treatment.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01CA-08748-09 5301 (CAK) SONENBERG, MARTIN. Research program of Sloan-Kettering Institute—Physiologically active peptide of bovine growth hormone (human).
- P01CA-03748-09 5302 (CAK) AIZONO, YASUO. Research program of Sloan-Kettering Institute—Hormonal effects on plasma membranes (human, rats).
- P01CA-03748-09 5304 (CAK) SONENBERG, MARTIN. Research program of Sloan-Kettering Institute—Physical and chemical studies of mammalian cell surfaces (rats).
- P01CA-05748-09 5305 (CAK) LEMARD, JOHN. Research program of Sloan-Kettering Institute—Structure and molecular organization of biological membranes (viruses).
- P01CA-03748-09 5401 (CAK) BRADLEY, MARION. Research program of Sloan-Kettering Institute—Plasma membranes from liver cells and hepatoma (rats).
- P01CA-08748-09 5402 (CAK) SKIPSKI, VLADIMIR P. Research program of Sloan-Kettering Institute—Protein-lipid complexes of proteolipid type in malignancy (human, rats, mice).
- P01CA-03748-09 5403 (CAK) TELLER, MORRIS N. Research program of Sloan-Kettering Institute—Oncogenic effect and structure of purine N-oxides (rats).
- P01CA-08748-09 5407 (CAK) TARNOWSKI, GEORGE S. Research program of Sloan-Kettering Institute—Effect of natural products on cancer growth (mice).
- P01CA-03748-09 5409 (CAR) TARNOWSKI, GEORGE S. Research program of Sloan-Kettering Institute—Effect of adrenergic agonists on growth and DNA synthesis in taper liver (mice).
- P01CA-08748-09 5411 (CAK) BRADLEY, MARION. Research program of Sloan-Kettering Institute—Serum high density lipoprotein-2 in cancer patients.
- P01CA-08748-09 5412 (CAK) TELLER, MORRIS N. Research program of Sloan-Kettering Institute—Effect of immunological status on purine N-oxide carcinogenesis in rats.
- P01CA-08748-09 5413 (CAK) TELLER, MORRIS N. Research program of Sloan-Kettering Institute—Combination and single agents—survival of myeloma-bearing mice.
- P01CA-08748-09 5414 (CAK) TELLER, MORRIS N. Research program of Sloan-Kettering Institute—Effect of chemotherapy on host immunity in tumor-bearing mice.
- P01CA-08748-09 5415 (CAK) TELLER, MORRIS N. Research program of Sloan-Kettering Institute—Remission of rat mammary adenocarcinomas by selected drugs.
- P01CA-08748-09 5416 (CAK) TELLER, MORRIS N. Research program of Sloan-Kettering Institute—Effect of age on host-tumor-drug relationships (mice).
- P01CA-08748-09 5502 (CAK) GELBARD, ALAN S. Research program of Sloan-Kettering Institute—Radiation effects on enzymes related to DNA synthesis (human).
- P01CA-08748-09 5504 (CAK) ZEITZ, LOUIS. Research program of Sloan-Kettering Institute—Incorporation of 3H-BUDR into DNA of sea urchin eggs.
- P01CA-08748-09 5506 (CAK) KESSARIS, NIKITAS D. Research program of Sloan-Kettering Institute—Effects of high energy neutron sources in tissue-like media.
- P01CA-08748-09 5508 (CAK) FRIED, JERROLD. Research program of Sloan-Kettering Institute—Dynamic metabolic studies with radioisotopes.
- P01CA-08748-09 5509 (CAR) FRIED, JERROLD. Research program of Sloan-Kettering Institute—Evaluation of grain count data from autoradiographs.
- P01CA-08748-09 5510 (CAK) FRIED, JERROLD. Research program of Sloan-Kettering Institute—Mathematic models of cell populations—analysis by radiotracer.
- P01CA-08748-09 5511 (CAK) FRIEDMAN, MARVIN I. Research program of Sloan-Kettering Institute—Radiographic image degradation Tokim system.
- P01CA-08748-09 5513 (CAK) DJORDJEVIC, BOZIDAR. Research program of Sloan-Kettering Institute—Effect of cell density on radiation sensitivity (human, mice).
- P01CA-08748-09 5514 (CAK) DJORDJEVIC, BOZIDAR. Research program of Sloan-Kettering Institute—Effect of neutrons on hypoxic HeLa cells.
- P01CA-08748-09 5515 (CAK) FRIED, JERROLD. Research program of Sloan-Kettering Institute—Effect of chloroquine on radiation repair in tumor cells (human, mice).
- P01CA-08748-09 5520 (CAK) ZEITZ, LOUIS. Research program of Sloan-Kettering Institute—Mineral content of bone using photon absorption technique.
- P01CA-08748-09 5524 (CAK) MONAHAN, W GORDON. Research program of Sloan-Kettering Institute—Biomedical computer research project.
- P01CA-08748-09 5525 (CAK) MONAHAN, W GORDON. Research program of Sloan-Kettering Institute—TOHM studies of metabolically active isotopes in vivo.
- P01CA-08748-09 5528 (CAK) MAYER, KLAUS. Research program of Sloan-Kettering Institute—Spleenic sequestration of labeled erythrocytes in spleen (human).
- P01CA-08748-09 5529 (CAK) MONAHAN, W GORDON. Research program of Sloan-Kettering Institute—Clearance of tracers in radiation damaged lungs (dogs).
- P01CA-08748-09 5530 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Distribution of injected SE73 in mice.
- P01CA-08748-09 5531 (CAK) TILBURY, ROY S. Research program of Sloan-Kettering Institute—Cyclotron produced radioactive gases for lung function studies.
- P01CA-08748-09 5532 (CAK) TILBURY, ROY S. Research program of Sloan-Kettering Institute—Short-lived labeled compounds for metabolic and tumor localization.
- P01CA-08748-09 5533 (CAK) KUO, THOMAS Y. T.. Research program of Sloan-Kettering Institute—Cyclotron technology and development.
- P01CA-08748-09 5534 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Fluorine-18 scanning for bone lesions in cancer patients.
- P01CA-08748-09 5535 (CAK) MAYER, KLAUS. Research program of Sloan-Kettering Institute—Therapy of chondrosarcoma and chordoma with 5-35 (human).
- P01CA-08748-09 5536 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Calcium deposition in bone lesions following radiotherapy (human).
- P01CA-08748-09 5539 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Image characteristics in phantoms and small mammals.
- P01CA-08748-09 5541 (CAK) CANADA, THOMAS R. Research program of Sloan-Kettering Institute—Depth, dose and beam profile of fast neutron beams.
- P01CA-08748-09 5542 (CAK) MONAHAN, W GORDON. Research program of Sloan-Kettering Institute—N-13 labeled ammonia as scanning agent (dogs).
- P01CA-08748-09 5543 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Localization of gallium-67 citrate in tissues (human).
- P01CA-08748-09 5545 (CAK) BIGLER, RODNEY E. Research program of Sloan-Kettering Institute—Neutron activation of calcium and other elements in man.
- P01CA-03748-09 5546 (CAK) BEATTIE, JOHN W. Research program of Sloan-Kettering Institute—Improved resolution of radioactivity localization.
- P01CA-08748-09 5548 (CAK) DJORDJEVIC, BOZIDAR. Research program of Sloan-Kettering Institute—Effect of californium-252 neutrons on hypoxic HeLa cells (human).
- P01CA-08748-09 5549 (CAK) GELBARD, ALAN S. Research program of Sloan-Kettering Institute—Synthesis of short-lived labeled compounds for tumor scanning.
- P01CA-08748-09 5550 (CAK) KESSARIS, NIKITAS D. Research program of Sloan-Kettering Institute—Rediffusion of oxygen in thin bacterial layer.
- P01CA-08748-09 5551 (CAK) BJORDJEVIC, BOZIDAR. Research program of Sloan-Kettering Institute—Characterization of chronically hypoxic cells (HeLa cells).
- P01CA-08748-09 5552 (CAK) BJORDJEVIC, BOZIDAR. Research program of Sloan-Kettering Institute—Radiation responses of drug-resistant and drug-sensitive cell lines (hamster).
- P01CA-08748-09 5553 (CAK) FRIED, JERROLD. Research program of Sloan-Kettering Institute—Mathematical models simulating cytotoxic agent effects.
- P01CA-08748-09 5554 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Organ uptake of radioactive tracers.
- P01CA-08748-09 5555 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Distribution of injected Sc-47 in mice.
- P01CA-08748-09 5556 (CAK) LAUGHLIN, JOHN S. Research program of Sloan-Kettering Institute—Fluorine-18 metabolism in the acutely uremic rat.
- P01CA-08748-09 5557 (CAK) MONAHAN W GORDON. Research program of Sloan-Kettering Institute—Organ activity scanning with positron-emitting radionuclides.
- P01CA-08748-09 5602 (CAK) SHERLOCK, PAUL. Research program of Sloan-Kettering Institute—Healing stress ulcers by growth hormone (human).
- P01CA-08748-09 5605 (CAK) ISAACS, MARIAN C. Research program of Sloan-Kettering Institute—Clinical effects of adrenal steroids on renal function in cancer patients.
- P01CA-08748-09 5608 (CAK) ALCOCK, NANCY W. Research program of Sloan-Kettering Institute—Thymic enlargement in magnesium deficiency (rats).
- P01CA-08748-09 5609 (CAK) DIMICH, ALEXANDRA. Research program of Sloan-Kettering Institute—Phosphate treatment on calcium metabolism in hyperparathyroidism (human).
- P01CA-08748-09 5611 (CAK) ROTHSCHILD, EDMUND O. Research program of Sloan-Kettering Institute—Calcium mobilizing materials from non-parathyroid neoplasms (human, cattle).
- P01CA-08748-09 5612 (CAK) GREENBURG, ERNEST J. Research program of Sloan-Kettering Institute—Bone mineralization measurement (human).
- P01CA-08748-09 5613 (CAK) SHAPIRO, WILLIAM R. Research program of Sloan-Kettering Institute—Chemotherapy trials on transplanted gliomas in mice.
- P01CA-08748-09 5614 (CAK) SHAPIRO, WILLIAM R. Research program of Sloan-Kettering Institute—Growth kinetics in murine gliomas relating to drug dosage.
- P01CA-08748-09 5615 (CAK) POSNER, JEROME B. Research program of Sloan-Kettering Institute—Effect of corticosteroids on brain tumor water-electrolyte content (mice).
- P01CA-08748-09 5616 (CAK) SHAPIRO, WILLIAM R. Research program of Sloan-Kettering Institute—Uptake of drugs in brain tumors in mice.
- P01CA-08748-09 5617 (CAK) HOUE, RAYMOND W. Research program of Sloan-Kettering Institute—Combined administration of pentazocine and morphine (human).
- P01CA-08748-09 5618 (CAK) HOUE, RAYMOND W. Research program of Sloan-Kettering Institute—Relative oral-parenteral potency of propiram fumarate in chronic pain.
- P01CA-08748-09 5619 (CAK) HOUE, RAYMOND W. Research program of Sloan-Kettering Institute—Potency of analgesics in cancer patients.
- P01CA-08748-09 5634 (CAK) DIMICH, ALEXANDRA. Research program of Sloan-Kettering Institute—Effect of cancer on calcium-47 kinetics (human).
- P01CA-08748-09 5635 (CAK) HOUE, RAYMOND W. Research program of Sloan-Kettering Institute—Analgesic potency of tilidine and morphine (human).
- P01CA-08748-09 5636 (CAK) LIPKIN, MARTIN. Research program of Sloan-Kettering Institute—Production of adenocarcinoma of the colon (mice).
- P01CA-08748-09 5637 (CAK) DIMICH, ALEXANDRA. Research program of Sloan-Kettering Institute—Effect of oral phosphate on calcium metabolism in rats.
- P01CA-08748-09 5638 (CAK) DIMICH, ALEXANDRA. Research program of Sloan-Kettering Institute—Effect of calcitonin on hypercalcemia of cancer patients.
- P01CA-08748-09 5639 (CAK) SHAPIRO, WILLIAM R. Research program of Sloan-Kettering Institute—Resistance to intracerebral inoculation of cancer cells (mice).
- P01CA-08748-09 5640 (CAK) HOUE, RAYMOND W. Research program of Sloan-Kettering Institute—Analgesic potency of oral SU-19713B and codeine (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01CA-08748-09 5641 (CAK) LIPKIN, MARTIN. Research program of Sloan-Kettering Institute—Growth in normal, benign and malignant gastrointestinal mucosa (human).	P01CA-08748-09 5919 (CAK) WHITMORE, WILLET F, JR.. Research program of Sloan-Kettering Institute—Urethral reconstruction-surgical procedure (dogs).
P01CA-08743-09 5702 (CAK) BROWN, GEORGE B. Research program of Sloan-Kettering Institute—Chemical studies of N-hydroxypurines.	P01CA-08748-09 5920 (CAK) WHITMORE, WILLET F, JR.. Research program of Sloan-Kettering Institute—Bladder tumors—Influence of dietary factors (rats).
P01CA-08748-09 5703 (CAK) PARNAM, JAMES C. Research program of Sloan-Kettering Institute—Photochemistry of purine N-oxides in oncogenesis.	P01CA-08748-09 5921 (CAK) WHITMORE, WILLET F, JR.. Research program of Sloan-Kettering Institute—Serum enzyme alterations in renal necrosis (dogs).
P01CA-03748-09 5704 (CAK) McDONALD, JEROME J. Research program of Sloan-Kettering Institute—Metabolic studies of oncogenic purine derivatives (rats).	P01CA-08748-09 5922 (CAK) WHITMORE, WILLET F, JR.. Research program of Sloan-Kettering Institute—Kidney tumors—Influence of dietary factors (rats).
P01CA-08748-09 5705 (CAK) FISSEKIS, JOHN D. Research program of Sloan-Kettering Institute—Substituted 5-alkylpyrimidino derivatives—Synthesis, antiviral activities.	P01CA-08748-09 5925 (CAK) WHITMORE, WILLET F, JR. Research program of Sloan-Kettering Institute—Non-steroidal anti-androgen effect on glandular element of prostate (dogs, cats).
P01CA-08748-09 5706 (CAK) PETERMANN, MARY L. Research program of Sloan-Kettering Institute—Dissociation of rat liver ribosomes.	P01CA-08748-09 5926 (CAK) WHITMORE, WILLET F, JR. Research program of Sloan-Kettering Institute—Ureteral reimplantation (dogs).
P01CA-08748-09 5707 (CAK) HAMILTON, MARY G. Research program of Sloan-Kettering Institute—Characterization of ribosomal subunits (rats).	P01CA-08748-09 5927 (CAK) LEWIS, JOHN L JR. Research program of Sloan-Kettering Institute—HL-A antigens in women with trophoblastic neoplasms.
P01CA-08748-09 5708 (CAK) PETERMANN, MARY L. Research program of Sloan-Kettering Institute—Unfolding of ribosomal subunits.	P01CA-08748-09 5928 (CAK) LEWIS, JOHN L JR. Research program of Sloan-Kettering Institute—Viral associated antigens in gynecologic cancers (human).
P01CA-08748-09 5709 (CAK) HAMILTON, MARY G. Research program of Sloan-Kettering Institute—Ribosomal proteins.	P01CA-08748-09 5929 (CAK) NORDGVIST, STAFFAN. Research program of Sloan-Kettering Institute—Effect of steroid hormones on DNA synthesis of endometrial cancers.
P01CA-08748-09 5719 (CAK) WATSON, ANGUS A. Research program of Sloan-Kettering Institute—Synthesis of new purine N-oxide derivatives.	P01CA-08748-09 5930 (CAK) WHITMORE, WILLET F JR. Research program of Sloan-Kettering Institute—In situ freezing of portions of the kidney (rabbits).
P01CA-08748-09 5720 (CAK) BROWN, GEORGE B. Research program of Sloan-Kettering Institute—Production of oncogenic purine N-oxides by ionizing radiation.	P01CA-08748-09 5931 (CAK) EXELBY, PHILIP R. Research program of Sloan-Kettering Institute—Surgical research projects (laboratory animals).
P01CA-08748-09 5722 (CAK) NISSELBAUM, JEROME S. Research program of Sloan-Kettering Institute—Interaction between glyceraldehyde-3-P and aspartate aminotransferase.	P01CA-08748-09 5932 (CAK) LAVARELLO, RICARDO J. Research program of Sloan-Kettering Institute—Autotransplantation of liver (dogs).
P01CA-08748-09 5724 (CAK) KOPELOVICH, LEVY. Research program of Sloan-Kettering Institute—Synthesis of aspartate aminotransferase isozymes in rod blood cells (rats).	P01CA-08748-09 5933 (CAK) NEHLSSEN, SANDRA L. Research program of Sloan-Kettering Institute—Prolong graft survival with blocking antibodies (dogs).
P01CA-08748-09 5726 (CAK) SCHWARTZ, MORTON K. Research program of Sloan-Kettering Institute—L-asparaginase, L-glutaminase assay (dogs).	P01CA-08748-09 5934 (CAK) KAKITA, AKIRA. Research program of Sloan-Kettering Institute—Immunosuppressive effects of cytotoxic drugs (rats).
P01CA-08748-09 5727 (CAK) SCHWARTZ, MORTON K. Research program of Sloan-Kettering Institute—Isoenzymes of serum and tissue alkaline phosphatase (human).	P01CA-08748-09 5935 (CAK) FORTNER, JOSEPH G. Research program of Sloan-Kettering Institute—Techniques for liver transplantation (dogs).
P01CA-08748-09 5728 (CAK) BETHUNE, VICTOR G. Research program of Sloan-Kettering Institute—5-Prime nucleotidase assay-automated (human).	P01CA-08748-09 5936 (CAK) KIM DONG, K. Research program of Sloan-Kettering Institute—Techniques for separation and culture of islet cells in rats.
P01CA-08748-09 5729 (CAK) SCHWARTZ, MORTON K. Research program of Sloan-Kettering Institute—Carcinocembryonic (CEA) antigen (human).	P01CA-08748-09 5937 (CAK) KIM, DONG K. Research program of Sloan-Kettering Institute—Gastric ulcerations in pigs with orthotopic liver allotransplantation.
P01CA-08748-09 5730 (CAK) SCHWARTZ, MORTON K. Research program of Sloan-Kettering Institute—Radioimmunoassay of growth hormone (human).	P01CA-08748-09 5938 (CAK) FORTNER, JOSEPH G. Research program of Sloan-Kettering Institute—Mixed leukocyte culture and typing for liver allograft rejection in dogs.
P01CA-08748-09 5732 (CAK) GREEN, SAUL. Research program of Sloan-Kettering Institute—Inactivation of microsomal NADase by NAD in Ehrlich ascites.	P01CA-08748-09 6001 (CAK) FITZGERALD, PATRICK J. Research program of Sloan-Kettering Institute—Biochemical and morphological differentiation (rats, chick embryo).
P01CA-08748-09 5733 (CAK) GREEN, SAUL. Research program of Sloan-Kettering Institute—Nicotinamide adenine dinucleotide glycohydrolase (mice).	P01CA-08748-09 6002 (CAK) FITZGERALD, PATRICK J. Research program of Sloan-Kettering Institute—Biochemical and cytochemical techniques in differentiation (rats, chick embryo).
P01CA-08748-09 5734 (CAK) MAMARIL, FRANCISCO P. Research program of Sloan-Kettering Institute—NAD-pyrophosphorylase activity and ATP synthesis (mice).	P01CA-08748-09 6003 (CAK) PRENSKY, WOLF. Research program of Sloan-Kettering Institute—DNA and protein synthesis in regenerating biological systems (mammals).
P01CA-08748-09 5735 (CAK) PETERMANN, MARY L. Research program of Sloan-Kettering Institute—Messenger RNA binding to ribosomal subunits.	P01CA-08748-09 6004 (CAK) FITZGERALD, PATRICK J. Research program of Sloan-Kettering Institute—Electron microscopy in differentiation.
P01CA-08748-09 5736 (CAK) STORER, GERHARD. Research program of Sloan-Kettering Institute—Mutagenesis by purine N-oxide derivatives (bacteria).	P01CA-08748-09 6201 (CAK) KRAKOFF, ERWIN H. Research program of Sloan-Kettering Institute—Clinical evaluation of cancer chemotherapy in adults.
P01CA-08748-09 5737 (CAK) HAMILTON, MARY G. Research program of Sloan-Kettering Institute—Ribonucleoproteins of the liver cell nucleus (human).	P01CA-08748-09 6202 (CAK) TAN, CHARLOTTE T C. Research program of Sloan-Kettering Institute—Clinical evaluation of cancer chemotherapy in children.
P01CA-08748-09 5738 (CAK) HAMILTON, MARY G. Research program of Sloan-Kettering Institute—Ribosomes of beef liver mitochondria.	P01CA-08748-09 6203 (CAK) YOUNG, CHARLES W. Research program of Sloan-Kettering Institute—Analysis of plasma and urine in Hodgkin's disease.
P01CA-08748-09 5739 (CAK) NISSELBAUM, JEROME S. Research program of Sloan-Kettering Institute—Glycogen sparing effect in slow growing hepatomas in rats.	P01CA-08748-09 6204 (CAK) YOUNG, CHARLES W. Research program of Sloan-Kettering Institute—Esterase activity in Hodgkin's disease patients.
P01CA-08748-09 5740 (CAK) SCHWARTZ, MORTON K. Research program of Sloan-Kettering Institute—Estrogen binding in breast tissue (human).	P01CA-08748-09 6206 (CAK) CALASCIBETTA, FRANK M. Research program of Sloan-Kettering Institute—Phenylalanine and uridine uptake by L1210 leukemia cells (mice).
P01CA-08748-09 5741 (CAK) GREEN, SAUL. Research program of Sloan-Kettering Institute—Effects of bacterial NADase on Ehrlich ascites cells.	P01CA-08748-09 6207 (CAK) CLARKSON, BAYARD D. Research program of Sloan-Kettering Institute—Proliferation kinetics of cancer cells related to therapy (human).
P01CA-08748-09 5742 (CAK) GREEN, SAUL. Research program of Sloan-Kettering Institute—NADase levels in tissues of BCG treated rodents.	P01CA-08748-09 6208 (CAK) CLARKSON, BAYARD D. Research program of Sloan-Kettering Institute—Proliferation of human lymphoblastoid cells related to therapy.
P01CA-08748-09 5801 (CAK) YIP, LILY C. Research program of Sloan-Kettering Institute—Normal and deranged purine intermediary metabolism (human, monkeys, rats).	P01CA-08748-09 6209 (CAK) CLARKSON, BAYARD D. Research program of Sloan-Kettering Institute—Cell clones derived from human leukemic bone marrow and blood.
P01CA-08748-09 5802 (CAK) SALSER, JOSEPHINE S. Research program of Sloan-Kettering Institute—Thymidine kinase in DNA synthesis of malignancy (human, rats).	P01CA-08748-09 6210 (CAK) CLARKSON, BAYARD D. Research program of Sloan-Kettering Institute—Isolation of a pure G-1 fraction in human hematopoietic cells.
P01CA-08748-09 5803 (CAK) BALLS, M EARL. Research program of Sloan-Kettering Institute—Enzyme activities in intestinal mucosa in malignant transformation (rats, human).	P01CA-08748-09 6211 (CAK) MURPHY, M LOIS. Research program of Sloan-Kettering Institute—Mathematical models in developing leukemia treatment.
P01CA-08748-09 5906 (CAK) NEHLSSEN, SANDRA L. Research program of Sloan-Kettering Institute—Fetal antigen survey (human).	P01CA-08748-09 6212 (CAK) CLARKSON, BAYARD D. Research program of Sloan-Kettering Institute—Proliferation of leukemic cells in cerebrospinal fluid of man.
P01CA-08748-09 5908 (CAK) MULCARE, BOBERT J. Research program of Sloan-Kettering Institute—Isolation-perfusion of liver (dogs).	P01CA-08748-09 6213 (CAK) CLARKSON, BAYARD D. Research program of Sloan-Kettering Institute—Proliferation of hematopoietic precursors in acute leukemia, preleukemia (human).
P01CA-08748-09 5911 (CAK) LEWIS, JOHN L JR. Research program of Sloan-Kettering Institute—Radioimmunoassay of pituitary and chorionic gonadotropin in endometrial cancer.	P01CA-08748-09 6301 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute—Intrathecal radiogold in meningeal tumors (children).
P01CA-08748-09 5912 (CAK) WHITMORE, WILLET F, JR. Research program of Sloan-Kettering Institute—Zinc in the human reproductive tract.	P01CA-08748-09 6302 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute—Cystathionine and vanillylmandelic excretion in neuroblastoma (human).
P01CA-08748-09 5913 (CAK) WHITMORE, WILLET F, JR. Research program of Sloan-Kettering Institute—Uterusigmoidostomy—New procedure in dogs.	
P01CA-08748-09 5915 (CAK) WHITMORE, WILLET F, JR. Research program of Sloan-Kettering Institute—Ureteral substitution with plastics (dogs).	
P01CA-08748-09 5916 (CAK) FORTNER, JOSEPH G. Research program of Sloan-Kettering Institute—Short-term liver preservation (swine).	
P01CA-08748-09 5918 (CAK) SHERMAN, MERRY R. Research program of Sloan-Kettering Institute—Steroid hormone receptors in normal and malignant uterus (chickens, rabbits).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01CA-08748-09 6303 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute-Interaction of ionizing radiation and actinomycin-D in rodents.
- P01CA-08748-09 6304 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute-Radiation induced maternal dysfunction as a factor in embryonic mortality (rats).
- P01CA-08748-09 6305 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute-Colloidal phosphorus and gold in treating ascitic tumors in mice.
- P01CA-08748-09 6308 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute-Comparison time dose fractionation regimen in neoplasms (rodents, rabbits, human).
- P01CA-08748-09 6309 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute-Biological effectiveness (RBE) of neutron-radiation on embryogenesis (rats).
- P01CA-08748-09 6310 (CAK) HAHN, ERIC W. Research program of Sloan-Kettering Institute-Gonadal radiation and spermatogenesis in cancer patients.
- P01CA-08748-09 6311 (CAK) KIM, JAE HO. Research program of Sloan-Kettering Institute-OER and RBE of helium ion beam in human kidney cells.
- P01CA-08748-09 6312 (CAK) KIM, JAE HO. Research program of Sloan-Kettering Institute-Dose-response curves of skin lesions to electron beam radiation (human).
- P01CA-08748-09 6401 (CAK) WATANABE, KYOICHI A. Research program of Sloan-Kettering Institute-Nucleoside antibiotics-synthesis.
- P01CA-08748-09 6402 (CAK) OTTER, BRIAN A. Research program of Sloan-Kettering Institute-6-Substituted-pyrimidines and nucleosides-synthesis.
- P01CA-08748-09 6404 (CAK) FOX, JACK J. Research program of Sloan-Kettering Institute-Anhydro-ara-FC analogs synthesis.
- P01CA-08748-09 6405 (CAK) FOX, JACK J. Research program of Sloan-Kettering Institute-Synthesis of carbon-carbon linked nucleosides.
- P01CA-08748-09 6406 (CAK) WATANABE, KYOICHI A. Research program of Sloan-Kettering Institute-Rotational isomerism of certain nucleosides.
- P01CA-08748-09 6501 (CAK) DEHARVEN, ETIENNE. Research program of Sloan-Kettering Institute-High resolution electron microscopy of RNA tumor viruses.
- P01CA-08748-09 6506 (CAK) DEHARVEN, ETIENNE. Research program of Sloan-Kettering Institute-Virus-like agents in cells from Hodgkin's disease.
- P01CA-08748-09 6513 (CAK) STERNBERG, STEPHEN S. Research program of Sloan-Kettering Institute-Xanthine-3-N-oxide-induced rat liver disorders.
- P01CA-08748-09 6519 (CAK) DEHARVEN, ETIENNE. Research program of Sloan-Kettering Institute-Scanning electron microscopy of virus budding in Friend leukemia (tissue culture).
- P01CA-08748-09 6520 (CAK) DEHARVEN, ETIENNE. Research program of Sloan-Kettering Institute-Scanning electron microscopy of leukemic leukocytes (human, mice).
- P01CA-08748-09 6521 (CAK) SMITH, JANET D. Research program of Sloan-Kettering Institute-Morphology of herpes simplex and cytomegalovirus in WI38 cells.
- P01CA-08748-09 6522 (CAK) EVENSON, DONALD P. Research program of Sloan-Kettering Institute-Concentration and purification of murine leukemia virus (Friend virus).
- P01CA-08748-09 6523 (CAK) DEHARVEN, ETIENNE. Research program of Sloan-Kettering Institute-Intracytoplasmic type A particles concentrated from mammary carcinoma (mice).
- P01CA-08748-09 6524 (CAK) OLIVER, CONSTANCE. Research program of Sloan-Kettering Institute-Effects of 5-bromodeoxyuridine on cultured melanoma cells.
- P01CA-08748-09 6525 (CAK) ESSNER, EDWARD S. Research program of Sloan-Kettering Institute-Lysosomes in mice with Chediak-Higashi syndrome.
- P01CA-08748-09 6601 (CAK) CAVALIERI, LIEBE F. Research program of Sloan-Kettering Institute-RNA as a primer-template using DNA polymerase (E coli).
- P01CA-08748-09 6608 (CAK) ROSENBERG, BARBARA H. Research program of Sloan-Kettering Institute-Product of reverse transcriptase in normal and cancerous cells (E coli).
- P01CA-08748-09 6609 (CAK) HAHN, EDWIN C, III. Research program of Sloan-Kettering Institute-Coupling between DNA replication and histone synthesis in the mitotic cycle.
- P01CA-08748-09 6610 (CAK) MODAK, MUKUND J. Research program of Sloan-Kettering Institute-Properties of endogenous reverse transcriptase (human).
- P01CA-08748-09 6701 (CAK) GOMATOS, PETER J. Research program of Sloan-Kettering Institute-RNA synthesis in reovirus-infected mouse fibroblasts.
- P01CA-08748-09 6702 (CAK) MICHEL, MARCEL. Research program of Sloan-Kettering Institute-Semilike Forest Virus studies-RNA synthesis in infected hamster kidney cells.
- P01CA-08748-09 6703 (CAK) KRUG, ROBERT M. Research program of Sloan-Kettering Institute-RNA protein synthesis in influenza virus-infected canine kidney cells.
- P01CA-08748-09 6704 (CAK) IKEGAMI, NOBUKO. Research program of Sloan-Kettering Institute-Nucleic acids, proteins biosynthesis in virus-transformed cells (mice, hamsters).
- P01CA-08748-09 6705 (CAK) FLEISSNER, ERWIN. Research program of Sloan-Kettering Institute-Protein biosynthesis in Rous sarcoma-transformed cells (chick embryo).
- P01CA-08748-09 6706 (CAK) FLEISSNER, ERWIN. Research program of Sloan-Kettering Institute-Protein synthesis and viral replication in Sendai virus-infected cells (cattle).
- P01CA-08748-09 6707 (CAK) IKGAMI, NOBURO. Research program of Sloan-Kettering Institute-Multiplication of reovirus temperature-sensitive mutants.
- P01CA-08748-09 6801 (CAK) OLD, LLOYD J. Research program of Sloan-Kettering Institute-Protein components of avian and mammalian C-viruses (rabbits).
- P01CA-08748-09 6803 (CAK) OLD, LLOYD J. Research program of Sloan-Kettering Institute-Cytoplasmic antigens of herpesvirus in cancer cells (human).
- P01CA-08748-09 6804 (CAK) OLD, LLOYD J. Research program of Sloan-Kettering Institute-Interferon treatment of spontaneous lymphosarcoma in cats.
- P01CA-08748-09 6806 (CAK) OLD, LLOYD J. Research program of Sloan-Kettering Institute-Topography of cell surface antigens (mice).
- P01CA-08748-09 6807 (CAK) OLD, LLOYD J. Research program of Sloan-Kettering Institute-Epidemiologic studies of feline leukemia virus.
- P01CA-08748-09 6808 (CAK) OLD, LLOYD J. Research program of Sloan-Kettering Institute-Mixed bacterial toxins as immunopotentiators in cancer therapy (dogs, cats).
- P01CA-08748-09 6809 (CAK) BOYSE, EDWARD A. Research program of Sloan-Kettering Institute-Isolating and characterizing antigenic cell surface components (mice).
- P01CA-08748-09 6810 (CAK) BOYSE, EDWARD A. Research program of Sloan-Kettering Institute-Production of serum antibody to epidermal cell surface antigens in mice.
- P01CA-08748-09 6811 (CAK) BOYSE, EDWARD A. Research program of Sloan-Kettering Institute-Linkage relationship of genes specifying cell surface components (mice).
- P01CA-08748-09 6812 (CAK) BOYSE, EDWARD A. Research program of Sloan-Kettering Institute-Role of thymus in the expression of genes (mice).
- P01CA-08748-09 6813 (CAK) BOYSE, EDWARD A. Research program of Sloan-Kettering Institute-Role of T-locus in morphogenesis of mouse embryo.
- P01CA-08748-09 6814 (CAK) OLD, LLOYD J. Research program of Sloan-Kettering Institute-Antigen markers in characterizing and separating nerve cells (mammals).
- P01CA-08748-09 6904 (CAK) BURNES, ALFRED T H. Research program of Sloan-Kettering Institute-Structure of picornavirus virions (encephalomyocarditis).
- P01CA-08748-09 6905 (CAK) SANDERS, F KINGSLEY. Research program of Sloan-Kettering Institute-Oncogenic transformation by hamster sarcoma virus.
- P01CA-08748-09 6906 (CAK) HIRSHAUT, YASHAR. Research program of Sloan-Kettering Institute-Herpes-like virus-detection of antibodies by immunofluorescence.
- P01CA-08748-09 6907 (CAK) HIRSHAUT, YASHAR. Research program of Sloan-Kettering Institute-Immunofluorescent studies on human tumors-Search for antigens.
- P01CA-08748-09 6909 (CAK) EISINGER, MAGDALENA. Research program of Sloan-Kettering Institute-Virus-like agents in Hodgkin's disease.
- P01CA-08748-09 6910 (CAK) KRIM, MATHILDE. Research program of Sloan-Kettering Institute-Meiosis and nuclear transfer in somatic Chinese hamster cells.
- P01CA-08748-09 6912 (CAK) FOGH, JORGEN E. Research program of Sloan-Kettering Institute-Search for human cancer viruses.
- P01CA-08748-09 6913 (CAK) SANDERS, F KINGSLEY. Research program of Sloan-Kettering Institute-Effect of non-viral oncogenic agents on cells (hamsters).
- P01CA-08748-09 6914 (CAK) HIRSHAUT, YASHAR. Research program of Sloan-Kettering Institute-RNA-dependent DNA polymerase for antibody production (mice, cats, monkeys).
- P01CA-08748-09 6915 (CAK) FOGH, JORGEN E. Research program of Sloan-Kettering Institute-Detection and identification of tissue culture contaminants.
- P01CA-08748-09 6916 (CAK) FOGH, JORGEN E. Research program of Sloan-Kettering Institute-Chromosomal changes in mycoplasma-infected cell cultures (human, animals).
- P01CA-08748-09 6917 (CAK) FOGH, JORGEN E. Research program of Sloan-Kettering Institute-Chromosomal changes in amnion and chorion cells (human).
- P01CA-08748-09 6918 (CAK) FOGH, JORGEN E. Research program of Sloan-Kettering Institute-Variations in morphology in cell culture with differing fixation methods.
- P01CA-08748-09 7004 (CAK) HELSON, LAWRENCE. Research program of Sloan-Kettering Institute-Cytogenetic and transplantation studies of neuroblastoma (human).
- P01CA-08748-09 7201 (CAK) BURCHENAL, JOSEPH H. Research program of Sloan-Kettering Institute-Inhibitors of RNA-directed DNA polymerase on mouse leukemia and Burkitt's tumor.
- P01CA-08748-09 7202 (CAK) BURCHENAL, JOSEPH H. Research program of Sloan-Kettering Institute-Comparison of activity of pyrimidine derivatives with ARA-C (human, mice).
- P01CA-08748-09 7203 (CAK) DOWLING, MONROE D JR. Research program of Sloan-Kettering Institute-Effect of ribonucleotide reductase inhibitors on mouse leukemia.
- P01CA-08748-09 7205 (CAK) BURCHENAL, JOSEPH H. Research program of Sloan-Kettering Institute-Effect of natural products on mouse leukemia.
- P01CA-08748-09 7207 (CAK) BURCHENAL, JOSEPH H. Research program of Sloan-Kettering Institute-Effect of purine analogs on 6-MP-resistant and sensitive cell lines (human, mice).
- P01CA-08748-09 7212 (CAK) BURCHENAL, JOSEPH H. Research program of Sloan-Kettering Institute-Effect of inorganic platinum compounds on leukemic cells (mice).
- P01CA-08748-09 7213 (CAK) GINER SOROLLA, ALFREDO. Research program of Sloan-Kettering Institute-Synthesis of purine derivatives as antitumor agents.
- P01CA-08748-09 7214 (CAK) GINER-SOROLLA ALFREDO. Research program of Sloan-Kettering Institute-Synthesis of enzymatic inhibitors as antitumor agents.
- P01CA-08748-09 7215 (CAK) GINER-SOROLLA ALFREDO. Research program of Sloan-Kettering Institute-Synthesis of purine-protein conjugates as antitumor agents.
- P01CA-08748-09 7401 (CAK) HUTCHISON, DORRIS J. Research program of Sloan-Kettering Institute-Activity and toxicity of 2, 4-diaminoquinazolines (mice, hamsters).
- P01CA-08748-09 7402 (CAK) HUTCHISON, DORRIS J. Research program of Sloan-Kettering Institute-Suspension cultures of resistant L1210 leukemia.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P01CA-08748-09 7404 (CAK) HUTCHISON, DORRIS J. Research program of Sloan-Kettering Institute—Decreased oncogenic potential in resistant mouse leukemia.
- P01CA-08748-09 7406 (CAK) SIROTNAK, FRANCIS M. Research program of Sloan-Kettering Institute—Cytotoxicity of methotrexate and other antifolates (mice).
- P01CA-08748-09 7408 (CAK) SIROTNAK, FRANCIS M. Research program of Sloan-Kettering Institute—Synthesis of dihydrofolate reductase in antifolate-resistant cells.
- P01CA-08748-09 7409 (CAK) SIROTNAK, FRANCIS M. Research program of Sloan-Kettering Institute—Mutagenesis by purine-N-oxide derivatives on *Bacillus subtilis* DNA.
- P01CA-08748-09 7410 (CAK) KREIS, WILLI. Research program of Sloan-Kettering Institute—Biochemical mechanism of resistance to P815 neoplasms (mice).
- P01CA-08748-09 7412 (CAK) KREIS, WILLI. Research program of Sloan-Kettering Institute—Inhibition of proteins biosynthesis by catabolizing enzyme (mice, rats).
- P01CA-08748-09 7413 (CAK) BIEDLER, JUNE L. Research program of Sloan-Kettering Institute—Drug resistance and chromosomal alteration (hamsters, mice).
- P01CA-08748-09 7414 (CAK) BIEDLER, JUNE L. Research program of Sloan-Kettering Institute—Reduced oncogenic potential associated with acquired drug resistance (mice).
- P01CA-08748-09 7415 (CAK) SCHMIDT, FRANZ A. Research program of Sloan-Kettering Institute—Distribution of leukemic cells and effect of antifolate therapy (mice).
- P01CA-08748-09 7417 (CAK) MEHTA, BIPINCHANDRA M. Research program of Sloan-Kettering Institute—Microbiological assay of chemotherapeutic agents.
- P01CA-08748-09 7418 (CAK) SIROTNAK, FRANCIS M. Research program of Sloan-Kettering Institute—Cytotoxicity of antifolate drugs for leukemia cells (mice).
- P01CA-08748-09 7419 (CAK) BIEDLER, JUNE L. Research program of Sloan-Kettering Institute—Cytogenetic and transplantation studies on neuroblastoma cell lines (human).
- P01CA-08748-09 7420 (CAK) ALBRECHT, ALBERTA M. Research program of Sloan-Kettering Institute—Microbial enzymes capable of destroying folate coenzyme activity and antifolates.
- P01CA-08748-09 7501 (CAK) EPP, EDWARD R. Research program of Sloan-Kettering Institute—Intracellular oxygen diffusion times in irradiated cells (bacteria).
- P01CA-08748-09 7502 (CAK) EPP, EDWARD R. Research program of Sloan-Kettering Institute—Intracellular oxygen diffusion in irradiated cells (human).
- P01CA-08748-09 7503 (CAK) WEISS, HERBERT. Research program of Sloan-Kettering Institute—Oxygen depletion in irradiated E coli.
- P01CA-08748-09 7504 (CAK) WEISS, HERBERT. Research program of Sloan-Kettering Institute—Pulsed radiation dosimetry in thin layers of cells.
- P01CA-08748-09 7512 (CAK) WEISS, HERBERT. Research program of Sloan-Kettering Institute—Recovery from sub-lethal radiation damage (HeLa cells).
- P01CA-08748-09 7601 (CAK) ZEDECK, MORRIS S. Research program of Sloan-Kettering Institute—Preclinical pharmacology of antitumor agents (dogs, rats, rabbits).
- P01CA-08748-09 7602 (CAK) ZEDECK, MORRIS S. Research program of Sloan-Kettering Institute—Hepatoma induced by methylazoxymethanol acetate (rats).
- P01CA-08748-09 7603 (CAK) STERNBERG, STEPHEN S. Research program of Sloan-Kettering Institute—Autophagic necrosis induced by antitumor agents in intestinal epithelium (mice).
- P01CA-08748-09 7604 (CAK) PHILIPS, FREDERICK S. Research program of Sloan-Kettering Institute—Proliferation in rat liver induced by xanthine 3-N-oxide.
- P01CA-08748-09 7605 (CAK) PHILIPS, FREDERICK S. Research program of Sloan-Kettering Institute—Cytotoxicity of methotrexate and other antifolates.
- P01CA-08748-09 7607 (CAK) CHOU, TING-CHAO. Research program of Sloan-Kettering Institute—Cytotoxicity of ara-C in vivo.
- P01CA-08748-09 7608 (CAK) MARGUARDT, HANS W J. Research program of Sloan-Kettering Institute—Mechanisms of malignant transformation by chemical agents (rats, mice).
- P01CA-08748-09 7609 (CAK) MARRUARDT, HANS W J. Research program of Sloan-Kettering Institute—Culturability of cells treated in vivo with carcinogens (rats).
- P01CA-08748-09 7701 (CAK) STONEHILL, ELIJOT H. Research program of Sloan-Kettering Institute—Tumor-specific embryonal antigens (mice, rabbits).
- P01CA-08748-09 7704 (CAK) BORENFREUND, ELLEN. Research program of Sloan-Kettering Institute—Genetic or oncogenic transformation by DNA uptake (human, rodents).
- P01CA-08748-09 7706 (CAK) BORENFREUND, ELLEN. Research program of Sloan-Kettering Institute—Reversal of abnormal growth patterns in tumors (mice).
- P01CA-08748-09 7708 (CAK) BODENFREUND, ELLEN. Research program of Sloan-Kettering Institute—Tumor-specific embryonal antigens (rats).
- P01CA-08748-09 7709 (CAK) BODENFREUND, ELLEN. Research program of Sloan-Kettering Institute—Cancerigenesis in genetically impaired liver cells (rats).
- P01CA-08748-09 7801 (CAK) OETTGEN, HERBERT F. Research program of Sloan-Kettering Institute—Tumor-specific antigens in guinea pig tumors.
- P01CA-08748-09 7802 (CAK) BEAN, MICHAEL A. Research program of Sloan-Kettering Institute—Cell-associated immunity to cancer (human, mice).
- P01CA-08748-09 7803 (CAK) SCHMIDT, DELF D. Research program of Sloan-Kettering Institute—In vitro assay of transfer factor activity (human).
- P01CA-08748-09 7804 (CAK) PINSKY, CARL M. Research program of Sloan-Kettering Institute—Resistance to cancer and delayed hypersensitivity (human).
- P01CA-08748-09 7805 (CAK) OETTGEN, HERBERT F. Research program of Sloan-Kettering Institute—Induction of increased immunological reactivity in mice).
- P01CA-08748-09 7806 (CAK) PINSKY, CARL M. Research program of Sloan-Kettering Institute—Immunopotentiators on cancer growth in man.
- P01CA-08748-09 7808 (CAK) BESENFELDER, EBERHARD. Research program of Sloan-Kettering Institute—Carcinoembryonic antigen in blood of cancer patients.
- P01CA-08748-09 7809 (CAK) HOFFMANN, MICHAEL. Research program of Sloan-Kettering Institute—Role of T-cells, B-cells and macrophages in immune response (mice, human).
- R01CA-08759-08 (HEM) KORNFIELD, STUART A, WASHINGTON UNIV SCH OF MED, 4550 SCOTT AVENUE, ST LOUIS, MO. Structure and biologic function of glycoproteins (human).
- R01CA-08793-08 (PHRS) KORYTNYK, WALTER, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Chemistry and pharmacology of vitamin B6 antagonists.
- R01CA-08800-08 (SSS) LASZLO, JOHN, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N C. Mechanisms of drug inhibition of human leukemic cells (rats, human).
- P02CA-08832-08 (CAP) KENNEDY, BYRL J, UNIVERSITY OF MINNESOTA, UNIV HOSPITALS, BOX 286, MINNEAPOLIS, MINN. An integrated study of advanced malignant diseases.
- P02CA-08832-08 0060 (CAP) DENARD, AMOS. An integrated study of advanced malignant diseases—Therapy-induced neutropenia (human).
- P02CA-08832-08 0061 (CAP) DENARD, AMOS. An integrated study of advanced malignant diseases—Neutropenia of cancer chemotherapy (human).
- P02CA-08832-08 0062 (CAP) DENARD, AMOS. An integrated study of advanced malignant diseases—Granulocyte lametics in Hodgkin's and lymphomas (human).
- P02CA-08832-08 0063 (CAP) DENARD, AMOS. An integrated study of advanced malignant diseases—Cyclic leukocytosis in CML (human).
- P02CA-08832-08 0064 (CAP) HADLOCK, D. An integrated study of advanced malignant diseases—Continuous flow centrifuge—Collection efficiency.
- P02CA-08832-08 0065 (CAP) MCCULLOUGH, J. An integrated study of advanced malignant diseases—Survival of fresh and stored granulocytes.
- P02CA-08832-08 0066 (CAP) HADLOCK, D. An integrated study of advanced malignant diseases—Cell compatibility between donor and granulocyte transfusion recipient (human).
- P02CA-08832-08 0067 (CAP) DENARD, AMOS. An integrated study of advanced malignant diseases—Effects of granulocyte transfusions on acute leukemia patients.
- P02CA-08832-08 0068 (CAP) MCCULLOUGH, J. An integrated study of advanced malignant diseases—Rapid plasma exchange with continuous flow centrifuge.
- P02CA-08832-08 0069 (CAP) FORTUNY, I. An integrated study of advanced malignant diseases—Leukapheresis for cyclic leukocytosis in chronic myelogenous leukemia.
- P02CA-08832-08 0070 (CAP) FORTUNY, I. An integrated study of advanced malignant diseases—HL-A phenotypes in lymphoreticular malignancies.
- P02CA-08832-08 0071 (CAP) YUNIS, E. An integrated study of advanced malignant diseases—HL-A genotypes in patients with acute myelogenous leukemia.
- P02CA-08832-08 0072 (CAP) DICK, F. An integrated study of advanced malignant diseases—Non-Hodgkin's lymphomas in bone marrow (human).
- P02CA-08832-08 0073 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Multivariate analysis of prognostic factors in lymphomas (human).
- P02CA-08832-08 0074 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Combination chemotherapy for advanced Hodgkin's disease.
- P02CA-08832-08 0075 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Chemotherapy for acute myelogenous leukemia (human).
- P02CA-08832-08 0076 (CAP) PETERSON, C C. An integrated study of advanced malignant diseases—Chronic lymphocytic leukemia cytology (human).
- P02CA-08832-08 0077 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Histology in adult non-lymphocytic leukemia.
- P02CA-08832-08 0078 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Acute granulocytic leukemia in the elderly.
- P02CA-08832-08 0079 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Pulmonary manifestations of lymphoma (human).
- P02CA-08832-08 0080 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Chemotherapy for lymphoma and Hodgkin's disease (human).
- P02CA-08832-08 0081 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Chemotherapy for non-lymphocytic leukemia (human).
- P02CA-08832-08 0082 (CAP) GAJL-PECZALSKA, K. An integrated study of advanced malignant diseases—B lymphocytes in patients with untreated lymphoma and Hodgkin's disease.
- P02CA-08832-08 0083 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Radiation vs chemical therapy for stage III Hodgkin's.
- P02CA-08832-08 0084 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Chronic myelogenous leukemia in blastic crisis (human).
- P02CA-08832-08 0085 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Sequential therapy of acute lymphatic leukemia in adults.
- P02CA-08832-08 0086 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Therapy of adult acute myelogenous leukemia.
- P02CA-08832-08 0087 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Daunomycin-prednisone therapy in erythroleukemia (human).
- P02CA-08832-08 0088 (CAP) BLOOMFIELD, C. An integrated study of advanced malignant diseases—Immunology of lymphoma and Hodgkin's (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-08832-08 0069 (CAP) KIANG, D. An integrated study of advanced malignant diseases—Mithramycin, lysosomal enzymes and bone resorption.

P02CA-08832-08 0090 (CAP) KIANG, D. An integrated study of advanced malignant diseases—Influenza factors on mithramycin.

P02CA-08832-08 0091 (CAP) KIANG, D. An integrated study of advanced malignant diseases—Androgen and granulocyte reserve.

P02CA-08832-08 0092 (CAP) KIANG, D. An integrated study of advanced malignant diseases—Androgens for multiple myeloma.

P02CA-08832-08 0092 (CAP) KIANG, D. An integrated study of advanced malignant diseases—Combination chemotherapy in multiple myeloma (human).

P02CA-08832-08 0094 (CAP) THEOLOGIDES, A. An integrated study of advanced malignant diseases—Synchronous growth of two transplanted tumors in mice.

P02CA-08832-08 0095 (CAP) THEOLOGIDES, A. An integrated study of advanced malignant diseases—Evaluation of reserve function of parathyroid glands.

P02CA-08832-08 0096 (CAP) HILL, J. An integrated study of advanced malignant diseases—Survival of patients with glioblastoma multiforme.

P02CA-08832-08 0097 (CAP) HILL, J. An integrated study of advanced malignant diseases—Advanced lymphoma treatment (human).

P02CA-08832-08 0098 (CAP) WANGNESS, J. An integrated study of advanced malignant diseases—Cooperative study for staging of Hodgkin's.

P02CA-08832-08 0099 (CAP) ROSENE, G. An integrated study of advanced malignant diseases—Circadian chronotherapeutic index.

P02CA-08832-08 0100 (CAP) KRIVIT, W. An integrated study of advanced malignant diseases—Membrane glycosphingolipid hydrolases in leukemic cells.

P02CA-08832-08 0101 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Radiation for adenocarcinoma of the rectum (human).

P02CA-08832-08 0102 (CAP) NESBIT, M. An integrated study of advanced malignant diseases—Acute lymphoblastic and undifferentiated leukemia of childhood.

P02CA-08832-08 0103 (CAP) ZUSMAN, J. An integrated study of advanced malignant diseases—Acute lymphoblastic leukemia.

P02CA-08832-08 0104 (CAP) KERSEY, J. An integrated study of advanced malignant diseases—Acute lymphoblastic leukemia cells with T lymphocyte markers.

P02CA-08832-08 0105 (CAP) ROBACK, A. An integrated study of advanced malignant diseases—Diagnostic open lung biopsy in the critically ill child.

P02CA-08832-08 0106 (CAP) NESBIT, M. An integrated study of advanced malignant diseases—5-Azacytidine—New agent for treating acute leukemia.

P02CA-08832-08 0107 (CAP) KERSEY, J. An integrated study of advanced malignant diseases—Cell-mediated immunity in malignant teratoma (human).

P02CA-08832-08 0108 (CAP) HUMPHREY, G. An integrated study of advanced malignant diseases—Incorporation of tritiated thymidine into peripheral lymphocytes (human).

P02CA-08832-08 0109 (CAP) HUMPHREY, G. An integrated study of advanced malignant diseases—Radiation and chemical therapy of acute lymphoblastic leukemia (human).

P02CA-08832-08 0110 (CAP) NESBIT, M. An integrated study of advanced malignant diseases—Diseases of mononuclear phagocytic cell system—histiocytosis.

P02CA-08832-08 0111 (CAP) SONG, C. W.. An integrated study of advanced malignant diseases—Effect of radiation on PHA induced lymphocyte transformation and replication.

P02CA-08832-08 0112 (CAP) SONG, C. W.. An integrated study of advanced malignant diseases—Cytolytic effect of x-radiation and cell-mediated immune reactions on neoplasms.

P02CA-08832-08 0113 (CAP) WONG, H. An integrated study of advanced malignant diseases—Early vascular changes in x-irradiated Walker carcinoma 256 in rats.

P02CA-08832-08 0114 (CAP) SONG, C. W. An integrated study of advanced malignant diseases—Fractionated radiation and tumor vasculatures.

P02CA-08832-08 0115 (CAP) SONG, C. W. An integrated study of advanced malignant diseases—Vascular changes in neuroblastoma of mice from x-radiation.

P02CA-08832-08 0116 (CAP) KHAN, F. An integrated study of advanced malignant diseases—Physical aspect of whole-body electron radiation (human).

P02CA-08832-08 0117 (CAP) KHAN, F. An integrated study of advanced malignant diseases—Effect of various atomic number absorbers on skin dose for 10MV x-rays.

P02CA-08832-08 0118 (CAP) KHAN, F. An integrated study of advanced malignant diseases—Dosage of moving-strip 10MV x-ray abdominal radiation.

P02CA-08832-08 0119 (CAP) FEOLA, J. An integrated study of advanced malignant diseases—Synergistic effects of iodoacetamide and x-rays.

P02CA-08832-08 0120 (CAP) MOORE, V. An integrated study of advanced malignant diseases—Computer applications in radiation therapy.

P02CA-08832-08 0121 (CAP) WONG, H. An integrated study of advanced malignant diseases—Treating Hodgkin's disease with extended field radiation.

P02CA-08832-08 0122 (CAP) COTMAN, E. H. An integrated study of advanced malignant diseases—Lymphogram as a guide to mode sampling at laparotomy (human).

P02CA-08832-08 0123 (CAP) SMITH, D. G. An integrated study of advanced malignant diseases—Malignancy in family due to childhood radiation.

P02CA-08832-08 0124 (CAP) SMITH, D. G. An integrated study of advanced malignant diseases—Ovary study—Gathering UMH data 1958-1968.

P02CA-08832-08 0125 (CAP) SMITH, D. G. An integrated study of advanced malignant diseases—Vincristine—Radiation synergism (human).

P02CA-08832-08 0126 (CAP) STOFFEL, T. An integrated study of advanced malignant diseases—Results of radiation of genito-urinary tract in leukemia.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-08832-08 0127 (CAP) KIM, T. An integrated study of advanced malignant diseases—Radiation effect on cell mediated cytotoxicity.

P02CA-08832-08 0128 (CAP) KIM, T. An integrated study of advanced malignant diseases—Role of radiation therapy for neuroblastoma.

P02CA-08832-08 0129 (CAP) KIM, T. An integrated study of advanced malignant diseases—Brain necrosis after radiation for acute lymphoblastic leukemia (human).

P02CA-08832-08 0130 (CAP) KIM, T. An integrated study of advanced malignant diseases—Radiation therapy for childhood acute lymphoblastic leukemia.

P02CA-08832-08 0131 (CAP) KEATING, J. An integrated study of advanced malignant diseases—Radiation of hypophysis in prostate cancer (human).

P02CA-08832-08 0132 (CAP) KEATING, J. An integrated study of advanced malignant diseases—High-dose preoperative radiation of osteosarcoma (human).

P02CA-08832-08 0133 (CAP) KEATING, J. An integrated study of advanced malignant diseases—Surgery, chemotherapy and pulmonary radiation in osteosarcoma (human).

P02CA-08832-08 0134 (CAP) KEATING, J. An integrated study of advanced malignant diseases—Total body radiotherapy.

P02CA-08832-08 0135 (CAP) KEATING, J. An integrated study of advanced malignant diseases—LDH changes in patients receiving pulmonary radiation.

P02CA-08832-08 0136 (CAP) KEATING, J. An integrated study of advanced malignant diseases—Palliative radiotherapy for cancer of pancreas.

P02CA-08832-08 0137 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Anti-plasma cell serum (mice).

P02CA-08832-08 0138 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Model systems of immunotherapy in the mouse.

P02CA-08832-08 0139 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Preparation of cell free antigen extracts.

P02CA-08832-08 0140 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Immune capacity of patients in general cancer therapy.

P02CA-08832-08 0141 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Immune capacity of patients to their own tumors.

P02CA-08832-08 0142 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Antibody response to tumors by cytotoxicity of antibody and complement (human).

P02CA-08832-08 0143 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Model systems for in vitro immunization for immunotherapy.

P02CA-08832-08 0144 (CAP) MCKHANN, C. An integrated study of advanced malignant diseases—Clinical immunotherapy of solid tumors.

P02CA-08832-08 0145 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Phase II evaluation of BCNU-NSC-409962 in patients.

P02CA-08832-08 0146 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Diagnostic and surgical aspects of insulinoma.

P02CA-08832-08 0147 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Chemotherapy of carcinoma of colon and rectum.

P02CA-08832-08 0148 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—5-Fu as adjuvant therapy to surgery.

P02CA-08832-08 0149 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Evaluation of azaserine in the treatment of advanced solid tumors.

P02CA-08832-08 0150 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Four and five drug combination therapy in metastatic breast cancer (human).

P02CA-08832-08 0151 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—CCNU for advanced solid tumors (human).

P02CA-08832-08 0152 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Adriamycin for a variety of solid tumors (human).

P02CA-08832-08 0153 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—5-Fu for advanced breast and colorectal cancer (human).

P02CA-08832-08 0154 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Hexamethylmelamine, dibromodulcitol, and cyclophosphamide for lung cancer.

P02CA-08832-08 0155 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Imidazole carboxamide as adjuvant to surgery for melanoma (human).

P02CA-08832-08 0156 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Combination chemotherapy for pancreatic carcinoma.

P02CA-08832-08 0157 (CAP) GRAGE, T. An integrated study of advanced malignant diseases—Imidazole carboxamide for melanoma (human).

R01CA-08851-11 (VR) STROHL, WILLIAM A, RUTGERS MEDICAL SCHOOL, P O BOX 101, PISCATAWAY, N. J. Viral carcinogenesis and latency.

R10CA-08855-08 (CCI) YANKEE, RONALD A, CHILDRENS CANCER RES FDN, INC, 35 BINNEY STREET, BOSTON, MASS. Procurement of fresh blood platelets for clinical use (human, rats).

R01CA-08856-08 (UMB) PREHN, RICHMOND T, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVE, FOX CHASE, PHILADELPHIA, PA. Mechanisms of carcinogenesis (primates, mice, amphibians).

R01CA-08857-09 (PTH) HASS, GEORGE M, RUSH-PRESBY-ST LUKES MED CTR, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Urinary bladder carcinogenesis in man and animal (rabbits).

R10CA-08859-08 (CCI) FREIREICH, EMIL J, UNIV OF TEX SYSTEM CANCER CTR, MD ANDERSON HOSP & TUMOR INST, HOUSTON, TEX. Leukemia center (platelets) program—SWG.

R01CA-08893-07 (MBY) MUNRO, HAMISH N, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVE, CAMBRIDGE, MASS. Protein synthesis in normal and malignant cells (rats).

R01CA-08930-06 (VR) IMAGAWA, DAVID T, HARBOR GENERAL HOSPITAL, 1000 W CARSON STREET, TORRANCE, CALIF. Morphological conversion with leukemia viruses (mice).

R01CA-08936-08 (PTH) GHIRARDI, ANTHONY J, WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Effect of chemical carcinogens on cells in vitro (human, rodents, viruses).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01CA-08964-08 (BJO) RACKER, EFRAM, CORNELL UNIVERSITY, WING HALL, ITHACA, N. Y. Energy metabolism in normal and tumor cells (cattle, plants, microorganisms).

R10CA-08968-07 (CCI) VIANONTE, MANUEL, JR, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Hodgkins disease protocol.

R10CA-08970-08 (CCI) RAPPAPORT, HENRY, UNIVERSITY OF CHICAGO, 950 E 59TH ST, CHICAGO, ILL. Pathology center for lymphoma clinical trial studies (human).

R01CA-08975-08 (VR) METZGAR, RICHARD S, DUKE UNIVERSITY MEDICAL CENTER, BOX 2990, DURHAM, N. C. Effect of tumor virus on antigen constitution of cells (monkeys, human).

R01CA-08976-08 (ET) ROTHENBERG, SHELDON P, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVENUE, NEW YORK, N. Y. Folate reductase induction, suppression, therapeutics (human, rabbits, bacteria).

R01CA-09247-22 (NSS) CRECH, HUGH J, 7701 BURHOLME AVENUE, PHILADELPHIA, PA, PHILADELPHIA, PA. Partial subsidy for the journal Cancer Research.

R01CA-09599-16 (PTHA) WATTENBERG, LEE W, UNIVERSITY OF MINNESOTA, 198 JACKSON HALL, MINNEAPOLIS, MINN. Histochemical and quantitative studies of neoplasia.

R01CA-09599-16 0001 (PTHA) WATTENBERG, LEE W. Histochemical and quantitative studies of neoplasia—Benzpyrene hydroxylase activity after chronic exposure to benzpyrene (mice).

R01CA-09599-16 0002 (PTHA) WATTENBERG, LEE W. Histochemical and quantitative studies of neoplasia—Induction of polycyclic hydrocarbon hydroxylase and carcinogenesis (mice).

R01CA-09599-16 0003 (PTHA) WATTENBERG, LEE W. Histochemical and quantitative studies of neoplasia—Dietary factors affecting polycyclic hydrocarbon hydroxylase (mice).

R01CA-10000-08 (VR) FRIEND, CHARLOTTE, MOUNT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Filterable agents and tumor induction in mice.

Y01CA-10005-64 (NONE) ATOMIC ENERGY COMMISSION, WASHINGTON, DC. Chemical profile of body fluids (human).

R01CA-10017-08 (ET) BRYAN, GEORGE T, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Factors influencing bladder carcinogenesis (human, rats, mice, hamsters, dogs).

R01CA-10018-08 (ALY) SCHWARTZ, ROBERT S, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Transplantation disease and leukemia (mice, viruses).

R10CA-10042-07 (CCI) BODEY, GERALD P, UNIV OF TEXAS, 6723 BERTNER DRIVE, HOUSTON, TEX. Protected environment and cancer chemotherapy (human, dogs).

R10CA-10044-08 (CCI) HENDERSON, EDWARD S, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Chemotherapy of man in a protected environment (human).

R01CA-10052-09 (PTHB) ANDERSON, HARRISON C, S U N Y - DOWNSTATE MED CTR, BOX 25, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Cartilage and bone formation induced by FL calls (mice, rats, chick embryo).

R01CA-10055-08 (VR) KOZINSKI, ANDRZEJ W, UNIVERSITY OF PENNSYLVANIA, 37TH & HAMILTON WALK, PHILADELPHIA, PA. Interaction of viruses with host chromosomes.

R01CA-10056-09 (ALY) SOLOMON, ALAN, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Proteins in multiple myeloma and related blood diseases (human).

R01CA-10064-12 (END) HOLLANDER, VINCENT P, HOSP FOR JOINT DIS & MED CTR, 1919 MADISON AVENUE, NEW YORK, N. Y. Hormonally sensitive tumors (mice, rats).

R01CA-10095-07 (GEN) SILAGI, SELMA, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N. Y. Gene action and cellular differentiation in culture (mice, human).

R01CA-10097-07 (ALY) PALM, JOY E, THE WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Cellular antigens of normal and malignant rat tissues.

R01CA-10126-08 (SSS) BLACK, PAUL H, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Mechanisms of transformation by oncogenic viruses.

R01CA-10129-08 (UMB) TOKUDA, SEI, UNIVERSITY OF NEW MEXICO, DEPT OF MICROBIOLOGY, ALBUQUERQUE, N. MEX. Immunological enhancement of sarcoma I tumor cells (mice).

R01CA-10130-09 (PTHA) NISHIMURA, EDWIN T, UNIVERSITY OF HAWAII, 1960 EAST-WEST ROAD, HONOLULU, HAWAII. Catalase isozymes in normal and neoplastic tissues (human, quails).

R01CA-10137-08 (VR) WEISSMAN, SHERMAN M, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Structure of virus and low molecular weight RNA.

R01CA-10148-08 (VR) DOUGHERTY, ROBERT M, 766 IRVING AVENUE, SYRACUSE, N. Y. Avian leukosis-sarcoma viruses.

R01CA-10167-08 (ET) THOMAS, EDWARD D, U S PUBLIC HEALTH HOSPITAL, 1131 - 14TH AVE SOUTH RM 1021, SEATTLE, WASH. Separation of blood by continuous flow centrifuge (primates, dogs, human).

R01CA-10171-09 (MBY) INOUE, SHINYA, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Submicroscopic structure of living cells (marine biology).

R10CA-10186-08 (CCI) LINMAN, JAMES W, UNIVERSITY OF OREGON, 3181 SW SAM JACKSON PARK ROAD, PORTLAND, OREG. Western cancer study group.

R10CA-10187-06 (CCI) BONNET, JOHN D, SCOTT & WHITE CLINIC, 2401 SOUTH 31ST STREET, TEMPLE, TEX. Southwest cancer chemotherapy cooperative study group.

R01CA-10188-08 (UMB) HELLSTROM, KARL E, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PATHOLOGY, SEATTLE, WASH. Lymphocyte allogeneic inhibition and tumor immunity (mice, rats).

R01CA-10189-08 (UMB) HELLSTROM, INGEGERD E, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MICROBIOLOGY, SEATTLE, WASH. Transplantation antigenicity of virus induced tumors (human, mice).

R01CA-10197-08 (VR) BALUDA, MARCEL A, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Tumor induction by avian myeloblastosis virus.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R10CA-10198-07 (CCI) LAHEY, MARION E, UNIVERSITY OF UTAH MEDICAL CEN, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Childrens cancer study group A (human).

R01CA-10220-06 (MCHA) YANG, NIEN-CHU C, UNIVERSITY OF CHICAGO, DEPARTMENT OF CHEMISTRY, CHICAGO, ILL. Radiation chemistry of nucleic acids and nucleoproteins.

R01CA-10232-06 (VR) EBDINOFF, MAXWELL L, QUEEN COLLEGE CITY UNIV OF NY, 65-30 KISSENA BOULEVARD, FLUSHING, NY. Tumor virus proteins—Studies with specific antisera (rabbits).

R01CA-10230-08 (PHRB) FONDY, THOMAS P, SYRACUSE UNIVERSITY, LYMAN HALL, SYRACUSE, N. Y. 13210. Glycerol-P dehydrogenase in differentiation and cancer (rodents, rabbits, rats).

R01CA-10267-08 (UMB) ROSE, WIENDELL F, DUKE UNIVERSITY, DURHAM, N. C. Immunological lysis in neoplastic disease (human).

R01CA-10273-06 (PTHB) JOACHIM, HARRY L, COLUMBIA UNIVERSITY, COLL OF PHYSICIANS & SURGEONS, NEW YORK, N. Y. Leukemogenesis in rats and guinea pigs (also mice).

R01CA-10286-06 (PTHA) HOLLAND, JAMES M, NORTHWESTERN UNIV MED SCH, 303 EAST CHICAGO AVE, CHICAGO, ILL. Hormone dependent urogenital tumors in rodents (mastomys, hamsters).

R01CA-10298-06 (PHRB) MIZUNO, NOBUKO S, VETERANS ADMINISTRATION HOSP, EXPERIMENTAL SURGERY LAB, MINNEAPOLIS, MINN. Binding of antitumor agents to DNA.

R01CA-10337-08 (BBCB) GRIFFITH, O HAYES, UNIV OF OREGON, INST OF MOLECULAR BIOLOGY, EUGENE, OREG. Spin labeling and membrane structure.

R01CA-10337-08 0001 (BBCB) VAN, SHUI PONG. Spin labeling and membrane structure—Spin labeling as a quantitative tool for membrane structure.

R01CA-10337-08 0002 (BBCB) BURRELL, G BRUCE. Spin labeling and membrane structure—Current interpretations of ESR spectra by use of organic inclusion crystals.

R01CA-10337-08 0002 (BBCB) JOST, PATRICIA C. Spin labeling and membrane structure—Effect of osmium tetroxide on motion along fatty acid drains (lobster, mice).

R01CA-10337-08 0004 (BBCB) JOST, PATRICIA C. Spin labeling and membrane structure—Alterations of membranes by uranyl acetate and glutaraldehyde.

R01CA-10337-08 0006 (BBCB) JOST, PATRICIA C. Spin labeling and membrane structure—Structure of cytochrome oxidase-phospholipid membranous vesicles.

R01CA-10337-08 0007 (BBCB) JOST, PATRICIA C. Spin labeling and membrane structure—Fluidity of membranes of cells transformed by oncogenic viruses (mice).

R01CA-10367-06 (CBY) CASTOR, LAROY N, THE INST FOR CAN RES, 7701 BURHOLME AVE, FOX CHASE, PHILADELPHIA, PA. Cell properties related to mitotic control in vitro.

P01CA-10372-07 (CAP) KAPLAN, HENRY S, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Radiobiology-oncology research program.

R10CA-10376-07 (CCI) FREIREICH, EMIL J, UNIV OF TEXAS M D ANDERSON HOS, 6723 BERTNER AVE, HOUSTON, TEX. Southwest cancer chemotherapy study group.

R10CA-10378-08 (CCI) SLACK, NELSON H, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Gynecologic oncology group statistical service.

R10CA-10379-06 (CCI) GOTTLIEB, JEFFREY A, UNIVERSITY OF TEXAS, 6723 BERTNER AVE, HOUSTON, TEX. Southwest cancer chemotherapy study group.

R10CA-10382-08 (CCI) HARTMANN, JOHN R, CHILDRENS ORTHOPEDIC HOSP, 4800 SAND POINT WAY N E, SEATTLE, WASH. Childrens cancer study group A.

R01CA-10401-06 (UMB) BRODEY, ROBERT S, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Immunologic studies of canine neoplasia.

R01CA-10408-07 (END) MEY, ROBERT L, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N. C. Adrenal cortical physiology and pharmacology (human, rats).

R01CA-10410-08 (RAD) BEDFORD, JOEL S, VANDERBILT UNIVERSITY HOSPITAL, DIVISION OF RADIOTHERAPY, NASHVILLE, TENN. Dose-time factors influencing cellular radiosensitivity (mammals).

R01CA-10419-06 (MBY) AMBELLAN, ELISABETH H, UNIVERSITY OF CONNECTICUT, BOX U-125, STORRS, CONN. Different responses of cells to glucocorticoids (rats, mice, human).

P02CA-10438-08 (CAP) CONCANNON, JOSEPH P, ALLEGHENY GENERAL HOSPITAL, 320 EAST NORTH AVENUE, PITTSBURGH, PA. Clinical radiation therapy research center.

P02CA-10438-08 0007 (CAP) OKUNIEWICK, JAMES P. Clinical radiation therapy research center—Hematopoietic viral oncogenesis study group (mice).

P02CA-10438-08 0010 (CAP) LESHER, SAMUEL. Clinical radiation therapy research center—Cell kinetics (mice, human).

P02CA-10438-08 0011 (CAP) SCHIFFER, LEWIS M. Clinical radiation therapy research center—Kinetics of lymphocytes in human tumors.

P02CA-10438-08 0024 (CAP) CONCANNON, JOSEPH P. Clinical radiation therapy research center—CEA antigen (human).

P02CA-10438-08 0025 (CAP) CONCANNON, JOSEPH P. Clinical radiation therapy research center—Blocking factors in immuno-surveillance of lung neoplasms.

P02CA-10438-08 0026 (CAP) ENG, CHEE PING. Clinical radiation therapy research center—Immunoprotection with attenuated mouse tumor cells (also human, tissue culture).

P02CA-10438-08 0029 (CAP) SUMMERS, RE. Clinical radiation therapy research center—Radiologic physics.

P02CA-10438-08 0030 (CAP) FRICH, JOHN C JR. Clinical radiation therapy research center—Urinary cholesterol as a diagnostic tool.

P02CA-10438-08 0031 (CAP) DALBOW, MILTON H. Clinical radiation therapy research center—Tumor immunotherapy with in vitro armed macrophages (human).

P02CA-10438-08 0032 (CAP) WATERS, HAROLD. Clinical radiation therapy research center—Immunogenetics of human leukemias.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-10438-08 0033 (CAP) CONCANNON, JOSEPH P. Clinical radiation therapy research center-Immunological enhancement of human malignant tumors.

P02CA-10438-08 0034 (CAP) ENG, CHEE PING. Clinical radiation therapy research center-Immunoprotection with attenuated mouse tumor cells (mice).

R10CA-10456-07 (CCI) GLIDEWELL, OLIVER. ACUTE LEUKEMIA OPERATIONS OFF, 651 ELM STREET, BUFFALO, N. Y. Acute leukemia group B operations office.

R01CA-10467-07 (VR) ROBINSON, WILLIAM S, STANFORD UNIVERSITY, DEPT OF MEDICINE, STANFORD, CALIF. Biochemical events after tumor virus infection.

R01CA-10478-07 (HEAM) RUBIN, ARNOLD D, MOUNT SINAI SCHOOL OF MEDICINE, 19 EAST 98 STREET, NEW YORK, N. Y. Lymphocyte proliferation in lymphocytic leukemia.

R01CA-10494-07 (MCHB) BOBBITT, JAMES M, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF CHEMISTRY, STORRS, CONN. Chemical studies of potential anticancer agents.

R01CA-10495-07 (MCHA) GOLDSTEIN, MELVIN J, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N. Y. New frameworks for chemotherapeutic design.

R01CA-10515-07 (PTHB) GREENBERG, MICHAEL L, MOUNT SINAI SCH OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Kinetics of cell turnover in leukemia (human, mice).

R01CA-10537-05 (PHRB) REGELSON, WILLIAM, MED COLLEGE OF VIRGINIA, MCY BOX 273, RICHMOND, VA. RES function, tumor induction and growth (mice).

R10CA-10572-06 (CCI) REGELSON, WILLIAM, MEDICAL COLLEGE OF VIRGINIA, POST OFFICE BOX 273, RICHMOND, VA. Eastern cooperative oncology group.

R01CA-10586-07 (MBY) LEBOW, PHOEBE S, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA. tRNA methylases in normal and neoplastic tissue.

R01CA-10594-07 (VR) TAN, KONG B, WSTAR INSTITUTE, 36TH & SPRUCE STREETS, PHILADELPHIA, PA. Regulatory processes in tumor virus-infected cells.

R01CA-10604-07 (ET) LOTLIKAR, PRABHAKAR D, TEMPLE UNIVERSITY SCH OF MED, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Carcinogenesis by aromatic amides (hamsters, rats).

R01CA-10619-06 (MBY) KLEVEZC, ROBERT R, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Synchronized cells-Controls in growth and division (hamsters).

R01CA-10628-07 (PC) MC LAUGHLIN, CALVIN S, UNIVERSITY OF CALIFORNIA, DEPT OF MOLECULAR & CELL BIOL, IRVINE, CALIF. Structure and function of ribosomes (mammals, yeast).

R01CA-10641-08 (VR) ROBERTS, WALDEN K, UNIVERSITY OF COLORADO, 4200 E NINTH AVE, DENVER, COLO. RNA synthesis in animal cells infected with ME virus.

R01CA-10653-07 (MCHA) OLSEN, RICHARD K, UTAH STATE UNIVERSITY, DEPT OF CHEMISTRY & BIOCHEM, LOGAN, UTAH. The synthesis of quinoxaline antibiotics.

R01CA-10661-07 (SGYA) GROSSI, CARLO E, ST VINCENT'S HOSPITAL, 153 WEST 11TH STREET, NEW YORK, N. Y. Surgical treatment of colo-rectal cancer, new technique (human).

R01CA-10665-07 (ET) MORRIS, N RONALD, RUTGERS MEDICAL SCHOOL, DEPT OF PHARM, P O BOX 101, PISCATAWAY, N. J. Base analogs and template activity (bacteria).

R01CA-10666-07 (SSS) GROLLMAN, ARTHUR P, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Molecular pharmacology of tumor and virus inhibitors.

R01CA-10666-07 0001 (SSS) HORWITZ, SUSAN B. Molecular pharmacology of tumor and virus inhibitors-Arthramycin (E coli).

R01CA-10666-07 0002 (SSS) HORWITZ, SUSAN B. Molecular pharmacology of tumor and virus inhibitors-Camptothecin (viruses, mammals).

R01CA-10666-07 0003 (SSS) HUANG, M T. Molecular pharmacology of tumor and virus inhibitors-Ricin.

R01CA-10666-07 0004 (SSS) GROLLMAN, ARTHUR P. Molecular pharmacology of tumor and virus inhibitors-Aurintricarboxylic acid and related triphenylmethane dyes (hela cells, e coli).

R01CA-10666-07 0005 (SSS) BLAIR, M L. Molecular pharmacology of tumor and virus inhibitors-Gliotoxin and related compounds (polio virus).

R01CA-10666-07 0006 (SSS) BLAIR, M L. Molecular pharmacology of tumor and virus inhibitors-Hydroxybenzylbenzimidazole.

R01CA-10668-06 (END) ROTH, SANFORD I, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. The parathyroid glands in neoplastic disease (human, rats, cattle).

R01CA-10671-07 (PTHB) HOKAMA, YOSHITSUGI, UNIVERSITY OF HAWAII, 1960 EAST WEST ROAD, HONOLULU, HAWAII. Catalase-C-reactive protein biochemistry in cancer (human, mice, rabbits).

R01CA-10697-08 (PTHB) MOSCOVICI, CARLO, VETERANS ADMINISTRATION HOSP, TUMOR VIROLOGY, GAINESVILLE, FLA. Specificity of avian myeloblastosis virus.

R01CA-10712-07 (PTHB) BRAND, GERHARD K, UNIVERSITY OF MINNESOTA, BOX 196 MAYO, MINNEAPOLIS, MINN. Foreign body tumorigenesis (mice).

R01CA-10714-07 (RAD) LETT, JOHN T, COLORADO STATE UNIVERSITY, BIOPHYSICAL SCIENCES BUILDING, FORT COLLINS, COLO. Repair of radiation damage to cellular DNA (hamsters).

R10CA-10728-07 (CCI) WASSERMAN, LOUIS R, MT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Polycythemia vera study group central office.

R01CA-10729-07 (PTHB) MORRIS, HAROLD P, HOWARD UNIVERSITY, 520 W STREET, NORTHWEST, WASHINGTON, D C. Induction-Characterization-Minimal deviation hepatomas (rats).

R01CA-10735-07 (PHRB) HUGHES, WALTER L, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Population kinetics of tumors in vivo.

R01CA-10737-10 (MCHB) DENNEY, DONALD B, RUTGERS UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW BRUNSWICK, N. J. Reactions of organophosphorus compounds.

R01CA-10742-06 (MCHA) FREEMAN, JEREMIAH P, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. The chemistry of N-dihydroxyprazolones.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-10748-07 (CAP) HANDSCHUMACHER, ROBERT E, YALE UNIVERSITY, 155 WHITNEY AVENUE, NEW HAVEN, CONN. Cancer chemotherapy program.

P01CA-10748-07 0001 (CAP) HANDSCHUMACHER, ROBERT E. Cancer chemotherapy program-Pharmacological and therapeutic aspects of L-asparaginase (human, mice).

P01CA-10748-07 0002 (CAP) BERTINO, JOSEPH R. Cancer chemotherapy program-Mechanism of action of folate antagonists (human, mice).

P01CA-10748-07 0003 (CAP) CANELLAKIS, EVANGELO S. Cancer chemotherapy program-Induction of ornithine decarboxylase in rat liver.

P01CA-10748-07 0004 (CAP) GREENGARD, PAUL. Cancer chemotherapy program-GAMP in neural tumors (tissue culture).

P01CA-10748-07 0005 (CAP) PRUSOFF, WILLIAM H. Cancer chemotherapy program-Radiation sensitizing effects of 5-iodo-2'-deoxyuridine (tissue culture).

P01CA-10748-07 0006 (CAP) SARTORELLI, ALAN C. Cancer chemotherapy program-Effects of nucleotides and analogs on IMP dehydrogenase (rats, dogs, human).

P01CA-10748-07 0007 (CAP) AGRAWAL, KRISHNA C. Cancer chemotherapy program-Synthesis of antineoplastic agents.

P01CA-10748-07 0008 (CAP) COWARD, JAMES K. Cancer chemotherapy program-Enzyme-catalyzed and non-enzymic methylation reactions.

P01CA-10748-07 0009 (CAP) EISENFELD, ARNOLD J. Cancer chemotherapy program-Interaction of radioactive estrogens, androgens and progestins (mice, human).

P01CA-10748-07 0010 (CAP) GOZ, BARRY. Cancer chemotherapy program-Antiviral activity of 5-iodo-2'-deoxyuridine (human, mice, hamsters).

P01CA-10748-07 0011 (CAP) MITCHELL, MALCOLM S. Cancer chemotherapy program-Immunosuppression by antimetabolites and tumor immunology (human, rats, mice).

P01CA-10748-07 0012 (CAP) SCHENRMAN, JOHN B. Cancer chemotherapy program-Metabolism (rats).

P01CA-10748-07 0013 (CAP) SUMMERS, WILMA P. Cancer chemotherapy program-Investigation of asparaginase and asparagine analogs (tissue culture, mice).

P01CA-10748-07 0014 (CAP) CHANG, PAULINE K. Cancer chemotherapy program-Synthesis of asparagine analogs.

R01CA-10771-07 (END) MEITES, JOSEPH, MICHIGAN STATE UNIVERSITY, DEPT OF PHYSIOLOGY, EAST LANSING, MICH. Neuroendocrine control of mammary and pituitary tumors (rats, mice, dogs).

R01CA-10777-06 (IMB) FEFER, ALEXANDER, USPHS HOSPITAL-ROOM 1021, 1131 14TH AVENUE SOUTH, SEATTLE, WASH. Immunologic aspects of a autochthonous tumor regression (mice).

P01CA-10797-02 (NSS) KRAMER, SIMON, THOMAS JEFFERSON UNIV HOSPITAL, 1025 WALNUT STREET, PHILADELPHIA, PA. Establishment of a clinical radiation therapy research unit.

R01CA-10802-07 (VR) HOLLAND, JOHN J, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Synthesis in normal virus-infected and tumor cells (human, mice).

R01CA-10810-07 (COM) ZELEN, MARVIN, STATE UNIVERSITY OF NEW YORK, 4230 RIDGE LEA ROAD, AMHERST, N. Y. Statistical models of biomedical phenomena.

P01CA-10815-06 (CAP) KOPROWSKI, HILARY, THE WSTAR INSTITUTE, 36 AND SPRUCE STREETS, PHILADELPHIA, PA. Consolidated basic cancer research program.

P01CA-10815-06 0002 (CAP) MANSON, LIONEL A. Consolidated basic cancer research program-Purify mouse histocompatibility antigens.

P01CA-10815-06 0003 (CAP) PALM, JOY E. Consolidated basic cancer research program-Define specific major and minor histocompatibility antigens (rats).

P01CA-10815-06 0004 (CAP) PALM, JOY E. Consolidated basic cancer research program-Dynamics of specific histocompatibility antigen expression (mammals).

P01CA-10815-06 0005 (CAP) PALM, JOY E. Consolidated basic cancer research program-Maternal-fetal histocompatibility antigen (mammals).

P01CA-10815-06 0006 (CAP) MANSON, LIONEL A. Consolidated basic cancer research program-Nature of immunogenetic interrelationships (mice).

P01CA-10815-06 0007 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Characterize antigens of virus transformed cells (human, laboratory animals).

P01CA-10815-06 0008 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Isolate and characterize T antigen (human, hamsters, mice).

P01CA-10815-06 0009 (CAP) GIBARDI, ANTHONY J. Consolidated basic cancer research program-Transplantation antigens and genomic expression of oncomavirus (mice).

P01CA-10815-06 0010 (CAP) GIRARDI, ANTHONY J. Consolidated basic cancer research program-Immunization with fetal tissue (hamsters).

P01CA-10815-06 0011 (CAP) GIRARDI, ANTHONY J. Consolidated basic cancer research program-Cell-free SV40-induced transplantation antigen (hamsters).

P01CA-10815-06 0012 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-SV40 virus-induced growth of macrophage clones (rabbits).

P01CA-10815-06 0013 (CAP) MANSON, LIONEL A. Consolidated basic cancer research program-Primary response to transplantation antigens (laboratory animals).

P01CA-10815-06 0014 (CAP) MANSON, LIONEL A. Consolidated basic cancer research program-Techniques to enrich or deplete lymphocyte populations (laboratory animals).

P01CA-10815-06 0015 (CAP) PALMER, JON C. Consolidated basic cancer research program-Cell division as related to humoral and cellular immune response (mammals).

P01CA-10815-06 0016 (CAP) CLARK, H FRED. Consolidated basic cancer research program-Characterize immune response to tumor-associated virus (amphibians, fish).

P01CA-10815-06 0017 (CAP) GIRARDI, ANTHONY J. Consolidated basic cancer research program-Immunotherapeutic and immunoprophylactic techniques in canine and murine tumors.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1CA-10815-06 0020 (CAP) MANSON, LIONEL A. Consolidated basic cancer research program-Enhancement of lymphoblast tumor growth in DBA/2 mice.

PO1CA-10815-06 0021 (CAP) TAN, KONG BENG. Consolidated basic cancer research program-SV40 infection mechanisms (human, mice).

PO1CA-10815-06 0022 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Cellular and viral factors in integration of the viral genome (hamsters).

PO1CA-10815-06 0023 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Mechanisms associated with integration of SV40 DNA (mammals).

PO1CA-10815-06 0024 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Polyploid formation (hamsters, mice).

PO1CA-10815-06 0025 (CAP) SOKOL, FRANTISEK. Consolidated basic cancer research program-Cell-free system to study viral DNA (monkeys).

PO1CA-10815-06 0026 (CAP) SOKOL, FRANTISEK. Consolidated basic cancer research program-Relationship between SV40 integration and cellular DNA repair (monkeys).

PO1CA-10815-06 0027 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Functions of viral genome in SV40 transformed cells (human, monkeys).

PO1CA-10815-06 0028 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Selection of lethal mutants of SV40 (mammals).

PO1CA-10815-06 0029 (CAP) SOKOL, FRANTISEK. Consolidated basic cancer research program-Regulation and transcription of free and integrated SV40 genome (monkeys).

PO1CA-10815-06 0030 (CAP) SOKOL, FRANTISEK. Consolidated basic cancer research program-Transcription of RNA tumor virus genomes into complementary DNA.

PO1CA-10815-06 0033 (CAP) CLARK, H FRED. Consolidated basic cancer research program-Oncogenic transformation in poikilothermic vertebrate cells or viruses.

PO1CA-10815-06 0034 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Interaction of SV40 and Py DNA with the cellular genome (human, mice, hamsters).

PO1CA-10815-06 0036 (CAP) CLARK, H FRED. Consolidated basic cancer research program-Phylogenetic range of naturally occurring oncoviruses (reptiles).

PO1CA-10815-06 0037 (CAP) GIRARDI, ANTHONY J. Consolidated basic cancer research program-Isolate viruses from human sarcomas and leukemias.

PO1CA-10815-06 0038 (CAP) GIRARDI, ANTHONY J. Consolidated basic cancer research program-Viruses in cells from canine tumors.

PO1CA-10815-06 0041 (CAP) DIAMOND, LEILA. Consolidated basic cancer research program-Identify carcinogenic metabolites of chemical carcinogens (mammals).

PO1CA-10815-06 0042 (CAP) CLARK, H FRED. Consolidated basic cancer research program-Phylogenetic limits of oncogenesis (mammals, birds, reptiles, fish, insects).

PO1CA-10815-06 0043 (CAP) DIAMOND, LEILA. Consolidated basic cancer research program-Interrelationship between chemical carcinogens and RNA tumor viruses (rats, mice).

PO1CA-10815-06 0044 (CAP) DIAMOND, LEILA. Consolidated basic cancer research program-Effects of chemical carcinogens on tumor viruses (rodents).

PO1CA-10815-06 0045 (CAP) MAUL, GERD. Consolidated basic cancer research program-Oncogenic viruses and embryogenesis (mice).

PO1CA-10815-06 0046 (CAP) MAUL, GERD. Consolidated basic cancer research program-Structural changes in chromatin of spermiogenic cells (mammals).

PO1CA-10815-06 0047 (CAP) WHITTAKER, J RICHARD. Consolidated basic cancer research program-Morphogenetic substances in early embryogenesis (ascidians).

PO1CA-10815-06 0048 (CAP) CAMPBELL, GRAHAM LE M. Consolidated basic cancer research program-Regulatory mechanisms of Hb, protein, RNA and DNA synthesis (chick embryo).

PO1CA-10815-06 0049 (CAP) SILER, JACK G. Consolidated basic cancer research program-Macromolecular synthesis as a function of nutrient levels (human).

PO1CA-10815-06 0050 (CAP) SILER, JACK G. Consolidated basic cancer research program-Protein initiation in reovirus mRNA (human cells).

PO1CA-10815-06 0051 (CAP) WHITTAKER, J RICHARD. Consolidated basic cancer research program-Effects of radiolabeled thiouracil on survival of melanoma cells (hamsters).

PO1CA-10815-06 0052 (CAP) WHITTAKER, J RICHARD. Consolidated basic cancer research program-Melanotic differentiation in normal and malignant pigment cells.

PO1CA-10815-06 0053 (CAP) LEVINE, ELLIOT M. Consolidated basic cancer research program-Cellular interaction on regulation of macromolecular synthesis.

PO1CA-10815-06 0054 (CAP) LEVINE, ELLIOT M. Consolidated basic cancer research program-Growth, differentiation and tumorigenesis of neuronal elements (mice).

PO1CA-10815-06 0055 (CAP) CROCE, CARLO M. Consolidated basic cancer research program-Fusion factors effective in heterokaryonization (human, mice, hamsters).

PO1CA-10815-06 0056 (CAP) CROCE, CARLO M. Consolidated basic cancer research program-Optimal pH of the medium for fusion of cells (human, mice).

PO1CA-10815-06 0057 (CAP) CAMPBELL, GRAHAM LE M. Consolidated basic cancer research program-SV40-induced polyploidy (hamsters).

PO1CA-10815-06 0058 (CAP) MAUL, GERD. Consolidated basic cancer research program-Species-specific loss of chromosomes in hybrid cells, mice, hamsters).

PO1CA-10815-06 0059 (CAP) KOPROWSKI, HILARY. Consolidated basic cancer research program-Genetic linkage between oncornaviruses and mammalian chromosomes (human, mice).

PO1CA-10815-06 0060 (CAP) CROCE, CARLO M. Consolidated basic cancer research program-Production of abnormal proteins in hybrid cells (human, mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1CA-10015-06 0061 (CAP) KOPROWSKI, HILARY. Consolidated basic cancer research program-Hybridization between tumor and normal host cells.

PO1CA-10815-06 0062 (CAP) KNOWLES, BARBARA B. Consolidated basic cancer research program-Expression of cell surface antigens in hybrid cells (human, mice).

PO1CA-10315-06 0063 (CAP) DEFENDI, VITTORIO. Consolidated basic cancer research program-Properties of macrophage growth factor derived from L cells (human).

PO1CA-10815-06 0064 (CAP) DIAMOND, LEILA. Consolidated basic cancer research program-Tumor promoters effect on normal and transformed cells (human).

PO1CA-10815-06 0065 (CAP) ROTHBLAT, GEORGE H. Consolidated basic cancer research program-Significance of sterol precursors accumulation by glioblastomas (mice).

PO1CA-10815-06 0066 (CAP) ROTHBLAT, GEORGE H. Consolidated basic cancer research program-Enzymatic reduction of cholesterol precursors (human, mouse cells).

PO1CA-10815-06 0067 (CAP) ROTHBLAT, GEORGE H. Consolidated basic cancer research program-Isolate sterol-requiring mutants of mammalian cells.

PO1CA-10815-06 0068 (CAP) ROTHBLAT, GEORGE H. Consolidated basic cancer research program-Role of sterols in membrane synthesis of RNA viruses.

PO1CA-10815-06 0069 (CAP) CRISTOFALO, VINCENT J. Consolidated basic cancer research program-Senescence and transformation in steroid-influenced cell growth (cell culture).

PO1CA-10815-06 0070 (CAP) CRISTOFALO, VINCENT J. Consolidated basic cancer research program-Structure-function relationships of lysosomes (mammals).

PO1CA-10815-06 0071 (CAP) CRISTOFALO, VINCENT J. Consolidated basic cancer research program-Biochemical modification of histones during senescence (human).

PO1CA-10815-06 0072 (CAP) DIAMOND, LEILA. Consolidated basic cancer research program-Clone cell properties-virus and chemical transformation (human, hamsters).

PO1CA-10815-06 0080 (CAP) HALPERN, MICHAEL. Consolidated basic cancer research program-Viral protein in avian sarcoma virus-infected cells.

RO1CA-10819-06 (ET) SEGALOFF, ALBERT, ALTON OCHSNER MEDICAL FDN, 1520 JEFFERSON HIGHWAY, NEW ORLEANS, LA. Synthesis and study of anti-tumor and endocrine agents (rats).

RO1CA-10844-06 (GMA) ROTH, SANFORD I. MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Comparative histogenesis of hair and squamate skin (reptiles, cyclostomes, mice).

RO1CA-10849-06 (MCHA) BORCH, RICHARD F. UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. The synthesis of natural products for chemotherapy.

RO1CA-10871-07 (BBCA) CHALKLEY, G ROGER. UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Structure and function of chromosomal nucleohistone (animals, bacteria).

RO1CA-10872-07 (BBCA) ISENBERG, IRVIN, OREGON STATE UNIVERSITY, DEPT OF BIOCHEMISTRY & BIOPHYS, CORVALLIS, OREG. Histone interactions and conformation studies.

PO1CA-10893-06 (CAP) BUSCH, HARRIS, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Cancer Research Center.

PO1CA-10893-06 0001 (CAP) BUSH, HARRIS. Cancer Research Center-RNA section (human, rats).

PO1CA-10893-06 0002 (CAP) LANE, MONTAGUE. Cancer Research Center-Clinical Research Section.

PO1CA-10893-06 0003 (CAP) STARBUCK, WESLEY C. Cancer Research Center-Nuclear Protein Section (cattle, rats).

PO1CA-10893-06 0004 (CAP) RO-CHOI, T S. Cancer Research Center-Low molecular weight nuclear RNA.

PO1CA-10893-06 0005 (CAP) SMETANA, KAREL. Cancer Research Center-Electron microscopy of nucleoli and nuclei of cancer cells (human, rats).

PO1CA-10893-06 0006 (CAP) MEDINA, D. Cancer Research Center-Prenoplastic mammary lesions (mice).

PO1CA-10893-06 0007 (CAP) CHOI, YONG C. Cancer Research Center-High molecular weight RNA.

PO1CA-10893-06 0008 (CAP) PRESTAYKO, A W. Cancer Research Center-Synthesis and maturation of ribosome precursors (rats).

PO1CA-10893-06 0009 (CAP) SNEIDER, THOMAS W. Cancer Research Center-Modifications of mammalian DNA (rats).

PO1CA-10893-06 0010 (CAP) GERBER, NICHOLAS. Cancer Research Center-Pharmacokinetics metabolism of anticancer agents (rats, human).

PO1CA-10893-06 0011 (CAP) GYORKEY, FERENC. Cancer Research Center-Prostatic carcinoma (human, mice).

PO1CA-10893-06 0012 (CAP) SCHWARTZ, ARNOLD. Cancer Research Center-Mitochondrial function in tumor growth (rats, rabbits).

PO1CA-10893-06 0013 (CAP) RANDERATH, KURT. Cancer Research Center-Structural analysis of nucleic acids (human, rats).

PO1CA-10893-06 0014 (CAP) BUTEL, JANET S. Cancer Research Center-Viral genes involved in cell transformation (monkeys, mice, hamsters).

PO1CA-10893-06 0015 (CAP) RAWLS, WILLIAM E. Cancer Research Center-Study of human papilloma.

PO1CA-10893-06 0016 (CAP) BENYESH-MELNICK, MATILDA. Cancer Research Center-Molecular biology of herpesviruses (hamsters).

PO1CA-10893-06 0017 (CAP) RAWLS, WILLIAM E. Cancer Research Center-Herpesvirus and cervical cancer.

PO1CA-10893-06 0018 (CAP) BISWAL, NILAMBAR. Cancer Research Center-RNA viruses (rats, mice).

PO1CA-10893-06 0019 (CAP) TEVETHIA, SATVIR S. Cancer Research Center-Cancer immunology-Approaches with SV40-induced tumors (mice, hamsters, human).

PO1CA-10893-06 0020 (CAP) STEINER, SHELDON. Cancer Research Center-Characterization of tumor-specific antigen (hamsters).

PO1CA-10893-06 0021 (CAP) RAWLS, WILLIAM E. Cancer Research Center-Mechanisms of viral persistence (rats).

PO2CA-10895-06 (CAP) THOMAS, EDWARD D. PUBLIC HEALTH SERVICE HOSP, 1131 14TH AVE SOUTH, ROOM 835, SEATTLE, WASH. Adult leukemia research center.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-10895-06 0001 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Bone marrow transplantation (human).

P02CA-10895-06 0002 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Bone marrow storage and infusion (human).

P02CA-10895-06 0003 (CAP) THOMAS, EDWARD D. Adult leukemia research center-High dose cyclophosphamide therapy (human).

P02CA-10895-06 0004 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Hodgkins disease, lymphoma program (human).

P02CA-10095-06 0005 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Treatment of acute leukemia (human).

P02CA-10095-06 0006 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Platelet and bleeding studies (human).

P02CA-10095-06 0007 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Immunological evaluation (human).

P02CA-10095-06 0008 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Immunotherapy studies (human).

P02CA-10095-06 0009 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Laminar air flow (human).

P02CA-10095-06 0010 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Molecular biology (human, dogs, birds).

P02CA-10095-06 0011 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Genetics (dogs, human).

P02CA-10895-06 0012 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Immunogenetics.

P02CA-10095-06 0013 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Pathology (human, dogs).

P02CA-10895-06 0014 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Hormones (human).

P02CA-10895-06 0015 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Blood separator studies (human, dogs, monkeys).

P02CA-10895-06 0016 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Extracorporeal irradiation of blood (human).

P02CA-10895-06 0017 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Enzyme therapy (human, mammals nonhuman).

P02CA-10895-06 0018 (CAP) THOMAS, EDWARD D. Adult leukemia research center-Data processing.

P01CA-10896-03 (SRC) HUTCHINSON, WILLIAM B, FRED HUTCHINSON CANCER RES CTR, 1102 COLUMBIA STREET, SEATTLE, WASH. Exploratory studies in cancer research (human, laboratory animals).

R01CA-10903-07 (A1Y) GRAF, LISELOTTE, NEW YORK STA PSYCHIATRIC INST, 722 W 168TH STREET, NEW YORK, N.Y. Immunochemical studies of malignant tumors (human, rodents).

R01CA-10904-06 (BO) SCHULTZ, JULIUS, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLORIDA. Biochemical studies in cancer (mice, rats).

R01CA-10906-07 (BBCA) DUJAX, WILLIAM L, MEDICAL FOUNDATION OF BUFFALO, 73 HIGH STREET, BUFFALO, N.Y. Molecular structures of steroids.

R01CA-10909-07 (PC) HAKOMORI, SEN-ITIROH, UNIVERSITY OF WASHINGTON, SCHOOL OF PUBLIC HEALTH, SEATTLE, WASH. Immunospecific glycolipids of normal and cancer cells (human).

R01CA-10914-06 (PHRB) KISLUK, ROY L, TUFTS UNIVERSITY SCH OF MED, 136 HARRISON AVE, BOSTON, MASS. Studies on homofolic acid derivatives (bacteria).

R01CA-10916-13 (MET) WEINHOUSE, SIDNEY, TEMPLE UNIV SCHOOL OF MEDICINE, 3420 N BROAD STREET, PHILADELPHIA, PA. Metabolism of normal and neoplastic tissues.

R01CA-10917-06 (PHY) LEVINSON, CHARLES, UNIVERSITY OF TEXAS, 7703 FLOYD CURR DRIVE, SAN ANTONIO, TEX. Phosphate transport and metabolism in carcinoma cells (mice).

R01CA-10922-06 (MBY) VAUGHAN, MAURICE H, JR, UNIVERSITY OF PITTSBURGH, A728 CRABTREE HALL, PITTSBURGH, PA. Metabolism of animal cell ribosomes (human).

R01CA-10925-25 (BBCA) GLUSKER, JENNY P, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Application of crystallographic techniques.

R01CA-10935-12 (END) SAMUELS, LEO T, UNIVERSITY OF UTAH, 3E-502 MEDICAL CENTER, SALT LAKE CITY, UTAH. Steroid hormone metabolism and tumorigenic action (mice).

R01CA-10941-06 (RAD) HELLMAN, SAMUEL, JOINT CENTER FOR RAD THERAPY, 50 BINNEY STREET, BOSTON, MASS. Proliferation and differentiation of stem cells (mice).

R01CA-10944-06 (BBCA) BATES, ROBERT B, UNIVERSITY OF ARIZONA, DEPARTMENT OF CHEMISTRY, TUCSON, ARIZ. X-ray studies of compounds of biological interest.

R01CA-10945-06 (VR) BAUM, STEPHEN G, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Interaction of oncogenic and non-oncogenic viruses (rabbits).

R10CA-10948-06 (CCI) PERLIA, CHARLES P, RUSH-PRESBY-ST LUKES MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Eastern cooperative oncology group.

R01CA-10951-06 (BIO) PEDERSEN, PETER L, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE ST, BALTIMORE, MD. Control of enzymatic phosphate transfer in mitochondria (rats).

R10CA-10953-06 (CCI) SHALEK, ROBERT J, M D ANDERSON HOSP&TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TEX. The Radiological Physics Center.

R01CA-10965-05 (MCHA) POPP, FRANK D, CLARKSON COLL OF TECHNOLOGY, DEPARTMENT OF CHEMISTRY, POTSDAM, N.Y. Alkaloid analogs as potential antineoplastic agents.

R01CA-10977-10 (BBCB) PIETTE, LAWRENCE M, UNIVERSITY OF HAWAII, 1997 EAST-WEST ROAD, HONOLULU, HAWAII. ESR studies of biological free radical mechanisms (rodents).

R01CA-10978-06 (PTMB) TEEBOR, GEORGE W, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N.Y. Enzyme control mechanisms in chemical carcinogenesis (mice, rats).

R01CA-10979-06 (MCHA) VINCE, ROBERT, UNIVERSITY OF MINNESOTA, COLLEGE OF PHARMACY, MINNEAPOLIS, MINN. Glyoxalase inhibitors as potential anticancer agents (bacteria, mice).

R01CA-10984-06 (PC) ABELSON, JOHN N, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Structure and function of ribonucleic acids (bacteria, bacteriophage).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01CA-10993-06 (MBY) SOEIRO, RUY, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Processing of ribosomal RNA in human cancer (HeLa cells).

R01CA-10995-06 (ET) RUTENBURG, ALEXANDER M, BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. Peptidase activity and cellular CAMP metabolism in cancer (rats).

R01CA-11027-06 (VR) HOLOWCZAK, JOHN A, COLL OF MED & DENTISTRY OF N J, RUTGERS MED SCHOOL, NEW BRUNSWICK, N.J. Transcription and translation in poxvirus infected cells.

R10CA-11028-07 (CCI) SAWITSKY, ARTHUR, LONG ISLAND JEWISH MEDICAL CTR, 270-05 76TH AVENUE, NEW HYDE PARK, N.Y. Acute leukemia group B.

R01CA-11033-05 (MCHA) WEINHEIMER, ALFRED J, UNIVERSITY OF OKLAHOMA, 620 PARRINGTON OVAL, RM 211, NORMAN, OKLA. Physiologically active compounds from marine organisms.

R01CA-11034-06 (PC) CARBON, JOHN A, DEPT OF BIOLOGICAL SCIENCES, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CALIF. Relation of transfer RNA structure and function (rabbits, bacteria).

R01CA-11041-06 (PC) DUDOCK, BERNARD S, STATE UNIV OF NEW YORK, DEPT OF BIOCHEMISTRY, STONY BROOK, N.Y. Sequence analysis of biologically altered tRNA (cattle, yeast, bacteria).

R01CA-11045-06 (MCHB) BENTRUDE, WESLEY G, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. New syntheses of cyclophosphamide and TEPA analogs.

R01CA-11049-06 (VR) LEVINE, ARNOLD J, PRINCETON UNIVERSITY, MOFFETT LABORATORIES, PRINCETON, N.J. DNA replication in SV40 infected cells.

R01CA-11050-07 (ET) KARON, MYRON R, CHILDRENS HOSP OF LOS ANGELES, P O BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. Molecular pharmacology of the cell cycle.

R01CA-11050-07 0008 (ET) KARON, MYRON R. Molecular pharmacology of the cell cycle-Continuous tissue culture lines (hamster).

R01CA-11050-07 0011 (ET) KARON, MYRON R. Molecular pharmacology of the cell cycle-Stem cells (mice, human).

R01CA-11050-07 0012 (ET) KARON, MYRON R. Molecular pharmacology of the cell cycle-Molecular pharmacology of antitumor drugs.

R01CA-11050-07 0013 (ET) KARON, MYRON R. Molecular pharmacology of the cell cycle-Cancer chemotherapy models.

P02CA-11051-06 (CAP) RUBIN, PHILIP, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, NEW YORK. Clinical radiation research center.

P02CA-11051-06 0019 (CAP) RUBIN, PHILIP. Clinical radiation research center-Carbon breathing during radiation therapy (human).

P02CA-11051-06 0020 (CAP) RUBIN, PHILIP. Clinical radiation research center-Hodgkin's disease and lymphomas (human).

P02CA-11051-06 0021 (CAP) RUBIN, PHILIP. Clinical radiation research center-Lung cancer profiles in survival.

P02CA-11051-06 0022 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation response and uterine cancer (human).

P02CA-11051-06 0023 (CAP) RUBIN, PHILIP. Clinical radiation research center-Computer analysis of radiation experience.

P02CA-11051-06 0024 (CAP) FOLTER, COLIN. Clinical radiation research center-Time-dose studies in central nervous system metastases (human).

P02CA-11051-06 0025 (CAP) RUBIN, PHILIP. Clinical radiation research center-Uniform staging of cancer.

P02CA-11051-06 0026 (CAP) RUBIN, PHILIP. Clinical radiation research center-Game and decision theory in oncology.

P02CA-11051-06 0027 (CAP) RUBIN, PHILIP. Clinical radiation research center-Iridium implantation boost technique (human).

P02CA-11051-06 0028 (CAP) RUBIN, PHILIP. Clinical radiation research center-Tolerance of bone marrow to combined high dose irradiation (rabbits).

P02CA-11051-06 0029 (CAP) RUBIN, PHILIP. Clinical radiation research center-Evaluation of pituitary adenoma irradiation (human).

P02CA-11051-06 0030 (CAP) RUBIN, PHILIP. Clinical radiation research center-Experimental radiation arthritis (rats).

P02CA-11051-06 0031 (CAP) RUBIN, PHILIP. Clinical radiation research center-Dose response relations for localized bone marrow irradiation (rabbits).

P02CA-11051-06 0032 (CAP) RUBIN, PHILIP. Clinical radiation research center-Mouse model of Hodgkins disease.

P02CA-11051-06 0033 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiosensitivity of the stimulated breast (guinea pigs).

P02CA-11051-06 0034 (CAP) SPEISER, BURTON. Clinical radiation research center-Hypospermia and aspermia after radiation therapy (human).

P02CA-11051-06 0035 (CAP) STEIN, R. Clinical radiation research center-Histocytosis X (human).

P02CA-11051-06 0037 (CAP) BELGRAD, RICHARD. Clinical radiation research center-Radiation in uterine sarcoma management (human).

P02CA-11051-06 0038 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation physics-Field separation (human).

P02CA-11051-06 0039 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation physics-Computerized treatment planning.

P02CA-11051-06 0040 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation physics-Total body dosimetry.

P02CA-11051-06 0041 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation physics-X-ray spectrum alteration due to tissue differences.

P02CA-11051-06 0042 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation physics-Immobilization devices (human).

P02CA-11051-06 0043 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation physics-Esophagus treatment planning and dosimetry (human).

P02CA-11051-06 0044 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Sarcoma response to x-rays (hamsters).

P02CA-11051-06 0045 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Carcinoma response to x-rays (hamsters).

P02CA-11051-06 0046 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Sarcoma immunology (hamsters).

P02CA-11051-06 0047 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Vasculature in cheek pouch chamber (hamsters).

P02CA-11051-06 0048 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Tumor microvasculature response (hamsters).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P02CA-11051-06 0049 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Tumor parenchymal and endothelial cells (hamsters).	R01CA-11165-06 (BBCA) BLAKLEY, RAYMOND L. UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Allosteric regulation of monomeric enzymes (bacteria).
P02CA-11051-06 0050 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Response to vasoactive and chemotherapeutic agents (hamsters).	R10CA-11174-06 (CCI) KLEMPERER, MARTIN R. UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Childrens cancer study group A.
P02CA-11051-06 0051 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Cell proliferation kinetics (hamsters).	R01CA-11176-06 (CBY) HOLLEY, ROBERT W. SALK INSTITUTE, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Factors required for mammalian cell division.
P02CA-11051-06 0052 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Pulmonary irradiation and metastasis (mice).	R01CA-11185-06 (MCHB) SHECHTER, HAROLD. OHIO STATE UNIVERSITY, 140 W 18TH AVENUE, COLUMBUS, OHIO. Synthesis and chemistry of diazo compounds.
P02CA-11051-06 0053 (CAP) RUBIN, PHILIP. Clinical radiation research center-Radiation pathology-Hepatitis alteration by heparin (rats).	R01CA-11186-06 (PC) HOLDEN, JOSEPH T. CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Asparagine transport in normal and neoplastic cells (human, bacteria, mice).
P02CA-11051-06 0054 (CAP) COOPER, ROBERT A JR. Clinical radiation research center-Radiopathology-cytokinesis studies of human neoplasms.	R01CA-11189-05 (PTHB) TERZ, JOSE J. VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Cell kinetics of human tumors (human, rats).
P02CA-11051-06 0055 (CAP) RUBIN, PHILIP. Clinical radiation research center-Oxygen tension in tumors (hamsters).	R01CA-11196-06 (ET) HAMPTON, ALEXANDER. INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Chemistry and enzymology of anticancer purine analogs.
P02CA-11051-06 0056 (CAP) SPEISER, BURTON. Clinical radiation research center-Fractionated irradiation on viability and generation time of L1210 cells (mice).	P02CA-11198-06 (CAP) COOPER, ROBERT A. JR. UNIVERSITY OF ROCHESTER, SCHOOL OF MEDICINE & DENTISTRY, ROCHESTER, N. Y. Cancer research center.
P02CA-11051-06 0057 (CAP) ELBADAWI, NABILA. Clinical radiation research center-Clinical investigative radiation pathology.	P02CA-11198-06 0001 (CAP) FOWLER, EDWARD H. Cancer research center-Influence of synthetic progestins on canine mammary glands & organ cultures.
P02CA-11051-06 0058 (CAP) RUBIN, PHILIP. Clinical radiation research center-Uniform staging of cancer.	P02CA-11198-06 0002 (CAP) DEWYS, WILLIAM. Cancer research center-Tumor biology and bank (mice).
P02CA-11051-06 0059 (CAP) KEYS, HENRY. Clinical radiation research center-Effect of whole lung irradiation on occult metastases (mice).	P02CA-11198-06 0003 (CAP) WITTLIFF, JAMES L. Cancer research center-Estrogen binding protein (dogs, toads, human).
R01CA-11058-06 (PTHB) BANERJEE, MINHR R. UNIVERSITY OF NEBRASKA, PLANT INDUSTRY BLDG, RM 12, LINCOLN, NEBR. Hormones, cellular biosynthesis and mammary carcinogenesis (mice).	P02CA-11198-06 0004 (CAP) MILF, RUSSELL. Cancer research center-Biochemical characteristics of neoplasms (rodents, dogs, human).
P02CA-11067-05 (CAP) KREVIANS, JULIUS R. SCHOOL OF MEDICINE, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Clinical cancer research center.	P02CA-11198-06 0005 (CAP) NAHAS, A. Cancer research center-Dihydrofolate reductase and pyrimidine phosphoribosyl transferase (human).
P02CA-11067-05 0001 (CAP) LEHRER, R I. Clinical cancer research center-Host resistance factors and intensive supportive therapy.	P02CA-11198-06 0006 (CAP) HACKER, BRUCE. Cancer research center-Xanthine oxidase (dogs, human, mice).
P02CA-11067-05 0004 (CAP) EPSTEIN, L B. Clinical cancer research center-Interferon production by human leukocytes.	P02CA-11198-06 0007 (CAP) KESSEL, DAVID. Cancer research center-Drug action (mice).
P02CA-11067-05 0005 (CAP) MORRIS, R C JR. Clinical cancer research center-Renal tubular function (human).	P02CA-11198-06 0003 (CAP) TURNER, MICHAEL D. Cancer research center-Detection of pancreas and other gastrointestinal neoplasms (rabbits, goats).
P02CA-11067-05 0006 (CAP) ROOF, B S. Clinical cancer research center-Peptide indicators of cancer (human).	P02CA-11198-06 0009 (CAP) MANIKAVEL, VALAVADAN. Cancer research center-Immunosuppression.
P02CA-11067-05 0008 (CAP) CLINE, MARTIN J. Clinical cancer research center-Cooperative study of potential anticancer drugs (mice).	R01CA-11208-06 (PC) LANDY, ARTHUR, BROWN UNIVERSITY, 302 J WALTER WILSON LAB, PROVIDENCE, R I. Control of synthesis and function of nucleic acid (bacteria, bacteriophage).
P02CA-11067-05 0009 (CAP) APPLE, MARTIN A. Clinical cancer research center-Normal growth regulating mechanisms (mice).	R01CA-11220-06 (BBCB) GERIG, JOHN T. UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, SANTA BARBARA, CALIF. Mapping of active sites and effective chemotherapy.
P02CA-11067-05 0013 (CAP) WILSON, C B. Clinical cancer research center-Brain tumor chemotherapy (human, rats).	R01CA-11224-06 (PTHA) KOESTNER, ADALBERT, OHIO STATE UNIVERSITY, 1925 COFFEY ROAD, COLUMBUS, OHIO. Neurooncogenesis by resorptive carcinogens.
P02CA-11067-05 0014 (CAP) APPLE, MARTIN A. Clinical cancer research center-Pharmacologic inhibition of transcriptase activity, oncogenesis of RNA tumor virus.	R01CA-11224-06 0001 (PTHA) KOESTNER, ADALBERT. Neurooncogenesis by resorptive carcinogens-Interactions of N-nitrosoureas with cellular components (rats).
P02CA-11067-05 0016 (CAP) SALMON, S E. Clinical cancer research center-Adoptive immunotherapy in patients with advanced cancer.	R01CA-11224-06 0002 (PTHA) KOESTNER, ADALBERT. Neurooncogenesis by resorptive carcinogens-In vitro transformation of glial cells by MNV and ENU (rats).
P02CA-11067-05 0017 (CAP) CLINE, MARTIN J. Clinical cancer research center-Metabolism of normal and malignant leukocytes (human).	R01CA-11224-06 0003 (PTHA) KOESTNER, ADALBERT. Neurooncogenesis by resorptive carcinogens-Immunologic rejection of brain tumors (rats).
P02CA-11067-05 0018 (CAP) ALBERTS, DAVID S. Clinical cancer research center-Kinetics of monoclonal neoplasia-multiple myeloma (human).	R01CA-11224-06 0004 (PTHA) KOESTNER, ADALBERT. Neurooncogenesis by resorptive carcinogens-N-nitrosoureas as possible activators of C type viruses (rats).
P02CA-11067-05 0019 (CAP) ALBERTS, DAVID S. Clinical cancer research center-Drug interaction studies with mouse spleen colony system.	R01CA-11224-06 0005 (PTHA) KOESTNER, ADALBERT. Neurooncogenesis by resorptive carcinogens-Virus-chemical cocarcinogenesis (cats).
P02CA-11067-05 0020 (CAP) KALTREIDER, H BENTER. Clinical cancer research center-Pulmonary immune functions (dogs).	R10CA-11233-06 (CCI) HUMPHREY, G BENNETT, UNIVERSITY OF OKLAHOMA FDN, 800 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Southwestern cooperative chemotherapy study group.
P02CA-11067-05 0021 (CAP) ZIPPIN, CALVIN. Clinical cancer research center-Computerized cancer data retrieval system.	R01CA-11262-06 (PC) REID, PAULANE J. UNIVERSITY OF CONNECTICUT, DEPARTMENT OF BIOCHEMISTRY, FARMINGTON, CONN. Altered components of protein synthesis (bacteria, viruses).
R10CA-11073-06 (CCI) THATCHER, I GILBERT, MEDICAL COLLEGE OF WISCONSIN, 1700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Childrens cancer study group A.	R10CA-11263-06 (CCI) HUGULEY, CHARLES M, JR. EMORY UNIVERSITY, ROOM 718 WOODRUFF BUILDING, ATLANTA, GA. Southeastern group statistical services.
R10CA-11083-07 (CCI) BENNETT, JOHN, HIGHLAND HOSPITAL, SOUTH AVENUE, ROCHESTER, N. Y. Eastern cooperative oncology group (human).	P02CA-11265-05 (CAP) ANLIAN, WILLIAM G. DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N. C. General clinical cancer research center.
R01CA-11089-12 (MCHB) MARSHALL, JAMES A, NORTHWESTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, EVANSTON, ILL. Synthesis of tumor inhibitory lactones.	P02CA-11265-05 0015 (CAP) MAHALEY, M S. General clinical cancer research center-Protocol for malignant glioma of brain.
R01CA-11095-06 (NSS) SCOTT, ALASTAIR I, YALE UNIVERSITY, STERLING CHEMISTRY LABORATORY, NEW HAVEN, CONN. Biosynthesis and biogenetic synthesis of indole alkaloids (vinca).	P02CA-11265-05 0018 (CAP) MILLER, DONALD S. General clinical cancer research center-Myeloproliferative syndromes (human).
R01CA-11097-05 (PTHB) KREIDER, JOHN W, MILTON S HERSHEY MEDICAL CTR, HERSHEY, PA. Cell differentiation and neoplasia (hamsters, rats, rabbits).	P02CA-11265-05 0022 (CAP) SEGLER, H F. General clinical cancer research center-Immunological studies of melanoma patients.
R10CA-11109-06 (CCI) SCHILLING, ALBERT, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Eastern cooperative oncology group.	P02CA-11265-05 0032 (CAP) CREASMAN, W T. General clinical cancer research center-Cryosurgery for cervical cancer.
R01CA-11110-14 (COM) HANSCH, CORWIN H, DEPT OF CHEMISTRY, POMONA COLLEGE, CLAREMONT, CALIF. Correlation of biological activity and structure.	P02CA-11265-05 0033 (CAP) MILLER, DONALD S. General clinical cancer research center-Blood cell separator (human, rabbits, monkeys, chimpanzees).
R01CA-11113-06 (PHRB) PRAGER, MORTON D, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Tumor inhibitory enzymes (human, mice, guinea pigs).	P02CA-11265-05 0034 (CAP) MILLER, DONALD S. General clinical cancer research center-Beta-deoxythioguanosine in refractory acute leukemia.
R01CA-11114-06 (CBY) SHERIDAN, JUDSON D, UNIVERSITY OF MINNESOTA, DEPT OF ZOOLOGY, MINNEAPOLIS, MINN. Cell junctions during growth and differentiation (mice).	P02CA-11265-05 0035 (CAP) STICKNEY, J. General clinical cancer research center-D.D.M.P. for meningeal leukemia.
R01CA-11138-06 (SSS) WITHERS, H RODNEY, UNIV OF TEXAS MD ANDERSON HOSP, 6723 BERTNER AVE, HOUSTON, TEX. Radiobiology of normal tissues (mice).	P02CA-11265-05 0036 (CAP) MOHANAKUMAR, J. General clinical cancer research center-Leukemia-specific antigens.
R01CA-11147-06 (MCHA) TOWNSEND, LEROY B, UNIVERSITY OF UTAH, DEPT BIOPHARMACEUTICAL SCI, SALT LAKE CITY, UTAH. Thiazolo- and oxazolo 5, 4-d pyrimidine nucleosides.	P02CA-11265-05 0037 (CAP) ANLIAN, WILLIAM G. General clinical cancer research center-BCNU, CCNU and isocyanate derivatives.
R01CA-11151-06 (VR) GOLDSTEIN, DAVID A, SCRIPPS CLINIC & RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Maturation of RNA and DNA in tumor virus infection.	P02CA-11265-05 0038 (CAP) HUANG, ANDREW. General clinical cancer research center-DNA unwinding proteins.
R01CA-11155-06 (DEN) BARKA, TIBOR, MOUNT SINAI SCHOOL OF MEDICINE, 5TH AVENUE & 100TH STREET, NEW YORK, N. Y. Salivary gland hyperplasia and hypertrophy.	P02CA-11265-05 0039 (CAP) LASZLO, JOHN. General clinical cancer research center-Granule assembly in human leukemic myeloblasts.
R01CA-11161-06 (BIO) HARTMAN, STANDISH C, BOSTON UNIVERSITY, 675 COMMONWEALTH AVE, BOSTON, MASS. Enzymes of glutamine metabolism (E coli, chickens).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1CA-11271-06 (PTHB) BRADA, ZBYNEK, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. Biochemical studies of hepatoma production by ethionine.

RO1CA-11277-06 (MCHA) MC MURRY, JOHN E, UNIVERSITY OF CALIFORNIA, DIVISION OF NATURAL SCIENCE, SANTA CRUZ, CALIF. Synthetic approaches to the azulene sesquiterpenes.

RO1CA-11305-06 (HEM) ROBINSON, WILLIAM A, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Leukemia and humoral regulators of WBC production (human).

RO1CA-11322-06 (BIO) GOLDTHWAIT, DAVID A, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Nucleic acid function in relation to cancer (E coli, animals).

RO1CA-11326-06 (MCHA) KENDE, ANDREW S, UNIVERSITY OF ROCHESTER, DEPARTMENT OF CHEMISTRY, ROCHESTER, N Y. Photochemical synthesis of antineoplastic substances.

RO1CA-11339-05 (CBY) WAYMOUTH, CHARITY, THE JACKSON LABORATORY, BAR HARBOR, MAINE. Control of cell growth, differentiation, and function (mice).

RO1CA-11349-06 (PHRB) ROSENBERG, BARNETT, MICHIGAN STATE UNIVERSITY, BIOPHYSICS DEPARTMENT, EAST LANSING, MICH. Platinum compounds-A new class of anti-tumor agents (mice).

RO1CA-11371-06 (MBC) WU, HENRY C, UNIV OF CONNECTICUT HLTH CTR, DEPT OF MICROBIOLOGY, FARMINGTON, CONN. Biochemistry of cell division in bacteria.

RO1CA-11378-05 (PTHB) MC GUIRE, WILLIAM L, UNIVERSITY OF TEXAS MEDICAL SCHOOL 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Mechanism of hormonal control of mammary carcinoma (rats).

RO1CA-11388-06 (SSS) RINEHART, KENNETH L, JR, UNIVERSITY OF ILLINOIS, DEPT OF CHEMISTRY, URBANA, ILL. High resolution mass spectra of bioorganic compounds.

RO1CA-11389-05 (PHRB) NAGYVARY, JOSEPH J, TEXAS A&M UNIVERSITY, BIOCHEMISTRY & BIOPHYSIC, COLLEGE STATION, TEX. Potential drugs related to araC.

PO1CA-11405-06 (CAP) CORIELL, LEWIS L, INSTITUTE FOR MEDICAL RESEARCH, COPEWOOD STREET, CAMDEN, N J. Core program on etiology of cancer.

PO1CA-11405-06 0001 (CAP) MOORE, DAN H. Core program on etiology of cancer-Purification of MTV and characterization.

PO1CA-11405-06 0002 (CAP) SARKAR, NURUL. Core program on etiology of cancer-Morphogenesis of MTV in cell culture (human).

PO1CA-11405-06 0003 (CAP) KRAMARSKY, BERNHARD. Core program on etiology of cancer-Early stages of replication and transformation by MTV (mice).

PO1CA-11405-06 0004 (CAP) KRAMARSKY, BERNHARD. Core program on etiology of cancer-Pathway of MTV from intestine to mammary gland (mice).

PO1CA-11405-06 0005 (CAP) CHARRNEY, JESSE. Core program on etiology of cancer-Immunology of MTV infection in various inbred mouse strains.

PO1CA-11405-06 0006 (CAP) KRAMARSKY, BERNHARD. Core program on etiology of cancer-Anti-reverse transcriptase effect of streptoviricins and derivatives.

PO1CA-11405-06 0007 (CAP) KRAMARSKY, BERNHARD. Core program on etiology of cancer-Morphogenesis of Simian mammary tumor virus (also human).

PO1CA-11405-06 0008 (CAP) MOORE, DON. Core program on etiology of cancer-Characterization of mammary tumor virus in human milk and tissues.

PO1CA-11405-06 0009 (CAP) MOORE, DON. Core program on etiology of cancer-Effect of human milk on structure of mouse B particles.

PO1CA-11405-06 0010 (CAP) LASFARGUES, ETIENNE. Core program on etiology of cancer-Detection of tumorigenicity of mammary tumor virus (human).

PO1CA-11405-06 0011 (CAP) LASFARGUES, ETIENNE. Core program on etiology of cancer-Alternate cell culture to increase virus production (human, rats, hamsters).

PO1CA-11405-06 0012 (CAP) CHARNEY, JESSE. Core program on etiology of cancer-Immunology of human mammary tumor virus.

PO1CA-11405-06 0013 (CAP) NICHOLS, WARREN. Core program on etiology of cancer-Chromosome damage by adenovirus and marijuana (human, rats).

PO1CA-11405-06 0014 (CAP) NICHOLS, WARREN. Core program on etiology of cancer-Biochemical mechanism of virus induced chromosome breaks(human).

PO1CA-11405-06 0015 (CAP) NICHOLS, WARREN. Core program on etiology of cancer-Detection of virus induced gene mutations (mice, hamsters).

PO1CA-11405-06 0016 (CAP) NICHOLS, WARREN. Core program on etiology of cancer-Somatic chromosome pairing (mammals, insects).

PO1CA-11405-06 0017 (CAP) GREENE, ARTHUR. Core program on etiology of cancer-Induction of RNA tumor viruses by nuclei acid analogs (human, mammals).

PO1CA-11405-06 0018 (CAP) GREENE, ARTHUR. Core program on etiology of cancer-Susceptibility of cell cultures to oncogenic and non-oncogenic viruses (human).

PO1CA-11405-06 0019 (CAP) GREENE, ARTHUR. Core program on etiology of cancer-Adaptation of cell cultures to substituted culture media (human, rats).

PO1CA-11405-06 0020 (CAP) GREENE, ARTHUR. Core program on etiology of cancer-Characterization of globulin secreting cell lines (human, mice).

PO1CA-11405-06 0021 (CAP) MCGARRITY, GERARD J. Core program on etiology of cancer-Bio-containment techniques.

RO1CA-11421-09 (MCHB) FRANCK, RICHARD W, FORDHAM UNIVERSITY, BRONX, N Y. Antitumor activity of synthetic mitomycin analogs.

RO1CA-11426-06 (VR) DUESBERG, PETER H, DEPT OF MOLECULAR BIOLOGY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Structure and replication of Rous sarcoma and influenza virus (chickens).

RO1CA-11427-05 (PTHB) CARNES, WILLIAM H, UNIVERSITY OF CALIFORNIA, CTR FOR THE HLTH SCIS, LOS ANGELES, CALIF. Virus in relation to C57BL mouse thymoma.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1CA-11428-04 (CAP) WINKELSTEIN, WARREN, JR, UNIVERSITY OF CALIFORNIA, 208 EARL WARREN HALL, BERKELEY, CALIF. Epidemiology of cancer (human).

RO1CA-11430-09 (COM) ZIMMERMAN, STUART O, M D ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TEX. Biomathematics and computing in a cancer institute.

RO1CA-11430-09 0029 (COM) JANSSON, BIGGER. Biomathematics and computing in a cancer institute-Mathematical modelling of cellular kinetics.

RO1CA-11430-09 0030 (COM) GEHAN, EDMUND A. Biomathematics and computing in a cancer institute-Planning and analysis of clinical studies.

RO1CA-11430-09 0032 (COM) THAMES, HOWARD D, JR. Biomathematics and computing in a cancer institute-Radiation dosimetry for implants and external beam therapy.

RO1CA-11430-09 0033 (COM) THAMES, HOWARD D, JR. Biomathematics and computing in a cancer institute-Computer dose distributions from external x-and gamma-ray sources.

RO1CA-11430-09 0034 (COM) THAMES, HOWARD D, JR. Biomathematics and computing in a cancer institute-First scatter to off-axis points and the Clarkson method.

RO1CA-11430-09 0035 (COM) ZIMMERMAN, STUART O. Biomathematics and computing in a cancer institute-Computer karyotyping.

RO1CA-11430-09 0036 (COM) BROWN, BARRY W. Biomathematics and computing in a cancer institute-Dose rate factors influencing radiation strategy.

RO1CA-11430-09 0037 (COM) BROWN, BARRY W. Biomathematics and computing in a cancer institute-Synchrony strategies in cancer chemotherapy.

RO1CA-11430-09 0038 (COM) GEORGE, STEPHEN. Biomathematics and computing in a cancer institute-Methods of measuring a genetic distance among several populations.

RO1CA-11430-09 0039 (COM) THAMES, HOWARD D, JR. Biomathematics and computing in a cancer institute-Stability and enzyme separation.

RO1CA-11430-09 0040 (COM) WALTER, CHARLES. Biomathematics and computing in a cancer institute-Thermodynamics of folding pyridine nucleotides from NMR studies.

RO1CA-11430-09 0041 (COM) ZIMMERMAN, STUART O. Biomathematics and computing in a cancer institute-Non-parametric multivariate classification procedures.

RO1CA-11430-09 0042 (COM) ZIMMERMAN, STUART O. Biomathematics and computing in a cancer institute-Simple method for comparing two survival distributions.

RO1CA-11430-09 0043 (COM) WALKER, MARY. Biomathematics and computing in a cancer institute-Radiation therapy patient information system.

RO1CA-11430-09 0044 (COM) ONG, P S. Biomathematics and computing in a cancer institute-Elemental concentrations in blood serum from x-ray data.

RO1CA-11430-09 0045 (COM) TESSMER, C F. Biomathematics and computing in a cancer institute-Serum copper in normal children and with Hodgkin's disease.

RO1CA-11437-03 (PTHB) HASS, GEORGE M, RUSH-PRESBY-ST LUKES MED CTR, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Magnesium deficiency, leukocytosis, lymphoma, leukemia (rodents).

RO1CA-11445-06 (MCHA) CAVA, MICHAEL P, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF CHEMISTRY, PHILADELPHIA, PA. Benzylisoquinoline alkaloid studies.

RO1CA-11446-06 (PHRB) MENGEL, CHARLES E, UNV OF MISSOURI, DEPARTMENT OF MEDICINE, COLUMBIA, MO. Tryptophan hematologic and neoplastic disease (human, mice, brown recluse spider).

RO1CA-11447-06 (ET) MENGEL, CHARLES E, UNIVERSITY OF MISSOURI, DEPARTMENT OF MEDICINE, COLUMBIA, MO. Effect of hyperoxia on normal and neoplastic cells (dogs, mice, human).

RO1CA-11449-05 (PC) FRIEDKIN, MORRIS E, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CA. New antagonists of amethopterin-resistant leukemia (human bacteria, mice).

RO1CA-11450-04 (MCHB) SHAMMA, MAURICE, PENNSYLVANIA STATE UNIVERSITY, 152 DAVEY BUILDING, UNIVERSITY PARK, PENN. A search for anti-cancer drugs (plants).

RO1CA-11463-05 (MBY) BORUN, THADDEUS W, TEMPLE UNIVERSITY, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Regulation of histone biosynthesis in heteroploid cells (HeLa cells).

RO1CA-11472-04 (HEM) DE GOWIN, RICHARD L, UNIVERSITY OF IOWA HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Hemopoietic control mechanisms (mice).

RO1CA-11479-05 (PTHB) PAUL, JOSEPH S, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BLVD, DALLAS, TEXAS. Nuclear pathology and molecular carcinogenesis (mice).

RO1CA-11488-05 (CCI) TAGNON, HENRI J, INSTITUT J BORDET, 1 RUE HEGER BORDET, 1000 BRUSSELS, BELGIUM. Eortic coordinating agency and data center.

PO1CA-11489-05 (CAP) LIJENFELD, ABRAHAM M, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Program of epidemiological research in cancer.

PO1CA-11491-05 (CAP) WEST, WILLIAM L, HOWARD UNIVERSITY, COLLEGE OF MEDICINE, WASHINGTON, D C. Irradiation and tissue-localization response.

PO1CA-11491-05 0001 (CAP) KAHN, REUBEN L. Irradiation and tissue-localization response-Relationship of interferon induction to growth and metastases (rats, mice).

PO1CA-11491-05 0002 (CAP) KAHN, REUBEN L. Irradiation and tissue-localization response-Antilocalization and hyaluronidase (mammals nonhuman).

PO1CA-11491-05 0003 (CAP) WEST, WILLIAM L. Irradiation and tissue-localization response-Pharmacological approach to antilocalization study (human, mammals nonhuman).

RO1CA-11507-05 (MCHB) CHANG, FREDERIC C, UNIVERSITY OF TENNESSEE, 874 UNION AVENUE, MEMPHIS, TENN. Chemical study of plants of pharmacological interest.

RO1CA-11512-05 (VR) HORWITZ, MARSHALL S, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Assembly of oncogenic and nononcogenic adenoviruses.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01CA-11520-05 (CAP) FREIREICH, EMIL J, UNIVERSITY OF TEXAS AT HOUSTON, 6723 BERTNER AVENUE, HOUSTON, TEXAS. Therapeutic research in cancer (human, mice, hamsters).	R01CA-11685-05 (END) ORTH, DAVID N, VANDERBILT UNIVERSITY, DEPT OF MEDICINE, NASHVILLE, TENN. Tumor cell synthesis and secretion of peptide hormones (human, mice).
R01CA-11524-04 (MBY) LOBB, LAWRENCE A, INSTITUTE FOR CANCER RESEARCH, FOX CHASE, 7701 BURHOLME AVE, PHILADELPHIA, PA. Control of replication in human lymphocytes.	R01CA-11686-04 (MCHA) REAMERS, WILLIAM A, PURDUE UNIVERSITY, DEPT OF MEDICINAL CHEMISTRY, LAFAYETTE, IND. Antitumor agents-Synthesis of mitomycin analogs.
R01CA-11526-05 (PHRB) KADO, CLARENCE I, UNIVERSITY OF CALIFORNIA, DEPT OF PLANT PATHOLOGY, DAVIS, CALIF. The tumor-inducing substance of <i>Agrobacterium tumefaciens</i> .	R01CA-11689-04 (PTHA) RUBINSTEIN, LUCIEN J, STANFORD UNIVERSITY, DEPARTMENT OF PATHOLOGY, STANFORD, CALIF. Differentiation and stroma-induction in neural tumors (human, rats).
P01CA-11531-05 (CAP) BROSS, IRWIN D, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Core program in biometrics of cancer epidemiology.	R01CA-11692-03 (HEM) VOGLER, WILLIAM R, EMORY UNIVERSITY, ROOM 718 WOODRUFF BUILDING, ATLANTA, GA. Molecular studies of regulators in granulopoiesis (human, mice).
P01CA-11535-05 (CAP) GRAHAM, SAXON, STATE UNIVERSITY OF NEW YORK, BUILDING 4224 RIDGE LEA ROAD, AMHERST, N Y. Social epidemiology in prevention of cancer (human).	R01CA-11695-05 (BBCB) GRIFFITH, O HAYES, UNIVERSITY OF OREGON, INST OF MOLECULAR BIOLOGY, EUGENE, OREG. Photoelectron microscopy and biological surfaces.
P01CA-11536-05 (CAP) VAN SCOTT, EUGENE J, 3322 NORTH BROAD STREET, PHILADELPHIA, PA. Cell control in integumental cancer.	R01CA-11703-05 (EDC) ALEXANDER, E RUSSELL, UNIVERSITY OF WASHINGTON, F350 HEALTH SCIENCES BLDG, SEATTLE, WASH. Cervical cancer epidemiology and genital infections (human).
P01CA-11536-05 0010 (CAP) VAN SCOTT, EUGENE J. Cell control in integumental cancer-Cancer chemotherapy and immunotherapy (mice).	R01CA-11704-04 (END) FRANTZ, ANDREW G, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Prolectin (human).
P01CA-11536-05 0011 (CAP) VAN SCOTT, EUGENE J. Cell control in integumental cancer-Early diagnosis of cancers and precancers.	R01CA-11703-05 (PC) GOULIAN, MEHRAN, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Studies on DNA synthesis (bacteria, human, mammals).
P01CA-11536-05 0012 (CAP) VAN SCOTT, EUGENE J. Cell control in integumental cancer-Malignant cell behavior and morphology (mice).	R01CA-11714-03 (PHRB) MOKOTOFF, MICHAEL, UNIVERSITY OF PITTSBURGH, 727 SALK HALL, PITTSBURGH, PA. Potential inhibitors of asparagine biosynthesis (rats, human).
R01CA-11537-04 (BCCA) CHIANG, JOSEPH F, STATE UNIVERSITY OF NEW YORK, DEPT OF CHEMISTRY, ONEONTA, N Y. Molecular structure of biological interest compounds.	R01CA-11715-03 (MCHB) CASSADY, JOHN M, PURDUE UNIVERSITY, DEPT OF MEDICINAL CHEMISTRY, LAFAYETTE, IND. Isolation and synthesis of potential tumor inhibitors (plants).
R01CA-11572-05 (MCHA) NAKANISHI, KOJI, COLUMBIA UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW YORK, N Y. Structural and biological studies of natural products (plants, animals).	R01CA-11718-05 (MCHB) KUPCHAN, S MORRIS, UNIVERSITY OF VIRGINIA, DEPARTMENT OF CHEMISTRY, CHARLOTTESVILLE, VA. Chemistry of tumor-inhibitory natural products.
R01CA-11595-14 (PC) PARDEE, ARTHUR B, PRINCETON UNIVERSITY, MOFFETT LABORATORY, PRINCETON, N J. Regulation of cellular syntheses and activities (bacteria, animal cells).	R10CA-11722-06 (CCI) D'ANGIO, GIULIO J, SLOAN-KETTERING CAN CTR, 1275 YORK AVE, NEW YORK, N Y. National Wilms tumor study (children).
P02CA-11602-05 (CAP) KRAMER, SIMON, THOMAS JEFFERSON UNIV HOSP, 1025 WALNUT STREET, PHILADELPHIA, PA. Research and clinical radiation center.	R01CA-11736-05 (PTHB) ABRAHAM, SAMUEL, CHILDRENS HOSP MEDICAL CENTER, 51ST AND GROVE STREETS, OAKLAND, CALIF. Metabolic patterns in preneoplasia and neoplasia (mice).
P02CA-11602-05 0001 (CAP) KRAMER, SIMON. Research and clinical radiation center-Chinese hamster ovary fibroblasts.	R01CA-11751-05 (RAD) LITTLE, JOHN B, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Effects of radiation on stationary cells (mammals, human).
P02CA-11602-05 0002 (CAP) KRAMER, SIMON. Research and clinical radiation center-Mitotic cell selection for cell cycle analysis.	R01CA-11760-04 (BCCA) BRYAN, ROBERT F, UNIVERSITY OF VIRGINIA, DEPARTMENT OF CHEMISTRY, CHARLOTTESVILLE, VA. Ex-ray determinations of structure of tumor inhibitors (plants).
P02CA-11602-05 0002 (CAP) KRAMER, SIMON. Research and clinical radiation center-Repair kinetics of radiation induced cell division delay.	R01CA-11761-05 (BCCA) GRAY, HORACE B, JR, UNIVERSITY OF HOUSTON, 3801 CULLEN BOULEVARD, HOUSTON, TEX 77004. Hydrodynamics of circular DNA forms (viruses).
P02CA-11602-05 0004 (CAP) KRAMER, SIMON. Research and clinical radiation center-Use of lucanthone in cell cycle analysis.	R01CA-11766-04 (BIO) COCKRELL, RONALD S, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BLVD, ST LOUIS, MO. Ion transport and metabolic regulation in neoplasms (rats).
P02CA-11602-05 0005 (CAP) KRAMER, SIMON. Research and clinical radiation center-Radiosensitivity and radiation repair kinetics of diploid tetraploid cho cells.	R01CA-11778-05 (PHRB) WHITLEY, JOHN M, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Chemistry of folate and pteridine coenzymes.
P02CA-11602-05 0006 (CAP) KRAMER, SIMON. Research and clinical radiation center-Interaction of hyperthermic damage with radiation damage.	R10CA-11789-05 (CCI) NYHAN, WILLIAM L, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Acute leukemia cooperative group B.
P02CA-11602-05 0007 (CAP) KRAMER, SIMON. Research and clinical radiation center-Chinese hamster ovary fibroblasts in vivo (hamsters).	R01CA-11793-05 (PTHB) COBB, JEWEL P, CONNECTICUT COLLEGE, NEW LONDON, CONN. Melanogenesis and growth of pigment cells in vitro (human, mice).
R01CA-11603-05 (PHRB) HUGGINS, CHARLES B, BEN MAY LAB FOR CANCER RES, 950 E 9TH STREET, CHICAGO, ILL. Hormone-induced regression of cancers (rats).	R10CA-11796-06 (CCI) EVANS, AUDREY E, CHILDRENS HOSP OF PHILADELPHIA, 1740 BANBRIDGE STREET, PHILADELPHIA, PA. Childrens cancer study group A.
R01CA-11605-06 (MB) SIMMONS, RICHARD L, UNIVERSITY OF MINNESOTA, BOX 185, MINNEAPOLIS, MINN. Immunological reactivity in special circumstances (mice).	R01CA-11797-05 (MBY) NOLL, HANS, NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, EVANSTON, ILL. mRNA translation in normal and neoplastic cells (mammals, microorganisms, beans).
R01CA-11606-05 (NSS) ANDERSON, W A, 55 EAST ERIE STREET, CHICAGO, ILL. American Joint Committee.	R01CA-11799-04 (PTHB) GOLDBLATT, PETER J, UNIVERSITY OF CONN HEALTH CTR, HARTFORD PLAZA, HARTFORD, CONN. Pathology of the nucleolus in experimental carcinogenesis (rats).
R01CA-11613-05 (VR) YOHN, DAVID S, OHIO STATE UNIVERSITY, 1925 COFFEY ROAD, COLUMBUS, OHIO. Yaba virus oncogenesis-Immunologic and viral factors (monkeys, rabbits).	R01CA-11800-05 (HEM) CRADDOCK, CHARLES G, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Leukocyte participation in defense and disease (human, mice).
R01CA-11624-05 (PC) KEY, JOE L, UNIVERSITY OF GEORGIA, DEPARTMENT OF BOTANY, ATHENS, GA. RNA metabolism in development and hormonal regulation (soybean, pea).	R01CA-11811-09 (PHRB) GALE, GLEN R, USVA HOSPITAL, 109 BEE STREET, CHARLESTON, S C. Pharmacology of derivatives of natural compounds (mice, rats).
R01CA-11627-08 (MCHA) MAUGER, ANTHONY B, WASHINGTON HOSPITAL CENTER, 110 IRVING STREET, N W, WASHINGTON, D C. Actinomycins-Conformation and activity.	R10CA-11816-14 (CCI) WASSERMAN, LOUIS R, MT SINAI SCH OF MED, 11 EAST 100TH ST, NEW YORK, N Y. Leukemia center platelet program.
R01CA-11628-05 (END) PEARLMAN, WILLIAM H, UNIV OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Steroid-protein interactions and human breast cancer (rats).	R01CA-11818-04 (BIO) CRISS, WAYNE E, UNIVERSITY OF FLORIDA, DEPT OF OBSTETRICS & GYN, GAINESVILLE, FLA. Adenylate kinase in normal and neoplastic tissues (rats, mice).
R10CA-11630-04 (CCI) DJERASSI, ISAAC, MERCY CATHOLIC MED CTR, 54TH ST AND CEDAR AVE, PHILA, PA. Leukemia center platelet program.	R01CA-11820-03 (MCHA) FRAENKEL, GIDEON, 88 WEST 18TH AVENUE, COLUMBUS, OHIO. Potentially therapeutically useful NAD antagonists.
R01CA-11634-05 (MB) HAUGHTON, GEOFFREY, UNIV OF NORTH CAROLINA, DEPT OF BACTERIOLOGY AND IMM, CHAPEL HILL, N C. Regulation of immunity (mice).	R10CA-11844-17 (CCI) SULLIVAN, MARGARET P, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Pediatric malignancies-Southwest Oncology Group.
R01CA-11637-04 (ET) OVE, PETER, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. DNA replication in normal and tumor cells (rats).	R10CA-11845-16 (CCI) SPURR, CHARLES L, WAKE FOREST UNIVERSITY, 300 SOUTH HAWTHORNE ROAD, WINSTON-SALEM, N C. Leukemia treatment-Acute leukemia cooperative group B.
R01CA-11647-05 (VR) RAPP, FRED, MILTON S HERSHEY MED CENTER, DEPT OF MICROBIOLOGY, HERSHEY, PA. The replication of viruses.	R01CA-11850-04 (BIO) VANDERLAGT, DAVID L, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF BIOCHEMISTRY, ALBUQUERQUE, NEW MEX. Comparative enzymology of the pyruvate system.
R01CA-11650-03 (MB) DANDLIKER, WALTER B, SCRIPPS CLINIC & RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Immunochemical isolation of tumor specific antigens (hamsters, SV40 virus).	R01CA-11853-03 (MBC) CORY, JOSEPH G, UNIVERSITY OF SOUTH FLORIDA, 4202 E FOWLER AVE, TAMPA, FLA. Polycytidylate polymerase from tumor cells (mice).
R01CA-11655-07 (HEM) SILBER, ROBERT, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Studies on leukocyte metabolism (mice).	R01CA-11854-04 (PC) REMY, CHARLES N, BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF BIOCHEMISTRY, WINSTON-SALEM, N C. Characterization of ribosomal RNA methylases (bacteria, viruses, animal cells).
R01CA-11656-04 (ALY) GROSSBERG, ALLAN L, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Chemical nature of ligand binding sites of myeloma proteins (human, mice, rabbits).	R01CA-11857-03 (RAD) HENDRICKSON, FRANK R, PRESBYTERIAN-ST LUKES HOSP, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Computer automated radiation therapy system.
R01CA-11666-05 (ET) FREISHEIM, JAMES H, UNIVERSITY OF CINCINNATI, EDEN AND BETHESA AVENUES, CINCINNATI, OHIO. Structure-function studies of dihydrofolate reductase (chickens).	R01CA-11858-05 (RAD) HAYES, RAYMOND L, OAK RIDGE ASSOC UNIVERSITIES, POST OFFICE BOX 117, OAK RIDGE, TENN. Concentration of radionuclides by malignant neoplasms (rats, mice, hamsters).
R01CA-11673-05 (VR) SCOTT, JUNE R, EMORY UNIVERSITY, MICROBIOLOGY DEPARTMENT, ATLANTA, GA. Lysogeny and phage P1.	
R01CA-11683-05 (BIO) KAPLAN, NATHAN O, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Coenzyme and nucleic acid metabolism (microorganisms, vertebrates).	
R01CA-11684-05 (PC) HOCHSTEIN, PAUL E, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES CALIF. Mechanisms of drug action in normal and tumor cells (mice, human, rats).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-11861-05 (VR) WAGNER, EDWARD K, UNIVERSITY OF CALIFORNIA, DEPT OF MOLECULAR BIO-CHEM, IRVINE, CALIF. Control of viral RNA synthesis in herpes virus infection.
- R01CA-11879-03 (MCHA) HUDUCKY, ANLOS, VIRGINIA POLYTECHNIC INSTITUTE, DEPARTMENT OF CHEMISTRY, BLACKSBURG, VA. Fluorinated amino acids as potential cancerostatics.
- R01CA-11880-03 (MCHB) ANDERSON, WAYNE K, S U N Y - AT BUFFALO, DEPT OF MEDICINAL CHEMISTRY, BUFFALO, N Y. The synthesis of polyfunctional tumor inhibitor.
- R01CA-11881-05 (PHRB) HOLCENBERG, JOHN S, UNIVERSITY OF WASHINGTON, DIV OF CLINICAL PHARMACOLOGY, SEATTLE, WASH. Research with enzymes as antitumor agents (human, mice animals).
- R01CA-11886-04 (MBC) BYERS, BENJAMIN R, UNIVERSITY OF MISSISSIPPI, 2500 N STATE STREET, JACKSON, MISS. Iron-transport and regulatory functions (bacteria).
- R01CA-11890-05 (MCHA) MOORE, HAROLD W, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, IRVINE, CALIF. Reactions of azidoquinones with nucleophiles.
- R01CA-11893-05 (VR) BASNICO, CLAUDIO, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Cellular and viral control of oncogenic transformation (mice, hamsters).
- R01CA-11895-05 (VR) NATHANS, DANIEL, JOHNS HOPKINS UNIV SCH OF MED, 725 N WOLFE STREET, BALTIMORE, MD. Molecular biology of tumor viruses.
- R01CA-11898-04 (PTHA) BIGNER, DARELL D, DUKE UNIVERSITY MEDICAL CENTER, P O BOX 3156, DURHAM, N C. Brain tumors-Virological and immunological studies (hamsters, rabbits).
- R01CA-11901-04 (PTHB) MIZELL, MERLE, TULANE UNIVERSITY, NEW ORLEANS, LA, NEW ORLEANS, LA. Pathology of tumorigenesis in developing embryos (frogs).
- P02CA-11911-04 (CAP) STEINFELD, JESSE L, MAYO CLINIC, 200 1ST STREET, S W, ROCHESTER, MINN. Clinical cancer center.
- P02CA-11911-04 0001 (CAP) LINNAAN, JAMES W. Clinical cancer center-Myelomonocytic leukemia.
- P02CA-11911-04 0002 (CAP) KIELY, JOSEPH M. Clinical cancer center-Surgical versus conservative management of extradural lymphoma.
- P02CA-11911-04 0003 (CAP) KYLE, ROBERT A. Clinical cancer center-Evaluation of plasma cell proliferative disorders.
- P02CA-11911-04 0004 (CAP) KYLE, ROBERT A. Clinical cancer center-Therapy of myeloma, previously treated.
- P02CA-11911-04 0005 (CAP) KYLE, ROBERT A. Clinical cancer center-Amyloidosis.
- P02CA-11911-04 0006 (CAP) BAYRD, EDWIN D. Clinical cancer center-Primary macroglobulinemia.
- P02CA-11911-04 0007 (CAP) BOWIE, E J W. Clinical cancer center-Intravascular coagulation-Fibrinolysis syndrome in cancer.
- P02CA-11911-04 0008 (CAP) AHMANN, DAVID L. Clinical cancer center-Analgesics and narcotics in patients with advanced cancer.
- P02CA-11911-04 0009 (CAP) MOERTEL, CHARLES G. Clinical cancer center-Oxygenation and 5-fluorouracil therapy.
- P02CA-11911-04 0010 (CAP) MOERTEL, CHARLES G. Clinical cancer center-Comparison of routes of administration of 5-fluorouracil.
- P02CA-11911-04 0011 (CAP) MOERTEL, CHARLES G. Clinical cancer center-Five-fluorouracil, bis(chlorethyl)nitrosourea in gastric and pancreatic carcinoma.
- P02CA-11911-04 0012 (CAP) MOERTEL, CHARLES G. Clinical cancer center-Effects of 5-fluorouracil, oxygen inhalation therapy on radiation-treated cancer.
- P02CA-11911-04 0013 (CAP) MOERTEL, CHARLES G. Clinical cancer center-5-Fluorouracil and radiation adjuncts to surgery of gastric cancer.
- P02CA-11911-04 0014 (CAP) MOERTEL, CHARLES G. Clinical cancer center-Fluorouracil, radiation, oxygen therapy adjuncts to surgery of rectal carcinoma.
- P02CA-11911-04 0015 (CAP) TAUXE, W NEWTON. Clinical cancer center-Sensitivity of radioisotope liver scanning in metastases.
- P02CA-11911-04 0016 (CAP) TAUXE, W NEWTON. Clinical cancer center-Scintiscans of the pancreas.
- P02CA-11911-04 0017 (CAP) UTZ, DAVID C. Clinical cancer center-Carcinoma of the prostate.
- P02CA-11911-04 0018 (CAP) LEARY, FRANK J. Clinical cancer center-Hypernephroma.
- P02CA-11911-04 0019 (CAP) DECKER, DAVID G. Clinical cancer center-Surgery and chemotherapy for stage III and IV ovarian cancer.
- P02CA-11911-04 0020 (CAP) AHMANN, DAVID L. Clinical cancer center-Palliation of disseminated malignant melanoma.
- P02CA-11911-04 0021 (CAP) CARR, DAVID T. Clinical cancer center-Lung tumor secretion of polypeptide hormones.
- P02CA-11911-04 0022 (CAP) MALDONADO, J E. Clinical cancer center-Normal controls in field of megakaryocytes (human).
- P02CA-11911-04 0023 (CAP) MALDONADO, J E. Clinical cancer center-Patients with preleukemia.
- P02CA-11911-04 0024 (CAP) MALDONADO, J E. Clinical cancer center-Platelets and megakaryocytes in myeloproliferative disease.
- P02CA-11911-04 0025 (CAP) MALDONADO, J E. Clinical cancer center-Platelet aggregation in myeloproliferative diseases (human).
- P02CA-11911-04 0026 (CAP) MALDONADO, J E. Clinical cancer center-Electron microscopic study of certain gammopathies (human).
- P02CA-11911-04 0027 (CAP) MALDONADO, J E. Clinical cancer center-Eosinophil granules and eosinophilic leukemia.
- P02CA-11911-04 0028 (CAP) MALDONADO, J E. Clinical cancer center-Platelets and megakaryocytes in carcinoid syndrome (human).
- R01CA-11929-04 (HEM) BRUBAKER, LEONARD H, UNIVERSITY OF MISSOURI, 807 STADIUM ROAD, COLUMBIA, MO. Leukocyte turnover in acute leukemia and leukopenias (human).
- R01CA-11935-05 (MCHA) BROOM, ARTHUR D, UNIVERSITY OF UTAH, COLLEGE OF PHARMACY, SALT LAKE CITY, UTAH. Synthesized polynucleotides as tumor and virus inhibitors.
- R01CA-11939-03 (PHRB) RASMUSSEN, RONALD E, CANCER RESEARCH INSTITUTE, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Chemical carcinogenesis and mammalian DNA replication (mice, hamsters).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-11944-04 (ET) MEDINA, DANIEL, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Chemical carcinogenesis of mouse mammary glands (mice).
- R01CA-11946-05 (ET) BRYAN, GEORGE T, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, C-713, MADISON, WIS. Carcinogenicity and metabolism of 5-nitrofurans (rats, mice, hamsters).
- R01CA-11948-03 (PC) KATZE, JON R, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. The relation of tRNA to oncogenesis.
- R01CA-11949-05 (PC) SNYDER, FRED L, OAK RIDGE ASSOCIATED UNIV, P O BOX 117, OAK RIDGE, TENN. Biosynthetic mechanisms for ether bonds in lipids (rats).
- R01CA-11950-04 (PC) SMULSON, MARK E, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C. Mammalian RNA synthesis during amino acid deprivation (L cells, HeLa cells, rats).
- R01CA-11953-03 (RAD) GRIGGS, H GASTON, VANDERBILT UNIVERSITY HOSPITAL, DIV OF RADIATION THERAPY, NASHVILLE, TENN. Ultraviolet and ionizing radiation damage (hamsters, frogs).
- R01CA-11967-10 (MCHB) BERLIN, KENNETH D, OKLAHOMA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, STILLWATER, OKLA. Properties of cyclic P CPDS-potential carcinostats.
- R01CA-11969-03 (NTN) BRICKER, LEE A, UNIV OF MIAMI SCHOOL OF MED, 1600 N W 10TH AVENUE, MIAMI, FLA. Intermediary metabolism of cholesterol in cancer (rats, human).
- R01CA-11978-04 (PHRB) ELFORD, HOWARD L, DUKE UNIVERSITY, LANE LABORATORY, DURHAM, N C. Role of vitamin B12 in deoxynucleotide biosynthesis (viruses, bacteria, rats).
- R01CA-11981-04 (BIO) KHORANA, HAR G, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Synthetic and biological studies of nucleic acids (yeast, E coli, bacteriophage).
- R01CA-11982-04 (END) PRADHAN, S N, HOWARD UNIVERSITY, 520 W STREET, N W, WASHINGTON, D C 20001. Influence of central nervous system on oncogenesis (rats).
- R10CA-11987-20 (CCI) HENDERSON, EDWARD S, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Leukemia center platelets program-ALB.
- R10CA-11988-18 (CI) LEIKIN, SANFORD L, CHILDREN'S HOSPITAL, 2125 13TH STREET, N W, WASHINGTON, D C. Leukemia center (platelet) program-CCA.
- R01CA-11992-13 (MBY) EAGLE, HARRY, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Metabolic, viral, genetic studies in cell culture (human, rodent, rabbit, monkey).
- R10CA-11996-11 (CCI) KRIVIT, WILLIAM, UNIVERSITY OF MINNESOTA HOSP, DEPARTMENT OF PEDIATRICS, MINNEAPOLIS, MINN. Leukemia center (platelet) program-CCA.
- P01CA-11998-02 (NSS) KLIGERMAN, MORTON M, UNIV OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N MEX. Regional plan for meson radiotherapy of cancer.
- R10CA-12001-09 (CI) CHARD, RONALD L, JR, CHILDRENS ORTHOP HOSP & MED CTR, 4800 SAND POINT WAY, N E, SEATTLE, WASH. Leukemia center (platelet) program.
- R01CA-12008-06 (MCHA) ROBERTS, BRYAN W, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF CHEMISTRY, PHILADELPHIA, PA. Synthesis of sesquiterpenoid antitumor agents.
- R01CA-12010-12 (MCHB) KUEHNLE, MARTIN E, UNIVERSITY OF VERMONT, DEPARTMENT OF CHEMISTRY, BURLINGTON, VT. A general synthetic approach to indole alkaloids.
- R10CA-12011-03 (CCI) BANK, ARTHUR, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Acute leukemia group B.
- R10CA-12014-05 (CCI) GEHAN, EDMUND A, UNIVERSITY OF TEXAS, 6723 BERTNER DRIVE, HOUSTON, TEX. Southwest Cancer Chemotherapy Study Group-Statistical.
- R01CA-12020-03 (MCHA) KROW, GRANT R, TEMPLE UNIVERSITY, DEPT OF CHEMISTRY, PHILADELPHIA, PA. Synthesis of actinobolamine and related molecules (streptomycetes).
- R01CA-12025-03 (MCHB) BEALL, HERBERT, WORCESTER POLYTECHNIC INSTITUTE, WORCESTER, MASS. Structural chemistry of borane anion complexes.
- R01CA-12026-05 (BBCB) MALVY, PAUL, NEW YORK UNIVERSITY, 550 FIRST AVE, DEPT OF PATH, NEW YORK, N Y. DNA cysteamine, DNA-N ethylmaleimide studies by ESR (bacteria).
- R10CA-12027-04 (CCI) FISHER, BERNARD, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Headquarters-Surgical adjuvant breast group.
- R10CA-12028-04 (CCI) FISHER, BERNARD, UNIV OF PITTSBURGH SCH OF MED, 3550 TERRACE STREET, PITTSBURGH, PA. National surgical adjuvant breast project.
- R10CA-12029-04 (CCI) AUST, J BRADLEY, DEPARTMENT OF SURGERY, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. National surgical adjuvant breast project.
- R10CA-12030-04 (CCI) BUTCHER, HARVEY R, JR, WASHINGTON UNIVERSITY MED SCH, 660 SOUTH EUCLID, ST LOUIS, MO. National surgical adjuvant breast project.
- R10CA-12031-04 (CCI) COHN, ISIDORE, JR, LOUISIANA STATE UNIV MED CTR, 1542 TULANE AVENUE, NEW ORLEANS, LA. National surgical adjuvant breast project.
- R10CA-12032-03 (CCI) EVANS, RICHARD H, MICHAEL REESE HOS & MED CTR, 29TH STREET AND ELLIS AVE, CHICAGO, ILL. Primary breast cancer therapy group.
- R10CA-12033-04 (CCI) GARDNER, BERNARD, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. National surgical adjuvant breast project.
- R10CA-12036-04 (CCI) LAWTON, RICHARD L, E-151-12-GENERAL HOSP, DEPARTMENT OF SURGERY, IOWA CITY, IOWA. National surgical adjuvant breast project.
- R10CA-12037-04 (CCI) NEALON, THOMAS F, JR, ST VINCENT'S HOSP & MED CTR, 153 WEST 11TH STREET, NEW YORK, N Y. Primary breast cancer therapy group (NSABP).
- R10CA-12039-04 (CCI) ROWE, EDWARD B, UNIVERSITY OF TEXAS, MEDICAL BRANCH, GALVESTON, TEX. National surgical adjuvant breast project.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R10CA-12040-04 (CCI) VOLK, HERBERT, VAN ETEN HOSPITAL, SEMMOLE & MORRIS PARK AVENUES, BRONX, N. Y. National surgical adjuvant breast project.
- R10CA-12041-04 (CCI) BENFIELD, JOHN R, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. National surgical adjuvant breast project.
- R01CA-12043-03 (ET) BLOIS, MARSDEN S, JR, UNIVERSITY OF CALIFORNIA, 1363 3RD AVENUE, SAN FRANCISCO, CALIF. Biophysical and clinical studies of melanoma (human, mice).
- R10CA-12046-04 (CCI) HENRY, PATRICK H, UNIV OF MISSOURI MED CTR, 807 STADIUM ROAD, COLUMBIA, MO. Acute leukemia group B.
- R01CA-12053-03 (PC) METRIONE, ROBERT M, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. The mechanism of action of SH activated cathepsins.
- R01CA-12055-03 (VR) MILLER, I GEORGE, YALE UNIVERSITY SCHOOL MED, 333 CEDAR STREET, NEW HAVEN, CONN. EB virus (monkeys).
- R01CA-12056-03 (PHRB) SCHAEFFER, WARREN I, UNIVERSITY OF VERMONT, COLLEGE OF MEDICINE, BURLINGTON, VT. Studies of in vitro carcinogenesis with aflatoxin B1 (guinea pigs, rats).
- R01CA-12059-05 (MCHB) KUPCHAN, S MORRIS, UNIVERSITY OF VIRGINIA, DEPARTMENT OF CHEMISTRY, CHARLOTTESVILLE, VA. Chemistry of biologically active natural products (plants).
- R01CA-12067-04 (PTHB) KASTEN, FREDERICK M, LOUISIANA STATE UNIVERSITY, 1100 FLORIDA AVE-8312, NEW ORLEANS, LA. Electron microscopic and cytochemical studies of DNA (human, rats).
- R01CA-12068-03 (VR) LEVINE, ARNOLD J, PRINCETON UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, PRINCETON, N. J. Integration of SV40 DNA into mouse cell chromosomes.
- R01CA-12073-04 (PTHB) FARBER, JOHN L, TEMPLE UNIVERSITY, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Chromatin in normal and pathological liver cells (rats).
- R01CA-12075-04 (PTHB) JACOBS, BARBARA B, AMERICAN MEDICAL CENTER, 6401 WEST COLFAX AVENUE, DENVER, COLO. Host-allograft changes induced by explanted tumors (mice, human).
- R01CA-12076-03 (RAD) GOLDFEDER, ANNA, CANCER AND RADIOBIO RES LAB, 99 FORT WASHINGTON AVE, NEW YORK, N. Y. Cell kinetics in irradiated tumors of different growth (mice).
- R01CA-12078-03 (VR) FRITZ, ROBERT B, EMORY UNIVERSITY, DEPT OF MICROBIOLOGY, ATLANTA, GA. Surface antigens of RNA tumor virus-infected cells (chickens, rabbits).
- R01CA-12080-04 (PC) POGELL, BURTON M, ST LOUIS UNIV MED SCH, 1402 SOUTH GRAND BLVD, ST LOUIS MISSOURI. Control, regulation of carbohydrate biosynthesis (human, animals, microbes).
- R01CA-12084-03 (PHRB) WALKER, GLENN A, ROSS HALL, 5TH FLOOR, 2300 EYE STREET, N. W, WASHINGTON, D. C. B12 analogues as chemotherapeutic agents.
- R01CA-12089-04 (PTHB) PRAGER, MORTON D, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Immunology of chemically modified cancer cell (mice).
- R01CA-12092-03 (PTHB) ACEVEDO, HERNAN F, ALLEGHENY GENERAL HOSPITAL, 320 EAST NORTH AVENUE, PITTSBURGH, PA. Non-esterified cholesterol, index of genital carcinoma (human).
- P01CA-12093-04 (CAP) TRENTIN, JOHN J, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Immunobiology of cancer.
- P01CA-12093-04 0001 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Microbiologically defined inbred mice and hamsters.
- P01CA-12093-04 0002 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Gnotobiotic isolation systems for immune deficient infants.
- P01CA-12093-04 0003 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Immunology and attempted reconstitution of a gnotobiotic (infant).
- P01CA-12093-04 0004 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Immunological enhancement and tolerance (mice).
- P01CA-12093-04 0005 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Thymosin studies (mice).
- P01CA-12093-04 0006 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Specificity studies (mice, rabbits).
- P01CA-12093-04 0007 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Viral oncology and immunology (hamster, human, chick embryo).
- P01CA-12093-04 0008 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Tumor immunology (mice, hamsters).
- P01CA-12093-04 0009 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Genetic resistance and leukemia (mice).
- P01CA-12093-04 0010 (CAP) TRENTIN, JOHN J. Immunobiology of cancer-Substitution of bacterial lipopolysaccharide (rabbits).
- R01CA-12096-04 (BIO) OLIVERA, BALDOMERO M, UNIVERSITY OF UTAH, DEPT OF BIOLOGY, SALT LAKE CITY, UTAH. Discontinuous DNA synthesis in vitro (E coli, mammals).
- R01CA-12101-04 (VR) VELICER, LELAND F, MICHIGAN STATE UNIVERSITY, 404 GILTNER HALL, EAST LANSING, MICH. Molecular biology of RNA cancer viruses (cats).
- R01CA-12102-04 (SGYA) FISHER, BERNARD, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Surgical management of the regional lymph node in cancer (mice, hamsters).
- R01CA-12104-02 (RAD) GOEPP, ROBERT A, BOX 418, 950 E 59TH STREET, CHICAGO, ILL. Kinetics of epithelial repair after irradiation (mice).
- R01CA-12107-10 (MCHA) DANISHEFSKY, SAMUEL J, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF CHEMISTRY, PITTSBURGH, PA. Synthesis of antitumor natural products.
- R01CA-12108-04 (ET) FITZPATRICK, THOMAS B, MASSACHUSETTS GENERAL HOSP, DEPARTMENT OF DERMATOLOGY, BOSTON, MASS. Specific metabolic approach to chemotherapy of melanoma (mice, human).
- R01CA-12109-04 (ET) BREWER, JOHN I, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Trophoblastic disease.
- R01CA-12109-04 0001 (ET) FREINKEL, NORBERT. Trophoblastic disease-Carbohydrate metabolism in choriocarcinoma.
- R01CA-12109-04 0002 (ET) BREWER, JOHN I. Trophoblastic disease-Therapy for invasive mole and choriocarcinoma.
- R01CA-12109-04 0003 (ET) HALPERN, BERNARD. Trophoblastic disease-Radioimmunoassay.
- R01CA-12109-04 0004 (ET) BREWER, JOHN I. Trophoblastic disease-Chemotherapy of trophoblastic disease.
- R01CA-12109-04 0005 (ET) BREWER, JOHN I. Trophoblastic disease-Albert Mathieu chorionepithelioma registry.
- R01CA-12109-04 0006 (ET) BREWER, JOHN I. Trophoblastic disease-Diamine oxidase.
- R01CA-12109-04 0007 (ET) BREWER, JOHN I. Trophoblastic disease-Choriocarcinoma and histocompatibility antigens (human).
- R01CA-12109-04 0008 (ET) BREWER, JOHN I. Trophoblastic disease-HL-A markers in chorionepithelioma.
- R01CA-12109-04 0009 (ET) BREWER, JOHN I. Trophoblastic disease-Lymphocytotoxic antibodies toward HL-A antigens (human).
- R01CA-12109-04 0010 (ET) BREWER, JOHN I. Trophoblastic disease-Cytotoxic serum factors in choriocarcinoma (human).
- R01CA-12109-04 0011 (ET) BREWER, JOHN I. Trophoblastic disease-Mixed lymphocyte lympholysis between cells of patient and husband.
- R01CA-12109-04 0012 (ET) BREWER, JOHN I. Trophoblastic disease-Blocking factors against cytotoxic by lymphocytes.
- R01CA-12109-04 0013 (ET) BREWER, JOHN I. Trophoblastic disease-Hydattid mole.
- R01CA-12109-04 0014 (ET) BREWER, JOHN I. Trophoblastic disease-Choriocarcinoma and invasive mole-Height of initial HCG titer.
- R01CA-12109-04 0015 (ET) BREWER, JOHN I. Trophoblastic disease-Choriocarcinoma-Prognosis in molar and non-molar pregnancies.
- R01CA-12109-04 0016 (ET) BREWER, JOHN I. Trophoblastic disease-Histopathology of choriocarcinoma.
- R01CA-12109-04 0017 (ET) BREWER, JOHN I. Trophoblastic disease-Early detection and therapy of choriocarcinoma with non-molar gestation.
- R01CA-12109-04 0018 (ET) BREWER, JOHN I. Trophoblastic disease-Early detection of choriocarcinoma and invasive mole with hydattid mole.
- R01CA-12109-04 0019 (ET) BREWER, JOHN I. Trophoblastic disease-Chemotherapy of choriocarcinoma in high risk patients.
- R01CA-12109-04 0020 (ET) BREWER, JOHN I. Trophoblastic disease-Earliest effectiveness of cancer chemotherapy.
- R01CA-12109-04 0021 (ET) BREWER, JOHN I. Trophoblastic disease-Chemotherapy of patients with choriocarcinoma and invasive mole.
- R01CA-12109-04 0022 (ET) BREWER, JOHN I. Trophoblastic disease-RNA, gonadotropin, and dehydrogenase synthesis in trophoblast.
- R01CA-12109-04 0023 (ET) BREWER, JOHN I. Trophoblastic disease-Effects of neoplastic disease on carbohydrate metabolism.
- R01CA-12113-04 (GEN) STEELE, MARK W, CHILDREN'S HOSPITAL, 125 DE SOTO STREET, PITTSBURGH, PA. Genetics of X chromosomes and malignant hybridization (humans).
- R01CA-12115-04 (MCHA) PAQUETTE, LEO A, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Unsaturated polyolefins and hydrocarbon carcinogenesis.
- R01CA-12122-02 (PTHA) PRUTKIN, LAWRENCE, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N. Y. Vitamin A acid localization in the keratoacanthoma (rabbits).
- R01CA-12124-02 (SSS) RUBINOW, SOL I, CORNELL UNIV MED COLLEGE, 1300 YORK AVENUE, NEW YORK, N. Y. The optimization of drug treatment schedules (human).
- R01CA-12126-03 (END) RIVLIN, RICHARD S, FRANCIS DELAFIELD HOSPITAL, 99 FT WASHINGTON AVENUE, NEW YORK, N. Y. Regulatory mechanisms in normal and neoplastic cells (rats).
- R01CA-12130-04 (PTHB) HARRIS, MORGAN, UNIVERSITY OF CALIFORNIA, 4079 LIFE SCIENCES BUILDING, BERKELEY, CALIF. Polyploidy in analysis of variation and tumorigenesis (hamsters, frogs).
- R01CA-12131-03 (PTHB) ZUELZER, WOLF W, CHILD RES CENTER OF MICHIGAN, 3901 BEAUBIEN BLVD, DETROIT, MICH. Viral transfection genetics, and leukemia risk (human).
- R01CA-12133-03 (RAD) DOUDNEY, CHARLES O, ALBERT EINSTEIN MEDICAL CENTER, YORK AND TABOR ROADS, PHILADELPHIA, PA. Restoration of bacterial chromosome from UV-damage (microorganisms).
- R01CA-12136-03 (MBY) GERSCHENSON, LAZARO E, LAB OF NUCLEAR MED & RADIATION, 900 VETERAN AVE, LOS ANGELES, CALIF. Effect of estrogens and progestins on culture cells (rabbits, rats).
- R01CA-12141-04 (ET) BECKER, FREDERICK F, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Phenotypic analysis of chemical carcinogenesis (rats).
- R01CA-12149-03 (MCHB) LYLE, ROBERT E, UNIVERSITY OF NEW HAMPSHIRE, DEPT OF CHEM, PARSONS HALL, DURHAM, N. H. Synthesis of the anticancer agent, Camptothecin.
- R01CA-12150-04 (MET) BAUMANN, WOLFGANG J, HORMEL INSTITUTE, 801 16TH AVE, N. E, AUSTIN, MINN. Unusual lipids in cancer tissue (mice, rats, human).
- R01CA-12152-04 (PTHB) BUXBAUM, JOEL N, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Immunoglobulin synthesis by malignant plasma cells (mice, human).
- R01CA-12159-03 (BBCA) BUGG, CHARLES E, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE, BIRMINGHAM, ALA. Crystal structure of purine and pyrimidine analogues.
- R01CA-12164-03 (MCHB) SCHRAUZER, GERHARD N, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. The biological function of selenium.
- R01CA-12166-02 (PHRB) MAKER, HOWARD S, MOUNT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Brain tumor micro-chemistry and chemotherapy.
- P01CA-12174-04 (CAP) GREEN, HOWARD, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Growth and cell control processes.
- P01CA-12174-04 0001 (CAP) GREEN, HOWARD. Growth and cell control processes-Multiple human TK chromosomes in human-mouse hybrid cells.
- P01CA-12174-04 0002 (CAP) GREEN, HOWARD. Growth and cell control processes-Purine scavenger pathways in mammalian cells.
- P01CA-12174-04 0003 (CAP) GREEN, HOWARD. Growth and cell control processes-DNA binding proteins in mammalian cells.
- P01CA-12174-04 0004 (CAP) BALTIMORE, D. Growth and cell control processes-Gene order of the poliovirus capsid proteins.
- P01CA-12174-04 0005 (CAP) BALTIMORE, D. Growth and cell control processes-Defective interfering particles of poliovirus.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P01CA-12174-04 0006 (CAP) BALTIMORE, D.. Growth and cell control processes-Nuclease associated with avian myeloblastosis virus DNA polymerase.
- P01CA-12174-04 0007 (CAP) BALTIMORE, D .. Growth and cell control processes-Initial product synthesized by DNA polymerase of tumor viruses.
- P01CA-12174-04 0008 (CAP) BALTIMORE, D.. Growth and cell control processes-Synthesis of DNA complementary to natural messenger RNA.
- P01CA-12174-04 0009 (CAP) BALTIMORE, D .. Growth and cell control processes-Induction of leukemia virus by BUDR (mice).
- P01CA-12174-04 0010 (CAP) BALTIMORE, D.. Growth and cell control processes-Differentiating viral from cellular DNA polymerases (mice).
- P01CA-12174-04 0011 (CAP) HUBERMAN, J. Growth and cell control processes-Sites of DNA replication within the nucleus (hamsters).
- P01CA-12174-04 0012 (CAP) HUBERMAN, J.. Growth and cell control processes-Direction of replication in mammalian chromosomes.
- P01CA-12174-04 0013 (CAP) HUBERMAN, J. Growth and cell control processes-Size of DNA in mammalian chromosomes.
- P01CA-12174-04 0014 (CAP) HUBERMAN, J. Growth and cell control processes-Nuclear system for DNA replication (mammals).
- P01CA-12174-04 0015 (CAP) HUBERMAN, J.,.. Growth and cell control processes-Short-chain intermediates in replication.
- P01CA-12174-04 0016 (CAP) HUBERMAN, J. Growth and cell control processes-Structure of replication forks (human, Drosophila, slime molds).
- P01CA-12174-04 0017 (CAP) HUBERMAN, J.. Growth and cell control processes-Rate of DNA synthesis during "S" phase of cell cycle.
- P01CA-12174-04 0018 (CAP) HUBERMAN, J. Growth and cell control processes-Effect of inhibition of protein synthesis on DNA synthesis (mammals).
- P01CA-12174-04 0019 (CAP) BURGE, B. W.. Growth and cell control processes-Glycoproteins of transformed cells (mice).
- P01CA-12174-04 0020 (CAP) BURGE, B. W.. Growth and cell control processes-Turnover of surface components in normal and transformed cells (chickens).
- P01CA-12174-04 0021 (CAP) PENMAN, S. Growth and cell control processes-Products of nuclear RNA polymerases in HeLa cells (human).
- P01CA-12174-04 0022 (CAP) PENMAN, S. Growth and cell control processes-Messenger RNA metabolism (human, animals).
- P01CA-12174-04 0023 (CAP) PENMAN, S. Growth and cell control processes-Metabolism in insect cells.
- P01CA-12174-04 0024 (CAP) PENMAN, S. Growth and cell control processes-Adenovirus metabolism (human).
- P01CA-12174-04 0025 (CAP) PENMAN, S. Growth and cell control processes-Selective inhibitors of cellular macromolecular metabolism (human).
- P01CA-12174-04 0026 (CAP) GROSS, P.R.. Growth and cell control processes-Control mechanisms concerned with chromosome replications (animals).
- P02CA-12178-04 (CAP) BLOEDORN, FERNANDO G, TUFTS-NEW ENG MED CTR, 171 HARRISON AVENUE, BOSTON, MASS. Radiotherapy-oncology center.
- P02CA-12178-04 0001 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Split course therapy of advanced head and neck tumors.
- P02CA-12178-04 0002 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Combined surgery, chemotherapy and radiotherapy in ovarian carcinomas.
- P02CA-12178-04 0003 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Carcinoma of endometrium.
- P02CA-12178-04 0004 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Carcinoma of the cervix.
- P02CA-12178-04 0005 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Breast carcinoma.
- P02CA-12178-04 0006 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Bronchogenic carcinoma.
- P02CA-12178-04 0007 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Lymphoma and Hodgkins disease.
- P02CA-12178-04 0008 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Whole lung irradiation.
- P02CA-12178-04 0009 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Lysosomal enzyme levels in tumor homogenates (human).
- P02CA-12178-04 0010 (CAP) FISHMAN, W H. Radiotherapy-oncology center-Cooperative study of isoenzymes in therapeutic radiology.
- P02CA-12178-04 0011 (CAP) CHOI, CHAN H. Radiotherapy-oncology center-Whole body irradiation.
- P02CA-12178-04 0012 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Thyroid function after neck irradiation.
- P02CA-12178-04 0013 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Social service in the department of therapeutic radiology.
- P02CA-12178-04 0014 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Physics division.
- P02CA-12178-04 0015 (CAP) BLOEDORN, FERNANDO G. Radiotherapy-oncology center-Post-mastectomy cobalt 60 radiation dosimetry.
- R01CA-12179-02 (RAD) GEORGE, FREDERICK W, 3D, LAC-USC MEDICAL CENTER, 1200 N STATE STREET, LOS ANGELES, CALIF. Automation of a clinical radiation therapy center.
- R01CA-12180-03 (RAD) CONSTABLE, IAN J, RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. Cyclotron and retinoblastoma (monkeys, swine).
- R01CA-12186-04 (MCHA) MAUTNER, HENRY G, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Studies of potential anti-cancer agents.
- R01CA-12187-05 (PTHB) GREEN, HOWARD, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Growth and differentiated function in mammalian cells (human, mice, hamsters).
- R01CA-12188-03 (PHRB) RILEY, VERNON T, PACIFIC NORTHWEST RESEARCH FON, 1102 COLUMBIA STREET, SEATTLE, WASH. Mechanisms of enhanced asparaginase therapy.
- R01CA-12188-03 0001 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Impairment of host exogenous enzymes removal from blood by LDH-virus (mice).
- R01CA-12188-03 0002 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-LDH virus impairment of antibody response to asparaginase.
- R01CA-12188-03 0003 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Significance of concomitant glutamine depletion in asparaginase tumor therapy.
- R01CA-12188-03 0004 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Alterations of free amino acids during EC-2 L-asparaginase therapy.
- R01CA-12188-03 0005 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Enhancement of asparaginase tumor therapy by LDH-virus.
- R01CA-12188-03 0006 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-New enzymes with antitumor potentials.
- R01CA-12188-03 0007 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Evaluating tumor tissue for amino acid dependencies.
- R01CA-12188-03 0008 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Obtaining anti-tumor enzymes from solid matrices.
- R01CA-12188-03 0009 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Peritoneal dialysis and hemodialysis for free amino acid depletion.
- R01CA-12188-03 0010 (PHRB) RILEY, VERNON T. Mechanisms of enhanced asparaginase therapy-Handling by isolated organs of amino acids and enzymes (dogs).
- R10CA-12190-04 (CCI) SLICHTER, SHERRILL J, KING CNTY CENTRAL BLOOD BANK, TERRY AT MADISON, SEATTLE, WASH. Leukemia center-platelet program.
- R01CA-12191-05 (MBY) GRANNER, DARYL K, DEPT OF INTERNAL MEDICINE, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Hormones and control mechanisms in cultured mammalian cells (rats).
- R01CA-12193-08 (MCHA) CAINE, DRURY S, 3D, GEORGIA INST OF TECHNOLOGY, SCHOOL OF CHEMISTRY, ATLANTA, GA. Photochemical synthesis of sesquiterpenes.
- R01CA-12195-07 (MCHA) PADWA, ALBERT, STATE UNIV OF NEW YORK, DEPARTMENT OF CHEMISTRY, BUFFALO, N Y. Heterocyclic small ring compounds.
- P02CA-12197-03 (CAP) SPURR, CHARLES L, WAKE FOREST UNIVERSITY, BOWMAN GRAY SCHOOL OF MEDICINE, WINSTON SALEM N C. Multidisciplinary oncology research center.
- P02CA-12197-03 0001 (CAP) SPURR, CHARLES L. Multidisciplinary oncology research center-Ultrasonic effects upon normal and neoplastic tissue (mammals nonhuman).
- P02CA-12197-03 0002 (CAP) KAUFMANN, JOHN S. Multidisciplinary oncology research center-Research and teaching functions of the oncology center.
- P02CA-12197-03 0003 (CAP) COOPER, M R. Multidisciplinary oncology research center-Platelet survival in thrombocytopenic disorders (human).
- P02CA-12197-03 0004 (CAP) COOPER, M R. Multidisciplinary oncology research center-Metabolism of leukocytes in myeloproliferative disorders (human).
- P02CA-12197-03 0005 (CAP) KERR, R M. Multidisciplinary oncology research center-Protective effect of Robinul on gastrointestinal system from prednisone (human).
- P02CA-12197-03 0006 (CAP) MCCALL, C E. Multidisciplinary oncology research center-Pathology of neutrophils and lymphocytes after adrenal corticosteroids (human).
- P02CA-12197-03 0007 (CAP) DECHATELET, LAWRENCE R. Multidisciplinary oncology research center-Effect of colchicine on leukocyte metabolism (human).
- P02CA-12197-03 0008 (CAP) SIPE, J E. Multidisciplinary oncology research center-Nucleic acid methylases in normal and neoplastic human tissues.
- P02CA-12197-03 0009 (CAP) KUCERA, LOUIS S. Multidisciplinary oncology research center-Viruses associated with amphibian neoplasms.
- P02CA-12197-03 0010 (CAP) WATERBURY, DAVID. Multidisciplinary oncology research center-Excretion and metabolism of sodium cyclamate in humans.
- P02CA-12197-03 0011 (CAP) WATERBURY, DAVID. Multidisciplinary oncology research center-Metabolism and excretion of polycyclic hydrocarbons by adult smokers.
- P02CA-12197-03 0012 (CAP) KAUFMANN, JOHN S. Multidisciplinary oncology research center-Evaluate drug effects on adrenergic neuron in human platelets.
- P02CA-12197-03 0013 (CAP) PATTERSON, RICHARD B. Multidisciplinary oncology research center-Evaluation of liver function and hepatic fibrosis in leukemic patients.
- P02CA-12197-03 0014 (CAP) COOPER, M R. Multidisciplinary oncology research center-Metabolic and functional capabilities of leukocytes (human).
- P02CA-12197-03 0015 (CAP) COOPER, M R. Multidisciplinary oncology research center-Histocompatible leukocyte transfusion to prevent and control infection (human).
- P02CA-12197-03 0016 (CAP) RICHARDS, FREDERICK. Multidisciplinary oncology research center-Prophylactic antibiotic program (human).
- P02CA-12197-03 0017 (CAP) RICHARDS, FREDERICK. Multidisciplinary oncology research center-Response in chronic lymphocytic leukemia to phytohemagglutinin (human).
- P02CA-12197-03 0018 (CAP) RICHARDS, FREDERICK. Multidisciplinary oncology research center-Evaluation of active and passive immunization to pseudomonas infection (human).
- P02CA-12197-03 0019 (CAP) HAYES, DONALD. Multidisciplinary oncology research center-Health services research in clinical oncology.
- P02CA-12197-03 0020 (CAP) MICHIELUTTE, ROBERT L. Multidisciplinary oncology research center-Socio-economic problems in designing cancer studies and care.
- P02CA-12197-03 0021 (CAP) KAUFMANN, JOHN S. Multidisciplinary oncology research center-Drug research laboratories objectives and requirements.
- P02CA-12197-03 0022 (CAP) KUCERA, LOUIS S. Multidisciplinary oncology research center-Thermoregulation of animal virus-cell interaction (frogs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P02CA-12197-03 0023 (CAP) MYRVIK, QUENTIN. Multidisciplinary oncology research center—Studies in cellular immunity (human, mammals non-human).	P01CA-12227-04 0023 (CAP) CRISS, WAYNE E. Core program in carcinogenesis—Liver and hepatoma isozymes of adenylate kinase (rats rabbits).
P02CA-12197-03 0024 (CAP) STRITTMATTER, CORNELIUS F. Multidisciplinary oncology research center—Effects of oxygen tension and ultrasound on oxidative metabolism (rats).	P01CA-12227-04 0024 (CAP) COHEN, BEVERLY S. Core program in carcinogenesis—Reduction of nitrate to nitrite in rat tissues.
P02CA-12197-03 0025 (CAP) REMY, C. N. Multidisciplinary oncology research center—Nucleic acid methylases (human).	P01CA-12227-04 0025 (CAP) FARBBER, JOHN L. Core program in carcinogenesis—Inhibition of RNA synthesis by ethionine in rat liver (also human).
P02CA-12197-08 0026 (CAP) DECHATELET, LAWRENCE R. Multidisciplinary oncology research center—Pathophysiology and metabolism of the leukocyte (human, guinea pigs).	R01CA-12229-05 (ABY) HODGE, LON D, YALE UNIVERSITY, 310 CEDAR STREET, NEW HAVEN, CONN. Biochemistry of regulatory processes in synchronized cells (HeLa, rats).
P02CA-12197-03 0027 (CAP) GUSDON, JOHN P JR. Multidisciplinary oncology research center—Immunological studies of gynecological malignancies (human).	R01CA-12231-03 (MCHA) OVERBERGER, CHARLES G, THE UNIVERSITY OF MICHIGAN, DEPARTMENT OF CHEMISTRY, ANN ARBOR, MICH. Synthetic macromolecules as anti-tumor agents.
P02CA-12197-03 0028 (CAP) WITCOWSKI, RICHARD L. Multidisciplinary oncology research center—Time-radiation dose relationship to biologic damage (rats).	R01CA-12235-09 (BIO) SRINIVASAN, P R, COLUMBIA UNIVERSITY, 630 WEST 168TH, NEW YORK, N. Y. Nucleic acid methylating enzymes (mammals, human, E coli, viruses).
P02CA-12197-03 0029 (CAP) PAJAK, THOMAS. Multidisciplinary oncology research center—Oncology statistics center.	R10CA-12240-04 (CCI) ORLOFF, MARSHALL J, UNIV HOSPITAL OF SAN DIEGO CTY, 225 W DICKINSON STREET, SAN DIEGO, CALIF. National surgical adjuvant breast project.
P02CA-12197-03 0030 (CAP) COOPER, M ROBERT. Multidisciplinary oncology research center—Pathophysiology of the leukocyte (human).	R01CA-12243-03 (PTHB) SOKAL, JOSEPH E, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Immunologic stimulation in lymphoma and leukemia (human).
P02CA-12197-03 0031 (CAP) KUCERA, LOUIS. Multidisciplinary oncology research center—Herpes viruses, Lucke renal adenocarcinoma and cervical cancer (human, anurans).	R01CA-12244-03 (RAD) SOLOWAY, ALBERT H, NORTHWESTERN UNIVERSITY, 360 HUNTINGTON AVE, BOSTON, MASS. Boron-proteins for chemoradiotherapy of tumors.
P02CA-12197-08 0032 (CAP) MYRVIK, QUENTIN. Multidisciplinary oncology research center—Effects of granulomatous cells and products on tumor cells.	P02CA-12247-03 (CAP) HOLTON, CHARLENE P, CHILDREN'S HOSPITAL, 1056 EAST NINETEENTH AVENUE, DENVER, COLO. Pediatric oncology center.
P02CA-12197-03 0033 (CAP) SPURR, CHARLES L. Multidisciplinary oncology research center—Tumor registry.	P02CA-12247-03 0001 (CAP) MAYER, CATHERINE M. Pediatric oncology center—Epidemiology.
R01CA-12205-03 (MCHA) LERNER, LEON M, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Preparation and properties of showdomycin analogs.	P02CA-12247-03 0002 (CAP) ROBINSON, WILLIAM A. Pediatric oncology center—Leukopoietic factors in acute lymphatic leukemia (human, mammals nonhuman).
R01CA-12208-03 (EDC) STEWART, ALICE M, DEPARTMENT OF SOCIAL MEDICINE, MARIE CURIE MEMORIAL FDM, LONDON, SWIX 9BP. Oxford survey of childhood cancers.	P02CA-12247-03 0003 (CAP) HATHAWAY, WILLIAM. Pediatric oncology center—Platelet kinetics (human).
R01CA-12209-03 (IMB) COOPERBAND, SIDNEY R, 80 E CONCORD ST, BOSTON, MASS. Lymphocyte proliferation inhibitory factor (human).	P02CA-12247-03 0004 (CAP) HAYS, T. Pediatric oncology center—Bone marrow histopathology (human).
R01CA-12210-14 (PC) CHARGAFF, ERWIN, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Cellular control mechanisms (mammals).	P02CA-12247-03 0005 (CAP) FAVARA, BLAISE. Pediatric oncology center—Tumor characterization (human).
R10CA-12213-03 (CCI) SAIKI, JOHN H, BERNALILLO COUNTY MEDICAL CTR, ALBUQUERQUE, N. MEX. Southwest cancer chemotherapy study group.	P02CA-12247-03 0006 (CAP) MAYER, CATHERINE M. Pediatric oncology center—Skin testing and clinical immunology.
R01CA-12218-04 (PTHB) FARBBER, EMMANUEL, TEMPLE UNIV SCHOOL OF MED, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Pathogenesis of liver cancer (rats, guinea pigs).	P02CA-12247-03 0007 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Acute leukemia (human).
R10CA-12223-03 (CCI) VELEZ-GARCIA, ENRIQUE O, UNIVERSITY OF PUERTO RICO, SCHOOL OF MEDICINE, SAN JUAN, PUERTO RICO. Southeastern cancer study group.	P02CA-12247-03 0008 (CAP) BURRINGTON, JOHN D. Pediatric oncology center—Rhabdomyosarcoma-malignant mesenchymoma (human).
R01CA-12226-04 (PC) PAIK, WOON K, TEMPLE UNIVERSITY SCH OF MED, 3420 N BROAD STREET, PHILADELPHIA, PA. Studies on protein methylation in neoplastic tissues (rats, frogs).	P02CA-12247-03 0009 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Neuroblastoma (human).
P01CA-12227-04 (CAP) WEINHOUSE, SIDNEY, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Core program in carcinogenesis.	P02CA-12247-03 0010 (CAP) BURRINGTON, JOHN D. Pediatric oncology center—Hepatic cancer of childhood.
P01CA-12227-04 0001 (CAP) ADELMAN, RICHARD C. Core program in carcinogenesis—Biochemical manifestations of aging (rats).	P02CA-12247-03 0011 (CAP) LARSON, K. A. Pediatric oncology center—Osteosarcoma study (human, dogs).
P01CA-12227-04 0003 (CAP) BASERGA, RENATO. Core program in carcinogenesis—Cellular proliferation in mammalian cells.	P02CA-12247-03 0012 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Chemotherapy—Phase II and toxicity studies (human, dogs).
P01CA-12227-04 0004 (CAP) BORUN, THADDEUS W. Core program in carcinogenesis—HeLa S-3 cell histone messenger RNA.	P02CA-12247-03 0014 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Pediatric medical records automation.
P01CA-12227-04 0005 (CAP) CLARK, WALLACE H JR. Core program in carcinogenesis—Tumor progression (human).	P02CA-12247-03 0015 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Infectious disease control (human).
P01CA-12227-04 0006 (CAP) FARBBER, EMMANUEL. Core program in carcinogenesis—Carcinogenic process in the liver (rats, guinea pigs, mice).	P02CA-12247-03 0016 (CAP) TEWEL, K. Pediatric oncology center—Psychotherapy research (human).
P01CA-12227-04 0007 (CAP) HANSON, RICHARD W. Core program in carcinogenesis—Factors regulating lipogenesis and gluconeogenesis (rats).	P02CA-12247-03 0019 (CAP) AUGUST, C S. Pediatric oncology center—Immunology study—Lymphotaxin production (human).
P01CA-12227-04 0008 (CAP) LITWACK, GERALD. Core program in carcinogenesis—Enzymatic induction by corticosteroids (rats).	P02CA-12247-03 0020 (CAP) HUTTER, JOHN J. Pediatric oncology center—HLA antigens in acute leukemia (human).
P01CA-12227-04 0009 (CAP) LOTLIKAR, PRABHAKAR D. Core program in carcinogenesis—Sequential metabolic activation in carcinogenesis by aromatic amines and amides.	P02CA-12247-03 0021 (CAP) SOLOMONS, C. C. Pediatric oncology center—Platelet biochemistry (dogs, human).
P01CA-12227-04 0010 (CAP) OWEN, OLIVER E. Core program in carcinogenesis—Turnover rates of beta-hydroxybutyrate and acetoacetate in man.	P02CA-12247-03 0022 (CAP) FAVARA, BLAISE. Pediatric oncology center—Tissue culture of neoplastic cells.
P01CA-12227-04 0011 (CAP) PAIK, WOON KI. Core program in carcinogenesis—Methylation and acetylation of nuclear proteins (frogs).	P02CA-12247-03 0023 (CAP) MAYER, CATHERINE M. Pediatric oncology center—Skin testing and clinical immunology II.
P01CA-12227-04 0012 (CAP) SHINOZURA, HISASHI. Core program in carcinogenesis—Ultrastructural study of hepatic cell nucleoli (rats, guinea pigs).	P02CA-12247-03 0024 (CAP) PIERCE, G B. Pediatric oncology center—Germinal tumors of the gonads, pineal and sacrococcygeum (human, mice).
P01CA-12227-04 0013 (CAP) SWERN, DANIEL. Core program in carcinogenesis—Synthesis of carcinogenic compounds.	P02CA-12247-03 0025 (CAP) MAYER, CATHERINE M. Pediatric oncology center—Acute non-lymphocytic leukemia (human).
P01CA-12227-04 0016 (CAP) WAXMAN, HERBERT S. Core program in carcinogenesis—Control of hemoglobin synthesis by erythroid cells (human).	P02CA-12247-03 0026 (CAP) KIRSCH, W. Pediatric oncology center—Chemotherapy of malignant brain tumors (human, mice).
P01CA-12227-04 0017 (CAP) WEINHOUSE, SIDNEY. Core program in carcinogenesis—Glucose utilization and synthesis in liver (human, rats, dogs).	P02CA-12247-03 0027 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Cooperative Hodgkin's disease study.
P01CA-12227-04 0018 (CAP) YAMAMOTO, NOBUTO. Core program in carcinogenesis—Effect of chemical agents on bacterial and animal cell DNA (also human).	P02CA-12247-03 0028 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Antibody response to immunization in Hodgkin's disease (human).
P01CA-12227-04 0019 (CAP) BORUN, THADDEUS W. Core program in carcinogenesis—Metabolism of nuclear proteins in dividing cells (human, mice).	P02CA-12247-03 0029 (CAP) HAYS, T. Pediatric oncology center—Platelet preservation.
P01CA-12227-04 0020 (CAP) LIEBERMAN, MICHAEL W. Core program in carcinogenesis—Repair mechanisms in non-dividing cells (miniature swine).	P02CA-12247-03 0030 (CAP) ECCLES, D. Pediatric oncology center—Social services.
P01CA-12227-04 0021 (CAP) SARMA, D S R. Core program in carcinogenesis—DNA replication (human, rats).	P02CA-12247-03 0031 (CAP) HOLTON, CHARLENE P. Pediatric oncology center—Rehabilitation of pediatric oncology patients.
P01CA-12227-04 0022 (CAP) RAJALAKSHMI, S. Core program in carcinogenesis—Transfer of RNA methylation in carcinogenesis (rats).	P02CA-12247-03 0032 (CAP) DRENNAN, J. Pediatric oncology center—Orthopedics.
	P02CA-12247-03 0033 (CAP) PRASAD, KEDAR. Pediatric oncology center—Growth regulation of neuroblastoma cells (human, mice).
	P02CA-12247-03 0034 (CAP) COHEN, S. Pediatric oncology center—Cytosine arabinoside and adenine arabinoside methodology (human).
	P02CA-12247-03 0035 (CAP) TERMAN, D. Pediatric oncology center—Tumor specific antibodies (mice).
	P02CA-12247-03 0036 (CAP) HUMBERT, J. Pediatric oncology center—Neutrophil function studies (human).
	P02CA-12247-03 0037 (CAP) GILLETTE, E. Pediatric oncology center—Radiation responses of spontaneous oncology (dogs).
	R10CA-12248-03 (CCI) KRAMER, SIMON, THOMAS JEFFERSON UNIV HOSPITAL, 1025 WALNUT STREET, PHILADELPHIA, PA. Radiation therapy oncology group.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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R10CA-12250-03 (CCI) BOGARDUS, CARL R, JR, UNIVERSITY OF OKLAHOMA, 800 N E 13TH STREET, OKLAHOMA CITY, OKLA. Radiation therapy oncology group.

R10CA-12282-03 (CCI) BRADY, LUTHER W, HAHNEMANN MED COLL & HOSPITAL, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Radiation therapy oncology group.

R10CA-12255-02 (CCI) HENDRICKSON, FRANK R, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Radiation therapy oncology group.

R10CA-12250-03 (CCI) MARCIAL, VICTOR A, PUERTO RICO NUCLEAR CENTER, CAPARRA HEIGHTS STATION, SAN JUAN, P. R. Radiation therapy oncology group.

R10CA-12260-03 (CCI) PARKER, ROBERT G, UNIVERSITY HOSPITAL, 1959 NE PACIFIC AVENUE, SEATTLE, WASH. Radiation therapy oncology group.

R10CA-12261-03 (CCI) PEREZ, CARLOS A, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Radiation therapy oncology group.

R10CA-12262-03 (CCI) RUBIN, PHILIP, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Radiation therapy oncology group.

R10CA-12271-04 (CCI) JOHNSON, ROBERT O, 701C UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Central oncology group.

R10CA-12272-04 (CCI) RAMIREZ, GUILLERMO, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Central oncology group.

R10CA-12273-04 (CCI) ALTMAN, STANLEY J, LATTER-DAY SAINTS HOSPITAL, 325 8TH AVENUE, SALT LAKE CITY, UTAH. Central oncology group.

R10CA-12274-04 (CCI) ANDREWS, NEIL C, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Central oncology group.

R10CA-12275-04 (CCI) AUST, J BRADLEY, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Central oncology group.

R10CA-12276-03 (CCI) CORNELL, GEORGE N, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Central Oncology Group.

R10CA-12277-04 (CCI) DAS GUPTA, TAPAS K, UNIVERSITY OF ILLINOIS, 840 SO WOOD STREET, CHICAGO, ILL. Central oncology group.

R10CA-12279-04 (CCI) FLETCHER, WILLIAM S, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Central oncology group.

R10CA-12280-04 (CCI) GOLOMB, FREDERICK M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Central oncology group.

R10CA-12282-04 (CCI) GRAGE, THEODOR B, UNIV OF MINNESOTA HOSPITAL, 412 S E UNION STREET, MINNEAPOLIS, MINN. Central Oncology Group.

R10CA-12285-04 (CCI) MEEKER, WILLIAM R, JR, UNIVERSITY OF KENTUCKY, 800 ROSE STREET, LEXINGTON, KY. Central oncology group.

R10CA-12284-04 (CCI) KREMENTZ, EDWARD T, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Central oncology group.

R10CA-12285-04 (CCI) SPARKS, FRANK C, UNIVERSITY OF CALIFORNIA, DIV OF ONCOLOGY, 54-140 CHS, LOS ANGELES, CALIF. The central oncology group.

R10CA-12280-04 (CCI) MADDEN, ROBERT E, NEW YORK MEDICAL COLLEGE, 5TH AVENUE & 106TH STREET, NEW YORK, N. Y. Central oncology group.

R10CA-12287-04 (CCI) MINTON, JOHN P, OHIO STATE UNIVERSITY, 410 WEST TENTH AVENUE, COLUMBUS, OHIO. Central oncology group.

R10CA-12288-04 (CCI) NEALON, THOMAS F, JR, ST VINCENT'S HOSP & MED CTR, 153 WEST 11TH STREET, NEW YORK, N. Y. Central oncology group.

R10CA-12289-04 (CCI) RUSH, BENJAMIN F, JR, COLL OF MED & DENT OF N. J., 65 BERGEN STREET, NEWARK, N. J. Central oncology group.

R10CA-12290-04 (CCI) SHINGLETON, WILLIAM W, DUKE UNIVERSITY, POST OFFICE BOX 3814, DURHAM, N. C. Central oncology group.

R10CA-12294-04 (CCI) WEISS, ARTHUR J, THOMAS JEFFERSON UNIVERSITY, 1025 WALNUT STREET, PHILADELPHIA, PA. Central oncology group.

R10CA-12295-04 (CCI) WILSON, WILLIAM L, 2021 SANTA MONICA BLVD, SANTA MONICA, CALIF. Central oncology group.

R10CA-12296-04 (CCI) MITTELMAN, ARNOLD, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Cancer chemotherapy with Eastern Oncology Group.

R01CA-12301-03 (CBY) POGO, ANGEL O, NEW YORK BLOOD CENTER, 310 EAST 67TH STREET, NEW YORK, N. Y. Ribonucleoprotein particles of the cell nucleus (rats).

R01CA-12303-03 (CBY) NACHBAR, MARTIN S, NEW YORK UNIVERSITY MEDICAL CE, 550 FIRST AVENUE, NEW YORK, N. Y. Structure function relationships in plasma membranes (human).

R01CA-12306-04 (MBY) CUNNINGHAM, DENNIS D, UNIVERSITY OF CALIFORNIA, COLLEGE OF MEDICINE, IRVINE, CALIF. Initiation of fibroblast division by glucocorticoids (3T3 fibroblasts).

R01CA-12308-03 (GBN) MILMAN, GREGORY, UNIVERSITY OF CALIFORNIA, 401 BIOCHEMISTRY BUILDING, BERKELEY, CALIF. Isolation of animal cells containing suppressor tRNAs (hamsters, rabbits).

R01CA-12312-04 (PC) CLAYTON, DAVID A, STANFORD MEDICAL SCHOOL, DEPT OF PATHOLOGY, STANFORD, CALIF. Mitochondrial DNA in malignant cells (human, mice).

R01CA-12316-04 (ET) FRAENKEL-CONRAT, BEATRICE, UNIVERSITY OF CALIFORNIA, RM 230, W STANLEY HALL, BERKELEY, CALIF. Alkylation of polynucleotides in vitro and in vivo.

R01CA-12317-03 (PHRB) CREASEY, WILLIAM A, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Antitumor agents from plants (mice, rats).

R01CA-12318-03 (PTMA) MAN, TIN, ROSEWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. In vitro lymphocyte responses in Hodgkins disease (human).

R01CA-12325-04 (VR) SMITH, BALPH E, DUKE UNIVERSITY, POST OFFICE BOX 3020, DURHAM, N. C. Biochemistry of RNA tumor virus replication.

R01CA-12327-04 (ET) KIMBALL, AUBREY P, UNIVERSITY OF HOUSTON, 3801 CULLEN BOULEVARD, HOUSTON, TEX. Mechanisms of action of antileukemic drugs (mice).

R01CA-12334-03 (BT) STUDZINSKI, GEORGE P, THOMAS JEFFERSON UNIV, 1025 WALNUT STREET, PHILADELPHIA, PA. Action of aminonucleoside on normal and cancer cells.

R01CA-12336-04 (PTMB) HSU, YU-CHIH, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Embryonal tumors (mice, calves, human).

R01CA-12338-03 (PTMB) SONNENSCHWIN, CARLOS, TUFTS UNIVERSITY SCHOOL OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Somatic cell genetics—Mutations and carcinogenesis (human, rodents).

R01CA-12339-03 (PTMB) SHAM, KIBERTI V, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Virus, vitamin A and carcinogen in respiratory cancer (hamsters).

R01CA-12340-03 (VR) ROSE, SUBIR K, 1402 S GRAND BLVD, DEPARTMENT OF MICROBIOLOGY, ST LOUIS, MO. Mechanism of transformation by oncogenic RNA viruses.

R01CA-12351-04 (PTMB) STUDZINSKI, GEORGE P, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Deoxyribonucleases of tumor nuclei (human, animals).

R01CA-12359-03 (MCHB) HUDSON, MONIE S, 1283 BRENTWOOD DRIVE, SPARTENBURG, S. C. Tree sap extracts for cancer chemotherapy screening.

R01CA-12360-04 (MCHA) LEE, KUO-MSHUNG, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, N. C. Studies in medicinal chemistry—Antitumor agents.

R01CA-12361-03 (MCHB) HARMON, ROBERT E, WESTERN MICHIGAN UNIVERSITY, DEPARTMENT OF CHEMISTRY, KALAMAZOO, MICH. Synthesis of homologs of anticancer alkaloids.

R01CA-12365-03 (AR) YERGANIAN, GEORGE, CHILDREN'S CANCER RES FDN, 35 BRINEY STREET, BOSTON, MASS. Inbred dwarf hamsters for biomedical research.

R01CA-12370-04 (END) MASUI, HIROO, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Cellular function in cancer and viral transformation (mice).

P01CA-12376-03 (CAP) WYNDER, ERNEST L, AMERICAN HEALTH FOUNDATION, 1370 AVENUE OF THE AMERICAS, NEW YORK N. Y. Environmental carcinogenesis.

P01CA-12376-03 0002 (CAP) DIETRICH, HOFFMANN. Environmental carcinogenesis—Division of environmental toxicology.

P01CA-12376-03 0004 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Cancer of the kidney (human).

P01CA-12376-03 0005 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Rare cancer sites (human).

P01CA-12376-03 0006 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Prostate cancer in Negroes.

P01CA-12376-03 0007 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Papillomas of the bladder (human).

P01CA-12376-03 0008 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Large bowel polyps (human).

P01CA-12376-03 0009 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Foreign investigation.

P01CA-12376-03 0010 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Breast and gynecological cancers (human).

P01CA-12376-03 0011 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Relationship of exogenous estrogens to breast and genital cancers (human).

P01CA-12376-03 0012 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Different types of cigarettes and various tobacco-related cancers (human).

P01CA-12376-03 0013 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Estrogens and mammary cancer (human).

P01CA-12376-03 0014 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Mammary receptor sites (rats).

P01CA-12376-03 0015 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Dietary mammary cancer promotional factors (human).

P01CA-12376-03 0016 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Transplantable mammary tumors (rats).

P01CA-12376-03 0017 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Aryl hydrocarbon hydroxylase and skin carcinogenesis (mice).

P01CA-12376-03 0018 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Reduced tumorigenicity of cigarette smoke (hamsters).

P01CA-12376-03 0019 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Riboflavin deficiency in epithelial neoplasm (mice).

P01CA-12376-03 0020 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Mammary gland carcinogenesis (rats).

P01CA-12376-03 0021 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Tumor promoters (mice).

P01CA-12376-03 0022 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Alkylated chrysenes and benzo (a) pyrenes.

P01CA-12376-03 0023 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Quantitative analysis of insecticides in adipose tissue (human).

P01CA-12376-03 0024 (CAP) WYNDER, ERNEST L. Environmental carcinogenesis—Role of smegma in carcinogenesis (human, horses).

R01CA-12382-03 (VR) KUCERA, LOUIS S, BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF MICROBIOLOGY, WINSTON-SALEM, N. C. Virus associated neoplasms (rabbits).

R01CA-12383-03 (PHRB) SEIFTER, IRL, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Asparagine analogs effects of allograft, leukemia (mice).

R01CA-12386-03 (PTMB) HAYS, ESTHER F, LAB OF NUCLEAR MED & RAD BIO, 900 VETERAN AVENUE, LOS ANGELES, CALIF. Development of lymphoma in the thymus (mice).

R01CA-12389-04 (ALY) ALPERT, MORTON E, MASSACHUSETTS GENERAL HOSPITAL, GASTROINTESTINAL UNIT, BOSTON, MASS. Immunologic studies of gastrointestinal cancer (human).

R01CA-12391-03 (BBCA) ABRAHAM, DONALD J, UNIVERSITY OF PITTSBURGH, 725 SALK HALL, PITTSBURGH, PA. Molecular interactions of nucleic acids.

R10CA-12397-03 (CCI) GARDNER, FRANK H, PRESBY-UNIV OF PENNSYLVANIA, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Leukemia center (platelet) program.

R01CA-12404-04 (IAB) MOOLTEN, FREDERICK L, BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. Oncolysis by tumor antibody-diphtheria toxin conjugates (mice, guinea pig, human).

R01CA-12407-04 (MBY) GURNEY, THEODORE, JR, UNIV OF CALIFORNIA, DEPT OF MOLECULAR BIOLOGY, BERKELEY, CALIF. Control of protein synthesis in cell culture (mice, monkeys).

R01CA-12410-04 (BO) MARMAUR, JULIUS, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Role of mitochondria and cancer (yeast, E. coli).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-12411-04 (BIO) WEBB, THOMAS E, OHIO STATE UNIVERSITY, 370 W 9TH AVENUE, COLUMBUS, OHIO. Post-transcriptional control in eukaryotic cells (rats).
- R01CA-12413-03 (CBY) BLOBEL, GUNTER K, ROCKEFELLER UNIVERSITY, 66TH AND YORK AVENUE, NEW YORK, N Y. Free and membrane-bound polysomes.
- R01CA-12414-03 (END) PROUT, GEORGE R, JR, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Hormonal control of prostatic carcinoma (human).
- R01CA-12421-02 (BIO) ADAMS, JERRY M, WALTER & ELIZA HALL INST, P O, ROYAL MELBOURNE HOSPITAL, VICTORIA, 3050, AUSTRALIA. Isolation and sequence analysis of immunoglobulin mRNA (mice).
- R01CA-12422-03 (MCHA) WHISTLER, ROY L, PURDUE UNIVERSITY, DEPT OF BIOCHEMISTRY, LAFAYETTE, IND. Nucleosides of thiosugars.
- R01CA-12426-03 (BIO) BUCK, CLAYTON A, KANSAS STATE UNIVERSITY, DIVISION OF BIOLOGY, MANHATTAN, KANS. Membrane changes caused by tumor virus transformation (cell lines).
- R01CA-12427-03 (BIO) ROGERSON, ALLEN C, BRYN MAWR COLLEGE, DEPARTMENT, BRYN MAWR, PA. Amino acid control of RNA synthesis (bacteria).
- R01CA-12428-04 (PC) FRIEDBERG, ERROL C, STANFORD UNIVERSITY, STANFORD, CALIF. DNA repair and its relationship to carcinogenesis.
- R01CA-12429-03 (PHRB) SAUNDERS, GRADY F, UNIV OF TEXAS MD ANDERSON HOSP, 6723 BERTNER AVENUE, HOUSTON, TEXAS. Molecular mechanisms of drug action (Bacillus subtilis).
- P01CA-12441-04 (CAP) PARKER, ROBERT G, UNIVERSITY HOSPITAL, 1959 NE PACIFIC AVENUE, SEATTLE, WASH. Fast neutron beam radiotherapy.
- P01CA-12441-04 0001 (CAP) WOITTON, PETER. Fast neutron beam radiotherapy-Physics.
- P01CA-12441-04 0002 (CAP) JACKSON, KENNETH L. Fast neutron beam radiotherapy-Radiation biology (mice).
- P01CA-12441-04 0003 (CAP) NELSON, JANET. Fast neutron beam radiotherapy-Experimental radiation oncology (mice).
- P01CA-12441-04 0004 (CAP) PARKER, ROBERT G. Fast neutron beam radiotherapy-Clinical radiation oncology (human).
- R10CA-12443-04 (CCI) MELLINGER, GEORGE T, VETERANS ADMIN HOSPITAL, 4801 LINWOOD BLVD, KANSAS CITY, MO. Veterans administration cooperative urological research groups.
- R01CA-12447-04 (RAD) ACHRY, PHILIP M, UNIVERSITY OF FLORIDA, 407 NUCLEAR SCIENCES CENTER, GAINESVILLE, FLA. Biological and physical action of radiation on DNA (bacteria).
- R01CA-12448-04 (END) GELLER, JACK, MERCY HOSPITAL & MED CENTER, 4077 FIFTH AVENUE, SAN DIEGO, CALIF. Effect of progesterone on prostate size and morphology (human).
- R10CA-12449-04 (CCI) CAREY, ROBERT W, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Acute leukemia group B-Boston group.
- R01CA-12455-03 (MBY) BRANSOME, EDWIN D, JR, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF MEDICINE, AUGUSTA, GA. Growth and function in cells transformed by mycoplasma (mice, human).
- R01CA-12456-04 (PTHB) FIDLER, ISAIAH J, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA. Analysis of the mechanisms of cancer metastasis (mice, dogs).
- R01CA-12461-04 (PTHB) WHELOCK, E FREDERICK, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Suppression of established leukemia virus infection (mice).
- R01CA-12462-04 (BBCB) SARMA, RAMASWAMY H, S U N Y - AT ALBANY, 1400 WASHINGTON AVENUE, ALBANY, N Y. Magnetic resonance studies of biological interactions.
- R01CA-12464-04 (MBB) HIRSCH, MARTIN S, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Immune reactivity and oncogenic virus infections (mice).
- R01CA-12467-04 (CBY) WEBER, MICHAEL J, UNIVERSITY OF ILLINOIS, 131 BURRILL HALL, URBANA, ILL. Early cell-surface changes in oncogenesis (chick embryo, viruses).
- R01CA-12468-04 (MBY) DOZEMAA, PHILIP, KANSAS STATE UNIV, DIV OF BIOLOGY, MANHATTAN, KANS. Melanosome proteins and control by pigmentation genes (mice).
- R01CA-12472-03 (VR) ROBB, JAMES A, DEPARTMENT OF PATHOLOGY, UNIV OF CALIFORNIA SAN DIEGO, LA JOLLA, CALIF. Molecular mechanism of viral (SV 40) carcinogenesis.
- R01CA-12473-03 (MBB) SELL, STEWART, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PATHOLOGY, LA JOLLA, CALIF. Model system for the study of tumor associated antigen (rats, guinea pigs).
- R10CA-12476-04 (CCI) HRSHCHYSHYN, MYROSLAW M, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N Y. Gynecologic oncology group.
- R10CA-12477-04 (CCI) BOYCE, CHARLES R, WAYNE ST UNIV SCH OF MED, 432 E HANCOCK, DETROIT, MICH. Gynecologic oncology group.
- R10CA-12478-04 (CCI) BRADY, LUTHER W, HAHNEMANN MED COL & HOS, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Gynecologic oncology group.
- R10CA-12481-04 (CCI) KAPLAN, STEPHEN R, ROGER WILLIAMS GENERAL HOSP, 825 CHALKSTONE AVENUE, PROVIDENCE, R I. Gynecologic oncology group.
- R10CA-12482-04 (CCI) RUDOLPH, JEROME H, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Gynecologic oncology group.
- R10CA-12483-04 (CCI) SALL, SANFORD, NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AT 106TH STREET, NEW YORK, N Y. Gynecologic oncology group.
- R10CA-12484-04 (CCI) SHINGLETON, HUGH M, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Gynecologic oncology group (human).
- R10CA-12485-04 (CCI) WILBANKS, GEORGE D, JR, RUSH MEDICAL COLLEGE, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Gynecologic oncology group (human).
- R01CA-12491-03 (PTHB) SKIBBA, JOSEPH L, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Viral induction of thymic lymphosarcomas in rats (also mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-12496-04 (RAD) CARTER, DAVID M, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Susceptibility of cutaneous cells to DNA injury by UV (rodents).
- R01CA-12503-04 (PTHB) SIVAK, ANDREW, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Neoplastic growth and cell cycle control (mice).
- R01CA-12504-04 (PTHB) MILLER, ORLANDO J, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Suppression of malignancy in cell hybrids (mice).
- R01CA-12513-04 (ET) KALMAN, SUMNER M, 300 PASTEUR DRIVE, STANFORD, CALIF, STANFORD, CALIF. Regulatory role of estrogen in hamster tumors.
- R01CA-12519-03 (END) GREENWOOD, FREDERICK C, UNIVERSITY OF HAWAII, 1960 EAST WEST ROAD, HONOLULU, HAWAII. Identity and radioassay of prolactin in breast cancer (human).
- R01CA-12523-03 (VIS) KROHN, DAVID L, INST FOR MED RES & STUDIES, 220 EAST 23RD STREET, NEW YORK, N Y. Detection and treatment of model choroidal melanoma (humans, rabbits).
- R01CA-12528-03 (MCHA) STAMMER, CHARLES H, UNIVERSITY OF GEORGIA, CHEMISTRY DEPARTMENT, ATHENS, GA. Hydroxylamine derivatives.
- R10CA-12534-04 (CCI) CREASMAN, WILLIAM T, DUKE UNIVERSITY MED CENTER, P O BOX 3079, DURHAM, N C. Gynecologic oncology group.
- R10CA-12535-04 (CCI) BARLOW, JOSEPH J, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, NY. Gynecologic oncology group.
- P01CA-12536-04 (CAP) ROSSI, HARALD H, COLUMBIA UNIVERSITY, 630 WEST 168TH ST, NEW YORK, N Y. Effects of small doses of ionizing radiation.
- P01CA-12536-04 0001 (CAP) SHELLABARGER, CLAIRE J. Effects of small doses of ionizing radiation-Radiation carcinogenesis (rats).
- P01CA-12536-04 0003 (CAP) HALL, ERIC J. Effects of small doses of ionizing radiation-Malignant transformation of mammalian cells (hamsters).
- P01CA-12536-04 0004 (CAP) GONZALEZ, FRANK W. Effects of small doses of ionizing radiation-Genetic effects (Drosophila).
- P01CA-12536-04 0005 (CAP) ROSSI, HARALD H. Effects of small doses of ionizing radiation-Dependence of chromosome injury on radiation quality.
- P01CA-12536-04 0006 (CAP) UNDERBRINK, ALAN. Effects of small doses of ionizing radiation-Aberrations, mutations and lethality in Tradescantia.
- P01CA-12536-04 0007 (CAP) HALL, ERIC J. Effects of small doses of ionizing radiation-RBE and OER for Vicia faba.
- P01CA-12536-04 0008 (CAP) LARSON, J D. Effects of small doses of ionizing radiation-Beam optics of the Van de Graaff generator.
- P01CA-12536-04 0009 (CAP) BOREK, CARMMA. Effects of small doses of ionizing radiation-X-ray cell transformation of rat and hamster embryos.
- P01CA-12536-04 0010 (CAP) LEHNERT, SHIRLEY. Effects of small doses of ionizing radiation-Relationship of intracellular cyclic AMP and radiosensitivity (rat, hamster).
- R01CA-12538-03 (BIO) YIELDING, K LEMONE, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. Cancer-Cell regulation and DNA repair (human, cattle, bacteria).
- R01CA-12540-03 (BBCA) O'KONSKI, CHESTER T, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Electro-optic instrumentation and applications in biology.
- P01CA-12542-03 (CAP) FLETCHER, GILBERT H, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Fast neutron therapy with TAMVEC cyclotron.
- P01CA-12542-03 0001 (CAP) FLETCHER, GILBERT H. Fast neutron therapy with TAMVEC cyclotron-Physics.
- P01CA-12542-03 0002 (CAP) FLETCHER, GILBERT H. Fast neutron therapy with TAMVEC cyclotron-Cellular radiobiology (human, hamsters).
- P01CA-12542-03 0003 (CAP) FLETCHER, GILBERT H. Fast neutron therapy with TAMVEC cyclotron-Tissue radiobiology (swine, miniature, monkeys).
- P01CA-12542-03 0004 (CAP) FLETCHER, GILBERT H. Fast neutron therapy with TAMVEC cyclotron-Animal therapy (dogs, cats).
- P01CA-12542-03 0005 (CAP) FLETCHER, GILBERT H. Fast neutron therapy with TAMVEC cyclotron-Clinical trial in human cancer.
- R01CA-12550-04 (CBY) MARTIN, TERENCE E, UNIVERSITY OF CHICAGO, 915 EAST 57TH STREET, CHICAGO, ILL. RNA synthesis and transport in mammalian cells (mice, rabbits, chickens).
- R01CA-12557-03 (VR) OXMAN, MICHAEL N, CHILDRENS HOSPITAL MEDICAL CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. SV40-Genetic analysis and oncogenic transformation.
- R01CA-12561-03 (VR) WRISS, SAMUEL B, 950 EAST 59TH STREET, CHICAGO, ILL. Virus development and translational control.
- R01CA-12563-04 (BIO) STELLWAGEN, ROBERT H, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Mechanisms of enzyme induction by cyclic nucleotides (rats).
- R01CA-12565-03 (MBC) SKOGERSON, LAWRENCE E, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N Y. Genetic control of macromolecular synthesis.
- R01CA-12568-04 (MCHA) WEINREB, STEVEN M, FORDHAM UNIVERSITY, DEPARTMENT OF CHEMISTRY, BRONX, N Y. Chemical studies on potential antitumor agents.
- R01CA-12574-04 (PC) BROWN, JERRY L, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Modification of NH2-terminal region of proteins (E coli, mice, chickens).
- P01CA-12582-04 (CAP) MORTON, DONALD L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF SURGERY, LOS ANGELES, CALIF. Multidisciplinary cancer diagnosis and therapy.
- P01CA-12582-04 0001 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Monitoring immunologic competence of cancer patients.
- P01CA-12582-04 0002 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Antigenic specificity of different histologic types of neoplasms (human).
- P01CA-12582-04 0003 (CAP) REISFELD, RALPH. Multidisciplinary cancer diagnosis and therapy-Isolation and purification of human tumor antigens.
- P01CA-12582-04 0004 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Correlation of immune response with cancer course.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-12582-04 0005 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Immunotherapy experiments in animal (tumor host systems).

P01CA-12582-04 0006 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Active immunotherapy adjunct to cancer surgery.

P01CA-12582-04 0007 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Non-specific immunotherapy.

P01CA-12582-04 0008 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Passive immunotherapy with antitumor sera.

P01CA-12582-04 0009 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Adoptive immunotherapy.

P01CA-12582-04 0010 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Combination chemo-immunotherapy.

P01CA-12582-04 0011 (CAP) MORTON, DONALD L. Multidisciplinary cancer diagnosis and therapy-Immunovirology studies (human, mammals).

R01CA-12585-04 (PHRB) BLOCH, ALEXANDER, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Development of antitumor nucleosides (animals, bacteria).

R01CA-12586-02 (PHRB) BRODSKY, ISADORE, HAHNEMANN MEDICAL COLLEGE, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Lymphocyte metabolism and therapy of viral leukemia.

R01CA-12589-03 (BBCA) TODD, PAUL W, PENNSYLVANIA STATE UNIV, 618 LIFE SCIENCES BLDG 1, UNIVERSITY PARK, PA. Cell electrophoresis for cancer diagnosis (mammals).

R01CA-12590-04 (SSS) WECHSLER, JAMES A, COLUMBIA UNIVERSITY, 119TH ST & AMSTERDAM AVENUE, NEW YORK, N. Y. Control of normal and abnormal chromosome growth (E coli).

R01CA-12591-03 (MCHA) CHU, SHIH-HSI, ASSOC PROF OF BIOCHEM PHARM, BROWN UNIVERSITY, PROVIDENCE, R. I. Synthesis of new ribonucleoside 3, 5 cyclic phosphates.

R01CA-12600-04 (GEN) RIZKI, TAHIR M, UNIVERSITY OF MICHIGAN, 3128 NATURAL SCIENCE BLDG, ANN ARBOR, MICH. Incorporation of BUdR into DNA and neoplastic growth (Drosophila).

R01CA-12607-03 (CBY) ESTENSEN, RICHARD D, UNIVERSITY OF MINNESOTA, DEPARTMENT OF PATHOLOGY, MINNEAPOLIS, MINN. Mechanisms of cytoplasmic division (bacteria, toads).

R01CA-12617-03 (MCHA) HEATHCOCK, CLAYTON H, UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, BERKELEY, CALIF. Synthesis of isoprenoid anti-tumor compounds.

R01CA-12618-01 (MCHB) PIATAK, DAVID M, NORTHERN ILLINOIS UNIVERSITY, DEPARTMENT OF CHEMISTRY, DE KALB, ILL. Cancer inhibitors from asclepiads.

R01CA-12626-03 (MIB) PARKER, CHARLES W, WASHINGTON UNIVERSITY MED SCH, 4550 SCOTT ST, ST LOUIS, MO. Cytotoxic antitumor antibodies (rabbits, mice, humans).

R01CA-12627-03 (BO) WARNER, ROBERT C, UNIVERSITY OF CALIFORNIA, DEPT MOLECULAR AND CELL BIOLOG, IRVINE, CALIF. Polynucleotides and nucleic acids (bacteria).

R01CA-12631-03 (ALY) TODD, CHARLES W, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Immunology and immunochemistry of tumor antigens (human).

R01CA-12635-03 (PTHB) HOLLANDER, VINCENT P, HOSP FOR JOINT DISEASES, 1919 MADISON AVE, NEW YORK, N. Y. Pathogenesis of plasma cell tumors (mice).

R10CA-12637-03 (CCI) VITALE, LEONARD F, NEW JERSEY COLL OF MED & DENT, 100 BERGEN STREET, NEWARK, N. J. Childrens cancer study group A.

R10CA-12639-03 (CCI) GARDNER, FRANK H, PRESBYTERIAN-UNIV OF PA MED CT, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Southeastern cancer study group.

R10CA-12640-03 (CCI) KNOSP, WILLIAM H, RUSH-PRESBY-ST LUKES MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Southeastern cancer study group.

R01CA-12642-03 (MCHA) CLARKE, DONALD D, FORDHAM UNIVERSITY, DEPT OF CHEMISTRY, BRONX, N. Y. Inhibitors of asparagine synthesis (mice, rats, human, pigs).

R01CA-12643-03 (GEN) SCHNEIDERMAN, HOWARD A, UNIVERSITY OF CALIFORNIA, CENTER FOR PATHOBIOLOGY, IRVINE, CALIF. Genetically controlled malignant neoplasms (Drosophila).

R10CA-12644-03 (CCI) HOOGSTRAEM, BARTH, UNIVERSITY OF KANSAS, RAINBOW BLVD AT 39TH STREET, KANSAS CITY, KANS. Southwest cancer chemotherapy study group.

R01CA-12644-03 (PHRB) RUDMAN, DANIEL, EMORY UNIV SCH OF MED, DEPARTMENT OF MEDICINE, ATLANTA, GA. Abnormal metabolism of cancer patients.

R01CA-12650-03 (PHRB) YUSHOK, WASLEY D, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE FOX CHASE, PHILADELPHIA, PA. Regulation of metabolism of ascites tumor cells (mice).

R01CA-12657-03 (MCHA) RAO, KOPPAKA V, UNIVERSITY OF FLORIDA, J HILLIS MILLER HLTH CTR, GAINESVILLE, FLA. Synthesis of streptonigrin and related compounds.

R01CA-12658-03 (MCHB) POSNER, GARY H, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Total synthesis of a potential anti-tumor lactone.

R01CA-12640-03 (PTHB) OLER, ALBERT, STATE UNIVERSITY OF NEW YORK, 766 IRVING AVE, SYRACUSE, N. Y. Adaptation during carcinogenesis (rats, mice, hamsters).

P01CA-12662-03 (CAP) HELLMAN, SAMUEL, HARVARD MEDICAL SCHOOL, SHIELDS WARREN RADIATION LAB, BOSTON, MASS. Cancer research center.

P01CA-12662-03 0001 (CAP) ADELSTEIN, S JAMES. Cancer research center-Regulation of thymidine kinase in relation to cell division (mice).

P01CA-12662-03 0003 (CAP) BELLI, JAMES A. Cancer research center-Radiation response of mammalian cells (hamsters).

P01CA-12662-03 0004 (CAP) HELLMAN, SAMUEL. Cancer research center-Proliferation and differentiation of stem cells (mice, rabbits).

P01CA-12662-03 0006 (CAP) ORDER, STANLEY E. Cancer research center-Tumor specific antigen in Hodgkins disease and lymphosarcoma (human, rabbits, mic).

P01CA-12662-03 0009 (CAP) BJARNGARD, BENGT. Cancer research center-Physical aspects of proton therapy (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-12662-03 0011 (CAP) ROSOFF, CHESTER B. Cancer research center-Radiation response and the intestinal bacterial flora.

P01CA-12662-03 0012 (CAP) ORDER, STANLEY E. Cancer research center-Murine ovarian carcinoma.

P01CA-12662-03 0013 (CAP) KOHN, HENRY I. Cancer research center-Histocompatibility mutations (mice).

R01CA-12663-03 (GEN) BAILEY, DONALD W, JACKSON LABORATORY, BAR HARBOR, MAINE. Genetics of immune response to tumor antigens (mice).

R01CA-12668-03 (PTHB) MILES, CHARLES P, UNIV OF UTAH COLLEGE OF MED, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Pathology of the nucleus and chromosomes in cancer (human).

R01CA-12686-02 (PTHB) BREEDIS, CHARLES, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Differentiation during progression to malignancy (rabbits).

R01CA-12687-03 (PTHB) TRUJILLO, JOSE M, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Cytogenetic and ultrastructural studies in leukemia (human).

R01CA-12689-03 (PTHB) MORAHAN, PAGE S, VIRGINIA COMMONWEALTH UNIV, HEALTH SCIENCES DIVISION, RICHMOND, VA. Interferon antagonists in tumors and embryonic tissues (chick embryo, mice, human).

R01CA-12691-02 (RAD) BYFIELD, JOHN E, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. In vitro assay of human cancer chemical radiosensitization (also mice).

R01CA-12693-03 (RAD) WALLACE, SUSAN S, UNIVERSITY OF NEW YORK, BEDFORD PARK BOULEVARD, BRONX, N. Y. Modification of x-ray induced damages in phase T4.

R01CA-12699-03 (RAD) LUDWIG, FREDERIC C, UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY, IRVINE, CALIF. Manipulation of preleukemic change in whole-body irradiated mice.

R01CA-12705-03 (VR) LEVINSON, WARREN E, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MICROBIOLOGY, SAN FRANCISCO, CALIF. Replication and cellular transformation (chickens).

P01CA-12707-03 (CAP) GREENWALD, PETER, N. Y. STATE DEPT OF HEALTH, 84 HOLLAND AVENUE, ALBANY, N. Y. Cancer epidemiology program grant.

P01CA-12707-03 0001 (CAP) GREENWALD, PETER. Cancer epidemiology program grant-Prostate cancer (human).

P01CA-12707-03 0002 (CAP) GREENWALD, PETER. Cancer epidemiology program grant-Cervix cancer (human).

P01CA-12707-03 0003 (CAP) GREENWALD, PETER. Cancer epidemiology program grant-Stomach cancer (human).

P01CA-12707-03 0004 (CAP) GREENWALD, PETER. Cancer epidemiology program grant-Leukemia-lymphoma-multiple myeloma (human).

P01CA-12707-03 0005 (CAP) GREENWALD, PETER. Cancer epidemiology program grant-Surveillance (human).

P01CA-12707-03 0006 (CAP) GREENWALD, PETER. Cancer epidemiology program grant-Record linking (human).

P01CA-12707-03 0007 (CAP) GREENWALD, PETER. Cancer epidemiology program grant-Colon cancer (human).

P01CA-12708-03 (CAP) HOAGLAND, MAHLON B, WORCESTER FDN/EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Studies of normal and malignant growth.

P01CA-12708-03 0001 (CAP) FAIRBANKS, GRANT. Studies of normal and malignant growth-Phosphorylation of human erythrocyte membrane proteins.

P01CA-12708-03 0002 (CAP) HOSOKAWA, KEICHI. Studies of normal and malignant growth-Ribosome structure and function (human, rats, rabbits, microorganisms).

P01CA-12708-03 0003 (CAP) HOAGLAND, MAHLON B. Studies of normal and malignant growth-Organization of protein synthetic machinery (mammals).

P01CA-12708-03 0005 (CAP) BARN, BETTY. Studies of normal and malignant growth-Effect of nitrosourea derivatives on DNA polymerases in rat liver.

P01CA-12708-03 0006 (CAP) BARN, BETTY. Studies of normal and malignant growth-Regulation of DNA synthesis in normal and cancer cells (human, rats).

P01CA-12708-03 0007 (CAP) HOCHSTADT, JOY. Studies of normal and malignant growth-Subcellular membrane vesicles system (tissue culture, animals, bacteria).

P01CA-12708-03 0008 (CAP) MCGUIRE, ROBERT F. Studies of normal and malignant growth-Membrane structural alterations in response to catecholamines (mammals).

P01CA-12708-03 0009 (CAP) OZER, HARVEY L. Studies of normal and malignant growth-Role of host functions in tumor virus infection (mice, hamsters).

P01CA-12708-03 0010 (CAP) PEDERSON, THORU. Studies of normal and malignant growth-Chromatin structure in eukaryotic cells (human).

P01CA-12708-03 0011 (CAP) TAKAGI, MASAMICHI. Studies of normal and malignant growth-Free and membrane-bound ribosomes in animal cells.

P01CA-12708-03 0012 (CAP) WEIGHING, ROBERT R. Studies of normal and malignant growth-Molecular mechanisms of movement in non-muscle (human tissue culture).

R01CA-12710-03 (ALY) HAKOMORI, SEN-ITIROH, UNIVERSITY OF WASHINGTON, DEPT OF PATHOBIOLOGY SC-38, SEATTLE, WASH. Relation of bloodgroup and human tumor-antigens.

R01CA-12711-03 (BIO) MUNSON, BENJAMIN R, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Soluble mammalian RNA polymerase (mice, friend virus).

R01CA-12712-03 (BIO) STRECKER, HAROLD J, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVE, BRONX, N. Y. Protein turnover in normal and transformed animal cells (rats).

R01CA-12714-03 (BIO) KALF, GEORGE F, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Cytoplasmic factors and mitochondrial DNA synthesis (rats).

R01CA-12717-03 (MBC) FELKNER, IRA C, TEXAS TECH UNIVERSITY, DEPT OF BIOLOGY, LUBBOCK, TEX. The interaction of 4NQO and DNA (bacillus subtilis).

R01CA-12718-03 (M&Y) MOSKOWITZ, MERWIN, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Membrane properties of normal and tumor cells (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R10CA-12721-03 (CCI) ZELIN, MARVIN, STATISTICAL LABORATORY, 4230 RIDGE LEA ROAD, AMHERST, N. Y. Cancer clinical investigation coordinating center A.
- R01CA-12726-03 (END) BERNFIELD, PETER, BIO-RESEARCH INST, INC, 9 COMMERCIAL AVENUE, CAMBRIDGE, MASS. A new human blood factor purification.
- R01CA-12732-03 (PHRB) ROBERTS, BUFORD D, ST JUDE CHILDRENS RES HOSP, 332 N LAUDERDALE PO BOX 318, MEMPHIS, TENN. Pharmacological response to oncolytic drugs (human, mice).
- R01CA-12733-03 (PHRB) FURUSAWA, EICHI, UNIV OF HAWAII, 3675 KILAUEA AVENUE, HONOLULU, HAWAII. Anti-leukemic narcissus alkaloid.
- R01CA-12736-02 (PHRB) RICE, FREDERICK A, DEPARTMENT OF CHEMISTRY, AMERICAN UNIVERSITY, WASHINGTON, D C. Leucogenol and basic compounds of the adrenals (rat).
- R01CA-12737-03 (BT) PREISLER, HARVEY, MOUNT SINAI SCHOOL OF MED, 11 E 100 STREET, NEW YORK, N. Y. RNA and protein metabolism of acute leukemia cells (human).
- R01CA-12741-03 (PC) HEDGCOTH, CHARLIE, JR, KANSAS STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, MANHATTAN, KANS. Effect of virus-induced transformation on tRNA (mice, virus).
- R01CA-12742-03 (PC) KERR, SYLVIA J, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Lack of control of tRNA methylases in tumor tissue (rabbits).
- R01CA-12743-03 (PHRB) HOUCK, JOHN C, CHILDRENS HOSPITAL OF THE D C, 215-13TH STREET, N W, WASHINGTON, D C. Specific mitotic inhibition of leukemic lymphocytes.
- R01CA-12752-03 (MBY) JONES, GEORGE H, UNIVERSITY OF MICHIGAN, DEPT OF ZOOLOGY, ANN ARBOR, MICH. Protein synthesis in tumors (mice, bacteria).
- R01CA-12753-03 (PC) GRIMES, WILLIAM J, UNIVERSITY OF ARIZONA, COLLEGE OF MEDICINE, TUCSON, ARIZ. Cell surfaces and transformation.
- R01CA-12754-03 (SOYA) PERSIDSKY, MAXIM D, INSTITUTE OF MEDICAL SCIENCES, 2340 CLAY STREET, SAN FRANCISCO, CALIF. Long-term banking of bone marrow for clinical use (human, rodents).
- R01CA-12757-03 (RAD) KRITCHMAR, ARTHUR L, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Hemopoietic stem cell-Relation to CFC and CFU (mice).
- R01CA-12758-02 (RAD) LOONEY, WILLIAM B, UNIV OF VIRGINIA HOSP, BOX 260, CHARLOTTESVILLE, VA. Modification of tumor growth in hepatomas by radiation (rats).
- R01CA-12759-03 (RAD) KNOX, JOHN M, BAYLOR COLLEGE OF MEDICINE, 1200 MOORSUND AVENUE, HOUSTON, TEXAS. Effect of environmental factors on ultraviolet injury (mice, rabbits).
- R01CA-12763-03 (PHRB) GAUDIN, DAVID, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. Mutation repair and environmental carcinogens.
- R01CA-12764-03 (ET) GARATTINI, SILVIO, ISTITUTO DI RICERCA FARMACOLOGICA, VIA ERITREA, 62, MILANO, ITALY. Selective inhibitors of cancer metastasis (mice, rats).
- R01CA-12765-03 (ET) RUDDON, RAYMOND W, UNIV OF MICHIGAN MED SCH, M 6322 MED SCIENCE I, ANN ARBOR, MICH. Role of nuclear proteins in the neoplastic process (mice, rats).
- R01CA-12779-02 (PTHB) NOWELL, PETER C, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Leukocyte regulatory mechanisms (human, mice, rats).
- R01CA-12781-03 (PTHA) DUFFY, PHILIP E, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Brain tumor culture, electron microscopy and polyamines (human).
- R01CA-12784-03 (BBCA) LEBOWITZ, JACOB, BIOLOGICAL RESEARCH LABS, 130 COLLEGE PLACE, SYRACUSE, N. Y. Circular DNA-implications for cancer and drug resistance.
- R01CA-12786-03 (MAB) LO BUGLIO, ALBERT F, OHIO STATE UNIV HOSPITAL, 410 W 10TH AVENUE, COLUMBUS, OHIO. Modification of cellular immunity to neoplasia in man.
- R01CA-12787-03 (MAB) BORELLA, LUIS D, ST JUDE CHILDRENS RES HOSP, 332 N LAUDERDALE, P O BOX 318, MEMPHIS, TENN. Immunocompetent cells in acute lymphocytic leukemia (human).
- R01CA-12788-03 (MAB) WALFORD, ROY L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PATHOLOGY, LOS ANGELES, CALIF. Immunogenetic mechanisms and cancer in congenic mice.
- R01CA-12790-03 (PHRB) LICHTMAN, MARSHALL A, SCHOOL OF MED & DENTISTRY, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Substrate transport in human leukocytes.
- R01CA-12791-03 (PHRB) GALE, GLEN R, USVA HOSPITAL, 109 BEE STREET, CHARLESTON, S C. Pharmacology of platinum compounds (mice).
- R01CA-12794-03 (VR) JORDAN, JOHN M, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Viral gene function in malignant transformation (human).
- R01CA-12795-03 (VR) LARSON, CARL L, UNIVERSITY OF MONTANA, STELLA DUNCAN MEM INST, MISSOULA, MONT. Nonspecific resistance to viral-induced tumors (mice).
- R01CA-12796-03 (VR) BRILES, WORTHIE E, NORTHERN ILLINOIS UNIVERSITY, DEPT OF BIOLOGICAL SCIS, DE KALB, ILL. Isohemagglutinins for avian RNA tumor receptors.
- P01CA-12800-03 (CAP) FAHEY, JOHN L, MEDICAL MICROBIO & IMMUNOLOGY, UNIV OF CALIFORNIA, LOS ANGELES, CALIFORNIA. Immune functions and cancer.
- P01CA-12800-03 0001 (CAP) FAHEY, JOHN L. Immune functions and cancer-Proliferation and differentiation of lymphoid cells (human, mice).
- P01CA-12800-03 0002 (CAP) FAHEY, JOHN L. Immune functions and cancer-Tumor immunology (human, rats).
- P01CA-12800-03 0003 (CAP) WILLIAMSON, ALAN. Immune functions and cancer-Differentiation (mice, frogs).
- P01CA-12800-03 0004 (CAP) WETTSTEIN, FELIX O. Immune functions and cancer-Control of membrane IgM synthesis (human).
- P01CA-12800-03 0005 (CAP) ASHMAN, ROBERT. Immune functions and cancer-Lymphoid cell surfaces (human, mice, rabbits).
- P01CA-12800-03 0006 (CAP) STELLNER, KLAUS. Immune functions and cancer-Glycolipid components of lymphocyte and tumor cells.
- P01CA-12800-03 0007 (CAP) BONAVIDA, BENJAMIN. Immune functions and cancer-Humoral and immune cell interrelations (human, mice, rats).
- P01CA-12800-03 0008 (CAP) ZIGHELBOIM, J. Immune functions and cancer-General immunological evaluations (human).
- P01CA-12800-03 0009 (CAP) KESSLER, S. Immune functions and cancer-Immunoglobulin receptors (rabbits, human, mice).
- P01CA-12800-03 0010 (CAP) THIRIAE, T. Immune functions and cancer-Lymphoid cell surfaces-HLA antigens (rabbits).
- P01CA-12800-03 0011 (CAP) BONAVIDA, BENJAMIN. Immune functions and cancer-Preclinical immunotherapy (mice).
- P01CA-12800-03 0012 (CAP) KEDAR, F. Immune functions and cancer-Tumor cell destruction by lymphoid cells (human, mice, rats).
- P01CA-12800-03 0013 (CAP) DELANDAZURI, M ORTIZ. Immune functions and cancer-Immune response to virus-induced lymphoma (rats).
- P01CA-12800-03 0014 (CAP) BOVER, P. Immune functions and cancer-Responses to murine plasmacytomas.
- P01CA-12800-03 0015 (CAP) ZIGHELBOIM, J. Immune functions and cancer-Antibody dependent cellular cytotoxicity assay (human).
- P01CA-12800-03 0016 (CAP) OSSORIO, C. Immune functions and cancer-T cell responses to mitogens (human).
- P01CA-12800-03 0017 (CAP) HAUSMAN, M. Immune functions and cancer-Macrophage function (human).
- P01CA-12800-03 0018 (CAP) SHACKS, SAMUEL. Immune functions and cancer-Soluble factors influencing lymphoid and macrophage functions (human).
- P01CA-12800-03 0019 (CAP) BLOOM, E. Immune functions and cancer-Immunology of human tumors.
- P01CA-12800-03 0020 (CAP) FAHEY, JOHN L. Immune functions and cancer-Adjuvantic and specific immunotherapy.
- P01CA-12800-03 0021 (CAP) GALE, R. Immune functions and cancer-Bone marrow transplantation (human, rats).
- P01CA-12800-03 0022 (CAP) ASHMAN, ROBERT. Immune functions and cancer-Immune deficiency syndromes (human).
- R01CA-12800-03 (MBY) FRITZ, PAUL J, PENNSYLVANIA STATE UNIVERSITY, DEPT OF PHARMACOLOGY, HERSHEY, PA. Protein turnover during neoplasia (rats).
- R01CA-12809-03 (MBY) SILBER, JACK G, WISTAR INSTITUTE, 36TH & SPRUCE STREETS, PHILADELPHIA, PA. Protein initiation in a model mammalian cell-free system (chick embryo).
- R01CA-12810-03 (MBY) LEMBACH, KENNETH J, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Proteases as growth stimulators of animal cells (mice).
- R01CA-12816-07 (MCHB) LWOWSKI, WALTER, NEW MEXICO STATE UNIVERSITY, P O BOX 3C, LAS CRUCES, N. M. Cyclic aminimides as alkylating agents (bacteria).
- R01CA-12818-03 (BIO) LOEB, LAWRENCE A, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. DNA polymerases in normal and leukemic lymphocytes (human).
- R01CA-12823-03 (MCHA) BROOM, ARTHUR D, COLLEGE OF PHARMACY, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Pyrido 2, 3-D pyrimidine nucleosides as antitumor agents.
- R01CA-12825-03 (PTHB) LI, MIN C, NASSAU HOSPITAL, MINEOLA, N. Y. Enhancing antineoplastic effect of germ-cell tumors (mice, human).
- R01CA-12827-03 (PTHB) TAUB, ROBERT N, MOUNT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Immunotherapy of acute leukemia (humans).
- R01CA-12831-03 (MCHB) KINGSTON, DAVID G, VIRGINIA POLYTECHNIC INST, DEPARTMENT OF CHEMISTRY, BLACKSBURG, VA. Plant tumor inhibitors.
- R01CA-12836-03 (PHRB) HILF, RUSSELL, UNIV OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Biochemical basis of hormone responsiveness in breast (human, rats).
- R01CA-12842-03 (BIO) DUNLAP, R BRUCE, UNIVERSITY OF SOUTH CAROLINA, DEPARTMENT OF CHEMISTRY, COLUMBIA, S C. Mechanisms of action of thymidylate synthetase (bacteria).
- R01CA-12843-03 (HEMA) PIERRE, ROBERT V, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Chromosome analyses in the diagnosis of preleukemia (human).
- R01CA-12844-03 (MAB) CUDKOWICZ, GUSTAVO, S U N Y-AT BUFFALO, 204 CAPEEN HALL, BUFFALO, N. Y. Controls of proliferation specific for leukemias (mice).
- R01CA-12850-03 (PTHB) HUANG, LUKE H, WILLS EYE HOSPITAL & RES INST, 1601 SPRING GARDEN STREET, PHILADELPHIA, PA. Retinal cells in tissue culture (human, rabbits, rodents).
- R01CA-12851-03 (ALY) SANDERS, ROB G, UNIVERSITY OF TEXAS AT AUSTIN, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX. Embryonic and virally induced tumor cell membrane antigens (chickens, human).
- R01CA-12852-03 (SSS) DAMADIAN, RAYMOND V, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Tumor detection by nuclear magnetic resonance (rats, mice, human).
- R01CA-12853-03 (PC) JI, YAE H, UNIVERSITY OF WYOMING, UNIVERSITY STATION, BOX 3944, LARAMIE, WYO. Membranes of leukemic and normal human leukocytes.
- R01CA-12854-03 (BIO) WONG, TING-WA, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. RNA sulfur-transferase in normal liver and hepatomas (rats).
- R01CA-12857-03 (MBY) EBNER, KURT E, OKLAHOMA STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, STILLWATER, OKLA. Function and interactions of mammary carcinoma cells (rats).
- R01CA-12858-03 (MBY) STAHL, PHILIP D, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Biogenesis of lysosomes-Normal and neoplastic tissues (rats).
- R01CA-12859-03 (MCHA) RODIG, OSCAR R, UNIVERSITY OF VIRGINIA, DEPT OF CHEMISTRY, CHARLOTTESVILLE, VA. Biological C-methylation reactions (Penicillium citrinum).
- R01CA-12869-04 (SGYA) HUMPHREY, LOREN J, UNIVERSITY OF KANSAS MED CTR, RAINBOW BLVD & 39TH STREET, KANSAS CITY, KANS. Kansas breast study (human).
- R01CA-12870-04 (PHRB) PRETLOW, THOMAS G, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA. Pathological cells from human tumors.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01CA-12876-03 (MCHA) TAYLOR, EDWARD C, PRINCETON UNIVERSITY, DEPARTMENT OF CHEMISTRY, PRINCETON, N. J. Chemical and biochemical studies of pleridines (bacteria, animals).
- R01CA-12877-04 (MAY) LANGAN, THOMAS A, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Properties and function of nuclear phosphoproteins (rats, mice).
- R10CA-12880-03 (CCI) OBERFIELD, RICHARD A, 605 COMMONWEALTH AVENUE, BOSTON, MASS. Eastern cooperative oncology group.
- R10CA-12884-03 (CCI) LEE, STANLEY L, JEWISH HOSPITAL & MEDICAL CTR, 555 PROSPECT PLACE, BROOKLYN, N. Y. Acute leukemia group B.
- R01CA-12892-02 (MAB) DORNFEST, BURTON S, SUNY-DOWNSTATE MED CENTER, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Reticuloendothelial function in the leukemic rat.
- R01CA-12895-01 (VR) NEIMAN, PAUL E, U S PUBLIC HLTH SERVICE HOSP, 1131 14TH AVENUE SOUTH, SEATTLE, WASH. Molecular mechanisms in neoplasia (chickens).
- R01CA-12897-03 (HBM) DNETZ, ALBERT A, VETERANS ADMIN HOSPITAL, BLDG. HINES, ILL. The histones of normal and leukemic leukocytes (human).
- R01CA-12903-03 (RBB) RICHARDSON, GEORGE S, MASSACHUSETTS GENERAL HOSP, 32 FRUIT STREET, BOSTON, MASS. Human uterus receptors and responses to steroids.
- R01CA-12903-03 (ET) BRESNICK, EDWARD, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA. Benzopyrene hydroxylase and carcinogenesis (mice).
- R01CA-12907-03 (ET) DNETZ, LAROY S, UNIVERSITY OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. NAD regulation of neoplastic growth (rats).
- R01CA-12920-03 (MAY) OPPENHEIMER, STEVEN B, CALIF STATE UNIV, NORTHRIDGE, 18111 NORDHOFF STREET, NORTHRIDGE, CALIF. Molecular basis of intercellular adhesion (mice, chick embryo).
- P01CA-12922-02 (NSS) LAWRENCE, WALTER, JR, VIRGINIA COMMONWEALTH UNIV, DEPT OF RADIOLOGY, RICHMOND, VA. Exploratory study for clinical oncology center.
- P01CA-12923-02 (CAP) BASERGA, RENATO L, TEMPLE UNIVERSITY, 3400 N BROAD ST, PHILADELPHIA, PA. A correlated study on the biology of neoplasia.
- P01CA-12923-02 0001 (CAP) BASERGA, RENATO L. A correlated study on the biology of neoplasia—Factors that control cellular proliferation in mammalian cells (human, mice).
- P01CA-12923-02 0002 (CAP) GIOVANNI, ROVERA. A correlated study on the biology of neoplasia—Stimulation of DNA synthesis by SV-40 (mice).
- P01CA-12923-02 0005 (CAP) CLARK, WALLACE H. A correlated study on the biology of neoplasia—Nature of cutaneous malignant melanoma (human).
- P01CA-12923-02 0009 (CAP) MAUL, GERD. A correlated study on the biology of neoplasia—Time sequence of nuclear pore formation in HeLa cell cycle.
- P01CA-12923-02 0017 (CAP) FARMER, JOHN. A correlated study on the biology of neoplasia—Pathogenesis of galactosamine-induced liver cell injury (rats).
- P01CA-12923-02 0020 (CAP) KOPROWSKA, IRENA. A correlated study on the biology of neoplasia—Cellular populations evolving in neoplastic progression (human).
- P02CA-12924-03 (CAP) FISHMAN, WILLIAM H, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Tufts cancer research center.
- P02CA-12924-03 0017 (CAP) NATHANSON, LARRY. Tufts cancer research center—A malignant melanoma antigen phenotype (rats).
- P02CA-12924-03 0026 (CAP) COMEN, JOSEPH L. Tufts cancer research center—Cyclophosphamide activating enzymes.
- P02CA-12924-03 0030 (CAP) SONNENSCHNIN, C. Tufts cancer research center—Somatic cell genetics (tissue culture).
- P02CA-12924-03 0031 (CAP) MELVIN, KENNETH E W. Tufts cancer research center—Medullary carcinoma of the thyroid.
- P02CA-12924-03 0032 (CAP) SCHWARTZ, R S. Tufts cancer research center—Immunologic activation of leukemia viruses.
- P02CA-12924-03 0033 (CAP) BRAWERMAN, GEORGE. Tufts cancer research center—Control of immunoglobulin synthesis in mouse myeloma cells.
- P02CA-12924-03 0034 (CAP) DRYSDALE, JAMES W. Tufts cancer research center—DNA-dependent RNA polymerases in normal and malignant cells.
- P02CA-12924-03 0035 (CAP) TEVETHIA, SATVIR S. Tufts cancer research center—Nature of virus specific transplantation antigen.
- P02CA-12924-03 0036 (CAP) TEVETHIA, SATVIR S. Tufts cancer research center—Preoperative temperature-sensitive mutants of SV40.
- P02CA-12924-03 0037 (CAP) FISHMAN, WILLIAM H. Tufts cancer research center—Ovarian cancer.
- R01CA-12928-03 (PHRB) OESCH, FRANZ, BIOCENTER OF THE UNIVERSITY, KLINGELBERGSTRASSE 70, CH-4056 BASEL SWITZERLAND. Epoxide hydrolase—Drug toxicity and carcinogenicity (guinea pigs, rats).
- R01CA-12929-03 (PTHB) MARIANI, TONI M, UNIVERSITY OF MINNESOTA, MAYO BOX 494, MINNEAPOLIS, MINN. Interrelationship between malignancy and immunity (mice).
- R01CA-12933-03 (PHRB) LEA, MICHAEL A, COLL OF MEDICINE & DENTISTRY, 100 BERGEN ST, NEWARK, N. J. Histone metabolism in neoplastic tissues (mice, rats).
- R01CA-12934-03 (PTHB) MITCHELL, GEORGE W, JR, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Tumorigenic potential in chromosome aberrations (human).
- R01CA-12938-03 (MCHB) KING, ROBERT B, UNIVERSITY OF GEORGIA, DEPT OF CHEMISTRY, ATHENS, GA. New alkylating agents for cancer chemotherapy.
- R01CA-12940-02 (MCHB) SUNDBERG, RICHARD J, UNIVERSITY OF VIRGINIA, DEPT OF CHEMISTRY, CHARLOTTESVILLE, VA. Methods of synthesis of indoles and indole alkaloids.
- R01CA-12944-03 (RAD) WARREN, SHIELDS, NEW ENGLAND DEACONESS HOSPITAL, 185 PILGRIM ROAD, BOSTON, MASS. Induction of leukemia in rodents by radiation.
- R01CA-12945-03 (RAD) DOUGHERTY, THOMAS J, ROSWELL PARK MEMORIAL INST, 666 ELM ST, BUFFALO, N. Y. Development of oxygen producing radiation sensitizers (mice, bacteria, human).
- R01CA-12948-03 (VR) NORRIN, LEONARD C, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Host range mutants of simian virus 40.
- R01CA-12951-02 (BBCB) SILVERMAN, DAVID N, UNIVERSITY OF FLORIDA, DEPT OF PHARMAC & THERAPEUTICS, GAINESVILLE, FLA. Mechanisms of binding of chromomycins to DNA.
- R01CA-12952-03 (EDC) EVANS, ALFRED S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. E-B and other viruses in cancer.
- R01CA-12956-03 (PHY) HEMPLING, HAROLD G, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Permeability of leukocyte and neoplastic cell (human).
- R01CA-12960-02 (MCHA) RANGANATHAN, R S, SALK INST FOR BIOL STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Synthesis and chemotherapy of nucleic acid analogs.
- R01CA-12961-03 (MCHA) EATON, PHILIP E, UNIVERSITY OF CHICAGO, CHICAGO, ILL. Tumor inhibitors from dodecahedrane and peristyrene.
- R01CA-12967-02 (PHRB) SLOTTA, KARL H, UNIVERSITY OF MIAMI, P O BOX 520875, MIAMI, FLA. Serum and cancer growth factors (rats, mice).
- R01CA-12971-03 (BIO) SANDER, EUGENE G, UNIVERSITY OF FLORIDA, DEPT OF BIOCHEMISTRY, GAINESVILLE, FLA. Biochemical mechanisms of pyrimidine alkylation (bacteria, rats, goats).
- R01CA-12973-03 (PC) WOOD, RANDALL, UNIVERSITY OF MISSOURI, COLUMBIA, MO. Tumor lipids—Metabolism and structural studies.
- R01CA-12974-03 (ET) BRILL, EARL, UNIVERSITY OF MIAMI, P O BOX 875, MIAMI, FLA. Amine N-oxidation in bladder cancer (dog).
- R01CA-12977-03 (PTHB) SARCIONE, EDWARD J, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Release of feto-globulin by primary hepatoma (rats).
- R01CA-12984-03 (BIO) HALL, STAN S, RUTGERS UNIVERSITY, NEWARK, N. J. Glycolase I mechanism—Tumor growth inhibitors.
- R10CA-12985-03 (CCI) SADOFF, LEONARD, DEPT OF INTERNAL MEDICINE, 1505 NORTH EDMONT STREET, LOS ANGELES, CALIF. Western cooperative cancer chemotherapy group.
- R01CA-12989-01 (PTHB) CRAVOTO, HUMBERTO M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Immunological studies of experimental brain tumors (rats).
- R01CA-12990-03 (PTHB) VOHGT, WALTER, UNIVERSITY OF MIAMI, P O BOX 875 BISCAYNE ANNEX, MIAMI, FLA. Inhibition of androgen action in prostatic neoplasms (human, rat).
- R01CA-13001-02 (MCHB) RAFFAUF, ROBERT F, NORTHEASTERN UNIVERSITY, BOSTON, MASS. Characterization of anti-tumor principles from plants.
- R01CA-13004-03 (RAD) SWARTZENDRUBER, DONALD C, OAK RIDGE ASSOC UNIVERSITIES, P O BOX 117, OAK RIDGE, TENN. Effect of irradiation on ⁶⁷Ga localization in animals (mice).
- R01CA-13006-02 (VR) BASSER, ALIX R, S U N Y, UPSTATE MEDICAL CENTE, 766 IRVING AVENUE, SYRACUSE, N. Y. Structure and replication of tumor virus nucleic acid.
- R01CA-13007-03 (VR) LINF, FLORENCE S, UNIVERSITY OF PENNSYLVANIA, 25 & LUCUST STREET, PHILADELPHIA, PA. Human wart virus as an oncogenic agent.
- R01CA-13006-03 (VR) THACH, ROBERT E, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. Control of protein synthesis in viral oncogenesis.
- R01CA-13014-03 (BBCA) BREYCHOK, SHERMAN, COLUMBIA UNIVERSITY, BOX 27 PUPIN HALL, NEW YORK, N. Y. Proteins of plasma cell cancers (human, rats, mice).
- R01CA-13015-03 (CBY) NESTER, EUGENE W, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MICROBIOLOGY, SEATTLE, WASH. Molecular basis of tumorigenesis (bacteria, plants).
- R01CA-13028-03 (PTHB) HAWRYLIEWICZ, ERVIN J, MERCY HOSPITAL & MEDICAL CTR, STEVENSON EXPRESSWAY-KING DR, CHICAGO, ILL. Identification of breast cancer isoenzymes (human).
- R01CA-13032-03 (PHRB) KOPROWSKA, IRENA, TEMPLE UNIVERSITY, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. In vitro system for detection of preinvasive carcinoma (mice).
- P01CA-13038-03 (CAP) MINICH, ENRICO, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Experimental therapeutics and cancer drug program.
- P01CA-13038-03 0035 (CAP) FLEYSHER, M H. Experimental therapeutics and cancer drug program—Synthesis of substituted urea glycosides.
- P01CA-13038-03 0036 (CAP) GRINDEY, G B. Experimental therapeutics and cancer drug program—Degree of similarity between chemotherapeutic agents.
- P01CA-13038-03 0037 (CAP) GRINDEY, G B. Experimental therapeutics and cancer drug program—Interaction of inhibitors of ribonucleotide reductase.
- P01CA-13038-03 0038 (CAP) GRINDEY, G B. Experimental therapeutics and cancer drug program—Antitumor activity of new drugs and combinations.
- P01CA-13038-03 0039 (CAP) GRINDEY, G B. Experimental therapeutics and cancer drug program—Reversal of methotrexate by allopurinol.
- P01CA-13038-03 0040 (CAP) GRINDEY, G B. Experimental therapeutics and cancer drug program—Reversal of methotrexate toxicity in normal mice.
- P01CA-13038-03 0041 (CAP) GRINDEY, G B. Experimental therapeutics and cancer drug program—Evaluation of model systems for tumor metastasis treatment.
- P01CA-13038-03 0042 (CAP) GRINDEY, G B. Experimental therapeutics and cancer drug program—Preliminary evaluation of new drugs in mice.
- P01CA-13038-03 0043 (CAP) DAVE, C. Experimental therapeutics and cancer drug program—Preclinical toxicological study of 3-deazauridine (dogs).
- P01CA-13038-03 0044 (CAP) DAVE, C. Experimental therapeutics and cancer drug program—Toxicity of pyrimidine antineoplastic agents on rats.
- P01CA-13038-03 0045 (CAP) DAVE, C. Experimental therapeutics and cancer drug program—Estimation of guanazole in plasma or blood.
- P01CA-13038-03 0046 (CAP) GESSNER, T. Experimental therapeutics and cancer drug program—3-methylcholanthrene and glucuronide synthesis in perfused rat liver.
- P01CA-13038-03 0047 (CAP) GESSNER, T. Experimental therapeutics and cancer drug program—Dimethylnitrosamine and glucuronidation in perfused rat liver.
- P01CA-13038-03 0048 (CAP) GESSNER, T. Experimental therapeutics and cancer drug program—Evidence of two pools of hepatic glucuronide (rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-13038-03 0049 (CAP) GESSNER, T. Experimental therapeutics and cancer drug program—Drug metabolism in tumor-bearing animals.

P01CA-13038-03 0050 (CAP) GESSNER, T. Experimental therapeutics and cancer drug program—Altered glucuronyl transferase in rat hepatomas.

P01CA-13038-03 0051 (CAP) GESSNER, T. Experimental therapeutics and cancer drug program—Meperidine interaction with anesthetics and anticancer agents.

P01CA-13038-03 0052 (CAP) GURTOO, H L. Experimental therapeutics and cancer drug program—Metabolism of aflatoxin B1.

P01CA-13038-03 0053 (CAP) GURTOO, H L. Experimental therapeutics and cancer drug program—Binding of aflatoxin B1 and its metabolites to microsomes.

P01CA-13038-03 0054 (CAP) GURTOO, H L. Experimental therapeutics and cancer drug program—Binding of other aflatoxins to microsomes.

P01CA-13038-03 0055 (CAP) GURTOO, H L. Experimental therapeutics and cancer drug program—Interaction of aflatoxin B1 metabolite with rat liver RNA.

P01CA-13038-03 0056 (CAP) GURTOO, H L. Experimental therapeutics and cancer drug program—Oxidation of methanol and dimethyl sulfoxide by rat hepatic microsomes.

P01CA-13038-03 0057 (CAP) SCHWARTZ, H S. Experimental therapeutics and cancer drug program—Differential bone marrow toxicity of adriamycin and daunorubicin.

P01CA-13038-03 0058 (CAP) RUSTUM, Y M. Experimental therapeutics and cancer drug program—Metabolism of N6-isopentenyl adenosine in rat liver.

P01CA-13038-03 0059 (CAP) RUSTUM, Y M. Experimental therapeutics and cancer drug program—Cytotoxic effects of N6-substituted adenosine in sensitive cells.

P01CA-13038-03 0060 (CAP) BLOCH, A. Experimental therapeutics and cancer drug program—Intestinal toxicity prevention by testosterone (mice).

P01CA-13038-03 0061 (CAP) MICHICH, E. Experimental therapeutics and cancer drug program—Methylglyoxal-bis(guanyldrazone) and spermidine.

P01CA-13038-03 0062 (CAP) DAVE, C. Experimental therapeutics and cancer drug program—Structure-activity relationships among guanyldrazones.

P01CA-13038-03 0063 (CAP) DAVE, C. Experimental therapeutics and cancer drug program—Biochemistry of guanazole action on mouse leukemia L1210.

P01CA-13038-03 0064 (CAP) BERNACKI, R J. Experimental therapeutics and cancer drug program—Plasma membrane octoglycosyltransferase in L1210 cells.

P01CA-13038-03 0063 (CAP) BERNACKI, R J. Experimental therapeutics and cancer drug program—L1210 plasma membrane sialic acid and sialyltransferase.

P01CA-13038-03 0066 (CAP) BERNACKI, R J. Experimental therapeutics and cancer drug program—Incorporation of plasma membrane precursors.

P01CA-13038-03 0067 (CAP) BERNACKI, R J. Experimental therapeutics and cancer drug program—L1210 cells in tissue culture.

P01CA-13038-03 0063 (CAP) BERNACKI, R J. Experimental therapeutics and cancer drug program—Membrane glycosyltransferases from rat liver host liver and hepatoma.

P01CA-13038-03 0069 (CAP) BERNACKI, R J. Experimental therapeutics and cancer drug program—Aflatoxins and rat liver sialyltransferase.

P01CA-13038-03 0070 (CAP) KAISER, N. Experimental therapeutics and cancer drug program—Glucocorticoid receptors and mechanism of resistance in lymphosarcoma P1798.

P01CA-13038-03 0071 (CAP) TURNELL, R W. Experimental therapeutics and cancer drug program—Glucocorticoid receptors in rat thymocytes.

P01CA-13038-03 0072 (CAP) KAISER, N. Experimental therapeutics and cancer drug program—Specific glucocorticoid binding in human hemopoietic cells and neoplastic tissue.

P01CA-13038-03 0073 (CAP) FUJI, H. Experimental therapeutics and cancer drug program—Antigenic expression of murine lymphoma L1210.

P01CA-13038-03 0074 (CAP) FUJI, H. Experimental therapeutics and cancer drug program—Strain dependent production of autoantibody to thymus specific antigen.

P01CA-13038-03 0075 (CAP) FUJI, H. Experimental therapeutics and cancer drug program—Antibody response of muse spleen cells against cell surface alloantigens.

P01CA-13038-03 0076 (CAP) EHRKE, M J. Experimental therapeutics and cancer drug program—Cellular cytotoxicity against spontaneous mammary tumor (tissue culture).

P01CA-13038-03 0077 (CAP) HOSOKAWA, M. Experimental therapeutics and cancer drug program—Fast and slow growing transplantable tumor.

P01CA-13038-03 0078 (CAP) COHEN, S. Experimental therapeutics and cancer drug program—Cytotoxicity of spleen cells.

P01CA-13038-03 0079 (CAP) ORSINI, F. Experimental therapeutics and cancer drug program—Complement dependent and independent cellular cytotoxicity.

P01CA-13038-03 0080 (CAP) SRIVASTAVA, B I S. Experimental therapeutics and cancer drug program—Deoxynucleotide polymerizing enzymes from human cells.

P01CA-13038-03 0001 (CAP) SRIVASTAVA, B I S. Experimental therapeutics and cancer drug program—Polynucleotides, streptoviricins and deoxynucleotide polymerizing enzymes.

R01CA-13041-02 (HEM) DAMITROV, NIKOLAY V, PHILADELPHIA GENERAL HOSPITAL, 34TH AND CIVIC CENTER BLVD, PHILADELPHIA, PA. Lymphocyte metabolism in cancer patients.

R01CA-13042-03 (HEM) GOSWITZ, HELEN V, OAK RIDGE ASSOCIATED UNIV, P O BOX 117, OAK RIDGE, TENN. Regulation of granulopoiesis (human, rats).

R01CA-13047-03 (PTNB) FRIEND, CHARLOTTE, MOUNT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N Y. Control mechanisms of differentiation and malignancy.

R01CA-13048-03 (RAD) TROSKO, JAMES E, MICHIGAN STATE UNIVERSITY, DEPT OF HUMAN DEVELOPMENT, EAST LANSING, MICH. DNA repair and mutagenesis in mammalian cells (human, hamster).

R01CA-13050-03 (RAD) AJUR, RHOMES J, ST JUDE CHILDREN'S RES HOSP, 332 N LAUDERDALE, MEMPHIS, TENN. Combination therapy of childhood leukemia.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-13053-03 (CAP) POWERS, WILLIAM E, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Clinical cancer radiation therapy research center.

P02CA-13053-03 0004 (CAP) MARKS, JAMES. Clinical cancer radiation therapy research center—Combined irradiation and chemotherapy—Malignant brain gliomas (human).

P02CA-13053-03 0006 (CAP) PEREZ, CARLOS A. Clinical cancer radiation therapy research center—Radiation therapy in prostate carcinoma (human).

P02CA-13053-03 0007 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center—Wilms tumor protocol (human).

P02CA-13053-03 0008 (CAP) PEREZ, CARLOS A. Clinical cancer radiation therapy research center—Radiation therapy in early cervix carcinoma (human).

P02CA-13053-03 0026 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Data accession retrieval and analysis system.

P02CA-13053-03 0031 (CAP) VALERIOLE, F A. Clinical cancer radiation therapy research center—Effect of chemotherapeutic agents on leukemic cells (mice).

P02CA-13053-03 0032 (CAP) VALERIOLE, F A. Clinical cancer radiation therapy research center—Effect of antineoplastic agents on murine lymphosarcoma 6C3HED.

P02CA-13053-03 0033 (CAP) LIN, H. Clinical cancer radiation therapy research center—AKR-lymphoma model of childhood acute lymphoblastic leukemia.

P02CA-13053-03 0036 (CAP) VALERIOLE, F A. Clinical cancer radiation therapy research center—Serum levels of anticancer agents (mice).

P02CA-13053-03 0037 (CAP) STEWART, CARLETON C. Clinical cancer radiation therapy research center—Quantitation of cellular responses to specific antigens (mice, human).

P02CA-13053-03 0038 (CAP) STEWART, CARLETON C. Clinical cancer radiation therapy research center—Cell and immunoglobulin mediated immunity (mice).

P02CA-13053-03 0041 (CAP) STEWART, P G. Clinical cancer radiation therapy research center—Mathematical modelling in malignant diseases (mice).

P02CA-13053-03 0043 (CAP) VALERIOLE, FREDERICK A. Clinical cancer radiation therapy research center—Use of in vitro colonies as a model for solid tumors (human, mice, hamsters).

P02CA-13053-03 0044 (CAP) NAKKEFF, A. Clinical cancer radiation therapy research center—Control mechanisms governing megakaryocytopoiesis and thrombocytopoiesis.

P02CA-13053-03 0043 (CAP) NAKKEFF, A. Clinical cancer radiation therapy research center—The hematopoietic stem cell (mice).

P02CA-13053-03 0048 (CAP) OLIVER, GEORGE D. Clinical cancer radiation therapy research center—Computer calculation of dose distributions in radiation therapy.

P02CA-13053-03 0052 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Chemotherapy in management of primary Ewing's sarcoma (human).

P02CA-13053-03 0053 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Adjuvant chemotherapy in primary rhabdomyosarcoma (human).

P02CA-13053-03 0056 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Chemotherapy and radiation therapy in primary Hodgkin's disease (human).

P02CA-13053-03 0057 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Combination chemotherapy in children with primary osteosarcoma.

P02CA-13053-03 0058 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Combination chemotherapy of histiocytosis X in children.

P02CA-13053-03 0061 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Fluorouracil in pediatric solid tumors.

P02CA-13053-03 0062 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Combination chemotherapy with procarbazine in childhood histiocytosis-x.

P02CA-13053-03 0063 (CAP) VALERIOLE, FREDERICK A. Clinical cancer radiation therapy research center—Repopulation of stem cells following chemotherapy (mice).

P02CA-13053-03 0064 (CAP) STEWARD, PALMER G. Clinical cancer radiation therapy research center—Analysis of two cell size distributions.

P02CA-13053-03 0065 (CAP) LIN, H. Clinical cancer radiation therapy research center—Colony formation of peritoneal exudate cells in culture (mice).

P02CA-13058-03 0066 (CAP) OLIVER, GEORGE D. Clinical cancer radiation therapy research center—High LET radiation beams for therapy.

P02CA-13053-03 0067 (CAP) KAO, MING-SHAN. Clinical cancer radiation therapy research center—Immunological reactivity of patients with gynecological malignancy.

P02CA-13053-03 0068 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Randomized study—Preoperative radiation for head and neck tumors (human).

P02CA-13053-03 0069 (CAP) VIETTI, TERESA, J. Clinical cancer radiation therapy research center—Participation in Southwest cancer chemotherapy group.

P02CA-13053-03 0070 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Participation in national surgical adjuvant breast group study.

P02CA-13053-03 0071 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Participation in Southeastern cancer study group.

P02CA-13053-03 0072 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center—Participation in radiation therapy oncology group.

P02CA-13053-03 0073 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center—Action and interaction of anticancer agents at the cellular level (mice).

P02CA-13053-03 0074 (CAP) RAGAB, ABDEL H. Clinical cancer radiation therapy research center—Human granulopoietic progenitor cells (tissue culture).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-13053-03 0075 (CAP) POWERS, WILLIAM E. Clinical cancer radiation therapy research center-Combined pulmonary irradiation and fluorouracil therapy in lung tumors (human).

P02CA-13053-03 0076 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center-Chemotherapy of metastatic solid tumors with DIC and adriamycin (children).

P02CA-13053-03 0077 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center-Chemotherapy following surgery and radiotherapy in brain tumors (children).

P02CA-13053-03 0078 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center-Osteogenic sarcoma chemotherapy with methotrexate-citrovorum factor (children).

P02CA-13053-03 0079 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center-Osteogenic sarcoma-Methotrexate chemotherapy and radiotherapy (children).

P02CA-13053-03 0080 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center-ICRF 159 chemotherapy in solid tumors and acute leukemia (children).

P02CA-13053-03 0081 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center-Chemotherapy of histiocytosis X with chlorambucil (children).

P02CA-13053-03 0082 (CAP) VIETTI, TERESA J. Clinical cancer radiation therapy research center-Hodgkin's disease-Chemotherapy with MOPP plus bleomycin (children).

P02CA-13053-03 0083 (CAP) STEWARD, PALMER G. Clinical cancer radiation therapy research center-Effects of anticancer agents on synchronized mammalian cells.

P02CA-13053-03 0084 (CAP) STEWARD, CARLETON C. Clinical cancer radiation therapy research center-Irradiation and chemotherapy-immunosuppression of 6C3HED lymphosarcoma.

P02CA-13053-03 0085 (CAP) VALERIOTE, FREDERICK A. Clinical cancer radiation therapy research center-Growth properties in cell population kinetics of murine tumors.

P02CA-13053-03 0086 (CAP) VALERIOTE, FREDERICK A. Clinical cancer radiation therapy research center-Combined effects of amphotericin B and BCNU in leukemic mice.

P02CA-13053-03 0087 (CAP) HILL, HELENE Z. Clinical cancer radiation therapy research center-X-ray induced malignant cell transformation (mice).

P02CA-13053-03 0088 (CAP) HILL, HELENE Z. Clinical cancer radiation therapy research center-Transcriptional mapping of gene activity along precondensed chromosomes.

P02CA-13053-03 0089 (CAP) HILL, HELENE Z. Clinical cancer radiation therapy research center-Permanent cell lines with defined biochemical properties (human, tissue culture).

P02CA-13053-03 0090 (CAP) HILL, HELENE Z. Clinical cancer radiation therapy research center-Detection of inborn errors of metabolism (human).

P02CA-13053-03 0091 (CAP) HILL, HELENE Z. Clinical cancer radiation therapy research center-Alternate pathway of galactose metabolism.

P02CA-13053-03 0092 (CAP) PRESANT, CARY A. Clinical cancer radiation therapy research center-BCNU and amphotericin B in human neoplasia.

P02CA-13053-03 0093 (CAP) OLIVER, GEORGE D. Clinical cancer radiation therapy research center-Development of techniques and apparatus to improve radiation therapy.

P02CA-13053-03 0094 (CAP) OLIVER, GEORGE D. Clinical cancer radiation therapy research center-Surface dose, buildup curve and patient cutaneous-subcutaneous reaction.

R01CA-13054-03 (ALY) RITTS, ROY E, JR, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Antigens of human renal cancer.

R01CA-13056-03 (BBCB) BLOCK, RONALD E, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. Characterization of biological tissues by NMR (rats).

R10CA-13057-03 (CCL) KOCH, KJELL, UNIVERSITY OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Acute leukemia cooperative group B.

R01CA-13058-03 (GEN) MAHER, VERONICA M, MICHIGAN CANCER FOUNDATION, 4811 JOHN R STREET, DETROIT, MICH. Interaction of carcinogens with DNA repair of lesions (slime molds, bacteria).

R01CA-13061-03 (MBY) WALLACH, DONALD F, NEW ENGLAND MED CTR HOSPITAL, 171 HARRISON AVENUE, BOSTON, MASS. Problems of membrane biology and oncogenesis.

R01CA-13064-03 (ET) JAMIEL, RENE I, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Interferon inducers and mammalian cell division (mice, rats).

R01CA-13070-03 (PTHA) LEVY, NELSON L, DUKE UNIVERSITY MEDICAL CENTER, BOX 2926, DURHAM, N C. Active immunity to human and experimental brain tumors (hamsters).

R01CA-13074-02 (PHRB) LAVIETES, BEVERLY B, N Y UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Exploitable differences in tumor cell metabolism.

R01CA-13075-03 (PTHB) BETHUNE, JOHN E, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Hypercalcemic factor of VX-2 carcinoma (rabbits).

R01CA-13077-03 (PTHB) HAVERBACK, BERNARD J, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. CEA characterization and radioimmunoassay (human, mammals non-human).

R01CA-13080-03 (RAD) MEWISSEN, DIEUDONNE J, DEPT OF RADIOLOGY, 950 EAST 59 STREET, CHICAGO, ILL. Comparative carcinogenicity of tritium (mice).

R01CA-13085-03 (VR) LEE, KYU M, NEW YORK STATE VETERINARY COLL, CORNELL UNIVERSITY, ITHACA, N Y. Serologic assessment of murine and feline leukemias.

R01CA-13086-03 (VR) LEVY, JAY A, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Identification of viruses associated with human cancer (human, mice, guinea pigs).

R01CA-13094-03 (VR) MARVIN, DONALD A, YALE UNIVERSITY, BOX 1937 YALE STATION, NEW HAVEN, CONN. Oncogenic transformation and the cell envelope.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-13095-03 (CAP) FRALEY, ELWIN E, UNIVERSITY OF MINNESOTA HOSP, 412 UNION STREET S E, MINNEAPOLIS, MINN. Virology, immunobiology and biochemistry of renal cancer.

P01CA-13095-03 0001 (CAP) FRALEY, ELWIN E. Virology, immunobiology and biochemistry of renal cancer-Viruses and neoplasms of the urinary tract (human).

P01CA-18095-03 0002 (CAP) FRALEY, ELWIN E. Virology, immunobiology and biochemistry of renal cancer-Tumor immunology (human).

P01CA-13095-03 0003 (CAP) DEMPSEY, MARY E. Virology, immunobiology and biochemistry of renal cancer-Biochemistry (human).

P01CA-13095-03 0004 (CAP) FRALEY, ELWIN E. Virology, immunobiology and biochemistry of renal cancer-Establish tissue and serum bank (human, mammals nonhuman).

R01CA-13099-03 (PHRB) PETERING, DAVID H, UNIVERSITY OF WISCONSIN, MILWAUKEE, WIS. Investigation of the antitumor activity of CUKTS.

R01CA-13102-02 (ET) LOONEY, WILLIAM B, UNIVERSITY OF VIRGINIA HOSP, BOX 260, CHARLOTTESVILLE, VA. Chemotherapeutic agents and hepatomas.

R01CA-13103-03 (PHRB) MAWHINNEY, MICHAEL G, WEST VIRGINIA UNIV MED CTR, DEPT OF PHARMACOLOGY, MORGANTOWN, W VA. Metabolism and inhibition of prostate cancer (hamsters, dogs, rats).

R01CA-13105-03 (PHRB) MITCHELL, MALCOLM S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Chemotherapy and tumor-specific immunity (human).

P01CA-13108-03 (CAP) WATSON, JAMES D, COLD SPRING HARBOR LABORATORY, BOX 100, COLD SPRING HARBOR, N Y. Cold Spring Harbor laboratory cancer research center.

P01CA-13106-03 0001 (CAP) GESTBLAND, RAYMOND F. Cold Spring Harbor laboratory cancer research center-Protein synthesis section.

P01CA-13106-03 0002 (CAP) CAIRNS, JOHN. Cold Spring Harbor laboratory cancer research center-DNA replication section (bacteria, viruses).

P01CA-13106-03 0003 (CAP) DELIUS, HAJO. Cold Spring Harbor laboratory cancer research center-Electron microscopy section.

P01CA-13106-03 0004 (CAP) ZIPSER, DAVID. Cold Spring Harbor laboratory cancer research center-Molecular genetics section.

P01CA-13106-03 0005 (CAP) POLLACK, ROBERT E. Cold Spring Harbor laboratory cancer research center-Mammalian cell genetics section.

P01CA-13106-03 0006 (CAP) WATSON, JAMES D. Cold Spring Harbor laboratory cancer research center-Tumor virus section (human, monkeys, cattle).

P01CA-13108-03 0007 (CAP) ROBERTS, RICHARD. Cold Spring Harbor laboratory cancer research center-Protein and nucleic acid structure section (mammals).

R01CA-13107-03 (CBY) REISSIG, JOSE L, LONG ISLAND UNIVERSITY, DEPARTMENT OF BIOLOGY, GREENVALE, N Y. Macroregulation-A model for cancer (Neurospora).

R01CA-13112-03 (IMB) IRVIN, WILLIAM S, UNIVERSITY OF MISSOURI, 807 STADIUM BOULEVARD, COLUMBIA, MO. Virus alterations of the immune response (mice, guinea pigs).

R01CA-13113-03 (MET) SCHMID, HARALD H, UNIVERSITY OF MINNESOTA, 801 16TH AVENUE, AUSTIN, MINN. Lipid metabolism in normal and neoplastic tissue (rodents).

R01CA-13114-03 (VR) MUNYON, WILLIAM H, ROSWELL PARK MEM INST, 666 ELM STREET, BUFFALO, N Y. Gene addition to mammalian cells using herpes virus.

R01CA-13118-03 (MCHA) HARMON, ROBERT E, WESTERN MICHIGAN UNIVERSITY, KALAMAZOO, MICH. Preparation of L-3-amino-nucleosides and nucleotides.

R01CA-13119-02 (MCHA) HARMON, ROBERT E, WESTERN MICHIGAN UNIVERSITY, DEPARTMENT OF CHEMISTRY, KALAMAZOO, MICH. Colchicine derivatives as antileukemic agents.

R01CA-13120-03 (MCHA) WASHBURN, STEPHEN S, TEMPLE UNIVERSITY, DEPT OF CHEMISTRY, PHILADELPHIA, PA. Maleimide derivatives as cancer chemotherapeutics.

R01CA-13121-16 (MCHA) HERZ, WERNER, FLORIDA STATE UNIVERSITY, DEPT OF CHEMISTRY, TALLAHASSEE, FLA. Studies in phytochemistry (compositae).

R01CA-13123-03 (MCHB) CATES, LINDLEY A, JR, UNIVERSITY OF HOUSTON, 3801 CULLEN BOULEVARD, HOUSTON, TEX. Hydrazo, nitroso and adamantyl phosphorus oncotics.

R01CA-13127-03 (RAD) SULLIVAN, MAURICE F, BATTELLE MEMORIAL INSTITUTE, P O BOX 999, RICHLAND, WASH. Effects of intracavitary irradiation with Cf-252 (swine).

R01CA-13134-03 (ALY) LOAN, RAYMOND W, UNIVERSITY OF MISSOURI, CONNORWAY HALL, COLUMBIA, MO. Cell-mediated immunity in avian leukosis (chickens).

R01CA-13137-02 (ET) BERNOPSKY, CARL, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Role of pyridine nucleotides in human leukemia.

R01CA-13138-03 (CBY) RIFKIN, DANIEL B, ROCKEFELLER UNIVERSITY, 66 ST & YORK AVENUE, NEW YORK, N Y. Surface proteins of normal and transformed cells (chick embryo).

R01CA-13139-03 (SSS) HERBST, ARTHUR L, VINCENT MEMORIAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Maternal stilbestrol-carcinogenic effect on offspring (human, rodents).

R01CA-13141-03 (HBM) GREENBERG, PETER L, STANFORD UNIV SCH OF MED, STANFORD, CALIF. Granulopoiesis in malignant and benign human diseases (human).

R01CA-13145-03 (MBY) MORRE, D JAMES, PURDUE UNIVERSITY, LAFAYETTE, IND. Glycolipid metabolism and tumorigenesis (human, mammals, birds, fish).

P02CA-13148-03 (CAP) DURANT, JOHN R, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Pilot cancer center.

P02CA-13148-03 0001 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Gynecologic oncology.

P02CA-13148-03 0002 (CAP) SHINGLETON, HUGH M. Pilot cancer center-Hormone assays in gynecologic tumors.

P02CA-13148-03 0003 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Fine structural observations on gynecologic malignancies.

P02CA-13148-03 0004 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Application of ultrasound to gynecological tumors (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P02CA-13148-03 0005 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Colonoscopy clinic.
- P02CA-13148-03 0006 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Nurse examiner program.
- P02CA-13148-03 0008 (CAP) DURANT, JOHN R. Pilot cancer center-Surgical immunology.
- P02CA-13148-03 0009 (CAP) DURANT, JOHN R. Pilot cancer center-Effects of heat on cancer.
- P02CA-13148-03 0011 (CAP) CASTLEBERRY, DWIGHT J. Pilot cancer center-Regional maxillofacial prosthetics.
- P02CA-13148-03 0013 (CAP) MORENO, HERNAN. Pilot cancer center-Treatment of childhood leukemia and lymphosarcoma.
- P02CA-13148-03 0016 (CAP) MORENO, HERNAN. Pilot cancer center-Daunomycin in childhood leukemia.
- P02CA-13148-03 0017 (CAP) MORENO, HERNAN. Pilot cancer center-Cytosine arabinoside leukemia therapy.
- P02CA-13148-03 0018 (CAP) FINLEY, WAYNE H. Pilot cancer center-Medical genetics and pediatrics.
- P02CA-13148-03 0019 (CAP) ALFORD, CHARLES A. Pilot cancer center-Herpes viruses of man (also mice, hamsters).
- P02CA-13148-03 0020 (CAP) ALFORD, CHARLES A. Pilot cancer center-Immunology of chronic viral infections.
- P02CA-13148-03 0021 (CAP) ALFORD, CHARLES A. Pilot cancer center-Possible role of coinfection in cancer production.
- P02CA-13148-03 0022 (CAP) ALFORD, CHARLES A. Pilot cancer center-Silent chronic congenital infections in cancer production (humans).
- P02CA-13148-03 0023 (CAP) ALFORD, CHARLES A. Pilot cancer center-Silent herpetic cervical infections in pregnant women.
- P02CA-13148-03 0025 (CAP) SACHS, GEORGE. Pilot cancer center-Electrical potentials in gastric carcinoma (rabbits, human, guinea pigs, dogs).
- P02CA-13148-03 0026 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Pathology (dogs, mice, hamsters).
- P02CA-13148-03 0032 (CAP) COOPER, MAX D. Pilot cancer center-Antisera specific for T and B lymphocytes of humans.
- P02CA-13148-03 0039 (CAP) COOPER, MAX D. Pilot cancer center-Differentiation of immunoglobulin class heterogeneity in mice.
- P02CA-13148-03 0040 (CAP) COOPER, MAX D. Pilot cancer center-Search for antigen receptors of T lymphocytes (chickens).
- P02CA-13148-03 0042 (CAP) KLEIN, WILLIAM J JR. Pilot cancer center-Mechanisms of rejection and immunologic enhancement.
- P02CA-13148-03 0043 (CAP) BLACKBURN, BEN E. Pilot cancer center-Universal radiation treatment simulator.
- P02CA-13148-03 0044 (CAP) DURANT, JOHN R. Pilot cancer center-BCNU combination protocol for gastrointestinal cancer.
- P02CA-13148-03 0045 (CAP) DURANT, JOHN R. Pilot cancer center-Combination therapy and chemotherapy in Hodgkin's disease.
- P02CA-13148-03 0046 (CAP) DURANT, JOHN R. Pilot cancer center-Adult acute leukemia.
- P02CA-13148-03 0049 (CAP) WEST, SEYMOUR S. Pilot cancer center-Engineering biophysics core facility.
- P02CA-13148-03 0050 (CAP) LEHMAN, HERMAN F. Pilot cancer center-Model cancer epidemiological service.
- P02CA-13148-03 0051 (CAP) YIELDING, K LEMONE. Pilot cancer center-Interaction of drugs and nucleic acid relative to biological function (bacteria).
- P02CA-13148-03 0052 (CAP) GAUDIN, DAVID. Pilot cancer center-Role of DNA repair in cancer biology (human).
- P02CA-13148-03 0053 (CAP) LACEY, JAMES C. Pilot cancer center-Mechanisms and regulation of protein synthesis (human, bacteria).
- P02CA-13148-03 0054 (CAP) GLICKSON, JERRY D. Pilot cancer center-In vitro localization of gallium 67 (mice).
- P02CA-13148-03 0055 (CAP) DAVIS, MAXIE L. Pilot cancer center-Radiation biology.
- P02CA-13148-03 0056 (CAP) BRASCHO, DONN J. Pilot cancer center-Ultrasound in computerized radiation therapy treatment planning.
- P02CA-13148-03 0057 (CAP) COOPER, MAX D. Pilot cancer center-Lymphoid leukemia model of malignancy (chickens).
- P02CA-13148-03 0058 (CAP) COOPER, MAX D. Pilot cancer center-Defective differentiation of B lymphocytes and plasma cells in humans.
- P02CA-13148-03 0059 (CAP) COOPER, MAX D. Pilot cancer center-Ontogeny of B lymphocytes in humans.
- P02CA-13148-03 0060 (CAP) COOPER, MAX D. Pilot cancer center-Immunoglobulin A in developing chicks.
- P02CA-13148-03 0061 (CAP) COOPER, MAX D. Pilot cancer center-Survival and function of bursa-derived cells (chickens).
- P02CA-13148-03 0062 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Hodgkin's disease.
- P02CA-13148-03 0063 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Separation of lipase and amylase positive cells from pancreas.
- P02CA-13148-03 0064 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Purification of chromosomes and lymphoblasts.
- P02CA-13148-03 0065 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Disaggregation of human solid tumors.
- P02CA-13148-03 0066 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Comparison of hepatocytes and malignant cells from hepatomas (mice).
- P02CA-13148-03 0067 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Separation of immune cells from solid tumors (human, mice).
- P02CA-13148-03 0068 (CAP) PRETLOW, THOMAS G. Pilot cancer center-Antineoplastic properties of histidase and arginine decarboxylase (human, mice).
- P02CA-13148-03 0069 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Role of cryosurgery in gynecologic cancer.
- P02CA-13148-03 0070 (CAP) ALFORD, CHARLES A. Pilot cancer center-Ara-A therapy in immunosuppressed host.
- P02CA-13148-03 0071 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Community demonstration project-Cervical cancer.
- P02CA-13148-03 0072 (CAP) FLOWERS, CHARLES E. Pilot cancer center-Early indicators of endometrial cancer (human).
- R01CA-13153-03 (PHRB) CHAHLEWICZ, ZDZISLAW P, STATE UNIVERSITY OF NEW YORK, SCHOOL OF PHARMACY, BUFFALO, N Y. Stabilized polynucleotides-Interferon inducers.
- R01CA-13155-03 (PHRB) SCRIBNER, JOHN D, PACIFIC NORTHWEST RES FDN, 1102 COLUMBIA STREET, SEATTLE, WASH. Early and critical events in chemical carcinogenesis (mice, rats).
- RD1CA-13161-02 (PHRB) WILSON, ROBERT G, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N J. Effects of carcinostatic compounds on RNA synthesis (mice).
- P01CA-13162-03 (SRC) HUGULEY, CHARLES M, JR, EMORY UNIVERSITY, 718 WOODRUFF MEMORIAL BLDG, ATLANTA, GA. Exploratory studies in cancer research (human).
- R01CA-13168-03 (VR) JACKSON, DAVID A, UNIVERSITY OF MICHIGAN, 6643 MEDICAL SCIENCE BLDG II, ANN ARBOR, MICH. Insertion of foreign DNA into oncogenic viral DNA.
- R01CA-13171-02 (IAB) MATLIEB, LOREN E, SALK INST FOR BIOL STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Cellular and humoral interactions in tumor immunity (mice).
- R01CA-13175-03 (BIO) ROTTMAN, PRITZ M, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. RNA processing in tumor and transformed cells (rats, mice, cats).
- R01CA-13176-03 (BIO) MAXMAN, MAYNARD H, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Adenylate cyclase in malignant cells (mammals, human).
- R01CA-13178-03 (BIO) KATZMAN, PHILIP A, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Oncogenic and hormonal control of RNA methylation (mice, rats).
- R01CA-13179-03 (PHRB) KING, CHARLES M, MICHAEL REESE HOSP & MED CTR, 29TH STREET & ELLIS AVENUE, CHICAGO, ILL. Role of altered nucleic acid in carcinogenesis (rats).
- R01CA-13184-03 (EDC) MONLUX, ANDREW W, OKLAHOMA STATE UNIVERSITY, COLLEGE OF VETERINARY MED, STILLWATER, OKLA. Registry of canine and feline neoplasms (Tulsa County, Okla).
- R01CA-13186-02 (PHRB) ESKIN, BERNARD A, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Chemical blockade of iodine-Mammary gland responses (rats).
- R01CA-13188-03 (IAB) WATKINS, ELTON, JR, LAHEY CLINIC FOUNDATION, 605 COMMONWEALTH AVENUE, BOSTON, MASS. Cancer immunotherapy by bulk LATCH culture (dogs, mice).
- R01CA-13190-02 (IAB) BARTH, ROLF F, KANSAS UNIVERSITY, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. Human tumor-Specific immunity.
- R01CA-13192-02 (IAB) SEHON, ALIC, UNIVERSITY OF MANITOBA, 795 MC DERMOT AVENUE, WINNIPEG 3, MANITOBA, CANAD. Cell-mediated immunologic destruction of tumor cells (human, guinea pigs, mice).
- R01CA-13195-03 (MBY) SMULSON, MARK E, GEORGETOWN UNIVERSITY, SCHOOLS OF MEDICINE AND DENTISTRY, WASHINGTON, D C. Histone ADP-ribosylation and HeLa cell replication (HeLa cells, human).
- R01CA-13196-03 (MBY) SMITH, ROBERTS A, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Group transfer processes in normal and malignant cells (rats).
- R01CA-13199-03 (MCHA) CRISTOL, STANLEY J, UNIVERSITY OF COLORADO, DEPT OF CHEMISTRY, BOULDER, COLO. Synthesis and reactions of alkylating agents.
- R01CA-13201-03 (MCHB) MARICICH, TOM J, NORTH DAKOTA STATE UNIVERSITY, DEPT OF CHEMISTRY, FARGO, N DAK. Potentia carcinostatic sulfimyl derivatives.
- R01CA-13202-03 (BBCB) HARRISON, STEPHEN C, HARVARD UNIVERSITY, 5 DIVINITY AVENUE, CAMBRIDGE, MASS. Virus structure and assembly.
- R01CA-13206-03 (BIO) ARGUS, MARY P, USPHS HOSPITAL, 210 STATE STREET, NEW ORLEANS, LA. Pharmacology of repressible mixed-function oxidases (rats, guinea pigs).
- R01CA-13208-03 (TAP) KUNTZ, ROBERT E, SOUTHWEST FDN FOR RES & EDUC, P O BOX 28147, SAN ANTONIO, TEX. Bladder cancer in Schistosomiasis haematobia (monkeys, hamsters, snails).
- R01CA-13211-03 (ALY) LANGE, ROBERT D, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN, 37920. Carcinoembryonic antigen and cancer detection (human).
- R01CA-13212-03 (MSS) KRAMER, SIMON, THOMAS JEFFERSON UNIV HOSP, 1025 WALNUT STREET, PHILADELPHIA, PA. Initiation and development of radiotherapy studies.
- R01CA-13213-03 (VR) VOGT, PETER K, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Interactions between avian tumor viruses and their hosts.
- R01CA-13214-03 (HEM) STJERNHOLM, RUNE L, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Metabolism by normal and leukemic leukocytes (human).
- R01CA-13216-03 (IAB) TYAN, MARVIN L, UNIVERSITY OF NORTH CAROLINA, DENTAL RESEARCH CENTER, CHAPEL HILL, N C. Detection and modification of tumor immunity (human, mice).
- R01CA-13217-03 (PTHB) SAGEBHEL, RICHARD W, CHILDREN'S HOSP OF SAN FRANCISCO, 3700 CALIFORNIA STREET, SAN FRANCISCO, CALIF. Langerhans cells in benign and malignant skin diseases (human, guinea pigs).
- R01CA-13220-03 (CBY) BOSMANN, HAROLD B, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Membrane biochemistry of neoplastic cells.
- R01CA-13220-03 0001 (CBY) BOSMANN, HAROLD B. Membrane biochemistry of neoplastic cells-Electrokinetic and biochemical nature of 3T3 cells (chick embryo).
- R01CA-13220-03 0002 (CBY) BOSMANN, HAROLD B. Membrane biochemistry of neoplastic cells-Biochemical analysis of membranes of neoplastic cells.
- R01CA-13220-03 0003 (CBY) BOSMANN, HAROLD B. Membrane biochemistry of neoplastic cells-Synthesis and degradation of surface membranes.
- R01CA-13222-04 (RAD) HOPER, KURT G, FLORIDA STATE UNIVERSITY, INST OF MOLECULAR BIOPHYSICS, TALLAHASSEE, FLA. Cell population kinetics as factor in tumor therapy (mice).
- R01CA-13223-02 (END) BENJAMIN, FRED, QUEENS HOSPITAL CENTER, 82-68 164TH STREET, JAMAICA, N Y. Endocrine metabolic influence in endometrial carcinoma (human).
- R01CA-13228-03 (END) FANG, SEN-MAW, UNIVERSITY OF UTAH, COLLEGE OF PHARMACY, SALT LAKE CITY, UTAH. Gonadal hormone receptors and human prostatic cancer (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-13231-03 (VR) LEDINKO, NADA, THE UNIVERSITY OF AKRON, DEPT OF BIOLOGY, AKRON, OHIO. Effects of tumorigenic adenoviruses on cells.
- R01CA-13232-03 (SSS) HOMBURGER, FREDDY, BIO-RESEARCH INST, INCORPORATE, 9 COMMERCIAL AVENUE, CAMBRIDGE, MASS. New animal models of chemical carcinogenesis (Syrian hamsters).
- R10CA-13286-03 (CCI) KWAAAN, HAU C, VETERANS ADMIN RESEARCH HOSP, 333 EAST HURON STREET, CHICAGO, ILL. Southwestern cancer chemotherapy study group.
- R10CA-13237-03 (CCI) KRAUSS, STEPHEN, UNIV OF TENNESSEE MEMORIAL HOS, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Southeastern cancer study group.
- R10CA-13238-03 (CCI) QUAGLIANA, JOSEPH M, UNIVERSITY MEDICAL CENTER, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Southwest cancer chemotherapy study group.
- R10CA-13239-02 (CCI) BERNARD, JEAN, HOPITAL SAINT-LOUIS, 2, PLACE DU DR FOURNIER, 75475 PARIS CEDEX 10 FRANCE. Acute leukemia cooperative group B.
- R01CA-13246-03 (PHRB) HAIDE, CHARLES W, M D ANDERSON HOSP-TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TEX. Interaction of anticancer drugs with macromolecules (human, hamsters).
- R10CA-13249-03 (CCI) TORNYOS, KARL, VETERANS ADMINISTRATION HOSP, 1601 PERDIDO STREET, NEW ORLEANS, LA. Southeastern cancer study group.
- R01CA-13252-03 (RAD) WALLACH, DONALD F, NEW ENGLAND MEDICAL CTR HOSPS, 171 HARRISON AVENUE, BOSTON, MASS. Irradiation of tumor membranes and chromosomes (human, primates, rodents, plants).
- R01CA-13253-03 (BM) MATTHYSSE, ANN G, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. The mechanism of tumorigenesis by A. tumefaciens.
- R01CA-13259-02 (PHRB) WELLNER, DANIEL, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N Y. Enzyme injections and tumor growth (human, mice).
- R01CA-13261-03 (MIB) MEDINA, DANIEL, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Virus induction of nonviral mammary tumor antigens (mice).
- R01CA-13264-03 (MIB) BYSTRYN, JEAN-CLAUDE, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Effect on tumor growth of removing enhancing antibody (mice).
- R01CA-13263-03 (MCHB) MILES, D HOWARD, MISSISSIPPI STATE UNIVERSITY, MISSISSIPPI STATE, MISS. A search for tumor inhibitors from sarcocolla (angiosperms).
- R01CA-13270-02 (RAD) MOSS, A J, JR, UNIVERSITY OF ARKANSAS MED CTR, 4301 WEST MARKHAM, LITTLE ROCK, ARK. Effects of fast neutrons on cultured mammalian cells.
- R01CA-13271-06 (SSS) WIED, GEORGE L, UNIVERSITY OF CHICAGO, 5841 MARYLAND AVENUE, CHICAGO, ILL. Automated cancer cell diagnosis by the ticas method.
- R01CA-13272-03 (VR) SEVOIAN, MARTIN, UNIVERSITY OF MASSACHUSETTS, PAIGE LABORATORY, AMHERST, MASS. Defense mechanisms to Marek's disease (chickens).
- R01CA-13278-06 (MCHB) CASSADY, JOHN M, PURDUE UNIVERSITY, DEPT OF MED CHEM & PHARM, LAFAYETTE, IND. Synthesis of ergolines and related compounds (rats, mice).
- R01CA-13285-03 (TOX) MIENNEAR, JOHN H, PURDUE UNIVERSITY, DEPT OF PHARMACOL & TOX, LAFAYETTE, IND. Pancreatic effects of cancer chemotherapeutic agents (mice).
- R01CA-13287-03 (MIB) HYMAN, ROBERT A, SALK INSTITUTE, P O BOX 1809, SAN DIEGO, CALIF. Genetic basis of antigenic variation (mice).
- R01CA-13288-01 (ET) ALLEN, JAMES R, UNIVERSITY OF WISCONSIN, 470 NORTH CHARTER STREET, MADISON, WIS. Carcinogen potential of the pyrrolizidine alkaloids.
- R01CA-13289-02 (SGYA) FISHER, BERNARD, UNIV OF PITTSBURGH SCH OF MED, 3550 TERRACE STREET, PITTSBURGH, PA. Role of regional lymph nodes in cancer surgery (human).
- R10CA-13290-03 (CCI) BRYAN, GEORGE T, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVE, C-713, MADISON, WIS. Clinical pharmacology (dogs, rodents, human).
- R01CA-13291-02 (BND) SAMUELS, LEO T, UNIVERSITY OF UTAH, 3E-502 MEDICAL CENTER, SALT LAKE CITY, UTAH. Steroid transfer in normal and malignant endocrine cells (rats, monkeys).
- R01CA-13296-03 (ET) ROGERS, LON E, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Selective activation of pyrimidine antimetabolites (mice).
- R01CA-13297-03 (PHRB) WALKER, SARA E, UNIVERSITY OF MICHIGAN, R4633 KRESGE MED RES BLDG, ANN ARBOR, MICH. Drug-induced oncogenesis in autoimmune NZB/NZW mice.
- R01CA-13299-02 (RAD) EARLE, JOHN D, STANFORD UNIVERSITY SCH OF MED, DEPT OF RADIOLOGY, STANFORD, CALIF. Cure of advanced mouse lymphoma by total body x-ray.
- R01CA-13300-02 (RAD) EL-MAHDI, ANAS M, UNIVERSITY OF VIRGINIA, DEPT OF RADIOLOGY, CHARLOTTESVILLE, VA. Control of microscopic and macroscopic metastasis (mice).
- R01CA-13302-02 (PHRB) BROWN, RAYMOND R, C-233 UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Vitamin B6, steroids and energy in cancer patients.
- R01CA-13306-02 (PTHB) DAVIDSOHN, ISRAEL, MOUNT SINAI HOSPITAL MED CENTE, CALIFORNIA AVE AT 15TH STREET, CHICAGO, ILL. Early diagnosis of cancer and of cancer metastases (human).
- R01CA-13311-03 (SSS) SUIT, HERMAN D, MASSACHUSETTS GENERAL HOSPITAL, DEPT OF RADIATION MEDICINE, BOSTON, MASS. Modification of tumor response to local irradiation (hamster, human).
- R01CA-13312-02 (RAD) ANBAR, MICHAEL, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Field ion mass spectrometry applied to cancer therapy (rats).
- R10CA-13314-02 (CCI) BAND, PIERRE E, UNIVERSITY OF ALBERTA, 7TH FLOOR - ROOM 108, EDMONTON, ALBERTA, CANADA. Eastern Cooperative Oncology Group.
- P01CA-13317-02 (SRC) TAYLOR, SAMUEL G, 3D, RUSH-PRESB-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Exploratory study for a cancer institute.
- P01CA-13326-03 (SRC) COOPERBAND, SIDNEY R, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, E116, BOSTON, MASS. Exploratory studies for cancer research.
- P01CA-13330-03 (CAP) EAGLE, HARRY, ALBERT EINSTEIN COLL OF MEDICI, 1300 MORRIS PARK AVENUE, BRONX, N Y. Cancer research program.
- P01CA-13330-03 0002 (CAP) MUGGIA, FRANCO M. Cancer research program-Cancer therapy evaluation programs (human).
- P01CA-13330-03 0005 (CAP) BRICKER, NEAL. Cancer research program-Drug metabolism and pharmacology.
- P01CA-13330-03 0006 (CAP) GHOSSEIN, NEMETALLAH A. Cancer research program-Radiotherapy of cancer patients.
- P01CA-13330-03 0007 (CAP) MUGGIA, FRANCO M. Cancer research program-Cell kinetic studies (human, mice).
- P01CA-13330-03 0008 (CAP) MARCUS, DONALD. Cancer research program-Immunology of breast cancer (human, rabbits).
- P01CA-13330-03 0010 (CAP) HARDY, MARK A. Cancer research program-Immunologic role of lymphocytes in neoplasia.
- P01CA-13330-03 0011 (CAP) BASES, ROBERT E. Cancer research program-Studies in radiotherapy (human).
- P01CA-13330-03 0012 (CAP) BASES, ROBERT E. Cancer research program-Combined irradiation and lucanthone therapy (human).
- P01CA-13330-03 0016 (CAP) BLOOM, BARRY R. Cancer research program-Lymphocyte cell-mediated immunity in cancer (human, mice).
- P01CA-13330-03 0018 (CAP) NATHANSON, STANLEY G. Cancer research program-Murino normal lymphoid and tumor cells.
- P01CA-13330-03 0020 (CAP) SCHARFF, MATTHEW D. Cancer research program-Somatic cell genetics of immunoglobulin production (human, mice).
- P01CA-13330-03 0021 (CAP) BLUMENFELD, OLGA O. Cancer research program-Cell membranes in normal and cancer cells (human).
- P01CA-13330-03 0022 (CAP) EAGLE, HARRY. Cancer research program-Effect of pH on cellular growth and function (human, mice, hamsters).
- P01CA-13330-03 0023 (CAP) BIRNFIELD, ELVERA. Cancer research program-Virus-host cell interaction.
- P01CA-13330-03 0024 (CAP) GROLLMAN, ARTHUR. Cancer research program-Mechanism of drug action (human).
- P01CA-13330-03 0027 (CAP) LEVINE, W G. Cancer research program-Hepatic excretion mechanisms for drugs and carcinogens.
- P01CA-13330-03 0028 (CAP) MAJO, JOSEPH J. Cancer research program-Repetitive DNA sequences in mammalian chromosomes (human, animals).
- P01CA-13330-03 0029 (CAP) MAKMAN, MAYNARD H. Cancer research program-Cyclic AMP in normal and malignant cells (rabbits, monkeys, human).
- P01CA-13330-03 0080 (CAP) NOVIKOFF, A. Cancer research program-Biochemical cytology of normal and malignant cells (human, animals).
- P01CA-13330-03 0031 (CAP) ROBBINS, ELIJOTT. Cancer research program-Diploid cell aging and transformation in culture (human, chick embryo).
- P01CA-13330-03 0032 (CAP) ROSEN, ORA M. Cancer research program-Cyclic AMP and protein kinase (hamsters, cattle, bacteria).
- P01CA-13330-03 0035 (CAP) WARNER, JONATHAN Z. Cancer research program-Genetic approach to RNA metabolism of eukaryotes (yeast).
- P01CA-13330-03 0036 (CAP) WU, GHENG WEN. Cancer research program-Mechanism and regulation of gene transcription (bacteria).
- P01CA-13330-03 0037 (CAP) ATKINSON, PAUL. Cancer research program-Cell structure and metabolism (human, tissue culture).
- P01CA-13330-03 0038 (CAP) AUGUST, J T. Cancer research program-Virus protein phosphorylation by virion protein kinase (frog, mice, chick embryo).
- P01CA-13330-03 0039 (CAP) BAUM, STEPHEN G. Cancer research program-Interaction of oncogenic viruses (human, monkeys, hamsters).
- P01CA-13330-03 0040 (CAP) FIELDS, BERNARD M. Cancer research program-Reovirus and friend leukemia (mice, rats).
- P01CA-13330-03 0041 (CAP) HORWITZ, MARSHALL S. Cancer research program-Adenovirus DNA and protein synthesis (human).
- P01CA-13330-03 0042 (CAP) HURWITZ, J. Cancer research program-Avian myeloblastosis reverse transcriptase (mice, human).
- P01CA-13330-03 0044 (CAP) LILLY, FRANK. Cancer research program-Genetic and immunologic factors in viral leukemogenesis (mice).
- P01CA-13330-03 0045 (CAP) SOBIRO, RUY. Cancer research program-RNA processing in human cancer and virus-infected cells.
- P01CA-13330-03 0046 (CAP) SUMMERS, DONALD F. Cancer research program-Replication of VSV in Friend virus-infected mouse cells.
- P01CA-13330-03 0047 (CAP) DURAN-REYNALS, M L. Cancer research program-Role of viral infection and 3-methylcholanthrene in neoplastic response (mice).
- P01CA-13330-03 0048 (CAP) HORWITZ, SUSAN B. Cancer research program-Biochemical pharmacology of anti-tumor drugs.
- P01CA-13330-03 0049 (CAP) STEEVES, R A. Cancer research program-Altered expression of Friend leukemia virus (mice).
- P01CA-13330-03 0050 (CAP) AUGUST, J T. Cancer research program-Molecular biology of cell transformation and tumor viruses (human, mice).
- P01CA-13330-03 0051 (CAP) BAUM, STEPHEN G. Cancer research program-Adaptation of a hamster insulinoma to tissue culture.
- P01CA-13330-03 0053 (CAP) HORWITZ, MARSHALL S. Cancer research program-Interaction of a picorna virus with cultured lymphocytes (human).
- P01CA-13330-03 0054 (CAP) BASES, ROBERT E. Cancer research program-Role of RNA-DNA hybrids in DNA synthesis and repair (human).
- P01CA-13330-03 0055 (CAP) KOWALSKY, A. Cancer research program-Control mechanisms of ion and electron transfer.
- P01CA-13330-03 0056 (CAP) SILVERMAN, PHILIP M. Cancer research program-Cell growth and morphogenesis (fungi).
- P01CA-13330-03 0057 (CAP) SCHLICKRAUT, C. Cancer research program-Host DNA replication induced by oncogenic viruses (monkeys, mice).
- P01CA-13330-03 0058 (CAP) STRECKER, H. Cancer research program-Protein turnover in normal and transformed animal cells (rats).
- P01CA-13330-03 0059 (CAP) STRECKER, H. Cancer research program-Biosynthesis of proline (chickens).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1CA-13330-03 0060 (CAP) HARDY, MARK A. Cancer research program—Role of lymphocytes in tumor immunity (human, mice).
- RO1CA-13330-03 0061 (CAP) KLINGER, HAROLD P. Cancer research program—Modulation of gene product in mouse/chick erythrocyte hybrids.
- RO1CA-13330-03 0062 (CAP) KLINGER, HAROLD P. Cancer research program—Effect of environmental pH on cell fusion in hybrid cells (human, hamsters).
- RO1CA-13330-03 0063 (CAP) KLINGER, HAROLD P. Cancer research program—Molecular processes associated with gene modulation (mice, chickens).
- RO1CA-13330-03 0064 (CAP) KLINGER, HAROLD P. Cancer research program—Genetic regulation of malignancy (mice).
- RO1CA-13330-03 0065 (CAP) JANIS, MICHAEL. Cancer research program—Tumor registry.
- RO1CA-13330-03 0066 (CAP) EAGLE, HARRY. Cancer research program—Eastern Cooperative Oncology Group.
- RO1CA-13332-03 (PTMB) FISHMAN, WILLIAM H, TUFTS UNIV SCH OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Fundamental enzymologic studies applied to oncology (human, mice).
- RO1CA-13333-03 (PTMB) KRUEGER, ROBERT G, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Murine myeloma tumor studies.
- RO1CA-13336-02 (PTMB) LIVSTONE, ELIJOT, YALE MEDICAL SCHOOL, 333 CEDAR ST, NEW HAVEN, CONN. Proliferative abnormalities in carcinoma of colon (human).
- RO1CA-13339-02 (PTMB) WEKSLER, MARC E, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Host defenses against lymphoblastic leukemia (human, mice).
- RO1CA-13343-02 (CAP) NELSON, NORTON, N. Y. UNIVERSITY MEDICAL CENTER, 550 1ST AVE, NEW YORK, N. Y. Environmental cancer.
- RO1CA-13343-02 0001 (CAP) VAN DUUREN B L. Environmental cancer—Natural product carcinogens (plants, rats).
- RO1CA-13343-02 0002 (CAP) VAN DUUREN B L. Environmental cancer—Comparative metabolic studies of carcinogens (rodents, monkeys).
- RO1CA-13343-02 0003 (CAP) VAN DUUREN B L. Environmental cancer—Etiology in carcinogenesis—Chemical and viral agents in cell culture systems.
- RO1CA-13343-02 0004 (CAP) VAN DUUREN B L. Environmental cancer—Cytogenetics of carcinogenesis, mutagenesis and tumor reversion (mice).
- RO1CA-13343-02 0005 (CAP) VAN DUUREN B L. Environmental cancer—Interactions of carcinogens and cocarcinogens with cell membranes (mammals).
- RO1CA-13343-02 0006 (CAP) TROLL W. Environmental cancer—Causation and prevention of bladder cancer (dogs, mice, rats, monkeys).
- RO1CA-13343-02 0007 (CAP) TROLL W. Environmental cancer—Inhibition of cancer by protease inhibitors and steroid hormones (rodents).
- RO1CA-13343-02 0008 (CAP) TROLL W. Environmental cancer—Mutagenicity of environmental carcinogens (mice T4).
- RO1CA-13343-02 0009 (CAP) TROLL W. Environmental cancer—Mitoch. DNA as test system for chemical carcinogens and mutagens (rats, yeasts).
- RO1CA-13343-02 0010 (CAP) TROLL W. Environmental cancer—Metal carcinogenesis (mice, bacteria, rats).
- RO1CA-13343-02 0011 (CAP) KUSCHNER, M. Environmental cancer—Experimental oncology (hamsters, mice, rats).
- RO1CA-13343-02 0012 (CAP) ALBERT, R E. Environmental cancer—Experimental radiation skin carcinogenesis (rats, mice).
- RO1CA-13343-02 0013 (CAP) ALBERT R E. Environmental cancer—Experimental liver neoplasms (rats).
- RO1CA-13343-02 0014 (CAP) ALBERT R E. Environmental cancer—Assay of genetic damage and cellular proliferation (rodents).
- RO1CA-13343-02 0015 (CAP) PALMES E D. Environmental cancer—Toxicology—Mouse population studies.
- RO1CA-13343-02 0016 (CAP) ALTSCHULER B. Environmental cancer—Biostatistics—Kinetics of tumor formation (mice).
- RO1CA-13343-02 0017 (CAP) EISENBUD M. Environmental cancer—Evaluating exposure of miners to radon with lead-210.
- RO1CA-13343-02 0018 (CAP) EISENBUD M. Environmental cancer—Distribution and persistence of carcinogenic transuranium (human, monkeys).
- RO1CA-13343-02 0019 (CAP) ALBERT R E. Environmental cancer—Environmental and cancer epidemiology (human).
- RO1CA-13343-02 0020 (CAP) LIPPMAN M. Environmental cancer—Computer model for calculating lung tissue dose from inhaled carcinogens (human).
- RO1CA-13343-02 0021 (CAP) PALMES E D. Environmental cancer—Toxicology—Dosimetry and particulate carcinogens (human).
- RO1CA-13343-02 0022 (CAP) ALBERT R E. Environmental cancer—Use of aerosols for lung cancer diagnosis and screening surveys (donkeys, human).
- RO1CA-13344-03 (ET) GOODMAN, JAY I, MICHIGAN STATE UNIVERSITY, DEPT OF PHARMACOLOGY, EAST LANSING, MICH. Repair synthesis of DNA in precancerous rat liver.
- RO1CA-13347-03 (VR) LINNA, T JUHANI, TEMPLE UNIV SCHOOL OF MED, 3400 N BROAD STREET, PHILADELPHIA, PA. Influence of the immune system on viral tumorigenesis (chickens).
- RO1CA-13351-02 (RAD) FERGUSON, DONALD J, UNIVERSITY OF CHICAGO HOSPITAL, 950 EAST 59TH STREET BOX 402, CHICAGO, ILL. Selection of cancer therapy by uptake of cesium 131 (human).
- RO1CA-13353-02 (RAD) SONG, CHANG W, UNIVERSITY OF MINNESOTA, MAYO BOX 494, MINNEAPOLIS, MINN. Vascularity and reoxygenation in x-irradiated tumors (rats).
- RO1CA-13362-03 (VR) GOLDBERG, ALLAN R, ROCKEFELLER UNIVERSITY, NEW YORK, N. Y. RSV functions involved in transformation.
- RO1CA-13364-02 (MAB) WEPSIC, HAROLD T, VA HOSPITAL, DEPT OF PATHOLOGY, LA JOLLA, CALIF. Evaluation of tumor antigen-detection systems (rats, rabbits, goats).
- RO1CA-13369-03 (MCHA) CASPI, BLIAHU, WORCESTER FDN/EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Sterol biosynthesis in cancer (animals, human, peas).
- RO1CA-13370-03 (BBCB) TS'O, PAUL O, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. ESR study on hydrocarbon radicals and carcinogenesis.
- RO1CA-13371-02 (RAD) CARLSON, DONALD E, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Preclinical study of radiobiology of negative pions (mice).
- RO1CA-13372-03 (ET) GOLDSTEIN, DONALD P, PETER BENT BRIGHAM HOSP, 721 HUNTINGTON AVENUE, BOSTON, MASS. Prevention and treatment of trophoblastic disease.
- RO1CA-13376-02 (PTMB) OKIGAKI, TOHRU, PASADENA FDN FOR MED RESEARCH, 99 N EL MOLINO AVENUE, PASADENA, CALIF. Hepatocarcinogenesis in culture (rats, human).
- RO1CA-13377-02 (PTMB) BUFFETT, RITA F, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Immunological prevention of leukemia induction (mice).
- RO1CA-13381-03 (HEM) SAGONE, ARTHUR L, JR, OHIO STATE UNIV HOSP, 410 W 10TH AVENUE, COLUMBUS, OHIO. Metabolic characteristics of cellular immune response (human).
- RO1CA-13384-03 (VR) KLEIN, PAUL A, UNIV OF FLORIDA COLL OF MED, DEPARTMENT OF MEDICINE, GAINESVILLE, FLA. Immunogenicity of membrane and tumor antigens (mice).
- RO1CA-13393-02 (VR) POSTE, GEORGE H, ROSWELL EXPERIMENTAL PATHOLOGY, 666 ELM STREET, BUFFALO, N. Y. Reversion of properties in virus-transformed cells.
- RO1CA-13394-02 (VR) KELLY, THOMAS J, JR, JOHNS HOPKINS UNIV SCHOOL OF M, 725 N WOLFE ST, BALTIMORE, MD. Mechanism of viral carcinogenesis (human).
- RO1CA-13395-03 (ALY) RAUR, SONIA, STANFORD UNIV SCHOOL OF MEDICI, DEPT OF MEDICINE, STANFORD, CALIF. Antigens on cell surface of gastrointestinal neoplasms (humans).
- RO1CA-13396-03 (MAB) MILLER, HAROLD C, MICHIGAN STATE UNIVERSITY, DEPT OF MICROBIO & P H, EAST LANSING, MICH. Immunogenesis from bone-marrow cells (mice).
- RO1CA-13397-03 (PTMB) KIBRICK, SIDNEY, BOSTON UNIV SCH OF MEDICINE, 80 EAST CONCORD STREET, BOSTON, MASS. Cervical carcinoma—Immunology and biophysics (Herpes virus, human, hamsters).
- RO1CA-13400-02 (MAY) PEDERSON, THORU, WORCESTER FDN FOR EXP BIO, 222 MAPLE AVENUE, SHREWSBURY, MASS. Macromolecular events in synchronized tumor cells.
- RO1CA-13401-03 (ET) GRADY, LEO J, NEW YORK ST DEPT OF HEALTH, DIV OF LABS & RES, ALBANY, N. Y. 5-Bu'dR effects on polyoma and SV40 transformed cells (mice).
- RO1CA-13402-03 (CBY) ATKINSON, PAUL M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Surface membranes in normal and cancer cells (human).
- RO1CA-13408-03 (BIO) BYVOET, PAUL, UNIV OF FLORIDA COLL OF MED, DEPT OF PATHOLOGY, GAINESVILLE, FLA. Carcinogenesis and histone methylation (rats).
- RO1CA-13410-02 (PTMB) SONNENSCHERN, CARLOS, TUFTS UNIVERSITY SCHOOL OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Mechanism of hormone action on target cells in culture (human, rats, mice).
- RO1CA-13412-03 (MAY) LUMB, ROGER H, WESTERN CAROLINA UNIVERSITY, BOX 3748, CULLOWHEE, N. C. Role of phospholipase in neoplasia (rats).
- RO1CA-13414-03 (MAY) RHODE, SOLON L, 3D, PUTNAM MEMORIAL HOSP RES INST, BENNINGTON, VT. Replicon control in normal and transforming cells (hamsters).
- RO1CA-13417-02 (END) OPNER, PETER, LEMUEL SHATTUCK HOSPITAL, 170 MORTON STREET, BOSTON, MASS. Androgens in prostatic and epididymal culture (human, dogs).
- RO1CA-13418-03 (END) STOLC, VIKTOR, UNIV OF PITTSBURGH SCH OF MED, 3550 TERRACE STREET, PITTSBURGH, PA. Endocrine factors in normal and leukemic leukocytes (human).
- RO1CA-13419-01 (CAP) TALMAGE, DAVID W, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Program project in basic oncology.
- RO1CA-13422-02 (MAY) FLAGEMANN, PETER G, UNIVERSITY OF MINNESOTA, DEPT OF MICROBIOLOGY, MINNEAPOLIS, MINN. Biochemical studies of rat hepatoma cells in culture.
- RO1CA-13427-02 (PTMB) MARTIN, JOSEPH E, UNIVERSITY OF TEXAS MED SCH, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Hormonal mechanisms endometrial carcinoma (human, rabbits).
- RO1CA-13431-03 (VR) CRUMPACKER, CLYDE S, 2D, BOSTON CITY HOSPITAL, 774 ALBANY STREET, BOSTON, MASS. Herpes virus nucleic acids in human tumors.
- RO1CA-13434-03 (MAY) MEINKE, WILLIAM J, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Plasma membrane DNA in neoplastic and normal cells (human, monkeys, rodents).
- RO1CA-13435-02 (RAD) JENKINS, VERNON K, UNIVERSITY OF TEXAS, DEPARTMENT OF RADIOLOGY, GALVESTON, TEX. Effects of therapeutic radiation on lymphocyte response (human).
- RO1CA-13437-02 (RAD) WARD, JOHN F, LAB OF NUCLEAR MED & RAD BIO, 900 VETERAN AVENUE, LOS ANGELES, CALIF. Cellular repair of potentially mutagenic damage (bacteria, protozoa, mammals).
- RO1CA-13441-03 (SSS) LEIF, ROBERT C, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. Flow analysis of normal and neoplastic cells (human, cattle).
- RO1CA-13444-03 (BIO) BITENSKY, MARK W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Regulation of adenyl cyclase (neoplastic cells).
- RO1CA-13446-01 (CCI) MC GOWAN, LARRY, GEORGE WASHINGTON UNIVERSITY, 2150 PENNSYLVANIA AVENUE, N. W., WASHINGTON, D. C. Gynecologic Oncology Group.
- RO1CA-13447-02 (END) VAN HERLE, ANDRE J, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICINE, LOS ANGELES, CALIF. Circulating thyroidal proteins in thyroid carcinoma (human).
- RO1CA-13449-02 (PHRB) TU, ANTHONY T, COLORADO STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, FORT COLLINS, COLO. Antitumor components from animal venoms (mice).
- RO1CA-13451-02 (PTHA) EVANS, AUDREY E, CHILDREN'S HOSPITAL OF PHILA, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. The biology of human neuroblastoma.
- RO1CA-13453-03 (PTMB) TURNER, MICHAEL D, UNIVERSITY OF ROCHESTER, STRONG MEMORIAL HOSPITAL, ROCHESTER, N. Y. Antigens from human cancer tissue.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01CA-13456-02 (PTHB) PRENN, RICHMOND T, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Human immune response to malignancy during immunotherapy.
- R10CA-13457-02 (CCI) DAVIS, LAWRENCE W, HOSP OF UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Radiation therapy oncology group.
- R01CA-13458-02 (MBY) SCOTT, ROBERT E, UNIVERSITY OF MINNESOTA, 184M JACKSON HALL, MINNEAPOLIS, MINN. Membrane structure, control of cell division and cancer (human).
- R01CA-13459-02 (MCHA) RAO, KOPPAKA V, UNIVERSITY OF FLORIDA, J HILLIS MILLER HEALTH CENTER, GAINESVILLE, FLA. Synthesis of azotomycin and related peptides.
- R01CA-13464-03 (GMA) BLACK, HOMER S, BAYLOR COLLEGE OF MEDICINE, DEPT OF DERMATOLOGY, HOUSTON, TEX. Photochemical reactions related to skin cancer (mice).
- R01CA-13465-01 (IMB) LONGMIRE, ROBERT L, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Hodgkin's disease and lymphoreticular activities (human).
- R01CA-13467-02 (PTHB) VREDEVOE, DONNA L, UNIVERSITY OF CALIFORNIA, CENTER FOR HEALTH SCIENCES, LOS ANGELES, CALIF. Immunotherapy of mouse lymphomas.
- R01CA-13468-02 (PTHB) VREDEVOE, DONNA L, UNIVERSITY OF CALIFORNIA, SCHOOL OF NURSING, LOS ANGELES, CALIF. Growth potential of single lymphoma cells in mice.
- R01CA-13469-02 (RAD) KELSEY, CHARLES A, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Neutron radiation cancer therapy source.
- P01CA-13472-02 (CAP) NATHAN, DAVID G, CHILDREN'S HOSP MED CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Investigation of childhood leukemia.
- P01CA-13472-02 0001 (CAP) NATHAN, DAVID G. Investigation of childhood leukemia—Treatment of leukemic patients.
- P01CA-13472-02 0002 (CAP) MCCAFFREY, RONALD. Investigation of childhood leukemia—Reverse transcriptase in mammalian cells (human, rats).
- P01CA-13472-02 0003 (CAP) SCHER, CHARLES. Investigation of childhood leukemia—Clonal selection of leukemic cells (mice, human).
- P01CA-13472-02 0004 (CAP) ABELSON, HERBERT. Investigation of childhood leukemia—Targets of chemotherapy and localization of transforming virus genes (human).
- P01CA-13472-02 0005 (CAP) PARKMAN, ROBERTSON. Investigation of childhood leukemia—Effect of cell fusion on immunogenicity of tumor antigens (mice).
- R01CA-13478-03 (VR) SHAM, KEERTI V, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Investigation of SV40-related infections of man.
- R01CA-13479-03 (VR) MANLY, KENNETH F, ROSWELL PARK MEMORIAL INSTITUT, 666 ELM STREET, BUFFALO, N Y. Provirus of RNA tumor viruses (mice).
- R01CA-13494-02 (VR) RAFFERTY, KEEN A, JR, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. Cell analysis of some virus-associated tumors of man.
- R01CA-13506-03 (VR) SUMMERS, JESSE W, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Characterization of virus genomes in transformed cells.
- R01CA-13513-03 (MBY) CULP, LLOYD A, CASE WESTERN RESERVE UNIVERSIT, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Surface properties of virally transformed and revertant cells (mice).
- R01CA-13515-02 (GEN) SUMMERS, WILLIAM C, YALE UNIVERSITY SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Genetic study of animal viruses (monkeys).
- P02CA-13525-03 (CAP) WILSON, CHARLES B, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Program for treatment of malignant brain tumors.
- P02CA-13525-03 0001 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Morphology of cultured glial tumors (human).
- P02CA-13525-03 0002 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Immunological approach to murine gliomas (rats, mice).
- P02CA-13525-03 0003 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Amino acid analysis of glial tumors (human).
- P02CA-13525-03 0004 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Kinetics of gliomas in cell culture (human).
- P02CA-13525-03 0005 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Kinetics of murine gliomas in vivo (rats).
- P02CA-13525-03 0006 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Kinetics of human glioblastomas in vivo.
- P02CA-13525-03 0007 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Enzyme histochemical analysis of cultured brain tumors (human).
- P02CA-13525-03 0008 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Experimental chemotherapy of brain tumors (mammals).
- P02CA-13525-03 0009 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Sterol analysis of brain tumors (rats).
- P02CA-13525-03 0010 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Aldolase C in brain tumors (human).
- P02CA-13525-03 0011 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Immunology of central nervous system tumors (human).
- P02CA-13525-03 0012 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Virus-like particles in human schwannoma.
- P02CA-13525-03 0013 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Isolation and purification of virus-like particles (hamsters).
- P02CA-13525-03 0014 (CAP) WILSON, CHARLES B. Program for treatment of malignant brain tumors—Ultrastructure of methyl nitrosourea-induced rat glioma.
- P01CA-13526-03 (CAP) WEBER, GEORGE, INDIANA UNIV SCHOOL OF MED, ROOM 232 RILEY CANCER WING, INDIANAPOLIS, IND. Correlated study of metabolic regulation in neoplasia.
- P01CA-13526-03 0001 (CAP) ALLEN, DONALD O. Correlated study of metabolic regulation in neoplasia—Correlated study metabolic regulation in neoplasia.
- P01CA-13526-03 0002 (CAP) ASHMORE, JAMES. Correlated study of metabolic regulation in neoplasia—Role of cyclic AMP in regulation of metabolism in neoplastic tissues.
- P01CA-13526-03 0003 (CAP) CLARK, JULIA BERG. Correlated study of metabolic regulation in neoplasia—Phosphodiesterase activity in cyclic AMP homeostasis (rats).
- P01CA-13526-03 0004 (CAP) DUNAWAY, GEORGE A JR. Correlated study of metabolic regulation in neoplasia—Iszyme pattern and control of key glycolytic enzymes (rats).
- P01CA-13526-03 0005 (CAP) FERDINANDUS, JOHN A. Correlated study of metabolic regulation in neoplasia—Regulation of DNA metabolism in normal and cancer cells (human, birds, rodents).
- P01CA-13526-03 0006 (CAP) QUEENER, SHERRY F. Correlated study of metabolic regulation in neoplasia—Regulation of pyrimidine metabolism (rats).
- P01CA-13526-03 0007 (CAP) TRAHAN, LUC J P. Correlated study of metabolic regulation in neoplasia—Control of key gluconeogenic enzymes (rats).
- P01CA-13526-03 0008 (CAP) WAGLE, S R. Correlated study of metabolic regulation in neoplasia—Control mechanisms of protein biosynthesis (rats).
- P01CA-13526-03 0009 (CAP) WEBER, GEORGE. Correlated study of metabolic regulation in neoplasia—Cell proliferation and metabolism in mammalian cells (human, rats).
- R01CA-13529-02 (PHY) WISE, WILLIAM C, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Amino acid transport in normal and neoplastic cells (rats).
- R01CA-13533-03 (PTHB) SUSSMAN, HOWARD H, STANFORD UNIVERSITY, PATHOLOGY DEPT, STANFORD, CALIF. Ectopic placental proteins in cancer (human).
- R01CA-13534-03 (PTHB) MORRISON, MARTIN, ST JUDE CHILDREN'S RES HOSPITA, 332 NORTH LAUDERDALE, MEMPHIS, TENN. Plasma membrane proteins in normal and cancer cells (human).
- R01CA-13537-03 (BIO) CHEUNG, WAI Y, ST JUDE CHILDREN'S RES HOSP, 332 NORTH LAUDERDALE, MEMPHIS, TENN. Cyclic AMP system in normal and neoplastic cells (3T3 cells, cattle).
- R01CA-13538-03 (CBY) ELUL, RAFAEL, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Neuroblastoma model of benign-malignant neoplasm phases (mice).
- R10CA-13539-02 (CCI) HAMMOND, G DENMAN, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Children's cancer study Group A.
- R01CA-13540-03 (END) VOLPERT, EUGENE M, MEDICAL FOUNDATION OF BUFFALO, 73 HIGH STREET, BUFFALO, N Y. Cancer of the thyroid and its hormonal identity (human, rats).
- R01CA-13548-02 (PTHB) AUERBACH, ROBERT, UNIVERSITY OF WISCONSIN, 1117 WEST JOHNSON STREET, MADISON, WISCONSIN. Controlled differentiation of tumor cells (mice).
- P01CA-13556-03 (CAP) PETRAKIS, NICHOLAS L, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Core program—genetical epidemiology of cancer.
- P01CA-13576-02 (SRC) BOONE, MAX L, UNIVERSITY OF ARIZONA, COLLEGE OF MEDICINE, TUCSON, ARIZ. Exploratory studies in cancer research.
- R01CA-13587-03 (CBY) MEINS, FREDERICK, JR, PRINCETON UNIVERSITY, BIOLOGY DEPARTMENT, PRINCETON, N J. Heritable changes in tumor cell phenotype (crown gall).
- R01CA-13591-03 (PC) RANDEKATH, KURT, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Chemical studies on tumor and tumor virus RNA (human, hamster, rats, mice).
- R01CA-13592-05 (MCHA) VINCE, ROBERT, UNIVERSITY OF MINNESOTA, COLLEGE OF PHARMACY, MINNEAPOLIS, MINN. Ribosomal mapping with carbocyclic puromycin analogs (bacteria).
- R01CA-13595-03 (PTHB) SORENSON, GEORGE D, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. Electron microscopy of lymphoreticular tissues (mice, human).
- R01CA-13596-03 (MBY) ARMENTROUT, STEVEN A, UNIVERSITY OF CALIFORNIA, CALIFORNIA COLLEGE OF MEDICINE, IRVINE, CALIF. Directed protein synthesis in mammalian cells (rabbits, mice, HeLa cells).
- R01CA-13598-03 (BBCA) SONG, PILL-SOON, TEXAS TECH UNIVERSITY, DEPARTMENT OF CHEMISTRY, LUBBOCK, TEX. Interactions between DNA and skin-sensitizing coumarins (bacillus subtilis).
- R01CA-13599-04 (IMB) KLEIN, EDMUND, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Relation of immune reactions to cutaneous neoplasia (human, rats).
- R01CA-13600-02 (PHRB) SMUCKLER, EDWARD A, UNIVERSITY OF WASHINGTON, DEPT OF PATHOLOGY, SEATTLE, WASH. Pathology of chemical carcinogenesis (rats).
- R01CA-13602-06 (BIO) ENGLUND, PAUL T, JOHNS HOPKINS SCHOOL OF MED, 725 N WOLFE STREET, BALTIMORE, MD. Structure and mechanism of action of DNA polymerase (animals, microorganisms).
- R01CA-13603-03 (VISA) WADSWORTH, JOSEPH A, DUKE UNIVERSITY MEDICAL CTR, DEPT OF OPHTHALMOLOGY, DURHAM, N C. Clinicopathologic study of ocular and orbital cancer (human).
- R01CA-13604-03 (ET) KALMAN, THOMAS I, STATE UNIVERSITY OF NEW YORK, SCHOOL OF PHARMACY, BUFFALO, N Y. Selected studies in nucleic acid metabolism.
- R01CA-13605-03 (CBY) STEINBERG, MALCOLM S, PRINCETON UNIVERSITY, DEPARTMENT OF BIOLOGY, PRINCETON, N J. Determinants of malignant and embryonic cell behavior (chordates, ctenophores).
- R10CA-13607-03 (CCI) HUTCHISON, GEORGE B, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Hodgkin's disease cooperative study.
- R01CA-13608-03 (GEN) VOGT, MARGUERITE M, SALK INST FOR BIO STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Function of viral genes involved in transformation (rodents).
- R01CA-13609-03 (MBY) HATEFI, YOUSSEF, SCRIPPS CLINIC & RES FDN, 476 PROSPECT ST, LA JOLLA, CALIF. Senescence, malignancy and membrane destabilization (human, mice, rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-13610-02 (BIO) SAUER, LEONARD A, YALE MEDICAL SCHOOL, 333 CEDAR STREET, NEW HAVEN, CONN. Control of the adenine nucleotides in ascites tumors.
- R10CA-13611-02 (CCI) BRODSKY, ISADORE, HAHNEMANN MEDICAL COLL & HOSP, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Eastern cooperative oncology group.
- R10CA-13612-01 (CCI) SALMON, SYDNEY E, UNIVERSITY OF ARIZONA, COLLEGE OF MEDICINE, TUCSON, ARIZ. Southwest Cancer Chemotherapy Study Group.
- R10CA-13613-03 (CCI) LERNER, HARVEY J, PENNSYLVANIA HOSPITAL, EIGHTH & SPRUCE STREETS, PHILADELPHIA, PA. Eastern cooperative oncology group.
- R01CA-13616-02 (MCHB) HUTCHINSON, C RICHARD, UNIVERSITY OF CONNECTICUT, SCHOOL OF PHARMACY, STORRS, CONN. Metabolism of naturally occurring antitumor compounds.
- R01CA-13622-02 (RAD) DUMONT, ALLAN E, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Hodgkin's disease-Retrograde spread via thoracic duct (dogs).
- R01CA-13625-03 (PTMB) SORENSON, GEORGE D, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF PATHOLOGY, HANOVER, N. H. Myeloma tumors in cell culture.
- R01CA-13625-03 0001 (PTMB) SORENSON, GEORGE D. Myeloma tumors in cell culture-Loss of oncogenicity (mice).
- R01CA-13625-03 0002 (PTMB) SORENSON, GEORGE D. Myeloma tumors in cell culture-Control or modulation of differentiated function (mice).
- R01CA-13625-03 0003 (PTMB) SORENSON, GEORGE D. Myeloma tumors in cell culture-Control or modulation of tumor growth in vivo (mice).
- R01CA-13625-03 0004 (PTMB) SORENSON, GEORGE D. Myeloma tumors in cell culture-Effect of exogenous viruses on myeloma cells (mice).
- R01CA-13625-03 0005 (PTMB) SORENSON, GEORGE D. Myeloma tumors in cell culture-Etiological significance of viral particles in myeloma cells (mice).
- R01CA-13625-03 0006 (PTMB) SORENSON, GEORGE D. Myeloma tumors in cell culture-Human myeloma cells.
- R01CA-13628-02 (VR) OLSON, CARL, UNIVERSITY OF WISCONSIN, 1655 LINDEN DRIVE, MADISON, WIS. Pathogenesis of virus (bovine) induced lymphosarcoma (sheep, cattle).
- R10CA-13630-03 (CCI) LAGASSE, LEO D, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Gynecologic oncology group.
- R10CA-13631-02 (CCI) MAJOR, FRANCIS J, DENVER GENERAL HOSPITAL, WEST 8TH AVE & CHEROKEE STREET, DENVER, COLO. Gynecology oncology group.
- R10CA-13632-03 (CCI) FRANKLIN, ERNEST W, 3D, EMORY UNIVERSITY, 69 BUTLER ST, S E ATLANTA, GA. Gynecologic oncology group.
- R10CA-13633-03 (CCI) BORONOW, RICHARD C, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Gynecologic oncology group.
- P01CA-13635-02 (SRC) CHALMERS, THOMAS C, MOUNT SINAI SCHOOL OF MED, FIFTH AVE & 100TH STREET, NEW YORK, N. Y. Planning for cancer research program.
- P01CA-13637-02 (SRC) VAETH, JEROME M, WEST COAST CANCER FDN, INC, : PACIFIC MED CTR, BOX 7999, SAN FRANCISCO, CALIF. Exploratory study in cancer research.
- R01CA-13638-03 (MBY) FRIEDMAN, DANIEL L, VANDERBILT UNIVERSITY, BOX 1820, STATION B, NASHVILLE, TENN. Cyclic nucleotides in HeLa cell growth.
- R01CA-13639-03 (GEN) JONES, OLIVER W, JR, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF MEDICINE, LA JOLLA, CALIF. Biochemistry of chromosome function in man.
- R10CA-13641-03 (CCI) DI SALA, PHILIP J, UNIV OF SOUTHERN CALIFORNIA, 1240 N MISSION ROAD, LOS ANGELES, CALIF. Gynecologic oncology group.
- R10CA-13643-02 (CCI) RUPPNER, B WINFRED, JR, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, CHARLOTTESVILLE, VA. Southwest cancer chemotherapy study group.
- R01CA-13645-02 (BND) BROOKS, SAM C, MICHIGAN CANCER FOUNDATION, 110 E WARREN AVENUE, DETROIT, MICH 48201. Sulfotransferases in normal and cancerous tissues (human, cattle).
- R01CA-13648-02 (MCHB) STERMITZ, FRANK R, COLORADO STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, FORT COLLINS, COLO. Antitumor agents from natural sources (plants, mammals).
- R10CA-13650-02 (CCI) MOERTEL, CHARLES G, MAYO FOUNDATION, 200 FIRST ST, SOUTHWEST, ROCHESTER, MINN. Eastern Cooperative Oncology Group.
- R10CA-13651-02 (CCI) FITZPATRICK, THOMAS B, MASSACHUSETTS GENERAL HOSPITAL, DEPT OF DERMATOLOGY, BOSTON, MASS. Malignant melanoma group.
- R01CA-13657-05 (BIO) HUENNEKENS, FRANK M, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Control of ribonucleotide reduction in eukaryotes (yeasts, mammals).
- R01CA-13658-03 (ALY) WALLACE, JOHN H, UNIVERSITY OF LOUISVILLE, DEPT OF MICROBIOLOGY, LOUISVILLE, KY. Effects of lymphokines on tumor cells (human, rats, guinea pigs).
- R01CA-13661-02 (PTMB) JACKSON, JOHN F, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Cytogenetics of human tumors.
- R10CA-13662-02 (CCI) KOPF, ALFRED W, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N. Y. Malignant melanoma group.
- R01CA-13664-03 (MAB) PRESSMAN, DAVID, ROSWELL MEMORIAL PARK INSTITUT, 666 ELM STREET, BUFFALO, N. Y. Cancer immunotherapy by reducing feedback antibody (rats, rabbits, sheep).
- R01CA-13666-02 (RAD) HAYS, ESTHER F, LAB OF NUCLEAR MED & RAD BIO, 940 VETERAN AVENUE, LOS ANGELES, CALIF. Colony forming cells in bone marrow (human, mice).
- R10CA-13669-02 (CCI) CLARK, WALLACE H, JR, TEMPLE UNIVERSITY, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Malignant melanoma group.
- R10CA-13671-02 (CCI) BLOIS, MARSDEN S, JR, UNIVERSITY OF CALIFORNIA, 32 AT PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Malignant melanoma group.
- R01CA-13675-01 (BDC) LEE, JOHN A, UNIVERSITY OF WASHINGTON, DEPT OF EPID & INTL HLTH, SEATTLE, WASH. Determinants of fatal skin tumors (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01CA-13678-02 (PTMB) SHEAHAN, DANIEL G, YALE UNIVERSITY, 310 CEDAR STREET, NEW HAVEN, CONN. Blood group substances and gastrointestinal neoplasia (human).
- R01CA-13683-02 (RAD) LASSER, BILLYOTT C, UNIVERSITY HOSPITAL, 225 W DICKINSON ST, SAN DIEGO, CALIF. Lung cancer-Videodensitometry for mass screening.
- R01CA-13685-02 (MCHA) DOLBY, LLOYD J, UNIVERSITY OF OREGON, DEPARTMENT OF CHEMISTRY, EUGENE, OREG. Total synthesis of cephalotaxine.
- R01CA-13687-01 (BT) GOLD, JOSEPH, SYRACUSE CANCER RESEARCH INST, 600 EAST GENESEE STREET, SYRACUSE, N. Y. Treatment of cancer by inhibition of gluconeogenesis.
- R01CA-13689-02 (MCHA) NICKSON, JAMES J, UNIV OF TENN MED UNITS, 62 SOUTH DUNLAP, MEMPHIS, TN. Tumor inhibitors-synthesis of vorolepin.
- P01CA-13694-01 (SRC) LIEBELT, ROBERT A, MEDICAL COLLEGE OF GEORGIA, 1459 GWINNETT STREET, AUGUSTA, GA. Exploratory studies for cancer research (human).
- P02CA-13696-02 (CAP) MARKS, PAUL A, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N. Y. Clinical cancer research center.
- P02CA-13696-02 0001 (CAP) RANK, ARTHUR. Clinical cancer research center-Leukemia, lymphoma and myeloma (human).
- P02CA-13696-02 0002 (CAP) RANK, ARTHUR. Clinical cancer research center-Multiple myeloma and related plasma cell dyscrasia (human).
- P02CA-13696-02 0003 (CAP) RANK, ARTHUR. Clinical cancer research center-Human leukemic cell differentiation.
- P02CA-13696-03 0084 (CAP) RANK, ARTHUR. Clinical cancer research center-Effects of viruses on hemopoietic cells (mice, human).
- P02CA-13696-02 0005 (CAP) KOVACH, JOHN S. Clinical cancer research center-Regulation of enzyme induction in normal and neoplastic cells.
- P02CA-13696-02 0006 (CAP) FRANTZ, ANDREW G. Clinical cancer research center-Human prolactin in breast cancer.
- P02CA-13696-02 0007 (CAP) HAAGENSEN, CUSHMAN D. Clinical cancer research center-Epidemiological studies of breast cancer (human).
- P02CA-13696-02 0008 (CAP) VANDE WIELE, RAYMOND D. Clinical cancer research center-Endocrine studies in breast cancer (human).
- P02CA-13696-02 0009 (CAP) DILLEY, WILLIAM G. Clinical cancer research center-Organ culture of breast cancer tissue (human).
- P02CA-13696-02 0010 (CAP) SPIEGELMAN, SOL. Clinical cancer research center-Viral oncogenesis (human).
- P02CA-13696-03 0011 (CAP) LOGERFO, P. Clinical cancer research center-Immunochemical studies of breast tissue antigens (human, rabbits, hamsters).
- P02CA-13696-02 0012 (CAP) SUCTV-FOCA, NICOLE. Clinical cancer research center-Lymphocyte reaction in cancer (human, rats, mice).
- P02CA-13696-02 0013 (CAP) HERTER, FREDERIC P. Clinical cancer research center-Lymphocyte reaction in cancer (human).
- P02CA-13696-02 0014 (CAP) SLANETZ, CHARLES A. Clinical cancer research center-Colorectal cancer-Fiberoptic colonoscopy (human).
- P02CA-13696-02 0015 (CAP) CHANG, CHU H. Clinical cancer research center-Colorectal cancer-Adjuvant radiotherapy (human).
- P02CA-13696-02 0016 (CAP) HERTER, FREDERIC P. Clinical cancer research center-Colorectal cancer-Adjuvant chemotherapy (human).
- P02CA-13696-03 0017 (CAP) KORNFELD, DONALD. Clinical cancer research center-Psychiatric aspects of colorectal surgery (human).
- P02CA-13696-03 0018 (CAP) LANE, NATHAN. Clinical cancer research center-Pathological aspects of colorectal cancer (human).
- P02CA-13696-02 0019 (CAP) LOGERFO, PAUL. Clinical cancer research center-Immunochemical studies of colorectal cancer (human).
- P02CA-13696-02 0020 (CAP) HERTER, FREDERIC P. Clinical cancer research center-Role of bacterial flora of intestine in carcinogenesis (human).
- P02CA-13696-02 0021 (CAP) VANDE WIELE, RAYMOND D. Clinical cancer research center-Gonadal function in endocrine-dependent tumors (human).
- P02CA-13696-02 0022 (CAP) VANDE WIELE, RAYMOND D. Clinical cancer research center-Tumorigenesis in primate ovaries and testes.
- P02CA-13696-02 0023 (CAP) HOUSEPIAN, EDGAR M. Clinical cancer research center-Chemotherapy of nervous system tumors-Clinical studies (human).
- P02CA-13696-02 0024 (CAP) HOUSEPIAN, EDGAR M. Clinical cancer research center-Chemotherapy of nervous system tumors-Laboratory studies (human).
- P02CA-13696-02 0025 (CAP) SCHLESINGER, EDWARD B. Clinical cancer research center-Nervous neoplasms-Isotope concentration in tumor response (dogs).
- P02CA-13696-02 0026 (CAP) SCHLESINGER, EDWARD B. Clinical cancer research center-Nervous neoplasms-Effect of contrast media at brain cellular level (human).
- P02CA-13696-02 0027 (CAP) HILAL, SADEK K. Clinical cancer research center-Neuroradiology of CNS tumors-Angiographic morphology and morphometry (human).
- P02CA-13696-02 0028 (CAP) HILAL, SADEK K. Clinical cancer research center-Neuroradiology of CNS tumors-Superselective catheterization (dogs, human).
- P02CA-13696-02 0029 (CAP) HILAL, SADEK, K. Clinical cancer research center-Neuroradiology of CNS tumors-Measuring blood flow and cerebral edema (human).
- P02CA-13696-02 0080 (CAP) HOUSEPIAN, EDGAR M. Clinical cancer research center-Educational programs on diagnosis and treatment of patients with CNS tumors.
- P02CA-13696-02 0031 (CAP) DUFFY, PHILIP E. Clinical cancer research center-Tissue banks for tumors of the nervous system (human).
- P02CA-13696-02 0032 (CAP) CATALANO, LOUIS W. Clinical cancer research center-Virologic and immunologic studies of human brain tumors.
- P02CA-13696-02 0033 (CAP) KREMNZER, LEON, T. Clinical cancer research center-Polyamine metabolism in relation to CNS tumor growth and detection (human).
- P02CA-13696-02 0034 (CAP) ELLSWORTH, ROBERT M. Clinical cancer research center-Retinoblastoma (human).
- P02CA-13696-02 0035 (CAP) KITCHIN, FRANK D. Clinical cancer research center-Chromosome and cytologic studies in retinoblastoma (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P02CA-13696-02 0036 (CAP) ELLSWORTH, ROBERT M. Clinical cancer research center-Retinoblastoma-Chemotherapeutic research (human).

P02CA-13696-02 0037 (CAP) ELLSWORTH, ROBERT M. Clinical cancer research center-Malignant melanoma of the UVEA (human).

P02CA-13696-02 0038 (CAP) ELLSWORTH, ROBERT M. Clinical cancer research center-Angiomatous tumors (human).

P02CA-13696-02 0039 (CAP) JAKOBIC, FREDERICK A. Clinical cancer research center-Electron microscopy of orbital and adnexal tumors (human).

P02CA-13696-02 0040 (CAP) NELSON, CARL T. Clinical cancer research center-Basal cell carcinoma (human).

P02CA-13696-02 0041 (CAP) WOLFF, JAMES A. Clinical cancer research center-Leukemia and solid tumors in children (human, monkeys).

P02CA-13696-02 0042 (CAP) SEAMEN, WILLIAM B. Clinical cancer research center-Radiodiagnostic techniques-Angiotomography, arteriography, pancreatography (human).

P02CA-13696-02 0043 (CAP) CAMPBELL, WILLIAM L. Clinical cancer research center-Radiodiagnostic techniques-Reflex pancreatography (cats).

P02CA-13696-02 0044 (CAP) KING, DONALD L. Clinical cancer research center-Evaluation of cancer diagnosis by an ultrasonic imaging system (human).

P02CA-13696-02 0045 (CAP) CASARELLA, WILLIAM J. Clinical cancer research center-Arterial perfusion with vasoconstrictors in radiotherapy (human, dogs).

P02CA-13696-02 0046 (CAP) CHANG, CHU H. Clinical cancer research center-Fast neutrons in cancer radiotherapy (human).

P02CA-13696-02 0047 (CAP) KORNFIELD, DONALD S. Clinical cancer research center-Psychiatric liaison with surgery service (human).

P02CA-13696-02 0048 (CAP) KORNFIELD, DONALD S. Clinical cancer research center-Psychiatric liaison with radiotherapy department (human).

P02CA-13696-02 0049 (CAP) KORNFIELD, DONALD S. Clinical cancer research center-Psychiatric liaison with cancer research unit (human).

P02CA-13696-02 0050 (CAP) GILDER, RODMAN. Clinical cancer research center-Psychiatric study of children with terminal illness (human).

P02CA-13696-03 0051 (CAP) WHARTON, RALPHA N. Clinical cancer research center-Phenothiazine effects on pain and prolactin levels (human).

P02CA-13696-02 0052 (CAP) DEL BUENO, DORTHY J. Clinical cancer research center-Reactions of cancer patients to nursing intervention (human).

P02CA-13696-02 0053 (CAP) GILBERT, GAY F. Clinical cancer research center-Assigning nurses long-term responsibility for nervous neoplasms (human).

P02CA-13696-02 0054 (CAP) DEL BUENO, DORTHY J. Clinical cancer research center-Preparation of specialist in cancer nursing.

P02CA-13696-02 0055 (CAP) COLLARD, JEAN E. Clinical cancer research center-Planning total care of brain tumor patients (human).

P02CA-13696-02 0056 (CAP) KING, DONALD W. Clinical cancer research center-Central tumor tissue facility (human).

P02CA-13696-02 0057 (CAP) KING, MARY E. Clinical cancer research center-Organelle defects in cancer.

P02CA-13696-02 0058 (CAP) RICHART, RALPH M. Clinical cancer research center-Neoplasia-Related project in progress (human).

P02CA-13696-02 0059 (CAP) GODMAN, GABRIEL C. Clinical cancer research center-Use of clinical tumor material for viral study (human).

P02CA-13696-02 0060 (CAP) BRANWOOD, A WHITLEY. Clinical cancer research center-Response of host to tumor and to therapy (human).

P02CA-13696-03 0061 (CAP) PASCAL, ROBERT. Clinical cancer research center-Interferon-induced, immune-mediated oncolysis (human, mice, cats).

P02CA-13696-02 0062 (CAP) VOGEL, HENRY J. Clinical cancer research center-Methods in enzymology.

P02CA-13696-02 0063 (CAP) TANNENBAUM, MYRON. Clinical cancer research center-Immunologic monitoring of treatment impact-Tumor antigen (human).

P02CA-13696-02 0064 (CAP) FIERER, JOSHUA. Clinical cancer research center-Fluorescent antibody studies (human).

P02CA-13696-02 0065 (CAP) GOODMAN, REBA M. Clinical cancer research center-Chromosomes and carcinogenesis (rats).

P02CA-13696-02 0066 (CAP) KAY, GORDON I. Clinical cancer research center-Electron microscopy studies of normal and abnormal tissues (human).

P02CA-13696-02 0067 (CAP) KAUNITZ, HANS. Clinical cancer research center-Carcinogenicity of dietary fats (rats).

P02CA-13696-02 0068 (CAP) DUFFY, PHILLIP E. Clinical cancer research center-Polyamine metabolism in the nervous system (human).

P02CA-13696-02 0069 (CAP) SUSSER, MERVYN. Clinical cancer research center-Environment and cancer mortality in New York (human, animals).

P02CA-13696-02 0070 (CAP) SUSSER, MERVYN. Clinical cancer research center-Leukemia birth clusters (human).

P02CA-13696-02 0071 (CAP) PUTNEY, FREDERICK B. Clinical cancer research center-Computer-based case tracing and graphic presentation.

P02CA-13696-02 0072 (CAP) BAUMAN, WILLIAM A. Clinical cancer research center-Data processing and statistical services.

P01CA-13698-02 (SRC) DOBBIE, ROBERT P, UNIVERSITY OF TENNESSEE COLL M, ROOM 637D DOBBS, 951 COURT AVE, MEMPHIS, TENN. Cancer research and clinical exploratory grant (human).

R01CA-13700-02 (GMB) SCURRY, MURPHY T, UNIV OF TEXAS MEDICAL BRANCH, DEPT OF INTERNAL MED, GALVESTON, TEX. Parathyroid hormone and cancer (human).

R01CA-13701-02 (PHRB) MURPHY, WILLIAM H, UNIVERSITY OF MICHIGAN, 6706 MEDICAL SCIENCE II, ANN ARBOR, MICH. Mechanisms of immunity in leukemia (mice).

P01CA-13704-02 (SRC) O'BRIEN, PAUL H, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Exploratory studies for cancer research (human).

P01CA-13705-02 (SRC) JACKSON, JOHN F, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Exploratory studies for cancer research.

R01CA-13712-02 (PHRB) NAHAS, ALY, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Effect of asparaginase on sensitivity to other drugs (mice, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01CA-13713-02 (PHRB) GUTMANN, HELMUT R, VETERANS ADMINISTRATION HOSP, BLDG 31, CANCER RES LAB, MINNEAPOLIS, MINN. Transformation of cells in vitro (rats).

R01CA-13714-02 (ET) PLANIGAN, STEVENSON, UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM, LITTLE ROCK, ARK. Neurosurgical use of chemotherapeutic agents (dogs).

R01CA-13715-02 (ET) BRADLEY, STERLING G, VIRGINIA COMMONWEALTH UNIV, P O BOX 847, HSD STATION, RICHMOND, VA. Amelioration of enhanced toxicity of antitumor drugs (mice).

R01CA-13718-02 (PHRB) WEBB, THOMAS E, OHIO STATE UNIVERSITY, 5170 MED BASIC SCIS BLDG, COLUMBUS, OHIO. Aberrant gene expression during chemotherapy (rats, mice).

R01CA-13722-02 (VR) MOLDOW, CHARLES F, UNIVERSITY OF MINNESOTA, DEPT OF MEDICINE, MINNEAPOLIS, MINN. Cell surface receptors for oncogenic viruses.

P01CA-13741-02 (SRC) MC KHANN, CHARLES F, UNIVERSITY OF MINNESOTA HOSP, 412 UNION STREET S E, MINNEAPOLIS, MINN. Exploratory studies in cancer research.

R01CA-13745-02 (END) COFFEY, DONALD S, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Regulation of prostatic growth by androgens (human, rats).

R01CA-13746-02 (PTHB) DI LUZIO, NICHOLAS R, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Role recognition factors and macrophages in neoplasia (human, rats).

R01CA-13747-02 (RAD) BIAGLOW, JOHN E, CASE WESTERN RESERVE UNIV, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Modification of x-ray response of anoxic-hypoxic cells (hamster).

P01CA-13749-02 (SRC) BROWN, WILLIAM E, UNIVERSITY OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OKLA. Exploratory studies for cancer research (human).

P01CA-13750-02 (SRC) GLASGOW, LOWELL A, UNIVERSITY OF UTAH, DEAN'S OFFICE, SALT LAKE CITY, UTAH. Exploratory studies for cancer research (human).

R01CA-13752-02 (PHRB) RHEINS, MELVIN S, OHIO STATE UNIVERSITY, 484 W 12TH AVENUE, COLUMBUS, OHIO. Iodoacetate-Immunotherapy of lymphoid leukemia (mice).

R01CA-13759-02 (NTN) TRYPLATES, GEORGE P, WEST VIRGINIA UNIVERSITY, DEPT OF BIOCHEMISTRY, MORGANTOWN, W VA. Growth of Morris hepatomas in vitamin-B6 deficiency (rats).

R01CA-13763-02 (GMB) NEURATH, PETER W, TUFTS-NEW ENGLAND MED CENTER, 171 HARRISON AVENUE, BOSTON, MASS. Chromosomal variants of cells converted by viruses (human, hamsters).

R01CA-13768-03 (VR) LOH, PHILIP C, UNIVERSITY OF HAWAII, 2538 THE MALL, HONOLULU, HAWAII. Cytotoxic viruses in cancer diagnosis and therapy.

R01CA-13773-02 (HBM) HANDLER, EVELYN E, C U N Y-HUNTER COLLEGE, 695 PARK AVENUE, NEW YORK, N Y. Erythropoiesis in acute myelogenous leukemia (rats).

R01CA-13776-02 (PHRB) LOTSPEICH, FREDERICK J, WEST VIRGINIA UNIVERSITY, DEPT OF BIOCHEMISTRY, MORGANTOWN, W VA. S-adenosylmethionine analogs as antitumor agents (mice, rats).

R01CA-13777-02 (PHRB) WELSCH, CLIFFORD W, MICHIGAN STATE UNIVERSITY, DEPT OF ANATOMY, EAST LANSING, MICHIGAN. Potential of ergot alkaloids in control of breast cancer (mice, rats).

R01CA-13779-02 (RAD) DUCCOFF, HOWARD S, UNIVERSITY OF ILLINOIS, 524 BURRILL HALL, URBANA, ILL. Split-dose repair-Dividing vs post-mitotic cells (insects).

R01CA-13784-02 (BDC) WENNER, CHARLES E, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Effect of cocarcinogens on cellular membranes.

R01CA-13786-01 (MCHA) ROSAZZA, JOHN P, UNIVERSITY OF IOWA, COLLEGE OF PHARMACY, IOWA CITY, IOWA. Microbial transformations-Natural antitumor agents.

R01CA-13795-02 (VR) SMITH, KIRBY L, ST JUDE CHILDREN'S RES HOSP, 332 N LAUDERDALE PO BOX 318, MEMPHIS, TENN. Temperature-sensitive mutants of murine sarcoma virus (mice).

P01CA-13799-02 (SRC) MOORE, CONDUCT, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Exploratory studies for cancer research (human).

R01CA-13802-02 (MCHA) LERNER, LEON M, S U N Y-DOWNSTATE MEDICAL CENT, 450 CLARKSON AVE, BROOKLYN, N Y. Analogs of decoyinine as potential antitumor agents.

R01CA-13805-02 (RAD) ANDERSON, ROBERT E, UNIVERSITY OF NEW MEXICO, DEPT OF PATHOLOGY, ALBUQUERQUE, N MEX. Radiation injury in subpopulations on lymphocytes (mice).

R01CA-13806-02 (RAD) GHOSSEIN, NEMATALLAH, A, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N Y. Immunocompetence in radiation therapy patients.

R01CA-13808-02 (CBY) BRAUN, ARMIN C, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Transformation and recovery of crown gall tumor cells.

R10CA-13809-02 (CCI) RAHNIER, ROBERT L, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Children's cancer study group A.

R01CA-13811-02 (BDC) MANCUSO, THOMAS F, UNIVERSITY OF PITTSBURGH, 130 DESOTO STREET, PITTSBURGH, PA. Disability and mortality as measures of cancer (human).

R01CA-13814-02 (MBY) NASS, MARGIT M, UNIV OF PENNSYLVANIA SCH OF ME, 208 BIOLOGY SERVICE BLDG, PHILADELPHIA, PA. Mitochondrial genetic system in cancer cells (T5 viruses, chick embryo).

R01CA-13817-02 (MCHB) BEAR, JOHN L, UNIVERSITY OF HOUSTON, 3801 CULLEN BLVD, HOUSTON, TEX. Rhodium (II) complexes as potential anticancer agents (mice).

R01CA-13821-02 (GMB) WOLMAN, SANDRA R, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Carcinogen induced chromosome changes and transformation (rats).

R01CA-13822-02 (PTHB) PRIBNIKEL, JACOB K, UNIVERSITY OF KANSAS, DEPT OF PATHOLOGY & ONCOLOGY, KANSAS CITY, KANS. Effects of cancer and therapy on infection and immunity (hamsters, mice, rabbits).

R01CA-13827-02 (RAD) BYFIELD, JOHN E, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON, TORRANCE, CALIF. Immunity in cure by X-ray therapy of cervical cancer (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01CA-13832-02 (PHRB) MC CULLOUGH, JERRY L, UNIVERSITY OF MIAMI SCH OF MED, 1600 N W 10TH AVENUE, MIAMI, FLA. Enzymatic prediction of response to anticancer drugs (human).	P02CA-13943-02 0009 (CAP) CHU, MING-YU. Clinical pharmacology immunology cancer research center-Predictive tests in culture of human leukemic cells.
R01CA-13835-02 (PTMB) GODMAN, GABRIEL C, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Cell injury by actinomycin and related carcinocides (human).	P02CA-13943-02 0010 (CAP) CHU, MING-YU. Clinical pharmacology immunology cancer research center-Combination chemotherapy.
R01CA-13840-02 (BIO) BLAKLEY, RAYMOND L, UNIVERSITY OF IOWA, DEPT OF BIOCHEMISTRY, IOWA CITY, IOWA. Structural studies on dihydrofolate reductase (bacteria, cattle).	P02CA-13943-02 0011 (CAP) LEE SE YONG. Clinical pharmacology immunology cancer research center-Inhibition of RNA and protein synthesis.
R01CA-13844-02 (IMB) BYSTRYN, JEAN-CLAUDE, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Isolation of tumor antigens of human melanoma.	P02CA-13943-02 0012 (CAP) DOOLITTLE, CHARLES H. Clinical pharmacology immunology cancer research center-Animal tumor studies and toxicology (mice, rats).
R01CA-13845-02 (MAY) PARSONS, DONALD F, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Replication of wet cancer cell surfaces.	P02CA-13943-02 0013 (CAP) SCHOLAR, ERIC M. Clinical pharmacology immunology cancer research center-Purine metabolism in human and animal tumor cells.
R01CA-13849-02 (RAD) MARUYAMA, YOSH, UNIVERSITY OF KENTUCKY, 800 ROSE STREET, LEXINGTON, KY. Tumor radiobiology, experimental oncology therapeutic research (mice).	P02CA-13943-02 0014 (CAP) SCHOLAR, ERIC M. Clinical pharmacology immunology cancer research center-Nucleotide patterns in animal tumor cells and human leukemic cells.
R01CA-13851-02 (VR) PERIMAN, PHILIP O, GEORGE WASHINGTON UNIVERSITY, 2150 PENNSYLVANIA AVE, N W, WASHINGTON, D C. Hybrid cell studies of malignancy (mice, rabbits).	P02CA-13943-02 0015 (CAP) SCHOLAR, ERIC M. Clinical pharmacology immunology cancer research center-Methylmercapto and methylselenopurine analogues on purine metabolism (mammals).
R01CA-13858-02 (MCHA) HORWITZ, JEROME P, DETROIT INST OF CANCER RES, 4811 JOHN R STREET, DETROIT, MICH. Polynucleotide termination by modified nucleosides (human, bacteria).	P02CA-13943-02 0016 (CAP) CHA, SUNGMAN. Clinical pharmacology immunology cancer research center-Enzymic determination of serum folate.
R26CA-13859-03 (BP) FRIEDELL, GILBERT H, ST VINCENT HOSPITAL, 25 WINTHROP ST, WORCESTER, MASS. Administration of the National Bladder Cancer Project.	P02CA-13943-02 0017 (CAP) CHA, SUNGMAN. Clinical pharmacology immunology cancer research center-Study of folate-binding protein(s) in milk.
R01CA-13861-02 (PTMB) GREENBAUM, LOWELL M, COLUMBIA UNIVERSITY, 630 W 168TH STREET, NEW YORK, N Y. Chemical mediators of tumor cell ascites fluid (mice, human).	P02CA-13943-02 0018 (CAP) MUECH, RALPH P. Clinical pharmacology immunology cancer research center-Prediction of clinical toxicity due to chemotherapy (rats, human).
R01CA-13862-02 (MAB) STRONG, LEONELL C, LEONELL C STRONG RES FDN, INC, 10457, SUITE 1, ROSELLE STREET, SAN DIEGO, CALIF. Genetic studies on cancer control (mice).	P02CA-13943-02 0019 (CAP) LEDUC, ELIZABETH H. Clinical pharmacology immunology cancer research center-Biology of preneoplastic livers and liver tumors (mice).
R01CA-13865-02 (VR) MOLL, TORBJORN, WASHINGTON STATE UNIVERSITY, DEPT OF VETERINARY MICROBIOL, PULLMAN, WASHINGTON. Immune mechanisms in tumor protection (chickens).	P02CA-13943-02 0020 (CAP) HEPPNER, GLORIA H. Clinical pharmacology immunology cancer research center-Detection of immune responses to tumor cell antigens of solid tumors.
R01CA-13881-02 (RAD) CLIFTON, KELLY H, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Radiation in vitro-Mammary cell survival-Neoplasia (rats).	P02CA-13943-02 0021 (CAP) HEPPNER, GLORIA H. Clinical pharmacology immunology cancer research center-Specific host defenses in human patients against solid tumor antigens.
R01CA-13883-02 (VR) CHAMPOUX, JAMES J, UNIVERSITY OF WASHINGTON, DEPT OF MICROBIOLOGY RD-85, SEATTLE, WASH. Replication of polyoma tumor-virus DNA.	P02CA-13943-02 0022 (CAP) CALABRESI, PAUL. Clinical pharmacology immunology cancer research center-Circulating tumor antigen in human cancer patients.
R01CA-13884-02 (VR) ECKHART, WALTER, SALK INST FOR BIOLOG STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Viral gene functions and regulation of cell growth.	P02CA-13943-02 0023 (CAP) HEPPNER, GLORIA H. Clinical pharmacology immunology cancer research center-Effect of blocking immune factors on antitumor immunity to mouse mammary cancer.
R01CA-13885-01 (VR) ESSEX, MYRON E, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Feline oncornaviruses-associated cell membrane antigen.	P02CA-13943-02 0024 (CAP) HEPPNER, GLORIA H. Clinical pharmacology immunology cancer research center-Effect of soluble antigen on antitumor immunity to mouse mammary cancer.
R10CA-13887-02 (CCI) DRUKKER, BRUCE H, HENRY FORD HOSPITAL, 2799 WEST GRAND BLVD, DETROIT, MICH. Gynecologic oncology group.	P02CA-13943-02 0025 (CAP) GRISWOLD, DON E. Clinical pharmacology immunology cancer research center-Assay procedure for measuring immune response in balanced immune reactions (mice).
R01CA-13893-02 (EDC) VIANNA, NICHOLAS J, NEW YORK STATE DEPT OF HEALTH, 84 HOLLAND AVENUE, ALBANY, N Y. Lymphoproliferative disorders in New York State (human).	P02CA-13943-02 0026 (CAP) KOPP, LOWELL E. Clinical pharmacology immunology cancer research center-Regulation of immune response by cyclic AMP and analogs.
R01CA-13897-02 (ET) WILKINSON, HAROLD A, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Brain tumor chemotherapy with semipermeable membranes (dogs).	P02CA-13943-02 0027 (CAP) KOPP, LOWELL E. Clinical pharmacology immunology cancer research center-Mechanism of action of endotoxin in immune response (human).
R01CA-13899-02 (RAD) GILLETTE, EDWARD L, COLORADO STATE UNIVERSITY, DEPT OF RADIOLOGY, FORT COLLINS, COLO. Radiation repair of normal mammalian tissues (dogs).	P02CA-13943-02 0028 (CAP) CUMMINGS, FRANCIS JOSEPH. Clinical pharmacology immunology cancer research center-Immune responses to tumor cell antigens of leukemia and lymphoma (human).
R01CA-13907-02 (END) BLDERS, MINNIE J, UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM STREET, LITTLE ROCK, ARK. Growth hormone and sulfation in acute leukemia (children, rats).	P02CA-13943-02 0029 (CAP) CUMMINGS, FRANCIS JOSEPH. Clinical pharmacology immunology cancer research center-Bone marrow transplantation.
R01CA-13908-02 (END) SAXENA, BRIJ B, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Gonadotropin-receptors in normal and neoplastic ovaries (human, cows, rats).	P02CA-13943-02 0080 (CAP) KAPLAN, STEPHEN R. Clinical pharmacology immunology cancer research center-Measurement of complement in cancer.
R01CA-13911-02 (MCHA) REIST, ELMER J, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Synthesis of CNS antitumor agents.	P02CA-13943-02 0031 (CAP) GRISWOLD, DON E. Clinical pharmacology immunology cancer research center-Macrophage activity in cancer (mammals).
R01CA-13914-02 (PHRB) SEIDMAN, IRVING, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Chemical carcinogenesis of the mammary gland (rats).	P02CA-13943-02 0032 (CAP) KAPLAN, STEPHEN, R. Clinical pharmacology immunology cancer research center-Inflammation and cancer (human, mice).
R01CA-13915-02 (PHRB) PARSIA, ISMAIL, STATE UNIVERSITY OF NEW YORK, 450 CLARISON AVENUE, BROOKLYN, N Y. Liver cell differentiation and carcinogenesis (rats).	P02CA-13943-02 0083 (CAP) HEPPNER, GLORIA H. Clinical pharmacology immunology cancer research center-Effect of mammary tumor virus (MTV) infection on immunocompetence (mice).
R01CA-13940-02 (VR) MC BRIDE, RAYMOND A, NEW YORK MEDICAL COLLEGE, BASIC SCIENCE BUILDING, VALHALLA, N Y. Immunogenetic study of a herpesvirus induced lymphoma (chickens, turkeys).	P02CA-13943-02 0034 (CAP) HEPPNER, GLORIA H. Clinical pharmacology immunology cancer research center-Effect of mammary tumor virus on spleen to phytohemagglutinin (mice).
P02CA-13943-02 (CAP) CALABRESI, PAUL, ROGER WILLIAMS GENERAL HOSP, 825 CHALKSTONE AVE, PROVIDENCE, RI. Clinical pharmacology immunology cancer research center.	P02CA-13943-02 0035 (CAP) CALABRESI, PAUL. Clinical pharmacology immunology cancer research center-Rational drug combinations.
P02CA-13943-02 0001 (CAP) CHU, SHIH-HSI. Clinical pharmacology immunology cancer research center-Synthesis of 5'-substituted purine ribosides.	P02CA-13943-02 0036 (CAP) DOOLITTLE, CHARLES H. Clinical pharmacology immunology cancer research center-Combination chemotherapy with extracorporeal L-asparaginase (human, mice).
P02CA-13943-02 0002 (CAP) CHU, SHIH-HSI. Clinical pharmacology immunology cancer research center-Synthesis of ARA-6-seleno purine and derivatives.	P02CA-13943-02 0037 (CAP) DOOLITTLE, CHARLES H. Clinical pharmacology immunology cancer research center-Drug metabolism in combination chemotherapy (human).
P02CA-13943-02 0003 (CAP) CHU, SHIH-HSI. Clinical pharmacology immunology cancer research center-Synthesis of 2- and 4-seleno uridylic acid.	P02CA-13943-02 0038 (CAP) DOOLITTLE, CHARLES H. Clinical pharmacology immunology cancer research center-Clinical studies with extracorporeal chemical reactor (human).
P02CA-13943-02 0004 (CAP) CHU, SHIH-HSI. Clinical pharmacology immunology cancer research center-Nitrogen mustard analog of cytosine.	P02CA-13943-02 0039 (CAP) DOOLITTLE, CHARLES H. Clinical pharmacology immunology cancer research center-Azaraibine metabolism and CRS toxicity in man.
P02CA-13943-02 0005 (CAP) CHU SHIH HSI. Clinical pharmacology immunology cancer research center-Preparing 75 SE-labeled selenium compounds.	P02CA-13943-02 0040 (CAP) PALMER, KEITH H. Clinical pharmacology immunology cancer research center-Drug biotransformation and disposition (human, mammals).
P02CA-13943-02 0006 (CAP) TURCOTTE, JOSEPH G. Clinical pharmacology immunology cancer research center-Synthesis of potential CNS antitumor agents.	P02CA-13943-02 0041 (CAP) CUMMINGS, FRANCIS JOSEPH. Clinical pharmacology immunology cancer research center-Measurement of immune responses to tumors in cancer patients.
P02CA-13943-02 0007 (CAP) YOUNGKEN, HERBER, W. Clinical pharmacology immunology cancer research center-Antitumor agents from marine organisms and algae.	P02CA-13943-02 0042 (CAP) CUMMINGS, FRANCIS JOSEPH. Clinical pharmacology immunology cancer research center-Control of immune responses to tumors in cancer patients.
P02CA-13943-02 0008 (CAP) CHU, MING-YU. Clinical pharmacology immunology cancer research center-Cell culture studies of synthetics and natural products.	P02CA-13943-02 0043 (CAP) CALABRESI, PAUL. Clinical pharmacology immunology cancer research center-Immunological detection of cancer.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P02CA-13943-02 0044 (CAP) KAPLAN, STEPHEN R.** Clinical pharmacology immunology cancer research center—Nonspecific defense responses in cancer patients.
- P02CA-13943-02 0045 (CAP) CUMMINGS, FRANCIS JOSEPH.** Clinical pharmacology immunology cancer research center—Human bone marrow transplantation.
- P02CA-13943-02 0046 (CAP) CUMMINGS, FRANCIS JOSEPH.** Clinical pharmacology immunology cancer research center—Detection of graft-versus-host disease.
- P02CA-13943-02 0047 (CAP) CALABRESI, PAUL.** Clinical pharmacology immunology cancer research center—Alteration of graft-versus-host disease (human, mammals).
- P02CA-13943-02 0048 (CAP) CALABRESI, PAUL.** Clinical pharmacology immunology cancer research center—Solid tumors (human, mice).
- P02CA-13943-02 0049 (CAP) CALABRESI, PAUL.** Clinical pharmacology immunology cancer research center—Solid tumors (mice).
- P02CA-13943-02 0050 (CAP) McDONALD, CHARLES.** Clinical pharmacology immunology cancer research center—Dermatology.
- P02CA-13943-02 0051 (CAP) TUCCI, JOSEPH R.** Clinical pharmacology immunology cancer research center—Endocrinology—Endocrine function in cancer patients.
- P02CA-13943-02 0052 (CAP) KOPP, LOWELL E.** Clinical pharmacology immunology cancer research center—Endocrinology cyclic AMP.
- P02CA-13943-02 0053 (CAP) KOPP, LOWELL E.** Clinical pharmacology immunology cancer research center—Endocrinology—Adenyl cyclase in neoplastic tissue (human, mammals).
- P02CA-13943-02 0054 (CAP) KOPP, LOWELL E.** Clinical pharmacology immunology cancer research center—Endocrinology—Phosphodiesterase isozymes in neoplastic tissue (human, mammals).
- P02CA-13943-02 0055 (CAP) HOOVIS, MARVIN L.** Clinical pharmacology immunology cancer research center—Leukemia-lymphoma research project (human).
- P02CA-13943-02 0056 (CAP) CALABRESI, PAUL.** Clinical pharmacology immunology cancer research center—Purine metabolism in human and animal tumor cells.
- P02CA-13943-02 0057 (CAP) CALABRESI, PAUL.** Clinical pharmacology immunology cancer research center—Nucleotide patterns in animal cells and human leukemic cells.
- P02CA-13943-02 0058 (CAP) ZINNER, STEPHEN H.** Clinical pharmacology immunology cancer research center—Evaluation of neutrophil phagocytic function in patients.
- P02CA-13943-02 0059 (CAP) CUMMINGS, FRANCIS JOSEPH.** Clinical pharmacology immunology cancer research center—Enhancement of granulocyte procurement with pyrexal.
- P02CA-13943-02 0060 (CAP) ZINNER, STEPHEN H.** Clinical pharmacology immunology cancer research center—Chemotherapy of infections (human).
- P02CA-13943-02 0061 (CAP) BLACKMAN, ALDEN HIRSH.** Clinical pharmacology immunology cancer research center—Clinical evaluation of patients with CEA antigen without disease.
- P02CA-13943-02 0062 (CAP) BLACKMAN, ALDEN HIRSH.** Clinical pharmacology immunology cancer research center—Mass screening of patients at high risk for carcinoma of stomach.
- P02CA-13943-02 0063 (CAP) HOOVIS, MARVIN L.** Clinical pharmacology immunology cancer research center—Chemotherapy of lung carcinoma (human).
- P02CA-13943-02 0064 (CAP) DURIE, ROBERT.** Clinical pharmacology immunology cancer research center—Pulmonary function tests in patients treated with bleomycin.
- P02CA-13943-02 0065 (CAP) DURIE, ROBERT.** Clinical pharmacology immunology cancer research center—Cellular immunity in bronchogenic carcinoma (human).
- P02CA-13943-02 0066 (CAP) KAPLAN, STEPHEN R.** Clinical pharmacology immunology cancer research center—Clinical gynecology program.
- P02CA-13943-02 0067 (CAP) KAPLAN, STEPHEN R.** Clinical pharmacology immunology cancer research center—Immunologic detection and assessment in patients with gynecologic malignancies.
- P02CA-13943-02 0068 (CAP) KLUTZ, WILLIAM S.** Clinical pharmacology immunology cancer research center—Relation of tryptophan metabolite excretion to bladder tumor (human).
- P02CA-13943-02 0069 (CAP) KLUTZ, WILLIAM S.** Clinical pharmacology immunology cancer research center—Response genito-urinary tumors (human, hamsters, rats).
- P02CA-13943-02 0070 (CAP) HOOVIS, MARVIN L.** Clinical pharmacology immunology cancer research center—Chemotherapy of metastatic breast cancer (human).
- P02CA-13943-02 0071 (CAP) CUMMINGS, FRANCIS JOSEPH.** Clinical pharmacology immunology cancer research center—Detection of immune responses to breast tumor antigens (human).
- P02CA-13943-02 0072 (CAP) CUMMINGS, FRANCIS JOSEPH.** Clinical pharmacology immunology cancer research center—Virus particles in breast cancer patients.
- P02CA-13943-02 0074 (CAP) CALABRESI, PAUL.** Clinical pharmacology immunology cancer research center—Collaborative clinical trials.
- R01CA-13953-02 (GEN) HUANG, RU-CHIH C.,** JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Control of myeloma tumor growth (mice).
- R01CA-13955-02 (HBM) LUNER, STEPHEN J.,** UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Antigen and surface charge properties of blood cells (human).
- R01CA-13963-02 (MCHA) MARTIN, JAMES C.,** UNIVERSITY OF ILLINOIS, 245 EAST CHEMISTRY BUILDING, URBANA, ILL. Synthetic and physical studies of anticancer agents.
- R01CA-13964-02 (MCHA) BAUER, LUDWIG,** UNIVERSITY OF ILLINOIS, POST OFFICE BOX 6998, CHICAGO, ILL. Tetrahydropyridines in cancer chemotherapy.
- R01CA-13963-02 (MCHB) VERKADE, JOHN G.,** IOWA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, AMES, IOWA. Electrosteroid properties of cyclic carcinostats.
- R01CA-13971-02 (PC) RIGGSBY, WILLIAM S.,** UNIVERSITY OF TENNESSEE, DEPARTMENT OF MICROBIOLOGY, KNOXVILLE, TENN. Informational RNA in plasma cell neoplasms (myelomas, human, mice).
- R01CA-13978-02 (VR) POLK, WILLIAM R.,** UNIVERSITY OF MICHIGAN, DEPT OF BIOLOGICAL CHEMISTRY, ANN ARBOR, MICH. Mammalian cell transformation by oncogenic viruses.
- R01CA-13980-02 (BIO) DEUEL, THOMAS F.,** UNIV OF CHICAGO HOSPITAL, 950 EAST 59TH STREET, CHICAGO, ILL. Enzyme regulation in normal and neoplastic cells (rats).
- R01CA-13986-01 (IMB) PECK, RICHARD M.,** INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Immunologic prevention of chemically-induced cancer (rats).
- R01CA-13992-02 (MBY) WARREN, LEONARD,** UNIVERSITY OF PENNSYLVANIA, 3800 HAMILTON WALK, PHILADELPHIA, PA. Surface membranes of normal and cancer cells.
- R01CA-13992-02 0001 (MBY) WARREN, LEONARD.** Surface membranes of normal and cancer cells—Sialyl transferase in virus-transformed cells (hamsters, ducks).
- R01CA-13992-02 0002 (MBY) FUHRER, PETER.** Surface membranes of normal and cancer cells—Distribution of the fucose-sialyl glycoprotein within the cell.
- R01CA-13992-02 0003 (MBY) WARREN, LEONARD.** Surface membranes of normal and cancer cells—Presence of the fucose-sialyl glycoprotein in various types of cells (human).
- R01CA-13992-02 0004 (MBY) WARREN, LEONARD.** Surface membranes of normal and cancer cells—When and where is the fucose-sialyl glycoprotein made.
- R01CA-13992-02 0005 (MBY) WARREN, LEONARD.** Surface membranes of normal and cancer cells—Purification of large early-eluting component.
- R01CA-13992-02 0006 (MBY) WARREN, LEONARD.** Surface membranes of normal and cancer cells—Disc gel electrophoresis.
- R01CA-13992-02 0007 (MBY) JAIN, RAM,** RAM. Surface membranes of normal and cancer cells—Glycosidases (C. perfringens, coffee beans).
- R01CA-13992-02 0008 (MBY) WARREN, LEONARD.** Surface membranes of normal and cancer cells—Sialic acid from glycolipids (L cells).
- R01CA-13992-02 0009 (MBY) VICKER, MICHAEL C.** Surface membranes of normal and cancer cells—Phagocytosis (L cells).
- R01CA-13992-02 0010 (MBY) WARREN, LEONARD.** Surface membranes of normal and cancer cells—Marine biology (dogfish, sea urchins).
- R01CA-13996-02 (MCHB) SMISSMAN, EDWARD E.,** UNIVERSITY OF KANSAS, 523 MALOTT HALL, LAWRENCE, KANS 66044. Podophyllum components and analogs-antimitotics.
- R01CA-14003-02 (PTHB) JENKIN, HOWARD M.,** HORMEL INSTITUTE, 801 16TH AVE N E, AUSTIN, MINN. Lipid control of growth of normal and tumorigenic cells (mice, human).
- R01CA-14005-02 (RAD) SUTHERLAND, BETSY M.,** UNIVERSITY OF CALIFORNIA, DEPT MOLECULAR BIOL/BIOCHEMIST, IRVINE, CALIF. The photoreactivating enzyme in repair of DNA (E coli).
- R01CA-14011-02 (GEN) HUANG, CHESTER C.,** ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Cell lines from persons with high risk of cancer.
- R01CA-14014-02 (MCHA) KELLY, T ROSS,** BOSTON COLLEGE, DEPARTMENT OF CHEMISTRY, CHESTNUT HILL, MASS. Synthesis of antitumor agent harringtonine.
- R01CA-14017-02 (PHRB) DEAL, WILLIAM C., JR.,** MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Cancer and the control of glycolysis (rats, mice).
- R01CA-14019-02 (PTHB) FOLKMAN, MOSES J.,** CHILDREN'S HOSPITAL, 300 LONGWOOD AVE, BOSTON, MASS. Antiangiogenesis—New method of therapy of solid tumors.
- R01CA-14021-01 (PTHB) KAUFMAN, RAYMOND H.,** BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Immunological parameters in cervical carcinoma (teenagers, adults).
- R01CA-14025-02 (REB) VANDERLAAN, WILLARD P.,** SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Role of GH and prolactin in mammary carcinogenesis (mice).
- R01CA-14026-02 (VR) GOODMAN, HOWARD M.,** UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYS, SAN FRANCISCO, CALIF. Structure and function of tumor virus DNA SV40.
- R10CA-14028-01 (CCI) VAITKEVICIUS, VAINUTIS K.,** WAYNE STATE UNIVERSITY, 540 EAST CANFIELD, DETROIT, MICH. Southwest Cancer Chemotherapy Study Group.
- R01CA-14030-02 (BIO) RUDOLPH, FREDERICK B.,** RICE UNIVERSITY, DEPT OF BIOCHEMISTRY, HOUSTON, TEX. Regulation of metabolism by purine interconversions (rats, mice).
- R01CA-14031-02 (EDC) LILJENFELD, ABRAHAM M.,** JOHNS HOPKINS SCH OF HYGIENE, 615 NORTH WOLFE STREET, BALTIMORE, MD. Breast cancer and prior use of hormones (human).
- R01CA-14036-02 (IMB) CHAI, CHEN K.,** JACKSON LABORATORY, BAR HARBOR, MAINE. Lymphopoiesis, reticulum cell hyperplasia, and genes.
- R01CA-14037-01 (MBY) GLICK, MARY C.,** CHILDREN'S HOSPITAL, 1740 BAMBRIDGE STREET, PHILADELPHIA, PA. Membrane structure related to oncogenesis and cell division (cell lines).
- R01CA-14040-01 (SOYB) REICHLER, FREDERICK A.,** TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA. Influence of portacaval shunt on tumor growth (rats).
- P01CA-14043-01 (CAP) BRADY, LUTHER W.,** HAHNEMANN MED COLL & HOSPITAL, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Radiation therapy clinical and research center.
- P01CA-14043-01 0001 (CAP) LIGHTFOOT, DAVID A.** Radiation therapy clinical and research center—Documentation of radiation therapy computer programs.
- P01CA-14043-01 0002 (CAP) STANTON, LEONARD.** Radiation therapy clinical and research center—Clinical applications of electron radiography.
- P01CA-14043-01 0003 (CAP) DAY, JOHN.** Radiation therapy clinical and research center—Experimental check of Paterson-Parker rules.
- P01CA-14043-01 0004 (CAP) HEINDEL, NED D.** Radiation therapy clinical and research center—Radio-pharmaceuticals for tumor and organ visualization.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
PO1CA-14043-01 0005 (CAP) CHECK, JEROME H. Radiation therapy clinical and research center—Effect of BCG and radiation on Hodgkin's-like sarcoma (mice).	PO1CA-14089-01 0016 (CAP) SCHECHTER, JOEL E. Pilot multidisciplinary cancer research program—Ultrastructural histochemistry of pituitary tumors (human).
PO1CA-14043-01 0006 (CAP) CHECK, JEROME H. Radiation therapy clinical and research center—Immunology of primary murine tumors.	PO1CA-14089-01 0030 (CAP) HARRIS, PHILIP A. Pilot multidisciplinary cancer research program—Pharmacokinetics of antineoplastic agents (mammals).
PO1CA-14043-01 0007 (CAP) CHECK, JEROME H. Radiation therapy clinical and research center—Breast cancer antigens and antibodies in human sera.	PO1CA-14089-01 0023 (CAP) WOLF, WALTER. Pilot multidisciplinary cancer research program—Optimization of cancer chemotherapy using radiopharmaceutical (mammals).
PO1CA-14043-01 0008 (CAP) CHECK, JEROME H. Radiation therapy clinical and research center—Anergy secondary to mediastinal radiation.	PO1CA-14089-01 0024 (CAP) KHARASCH, NORMAN. Pilot multidisciplinary cancer research program—New prostaglandin analogs.
PO1CA-14043-01 0009 (CAP) ASBELL, SUCHA O. Radiation therapy clinical and research center—Effect of radiation on carcinoembryonic antigen titer (human).	PO1CA-14089-01 0023 (CAP) LIEN, ERIC J. Pilot multidisciplinary cancer research program—Cyclic hydroxyureas as potential antitumor agents.
PO1CA-14043-01 0010 (CAP) DAMSKER, JEFFREY I. Radiation therapy clinical and research center—Chlorpromazine and analogs in malignant melanoma.	PO1CA-14089-01 0027 (CAP) LUKES, ROBERT J. Pilot multidisciplinary cancer research program—Lymphoma-leukemia program.
PO1CA-14043-01 0011 (CAP) PRASASVINICHAI, SRIPRAYOON. Radiation therapy clinical and research center—Alternative lymphatic drainage of pharynx and larynx.	PO1CA-14089-01 0003 (CAP) IRWIN, LOWELL R. Pilot multidisciplinary cancer research program—Laminar flow isolation in acute leukemia.
PO1CA-14043-01 0012 (CAP) SCHATANOFF, DAVID. Radiation therapy clinical and research center—Tumor model for evaluating dose-time relationships.	PO1CA-14089-01 0030 (CAP) KARON, MYRON. Pilot multidisciplinary cancer research program—Pediatric oncology support services.
PO1CA-14043-01 0013 (CAP) TORPNE, RICHARD J. Radiation therapy clinical and research center—Thanatology research in radiation therapy.	PO1CA-14089-01 0042 (CAP) KARON, MYRON. Pilot multidisciplinary cancer research program—Clinical and molecular pharmacology.
RO1CA-14045-02 (RM) HIBBS, JOHN B., JR., UNIVERSITY OF UTAH, DIV OF INFECTIOUS DISEASES, SALT LAKE CITY, UTAH. Role of macrophage in resistance to cancer (human, mice, bacteria).	PO1CA-14089-01 0043 (CAP) TOWNSEND, DUANE E. Pilot multidisciplinary cancer research program—Gynecologic oncology program.
RO1CA-14047-02 (PC) BOREK, ERNEST, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Methylations in tumors (rabbits, chickens, anurans, bacteria).	PO1CA-14089-01 0049 (CAP) GEORGE, FREDERICK W 111. Pilot multidisciplinary cancer research program—Program support in radiation oncology.
RO1CA-14049-02 (ALY) AMOS, D BERNARD, DUKE MEDICAL CENTER, BOX 3010, DURHAM, N C. Cell-mediated immunity to ascites tumors (mice).	PO1CA-14089-01 0050 (CAP) GEORGE, FREDERICK W 111. Pilot multidisciplinary cancer research program—Clinical investigation of selected tumor systems.
PO1CA-14051-02 (CAP) LURIA, SALVADOR E., MASSACHUSETTS INST OF TECH, DEPARTMENT OF BIOLOGY, CAMBRIDGE, MASS. Center for cancer biology at MIT.	PO1CA-14089-01 0052 (CAP) GEORGE, FREDERICK W 111. Pilot multidisciplinary cancer research program—Basic research projects—radiation oncology.
PO1CA-14051-02 0001 (CAP) LURIA, SALVADOR E. Center for cancer biology at MIT—Cancer virology (monkeys).	PO1CA-14089-01 0053 (CAP) GEORGE, FREDERICK W 111. Pilot multidisciplinary cancer research program—Cooperative regional radiotherapy network research.
PO1CA-14051-02 0002 (CAP) LURIA, SALVADOR E. Center for cancer biology at MIT—Cellular biology of cancer (animals).	PO1CA-14089-01 0054 (CAP) GEORGE, FREDERICK W 111. Pilot multidisciplinary cancer research program—Educational research project.
PO1CA-14051-02 0008 (CAP) LURIA, SALVADOR E. Center for cancer biology at MIT—Tumor immunology (mice).	PO1CA-14089-01 0055 (CAP) HAYMOND, HERMAN R. Pilot multidisciplinary cancer research program—Abnormal human blood factors following radiotherapy.
PO1CA-14052-02 (CAP) KLIGERMAN, MORTON M, UNIVERSITY OF NEW MEXICO, CANCER RES & TREATMENT CTR, ALBUQUERQUE, N MEX. Pion beam diagnostics control, dosimetry, and operation (human, mammals).	PO1CA-14089-01 0056 (CAP) ALADJEM, FREDERICK. Pilot multidisciplinary cancer research program—Effect of x-irradiation on tissue proteins.
RO1CA-14054-02 (GEN) KLEIN, GEORGE, KAROLINSKA INSTITUTET, DEPT OF TUMOR BIOLOGY, S104 01 STOCKHOLM. Malignant behavior and cellular antigen expression (mice, human).	PO1CA-14089-01 0057 (CAP) STEPHENS, SIDNEY O. Pilot multidisciplinary cancer research program—Lymphocyte sensitization to irradiated tissues (human, laboratory animals).
R10CA-14058-01 (CCI) JOHNSON, RICHARD J, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Radiation Therapy Oncology Group.	PO1CA-14089-01 0059 (CAP) SIMSEN, JAN K. Pilot multidisciplinary cancer research program—Scintigraphic differentiation of focal hepatic lesions.
R10CA-14060-02 (CCI) CHANG, CHU H, COLUMBIA-PRESBYTERIAN MED CTR, 622 WEST 168TH STREET, NEW YORK, N Y. Radiation therapy oncology group.	PO1CA-14089-01 0060 (CAP) WAXMAN, ALAN D. Pilot multidisciplinary cancer research program—Regional blood flow in hepatic lesions (human).
RO1CA-14061-02 (MAB) GILMOUR, DOUGLAS G, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Chicken lymphocyte alloantigens and viral oncogenesis.	PO1CA-14089-01 0061 (CAP) SIMSEN, JAN K. Pilot multidisciplinary cancer research program—In-vivo radiation tolerance of human liver.
RO1CA-14078-02 (PHRB) ZAKRZEWSKI, SIGMUND F, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Development of new anticancer agents (mice, rats).	PO1CA-14089-01 0062 (CAP) HALL, THOMAS C. Pilot multidisciplinary cancer research program—Advanced therapeutics.
RO1CA-14084-02 (RT) PIALA, SILVIO E, VETERANS ADMINISTRATION CENTER, MARTINSBURG, W VA. Role of carcinogen in nucleic acid metabolism (rats).	PO1CA-14089-01 0063 (CAP) HAMMOND, DENMAN. Pilot multidisciplinary cancer research program—Publications, photography, and graphics.
RO1CA-14087-03 (PTHB) SALMON, SYDNEY E, UNIV OF ARIZONA COLLEGE OF MED, DEPARTMENT OF MEDICINE, TUCSON, ARIZ. Tumor antigens and adoptive immunotherapy (human).	PO1CA-14089-01 0064 (CAP) WOLF, WALTER. Pilot multidisciplinary cancer research program—Radiopharmaceutical and radiochemical support.
RO1CA-14088-02 (SSS) AROESTY, JEROME, RAND CORPORATION, 1700 MAIN STREET, SANTA MONICA, CALIF. Decision-aiding methodology for leukemia chemotherapy.	PO1CA-14093-02 (SRC) KREIVANS, JULIUS R, UNIVERSITY OF CALIFORNIA, THIRD AND PARNASSUS, SAN FRANCISCO, CALIF. Exploratory studies in cancer research.
RO1CA-14088-02 0001 (SSS) AROESTY, JEROME. Decision-aiding methodology for leukemia chemotherapy—Leukemia/therapy simulator (human).	PO1CA-14094-02 (SRC) RACE, GEORGE J, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Exploratory studies for cancer research (human).
RO1CA-14088-02 0002 (SSS) AROESTY, JEROME. Decision-aiding methodology for leukemia chemotherapy—Toxicity modifier (human).	PO1CA-14095-02 (SRC) BRODSKY, ISADORE, HAHNEMANN MEDICAL COLLEGE, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Exploratory studies for cancer research (human).
RO1CA-14088-02 0003 (SSS) AROESTY, JEROME. Decision-aiding methodology for leukemia chemotherapy—Morbidity/mortality predictor (human).	PO1CA-14097-02 (CAP) SCHACHMAN, HOWARD K, UNIVERSITY OF CALIFORNIA, VIRUS LABORATORY, BERKELEY, CALIF. Cancer research program—Viruses; control mechanisms.
RO1CA-14088-02 0004 (SSS) AROESTY, JEROME. Decision-aiding methodology for leukemia chemotherapy—Value calculator (human).	PO1CA-14097-02 0001 (CAP) SCHACHMAN, HOWARD K. Cancer research program—Viruses; control mechanisms—Structure, function and interactions of biological macromolecules.
RO1CA-14084-02 0005 (SSS) AROESTY, JEROME. Decision-aiding methodology for leukemia chemotherapy—Explorer/optimizer (human).	PO1CA-14097-02 0002 (CAP) PRAENKEL-CONRAT, HEBNZ. Cancer research program—Viruses; control mechanisms—Structure and function of small RNA-containing viruses.
PO1CA-14089-01 (CAP) HAMMOND, G DENMAN, UNIVERSITY OF SOUTHERN CALIF, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Pilot multidisciplinary cancer research program.	PO1CA-14097-02 0003 (CAP) KNIGHT, ARTHUR. Cancer research program—Viruses; control mechanisms—Chemistry and biology of plant virus replication and mutation.
PO1CA-14089-01 0001 (CAP) WEINER, JOHN M. Pilot multidisciplinary cancer research program—Biometry, statistics and computing unit.	PO1CA-14097-02 0004 (CAP) WILLIAMS, ROBLEY C. Cancer research program—Viruses; control mechanisms—Ultrastructure of viruses, nucleic acids, enzymes.
PO1CA-14089-01 0003 (CAP) VISSER, DONALD W. Pilot multidisciplinary cancer research program—Transport of nucleosides in mammalian cells.	PO1CA-14097-02 0005 (CAP) DUESBERG, PETER H. Cancer research program—Viruses; control mechanisms—Structure and replication of cytotoxic and RNA tumor viruses.
PO1CA-14089-01 0005 (CAP) MOSTELLER, RAYMOND D. Pilot multidisciplinary cancer research program—Effect of bromodeoxyuridine on gene expression (bacteria).	PO1CA-14097-02 0066 (CAP) ECHOLS, G. HARRISON. Cancer research program—Viruses; control mechanisms—Regulation of nucleic acid synthesis and genetic recombination (bacteriophage).
PO1CA-14089-01 0006 (CAP) STELLWAGEN, ROBERT H. Pilot multidisciplinary cancer research program—Mechanism of action of 5-bromodeoxyuridine (rats).	PO1CA-14097-02 0007 (CAP) CALENDAR, RICHARD. Cancer research program—Viruses; control mechanisms—Biochemical and genetic studies on temperate phages.
PO1CA-14089-01 0007 (CAP) LEVY, DANIEL. Pilot multidisciplinary cancer research program—Glucagon receptor in liver plasma membranes (mammals).	PO1CA-14097-02 0008 (CAP) ROTH, JOHN R. Cancer research program—Viruses; control mechanisms—Role of tRNA in cell regulation (bacteriophage).
PO1CA-14089-01 0011 (CAP) HAVERBACK, BERNARD J. Pilot multidisciplinary cancer research program—Tumor antigens and antibodies in G I and bronchogenic cancer (human).	PO1CA-14097-02 0009 (CAP) CLARK, ALVIN J. Cancer research program—Viruses; control mechanisms—Molecular nature and genetics of recombination (bacteria).
PO1CA-14089-01 0013 (CAP) ALLERTON, SAMUEL E. Pilot multidisciplinary cancer research program—Extracellular substances in Wilms' and other tumors (human).	PO1CA-14097-02 0010 (CAP) GLASER, DONALD A. Cancer research program—Viruses; control mechanisms—DNA synthesis and division in bacteria.
	PO1CA-14097-02 0011 (CAP) RUBIN, HARRY. Cancer research program—Viruses; control mechanisms—Tumor virus transformation—Tissue homeostasis (mammals).

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- P01CA-14097-02 0012 (CAP) GURNEY, THEODORE, JR., Cancer research program-Viruses; control mechanisms-Tumor virus transformation-mRNA synthesis (mammals).
- P01CA-14097-02 0013 (CAP) GERHART, JOHN C. Cancer research program-Viruses; control mechanisms-Interactions of nucleus and cytoplasm during development (Drosophila).
- P01CA-14097-02 0014 (CAP) GUNTHER, S. STENT. Cancer research program-Viruses; control mechanisms-Neuronal connections, synaptic function and plasticity (mammals).
- R01CA-14100-02 (VR) RICH, MARVIN A, MICHIGAN CANCER FOUNDATION, 110 EAST WARREN AVENUE, DETROIT, MICH. The viral etiology of cancer (mice, rats).
- R01CA-14102-03 (PHB) SALMON, SYDNEY E, UNIVERSITY OF ARIZONA, COLLEGE OF MEDICINE, TUCSON, ARIZ. Kinetics of monoclonal plasma cell neoplasia of man.
- R01CA-14103-02 (BBCA) KRUGH, THOMAS R, UNIVERSITY OF ROCHESTER, DEPARTMENT OF CHEMISTRY, ROCHESTER, N. Y. Molecular basis of the actinomycin-DNA interaction.
- R01CA-14104-02 (SUP) WEISMAN, AVERY D, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Suicide and other coping behavior of cancer patients.
- R01CA-14108-03 (PTHA) GOLDSTEIN, ALLAN L, UNIVERSITY OF TEXAS, HUMAN BIO CHEM & GEN DEPT, GALVESTON, TEX. Endocrine role of the thymus in cancer induction by viruses (mice).
- P01CA-14109-05 (MAB) LEVIN, WILLIAM C, UNIVERSITY OF TEXAS, DEPT OF INTERNAL MEDICINE, GALVESTON, TEX. Studies of cellular immunity.
- R01CA-14113-02 (MAB) SHIN, HYUN S, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Tumor immunity (mice).
- R01CA-14117-02 (RAD) PORTEOUS, DONALD D, DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVE, BROOKLYN, N. Y. Tumor cell killing by x-rays and immunity (mice).
- R01CA-14121-02 (SUP) KRANT, MELVIN J, NEW ENGLAND MED CTR HOSPITALS, 171 HARRISON AVENUE, BOSTON, MASS. Interventive family therapy in dying and bereavement.
- R01CA-14125-01 (ALY) HIRAMOTO, RAYMOND N, UNIV OF ALABAMA IN BIRMINGHAM, UNIV STATION, BIRMINGHAM, ALA. A mathematical model for quantitation of cancer cells (mice).
- R01CA-14126-02 (ALY) JOHNSON, JOHN S, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Myeloma-induced inhibitor of lymphocyte function (mice).
- P01CA-14131-02 (SRC) LEE, RICHARD K, RESEARCH CORP OF U OF HAWAII, 1110 UNIVERSITY AVENUE, HONOLULU, HAWAII. Exploratory studies in cancer research (human).
- R26CA-14134-02 (SRC) MELAMED, MYRON R, MEMORIAL HOSPITAL, 444 EAST 68TH STREET, NEW YORK, N. Y. Automation of urinary cytology for cancer detection (human).
- R26CA-14135-02 (SRC) CHAPMAN, WARREN H, UNIVERSITY OF WASHINGTON, DEPT OF UROLOGY, RL-10, SEATTLE, WASH. Immunology of bladder tumors (human, rats).
- R26CA-14136-02 (SRC) KERN, WILLIAM H, HOSP OF GOOD SAMARITAN, 1212 SHATTO STREET, LOS ANGELES, CALIF. Cytopathology of urinary bladder carcinoma (human).
- R26CA-14137-03 (SRC) LIGHTON, JOSEPH, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Bladder cancer in meniscus gradient tissue culture (human).
- R26CA-14140-02 (LB) COPELAND, MURRAY M, UNIV OF TEXAS M D ANDERSON, 6723 BERTNER AVENUE, HOUSTON, TEX. Administration of the National Colorectal Cancer Project.
- R01CA-14142-12 (VR) ROBBINS, PHILLIPS W, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Cell surface biochemistry of transformed animal cells (hamsters).
- R10CA-14144-02 (CC) EZDINI, EDIZ Z, MT SINAI HOSPITAL MEDICAL CTR, CALIFORNIA AVE AT 15TH, CHICAGO, ILL. Eastern cooperative oncology group.
- R01CA-14146-02 (BT) WATTENBERG, LEE W, UNIVERSITY OF MINNESOTA, 198 JACKSON HALL, MINNEAPOLIS, MINN. Inhibition of chemical carcinogenesis by antioxidants (mice).
- R01CA-14152-03 (MCHB) MEYERS, ALBERT I, COLORADO STATE UNIVERSITY, DEPT OF CHEMISTRY, FORT COLLINS, COLO. New synthetic methods, routes to biologically active compounds.
- R01CA-14153-01 (MCHA) STAMMER, CHARLES H, UNIVERSITY OF GEORGIA, DEPARTMENT OF CHEMISTRY, ATHENS, GA. Cyclosporine and cyclo-glutamine.
- R01CA-14156-03 (PTHA) SIDRANSKY, HERSCHEL, UNIVERSITY OF SOUTH FLORIDA, 4202 EAST FOWLER AVENUE, TAMPA, FLA. Responses of polyribosomes in liver cancer (rats, mice).
- R01CA-14158-02 (BT) STERNSON, LARRY A, UNIVERSITY OF GEORGIA, DEPT OF MEDICINAL CHEMISTRY, ATHENS, GA. Oximes and amine-mediated carcinogenesis (rabbits, rats).
- R01CA-14162-01 (PTHB) GLAZER, ROBERT I, EMORY UNIVERSITY, DEPT OF PHARMACOLOGY, ATLANTA, GA. Carcinogen interactions in regenerating liver (rats).
- R01CA-14165-02 (RAD) DETHLEFSEN, LYLE A, UNIVERSITY OF UTAH, DEPT OF RADIOLOGY, SALT LAKE CITY, UTAH. Optimization of radiation therapy (mice).
- R01CA-14169-03 (BT) HACKER, BRUCE, ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N. Y. RNA synthetic patterns as a biochemical test in leukemia (human).
- R01CA-14170-02 (BBCA) MOROKUMA, KEIJI, UNIVERSITY OF ROCHESTER, DEPARTMENT OF CHEMISTRY, ROCHESTER, N. Y. Electronic aspects of carcinostatic mechanisms.
- R01CA-14180-02 (MCHB) PRIVETT, ORVILLE S, HORMEL INSTITUTE, 801 16TH AVENUE, N. E. AUSTIN, MINN. New aspects of neoplastic tissue lipid analysis (mammals).
- R01CA-14183-02 (HBM) SPRINGER, GEORG F, EVANSTON HOSPITAL, 2650 RIDGE AVENUE, EVANSTON, ILL. Isolation and properties of a sarcoma receptor (chickens, chick embryos).
- R01CA-14185-02 (BT) CHHEDA, GIRISH S, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Modified nucleosides in cancer chemotherapy (human, rats, primates).
- R01CA-14188-02 (BT) LAUSCH, ROBERT N, PENNSYLVANIA STATE UNIVERSITY, 500 UNIVERSITY DRIVE, HERSHEY, PA. Anti-tumor effect of cyclophosphamide (hamsters).
- R01CA-14189-02 (PTHB) CHALON, JACK, ALBERT EINSTEIN COLLEGE, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Bronchogenic carcinoma-Early detection and etiology (human).
- P01CA-14193-02 (CAP) MARSHAK, ROBERT R, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF VETERINARY MEDICINE, KENNETT SQUARE, PA. Comparative leukemia studies unit.
- P01CA-14193-02 0001 (CAP) FERRER JORGE F. Comparative leukemia studies unit-Morphological and antigenic characteristics of BLV (mammals, tissue culture).
- P01CA-14193-02 0002 (CAP) LEVY, DANIEL. Comparative leukemia studies unit-Tissue culture studies on the replication of BLV.
- P01CA-14193-02 0003 (CAP) GUILLEMAIN, BERNARD J. Comparative leukemia studies unit-Production purification and detection of BLV (human, cattle, rats).
- P01CA-14193-02 0004 (CAP) FERRER, JORGE F. Comparative leukemia studies unit-Natural transmission and distribution of BLV (human, mammals).
- P01CA-14193-02 0005 (CAP) FERRER, JORGE F. Comparative leukemia studies unit-Immunologic and genetic factors in bovine leukemogenesis.
- P01CA-14193-02 0006 (CAP) MARSHAK, ROBERT R. Comparative leukemia studies unit-Leukemogenic activity of BLV.
- P01CA-14193-02 0007 (CAP) AST, DONALD A. Comparative leukemia studies unit-Bovine leukemia herds for research.
- P01CA-14193-02 0008 (CAP) FERRER, JORGE F. Comparative leukemia studies unit-Immunological factors in growth of RadLV lymphoma (rats).
- P01CA-14193-02 0009 (CAP) LEVY, DANIEL. Comparative leukemia studies unit-Detection of RadLV or genome in lymphoma (tissue culture, rats).
- P01CA-14193-02 0010 (CAP) LEVY, DANIEL. Comparative leukemia studies unit-Virion proteins.
- P01CA-14193-02 0011 (CAP) CHUN, EDWARD H L. Comparative leukemia studies unit-Characterization of viral nucleic acids.
- P01CA-14193-02 0012 (CAP) ORTIZ, PRISCILLA J. Comparative leukemia studies unit-Bovine lymphocytic cyclic AMP-dependent protein kinase.
- P01CA-14193-02 0013 (CAP) CHUN, EDWARD H L. Comparative leukemia studies unit-Status of the viral genome (cattle, rats).
- P01CA-14195-01 (CAP) HOLLEY, ROBERT W, SALK INST FOR BIOL STUDIES, PO BOX 1809, SAN DIEGO, CALIF. Core grant-Regulation, the cell membrane and cancer.
- P01CA-14195-01 0001 (CAP) BYRD, WILLIAM J. Core grant-Regulation, the cell membrane and cancer-Collaboration of bone marrow and thymus derived lymphocytes (cattle, mice).
- P01CA-14195-01 0002 (CAP) COHN, MELVIN. Core grant-Regulation, the cell membrane and cancer-Murine antibody synthesis-immune related tumors-immunobiology.
- P01CA-14195-01 0003 (CAP) DENNERT, GUNTHER. Core grant-Regulation, the cell membrane and cancer-Cell types and factors involved in cell-mediated immunity (mice).
- P01CA-14195-01 0004 (CAP) DULBECCO, RENATO. Core grant-Regulation, the cell membrane and cancer-Function of viral and cellular genes (tissue culture).
- P01CA-14195-01 0005 (CAP) ECKHART, WALTER. Core grant-Regulation, the cell membrane and cancer-Viral gene functions and cell growth regulation (tissue culture).
- P01CA-14195-01 0006 (CAP) HATLEN, LOREN E. Core grant-Regulation, the cell membrane and cancer-Blocking of tumor immunity (mice).
- P01CA-14195-01 0007 (CAP) HEINEMANN, STEPHEN F. Core grant-Regulation, the cell membrane and cancer-Membrane structure and function (tissue culture).
- P01CA-14195-01 0008 (CAP) HOLLEY, ROBERT W. Core grant-Regulation, the cell membrane and cancer-Control of growth of mammalian cells.
- P01CA-14195-01 0009 (CAP) HUNTER, ANTHONY R. Core grant-Regulation, the cell membrane and cancer-Polyoma gene functions and the transformed state.
- P01CA-14195-01 0010 (CAP) HYMAN, ROBERT A. Core grant-Regulation, the cell membrane and cancer-Regulation and function of cell surface antigens (mice).
- P01CA-14195-01 0011 (CAP) JAENISCH, RUDOLPH. Core grant-Regulation, the cell membrane and cancer-Effect of cell transformation on differentiated cell function.
- P01CA-14195-01 0012 (CAP) LEFFERT, HYAM L. Core grant-Regulation, the cell membrane and cancer-Hepatocellular growth regulation by serum factors (cattle, rats).
- P01CA-14195-01 0013 (CAP) LENNOX, EDWIN S. Core grant-Regulation, the cell membrane and cancer-Live cell immunogens for tumor rejection (rats).
- P01CA-14195-01 0014 (CAP) LOHRMANN, ROLF. Core grant-Regulation, the cell membrane and cancer-Chemical synthesis of P-32-labelled nucleotides.
- P01CA-14195-01 0015 (CAP) NICOLSON, GARTH L. Core grant-Regulation, the cell membrane and cancer-Topography of normal, embryonic and neoplastic cell surfaces (mice, hamsters).
- P01CA-14195-01 0016 (CAP) PAUL, DIETRICK. Core grant-Regulation, the cell membrane and cancer-Serum factor requirements of fetal rat liver cells and transformed fibroblasts.
- P01CA-14195-01 0017 (CAP) RALPH, PETER. Core grant-Regulation, the cell membrane and cancer-Murine lymphoid cell lines as lymphocytes and as tumors.
- P01CA-14195-01 0018 (CAP) RIBLET, ROY J, III. Core grant-Regulation, the cell membrane and cancer-Genetic defects in immunological defenses (mice).
- P01CA-14195-01 0019 (CAP) SANCHEZ, ROBERT A. Core grant-Regulation, the cell membrane and cancer-Synthesis and chemotherapy of nucleic acid analogs.
- P01CA-14195-01 0020 (CAP) SCHUBERT, DAVID R. Core grant-Regulation, the cell membrane and cancer-Characterization of neurological tumors in mice and rats.
- P01CA-14195-01 0021 (CAP) SHIER, W. THOMAS. Core grant-Regulation, the cell membrane and cancer-Synthetic tumor antigens.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PO1CA-14195-01 0022 (CAP) TUCKER, DEREK F.** Core grant-Regulation, the cell membrane and cancer-Modification of response of T and B cells to TSTA.
- PO1CA-14195-01 0023 (CAP) VOGT, MARGUERITE M.** Core grant-Regulation, the cell membrane and cancer-Viral gene functions involved in transformation (tissue culture).
- PO1CA-14195-01 0024 (CAP) WALTER, GERNOT F.** Core grant-Regulation, the cell membrane and cancer-Cell surface proteins of polyoma virus and SV40 transformed cells (hamsters).
- PO1CA-14195-01 0025 (CAP) WATSON, JAMES D.** Core grant-Regulation, the cell membrane and cancer-Regulation of antibody synthesis (cattle).
- R01CA-14200-02 (END) FOLKERS, KARL,** UNIVERSITY OF TEXAS, INSTITUTE FOR BIOMEDICAL RES. AUSTIN, TEX. Tumor inhibition by prolactin inhibiting factor (animals).
- R01CA-14211-01 (PTHB) VAN DUUREN, BENJAMIN L,** NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Interaction on oncogenic agents with cell membranes (rats).
- R10CA-14215-02 (CCI) BRODOVSKY, HARVEY S,** JEFFERSON MEDICAL COLLEGE, 1025 WALNUT STREET, PHILADELPHIA, PA. Eastern cooperative oncology group.
- R01CA-14216-02 (IMB) ZATZ, MARION M,** YALE UNIVERSITY, 310 CEDAR STREET, NEW HAVEN, CONN. Characterization of lymphoid populations in oncogenesis (mice).
- R01CA-14221-02 (NTN) BAUMGARTNER, WERNER A,** UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Antioxidants in senescing and in neoplastic cells (mammals).
- R01CA-14223-02 (ET) BARTELS, PETER H,** UNIVERSITY OF ARIZONA, DEPARTMENT OF MICROBIOLOGY, TUCSON, ARIZ. Measurement of cell response to anticancer drugs.
- R01CA-14226-02 (ET) BENEDICT, WILLIAM F,** CHILDRENS HOSPITAL, P O BOX 54700 TERMINAL ANNEX, LOS ANGELES, CALIF. Malignant transformation of DNA inhibitors (mice).
- R01CA-14228-02 (RAD) KELLY, LOLA S,** DONNER LAB, LAWRENCE BERK LAB, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Role of immunosuppression in radiation induced leukemia (mice).
- R01CA-14230-02 (ET) BLAKLEY, RAYMOND L,** UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Antifolates in leukemia and graft-versus-host disease (human, mice).
- R01CA-14231-03 (PHRB) LEVINE, WALTER G,** ALBERT EINSTEIN COLL OF MEDIC, BRONX, N Y. Role of metabolism in biliary excretion of drugs (rats).
- R01CA-14232-01 (ET) HUSSA, ROBERT O,** MEDICAL COLLEGE OF WISCONSIN, 8700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Mechanism of actinomycin D-Enhanced hCG secretion (tissue culture).
- R01CA-14235-02 (GEN) SWIFT, MICHAEL R,** UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N C. Neoplasia-predisposing genes in man.
- PO1CA-14236-01 (CAP) SHINGLETON, WILLIAM W,** DUKE UNIVERSITY, DURHAM, N C. Comprehensive cancer center support grant.
- R01CA-14237-02 (MCMA) GRIBBLE, GORDON W,** DARTMOUTH COLLEGE, DEPARTMENT OF CHEMISTRY, HANOVER, N H. Synthesis of antitumor indole alkaloids.
- R01CA-14238-02 (MCMA) ABDEL-MONEM, MAHMOUD M,** UNIVERSITY OF MINNESOTA, COLLEGE OF PHARMACY, MINNEAPOLIS, MINN. Synthesis of ornithine decarboxylase inhibitors (rats).
- R01CA-14239-02 (MCMA) ABDEL-MONEM, MAHMOUD M,** UNIVERSITY OF MINNESOTA, DEPT OF MEDICINAL CHEMISTRY, MINNEAPOLIS, MINN. Elucidation of polyamine conjugates in urine (human).
- R26CA-14241-02 (SRC) KESSLER, IRVING I,** JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Artificial sweeteners in bladder cancer (human).
- R01CA-14252-02 (MCMA) TOWNSEND, LEROY B,** UNIVERSITY OF UTAH, DEPT OF BIOPHARMACEUTICAL SCIS, SALT LAKE CITY, UTAH. Synthesis of c-nucleosides related to showdomycin.
- R01CA-14260-02 (BM) BULLERMAN, LLOYD B,** UNIVERSITY OF NEBRASKA, DEPT OF FOOD SC & TECH, LINCOLN, NEBR. Carcinogenic mycotoxin formation in refrigerated food.
- R01CA-14264-02 (PTHA) SAINTON, DOROTHY F,** UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY, SAN FRANCISCO, CALIF. Pathology of cell differentiation in leukemia (human, rodents).
- R01CA-14266-03 (ET) SANTI, DANIEL V,** SCHOOL OF PHARMACY, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Chemotherapy with inhibitors of protein synthesis (E coli, rats).
- R01CA-14270-02 (RAD) ANDERSON, ROBERT E,** UNIVERSITY OF NEW MEXICO, DEPARTMENT OF PATHOLOGY, ALBUQUERQUE, N MEX. Immune surveillance in radiation carcinogenesis (mice).
- PO1CA-14271-02 (SRC) HORTON, JOHN,** UNION UNIVERSITY, 47 NEW SCOTLAND AVENUE, ALBANY, N Y. Exploratory studies in cancer research (human).
- R01CA-14274-02 (CBY) ROMANO, ANTONIO M,** UNIVERSITY OF CONNECTICUT, BIOLOGICAL SCIENCES GROUP, STORRS, CONN. Sugar transport and malignant transformation (mice).
- R01CA-14278-01 (HEM) CHERVENICK, PAUL A,** UNIVERSITY OF PITTSBURGH, TERRACE & DESOTO STREETS, PITTSBURGH, PA. Growth and maturation of hematopoietic stem cells (human, animals).
- PO1CA-14289-02 (SRC) BERTINO, JOSEPH R,** YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Exploratory studies in cancer research.
- PO1CA-14293-02 (SRC) PORIUS, WALTER J,** CASE WESTERN RESERVE UNIV, 2119 ABRINGTON ROAD, CLEVELAND, OHIO. Exploratory studies in cancer research (human).
- R01CA-14296-02 (END) KIRSCHNER, MARVIN A,** NEWARK BETH ISRAEL MED CENTER, 201 LYONS AVENUE, NEWARK, N J. Androgen-estrogen production rates in breast cancer (human).
- R01CA-14297-02 (IMB) KOPFLER, DAVID,** MOUNT SINAI SCHOOL OF MEDICINE, DEPARTMENT OF PATHOLOGY, NEW YORK, N Y. Immuno-diagnosis of ovarian carcinoma (human, rabbits).
- R01CA-14298-02 (PTHB) WEISBURGER, JOHN H,** AMERICAN HEALTH FOUNDATION, 1370 AVENUE OF THE AMERICAS, NEW YORK, N Y. Mechanisms of cancer induction in the digestive tract (rats).
- R10CA-14299-03 (CCI) MEYER, LEO M,** VETERANS ADMINISTRATION HOSP, 800 POLY PLACE, BROOKLYN, N Y. Southeastern cancer study group.
- R01CA-14303-02 (SGYA) RAND, ROBERT W,** UNIVERSITY OF CALIFORNIA, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. Ferromagnetic silicone vascular occlusion in neoplasms (dogs, human).
- R01CA-14310-02 (RAD) BURKI, HENRY J,** UNIVERSITY OF CALIFORNIA, 103 DONNER LABORATORY, BERKELEY, CALIF. Tritium damaged mammalian cells in vitro (mice, hamsters).
- R01CA-14311-02 (VR) SCHLESINGER, MILTON J,** WASHINGTON UNIVERSITY, DEPT OF MICROBIOLOGY BOX 8093 , ST LOUIS, MO. RNA-envelope virus formation in animal cells.
- R01CA-14312-01 (CBY) LEFFERT, HYAM L,** SALK INST FOR BIO STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Hepatocellular growth-in vitro system (rats).
- R01CA-14313-02 (CBY) GORDON, JULIUS A,** UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Interaction of lectins with cell membranes (human).
- R01CA-14318-01 (PC) WAITE, B MOSELEY,** BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF BIOCHEMISTRY, WINSTON-SALEM, N C. Lysophospholipid metabolism of neoplasias (tissue culture).
- R01CA-14319-02 (PC) SCHEINGRUND, CARA-LYNNIE,** MILTON S HERSHEY MEDICAL CTR, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA. Glycosphingolipid biochemistry in transformed cells (human, hamsters, cattle).
- R01CA-14322-02 (ET) WIGLER, PAUL W,** UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Anticancer action and mechanism of nucleotide analogs.
- R01CA-14323-02 (ET) HAN, TIN,** ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Neuraminidase and cell-mediated immunity (human, mice).
- R01CA-14326-02 (PHRB) CAPIZZI, ROBERT L,** YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Host-mediated detection of mutagens with murine cells (mice).
- R01CA-14327-02 (ET) LO BUGLIO, ALBERT F,** OHIO STATE UNIVERSITY HOSPITAL, 410 WEST 10TH AVENUE, COLUMBUS, OHIO. Transfer factor immunotherapy of cancer.
- R01CA-14343-01 (MCMA) BERLIN, KENNETH D,** OKLAHOMA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, STILLWATER, OKLA. Heterosteroids-Anticancer agent potentiators (mice, rats).
- R01CA-14345-01 (MBY) GOODMAN, DAVID B,** UNIVERSITY OF PENNSYLVANIA, DEPT OF PEDIATRICS, PHILADELPHIA, PA. Membrane turnover and repair in normal and malignant cells (toads, mammals).
- R01CA-14346-02 (ALY) EDGINGTON, THOMAS S,** SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Human tumor-Associated molecular expressions-CEA.
- R01CA-14351-01 (PC) EDSTROM, RONALD D,** UNIVERSITY OF MINNESOTA, 227 MILLARD HALL, MINNEAPOLIS, MINN. Normal and leukemic lymphocyte surface glycoproteins.
- R01CA-14360-02 (ET) GABOUREL, JOHN D,** UNIVERSITY OF OREGON, 3181 SW SAM JACKSON PARK ROAD , PORTLAND, OREG. Immunosuppressant effects of sedative hypnotic drugs.
- R01CA-14362-02 (PTHA) MACINTYRE, ELIZABETH H,** NATL JEWISH HOSPITAL & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Growth and function of cerebral cells in vitro (human, sheep).
- R01CA-14364-02 (IMB) HUNTER, ROBERT L,** UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Selective stimulation of cell mediated cancer immunity (mice, guinea pigs).
- R01CA-14365-02 (ET) HELMSTETTER, CHARLES E,** ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Cell cycle in relation to cancer chemotherapy.
- R01CA-14370-02 (PTHB) MASLOW, DAVID E,** ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Specificity in normal and cancer cell interactions.
- R01CA-14374-02 (RAD) MOROSON, HAROLD,** NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AT 106TH STREET, NEW YORK, N Y. Effect of radiotherapy on host immune reactions.
- R01CA-14374-02 0001 (RAD) MOROSON, HAROLD.** Effect of radiotherapy on host immune reactions-Protection against radiation immunosuppression by immune adjuvants (rats, mice).
- R01CA-14374-02 0002 (RAD) MOROSON, HAROLD.** Effect of radiotherapy on host immune reactions-Release of tumor specific antigen following local irradiation (rats, mice).
- R01CA-14374-02 0003 (RAD) MOROSON, HAROLD.** Effect of radiotherapy on host immune reactions-A new class of immune adjuvants-polycations (mice).
- R01CA-14378-05 (MCMA) HORNEMANN, ULFERT,** PURDUE UNIVERSITY, SCH OF PHARMACY-PHARMACAL SCIS, LAFAYETTE, IND. Biosynthesis of the mitomycin antibiotics.
- R01CA-14380-02 (SGYA) WHITE, THOMAS T,** UNIVERSITY OF WASHINGTON, BB487 UNIVERSITY HOSPITAL, SEATTLE, WASH. Pancreatic ductal versus duodenal secretions (human).
- R01CA-14384-02 (SSS) PINTAR, MILAN M,** UNIVERSITY OF WATERLOO, DEPARTMENT OF PHYSICS, WATERLOO, ONTARIO, CANADA. Rotating frame relaxation in malignant mice tissue.
- R01CA-14386-01 (ET) UYEKI, EDWIN M,** KANSAS UNIVERSITY, 39TH STREET AT RAINBOW BLVD, KANSAS CITY, KANS. Toxicity of anti-tumor drugs (mice).
- R01CA-14387-02 (ET) NOYES, WILBUR F,** ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Organ cultures and carcinogens (human, animals).
- R01CA-14388-02 (ET) SCHEVING, LAWRENCE E,** UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM, LITTLE ROCK, ARK. Chronobiological approach to cancer chemotherapy (mice).
- R01CA-14394-02 (ET) SANTI, DANIEL V,** UNIVERSITY OF CALIFORNIA, DEPT OF PHARMACEUTICAL CHEM, SAN FRANCISCO, CALIF. Mechanism of thymidylate synthetase-Model studies.
- PO1CA-14395-02 (CAP) LESSNER, HOWARD E,** UNIVERSITY OF MIAMI, P. O. BOX 875, BISCAYNE ANNEX , MIAMI, FLA. Cancer research center of Greater Miami.
- PO1CA-14395-02 0002 (CAP) CASSADY, JANET C.** Cancer research center of Greater Miami-Biostatistical and computer consultation.
- PO1CA-14395-02 0003 (CAP) CHARYULU K K N.** Cancer research center of Greater Miami-Computerized tumor registry in Southern Florida.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-14395-02 0008 (CAP) GREEN, SHELDON. Cancer research center of Greater Miami—Therapy and pyrimidine catabolism, radiation and repair (mammals).

P01CA-14395-02 0009 (CAP) MUENCH, KARL H. Cancer research center of Greater Miami—Aminoacyl-tRNA synthetases of leukemic cells (human).

P01CA-14395-02 0010 (CAP) WERNER, RUDOLF. Cancer research center of Greater Miami—DNA replication and regulation in mammalian cells.

P01CA-14395-02 0012 (CAP) GALL, STANLEY. Cancer research center of Greater Miami—Antigens from genital tumors (human).

P01CA-14395-02 0031 (CAP) MCCULLOUGH, JERRY. Cancer research center of Greater Miami—DNA biosynthesis and drug effects in skin cancer (human).

P01CA-14395-02 0036 (CAP) AVERETTE, HERVY E. Cancer research center of Greater Miami—Programmed chemotherapy and cell kinetics in gynecologic cancer.

P01CA-14395-02 0037 (CAP) LESSNER, HOWARD E. Cancer research center of Greater Miami—Medical oncology program.

P01CA-14395-02 0051 (CAP) GUNN, SAMUEL. Cancer research center of Greater Miami—Training and education program.

R01CA-14396-02 (BBCA) COLE, RONALD S, UNIV OF GEORGIA, DEPT OF BIOCHEMISTRY, ATHENS, GA. Repair of DNA crosslinks in bacteria and animal cells.

R01CA-14397-02 (BBCA) MOHR, SCOTT C, BOSTON UNIVERSITY, 685 COMMONWEALTH AVENUE, BOSTON, MASS. Carcinogen-transfer RNA interactions.

R01CA-14403-02 (MCHA) SCHLESSINGER, RICHARD H, UNIVERSITY OF ROCHESTER, DEPARTMENT OF CHEMISTRY, ROCHESTER, N. Y. Practical total synthesis of cephalotaxine.

R01CA-14405-02 (ET) MAYHEW, ERIC G, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Mechanism of anti-tumor effects of polynucleotides.

R01CA-14406-02 (BIO) DRYSDALE, JAMES W, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. DNA-dependent RNA polymerases in normal and malignant cells, (mice).

R01CA-14408-02 (HEM) GORDON, STUART G, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Role of cancer factor in thrombosis and tumor growth (human).

R01CA-14409-02 (IMB) TERRES, GERONIMO, JR, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Control of immunity in mice to L1210/MTX leukemia.

R01CA-14413-02 (PTHB) MINOWADA, JUN, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Human lymphatic neoplasia.

R01CA-14414-02 (RAD) WEBER, DAVID A, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Kinetics of fluorine 18 and Technetium 99m polyphosphate in bone (rats, human).

R10CA-14415-02 (CCI) GLASS, ANDREW G, 4707 S E HAWTHORNE BOULEVARD, PORTLAND, OREG. Western cancer study group.

R01CA-14420-02 (PTHB) COOPER, AMIEL G, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Blood-group antigens on tumor cell membranes (human, mice, guinea pigs).

R01CA-14427-02 (BDC) SCHACHTER, JULIUS, UNIVERSITY OF CALIFORNIA, G W HOOPER FDN, 1699-D HSW, SAN FRANCISCO, CALIF. Epidemiology of cervical cancer—Chlamydiae and herpes (human).

R01CA-14428-02 (HEM) KASS, LAWRENCE, SIMPSON MEMORIAL INSTITUTE, 102 OBSERVATORY STREET, ANN ARBOR, MICH. Histones in disorders of erythropoiesis (human).

R01CA-14431-02 (PTHB) MC GUIRE, EDWARD J, NATIONAL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Cell adhesion of normal and malignant liver cells (rats).

R01CA-14432-02 (ET) POST, JOSEPH, NEW YORK UNIV RESEARCH SERVICE, GOLD-WATER MEMORIAL HOSPITAL, WELFARE ISLAND, N. Y. Tumor cell proliferation (rats).

R01CA-14434-02 (BBCB) BOX, HAROLD C, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Molecular basis for radiation sensitization.

R10CA-14438-02 (CCI) MASS, ROBERT E, VETERANS ADMINISTRATION HOSP, SAM JACKSON PARK, PORTLAND, OREG. Western cancer study group.

R01CA-14441-02 (PTHB) LINDER, MARIA C, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Copper and ceruloplasmin metabolism in cancer.

R10CA-14442-02 (CCI) SILVERBERG, IVAN J, MT ZION HOSPITAL & MED CTR, POST OFFICE BOX 7921, SAN FRANCISCO, CALIF. Western Cancer Study Group.

R10CA-14443-02 (CCI) WILSON, WESLEY W, WESTERN MONTANA CLINIC, 501 WEST BROADWAY, MISSOULA, MONT. Western cancer study group.

R01CA-14445-02 (ET) HALBERG, FRANZ, UNIVERSITY OF MINNESOTA, 380 LYON LABORATORIES, MINNEAPOLIS, MINN. Carcinostatic treatment according to spectrum of rhythms(mice).

R01CA-14447-02 (PTHB) WEINSTEIN, RONALD S, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Cell membrane interrelationships in human cancer (and mice).

R01CA-14448-02 (VR) CENTER, MELVIN S, KANSAS STATE UNIVERSITY, BIOLOGICAL SCIENCE BUILDING, MANHATTAN, KANS. DNA tumor viruses—Enzymology of polyoma DNA metabolism.

R10CA-14449-02 (CCI) HENDRICKSON, CHARLES G, KAISER FDN RESEARCH INST, SAN FRANCISCO, CALIF. Western cancer study group.

R10CA-14450-02 (CCI) MACKENZIE, MALCOLM R, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Western cancer study group.

R01CA-14459-02 (IMB) HATTLER, BRACK G, UNIVERSITY OF ARIZONA, DEPARTMENT OF SURGERY, TUCSON, ARIZ. Cellular immunity—Use of a tumor model (human, mice).

R01CA-14460-01 (ET) KOLLMORGEN, GERALD M, OKLAHOMA MEDICAL RESEARCH FDN, 825 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Immunotherapy combined with surgery and chemotherapy.

R01CA-14462-02 (PTHB) THORBECKE, GEERTRUIDA J, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Properties of lymphoid tumor cells (rats, mice, chickens).

R01CA-14464-02 (SSS) LOEWENSTEIN, WERNER R, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Program on etiology and diagnosis of cancer (human, mammals).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01CA-14466-02 (ET) HOLOUBEK, VIKTOR, UNIVERSITY OF TEXAS, DEPT OF HUMAN BIOL CHEM & GEN, GALVESTON, TEX. Mechanism of aminoazo dyes carcinogenesis (rats).

R10CA-14472-02 (CCI) ARMENTROUT, STEVEN A, UNIVERSITY OF CALIFORNIA, CALIFORNIA COLLEGE OF MED, IRVINE, CALIF. Western cancer study group.

R01CA-14474-02 (GEN) SHEARER, RUTH W, FRED HUTCHINSON CANCER RES CTR, 1102 COLUMBIA STREET, SEATTLE, WASH. Nuclear-cytoplasmic RNA transport in carcinogenesis.

R01CA-14477-02 (MCHB) DE BRUIN, KENNETH E, COLORADO STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, FORT COLLINS, COLO. Potential anti-tumor agents and esterase inhibitors.

R01CA-14484-01 (PTHB) HOUCK, JOHN C, CHILDREN'S HOSPITAL, 2125 13TH STREET, N W, WASHINGTON, D C. Specific inhibition of human fibroblast proliferation.

R10CA-14485-02 (CCI) BULL, FRANCES E, UNIVERSITY OF MICHIGAN, 3014 ADMINISTRATION BUILDING, ANN ARBOR, MICH. Western cancer study group.

R01CA-14487-02 (IMB) HARRIS, T N, CHILDREN'S HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Effects of anti-tumor antibodies on tumor transplants (mice, rabbits).

R10CA-14488-02 (CCI) HESTORFF, ROBERT D, 280 WEST MACARTHUR BOULEVARD, OAKLAND, CALIF. Western cancer study group.

R01CA-14491-01 (SSS) WAXMAN, SAMUEL, MOUNT SINAI HOSPITAL, FIFTH AVENUE AT 100TH STREET, NEW YORK, N. Y. Novel transport proteins in hepatoma (human, rabbits).

P01CA-14493-01 (SRC) BRICKMAN, ISADORE D, CHARITY HOSPITAL, 1532 TULANE AVENUE, NEW ORLEANS, LA. Exploratory studies in cancer research (human).

R01CA-14495-01 (BBCA) ALLEN, FRITZ S, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF CHEMISTRY, ALBUQUERQUE, N. MEX. Base sites of antitumor antibiotic DNA binding by CD.

R01CA-14496-02 (BBCB) MAGNUSON, JAMES A, WASHINGTON STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, PULLMAN, WASH. Metal ion function in concanavalin A (beans).

P01CA-14499-02 (SRC) NOWEL, PETER C, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Exploratory studies in cancer research (human).

R01CA-14500-02 (PHRB) FLETCHER, T LLOYD, PACIFIC NORTHWEST RESEARCH FDN, 1102 COLUMBIA, SEATTLE, WASH. Biologically significant polycyclic derivatives.

R01CA-14502-02 (ET) TAUB, ROBERT N, MOUNT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Heteroantiseria to human leukemia-associated antigens (mice).

R10CA-14506-02 (CCI) BROOK, JACK, VETERANS ADMINISTRATION HOSP, 5901 EAST SEVENTH STREET, LONG BEACH, CALIF. Western cancer study group.

R01CA-14508-01 (IMB) EPSTEIN, LOIS S, UNIVERSITY OF CALIFORNIA, CANCER RESEARCH INSTITUTE, SAN FRANCISCO, CALIF. The role of interferon in human immunity to tumors.

R01CA-14511-02 (MCHB) FERRIS, JAMES P, RENNSSELAER POLYTECHNIC INST, DEPARTMENT OF CHEMISTRY, TROY, N. Y. Photosynthesis of antiviral and antitumor drugs.

R01CA-14516-02 (GEN) HEBERLEIN, GARY T, UNIVERSITY OF MISSOURI, 8001 NATURAL BRIDGE ROAD, ST LOUIS, MO. Genetics and biochemistry of tumor induction (bacteria, plants).

R01CA-14517-02 (VR) HOLMES, KATHRYN V, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Cell fusion—Mechanism and oncogenic significance.

R10CA-14518-02 (CCI) BOHANNON, RICHARD A, SAN FRANCISCO GENERAL HOSPITAL, 1001 POTRERO AVENUE, BLDG 40, SAN FRANCISCO, CALIF. Western cancer study group.

P02CA-14520-02 (CAP) RUSCH, HAROLD P, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Wisconsin Clinical Cancer Center.

P02CA-14520-02 0001 (CAP) AUERBACH, ROBERT. Wisconsin Clinical Cancer Center—Developmental interactions in control of tumors (human, mice).

P02CA-14520-02 0005 (CAP) FOX, ALLEN S. Wisconsin Clinical Cancer Center—Genetic transformation (gene therapy) in mammals (mice).

P02CA-14520-02 0006 (CAP) MEISSNER, LORRAINE F. Wisconsin Clinical Cancer Center—Genetic and epidemiologic factors in high risk cancer (human).

P02CA-14520-02 0007 (CAP) BACH, FRITZ H. Wisconsin Clinical Cancer Center—Major histocompatibility systems and neoplastic diseases (human).

P02CA-14520-02 0008 (CAP) HONG, RICHARD. Wisconsin Clinical Cancer Center—Tumor cells and lymphocytes-immunodetection and therapy (human, mice).

P02CA-14520-02 0012 (CAP) JOHNSON, ROBERT O. Wisconsin Clinical Cancer Center—Clinical investigation of therapy for solid tumors.

P02CA-14520-02 0013 (CAP) ROSE, DAVID P. Wisconsin Clinical Cancer Center—Vitamin B6, steroid hormones and anergy (human).

P02CA-14520-02 0014 (CAP) CAMERON, JOHN F. Wisconsin Clinical Cancer Center—Quantitative measurements of lung tumors in vivo.

P02CA-14520-02 0021 (CAP) KASS, DAVID. Wisconsin Clinical Cancer Center—Rehabilitation of the cancer patient.

P02CA-14520-02 0022 (CAP) ZIMMER, MARIE J. Wisconsin Clinical Cancer Center—Nursing role in care and rehabilitation.

P02CA-14520-02 0024 (CAP) RUSCH, HAROLD P. Wisconsin Clinical Cancer Center—Biometrics and information sciences-cancer review.

P02CA-14520-02 0025 (CAP) BUCHLER, DOLORES. Wisconsin Clinical Cancer Center—Computerized program for treatment and care-gynecologic oncology.

P02CA-14520-02 0027 (CAP) RUSCH, HAROLD P. Wisconsin Clinical Cancer Center—Computerized information system planning study.

P02CA-14520-02 0032 (CAP) MUELLER, GERALD C. Wisconsin Clinical Cancer Center—In-situ factors affecting the differentiation of malignant mammary cells.

P02CA-14520-02 0033 (CAP) CALDWELL, WILLIAM L. Wisconsin Clinical Cancer Center—Radiation therapy research (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R26CA-14523-02 (SRC) PAMUKCU, A M, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE C-716, MADISON, WIS. Urinary bladder carcinogenesis by bracken fern (cattle, rats, mice).	P01CA-14599-01 0014 (CAP) OVERTON, JANE H. University of Chicago Cancer Research Center—Morphogenesis of cell surfaces (chick embryo).
R26CA-14524-02 (SRC) LOWER, GERALD M, JR, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Metabolic factors involved in bladder carcinogenesis (monkeys, rabbits, dogs, rod).	P01CA-14599-01 0015 (CAP) STERNER, DONALD R. University of Chicago Cancer Research Center—Role of insulin in biochemical regulation (rats).
R01CA-14523-02 (HEM) ABELL, CREED W, DEPT OF HUMAN BIOL CHEM & GEN, UNIV OF TEXAS MEDICAL BRANCH, GALVESTON, TEX. Biochemistry of normal and leukemic lymphocytes (human).	P01CA-14599-01 0016 (CAP) WONG, TING-WA. University of Chicago Cancer Research Center—Development and aging of canine prostate—Induction of prostatic carcinoma.
R01CA-14527-01 (BT) ABELL, CREED W, DEPT OF HUMAN BIO CHEM & GEN, UNIVERSITY OF TEXAS MED BRANCH, GALVESTON, TEX. Enzyme therapy of neoplasia (mice).	P01CA-14599-01 0017 (CAP) WOOL, IRA G. University of Chicago Cancer Research Center—Proteins of 40S and 60S subparticles of eukaryotic liver ribosomes (rats).
R01CA-14529-02 (VR) STREYER, RICHARD A, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Search for leukemia viruses with a helper virus assay (mice).	P01CA-14599-01 0018 (CAP) MORLEY, COLIN G D. University of Chicago Cancer Research Center—Biochemical control of cell growth (rats, mice).
R01CA-14530-02 (VR) WINOCOUR, ERNEST, WEIZMANN INSTITUTE OF SCIENCE, REHOVOT, ISRAEL. Substituted SV40 DNA.	P01CA-14599-01 0019 (CAP) STECK, THEODORE. University of Chicago Cancer Research Center—Organization of lipids in plasma membranes (rats).
R01CA-14532-02 (PHRB) MADELL, ELI M, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Pathophysiology of leukemia in guinea pigs.	P01CA-14599-01 0021 (CAP) STRAUS, FRANCIS H. University of Chicago Cancer Research Center—Pathology evaluation of breast (human).
R01CA-14533-02 (RAD) MENDELSON, MORTIMER L, LAWRENCE LIVERMORE LABORATORY, P O BOX 808, LIVERMORE, CALIF. Radiobiological techniques in human cancer therapy (and mice).	P01CA-14599-01 0022 (CAP) COHN, EDWARD P. University of Chicago Cancer Research Center—Immune status of patients with breast cancer.
R01CA-14534-02 (SSS) JACOBY, LEE B, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Mutation, regulation normal or neoplastic cells (human, bacteriophage, rodents).	P01CA-14599-01 0022 (CAP) STRAUS, FRANCIS H. University of Chicago Cancer Research Center—Human autologous regional lymphocyte—Breast cancer interaction.
P01CA-14536-01 (CAP) MURPHY, GERALD P, ROSWELL PARK MEMORIAL INSTITUTE, 666 ELM STREET, BUFFALO, N Y. Cancer Institute core proposal.	P01CA-14599-01 0024 (CAP) LANDAU, RICHARD L. University of Chicago Cancer Research Center—Hormonal milieu in breast cancer (human).
P01CA-14536-01 0041 (CAP) MIRAND, EDWIN A. Cancer Institute core proposal—Activation of helper activity in human neoplastic tissue.	P01CA-14599-01 0025 (CAP) JENSEN, ELWOOD V. University of Chicago Cancer Research Center—Estrogen receptors and breast cancer response to endocrine therapy (human).
P01CA-14536-01 0004 (CAP) FREEMAN, ARNOLD I. Cancer Institute core proposal—Electron microscope facilities.	P01CA-14599-01 0026 (CAP) THOMSEN, SHARON. University of Chicago Cancer Research Center—Localization of estradiol receptor in human breast neoplasm.
P01CA-14536-01 0005 (CAP) PRIORE, ROGER L. Cancer Institute core proposal—Computer science methodology.	P01CA-14599-01 0027 (CAP) FERGUSON, DONALD J. University of Chicago Cancer Research Center—Treatment of non-metastatic breast cancer (human).
P01CA-14536-01 0007 (CAP) SINKS, LUCIUS F. Cancer Institute core proposal—Pediatric cancer center.	P01CA-14599-01 0028 (CAP) FERGUSON, DONALD J. University of Chicago Cancer Research Center—Use of cesium-131 in choice of therapy for metastatic cancer (human).
R01CA-14538-02 (BIO) HOWARD, JAMES B, UNIVERSITY OF MINNESOTA, DEPARTMENT OF BIOCHEMISTRY, MINNEAPOLIS, MINN. L-asparaginase enzymology—Side effects of chemotherapy (bacteria).	P01CA-14599-01 0029 (CAP) MORAN, EDGAR M. University of Chicago Cancer Research Center—Treatment of metastatic breast cancer (human).
R01CA-14551-02 (CBV) RYSER, HUGUES J, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Penetration of macromolecules into mammalian cells.	P01CA-14599-01 0030 (CAP) LEVIN, BERNARD. University of Chicago Cancer Research Center—Cancer vulnerability in ulcerative and granulomatous colitis (human).
R26CA-14555-02 (SRC) SANDBERG, AVERY A, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Chromosomes of human bladder tumors.	P01CA-14599-01 0031 (CAP) ROCHMAN, HYMAN. University of Chicago Cancer Research Center—Distribution of CEA in diagnostic and immunologic studies (human, rodents).
R26CA-14556-02 (SRC) SHAH, KIBERTI V, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Human bladder tumors and papovaviruses.	P01CA-14599-01 0032 (CAP) KRAFT, SUMNER C. University of Chicago Cancer Research Center—Immunological studies in ulcerative colitis (human).
R10CA-14557-01 (CCI) MILLER, DENIS R, NEW YORK HOSPITAL, 525 EAST 68TH STREET, NEW YORK, N Y. Children's cancer study group A.	P01CA-14599-01 0033 (CAP) LEVIN, BERNARD. University of Chicago Cancer Research Center—Comprehensive therapy of metastatic colon and rectal cancer (human).
R01CA-14562-02 (MIB) PRESSMAN, DAVID, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Immunomodification of immune response and tumor growth (mice, rabbits).	P01CA-14599-01 0004 (CAP) DEGROOT, LESLIE J. University of Chicago Cancer Research Center—Prevention, detection and control of radiation induced thyroid cancer.
R10CA-14568-02 (CCI) GODFREY, THOMAS E, LOMA LINDA UNIVERSITY, LOMA LINDA, CALIF. Western cancer study group.	P01CA-14599-01 0005 (CAP) PANG, BAWLY JO-MING. University of Chicago Cancer Research Center—Neoplasia in childhood—Neuroblastoma.
R10CA-14571-02 (CCI) COX, CLAIR E, UNIVERSITY OF TENNESSEE, 800 MADISON AVENUE, MEMPHIS, TENN. Surgical adjuvant renal cell carcinoma (human).	P01CA-14599-01 0036 (CAP) PANHA, SANDRA. University of Chicago Cancer Research Center—Childhood leukemia studies.
R01CA-14572-02 (VR) NEWBOLD, JOHN E, UNIVERSITY OF NORTH CAROLINA, DEPT OF BACTERIOL & IMMUNOL, CHAPEL HILL, N C. Characterization of specific fragments of SV40 DNA.	P01CA-14599-01 0037 (CAP) KIRSTEN, WERNER H. University of Chicago Cancer Research Center—Neoplasia in childhood—Cell susceptibility to transformation.
R01CA-14576-02 (HEM) SEIGEL, GEORGE B, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Energy metabolism and leukemic lymphocytes (human).	P01CA-14599-01 0028 (CAP) PEARSON, DONALD. University of Chicago Cancer Research Center—Comprehensive approach to glioma therapy (dogs, rats, human).
P01CA-14599-01 (CAP) ULTMANN, JOHN E, THE UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. University of Chicago Cancer Research Center.	P01CA-14599-01 0029 (CAP) VESSELINOVITCH, STAN D. University of Chicago Cancer Research Center—CNS carcinogenesis and development of animal models (rats, mice).
P01CA-14599-01 0001 (CAP) ROIZMAN, BERNARD. University of Chicago Cancer Research Center—Role of Herpes virus in human cancer.	P01CA-14599-01 0040 (CAP) SONEK, MOJIB. University of Chicago Cancer Research Center—Management of ovarian carcinoma (human).
P01CA-14599-01 0002 (CAP) STRAUSS, BERNARD S. University of Chicago Cancer Research Center—Human lymphocyte proliferation and EBV induction—Abnormal viral DNA replication.	P01CA-14599-01 0041 (CAP) GRIMM MELVIN L. University of Chicago Cancer Research Center—Fast neutron radiation therapy of cancer (human, dogs, mini-swine, hamster).
P01CA-14599-01 0002 (CAP) STRAUSS, BERNARD S. University of Chicago Cancer Research Center—Human lymphocyte proliferation and EBV induction—Lymphocyte growth potential.	R01CA-14609-02 (MAY) GRINNELL, FREDERICK, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Adhesion of normal and malignant mammalian cells (hamsters).
P01CA-14599-01 0005 (CAP) COHEN, EDWARD P. University of Chicago Cancer Research Center—Immunity and neoplastic disease (mice, chickens, human).	R01CA-14615-01 (MCHA) HYNES, JOHN B, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Synthesis and evaluation of new folate antagonists.
P01CA-14599-01 0005 (CAP) GROSS, NICHOLAS, J. University of Chicago Cancer Research Center—Approach to immunotherapy of lung cancer (human).	R01CA-14617-01 (MCHB) CORBETT, MICHAEL D, UNIVERSITY OF MISSISSIPPI, SCHOOL OF PHARMACY, UNIVERSITY, MISS. Thiamine mediated formation of hydroxamic acids.
P01CA-14599-01 0008 (CAP) MOSCONA, ARON A. University of Chicago Cancer Research Center—Cell surface and cellular interaction in growth and differentiation (mammals).	R01CA-14618-01 (VR) MAYOR, HEATHER D, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Growth and maturation of adeno-associated satellite viruses.
P01CA-14599-01 0009 (CAP) SWIFT, HEWSON, H. University of Chicago Cancer Research Center—DNA replication in normal and transformed cells (mice, Drosophila).	R01CA-14620-02 (VR) STEINHART, WILLIAM L, MILTON S HERSHEY MEDICAL CTR, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA. Mechanisms of oncogenic virus gene expression (rabbits).
P01CA-14599-01 0010 (CAP) ANDERSON, WINSTON A. University of Chicago Cancer Research Center—Induction of erythropoiesis by murine erythroblastosis virus (mice).	P02CA-14626-01 (CAP) POTTER, JOHN F, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C. Vincent T Lombardi cancer research center.
P01CA-14599-01 0011 (CAP) ESPOSITO, MICHAEL. University of Chicago Cancer Research Center—DNA metabolism and DNA binding proteins of yeast meiosis.	R01CA-14630-02 (MAY) SCOTT, JESSE F, MASSACHUSETTS GENERAL HOSPITAL, HUNTINGTON LABORATORIES, BOSTON, MASS. Turnover of ribosomal RNA in virus transformed cells.
P01CA-14599-01 0012 (CAP) KAUFFMAN, STUART. University of Chicago Cancer Research Center—Control of temporal order of eukaryote DNA synthesis (slime molds).	R01CA-14638-02 (END) HALL, PETER F, UNIVERSITY OF CALIFORNIA, CALIFORNIA COLLEGE OF MEDICINE, IRVINE, CALIF. An adrenal tumor—Cytochrome P.450 and steroidogenesis (mice).
P01CA-14599-01 0013 (CAP) MARTIN, TERENCE E. University of Chicago Cancer Research Center—Ribonucleoprotein complexes in cell nuclei (mice).	R26CA-14648-01 (SRC) WAISMAN, JERRY J, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Epithelial stypia and cancer of the urinary bladder (human).

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- RO1CA-14650-01 (PTHA) DAS, GOPAL D, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Experimental brain tumors-Developmental studies (rats).
- RO1CA-14651-01 (PTHA) SIGNER, DARELL D, DUKE UNIVERSITY, POST OFFICE BOX 3156, DURHAM, N C. Immunocytochemistry of glial brain tumor cells (rats, rabbits, human).
- RO1CA-14655-01 (PTHB) BODEL, PHYLLIS T, YALE UNIVERSITY SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Fever in malignant diseases (human).
- RO1CA-14656-02 (ET) MEDOFF, GERALD, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Polyes as antitumor agents (mice).
- RO1CA-14658-02 (PHRB) FINKLESTEIN, JERRY Z, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Murine model for neuroblastoma chemotherapy in man.
- RO1CA-14659-02 (ET) GRANDJEAN, CARTER J, UNIVERSITY OF NEBRASKA, 42ND & DEWEY AVENUE, OMAHA, NEBR. Nitrosamines-Mechanisms of metabolism and mode of action.
- RO1CA-14661-02 (ET) SCHWARTZ, ARTHUR G, FELS RESEARCH INSTITUTE, TEMPLE UNIVERSITY, PHILADELPHIA, PA. Actions of hydrocarbon carcinogens on cultured cells.
- RO1CA-14668-01 (RAD) SIGSTAD, CURTIS P, UNIV OF LOUISVILLE, 500 SOUTH FLOYD STREET, LOUISVILLE, KY. Radiation protectors as adjunct to radiotherapy (rabbits).
- RO1CA-14669-01 (RAD) HAYES, RAYMOND L, OAK RIDGE ASSOCIATED UNIV, POST OFFICE BOX 117, OAK RIDGE, TENN. ORAL-ORNL study of carbon-11 in nuclear medicine (human, mammals).
- RO1CA-14670-02 (VR) OZER, HARVEY L, WORCESTER FDN-EXP BIOLOGY, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Host functions related to tumor virus infection.
- RO1CA-14673-01 (ALY) PARKER, JOHN W, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Periodate induced lymphocyte transformation.
- RO1CA-14674-02 (BIO) MOUNT, MARK S, DEPT OF PLANT PATHOLOGY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Involvement of bacterial RNA polymerase in crown gall (bread bean).
- RO1CA-14675-02 (CBY) BRINKLEY, B R, DIV OF CELL BIOLOGY, UNIVERSITY OF TEXAS MED BRANCH, GALVESTON, TEX. Mitosis in normal and neoplastic cells (human, rodents, birds, insects).
- RO1CA-14676-01 (CBY) BRINSTER, RALPH L, 530 LIPPINCOTT BUILDING, 25TH & LOCUST STREETS, PHILADELPHIA, PA. Regulation of cancer cell development (mice).
- RO1CA-14678-02 (CCI) FRELICK, ROBERT W, WILMINGTON MEDICAL CENTER, CARPENTER MEMORIAL CLINIC, WILMINGTON, DEL. Central Oncology Group.
- RO1CA-14679-02 (HEM) BRECHER, GEORGE, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Hemopoietic differentiation and myelofibrosis (mice, rats).
- RO1CA-14680-01 (GEN) MAHER, VERONICA M, MICHIGAN CANCER FDN, 4811 JOHN R STREET, DETROIT, MICH. Role of mutagenesis in chemical carcinogenesis.
- RO1CA-14689-01 (ET) SARMA, D S, TEMPLE UNIVERSITY, 3420 N BROAD STREET, PHILADELPHIA, PA. Repair and replication of liver DNA in chemical carcinogenesis.
- RO1CA-14692-02 (MIB) COOPER, NEN R, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Cancer cell survival and mechanisms of cytotoxicity (human, mice).
- RO1CA-14693-02 (MIB) DODD, MATTHEW C, DEPARTMENT OF MICROBIOLOGY, 484 W 12TH AVENUE, COLUMBUS, OHIO. RNA mediated abrogation of lung cancer induced anergy (human, guinea pigs).
- RO1CA-14694-02 (MIB) KAHAN, BARRY D, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. An immunologic approach to trophoblastic neoplasia (human).
- RO1CA-14697-02 (PTHB) POLLACK, SYLVIA B, UNIVERSITY OF WASHINGTON, MICROBIOLOGY DEPT SC-15, SEATTLE, WASH. Specific anti-tumor activity by 'armed' lymphoid cells (mice).
- RO1CA-14700-01 (PTHB) CENEDELLA, RICHARD J, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, MORGANTOWN, W VA. Lipolytic activity in tumor cells (rats Walker 256 ascites tumor).
- RO1CA-14701-01 (RAD) KRAMER, SIMON, THOMAS JEFFERSON UNIV HOSP, DEPT-RAD THERAPY & NUCLEAR MED, PHILADELPHIA, PA. Effect of age on radiation-induced pulmonary fibrosis (rats).
- RO1CA-14703-01 (EDC) PHILLIPS, ROLAND L, SCHOOL OF PUBLIC HEALTH, LOMA LINDA UNIVERSITY, LOMA LINDA, CALIF. Epidemiology of cancer in Adventists-A low risk group (human).
- RO1CA-14704-02 (EDC) PFEIFFER, CARL J, FACULTY OF MEDICINE, MEMORIAL UNIV OF NEWFOUNDLAND, NEWFOUNDLAND, CANADA, A1C 5. Epidemiology of gastric cancer in Newfoundland.
- RO1CA-14705-01 (END) ESKIN, BERNARD A, MEDICAL COLLEGE OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Radioiodine uptake and imaging in the human breast.
- RO1CA-14708-02 (PTHB) NEAVES, WILLIAM B, TEXAS U SOUTHWESTERN MED SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Fine structural analysis of androgenic tumor cells (mice).
- RO1CA-14710-02 (PTHB) STENBACK, FRED G, UNIVERSITY OF NEBRASKA, 42ND AND DEWEY AVENUE, OMAHA, NEBR. Irreversibility of latent tumor cells (mice).
- RO1CA-14713-02 (BIO) PESSINDEN-RADEN, JUNE M, CORNELL UNIVERSITY, BIOCHEM & MOLECULAR BIOLOGY, ITHACA, N Y. Adrenal cyclase in normal and cancer cells (mammals).
- RO1CA-14715-01 (VR) PITRELLI, MARY P, CLEVELAND METROPOL GEN HOSP, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Spontaneous mouse hepatomas and latent MHV virus.
- R26CA-14716-02 (BP) MURPHY, GERALD P, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. National prostatic cancer project.
- PO1CA-14718-01 (CAP) WHITE, JACK E, HOWARD UNIVERSITY, COLLEGE OF MEDICINE, WASHINGTON, D C. Howard University cancer core grant.
- PO1CA-14720-02 (SRC) MORPIT, H MASON, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Exploratory studies in cancer research (human).
- RO1CA-14722-02 (RAD) OLIVER, GEORGE D JR, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Pion cancer therapy.
- RO1CA-14722-02 0001 (RAD) OLIVER, GEORGE D JR. Pion cancer therapy-Quality of meson fields.
- RO1CA-14722-02 0002 (RAD) OLIVER, GEORGE D JR. Pion cancer therapy-Multiwire proportional counters for treatment volume visualization.
- PO1CA-14723-02 (CAP) BENACERRAF, BARUJ, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Experimental cancer immunology.
- PO1CA-14723-02 0001 (CAP) BENACERRAF, BARUJ. Experimental cancer immunology-Enhancing cellular immunity to transplantation antigen (guinea pigs, rats, mice).
- PO1CA-14723-02 0002 (CAP) BENACERRAF, BARUJ. Experimental cancer immunology-Cytolysis of malignant target cells (mice).
- PO1CA-14723-02 0003 (CAP) BENACERRAF, BARUJ. Experimental cancer immunology-Specific histocompatibility linked IR genes on specific tumor immunity (mice).
- PO1CA-14723-02 0006 (CAP) KATZ, DAVID H. Experimental cancer immunology-Non-specific augmentation of tumor-specific immunity (rats, mice, hamsters).
- PO1CA-14723-02 0005 (CAP) KATZ, DAVID H. Experimental cancer immunology-Isolation of Hodgkin's disease tumor-associated antigen (human).
- PO1CA-14723-02 0004 (CAP) KARNOVSKY, MORRIS J. Experimental cancer immunology-Macromolecules on cell surfaces (mice).
- PO1CA-14723-02 0007 (CAP) UNANUE EMIL R. Experimental cancer immunology-Role of mononuclear phagocytes in tumor immunity (mice).
- PO1CA-14723-02 0008 (CAP) PIERCE CARL W. Experimental cancer immunology-Tumor-specific immunity in vitro (mice).
- PO1CA-14723-02 0009 (CAP) DIAMANTOPOULOS, GEORGE TH. Experimental cancer immunology-Specialized functions of neoplastic hamster lymphoid cells.
- RO1CA-14727-01 (END) LEE, CHUNG, NORTHWESTERN UNIV MEDICAL SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Estrogen action on DMBA-induced mammary tumor (rats).
- RO1CA-14729-02 (PHRB) GESSNER, TERESA, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Detoxication pathways in normal and neoplastic tissues (rats).
- RO1CA-14730-01 (PTHB) MATIOLI, GASTONE, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Virus induced leukemic stem cells in mice.
- PO1CA-14733-02 (CAP) MARCUS, PHILIP I, UNIVERSITY OF CONNECTICUT, STORRS, CONN. Control of gene expression, virus replication and cell growth.
- PO1CA-14733-02 0001 (CAP) MARCUS, PHILIP I. Control of gene expression, virus replication and cell growth-Interferon-mechanism of action.
- PO1CA-14733-02 0002 (CAP) COLBY, CLARENCE JR. Control of gene expression, virus replication and cell growth-Double-stranded RNA in vaccinia-infected cells.
- PO1CA-14733-02 0003 (CAP) COLBY, CLARENCE, JR. Control of gene expression, virus replication and cell growth-Interferon induction and action in interspecies hybrids (human, mice).
- PO1CA-14733-02 0004 (CAP) COLBY, CLARENCE JR. Control of gene expression, virus replication and cell growth-Transcription in interferon-induced antiviral activity (chickens, mice).
- PO1CA-14733-02 0005 (CAP) COLBY, CLARENCE JR. Control of gene expression, virus replication and cell growth-Viral-resistant mutants of cultured mouse cells.
- PO1CA-14733-02 0006 (CAP) ENGELHARDT, DEAN L. Control of gene expression, virus replication and cell growth-Measurements of the secondary structure of RNA.
- PO1CA-14733-02 0007 (CAP) ENGELHARDT, DEAN L. Control of gene expression, virus replication and cell growth-Molecular basis of interferon induced antiviral activity (chick embryo).
- PO1CA-14733-02 0008 (CAP) ENGELHARDT, DEAN L. Control of gene expression, virus replication and cell growth-Protein synthesis in density inhibited animal cells.
- PO1CA-14733-02 0009 (CAP) ENGELHARDT, DEAN L. Control of gene expression, virus replication and cell growth-Biosynthesis of proteins during mitosis (tissue culture).
- PO1CA-14733-02 0010 (CAP) ENGELHARDT, DEAN L. Control of gene expression, virus replication and cell growth-Proteins biosynthesis in serum-deprived cells.
- PO1CA-14733-02 0011 (CAP) GOETINCK, PAUL F. Control of gene expression, virus replication and cell growth-Skin and cartilage development (avian embryo).
- PO1CA-14733-02 0012 (CAP) HERRMANN, HEINZ. Control of gene expression, virus replication and cell growth-Muscle development (chick embryo).
- PO1CA-14733-02 0013 (CAP) HEYWOOD, STUART M. Control of gene expression, virus replication and cell growth-Differentiation of muscle cells (mammals).
- PO1CA-14733-02 0014 (CAP) KRIDER, HALLIE M. Control of gene expression, virus replication and cell growth-Genetics and cell biology.
- PO1CA-14733-02 0015 (CAP) LUCAS-LENARD, JEAN. Control of gene expression, virus replication and cell growth-Protein synthesis in virus-infected cells (human).
- PO1CA-14733-02 0016 (CAP) LUCAS-LENARD, JEAN. Control of gene expression, virus replication and cell growth-Mengovirus proteins from large precursor polypeptides (human).
- PO1CA-14733-02 0017 (CAP) LUCAS-LENARD, JEAN. Control of gene expression, virus replication and cell growth-Ribosomal proteins and protein elongation factors (mammals).
- PO1CA-14733-02 0018 (CAP) ROTH, JAY S. Control of gene expression, virus replication and cell growth-Ribonuclease activity and TTP synthesis (rats).
- PO1CA-14733-02 0019 (CAP) SPEYER, JOSEPH F. Control of gene expression, virus replication and cell growth-Mutagenic DNA and RNA polymerase in phage T4.
- PO1CA-14733-02 0020 (CAP) KOLAKOPSKY, DANIEL. Control of gene expression, virus replication and cell growth-Molecular mechanisms of virus replication.
- PO1CA-14733-02 0021 (CAP) SMITH DIANA B. Control of gene expression, virus replication and cell growth-Genetics of somatic mammalian cells (hamsters).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01CA-14733-02 0022 (CAP) SONNABEND, JOSEPH A.** Control of gene expression, virus replication and cell growth—Mechanisms of interferon action and viral protein synthesis.
- P01CA-14733-02 0023 (CAP) WARRINGTON, ROBERT C.** Control of gene expression, virus replication and cell growth—Protein-nucleic acid interactions (mammals).
- R01CA-14750-02 (ET) SCHWARTZ, HERBERT S, ROSWELL PARK MEM INST, 666 ELM ST, BUFFALO, N Y.** Cytotoxic selectivity of anticancer drugs (mice, hamsters, rats).
- R01CA-14758-01 (END) MONEY, WILLIAM L, UNIVERSITY OF ARKANSAS, DEPARTMENT OF ZOOLOGY, FAYETTEVILLE, ARK.** The ultimobranchial body and thyroid tumors (rats, birds).
- R01CA-14766-02 (PTHB) SHUBIK, PHILIPPE, UNIVERSITY OF NEBRASKA, 42 & DEWEY, OMAHA, NEBR.** Studies in tumor angiogenesis and invasiveness (hamster cheek pouch).
- R01CA-14768-01 (ET) FUJIMANN, RUTH A, CANCER RESEARCH LABORATORIES, 89-15 WOODHAVEN BOULEVARD, WOODHAVEN, N Y.** Immunological parameters of spontaneous murine cancer (mice).
- R01CA-14770-01 (RAD) MUGGIA, FRANCO M, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y.** Human tumor cell kinetics—Effect of treatment.
- R01CA-14771-01 (RAD) KLINGLER, EUGENE L, JR, VETERANS ADMINISTRATION HOSP, 2100 RIDGECREST DRIVE, S E, ALBUQUERQUE, N MEX.** Radiation nephritis in a nonhuman primate (Macaca).
- R01CA-14774-01 (ET) ZUCKER, ROBERT M, PAPANICOLAOU CANCER RES INST, 1155 NW 14TH STREET, MIAMI, FLA.** Buoyant density studies on leukemic cells.
- R01CA-14775-02 (PTHB) PIERCE, GEORGE E, UNIVERSITY OF KANSAS, 39TH AND RAINBOW AVENUE, KANSAS CITY, KANS.** Tumor immunity related to clinical course and therapy (human).
- R01CA-14777-01 (IMB) LUCAS, ZOLTAN J, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, STANFORD, CALIF.** Analysis of host response to tumor oncogenesis (mice).
- R01CA-14780-02 (MBY) HOCHSTADT, JOY, WORCESTER FDN FOR EXP BIOL INC, 222 MAPLE AVENUE, SHREWSBURY, MASS.** Transport by membrane vesicles of cultured tumor cells.
- R01CA-14782-02 (PTHB) BARTLETT, GERALD L, DEPT OF PATHOLOGY, THE MILTON S HERSHEY MED CTR, HERSHEY, PA.** Antigenic strength of non-viral tumors (mice).
- R01CA-14783-02 (PTHB) RUSSELL, DIANE H, UNIVERSITY OF ARIZONA, 1501 N CAMPBELL AVE, TUCSON, ARIZ.** Polyamine metabolism in cancer and cancer chemotherapy (mice).
- R01CA-14784-01 (PTHB) EDWARDS, GORDON S, GEORGE WASHINGTON UNIVERSITY, 2300 EYE STREET, N W, WASHINGTON, D C.** Carcinogen effects on nuclear proteins (rats).
- R01CA-14787-01 (VR) LEIS, JONATHAN P, ALBERT EINSTEIN COLLEGE OF MED, DEPT OF DEVELOP BIO & CANCER, BRONX, N Y.** Transcription and translation of tumor virus RNA.
- R01CA-14790-02 (VR) FARAS, ANTHONY J, UNIVERSITY OF MICHIGAN, 6643 MED SCIENCE BLDG II, ANN ARBOR, MICH.** RNA-directed DNA polymerase and 70S RNA of oncornaviruses.
- R01CA-14792-02 (VR) ORTH, DAVID N, VANDERBILT UNIVERSITY, DEPT OF MEDICINE, NASHVILLE, TENN.** Radioimmunoassay of mammalian oncornavirus antigens (human, rodents).
- R01CA-14794-01 (VR) MACDONALD, A BRUCE, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS.** Immune response to oncogenic herpesviruses in monkeys.
- R01CA-14797-01 (PTHA) JOHNSON, LEWIS D, DEPT OF PATHOLOGY, EMORY UNIVERSITY SCHOOL OF MED, ATLANTA, GA.** Epithelial basement membrane components (mice).
- R01CA-14799-01 (RAD) BRENT, THOMAS P, ST JUDE CHILDREN'S RES HOSP, 332 N LAUDERDALE, P O BOX 318, MEMPHIS, TENN.** Role of a human cell endonuclease in repair of DNA.
- P01CA-14801-02 (CAP) CARTER, WILLIAM A, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y.** Chemotherapy and regulation of oncogenic viruses.
- P01CA-14801-02 0001 (CAP) CARTER, WILLIAM A.** Chemotherapy and regulation of oncogenic viruses—Development of selective viral inhibitors (human).
- P01CA-14801-02 0002 (CAP) CARTER, WILLIAM A.** Chemotherapy and regulation of oncogenic viruses—Novel nucleoside analogs as antiviral compounds.
- P01CA-14801-02 0003 (CAP) CARTER, WILLIAM A.** Chemotherapy and regulation of oncogenic viruses—Friend virus and murine erythroid precursor cell differentiation (mice).
- P01CA-14801-02 0004 (CAP) POTHIER, LILLIAN.** Chemotherapy and regulation of oncogenic viruses—Ala-S activity friend disease—Antiviral drug effect.
- P01CA-14801-02 0005 (CAP) MUNYON, WILLIAM.** Chemotherapy and regulation of oncogenic viruses—Recombination between herpes simplex virus and mammalian cell genome.
- P01CA-14801-02 0006 (CAP) BUFFETT, RITA F.** Chemotherapy and regulation of oncogenic viruses—Control of oncornavirus expression (human, mice).
- P01CA-14801-02 0007 (CAP) ZIEGEL, ROBERT F.** Chemotherapy and regulation of oncogenic viruses—EM of virus in witch's milk from nursing infants (human, monkeys).
- P01CA-14801-02 0008 (CAP) POTHIER, LILLIAN.** Chemotherapy and regulation of oncogenic viruses—Chromosomal protein—Changes associated with oncornavirus infection.
- P01CA-14801-02 0009 (CAP) MANLY, KENNETH F.** Chemotherapy and regulation of oncogenic viruses—Sequences in nucleic acids of RNA tumor viruses.
- P01CA-14801-02 0010 (CAP) MANLY, KENNETH F.** Chemotherapy and regulation of oncogenic viruses—Cellular control of production of RNA tumor viruses.
- P01CA-14801-02 0011 (CAP) KRISKO, ISTVAN.** Chemotherapy and regulation of oncogenic viruses—Molecular aspects of tumor immunology (human, mice, rats).
- P01CA-14801-02 0012 (CAP) BUFFETT, RITA F.** Chemotherapy and regulation of oncogenic viruses—Antiviral agents and immunotherapy in murine leukemia.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01CA-14801-02 0013 (CAP) EVANS, MARY JO.** Chemotherapy and regulation of oncogenic viruses—DNA polymerase in murine tissues.
- R01CA-14815-01 (ALY) RISTOW, SANDRA S, UNIVERSITY OF MINNESOTA, HEALTH SCIENCES CTR BOX 85, MINNEAPOLIS, MINN.** Purification and characterization tumor specific antigen (human, mice).
- R01CA-14817-02 (BBCB) HOLLIS, DONALD P, JOHNS HOPKINS SCHOOL OF MED, 725 NORTH WOLFE STREET, BALTIMORE, MD.** Cancer diagnosis by magnetic resonance (humans, mice).
- R01CA-14821-02 (MBY) SIRBASKU, DAVID A, UNIVERSITY OF TEXAS, 102 JESSE JONES LIBRARY BLDG, HOUSTON, TEX.** Steroid hormone control of tumor cell growth in vitro (hamsters).
- R01CA-14825-02 (ET) ZACKHEIM, HERSCHEL S, UNIVERSITY OF CALIFORNIA, DEPT OF DERMATOLOGY, 1096 HSE, SAN FRANCISCO, CALIF.** Topical nitrosoureas in mycosis fungoides (mice).
- R01CA-14826-02 (PTHB) CAVALIERI, BRIGOLE L, EPPLEY INST FOR RES IN CN, 42ND & DEWEY AVE, OMAHA, NEBR.** Quantitative study of carcinogenesis by hydrocarbons (mice).
- R01CA-14827-01 (PTHB) PAPATESTAS, ANGELOS E, MOUNT SINAI HOSPITAL, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y.** The effects of thymectomy in oncogenesis in humans.
- R01CA-14828-01 (PTHB) CALVIN, MELVIN, LAWRENCE BERKELEY LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.** Molecular mechanisms in carcinogenesis.
- R01CA-14828-01 0001 (PTHB) CALVIN, MELVIN.** Molecular mechanisms in carcinogenesis—In vitro transformation of mammalian cells.
- R01CA-14828-01 0002 (PTHB) CALVIN, MELVIN.** Molecular mechanisms in carcinogenesis—Cell cycle analysis of normal and malignant cells.
- R01CA-14828-01 0003 (PTHB) CALVIN, MELVIN.** Molecular mechanisms in carcinogenesis—Membrane properties of normal and malignant cells.
- R01CA-14828-01 0004 (PTHB) CALVIN, MELVIN.** Molecular mechanisms in carcinogenesis—Metabolic regulation in normal and malignant cells.
- R01CA-14828-01 0005 (PTHB) CALVIN, MELVIN.** Molecular mechanisms in carcinogenesis—RNA-instructed DNA polymerases and other nucleic acid polymerases (rats).
- R01CA-14832-02 (BBCB) MARTIN, R BRUCE, UNIVERSITY OF VIRGINIA, MC CORMICK ROAD, CHARLOTTESVILLE, VA.** Antitumor complexes.
- R01CA-14835-02 (PC) KORN, DAVID, STANFORD MEDICAL CENTER, DEPT OF PATHOLOGY, ROOM L-235, STANFORD, CALIF.** DNA polymerases in normal and neoplastic human cells.
- R01CA-14839-01 (ET) BENJAMINI, ELIEZER, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICAL MICROBIOLOGY, DAVIS, CALIF.** Induction of specific cell mediated immunity to neoplasia (guinea pigs).
- R01CA-14840-01 (SSS) VAN LANCKER, JULIEN L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PATHOLOGY, LOS ANGELES, CALIF.** Pathogenesis of liver cancer, the role of repair (rats).
- R01CA-14846-02 (IMB) PILCH, YOSIEF M, VETERANS ADMINISTRATION HOSP, 16111 PLUMMER AVENUE, SEPULVEDA, CALIF.** Mechanism of action of antitumor immune RNA (rodents).
- R01CA-14854-01 (PC) ALLEN, HOWARD J, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y.** Cancer cell surface glycoproteins (mice, human).
- R01CA-14864-01 (PTHB) VOGLER, WILLIAM R, EMORY UNIVERSITY, 712 WOODRUFF MEMORIAL BLDG, ATLANTA, GA.** Leukocyte transfusions and immunotherapy in leukemia.
- R01CA-14868-02 (BIO) WALL, RANDOLPH, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF.** Messenger RNA biogenesis in virus transformed cells (rats).
- R01CA-14872-01 (PTHB) KLAVINS, JANIS V, I I JEWISH HILLSIDE MED CTR, 82-68 164TH ST, JAMAICA, N Y.** Embryonic components in cancer and pathologic tissues (human, rabbits).
- R01CA-14874-01 (PTHB) KAUFFMAN, SHIRLEY L, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y.** Pulmonary carcinogenesis in fetal and neonatal lung (mice).
- R01CA-14876-02 (RAD) GOH, KONG-OO, MONROE COMMUNITY HOSPITAL, 435 EAST HENRIETTA ROAD, ROCHESTER, N Y.** Cell mediated immunological defects in man after irradiation.
- P01CA-14878-01 (SRC) DAS GUPTA, TAPAS K, UNIVERSITY OF ILLINOIS, POST OFFICE BOX 6998, CHICAGO, ILL.** Exploratory studies in cancer research.
- R01CA-14881-02 (BIO) SHIMAN, ROSS, DEPT OF BIOLOGICAL CHEMISTRY, THE MILTON S HERSHEY MED CTR, HERSHEY, PA.** Regulation of tyrosine synthesis in hepatoma cells (rats).
- R01CA-14885-01 (VR) FAREED, GEORGE C, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS.** Simian virus 40 DNA replication and transformation.
- R01CA-14888-01 (PTHB) ALEXANDER, E RUSSELL, UNIVERSITY OF WASHINGTON, DEPT OF EPIDEMIOLOGY SC-36, SEATTLE, WASH.** Herpes genitalis in the adolescent vs mature monkey.
- R01CA-14894-01 (VR) APPLE, MARTIN A, UNIVERSITY OF CALIFORNIA, 1282 MOFFITT HOSPITAL, SAN FRANCISCO, CALIF.** Drugs preventing oncoma virus cancers—Anthracyclines.
- R01CA-14896-01 (ET) HECHT, SIDNEY M, MASSACHUSETTS INST OF TECH, DEPT OF CHEMISTRY, ROOM 18-407, CAMBRIDGE, MASS.** Growth hormones—Regulatory effects in animals.
- R01CA-14898-02 (SSS) KIRSTEN, WERNER H, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL.** Transformation of human cells (rats, hamsters).
- R01CA-14904-02 (PTHB) EPSTEIN, SHELDON M, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND.** The role of the hyperplastic liver nodule in carcinogenesis (rats).
- R26CA-14905-02 (SRC) KIM, YOUNG S, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF.** Glycoprotein metabolism in colonic neoplasia (human, rats).
- R26CA-14906-02 (SRC) BALIS, M EARL, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y.** Enzymes of normal and malignant intestinal mucosa (rats, human).
- R26CA-14907-02 (SRC) BASERGA, RENATO L, TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA.** Synchronization of cells in vivo (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R26CA-14908-02 (SRC) ALLFREY, VINCENT G, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Nuclear proteins in carcinogenesis of the colon (mammals, nonhuman).

R01CA-14910-02 (PTHA) POLLAY, MICHAEL, UNIVERSITY OF NEW MEXICO, 915 STANFORD DRIVE, N E, ALBUQUERQUE, N MEX. Transcapillary exchange in experimental brain tumors (dogs).

R01CA-14912-09 (MCHA) MOSS, ROBERT A, RUTGERS UNIVERSITY, SCHOOL OF CHEMISTRY, NEW BRUNSWICK, N J. Syntheses of elaiomycin and other azoalkanes.

R01CA-14914-01 (MET) GILBERTSON, JOHN R, UNIVERSITY OF PITTSBURGH, PHARM-PHYSIOLOGY DEPT, PITTSBURGH, PA. Lipids in cancerogenesis (rats).

R01CA-14916-02 (EDC) SCHNEIDER, ROBERT, UNIVERSITY OF CALIFORNIA, DEPT OF EPIDEMIO & PREV MED, DAVIS, CALIF. Animal neoplasm registry.

R26CA-14917-02 (SRC) TSUBOI, KENNETH K, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Pyrimidine synthesis and cellular proliferation in colon (mammals, nonhuman).

R26CA-14919-02 (SRC) BALISH, EDWARD, UNIVERSITY OF WISCONSIN, 185 MEDICAL SCIENCE BUILDING, MADISON, WIS. The etiology of large bowel cancer (human, rats).

R01CA-14920-02 (ET) SPELSBERG, THOMAS C, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Acidic chromatin proteins and carcinogens (rats, chickens).

R01CA-14922-01 (IMB) CERNY, JAM, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Transplantation and genetic expression (mice).

R26CA-14924-02 (SRC) SJOGREN, HANS O, UNIVERSITY OF LUND, FACK 7031 223 62 LUND, SWEDEN, 5-220 07. Immunity to colonic carcinomas in rats and man.

R26CA-14925-02 (SRC) PIERCE, EDWARD R, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Families at high risk of colorectal cancer.

R26CA-14926-02 (SRC) VERGARA, JUAN, DUKE UNIVERSITY, POST OFFICE BOX 2977, DURHAM, N C. Ultrastructure of normal and neoplastic urothelium (human).

R26CA-14927-02 (SRC) RADOMSKI, JACK L, UNIVERSITY OF MIAMI, P O BOX 520875, MIAMI, FLA. Environmental bladder carcinogens (human).

R01CA-14928-10 (IMB) MELLORES, ROBERT C, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70 STREET, NEW YORK, N Y. C-type RNA virus and immunopathology (mice).

R26CA-14930-02 (SRC) BONAR, ROBERT A, VETERANS ADMINISTRATION HOSP, 508 FULTON STREET, DURHAM, N C. RNA in normal and neoplastic urothelial cells (human).

R01CA-14935-02 (VR) HANAFUSA, HIDESABURO, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Cellular alteration induced by Rous sarcoma virus.

R01CA-14936-02 (VR) HANAFUSA, TERUKO, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Role of host cells in virus induced tumors (chickens).

R01CA-14939-02 (VR) VETHEMIA, SATVIR S, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Biology of SV40 specific transplantation antigen (mice, hamsters).

R10CA-14940-01 (CCI) PAULSON, DAVID F, DUKE UNIVERSITY, POST OFFICE BOX 2977, DURHAM, N C. Cooperative study-radiotherapy of prostatic cancer.

R01CA-14941-01 (EDC) MC GOWAN, LARRY, GEORGE WASHINGTON UNIVERSITY, 2150 PENNSYLVANIA AVENUE, N W, WASHINGTON, D C. Epidemiologic study of primary cancer of the ovary (human).

R01CA-14944-02 (VR) BORMAN, GERALD S, NEW ENGLAND MEDICAL CTR HOSPS, 171 HARRISON AVE, BOX 112, BOSTON, MASS. Alterations of lymphocytes in Marek's disease (chickens).

R01CA-14953-01 (GEN) SOUPART, PIERRE, VANDERBILT UNIV, OBSTETRICS & GYNECOLOGY DEPT, NASHVILLE, TENN. Malignancy in mouse germ cell-Cancer cell hybrids.

R01CA-14955-02 (RRT) DA SILVA HORTA, JORGE, INST DE ANATOMIA PATOLOGICA, FACULDADE DE MEDICINA, LISBOA - 5 PORTUGAL. Follow-up study of thorast patients.

R26CA-14957-02 (SRC) SIGEL, MICHAEL M, UNIVERSITY OF MIAMI, P O BOX 520875, BISCAYNE ANNEX, MIAMI, FLA. Immunology of urinary bladder cancer of the dog.

R01CA-14960-01 (COM) KREIBELDT, JOHN G, TUFTS UNIVERSITY, COLLEGE OF ENGINEERING, MEDFORD, MASS. Computer control of radiation therapy cancer treatment.

R10CA-14963-01 (CCI) STRAWITZ, JOSEPH G, AMERICAN ONCOLOGIC HOSPITAL, CENTRAL & SHELMIER AVENUES, PHILADELPHIA, PA. Central oncology group.

R01CA-14968-01 (MCHA) GRIBBLE, GORDON W, DARTMOUTH COLLEGE, DEPARTMENT OF CHEMISTRY, HANOVER, N H. Synthesis of polynuclear aromatic hydrocarbons.

R01CA-14969-02 (RAD) SPENCER, RICHARD P, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Radionuclide studies of tumors and growth.

R01CA-14969-02 0001 (RAD) SPENCER, RICHARD P. Radionuclide studies of tumors and growth-Active site directed, gamma ray labeled, enzyme inhibitors (mammals, nonhuman).

R01CA-14969-02 0002 (RAD) LANGE, ROBERT C. Radionuclide studies of tumors and growth-Chemical studies of Tc 99m and its compounds.

R01CA-14969-02 0003 (RAD) LANGE, ROBERT C. Radionuclide studies of tumors and growth-Production of radionuclides for studying inorganic antitumor agents.

R01CA-14969-02 0004 (RAD) LANGE, ROBERT C. Radionuclide studies of tumors and growth-Cis-dichlorodiammine platinum as an antitumor agent (human, dogs, rabbits).

R01CA-14969-02 0005 (RAD) HARDER, HAROLD C. Radionuclide studies of tumors and growth-Molecular basis of action of cis-dichlorodiammine platinum (mammals nonhuman).

R01CA-14969-02 0006 (RAD) BRODY, KENNETH R. Radionuclide studies of tumors and growth-Microcrystalline colloids as a new tool in nuclear medicine.

R01CA-14969-02 0007 (RAD) CHASE, JOHN W. Radionuclide studies of tumors and growth-Radionuclides for bone studies.

R01CA-14969-02 0008 (RAD) LANGE, ROBERT C. Radionuclide studies of tumors and growth-The Ce 144-Pr 144 radionuclide generator.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01CA-14969-02 0009 (RAD) SPENCER, RICHARD P. Radionuclide studies of tumors and growth-Eye studies with radionuclides.

R01CA-14969-02 0010 (RAD) SPENCER, RICHARD P. Radionuclide studies of tumors and growth-Radiopharmaceuticals for investigating body fat mass (mammals nonhuman).

R01CA-14972-01 (SOYB) FISHER, BERNARD, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Surgical removal of primary tumors, immunity and metastases (mice).

R13CA-14973-01 (NSS) AMOS, D BERNARD, BOX 3010, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N C. Gordon conference on tumor immunology.

R01CA-14974-01 (EDC) WEISS, WILLIAM, PHILADELPHIA COUNTY MED SOC, 2100 SPRING GARDEN STREET, PHILADELPHIA, PA. Prognostic factors in lung cancer.

R26CA-14975-02 (SRC) REUBER, MELVIN D, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Carcinogenesis of large bowel cancer in animals.

R26CA-14976-01 (SRC) MARTINEZ, M ISIDRO, CANCER CONTROL PROGRAM, DEPARTMENT OF HEALTH, SANTURCE, PUERTO RICO. Cancer of the colon and rectum in Puerto Rico (human).

R01CA-14980-01 (ET) GEACINTOV, NICHOLAS E, NEW YORK UNIVERSITY, 4 WASHINGTON PL, RM 410, NEW YORK, N Y. Polycyclic carcinogen-nucleic acid interactions.

R01CA-14984-01 (ET) HERSH, EVAN M, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Immunological aspects of cancer prognosis.

R01CA-14985-02 (ET) ZEIDMAN, IRVING, UNIVERSITY OF PENNSYLVANIA, DEPT OF PATHOLOGY, PHILADELPHIA, PA. 5-Bromo-deoxyuridine effects on marrow and tumor cells (mice, rats).

R01CA-14986-01 (ET) HERSH, EVAN M, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Inhibitors of normal and malignant lymphoid tissue.

R01CA-14987-01 (ET) STEVENS, JOHN J, HOSPITAL FOR JOINT DISEASES, 1919 MADISON AVENUE, NEW YORK, N Y. Mechanism of cortisol-induced lymphoma regression.

R01CA-14989-01 (VR) WU, RAY, CORNELL UNIVERSITY, BIOCHEM, CELL & MOLEC BIO, ITHACA, N Y. Polyoma and SV40 tumor virus DNA sequence analysis.

R01CA-14991-02 (PTHB) LUPKIN, MARTIN, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Renewal of premalignant and malignant intestinal cells (human, hamsters).

R01CA-14992-01 (EDC) STEWARD, JAMES K, DEPTS OF CHILD HEALTH & PATH, MANCHESTER UNIVERSITY, MANCHESTER M13 9PL, ENGLAND. An epidemiological study of children's tumours.

R01CA-14993-01 (IMB) WEISS, LEONARD, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y 14203. Effect of immunologic factors on metastasis (mice).

R01CA-14995-01 (GEN) ALONI, YOSEF, WEIZMANN INSTITUTE OF SCIENCE, DEPARTMENT OF GENETICS, REHOVOT, ISRAEL. Control of gene expression in tumor viruses and cells (ducks, mammals, human).

R01CA-15000-01 (IMB) ALEXANDER, PETER, CHESTER BEATTY RESEARCH INST, BELMONT, SUTTON, SURREY, ENGLAND. Effect of tumor growth on the immune response (rats).

R01CA-15004-01 (MCHA) BOEKELHEIDE, VIRGIL C, UNIVERSITY OF OREGON, DEPARTMENT OF CHEMISTRY, EUGENE, OREG. Syntheses of potential antitumor and antiviral agents.

R01CA-15005-01 (MCHA) LIN, YING-TSUNG, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Rational modification of some antitumor agents (human).

R01CA-15006-01 (MCHA) BERGMAN, ROBERT G, CALIFORNIA INSTITUTE OF TECH, DEPT OF CHEMISTRY, PASADENA, CALIF. Chemistry of nonbenzenoid aromatic molecules.

R01CA-15009-01 (ET) GUTTERMAN, JORDAN U, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Cell-associated tumor immunity in acute leukemia.

R01CA-15010-01 (ET) THILLY, WILLIAM G, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Bioassay-in vitro models of human chemo-oncogenesis (human, rodents).

R01CA-15013-01 (CAP) KRABBENHOFT, KENNETH L, WAYNE STATE UNIVERSITY, 540 EAST CANFIELD, DETROIT, MICH. Cancer center support grant-specialized.

R01CA-15018-01 (ET) MOORE, GEORGE E, DENVER GENERAL HOSPITAL, WEST 8TH AVE & CHEROKEE STREET, DENVER, COLO. Human hematopoietic and cancer cells.

R01CA-15028-01 (MCHB) OSTERYOUNG, JANET G, COLORADO STATE UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, FORT COLLINS, COLO. Electrochemical analysis for carcinogenic nitrosamines.

R01CA-15029-01 (MCHA) ACTON, EDWARD M, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Synthesis of septacidin analogs as antitumor drugs.

R01CA-15030-01 (ET) CHEN, CHIADAO, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Mode of action of chemical carcinogenesis.

R26CA-15033-02 (SRC) HOMBURGER, FREDDY, BIO-RESEARCH INSTITUTE, INC, 9 COMMERCIAL AVENUE, CAMBRIDGE, MASS. Hamster model for human bladder cancer.

R01CA-15036-02 (ET) REYES, PHILIP, UNIVERSITY OF NEW MEXICO, 915 STANFORD, N E, ALBUQUERQUE, N MEX. A phosphoribosyltransferase from leukemic cells.

R01CA-15038-01 (VR) GLASER, M RONALD, PENNSYLVANIA STATE UNIVERSITY, DEPT OF MICROBIOLOGY, HERSHEY, PA. Interaction of DNA tumor viruses and cell genomes.

R01CA-15039-01 (PTHB) BENEDICT, WILLIAM F, CHILDRENS HOSPITAL, P O BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. Cytogenetic diagnosis and etiology of human cancer.

R13CA-15041-01 (NSS) BOND, VICTOR P, BROOKHAVEN NATIONAL LABORATORY, UPTON, N Y. Vth International Congress of Radiation Research.

R01CA-15044-01 (PTHA) MANUELIDIS, LAURA M, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Pathogenetic determinants of human CNS tumors.

R01CA-15047-01 (PC) FRIEDBERG, SAMUEL J, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. O-alkyl lipids in surface membranes of tumor cells (rats, dogs, human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01CA-15050-01 (PTHB) COTTRELL, JOHN C, ST JOSEPH'S HOSPITAL, READING, PA. Potential carcinogenicity of cannabis (mice, rats).	R01CA-15114-01 (MBY) PRINTO DA SILVA, PEDRO G, SALK INST FOR BIO STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Plasma membrane of normal and cancer cells.
R01CA-15054-01 (RAD) BYFIELD, PATRICIA E, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Cellular immunity and thymic radiation in human cancers.	R01CA-15115-01 (ALY) MANDEL, MARK A, UNIV HOSPITALS OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Local immune response against cancer (human).
R01CA-15056-01 (MCHB) BURZYNSKI, STANISLAW R, 1303 EATON STREET, HOUSTON, TEX. Antineoplastic peptides from urine.	R01CA-15118-02 (EDC) BROWN, NORMAN K, UNIVERSITY OF WASHINGTON, CLINIC 4, RC-76, SEATTLE, WASH. Patterns in the care of the dying.
R01CA-15058-01 (VR) FRANCKE, BERTOLD R, SALK INST FOR BIOLOGICAL STUD, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Early genes of polyoma virus and DNA replication.	R01CA-15122-01 (MBY) NICOLSON, GARITH L, SALK INST FOR BIOLOGICAL STUD, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Cell surface properties of metastatic tumors (cell lines).
R01CA-15061-01 (MCHA) BOECKMAN, ROBERT K, JR, WAYNE STATE UNIVERSITY, 277 CHEMISTRY BUILDING, DETROIT, MICH. Synthesis of the potent antileukemic agent adriamycin.	R01CA-15125-01 (COM) NIECHLES, THOMAS F, NEW ENGLAND MED CTR HOSPITALS, 171 HARRISON AVENUE, BOSTON, MASS. Computer assisted classification of acute leukemia.
R01CA-15062-01 (PTHB) AHMED, KHALIL, VETERANS ADMINISTRATION HOSP, 54TH STREET & 48TH AVE SOUTH, MINNEAPOLIS, MINN. Normal and cancerous prostate (human, rats).	R26CA-15126-02 (SRC) CHU, TSANN M, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Acid and alkaline phosphatases in prostatic cancer (human).
R01CA-15064-01 (BM) CHU, FUN S, UNIVERSITY OF WISCONSIN, 220 BABCOCK HALL, MADISON, WIS. Immunochemical studies on carcinogenic mycotoxins (rodents).	R01CA-15129-01 (ALY) COOPERBAND, SIDNEY R, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. A serum immunosuppressive factor in cancer (human, mice).
P01CA-15065-01 (SRC) FLETCHER, WILLIAM S, GAINES HALL, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Planning for an Oregon cancer center program.	R01CA-15135-01 (PC) ZWIEDLER, ALFRED, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Histones in cell differentiation and carcinogenesis (mice, rats, human).
R01CA-15071-01 (VR) BOLOGNESI, DANI P, DUKE UNIVERSITY, POST OFFICE BOX 2926, DURHAM, N. C. Translation products of the RNA tumor virus genome.	R01CA-15136-01 (PTHB) DVORAK, ANN M, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Basophil/mast cell function in the control of cancer (guinea pigs, mice, rats).
R01CA-15072-01 (PTHB) DAWSON, PETER J, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Pathology of lymphoid neoplasms derived from T and B cells (mice).	R01CA-15137-01 (HED) KOHRMAN, ARTHUR F, MICHIGAN STATE UNIVERSITY, B-245 LIFE SCIENCES, EAST LANSING, MICH. Estrogens, altered differentiation, and malignancy (mice).
R01CA-15079-01 (PTHB) CROCKER, T TIMOTHY, UNIVERSITY OF CALIFORNIA, COMM & ENVIRON MED DEPT, IRVINE, CALIF. Neoplasia and differentiation in tracheal epithelium (rodents).	R01CA-15139-01 (RAD) BROWN, DARRRELL G, AMERICAN ONCOLOGIC HOSPITAL, CENTRAL & SHELMBRE AVENUES, PHILADELPHIA, PA. Dose-rate dependence of tumor cure in radiotherapy (mice).
P02CA-15080-01 (CAP) LOWMAN, JAMES T, UNIVERSITY OF KANSAS, 39TH & RAINBOW BOULEVARD, KANSAS CITY, KANS. National Cancer Research and Demonstration Center.	R01CA-15141-01 (MBY) O'NEILL, FRANK J, UNIVERSITY OF UTAH, DEPT OF MICROBIOLOGY, SALT LAKE CITY, UTAH. Control of nuclear events in normal and neoplastic cells (human, mice).
R01CA-15082-01 (ET) CORNISH, HERBERT H, UNIVERSITY OF MICHIGAN, 109 OBSERVATORY STREET, ANN ARBOR, MICH. Metabolism of potential carcinogens.	R01CA-15142-01 (ET) MIHICH, ENRICO, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Cancer chemotherapy and immunologic effects.
P02CA-15083-01 (CAP) STEINFELD, JESSE L, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN. Cancer Center Support Grant—Mayo Foundation.	R01CA-15143-01 (ET) DAVE, CHANDRAKANT, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Bisguanylylhydrazones, polyamines and cell proliferation (mice).
P02CA-15083-01 0001 (CAP) TAYLOR, WILLIAM F. Cancer Center Support Grant—Mayo Foundation—Statistical center.	P02CA-15145-01 (SRC) BREWER, JOHN I, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Cancer center support grant.
P02CA-15083-01 0002 (CAP) SCANLON, PAUL W. Cancer Center Support Grant—Mayo Foundation—Therapeutic radiology.	P02CA-15145-01 0001 (SRC) ANDERSON, BYRON. Cancer center support grant—Studies on glycoproteins and cell surface antigens.
P02CA-15083-01 0008 (CAP) AHMANN, DAVID L. Cancer Center Support Grant—Mayo Foundation—Medical oncology.	P02CA-15145-01 0002 (SRC) BIRNBAUMER LUTZ. Cancer center support grant—Prostaglandin and LH action in corpus luteum.
P02CA-15083-01 0004 (CAP) BEAHRIS, OLIVER H. Cancer Center Support Grant—Mayo Foundation—Cancer rehabilitation.	P02CA-15145-01 0003 (SRC) BONDAREFF, WILLIAM. Cancer center support grant—Extracellular proteoglycans of glioblastoma multiforme in human brain.
P02CA-15083-01 0005 (CAP) ANDERSON, SHIRLEY. Cancer Center Support Grant—Mayo Foundation—Program for cancer nursing.	P02CA-15145-01 0004 (SRC) BREWER, JOHN I. Cancer center support grant—Immunologic approach to trophoblastic disease.
P02CA-15083-01 0006 (CAP) STEINFELD, JESSE L. Cancer Center Support Grant—Mayo Foundation—Basic science in cancer.	P02CA-15145-01 0005 (SRC) ANKUDAS, MILDA. Cancer center support grant—Tissue culture of choriocarcinoma and hydatid mole.
P02CA-15083-01 0008 (CAP) AHMANN, DAVID L. Cancer Center Support Grant—Mayo Foundation—Management of breast cancer (human).	P02CA-15145-01 0006 (SRC) ECKMAN, THOMAS. Cancer center support grant—Combination chemotherapy of high risk choriocarcinoma and invasive mole (human).
P02CA-15083-01 0012 (CAP) BURGERT, E OMER, JR. Cancer Center Support Grant—Mayo Foundation—Management of pediatric cancer.	P02CA-15145-01 0007 (SRC) BREWER, JOHN I. Cancer center support grant—Early detection of choriocarcinoma and invasive mole (human).
P02CA-15083-01 0013 (CAP) SILVERSTEIN, MURRAY N. Cancer Center Support Grant—Mayo Foundation—Management of lymphoma (human).	P02CA-15145-01 0008 (SRC) ECKMAN THOMAS. Cancer center support grant—Tailoring therapy.
P02CA-15083-01 0015 (CAP) STEINFELD, JESSE L. Cancer Center Support Grant—Mayo Foundation—Acute leukemia in adults.	P02CA-15145-01 0009 (SRC) INOUE, TOHRU. Cancer center support grant—Nuclear proteins and transcription of chromatin from trophoblast (hamsters).
P02CA-15083-01 0016 (CAP) SILVERSTEIN, MURRAY N. Cancer Center Support Grant—Mayo Foundation—Myeloproliferative disorders (human).	P02CA-15145-01 0010 (SRC) FREINKEL, NORBERT. Cancer center support grant—Carbohydrate metabolism and placental hormones in trophoblastic disease (human).
R01CA-15084-01 (MAB) THOMPSON, JOHN S, VETERANS ADMINISTRATION HOSP, IOWA CITY, IOWA. Immunosuppressive factors in hepatoma and cord blood (human, rats).	P02CA-15145-01 0011 (SRC) BREWER, JOHN I. Cancer center support grant—Chemotherapy of choriocarcinoma and invasive mole (human).
R01CA-15085-01 (PTHA) LUBIN, MARTIN, DARTMOUTH MEDICAL SCHOOL, DEPT OF MICROBIOLOGY, HANOVER, N. H. Neuroblastoma—An E M study of differentiation (mice).	P02CA-15145-01 0012 (SRC) ECKMAN, THOMAS. Cancer center support grant—Detection of choriocarcinoma and invasive mole.
R01CA-15086-01 (PC) LIAU, MING C, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Nuclear synthesis and modification of RNA (rats).	P02CA-15145-01 0013 (SRC) BREWER, JOHN I. Cancer center support grant—Education in trophoblastic diseases.
R01CA-15087-01 (MBY) PAUL, DIETRICH, THE SALK INSTITUTE, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Growth control of SV40 virus transformed 3T3 cells.	P02CA-15145-01 0014 (SRC) BREWER, JOHN I. Cancer center support grant—Ovarian cancer—Gynecology oncology group.
R01CA-15089-01 (PTHB) PRETLOW, THOMAS G, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Chemical carcinogenesis in vitro (hamsters, human, mice).	P02CA-15145-01 0015 (SRC) BRUCE, DAVID L. Cancer center support grant—Metabolism of murine L-1210 leukemic cells.
R01CA-15093-01 (BT) MAHALEY, M S, JR, DUKE UNIVERSITY, DURHAM, N. C. Brain tumor chemotherapy screening model (human, rats).	P02CA-15145-01 0016 (SRC) BRUCE, DAVID L. Cancer center support grant—Control of cell division (tissue culture).
R01CA-15095-01 (PTHB) VAN DUUREN, BENJAMIN L, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Cocarcinogenic agents in chemical carcinogenesis (mice).	P02CA-15145-01 0017 (SRC) COE, ELAMON L. Cancer center support grant—Factors controlling glycolysis in cellular systems.
R01CA-15103-01 (PTHB) MALDONADO, JORGE E, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. The platelet line in myeloproliferative malignancies (human).	P02CA-15145-01 0018 (SRC) DUMAS, LAWRENCE B. Cancer center support grant—Role of host cell proteins in synthesis of virus DNA (bacteria).
R01CA-15104-01 (EDC) SHERMAN, BARRY M, UNIVERSITY HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Anovulation and the epidemiology of breast cancer (human).	P02CA-15145-01 0019 (SRC) FREDERICK, HARTMANN. Cancer center support grant—Cell surface changes during in vitro carcinogenesis.
R26CA-15107-02 (SRC) JOHNSON, DOUGLAS E, UNIV OF TEXAS MD ANDERSON HOSP, 6723 BERTNER AVENUE, HOUSTON, TEX. Chemotherapy for national prostatic cancer project (human).	P02CA-15145-01 0020 (SRC) GRAYHACK, JOHN T. Cancer center support grant—Prostate—Neoplastic and normal growth (human, dog).
R26CA-15108-02 (SRC) SCHMIDT, JOSEPH D, UNIV OF IOWA HOSPS & CLINICS, NEWTON ROAD, IOWA CITY, IOWA. Chemotherapy of advanced prostatic cancer (human).	P02CA-15145-01 0021 (SRC) GREEN, ORVILLE C. Cancer center support grant—Steroid 5 alpha-reductase activity in human brain tumors (rats).
R01CA-15109-01 (PTHB) PINK, LOUIS M, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Transformation of cells by chemical carcinogens (hamsters, frogs).	P02CA-15145-01 0022 (SRC) HARTZ, WILSON H. Cancer center support grant—Blood component support for leukemic and tumor patients.
R01CA-15111-01 (BT) ARCOS, JOSEPH C, U S PUB HLTH HOSPITAL, 210 STATE STREET, NEW ORLEANS, LA. Pharmacology and biochemistry of the on-cogen, dioxane.	P02CA-15145-01 0023 (SRC) HIRATA, ARTHUR A. Cancer center support grant—Natural antibody profile of sera from cancer patients.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P02CA-15145-01 0027 (SRC) JOHNSON, TERRY. Cancer center support grant—Metabolism and differentiation of neuroblastoma cells (mice).
- P02CA-15145-01 0028 (SRC) JUNGSMANN, RICHARD A. Cancer center support grant—Molecular mechanisms of chemical carcinogenesis at nuclear level (rats).
- P02CA-15145-01 0029 (SRC) KAHAN, RARRY D. Cancer center support grant—Immunologic approach to trophoblastic disease (human).
- P02CA-15145-01 0030 (SRC) KWAAN, HAU C. Cancer center support grant—Thrombotic diathesis in cancer patients.
- P02CA-15145-01 0031 (SRC) LEE, CHUNG. Cancer center support grant—Estrogen action on DMBA-induced mammary tumor in rats.
- P02CA-15145-01 0032 (SRC) LESTMA, JAN E. Cancer center support grant—The role of tumor angiogenesis factor(s) in brain neoplasms (human, animals).
- P02CA-15145-01 0033 (SRC) MARGOLIAS, RMANUEL. Cancer center support grant—Amino acid sequences—Automatic integrated procedures.
- P02CA-15145-01 0004 (SRC) MAVIS, RICHARD D. Cancer center support grant—Regulation of membrane function by phospholipids (bacteria, rats).
- P02CA-15145-01 0035 (SRC) MOSS, WILLIAM. Cancer center support grant—Radiation therapy—radiation oncology component.
- P02CA-15145-01 0036 (SRC) NOLL, HANS. Cancer center support grant—Translation phenomena in normal and neoplastic cells.
- P02CA-15145-01 0037 (SRC) OYASU, RYOICHI. Cancer center support grant—Role of indole in urinary bladder carcinogenesis (hamsters).
- P02CA-15145-01 0038 (SRC) RACHMEIER, MARTIN. Cancer center support grant—Assembly and maturation of DNA tumor virus, SV40.
- P02CA-15145-01 0039 (SRC) SCHREK, ROBERT. Cancer center support grant—Quantitative electron microscopy of leukemic cells (human).
- P02CA-15145-01 0040 (SRC) SCHREK, ROBERT. Cancer center support grant—Antigenic reactions of normal and leukemic cells (human).
- P02CA-15145-01 0041 (SRC) SCHWARTZ, ALLEN D. Cancer center support grant—Children's cancer study group A.
- P02CA-15145-01 0042 (SRC) SHAMBAUGH, GEORGE E. Cancer center support grant—Regulation of growth in normal and neoplastic tissues (human, rats).
- P02CA-15145-01 0043 (SRC) SHIELDS, THOMAS W. Cancer center support grant—Adjuvant cancer chemotherapy trials in treatment of colon and lung cancer (human).
- P02CA-15145-01 0044 (SRC) SISSON, GEORGE A. Cancer center support grant—Reconstitution and rerouting of cerebral circulation (dogs).
- P02CA-15145-01 0045 (SRC) SMITH, DAVID W E. Cancer center support grant—Aminoacyl transfer-RNA synthetases in reticulocytes (rabbits).
- P02CA-15145-01 0046 (SRC) SOMMERS, HERBERT M. Cancer center support grant—Rapid detection of infection in cancer patients.
- P02CA-15145-01 0047 (SRC) SPRINGER, GEORG. Cancer center support grant—Isolation and properties of a sarcoma virus receptor (chickens).
- P02CA-15145-01 0048 (SRC) SPRINGER, GEORG. Cancer center support grant—Mammary adenocarcinoma—Cell glycoprotein coat (mice, human).
- P02CA-15145-01 0049 (SRC) SPRINGER, GEORG. Cancer center support grant—Blood groups MN—Structure and tumor virus relation.
- P02CA-15145-01 0050 (SRC) WELKER, NEIL E. Cancer center support grant—Studies on DNA membrane receptor complex (bacteria).
- P02CA-15145-01 0051 (SRC) WU, TAI TE. Cancer center support grant—Structures of variable regions of antibodies.
- P02CA-15145-01 0052 (SRC) HARTZ, WILSON H. Cancer center support grant—Correlates in drug sensitive and resistant leukemia.
- P02CA-15145-01 0053 (SRC) SCANLON, EDWARD. Cancer center support grant—Breast cancer task force.
- P02CA-15145-01 0054 (SRC) BETTS, HENRY B. Cancer center support grant—Cancer rehabilitation.
- P02CA-15145-01 0055 (SRC) CARROLL, WALTER. Cancer center support grant—Clinical cancer training program.
- R01CA-15146-02 (GEN) GASSER, DAVID L, UNIVERSITY OF PENNSYLVANIA, DEPT OF HUMAN GENETICS, PHILADELPHIA, PA. Genetic control of the immune response (mice, rats).
- P01CA-15147-01 (CAP) BALCERZAK, STANLEY P, OGIO STATE UNIV HOSP, 410 WEST 10TH AVE, COLUMBUS, OHIO. Leukemia—Lymphoma program.
- R01CA-15149-01 (VR) BUTEL, JANET S, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. The DNA-transfer method of virus rescue.
- R01CA-15155-01 (END) MOYLE, WILLIAM R, HARVARD MEDICAL SCHOOL, 45 SHATTUCK STREET, BOSTON, MASS. Cyclic AMP—Role in adrenal tumor steroidogenesis (rats).
- R01CA-15161-01 (MBY) ROSEMAN, SAUL, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Biochemistry of normal and malignant cell surfaces (mouse cell lines).
- R01CA-15162-01 (ET) MORREAL, CHARLES E, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Mechanisms of hydrocarbon carcinogenesis in rats.
- R01CA-15166-01 (VR) DAHLBERG, JAMES E, UNIVERSITY OF WISCONSIN, 671 MEDICAL SCIENCES BUILDING, MADISON, WIS. Small RNAs of RNA tumor virus.
- R01CA-15167-01 (ALY) ZABRISKIE, JOHN S, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Immunologic responses in neoplastic growth (mice).
- R01CA-15168-01 (VR) GOLDSTEIN, RICHARD N, HARVARD MED SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Interactions of satellite phage P4 and its helper, P2.
- R01CA-15169-01 (PC) SKIPISKI, VLADIMIR P, WALKER LABORATORY, 145 BOSTON POST ROAD, RYE, N Y. Neoproteolipids associated with malignant tumors (human, rodents).
- R01CA-15171-01 (BBCA) HODGSON, DEREK J, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF CHEMISTRY, CHAPEL HILL, N C. Structures of antitumor azapurines and azapyrimidines.
- R01CA-15173-01 (BBCA) LONGWORTH, JAMES W, UNIVERSITY OF TENNESSEE, GRAD SCH OF BIOMED SCI, BX Y, OAK RIDGE, TENN. Immunoproteins from plasma cell tumors (human).
- R01CA-15182-01 (PTHB) SHOHET, STEPHEN B, UNIVERSITY OF CALIFORNIA, MOFITT HOSPITAL, RM 506, SAN FRANCISCO, CALIF. In vitro characterization of Hodgkin's disease cells.
- R01CA-15182-01 0001 (PTHB) SHOHET, STEPHEN B. In vitro characterization of Hodgkin's disease cells—Isolation and characterization (human, hamsters).
- R01CA-15182-01 0002 (PTHB) SHOHET, STEPHEN B. In vitro characterization of Hodgkin's disease cells—Isolation and characterization of tumor associated antigens (human, hamsters).
- P01CA-15184-01 (CAP) TOBIAS, CORNELIUS A, UNIVERSITY OF CALIFORNIA, 363 DONNER LABORATORY, BERKELEY, CALIF. Pretherapeutic use of accelerated heavy ions (mammals).
- R01CA-15185-02 (ET) MOORE, GEORGE E, DENVER GENERAL HOSPITAL, WEST 8TH AVE & CHEROKEE STREET, DENVER, COLO. Establishment and use of animal lymphocyte lines (mice, rats).
- R01CA-15187-01 (PC) BARRL, EARL F, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. DNA synthesis—Regulation in normal and cancer cells (rat liver).
- R01CA-15189-01 (PTHB) COX, RAY, VETERANS ADMINISTRATION HOSP, 1030 JEFFERSON AVENUE, MEMPHIS, TENN. DNA repair and carcinogenesis (rodents).
- P01CA-15192-01 (CAP) LUCE, JAMES K, MOUNTAIN STATES TUMOR INST, 151 EAST BARNOCK, BOISE, IDAHO. Cancer Center Support Grant Specialized.
- R01CA-15196-01 (PC) AHMAD, FAZAL, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. Regulation of fatty acid biosynthesis in mammary tumors (rats).
- R01CA-15201-01 (RAD) BROWN, J MARTIN, STANFORD UNIVERSITY, DEPT OF RADIOLOGY, STANFORD, CALIF. Experimental radiotherapy—Basis and modification (mice).
- R01CA-15202-01 (SOYB) ELLIS, ROBERT J, 415 EAST 70TH STREET, NEW YORK, N Y. Immunological studies in patients with breast cancer.
- R01CA-15203-01 (RAD) WHEELER, KENNETH T, JR, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Brain tumor therapy—Radiation, DNA damage and repair (rats).
- R01CA-15205-01 (ET) MARQUARDT, HANS W, SLOAN-KETTERING INSTITUTE, 410 EAST 68 STREET, NEW YORK, N Y. Hydrocarbon—Induced malignant transformation in vitro.
- R01CA-15207-01 (GEN) SWIFT, MICHAEL R, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Neoplasia—predisposing genes in cell culture (human).
- R01CA-15208-01 (PTHB) STARKEY, JEAN R, WASHINGTON STATE UNIVERSITY, COLL OF VETERINARY MEDICINE, PULLMAN, WASH. Somatic mutation and chemical carcinogenesis (hamsters).
- R01CA-15209-01 (RAD) BRCKER, HAL C, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. X-ray microtomography of various organ systems.
- R01CA-15215-01 (BBCA) GARVER, FREDERICK A, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIO, AUGUSTA, GA. Structural analysis of two gamma-heavy chain disease proteins (human).
- R01CA-15222-01 (PTHB) SMITH, CAROL J, UNIVERSITY OF VERMONT, C-340 GIVEN MEDICAL BLDG, BURLINGTON, VT. Chemistry and metabolism of hepatoma alpha fetoprotein (rats).
- R01CA-15225-01 (RAD) MENDELSON, MORTIMER L, LAWRENCE LIVERMORE LABORATORY, POST OFFICE BOX 808, LIVERMORE, CALIF. Cancer radiochemotherapy with 7-tritiotetracycline (rats, human).
- R01CA-15229-01 (CBY) WEIHING, ROBERT R, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Actin and tubulin in cancer cells (human).
- R01CA-15230-01 (MCHA) EDWARDS, JOHN M, UNIVERSITY OF CONNECTICUT, SCHOOL OF PHARMACY, STORRS, CONN. Antineoplastic principles (mice).
- R01CA-15233-01 (ET) PARS, ISMAIL S U N Y - DOWNSTATE MEDICAL CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. An in vitro model of carcinogenesis of pancreas (organ culture).
- R01CA-15236-01 (HEM) COOPER, RICHARD A, 3400 SPRUCE STREET, PHILADELPHIA, PA. Monocyte detection of the human cancer cell surface.
- R01CA-15237-01 (HEM) SHADDUCK, RICHARD K, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. Regulation of granulopoiesis (mice, rats).
- R01CA-15240-01 (PTHB) YOUNG, SAID, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF PATHOLOGY, LA JOLLA, CALIF. Non-specific resistance to syngeneic tumors (mice).
- R10CA-15241-02 (CCI) HILL, GEORGE J, 2D, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Central oncology group.
- R01CA-15250-01 (COM) GEHAN, EDMUND A, M D ANDERSON HOSP & TUMOR INST, 6723 BERTNER DRIVE, HOUSTON, TEX. Decision making for patients with acute leukemia.
- R01CA-15256-01 (PTHB) BURTON, ROBERT M, UNIVERSITY OF LOUISVILLE, SCHOOL OF MEDICINE, LOUISVILLE, KY. A radioimmunoassay for ovarian cancer (human).
- R26CA-15259-02 (SRC) BLAND, WILLIAM H, VA WADSWORTH HOSPITAL CENTER, WILSHIRE & SAWTELLE BLVD, LOS ANGELES, CALIF. Indium 111-anti-CEA for external detection of colonic tumors (mammals, nonhuman).
- R01CA-15260-01 (BM) GOLDMAN, PETER, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Carcinogen metabolism by host intestinal bacteria (rats).
- R26CA-15261-02 (SRC) WELTMAN, JOEL K, MIRIAM HOSPITAL, 164 SUMMIT AVENUE, PROVIDENCE, R I. Enzymatic tests for carcinoembryonic antigen (human).
- R26CA-15263-01 (SRC) HOLYOKE, EDWARD D, ROSWELL PARK MEMO. 'AL INST, 666 ELM STREET, BUFFALO, NEW YORK. Immune status of gastrointestinal tumor—Colon (human).
- R01CA-15270-01 (ET) FLESHER, JAMES W, UNIVERSITY OF KENTUCKY, 800 ROSE STREET, LEXINGTON, KY. Metabolic characteristics of chemical carcinogenesis (rats).
- R01CA-15274-01 (ET) BROWN, GEORGE S, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Mechanism of oncogenesis by purine derivatives.
- R01CA-15276-01 (PTHB) NIRSCHMAN, HARVEY R, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Induction and culture of EGF-dependent skin tumors (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1CA-15277-01 (VR) CERNY, JAN, HARVARD SCH OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Immunocompetent cells in experimental leukemia (mice).

RO1CA-15278-01 (ET) HARRIS, NICK S, UNIVERSITY OF TEXAS, 610 TEXAS AVENUE, GALVESTON, TEX. Antibody immunosuppression on tumor growth (mice).

RO1CA-15281-01 (VR) NONOYAMA, MEIHAN, RUSH-PRESBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Oncogenicity of Epstein-Barr virus (human, monkeys).

R26CA-15284-02 (SRC) FROUT, GEORGE R, JR, MASSACHUSETTS GENERAL HOSP, 32 FRUIT STREET, BOSTON, MASS. Chemotherapy for patients with prostatic cancer.

RO1CA-15287-01 (TOX) WESWIG, PAUL H, OREGON STATE UNIVERSITY, DEPT OF AGRICULTURAL CHEMISTRY, CORVALLIS, OREG. Effect of selenium on chemical carcinogenicity (rats).

RO1CA-15290-01 (PC) BENTLEY, J PETER, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK ROAD, PORTLAND, OREG. Cancer spreading factors as a target for zinc therapy.

R26CA-15292-02 (SRC) MICKET, DON D, DUKE UNIVERSITY, POST OFFICE BOX 2977, DURHAM, N C. Function of oncogenic viruses in bladder cancer (human, cats, mice).

R13CA-15293-01 (NSS) CLARK, R LEE, UNIV OF TEXAS MD ANDERSON HOSP, 6723 BERTNER AVENUE, HOUSTON, TEX. Annual symposium on fundamental cancer research.

R10CA-15294-01 (CCI) WATKINS, FRED W, VETERANS ADMINISTRATION HOSP, 2615 E CLINTON AVENUE, FRESNO, CALIF. Western Cancer Study Group.

RO1CA-15297-01 (VR) FLEISSNER, ERWIN J, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Viral and mouse genes in leukemia virus infection.

R13CA-15298-01 (NSS) BOND, VICTOR P, BROOKHAVEN NATIONAL LABORATORY, UPTON, N Y. Radiation and host immune defense mechanisms in malignancy (Arizona).

RO1CA-15300-01 (BBCB) LAUTERBUR, PAUL C, S U N Y - AT STONY BROOK, DEPARTMENT OF CHEMISTRY, STONY BROOK, N Y. Application of NMR magnetography in cancer research.

RO1CA-15305-01 (MBY) HAM, RICHARD G, UNIVERSITY OF COLORADO, DEPT OF MOLE, CELL & DEV BIOL, BOULDER, COLO. Effect of malignancy on cell growth requirements (rabbit).

RO1CA-15306-01 (PTHB) LYNCH, RICHARD G, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. Mechanisms of immunosuppression of murine myeloma.

RO1CA-15307-01 (RAD) ROSSI, HARALD H, COLUMBIA UNIVERSITY, 630 WEST 168TH ST, NEW YORK, N Y. Cell irradiations with molecular ions (hamsters).

R26CA-15315-02 (SRC) TROLL, WALTER, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Control of bladder cancer.

R26CA-15315-02 0001 (SRC) TROLL, WALTER. Control of bladder cancer-Method for environmental carcinogen detection (dogs, monkeys, rodents, bacteria).

R26CA-15315-02 0002 (SRC) TROLL, WALTER. Control of bladder cancer-A sensitive assay for aromatic amines in urine (human).

R26CA-15315-02 0003 (SRC) TROLL, WALTER. Control of bladder cancer-Prevention of bladder cancer by promotion inhibitors (rats).

RO1CA-15317-01 (BJO) CANELLAKIS, EVANGELO S, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Double intercalators as anticancer agents (mice).

RO1CA-15318-01 (HEM) LALEZARI, PARVIZ, MONTEFIORE HOSPITAL & MED CTR, 111 EAST 210TH STREET, BRONX, N Y. Neutrophil-specific antigen (human).

RO1CA-15322-01 (MBB) REED, NORMAN D, MONTANA STATE UNIVERSITY, DEPT OF BOTANY & MICROBIOLOGY, BOZEMAN, MONT. Oncogenesis in congenitally athymic mice.

RO1CA-15325-01 (ET) GRAY, GARY R, UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. Antitumor active components of BCG cell walls.

RO1CA-15330-01 (MBY) HUI, SEK W, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Electron diffraction of cancer cell membranes (human).

RO1CA-15332-01 (PTHB) MC GUIGAN, JAMES E, UNIVERSITY OF FLORIDA, DEPT OF MEDICINE, GAINESVILLE, FLA. Cancer of the endocrine pancreas (human).

RO1CA-15333-01 (MBB) TWOMEY, JEREMIAH J, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Rheumatoid factor and tumor-host interaction (human).

RO1CA-15334-01 (ALY) SMITH, RICHARD T, UNIVERSITY OF FLORIDA, DEPT OF PATHOLOGY, GAINESVILLE, FLA. Cellular mechanism in tumor-specific immunity (mice).

RO1CA-15338-01 (ALY) ACTON, RONALD T, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Membrane specificities related to neoplasia (mice).

RO1CA-15339-01 (ALY) KENT, SIDNEY P, UNIVERSITY OF ALABAMA, DEPT OF PATHOLOGY, BIRMINGHAM, ALA. Pattern of molecules on normal and neoplastic cells.

RO1CA-15341-01 (ET) DIAMOND, IVAN F, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Photodynamic therapy of malignant tumors.

RO1CA-15344-01 (PTHB) MATTHEIS, E BINGHAM, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Pulmonary metabolism of benzo(a)pyrene (rabbits).

RO1CA-15348-01 (MCHA) WILLIAMS, JOHN R, TEMPLE UNIVERSITY, DEPARTMENT OF CHEMISTRY, PHILADELPHIA, PA. Photosensitization due to drugs.

RO1CA-15360-01 (ET) SARIL, EARL F, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Carcinostatic agents-Mechanisms of action (rats).

RO1CA-15362-01 (ET) LIBBY, PAUL R, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Polyamine metabolism in mammary cancer (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1CA-15365-01 (CBY) WALTER, GERNOT F, SALK INST FOR BIOLOGICAL STUD, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Surface changes in virus transformed cells (SV40, viruses, monkey, Hela cells).

R13CA-15367-01 (NSS) KHARASCH, NORMAN, INTRA-SCIENCE RESEARCH FDM, POST OFFICE BOX 430, SANTA MONICA, CALIF. Symposium on 'New Ideas in Cancer Chemotherapy' 1973 (California).

RO1CA-15369-01 (VR) BENNETT, MICHAEL, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Immunobiology of viral leukemia and its treatment (mice).

RO1CA-15370-01 (PC) BLOUGH, HERBERT A, PRESBY-UNIV OF PENNSYLVANIA, 51 NORTH 39 STREET, PHILADELPHIA, PA. Tumor virus lipids-(Rous sarcoma, Herpesvirus, hamsters, chick embryo).

RO1CA-15372-01 (UMB) PILCH, JOSEF H, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Immunotherapy of cancer with lymphoid extracts (human, mice, guinea pigs).

RO1CA-15373-01 (MBB) CUSUMANO, CHARLES L, UNIVERSITY OF FLORIDA, DEPT OF IMMUNO & MED MICROBIO, GAINESVILLE, FLA. Circulating immune complexes in human cancer.

RO1CA-15378-01 (RAD) OLEBNICK, NANCY L, CASE WESTERN RESERVE UNIV, 2058 ABINGTON ROAD, CLEVELAND, OHIO. Radiation-induced modifications in protein synthesis (human, Tetrahymena).

RO1CA-15385-01 (SGYB) NOVAL, JOSEPH J, TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA. Mechanism of antitumor effect of portacaval shunt (rats).

RO1CA-15388-01 (CBY) ANTONIADES, HARRY N, CENTER FOR BLOOD RESEARCH, 800 HUNTINGTON AVENUE, BOSTON, MASS. Characterization of serum factors inducing mitosis (human, mice).

RO1CA-15389-01 (PC) APRIORI, DAVID, WASHINGTON UNIVERSITY, BOX 8093, DEPT OF MICROBIOLOGY, ST LOUIS, MO. Fate of RNA in malignant and normal cells (mice, Xenopus).

RO1CA-15396-01 (CAP) SANTOS, GEORGE W, JOHNS HOPKINS HOSPITAL, 304 CARNEGIE BUILDING, BALTIMORE, MD. Bone marrow transplantation program in human disease.

RO1CA-15397-02 (ET) BARRANCO, S C, UNIVERSITY OF TEXAS, DEPT OF HUMAN BIOL CHEM & GEN, GALVESTON, TEX. Drug sensitivity of mammalian cells in plateau phase.

R26CA-15400-02 (SRC) WEISBURGER, JOHN H, AMERICAN HEALTH FOUNDATION, 2 EAST END AVE, NEW YORK, N Y. Mechanism of action of colon carcinogenesis (rodents).

R26CA-15405-01 (SRC) JONAS, ALBERT M, YALE UNIVERSITY SCH OF MED, 375 CONGRESS AVE, NEW HAVEN, CONN. Transmissible murine colonic hyperplasia.

R26CA-15407-02 (SRC) SCOTT, WILLIAM W, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Chemotherapy of prostatic cancer.

RO1CA-15408-01 (BCM) MORTON, JULIA F, UNIVERSITY OF MIAMI, BOX 8204, CORAL GABLES, FLA. Report on current plant remedies of Middle America.

RO1CA-15411-01 (HEM) O'GRADY, LOIS F, SCHOOL OF MEDICINE, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Cryopreservation of human marrow.

R26CA-15412-02 (SRC) SOLOWAY, MARK S, 2169 CAMPUS ROAD, BEACHWOOD, OHIO. Diagnosis and treatment of bladder cancer in mice.

RO1CA-15413-01 (SSS) THEROS, ELIAS G, ARMED FORCES INST OF PATH, REGISTRY OF RADIOLOGIC PATH, WASH, D C. Radiologic oncology teaching materials development.

R26CA-15416-02 (SRC) COFFEY, DONALD S, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Prostatic DNA synthesis-A screen for cancer chemotherapeutic agents (rats).

R26CA-15417-02 (SRC) PAULSON, DAVID F, DUKE UNIVERSITY, POST OFFICE BOX 2977, DURHAM, N C. Viruses and virus-like particles in prostatic tumors (human).

RO1CA-15419-01 (PTHB) GOLDSTEIN, ALLAN L, UNIV OF TEXAS MEDICAL BRANCH, GALVESTON, TEX. Role of thymosin in development and aging (human, mice, cattle).

RO1CA-15420-01 (UMB) MC GREGOR, DOUGLAS D, TRUDEAU INSTITUTE, INC, ALGONQUIN AVENUE, SARANAC LAKE, N Y. Aging, immunity and cancer (rats).

R26CA-15421-02 (SRC) GIBBONS, ROBERT P, MASON CLINIC, 1118 NINTH AVENUE, SEATTLE, WASH. Chemotherapy for advanced prostatic cancer (human).

RO1CA-15423-02 (END) BURSTEIN, SHLOMO, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Polar corticoids in guinea pigs and cancer (also human, rats, mice).

R26CA-15425-01 (SRC) HOMBURGER, FREDDY, BIO-RESEARCH INSTITUTE, INC, 9 COMMERCIAL AVENUE, CAMBRIDGE, MASS. Colonic cancer in inbred Syrian hamsters.

R26CA-15429-01 (SRC) WINAWER, SIDNEY J, MEM SLOAN-KETTERING CANCER CTR, 444 EAST 68TH STREET, NEW YORK, N Y. Detection of early colon cancer (human).

R26CA-15434-02 (SRC) KAHAN, BARRY D, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Antigenic stimulus in human colon carcinoma immunity.

RO1CA-15435-02 (ET) LEVIN, VICTOR A, UNIVERSITY OF CALIFORNIA, DEPT OF NEUROLOGICAL SURGERY, SAN FRANCISCO, CALIF. Pharmacokinetics of brain tumor chemotherapy.

RO1CA-15435-02 0001 (ET) LEVIN, VICTOR A. Pharmacokinetics of brain tumor chemotherapy-Precise anatomic localization of rat glioma (monkeys).

RO1CA-15435-02 0002 (ET) LEVIN, VICTOR A. Pharmacokinetics of brain tumor chemotherapy-Therapeutic efficiency of 5-fluorouracil (rats, monkeys).

R26CA-15436-01 (SRC) SANDBERG, AVERY A, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Test systems for drugs against prostatic cancer (rats, dogs, baboons).

R26CA-15437-01 (SRC) CHU, TSANN M, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Carcino-fetal antigens in prostatic cancers (human).

R26CA-15438-02 (SRC) DMOCHOWSKI, LEON, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Oncogenic viruses in human prostate cancer.

R26CA-15441-01 (SRC) GITTES, RUBEN F, UNIVERSITY HOSPITAL OF SAN DIE, 225 W DICKINSON ST, SAN DIEGO, CALIF. Hormonal dependence of prostate cancer (human, rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R26CA-15442-01 (SRC) COFFEY, DONALD S, BRADY** UROLOGICAL INSTITUTE, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Specificity of cell membrane antigens in prostatic cancer (human, rodents).
- R01CA-15446-05 (BM) MINDEN, PERCY, NATL JEWISH HOSP & RES CENTER, 3800 EAST COLFAX AVENUE, DENVER, COLO.** Primary antigen-antibody reactions in tuberculosis (human, rabbits).
- R26CA-15448-01 (SRC) JACKSON, MARVIN A, HOWARD UNIV COLLEGE OF MED, 520 W STREET, N W, WASHINGTON, D C.** Characterization of prostatic carcinoma among blacks.
- R01CA-15450-02 (GEN) ALBERTINI, RICHARD J, UNIVERSITY OF VERMONT, GIVEN BUILDING C-312, BURLINGTON, VT.** Mutation in diploid human somatic cells.
- R01CA-15450-02 0001 (GEN) ALBERTINI, RICHARD J.** Mutation in diploid human somatic cells-In vitro mutant somatic cell detection (human).
- R01CA-15450-02 0002 (GEN) ALBERTINI, RICHARD J.** Mutation in diploid human somatic cells-Direct 8-azaguanine resistant lymphocytes detection (human).
- R26CA-15455-01 (SRC) BAGSHAW, MALCOLM A, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF.** Evaluation of extended radiotherapy for prostate neoplasm (human).
- R10CA-15457-01 (CCI) LUCE, JAMES K, MOUNTAIN STATES TUMOR INST, 151 EAST BANNOCK, BOISE, IDAHO.** Western Cancer Study Group.
- R26CA-15458-01 (LB) MAVLIGIT, GIORA M, UNIV OF TEXAS MD ANDERSON HOSP, 3723 BERTNER AVENUE, HOUSTON, TEX.** Adjuvant immunotherapy to surgery in colorectal cancer.
- R01CA-15459-02 (RAD) MARTEN, GEORGE W, ST JUDE CHILDREN'S RES HOSP, 332 NORTH LAUDERDALE, MEMPHIS, TENN.** Psychological effects of cranial irradiation (human).
- R01CA-15461-01 (BBCA) HUDSON, BRUCE S, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF.** Ethidium and DNA-Electronic and buoyant properties.
- R01CA-15462-01 (MB) ARGYRIS, BERTIE F, S U N Y - UPSTATE MED CTR, 750 EAST ADAMS STREET, SYRACUSE, N Y.** Cell interactions in the rejection of tumor transplants (mice).
- R01CA-15464-02 (VR) LEWANDOWSKI, LEON J, WISTAR INSTITUTE, 36TH & SPRUCE STREETS, PHILADELPHIA, PA.** The structure and replication of tumor virus RNA.
- R10CA-15467-01 (CCI) SHAW, MICHAEL T, UNIVERSITY OF OKLAHOMA, POST OFFICE BOX 26901, OKLAHOMA CITY, OKLA.** Southwest Oncology Group.
- R01CA-15472-01 (MB) EISEN, HERMAN N, ROOM 56-423 CENTER FOR CAN RES, MASSACHUSETTS INST OF TECH, CAMBRIDGE, MASS.** Immunity to myeloma tumors (mice).
- R10CA-15474-01 (CCI) ACKERMAN, LAUREN V, S U N Y - AT STONY BROOK, DEPT OF PATHOLOGY, STONY BROOK, N Y.** Colo-rectal pathology reference center.
- R26CA-15477-02 (SRC) ZAJAC, BARBARA A, DEPT OF MICROBIOLOGY, 3300 HENRY AVENUE, PHILADELPHIA, PA.** Establishment of cell cultures of human tumor urothelium.
- R26CA-15479-02 (SRC) DALY, JAMES J, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS.** LDH isozymes and chromosomes in bladder carcinoma (rats, human).
- R26CA-15480-01 (SRC) MALININ, THODORE I, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA.** Prostate cancer tissue collection center (human).
- R01CA-15483-07 (PC) DAVIDSON, EUGENE A, MILTON S HERSHEY MEDICAL CTR, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA.** Biochemistry of mucopolysaccharides.
- R01CA-15484-02 (PTHB) COOK, ROBERT T, INSTITUTE OF PATHOLOGY, 2085 ADELBERT ROAD, CLEVELAND, OHIO.** Histone control of nuclear DNA polymerase activity (rats).
- R10CA-15485-01 (CCI) MARSH, JOHN C, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN.** Eastern Cooperative Oncology Group.
- R01CA-15486-01 (PTHB) TALAL, NORMAN, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF.** Cancer and macroglobulinemia (NZ mice, human).
- R10CA-15488-01 (CCI) COOPER, RICHARD A, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA.** Eastern Cooperative Oncology Group.
- R26CA-15490-01 (BP) FRIEDEL, GILBERT H, 25 WINTHROP STREET, WORCESTER, MASS.** Central cytology and pathology laboratory.
- R26CA-15491-01 (BP) HODGES, CLARENCE V, UNIV OF OREGON MEDICAL SCHOOL, 3181 S W SAM JACKSON PARK ROAD, PORTLAND, OREG.** National Bladder Cancer Collaborative Group A.
- R26CA-15492-01 (BP) KOONTZ, WARREN W, JR, MEDICAL COLLEGE OF VIRGINIA, BOX 176, RICHMOND, VA.** Evaluation and management of bladder carcinoma.
- R01CA-15494-02 (VR) MEYERS, PAUL, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN.** Tolerance and immunity to avian RNA tumor viruses and VISA.
- R01CA-15496-04 (PTHB) ZOLLA, SUSAN B, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y.** Mechanism of immunosuppression by mouse plasmacytomas.
- R26CA-15497-01 (BP) WARRAM, JAMES H, HARVARD SCHOOL OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS.** Statistical Center for National Bladder Cancer Project.
- R26CA-15499-01 (SRC) MONCURE, CHARLES W, VIRGINIA COMMONWEALTH UNIV, 12TH AND MARSHALL STREETS, RICHMOND, VA.** Investigation of specific antigens in prostatic cancer (rabbits).
- R01CA-15500-01 (MB) CORNELIUS, EUGENE A, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN.** Immunologically induced tumors (mice).
- R26CA-15501-01 (SRC) HADD, HARRY E, INDIANA UNIV SCHOOL OF MED, 1100 WEST MICHIGAN STREET, INDIANAPOLIS INDIANA.** Potential prostate cancer screening agent-19-I-DHT (rats, dogs, human).
- R26CA-15502-01 (SRC) CARTER, WILLIAM A, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y.** Virogene in prostatic tissue and fluids (human).
- R26CA-15503-01 (SRC) SATO, GORDON H, UNIV OF CALIFORNIA, SAN DEIGO, POST OFFICE BOX 109, LA JOLLA, CALIF.** Prostatic human tumors in conditioned animals and in culture (mice).
- R01CA-15506-02 (VR) BURLINGHAM, BYRON T, KANSAS STATE UNIVERSITY, DIVISION OF BIOLOGY, MANHATTAN, KANS.** Isolation of molluscum contagiosum virus (human).
- R01CA-15511-01 (RAD) SCHWARZ, GEORGE, ST VINCENT'S HOSP & MED CTR, 153 WEST 11TH STREET, NEW YORK, N Y.** Radiotherapy planning based on cell kinetics (mice).
- R01CA-15512-01 (VR) COMPANS, RICHARD W, ROCKEFELLER UNIVERSITY, 66TH ST & YORK AVENUE, NEW YORK, N Y.** RNA tumor virus structure and biogenesis.
- R01CA-15513-01 (VR) BERG, PAUL, STANFORD UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, STANFORD, CALIF.** Basic mechanisms in viral carcinogenesis.
- R01CA-15516-01 (HEM) KUHNIS, WILLIAM J, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y.** ABO(H) blood groups and blood group enzymes in cancer (human, seeds).
- R01CA-15523-01 (SSS) ADELSTEIN, S JAMES, SHIELD WARREN RADIATION LAB, 50 BINNEY STREET, BOSTON, MASS.** Therapeutic/toxic action of electron emitting nuclides (rodent, virus, rabbit).
- R10CA-15525-01 (CCI) PORTER, F STANLEY, DUKE UNIVERSITY, POST OFFICE BOX 2916, DURHAM, N C.** Southwest Cancer Chemotherapy Study Group.
- R01CA-15529-01 (MCHA) HEGEDUS, LOUIS S, COLORADO STATE UNIVERSITY, DEPT OF CHEMISTRY, FORT COLLINS, COLO.** Antitumor agents-New compounds and new syntheses.
- R01CA-15535-01 (MCHA) HICHT, SIDNEY M, MASSACHUSETTS INST OF TECH, DEPT OF CHEMISTRY, RM 18-407, CAMBRIDGE, MASS.** Specific inhibition of dihydrofolate reductase.
- R01CA-15543-01 (PC) STOFFYN, PIERRE J, MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS.** Structure of glycolipids in oncogenic cells (mice).
- R01CA-15544-02 (CBY) BERLIN, RICHARD D, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF PHYSIOLOGY, FARMINGTON, CONN.** Effect of microtubular proteins on cell surfaces (human).
- R01CA-15549-01 (PTHB) SEEDS, NICHOLAS W, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO.** Neoplastic-normal cell coaggregates (mice).
- R26CA-15551-01 (SRC) FRALEY, ELWIN E, UNIVERSITY OF MINNESOTA HOSP, 412 UNION STREET S E, MINNEAPOLIS, MINN.** Virology and immunology of cancer of the human urothelium.
- R26CA-15553-01 (SRC) TAYLOR, GEOFFREY, DEPT OF BACTERIOLOGY & VIROLOG, UNIVERSITY OF MANCHESTER, MANCHESTER M13 9PL.** Tumor-specific immunity in bladder cancer (human).
- R01CA-15556-01 (PTHA) BELL, C ELLIOTT, JR, BARNES HOSPITAL, DIV OF LABORATORY MEDICINE, ST LOUIS, MO.** Antigens and immunity in bronchogenic carcinoma (human).
- R01CA-15557-01 (VR) RICHARDS, FRANK P, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN.** Immunological activation of oncogenic virus (mice).
- R01CA-15561-01 (VR) JAENISCH, RUDOLF J, SALK INST FOR BIO STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF.** Cellular differentiation and viral oncogenesis (mice).
- R01CA-15564-01 (PTHB) HUMBERT, JAMES R, UNIVERSITY OF COLORADO, 4200 E NINTH AVENUE, DENVER, COLO.** Leukocyte bactericidal power in leukemia (human).
- R01CA-15565-01 (PTHB) RABINOVITCH, MICHEL, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y.** Macrophage and tumor cell interactions (mice).
- R01CA-15566-01 (PTHA) LEIKIN, SANFORD L, CHILDREN'S HOSPITAL, 2125 13TH STREET, N W, WASHINGTON, D C.** Lymphocytotoxicity in neuroblastoma (children).
- R01CA-15567-01 (PTHB) WRIGHT, BARBARA E, BOSTON BIOMEDICAL RES INST, 20 STANFORD STREET, BOSTON, MASS.** Kinetic modeling of rat liver and Morris tumors.
- R01CA-15573-01 (VR) LUFTIG, RONALD B, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS.** Physicochemical studies of viral nucleocapsid assembly.
- R01CA-15574-01 (BND) ONDO, JEROME G, UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C.** Hypothalamic-pituitary function and mammary neoplasia.
- R01CA-15577-01 (ET) CORY, JOSEPH G, UNIVERSITY OF SOUTH FLORIDA, COLLEGE OF MEDICINE, TAMPA, FLA.** Tumor cell inhibition by nucleotide aldehyde analogs (LIZO).
- R10CA-15578-01 (CCI) PORTER, GEORGE H, 3D, OCHSNER FDN HOSP & CLINIC, 1514 JEFFERSON HIGHWAY, NEW ORLEANS, LA.** Southeastern Cancer Study Group.
- R01CA-15579-01 (VR) DE PAMPHILIS, MELVIN L, HARVARD UNIVERSITY, DEPT OF BIOLOGICAL CHEMISTRY, BOSTON, MASS.** Tumor virus DNA replication-A probe into oncogenesis.
- R01CA-15581-01 (MB) DENNIERT, GUNTHER, SALK INST FOR BIO STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF.** Immune response to tumor cell surface antigens (mice).
- R01CA-15583-01 (BBCA) CROTHERS, DONALD M, YALE UNIVERSITY, 225 PROSPECT STREET, NEW HAVEN, CONN.** New approaches to cancer chemotherapy (mice).
- R10CA-15584-01 (CCI) KELLERMAYER, ROBERT W, CLEVELAND VET ADMIN HOSPITAL, 10701 EAST BOULEVARD, CLEVELAND, OHIO.** Southeastern Cancer Study Group.
- R01CA-15585-01 (PTHB) ZOLLA, SUSAN B, N Y UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y.** Soluble mediator of tumor induced immunosuppression (mice).
- R01CA-15586-01 (PTHB) DAVID, GARY S, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF.** Enhancement and cellular injury in tumor systems (rats, human).
- R01CA-15587-01 (PTHB) BYFIELD, JOHN E, HARBOR GENERAL HOSPITAL, 1000 W CARSON STREET, TORRANCE, CALIF.** Immune surveillance?-Studies on a human cancer model.
- R01CA-15590-01 (MCHB) HUFFORD, CHARLES D, UNIVERSITY OF MISSISSIPPI, SCHOOL OF PHARMACY, UNIVERSITY, MISS.** Antitumor agents from West African plants.
- R01CA-15593-01 (RAD) ANDERSON, ROBERT E, UNIVERSITY OF NEW MEXICO, DEPT OF PATHOLOGY, ALBUQUERQUE, N MEX.** Computer-assisted analysis of irradiated lymphocytes (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01CA-15594-01 (RAD) DE GOWIN, RICHARD L, UNIVERSITY OF IOWA HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Effects of radiation on replicating endothelial cells (mice).	P01CA-15655-01 0012 (CAP) HUMPHREYS, T. Cancer center support grant-Molecular and cell biology.
R01CA-15600-01 (MAB) WARNER, MOEL L, WALTER & ELIZA HALL INST, ROYAL MELBOURNE HOSPITAL, PKYLL 3050 VICTORIA AUSTRA. Viral and other antigens of murine plasmacytomas.	P01CA-15655-01 0013 (CAP) KLINFIELD, RUTH G. Cancer center support grant-Acceptance or rejection of malignant cell invasion (rats).
R01CA-15604-02 (PTHA) KINYON, ALAN J, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N. Y. Mastocytomas and lymphoproliferative diseases (mink, ferret, dog, human, chick).	P01CA-15655-01 0014 (CAP) HUMPHREYS, T. Cancer center support grant-Interaction of aggregation factor with cell surface (sponges).
R01CA-15605-01 (ET) EPSTEIN, JOHN M, UNIVERSITY OF CALIFORNIA, DEPT OF DERMATOLOGY 1096 HSE, SAN FRANCISCO, CALIF. Chemotherapeutic agents and ultraviolet carcinogenesis (mice).	P01CA-15655-01 0015 (CAP) HUMPHREYS, T. Cancer center support grant-Cell surface molecules in contact inhibition (slime molds).
R01CA-15611-01 (PTHB) HUANG, SHIH-WEN, UNIVERSITY OF MARYLAND, 22 SOUTH GREENE STREET, BALTIMORE, MD. Monocyte and T-lymphocyte receptors in malignancy (children).	P01CA-15655-01 0016 (CAP) PIETTE, L H. Cancer center support grant-ESR studies of membrane organization.
R01CA-15613-01 (VR) KAESBERG, PAUL J, UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Translation of RNA virus messengers.	P01CA-15655-01 0017 (CAP) MANN, J A. Cancer center support grant-Cell surface fluctuations and contact phenomena (mice).
R01CA-15615-01 (TOX) BANKS, WILLIAM L, JR, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Effects of hydrazines on RNA and polyamines (rats).	P01CA-15655-01 0018 (CAP) LEE, RICHARD K C. Cancer center support grant-Cell surface receptors.
R01CA-15616-01 (ET) RYAN, GORDON A, UNIVERSITY OF PITTSBURGH, 312 ALUMNI HALL, PITTSBURGH, PA. DNA synthesis and antitumor drugs.	P01CA-15655-01 0019 (CAP) MANDEL M. Cancer center support grant-Genetic control of tumor virus infection and cell transformation (mammals).
R01CA-15619-01 (PTHB) CLINE, MARTIN J, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Normal and malignant hematopoietic cell replication (human, rabbits).	P01CA-15655-01 0020 (CAP) POLSONE, C. Cancer center support grant-Fatty acid phospholipid composition and DNA synthesis (bacteria).
R01CA-15621-01 (PC) PRESENT, CARY A, JEWISH HOSPITAL OF ST LOUIS, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Structure of human plasma membrane glycoproteins (human).	P01CA-15655-01 0021 (CAP) HUMPHREYS, S. Cancer center support grant-Visualization of regulatory proteins bound to DNA (E coli).
R01CA-15622-01 (REB) JOHNSON, DONALD C, UNIVERSITY OF KANSAS, 39TH AND RAINBOW, KANSAS CITY, KANS. Endocrinology of experimental ovarian tumors (parabiotic rats).	P01CA-15655-01 0022 (CAP) HUMPHREYS, T. Cancer center support grant-Growth regulation and rRNA synthesis (sea urchins).
R01CA-15626-01 (PC) MASHYURN, THOMPSON A, JR, HOSP FOR JOINT DIS & MED CTR, 1919 MADISON AVENUE, NEW YORK, N. Y. Proteoglycans of normal and malignant cartilage (human, animals).	P01CA-15655-01 0023 (CAP) HUMPHREYS, T. Cancer center support grant-rRNA metabolism during contact inhibition (sea urchins).
R01CA-15627-01 (ET) CRADDOCK, PHILIP R, UNIVERSITY OF MINNESOTA, DEPARTMENT OF MEDICINE, MINNEAPOLIS, MINN. Leukemia chemotherapy and neutrophil dysfunction.	P01CA-15655-01 0024 (CAP) HUNT, J A. Cancer center support grant-mRNA sequences in nuclear RNA (rabbits).
R01CA-15628-01 (MCHB) ABRAMOVITCH, RUDOLPH A, UNIVERSITY OF ALABAMA, POST OFFICE BOX H, UNIVERSITY, ALA. Pyrrole derivatives as anticancer agents.	P01CA-15655-01 0025 (CAP) CHOU, S C. Cancer center support grant-Enzymic control of division cycle (protozoan).
R01CA-15629-01 (PTHB) ZUCKER, STANLEY, VETERANS ADMINISTRATION HOSP, NORTHPORT, N. Y. Pathogenesis of anemia in malignancy (human, rodents).	P01CA-15655-01 0026 (CAP) LENNIE, JAMES F. Cancer center support grant-Tissue proteinases and inhibitors in cell growth (mammals).
R01CA-15630-01 (PTHB) KEROSTRA, KENNETH G, MASSACHUSETTS INST OF TECH, ROOM 56-622, CAMBRIDGE, MASS. Surface glycoproteins of normal and transformed cells (chick embryo, viruses).	P01CA-15655-01 0027 (CAP) MORTON, BRUCE. Cancer center support grant-Cyclic nucleotides and cell division control (mice).
R26CA-15637-01 (SRC) ZEDICK, MORRIS S, SLOAN-KETTERING INST, 410 EAST 68 STREET, NEW YORK, N. Y. A model system for studies of colon carcinogenesis (rats).	P01CA-15655-01 0028 (CAP) GUILLORY, RICHARD J. Cancer center support grant-Orientation of coupling factors (mammals).
R26CA-15638-01 (SRC) WATTENBERG, LEE W, UNIV OF MINNESOTA MED SCH, 198 JACKSON HALL, MINNEAPOLIS, MINN. Inhibition of neoplasia of the large bowel (rats).	P01CA-15655-01 0029 (CAP) NORTON, T R. Cancer center support grant-Cancer chemotherapeutic agents from marine organisms (coelenterates).
R26CA-15639-01 (SRC) COLE, JACK W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Transplantable chemically induced colon cancer in rats.	P01CA-15655-01 0030 (CAP) ARNOLD, J. Cancer center support grant-Influence of egg cortex factors on differentiation (squid).
R26CA-15640-01 (SRC) KING, CHARLES M, MICHAEL REESE HOSP & MED CTR, 29TH AND ELLIS AVENUE, CHICAGO, ILL. Urinary bladder tumorigenesis (dogs, rabbits, human).	P01CA-15655-01 0031 (CAP) LEE, RICHARD K C. Cancer center support grant-Marine environment program.
R01CA-15640-01 (PTHB) CROGOWSKI, WALTER S, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PA, UNIVERSITY PARK, PA. Leukemogenesis and cellular immunity (viruses, mice).	P01CA-15655-01 0032 (CAP) SUN, RYANG. Cancer center support grant-Acupuncture treatment for relief of pain (human).
R01CA-15644-01 (CBY) ROVERA, GIOVANNI, TEMPLE UNIV HLTH SCIENCES CTR, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Control mechanisms of the G0 phase of the cell (tissue culture).	P01CA-15655-01 0033 (CAP) OISHI, NOBORU. Cancer center support grant-Cytogenetic screening-Hematologic disorders (human).
R01CA-15645-01 (BCCB) ELLIS, PAUL D, UNIVERSITY OF SOUTH CAROLINA, DEPARTMENT OF CHEMISTRY, COLUMBIA, S C. NMR studies of folate-enzyme interactions.	P01CA-15655-01 0034 (CAP) ARAKAKI, DAVID T. Cancer center support grant-Cytogenetic screening-Endometrial disorders (human).
R01CA-15647-01 (PTHB) GARRETT, CARLTON T, UNIVERSITY OF SOUTH FLORIDA, 4202 E FOWLER AVENUE, TAMPA, FLA. Heterogeneous RNA sequences in liver neoplasms (rats).	P01CA-15655-01 0035 (CAP) GOLDSTEIN, NORMAN. Cancer center support grant-Early diagnosis of skin cancer by ultraviolet video techniques (human).
R01CA-15648-01 (END) GURPIDE, ERLIO, MT SINAI SCH OF MED - C U N Y, 1176 FIFTH AVENUE, NEW YORK, N. Y. Steroid dynamics in human, endometrial cancer (human).	P01CA-15655-01 0036 (CAP) SCHROFFNER, WERNER. Cancer center support grant-Paraneoplastic endocrine syndromes-Screening project (human).
R01CA-15653-04 (PC) SALO, WILMAR L, UNIVERSITY OF MINNESOTA, 2205 EAST 5TH STREET, DULUTH, MINN. Biochemistry of amino sugars (bacteria).	P01CA-15655-01 0037 (CAP) OISHI, NOBORU. Cancer center support grant-D-amino acid oxidase and glutathione peroxidase (human).
P01CA-15655-01 (CAP) LEE, RICHARD K, UNIVERSITY OF HAWAII RES CORP, 1110 UNIVERSITY AVE, HONOLULU, HAWAII. Cancer center support grant.	P01CA-15655-01 0038 (CAP) EDYNAK, EUGENE. Cancer center support grant-Immunodiagnosis and immunotherapy of cancer (human).
P01CA-15655-01 0001 (CAP) BENEDICT, A A. Cancer center support grant-Immunological model of Marek's disease (chickens).	P01CA-15655-01 0039 (CAP) BOYER, CARL W. Cancer center support grant-Radiation therapy (human).
P01CA-15655-01 0002 (CAP) VANN, DOUGLAS C. Cancer center support grant-Cellular level of immunosuppression (mice).	P01CA-15655-01 0040 (CAP) MCNAMARA, J JUDSON. Cancer center support grant-Neoplastic response to 5-fluorouracil therapy (human).
P01CA-15655-01 0003 (CAP) VANN, DOUGLAS C. Cancer center support grant-Experimental manipulation of tumor immunity (mice).	P01CA-15655-01 0041 (CAP) MCNAMARA, J JUDSON. Cancer center support grant-Serum gastrin levels (human).
P01CA-15655-01 0034 (CAP) CHOW, J S. Cancer center support grant-Host variables in response to herpes and mitogens (human).	R01CA-15654-01 (END) GRAHAM, CHARLES E, EMORY UNIVERSITY, YERKES REGIONAL PRIM RES CTR, ATLANTA, GA. Carcinogenic action of estrogens in primates.
P01CA-15655-01 0005 (CAP) LOM, P. Cancer center support grant-Virus etiology in neoplasms in ethnic in Hawaii.	R01CA-15659-01 (ET) AYLING, JUNE E, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Inhibition of pteridine enzymes in cancer chemotherapy (rats, human).
P01CA-15655-01 0006 (CAP) HALSTEAD, SCOTT B. Cancer center support grant-Relationship between frequency of antibody and cancer (human).	R01CA-15644-01 (PTHB) GOLDFARB, STANLEY, UNIVERSITY OF WISCONSIN, DEPT OF PATHOLOGY, MADISON, WIS. Cholesterol metabolism in hepatic neoplasms.
P01CA-15655-01 0007 (CAP) FURUSAWA, E. Cancer center support grant-Chemotherapy of Rauscher leukemia and transplanted tumors (mice).	P01CA-15665-01 (CAK) MEDOFF, GERALD, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Curing of leukemic mice with amphotericin B and BCNU.
P01CA-15655-01 0008 (CAP) PIETTE, L H. Cancer center support grant-Carcinogenesis (human).	P01CA-15667-01 (SRC) MAHER, JOHN G, GEORGE WASHINGTON UNIVERSITY, 901 23RD STREET, N W, WASHINGTON, D C. Exploratory studies in cancer research (human).
P01CA-15655-01 0009 (CAP) RASHAD, A. Cancer center support grant-Genetic studies in cancer (human, animals).	R01CA-15670-01 (RAD) SBARRA, ANTHONY J, ST MARGARET'S HOSPITAL, 90 CUSHING AVENUE, BOSTON, MASS. Effects of x-irradiation on the phagocytic response (human, mammals nonhuman).
P01CA-15655-01 0010 (CAP) SIEGEL, S. Cancer center support grant-Metal carcinogenesis in model plant systems.	R01CA-15671-01 (ALY) DETTMAN, GERALDINE L, UNIVERSITY OF CALIFORNIA, CALIFORNIA COLLEGE OF MEDICINE, IRVINE, CALIF. Myeloma proteins, mechanisms of synthesis regulation.
P01CA-15655-01 0011 (CAP) PIETTE, L H. Cancer center support grant-Nitrite and secondary amine levels in Japanese diets.	R01CA-15678-01 (ET) BANNIEY, DAVID F, VETERANS ADMIN RESEARCH HOSP, 333 EAST HURON STREET, CHICAGO, ILL. Chalone regulation of human lymphoid neoplasms (tissue culture, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01CA-15686-01 (BDC) MANTON, NATHAN, 7979 OLD GEORGETOWN ROAD, BETHESDA, MD. Cancer epidemiology-Statistical methods (human).

R01CA-15687-01 (BIO) WICKS, WESLEY D, UNIVERSITY OF COLORADO, 4200 E 9TH AVENUE, DENVER, COLO. CAMP analogs as growth regulators in hepatoma cells.

P02CA-15688-01 (CAP) CLINE, MARTIN J, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Program in medical oncology.

P02CA-15688-01 0001 (CAP) CLINE, MARTIN J. Program in medical oncology-Normal and malignant hematopoietic cell differentiation (human).

P02CA-15688-01 0002 (CAP) CLINE, MARTIN J. Program in medical oncology-Control of normal hematopoiesis (human, laboratory animals).

P02CA-15688-01 0008 (CAP) CLINE, MARTIN J. Program in medical oncology-Separation of hematopoietic stem cells and immunocytes.

P02CA-15688-01 0004 (CAP) TOOHAY, JOHN. Program in medical oncology-Vitamin B12 antagonists as anti-cancer agents.

P02CA-15688-01 0005 (CAP) LEHRER, ROBERT I. Program in medical oncology-Antimicrobial defense systems of human leukocytes.

P02CA-15688-01 0006 (CAP) CLINE, MARTIN J. Program in medical oncology-Defective leukocyte syndromes (human).

P02CA-15688-01 0007 (CAP) CLINE, MARTIN J. Program in medical oncology-Leukocyte acidification mechanisms (human).

P02CA-15688-01 0008 (CAP) CLINE, MARTIN J. Program in medical oncology-Leukocyte procurement methodology.

P02CA-15688-01 0009 (CAP) HASKELL, CHARLES M. Program in medical oncology-Chemotherapy and autologous marrow transplantation (monkeys, mice).

P02CA-15688-01 0010 (CAP) HASKELL, CHARLES M. Program in medical oncology-Combination radio-chemotherapy for Hodgkin's disease.

P02CA-15688-01 0011 (CAP) SPINACK, SAMUEL D. Program in medical oncology-Combination radio-chemotherapy for non-Hodgkin's lymphoma.

P02CA-15688-01 0012 (CAP) ALBERTS, DAVID S. Program in medical oncology-Combination radio-chemotherapy of testis neoplasms.

P02CA-15688-01 0013 (CAP) GOLDS, DAVID W. Program in medical oncology-Remission induction in adult non-lymphocytic leukemia.

P02CA-15688-01 0014 (CAP) CLINE, MARTIN J. Program in medical oncology-Combination radio and chemotherapy of oat cell lung carcinoma.

P02CA-15688-01 0015 (CAP) CLINE, MARTIN J. Program in medical oncology-Adjuvant chemotherapy, carcinoma of the breast.

P02CA-15688-01 0016 (CAP) CLINE, MARTIN J. Program in medical oncology-Intensive combination therapy, ovarian carcinoma.

P02CA-15688-01 0017 (CAP) CLINE, MARTIN J. Program in medical oncology-Chemotherapy-immunotherapy of malignant melanoma.

P02CA-15688-01 0018 (CAP) ALBERTS, DAVID S. Program in medical oncology-Interaction of chemotherapeutic agents (mice).

P02CA-15688-01 0019 (CAP) ALBERTS, DAVID S. Program in medical oncology-Interacting effects of anticancer and other drugs (mice).

P02CA-15688-01 0028 (CAP) ALBERTS, DAVID S. Program in medical oncology-Myeloma kinetics (human).

P02CA-15688-01 0021 (CAP) FAMEY, JOHN L. Program in medical oncology-Bone marrow transplantation in neoplastic diseases.

R01CA-15691-01 (ET) TAKITA, HIROSHI, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Immunotherapy in lung carcinoma with autologous tumor (mice, human).

R01CA-15694-01 (PC) HOSTETLER, KARL Y, VETERANS ADMINISTRATION HOSPIT, 3550 LA JOLLA VILLAGE DRIVE, SAN DIEGO, CALIF. Membrane phospholipid metabolism in tumors (human).

R01CA-15696-01 (ET) LUDLUM, DAVID B, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD. Molecular pharmacology of the nitrosones (chemical models).

R01CA-15697-01 (MBY) CHANEY, STEPHEN G, UNIVERSITY OF NORTH CAROLINA, DEPT OF BIOCHEMISTRY, CHAPEL HILL, N. C. Altered RNA metabolism in chronic lymphocytic leukemia (human).

P01CA-15704-01 (CAP) HUTCHINSON, WILLIAM B, FRED HUTCHINSON CANCER RSCH CT, 1102 COLUMBIA STREET, SEATTLE, WASH. Cancer center support grant.

P01CA-15704-01 0001 (CAP) HELLSTROM, KARL-ERIK. Cancer center support grant-Tumor immunology (rats, human, mice).

P01CA-15704-01 0002 (CAP) HAKOMORI, SEN-ITTOH. Cancer center support grant-Biochemical oncology.

P01CA-15704-01 0033 (CAP) SCRIBNER, JOHN D. Cancer center support grant-Chemical carcinogenesis (rats, tissue culture).

P01CA-15704-01 0004 (CAP) FLETCHER, T LLOYD. Cancer center support grant-Oncologic organic chemistry.

P01CA-15704-01 0027 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Viral oncology.

P01CA-15704-01 0028 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Oncologic pharmacology (human).

P01CA-15704-01 0029 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Pathology-Electron microscopy.

P01CA-15704-01 0030 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Visiting scientists.

P01CA-15704-01 0031 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Surgical transplant program.

P01CA-15704-01 0032 (CAP) THOMPSON, DONOVAN J. Cancer center support grant-Biostatistics-epidemiology.

P01CA-15704-01 0033 (CAP) OPPENHEIMER, GERALD. Cancer center support grant-Library services and information.

P01CA-15704-01 0034 (CAP) LEHMANN, JUSTUS F. Cancer center support grant-Rehabilitation.

P01CA-15704-01 0035 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Northwest cooperative cancer study group.

P01CA-15704-01 0036 (CAP) WILDERMUTH, ORLISS. Cancer center support grant-Therapeutic radiology.

P01CA-15704-01 0037 (CAP) HABTMANN, JOHN R. Cancer center support grant-Pediatric oncology.

P01CA-15704-01 0040 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Extramural pathology.

P01CA-15704-01 0041 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Breast cancer detection.

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P01CA-15704-01 0042 (CAP) SPIELHOLZ, JESS B. Cancer center support grant-Uterine cancer.

P01CA-15704-01 0043 (CAP) BRIGGS, RICHARD. Cancer center support grant-Gyne corps.

P01CA-15704-01 0044 (CAP) SPIELHOLZ, JESS B. Cancer center support grant-Regional cancer council.

P01CA-15704-01 0045 (CAP) HUTCHINSON, WILLIAM B. Cancer center support grant-Affiliated American cancer society programs.

R01CA-15716-01 (VR) BALDUZZI, PIERO C, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Genetic studies of RNA tumor viruses (birds, chick embryo).

R01CA-15722-01 (VR) KIEHN, EDWARD D, UNIVERSITY OF WASHINGTON, DEPT OF MICROBIOLOGY SC-15, SEATTLE, WASH. Viral genes in malignant transformation.

R01CA-15728-01 (PTHB) GASIC, GABRIEL J, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Role of platelets and clotting in metastasis (mice, human).

R01CA-15733-01 (BIO) JACOB, SAMSON T, PENNSYLVANIA STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, HERSHEY, PA. Mitochondrial polyadenylation in neoplasia (rats).

R01CA-15735-01 (PC) RATZ, JOSEPH, CEDARS-SINAI MED CTR RES INST, 4751 FOUNTAIN AVE, LOS ANGELES, CALIF. Metabolism and reducing equivalents in ascites tumor (mice).

R01CA-15736-01 (MCHB) HARDING, KENN E, DEPT OF CHEMISTRY, TEXAS A&M UNIVERSITY, COLLEGE STATION, TEX. Synthesis of tumor inhibitory sesquiterpenoids.

R01CA-15739-01 (BIO) BLACK, JOHN A, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Nature of pyruvate kinase isozyme change in neoplasia (human).

R01CA-15743-01 (VR) WILSON, JOHN M, BAYLOR COLLEGE OF MEDICINE, TEXAS MEDICAL CENTER, HOUSTON, TEX. Oncogenic mechanisms-SV40 and host genetic analysis.

R01CA-15744-01 (CBY) RUBIN, HARRY, UNIVERSITY OF CALIFORNIA, STANLEY HALL, BERKELEY, CALIF. Primary events in regulation cell multiplication (chick embryo).

R01CA-15747-01 (VR) PAN, HUNG Y, SALK INST FOR BIOL STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Cellular RNA metabolism of RNA tumor viruses.

R01CA-15751-01 (VR) LIVINGSTON, DAVID M, CHILDREN'S CANCER RES FDN, INC, 35 BINNEY STREET, BOSTON, MASS. Function of tumor virus specific non-virion proteins.

R01CA-15757-01 (ET) BIERNACKI, RALPH J, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Plasma membrane recognition in tumor chemotherapy (rats).

R01CA-15759-01 (MCHA) KROW, GRANT R, TEMPLE UNIVERSITY, DEPT OF CHEMISTRY, PHILADELPHIA, PA. Synthesis of the antileukemic lignan steganacin.

R01CA-15760-01 (TOX) FRANKLIN, MICHAEL R, UNIVERSITY OF UTAH, DEPT OF BIOPHARM SCI, SALT LAKE CITY, UTAH. Modification of polycyclic hydrocarbon carcinogenesis (rats).

R26CA-15766-01 (SRC) KAIGHN, M EDWARD, W ALTON JONES CELL SCI CTR, P O BOX 631, LAKE PLACID, N. Y. Monolayer cultures of human prostate carcinoma (also hamsters).

R01CA-15769-01 (ET) MAHN, GEORGE M, STANFORD UNIVERSITY, STANFORD, CALIF. Chemotherapy-Cytotoxicity, repair and its inhibition (tissue culture, mice).

R01CA-15771-01 (MCHB) MARICICH, TOM J, NORTH DAKOTA STATE UNIVERSITY, FARGO, N DAK, FARGO, N DAK. Potential carcinostatic trithiaziazines.

R01CA-15773-01 (END) SOMENBERG, MARTIN, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N. Y. Hormone-membrane interaction in neoplasia (human).

R01CA-15775-01 (END) MATOVINOVIC, JOSIP, UNIVERSITY HOSPITAL, 1405 EAST ANN STREET, ANN ARBOR, MICH. Epigenetic processes in thyroid carcinoma (human, rats).

R01CA-15777-01 (PTHB) ENKIER, WARREN E, UNIVERSITY OF CHICAGO HOSPS, 950 E 59TH ST, BOX 440, CHICAGO, ILL. Experimental colonic carcinoma-immunologic evaluation (rats, human).

R01CA-15784-01 (PTHA) MARTIN, R RUSSELL, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Human macrophages and other cells in carcinogenesis (human).

R01CA-15785-01 (ET) MULLER, JAMES A, UNIVERSITY OF WISCONSIN, 450 N RANDALL AVENUE, MADISON, WIS. Metabolic activation of chemical carcinogens.

R01CA-15788-01 (MHB) HILDEMAN, WILLIAM H, UNIVERSITY OF CALIFORNIA, CTR FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Mechanisms of immunoblocking versus tumor immunity (mice, rats).

R01CA-15792-01 (PTHA) SHAPIRO, WILLIAM R, SLOAN-KETTERING INSTITUTE, 425 EAST 68TH STREET, NEW YORK, N. Y. Treatment of experimental nervous system tumors (mice, rats, human).

R01CA-15796-01 (END) FANESTIL, DARRELL D, UNIV OF CALIFORNIA, SAN DIEGO, DEPT OF MEDICINE, LA JOLLA, CALIF. Steroid hormonal effects on renal carcinoma (hamsters).

R26CA-15798-01 (SRC) MOSTOFI, FATHOLLAH K, ARMED FORCES INSTITUTE OF PATH, WASHINGTON, D. C.. Histopathological grading of carcinoma of prostate (human).

R26CA-15799-01 (SRC) GOLDENBERG, DAVID M, DEPT OF PATHOLOGY, UNIV OF KENTUCKY MED CTR, LEXINGTON, KY. A model for colonic cancer-associated antigens (human, hamsters).

R01CA-15802-01 (BRCA) KIM, SUNG-HOU, DUKE UNIVERSITY, 208 MEDICAL SCIENCES I, DURHAM, N. C. Crystalline complexes of RNA with small molecules (yeast).

R26CA-15803-01 (SRC) KOSS, LEOPOLD G, MONTEFIORE HOSP & MED CENTER, 111 E 210TH STREET, BRONX, N. Y. Automation of bladder cancer cytology by TICAS (human).

R26CA-15804-01 (SRC) BROWN, ARNOLD L, JR, MAYO FOUNDATION, 200 FIRST STREET, S W, ROCHESTER MINN. Histological grading of prostatic carcinoma (human).

R01CA-15803-01 (ALY) GOTTLIEB, PAUL D, MASSACHUSETTS INST OF TECH, RM 56-423, CTR FOR CANCER RES, CAMBRIDGE, MASS. Genetic markers, leukemogenesis and thymic function (mice, rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01CA-15811-01 (UMB) HIBBS, JOHN B, JR.**, UNIVERSITY OF UTAH, DEPT OF INTERNAL MEDICINE, SALT LAKE CITY, UTAH. Host resistant to cancer (human, mice).
- R01CA-15813-01 (MET) BAKER, NOME**, DEPT OF MEDICINE, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Lipid transport, synthesis and metabolism in cancers (mice).
- R01CA-15819-01 (VR) GOTTLIEB, A ARTHUR**, RUTGERS UNIVERSITY, INSTITUTE OF MICROBIOLOGY, NEW BRUNSWICK, N J. Inhibitor of DNA polymerase in sera of tumor-bearing mice.
- P01CA-15820-01 (CAP) GILLETTE, EDWARD L.**, COLORADO STATE UNIVERSITY, VETERINARY HOSPITAL, ROOM 202, FT COLLINS, COLO. Comparative Oncology Research Program.
- P01CA-15820-01 0001 (CAP) MADEWELL, BRUCE R.** Comparative Oncology Research Program-Animal patient management.
- P01CA-15820-01 0002 (CAP) JAENKE, ROGER S.** Comparative Oncology Research Program-Histologic and ultrastructural studies (dogs).
- P01CA-15820-01 0003 (CAP) ANGLETON, GEORGE W.** Comparative Oncology Research Program-Statistical analysis.
- P01CA-15820-01 0004 (CAP) GILLETTE, EDWARD L.** Comparative Oncology Research Program-Therapeutic studies-Radiation dose response assays.
- P01CA-15820-01 0005 (CAP) GILLETTE, EDWARD L.** Comparative Oncology Research Program-Therapeutic studies-Normal tissue response.
- P01CA-15820-01 0006 (CAP) MADEWELL, BRUCE R.** Comparative Oncology Research Program-Therapeutic studies-Radiation and adriamycin in osteogenic sarcoma (dogs).
- P01CA-15820-01 0009 (CAP) SAVAGE, ELTON E.** Comparative Oncology Research Program-Epidemiology.
- P01CA-15822-01 (CAK) WILSON, DARCY B.**, DEPT OF PATHOLOGY, UNIV OF PENN SCH OF MED, PHILA, PA. Immunobiology of normal and neoplastic lymphocytes.
- P01CA-15822-01 0001 (CAK) WILSON, DARCY B.** Immunobiology of normal and neoplastic lymphocytes-Immunobiology of T lymphocytes (rats).
- P01CA-15822-01 0002 (CAK) KLINMAN, NORMAN R.** Immunobiology of normal and neoplastic lymphocytes-B-cell immunology.
- P01CA-15822-01 0003 (CAK) KLINMAN, NORMAN R.** Immunobiology of normal and neoplastic lymphocytes-Specificity of T cells in humoral immunity (mammals).
- P01CA-15822-01 0004 (CAK) ELKINS, WILLIAM L.** Immunobiology of normal and neoplastic lymphocytes-Lymphocyte responses to allogeneic cells (mice, rats).
- P01CA-15822-01 0005 (CAK) SILVERS, WILLYS K.** Immunobiology of normal and neoplastic lymphocytes-Lymphocytes and transplantation immunology (hamsters, rats, mice).
- P01CA-15822-01 0006 (CAK) GASSER, DAVID.** Immunobiology of normal and neoplastic lymphocytes-Genetic aspects of immune surveillance (mice).
- P01CA-15822-01 0007 (CAK) ROWLANDS, DAVID T, JR.** Immunobiology of normal and neoplastic lymphocytes-Surface receptors on human lymphocytes.
- P01CA-15823-01 (CAK) PIERCE, G BARRY**, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Program in developmental biology of cancer.
- P01CA-15823-01 0001 (CAK) LEHMAN, JOHN M.** Program in developmental biology of cancer-Developmental studies of transformed cells.
- P01CA-15823-01 0002 (CAK) SILVERBERG, STEVEN G.** Program in developmental biology of cancer-Squamous differentiation in endometrial carcinoma (human, hamsters).
- P01CA-15823-01 0003 (CAK) NAKANE, PAUL K.** Program in developmental biology of cancer-Functional and nuclear differentiation (rats, rabbits).
- P01CA-15823-01 0004 (CAK) HUFFER, WILLIAM E.** Program in developmental biology of cancer-Biologic behavior of chondrogenic cells (chick embryo, hamsters).
- P01CA-15823-01 0005 (CAK) MARTINEZ, ANTONIO.** Program in developmental biology of cancer-Lysis of basement membranes in neoplastic tissues (mice).
- P01CA-15823-01 0006 (CAK) ERIKSON, RAYMOND L.** Program in developmental biology of cancer-Structure and replication of oncornaviruses.
- P01CA-15823-01 0007 (CAK) ERIKSON, RAYMOND L.** Program in developmental biology of cancer-Viral and cellular events in transforming cells (chick embryo).
- P01CA-15823-01 0008 (CAK) GORDON, JULIUS A.** Program in developmental biology of cancer-Neoplastic membranes (human).
- P01CA-15823-01 0009 (CAK) FINK, LOUIS M.** Program in developmental biology of cancer-Membrane changes in neoplastic transformation (hamsters).
- R01CA-15824-01 (MCHA) DIAS, JERRY R.**, UNIVERSITY OF MISSOURI, 5100 ROCKHILL ROAD, KANSAS CITY, MO. Synthesis of antileukemic analogs of quassin.
- R01CA-15825-01 (PTHB) PARSONS, JONATHAN A.**, UNIVERSITY OF IOWA, DEPARTMENT OF ANATOMY, IOWA CITY, IOWA. Development of neoplastic pituitary tumor cells (rats).
- R01CA-15826-01 (MCHB) LIPPARD, STEPHEN J.**, COLUMBIA UNIVERSITY, BOX 611 HAVEMEYER, NEW YORK, N Y. Metal binding to polynucleotides-Probes and drugs.
- R01CA-15831-01 (MBY) MICHAELS, GEORGE A.**, DARTMOUTH MEDICAL SCHOOL, DEPT OF MICROBIOLOGY, HANOVER, N H. Nuclear envelope in normal and tumor cells (mice).
- R01CA-15833-01 (RAD) EDWARDS, W STERLING**, UNM SCHOOL OF MEDICINE, ALBUQUERQUE, N MEX. Radiofrequency heat for cancer therapy (cats, dogs, mice).
- R01CA-15834-01 (CBY) TYSON, GRETA E.**, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Vinblastine effects on cell structure and function (fish).
- R01CA-15837-01 (ET) MENZIES, ROBERT A.**, NOVA UNIVERSITY, COLLEGE AVENUE, FORT LAUDERDALE, FLA. Chalones and cancer chemotherapy.
- R01CA-15842-01 (PTHB) KNIKER, WILLIAM T.**, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Immunological aspects of cancer and infection (baboon, cebus monkey, marmoset).
- P01CA-15848-01 (CAP) COOPERBAND, SIDNEY R.**, BOSTON UNIV SCH OF MED, 80 E CONCORD STREET, BOSTON, MASS. New approaches to tumor immunotherapy.
- R01CA-15857-01 (SSS) KRAKOFF, IRWIN H.**, SLOAN-KETTERING INSTITUTE, 444 EAST 68TH STREET, NEW YORK, N Y. Clinical chemotherapy and pharmacology.
- R01CA-15858-01 (MBY) LIPTON, ALLAN**, MILTON S HERSHEY MEDICAL CTR, DEPARTMENT OF MEDICINE, HERSHEY, PA. Control of growth of malignant cells by serum factors (mouse fibroblast).
- R01CA-15859-01 (ET) BECKER, FREDERICK F.**, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Cellular events in chemical carcinogenesis (rats, xenopus laevis).
- R01CA-15860-01 (ET) ROBERTS, JOSEPH**, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Program for development of new antitumor enzymes (mice).
- R01CA-15865-01 (BM) LARSON, CARL L.**, UNIVERSITY OF MONTANA, STELLA DUNCAN MEMORIAL INST, MISSOULA, MONT. Inhibition of melanomas by cell walls and lipids (mycobacterium, mice).
- R01CA-15874-01 (BIO) SCHAAP, A PAUL**, WAYNE STATE UNIVERSITY, 277 CHEMISTRY BUILDING, DETROIT, MICH. Enzymatically generated singlet oxygen in carcinogenesis.
- R01CA-15879-01 (BBCA) CAMERMAN, ARTHUR**, UNIVERSITY OF WASHINGTON, DIV OF NEUROLOGY RG-20, SEATTLE, WASH. Stereochemical principles for anti-cancer drugs.
- R01CA-15880-01 (MCHA) HEINE, HAROLD W.**, BUCKNELL UNIVERSITY, DEPT OF CHEMISTRY, LEWISBURG, PA. Reactions and synthesis of diaziridines.
- R01CA-15882-01 (RAD) CHESLER, DAVID A.**, MASSACHUSETTS GEN HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Transverse section x-ray camera (human).
- R01CA-15883-01 (MBY) WEISS, BENJAMIN**, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Agents inhibiting phosphodiesterases of cancer cells (mice, human).
- R01CA-15889-01 (CBY) ROBLIN, RICHARD O, 3D.**, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Cell surface changes in viral oncogenesis (mice).
- R01CA-15891-01 (BIO) WETLAUFER, DONALD B.**, DEPT OF BIOCHEMISTRY, 227 MILLARD HALL, MINNEAPOLIS, MINN. Mechanism of lysozyme action on mammalian cells (human, chicken).
- R01CA-15895-01 (ALY) GREY, HOWARD M.**, NATL JEWISH HOSP & RES CENTER, 3800 E COLFAX AVENUE, DENVER, COLO. Neoplastic and normal lymphocytes-Membrane structure.
- R01CA-15897-01 (TOX) CINTI, DOMINICK L.**, UNIVERSITY OF CONNECTICUT, HEALTH CENTER, ROUTE 4, FARMINGTON, CONN. Aryl hydrocarbon hydroxylase induction in rat kidney.
- R01CA-15898-01 (MCHA) TURCOTTE, JOSEPH G.**, LOWER COLLEGE ROAD, KINGSTON, R I. Cytotoxic agents affecting cell membrane biogenesis.
- R01CA-15901-01 (RAD) GREGG, EARLE C.**, CASE WESTERN RESERVE UNIV, 2064 ABINGTON ROAD, CLEVELAND, OHIO. Mutants and altered radiosensitivity of cells and tumors (mice).
- R01CA-15902-01 (RAD) BAKER, HILLIER L, JR.**, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Computerized roentgenologic/clinical diagnostic methods (human).
- R01CA-15905-01 (MBY) YU, FU-LI**, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Ribosomal RNA synthesis in normal and cancer cells.
- R01CA-15909-01 (SSS) CHU, MING Y.**, ROGER WILLIAMS GENERAL HOSP, 825 CHALKSTONE AVENUE, PROVIDENCE, R I. Drug development-human leukemia growth factors.
- R01CA-15909-01 0001 (SSS) CHU, MING Y.** Drug development-human leukemia growth factors-Human leukemic cells and anticancer agents in culture.
- R01CA-15909-01 0002 (SSS) CHU, MING Y.** Drug development-human leukemia growth factors-Drug combination studies (mice, human).
- R01CA-15909-01 0003 (SSS) CHU, MING Y.** Drug development-human leukemia growth factors-Cell culture studies of synthetic and natural products (mice, human).
- R01CA-15909-01 0004 (SSS) FISCHER, G.** Drug development-human leukemia growth factors-Animal tumor studies and toxicology (mice, rats).
- R01CA-15911-01 (ET) HAUSWIRTH, JUDITH W.**, BIOCHEMISTRY RESEARCH DIVISION, SINAI HOSPITAL OF BALTIMORE, BALTIMORE, MD. Nutrition and chemical carcinogenesis (rats).
- R01CA-15915-01 (BIO) BROWN, NEAL C.**, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY OF MASSACHUSETTS, WORCESTER, MASS. A molecular probe for the study of DNA replication (bacteria).
- R01CA-15917-01 (PC) LUNDEEN, CARL V.**, UNIVERSITY OF NORTH CAROLINA, DEPT OF CHEMISTRY, WILMINGTON, N C. Nitrogen metabolism and plant neoplastic state.
- R01CA-15923-01 (BIO) SMELTON, KEITH R.**, MEDICAL COLLEGE OF VIRGINIA, BOX 727, 1200 E BROAD STREET, RICHMOND, VA. Nonhistone proteins of reactivated erythrocyte nuclei (chick, HeLa cells).
- R01CA-15924-01 (GMB) ARIEFF, ALLEN I.**, CEDARS-SINAI MEDICAL CENTER, 8720 BEVERLY BOULEVARD, LOS ANGELES, CALIF. Treatment of brain edema due to metastatic cancer (dogs).
- P01CA-15925-01 (SRC) MONARDO, GEORGE D.**, 45 CASTRO STREET, SAN FRANCISCO, CALIF. Exploratory studies in cancer research (human).
- R01CA-15926-01 (HEM) DREYER, WILLIAM J.**, CALIFORNIA INSTITUTE OF TECH, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Immune reagents for tumor research and immunotherapy (mice).
- R01CA-15928-01 (PTHB) YOUNG, CHARLES W.**, SLOAN-KETTERING INSTITUTE, 410 EAST 68TH STREET, NEW YORK, N Y. Pathophysiology of Hodgkin's disease (human).
- R13CA-15932-01 (NSS) MENDELSON, MORTIMER L.**, LAWRENCE LIVERMORE LAB, POST OFFICE BOX 808, LIVERMORE, CALIF. Engineering foundation conference-Automatic cytology (California).
- R26CA-15933-01 (BP) SCHMIDT, JOSEPH D.**, UNIVERSITY OF IOWA, NEWTON ROAD, IOWA CITY, IOWA. Primary urinary bladder neoplasms (human).
- R26CA-15934-01 (BP) COX, CLAIR E.**, UNIVERSITY OF TENN MEDICAL COL, 800 MADISON AVE PO BOX 635, MEMPHIS, TENN. National Bladder Cancer Collaborative Group A.
- P01CA-15936-01 (CAK) HOLLAND, JAMES F.**, MT SINAI SCHOOL OF MEDICINE, ONE EAST 100TH STREET, NEW YORK, N Y. Specialized Cancer Center.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01CA-15936-01 0001 (CAK) OHNUMA, TAKAO. Specialized Cancer Center-Preclinical chemotherapy (mammals, human).

P01CA-15936-01 0002 (CAK) ROBOZ, JOHN. Specialized Cancer Center-Potato phenylalanine ammonia-lyase antitumor activity (human, mice).

P01CA-15936-01 0003 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Early clinical trial (human).

P01CA-15936-01 0004 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Chemotherapeutic agents and metabolites in the body (human).

P01CA-15936-01 0005 (CAK) YATES, JEROME. Specialized Cancer Center-Drugs (dog, monkey, human).

P01CA-15936-01 0006 (CAK) KEUSCH, GERALD. Specialized Cancer Center-Kinetics (human).

P01CA-15936-01 0007 (CAK) HIRSCHMAN, S. Specialized Cancer Center-Activity trials (human).

P01CA-15936-01 0008 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Extended clinical trials (human).

P01CA-15936-01 0009 (CAK) ROSENFELD, RICHARD E. Specialized Cancer Center-Specialized supportive care during chemotherapy (human).

P01CA-15936-01 0010 (CAK) HOLLAND, JIMMIE C B. Specialized Cancer Center-Host resistance to infection in cancer patients (human).

P01CA-15936-01 0011 (CAK) BEKESI, J GEORGE. Specialized Cancer Center-Infections in patients with cancer (human).

P01CA-15936-01 0012 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Blood component therapy-Platelets (human).

P01CA-15936-01 0013 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Blood component therapy-Granulocytes (human).

P01CA-15936-01 0014 (CAK) ROSENFELD, RICHARD E. Specialized Cancer Center-Donor selection for platelet and granulocyte transfusions (human).

P01CA-15936-01 0015 (CAK) HOLLAND, JIMMIE C B. Specialized Cancer Center-Psychological aspects of cancer (human).

P01CA-15936-01 0016 (CAK) BEKESI, J GEORGE. Specialized Cancer Center-Immunological research (human, mice).

P01CA-15936-01 0017 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Biochemical diagnosis (mammals, human).

P01CA-15936-01 0018 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Research ward staffing.

P01CA-15936-01 0019 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Research clinic equipment and staffing.

P01CA-15936-01 0020 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Microcluster beds staffing.

P01CA-15936-01 0021 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Social service staffing.

P01CA-15936-01 0022 (CAK) HOLLAND, JAMES F. Specialized Cancer Center-Computer support laboratory.

R26CA-15937-01 (BP) MURPHY, GERALD P, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. National Bladder Cancer Collaborative Group A.

R10CA-15938-01 (CCI) NEWALL, JOSEPH, NEW YORK UNIVERSITY, 560 FIRST AVENUE, NEW YORK, N. Y. Radiation Therapy Oncology Group.

R01CA-15940-01 (PC) SALSBERG, WINSTON A, DEPARTMENT OF BIOLOGY, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Determining sequences from hemoglobin messenger RNA.

R01CA-15941-01 (VR) CARBON, JOHN A, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL SCIENCES, SANTA BARBARA, CALIF. Simian virus 40 DNA.

R26CA-15944-01 (BP) PROUT, GEORGE R, JR, MASSACHUSETT GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Evaluation of bladder cancer patients management.

R26CA-15945-01 (BP) FRIEDRICH, GILBERT H, ST VINCENT HOSPITAL, 25 WINTHROP STREET, WORCESTER, MASS. Studies on experimental bladder tumors (rats).

R13CA-15946-01 (NSS) OGURA, JOSEPH H, WASHINGTON UNIV SCHOOL OF MED, 517 SOUTH EUCLID AVENUE, ST LOUIS, MO. Centennial conference on laryngeal cancer.

R10CA-15947-01 (CCI) CUMMINGS, F J, ROGER WILLIAMS GENERAL HOSP, 825 CHALKSTONE AVENUE, PROVIDENCE, R I. Eastern Cooperative Oncology Group.

R26CA-15950-01 (SRC) MC MICHAEL, ANTHONY J, OCCUPATIONAL HLTH STUDIES GROU, P U OF N CAROLINA, CHAPEL HILL, N C. Case-control bladder tumor morbidity study (human).

R01CA-15951-01 (IMB) PHILLIPS, MILDRED E, S U N Y - AT STONY BROOK, DEPARTMENT OF PATHOLOGY, STONY BROOK, N Y. Cellular immune responses in graft reaction systems (mice).

R01CA-15952-01 (IMB) REIF, ARNOLD E, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Experimental studies on immunity to cancer cells (human, rabbits, mice, hamsters).

R01CA-15953-01 (CBY) ELLEM, KAY A, HENRY W PUTNAM MEM HOSPITAL, DEWEY STREET, BENNINGTON, VT. Regulation of nucleic acid metabolism in neoplasia (human).

R01CA-15954-01 (PTHB) MAUL, GERD G, THE WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Distribution and function of nuclear pores (frogs, insects, fish, mice, rats).

R01CA-15955-01 (ALY) PASS, FRANKLIN, UNIVERSITY OF MINNESOTA, DEPT OF DERM, BOX 98 MAYO, MINNEAPOLIS, MINN. Papilloma virus-associated human tissue antigens (and guinea pigs).

R01CA-15956-01 (BT) MAUER, ALVIN M, ST JUDE'S CHILDREN'S RES HOSP, 332 N LAUDERDALE, P O BOX 318, MEMPHIS, TENN. Leukokinetics in acute leukemia with DFP32.

R26CA-15957-01 (SRC) POLLARD, MORRIS, UNIVERSITY OF NOTRE DAME, LOBUND LABORATORY, NOTRE DAME, IND. Development and study of gemfree Buffalo rats.

R01CA-15960-01 (IMB) VAAGE, JAN, PONDVILLE HOSPITAL, POST OFFICE BOX 111, WALPOLE, MASS. Immunotherapy of mammary tumors (mice).

R13CA-15961-01 (NSS) KING, DONALD W, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Workshops in techniques of cancer research.

R26CA-15962-01 (SRC) STOWELL, ROBERT E, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Effects of sex on colon carcinogenesis (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01CA-15984-01 (IMB) BYRD, WILLIAM J, THE SALK INST FOR BIO STUDIES, P O BOX 1809, SAN DIEGO, CALIF. T-T cell collaboration and tumor cell destruction.

R01CA-15965-01 (IMB) RAIDT, DONALD J, COLLEGE OF MEDICINE, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Regulatory events in cell-mediated immune response (mice).

R26CA-15969-01 (SRC) SHAW, CHARLES R, UNIV OF TEXAS AT HOUSTON, 6723 BERTNER AVENUE, HOUSTON, TEX. Hydrocarbon metabolizing enzymes and colon cancer (human, rats).

R26CA-15972-01 (SRC) PAULEON, DAVID F, POST OFFICE BOX 2977, DUKE UNIV MED CTR, DURHAM, N C. Tissue culture of mammalian urothelium (human).

R26CA-15973-01 (SRC) DANES, BETTY S, DEPARTMENT OF MEDICINE, CORNELL UNIV MED COLL, NEW YORK, N Y. Genetic studies of heritable colorectal cancer (human).

R10CA-15975-01 (CCI) MAJOR, FRANCIS J, DEPT OF HEALTH & HOSPITALS, WEST EIGHTH & CHEROKEE STS, DENVER, COLO. Gynecologic oncology group.

R10CA-15977-01 (CCI) MIKUTA, JOHN J, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Gynecologic Oncology Group.

R18CA-15978-01 (SSS) KRAMER, SIMON, THOMAS JEFFERSON UNIV HOSPITAL, 1025 WALNUT STREET, PHILADELPHIA, PA. Clinical and research radiation therapy in cancer care (US, Puerto Rico survey).

R01CA-15979-01 (MET) SIPERSTEIN, MARVIN D, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT, SAN FRANCISCO, CALIF. Cholesterol metabolism in normal and malignant liver.

R01CA-15979-01 0001 (MET) BROWN, MICHAEL. Cholesterol metabolism in normal and malignant liver-Hydroxymethylglutaryl Co A reductase characterization (rats).

R01CA-15979-01 0002 (MET) SIPERSTEIN, MARVIN D. Cholesterol metabolism in normal and malignant liver-Cholesterol synthesis in tissue culture (rats, chickens).

R01CA-15979-01 0003 (MET) SIPERSTEIN, MARVIN D. Cholesterol metabolism in normal and malignant liver-Cholesterol feedback system in vivo (rats, guinea pigs, human).

R01CA-15979-01 0004 (MET) SIPERSTEIN, MARVIN D. Cholesterol metabolism in normal and malignant liver-Mevalonic acid in normal and tumor bearing animals (rats).

R01CA-15980-01 (BT) BOURKE, ROBERT S, ROSWELL PARK MEM INSTITUTE, 666 ELM STREET, BUFFALO, N Y. Treatment of malignant disease of brain (monkeys).

R01CA-15988-01 (PTHB) STUTMAN, OSIAS, 410 EAST 68TH STREET, NEW YORK, N Y. Immune surveillance and cancer (mice).

R01CA-15991-01 (BT) CHEN, YU MIN, WAYNE STATE UNIVERSITY, DEPARTMENT OF BIOLOGY, DETROIT, MICH. Melanin synthesis in human melanomas.

R10CA-15995-01 (CCI) BERRY, DASHLEE H, UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM, LITTLE ROCK, ARK. Southwest cancer chemotherapy study group.

R01CA-15997-01 (BBCB) GAFFNEY, BETTY G, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF. Spin-labeling receptors on normal and malignant cells.

R01CA-16000-01 (BDC) DUNN, JOHN E, JR, DEPARTMENT OF HEALTH, 2151 BERKELEY WAY, BERKELEY, CALIF. Diet and breast cancer in Japanese-American women.

R01CA-16003-01 (MEM) WILER, GARRET M, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF BIOCHEMISTRY, PITTSBURGH, PA. Enzyme loading of red blood cells (rats).

R01CA-15006-01 (MBY) DARNELL, JAMES E, JR, COLUMBIA UNIVERSITY, 658 SCHERMERHORN EXTENSION, NEW YORK, NEW YORK. RNA and growth control in animal cells.

R01CA-16007-01 (VR) RASKAS, HESCHEL J, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Gene expression of oncogenic viruses.

R01CA-16011-01 (PTHB) SABA, THOMAS M, ALBANY MED COLL-UNION UNIV, 47 NEW SCOTLAND AVENUE, ALBANY, N Y. Opsonic and phagocytic activity during tumor growth (rats).

R01CA-16014-01 (BT) KHWAJA, TASNEM A, UNIV OF SOUTHERN CALIFORNIA, 1200 NORTH STATE STREET, LOS ANGELES, CALIF. Preclinical evaluation of uricidin (mice).

R26CA-16016-01 (LB) COPELAND, MURRAY M, UNIV OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. First annual workshop on large bowel cancer.

R01CA-16019-01 (RAD) HERMAN, PETER G, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Lymph node metastasis-Angiographic and isotopic studies (rabbits).

R10CA-16020-02 (CCI) LAMBERG, STANFORD I, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Mucositis fungoides cooperative study.

R01CA-16030-01 (PTHB) LEHMAN, JOHN M, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Pathology of neoplastic transformation (SV40, hamsters).

R01CA-16031-01 (PTHB) TOFT, DAVID O, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Binding of chemical carcinogens in the lung (rats, human).

R01CA-16032-01 (PTHB) DAVIE, JOSEPH M, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. Binding site mutants of mouse plasmacytomas.

R01CA-16033-01 (CBY) FARRON, FRANCOISE T, STAMFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Resurgent fetal gene products in neoplastic tissue (rats, viruses).

R01CA-16034-01 (BT) BROOME, JOHN D, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Mitosis promotion in lymphoma cells and chemotherapy.

P01CA-16038-01 (CAK) WEISSMAN, SHERMAN M, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Program on the molecular basis of viral transformation.

P01CA-16038-01 0001 (CAK) AMSTRONG, M K Y. Program on the molecular basis of viral transformation-Immunological activation of oncogenic virus (mice).

P01CA-16038-01 0002 (CAK) BLACK, F L. Program on the molecular basis of viral transformation-Evidence of oncovirus in milk and risk of breast cancer.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- P01CA-16038-01 0003 (CAK) GODSON, G NIGEL. Program on the molecular basis of viral transformation—Physical mapping of the H-1 genome.
- P01CA-16038-01 0004 (CAK) LEBOWITZ, PAUL. Program on the molecular basis of viral transformation—Viral genetic information in SV40 transformed cells (human, monkeys, mice).
- P01CA-16038-01 0005 (CAK) LEIVGYEL, PETER. Program on the molecular basis of viral transformation—Isolation and purification of interferon (mice).
- P01CA-16038-01 0006 (CAK) MILLER, I GEORGE. Program on the molecular basis of viral transformation—Host and viral factors in oncogenesis by EB virus (human, mammals).
- P01CA-16038-01 0007 (CAK) RADDING, CHARLES M. Program on the molecular basis of viral transformation—Variations in secondary structure of nucleic acids.
- P01CA-16038-01 0008 (CAK) RADDING, CHARLES M. Program on the molecular basis of viral transformation—Molecular basis of genetic recombination (bacteria, viruses).
- P01CA-16038-01 0009 (CAK) RICHARDS, FRANK F. Program on the molecular basis of viral transformation—SV40 proteins.
- P01CA-16038-01 0010 (CAK) STEITZ, JOAN A. Program on the molecular basis of viral transformation—Control of transcription and translation (bacteriophage).
- P01CA-16038-01 0011 (CAK) SUMMERS, WILLIAM C. Program on the molecular basis of viral transformation—Host-dependent herpesvirus mutants.
- P01CA-16038-01 0012 (CAK) SUMMERS, WILLIAM C. Program on the molecular basis of viral transformation—Structure of herpesvirus genomes.
- P01CA-16038-01 0013 (CAK) WARD, DAVID C. Program on the molecular basis of viral transformation—Regulation of cell division and DNA synthesis by parvovirus structural proteins.
- P01CA-16038-01 0014 (CAK) WEISSMAN, SHERMAN. Program on the molecular basis of viral transformation—Structural basis for regulation of DNA virus gene expression.
- R01CA-16039-01 (MAB) VAAGE, JAN, PONDVILLE HOSPITAL, POST OFFICE BOX 111, WALPOLE, MASS. In vitro assay of tumor immunity (mice).
- R01CA-16045-01 (BT) SRIVASTAVA, S I, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Polynucleotides and streptoviricins in cancer chemotherapy.
- R01CA-16047-01 (VR) HALPERN, MICHAEL S, WISTAR INSTITUTE, 36TH & SPRUCE STREETS, PHILADELPHIA, PA. Viral protein in avian sarcoma virus-infected cells.
- R01CA-16048-01 (BT) BAUGH, CHARLES M, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY OF SOUTH ALABAMA, MOBILE, ALA. Cancer chemotherapy—Gammaglutamates of methotrexate (mice).
- R01CA-16049-01 (MCHB) PETTIT, GEORGE R, DEPARTMENT OF CHEMISTRY, ARIZONA STATE UNIVERSITY, TEMPE, ARIZ. Naturally occurring antineoplastic agents (marine animals, arthropods, plants).
- R01CA-16053-02 (BT) KESSEL, DAVID M, MICHIGAN CANCER FOUNDATION, 110 E WARREN, DETROIT, MICH. Determinants of drug response in neoplastic cells (mice, bacteria).
- R01CA-16054-01 (BBCA) BREWER, CURTIS F, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. NMR studies of saccharide binding to concanavalin A.
- P01CA-16058-01 (CAK) YOHN, DAVID S, OHIO STATE UNIVERSITY, 1800 CANNON DRIVE, COLUMBUS, OHIO. Cancer center support grant.
- R01CA-16063-01 (PTHB) YANG, TSU-JU T, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Etiology of canine transmissible sarcoma.
- R01CA-16065-01 (PTHB) CHANG, WILLIAM W, MT SINAI SCHOOL OF MED-C U N Y, FIFTH AVE & 100TH STREET, NEW YORK, N Y. Chemical carcinogenesis in the colon (mice).
- P01CA-16067-01 (SRC) SCARANO, DOMENICO, LUZERNE COUNTY MEDICAL SOCIETY, 130 SOUTH FRANKLIN STREET, WILKES-BARRE, PA. Exploratory studies in cancer research (human).
- R01CA-16068-01 (MCHA) POSNER, GARY M, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Total synthesis of crotapoxide, an anti-tumor compound.
- R01CA-16070-01 (MCHA) GASSMAN, PAUL G, OHIO STATE UNIVERSITY, 140 W 18TH AVENUE, COLUMBUS, OHIO. Vincristine and vinblastine derivatives and models.
- R01CA-16071-01 (PTHB) PELLEGRINO, MICHELE A, SCRIPPS CLINIC AND RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Double HL-A antigens in sera of cancer patients.
- R01CA-16073-01 (BT) WAMPLER, GALEN L, MEDICAL COLLEGE OF VIRGINIA, MCY STATION BOX 292, RICHMOND, VA. Fetal isoenzymes as biologic markers (human).
- R26CA-16077-01 (SRC) SELIGMAN, ARNOLD M, SINAI HOSP OF BALTIMORE INC, BELVEDERE AVE AT GREENSPRING, BALTIMORE, MD. Drug development for prostatic carcinoma (human, hamsters).
- R01CA-16089-01 (PTHB) SAIDEL, GERALD M, CASE WESTERN RESERVE UNIV, DEPT OF BIOMEDICAL ENGR, CLEVELAND, OHIO. Immunotherapy and dynamics of the metastatic process (mice).
- R01CA-16096-01 (PTHA) YOUNG, HAROLD F, MEDICAL COLLEGE OF VIRGINIA, 1200 EAST BROAD STREET, RICHMOND, VA. Host-neoplasia interactions in gliomas (human).
- R01CA-16106-01 (VR) WEISSMAN, SHERMAN M, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Structural studies on proteins specified by SV40.
- R01CA-16108-01 (MAB) TWOMEY, JEREMIAH J, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Type and reactivity of cells released from lymphomas (human).
- R01CA-16110-01 (RAD) LEEPER, DENNIS B, THOMAS JEFFERSON UNIV HOSP, DEPT RAD THERAPY-NUCLEAR MED, PHILADELPHIA, PA. Recovery from radiation-induced cycle delay (hamsters).
- R01CA-16111-01 (RAD) LBLE, PADMAKAR P, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVE, R 26-023, CAMBRIDGE, MASS. Local ultrasonic hyperthermia for tumor therapy (cats).
- R01CA-16112-01 (PTHB) HARD, RICHARD C, JR, VIRGINIA COMMONWEALTH UNIV, DEPT OF PATHOLOGY, BOX 817, RICHMOND, VA. Early immunodeficiency and late oncogenesis (mice).
- R01CA-16115-01 (VR) FRIEDMANN, THEODORE, UNIV OF CALIFORNIA, SAN DIEGO, SCHOOL OF MEDICINE, LA JOLLA, CALIF. Proteins in oncogenic viruses—Polyoma and SV40.
- R10CA-16118-01 (CCJ) HOLLAND, JAMES F, MT SINAI SCH OF MED, C U N Y, FIFTH AVE AT 100TH STREET, NEW YORK, N Y. Acute leukemia group B-operations office.
- R01CA-16123-01 (MAY) SHIBER, W THOMAS, SALK INST FOR BIOLOGICAL STUD, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Esterases and amidases in oncogenic transformation (mammals, viruses).
- P01CA-16127-01 (CAP) KLIGERMAN, MORTON M, UNIVERSITY OF NEW MEXICO, CANCER RES AND TREATMENT CTR, ALBUQUERQUE, N MEX. Cancer Research and Treatment Center Program.
- P01CA-16127-01 0001 (CAP) BLACK, W C. Cancer Research and Treatment Center Program—Core morphology research and patient care resource.
- P01CA-16127-01 0002 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Human radiobiology studies with plons.
- P01CA-16127-01 0003 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Cancer radiotherapy evaluation.
- P01CA-16127-01 0004 (CAP) SANKI, J W. Cancer Research and Treatment Center Program—Cancer chemotherapy evaluation.
- P01CA-16127-01 0005 (CAP) FUDENBERG, H HUGH. Cancer Research and Treatment Center Program—Hereditary antigenic determinants in monoclonal proteins (human).
- P01CA-16127-01 0006 (CAP) WANG, A C. Cancer Research and Treatment Center Program—Monoclonal immunoglobulin occurring in neoplasia (human).
- P01CA-16127-01 0007 (CAP) WELLS, J V. Cancer Research and Treatment Center Program—Immunodiagnosis of cancer-tumor-specific antigens (rabbits, human).
- P01CA-16127-01 0008 (CAP) FUDENBERG, H HUGH. Cancer Research and Treatment Center Program—Rosette-forming cells in neoplasia.
- P01CA-16127-01 0009 (CAP) FUDENBERG, H HUGH. Cancer Research and Treatment Center Program—Relationships between immunoglobulin allotypic markers and cancer (human).
- P01CA-16127-01 0010 (CAP) LEVIN, A S. Cancer Research and Treatment Center Program—Transfer factor therapy in osteogenic sarcoma.
- P01CA-16127-01 0011 (CAP) GOLDBERG, ELLEN H. Cancer Research and Treatment Center Program—Tumor-associated antigens in immunity and enhancement (mice).
- P01CA-16127-01 0012 (CAP) SCALETTI, J V. Cancer Research and Treatment Center Program—Cell surface in oncogenic virus-transformed mammalian cells.
- P01CA-16127-01 0013 (CAP) STRICKLAND, R G. Cancer Research and Treatment Center Program—Immune function in gastritis and gastric carcinoma.
- P01CA-16127-01 0014 (CAP) HOWARD, R E. Cancer Research and Treatment Center Program—Cancer patient laboratory data analysis system.
- P01CA-16127-01 0015 (CAP) MUELLER, C F. Cancer Research and Treatment Center Program—Preoperative testing in bronchogenic carcinoma (human).
- P01CA-16127-01 0016 (CAP) ROOF, S S. Cancer Research and Treatment Center Program—Parathyroid hormone produced by nonparathyroid malignancies (human, mice).
- P01CA-16127-01 0017 (CAP) WANG, I Y M. Cancer Research and Treatment Center Program—Metabolism of benzo(A)pyrene (human, laboratory animals).
- P01CA-16127-01 0018 (CAP) VANDERJAGI, D L. Cancer Research and Treatment Center Program—Isozyme distribution of glycylase-I in normal and abnormal tissues (rats).
- P01CA-16127-01 0019 (CAP) KLINGER, E L. Cancer Research and Treatment Center Program—Radiation nephritis in a nonhuman primate.
- P01CA-16127-01 0020 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of bladder carcinoma (human).
- P01CA-16127-01 0021 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of brain glioma (human).
- P01CA-16127-01 0022 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of uterine cervix carcinoma (human).
- P01CA-16127-01 0023 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of esophagus carcinoma (human).
- P01CA-16127-01 0024 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of larynx carcinoma (human).
- P01CA-16127-01 0025 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of hypopharynx carcinoma (human).
- P01CA-16127-01 0026 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of oral cavity carcinoma (human).
- P01CA-16127-01 0027 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy or oropharynx epidermoid carcinoma.
- P01CA-16127-01 0028 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of osteogenic sarcoma of the extremity.
- P01CA-16127-01 0029 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of adenocarcinoma of the pancreas.
- P01CA-16127-01 0030 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of prostate carcinoma.
- P01CA-16127-01 0031 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of rectum adenocarcinoma.
- P01CA-16127-01 0032 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of stomach adenocarcinoma.
- P01CA-16127-01 0033 (CAP) KLIGERMAN, MORTON M. Cancer Research and Treatment Center Program—Pi meson radiotherapy of bronchogenic carcinoma.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1CA-16128-01 (BT) MC INTYRE, O ROSS, HEMATOLOGY RESEARCH LAB, 2 MAYNARD STREET, HANOVER, N H. Interferon and the immune response in cancer patients.
- RO1CA-16147-01 (BT) BYRON, JOSEPH W, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD. Regulation of the hemopoietic stem cell.
- RO1CA-16149-01 (BND) KLEINBERG, DAVID L, VETERANS ADMINISTRATION HOSP, FIRST AVE AT E 24TH STREET, NEW YORK, N Y. Role of prolactin in breast and prostate cancer (human).
- RO1CA-16153-01 (BT) SROTNAK, FRANCIS M, SLOAN-KETTERING INST-CAN RES, 410 EAST 68TH STREET, NEW YORK, N Y. Basic approach to improved antifolate cancer therapy.
- RO1CA-16154-01 (BT) FRIEDMAN, SUSAN J, UNIVERSITY OF COLORADO MED CTR, 4200 EAST 9TH AVENUE, DENVER, COLO. D-glucosamine-Potentiator in cancer chemotherapy.
- RO1CA-16155-01 (VR) PIKO, LAJOS, VETERANS ADMINISTRATION HOSP, 16111 PLUMMER STREET, SEPULVEDA, CALIF. Interactions on oncogenic viruses with mouse embryos.
- RO1CA-16156-01 (MCHB) PETERING, DAVID H, UNIVERSITY OF WISCONSIN, DEPARTMENT OF CHEMISTRY, MILWAUKEE, WIS. Metals and antitumor activity of thiosemicarbazones.
- RO1CA-16157-01 (BT) OWELLEN, RICHARD J, ONCOLOGY CENTER B2-SOUTH, BALTIMORE CITY HOSPITALS, BALTIMORE, MD. Pharmacology of the vinca alkaloids (tissue culture).
- RO1CA-16150-01 (MCHB) ZON, GERALD, CATHOLIC UNIVERSITY OF AMERICA, DEPARTMENT OF CHEMISTRY, WASHINGTON, D C. Synthesis and stereochemistry of new anticancer drugs.
- RO1CA-16164-07 (IAB) MC BRIDE, RAYMOND A, NEW YORK MEDICAL COLLEGE, DEPARTMENT OF PATHOLOGY, VALHALLA, N Y. Anti-tumor immunity in agammaglobulinemic inbred fowl (chickens).
- RO1CA-16168-01 (ALY) STACKPOLE, CHRISTOPHER W, SLOAN-KETTERING INST/CAN RES, 410 EAST 68TH STREET, NEW YORK, N Y. Cell surface alterations during antigenic modulation.
- RO1CA-16172-01 (PTHB) WORTIS, HENRY H, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Neoplasia in nude (athymic) mice.
- RO1CA-16177-01 (IAB) PROFFITT, MAX R, MASSACHUSETTS GENERAL HOSPITAL, INFECTIOUS DISEASE UNIT, BOSTON, MASS. Autoimmunity and virus-induced leukemia (mice).
- RO1CA-16170-01 (RAD) KIM, J H, SLOAN-KETTERING INST/CAN RES, 410 EAST 68TH STREET, NEW YORK, N Y. *in vitro* thermal enhancement of radiosensitivity.
- RO1CA-16181-01 (VR) GREEN, MELVIN H, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Oncogenic DNA virus transcription *in vitro*.
- RO1CA-16182-01 (BT) WONG, JOHN L, UNIVERSITY OF LOUISVILLE, DEPARTMENT OF CHEMISTRY, LOUISVILLE, KY. Chemical carcinogenesis—Cause and prevention.
- RO1CA-16191-01 (MCHA) PRSEBIS, JOHN D, SLOAN-KETTERING INST/CAN RES, 410 EAST 68TH STREET, NEW YORK, N Y. 5-Substituted pyrimidines and cancer chemotherapy.
- RO1CA-16193-01 (VR) MORAHAN, PAGE S, VIRGINIA COMMONWEALTH UNIV, MCY, BOX 847, RICHMOND, VA. Herpesvirus type 2—immunity and immunoadjuvant therapy (mice).
- RO1CA-16201-01 (SOYA) BENFIELD, JOHN R, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Lung cancer model for surgical research (dogs).
- RO1CA-16206-01 (MCHB) HOUSTON, L LUGENE, DEPT OF BIOCHEMISTRY, UNIVERSITY OF KANSAS, LAWRENCE, KANS. Ricin—A plant agglutinin with antitumor properties.
- RO1CA-16207-01 (GBN) MORROW, KENNETH J, JR, TEXAS TECH UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, LUBBOCK, TEX. Characterization of malignant cell variants.
- PO1CA-16209-01 (SRC) ALBERTINI, RICHARD J, UNIVERSITY OF VERMONT, GIVEN MEDICAL BLDG C-312, BURLINGTON, VT. Exploratory studies in cancer research.
- RO1CA-16219-01 (MCHA) BURCKHALTER, JOSEPH H, UNIVERSITY OF MICHIGAN, COLLEGE OF PHARMACY, ANN ARBOR, MICH. Potential antiviral and antineoplastic agents (mice).
- RO1CA-16220-01 (MCHA) DOOMES, EARL, MACALESTER COLLEGE, 1600 GRAND AVENUE, ST PAUL, MINN. Potential anti-carcinogenic alkylating agents.
- R13CA-16224-01 (NSS) POLLACK, ROBERT E, COLD SPRING HARBOR LABORATORY, BOX 100, COLD SPRING HARBOR, N Y. Selected Cold Spring Harbor summer workshops.
- RO1CA-16225-01 (BT) CHUANG, RONALD Y, DUKE UNIV MEDICAL CENTER, BOX 3117, DURHAM, N C. RNA polymerase from chicken and human leukemic cells.
- RO1CA-16227-01 (PTHB) BOGGS, SALLIE S, UNIVERSITY OF PITTSBURGH, TERRACE & DESOTO STREETS, PITTSBURGH, PA. Factors influencing leukemic transformation *in vivo* (mice, Gross virus).
- PO1CA-16228-01 (CAK) GOLDBERG, NELSON D, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Cell membrane in proliferation and oncogenesis.
- PO1CA-16228-01 0001 (CAK) BARNETT, RONALD E. Cell membrane in proliferation and oncogenesis—Membrane in transformation (mammals).
- PO1CA-16228-01 0002 (CAK) DESNICK, ROBERT J. Cell membrane in proliferation and oncogenesis—Glycosylated macromolecules and cell proliferation (mice).
- PO1CA-16228-01 0003 (CAK) ESTENSEN, RICHARD D. Cell membrane in proliferation and oncogenesis—Membrane events and cell function (hamsters, human).
- PO1CA-16228-01 0004 (CAK) GOLDBERG, NELSON D. Cell membrane in proliferation and oncogenesis—Cyclic GMP control of proliferation and cell function (mice, human).
- PO1CA-16228-01 0005 (CAK) KERSEY, JOHN H. Cell membrane in proliferation and oncogenesis—Antigen binding and triggering on lymphocyte membranes (human, mice).
- PO1CA-16228-01 0006 (CAK) FLAGEMANN, PETER G W. Cell membrane in proliferation and oncogenesis—Transport systems and regulation of growth (mice, rats).
- PO1CA-16228-01 0007 (CAK) SCOTT, ROBERT E. Cell membrane in proliferation and oncogenesis—Intramembraneous particles—Glycoproteins—Growth control (mice).
- PO1CA-16228-01 0008 (CAK) SHEPPARD, JOHN R. Cell membrane in proliferation and oncogenesis—Cyclic nucleotides and cell proliferation (rodents, rabbits).
- PO1CA-16228-01 0009 (CAK) SHERIDAN, JUDSON D. Cell membrane in proliferation and oncogenesis—Cell junction formation and role in cell proliferation (rats).
- RO1CA-16231-01 (PC) LIENER, IRVIN E, UNIVERSITY OF MINNESOTA, 140 GORTNER LABORATORY, ST PAUL, MINN. Role of proteolysis in malignant growth (human, rodents, viruses).
- RO1CA-16237-01 (BIBC) LEE, BYUNGKOOK, UNIVERSITY OF KANSAS, DEPARTMENT OF CHEMISTRY, LAWRENCE, KANS. Crystallographic studies on the enzyme L-asparaginase (Protus vulgaris).
- PO1CA-16239-01 (CAK) BASILICO, CLAUDIO, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Biosynthesis in normal and virus-transformed cells.
- PO1CA-16239-01 0001 (CAK) BASILICO, CLAUDIO. Biosynthesis in normal and virus-transformed cells—Interaction between oncogenic DNA viruses and their host cells (mice, hamsters).
- PO1CA-16239-01 0003 (CAK) BASILICO, CLAUDIO. Biosynthesis in normal and virus-transformed cells—Translational control in oncogenesis.
- PO1CA-16245-01 (SRC) DEMOPOULOS, HARRY B, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Exploratory studies in cancer research.
- PO1CA-16244-01 (CAK) HAUGHTON, GEOFFREY, UNIVERSITY OF NORTH CAROLINA, DEPT OF BACT & IMMUNOLOGY, CHAPEL HILL, N C. Integrated tumor biology program.
- PO1CA-16244-01 0001 (CAK) HAUGHTON, GEOFFREY. Integrated tumor biology program—Cell-mediated immunity, serum blocking factor in therapy (human).
- PO1CA-16244-01 0002 (CAK) HAUGHTON, GEOFFREY. Integrated tumor biology program—Antigenic cross-reactivity between malignant and benign hyperplasias (human).
- PO1CA-16244-01 0004 (CAK) HAUGHTON, GEOFFREY. Integrated tumor biology program—Genetics of tumor induction by Rous virus (mice).
- PO1CA-16244-01 0005 (CAK) HAUGHTON, GEOFFREY. Integrated tumor biology program—Immune response to Rous sarcoma in mice.
- PO1CA-16247-01 (CAK) LAWRENCE, H SHERWOOD, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Immunologic aspects of cancer.
- PO1CA-16247-01 0001 (CAK) THORBECKE, GEBTRUIDA J. Immunologic aspects of cancer—Growth requirements of lymphoid tumors of B-cell origin (mice).
- PO1CA-16247-01 0002 (CAK) OYARY, ZOLTAN. Immunologic aspects of cancer—Effect of parasitic infection on tumor growth and antibody production.
- PO1CA-16247-01 0008 (CAK) PHILLIPS-QUAGLIATA, JULIA M. Immunologic aspects of cancer—Genetic control of the response to plasma cytooma antigens (mice).
- PO1CA-16247-01 0004 (CAK) ZOLLA, SUSAN B. Immunologic aspects of cancer—Suppressive effect of plasmacytomas (mice).
- PO1CA-16247-01 0003 (CAK) COOPER, NORMAN S. Immunologic aspects of cancer—Nutritional requirement of plasma cell tumors (human, mice).
- PO1CA-16247-01 0006 (CAK) LAWRENCE, H SHERWOOD. Immunologic aspects of cancer—Transfer factor and other potential mediators of tumor immunity (human, mice).
- PO1CA-16247-01 0007 (CAK) BYSTRYN, JEAN-CLAUDE. Immunologic aspects of cancer—Development of a radio-immunoassay (mice).
- PO1CA-16247-01 0008 (CAK) VALENTINE, FRED T. Immunologic aspects of cancer—Treatment with transfer factor and immune response (human).
- PO1CA-16247-01 0009 (CAK) BIANCO, CILSO. Immunologic aspects of cancer—Immune complexes in lymphocyte-mediated cytotoxicity (human, mice).
- PO1CA-16247-01 0010 (CAK) QUAGLIATA, FRANCO. Immunologic aspects of cancer—Mapping and characterization of lymphocyte member markers (human, mice).
- PO1CA-16247-01 0011 (CAK) BASCH, ROSS. Immunologic aspects of cancer—Thymocyte differentiation (mice).
- PO1CA-16247-01 0012 (CAK) SCHINKENB, ISAAC. Immunologic aspects of cancer—Specific immunotherapy (rabbits, human).
- RO1CA-16251-01 (GBN) PINCUS, THEODORE P, SLOAN-KETTERING INST/CNCR RES, 410 EAST 68TH STREET, NEW YORK, N Y. Mouse leukemia and autoimmunity—Host-virus relations (mice).
- RO1CA-16252-01 (VR) BENJAMIN, THOMAS L, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Genetic and biochemical studies of MLV and MSV (mice).
- RO1CA-16253-01 (MCHA) COATS, EUGENE A, UNIVERSITY OF CINCINNATI, COLLEGE OF PHARMACY, CINCINNATI, OHIO. Respiratory inhibitors as antineoplastic agents.
- RO1CA-16262-01 (MBY) STOLTZPUS, CONRAD M, VANDERBILT UNIVERSITY, DEPT OF MICROBIOLOGY, NASHVILLE, TENN. Subunit structure and function of oncornavirus RNA.
- RO1CA-16265-01 (SSS) JEPCOATE, COLIN R, UNIVERSITY OF WISCONSIN, 383 MEDICAL SCIENCE BUILDING, MADISON, WIS. Cytochrome P450 in carcinogenesis and steroid synthesis (rats, cattle).
- RO1CA-16266-01 (VR) GURGO, CORRADO, ST LOUIS UNIVERSITY, 3681 PARK AVENUE, ST LOUIS, MO. Mechanism of AMV transcriptase inhibitors.
- RO1CA-16267-01 (MCHB) BRICKSON, KAREN L, DEPARTMENT OF CHEMISTRY, CLARK UNIVERSITY, WORCESTER, MASS. Chemical investigation of Hawaiian marine algae.
- RO1CA-16269-01 (BT) POELSCH, ECKARD O, GENESEE HOSPITAL, 224 ALEXANDER STREET, ROCHESTER, N Y. Metabolism and uptake of reduced folic acid antagonists (tissue culture, rats).
- R26CA-16270-01 (BP) MURPHY, GERALD P, ROSWELL PARK MEMORIAL INSTITUT, 666 ELM STREET, BUFFALO, N Y. National prostatic cancer project workshop.
- RO1CA-16271-01 (IAB) FAANES, RONALD B, SLOAN-KETTERING INST/CNCR RES, 410 EAST 68TH STREET, NEW YORK, N Y. Antibody, lymphoid and tumor cell interaction (mice).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01CA-16274-01 (ET) LEA, MICHAEL A, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N. J. Non-histone chromosomal proteins and hepatoma growth (rats).
- R26CA-16276-01 (NSS) COHN, ISIDORE, JR, LOUISIANA STATE U SCH OF MED, 1542 TULANE AVENUE, NEW ORLEANS, LA. National program for pancreatic cancer.
- R01CA-16278-01 (MAB) COGGIN, JOSEPH H, UNIVERSITY OF TENNESSEE, DEPARTMENT OF MICROBIOLOGY, KNOXVILLE, TENN. Characterization of fetal antigens in tumors (hamsters, mice).
- R01CA-16279-01 (MAY) HEIDRICK, MARGARET L, UNIVERSITY OF NEBRASKA, 42ND AND DEWEY AVENUE, OMAHA, NEBR. Cyclic AMP levels in tumor cells (mice).
- R01CA-16292-01 (MAY) DORSEY, JOHN K, SOUTHERN ILLINOIS UNIVERSITY, DEPT OF CHEMISTRY & BIOCHEM, CARBONDALE, ILL. Glycosyltransferases and contact inhibition (mice).
- R01CA-16299-01 (BIO) LUDLUM, DAVID B, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD. Mutagenic alterations in nucleic acid structure.
- R01CA-16301-01 (SSS) LING, GILBERT N, PENNSYLVANIA HOSPITAL, EIGHT & SPRUCE STREETS, PHILADELPHIA, PA. What distinguishes water in cancer and normal tissues?.
- R01CA-16301-01 0001 (SSS) LING, GILBERT N. What distinguishes water in cancer and normal tissues?—Influence of extracellular water on NMR signals (mice).
- R01CA-16301-01 0002 (SSS) LING, GILBERT N. What distinguishes water in cancer and normal tissues?—Thermal extension of water at near zero degrees (mice, rats).
- R01CA-16301-01 0003 (SSS) LING, GILBERT N. What distinguishes water in cancer and normal tissues?—Distribution of non-metabolizable sugars (chicks, rabbit, frog, human).
- R01CA-16308-01 (SSS) SPACKMAN, DARREL H, PACIFIC NORTHWEST RESEARCH FDN, 1102 COLUMBIA ST, SEATTLE, WASH. Free amino acids in normal and tumor-bearing mice.
- R01CA-16309-01 (SSS) DRYSDALE, JAMES W, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Carcino fetal isoferritins (human).
- R01CA-16311-01 (VR) STEINER, SHELDON M, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Membrane fucosylglycolipids in virus-induced cancer (mice).
- R01CA-16312-01 (BIO) GRANDGENETT, DUANE P, ST LOUIS UNIVERSITY, 3681 PARK AVENUE, ST LOUIS, MO. Avian DNA polymerase-RNase H enzymes (E coli, oncogenic viruses).
- R01CA-16315-01 (PC) WATSON, KENNETH F, UNIVERSITY OF MONTANA, DEPT OF CHEMISTRY, MISSOULA, MONT. RNA tumor virus DNA polymerases (avian myeloblastosis, Friend leukemia, HeLa cells).
- R01CA-16316-01 (RAD) ATKINS, HAROLD L, BROOKHAVEN NATIONAL LABORATORY, MEDICAL DEPT, BLDG 490, UPTON, N. Y. Melanoma detection with radiopharmaceuticals.
- R01CA-16318-01 (PC) SCHIMKE, ROBERT T, DEPT OF BIOLOGICAL SCIENCES, STANFORD UNIVERSITY, STANFORD, CALIF. Molecular mechanisms in resistance to folate analogues (mice).
- R01CA-16319-01 (PC) CHAMBERS, ROBERT W, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Method for examining viral DNA changes for mutagenic and carcinogenic effects.
- R01CA-16324-01 (RAD) KINZIE, JEANNIE J, MILWAUKEE COUNTY GENERAL HOSP, 8700 W WISCONSIN AVENUE, MILWAUKEE, WIS. Modification of hepatic radiation injury by heparin (rats).
- R01CA-16327-01 (PC) AGRIS, PAUL F, UNIVERSITY OF MISSOURI, TUCKER HALL, COLUMBIA, MO. Human biochemical genetics—Transfer RNA in leukemia.
- R01CA-16328-01 (SSS) CAMPBELL, ROBERT A, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Polyamine radioimmunoassay in cancer (rabbits, human).
- R01CA-16329-01 (VR) BOSE, HENRY R, UNIVERSITY OF TEXAS, AUSTIN, TEX, AUSTIN, TEX. Biology of the reticuloendotheliosis virus group (chickens).
- R01CA-16342-01 (ET) ZWILLING, BRUCE S, OHIO STATE UNIVERSITY, 484 W 12TH AVENUE, COLUMBUS, OHIO. Immunoprophylaxis and immunotherapy of lung cancer.
- R01CA-16343-01 (BBCA) SUTHERLAND, JOHN C, UNIVERSITY OF CALIFORNIA, CALIFORNIA COLLEGE OF MEDICINE, IRVINE, CALIF. Mechanism of action of the photoreactivating enzyme.
- R01CA-16347-01 (RAD) WEINFELD, HERBERT, ROSELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Regulation of survival of ultraviolet-irradiated E coli K-12.
- R01CA-16348-01 (SOYA) ELIIS, ROBERT J, 415 EAST 70TH STREET, NEW YORK, N. Y. Reactivity of axillary lymph nodes in breast cancer (human).
- R01CA-16352-01 (TOX) HECHT, STEPHEN S, AMERICAN HEALTH FOUNDATION, 2 EAST END AVENUE, NEW YORK, N. Y. Methylchrysenes—New probes for mechanism of carcinogen.
- R01CA-16357-01 (RAD) DANCIS, JOSEPH, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Prevention of death from radio- or chemotherapy (mice).
- P01CA-16359-01 (CAP) BERTINO, JOSEPH R, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cancer center support grant.
- P01CA-16359-01 0001 (CAP) RUDDLE, F. H. Cancer center support grant—Disaggregation of solid tissues using electronic cell sorter (mice, animals).
- P01CA-16359-01 0002 (CAP) GERSHON, R. K. Cancer center support grant—Isolation of lymphocytes using electronic cell sorter.
- P01CA-16359-01 0003 (CAP) WAKSMAN, B. H. Cancer center support grant—Isolation of T and B lymphocytes using electronic cell sorter.
- P01CA-16359-01 0004 (CAP) RUDDLE, F. H. Cancer center support grant—Genetic control of cell membrane antigen expression.
- P01CA-16359-01 0005 (CAP) BERTINO, JOSEPH R. Cancer center support grant—Electronic cell sorter.
- P01CA-16359-01 0006 (CAP) BERTINO, JOSEPH R. Cancer center support grant—Radioisotope facility.
- P01CA-16359-01 0007 (CAP) GODSON, G. N. Cancer center support grant—Parvovirus replication.
- P01CA-16359-01 0008 (CAP) RUPP, W. D. Cancer center support grant—Plasmid replication in E coli.
- P01CA-16359-01 0009 (CAP) SUMMERS, W. C. Cancer center support grant—DNA heteroduplex analysis of herpesvirus genomes.
- P01CA-16359-01 0010 (CAP) SUMMERS, W. C. Cancer center support grant—Physical mapping of RNA transcription regions.
- P01CA-16359-01 0011 (CAP) PRUSOFF, W. H. Cancer center support grant—Photosensitization of enzymes concerned with the biosynthesis of DNA.
- P01CA-16359-01 0012 (CAP) CANELLAIS, E. S. Cancer center support grant—Chemical structure and possible antitumor activity of acridines.
- P01CA-16359-01 0013 (CAP) COWARD, J. K. Cancer center support grant—Nonenzyme and enzyme-catalyzed transmethylation.
- P01CA-16359-01 0014 (CAP) GOZ, BARRY. Cancer center support grant—Arginyl-tRNA protein transferase.
- P01CA-16359-01 0015 (CAP) BERTINO, JOSEPH R. Cancer center support grant—Action of folate antagonists and B12-folate (human).
- P01CA-16359-01 0016 (CAP) HANDSCHUMACHER, R. E. Cancer center support grant—L-Asparaginase.
- P01CA-16359-01 0017 (CAP) EISENFELD, A. J. Cancer center support grant—Estrogen binding proteins.
- P01CA-16359-01 0018 (CAP) SCHENKMAN, J. B. Cancer center support grant—Hepatic mitochondria in hepatic endoplasmic reticulum oxidation.
- P01CA-16359-01 0019 (CAP) AGRAWAL, K. C. Cancer center support grant—Antitumor activity of 5-hydroxy-2-formylpyridine thiosemicarbazone.
- P01CA-16359-01 0020 (CAP) SARTORELLI, A. C. Cancer center support grant—The hepatocarcinogen urethan.
- P01CA-16359-01 0021 (CAP) HOWARD-FLANDERS, PAUL. Cancer center support grant—DNA repair in bacteria and mammalian cells.
- P01CA-16359-01 0022 (CAP) SUMMERS, WILLIAM C. Cancer center support grant—Viral gene expression and transformation.
- P01CA-16359-01 0023 (CAP) GODSON, G. N. Cancer center support grant—Mechanism and control of DNA replication in E coli F plasmids.
- P01CA-16359-01 0024 (CAP) RUDDLE, F. H. Cancer center support grant—Mammalian developmental biology.
- P01CA-16359-01 0025 (CAP) WAKSMAN, B. H. Cancer center support grant—Suppressor thymus lymphocytes.
- P01CA-16359-01 0026 (CAP) WAKSMAN, B. H. Cancer center support grant—Mechanisms of lymphocyte stimulation.
- P01CA-16359-01 0027 (CAP) WAKSMAN, B. H. Cancer center support grant—Response of vascular endothelium to stimulated lymphocytes.
- P01CA-16359-01 0028 (CAP) WAKSMAN, B. H. Cancer center support grant—Characterization of sensitized lymphocytes (rats, mice).
- P01CA-16359-01 0029 (CAP) WAKSMAN, B. H. Cancer center support grant—Continuous lymphocytic cell lines.
- P01CA-16359-01 0030 (CAP) WAKSMAN, B. H. Cancer center support grant—Gastro-intestinal lymphoid tissues (rabbits, E coli).
- P01CA-16359-01 0031 (CAP) KANTOR, F. S. Cancer center support grant—Regulatory mechanisms in cell-mediated immunity (guinea pigs, mice, dogs, human).
- P01CA-16359-01 0032 (CAP) KANTOR, F. S. Cancer center support grant—Extended use of B- and T-lymphocyte markers (human).
- P01CA-16359-01 0033 (CAP) KANTOR, F. S. Cancer center support grant—Variations delayed in time reactions (guinea pigs, mice).
- P01CA-16359-01 0034 (CAP) KANTOR, F. S. Cancer center support grant—Development of immune responses.
- P01CA-16359-01 0035 (CAP) CORNBELIUS, E. A. Cancer center support grant—Effects of chronic graft-versus-host disease (mice).
- P01CA-16359-01 0036 (CAP) ZATZ, M. M. Cancer center support grant—Lymphoid populations in spontaneous leukemia (mice).
- P01CA-16359-01 0037 (CAP) ZATZ, M. M. Cancer center support grant—Lymphocyte trapping in early immune response.
- P01CA-16359-01 0038 (CAP) GERSHON, R. K. Cancer center support grant—Suppressor T-lymphocytes.
- P01CA-16359-01 0039 (CAP) GERSHON, R. K. Cancer center support grant—Modification of lymphocyte surface membrane (mice).
- P01CA-16359-01 0040 (CAP) GERSHON, R. K. Cancer center support grant—Effect of splenectomy on immunologic function (guinea pigs, mice).
- P01CA-16359-01 0041 (CAP) MITCHELL, M. S. Cancer center support grant—Immunosuppressive and tumoricidal drugs.
- P01CA-16359-01 0042 (CAP) MITCHELL, M. S. Cancer center support grant—Cytophilic antibodies in neoplasia (human).
- P01CA-16359-01 0043 (CAP) MITCHELL, M. S. Cancer center support grant—Mechanisms of adjuvant action.
- P01CA-16359-01 0044 (CAP) BAUMGARTEN, ALEXANDER. Cancer center support grant—Immunization of mice with dinitrophenylated tumor (mice).
- P01CA-16359-01 0045 (CAP) BAUMGARTEN, ALEXANDER. Cancer center support grant—Immunoelectrophoretic analysis of human sera.
- P01CA-16359-01 0046 (CAP) TIGNER, G. H. Cancer center support grant—Immunologic death from the rabies virus brain infections (mice).
- P01CA-16359-01 0047 (CAP) JACOBY, R. O. Cancer center support grant—Immunologic death from arbovirus brain infections (mice).
- P01CA-16359-01 0048 (CAP) MILLER, I. G. Cancer center support grant—DNA viruses which affect lymphocytes (guinea pigs).
- P01CA-16359-01 0049 (CAP) ATKINS, ELISHA. Cancer center support grant—Fever mechanisms (human).
- P01CA-16359-01 0050 (CAP) FINCH, S. C. Cancer center support grant—Reducing reticuloendothelial function.
- P01CA-16359-01 0051 (CAP) MALAWISTA, S. E. Cancer center support grant—Phagocytosis by polymorphonuclear leukocytes.
- P01CA-16359-01 0052 (CAP) PATTON, C. L. Cancer center support grant—Immune mechanisms in trypanosomiasis and schistosomiasis.
- P01CA-16359-01 0053 (CAP) KONIGSBURG, W. H. Cancer center support grant—Structure of human myeloma proteins.
- P01CA-16359-01 0054 (CAP) MARCHESI, V. T. Cancer center support grant—Surface membranes of cells.
- P01CA-16359-01 0055 (CAP) SCHWARTZ, ANTHONY. Cancer center support grant—Anti-lymphocyte sera.
- P01CA-16359-01 0056 (CAP) WHITE, COLIN. Cancer center support grant—Cohort mortality with emphasis in cancer mortality.
- P01CA-16359-01 0057 (CAP) WHITE, COLIN. Cancer center support grant—Epidemiology of esophagus and kidney cancer.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01CA-16359-01 0058 (CAP) WHITE, COLIN. Cancer center support grant-Cancer related clinical activities.	R18CA-16404-01 0001 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Social epidemiology of cancer care delivery and control.
P01CA-16359-01 0059 (CAP) BEESON, PAUL. Cancer center support grant-Medical oncology.	R18CA-16404-01 0002 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Health behavior and community health education.
P01CA-16359-01 0060 (CAP) BEESON, PAUL. Cancer center support grant-Diagnostic radiology-Lung carcinoma protocol (human, dogs).	R18CA-16404-01 0003 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Affiliated American Cancer Society programs in prevention and detection.
P01CA-16359-01 0061 (CAP) BEESON, PAUL. Cancer center support grant-Cancer diagnosis-Pulmonary metastases protocol.	R18CA-16404-01 0004 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Biostatistics-epidemiology cancer surveillance system.
R13CA-16364-01 (NSS) FOX, CHARLES F. UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, LOS ANGELES, CALIF. Mechanisms of virus disease.	R18CA-16404-01 0005 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Regional cancer council.
R26CA-16365-01 (SRC) RAPP, FRED, MILTON S HERSHEY MEDICAL CTR, THE PENNSYLVANIA STATE UNIV, HERSHEY, PA. Etiology of prostate tumors (human, rabbits).	R18CA-16404-01 0006 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-GYNE-Corps demonstration project for cancer screening and control.
R01CA-16367-01 (ALY) SELL, STEWART, DEPARTMENT OF PATHOLOGY, UNIVERSITY OF CALIFORNIA, LA JOLLA, CALIF. Lymphocytes-Gene expression and activation events (rabbits).	R18CA-16404-01 0007 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Library service and information program.
R01CA-16368-01 (CBY) SKOULTCHI, ARTHUR I, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Control of differentiation of erythroleukemic cells (human, mice).	R18CA-16404-01 0008 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Northwest cooperative cancer study group.
R13CA-16369-01 (NSS) SWARTZ, HAROLD M, MILWAUKEE COUNTY GENERAL HOSP, 8700 W WISCONSIN AVENUE, MILWAUKEE, WIS. Conference-Magnetic resonance in biology and medicine.	R18CA-16404-01 0009 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Cancer committee chairman.
R26CA-16370-01 (SRC) MOON, RICHARD C, IIT RESEARCH INST, 10 WEST 35TH ST, CHICAGO, ILL. Chemical carcinogenesis of the colon (rats).	R18CA-16404-01 0010 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Prototype chemotherapy program.
R26CA-16371-01 (SRC) WILLIAMS, GEORGE M, DEPARTMENT OF SURGERY, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Evaluation stimulation of colon cancer (human).	R18CA-16404-01 0011 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Cancer rehabilitation.
R01CA-16372-01 (HEM) CLINE, MARTIN J, DEPT OF MEDICINE, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Leukocyte microbicidal mechanisms (human).	R18CA-16404-01 0012 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Psycho-social rehabilitation in childhood cancer.
R26CA-16373-01 (SRC) WILLIAMS, GEORGE M, DEPARTMENT OF SURGERY, THE JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Tissue culture of colon cancer-Human immunity (also mice).	R18CA-16404-01 0013 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Cancer education.
R26CA-16375-01 (SRC) ELLIOTT, WILLIAM H, ST LOUIS UNIV SCH OF MEDICINE, 1402 SOUTH GRAND BOULEVARD, ST LOUIS MO. Role of bile acids in etiology of large bowel cancer (mammals).	R18CA-16404-01 0014 (SRC) HUTCHINSON, WILLIAM B. Cancer control development grant-Visiting scientists.
R01CA-16377-01 (PTMB) MERK, FREDERICK B, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Ultrastructure of experimental tumor cell surface (rats, mice).	R18CA-16405-01 (SRC) RUSCH, HAROLD P, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Development of regional cancer control program.
R26CA-16378-01 (SRC) KUNTZ, ROBERT E, SOUTHWEST FDN FOR RES & EDUCAT, P O BOX 28147, SAN ANTONIO, TEX. Bladder cancer transfer in schistosomiasis haematobia (monkeys).	R18CA-16405-01 0001 (SRC) YOUNGER, JAMES E. Development of regional cancer control program-Endocrine studies in breast cancer screening (human).
R01CA-16379-01 (ET) ROSENBERG, ROGER N, UNIV OF TEXAS SW MEDICAL SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Experimental cancer chemotherapy of neuroblastoma.	R18CA-16405-01 0002 (SRC) STAFL, ADOLF. Development of regional cancer control program-Colposcopy program (human).
R26CA-16382-01 (SRC) WYNDEB, ERNEST L, THE AMERICAN HEALTH FDN, 1370 AVE OF THE AMERICAS, NEW YORK, N. Y. Metabolic epidemiology of colon cancer (human).	R18CA-16405-01 0003 (SRC) SHAHIDI, NASROLLAH T. Development of regional cancer control program-Childhood cancer control (human).
R01CA-16392-01 (PTMB) HOSICK, HOWARD L, DEPT OF ZOOLOGY, WASHINGTON STATE UNIV, PULLMAN, WASH. Culture of preneoplastic mammary cells of the mouse.	R18CA-16405-01 0004 (SRC) MACKINNEY, ARCHIE A. Development of regional cancer control program-Regional affiliation for cooperative studies of hematological malignancy (human).
R18CA-16400-01 (SRC) SHINGLETON, WILLIAM W, DUKE UNIVERSITY, MEDICAL CENTER, DURHAM, N. C. Cancer control development grant.	R18CA-16405-01 0005 (SRC) TRACY, PAUL C. Development of regional cancer control program-WCCC regional program facilities and communication network.
R18CA-16400-01 0001 (SRC) SHINGLETON, WILLIAM W. Cancer control development grant-Screening (human).	R18CA-16405-01 0006 (SRC) KLOTZ, JEROME H. Development of regional cancer control program-Medical statistics unit support for regional program.
R18CA-16400-01 0002 (SRC) SHINGLETON, WILLIAM W. Cancer control development grant-Treatment (human).	R18CA-16408-01 (SRC) FRECHETTE, ALFRED L, CHILDREN'S CANCER RES FDN, INC, 35 BINNEY STREET, BOSTON, MASS. Cancer control developmental grant.
R18CA-16400-01 0003 (SRC) SHINGLETON, WILLIAM W. Cancer control development grant-Rehabilitation (human).	R18CA-16409-01 (SRC) DURANT, JOHN R, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Cancer control developmental grant.
R18CA-16400-01 0004 (SRC) SHINGLETON, WILLIAM W. Cancer control development grant-Epidemiology (human).	R18CA-16409-01 0001 (SRC) SHINGLETON, HUGH M. Cancer control developmental grant-Satellite colposcopy clinics for cancer detection.
R18CA-16400-01 0005 (SRC) SHINGLETON, WILLIAM W. Cancer control development grant-Tumor registry (human).	R18CA-16409-01 0002 (SRC) SHINGLETON, HUGH M. Cancer control developmental grant-Trophoblastic disease laboratory.
R18CA-16400-01 0006 (SRC) SHINGLETON, WILLIAM W. Cancer control development grant-Education and training projects (human).	R18CA-16409-01 0003 (SRC) ROTH, ROBERT E. Cancer control developmental grant-Regional radiation dosimetry service.
R18CA-16401-01 (SRC) ULTMANN, JOHN E, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. University of Chicago cancer control center.	R18CA-16409-01 0004 (SRC) SHINGLETON, HUGH M. Cancer control developmental grant-OB-GYN nurse practitioner program.
R18CA-16401-01 0001 (SRC) ULTMANN, JOHN E. University of Chicago cancer control center-Cancer control center coordinating office.	R18CA-16409-01 0005 (SRC) KLAPPER, MARGARET S. Cancer control developmental grant-Mist program.
R18CA-16401-01 0002 (SRC) GAST, KATHLEEN. University of Chicago cancer control center-Planning, implementation and evaluation of a program in oncology nursing.	R18CA-16409-01 0006 (SRC) DURANT, JOHN R. Cancer control developmental grant-Tumor conference system.
R18CA-16401-01 0003 (SRC) TIGHE, PATTI. University of Chicago cancer control center-Psychological aspects of cancer.	R18CA-16409-01 0007 (SRC) MESEL, EMMANUEL. Cancer control developmental grant-Medical state control program.
R18CA-16401-01 0004 (SRC) SONEK, MOJAMIR G. University of Chicago cancer control center-Gynecologic cancer detection and control.	R18CA-16409-01 0008 (SRC) DURANT, JOHN R. Cancer control developmental grant-Whole system.
R18CA-16401-01 0005 (SRC) KIM, MOON H. University of Chicago cancer control center-Hormonal screening for endometrial carcinoma.	R18CA-16409-01 0009 (SRC) DURANT, JOHN R. Cancer control developmental grant-Coordination, planning and implementation.
R18CA-16401-01 0006 (SRC) GRIEM, MELVIN L. University of Chicago cancer control center-Prototype clinical data center program in cancer control.	R18CA-16409-01 0010 (SRC) DURANT, JOHN R. Cancer control developmental grant-Administration.
R18CA-16401-01 0007 (SRC) LEVIN, BERNARD. University of Chicago cancer control center-Early detection and management of gastrointestinal carcinoma.	R18CA-16412-01 (SRC) MARTIN, DANIEL S, CANCER RESEARCH, 89-15 WOODHAVEN BOULEVARD, WOODHAVEN, N. Y. Cooperative clinical research in community hospitals.
R18CA-16401-01 0008 (SRC) ROBINSON, JOHN E. University of Chicago cancer control center-Maxillofacial rehabilitation.	R18CA-16413-01 (SRC) RAWSON, RULON W, UNIV OF TEXAS SYSTEM CANCER CT, TEXAS MEDICAL CENTER, HOUSTON, TEX. Cancer control developmental grant.
R18CA-16402-01 (SRC) ROBBINS, GUY F, MEMORIAL HOSP/CNCR & ALLD DIS, 1275 YORK AVENUE, NEW YORK, N. Y. Cancer control development grant.	R26CA-16418-01 (SRC) ROBINSON, CECIL H, DEPARTMENT OF PHARMACOLOGY, JOHNS HOPKINS UNIVERSITY, BALTIMORE, MD. Steroids with cytotoxic effects on the prostate (rats).
R18CA-16402-01 0001 (SRC) ROBBINS, GUY F. Cancer control development grant-Model referral system for cancer therapy (adults, children).	R18CA-16419-01 (SRC) HASTERLIK, ROBERT J, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Evaluation of impact of cancer control programs.
R18CA-16402-01 0002 (SRC) ROBBINS, GUY F. Cancer control development grant-Medical education and communications (medical and allied personnel).	R01CA-16425-01 (ET) FITZGERALD, THOMAS J, FLORIDA A & M UNIVERSITY, SCHOOL OF PHARMACY, TALLAHASSEE, FLA. Cocaine derivatives as antitumor agents (mice).
R18CA-16402-01 0003 (SRC) ROBBINS, GUY F. Cancer control development grant-Radiation dosimetry center (regional service).	R26CA-16426-01 (SRC) ROSE, NOEL R, DEPT OF IMMUNOLOGY & MICROBIOL, WAYNE STATE UNIVERSITY, DETROIT, MICH. Antigenic components of human prostatic adenocarcinoma (mice).
R18CA-16404-01 (SRC) HUTCHINSON, WILLIAM B, FRED HUTCHINSON CANCER RES CTR, 1102 COLUMBIA STREET, SEATTLE, WASH. Cancer control development grant.	R26CA-16430-01 (SRC) PRETLOW, THOMAS G, DEPARTMENT OF PATHOLOGY, UNIV OF ALABAMA, BIRMINGHAM, ALA. Carcinoma of the prostate (human).
	R26CA-16436-01 (NSS) OGURA, JOSEPH H, WASH UNIV SCHOOL OF MEDICINE, DEPT OF OTOLARYNGOLOGY, ST LOUIS, MO. National head and neck cancer project.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R13CA-16509-01 (SRC) BRECHER, GEORGE, AMERICAN SOC OF HEMATOLOGY, ST JUDE CHILD RES HOSP, MEMPHIS, TENN. International Congress of Hematology.
- R01CA-16524-01 (MCHA) PARKER, KATHLYN A, BROWN UNIVERSITY, DEPARTMENT OF CHEMISTRY, PROVIDENCE, RI. Synthesis of crotapozide.
- R26CA-16540-01 (SRC) MC COMBS, ROBERT M, DEPT OF MICROBIOLOGY & CELL BI, EASTERN VIRGINIA MED SCH, NORFOLK, VA. Role of oncoviruses in carcinoma of the prostate (human).
- R01CA-16616-01 (MCHA) BARTLETT, PAUL A, UNIV OF CALIFORNIA, BERKELEY, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Synthesis of macrocyclic natural products.
- R01CA-16627-01 (BM) MARDON, DAVID N, VIRGINIA COMMONWEALTH UNIV, MCY STATION, P O BOX 847, RICHMOND, VA. Treatment of Candida infections in leukemic mice.
- R01CA-16661-01 (MCHB) VILLAFRANCA, JOSEPH J, 21 CHANDLER LABORATORY, THE PENNSYLVANIA ST UNIV, UNIVERSITY PARK, PA. Concanavalin A-saccharide structural studies.
- R26CA-16723-01 (SRC) SPAR, IRVING L, UNIV OF WASH SCH OF MED & DENT, DEPT OF RAD BIOLOGY & BIOPHYSI, ROCHESTER, N Y. Radiolabeled antiserum to carcinoembryonic antigen (human).
- R26CA-16724-01 (SRC) WELLS, SAMUEL A, DUKE UNIV MED CTR, BOX 3382, DURHAM, N C. Familial polyposis-A clinical and immunological study.
- R26CA-16732-01 (SRC) TURNER, MICHAEL D, UNIV OF ROCHESTER-STRONG MEM H, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Glucoprotein antigens in experimental large bowel cancer (rats).
- R26CA-16736-01 (SRC) GRAYHACK, JOHN T, NORTHWESTERN UNIV MED SCHOOL, 303 E CHICAGO AVENUE, CHICAGO, ILL. Enzymes in diagnosis and staging of prostatic cancer (human).
- R01CA-16754-01 (SSS) LITTLEFIELD, JOHN W, CHILDREN'S MED & SURGICAL CTR, THE JOHNS HOPKINS HOSP, BALTIMORE, MD. Hybridization, DNA function, mutation in cell culture (human, rodents).
- R26CA-16762-01 (SRC) DONHAM, KILLEY J, UNIVERSITY OF IOWA, COLLEGE OF MEDICINE, OAKDALE, IOWA. Pathogenesis of asbestos related bowel cancer (human, rats).
- R26CA-16768-01 (SRC) DREWINKO, BENJAMIN, UNIV OF TEXAS SYSTEM CA CENTER, 6723 BERTNER, HOUSTON TEX. Antitumor agents on human colon carcinoma cells.
- R26CA-16764-01 (SRC) PRETLOW, THOMAS G, UNIV OF ALABAMA, DEPARTMENT OF PATHOLOGY, BIRMINGHAM, ALA. Carcinoma of the colon (human).
- R26CA-16765-01 (SRC) IRVING, CHARLES C, VETERANS ADMINISTRATION HOSP, 1030 JEFFERSON AVENUE, MEMPHIS, TENN. Biochemical mechanisms in experimental bladder cancer (rats, rabbits).
- R26CA-16763-01 (SRC) COLE, PHILIP T, HARVARD SCHOOL OF PUBLIC HEALTH, 677 HUNTINGTON AVENUE, BOSTON, MASS. International bladder cancer study-Planning phase (human).
- R26CA-16769-01 (SRC) ORNELLAS, EUGENE P, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON MASS. CEA in urogenital carcinomas (human).
- R13CA-16821-01 (NSS) CLARK, R LEE, UNIV OF TEXAS- M D ANDERSON HO, 6723 BERTNER AVENUE, HOUSTON, TEX. 1975 Annual Symposium of fundamental cancer research.
- R01CA-16879-01 (VR) WIMMER, BECKARD A, S U N Y - AT STONY BROOK, DEPARTMENT OF MICROBIOLOGY, STONY BROOK, N Y. Viral oncogenesis.
- R26CA-16880-01 (SRC) FAHEY, JOHN L, DEPT OF MICROBIOLOGY & IMMUNOL, OGY-UNIV OF CALIF SCH OF MED, LOS ANGELES, CALIF. Bladder cancer-immunology, immunotherapy, and virology (mammals, nonhuman).
- R01CA-16882-04 (ALY) BUCKLEY, REBECCA H, DUKE UNIV SCH OF MED, BOX 2898, DURHAM, N C. Induction and characterization of enhancing antibody (mice).
- R26CA-16886-01 (SRC) PLANAGAN, MALACHI J, RUSH-PRESBYTERIAN-ST LUKE'S ME, 1753 CONGRESS PARKWAY, CHICAGO, ILL. National bladder cancer collaborative group A (human).
- R13CA-16888-01 (NSS) STERNICK, EDWARD S, DEPT OF THERAPEUTIC RADIOLOGY, MARY HITCHCOCK MEMORIAL HOS, HANOVER, NH. 5th International conference-Computers in radiotherapy.
- R01CA-16890-01 (VR) ACS, GEORGE, MT SINAI SCHOOL OF MEDICINE, ONE EAST 100TH STREET, NEW YORK, N Y. Chemotherapeutic demeribonucleosides.
- R13CA-16892-01 (NSS) BRAUN, ARMIN C, THE ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Conference-Suppression of the malignant phenotype.
- R13CA-16893-01 (NSS) WEINHEIMER, ALFRED J, 266 DEBARR HALL, UNIVERSITY OF OKLAHOMA, NORMAN, OKLA. Workshop on marine bioactive substances research.
- R13CA-16894-01 (NSS) CRUICKSHANK, ALEXANDER, PASTORE CHEMICAL LABORATORY, UNIV OF RHODE ISLAND, KINGSTON, R I. Gordon conference on molecular pathology.
- R01CA-16895-01 (MBY) GREENBERG, JAY R, WORCESTER FDN FOR EXP BIO INC, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. mRNA synthesis and turnover in tumor cells (mouse L-cells).
- R01CA-16896-16 (GBN) LEDERBERG, JOSHUA, STANFORD UNIV SCHOOL OF MED, DEPARTMENT OF GENETICS, STANFORD, CALIF. Genetics of bacteria (bacteriophage).
- R01CA-16898-01 (PTHB) PRENSTER, JOHN H, SANTA CLARA VALLEY MED CTR, 751 SOUTH BASCOM AVENUE, SAN JOSE, CALIF. Activated lymphocytes for immunotherapy of neoplasms (human).
- R26CA-16890-01 (SRC) VERHEEMA, RALPH J, DEPT OF UROLOGY, COLUMBIA UNIV-99 FORT WASH AVE, NEW YORK, N Y. Evaluation of management of patients with bladder carcinoma.
- R01CA-16902-01 (VR) KELLER, JOHN M, UNIVERSITY OF WASHINGTON, DEPARTMENT OF BIOCHEMISTRY, SEATTLE, WASH. Biochemistry of herpes virus-induced cell fusion.
- R01CA-16903-01 (MCHB) STANG, PETER J, UNIVERSITY OF UTAH, CHEMISTRY DEPARTMENT, SALT LAKE CITY, UTAH. Vinyl trifluoromethanesulfonate chemistry.
- R01CA-16904-01 (BT) PERLMAN, DAVID, UNIVERSITY OF WISCONSIN, SCHOOL OF PHARMACY, MADISON, WIS. Microbial metabolite inhibition of tumor B12 binding (tissue culture).
- R01CA-16906-01 (BT) GOLDMAN, ISRAEL D, VIRGINIA COMMONWEALTH U, 1200 E BROAD STREET, RICHMOND, VA. Uptake and membrane transport of anticancer cells (mice).
- R13CA-16907-01 (MBY) YANOPSKY, CHARLES, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Gordon conference on biological regulation mechanisms.
- R01CA-16912-01 (MCHB) ZINGARO, RALPH A, TEXAS A&M UNIVERSITY, DEPARTMENT OF CHEMISTRY, COLLEGE STATION, TEX. Thio and seleno sugar esters of group V acids.
- R01CA-16913-01 (PC) KWAN, CATHERINE N, UNIV OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Processing of RNA in eucaryotic cells (HeLa cells, fungi).
- R01CA-16914-01 (PC) CHIRKJIAN, JACK G, DEPT OF BIOCHEMISTRY-SCHS OF M, ED AND DENT-GEORGETOWN UNIV, WASHINGTON, D C. RNA modifying enzymes in normal and neoplastic cells (rats, yeast).
- R13CA-16917-01 (NSS) SHINGLETOM, WILLIAM W, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N C. USA-USSE comprehensive cancer center conference.
- R13CA-16923-01 (HEM) MC INTYRE, PATRICIA A, JOHNS HOPKINS UNIV SCH OF MED, 775 N WOLFE ST, BALTIMORE, MD. 8th International Meeting of ICSH Panel.
- R01CA-16927-01 (MBY) ARNISON, RICHARD M, THE UNIVERSITY OF TENNESSEE, MEDICAL UNITS 900 MADISON AVE, MEMPHIS, TENN. Membrane lipids in neuroblastoma differentiation (mice).
- R01CA-16934-13 (BM) NOWOTNY, ALOIS H, TEMPLE UNIV SCHOOL OF MEDICINE, 3400 N BROAD STREET, PHILADELPHIA, PA. Relation of chemical structure to endotoxic activity (rabbits, mice).
- R01CA-16935-01 (CBY) SANDBERG, AVBYR A, ROSWELL PARK MEMORIAL INSTITUT, 666 ELM STREET, BUFFALO, N Y. Intracellular factors controlling mitotic events.
- R01CA-16906-01 (PC) FRIEDMAN, STANLEY, DOWNSTATE MEDICAL CENTER, SUNY, 450 CLARISON AVE, BROOKLYN, N Y. Relationship between tRNA modification and cell growth (E coli, rats).
- R01CA-16937-01 (MAB) CARPENTER, CHARLES B, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Nature and control of lymphocyte mediated cytotoxicity.
- R01CA-16906-01 (GBN) O'BRIEN, RICHARD L, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Defective DNA in Fanconi's anemia (human).
- R01CA-16952-14 (GBN) OHNO, SUSUMU, CITY OF HOPE NAT'L MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Sex chromosomes of cells (mice).
- R01CA-16954-01 (BIO) HOLLINBERG, PAUL F, NORTHWESTERN UNIV MED SCHOOL, 303 E CHICAGO AVENUE, CHICAGO, ILL. Hemoprotein-catalyzed oxygenations of carcinogens.
- R01CA-16955-01 (BIO) LIN, EDUARD C, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Glycerol transport and metabolism in tumor cells (human).
- R01CA-16959-09 (VR) PLAGBAMANN, PETER G, UNIV OF MINNESOTA HOSPITAL, DEPT OF MICROBIOLOGY, MINNEAPOLIS, MINN. Mengovirus replication in rat hepatoma cells.
- R01CA-16961-01 (MBY) SLADE, BRENDA, THE SALK INSTITUTE, P O BOX 1809, SAN DIEGO, CALIF. Membrane biosynthesis in normal and neoplastic cells (mouse myeloma).
- R01CA-16967-01 (MCHA) GASSMAN, PAUL G, UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. Vincristine and vinblastine derivatives and models.
- R01CA-16968-01 (BBCA) SCOVILL, WILLIAM M, BOWLING GREEN STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, BOWLING GREEN, OHIO. Influence of metal complexes on DNA.
- R01CA-16972-07 (TMP) KUNTZ, ROBERT E, SOUTHWEST FDN FOR RES AND EDUC, P O BOX 28147, SAN ANTONIO, TEX. Schistosomiasis-I Biology of Schistosoma haematobium (primates, mollusks).
- R01CA-16997-01 (PTHB) IOACHIM, HARRY L, DEPT OF PATHOLOGY, LENOX HILL HOSP-100 EAST 77TH, NEW YORK, N Y. Studies of induction and immunity.
- R01CA-17025-01 (MAB) JACOBS, DIANE M, SALK INST FOR BIO STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Mode of action of a stimulator of tumor resistance.
- R01CA-17036-01 (BIO) TAO, MARIANO, UNIVERSITY OF ILLINOIS, 835 S WOLCOTT AVENUE, CHICAGO, ILL. Phosphorylation of adenoviral-associated proteins (mammals).
- R01CA-17037-01 (MBY) LEDFORD, BARRY E, UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Serum protein synthesis by mouse hepatoma cells.
- R01CA-17038-01 (SSS) BARKA, TIBOR, MOUNT SINAI SCHOOL OF MED, FIFTH AVENUE AND 100TH STREET, NEW YORK, N Y. Postnatal determination of the submandibular gland (rats).
- R01CA-17049-01 (ALY) CHOI, YONG S, SLOAN-KETTERING INST FOR CANCER, RES-410 EAST 68TH ST, NEW YORK, N Y. Recognition of tumor cells by T lymphocytes (mice, chickens).
- R01CA-17050-01 (ALY) HARRSHMAN, SIDNEY, DEPT OF MICROBIOLOGY, VANDERBILT SCH OF MED, NASHVILLE, TENN. Glycoprotein agglutinins of normal and transformed cells (mice).
- R01CA-17069-01 (PTHB) DAVIDSOHN, ISRAEL, MOUNT SINAI HOSPITAL, CALIF AVE AT 15TH STREET, CHICAGO, ILL. Early diagnosis of cancer and of cancer metastases (human).
- R01CA-17099-01 (PTHB) WARREN, WILLIAM A, DIVISION OF LABORATORIES & RES, NEW YORK ST DEPT-NEW SCOTLAND, ALBANY, N Y. Factors in canine mast tumor implantation and growth (beagles).
- R01CA-17104-01 (ALY) LIKHTE, VIMAY, NEW YORK UNIVERSITY, DEPARTMENT OF BIOLOGY, NEW YORK, N Y. RNA-associated transfer factors in tumor immunity.
- R01CA-17117-01 (SSS) THOMAS, E DONNALL, PROVIDENCE HOSPITAL, 500 17TH AVENUE, SEATTLE, WASH. Protective environment in intensive cancer therapy (human).
- R01CA-17123-03 (BIO) REITER, HARRYARD, UNIVERSITY OF ILLINOIS, 835 SOUTH WOLCOTT STREET, CHICAGO, ILL. Membrane active inhibitors of DNA replication (bacteria).
- R10CA-17125-01 (CCI) DEL REGATO, JUAN A, UNIVERSITY OF SOUTH FLORIDA, 13000 NORTH 30TH STREET, TAMPA, FLA. Radiotherapy for cancer of the prostate.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- N01CA-17131-07 (BIO) TREMBLAY, GEORGE C, UNIVERSITY OF RHODE ISLAND, DEPARTMENT OF BIOCHEMISTRY, KINGSTON, RI. Regulation of pyrimidine biosynthesis in the rat.
 N01CB-02103-10 (**) DARROW, CLEMENT C, BETHESDA, MARYLAND. Bone marrow transplantation studies in Rhesus monkeys.
 N01CB-02207-09 (**) MATTHEWS, EDWIN, BETHESDA, MARYLAND. In vitro tests for tumor specific antigens (human, animals).
 N01CB-02208-04 (**) WEISS, DAVID W, JERUSALEM, ISRAEL. Pre-clinical studies on tumor protective activity of MER (mice, guinea pigs).
 N01CB-02320-07 (**) MC COY, JAMES L, BETHESDA, MARYLAND. Immunological studies of murine RNA oncogenic viruses (rats).
 N01CB-12078-04 (**) MAYYASI, S A, MAYWOOD, NEW JERSEY. Production of human lymphoid cells in culture.
 N01CB-12087-05 (**) LANE, FRANK W, HANOVER, NEW HAMPSHIRE. Conduct radiation therapy treatment.
 N01CB-22000-07 (**) FONTANA, R S, ROCHESTER, MINNESOTA. Detection and localization of bronchogenic carcinoma.
 N01CB-23227-03 (**) MC COY, JAMES L, BETHESDA, MARYLAND. Measurement of immunological reactivity to human cancer.
 N01CB-23230-02 (**) TALLEY, ROBERT W, DETROIT, MICHIGAN. Provide patient input for primary breast cancer study.
 N01CB-23231-02 (**) CARTER, ANNE C, ALBANY, NEW YORK. Provide patient input for primary breast cancer study.
 N01CB-23232-02 (**) HAINES, CARLETON R, BURLINGTON, VERMONT. Patient input for primary breast cancer study.
 N01CB-23853-07 (**) HERRING, DAVID F, LA JOLLA, CALIFORNIA. Study regional impact for cancer research centers.
 N01CB-23854-02 (**) GO, YAYIANG W, ROCHESTER, MINNESOTA. Usefulness of carcinoembryonic antigen in diagnosis of bowel carcinoma.
 N01CB-23856-02 (**) LARSON, BRUCE L, URBANA, ILLINOIS. Cellular control in mammary involution and dedifferentiation (rats, cattle, mice).
 N01CB-23857-02 (**) MC CARTY, KENNETH S, DURHAM, NORTH CAROLINA. Protein nucleic acid interactions (mice).
 N01CB-23858-02 (**) LEIGHTON, JOSEPH, PHILADELPHIA, PENNSYLVANIA. Diagnostic characterization of mammary tumors (human).
 N01CB-23859-02 (**) PEARSON, OLOF H, CLEVELAND, OHIO. The role of prolactin in breast cancer (human, rats).
 N01CB-23860-02 (**) SHERWIN, RUSSELL P, LOS ANGELES, CALIFORNIA. Documentation of human breast cancer in tissue culture.
 N01CB-23861-02 (**) ELIAS, JOEL, SAN FRANCISCO, CALIFORNIA. Hormonal requirements of normal and abnormal human mammary tissue.
 N01CB-23862-03 (**) MC GUIRE, WILLIAM, SAN ANTONIO, TEXAS. Biochemical mechanism of endocrine induced cancer regression (human, rats).
 N01CB-23863-02 (**) HYMER, WESLEY C, UNIVERSITY PARK, PENNSYLVANIA. Isolation of prolactin cells from the human and rat adenohypophysis.
 N01CB-23864-02 (**) KIM, UNTAE, BUFFALO, NEW YORK. The prevention of metastasis in mammary cancer (rats).
 N01CB-23865-02 (**) DAO, THOMAS L, BUFFALO, NEW YORK. Basic biological events in the pathogenesis of mammary cancer (rats).
 N01CB-23866-03 (**) MC LIMANS, WILLIAM F, NEW YORK, NEW YORK. The in vitro cell and mammary cancer (human, rats).
 N01CB-23867-03 (**) O'BRIEN, PAUL, CHARLESTON, SOUTH CAROLINA. Collection of specimens from patients with breast cancer.
 N01CB-23868-02 (**) LASFARGUES, ETIENNE Y, CAMDEN, NEW JERSEY. Tissue culture lines from patients with breast cancer.
 N01CB-23869-01 (**) REEVES, WILLIAM J, HOUSTON, TEXAS. Establish tissue culture lines from human breast cancer.
 N01CB-23871-04 (**) MARCUS, DONALD M, BRONX, NEW YORK. Purification of an antigen from human mammary carcinoma.
 N01CB-23872-05 (**) BAUM, GILBERT, BRONX, NEW YORK. Ultrasound mammography.
 N01CB-23873-02 (**) DE SOMBRE, EUGENE R, CHICAGO, ILLINOIS. Breast cancer (rats).
 N01CB-23874-03 (**) FAIRBANKS, GRANT, SHREWSBURY, MASSACHUSETTS. Hormone-mediated differentiation of mouse mammary epithelium.
 N01CB-23875-02 (**) STOCKDALE, FRANK E, STAMFORD, CALIFORNIA. Control DNA synthesis in the mammary gland.
 N01CB-23876-02 (**) FISHER, BERNARD, PITTSBURG, PENNSYLVANIA. Primary breast cancer therapy group (NSABP).
 N01CB-23877-04 (**) TODD, CHARLES W, DUARTE, CALIFORNIA. Purified carcinoembryonic antigen and antisera.
 N01CB-23878-03 (**) LAVRIN, DAVID H, BETHESDA, MARYLAND. Immune responses of mice and rats to tumor associated antigens (also hamsters).
 N01CB-23879-02 (**) SCHUTT, ALLAN J, ROCHESTER, MINNESOTA. Establishment and maintenance of blood serum bank (human).
 N01CB-23886-02 (**) COHN, MELVIN, SAN DIEGO, CALIFORNIA. Facility for supplying immune related cell lines (mice).
 N01CB-23888-06 (**) HERZENBERG, LEONARD A, STAMFORD, CALIFORNIA. Modify MCI electronic cell sorter.
 N01CB-23890-03 (**) SELA, MICHAEL, REHOVOT, ISRAEL. Syngenic cell, immunologic technique, inducing factors for leukemia cell (mice).
 N01CB-23891-06 (**) MC KENNA, THOMAS W, ROCKVILLE, MARYLAND. Follow-up survey of research training programs.
 N01CB-31146-27 (**) ROGGEN, ARTHUR E, WORCESTER, MASSACHUSETTS. Immunological characterization studies of rat strains and their neoplasms.
 N01CB-33208-03 (**) WYNDER, ERNEST L, NEW YORK, NEW YORK. Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis.
 N01CB-33855-04 (**) LIPPAMANN, MORTON, NEW YORK, NEW YORK. Study of intrabronchial deposition on inhaled radioopaque particles.
 N01CB-33856-02 (**) GIOVANELLA, BEPPINO C, HOUSTON, TEXAS. Study breast cancer transplantability in nude athymic mice (human).
 N01CB-33859-01 (**) WIGZELL, HANS, STOCKHOLM, SWEDEN. Purified cells and antibodies in cell mediated lysis (chick, human, mice).
 N01CB-33862-02 (**) WHEELLESS, LEON L, ROCHESTER, NEW YORK. Slit-scan technique for cancer detection in cytology.
 N01CB-33864-02 (**) MALIN, MORTON V, PHILADELPHIA, PENNSYLVANIA. Computer accessed bibliographic and citation data.
 N01CB-33866-01 (**) ANDERSSON, BURGER, STOCKHOLM 60, SWEDEN. T-lymphocytes in tumor associated immunity (mice).
 N01CB-33868-01 (**) BLOMGREN, HENRIC, STOCKHOLM 60, SWEDEN. Cell synergy in cell bound immune reactions (mice).
 N01CB-33869-01 (**) GOLDENBERG, DAVID M, LEXINGTON, KENTUCKY. Experimental systems for carcinoembryonic antigen (hamsters).
 N01CB-33870-01 (**) KLEIN, EVA, STOCKHOLM 60, SWEDEN. Effector mechanisms in tumor associated immune reactions (mice, human).
 N01CB-33871-01 (**) OVERTON, TERRY S, WAYNE, PENNSYLVANIA. Evaluation of National Cancer Institute services.
 N01CB-33873-02 (**) WIED, GEORGE L, CHICAGO, ILLINOIS. Information requirements for image processing of cell samples.
 N01CB-33874-01 (**) PAWSON, DAVID L, WASHINGTON, DISTRICT OF COLUMBIA. Registry of tumors in lower animals.
 N01CB-33875-03 (**) WOODS, ROY, SPRINGFIELD, VIRGINIA. Immunodiagnosis of human malignancy.
 N01CB-33880-01 (**) HILF, RUSSELL, ROCHESTER, NEW YORK. Isoenzymes in normal, preneoplastic and neoplastic breast tissues.
 N01CB-33881-01 (**) VANDER LANN, W P, LA JOLLA, CALIFORNIA. Prolactin radioimmunoassays for breast cancer (human).
 N01CB-33882-01 (**) PETRAKIS, NICHOLAS L, SAN FRANCISCO, CALIFORNIA. Application of breast pump to obtain breast secretions (human).
 N01CB-33883-01 (**) KRATOCHWILL, KLAUS, SALZBURG, AUSTRIA. Embryonic mammary gland and androgenic hormones (mice).
 N01CB-33885-01 (**) DE WAARD, FRITS, AMSTERDAM, THE NETHERLANDS. Overweight in breast cancer epidemiology (human).
 N01CB-33886-01 (**) SKY-PECK, HOWARD M, CHICAGO, ILLINOIS. Cell kinetics of breast cancer (human).
 N01CB-33887-01 (**) TRIGERIS, ANDREW S, LAUREL, MARYLAND. Maintain an animal holding facility and provide research services.
 N01CB-33896-02 (**) CHURCHILL, W HALLOWELL, BOSTON, MASSACHUSETTS. Tumor immunity and immunotherapy of rat mammary tumor.
 N01CB-33898-02 (**) GAFFNEY, E V, UNIVERSITY PARK, PENNSYLVANIA. Cultivation of normal and malignant human mammary cells.
 N01CB-33899-01 (**) AHMANN, DAVID L, ROCHESTER, MINNESOTA. Chemotherapy utilizing 5-FU, cytosan and prednisone (human).
 N01CB-33901-01 (**) LYNCH, HENRY T, OMAHA, NEBRASKA. Breast cancer family resources.
 N01CB-33902-02 (**) LONGCOPE, CHRISTOPHER, SHREWSBURY, MASSACHUSETTS. Breast cancer and estril dynamics.
 N01CB-33903-01 (**) POST, JOSEPH, NEW YORK, NEW YORK. Cell kinetics of breast cancer (human).
 N01CB-33905-01 (**) LUCAS, ZOLTAN J, STAMFORD, CALIFORNIA. Effect or molecule binding to mammary cell surfaces.
 N01CB-33906-01 (**) ABRAHAM, SAMUEL, OAKLAND, CALIFORNIA. Cell types in cultures of normal and neoplastic breast tissues (human, animals).
 N01CB-33907-01 (**) OHNO, SUSUMU, DUARTE, CALIFORNIA. Mammary gland in pseudohermaphroditic rats and mice.
 N01CB-33908-01 (**) FAIRBANKS, GRANT, SHREWSBURY, MASSACHUSETTS. Mammary epithelial cell membrane (mice, rats).
 N01CB-33909-01 (**) SCOTT, DAVID P, AUGUSTA, GEORGIA. Roles of 3',5'-cyclic AMP and enzyme systems in mammary gland neoplasia (mice).
 N01CB-33910-02 (**) EBNER, KLIRT E, STILLWATER, OKLAHOMA. Biochemical means by which effector molecules bind to mammary cell (human).
 N01CB-33912-01 (**) DOUGLAS, STEVEN D, NEW YORK, NEW YORK. Biochemical means by which effector molecules bind to mammary cell (human).
 N01CB-33915-01 (**) NAJARIAN, JOHN S, MINNEAPOLIS, MINNESOTA. Collection of sera from populations with high cancer risk (human).
 N01CB-33918-01 (**) ROBINSON, DWIGHT R, BOSTON, MASSACHUSETTS. Role of prostaglandins in mammary gland neoplasia (human).
 N01CB-33919-02 (**) MAUDSLEY, DAVID V, SHREWSBURY, MASSACHUSETTS. Role of prostaglandins in mammary gland neoplasia (mice).
 N01CB-33920-02 (**) BURSTEIN, SUMNER H, SHREWSBURY, MASSACHUSETTS. Determine role of prostaglandins in normal and abnormal mammary glands (mice).
 N01CB-33921-01 (**) KODLIN, DANKWARD, OAKLAND, CALIFORNIA. Chronic mastopathy and breast cancer.
 N01CB-43852-00 (**) MORTON, DONALD L, LOS ANGELES, CALIFORNIA. Human melanoma-evaluation of BCG immunotherapy.
 N01CB-43853-00 (**) YUNIS, EDMOND J, MINNEAPOLIS, MINNESOTA. Assays for immune depression in cancer patients.
 N01CB-43854-00 (**) FOGH, JORGEN E, NEW YORK, NEW YORK. Isolation and tissue culture of human tumor cells.
 N01CB-43854-00 (**) WYBRAN, JOSEPH, SAN FRANCISCO, CALIFORNIA. Rosetta forming cells and human diseases (sheep).
 N01CB-43857-00 (**) WALDMAN, ROBERT H, GAINESVILLE, FLORIDA. Human lung cancer-Evaluation of BCG therapy.
 N01CB-43858-00 (**) WITZ, ISAAC P, TEL-AVIV, ISRAEL. Nature of interactions between tumor cells and immunoglobins.
 N01CB-43859-00 (**) MARCHESI, VINCENT T, NEW HAVEN, CONNECTICUT. Biochemistry and diagnostic use of human tumor antigens.
 N01CB-43860-00 (**) WEIMBER, HENRY E, LOS ANGELES, CALIFORNIA. Development of immunodiagnostic tests for cancer.
 N01CB-43861-00 (**) ROSENBERG, EUGENE B, CORAL GABLES, FLORIDA. Procurement of tumor and serum from cancer patients.
 N01CB-43862-00 (**) PETZ, LAWRENCE D, SAN FRANCISCO, CALIFORNIA. Procurement of blood specimens from cancer patients and controls.
 N01CB-43854-00 (**) KOLLMORGEN, GERALD M, OKLAHOMA CITY, OKLAHOMA. Immunotherapy-Animal models to evaluate therapy with neuraminidase.
 N01CB-43865-00 (**) GERSHON, RICHARD K, NEW HAVEN, CONNECTICUT. Immunotherapy-Animal models for neuraminidase therapy evaluation.
 N01CB-43860-00 (**) COLE, R D, BERKELEY, CALIFORNIA. Mammary gland responsiveness to multiple hormones.
 N01CB-43867-00 (**) WELSCH, FEDERICO, SHREWSBURY, MASSACHUSETTS. Estrogen binding and estrophile proteins in human breast cancer.
 N01CB-43868-00 (**) BUNCHER, CHARLES R, CINCINNATI, OHIO. Statistical surveillance of lung cancer projects.
 N01CB-43869-00 (**) HABERMAN, JOANN D, OKLAHOMA CITY, OKLAHOMA. Mass screening for breast cancer (human).
 N01CB-43870-00 (**) ROSENFELD, RICHARD E, NEW YORK, NEW YORK. Detection of blood in feces (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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N01CB-43871-00 (** PAGE, DAVID L, NASHVILLE, TENNESSEE. Fibrocystic disease of the female breast and mammary carcinoma.
 N01CB-43872-00 (** LITTLE, J RUSSELL, ST LOUIS, MISSOURI. Immunological stimulant properties of amphotericin B.
 N01CB-43873-00 (** KRAHENBUHL, JAMES L, PALO ALTO, CALIFORNIA. Role of macrophages in the immune response.
 N01CB-43874-00 (** FELDMAN, JOSEPH D, LA JOLLA, CALIFORNIA. Circulating tumor antigens in immunotherapy (rats).
 N01CB-43875-00 (** DREYER, WILLIAM J, PASADENA, CALIFORNIA. Immunolax particles for T and B cells.
 N01CB-43876-00 (** PARKMAN, ROBERTSON, BOSTON, MASSACHUSETTS. Hybrid tumor cells—An immunotherapeutic agent.
 N01CB-43877-00 (** KAPLAN, ALAN M, RICHMOND, VIRGINIA. Immunotherapy—Mechanism of action of immunopotentiators (mice).
 N01CB-43878-00 (** LO BUGLIO, ALBERT F, COLUMBUS, OHIO. Transfer factor therapy of sarcoma (human).
 N01CB-43879-00 (** HOLLAND, JAMES F, NEW YORK, NEW YORK. Chemoinmunotherapy of acute myelocytic leukemia (human).
 N01CB-43881-00 (** FRIOU, GEORGE J, LOS ANGELES, CALIFORNIA. Antibodies to human tumor cells.
 N01CB-43882-00 (** MANSON, LIONEL A, PHILADELPHIA, PENNSYLVANIA. Antibodies to carcinoma in experimental animals.
 N01CB-43883-00 (** WIGZELL, HANS, UPPSALA, SWEDEN. Human peripheral blood mononuclear cell.
 N01CB-43885-00 (** WEINER, ROY S, BOSTON, MASSACHUSETTS. Improvement of assays for cell-mediated immunity.
 N01CB-43887-00 (** HERSH, THEODORE, ATLANTA, GEORGIA. Evaluation of assay for circulating tumor associated antigens (human).
 N01CB-43888-00 (** VOGEL, CHARLES L, ATLANTA, GEORGIA. Evaluation of assays of circulating tumor associated antigens.
 N01CB-43889-00 (** ALPERT, MORTON E, BOSTON, MASSACHUSETTS. New human tumor-associated antigens of the GI tract.
 N01CB-43890-00 (** VELTRI, ROBERT W, MORGANTOWN, WEST VIRGINIA. Search for new human tumor associated antigens in carcinoma of the lung.
 N01CB-43891-00 (** OSBORNE, JAMES W, IOWA CITY, IOWA. Animal models for circulating tumor associated antigens (Holtzman rats).
 N01CB-43893-00 (** HARRINGTON, JOHN T, SAN ANTONIO, TEXAS. Migration inhibition assays (mice, human).
 N01CB-43893-00 (** GO, V L, ROCHESTER, MINNESOTA. Early diagnosis of pancreatic cancer.
 N01CB-43896-00 (** FISCHER, HARRY W, ROCHESTER, NEW YORK. Development of method of bowel preparation to barium enema or colonoscopy (human).
 N01CB-43897-00 (** HORNING, EVAN C, HOUSTON, TEXAS. Steroid sulfate as diagnostic parameters in breast cancer.
 N01CB-43898-00 (** WELSCH, FEDERICO, SHREWSBURY, MASSACHUSETTS. Steroid sulfate as diagnostic parameters in breast cancer.
 N01CB-43899-00 (** SCHIFFER, LEWIS M, PITTSBURGH, PENNSYLVANIA. New techniques for the study of cell kinetics of breast cancer.
 N01CB-43900-00 (** DAO, THOMAS L, BUFFALO, NEW YORK. Steroid sulfation and estrogen binding in human breast cancer.
 N01CB-43902-00 (** LEDERBERG, JOSHUA, STANFORD, CALIFORNIA. Biochemical markers or enzyme changes that presage the presence of cancer (human).
 N01CB-43903-00 (** ODELL, WILLIAM D, TORRANCE, CALIFORNIA. Hormone markers for the detection and diagnosis of cancer (human).
 N01CB-43904-00 (** BENDICK, AARON, NEW YORK, NEW YORK. Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman).
 N01CB-43905-00 (** DANDUKER, W B, LA JOLLA, CALIFORNIA. Mammary gland responsiveness to multiple hormones (rats).
 N01CB-43900-00 (** ABELL, CREED W, GALVESTON, TEXAS. Growth alteration of mammary neoplastic cells (human, animals).
 N01CB-43907-00 (** KOHLER, PETER O, HOUSTON, TEXAS. Stroma in growth of neoplastic lesions of mammary gland (mice).
 N01CB-43908-00 (** WELLINGS, SEPTON R, DAVIS, CALIFORNIA. Preneoplastic lesions of the human mammary gland.
 N01CB-43910-00 (** HILAL, SADEK K, NEW YORK, NEW YORK. Computerized transaxial tomography in diagnosing brain tumors (human).
 N01CB-43911-00 (** HOLLIS, DONALD, BALTIMORE, MARYLAND. Nuclear magnetic resonance in neoplastic and non-neoplastic tissues.
 N01CB-43912-00 (** LITTLE, RALPH D, NEW ORLEANS, LOUISIANA. Development of hematoxylin substitutes for diagnostic tissue staining.
 N01CB-43913-00 (** CREAGER, WILLIAM A, ROCKVILLE, MARYLAND. Support for division of cancer research resources and centers, NCI.
 N01CB-43914-00 (** ROGDEN, ARTHUR E, WORCESTER, MASSACHUSETTS. Predictable transplantable mammary tumor model (animals).
 N01CB-43915-00 (** TRAPANI, ROBERT J, BETHESDA, MARYLAND. NCI human histocompatibility typing center.
 N01CB-43916-00 (** VOGEL, CHARLES L, ATLANTA, GEORGIA. Hormone therapy plus chemotherapy in patients with breast cancer.
 N01CB-43917-00 (** SPARKS, FRANK C, LOS ANGELES, CALIFORNIA. Therapy of carcinoma of the breast (human).
 N01CB-43918-00 (** SKAGGS, LESTER S, CHICAGO, ILLINOIS. Proton beam in tissue densitometry (human).
 N01CB-43919-00 (** BIBBO, MARLUCE, CHICAGO, ILLINOIS. Diagnostic value of gynecologic cytopathology samples.
 N01CB-43920-00 (** HAKOMORI, SEN-ITIROH, SEATTLE, WASHINGTON. Biochemistry of normal and tumor cell surface antigens.
 N01CB-43921-00 (** KLEIN, EVA, STOCKHOLM, SWEDEN. Human tumor associated antigens and corresponding antibodies.
 N01CB-43922-00 (** EBDIN, MICHAEL, BALTIMORE, MARYLAND. Organization and dynamics of cell surface membrane components.
 N01CB-43923-00 (** MAKELA, V E, HELSINKI, FINLAND. Specificity of antigen-binding receptors on T cells (mammals nonhuman).
 N01CB-43924-00 (** ROHOLT, OLIVER A, ALBANY, NEW YORK. Detection of antigen-binding activity of transplantable T-cell tumors.
 N01CB-43925-00 (** MCKENZIE, IAN F, VICTORIA, AUSTRALIA. Serologic and immunogenetic investigations.
 N01CB-43926-00 (** WAKSMAN, SYRON H, NEW HAVEN, CONNECTICUT. Chemical characterization of purified thymic products (mice).

N01CB-43927-00 (** BASCH, ROSS S, NEW YORK, NEW YORK. Mechanisms of lymphoid cell differentiation.
 N01CB-43920-00 (** CATSIMPOOLAS, NICHOLAS, CAMBRIDGE, MASSACHUSETTS. Lymphocytes and macrophages.
 N01CB-43929-00 (** EDWARDS, D C, BECKENHAM, ENGLAND. Selective stimulation or suppression of immunologic responses.
 N01CB-43930-00 (** MECHAMA, HARAN-GHERA, REHOVOT, ISRAEL. Mechanisms by which tumors avoid immune destruction (mice C57 Bl/6).
 N01CB-43931-00 (** KREIDER, JOHN W, UNIVERSITY PARK, PENNSYLVANIA. Nature and function of immune-related cells in tumor masses (mice).
 N01CB-43932-00 (** HENNEY, CHRISTOPHER S, BALTIMORE, MARYLAND. Mechanisms for cell-mediated destruction of tumor cells.
 N01CB-43933-00 (** TERASAKI, PAUL I, LOS ANGELES, CALIFORNIA. Sensitization of human lymphocytes.
 N01CB-43934-00 (** LILLY, FRANK, BRONX, NEW YORK. Genetic control of immune responses in relation to cancer (mice).
 N01CB-43935-00 (** STAMPLING, JACK H, GREAT FALLS, MONTANA. Production of mutant congenic mice.
 N01CB-43934-00 (** SHREFFLER, DONALD C, ANN ARBOR, MICHIGAN. Detection and development of genetic strains.
 N01CB-43937-00 (** HONITZ, ARTHUR C, PHILADELPHIA, PENNSYLVANIA. Vaginal-cervical cell sample sources for cytology automation.
 N01CB-43939-00 (** ANDERSON, DAVID E, HOUSTON, TEXAS. Aryl hydrocarbon and 16d hydroxylose in high and low risk breast cancer (human).
 N01CB-43940-00 (** CLUTON, FRANS J, AMSTERDAM, WETHERLANDS. Family and genetic studies in human breast cancer.
 N01CB-43941-00 (** MC DEVITT, HUGH O, STANFORD, CALIFORNIA. Recombinant inbred strains of mice for gene analysis.
 N01CB-43942-00 (** VALLEE, BERT L, CAMBRIDGE, MASSACHUSETTS. Immunochemistry of tumor angiogenesis factor (rabbits).
 N01CB-43943-00 (** HALPERN, DAVID B, WARRINGTON, PENNSYLVANIA. Detection of abnormal cervical cells.
 N01CB-43945-00 (** CASPERSSON, TORBJORN, STOCKHOLM, SWEDEN. Markers applicable to gynecologic cytopathology specimens (human).
 N01CB-43940-00 (** MC KHANN, CHARLES F, MINNEAPOLIS, MINNESOTA. Immunotherapy—Role of circulating tumor antigens (mice).
 N01CB-43948-00 (** SCHMIDTKE, JON R, MINNEAPOLIS, MINNESOTA. Macrophages in tumor immunology (human, mice).
 N01CB-43949-00 (** DECKERS, PETER J, BOSTON, MASSACHUSETTS. Subcellular fraction in immunotherapy—Tumor specific immunity with RNA.
 N01CB-43951-00 (** BARAA, PETER, CHICAGO, ILLINOIS. Effect of transfer factor on virus-induced tumors in marmoset monkey.
 N01CB-43953-00 (** PARONETTO, FIORENZO, NEW YORK, NEW YORK. Immunofluorescent techniques of antibodies against autologous human tumor cells.
 N01CB-43954-00 (** HEIN, GARY L, DECATUR, ILLINOIS. Assay delayed hypersensitivity via-skin test.
 N01CB-43955-00 (** TOLLES, WALTER E, ALBANY, NEW YORK. Cell preparations of gynecologic cytopathologic specimens.
 N01CB-43958-00 (** SCHUR, PETER H, BOSTON, MASSACHUSETTS. New human tumor associated antigens of the GI tract.
 N01CB-43960-00 (** WEST, SEYMOUR, BIRMINGHAM, ALABAMA. Optical markers useful as gynecologic cytopathologic specimens (human).
 N01CB-43962-00 (** LIEF, ROBERT C, MIAMI, FLORIDA. Staining gynecologic cytopathologic specimens (human).
 N01CB-43963-00 (** KOSS, LEOPOLD G, BRONX, NEW YORK. Gynecologic cytopathology specimens in suspension (human).
 N01CB-43964-00 (** CHESB, LEONARD, BOSTON, MASSACHUSETTS. Human peripheral blood mononuclear cells.
 N01CB-43965-00 (** HENNEY, CHRISTOPHER S, BALTIMORE, MARYLAND. Improvements of assays for cell-mediated immunity (mice).
 N01CB-43967-00 (** ARAI, KAZUHIKO, PHILADELPHIA, PENNSYLVANIA. Hapten treatment of cancer (rats).
 N01CB-43968-00 (** SONGSTER, CURTIS, LOUISVILLE, KENTUCKY. Detection of small amounts of human blood in feces.
 N01CB-43969-00 (** JENSEN, ELWOOD V, CHICAGO, ILLINOIS. Prediction of breast cancer response to adrenalectomy.
 N01CB-43970-00 (** BOREL, YVES R, BOSTON, MASSACHUSETTS. Selective stimulation of suppression of humoral or cellular immunologic responses.
 N01CB-43971-00 (** TOIVANEN, PAAVO, TURKU, FINLAND. Mechanisms of lymphoid cell differentiation (human, sheep, chickens).
 N01CB-43972-00 (** SERCARZ, ELI E, LOS ANGELES, CALIFORNIA. Genetic control of immune response to cancer.
 N01CB-43973-00 (** TULINIUS, HRAFN, LYON, FRANCE. Familiality of breast cancer in Iceland.
 N01CB-43974-00 (** PRESENT, ARTHUR, CHICAGO, ILLINOIS. Methods of bowel preparation for barium enema or colonoscopy (human).
 N01CB-43975-00 (** FITZGERALD, PATRICK J, NEW YORK, NEW YORK. Early diagnosis of pancreatic cancer, prior to the presence of metastases (human).
 N01CB-43976-00 (** MOOSA, A R, CHICAGO, ILLINOIS. Early detection of pancreatic cancer (human).
 N01CB-43977-00 (** BARNARD, ERIC A, ALBANY, NEW YORK. Biochemical markers or enzyme changes that presage the presence of cancer (human).
 N01CB-43978-00 (** HAZLEWOOD, CARLTON, HOUSTON, TEXAS. NMR studies in neoplastic and non-neoplastic tissues.
 N01CB-43979-00 (** DAMADIAN, RAYMOND, ALBANY, NEW YORK. NMR studies in neoplastic and non-neoplastic tissues.
 N01CB-43980-00 (** POTTS, D GORDON, NEW YORK, NEW YORK. Tomography in diagnosis of brain tumors.
 N01CB-43981-00 (** DAVIS, DAVID O, WASHINGTON, DISTRICT OF COLUMBIA. Tomography in diagnosis of brain tumors.
 N01CB-43982-00 (** BAKER, H L, ROCHESTER, MINNESOTA. Computerized transaxial tomography in brain tumor diagnosis (human).
 N01CB-43983-00 (** NEW, PAUL J, BOSTON, MASSACHUSETTS. Computerized transaxial tomography in the diagnosis of brain tumors (human).
 N01CB-43984-00 (** TODD, PAUL W, UNIVERSITY PARK, PENNSYLVANIA. Markers applicable to gynecologic cytopathology specimens (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1CB-43985-00 (** ROSEMAN, SAUL, BALTIMORE, MARYLAND. Normal and tumor cell surface antigens.

NO1CB-43986-00 (** SMITHIES, OLIVER, MADISON, WISCONSIN. Biochemistry of normal and tumor cell surface antigens.

NO1CB-43987-00 (** KIEHN, EDWARD D, SEATTLE, WASHINGTON. Organization and dynamics of cell surface membrane components.

NO1CB-43988-00 (** CHERRY, MARIANNA, BAR HARBOR, MAINE. Production and distribution of H-2 recombinant mutants (mice).

NO1CB-43989-00 (** BAHL, OM P, BUFFALO, NEW YORK. Identification and purification of endoglycosidases.

NO1CB-43990-00 (** HUBAY, CHARLES A, CLEVELAND, OHIO. Therapy of carcinoma of breast (human).

NO1CB-43991-00 (** PERLIA, CHARLES P, CHICAGO, ILLINOIS. Hormone therapy plus chemotherapy in patients with breast cancer.

NO1CB-43992-00 (** BRADY, L W, PHILADELPHIA, PENNSYLVANIA. Clinical application of electron radiography.

NO1CB-43993-00 (** DODD, GERALD D, HOUSTON, TEXAS. Xeromammography versus film mammography (human).

NO1CB-43994-00 (** GERSHON, RICHARD K, NEW HAVEN, CONNECTICUT. Humoral or cellular immunologic responses (mice).

NO1CB-43997-00 (** SCHWAB, JOHN H, CHAPEL HILL, NORTH CAROLINA. Humoral or cellular immunologic responses.

NO1CB-43998-00 (** ROWLEY, DONALD A, CHICAGO, ILLINOIS. Selective stimulation or suppression of immunologic responses.

NO1CB-43999-00 (** MAURER, PAUL H, PHILADELPHIA, PENNSYLVANIA. Specificity of antigen-binding receptors on T-cells (mice).

NO1CB-44000-00 (** WALLACH, DONALD P, BOSTON, MASSACHUSETTS. Organization and dynamics of cell surface membrane components.

NO1CB-44001-00 (** RUSSELL, STEPHEN W, LA JOLLA, CALIFORNIA. Nature and function of immune-related cells in tumor masses.

NO1CB-44002-00 (** FISHMAN, JACK, BRONX, NEW YORK. Biochemical and physiological investigations in familial genetic patterns.

NO1CB-44003-00 (** LYNCH, HENRY T, OMAHA, NEBRASKA. Biochemical and physiological investigations based on familial genetic patterns.

NO1CB-44004-00 (** ANDERSON, DAVID E, HOUSTON, TEXAS. Genetic polymorphism in high and low risk breast cancer families.

NO1CB-44005-00 (** DVORAK, HAROLD P, BOSTON, MASSACHUSETTS. Biochemistry of normal and tumor-cell surface antigens.

NO1CB-44007-00 (** NOT APPLICABLE, MAYNARD, MASSACHUSETTS. Provision of laboratory computer system, hardware, software, documentation.

NO1CB-44008-00 (** RIFKIND, RICHARD A, NEW YORK, NEW YORK. Organization and dynamics of cell surface membrane components.

NO1CB-44009-00 (** BENNETT, J CLAUDE, BIRMINGHAM, ALABAMA. Biochemistry of normal and tumor cell surface antigens (mice).

NO1CB-44010-00 (** MASON, MARCUS W, WORCESTER, MASSACHUSETTS. Compilation of anti-uterotropic, progestational & anti-progestational assays.

NO1CB-44011-00 (** LESTER, RICHARD G, DURHAM, NORTH CAROLINA. Xeromammography versus film mammography (human).

NO1CB-44012-00 (** STRAZ, PHILIP, NEW YORK, NEW YORK. Xeromammography versus film mammography (human).

NO1CB-50573-16 (** MC MAHAN, C A, NEW ORLEANS, LOUISIANA. Statistical services for breast cancer groups.

NO1CB-6096B-14 (** WELSCH, FEDERICO, SHREWSBURY, MASSACHUSETTS. Automated methods for steroid hormone metabolites.

NO1CB-71465-09 (** VESTERGAARD, PER B, ALBANY, NEW YORK. Steroid excretion study in patients with breast cancer.

NO1CB-90033-10 (** FAULKNER, LESLIE J, JR, DAVIS, CALIFORNIA. Study of mammary tumors in dogs.

NO1CB-92142-13 (** POTTER, MICHAEL, BETHESDA, MARYLAND. Transplantation and preservation of plasma cell tumors in mice.

NO1CB-92172-09 (** FROST, JOHN K, BALTIMORE, MARYLAND. Early detection, localization and therapy of lung cancer (human).

NO1CB-92176-09 (** HOLLINSHEAD, ARIEL C, WASHINGTON, DISTRICT OF COLUMBIA. Hypersensitivity to antigens on malignant and non-malignant cells (human).

NO1CB-92177-10 (** TRAPANI, ROBERT J, BETHESDA, MARYLAND. NCI human histocompatibility typing center.

NO1CL-42150-04 (** SCHMIDT, PAUL J, BETHESDA, MARYLAND. Plateletpheresis program.

NO1CL-42174-00 (** NOT APPLICABLE, MINNEAPOLIS, MINNESOTA. Clinical laboratory information system.

NO1CL-42188-00 (** WILCOX, JEROME C, DAVIS, CALIFORNIA. High level language implementation of mumps interpreter.

NO1CM-02008-07 (** MARGARD, WERNER L, COLUMBUS, OHIO. Incidence of Salmonella carriers in mice.

NO1CM-02028-07 (** MEALEY, JOHN, JR, BLOOMINGTON, INDIANA. Experimental chemotherapy of brain tumors (human).

NO1CM-02020-07 (** ODOM, GUY L, DURHAM, NORTH CAROLINA. Cooperative studies in brain tumor chemotherapy.

NO1CM-02035-05 (** HAUSCHKA, THEODORE S, BUFFALO, NEW YORK. Iso-antigen typing of mouse strains and tumors.

NO1CM-02041-10 (** COX, ELDON J, INDIANAPOLIS, INDIANA. Maintenance of rodent and genetic production centers.

NO1CM-02043-06 (** FOSTER, HENRY J, WILMINGTON, MASSACHUSETTS. Maintenance of a rodent breeding and production colony.

NO1CM-02044-07 (** FORTNEY, R D, MADISON, WISCONSIN. Maintenance of a rodent breeding and production colony.

NO1CM-02055-13 (** SCHIAFFI, ULRICH, WORCESTER, MASSACHUSETTS. Preclinical evaluation of compounds (mice, rats, dogs, monkeys).

NO1CM-02066-08 (** MOERTEL, CHARLES G, ROCHESTER, MINNESOTA. Investigation of new drugs on treatment of gastrointestinal cancers (human).

NO1CM-02083-12 (** SCHMIDT, LEON H, BIRMINGHAM, ALABAMA. Pharmacology of anti-leukemic and other anticancer drugs (monkeys, dogs, rodents).

NO1CM-02092-05 (** TERASAKI, PAUL I, LOS ANGELES, CALIFORNIA. HL-A typing for platelet and leukocyte transfusions.

NO1CM-02136-05 (** MANTHEI, ROLAND W, PHILADELPHIA, PENNSYLVANIA. Pharmacology of new antitumor agents (human, mammals, nonhuman).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1CM-02225-07 (** SIGEL, MICHAEL M, CORAL GABLES, FLORIDA. Test for cytotoxicity of chemical agents.

NO1CM-02239-09 (** DE FELIPPI, RICHARD P, CAMBRIDGE, MASSACHUSETTS. Increase the efficiency of human blood cell procurement.

NO1CM-02271-06 (** GLICK, J LESLIE, BUFFALO, NEW YORK. Human hematopoietic tissue culture cell lines.

NO1CM-12007-06 (** FORTNEY, R D, MADISON, WISCONSIN. Maintenance of rodents in controlled environments.

NO1CM-12010-05 (** WEIR, JOHN A, LAWRENCE, KANSAS. Maintenance of nucleus colony of inbred mice.

NO1CM-12094-03 (** BODEY, GERALD P, HOUSTON, TEXAS. Role of protected environment in therapy of acute leukemia.

NO1CM-12098-11 (** SCHABEL, F M, JR, BIRMINGHAM, ALABAMA. Analysis, testing and evaluation of anti-cancer agents (mammal, nonhuman).

NO1CM-12099-07 (** KUPCHAN, S MORRIS, CHARLOTTESVILLE, VIRGINIA. Extraction of tumor inhibitors.

NO1CM-12123-05 (** CHAMBERS, ROBERT W, WASHINGTON, DISTRICT OF COLUMBIA. Viral studies in support of cancer chemotherapy patients.

NO1CM-12127-03 (** WEISS, DAVID W, JERUSALEM, ISRAEL. Antitumor resistance by extract of tubercle bacilli (human, mice).

NO1CM-12139-04 (** EBERT, WILLIAM R, COLUMBUS, OHIO. Prepare oral dosage forms.

NO1CM-12162-04 (** TANABE, MASATO, MENLO PARK, CALIFORNIA. Preparation of radiolabeled chemicals and drugs.

NO1CM-12165-04 (** COLLINS, G ROBERT, MIDLAND, MICHIGAN. Preparation of bulk chemicals and drugs.

NO1CM-12181-03 (** OWENS, GUY, HARTFORD, CONNECTICUT. Brain tumor chemotherapy (human).

NO1CM-12184-04 (** AZARNOFF, DANIEL L, KANSAS CITY, KANSAS. Pharmacokinetics of anticancer drugs.

NO1CM-12185-05 (** AHMANN, DAVID L, ROCHESTER, MINNESOTA. Research on carcinoma of the breast (human).

NO1CM-12186-04 (** BOREK, ERNEST, DENVER, COLORADO. Development of inhibitors to RNA methylation (mammals nonhuman).

NO1CM-12188-04 (** CHANCE, BRITTON, PHILADELPHIA, PENNSYLVANIA. Biochemical screening for anti-cancer agents (mammals).

NO1CM-12192-04 (** JAENIKE, ROGER S, FORT COLLINS, COLORADO. Toxicology of antineoplastic agents (mammals).

NO1CM-12206-05 (** STRAW, JAMES A, WASHINGTON, DISTRICT OF COLUMBIA. Solid tumor pharmacology in laboratory animals (dogs).

NO1CM-12259-06 (** ROGGEN, ARTHUR E, WORCESTER, MASSACHUSETTS. New agent screening for chemotherapy cancer use (mice).

NO1CM-12275-03 (** WELLS, ROBERT D, MADISON, WISCONSIN. Studies on reverse transcriptase in RNA tumor viruses.

NO1CM-12308-05 (** PETTIT, GEORGE R, TEMPE, ARIZONA. Isolate antitumor agents from natural products.

NO1CM-12309-04 (** BLOCK, PETER B, KING OF PRUSSIA, PENNSYLVANIA. Synthesis of coordination compounds as potential antitumor agents.

NO1CM-12314-04 (** ASH, ARTHUR S, DETROIT, MICHIGAN. Operate a synthesis laboratory.

NO1CM-12323-06 (** GEHRKE, CHARLES W, COLUMBIA, MISSOURI. Development and application of gas chromatographic techniques.

NO1CM-12326-03 (** FRIEDMAN, ORRIE M, WALTHAM, MASSACHUSETTS. Preparation of polymeric materials.

NO1CM-12339-05 (** CANELLAKIS, EVANGELO S, NEW HAVEN, CONNECTICUT. Biochemical screening for anticancer agents.

NO1CM-12340-07 (** WU, ALAN M, BETHESDA, MARYLAND. Develop new approaches to cancer chemotherapy (human).

NO1CM-12342-06 (** HOYT, WILLIAM, MADISON, WISCONSIN. Rodent breeding center.

NO1CM-22002-05 (** BARSON, ROBERT, RAHWAY, NEW JERSEY. Provision of commercially unobtainable compounds.

NO1CM-22004-06 (** OTIS, ALBERT P, NORTH WILMINGTON, MASSACHUSETTS. Maintenance of a genetic center.

NO1CM-22013-03 (** TILL, WALTER H, PRATTVILLE, ALABAMA. Maintenance of a rodent production center.

NO1CM-22042-02 (** HUENNEKENS, FRANK M, LA JOLLA, CALIFORNIA. Preparation and testing of vitamin B12 analogs (mice).

NO1CM-22044-03 (** O'POGLUDHA, PEARGHUS T, DURHAM, NORTH CAROLINA. Improving radioautographic emulsions and processing methods (mammals).

NO1CM-22053-04 (** TAGNON, HENRI J, BRUSSELS, BELGIUM. Liaison office for cancer chemotherapy.

NO1CM-22054-04 (** SAKURAI, YOSHIO, TOKYO, JAPAN. Establish cancer liaison office in Japan.

NO1CM-22059-04 (** VAN HOOSIER, GERALD L, JR, PULLMAN, WASHINGTON. Primary genetic-production center.

NO1CM-22062-05 (** RICHARDSON, LINDA, BETHESDA, MARYLAND. Procurement of embryonic cell lines with variable growth rates (mice, rats).

NO1CM-22072-04 (** DAO, THOMAS L, ALBANY, NEW YORK. Clinical trials of carcinoma of the breast.

NO1CM-22074-06 (** HORTON, JOHN, ALBANY, NEW YORK. Services for research and experimentation on breast carcinoma.

NO1CM-22078-04 (** FARNSWORTH, NORMAN R, URBANA, ILLINOIS. Develop active antitumor agents from natural sources.

NO1CM-23200-03 (** MITOMA, CHOZO, MENLO PARK, CALIFORNIA. Metabolism of antineoplastic agents (rats).

NO1CM-23201-04 (** REED, DONALD J, CORVALLIS, OREGON. Metabolism of antineoplastic agents (mammals).

NO1CM-23203-05 (** STARKS, FRED W, BUFFALO, NEW YORK. Synthesis of cancer chemotherapy compounds.

NO1CM-23208-03 (** RINEHART, KENNETH L, JR, URBANA, ILLINOIS. Study of streptovaricins and related compounds.

NO1CM-23211-05 (** BRIDY, BERNARD A, NEWARK, NEW JERSEY. Virus diagnostic and research laboratory.

NO1CM-23218-04 (** HARLAN, H P, CUMBERLAND, INDIANA. Maintenance of a rodent production center.

NO1CM-23219-03 (** SIMONSEN, HARRY C, GILROY, CALIFORNIA. Maintenance of a rodent production center.

NO1CM-23223-03 (** KUTNEY, JAMES P, VANCOUVER, CANADA. Synthesis of vinblastine, vincristine and related anti-tumor agents.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- NO1CM-23241-04 (***) HARRIS, PHILIP A, LOS ANGELES, CALIFORNIA. Distribution, disposition, and metabolism of antineoplastic agents.
- NO1CM-23242-02 (***) GARATTINI, SILVIO, MILAN, ITALY. Distribution, disposition and metabolism of antineoplastic agents.
- NO1CM-23257-04 (***) HARRIS, GEORGE H, CAMBRIDGE, MASSACHUSETTS. DR and D chemotherapy biological data processing system.
- NO1CM-23701-04 (***) BOWLES, CHARLES A, VIENNA, VIRGINIA. Perform mixed leucocyte cultures (human, dogs).
- NO1CM-23703-06 (***) MARTIN, DANIEL S, JAMAICA, NEW YORK. Therapy evaluation against spontaneous mammary cancer (mice).
- NO1CM-23704-03 (***) GARGUS, JAMES L, VIENNA, VIRGINIA. Screening agents for cancer chemotherapy (rodents).
- NO1CM-23705-03 (***) POSTER, A M, BUFFALO, NEW YORK. Collecting chemical compounds and drugs for antitumor testing.
- NO1CM-23707-05 (***) DRAPER, MARSHALL D, SIMI VALLEY, CALIFORNIA. Preparation of bulk chemicals and drugs.
- NO1CM-23708-04 (***) ELSLAGER, EDWARD F, DETROIT, MICHIGAN. Preparation of bulk chemicals and drugs.
- NO1CM-23718-03 (***) TOWNSEND, LEROY B, SALT LAKE CITY, UTAH. Synthesis of potential antiviral-anticancer purine nucleosides.
- NO1CM-23711-05 (***) WECHSLER, A E, CAMBRIDGE, MASSACHUSETTS. Biomedical engineering research services.
- NO1CM-23712-03 (***) MALIBLO, J A, MIDLAND, MICHIGAN. Effects of anticancer agents on reproduction (rats, mice, rabbits).
- NO1CM-23715-02 (***) YANKO, WILLIAM H, DAYTON, OHIO. Services to prepare radioactive labeled materials.
- NO1CM-23717-02 (***) LAMERTON, LEONARD F, LONDON, ENGLAND. Chemotherapeutic response of tumors and the granulocyte system (mammals nonhuman).
- NO1CM-23718-02 (***) POLLARD, MORRIS, NOTRE DAME, INDIANA. Regulation of the microflora of leukemic laboratory animals.
- NO1CM-23719-03 (***) RAZDAN, RAJK, CAMBRIDGE, MASSACHUSETTS. Synthesis of CNS-antitumor agents.
- NO1CM-33701-01 (***) BURNS, KENNETH, NEW ORLEANS, LOUISIANA. Genetic center for inbred hybrid and outbred rodents in a germfree environment.
- NO1CM-33702-01 (***) OLSON, BIRGER H, LANSING, MICHIGAN. Tissue culture assay of antibiotic bears and purified preparations (mice).
- NO1CM-33708-01 (***) SMITH, R NELSON, CLAREMONT, CALIFORNIA. Structural properties of cancer therapeutic agents.
- NO1CM-33704-03 (***) ROENIGK, HENRY H, JR, CLEVELAND, OHIO. Methotrexate-Hepatotoxicity study (human).
- NO1CM-33705-01 (***) GOOD, ROBERT C, VIENNA, VIRGINIA. Determinative and diagnostic microbiological services.
- NO1CM-33706-05 (***) SANFACON, THOMAS J, ALEXANDRIA, VIRGINIA. DR&D biological data processing system.
- NO1CM-33707-02 (***) NEH, GARY L, KALAMAZOO, MICHIGAN. Drug evaluation, development and screening.
- NO1CM-33708-03 (***) DALGARD, DANIEL W, VIENNA, VIRGINIA. Pharmacologic and carcinogenic studies in neonatal primates (mice).
- NO1CM-33709-02 (***) ELARD, JAMES A, DAYTON, OHIO. Resynthesis of drugs and chemicals.
- NO1CM-33711-01 (***) BERTINO, JOSEPH R, NEW HAVEN, CONNECTICUT. Selection and design of promising anticancer agents.
- NO1CM-33712-03 (***) MONTGOMERY, JOHN A, BIRMINGHAM, ALABAMA. Synthesis of potential anticancer agents.
- NO1CM-33713-01 (***) SALAMON, SYDNEY E, TUCSON, ARIZONA. Development of staging system for multiple myeloma patients.
- NO1CM-33714-01 (***) VERONESI, UMBERTO, MILAN, ITALY. Clinical trials for breast and gastrointestinal cancer and brain tumors.
- NO1CM-33715-03 (***) ZILLEN, MARVIN, ALBANY, NEW YORK. Statistical and administrative (operations office) support.
- NO1CM-33716-01 (***) WHEEL, LAWRENCE L, BURLINGTON, VERMONT. Computerized medical information system (human).
- NO1CM-33717-02 (***) CRAIN, ROBERT D, SILVER SPRING, MARYLAND. Clinical data reduction services.
- NO1CM-33719-01 (***) LEFKOVITZ, DAVID, PHILADELPHIA, PENNSYLVANIA. Chemical information processing system.
- NO1CM-33720-01 (***) GARATTINI, SILVIO, MILAN, ITALY. Collection and screening of antineoplastic agents (mammals).
- NO1CM-33722-03 (***) METZ, F I, KANSAS CITY, MISSOURI. Analysis of chemicals and pharmaceutical formulations.
- NO1CM-33723-03 (***) UJA, PETER, MENLO PARK, CALIFORNIA. Analysis of chemicals and pharmaceutical formulations.
- NO1CM-33724-01 (***) TRIPANIER, D L, MIDLAND, MICHIGAN. Synthesis of derivatives of 3-formylrifamycin-SV.
- NO1CM-33725-02 (***) EGDAHL, RICHARD H, BOSTON, MASSACHUSETTS. Exocrine and endocrine function in carcinoma of the pancreas.
- NO1CM-33726-01 (***) CARTER, WILLIAM A, BUFFALO, NEW YORK. Evaluate antitumor properties of streptovaricin (mice).
- NO1CM-33727-04 (***) KINSLER, CHARLES J, CAMBRIDGE, MASSACHUSETTS. Research and development program in cancer chemotherapy (mice, dogs, monkeys).
- NO1CM-33728-02 (***) COSTLOW, R, BETHESDA, MARYLAND. Chemotherapy, drug distribution and genetic center.
- NO1CM-33732-02 (***) HESS, HELEN, SILVER SPRING, MARYLAND. Administrative and technical support services.
- NO1CM-33733-01 (***) PERLMAN, DAVID, MADISON, WISCONSIN. Bioautographic studies of cytotoxic samples from plants (mammals).
- NO1CM-33734-01 (***) VINCENT, RONALD G, BUFFALO, NEW YORK. Therapy of patients with bronchogenic carcinoma.
- NO1CM-33735-02 (***) CARR, DAVID T, ROCHESTER, MINNESOTA. Therapy of patients with bronchogenic carcinoma.
- NO1CM-33736-01 (***) KLASSEN, KARL P, COLUMBUS, OHIO. Therapy of patients with bronchogenic carcinoma.
- NO1CM-33738-02 (***) SEALY, GORDON R, RONDEBOSCH, CAPE TOWN, SOUTH AFRICA. Therapy of bronchogenic carcinoma (human).
- NO1CM-33739-02 (***) THOMPSON, KENNETH L, ROCKVILLE, MARYLAND. Processing of clinical patient research data.
- NO1CM-33742-02 (***) HENRY, DAVID W, MENLO PARK, CALIFORNIA. Synthesis of potential anti-cancer agents.
- NO1CM-33743-02 (***) CHENG, C C, KANSAS CITY, MISSOURI. Synthesis of unique compounds for cancer chemotherapy studies.
- NO1CM-33744-01 (***) PILAMBER, GEORGE R, ROCKVILLE, MARYLAND. Drug distribution and inventory data system.
- NO1CM-33745-01 (***) HUAMMELSBACH, CLIFTON K, WASHINGTON, DISTRICT OF COLUMBIA. Support services for eastern cooperative oncology group.
- NO1CM-33746-02 (***) MARGOSHES, MARVIN, TARRYTOWN, NEW YORK. Equipment to determine polyamines in biological fluids (human).
- NO1CM-33747-02 (***) SAGAWA, YONBO, HONOLULU, HAWAII. Collection of indigenous and exotic plants.
- NO1CM-33745-01 (***) JARABAK, JOSEPH W, CHICAGO, ILLINOIS. Human dihydrofolate reductase (human, animals).
- NO1CM-33750-01 (***) COLE, JACK R, TUCSON, ARIZONA. Collection, fractionation and purification of plant extracts.
- NO1CM-40044-10 0006 (***) YAGER, ROBERT H, . Survey of data on child abuse.
- NO1CM-43701-00 (***) WICKES, GLENN F, BEDFORD, OHIO. Development and production of antitumor agents.
- NO1CM-43702-00 (***) BOWLES, CHARLES A, LOS ANGELES, CALIFORNIA. Canine bone marrow transplantation and immunotherapy studies.
- NO1CM-43703-00 (***) GREENSPAN, EZRA M, NEW YORK, NEW YORK. Chemotherapy of ovarian carcinoma (human).
- NO1CM-43704-00 (***) BARLOW, G H, NORTH CHICAGO, ILLINOIS. Human granulocyte conditioning factor.
- NO1CM-43705-00 (***) DALGARD, DAN W, VIENNA, VIRGINIA. Intrathecal toxicity of antineoplastic agents (Rhesus monkeys).
- NO1CM-43705-00 (***) WILSON, CHARLES B, SAN FRANCISCO, CALIFORNIA. Cooperative studies in brain tumor chemotherapy.
- NO1CM-43707-00 (***) COON, FRANCIS B, MADISON, WIS. Preparation of plant extracts.
- NO1CM-43710-00 (***) REBA, RICHARD C, WASHINGTON, DISTRICT OF COLUMBIA. Radioisotope labeling of bioisocin.
- NO1CM-43711-00 (***) BAUGHMAN, LAWRENCE C, HOUSTON, TEXAS. Inbred and hybrid rodents.
- NO1CM-43712-00 (***) HICHT, SIDNEY M, CAMBRIDGE, MASSACHUSETTS. Synthesis of bioisocin and structural modifications.
- NO1CM-43714-00 (***) MERRIN, CLAUDE E, ALBANY, NEW YORK. Therapy of patients with testicular carcinoma.
- NO1CM-43715-00 (***) HAHN, RICHARD G, ROCHESTER, MINNESOTA. Therapy of patients with testicular carcinoma.
- NO1CM-43716-00 (***) GOLDBEY, ROBERT B, NEW YORK, NEW YORK. Therapy of patients with testicular carcinoma.
- NO1CM-43718-00 (***) HUMPHREY, RICHARD L, BALTIMORE, MARYLAND. Development of an in vivo method for the precise enumeration of tumor cells.
- NO1CM-43719-00 (***) TING, ROBERT C, WASHINGTON, DISTRICT OF COLUMBIA. Supportive services in virology, immunology and tissue culture.
- NO1CM-43720-00 (***) LEYMAN, EDWARD, WASHINGTON, DISTRICT OF COLUMBIA. Cancer therapy abstracts.
- NO1CM-43722-00 (***) SEALS, JAMES V, COLUMBUS, OHIO. Drug research and development chemical information system.
- NO1CM-43726-00 (***) VERONESI, UMBERTO, MILAN, ITALY. Coordinating center for the clinical study of melanoma.
- NO1CM-43727-00 (***) COOPER, EDWARD H, LEEDS, ENGLAND. Trials in gastrointestinal cancer (human).
- NO1CM-43720-00 (***) LESHER, S, PITTSBURGH, PENNSYLVANIA. Cancer chemotherapeutic drugs and in-vivo cell population.
- NO1CM-43731-00 (***) VNETTI, TERESA, ST LOUIS, MISSOURI. Interaction of anticancer agents at the cellular level.
- NO1CM-43732-00 (***) KATZ, EDWARD, WASHINGTON, DISTRICT OF COLUMBIA. Preparation and purification of actinomycin analogs via directed biosynthesis.
- NO1CM-43736-00 (***) CONNORS, THOMAS A, LONDON, ENGLAND. Model system development and agent collection (mice).
- NO1CM-43743-00 (***) WURSTER, DALE, IOWA CITY, IOWA. Development and production of parenteral dosage forms for clinical investigations.
- NO1CM-43743-00 (***) FOLK, ROGER M, COLUMBUS, OHIO. Protocol toxicology prime contractor.
- NO1CM-43748-00 (***) WENTZ, DENNIS K, BALTIMORE, MARYLAND. Programs involving combination drug and combined modalities treatment of cancer.
- NO1CM-43753-01 (***) NEH, GARY L, KALAMAZOO, MICHIGAN. Drug research, development, evaluation and screening.
- NO1CM-43754-00 (***) DION, H W, DETROIT, MICHIGAN. New antineoplastic drug acquisition, evaluation, development and screening.
- NO1CM-43755-00 (***) SHEPNER, ALAN, CHICAGO, ILLINOIS. Services in support of primary drug screening program.
- NO1CM-43756-00 (***) SCHABEL, FRANK M, JR, BIRMINGHAM, ALABAMA. Analysis, testing and evaluation of anti-cancer agents (mammals, non-human).
- NO1CM-43759-00 (***) CLARIDGE, C A, SYRACUSE, NEW YORK. Antineoplastic compounds using transformations and co-oxidations.
- NO1CM-43760-00 (***) BRIDY, B A, NEWARK, NEW JERSEY. Maintenance of virus diagnostic laboratory (mice, rats, hamsters).
- NO1CM-43761-00 (***) BEISLER, JOHN, BETHESDA, MARYLAND. Synthesis of unique compounds for cancer chemotherapy.
- NO1CM-43762-00 (***) MONTGOMERY, JOHN A, BIRMINGHAM, ALABAMA. Synthesis of potential anticancer agents.
- NO1CM-43764-00 (***) VOGEL, CHARLES L, ATLANTA, GEORGIA. Phase II chemotherapy studies (human).
- NO1CM-43778-00 (***) GOODMAN, LEON, KINGSTON, RHODE ISLAND. Synthesis of nitrogen heterocycle compounds as potential antitumor agents.
- NO1CM-43779-00 (***) HASSNER, ALFRED, BOULDER, COLORADO. Synthesis of nitrogen heterocycle compounds as potential antitumor agents.
- NO1CM-43780-00 (***) MELLETT, BRUCE L, BIRMINGHAM, ALABAMA. Pharmacological studies of antitumor agents (animals).
- NO1CM-43781-00 (***) FRIE, EARL, BOSTON, MASSACHUSETTS. Therapy of patients with gastric carcinoma.
- NO1CM-43782-00 (***) HOLYOKE, E DOUGLAS, ALBANY, NEW YORK. Therapy of patients with gastric carcinoma.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- N01CM-43783-00 (***) MOERTEL, CHARLES G, ROCHESTER, MINNESOTA. Therapy of patients with gastric carcinoma.
- N01CM-43784-00 (***) BENNETT, LEE I, BIRMINGHAM, ALABAMA. Biochemistry and molecular biology of antitumor drugs (tissue culture, mammals).
- N01CM-43785-00 (***) BRINDEY, GERALD B, BUFFALO, NEW YORK. Characterization of antitumor drugs—Profile of drug interactions.
- N01CM-43736-00 (***) HURLBERT, ROBERT B, HOUSTON, TEXAS. Characterization of antitumor drugs: effects on polyucleotide metabolism.
- N01CM-43787-00 (***) GROLLMAN, ARTHUR P, BRONX, NEW YORK. Antitumor drugs and effects on protein synthesis (mammals).
- N01CM-43788-00 (***) FLAGBAMANN, PETER G, MINNEAPOLIS, MINNESOTA. Antitumor drugs—Drug uptake and membrane transport processes.
- N01CM-43790-00 (***) MANGUM, JOHN H, PROVO, UTAH. Antitumor drugs—Effects on folate metabolism.
- N01CM-43791-00 (***) BYFIELD, JOHN E, LOS ANGELES, CALIFORNIA. Combined use of radiotherapy and clinically established antitumor drugs.
- N01CM-43790-00 (***) BERMAN, J, BETHESDA, MARYLAND. Storage and distribution of chemicals and drugs used in cancer chemotherapy.
- N01CM-43794-00 (***) HOLYOKE, DOUGLAS, ALBANY, NEW YORK. Therapy of patients with pancreatic carcinoma.
- N01CM-43795-00 (***) HALL, THOMAS C, LOS ANGELES, CALIFORNIA. Therapy of patients with pancreatic carcinoma.
- N01CM-43796-00 (***) MOERTEL, CHARLES G, ROCHESTER, MINNESOTA. Therapy of patients with pancreatic carcinoma.
- N01CM-43797-00 (***) SPIRO, HOWARD M, NEW HAVEN, CONNECTICUT. Therapy of patients with pancreatic carcinoma.
- N01CM-43798-00 (***) SPARKS, FRANK C, LOS ANGELES, CALIFORNIA. Therapy of patients with pancreatic carcinoma (human).
- N01CM-43799-00 (***) FRIB, EARL, BOSTON, MASSACHUSETTS. Therapy of patients with pancreatic carcinoma.
- N01CM-43800-00 (***) KALSER, MARTIN H, MIAMI, FLORIDA. Therapy of patients with pancreatic carcinoma (human).
- N01CM-43801-00 (***) GOTTLIEB, JEFFREY A, HOUSTON, TEXAS. Phase I studies of new anticancer agents (human).
- N01CM-43802-00 (***) HOOGSTRATEN, BARTH, KANSAS CITY, KANSAS. Phase I studies of new anticancer agents (human).
- N01CM-43803-00 (***) KARON, MYRON R, LOS ANGELES, CALIFORNIA. Studies of new anticancer agents.
- N01CM-43800-00 (***) KRACKOFF, IRWIN H, NEW YORK, NEW YORK. Phase I studies of new anticancer agents (human).
- N01CM-43806-00 (***) TOWNSEND, LEROY B, SALT LAKE CITY, UTAH. Synthesis of nucleosides and related derivatives for cancer chemotherapy.
- N01CM-50454-21 (***) MELLETT, LAWRENCE B, BIRMINGHAM, ALABAMA. Distribution of antileukemic drugs.
- N01CM-51021-19 (***) BROWN, CARTER N, COLUMBUS, OHIO. Registry of NCI cancer chemotherapy.
- N01CM-60029-20 (***) BENNETT, I L, JR, BIRMINGHAM, ALABAMA. Biochemical problems related to cancer chemotherapy.
- N01CM-60494-17 (***) KLINE, BERNARD E, MADISON, WISCONSIN. Screening of synthetic materials.
- N01CM-60506-15 (***) FRIEDMAN, ORRIS M, WALTHAM, MASSACHUSETTS. Synthetic and biochemical approaches to cancer chemotherapy.
- N01CM-61156-13 (***) LOO, TI LI, HOUSTON, TEXAS. Studies of antitumor agents.
- N01CM-70747-10 (***) COON, FRANCIS B, MADISON, WISCONSIN. Preparation of plant extracts.
- N01CM-71173-12 (***) BLACKER, H M, LEXINGTON, KENTUCKY. Studies in brain tumor chemotherapy (human).
- N01CM-71174-12 (***) RANSOHOFF, JOSEPH, NEW YORK, NEW YORK. Chemotherapy of patients with brain tumors.
- N01CM-71175-09 (***) HUNT, WILLIAM E, COLUMBUS, OHIO. Experimental chemotherapy on brain tumor (human, rats).
- N01CM-71343-12 (***) KYALWAZI, SEBASTIAN K, KAMPALA, UGANDA, EAST AFRICA. Development of a lymphoma treatment center.
- N01CM-80088-13 (***) BENSON, WILLIAM K, HOUSTON, TEXAS. Trust colony of various strains of rodents.
- N01CM-80950-10 (***) ALEXANDER, EBEN, JR, WINSTON-SALEM, NORTH CAROLINA. Brain tumor chemotherapy (human).
- N01CM-81021-10 (***) SHEPHER, ALAN, CHICAGO, ILLINOIS. Screening chemical agents against animal tumors (mice).
- N01CM-81380-08 (***) JAGOW, R H, SACRAMENTO, CALIFORNIA. Experimental cancer chemotherapeutic agents preparation laboratory.
- N01CM-90035-14 (***) BRADNER, WILLIAM T, SYRACUSE, NEW YORK. Development of antitumor agents.
- N01CM-92004-10 (***) BURCKHALTER, JOSEPH H, ANN ARBOR, MICHIGAN. Synthesis of new nitrogen heterocyclic compounds.
- N01CM-92019-09 (***) WALL, MONROE E, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Tumor inhibitory substances in plants.
- N01CM-92251-08 (***) PETERS, ARTHUR C, COLUMBUS, OHIO. Operation of trust stock colony of mice.
- N01CM-23294-13 (***) STEVENSON, ROBERT E, BETHESDA, MARYLAND. Cancer research center.
- N01CM-35003-04 (***) GALLAGHER, H STEPHEN, CHICAGO, ILLINOIS. Twelfth Annual Conference on Breast Cancer.
- N01CM-35004-02 (***) STRAX, PHILIP, NEW YORK, NEW YORK. Demonstration project on earlier detection of breast cancer.
- N01CM-35009-03 (***) WASSERMAN, LOUIS R, NEW YORK, NEW YORK. Clinical chemotherapy in cancer control (human).
- N01CM-35012-04 (***) MOORE, CONDUCT, LOUISVILLE, KENTUCKY. Demonstration project on earlier detection of breast cancer (human).
- N01CM-35013-03 (***) KARON, MYRON R, LOS ANGELES, CALIFORNIA. Clinical chemotherapy in cancer control (human).
- N01CM-35014-03 (***) DURANT, JOHN R, UNIVERSITY STATION, ALABAMA. Prototype clinical chemotherapy program in cancer.
- N01CM-35015-03 (***) LAMPKIN, BEATRICE C, CINCINNATI, OHIO. Prototype clinical chemotherapy program in cancer control.
- N01CM-35016-02 (***) POWELL, R WALDO, ATLANTA, GEORGIA. Breast cancer detection demonstration project.
- N01CM-35017-02 (***) MC INTYRE, O ROSS, HANOVER, NEW HAMPSHIRE. Prototype clinical chemotherapy program in cancer control.
- N01CM-35018-02 (***) YOUKER, JAMES E, MILWAUKEE, WISCONSIN. Breast cancer detection demonstration project.
- N01CM-35019-02 (***) HOLTOM, CHARLENE P, DENVER, COLORADO. Prototype clinical chemotherapy program in cancer control.
- N01CM-35020-03 (***) HABERMAN, JOANN D, OKLAHOMA CITY, OKLAHOMA. Breast cancer detection demonstration project.
- N01CM-35023-03 (***) LESTER, RICHARD G, CHICAGO, ILLINOIS. Programs to achieve early detection of breast cancer.
- N01CM-35023-04 (***) SHIMOVIC, KYLE H, ROCKVILLE, MARYLAND. Training courses for NCI/NIH laboratory personnel.
- N01CM-35024-01 (***) MOSKOWITZ, MYRON, CINCINNATI, OHIO. Breast cancer detection demonstration project.
- N01CM-35025-02 (***) SILVER, RICHARD T, NEW YORK, NEW YORK. Clinical chemotherapy in cancer control (human).
- N01CM-35026-02 (***) HUMPHREY, LOREN J, KANSAS CITY, KANSAS. Breast cancer detection demonstration.
- N01CM-35027-02 (***) WALLACE, JOHN D, PHILADELPHIA, PENNSYLVANIA. Evaluation of thermography in mass screening for breast cancer (human).
- N01CM-35023-04 (***) CARLILE, THOMAS, SEATTLE, WASHINGTON. Breast cancer detection demonstration project (human).
- N01CM-35029-01 (***) POMPA, ALFRED M, BOISE, IDAHO. Breast cancer detection demonstration project.
- N01CM-35030-01 (***) MAYER, ANDREW, CHICAGO, ILLINOIS. National cancer consultative programs for hospitals.
- N01CM-35031-06 (***) MESSER, DONALD H, SILVER SPRING, MARYLAND. National survey of cancer control.
- N01CM-35032-01 (***) BRANSCOMB, BEN V, UNIVERSITY STATION, ALABAMA. Demonstration of a cancer rehabilitation facility (human).
- N01CM-35033-01 (***) HICKEY, ROBERT C, HOUSTON, TEXAS. Telephone cancer information service.
- N01CM-40044-04 0059 (***) DUNHAM, CHARLES L. Survey of data on child abuse.
- N01CM-45007-01 (***) MELAMED, MYRON R, NEW YORK, NEW YORK. Effect of early detection and treatment on survival from lung cancer.
- N01CM-45034-02 (***) BARBER, HUGH, JAMAICA, NEW YORK. Integrated cancer rehabilitation services.
- N01CM-45037-00 (***) FROST, JOHN K, BALTIMORE, MARYLAND. Lung cancer control—Detection and therapy.
- N01CM-45038-00 (***) HEALEY, JOHN E, JR, HOUSTON, TEXAS. Training of professional teams in cancer rehabilitation.
- N01CM-45029-00 (***) LEHMANN, JUSTUS F, SEATTLE, WASHINGTON. Demonstration of a cancer rehabilitation facility.
- N01CM-45041-00 (***) PAISLEY, WILLIAM J, STANFORD, CALIFORNIA. Review and evaluation of methods of public education in cancer.
- N01CM-45042-00 (***) HIRSCHY, ROGER E, MCLEAN, VIRGINIA. Technical services in support of the National Cancer Program Bulletin.
- N01CM-45043-00 (***) JOHNSON, DALLAS, BETHESDA, MARYLAND. Updating a manual of cytotechnology.
- N01CM-45044-00 (***) KENT, BARBARA E, STANFORD, CALIFORNIA. Cancer training programs for physical/occupational therapists.
- N01CM-45045-00 (***) KALISH, RUTH A, ATLANTA, GEORGIA. Cancer training programs for physical/occupational therapists.
- N01CM-45046-00 (***) GILBERT, FRED I, JR, HONOLULU, HAWAII. Breast cancer detection demonstration project (human).
- N01CM-45047-00 (***) WHITNEY, LESLIE W, WILMINGTON, DELAWARE. Breast cancer detection demonstration project (human).
- N01CM-45048-00 (***) LEPLY, JAMES B, NEW YORK, NEW YORK. Training program for maxillofacial prosthodontists and laboratory technicians.
- N01CM-45049-00 (***) WHITEHOUSE, WALTER M, ANN ARBOR, MICHIGAN. Demonstration project on the earlier detection of breast cancer.
- N01CM-45050-00 (***) NELSON, ARTHUR J, NEW YORK, NEW YORK. Cancer training programs for physical and/or occupational therapists.
- N01CM-45051-00 (***) HEALEY, JOHN E, JR, HOUSTON, TEXAS. Cancer training programs for physical and occupational therapists.
- N01CM-45032-00 (***) ROBBINS, GUY F, NEW YORK, NEW YORK. Demonstration of cancer rehabilitation facilities and/or departments.
- N01CM-45054-00 (***) MARCHANT, DOUGLAS, BOSTON, MASSACHUSETTS. Prototype network demonstration project in breast cancer.
- N01CM-45055-00 (***) ENGSTROM, PAUL F, PHILADELPHIA, PENNSYLVANIA. Prototype network demonstration project in breast cancer.
- N01CM-45057-00 (***) LAUGHLIN, JOHN S, NEW YORK, NEW YORK. Cancer control radiologic physics centers.
- N01CM-45058-00 (***) ISARD, HAROLD J, PHILADELPHIA, PENNSYLVANIA. Breast cancer detection demonstration project.
- N01CM-45039-00 (***) CHRISTOPHERSON, WILLIAM M, LOUISVILLE, KENTUCKY. A critical evaluation of mass screening for uterine cancer (human).
- N01CM-45062-00 (***) ABERNATHY, MARGARET R, WASHINGTON, DISTRICT OF COLUMBIA. Early detection of breast cancer (human).
- N01CM-45054-00 (***) LESTER, RICHARD G, DURHAM, NORTH CAROLINA. Breast cancer detection demonstration project (human).
- N01CM-45065-00 (***) FISHER, BERNARD, PITTSBURGH, PENNSYLVANIA. Demonstration project on the earlier detection of breast cancer.
- N01CM-45066-00 (***) HURST, GEORGE A, TYLER, TEXAS. Tylar asbestos workers study.
- N01CM-45067-00 (***) YOUNG, DONALD C, DES MOINES, IOWA. Breast cancer detection demonstration project.
- N01CM-45068-00 (***) SCHWEITZER, ROBERT J, OAKLAND, CALIFORNIA. Breast cancer detection demonstration project (human).
- N01CM-45071-00 (***) JORDON, SCOTT W, ALBUQUERQUE, NEW MEXICO. Cytology demonstration project for a Southwestern American Indian population.
- N01CM-45073-00 (***) MIRAND, EDWIN A, BUFFALO, NEW YORK. Evaluation of the telephone cancer public information system—CAN DIAL.
- N01CM-45074-00 (***) CHRISTINE, BARBARA, HARTFORD, CONNECTICUT. Expansion Connecticut's cervical cancer screening program.
- N01CM-45076-00 (***) ISBISTER, JOHN L, LANSING, MICHIGAN. Cervical cancer screening program (human).
- N01CM-45077-00 (***) SMITH, JAMES W, OKLAHOMA CITY, OKLAHOMA. Expansion of Oklahoma's cervical cancer screening program.
- N01CM-45078-00 (***) YERWOOD, C R, AUSTIN, TEXAS. Cervical cancer screening program (human).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
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- NO1CN-45079-00 (** MACKENZIE, AILEEN L, COLUMBUS, OHIO. Ohio Department of Health cervical cancer screening program.
- NO1CN-45080-00 (** BRICKMAN, ISADORE D, NEW ORLEANS, LOUISIANA. Louisiana state cervical cancer screening program.
- NO1CN-45081-00 (** GRANT, ROBERT S, LINCOLN, NEBRASKA. Nebraska state cervical cancer screening program.
- NO1CN-45083-00 (** HERNANDEZ, C, FRANKFORT, KENTUCKY. Expansion of Kentucky cervical cancer screening program.
- NO1CN-45084-00 (** TO BE NAMED, COLUMBIA, SOUTH CAROLINA. Expansion of South Carolina's cervical cancer screening program.
- NO1CN-45085-00 (** TRAHUE, M D, NASHVILLE, TENNESSEE. Establishing a Tennessee cervical cancer screening program.
- NO1CN-45086-00 (** NOT APPLICABLE, JACKSON, MISSISSIPPI. Expansion Mississippi's cervical cancer screening program.
- NO1CN-45088-00 (** GOODMAN, MORTON J, PORTLAND, OREGON. Breast cancer detection demonstration project (human).
- NO1CN-45091-00 (** GREENWALD, PETER, ALBANY, NEW YORK. Expansion of New York's cervical cancer screening program.
- NO1CN-45092-01 (** KAUFMAN, RAYMOND H, HOUSTON, TEXAS. Genital tract anomalies and cancer in offspring exposed in utero to estrogens.
- NO1CN-45093-00 (** TO BE ASSIGNED, WASHINGTON, DISTRICT OF COLUMBIA. Curricular guidelines for cancer education in dental school.
- NO1CN-45095-00 (** RODES, NED D, COLUMBIA, MISSOURI. Breast cancer detection demonstration project (human).
- NO1CN-45096-00 (** CONSTANTINE, HERBERT P, PROVIDENCE, RHODE ISLAND. Breast cancer detection demonstration project (human).
- NO1CN-45098-00 (** GUISS, LEWIS W, LOS ANGELES, CALIFORNIA. Early detection of breast cancer (human).
- NO1CN-45101-00 (** SCHAAF, NORMAN G, BUFFALO, NEW YORK. Training programs for maxillofacial prosthodontists and dental technicians.
- NO1CN-45102-00 (** MC GARITY, WILLIAM C, ATLANTA, GEORGIA. Enterostomal therapy education program.
- NO1CN-45103-00 (** PARISH, HEKMAN S, CHEYENNE, WYOMING. Cervical cancer screening program (human).
- NO1CN-45104-00 (** LEAHY, ROBERT H, OLYMPIA, WASHINGTON. Planning for a cervical cancer screening program.
- NO1CN-45105-00 (** FINKELSTEIN, SIDNEY, MINNEAPOLIS, MINNESOTA. Planning for a cervical cancer screening program.
- NO1CN-45106-00 (** PASAL, ELPRIEDE, SACRAMENTO, CALIFORNIA. Planning for a cervical cancer screening center.
- NO1CN-45107-00 (** LEADLEY, PETER J, AUGUSTA, MAINE. Planning for a cervical cancer screening program.
- NO1CN-45108-00 (** SPRATT, JOHN S, COLUMBIA, MISSOURI. Planning for a cervical cancer screening program.
- NO1CN-45109-00 (** DANDOW, SUZANNE, PHOENIX, ARIZONA. Planning for a cervical cancer screening center.
- NO1CN-45110-00 (** TO BE NAMED, CARSON CITY, NEVADA. Planning for a cervical cancer screening program.
- NO1CN-45111-00 (** HILKEMEYER, RENILDA, HOUSTON, TEXAS. Enterostomal therapy education program.
- NO1CN-45112-00 (** CONWAY, MARY E, BOSTON, MASSACHUSETTS. Enterostomal therapy education program.
- NO1CN-45113-00 (** ADISMAN, I KENNETH, NEW YORK, NEW YORK. Training programs for maxillofacial prosthodontists and dental technicians.
- NO1CN-45114-00 (** DRANE, JOE B, HOUSTON, TEXAS. Training programs for maxillofacial prosthodontists and maxillofacial technicians.
- NO1CN-45115-00 (** KOLTHOFF, NORMA J, MADISON, WISCONSIN. Oncology nursing program in cancer centers.
- NO1CN-45116-00 (** JOHNSON, FORD, BALA CYNWYD, PENNSYLVANIA. Identification of education material resources for cancer control.
- NO1CN-45117-00 (** SEIFERT, GERALD, ROCKVILLE, MARYLAND. A survey of cancer control law.
- NO1CN-45118-00 (** LAU, THOMAS K, HONOLULU, HAWAII. Integrated cancer rehabilitation services (human).
- NO1CN-45119-00 (** REILLY, C J, SCHENECTADY, NEW YORK. Integrated cancer rehabilitation services (human).
- NO1CN-45120-00 (** BEAHRS, OLIVER H, ROCHESTER, MINNESOTA. Demonstration of cancer rehabilitation facilities and/or departments (human).
- NO1CN-45121-00 (** GOSSMAN, MARILYN, BIRMINGHAM, ALABAMA. Cancer training programs for physical or occupational therapists.
- NO1CN-45122-00 (** TOWNSEND, DUANE E, LOS ANGELES, CALIFORNIA. Incidence and natural history of genital tract anomalies and cancer.
- NO1CN-45123-00 (** BROWN, MARY, NEW YORK, NEW YORK. Oncology nursing programs in cancer centers.
- NO1CN-45124-03 (** DECKER, DAVID G, ROCHESTER, MINNESOTA. Genital tract anomalies and cancer in fetus to synthetic estrogens (human).
- NO1CN-45125-00 (** SMIDT, GARY L, IOWA CITY, IOWA. Cancer training programs for physical or occupational therapists.
- NO1CN-45126-01 (** SUTNICK, A I, FOX CHASE, PENNSYLVANIA. Demonstration of cancer rehabilitation facilities and/or departments (human).
- NO1CN-45127-01 (** HILKEMEYER, RENILDA, HOUSTON, TEXAS. Oncology nursing programs in cancer centers.
- NO1CN-45128-01 (** PRITZ, EDNA L, COLUMBUS, OHIO. Oncology nursing programs in cancer centers.
- NO1CN-45129-00 (** MADDOX, WILLIAM A, BIRMINGHAM, ALABAMA. Prototype network demonstration project in breast cancer.
- NO1CN-45130-00 (** BRANDENBURG, JAMES H, MADISON, WISCONSIN. Demonstration project for head and neck cancer (human).
- NO1CN-45132-00 (** SISSON, GEORGE A, EVANSTON, ILLINOIS. Demonstration project for head and neck cancer.
- NO1CN-45133-01 (** HELM, PHALA A, DALLAS, TEXAS. Demonstration of cancer rehabilitation facilities and/or department (human).
- NO1CN-45134-00 (** GONNELLA, CARMELLA, ATLANTA, GEORGIA. Effectiveness of cancer rehabilitation systems.
- NO1CN-45135-00 (** WRIGHT, CHARLOTTE C, WATERBURY, CONNECTICUT. Oncology nursing programs in community hospitals.
- NO1CN-45136-00 (** SCHUMACHER, SANFORD P, VALENCIA, PENNSYLVANIA. Effectiveness of cancer rehabilitation systems.
- NO1CN-45137-00 (** HUMPHREY, BENNETT G, OKLAHOMA CITY, OKLAHOMA. Prototype network demonstration project in breast cancer.
- NO1CN-45138-00 (** DIERS, DONNA, NEW HAVEN, CONNECTICUT. Oncology nursing programs in medical centers.
- NO1CN-45139-00 (** CARTER, ANNE C, ALBANY, NEW YORK. Prototype network demonstration project in breast cancer.
- NO1CN-45140-00 (** SPONZO, ROBERT W, ALBANY, NEW YORK. Demonstration project in breast cancer.
- NO1CN-45141-00 (** WALTON, MINNIE H, SALT LAKE CITY, UTAH. Oncology nursing programs in medical centers.
- NO1CN-45143-00 (** VAETH, JEROME M, SAN FRANCISCO, CALIFORNIA. Prototype network demonstration in breast cancer.
- NO1CN-45144-00 (** MELLETTTE, SUSAN J, RICHMOND, VIRGINIA. Rehabilitation and continuing care.
- NO1CN-45145-00 (** FOSTER, ROGER S, BURLINGTON, VERMONT. Prototype network demonstration project in breast cancer.
- NO1CN-45146-00 (** MAURER, LLOYD H, HAMOVER, NEW HAMPSHIRE. Prototype network demonstration project in breast cancer.
- NO1CN-45140-00 (** SHRIVASTAVA, P N, PITTSBURGH, PENNSYLVANIA. Cancer control radiologic physics center.
- NO1CN-45149-00 (** MOORE, CONDUCT, LOUISVILLE, KENTUCKY. Network demonstration project in breast cancer.
- NO1CN-45150-00 (** SHALEK, ROBERT S, HOUSTON, TEXAS. Cancer control radiologic physics centers.
- NO1CN-45151-00 (** WHITNEY, LESLIE W, WILMINGTON, DELAWARE. Prototype network demonstration project in breast cancer.
- NO1CN-45152-00 (** CAMERON, JOHN R, MADISON, WISCONSIN. Cancer control physics center.
- NO1CN-45153-01 (** TO BE RECRUITED, HONOLULU, HAWAII. Oncology nursing programs in community hospitals.
- NO1CN-45154-00 (** LORE, J M, ALBANY, NEW YORK. Comprehensive network demonstration project for head and neck cancer.
- NO1CN-45155-00 (** SHEED, DONALD P, BUFFALO, NEW YORK. Demonstration project for head and neck cancer (human).
- NO1CN-45157-00 (** HERBST, ARTHUR L, BOSTON, MASSACHUSETTS. Genital tract anomalies in humans exposed in utero to synthetic estrogens.
- NO1CN-45158-00 (** WOOTON, PETER B, SEATTLE, WASHINGTON. Cancer control radiologic physics centers.
- NO1CN-45159-00 (** HENDRICKSON, FRANK R, CHICAGO, ILLINOIS. Demonstration project for head and neck cancer.
- NO1CN-45160-00 (** HENDREE, WILLIAM R, DENVER, COLORADO. Cancer control radiologic physics centers.
- NO1CN-45161-00 (** SCHEINOK, PERRY A, PHILADELPHIA, PENNSYLVANIA. Data management center for the breast cancer demonstration projects.
- NO1CN-45162-00 (** MEURK, MARY L, NEW YORK, NEW YORK. Coordinating committee for cancer control radiologic physics center.
- NO1CO-25423-14 (** STEVENSON, ROBERT E, BETHESDA, MARYLAND. Operation and maintenance of the Frederick Cancer Research Center.
- NO1CO-35407-08 (** SHARP, EDWARD G, MC LEAN, VIRGINIA. National cancer program management systems requirements.
- NO1CO-45056-00 (** TALBOT, TIMOTHY R, COLUMBIA, MISSOURI. Development of administrative and fiscal profiles for cancer institutes.
- NO1CO-45404-00 (** WEBSTER, CAROL, BALA CYNWYD, PENNSYLVANIA. Publication of cancer committee books.
- NO1CO-45404-00 (** FRANKEL, MICHAEL L, MC LEAN, VIRGINIA. National cancer program-management information system.
- NO1CO-45414-00 (** DELAFRESNAYE, J F, GENEVA, SWITZERLAND. Liaison services in support of NCI international programs.
- NO1CO-45417-00 (** MORFIT, H MASON, DENVER, COLORADO. Preliminary planning for a cancer access information system for the Denver region.
- NO1CO-45419-00 (** BARRETT, JEANNE, ROCKVILLE, MARYLAND. Technical writing services in support of cancer related public inquiries.
- NO1CO-45422-00 (** GARIN, A M, GENEVA, SWITZERLAND. International conference for anti-tumor drugs.
- NO1CO-45425-01 (** STAHLMAN, WILLIAM K, MCLEAN, VIRGINIA. Resources analysis and planning for NCP.
- NO1CP-02024-11 (** RAPP, FRID, UNIVERSITY PARK, PENNSYLVANIA. Study oncogenic potential of defective viruses (human, mice, hamsters).
- NO1CP-02068-09 (** HOUSEWRIGHT, RILEY D, BETHESDA, MARYLAND. Viruses and chemicals in the etiology of cancer (rodents, dogs, cats, human).
- NO1CP-02076-14 (** TULINIUS, HRAFN, LYON, FRANCE. Sero-epidemiological studies on nasopharyngeal carcinoma (human).
- NO1CP-02199-08 (** MADISON, R, BETHESDA, MARYLAND. Services in support of carcinogenesis bioassays (rodents).
- NO1CP-02210-08 (** BURCHFIELD, H P, BATON ROUGE, LOUISIANA. Carcinogenesis bioassay of pesticides (mice, rats).
- NO1CP-02217-04 (** SACHS, LEO, REHOVOTH, ISRAEL. Aspects of enzyme induction relative to lung cancer (human, hamsters, mice).
- NO1CP-12020-05 (** VAN DUUREN, BENJAMIN L, NEW YORK, NEW YORK. Study of alkylating agents as carcinogens (rats, mice).
- NO1CP-12050-05 (** ZELMAN, CARL W, ROCKVILLE, MARYLAND. OCR processing of Third National Cancer Survey.
- NO1CP-12059-11 (** HILLEMAN, MAURICE M, RAHWAY, NEW JERSEY. Research on oncogenic viruses, virus production and vaccine development.
- NO1CP-12148-03 (** MOHR, ULRICH, RODERBRUCHSTR 101, WEST GERMANY. Develop lung tumor model with large wild hamsters.
- NO1CP-12164-08 (** CASTO, BEUCE C, PRAIRIE VIEW, ILLINOIS. Interaction between chemical and viral carcinogens (hamsters).
- NO1CP-12166-07 (** COLE, LEONARD J, MENLO PARK, CALIFORNIA. Study chemical carcinogens and other chemicals (rats).
- NO1CP-12310-06 (** WYNDER, ERNEST L, NEW YORK, NEW YORK. Colon carcinogenesis (rodents).
- NO1CP-12324-04 (** STRONG, JACK P, NEW ORLEANS, LOUISIANA. Premalignant lesions in the large intestine.
- NO1CP-22006-06 (** VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman).
- NO1CP-22020-04 (** VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Cell biology facilities and tumor immunology (human, mammals nonhuman).
- NO1CP-22022-05 (** HEIDELBERGER, CHARLES, MADISON, WISCONSIN. Induce neoplasia in vivo and in vitro (mice, rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

N01CP-22046-02 (** REISFELD, RALPH A, LA JOLLA, CALIFORNIA. Isolation and chemical characterization of specific antigens (human, goats).
 N01CP-22047-02 (** YOHN, DAVID S, COLUMBUS, OHIO. Interaction between chemical and viral carcinogens (human, hamsters).
 N01CP-22063-03 (** KINGSBURY, ELIZABETH W, BETHESDA, MARYLAND. Preparation and examination of experimental biological material (rats).
 N01CP-22064-02 (** WILKOFF, LEE, BIRMINGHAM, ALABAMA. Organ culture assay of vitamin A analogs (mice, chickens).
 N01CP-22068-04 (** GOODHEART, CLYDE R, PRAIRIE VIEW, ILLINOIS. Develop methods of producing purified oncogenic herpes viruses (rabbit, hamster).
 N01CP-23205-02 (** DRAY, SHELDON, CHICAGO, ILLINOIS. Research on the transfer of tumor immunity (monkeys, guinea pigs).
 N01CP-23206-02 (** TRUMP, BENJAMIN F, COLLEGE PARK, MARYLAND. Histogenesis of renal carcinoma (human, mammals).
 N01CP-23213-03 (** SEGI, MITSUO, CHIKUSA-KU, NAGOYA, JAPAN. Shifts in cancer risks among Japanese migrants.
 N01CP-23221-02 (** MACKANESS, GEORGE B, SARANAC LAKE, NEW YORK. Mycobacteria as inhibitors of tumor cell growth (mammals).
 N01CP-23233-03 (** SACCOMANNO, GENO, GRAND JUNCTION, COLO. Morphogenesis of lung cancer (human, hamsters).
 N01CP-23234-02 (** WEINSTEIN, BERNARD, NEW YORK, NEW YORK. Development of a tissue culture transformation system (rats).
 N01CP-23237-02 (** KEYDAR, JAJA, TEL-AVIV, ISRAEL. B-type particles from human milk in Israel.
 N01CP-23238-03 (** MASON, MARCUS M, WORCESTER, MASSACHUSETTS. Effects of uptake and excretion of carcinogens on the prostate (rats, dogs).
 N01CP-23243-03 (** VAN VUNAKIS, HELEN, WALTHAM, MASSACHUSETTS. Production and detection of antibodies to carcinogens (human, rabbits).
 N01CP-23245-02 (** HALPERN, B DAVID, WARRINGTON, PENNSYLVANIA. Optimizing electrophoretic separation of proteins with new hydrogels (human).
 N01CP-23249-06 (** LEMP, JOHN F, JR, BETHESDA, MARYLAND. Production of oncogenic or potentially oncogenic viruses.
 N01CP-23252-04 (** ULLAND, BORGE M, ROCKVILLE, MARYLAND. Carcinogenic bioassay of environmental chemicals (mice, rats).
 N01CP-23253-01 (** DUNNING, WILHELMINA F, MIAMI, FLORIDA. Carcinogenesis bioassay of environmental chemicals (rats).
 N01CP-23255-03 (** MASON, MARCUS M, WORCESTER, MASSACHUSETTS. Carcinogenic bioassay of environmental chemicals (rats, mice).
 N01CP-23266-03 (** MC CLURE, PETER D, TORONTO, CANADA. Collection of blood specimens and solid-tumor materials (human).
 N01CP-23268-01 (** ROTH, JAY S, STORRS, CONNECTICUT. New methods for isolating non-histone proteins (rats).
 N01CP-23278-04 (** HUBBARD, H M, KANSAS CITY, MISSOURI. Analytical chemistry resource.
 N01CP-23278-04 (** WEATHERHOLTZ, WILLARD M, VIENNA, VIRGINIA. Bioassay of environmental chemicals.
 N01CP-23284-03 (** EPSTEIN, SAMUEL S, CLEVELAND, OHIO. Enhanced induction of guinea pig pancreatic adenocarcinoma.
 N01CP-23286-02 (** D'ANGIO, GIULIO J, NEW YORK, NEW YORK. Study of late effects of cancer therapy.
 N01CP-23287-02 (** KERBER, WILLIAM T, VIENNA, VIRGINIA. Induction of adenocarcinoma of the prostate.
 N01CP-23292-02 (** PORT, CURTIS D, CHICAGO, ILLINOIS. Modulating factors in respiratory carcinogenesis (animals).
 N01CP-23293-03 (** ASH, ARTHUR B, DETROIT, MICHIGAN. Synthesis of purine and pyrimidine nucleotides.
 N01CP-23297-03 (** ELKORT, RICHARD J, BOSTON, MASSACHUSETTS. Carcinogenesis of the pancreas (dogs, rabbits).
 N01CP-23299-01 (** RICKMAN, WILLIAM M, JR, ROCKVILLE, MARYLAND. Provide animal holding facilities and services.
 N01CP-23302-06 (** TIDWELL, DALTON, RIVERDALE, MARYLAND. Carcinogenesis bioassay data system support.
 N01CP-23303-04 (** DI MAYORCA, GIAMPIERO, CHICAGO, ILLINOIS. Temperature sensitive mutants in vitro carcinogenesis.
 N01CP-33200-03 (** CLARK, WALLACE H, JR, PHILADELPHIA, PENNSYLVANIA. Induction of malignant melanomas in guinea pigs.
 N01CP-33201-01 (** ADKINS, HARRY F, ROCKVILLE, MARYLAND. Maintenance of low-temperature repository for cell lines from human tumors.
 N01CP-33202-01 (** MATTHEIS, E BINGHAM, CINCINNATI, OHIO. Carcinogenic properties of industrial chemicals (hamsters, mice).
 N01CP-33204-02 (** OLDSTONE, MICHAEL S, LA JOLLA, CALIFORNIA. Immunopathologic study of leukemia (human, mice).
 N01CP-33205-01 (** FRANKEL, JACK W, ST PETERSBURG, FLORIDA. Study Manak's disease Herpes virus.
 N01CP-33210-01 (** FARROW, WENDALL, ST PETERSBURG, FLORIDA. Production and maintenance of germfree animals.
 N01CP-33211-02 (** WU, ALAM M, BETHESDA, MARYLAND. Molecular events in transformation by RNA oncogenic viruses (human, animals).
 N01CP-33212-04 (** GOOD, ROBERT, VIENNA, VIRGINIA. Viruses and experimental oncogenes and human cancer (animals).
 N01CP-33214-03 (** GRISWOLD, DANIEL P, BIRMINGHAM, ALABAMA. Carcinogenicity of chemotherapeutic agents and related chemicals (rats, mice).
 N01CP-33215-01 (** FRIEDMAN, GARY D, OAKLAND, CALIFORNIA. Epidemiologic study of colon cancer in blacks.
 N01CP-33216-01 (** STEAMERMAN, GRANT N, HONOLULU, HAWAII. Japan-Hawaii cancer study.
 N01CP-33218-02 (** MEYERS, PAUL, MIAMI, FLORIDA. Cellular immunity in breast cancer (mice).
 N01CP-33219-01 (** DEINHARDT, FRIEDRICH W, CHICAGO, ILLINOIS. Study of tumor viruses in primates.
 N01CP-33220-01 (** URIEL, LITTAUER, REHOVOT, ISRAEL. Alteration in translation of genetic messages by viruses and carcinogens.
 N01CP-33221-01 (** LUGENBUHL, ROY E, STORRS, CONNECTICUT. Maintenance of pathogen-free white leghorn chickens.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

N01CP-33222-03 (** BERNSTEIN, EUGENE H, HIGHLAND PARK, NEW JERSEY. Production of avian and mammalian oncogenic viruses and antisera.
 N01CP-33223-02 (** WILSNACK, ROGER E, BALTIMORE, MARYLAND. Preparation of antisera against oncogenic viral antigens.
 N01CP-33224-01 (** ZARAPONETIS, CHRIS J, ANN ARBOR, MICHIGAN. Collection of human specimens for virologic and immunologic studies.
 N01CP-33225-04 (** OLSON, WILLIAM A, VIENNA, VIRGINIA. Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents).
 N01CP-33226-02 (** BRENNAN, MICHAEL J, DETROIT, MICHIGAN. Laser light scattering studies on nucleic acids, nucleoproteins and viruses.
 N01CP-33229-03 (** FURST, ARTHUR, SAN FRANCISCO, CALIFORNIA. Study carcinogenicity of heavy metals (rats).
 N01CP-33231-04 (** FISKE, M D, SCHENECTADY, NEW YORK. Applied electrical and optical technology in oncology.
 N01CP-33232-04 (** SHIMKIN, MICHAEL B, LA JOLLA, CALIFORNIA. Pulmonary tumors in mice for carcinogenic bioassay.
 N01CP-33254-04 (** MAYYASI, S A, MAYWOOD, NEW JERSEY. Production of viruses and human-virus cancer cell lines.
 N01CP-33235-02 (** MC COLLUM, ROBERT W, NEW HAVEN, CONNECTICUT. Establish Connecticut cancer epidemiology program.
 N01CP-33236-01 (** STORB, RAINER, SEATTLE, WASHINGTON. Immunological and transplantation studies on dogs with cancer.
 N01CP-33237-02 (** MADIN, STEWART H, BERKELEY, CALIFORNIA. Cell culture laboratory and associated research in viral oncology.
 N01CP-33238-02 (** ROGERS, ADRIANNE E, CAMBRIDGE, MASSACHUSETTS. Interactions between diet and chemical carcinogenesis (rats).
 N01CP-33239-02 (** AHMED, MUMTAZ, MAYWOOD, NEW JERSEY. Virological studies of breast cancer (human, mammals).
 N01CP-33241-02 (** VAN DUUREN, BENJAMIN L, NEW YORK, NEW YORK. Carcinogenesis principles of processed tobacco and tobacco smoke (human, mammals).
 N01CP-33242-02 (** KAWAKAMI, THOMAS G, DAVIS, CALIFORNIA. Comparative leukemia and sarcoma virus studies (human, monkeys, gibbons).
 N01CP-33243-03 (** HENKE, C B, MIDLAND, MICHIGAN. Research and development of biohazards control.
 N01CP-33245-01 (** KAIZER, H, BALTIMORE, MARYLAND. Pediatric Tumor Resource.
 N01CP-33246-02 (** THOMPSON, DONOVAN J, SEATTLE, WASHINGTON. Center for epidemiologic investigation of cancer.
 N01CP-33247-04 (** GILDEN, RAYMOND, ROCKVILLE, MARYLAND. Oncogenesis of herpesvirus and C-type viruses (human, mammals nonhuman).
 N01CP-33248-02 (** NIMS, ROBERT M, BETHESDA, MARYLAND. Immunoprevention of spontaneously occurring neoplasms.
 N01CP-33249-02 (** LULLY, FRANK, BRONX, NEW YORK. Immunological and genetic factors in viral leukemogenesis (mice).
 N01CP-33250-03 (** GIRARDI, ANTHONY, PHILADELPHIA, PENNSYLVANIA. Isolation and characterization of transplantation antigens (human, hamsters).
 N01CP-33253-01 (** CARDIFF, ROBERT D, DAVIS, CALIFORNIA. In vitro cultivation of human and mouse mammary tumor viruses.
 N01CP-33254-03 (** LAKE, WILLIAM, ROCKVILLE, MARYLAND. Computing services for Third National Cancer Survey.
 N01CP-33255-02 (** MEIER, HANS, BAR HARBOR, MAINE. Natural occurrence of RNA tumor viruses-genomes (mice).
 N01CP-33257-03 (** MELNICK, JOSEPH L, HOUSTON, TEXAS. Viral etiology of human malignancies (monkeys).
 N01CP-33258-02 (** SPIEGELMAN, SOL, NEW YORK, NEW YORK. Replication of oncogenic RNA viruses and relation to human cancer.
 N01CP-33259-03 (** LAKE, WILLIAM, RIVERDALE, MARYLAND. Biomedical computing services in clinical and diagnostic trails program.
 N01CP-33260-04 (** KUSCHNER, MARVIN, NEW YORK, NEW YORK. Studies on pulmonary carcinogenesis (rats, hamsters).
 N01CP-33261-02 (** LEE, RICHARD K, HONOLULU, HAWAII. Demographic cancer research and training in Hawaii.
 N01CP-33262-01 (** FARBER, EMMANUEL, PHILADELPHIA, PENNSYLVANIA. Biochemical and morphological components of hepatic carcinogenesis.
 N01CP-33264-01 (** ZAMCHECK, NORMAN, BOSTON, MASSACHUSETTS. Carcinoma-embryonic antigens in humans.
 N01CP-33265-02 (** ALLEN, DAVID W, CAMBRIDGE, MASSACHUSETTS. Studies on avian virus proteins.
 N01CP-33266-02 (** KAPADIA, GOVIND J, WASHINGTON, DISTRICT OF COLUMBIA. Investigation of potential carcinogens from plants.
 N01CP-33271-01 (** FISHER, LESTER E, CHICAGO, ILLINOIS. Maintain a marmoset breeding colony.
 N01CP-33272-01 (** HENLE, GERTRUDE, PHILADELPHIA, PENNSYLVANIA. Propagation and seroepidemiology of EB virus.
 N01CP-33273-01 (** LITTLE, JOHN B, CAMBRIDGE, MASSACHUSETTS. Factor influencing experimental respiratory carcinogenesis (mammals nonhuman).
 N01CP-33276-02 (** LEVIN, EPHRAIM Y, BALTIMORE, MARYLAND. Studies of heme moiety of P-450 (mice).
 N01CP-33279-01 (** BASILICO, CLAUDIO, NEW YORK, NEW YORK. Isolate, propagate and store mutant vertebrate cells (mice).
 N01CP-33283-02 (** BALUDA, M A, LOS ANGELES, CALIFORNIA. Search for hybridizable tumor virus DNA in tissues from cancer patients.
 N01CP-33284-04 (** THAYER, PHILIP A, CAMBRIDGE, MASSACHUSETTS. Bioassay of the cytotoxicity of cigarette smoke (mammals nonhuman).
 N01CP-33285-03 (** MC GEE, ARTHUR A, MENLO PARK, CALIFORNIA. Selection and ranking of environmental chemicals.
 N01CP-33286-01 (** CUELLO, CARLOS, CALI, COLOMBIA. Geographic pathology and epidemiology of cancer in Cali, Colombia.
 N01CP-33287-01 (** VESSELINOVITCH, STAN D, CHICAGO, ILLINOIS. Definition of sensitivity of carcinogenesis bioassay systems (mice).
 N01CP-33288-02 (** PARKER, JOHN C, BETHESDA, MARYLAND. Virus typing and diagnostic reagents.
 N01CP-33290-01 (** ITO, YOHEI, NAGOYA, JAPAN. Immunologic and epidemiologic studies on Japanese patients with cancer.
 N01CP-33291-01 (** BEARD, JOSEPH W, ST PETERSBURG, FLORIDA. Production of avian leucosis viruses.
 N01CP-33293-03 (** BISHOP, JOHN M, SAN FRANCISCO, CALIFORNIA. Study role of virion-associated DNA polymerase.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1CP-33296-02 (**) STOCKHAM, JOHN, CHICAGO, ILLINOIS. Particulate materials for respiratory carcinogenesis.

NO1CP-33301-01 (**) HERSH, EVAN M, HOUSTON, TEXAS. Establish human immunity to Rauscher leukemia virus.

NO1CP-33304-03 (**) DMOCHOWSKI, LEON, HOUSTON, TEXAS. Relationship of viruses to human leukemia, lymphoma and breast cancer.

NO1CP-33305-02 (**) WYNDER, ERNEST L, NEW YORK, NEW YORK. Evaluation of carcinogenic agents (mice).

NO1CP-33206-01 (**) HANAFUSA, HIDESABURO, NEW YORK, NEW YORK. Evaluation of methods for isolation of virus from human neoplasia.

NO1CP-33307-01 (**) WARKANY, JOSEF, CINCINNATI, OHIO. Etiology of medulloblastoma and other brain tumors (mice, rats).

NO1CP-33308-02 (**) BOLOGNESI, DANI P, DURHAM, NORTH CAROLINA. Expression of the RNA tumor virus genome in malignant cells (human, mammals).

NO1CP-33310-02 (**) BECKER, YECHIEL, JERUSALEM, ISRAEL. Herpesvirus and its role in human cancer.

NO1CP-33311-02 (**) AUGUST, J THOMAS, BRONX, NEW YORK. Molecular basis of viral carcinogenesis (chick embryo, human, mammals).

NO1CP-33313-01 (**) SNYDERMAN, RALPH, DURHAM, NORTH CAROLINA. Response of peripheral blood monocytes to chemotactic factors.

NO1CP-33314-01 (**) TARRO, GIULIO, NAPLES, ITALY. Role of herpes simplex virus in human malignancies.

NO1CP-33315-01 (**) TANNENBAUM, STEVEN, CAMBRIDGE, MASSACHUSETTS. Environmental occurrence of N-nitroso compounds.

NO1CP-33316-01 (**) NOT APPLICABLE, STOCKHOLM, SWEDEN. Herpes-type virus in etiology of human cancer.

NO1CP-33321-01 (**) BLACK, MAURICE M, NEW YORK, NEW YORK. Study on breast lesions (human).

NO1CP-33325-01 (**) SCHUMAN, LEONARD M, MINNEAPOLIS, MINNESOTA. Conducting cancer mortality studies.

NO1CP-33326-03 (**) COLE, PHILIP, CAMBRIDGE, MASSACHUSETTS. Epidemiology and etiology of breast cancer.

NO1CP-33327-01 (**) BLASHOFF, ROBERT M, SAN FRANCISCO, CALIFORNIA. Group testing for screening carcinogens (mammals nonhuman).

NO1CP-33332-01 (**) TOMKINS, GORDON M, SAN FRANCISCO, CALIFORNIA. Hormonal control of gene expression (mammals nonhuman).

NO1CP-33333-02 (**) STULBERG, CYRIL S, DETROIT, MICHIGAN. Identification of cancer cell in vitro.

NO1CP-33334-01 (**) MOORE, W E, BLACKSBURG, VIRGINIA. Comparative fecal flora studies (human).

NO1CP-33335-01 (**) HENTGES, DAVID J, COLUMBIA, MISSOURI. High meat diet and bacterial flora and chemical components of feces.

NO1CP-33336-01 (**) PAGANG, JOSEPH S, CHAPEL HILL, NORTH CAROLINA. Molecular biology of EB virus and related herpes viruses in human malignancies.

NO1CP-33337-01 (**) ANDERSON, PAUL, BALTIMORE, MARYLAND. Antitumor reactivity in patients with leukemia and lymphoma.

NO1CP-33339-02 (**) MOORE, DAN H, CAMDEN, NEW JERSEY. Human milk and mammary tumors (chickens).

NO1CP-33340-01 (**) KALTER, SEYMOUR S, SAN ANTONIO, TEXAS. Maintenance of a chimpanzee colony.

NO1CP-33342-02 (**) GOLDBLUM, NATAN, JERUSALEM, ISRAEL. Multidisciplinary study of Hodgkin's disease (human).

NO1CP-33343-01 (**) MC CLURE, HAROLD M, ATLANTA, GEORGIA. Maintenance of an irradiated monkey colony.

NO1CP-33344-03 (**) KEY, CHARLES R, ALBUQUERQUE, NEW MEXICO. Develop population based cancer registry.

NO1CP-33345-01 (**) AURILLIAN, LAURE, BALTIMORE, MARYLAND. Herpesvirus antigens and viruses in human cervix carcinoma.

NO1CP-33346-02 (**) RICKARD, CHARLES G, ITHACA, NEW YORK. Leukemia studies in the cat (and dogs).

NO1CP-33347-05 (**) BRENNAN, MICHAEL J, DETROIT, MICHIGAN. High risk breast cancer families (human).

NO1CP-33348-02 (**) BALTIMORE, DAVID, CAMBRIDGE, MASSACHUSETTS. Study the leukemia virus DNA polymerase.

NO1CP-33350-01 (**) BARCLAY, T H C, REGINA, SASKATCHEWAN, CANADA. Data on cancer incidence and prevalence.

NO1CP-33351-01 (**) STEINITZ, RUTH, JERUSALEM, ISRAEL. Cancer incidence study and registry assessment.

NO1CP-33352-01 (**) DIXON, FRANK J, LA JOLLA, CALIFORNIA. Immunologic study of RNA tumor (type C) viruses (mice, cats, human).

NO1CP-33353-02 (**) DUNN, JOHN E, JR, SACRAMENTO, CALIFORNIA. Study of cancer in Japanese migrants.

NO1CP-33355-01 (**) LEMP, JOHN F, JR, BETHESDA, MARYLAND. Purification and characterization of viruses.

NO1CP-33357-01 (**) KERSEY, JOHN H, ST PAUL, MINNESOTA. Tumor viruses in immunological deficiency diseases (human).

NO1CP-33358-01 (**) BOGDEN, ARTHUR E, WORCESTER, MASSACHUSETTS. Hormonal factors on induction of breast tumors (monkeys, rats, human).

NO1CP-33359-01 (**) DOGO, GIOVANNI, PADUA, ITALY. Procuring fibroblast cultures and human tumors.

NO1CP-33364-01 (**) WATTENBERG, LEE W, MINNEAPOLIS, MINNESOTA. Polycyclic hydrocarbon metabolism in respiratory tract.

NO1CP-33365-02 (**) BOIRON, MICHEL, PARIS X, FRANCE. Molecular virology studies of human leukemias.

NO1CP-33366-01 (**) ZAMECNIK, PAUL C, BOSTON, MASSACHUSETTS. Nucleic acids and proteins of the avian myeloblastosis virus.

NO1CP-33368-01 (**) BOOT, LOURENS M, AMSTERDAM C, THE NETHERLANDS. Immunogenetic studies on breast cancer and leukemia (mice, human).

NO1CP-33372-01 (**) HELLSTROM, KARL E, SEATTLE, WASHINGTON. Demonstrate tumor specific transplantation antigens (human, mammals nonhuman).

NO1CP-33373-02 (**) KLEIN, EDMUND, ALBANY, NEW YORK. Application of immunotherapy to malignant diseases (human).

NO1CP-33374-01 (**) DAGLE, G E, RICHLAND, WASHINGTON. Research on standardizing lung pellet techniques (rats).

NO1CP-33376-02 (**) VESSELINOVITCH, STAN, CHICAGO, ILLINOIS. Enhanced delivery of chemical carcinogens.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1CP-33377-02 (**) DENTON, R L, MONTREAL, CANADA. Supply blood and tissues from human leukemic controls.

NO1CP-33379-01 (**) SHAIN, SYDNEY A, SAN ANTONIO, TEXAS. Factors of the prostate.

NO1CP-33380-02 (**) FINEGOLD, SYDNEY M, LOS ANGELES, CALIFORNIA. Fecal flora studies.

NO1CP-33382-02 (**) HAYWARD, A E, ROCKVILLE, MARYLAND. Tobacco research program (mice).

NO1CP-33384-01 (**) GIBSON, DAVID T, AUSTIN, TEXAS. Microbiological synthesis of carcinogenic polycyclic hydrocarbons.

NO1CP-33385-02 (**) HARVEY, RONALD G, CHICAGO, ILLINOIS. Synthesis of carcinogenic polycyclic hydrocarbons.

NO1CP-33386-01 (**) WHEELER, OWEN M, SAN GERMAN, PUERTO RICO. Synthesis of carcinogenic polycyclic hydrocarbons.

NO1CP-33387-02 (**) ENGLE, JAMES F, KANSAS CITY, MISSOURI. Synthesis of polycyclic hydrocarbon derivatives.

NO1CP-33390-02 (**) ABLENDEZ, L V, CAMBRIDGE, MASSACHUSETTS. Research on herpesviruses causing lymphoma in primates.

NO1CP-33391-03 (**) TORGERSEN, JUDITH, ROCKVILLE, MARYLAND. Provide animal holding facility.

NO1CP-33392-02 (**) CARTER, JERRY J, CAMBRIDGE, MASSACHUSETTS. Lymphoma cells and bioassay as a prescreen for carcinogens (mice).

NO1CP-33393-02 (**) SZAKACS, JENO E, TAMPA, FLORIDA. Human sarcomas and possible viral etiology.

NO1CP-33395-01 (**) ROSENKRANZ, HERBERT S, NEW YORK, NEW YORK. Microbial mutagenicity as a prescreen (mice).

NO1CP-33396-02 (**) ALLEN, WILLIAM P, COVINGTON, LOUISIANA. Humeral and cellular immunity in herpes virus (primates).

NO1CP-33398-01 (**) BLACK, MAURICE M, NEW YORK, NEW YORK. Immunologic responses of breast cancer.

NO1CP-33400-01 (**) HATHAWAY, WILLIAM E, DENVER, COLORADO. Specimens from pediatric oncology patients and families.

NO1CP-33402-03 (**) LEE, ANTHONY, ROCKVILLE, MARYLAND. Literature search, retrieval and compilation for PHS-149 series and indexes.

NO1CP-33403-01 (**) SELL, STEWART, LA JOLLA, CALIFORNIA. Relation fetoglobulins to induction of hepatoma by chemical carcinogen (rodent).

NO1CP-33404-01 (**) BINDER, RICHARD A, WASHINGTON, DISTRICT OF COLUMBIA. Blood and tissue specimens from patients with malignancies.

NO1CP-33405-01 (**) HOLLEY, ROBERT W, SAN DIEGO, CALIFORNIA. Carcinogenesis and control of the cell cycle.

NO1CP-43200-00 (**) ISACSON, EDWIN P, IOWA CITY, IOWA. Third National Cancer Survey.

NO1CP-43201-00 (**) GOLD, ELI, CLEVELAND, OHIO. Mortality experience of children inoculated with SV40.

NO1CP-43202-00 (**) ALLEN, LEROY, WASHINGTON, DISTRICT OF COLUMBIA. Atomic bomb casualty commission study.

NO1CP-43200-00 (**) CHRISTINE, BARBARA, HARTFORD, CONNECTICUT. Cancer end results evaluation.

NO1CP-43204-00 (**) LATOURETTE, HOWARD B, IOWA CITY, IOWA. Abstracting and coding of data on cancer cases.

NO1CP-43204-00 (**) ROHN, ROBERT J, BLOOMINGTON, INDIANA. Abstract and code statistical data on cancer cases.

NO1CP-43206-00 (**) SMITH, DAVID E, CHARLOTTESVILLE, VIRGINIA. Cancer end results evaluation program.

NO1CP-43207-00 (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation (human, cats).

NO1CP-43204-00 (**) OETTGEN, HERBERT F, NEW YORK, NEW YORK. Procure human sera from defined population groups.

NO1CP-43209-00 (**) LENNETTE, EDWIN M, SACRAMENTO, CALIFORNIA. Viruses in cancer etiology (human, mammals nonhuman).

NO1CP-43210-00 (**) GRINA, MELVIN L, CHICAGO, ILLINOIS. Continuation of cancer end results project.

NO1CP-43211-02 (**) TERASAKI, PAUL I, LOS ANGELES, CALIFORNIA. Viruses, genetics and immunity in the etiology of human cancer.

NO1CP-43212-00 (**) DUESBERG, PETER M, BERKELEY, CALIFORNIA. Structure and replication of murine and avian tumor viruses.

NO1CP-43213-00 (**) HAMMOND, CUYLER E, NEW YORK, NEW YORK. Study of smoking and mortality among veterans.

NO1CP-43214-00 (**) HERBERLING, R L, SAN ANTONIO, TEXAS. Latent virus infection and transmission of C-type particles (monkeys, human).

NO1CP-43216-00 (**) GIARD, DONALD J, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation studies (human).

NO1CP-43217-00 (**) YOHN, DAVID S, COLUMBUS, OHIO. Biohazards control and containment in oncogenic virus research.

NO1CP-43218-00 (**) MACK, THOMAS M, CAMBRIDGE, MASSACHUSETTS. Cancer and chronic diseases virologic laboratory workers.

NO1CP-43219-00 (**) LATARJET, L, PARIS, FRANCE. Molecular and genetic studies of Rous sarcoma virus.

NO1CP-43222-00 (**) BLACK, PAUL H, BOSTON, MASS. Activation of C-particles and induction of cancer.

NO1CP-43223-00 (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Molecular studies on human and animal cancer-breast carcinoma.

NO1CP-43224-00 (**) RABIN, HARVEY, BETHESDA, MARYLAND. Oncogenic activity of virus preparations in primates.

NO1CP-43225-00 (**) HOLLAND, JAMES F, NEW YORK, NEW YORK. Immunity to virus associated and tumor associated antigens (mice, human).

NO1CP-43220-00 (**) KAPLAN, HENRY S, STAMFORD, CALIFORNIA. Research of Hodgkins disease and other human malignant lymphomas.

NO1CP-43229-00 (**) SEGALOFF, ALBERT, NEW ORLEANS, LOUISIANA. Carcinogenesis by radiation plus estrogen (rats).

NO1CP-43230-00 (**) THOMAS, JOHN A, MORGANTOWN, WEST VIRGINIA. Pituitary hormones and androgens (mice, guinea pig, hamster, dogs, human).

NO1CP-43231-00 (**) HAY, ROBERT J, DAYTON, OHIO. Development of pancreatic cells.

NO1CP-43232-00 (**) FITZGERALD, PATRICK J, NEW YORK, NEW YORK. Site of origin of human pancreatic adenocarcinoma.

NO1CP-43234-00 (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- N01CP-43237-00 (** TRUMP, BENJAMIN F, BALTIMORE, MARYLAND. Normal and malignant tracheobronchial epithelium in humans (hamsters).
 N01CP-43238-00 (** RUDDLE, FRANK H, NEW HAVEN, CONNECTICUT. Selection and propagation of haploid and partial monosemic cell lines (mice).
 N01CP-43239-00 (** MARTIN, DAVID W, JR, SAN FRANCISCO, CALIFORNIA. Propagation of somatic cells having specific physiological mutations.
 N01CP-43248-00 (** HOUSEWRIGHT, RILEY D, BETHESDA, MARYLAND. Roles of viruses and chemical in the etiology of cancer.
 N01CP-43241-00 (** SACHS, LEO, REHOVOT, ISRAEL. Virus-induced tumor specific transplantation antigens (mice).
 N01CP-43242-00 (** VOGT, PETER K, LOS ANGELES, CALIFORNIA. Conditioned lethal mutant of RNA tumor viruses.
 N01CP-43243-00 (** BECKHART, WALTER, SAN DIEGO, CALIFORNIA. Interactions between RNA tumor viruses and other viral agents.
 N01CP-43244-00 (** HAYFLICK, LEONARD, STAMFORD, CALIFORNIA. Human tumor cell culture and mycoplasma activity (also mammals nonhuman).
 N01CP-43245-00 (** POWERS, MARCELINA, VIENNA, VIRGINIA. Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents).
 N01CP-43247-00 (** PEDERSEN, EINAR, OSLO, NORWAY. Shifts in cancer risks among Norwegian migrants.
 N01CP-43248-00 (** NEWMAN, MELVIN S, COLUMBUS, OHIO. Research on preparation of polymers containing carcinogenic moieties.
 N01CP-43249-00 (** REIN, ALAN, BETHESDA, MARYLAND. Application of animal virus model systems to human neoplasia.
 N01CP-43250-00 (** PRIESEN, HENRY G, MANTOBA, CANADA. Supply of human prolectin.
 N01CP-43251-00 (** DOSK, HARVEY, BROOKLYN, NEW YORK. Viral transformation and chromosomal aberrations in human tumors.
 N01CP-43252-00 (** GRAVELL, MANETH, BETHESDA, MARYLAND. SVCP back-up laboratory.
 N01CP-43253-00 (** WOLF, GEORGE D, CAMBRIDGE, MASSACHUSETTS. Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats).
 N01CP-43254-00 (** DESHAUKH, D, BETHESDA, MARYLAND. Type C RNA tumor viruses (animals).
 N01CP-43255-00 (** NICHOLSON, WILLIAM J, NEW YORK, NEW YORK. Identification of human populations at risk from N-nitroso compounds.
 N01CP-43256-00 (** FISHER, THELMA N, PORTLAND, OREGON. Prostatic epithelial cell lines (human).
 N01CP-43257-00 (** TIDWELL, DALTON, RIVERDALE, MARYLAND. Carcinogenesis bioassay data system operational support.
 N01CP-43258-00 (** HENDRIX, ROBERT C, ANN ARBOR, MICHIGAN. Cancer end results project.
 N01CP-43259-00 (** KREWENTZ, EDWARD T, NEW ORLEANS, LOUISIANA. Furnish statistical data on cancer cases.
 N01CP-43260-00 (** MORRIS, SHIMLEY, BETHESDA, MARYLAND. Acquisition of fresh human specimens.
 N01CP-43262-00 (** KREMENTZ, EDWARD T, NEW ORLEANS, LOUISIANA. Louisiana Tumor Registry.
 N01CP-43263-00 (** GILLETTE, R, SPRINGFIELD, VIRGINIA. Mouse mammary tumor virus production facility.
 N01CP-43264-00 (** BRENNAN, MICHAEL J, DETROIT, MICHIGAN. Detroit SSMA population-based cancer registry.
 N01CP-43265-01 (** WOGAN, GERALD N, CAMBRIDGE, MASSACHUSETTS. Toxicity and carcinogenicity associated with fungus growth on food stuffs.
 N01CP-43266-00 (** JOHNSON, RICHARD T, BALTIMORE, MARYLAND. New papovaviruses isolated from man.
 N01CP-43267-00 (** BURCHFIELD, H P, BATON ROUGE, LOUISIANA. Carcinogenesis bioassay of pesticides (mice, rats).
 N01CP-43269-00 (** POLEY, GEORGE E, BOSTON, MASSACHUSETTS. Isolating type C virus from cultured human leukemic cells.
 N01CP-43270-00 (** HNILICA, LUBOMIR S, HOUSTON, TEXAS. Non-histone DNA binding proteins (rats).
 N01CP-43271-00 (** FORBES, P D, PHILADELPHIA, PENNSYLVANIA. UV photocarcinogenesis (mice).
 N01CP-43272-00 (** JONES, DAVID, MENLO PARK, CALIFORNIA. Study of combined effects of chemical carcinogens (rats).
 N01CP-43274-00 (** DARROW, CLIMENT C, BETHESDA, MARYLAND. Carcinogenesis in human bronchial tissues.
 N01CP-43276-00 (** YOHN, DAVID S, COLUMBUS, OHIO. Interaction between chemical and viral carcinogens (human, rodents).
 N01CP-43277-00 (** REISFIELD, RALPH A, LA JOLLA, CALIFORNIA. Chemical analysis of soluble human tumor specific antigens (human, goats).
 N01CP-43278-00 (** FINK, RAYMOND, NEW YORK, NEW YORK. Study of value of mammography.
 N01CP-43281-00 (** STRONG, JACK P, NEW ORLEANS, LOUISIANA. Premalignant lesions in the large intestine.
 N01CP-43282-00 (** GULLEN, WARREN H, AUGUSTA, GEORGIA. Incidence of colon cancer among blacks, Spanish Americans and whites.
 N01CP-43288-00 (** FRIEDMAN, GARY D, OAKLAND, CALIFORNIA. Study of time trends in maternal x-ray exposure (human).
 N01CP-43264-00 (** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Incidence of esophageal cancer in specific geographic regions.
 N01CP-43285-00 (** VESLEY, DONALD, MINNEAPOLIS, MINNESOTA. Short courses on laboratory biohazards and injury control.
 N01CP-43287-00 (** FUNDERBURK, WILLIAM W, WASHINGTON, DISTRICT OF COLUMBIA. Correlation of molecular virology to diagnosis of breast cancer.
 N01CP-43288-00 (** STRANDBERG, JOHN, BALTIMORE, MARYLAND. Animal pathology support.
 N01CP-43289-00 (** BAXTER, DAVID W, CHICAGO, ILLINOIS. Supply of hamsters treated with respiratory carcinogens.
 N01CP-43290-00 (** GORBACH, SHERWOOD L, LOS ANGELES, CALIFORNIA. Mucosal-associated microorganisms and their relationship to cancer (human).
 N01CP-43292-00 (** DELAPRESNAYE, JEAN F, GENEVA, SWITZERLAND. International investigation on the epidemiology of lymphomas.
 N01CP-43293-01 (** KLEINSTEIN, BRUCE H, PHILADELPHIA, PENNSYLVANIA. Preparation of carcinogenesis abstracts.
- N01CP-43294-00 (** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Hormones and oral contraceptives.
 N01CP-43295-00 (** BENSCHE, KLAUS G, STAMFORD, CALIFORNIA. Studies on oat-cell carcinoma of the lung (human).
 N01CP-43294-00 (** DR THE, G BLAUDIN, LYONS, FRANCE. Sero-epidemiological studies on nasopharyngeal carcinoma (human).
 N01CP-43297-00 (** BAKER, JOHN, WORCHESTER, MASSACHUSETTS. Carcinogenic bioassay of environmental chemicals (rats, mice).
 N01CP-43298-00 (** FRIEDMANN, THEODORE, LA JOLLA, CALIFORNIA. Regulatory proteins in oncogenic viruses.
 N01CP-43299-00 (** BENJAMIN, THOMAS L, CAMBRIDGE, MASSACHUSETTS. Cells transformed by DNA and RNA tumor viruses.
 N01CP-43300-00 (** BUSEY, WILLIAM, HERNDON, VIRGINIA. Animal pathology support.
 N01CP-43301-00 (** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Epidemiology of cancer-Current awareness system.
 N01CP-43302-00 (** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Carcinogenesis bioassay dose response study.
 N01CP-43303-00 (** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Thyroid-active substances and urethane.
 N01CP-43304-00 (** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. 'Carcinogenesis abstracts' subscribers.
 N01CP-43300-00 (** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Literature support for nitrosamines program.
 N01CP-43209-00 (** DAVIDSON, NORMAN R, PASADENA, CALIFORNIA. Electron microscopic studies of tumor virus nucleic acids.
 N01CP-43307-00 (** STERN, W D, JERUSALEM, ISRAEL. Studies of mammalian cell transport systems.
 N01CP-43309-00 (** KOUJAL, R E, BETHESDA, MARYLAND. Screening method to determine smoking hazards (human).
 N01CP-43310-00 (** COATE, WILLIAM B, VIENNA, VIRGINIA. Respiratory impairment in beagies exposed to cigarette smoke.
 N01CP-43312-00 (** ADIR, JOSEPH, BALTIMORE, MARYLAND. Metabolic studies on tobacco smoke constituents (mammals).
 N01CP-43314-00 (** WEHNER, A E, RICHLAND, WASHINGTON. Inhalation bioassay in rats.
 N01CP-43215-00 (** ZWICKER, GARY M, RICHLAND, WASHINGTON. Inhalation bioassay of cigarette smoke in dogs.
 N01CP-43316-00 (** ANGELENE, JOHN F, CAMBRIDGE, MASSACHUSETTS. Evaluation of smoker acceptance of less-hazardous cigarettes.
 N01CP-43317-00 (** VESSELINOVITCH, STAN D, CHICAGO, ILLINOIS. Definition of sensitivity of carcinogenesis bioassay systems (mice).
 N01CP-43318-00 (** DIMAYORICA, GIAMPIERO, CHICAGO, ILLINOIS. Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals).
 N01CP-43319-00 (** ZAJAC, BARBARA A, PHILADELPHIA, PENNSYLVANIA. Immunological characterization of EBV antigen (rabbits).
 N01CP-43320-00 (** GARGUS, JAMES L, VIENNA, VIRGINIA. Mouse dermal bioassays of cigarette smoke condensates.
 N01CP-43321-00 (** DAVIES, J N, ALBANY, NEW YORK. Epidemiology of childhood cancer.
 N01CP-43325-00 (** COGGIN, JOSEPH H, KNOXVILLE, TENNESSEE. Relationship of embryonic antigens to virus-induced tumor antigens (mammals).
 N01CP-43328-00 (** BENTVELZEN, PETER A, RIJNSWIJK, NETHERLANDS. Release of RNA tumor virus and its genetic control.
 N01CP-43330-00 (** AURELIAN, LAURE, BALTIMORE, MARYLAND. Cellular immunity to herpes simplex antigens in cancer patients and controls.
 N01CP-43381-00 (** SAMNOVITCH, LOUIS, TORONTO, CANADA. Propagation and storage of mutant vertebrate cells.
 N01CP-43333-00 (** DEAN, JACK H, BETHESDA, MARYLAND. Immunological assay for DNA and RNA virus.
 N01CP-43334-00 (** LEMP, JOHN F, JR, BETHESDA, MARYLAND. Virus processing and production facility.
 N01CP-43335-00 (** HIRSHAUT, YASHAR, NEW YORK, NEW YORK. Human materials for transmissible agents in tumors.
 N01CP-43336-00 (** JABLON, SEYMOUR, WASHINGTON, DISTRICT OF COLUMBIA. Epidemiologic studies in etiology of cancer in veterans.
 N01CP-43327-00 (** HOLMES, A W, LEATHERHEAD, SURREY KT 22 7RY, UNITED KINGDOM. N-nitroso compounds and their precursors in the environment.
 N01CP-43338-00 (** CHOW, W L, BURNABY 2, CANADA. N-nitroso compounds and their precursors in the environment.
 N01CP-43342-00 (** KNAET, JANEZ, LYON, FRANCE. Etiology of esophageal cancer in the Caspian Littoral of Iran.
 N01CP-43344-00 (** SZANTO, PAUL B, CHICAGO, ILLINOIS. Supply of fresh human materials from neoplastic patients.
 N01CP-43345-00 (** DAS GUPTA, TAPAS K, CHICAGO, ILLINOIS. Supply of fresh human materials from neoplastic patients.
 N01CP-43347-00 (** BAKER, JOHN K, UNIVERSITY, MISSISSIPPI. Development and application of methods for N-Nitroso compounds.
 N01CP-43348-00 (** BILLS, D D, CORVALLIS, OREGON. Development and application of analytical methods for N-Nitroso compounds.
 N01CP-43349-02 (** GARNER, F M, BETHESDA, MARYLAND. Carcinogenic bioassay of environmental chemicals (mice, rats).
 N01CP-43350-02 (** WESSILL, CARL, ROCKVILLE, MARYLAND. Bioassay prime contract.
 N01CP-43351-00 (** BURTON, ROBERT W, RIVERDALE, MARYLAND. Biological resources management information system support services.
 N01CP-43353-00 (** THOR, DANIEL E, SAN ANTONIO, TEXAS. Detection of immunologic reactivity to chemical carcinogens (guinea pigs).
 N01CP-43354-00 (** POMERANZ, JEROME R, CLEVELAND, OHIO. Specific immunological unresponsiveness to chemical carcinogens (guinea pigs).
 N01CP-43355-00 (** CASKEY, CHARLES T, HOUSTON, TEXAS. Conduct studies of nonsense suppressor of 3T3 cells (mice).
 N01CP-43358-00 (** SIGEL, MICHAEL M, MIAMI, FLORIDA. Immunological studies on animal breast carcinoma (mice).
 N01CP-43359-01 (** GREEN, MAURICE, ST LOUIS, MISSOURI. Study of oncogenesis.
 N01CP-43361-00 (** PATEL, APPASAHAB R, SPRINGFIELD, VIRGINIA. Prepare and analyze cigarette smoke condensate samples.
 N01CP-43364-00 (** CORLE, DON, RIVERDALE, MARYLAND. Biomedical computing services in clinical and diagnostic trials program.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
N01CP-43365-00 (**) TING, ROBERT C, BALA CYNWYD, PENNSYLVANIA. RNA tumor virus transformation of skin fibroblast cells.	N01CP-92014-07 (**) SACHS, LEO, REHOVOTH, ISRAEL. Virus-induced tumor specific transplantation antigens (mice).
N01CP-43366-00 (**) LIPKIN, MARTIN, NEW YORK, NEW YORK. Analysis of cell proliferation in familial polyposis.	N01CP-92061-10 (**) MC KHANN, CHARLES F, MINNEAPOLIS, MINNESOTA. Tumor-specified transplantation antigens in solid tumors (human, mammals).
N01CP-43370-00 (**) ROWEN, JAMES M, HOUSTON, TEXAS. Immunological studies on breast carcinoma (human, mice).	N01CP-92083-07 (**) WOLF, GEORGE D, CAMBRIDGE, MASSACHUSETTS. Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats).
N01CP-43375-00 (**) DIXON, FRANK J, LA JOLLA, CALIFORNIA. Immunologic study of RNA tumor (type C) viruses (mice, cats, human).	N01DA-00001-05 (**) DIV VOCATION REHAB, DEPT HUMAN RES P O BOX 26053, RALEIGH, N C 27611. Provide rehabilitation services to narcotic addicts.
N01CP-43376-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Comparative metabolism of drugs and chemicals in primates, including man.	N01DA-00002-05 (**) SUNBEAM HOME, FAMILY SERV, 616 NORTHWEST 21ST ST, OKLAHOMA CITY, OKLA 73103. Provide services to narcotic addicts.
N01CP-43378-00 (**) WYNDER, ERNEST L, NEW YORK, NEW YORK. Colon carcinogenesis (rodents).	N01DA-00005-05 (**) BUR REHAB NATL CAPITAL AREA, MCLACHLEN BANK BLDG, 666 11TH ST., N W, SUITE 520, WASHINGTON, D C. Provide rehabilitation services to narcotic addicts.
N01CP-43379-00 (**) EASTERDAY, CHARLES L, BOSTON, MASSACHUSETTS. Cervical neoplasia and human herpes simplex virus type 2.	R01DA-00007-04 (NAD) VAN VUNAKIS, HELEN, BRANDEIS UNIV, 415 SOUTH ST, WALTHAM, MASS. Hallucinogenic and narcotic drug immune systems.
N01CP-43380-00 (**) SOEIRO, RUY, BRONX, NEW YORK. Host restriction of Friend Leukemia Virus.	N01DA-00008-64 (**) VIRGINIA STATE DEPT HLTH, JAMES MADISON BUING, 109 GOVERNOR ST, RICHMOND, VIRGINIA 23219. Provide rehabilitation services to narcotic addicts.
N01CP-43381-00 (**) LEVY, JAY A, SAN FRANCISCO, CALIFORNIA. Isolation of human xenotropic viruses (tissue culture).	N01DA-00013-06 (**) FAMILY SERV AGENCY PULASKI CO, NO LITTLE ROCK COMM CR BLDG, 2700 WILLOW P O BOX 500, NORTH LITTLE ROCK ARK 72115. Provide rehabilitation services to narcotic addicts.
N01CP-43382-00 (**) LYON, JOSEPH L, SALT LAKE CITY, UTAH. Epidemiological investigation of cancer in Utah.	N01DA-00014-06 (**) SOUTH PLAINS GUIDANCE CR, 1318 MAIN ST, LUBBOCK, TEXAS 79401. Provide services to narcotic addicts.
N01CP-43384-00 (**) SPECTOR, BEATRICES D, MINNEAPOLIS, MINNESOTA. Immunodeficiency-cancer registry.	R01DA-00014-15 (NAD) BROCHMANN-HANSEN, EINAR, UNIVERSITY OF CALIFORNIA, SCHOOL OF PHARMACY, SAN FRANCISCO, CALIF. Studies on opium and the opium poppy.
N01CP-43385-00 (**) SOCHER, SUSAN M, HOUSTON, TEXAS. Regulation of gene expression in mouse mammary cancer.	R01DA-00015-14 (NAD) BOYD, EUGENE S, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Neuropharmacological effects of a tetrahydrocannabinol (squirrel monkeys).
N01CP-43386-00 (**) MARTINEZ, ISIDRO, SAN JUAN, PUERTO RICO. Cancer survey in the Puerto Rico area.	N01DA-00016-06 (**) KENTUCKY REGION 8 MH MB BD, P O BOX, LOUISVILLE, KY 40201. Rehabilitation services to narcotic addicts.
N01CP-43387-00 (**) GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Virus and reagent production and purification.	R01DA-00016-12 (NAD) COCHIN, JOSEPH, BOSTON UNIVERSITY, 755 COMMONWEALTH AVENUE, BOSTON, MASS. Factors in tolerance to the narcotic analgesics (rats).
N01CP-43388-00 (**) GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Type-C viruses in relation to oncogenic potential (human, animals).	R01DA-00017-10 (NAD) SIMON, ERIC J, NEW YORK UNIV MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Effects of morphine and analogues on cell metabolism (bacteria, mammals, squid).
N01CP-43389-00 (**) GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Studies on Herpesviruses.	N01DA-00018-04 (**) UNIV KENTUCKY RES FDN, UNIVERSITY STATION, LEXINGTON, KENTUCKY 40506. Provide rehabilitation services to narcotic addicts.
N01CP-43391-00 (**) ALBERT, SAMUEL, DETROIT, MICHIGAN. Collection of large quantities of human milk.	R01DA-00019-07 (NAD) RAPOPORT, HENRY, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Biochemistry of opium and tobacco alkaloids.
N01CP-43392-00 (**) SOKAL, JOSEPH E, ALBANY, NEW YORK. Supply of blood and tissue specimens from neoplastic patients.	R01DA-00021-08 (NAD) MECHOULAM, RAPHAEL, HEBREW UNIVERSITY, P O BOX 12065, JERUSALEM, ISRAEL. Syntheses of marijuana constituents (microorganisms, monkeys).
N01CP-43393-00 (**) NAHIMAS, ANDRE J, ATLANTA, GEORGIA. Cellular immunity studies to Herpes simplex antigens.	R01DA-00022-08 (NAD) SHUSTER, LOUIS, TUFTS UNIV SCHOOL OF MEDICINE, 136 HARRISON AVE, BOSTON, MASS. Narcotic addiction and brain protein metabolism (mice).
N01CP-43394-00 (**) LAMON, EDDIE W, BIRMINGHAM, ALABAMA. Relationship of embryonic antigens to virus-induced tumor antigens (mammals).	N01DA-00023-07 (**) CATHOLIC SOCIAL SERV, 355 WASHINGTON, ST PAUL, MINNESOTA 55102. Rehabilitation services to narcotic addicts.
N01CP-43395-00 (**) WELLS, SAMUEL A, DURHAM, NORTH CAROLINA. Study of relationship of embryonic antigen to virus-indu.	R01DA-00023-07 (NAD) MUNKVAD, IB, SC HANS MENTAL HOSP, DEPT E, DK 4000 ROSKILDE, DENMARK. Amphetamine, abnormal behavior and brain (vertebrates).
N01CP-43396-00 (**) MARTIN, MARGARET, WASHINGTON, DISTRICT OF COLUMBIA. A review of skin cancer statistics.	R01DA-00024-07 (NAD) GOLDSTEIN, AVRAM, STANFORD UNIV MED CENTER, DEPARTMENT OF PHARMACOLOGY, STANFORD, CALIF. Biochemical mechanisms in drug addiction (guinea pigs, mice).
N01CP-45600-00 (**) EICHWALD, ERNST J, SALT LAKE CITY, UTAH. Determining the effect of chronic immunosuppression (mice).	R01DA-00027-07 (NAD) PICKENS, ROY W, UNIVERSITY OF MINNESOTA, BOX 392 MAYO, MINNEAPOLIS, MINN. Behavioral dependence on non-narcotic drugs (primates, rats).
N01CP-45601-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Biological data on eight compounds.	N01DA-00028-04 (**) MH CR, NORFOLK & CHESAPEAKE, 401 COLLEY AVE, NORFOLK, VA 23507. Provide rehabilitation services to narcotic addicts.
N01CP-45608-00 (**) AGTHE, C, LYON, FRANCE. The evaluation of carcinogenic risk of chemicals to man.	N01DA-00031-05 (**) DALLAS REHABILITATION INST, 7850BROOK HOLLOW RD, DALLAS, TEXAS 75235. Rehabilitation services to narcotic addicts.
N01CP-45609-00 (**) PARKER, RENO, HAMILTON, MONTANA. Supply P3 and cell walls from mycobacterium bovis.	R01DA-00033-06 (NAD) JONES, REESE T, UNIVERSITY OF CALIFORNIA, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Effects of marijuana on perception and cognition (human).
N01CP-45610-00 (**) LEHNINGER, ALBERT L, BALTIMORE, MARYLAND. Studies of mammalian cell transport system.	R01DA-00037-06 (NAD) WAY, E LORNG, UNIVERSITY OF CALIF SCH OF MED, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Narcotic tolerance and physical dependence mechanisms (mice).
N01CP-45611-00 (**) HARE, JOHN D, ROCHESTER, NEW YORK. Characterization and study of transport systems in neoplastic cells (mammals).	R01DA-00043-05 (NAD) ELINSON, JACK, BLACK MEDICAL RESEARCH BLDG, 630 WEST 168TH STREET, NEW YORK, N Y. A study of teen-age drug behavior.
N01CP-45612-00 (**) COLTEN, HARVEY R, BOSTON, MASSACHUSETTS. In vitro synthesis of complement components (human, guinea pigs).	R01DA-00047-05 (NAD) SCHUSTER, CHARLES R, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Self-administration of psychomotor stimulants (monkeys, rats).
N01CP-45615-01 (**) CASTO, BRUCE C, NORTHBROOK, ILLINOIS. In vitro interaction between chemical and viral carcinogens.	R01DA-00048-04 (NAD) HUGHES, PATRICK H, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Epidemiologic field team for drug dependence (Chicago).
N01CP-45616-00 (**) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Workshop on the geochemical environment in relation to health and disease.	R01DA-00053-02 (NAD) WELCH, BRUCE L, FRIENDS OF PSY RESEARCH, INC, 52 WADE AVENUE, BALTIMORE, MD. Amphetamine, nervous stimulation and brain amines (mice).
N01CP-45617-00 (**) YAGER, ROBERT, WASHINGTON, DISTRICT OF COLUMBIA. Partial support for the institute for laboratory animal resources.	R01DA-00054-03 (NAD) NEWMAN, WILLIAM, LEHIGH UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BETHLEHEM, PA. Student drug use and its personality correlates.
N01CP-45618-00 (**) STAMPFELI, SHEILA, WASHINGTON, DISTRICT OF COLUMBIA. Conference for physical and chemical carcinogenesis.	R01DA-00055-04 (NAD) KLEBER, HERBERT D, 34 PARK STREET, NEW HAVEN, CONN. Therapeutic explorations with adolescents-Project community.
N01CP-45619-00 (**) VOGTHEES, JOHN J, ANN ARBOR, MICHIGAN. Purification of epidermal chalone (rats).	R01DA-00057-04 (NAD) ELLINWOOD, EVERETT H, JR, DUKE MEDICAL CENTER, BOX 3355, DURHAM, N C. Chronic amphetamine intoxication-A multidisciplinary approach (cats, monkeys).
N01CP-45621-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Carcinogenesis abstracts input to computer system.	R01DA-00061-04 (NAD) MULE, SALVATORE J, NACC TESTING & RESEARCH LAB, 80 HANSON PLACE, BROOKLYN, N Y. Disposition and metabolism of tritiated DL-methadone (humans, dogs, rats).
N01CP-45622-00 (**) STEPHEN, W F, BROOKLANDVILLE, MARYLAND. Tobacco smoke constituents (animals).	N01DA-00063-06 (**) COMMUNITY PSYCHIATRIC CLINIC, 1107 N E 45TH ST. Treatment of narcotic addicts.
N01CP-45623-00 (**) PINE, DAVID, WALTHAM, MASSACHUSETTS. Development and application of methods of N-nitroso compounds.	
N01CP-45624-00 (**) STAMPFELI, SHEILA, WASHINGTON, DISTRICT OF COLUMBIA. Conference for support.	
N01CP-50053-18 (**) FELLER, WILLIAM F, WASHINGTON, DISTRICT OF COLUMBIA. Human breast cancer studies.	
N01CP-51029-14 (**) BLANK, FRITZ, PHILADELPHIA, PENNSYLVANIA. Carcinogenicity of fungal mycotoxins.	
N01CP-60902-11 (**) YOHN, DAVID S, LOUISVILLE, KENTUCKY. Produce simian foamy virus reagents and antisera.	
N01CP-60914-13 (**) ATHEY, WILBUR L, BETHESDA, MARYLAND. Operation of BALB/c mouse colony.	
N01CP-81010-10 (**) PATTILO, ROLAND A, MILWAUKEE, WISCONSIN. Human trophoblast cell line.	
N01CP-81030-11 (**) GARDNER, MURRAY B, LOS ANGELES, CALIFORNIA. Etiology and epidemiology of human cancer.	
N01CP-90040-08 (**) FRENKEL, EUGENE P, DALLAS, TEXAS. Dallas-Fort Worth Cancer Survey.	
N01CP-90041-13 (**) BRENNAN, MICHAEL J, DETROIT, MICHIGAN. Third National Cancer Survey.	
N01CP-90043-10 (**) REDMOND, CAROL K, PITTSBURG, PENNSYLVANIA. Third National Cancer Survey.	
N01CP-90047-11 (**) COONEY, JAMES P, ATLANTA, GEORGIA. Third National Cancer Survey.	
N01CP-90049-09 (**) PEACOCK, PETER B, BIRMINGHAM, ALABAMA. Third National Cancer Survey.	
N01CP-90072-08 (**) MARTINEY, ISIDORE, SAN JUAN, PUERTO RICO. Cancer survey in the Puerto Rico area.	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01DA-00064-03 (NAD) KANDEL, DENISE B.**, BIOMETRICS RESEARCH, 722 WEST 168 STREET, NEW YORK, N.Y. Family processes in adolescent drug use.
- R01DA-00065-04 (NAD) SMITH, GENE M.**, ERICH LINDEMANN MENT HLTH CTR, GOVERNMENT CENTER, BOSTON, MASS. Drugs and personality (children).
- N01DA-00066-03 (**)** CATHOLIC SOCIAL SERVICES, DIOCESE OF OAKLAND, 433 JEFFERSON ST, OAKLAND, CALIFORNIA 94607. Rehabilitation services to narcotic addicts.
- R01DA-00067-04 (NAD) VACHON, LOUIS**, BOSTON UNIVERSITY, 720 HARRISON AVENUE, SUITE 605, BOSTON, MASS. Marijuana effects on lung and electroencephalogram (human).
- R01DA-00069-04 (NAD) FORNEY, ROBERT B.**, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Toxicology of marijuana in animals and man.
- N01DA-00072-04 (**)** NARC SERV COUNCIL, 2305 ST LOUIS AVE, ST LOUIS MISSOURI 63106. Provide rehabilitation services to narcotic addicts.
- R01DA-00073-04 (NAD) VOLAVKA, JAM**, NEW YORK MEDICAL COLLEGE, 5 EAST 102 STREET, NEW YORK, N.Y. Opiate effects on brain function and behavior (human).
- R01DA-00083-04 (NAD) MADDUX, JAMES F.**, UNIV OF TEXAS MEDICAL SCHOOL, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Addiction careers of San Antonio addicts.
- R01DA-00084-02 (NAD) IRWIN, SAMUEL**, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Effects of long term drug dependence (human).
- R01DA-00087-04 (NAD) CLOUET, DORIS H.**, DACC TESTING & RESEARCH LAB, 80 HANSON PLACE, BROOKLYN, N.Y. Control of protein synthesis in brain by narcotics (rats).
- R01DA-00092-03 (NAD) CROWLEY, THOMAS J.**, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Stimulant and sedative effects on animal aggression (monkeys).
- R01DA-00093-04 (NAD) FENIMORE, DAVID C.**, TEXAS RES INST OF MENTAL SCI, 1300 MOURSUND AVE, HOUSTON, TEX. Ultramicrodetermination of marijuana metabolites.
- R01DA-00093-04 (NAD) BLACKFORD, LILIAN S.**, DEPT OF PUBLIC HEALTH & WEL, 225 37TH AVENUE, SAN MATEO, CALIF. Drug use surveillance-San Mateo County Schools.
- R01DA-00096-03 (NAD) NICHOLS, WARREN W.**, INSTITUTE FOR MEDICAL RESEARCH, COPEWOOD ST, CAMDEN, N.J. Effects of the abuse drug, marijuana, on human chromosomes.
- R01DA-00097-03 (NAD) BLUM, RICHARD H.**, STANFORD UNIVERSITY, INST FOR PUB POLICY ANALYSIS, STANFORD, CALIF. Childrens drug use-Educational and other correlates.
- R01DA-00099-03 (NAD) FISHER, SEYMOUR**, BOSTON UNIV SCHOOL OF MED, 80 E CONCORD STREET, BOSTON, MASS. Marijuana and personality (university students).
- R01DA-00105-03 (NAD) VARDARIS, RICHARD M.**, KENT STATE UNIVERSITY, DEPT OF PSYCHOLOGY, KENT, OHIO. Neuronal and social factors in the abuse of marijuana (rats).
- R01DA-00106-03 (NAD) GROSS, STANLEY J.**, UCLA SCHOOL OF MEDICINE, DEPARTMENT OF PEDIATRICS, LOS ANGELES, CALIF. Immunoassay of THC in the study of drug abuse (human, rat, rabbits).
- N01DA-00109-09 (**)** UNIV MISSISSIPPI, UNIVERSITY, MISSISSIPPI 38677. Production of Cannabis sativa L.
- R01DA-00109-03 (NAD) CICERO, THEODORE J.**, WASHINGTON UNIV SCHOOL OF MED, 4940 AUDUBON AVENUE, ST LOUIS, MO. Morphine tolerance and high sensitivity measurement (rats).
- R01DA-00110-03 (NAD) KERR, FREDERICK W.**, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Studies in control of morphine dependence (monkeys, rats, mice).
- N01DA-00111-04 (**)** YALE UNIV, 333 CEDAR ST, NEW HAVEN, CONN 06510. Training of professional and para-professional persons for drug abuse programs.
- R01DA-00111-02 (NAD) LEHRER, GERARD M.**, MT SINAI SCHOOL OF MED, 11 EAST 100 STREET, NEW YORK, N.Y. Chronic THC-Effects of brain development (mice).
- R01DA-00113-03 (NAD) BOUDIN, HENRY M.**, DRUG PROJECT, 728 EAST UNIVERSITY AVENUE, GAINESVILLE, FLA. Contingency contracting for treatment for drug abuse.
- R01DA-00114-03 (NAD) FORD, DONALD H.**, 450 CLARKSON AVENUE, BROOKLYN, N.Y. Effect of narcotic agents on brain metabolism (rats).
- R01DA-00115-03 (NAD) TRAFONT, CLINTON L.**, UNIVERSITY OF ARIZONA, TUCSON, ARIZ. Effects of opiate withdrawal on learning (rats).
- R01DA-00116-03 (NAD) KLEINSMITH, LEWIS J.**, UNIVERSITY OF MICHIGAN, 1116 NATURAL SCIENCE, ANN ARBOR, MICH. Cellular sites of action of marijuana constituents (rats).
- R01DA-00117-04 (NAD) MARTIN, ARNOLD R.**, WASHINGTON STATE UNIV, COLLEGE OF PHARMACY, PULLMAN, WASH. Stereochemistry of 2-aminotetraol analgesics.
- R01DA-00119-03 (NAD) COLLIER, WALTER V.**, DAYTOP VILLAGE, INC, 54 WEST 40TH STREET, NEW YORK, N.Y. Soc-psych profiles on drug abusers in therapeutic community.
- R01DA-00120-03 (NAD) ADLER, FRANK L.**, PUBLIC HLTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N.Y. Immunological studies on heroin addiction (human, mice).
- R01DA-00121-01 (NAD) GOLDSTEIN, JOEL W.**, CARNEGIE-MELLON UNIVERSITY, PITTSBURGH, PA. Construction of a causal model of student drug use.
- R01DA-00122-03 (NAD) PETERS, MARVIN A.**, LOMA LINDA UNIVERSITY, DEPT OF PHARMACOLOGY, LOMA LINDA, CALIF. Methadone fate in the pregnant subject, fetus and newborn (rats, sheep).
- R01DA-00123-03 (NAD) GRIFFITH, ROLAND R.**, JOHNS HOPKINS UNIVERSITY, 720 RUTLAND AVENUE, BALTIMORE, MD. Drug preference and multiple addiction in the primate.
- R01DA-00124-03 (NAD) HARDMAN, HAROLD F.**, MEDICAL COLLEGE OF WISCONSIN, 561 N15TH STREET, MILWAUKEE, WIS. Hypotensive and hypothermic responses to marijuana (mice, monkeys, cats).
- R01DA-00125-02 (NAD) RINGLE, DAVID A.**, MIDWEST RESEARCH INST, 425 VOLKER BLVD, KANSAS CITY, MO. Immunologic effects of morphine (animals).
- R01DA-00126-03 (NAD) RUMBAUGH, CALVIN L.**, UNIV OF SOUTHERN CALIFORNIA, 1200 NORTH STATE ST, BOX 643, LOS ANGELES, CALIF. Cerebrovascular injury in experimental drug abuse (monkeys).
- R01DA-00127-02 (NAD) SULLIVAN, MAURICE F.**, BATTELLE-NORTHWEST, P O BOX 999, RICHLAND, WASH. A study of chronic marijuana inhalation (dogs).
- R01DA-00130-03 (NAD) WAJDA, ISABEL J.**, NEW YORK STATE RES INST, NEW YORK, N.Y. Addictive drugs and metabolism of CNS transmitters (rats).
- R01DA-00134-03 (NAD) FISHMAN, JACK.**, MONTEFIORE HOSP AND MED CTR, 111 EAST 210 STREET, BRONX, N.Y. Orally effective narcotic antagonists (human).
- R01DA-00135-03 (NAD) CHAPMAN, LORING F.**, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. THC and LSD-Residual effects on social behavior (monkeys).
- R01DA-00137-03 (NAD) MANHEIMER, DEAN I.**, 1909 ADDISON STREET, BERKELEY, CALIF. Drug use related to college and career achievement.
- R01DA-00139-03 (NAD) DENEAU, GERALD A.**, UNIVERSITY OF CALIFORNIA, DEPT OF PHARMACOLOGY, DAVIS, CALIF. Experimental drug abuse (monkeys).
- R01DA-00140-02 (NAD) BRILL, NORMAN G.**, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHIATRY, LOS ANGELES, CALIF. Psychosocial effects of chronic marijuana use (human).
- R01DA-00141-03 (NAD) HARBISON, RAYMOND D.**, VANDERBILT UNIVERSITY, 21ST AVENUE SOUTH, NASHVILLE, TENN. Cannabinoids during pregnancy and interaction with drugs (mice, rats).
- N01DA-00143-05 (**)** BIOSPHERICS, INCORPORATED, 4928 WYACONDA RD, ROCKVILLE, MARYLAND 20853. Training material for teachers on abuse of drugs.
- N01DA-00144-04 (**)** UNIV OKLAHOMA, HEALTH SCIENCES CR, 800 N E 15TH, OKLAHOMA CITY, OKLAHOMA 73104. Short term training courses for health and related professionals.
- R10DA-00154-09 (NAD) WOODS, JAMES H.**, UNIVERSITY OF MICHIGAN MED SCH, DEPT OF PHARMACOLOGY, ANN ARBOR, MICH. Psychopharmacology of drug dependence (monkeys).
- R25DA-00160-03 (DASR) CLOQUET, JOSEPH E.**, SMALL TRIBES ORG-W WASH, INC, 33324 PACIFIC HWY SO, FEDERAL WAY, WASH. Narcotics information program and pilot study (American Indians).
- R25DA-00163-03 (MHSR) BUTYNSKI, WILLIAM**, ALCOHOL AND DRUG ABUSE DIV, STATE OF VERMONT, WATERBURY, VT. Mobilization of Vermont resources for drug education.
- R25DA-00167-02 (MHSR) SHAW, JOHN G, JR.**, SOUTHERN REGIONAL EDUCATION BD, 130 SIXTH STREET, N.W., ATLANTA, GA. Enhancing drug education in the South.
- R25DA-00168-03 (DASR) DOLAN, BARRARA Y.**, PORT WASHINGTON PUBLIC SCHOOLS, 16 BELLEVIEW AVE, PORT WASHINGTON, N.Y. Drug abuse education by TV production process.
- R25DA-00171-03 (DASR) TOPPLER, ALLAN, HELP, INC.**, 81 SCHOOL STREET, GLEN COVE, N.Y. Socio-educational approach to drug abuse.
- R25DA-00172-03 (MHSR) SNYDER, JOHN F.**, SOUTHERN ILLINOIS UNIVERSITY, 905 SOUTH ILLINOIS AVE, CARBONDALE, ILL. Peer-oriented drug abuse educational network.
- R25DA-00174-03 (MHSR) NEMEYER, LAURA**, 33 POND AVENUE, APT 910, BROOKLINE, MASS. Drug education course for public school personnel.
- R25DA-00180-02 (DASR) WEHRLI, PAUL F.**, LAC-USC MEDICAL CENTER, 1200 NORTH STATE STREET, LOS ANGELES, CALIF. Chicano youth drug prevention and treatment project.
- R25DA-00237-02 (MHSR) OSBORNE, JAMES G.**, PROJECT INFO, 9800 S MILLS AVENUE, WHITTIER, CALIF. Project INFO, Inc.
- P01DA-00250-03 (NAD) FREEDMAN, DANIEL X.**, UNIV OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Research center-Studies of drug dependence and abuse.
- P01DA-00250-03 0001 (NAD) FREEDMAN, DANIEL X.** Research center-Studies of drug dependence and abuse-Neurochemistry and neuropharmacology of drugs of abuse-Psychotomimetics.
- P01DA-00250-03 0002 (NAD) FREEDMAN, DANIEL X.** Research center-Studies of drug dependence and abuse-Neurochemistry and pharmacology of morphine and opiates (rats, primates).
- P01DA-00250-03 0003 (NAD) SENDEN, LEWIS S.** Research center-Studies of drug dependence and abuse-Neurochemistry and neuropharmacology of psychomotor stimulants (monkeys).
- P01DA-00250-03 0004 (NAD) MELTZER, HERBERT.** Research center-Studies of drug dependence and abuse-Psychemimetic drugs of abuse and stress on skeletal muscle (rats, monkeys).
- P01DA-00250-03 0005 (NAD) ZUSPAM, FREDERICK P.** Research center-Studies of drug dependence and abuse-Intrauterine environment in drug addiction pregnancy (human).
- P01DA-00250-03 0006 (NAD) ROTH, LLOYD J.** Research center-Studies of drug dependence and abuse-Autoradiography of psychopharmacological agents (rats, mice).
- P01DA-00250-03 0007 (NAD) BOGGAN, WILLIAM O.** Research center-Studies of drug dependence and abuse-Audlegenic seizure susceptibility and psychoactive compounds (animals).
- P01DA-00250-03 0008 (NAD) FITCH, FRANK W.** Research center-Studies of drug dependence and abuse-Analysis of biological effects of antibodies against morphine (rabbit, mice, dog).
- P01DA-00250-03 0009 (NAD) RENAULT, PIERRE F.** Research center-Studies of drug dependence and abuse-Mechanisms underlying cardiovascular effects of marijuana (human, dogs).
- P01DA-00250-03 0010 (NAD) APPEL, JAMES B.** Research center-Studies of drug dependence and abuse-Behavioral and perceptual effects of drugs (human, animals).
- P01DA-00250-03 0011 (NAD) SCHUSTER, CHARLES R.** Research center-Studies of drug dependence and abuse-Animal models of drug dependence (monkeys).
- P01DA-00250-03 0012 (NAD) RENAULT, PIERRE F.** Research center-Studies of drug dependence and abuse-Human behavioral pharmacology.
- P01DA-00250-03 0013 (NAD) RICHTER, WARD R.** Research center-Studies of drug dependence and abuse-Morphological and functional toxicity of methamphetamine (monkeys).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- P01DA-00250-03 0014 (NAD) AMAROSE ANTHONY P. Research center-Studies of drug dependence and abuse-Psychotropic drugs and chromosomal aberrations (rabbits).
- P01DA-00250-03 0015 (NAD) SENAY, EDWARD C. Research center-Studies of drug dependence and abuse-Studies in the Illinois drug abuse program.
- P01DA-00250-03 0016 (NAD) HUGHES, PATRICK M. Research center-Studies of drug dependence and abuse-Epidemiologic studies in drug dependence.
- P01DA-00250-03 0017 (NAD) KAISTHA, KRISHAN K. Research center-Studies of drug dependence and abuse-Detection of drugs of abuse in biological fluids.
- P01DA-00250-03 0018 (NAD) SENAY, EDWARD C. Research center-Studies of drug dependence and abuse-Narcotic addiction in pregnant women and newborns.
- P01DA-00250-03 0019 (NAD) GOLDIAMDOND, ISRAEL. Research center-Studies of drug dependence and abuse-Operant self-control procedures-Intervention, research in addiction (human).
- P01DA-00250-03 0020 (NAD) RENAULT, PIERRE F. Research center-Studies of drug dependence and abuse-Methadone and stress.
- P01DA-00254-03 (NAD) SWAIN, HENRY M, UNIVERSITY OF MICHIGAN, M6322 MEDICAL SCIENCE BLDG I, ANN ARBOR, MICH. Drug abuse basic research center.
- P01DA-00254-03 0001 (NAD) VILLARREAL, JULIAN E. Drug abuse basic research center-Dependence upon narcotic analgesics and antagonists (monkeys, guinea pigs).
- P01DA-00254-03 0002 (NAD) WOODS, JAMES H. Drug abuse basic research center-Self-administration of drugs by Rhesus monkeys.
- P01DA-00254-03 0003 (NAD) SMITH, CHARLES B. Drug abuse basic research center-Effects of drugs on synthesis of neuro-humoral transmitters (monkeys).
- P01DA-00254-03 0004 (NAD) MEDZHIRADSKY, PEBODOR. Drug abuse basic research center-Biological transport and biochemical effects of CNS drugs (animals).
- P01DA-00254-03 0005 (NAD) MURRAY, WILLIAM J. Drug abuse basic research center-Interactions between centrally-acting drugs (dogs).
- P01DA-00257-03 (NAD) MEYER, ROGER E, MC LEAN HOSPITAL, 115 MILL ST, BELMONT, MASS. Center for behavioral studies in addictions.
- P01DA-00257-03 0001 (NAD) MEYER, ROGER E. Center for behavioral studies in addictions-Biobehavioral studies of addictive disorders in man.
- P01DA-00257-03 0002 (NAD) MEYER, ROGER, E. Center for behavioral studies in addictions-Biobehavioral studies of addictive disorders in experimental animals.
- P01DA-00257-03 0003 (NAD) MEYER, ROGER E. Center for behavioral studies in addictions-Biogenic amines and relationship to addiction process and treatment (human, rats).
- P01DA-00259-03 (NAD) CICERO, THEODORE J, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Drug abuse research center.
- P01DA-00259-03 0001 (NAD) CICERO, THEODORE J. Drug abuse research center-Biogenic amines-Relation to tolerance and dependence on narcotics (rats).
- P01DA-00259-03 0002 (NAD) CICERO, THEODORE J. Drug abuse research center-Effects of morphine on brain protein synthesis (rats).
- P01DA-00259-03 0002 (NAD) CICERO, THEODORE J. Drug abuse research center-Effects of morphine on brain metabolism substrates (mice).
- P01DA-00259-03 0004 (NAD) CICERO, THEODORE J. Drug abuse research center-Ultrastructural changes during chronic morphine treatment (rats).
- P01DA-00259-03 0005 (NAD) CICERO, THEODORE J. Drug abuse research center-Neuroanatomical correlates (rats).
- P01DA-00259-03 0006 (NAD) CICERO, THEODORE J. Drug abuse research center-Effects of morphine on representative cerebral enzymes (rats).
- P01DA-00263-03 (NAD) MANDRELL, ARNOLD J, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Neurobiological mechanisms of adaptation to drugs of abuse (human, rats).
- P01DA-00264-03 (NAD) SNYDER, SOLOMON H, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Johns Hopkins drug abuse research center.
- P01DA-00264-03 0001 (NAD) SNYDER, SOLOMON H. Johns Hopkins drug abuse research center-Amphetamine, brain catecholamines and opiate receptors (rats, guinea pigs).
- P01DA-00264-03 0003 (NAD) RICHELSON, BLIOTT. Johns Hopkins drug abuse research center-Interactions of drugs of abuse and mouse neuroblastoma in tissue culture.
- P01DA-00264-03 0003 (NAD) KUHAR, MICHAEL J. Johns Hopkins drug abuse research center-Central cholinergic neurons and interaction with opiates (rats).
- P01DA-00264-03 0004 (NAD) ANNAU, ZOLTAN. Johns Hopkins drug abuse research center-Central reward mechanisms-Drug interactions (rats, monkeys).
- P01DA-00265-03 0005 (NAD) HARRIS, ALAN H. Johns Hopkins drug abuse research center-Behavioral pharmacology of narcotics antagonists (primates).
- R01DA-00276-07 (NAD) HERRIOTT, ROGER M, THE JOHNS HOPKINS UNIV, CHARLES AND 34TH STREETS, BALTIMORE, MD. Effects of prenatal malnutrition on drug sensitivity.
- R01DA-00289-02 (NAD) TAKEMORI, AKIRA E, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Mechanism of narcotic action tolerance and dependence.
- R01DA-00290-02 (NAD) BAKER, PETER C, CLEVELAND STATE UNIVERSITY, EUCLID AT 24TH ST, CLEVELAND, OHIO. Effects of LSD upon embryonic and maturing brain (mice).
- R01DA-00291-02 (NAD) KRAMER, JOHN C, REGENTS OF UNIV OF CALIFORNIA, IRVINE, CALIF. History of opiate dependence.
- R01DA-00296-01 (NAD) ROSECRANS, J A, MEDICAL COLLEGE OF VIRGINIA, BOX 726, RICHMOND, VA. Effects of acute and chronic methadone treatment (rats).
- R01DA-00298-02 (NAD) BURSTEIN, SUMNER H, WORCESTER FDN FOR EXPR BIOL, 222 MAPLE AVENUE, SHREWSBURY, MASS. Metabolism of marijuana in (human, rabbits).
- R01DA-00308-02 (NAD) VOSS, EDWARD W, JR, UNIVERSITY OF ILLINOIS, 131 BURRILL HALL, URBANA, ILL. Immunology of drug action and neutralization (rabbits).
- R01DA-00319-01 (NAD) BUZBAUM, DANIEL M, TENNESSEE NEUROPSYCH INST, 1501 MURFREESBORO ROAD, NASHVILLE, TENN. Ach turnover-Role in morphine and amphetamine activity (rats).
- R01DA-00322-01 (NAD) GOLDSTEIN, DOBA B, STANFORD UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, STANFORD, CALIF. Physical dependence on barbiturates (mice).
- R01DA-00323-01 (NAD) SHUSTER, LOUIS, TUFTS UNIVERSITY, 136 HARRISON AVE, BOSTON, MASS. Biochemical effects of perinatal narcotic addiction.
- R01DA-00325-02 (NAD) FINNEGAN, LORETTA P, PHILADELPHIA GENERAL HOSPITAL, 700 CMIC CENTER BLVD, PHILADELPHIA, PA. Narcotic addiction during pregnancy and its sequelae (human).
- R01DA-00346-01 (NAD) KAEHLER, RALPH, UNIV OF UTAH COLL OF MED, SALT LAKE CITY, UTAH. Anticonvulsant properties of marijuana and surrogates (rats, mice).
- R01DA-00346-01 (NAD) WAZIRI, RAJIO, STATE PSYCHOPATHIC HOSPITAL, 500 NEWTON ROAD, IOWA CITY, IOWA. Marijuana and morphine effects on cultured neurons (animals).
- R01DA-00321-02 (NAD) MUSACCHIO, JOSE M, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Mechanisms of narcotic tolerance and dependence (guinea pigs, rats, dogs, mice).
- R01DA-00355-02 (NAD) FERRARO, DOUGLAS P, DEPT OF PSYCHOLOGY, UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, N MEX. Marijuana and behavior-Long-term interactions (rats, monkeys).
- R01DA-00067-01 (NAD) JACQUET, YASUKO F, N Y STATE RES IRS NEURO DR AD, WARDS ISLAND, NEW YORK, N Y. Morphine-CNS sites of analgesia and addiction (rats).
- R01DA-00388-01 (NAD) BECK, EDWARD C, VETERANS ADMINISTRATION HOSP, NEUROPSYCHOLOGY LAB (151A), SALT LAKE CITY, UTAH. Evaluation of sustained methadone ingestion (mammals).
- R01DA-00393-03 (NAD) FITCH, FRANK W, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Biological effects of antibodies against morphine (human, cattle, mice, rabbits).
- R01DA-00397-03 (NAD) ROTH, LLOYD J, UNIVERSITY OF CHICAGO, 947 EAST 58TH STREET, CHICAGO, ILL. Narcotic agonist antagonist relationship in brain (mice).
- R01DA-00407-02 (NAD) CURTIS, THOMAS B, UNIVERSITY OF NORTH CAROLINA, DEPT OF PSYCHIATRY, CHAPEL HILL, N C. Drug rehabilitation-Counter-culture religious cults.
- R01DA-00415-03 (NAD) SAVAGE, CHARLES, FRIENDS MED SCIENCE RES CENT, BALTIMORE, MD, BALTIMORE, MD. Studies of selected agonists and antagonist.
- R01DA-00433-02 (NAD) HO, BENG T, TEXAS RES INST OF MENTAL SCIS, 1300 MOURSUND AVENUE, HOUSTON, TEX. Novel approach for amphetamine antagonism (rats).
- R01DA-00451-01 (NAD) FUJIMOTO, JAMES M, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Metabolism-response to naloxone and naltrazone.
- R03DA-00521-01 (MSM) MORTER, RAYMOND L, PURDUE UNIVERSITY, SCH OF VETERINARY SCI & MED, WEST LAFAYETTE, IND. Immunossay for detection of abused drug (rabbits, goats).
- R01DA-00532-02 (NAD) SPARBER, SHILDON B, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Biochemical psychopharmacology of abused drugs (rats).
- R01DA-00538-01 (NAD) VANDERWENDE, CHRISTINA, RUTGERS UNIVERSITY, COLLEGE OF PHARMACY, NEW BRUNSWICK, N J. Thiamine deficiency (rats, mice).
- R25DA-00546-03 (MHSR) MAYER, JOSEPH, WASHINGTONIAN CTR FOR ADDICTS, 41 MORTON ST, BOSTON, MASS. Coordinated inter-agency drug abuse training.
- R25DA-00548-03 (DASR) BROTMAN, RICHARD E, NEW YORK MEDICAL COLLEGE, FIFTH AVE AT 106TH STREET, NEW YORK, N Y. A community drug education program.
- R01DA-00555-01 (NAD) SPRATT, JAMES L, UNIVERSITY OF IOWA, DEPT OF PHARMACOLOGY, IOWA CITY, IOWA. Abuse drugs-disposition, metabolism and receptors (rodents).
- R01DA-00564-02 (NAD) LOH, HORACE H, UNIV OF CALIFORNIA, LANGLEY PORTER NEUROPSYCH INST, SAN FRANCISCO, CALIF. Morphine analgesia and addiction-Neurochemical correlates (mice, rats).
- R01DA-00565-01 (NAD) GILDBENBERG, PHILIP L, UNIVERSITY OF ARIZONA, DEPARTMENT OF SURGERY, TUCSON, ARIZ. Physiologic mechanisms of narcotic withdrawal (rats).
- R01DA-00564-02 (NAD) HUBER, GARY L, BOSTON CITY HOSPITAL, 774 ALBANY STREET, BOSTON, MASS. Biological effect of marijuana on lung.
- R01DA-00568-01 (NAD) LORRENS, STANLEY A, UNIVERSITY OF BERGEN, ARSTADVEI 19, 5000, BERGEN, NORWAY. Effects of drugs on neural reinforcement processes.
- R01DA-00584-01 (NAD) SMALL, JOYCE G, LARUE D CARTER MEMORIAL HOSP, 1315 WEST TENTH STREET, INDIANAPOLIS, IND. EEG and neurophysiological studies of covert drug abuse.
- R01DA-00605-01 (NAD) COMN, MAJOR L, MAGEE-WOMENS HOSPITAL, FORBES AVENUE AND HARKET ST, PITTSBURGH, PA. Cyclic AMP-antidote to hypnotic drug overdose.
- R01DA-00512-01 (NAD) GRABOWSKI, JOHN G, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVE, LOS ANGELES, CALIF. Antagonism of orally self administered drugs effects.
- R01DA-00640-01 (NAD) LEGATOR, MARVIN S, ROGER WILLIAMS GENERAL HOSP, 825 CHALKSTONE AVENUE, PROVIDENCE, R I. Mutagenicity studies with 9-tetrahydro-cannabinol (rats, mice, monkeys).
- R25DA-00682-02 (MHSR) DUCA, ALFRED M, 8 ARLINGTON STREET, GLOUCESTER, MASS. Careers in change.
- R01DA-00666-01 (NAD) RICHMAN, ALEX, M J BERNSTEIN INSTITUTE, 307 SECOND AVENUE, NEW YORK, N Y. Epidemiologic studies of heroin addicts.
- R01DA-00667-02 (NAD) HARRIS, ROBERT T, BAYLOR COLLEGE OF MEDICINE, TEXAS MEDICAL CENTER, HOUSTON, TEX. Abuse liability and potential toxicity of 9 8 THC.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01DA-00670-01 (NAD) WONG, MARTIN R, UNIVERSITY OF MINNESOTA, 330 BURTON HALL, MINNEAPOLIS, MINN. Cognitive dissonance effects on drug attitudes.
- R25DA-00675-02 (MHSR) HEINECKE, CHARLES M, MINNEAPOLIS HEALTH DEPARTMENT, 250 SOUTH FOURTH STREET, MINNEAPOLIS, MINN. Metro drug awareness.
- R03DA-00678-01 (NAD) DODGE, DAVID L, UNIVERSITY OF NOTRE DAME, DEPT OF SOCIOLOGY & ANTHROP, NOTRE DAME, IND. Dimensions of drug use on a midwest campus.
- R01DA-00684-01 (NAD) EIDELBERG, EDUARDO, ST JOSEPH'S HOSP & MED CTR, 350 W THOMAS ROAD, PHOENIX, ARIZ. Striatal mechanisms in morphine actions.
- R01DA-00687-01 (NAD) SUNSHINE, IRVING, CUYAHOGA CTY CORONER'S OFFICE, 2121 ADELBERT ROAD, CLEVELAND, OHIO. Evaluation of method for drugs analyses.
- R01DA-00095-01 (NAD) ATKINSON, BOLAND M, UNIVERSITY OF CALIFORNIA, DEPT OF PSY & HUMAN BEHAVIOR, IRVINE, CALIF. Subjective effects of nitrous oxide.
- R03DA-00696-01 (NAD) STRAUSS, MILTON E, WAYNE STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, DETROIT, MICH. Early development of narcotics addicted infants.
- R01DA-00697-01 (NAD) DAHL, JUNE L, UNIV OF WISCONSIN MED SCHOOL, 383 MEDICAL SCIENCES BLDG, MADISON WISC. Biochemical mechanisms of narcotic analgesic action (rats).
- R01DA-00700-01 (NAD) VANDENBERGH, JOHN G, DOROTHEA DIX HOSPITAL, BOX 7599, RALEIGH, N C. Abused drugs and social behavior.
- R01DA-00710-01 (NAD) STEBLE, WILLIAM J, UNIVERSITY OF IOWA, DEPT OF PHARMACOLOGY, IOWA CITY, IOWA. Role of RNA and protein metabolism in addiction.
- R01DA-00721-01 (NAD) WILEY, T JOE, SCHOOL OF MED, LOMA LINDA UNIV, LOMA LINDA, CALIF. Acute and chronic methadone effects on brain activity (monkeys, cats).
- R01DA-00722-01 (NAD) MICEK, KLAUS A, CARNEGIE-MELLON UNIVERSITY, DEPT OF PSYCHOLOGY, PITTSBURGH, PA. 9-Tetrahydrocannabinol and aggression.
- R03DA-00723-01 (NAD) DAVIS, WILBUR M, UNIVERSITY OF MISSISSIPPI, DEPT OF PHARMACOLOGY, UNIVERSITY, MISS. Antidotal study of amphetamine intoxication.
- R01DA-00729-01 (NAD) WALLACE, JACK B, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Analysis of pharmacologic agents in biologic specimens.
- R01DA-00730-01 (NAD) STRICKHOLM, ALFRED, INDIANA UNIVERSITY, DEPT OF ANATOMY & PHYSIOLOGY, BLOOMINGTON, IND. Action of drugs on cell membranes.
- R01DA-00731-01 (NAD) FITZPATRICK, JOSEPH P, FORDHAM UNIVERSITY, INSTITUTE FOR SOCIAL RESEARCH, BRONX, N Y. A comparison of Puerto Rican addicts and non-addicts (Puerto Rico, New York).
- R01DA-00732-01 (NAD) KUTT, HENRI, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Methadone dose-plasma level-effect relations in man.
- R01DA-00738-01 (NAD) NUTTALL, RONALD L, 106 WASHINGTON STREET, NEWTON, MASS. Psycho-social precursors of heroin use in Puerto Rico.
- R01DA-00741-01 (NAD) LEVINE, RUTH R, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Physiologic factors in oral drug therapy of addiction.
- R01DA-00742-01 (NAD) GOLDFARB, JOSEPH, MT SINAI SCHOOL OF MED OF CUMY, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Opioids and antagonists-neurophysiological studies (cats, rats).
- R01DA-00743-01 (NAD) GARRETT, EDWARD R, UNIVERSITY OF FLORIDA, COLLEGE OF PHARMACY, GAINESVILLE, FLA. Analyses and pharmacokinetics of drugs of abuse.
- R01DA-00744-01 (NAD) ROBISON, GEORGE A, UNIVERSITY OF TEXAS, 6400 WEST CULLEN, HOUSTON, TEX. Narcotic addiction in relation to hormone action.
- R01DA-00743-01 (NAD) PORRETT, IRVING S, UNIV OF SAN FRANCISCO, 2130 FULTON ST, SAN FRANCISCO, CALIF. New assays for cannabinoids.
- R25DA-00750-02 (MHSR) SIBBEL, MARIAN, HERE'S HELP INC, 14857 NW 7TH AVE, MIAMI, FLA. Project dasein.
- R01DA-00755-01 (NAD) MORGAN, WILLIAM W, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Chronic pentobarbital or methadone-CNS biochemistry (rats).
- R25DA-00767-02 (MHSR) LYNCH, MALLORY B, ROGUE VALLEY CNCL ON AGING, 205 W MAIN STREET, ROOM 218, MEDFORD, OREG. 'US' youth senior drug prevention program.
- R01DA-00770-01 (NAD) LOEW, GRIDA H, STANFORD UNIV MED CENTER, STANFORD, CALIF. Quantum chemical studies of opiate narcotics.
- R25DA-00775-02 (MHSR) KOBCHIN, SHILDON J, UNIVERSITY OF CALIFORNIA, M-11 WHEELER HALL, BERKELEY, CALIF. Teacher training for a program in self-understanding.
- R25DA-00777-01 (MHSR) SOBEL, LANCE R, ALTERNATIVES, INC, 2550 W PETERSON AVENUE, CHICAGO, ILL. Alternatives-Drug abuse prevention and education.
- R01DA-00784-01 (NAD) KLEMM, WILLIAM R, TEXAS A&M UNIVERSITY, BIOLOGY DEPARTMENT, COLLEGE STATION, TEX. Narcotic effects on nerve impulse activity in the brain.
- R01DA-00787-01 (NAD) KELLAM, SHEPPARD G, WOODLAWN MENTAL HEALTH CTR, 841 EAST 63RD STREET, CHICAGO, ILL. Mental health and drug use in adolescence.
- R01DA-00793-01 (NAD) LIGHTY, EDITH G, BATELLE COLUMBUS LABORATORIES, 505 KING AVENUE, COLUMBUS, OHIO. Identification of cannabinoid retained (rats).
- R01DA-00795-01 (NAD) HO, BENG T, TEXAS RES INST OF MNTL SCIS, 1300 MOURSUND AVENUE, HOUSTON, TEX. Cocaine stimulation-Biochemical correlates.
- R01DA-00796-01 (NAD) RICHTER, JUDITH A, INDIANA UNIV MEDICAL CENTER, 1100 WEST MICHIGAN ST, INDIANAPOLIS, IND. Effects of narcotics and barbiturates on brain ACh (rats).
- R01DA-00799-01 (NAD) BURCH, NEIL R, TEXAS RES INST OF MENT SCIS, 1300 MOURSUND, HOUSTON, TEX. The electroencephalogram-Cocaine mechanisms.
- R01DA-00800-01 (NAD) CAPLOVITZ, DAVID, CITY UNIV OF NEW YORK, 33 W 42 ST, NEW YORK, N Y. The worlds of work and drugs.
- R01DA-00801-01 (NAD) BURKS, THOMAS F, UNIV OF TEXAS MED SCH, 6400 WEST CULLEN, HOUSTON, TEX. Central and peripheral narcotic drug actions (mammals nonhuman).
- R01DA-00803-01 (NAD) DAPNY, NACHUM, UNIV OF TEXAS MEDICAL SCH, HOUSTON TEXAS MEDICAL CTR, HOUSTON, TEX. Mechanism narcotic addiction.
- R01DA-00808-01 (NAD) HUG, CARL C, JR, EMORY UNIV MEDICAL SCHOOL, 69 BUTLER ST S E, ATLANTA, GA. Biological disposition of narcotic analgesics in man.
- R01DA-00810-01 (NAD) WILSON, MARVIN C, UNIVERSITY OF MISSISSIPPI, SCHOOL OF PHARMACY, UNIVERSITY, MISS. Determinants of stimulant self administration.
- R01DA-00813-01 (NAD) ACKOFF, RUSSELL L, BUSCH CENTER, 3733 SPRUCE STREET, PHILADELPHIA, PA. A systems approach to the study of drug use.
- R01DA-00815-01 (NAD) GLINN, JOSEPH L, ALBANY MEDICAL COLLEGE, NEW SCOTLAND AVENUE, ALBANY, N Y. Effects of narcotics on brain phosphatides and cytology.
- R25DA-00818-01 (DASR) LENOIR, BARRY C, COLUMBIA HEIGHTS YOUTH CLUB, 16TH AND HARVARD STREETS, N W, WASHINGTON, D C. Early drug abuse intervention.
- R01DA-00826-01 (NAD) ZIMMERMANN, EMERY G, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Pituitary-adrenal function and narcotic addiction (rats, mice).
- R25DA-00827-01 (DASR) MC GRAW, ISAAC B, 2D, REMCA, INCORPORATED, P O BOX 195, 507 LINWOOD AVE, DURHAM, N C. Pilot demonstration drug training program.
- R01DA-00828-01 (NAD) WHITNEY, GLAYDE D, FLORIDA STATE UNIVERSITY, PSYCHOLOGY DEPARTMENT, TALLAHASSEE, FLA. Psychobiological causes of opiate addiction (mice).
- R01DA-00808-01 (NAD) DOMINGO, EDWARD F, UNIV OF MICHIGAN, 6440 MEDICAL SCIENCE I, ANN ARBOR, MICH. Cholinergic mechanisms in narcotic dependence (rats, monkey).
- R01DA-00801-01 (NAD) DE LEON, GEORGE, PHOENIX HOUSE FDM, INC, 164 WEST 74TH STREET, NEW YORK, N Y. Psychologic and socio-demographic profiles of addicts.
- R25DA-00822-01 (DASR) CRESPI, H VICTOR, TOWNSHIP BOARD OF EDUCATION, ADMIN BLDG, SUTTONS LANE, PISCATAWAY, N J. Drug abuse teacher training and prevention.
- R25DA-00807-01 (DASR) GRAHAM, RONALD, HOUSE OF INSIGHT, 541 HIGH STREET, NEWARK, N J. House of insight drug education and prevention program.
- R25DA-00838-01 (DASR) KATSHRUBAS, NICHOLAS G, OPEN DOOR DRUG EDUC CTR, INC, 7713 MAPLE STREET, OFFICE 5, NEW ORLEANS, LA. Open door preventive drug education program.
- R25DA-00841-01 (DASR) DEHOYOS, LEBRADO, 2811 GUADALUPE ST, SAN ANTONIO, TEX. San Antonio youth drug abuse project.
- R01DA-00847-01 (NAD) FIDELL, LINDA S, CALIFORNIA STATE UNIV FDM, 18111 NORDHOFF STREET, NORTHRIDGE, CALIF. Drug use and abuse in women.
- R01DA-00852-01 (NAD) BRUNSWICK, ANN F, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, RM 252, NEW YORK, N Y. Predicting drug use by Harlem youth-feasibility study.
- R01DA-00853-01 (NAD) JOHNSON, WELDON T, UNIVERSITY OF WISCONSIN, 2442 SOCIAL SCIENCE BLDG, MADISON, WIS. Legal and extralegal factors in drug law enforcement.
- R01DA-00854-01 (NAD) ROTH, WALTON T, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Abused drugs and human information processing.
- R25DA-00856-01 (DASR) COOPER, KATHLEEN, SOMERSET FEDERATION OF YOUTH, 95 FRANKLIN ST, SOMERVILLE, N J. Somerset youth drug abuse training program.
- R25DA-00863-01 (DASR) HENDERSON, FRANCES, BELAFONTE TACOLCY CENTER INC, 6161 NW 9TH AVE, MIAMI, FLA. Drug abuse prevention Miami youth AA project.
- R01DA-00866-02 (NAD) GRAY, ALLAN P, IIT RESEARCH INSTITUTE, 10 WEST 35TH STREET, CHICAGO, ILL. Long-acting narcotic antagonist for addiction (dogs, rats).
- R01DA-00869-01 (PPR) GIBB, JAMES W, DEPT OF PHARMACOLOGY, UNIV OF UTAH, SALT LAKE CITY, UTAH. Drug abuse and regulatory enzymes of biogenic amines.
- R03DA-00870-01 (MHSR) PIRCH, JAMES H, UNIVERSITY OF TEXAS, DEPT OF PHARMACOLOGY & TOX, GALVESTON, TEX. Mechanism of sex difference in marijuana response.
- R01DA-00877-01 (PHRA) BURKS, THOMAS F, UNIV OF TEXAS MED SCHOOL, 102 JESSE H JONES LIBRARY BLDG, HOUSTON, TEX. Generalizability of behavioral assessment (human).
- R01DA-00079-01 (NAD) MILLER, LOREN L, ROOM MN371, MED SCIENCE BLDG, UNIV OF KENTUCKY MED CENTER, LEXINGTON, KY. Cannabis-human memory, timing, perception and aggression.
- R01DA-00854-01 (NAD) THOMPSON, TRAVIS I, BOX 392 MAYO, UNIV OF MINNESOTA, MINNEAPOLIS, MINN. Reducing intravenous drug self-administration.
- R01DA-00886-01 (NAD) LOWINGER, PAUL, MODEL NGBRHR DRUG ABUSE PROG, 4707 WOODWARD AVENUE, DETROIT, MICH. Street and clinic experiences of Black opiate users.
- R01DA-00890-01 (NAD) TRAEGER, GEORGE J, UNIVERSITY OF KANSAS, DEPT OF PHARM & TOXICOLOGY, LAWRENCE, KANS. Hepatotoxic potential of solvent and amphetamine abuse.
- R25DA-00892-01 (DASR) CHUA, AUGUSTINE T, IMMIGRANT SOCIAL SERVICE, INC, 137 HENRY STREET, NEW YORK, N Y. Immigrant social service-Youth program.
- R01DA-00895-01 (NAD) HOLLISTER, LEO E, VETERANS ADMINISTRATION HOSP, 3801 MIRANDA AVE, PALO ALTO, CALIF. Clinical pharmacology of narcotic antagonists (human).
- R01DA-00896-01 (NAD) KAPLAN, JOEL M, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Effects of 9-THC on behavioral development.
- R25DA-00899-01 (DASR) LEE, RICHARD A, MODEL CITY ADMINISTRATION, 2401 WASHINGTON STREET, ROXBURY, MASS. Model city drug education program.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01DA-00903-01 (NAD) GREIST, JOHN H, UNIV OF WISCONSIN MED CTR, 1300 UNIVERSITY AVE, MADISON, WISC. Computer interviews for drug abuse risk prediction.	R01DA-01004-01 (NAD) BLUMBERG, HAROLD, NEW YORK MEDICAL COLLEGE, BASIC SCIENCE BUILDING, VALHALLA, N Y. Effect of abuse drugs on efficacy of naltrexone.
R01DA-00904-01 (NAD) DRESSLER, DONALD P, YOUVILLE HOSPITAL, 1575 CAMBRIDGE ST, CAMBRIDGE, MASS. Marijuana-Pulmonary bacterial susceptibility.	R01DA-01004-01 (NAD) GEORGE, ROBERT, UCLA SCH OF MED, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Narcotic addiction and neuroendocrine function (cats, rats).
R01DA-00915-01 (NAD) WILSON, GERALDINE S, BAYLOR COLLEGE OF MED, 1200 MOURSUND AVENUE, HOUSTON, TEX. Maternal narcotic addiction and child development.	R01DA-01015-01 (NAD) MC KEARNEY, JAMES W, WORCESTER FDN FOR EXP BIOLOGY, 222 MAPLE AVENUE, SHREWSBURY, MASS. Behavioral pharmacology of narcotics and narcotic antagonists (human).
R01DA-00918-01 (NAD) JAMES, JENNIFER, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PSYCHIATRY, SEATTLE, WA. Female criminal involvement and narcotics addiction.	R01DA-01022-01 (NAD) GRIFFITHS, ROLAND R, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. Experimental alteration of sedative/stimulant abuse (human).
R01DA-00919-01 (NAD) FOLTZ, RODGER L, BATTLE MEMORIAL INST, 505 KING AVENUE, COLUMBUS, OHIO. Human metabolism of commonly abused psychoactive drugs.	R01DA-01028-01 (NAD) FRANKLIN, RAYMOND, QUEENS COLLEGE, DEPARTMENT OF ECONOMICS, FLUSHING, N Y. Relationship between drug addiction and crime.
R25DA-00921-01 (MHSR) CONNOLLY, NEIL A., THE SENECA CENTER INC, 832-A HUNTS POINT AVE, BRONX, N Y. Center for youth drug prevention in Hunts Point.	R01DA-01032-01 (NAD) MAYER, JOSEPH, WASHINGTONIAN CTR FOR ADDICTIO, 41 MORTON STREET, BOSTON, MASS. Addicting drugs and brain function in humans.
R01DA-00923-01 (NAD) GOLDSTEIN, AVRAAM, ADDICTION RESEARCH FOUNDATION, 701 WELCH ROAD, SUITE 325, PALO ALTO, CALIF. Methadone temporary support using LAAM and naltrexone.	R01DA-01035-01 (NAD) BOGGAN, WILLIAM O, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Neuro-psychopharmacology of methaqualone (human).
R01DA-00926-01 (NAD) ROSENFELD, GARY C, UNIV OF TEXAS HLTH SCI CTR, 6400 WEST CULLEN STREET, HOUSTON, TEX. Mechanisms of narcotic addiction.	R01DA-01037-01 (NAD) KATZ, ROBERT, 7315 WISCONSIN AVE, SUITE 600, ANDRULIS RESEARCH CORP, BETHESDA, MD. Narcotic antagonists-Correlation study.
R01DA-00928-01 (NAD) TURNER, CARLTON E, UNIVERSITY OF MISSISSIPPI, SCHOOL OF PHARMACY, UNIVERSITY, MISS. Investigation of alkaloids in Cannabis sativa L.	R01DA-01044-01 (NAD) GLICK, STANLEY D, MT SINAI SCH OF MEDICINE, 100TH ST & FIFTH AVENUE, NEW YORK, N Y. Neuro-behavioral mechanisms of drug addiction (rats).
R25DA-00931-01 (DASR) FRENCH, EDGAR N, LIVINGSTONE COLLEGE, 701 WEST MONROE STREET, SALISBURY, N C. Drug abuse prevention program.	R01DA-01046-01 (NAD) GOLLUB, LEWIS R, UNIVERSITY OF MARYLAND, DEPARTMENT OF PSYCHOLOGY, COLLEGE PARK, MD. Temporal parameters of stimulant drug reinforcement.
R01DA-00932-01 (NAD) ROSENKRANTZ, H, CLARK UNIVERSITY, 950 MAIN ST, WORCESTER, MASS. Tetrahydrocannabinol effect on the immune response.	R25DA-01047-01 (DASR) CLARK, RONALD C, RAP, INC, 1856 19TH STREET, N W, WASHINGTON, D C. RAP youth alternative learning project.
R01DA-00934-01 (NAD) CASTLES, THOMAS R, MIDWEST RESEARCH INSTITUTE, 425 VOLKER BLVD, KANSAS CITY, MO. Brain chromatin-Its role in analgesic tolerance.	R01DA-01048-01 (NAD) FRIES, DAVID S, UNIVERSITY OF THE PACIFIC, 751 BROOKSIDE ROAD, STOCKTON, CALIF. 2-aminotetraolins as narcotic-antagonists (monkeys, mice).
R25DA-00935-01 (DASR) MORALEZ, LUPE, RAZA DRUG EFFORT, INC, 508 - 11TH STREET, SACRAMENTO, CALIF. Community education project for Mexican-American.	R01DA-01049-01 (NAD) REID, LARRY D, BRADLEY UNIV, PEORIA, ILL. Morphine and the medial forebrain bundle system (rats).
R01DA-00939-01 (NAD) PICKENS, ROY W, UNIVERSITY OF MINNESOTA, BOX 392, MAYO, MINNEAPOLIS, MINN. Experimental studies of sedative abuse (human).	R01DA-01050-01 (NAD) KHAZAN, NAJM, UNIV OF MARYLAND, 636 W LOMBARD STREET, BALTIMORE, MD. EEG REM sleep and imipramine in morphine addiction (rats).
R01DA-00942-01 (NAD) GERBER, NICHOLAS, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Pharmacokinetics of methadone.	R01DA-01053-01 (NAD) MOORE, JOAN W, UNIV OF SOUTHERN CALIFORNIA, CENTER FOR URBAN AFFAIRS, LOS ANGELES, CALIF. Community variations in Chicano ex-addict adaptations.
R01DA-00944-01 (NAD) THOMPSON, TRAVIS I, UNIVERSITY OF MINNESOTA, BOX 392, MAYO, MINNEAPOLIS, MINN. Establishment and elimination of oral drug dependence.	R01DA-01054-01 (NAD) GOLDSTEIN, G S, INDIAN HEALTH SERVICE, 801 VASSAR DRIVE, N E, ALBUQUERQUE, N MEX. Drug abuse among Indian adolescents.
R01DA-00948-01 (NAD) HO, ING K, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PHARMACOLOGY, SAN FRANCISCO, CALIF. Mechanisms of barbiturate tolerance and dependence.	R01DA-01057-01 (NAD) JENDEN, DONALD J, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Drugs of abuse-Pharmacokinetics, metabolism and response.
R01DA-00956-01 (NAD) MONTALVO, JOSEPH G, JR, GULF SOUTH RESEARCH INSTITUTE, POST OFFICE BOX 26500, NEW ORLEANS, LA. Dipstick for morphine in urine (human).	R01DA-01057-01 0001 (NAD) JENDEN, DONALD J. Drugs of abuse-Pharmacokinetics, metabolism and response-Stimulant drugs and minimal brain dysfunction (children).
R01DA-00962-01 (NAD) STICKNEY, JANICE L, DEPT OF PHARMACOLOGY, MICHIGAN STATE UNIV, EAST LANSING, MICH. Cardiovascular effects of l-alpha acetylmehtadol (LAAM).	R01DA-01057-01 0002 (NAD) JENDEN, DONALD J. Drugs of abuse-Pharmacokinetics, metabolism and response-A twin study of response to amphetamine (human).
R03DA-00964-01 (MSM) KAY, EDWIN J, LEHIGH UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BETHLEHEM, PA. THC effects-Determination of non-aversive dosages (rats).	R01DA-01057-01 0003 (NAD) JENDEN, DONALD J. Drugs of abuse-Pharmacokinetics, metabolism and response-Methadone maintenance, pharmacokinetics and response (human).
R03DA-00965-01 (MSM) JACOBY, RONALD L, FERRIS STATE COLLEGE, 901 SOUTH STATE STREET, BIG RAPIDS, MICH. Structural requirements for narcotic antagonists.	R01DA-01057-01 0005 (NAD) JENDEN, DONALD J. Drugs of abuse-Pharmacokinetics, metabolism and response-Amphetamines and related compounds (rats).
R03DA-00966-01 (MSM) HITE, GILBERT J, SCHOOL OF PHARMACY BOX 92, UNIV OF CONNECTICUT, STORRS, CONN. Narcotic antagonists.	R01DA-01057-01 0006 (NAD) JENDEN, DONALD J. Drugs of abuse-Pharmacokinetics, metabolism and response-Analytical methodology (human).
R25DA-00969-01 (DASR) SMALL, MARK E, EASTERN MONTANA COLLEGE, 1500 N 30TH STREET, BILLINGS, MONT. Indian drug abuse research.	R01DA-01059-01 (NAD) CALLAHAN, EDWARD J, CAMARILLO-NEUROPSY MST PROG, CAMARILLO STATE HOSPITAL BOX A, CAMARILLO, CALIF. Behavior therapy and naltrexone for narcotic addiction.
R01DA-00972-01 (NAD) GOLDSTEIN, AVRAAM, ADDICTION RESEARCH FOUNDATION, 701 WELCH ROAD, SUITE 325, PALO ALTO, CALIF. Biochemical mechanism in drug addiction (mice, guinea pig).	R01DA-01061-01 (NAD) GOULD, LEROY C, CENTER FOR SURVEY RESEARCH, 17 KOSSUTH ST, NEW HAVEN, CONN. Analysis of a three year adolescent drug-use survey.
R01DA-00974-01 (NAD) KENNEDY, JOHN G, NEUROPSYCHIATRIC INSTITUTE, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. Psychosocial study of Qat use in North Yemen.	R25DA-01067-01 (DASR) YAZZIE, JOHNSON, NAVAJO DRUG ABUSE EDUCATION PR, P O BOX 589, FORT DEFIANCE, ARIZ. Drug abuse education projects (Indians).
R01DA-00975-01 (NAD) LINN, MARGARET W, VETERANS ADMINISTRATION HOSP, 1201 N W 16 STREET, MIAMI, FLA. Treatment for substance abuse program dropouts.	P01DA-01070-01 (NAD) BENTLER, PETER M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, LOS ANGELES, CALIF. Adolescent drug abuse etiologies.
R25DA-00977-01 (DASR) CYPRESS, BILLY, MICCOSUKEE TRIBE OF FLORIDA, P O BOX 440021 TAMIAI STATION, MIAMI, FLA. Miccosukee Indian drug education program.	P01DA-01073-01 (NAD) WEPPIER, ROBERT S, UNIVERSITY OF MIAMI, P O BOX 520875 BISCAYNE ANNEX, MIAMI, FLA. Center, theoretical social research on drug abuse.
R13DA-00980-01 (NAD) KELLEHER, ROGER T, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Conference-Schedule controlled drug-taking behavior.	P01DA-01080-01 (NAD) KHAVARI, KHALIL A, UNIVERSITY OF WISCONSIN-MILWAU, 3401 N DOWNER AVENUE, MILWAUKEE, WIS. Psychosocial investigation of drug abuse in industry.
R01DA-00981-01 (NAD) MAHLBERG, PAUL G, INDIANA UNIV, BLOOMINGTON, IND. Morphology and cannabinoid localization in cannabis.	R01DA-01095-01 (NAD) SADBIE, WOLFGANG, 926 MEDICAL SCIENCES BLDG, UNIV OF CALIFORNIA, SAN FRANCISCO, CAL. Kinetics of heroin, morphine and biogenic amines.
R01DA-00990-01 (NAD) SUNSHINE, IRVING, CUYAHOGA CNTY CORONER'S OFFICE, 2121 ADELBERT ROAD, CLEVELAND, OHIO. Disposition of drugs of abuse in man.	P01DA-01097-01 (NAD) JOSEPHSON, ERIC, BLACK MEDICAL RESEARCH BLDG, 630 WEST 168TH STREET, NEW YORK, N Y. Center for socio-cultural research on drug use.
R01DA-00991-01 (NAD) JANDHYALA, BHAGAVAN S, UNIVERSITY OF HOUSTON, 3801 CULLEN BLVD, HOUSTON, TEX. Chronic cardiovascular effects of marijuana (dogs).	P01DA-01097-01 0001 (NAD) LUKOFF, IRVING F. Center for socio-cultural research on drug use-Ethnic/class influence on drug use.
R03DA-00993-01 (MSM) HAJDLER, HENRY J, EMORY UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, ATLANTA, GA. Morphine-Direct effects on neurons (rats).	P01DA-01097-01 0002 (NAD) KANDEL DENISE. Center for socio-cultural research on drug use-Peer/family influence on drug use.
R01DA-00995-01 (NAD) WOLPE, JOSEPH, EASTERN PENN PSY INST, HENRY AVE & ABBOTSFORD RD, PHILADELPHIA, PA. Treatment of narcotic addiction by inhibition of craving (human).	P01DA-01097-01 0003 (NAD) JOSEPHSON, ERIC. Center for socio-cultural research on drug use-Contextual influence on drug use.
R01DA-01001-01 (NAD) DOMINO, EDWARD P, 6440 MEDICAL SCIENCE BLDG I, UNIV OF MICHIGAN, ANN ARBOR, MICH. Marijuana constituents on brain acetylcholine (rats, monkeys).	P01DA-01097-01 0004 (NAD) BRUNSWICK, ANN F. Center for socio-cultural research on drug use-Health and psychosocial factors in drug behavior.
R01DA-01002-01 (NAD) KIBBE, ARTHUR H, UNIVERSITY OF MISSISSIPPI, DEPARTMENT OF PHARMACEUTICS, UNIVERSITY, MISS. Pharmacodynamics of stimulant self-administration (monkeys).	P01DA-01097-01 0005 (NAD) COMTAS, LAMBROS. Center for socio-cultural research on drug use-Anthropological studies.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01DA-01097-01 0006 (NAD) ELINSON, JACK.** Center for socio-cultural research on drug use-Comparative analysis of drug behavior among Puerto Ricans.
- P01DA-01097-01 0007 (NAD) LUKOFF, IRVING F.** Center for socio-cultural research on drug use-Migration and drug use.
- P01DA-01097-01 0008 (NAD) JOSEPHSON, ERIC.** Center for socio-cultural research on drug use-Monitoring trends in prevalence and incidence of drug use.
- P01DA-01097-01 0009 (NAD) LUKOFF, IRVING F.** Center for socio-cultural research on drug use-Methodological studies.
- P01DA-01097-01 0010 (NAD) KANDEL DENISE.** Center for socio-cultural research on drug use-Critical panel study.
- P01DA-01097-01 0011 (NAD) LUKOFF, IRVING F.** Center for socio-cultural research on drug use-Copping area response to 1973 New York State law.
- P01DA-01097-01 0012 (NAD) JOSEPHSON, ERIC.** Center for socio-cultural research on drug use-Adolescent drug behavior in selected US ethnic groups.
- P01DA-01097-01 0013 (NAD) JOSEPH, ERIC.** Center for socio-cultural research on drug use-Follow up studies of high school students.
- P01DA-01097-01 0014 (NAD) COMITAS, LAMBROS.** Center for socio-cultural research on drug use-Anthropological studies.
- P01DA-01097-01 0015 (NAD) KANDEL DENISE.** Center for socio-cultural research on drug use-Comparative study of drug behavior in Israel.
- P01DA-01097-01 0016 (NAD) JOSEPHSON, ERIC.** Center for socio-cultural research on drug use-Drug policy abroad.
- P01DA-01097-01 0017 (NAD) ZANES, ANNE.** Center for socio-cultural research on drug use-Study of opinion leads.
- R18DA-01103-01 (NSS) LUKOFF, IRVING F., COLUMBIA UNIV., SCH SOC WORK, 622 W 113 ST, NEW YORK, N. Y.** Ethnicity, socialization and multiple drug use.
- R18DA-01104-01 (NSS) CHAMBERS, CARL D., UNIV OF MIAMI, P O BOX 875 BISCAYNE ANNEX, MIAMI, FLA.** Impact of drug use in families.
- R25DA-01106-01 (DASR) CEBOLLERO, ANGELES, DEPT OF ADDICTION SERVICES, POST OFFICE BOX 1276, HATO REY, PUERTO RICO.** Training program for human behavior workers.
- R01DA-01119-01 (NAD) STANTON, MORRIS D., PHILA CHILD GUIDANCE CLINIC, 34TH ST & CIVIC CENTER BLVD, PHILA, PA.** Family characteristics and therapy of heroin addict.
- R01DA-01120-01 (NAD) ROBINS, LEE N., WASHINGTON UNIV SCH OF MED, 4940 AUDUBON AVE, ST LOUIS, MO.** Vietnam veterans three years later.
- R01DA-01121-01 (NAD) O'DONNELL, JOHN A., UNIV OF KENTUCKY, LEXINGTON, KY.** A study of drug use among young American males.
- N01DA-10015-02 (***) UNIV NEW MEXICO, ALBUQUERQUE, NEW MEXICO 87106.** Long-term effects of marijuana in chimpanzees.
- N01DA-10017-05 (***) RIO GRANDE STATE CR MH, 2115 NO 28TH ST, HARLINGEN, TEXAS 78550.** Rehabilitation services to narcotic addicts.
- N01DA-10033-04 (***) BOARD OF SUPERVISORS, COUNTY OF FAIRFAX, 4100 CHAIN BRIDGE RD, FAIRFAX, VIRGINIA 22030.** Provide rehabilitation services to narcotic addicts.
- N01DA-10047-02 (***) PENINSULA FAMILY SERV TRAV AID, 3015 WEST AVE, PO BOX 305, NEWPORT NEWS, VA.** Services to narcotic addicts.
- N01DA-10048-04 (***) ARIZONA FAMILY INC, 48FOOTHILL DRIVE, PHOENIX, ARIZ 85020.** In-patient treatment of narcotic addicts.
- N01DA-10079-02 (***) MASON RES INST, HARVARD ST, WORCESTER MASS 01608.** Toxicity studies of marijuana compounds.
- N01DA-10089-03 (***) UNIV CALIFORNIA, 405 HILGARD AVE.** Determine effects of natural and synthetic marijuana in humans.
- N01DA-10092-02 (***) RES TRIANGLE INST, P O BOX 12194, RES TRIANGLE PARK, N.C. 27709.** Standardized dosage form of cannabis and cannabinoids (rabbits).
- N01DA-10093-02 (***) BUR SOCIAL SCI RES, INC, 1200 17TH ST, N W, WASHINGTON, D C.** Study drug abuse education facilitators and consultants.
- N01DA-10093-02 (***) RES TRIANGLE INST, P O BOX 12194, RES TRIANGLE PARK, N. C..** Quantitative determination of cannabinoids in body fluids (human).
- N01DA-10102-04 (***) UNIV MIAMI, CORAL GABLES, FLORIDA 33124.** Training for drug abuse programs personnel.
- N01DA-10103-02 (***) HLTH INS PLAN GREATER N Y, 625 MADISON AVE, NEW YORK.** Drug education program for insurance subscribers.
- N01DA-10108-02 (***) RES TRIANGLE INST, P O BOX 12194, TRIANGLE PARK N C 27709.** Synthesis of radiolabeled cannabinoids and metabolites.
- N01DA-10114-07 (***) PHARMACEUTICAL ASSN, 2215 CONSTITUTION AVE, N W, WASHINGTON, D C 20037.** Develop and pretest nationwide drug education program.
- N01DA-20002-01 (***) MEHARRY MED COL, 1005 18TH ST, NORTH, NASHVILLE, TENNESSEE 37208.** Provide rehabilitation services to narcotic addicts.
- N01DA-20021-01 (***) TRAVELERS AID ASSN, 212 BURNET ST, FT WORTH, TEXAS 76102.** Service to narcotic addicts.
- N01DA-20044-01 (***) SOUTHWEST MENTAL HLTH CR, 1501 NORTH SOLANO AVE, LAS CRUSCES, N MEX 88001.** Treatment of narcotic addicts.
- N01DA-20062-01 (***) ADDICTION RES & TRTMT CORP, 937 FULTON ST, BROOKLYN, N Y 11238.** Provide rehabilitation services to narcotic addicts.
- N01DA-20073-03 (***) NATL ACADEMY SCIENCE, 2101 CONSTITUTION AVE, WASHINGTON, D C 20418.** Conference on problems of drug dependence.
- N01DA-20076-00 (***) HELCON, INC, NORMAN, OKLAHOMA 73069.** Legal handbook for methadone maintenance programs.
- N01DA-20092-03 (***) RES FDN CITY UNIV N Y, 1411 BROADWAY, NEW YORK NEW YORK 10018.** Short course training center on drug abuse treatment.
- N01DA-20093-00 (***) BEHAVIOR RES & ACTION SOC, SCI FDN, 7022 SOUTH LAKE SHORE DR, CHICAGO, ILL 60653.** National training center on drug abuse.
- N01DA-20116-01 (***) CURATORS UNIV MISSOURI, UNIVERSITY HALL, COLUMBIA, MISSOURI 65201.** Narcotic antagonists in treating narcotic addicts.
- N01DA-20127-01 (***) FRIENDS PSYCH RES INC, P O BOX 9945, OAKLAND CAL 96413.** Short course training center on drug abuse treatment.
- N01DA-20132-02 (***) TEXAS CHRISTIAN UNIV, FORT WORTH TEXAS 76129.** Evaluation of NMH drug abuse community assistance program.
- N01DA-20137-01 (***) INST RES & EVALUATION, 384 CLINTON ST, HEMPSTEAD,, NEW YORK.** Develop program for self-administered high school study of drugs.
- N01DA-20139-03 (***) RES EDUC FDN, 101 CITY DRIVE SOUTH, ORANGE, CAL 92668.** Development of a uniform system for reporting drug related deaths.
- N01DA-20141-01 (***) NEW JERSEY STATE DEPT OF HEALTH, N J DEPT HEALTH, BOX 1540, TRENTON, NEW JERSEY 08625.** Rehabilitation services to narcotic addicts.
- N01DA-20166-02 (***) CASE WESTERN RES UNIV, 2040 ADELBERT RD, CLEVELAND OHIO 44106.** Mutagenicity studies of delta-9-tetrahydrocannabinol (rats, primates).
- N01DA-20171-02 (***) INDUSTRIAL BIO-TEST LAB, 1810 FRONTAGE RD, NORTHBROOK, ILL 60062.** Reproductive and teratogenic studies on narcotic antagonists.
- N01DA-20182-01 (***) STANFORD RES INST, 333 RAVENWOOD AVE, MENLO PARK CAL 94025.** Interaction of marijuana with drugs of chronic abuse (animals).
- N01DA-20183-01 (***) BATTELLE MEMORIAL INSTITUTE, COLUMBUS LABORATORIES, 505 KING AVE, COLUMBUS, OHIO 43201.** Determination of cannabinoids (plants, animals, human).
- N01DA-20208-05 (***) MCLEAN HOSP, 155 MILL ST, BELMONT MASS 02178.** Behavioral research paradigm for study of opiate antagonists (human).
- N01DA-20209-04 (***) OREGON STATE SYSTEM HIGH EDUC, 3181 S W SAM JACKSON PARK RD, PORTLAND, ORE 97201.** Effects of narcotic antagonist therapy (human).
- N01DA-20210-01 (***) COUNTY OF NASSAU, 214 GLEN COVE RD, CARLE PLACE, N. Y. 11514.** Narcotic antagonists in treating addict inmates.
- N01DA-20211-02 (***) YALE UNIV, 333 CEDAR ST, NEW HAVEN CONN 06510.** Clinical effectiveness of narcotic antagonists.
- N01DA-30011-00 (***) DAYTON MENTAL HLTH CR, 2335 WAYNE AVE, DAYTON, OHIO 45420.** Services to narcotic addicts.
- N01DA-30020-00 (***) NARCOTIC ADDICT CONTROL COMM, EXEC PK SO, STUYVESANT PLAZA, ALBANY, NY 12203.** Treatment and rehabilitation for opiate-dependent persons.
- N01DA-30025-00 (***) AM TECH ASSIST CORP, 7655 OLD SPRINGHOUSE ROAD, MCLEAN, VIRGINIA 22101.** Operation of a mobile drug abuse treatment program.
- N01DA-30049-00 (***) N J DEPT OF HEALTH, JOHN FITCH PLAZA, P O BOX 1540, TRENTON, N J 08625.** Treatment of opiate dependent persons.
- N01DA-30050-00 (***) OHIO DEPT MNTL HLTH & RETARD, BUREAU DRUG ABUSE, 8 EAST BROAD ST 3RD FLOOR, COLUMBUS, OHIO 43215.** Treatment of drug dependent persons.
- N01DA-30052-00 (***) HEALTH WELFARE AGENCY, NARC & DRUG ABUSE COORDIN, 926 J ST, SUITE 201, SACRAMENTO, CA.** Treatment of drug dependent persons.
- N01DA-30053-03 (***) ILL DEPT MH DRUG ABUSE PROG, MUSEUM SCI & INDUSTRY, EAST PAVILION, CHICAGO, ILL 60637.** Services to narcotic addicts.
- N01DA-30055-00 (***) TEXAS DEPT COMMUNITY AFFAIRS, SAM HOUSTON BLDG, P O BOX 13166, CAPITOL STA, AUSTIN, TEX, 7871.** Treatment of drug dependent persons.
- N01DA-30056-05 (***) DETROIT-WAYNE CT MH SER BD, 1800 KALES BLDG, DETROIT, MICHIGAN 48226.** Treatment of drug dependent persons.
- N01DA-30060-00 (***) MIDWEST RES INST, 425 VOLKER BLVD, KANSAS CITY, MO 64110.** Evaluate new instrument capability.
- N01DA-30062-02 (***) ENDO LABORATORIES, INC, 1000 STEWART AVENUE, GARDEN CITY, NEW YORK 11530.** Production of EN 1639A.
- N01DA-30076-00 (***) COMM OF PENNA, GOVERNORS COUNCIL ON DRUG, ALCOHOL ABUSE, HARRISBURG, PENNSYLVANIA 17122.** Services to narcotic addicts (waiting list).
- N01DA-30005-01 (***) STATE OF ALABAMA, DEPT OF MENTAL HEALTH, 502 WASHINGTON, AVE, MONTGOMERY, ALABAMA 36104.** Services to narcotic addicts.
- N01DA-30067-03 (***) DEPT HLTH, REHAB SERV, OFFICE OF DRUG ABUSE, 320 BLOUNT ST, TALLAHASSEE, FLORIDA 32304.** Services to narcotic addicts.
- N01DA-30092-00 (***) DEPT HUMAN RESOURCES, DRUG ABUSE SERV SECTION, 615 PEACHTREE ST N E, ATLANTA, GEORGIA 30308.** Services to narcotic addicts (human).
- N01DA-30153-00 (***) MARATHON HOUSE, INC, 144 WATERMAN ST, PROVIDENCE, R I 02906.** Provide rehabilitation services to narcotic addicts.
- N01DA-30154-00 (***) KING, MRS. ANITA, 11451 S GLEN RD, POTOMAC, MD 20854.** Evaluation of drug abuse treatment programs.
- N01DA-30156-00 (***) SYSTEM SCIENCES, INC., 4720 MONTGOMERY LANE, BETHESDA, MARYLAND 20014.** Field support for CODAP reporting system.
- N01DA-30159-00 (***) SYSTEM SCIENCES, INC, 4720 MONTGOMERY LANE, BETHESDA, MARYLAND 20014.** Data processing support for CODAP reporting system.
- N01DA-30160-00 (***) N Y NARC ADDICT CONTROL COMM, EXEC PARK SO STUYVESANT PLAZA, ALBANY N Y 12203.** Services to narcotic addicts.
- N01DA-30164-00 (***) SMITHSONIAN INSTITUTION, WASHINGTON, 20560.** International conference on cross-cultural perspectives on cannabis use.
- N01DA-30168-00 (***) N J DEPT HLTH, DIV NARC, P O BOX 1540, TRENTON, N J 08625.** Services to narcotic addicts.
- N01DA-30172-00 (***) RAVEN PRESS, 18 WEST 84TH ST, NEW YORK, NEW YORK 10024.** Publish proceedings of First International Conference on Narcotic Antagonists.
- N01DA-30174-00 (***) MAINE COMMISSION ON DRUG ABUSE, 411 STATE OFFICE BUILDING, AUGUSTA, MAINE 04330.** Services to narcotics addicts.
- N01DA-30176-00 (***) STATE OF TEXAS, TEXAS DEPT COMMUNITY AFFAIRS, P O BOX 13166 CAPITOL STATION, AUSTIN, TEXAS 78711.** Services to narcotic addicts.
- N01DA-30177-00 (***) DAVID E. SMITH, M.D., 1698 HAIGHT ST, SAN FRANCISCO, CALIF 94117.** Barbiturate treatment manual.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
N01DA-30178-00 (***) INDUSTRIAL BIO-TEST LAB, 1810 FRONTAGE RD, NORTHBROOK, ILL 60062. Toxicological evaluation of narcotics and/or narcotic antagonists in animals.	N01DA-40107-00 (***) UNIV MISSISSIPPI, UNIVERSITY, MISS 38677. Scientific information to legal decisions for control of drugs (human, animals).
N01DA-30181-00 (***) UNIVERSITY CALIFORNIA, 1483 4TH AVE, SAN FRANCISCO, CALIFORNIA 9412. Clinical study of tolerance to marijuana (mon).	N01DA-40108-00 (***) BURR ALCOHOL & DRUG ABUSE, 1803 NORTH CARSON ST, CARSON CITY, NEVADA 89701. Integrated drug abuse reporting process.
N01DA-30182-00 (***) OHIO STATE UNIV, 1314 KUNNEAR RD, COLUMBUS, OHIO 43212. Testing of drug delivery systems for use in the treatment of narcotic addiction.	N01DA-40108-00 (***) RESEARCH TRIANGLE INST, P.O. BOX 12194, RESEARCH TRIANGLE PARK, N.C. Quantification of abused drugs in biological media by mass spectroscopy.
N01DA-30184-01 (***) RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709. Synthesis of labeled narcotics and narcotic antagonists.	N01DA-40110-00 (***) DEPT HEALTH, ADDICTIVE BEHAVIOR SERVICE, 1740 WEST ADAMS, PHOENIX, ARIZ 85007. Integrated drug abuse reporting process.
N01DA-30192-00 (***) INTERNATIONAL COMMITTEE AGAINST MENTAL ILLNESS, 40 EAST 69TH ST, NEW YORK, NEW YORK 10021. Treatment of narcotic addicts in Tehran, Iran.	N01DA-40111-00 (***) DEPT MENTAL HEALTH, 502 WASHINGTON, AVE, MONTGOMERY, ALA 36101. Integrated drug abuse reporting process.
N01DA-30193-00 (***) NEW YORK MED COLLEGE, FIFTH AVE AT 106, NEW YORK, 10029. Clinical pharmacology of propenolol in opiate addiction.	N01DA-40112-00 (***) COMM NARC CONTROL SUBSTANCES, OFFICE OF GOVERNOR, 201 KITTRELL CENTER, COLUMBIA, S C 29204. Integrated drug abuse reporting process.
N01DA-30197-00 (***) GEORGE WASHINGTON UNIV, WASHINGTON, D C 20006. National survey of drug abuse.	N01DA-40118-00 (***) DEPT HLTH & SOC SERV, 1 WEST WILSON ST, MADISON, WIS 53702. Integrated drug abuse reporting process.
N01DA-30193-00 (***) HEBNER & CO, 2100 7 ST N W, WASHINGTON, D C 20037. Drug abuse information materials and publication.	N01DA-40114-00 (***) DEPT MENTAL HEALTH, P.O. BOX 53277, OKLAHOMA CITY, OKLA 73105. Integrated drug abuse reporting process.
N01DA-30200-00 (***) TRIANGLE INST, P O BOX 12194, TRIANGLE PARK N C 27709. Feasibility of study of effect of drug law violations.	N01DA-40115-00 (***) DEPT ADMINISTRATION, 116 W. JONES ST., RALEIGH, NORTH CAROLINA 27611. Integrated drug abuse reporting process.
N01DA-30212-00 (***) UNCO, INCORPORATED, 815 15TH ST, N W, SUITE 838, WASHINGTON, DC 20005. Drug abuse information dissemination.	N01DA-40116-00 (***) SOCIAL SYSTEMS INTERVENTION, 3606 14TH ST N.W., WASHINGTON, D.C. 20010. To prepare summary statements on grant applications.
N01DA-30217-02 (***) BALTIMORE CITY HOSPITAL, 4940 EASTERN AVE, BALTIMORE, MARYLAND 21224. Management and behavior therapy in a methadone maintenance program (human).	N01DA-40117-00 (***) THE FRANKLIN INST, RES LAB, THE BENJAMIN FRANKLIN PARKWAY, PHILADELPHIA, PA 19103. Bibliographic materials on drug abuse topics.
N01DA-30219-00 (***) RESEARCH FOUNDATION, STATE UNIVERSITY OF NEW YORK, P O BOX 7126, ALBANY, NEW YORK 12224. Prediction scales of the intervention type in human drug users and abusers.	N01DA-40118-00 (***) DUNLAP AND ASSOC, INC, ONE PARKLAND DRIVE, DARIEN, CONN 06820. Comprehensive evaluation of clearinghouse materials.
N01DA-30222-00 (***) CONTEMPORARY RES INC, 1100 GLENDON AVE, LOS ANGELES, CALIFORNIA 90024. Preparation of annotated bibliographies on drug use/abuse.	N01DA-40120-00 (***) GOVERNORS, OFFICE BDU & TNG, UNIVERSITIES CR, SUITE 182, 3825 RIDGEWOOD RD, JACKSON, MISS 39211. Integrated drug abuse reporting process.
N01DA-30225-08 (***) UNIV PENNSYLVANIA, 3451 WALNUT ST, PHILADELPHIA, PA 19174. Clinical safety and efficacy studies of narcotic antagonists (human).	N01DA-40121-08 (***) STATE OF LOUISIANA, DIV OF MENTAL HEALTH, P.O. BOX 44215, BATON ROUGE, LOUISIANA 70804. Integrated drug abuse reporting process.
N01DA-30226-00 (***) INDIANA UNIV FOUNDATION, 1219 WEST MICHIGAN ST, INDIANAPOLIS, INDIANA 46202. Interactions of narcotic and narcotic antagonist with other drugs (rodents).	N01DA-40122-08 (***) BOOZ, ALLEN & HAMILTON, INC, 1025 CONNECTICUT AVE, N.W., WASHINGTON, D.C. 20036. Financial management information system.
N01DA-30227-00 (***) PERSONNEL DECISIONS, INC, 2515 FOSHAY TOWER, MINNEAPOLIS, MINN 55402. Prediction scales of the prevention type in human drug users and abusers.	N01DA-40123-00 (***) DIV OF MENTAL HEALTH, 722 JEFFERSON ST, JEFFERSON CITY, MISSOURI 65101. Integrated drug abuse reporting process.
N01DA-30228-00 (***) RESEARCH TRIANGLE INSTITUTE, POST OFFICE BOX 12194, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709. Synthesis and production of narcotic antagonists.	N01DA-40124-00 (***) DRUG ABUSE AUTHORITY, 1217 E. WALNUT, DES MOINES, IOWA 50319. Integrated drug abuse reporting process.
N01DA-30229-00 (***) DOT SYSTEMS, INC, 402 MAPLE AVE WEST, VIENNA, VIRGINIA 22180. Technical assistance in drug development.	N01DA-40125-00 (***) FORDHAM UNIV, INST SOCIAL RESEARCH, BRONX, NEW YORK, 10458. Methadone diversion.
N01DA-30231-00 (***) RONALD D WYNNIE ASSOC, 3915 LIVINGSTON ST N W, WASHINGTON, D C 20015. Treatment facilities for non-opiate drug users (human).	N01DA-40126-00 (***) SUBSTANCE ABUSE AGENCY, OFFICE OF GOVERNOR, 550 MAKAPUU AVE, HONOLULU, HAWAII 96816. Integrated drug abuse reporting.
N01DA-30232-00 (***) RESOURCE PLANNING CORP, 1771 N ST N W, WASHINGTON, D C 20036. National data bank of drug abuse prevention resource units.	N01DA-40127-00 (***) COMMISSION ON DRUGS, STATE CAPITOL BLDG, LINCOLN, NEBRASKA, 68509. Integrated drug abuse reporting process.
N01DA-30233-00 (***) UNIV FLORIDA, GAINESVILLE, FLORIDA 32601. Chronic cannabis users in Costa Rica.	N01DA-40128-00 (***) STATE OF NEW MEXICO, DEPT HOSP & INST, 425 SANTA FE TRAIL, SANTA FE, NEW MEXICO 87501. Services to Narcotic addicts.
N01DA-30229-00 (***) ELLEN SIMON, 6213 HOLLINS DRIVE, BETHESDA, MARYLAND 20034. Study and report on research in area of children and drug abuse.	N01DA-40129-00 (***) THE FRANKLIN INST, 20TH AND PARKWAY, PHILADELPHIA, PA 19103. Development of a thesaurus for drug abuse resources and materials file.
N01DA-30244-00 (***) BROWN ENGINEERING INC, RESEARCH PARK, HURTSVILLE, ALABAMA 35807. Data reference module.	N01DA-40130-00 (***) COMMONWEALTH OF VA, DIVISION DRUG ABUSE CONTROL, 927 NINTH ST OFFICE BLDG, RICHMOND, VA 23219. Services to narcotic addicts (human).
N01DA-30253-08 (***) HARVARD COL, HOLYOKE 458, 1353 MASSACHUSETTS AVE, CAMBRIDGE, MASSACHUSETTS 02138. Clinical safety and efficacy studies of narcotics antagonists (men).	N01DA-40131-00 (***) HEBNER & COMPANY, 2100 'M' ST., N.W., WASHINGTON, D.C. 20037. Editing and reclassifying the drug abuse information resource and material file.
N01DA-30255-00 (***) LAFAYETTE CLINIC, 931 EAST LAFAYETTE ST, DETROIT, MICHIGAN 48207. Clinical safety and efficacy studies of narcotic antagonists.	N01DA-40132-00 (***) WOODARD RES CORP, 12310 PINECREST RD, P.O. BOX 405, HERNDON, VA 22070. Toxicological evaluation of narcotics and narcotic antagonists (animals).
N01DA-30262-00 (***) INDUSTRIAL BIO-TEST LABORATOR., 1810 FRONTAGE RD, NORTHBROOK, ILLINOIS 60062. Toxicological evaluation of one narcotic and/or narcotic antagonist in animals.	N01DA-40133-00 (***) NARCOTIC & DRUG RES, INC., EXEC PARK TOWER BLDG, ALBANY, N.Y. 12203. Metabolic and pharmacokinetic studies of urethane (human).
N01DA-30263-00 (***) THE REGENTS OF THE UNIV CALIF, DAVIS, CAL 95616. Interaction studies of narcotics and narcotic antagonists (monkeys).	N01DA-40134-00 (***) LITTLE, ARTHUR D, INC, ACORN PARK, CAMBRIDGE, MASS 02140. Production of cannabinoids by synthetic means.
N01DA-30264-01 (***) WASHINGTON ADDICTIONS CR, BOSTON, MASS. Clinical efficacy and safety studies of new narcotic antagonists.	N01DA-40135-00 (***) HEBNER & COMPANY, 2100 'M' ST., N.W., WASHINGTON, D.C. 20037. Acquisition and abstracting of drug abuse literature.
N01DA-30263-00 (***) WASHINGTON UNIV, ST LOUIS, MISSOURI 63130. Division of narcotic abuse and drug addiction (animals).	N01DA-40134-00 (***) DRUG ABUSE AUTHORITY, 4815 WEST MARKHAM ST., LITTLE ROCK, ARK 72201. Integrated drug abuse reporting process.
N01DA-30267-08 (***) DYNATECH CORP, CAMBRIDGE, MASS. 02139. Development of drug delivery systems in treatment of narcotic addiction.	N01DA-40137-00 (***) ACTION PRIORITIES, INC, 154 WEST 57TH ST, STUDIO 847, NEW YORK, N.Y. 10019. Development and testing of a model rural drug education program.
N01DA-40013-08 (***) KING, ANITA, 11451 S. GLEN RD, POTOMAC, MD 20854. Study programs of drug abuse treatment to minority children and youths.	N01DA-40138-00 (***) BRX., INC., 890 WINTON RD SOUTH, ROCHESTER, N.Y. 14618. Drug education information material evaluation.
N01DA-40015-08 (***) WORLD HEALTH ORGAN, AVENUE APPIA, 1211 GENEVA 27, SWITZERLAND. Study of drug abuse.	N01DA-40139-00 (***) MIDWEST RES INST, 425 VOLKER BOULEVARD, KANSAS CITY, MISSOURI 64108. Use of biofeedback with opiate addicts (human).
N01DA-40092-08 (***) KINGSBROOK JEWISH MED CR, RUTLAND RD & EAST 49TH ST, BROOKLYN, N.Y. 11203. Model for long-term cure facilities.	N01DA-40140-00 (***) BATTELLE MEMORIAL INST, 505 KING AVE, COLUMBUS, OHIO 43201. Quantification of abused drugs in biological media by mass spectrometry.
N01DA-40101-00 (***) LOWENHAR, HERMAN, 422 HUDSON, ST, NEW YORK, NEW YORK 10014. Survey and analyze multi-services drug program for adolescents.	N01DA-40141-00 (***) UNIV OF MISSOURI, SCHOOL OF MEDICINE, 2220 HOLMES ST, KANSAS CITY, MISSOURI 64108. New narcotic antagonists and long-acting antagonist preparation (human).
N01DA-40102-00 (***) NOWLIS, VINCENT, 907 6TH ST., S. W., WASHINGTON, D C 20024. Provide information on drug abuse problems in one or more countries.	N01DA-40142-00 (***) DEPT. PUBLIC WELFARE, 402 METRO SQUARE BLDG., ST. PAUL MINN 55101. Integrated drug abuse reporting process.
N01DA-40103-00 (***) SOUTHERN RES INST, 2000 NINTH AVENUE SOUTH, BIRMINGHAM, ALA 35205. Improved hemoperfusion device for barbiturate intoxication (dogs).	N01DA-40143-00 (***) DUKE UNIVERSITY, DEPT OF CHEMISTRY, DURHAM, N.C. 27706. Synthesis of labeled cocaine and its metabolites.
N01DA-40104-00 (***) ENDO LABS, 1000 STEWART AVE., GARDEN CITY, N.Y. 11530. Production of EN1639A.	N01DA-40144-00 (***) WYNNIE ASSOC, 3804 LEGATION ST, N.W., WASHINGTON, D.C. 20015. Facts and myths about human cocaine use and abuse.
N01DA-40105-00 (***) MINN. DEPT. PUBLIC WELFARE, ST. PAUL, MINN. 55101. Services to narcotic addicts.	N01DA-40145-00 (***) DEPT MENTAL HEALTH, STATE CAPITOL, CHARLESTON, WEST VIRGINIA 2530. Drug abuse reporting process.
N01DA-40106-00 (***) DRUG COUNCIL, 90 WASHINGTON ST, HARTFORD, CONN 06115. Services to narcotic addicts.	N01DA-40146-00 (***) MICHIGAN STATE UNIV, RESEARCH AND CONTRACTS ADM. EAST LANSING, MICHIGAN 48824. Interaction studies with stimulants and depressants.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- NO1DA-40147-00** (** GENERAL RES CORP, 7655 OLD SPRINGHOUSE RD, MCLEAN, VA 22101. Development and implementation of a supply system for research drugs.
- NO1DA-40148-08** (** GROWTH PROJECTS INC., 50MAPLE AVE, MORRISTOWN, N.J. 07960. National search for youth initiatives in drug abuse prevention.
- NO1DA-40149-00** (** KANSAS CITY MH HLTH FDN, 600 EAST 22ND ST, KANSAS CITY, MISSOURI 64108. Patterns and life styles of human cocaine users.
- NO1DA-40150-00** (** THE CITY OF N.Y., ADDICTION SER AGENCY, 65-71 WORTH ST, NEW YORK, N.Y. 10013. Vocational rehabilitation and manpower service for former drug abusers.
- NO1DA-40151-00** (** STATE OF OREGON, MENTAL HLTH DIV, 2570 CENTER ST, N E, SALEM, OREGON 97310. Services to narcotic addicts and drug abusers (human).
- NO1DA-40152-00** (** TRUSTEES UNIV PENNSYLVANIA, 3451 WALNUT ST, PHILADELPHIA, PA 19174. Propoxyphene napsylate in maintenance therapy for narcotic addiction (human).
- NO1DA-40154-00** (** BROWN ENG COMPANY, RESEARCH PARK, HUNTSVILLE, ALA 35807. Evaluation, planning and control system for programs and clinics.
- NO1DA-40155-00** (** AUERBACH ASSO, INC., 121 NORTH BROAD ST, PHILADELPHIA, PA 19107. Integration of all drug abuse EDP systems.
- NO1DA-40156-00** (** BROWN ENG CO, INC., CUMMINGS RESEARCH PARK, HUNTSVILLE, ALA 35807. Drug abuse information program data processing requirements.
- NO1DA-40157-08** (** ALZA CORPORATION, 950 PAGE MILL RD, PALO ALTO, CALIF 94304. Sustained release delivery systems for narcotic antagonists.
- NO1DA-40158-00** (** UNIV RES CORP, 5530 WISCONSIN AVE, SUITE 1600, WASHINGTON, D.C. 20015. Credentialing of drug abuse treatment and rehabilitation workers.
- NO1DA-40159-00** (** PUBLIC HLTH FDN LA COUNTY, 313 NORTH FIGUEROA ST, LOS ANGELES, CALIF 90012. Efficacy of propoxyphene napsylate in maintenance therapy for narcotic addiction.
- NO1DA-40163-00** (** DEPT. MH & MR, 65 FRONT ST., COLUMBUS, OHIO 43215. Services to narcotic addicts.
- NO1DA-40161-00** (** SYSTEM SCIENCES, INC., 4720 MONTGOMERY LANE, BETHESDA, MD 20014. Client oriented data acquisition process system.
- NO1DA-40162-00** (** DIV MENTAL HEALTH, 655 NO 5TH ST., PO BOX 44215, BATON ROUGE, LA 70704. Services to narcotic addicts.
- NO1DA-40163-00** (** KALAMAZOO STATE HOSP, OAKLAND DRIVE, KALAMAZOO, MICHIGAN 49001. Evaluation of cocaine on aggressive behavior (pigeons, mice, monkeys).
- NO1DA-40164-64** (** YALE UNIVERSITY, 333 CEDAR ST, NEW HAVEN, CONNECTICUT 06510. Acute effects of cocaine on man.
- NO1DA-40165-00** (** UNIV OF CHICAGO, DEPT OF PSYCHIATRY, 5801 S. ELLIS AVE, CHICAGO, ILL 60637. Acute effects of cocaine on complex human performance.
- NO1DA-40166-00** (** SYNVAR ASSO, D/B/A SYVA CO, 3181 PORTER DRIVE, PALO ALTO CALIF 94304. Development of an immunoassay for cannabinoids.
- NO1DA-40167-00** (** ADDICTIVE DISEASES UNIT, STATE CAPITOL, HELENA, MONTANA 59601. Drug abuse reporting process.
- NO1DA-40168-00** (** DIV DRUG, SUBSTANCES CONTROL, DEPT HLTH, OFFICE BLDG 02, PIERRE, SO. DAK 57501. Drug abuse reporting process.
- NO1DA-40170-00** (** MCGLOTHLIN, WILLIAM, UNIV CALIFORNIA, LOS ANGELES, CAL 90024. Design of and participation in a CENCO conference.
- NO1DA-40172-08** (** DEPT ENVIRONMENTAL SERV, STATEHOUSE, BOISE, IDAHO 83720. Integrated drug abuse reporting process.
- NO1DA-40173-00** (** DEPT HEALTH & SOC SERV, C/O DELAWARE STATE HOSP, NEW CASTLE, DELAWARE 19720. Drug abuse reporting process.
- NO1DA-40174-00** (** MENTAL HLTH MENTAL RETARD, STATE OFFICE BLDG, CHEYENNE, WYOMING 82002. Implement an integrated drug abuse reporting process.
- NO1DA-40176-00** (** CREATIVE SOCIO-MEDICS CORP, 130 EAST 59TH ST, NEW YORK, N.Y. 10022. Polydrug abuse research demonstration.
- NO1DA-40177-00** (** DRUG ABUSE PREVENTION OFF, 209 GENERAL ADMIN BLDG, OLYMPIA, WASHINGTON 98504. Integrated drug abuse reporting process.
- NO1DA-40179-00** (** RESEARCH TRIANGLE INST, P.O. BOX 12154, RESEARCH TRIANGLE PARK, N.C.. Synthesis of stimulants, depressants and hallucinogens subject to abuse.
- NO1DA-40181-08** (** ADV COMP TECHNIQUES CORP, 437 MADISON AVE, NEW YORK, N.Y. 10022. Drug abuse prevention resource units data bank.
- NO1DA-40182-00** (** WORLD HEALTH ORGANIZATION, 1211 GENEVA 27, SWITZERLAND. Drug abuse potential of stimulants, depressants and hallucinogens.
- NO1DA-40183-00** (** YALE UNIV, 333 CEDAR ST, NEW HAVEN, CONNECTICUT 06520. Training and manpower development for drug treatment programs.
- NO1DA-40184-00** (** STATE OF CALIF, STATE OFF NARCOTICS & DRUG ABU, SUITE 300 926 J ST, SACRAMENTO, CALIF 95814. Services to narcotic addicts.
- NO1DA-40185-08** (** UNIV OF MIAMI, CORAL GABLES, FLORIDA 33124. Training and manpower development for drug treatment programs.
- NO1DA-40186-00** (** ADDICTION SCI SERV, INC., 347 WHITEHALL DR, PALATINE, ILLINOIS. Training and manpower development for drug treatment programs.
- NO1DA-40187-00** (** SOCIAL ACTION RES CTR., 2728 DURANT AVE, BERKELEY CALIF 94704. Training and manpower development for drug treatment programs.
- NO1DA-40189-00** (** WEST PHILADELPHIA COMM, MENTAL HLTH CONSORTIUM, INC, 34TH CIVIC CTR BLVD, PO 8076, PHILADELPHIA, PA 19101. Propoxyphene napsylate in maintenance therapy for narcotic addiction (human).
- NO1DA-40190-00** (** METCOR, INC., 2000 P ST, N.W., WASHINGTON, D.C.. Survey of new techniques for the treatment of drug abusers.
- NO1DA-40191-00** (** STATE OF FLORIDA, DEPT. HLTH, OFFICE OF DRUG ABUSE, 1323 WINEWOOD BLVD., TALLAHASSEE, FLA 32301. Services to narcotic addicts and drug abusers (human).
- NO1DA-40195-00** (** DEPT MENTAL HEALTH, 300 CORDELL HULL BLDG, NASHVILLE, TENN 37219. Integrated drug abuse reporting process.
- NO1DA-40196-00** (** STATE DEPT HEALTH, 320 AVE B, EAST, BISMARCK, ND DAK 58501. Integrated drug abuse reporting process.
- NO1DA-40197-00** (** OFF ALCOHOL & DRUG PREV, 32 WINTHROP ST., KENNEBEC CTY, AUGUSTA, MAINE 04330. Integrated drug abuse reporting phase.
- NO1DA-40198-00** (** DIV MENTAL HEALTH, 615 PEACHTREE ST. N.E., ATLANTA, GA 30308. Integrated drug abuse reporting process.
- NO1DA-40199-00** (** DEPT HOSPITAL INSTITUTIONS, 101 W. MARCY, SANTA FE, NEW MEXICO 87501. Integrated drug abuse reporting process.
- NO1DA-40200-00** (** STATE OF INDIANA, DEPT MENTAL HLTH, DRUG ABUSE DIV, 1315 W. TENTH ST. INDIANAPOLIS. Services to narcotic addicts.
- NO1DA-40201-00** (** COMMONWEALTH OF KENTUCKY, DEPT OF HUMAN RESOURCES, BUREAU HEALTH SERVICES, P.O. BOX 678 FRANKFORT, KY. Placement and treatment of neuropsychiatric patients.
- NO1DA-40202-00** (** ZANES, ANNIE, 21 AUDOBON AVE, NEW YORK, N.Y. 10032. Drug prevention programs abroad for the foreign service community.
- NO1DA-40200-00** (** TRAINING CORPORATION AMERICA, 2021 L ST, N.W., WASHINGTON, D.C. 20036. Addict rehabilitation-manpower training program.
- NO1DA-40204-00** (** INFORMATICS, INC., 6000 EXECUTIVE BLVD, ROCKVILLE, MD 20852. Library cataloging service.
- NO1DA-40205-00** (** COMMONWEALTH OF PENN, GOVERNOR'S COUN DRUG ALCO ABUS, 2101 NORTH FRONT ST, HARRISBURG, PA 17102. Integrated drug abuse reporting process.
- NO1DA-40207-00** (** STATE OF ALASKA, DEPT. HEALTH SOCIAL SERV, POUCH H, JUNEAU, ALASKA 99801. Integrated drug abuse reporting process.
- NO1DA-40200-00** (** OFF DRUG ABUSE PREVENTION, 3CAPITOL ST. ROOM 404, CONCORD, NEW HAMPSHIRE 03301. Integrated drug abuse reporting process.
- NO1DA-40209-00** (** WHITE, E H & CO, INC, 5517 GEARY BLVD., 0205, SAN FRANCISCO CALIF 94121. Evaluation of free clinics.
- NO1DA-40210-00** (** MIDDLESEX COUNTY HOSP, 775 TRAPELO RD., WALTHAM, MASS 02154. Services to narcotic addicts and drug abusers (human).
- NO1DA-40211-00** (** NATL COORD COUNCIL DRUG EDUC, SUITE 212,1211 CONN. AVE. N.W., WASHINGTON, D.C. 20036. Drug prevention program models.
- NO1DA-40212-08** (** STATE OF CALIFORNIA, OFF NARC & DRUG ABUSE, 926 J ST, SACRAMENTO, CALIF 95814. Services to narcotic addicts.
- NO1DA-40213-00** (** DEPT MNTL HLTH & RETARD, MANAGEMENT DIV OPDS, 65SOUTH FRONT ST, COLUMBUS, OHIO 43215. Integrated drug abuse reporting process.
- NO1DA-40214-00** (** MD DRUG ABUSE ADMIN, DEPT HLTH & MNTL HYGIENE, 2305 NO CHARLES ST, BALTIMORE, MD 21218. Integrated drug abuse reporting process.
- NO1DA-40215-00** (** OFF NARC DRUG ABUSE, HEALTH AND WELFARE AGENCY, 915 CAPITOL MALL, ROOM 235, SACRAMENTO, CALIF 95814. Integrated drug abuse reporting process.
- NO1DA-40216-00** (** DEPT ADDICTION SERV, P.O. BOX 1276. Integrated drug abuse reporting process.
- NO1DA-40217-00** (** DEPT HEALTH, P.O. BOX 1442, CHARLOTTE AMALIE, ST. THOMAS, V.I. 00801. Integrated drug abuse reporting process.
- NO1DA-40218-00** (** LITTLE, ARTHUR D, INC, ACORN PARK, CAMBRIDGE, MASS 02140. Sustained release delivery systems for narcotic antagonists.
- NO1DA-40219-00** (** BATTELLE MEMORIAL INST, PACIFIC NORTHWEST LABS, P.O. BOX 999, RICHLAND, WASH 99352. Sustained release delivery systems for narcotic antagonists (mice).
- NO1DA-40221-00** (** NATL INST COMM DEVEL, INC., 2021 'K' ST, N.W., WASHINGTON, D.C. 20006. Evaluation of services of the impact of action project.
- NO1DA-40223-00** (** DC DEPT HUMAN RESOURCES, DISTRICT BLDG., RM 418, 14TH & E STS., N.W., WASHINGTON, D.C. 20004. Integrated drug abuse reporting process.
- NO1DA-40224-00** (** STATE OF ILL, ILL DANGEROUS DRUGS ADV COUN, 150 NORTH WACKER DR, SUITE 600, CHICAGO, ILL 60606. Integrated drug abuse reporting process.
- NO1DA-40225-00** (** STATE OF RHODE ISLAND, MENTAL HEALTH, RETARDATION HOS, 600 NEW LONDON AVE, CRANSTON, RHODE ISLAND. Integrated drug abuse reporting process.
- NO1DA-40226-00** (** STATE OF KANSAS, DRUG ABUSE COMM, 715 HARRISON, 2ND FLOOR, TOPEKA, KANSAS 66603. Integrated drug abuse reporting process.
- NO1DA-40281-00** (** LITTLEJOHN, ROY, ASSOC., 1335 GREEN COURT, N.W., WASHINGTON, D.C. 20005. Review and assessment of training and education programs.
- NO1DA-40409-00** (** SOCIAL SYSTEMS INTERVENTION, 3603 14TH ST N.W., WASHINGTON, D.C. 20010. Summary statements on training and drug/alcohol.
- NO1DA-80989-16** (** VOCATIONAL GUIDANCE SERV, 2525 SAN JACINTO ST, HOUSTON, TEXAS 77002. Service to narcotic addicts.
- NO1DA-81468-10** (** FAMILY SER PRINCE GEORGES CO, 4318HAMILTON ST, HYATTSVILLE, MARYLAND 20781. Rehabilitation services to narcotic addicts.
- NO1DA-81508-06** (** MALCOLM BLISS MH CR, 1420 GRATTAAN ST, ST LOUIS MISSOURI 63104. Rehabilitation services to narcotic addicts.
- NO1DA-81520-09** (** TULANE UNIV, SCHOOL OF MED, NEW ORLEANS, LOUISIANA 70112. Rehabilitation services to narcotic addicts.
- NO1DA-81524-07** (** WAYNE COUNTY HEALTH DEPT, CITY-COUNTY BLDG ROOM 352, DETROIT, MICH 48226. Rehabilitation services to narcotic addicts.
- NO1DA-81526-07** (** WISCONSIN CORRECTIONAL SERVICE, 436 W. WISCONSIN AVE, MILWAUKEE, WISCONSIN 53203. Rehabilitation services to narcotic addicts.
- NO1DA-81531-06** (** GREATER KANSAS CITY MH FDN, 600 EAST 22ND ST, KANSAS CITY MISSOURI 64108. Rehabilitation services to narcotic addicts.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- NO1DA-90005-13 (***) OREGON MH DIV, 2570 CENTER ST, N E, SALEM, ORE. Rehabilitation services to narcotic addicts.
- NO1DA-90006-15 (***) TEXAS CHRISTIAN UNIV, FORT WORTH, TEXAS 76129. Narcotic addict and drug abuse reporting system.
- NO1DA-90009-10 (***) SPECTRUM PROGRAMS, INC, 1 NORTHWEST 67TH ST, MIAMI, FLORIDA 33150. Services to narcotic addicts.
- NO1DA-90014-07 (***) BCOM YOUTH OPFOR AGY MARC DIV, 314 WEST SIXTH ST, LOS ANGELES, CAL 90014. Services to narcotic addicts.
- NO1DA-90025-07 (***) LANGDON PSYCHIATRIC CLINIC, 3401 EAST 42ND AVE, ANCHORAGE, ALASKA 99504. Rehabilitation services to narcotic addicts.
- NO1DA-90028-07 (***) CHLD & FAMILY SERVICE, 200NORTH VINEYARD BLVD, HONOLULU, HAWAII 96817. Rehabilitation services to narcotic addicts.
- NO1DA-90029-05 (***) FAMILY SERV ASSN, 3833 JURUPA AVE, RIVERSIDE, CAL 92506. Rehabilitation services to narcotic addicts.
- NO1DA-90033-06 (***) FAMILY SERVICE AGENCY, 800 SANTA BARBARA STREET, SANTA BARBARA, CAL 93101. Rehabilitation services to narcotic addicts.
- NO1DA-90036-07 (***) AUSTIN-TRAVIS COUNTY MH, MR CR, 1516 RED RIVER, AUSTIN, TEXAS 78701. Rehabilitation services to narcotic addicts.
- NO1DA-90038-06 (***) FAMILY COUNSELING SERVICE, 4438 NORTH BLVD, BATON ROUGE, LA 70806. Services to narcotic addicts.
- NO1DA-90040-08 (***) FAMILY SERVICE CENTER, 442 NORTH FULTON, FRESNO, CAL 93701. Rehabilitation services to narcotic addicts.
- NO1DA-90064-09 (***) FAMILY SERV MH CR, OAK PARK AND RIVER FOREST, 101 N MARION ST, OAK PARK, ILLINOIS 60301. Rehabilitation service to narcotic addicts.
- NO1DA-90065-06 (***) SECOND GENESIS INC, 1013 KING ST, ALEXANDRIA VIRGINIA 22314. Rehabilitation services to narcotic addicts.
- RO1DE-00159-20 (DEN) LE GEROS, RACQUEL Z, 339 EAST 25TH STREET, NEW YORK, N Y. Growth of biological apathites and evaluation of anti-caries.
- RO1DE-00433-18 (DEN) PHILLIPS, RALPH W, INDIANA UNIV SCH OF DENTISTRY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Influence of fluoride on wettability and restoratives (human).
- PO1DE-00853-17 (SSS) MORRIS, HUGHLETT L, UNIVERSITY HOSPITAL, DEPT OF OTOL & MAXILLOFAC SURG, IOWA CITY, IOWA. Diagnostic and prognostic techniques in cleft palate.
- PO1DE-00853-17 0001 (SSS) VANDEMARK, D R. Diagnostic and prognostic techniques in cleft palate-Longitudinal project.
- PO1DE-00853-17 0002 (SSS) KREMENAK, C R. Diagnostic and prognostic techniques in cleft palate-Maxillofacial growth project (dogs, tamarins, rats).
- PO1DE-00853-17 0003 (SSS) MORRIS, HUGHLETT L. Diagnostic and prognostic techniques in cleft palate-Speech physiology project (children, adults).
- RO1DE-01374-14 (PC) VEIS, ARTHUR, NORTHWESTERN UNIV MED SCHOOL, 303 E CHICAGO AVE, CHICAGO, ILL. State of collagen in calcified tissues.
- RO1DE-01382-14 (CBV) WILBUR, KARL M, DUKE UNIVERSITY, DEPT OF ZOOLOGY, DURHAM, N C. Calcification mechanisms (mollusks, algae, chickens, echinoderms).
- RO1DE-01523-13 (MET) COHN, DAVID V, VETERANS ADMINISTRATION HOSP, 4801 LINWOOD BOULEVARD, KANSAS CITY, MO. Metabolic pathways in bone (mice).
- RO1DE-01547-13 (DEN) ROSE, GEORGE G, UNIVERSITY OF TEXAS DENTAL BR, 6516 JOHN FREEMAN AVENUE, HOUSTON, TEXAS. Tissue culture and electron microscopy of the gingiva (animals).
- RO1DE-01554-13 (DEN) MANDEL, IRWIN D, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N Y. Dental calculus-Composition and formation (human, rats).
- RO1DE-01604-11 (DEN) AVERY, JAMES K, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVE, ANN ARBOR, MICH. Role of nerves in dentinogenesis.
- RO1DE-01648-12 (SSS) ZANDER, HELMUT A, EASTMAN DENTAL CENTER, 800 MAIN STREET E, ROCHESTER, N Y. Basic studies on periodontal disease.
- PO1DE-01648-12 0001 (SSS) ZANDER, HELMUT A. Basic studies on periodontal disease-Effect of traumatic injury on marginal periodontitis (monkeys).
- PO1DE-01648-12 0002 (SSS) ZANDER, HELMUT A. Basic studies on periodontal disease-Treatment of periodontal pockets in Rhesus monkeys.
- PO1DE-01697-12 (SSS) FORREST, EDWARD J, UNIVERSITY OF PITTSBURGH, 3501 TERRACE STREET, PITTSBURGH, PA. Interdisciplinary studies in cleft palate.
- PO1DE-01697-12 0001 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Larynx (human).
- PO1DE-01697-12 0002 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Velopharyngeal valving mechanism (human).
- PO1DE-01697-12 0003 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Tongue (human).
- PO1DE-01697-12 0005 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Air bone gap in cleft palate patients.
- PO1DE-01697-12 0006 (SSS) IRWIN, ELEANOR. Interdisciplinary studies in cleft palate-Parent school.
- PO1DE-01697-12 0007 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Techniques for evaluating velopharyngeal competency (human).
- PO1DE-01697-12 0008 (SSS) PARADISE, JACK. Interdisciplinary studies in cleft palate-Feeding studies (human).
- PO1DE-01697-12 0009 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Educational, vocational, and marital status of adults with clefts.
- PO1DE-01697-12 0010 (SSS) BLUESTONE, CHARLES. Interdisciplinary studies in cleft palate-Middle ear involvement (human).
- PO1DE-01697-12 0011 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Early ear management effect upon speech and language development.
- PO1DE-01697-12 0012 (SSS) MUSGRAVE, ROSS. Interdisciplinary studies in cleft palate-Comparison of two surgical techniques (human).
- PO1DE-01697-12 0013 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Peabody picture vocabulary test.
- PO1DE-01697-12 0014 (SSS) MCWILLIAMS, BETTY JANE. Interdisciplinary studies in cleft palate-Attitudes of children, adolescents, young adults and their parents.
- PO1DE-01697-12 0015 (SSS) FORREST, EDWARD, J. Interdisciplinary studies in cleft palate-Educational program.
- PO1DE-01697-12 0016 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Developmental morphology of the Eustachian tube cartilage (human).
- PO1DE-01697-12 0017 (SSS) KAMERER, DONALD. Interdisciplinary studies in cleft palate-Function of the middle ear muscles (human).
- PO1DE-01697-12 0018 (SSS) RUEGER, RAIMOND. Interdisciplinary studies in cleft palate-Innervation of the human larynx.
- PO1DE-01697-12 0019 (SSS) THOMPSON, JAMES. Interdisciplinary studies in cleft palate-Morphology of the hypoglossal nerve (human).
- PO1DE-01697-12 0020 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Behavioral studies of otitis media.
- PO1DE-01697-12 0021 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Expressive language abilities in cleft children.
- PO1DE-01697-12 0022 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Parent-child relationships.
- PO1DE-01697-12 0023 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Plagthemes of cleft-palate children.
- PO1DE-01697-12 0024 (SSS) ADLER, MARTIN. Interdisciplinary studies in cleft palate-Social status of teenagers with clefts and other minority groups.
- PO1DE-01697-12 0025 (SSS) PHILIPS, BETTY JANE. Interdisciplinary studies in cleft palate-Tongue postures in subjects with velopharyngeal valving problems.
- PO1DE-01697-12 0026 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Children with simple palatal closure compared to those with lengthening.
- PO1DE-01697-12 0027 (SSS) BENNETT, RICHARD. Interdisciplinary studies in cleft palate-Steroid hormone studies in mice.
- PO1DE-01697-12 0028 (SSS) FORREST, EDWARD J. Interdisciplinary studies in cleft palate-Middle ear fluid (human).
- RO1DE-01701-12 (DEN) TAMARIN, ARNOLD, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASH. Oral pathology-Electron microscopy (human, dogs, rats, rabbits, snails).
- RO1DE-01764-12 (DEN) SCHRAER, HARALD, PENNSYLVANIA STATE UNIV, 508 LIFE SCIENCES BLDG I, UNIVERSITY PARK, PA. Ultrastructural aspects of calcification (birds, rats).
- PO1DE-01766-12 (SSS) SZABO, GEORGE, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS. Ultrastructure and physiology of oral mucosa.
- PO1DE-01766-12 0004 (SSS) SZABO, GEORGE. Ultrastructure and physiology of oral mucosa-Melanogenesis of oral mucosa and skin (rodents, squid, human, chick).
- PO1DE-01766-12 0006 (SSS) WILGRAM, GEORGE F. Ultrastructure and physiology of oral mucosa-Pathology of keratinosomes in epidermal injury (human, mice, rats).
- PO1DE-01766-12 0007 (SSS) SHKLAR, GERALD. Ultrastructure and physiology of oral mucosa-Induction and suppression of oral cancer (hamsters).
- PO1DE-01766-12 0008 (SSS) WERNER, IRVING. Ultrastructure and physiology of oral mucosa-Control of growth and melanogenesis in cultured retinal pigment cells.
- RO1DE-01769-12 (DEN) EHRICH, FREDERICK R, POLYTECHNIC INST OF BROOKLYN, 333 JAY STREET, BROOKLYN, N Y. Dental restorative adhesives and coatings.
- PO1DE-01770-12 (SSS) GORLIN, ROBERT J, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN. Oral pathology.
- PO1DE-01770-12 0001 (SSS) GORLIN, ROBERT J. Oral pathology-Syndromes of head and neck (human).
- PO1DE-01770-12 0002 (SSS) VICKERS, ROBERT A. Oral pathology-Odontogenic tumors and cysts (human).
- PO1DE-01770-12 0003 (SSS) CERVENKA, JAROSLAV. Oral pathology-Epidemiology of minor congenital abnormalities of head and neck (human).
- PO1DE-01770-12 0004 (SSS) VICKERS, ROBERT A. Oral pathology-Candida albicans infections (human).
- PO1DE-01770-12 0005 (SSS) VICKERS, ROBERT A. Oral pathology-Tissue culture of oral tumors (human).
- PO1DE-01770-12 0006 (SSS) VICKERS, ROBERT A. Oral pathology-Computer scanning of histopathological specimens of oral diseases (human).
- PO1DE-01774-13 (SSS) COOPER, FRANKLIN S, HASKINS LABORATORIES, INC, 270 CROWN STREET, NEW HAVEN, CONN. Research program on dynamics of speech articulation (human).
- RO1DE-01784-12 (BM) PARKER, RICHARD B, UNIVERSITY OF OREGON, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Interactions of the oral microbiota (rabbits, mice).
- RO1DE-01830-12 (DEN) HIGUCHI, WILLIAM I, UNIVERSITY OF MICHIGAN, COLLEGE OF PHARMACY, ANN ARBOR, MICH. Quantitation of enamel demineralization mechanisms.
- PO1DE-01850-11 (DEP) SINGER, LEON, UNIVERSITY OF MINNESOTA, 227 MILLARD HALL, MINNEAPOLIS, MINN. Fluoride metabolism.
- PO1DE-01850-11 0010 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-State of fluoride in plasma.
- PO1DE-01850-11 0015 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Acute fluoride toxicity (rats).
- PO1DE-01850-11 0024 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Reduced fluoride and hematocrits of mouse pups.
- PO1DE-01850-11 0026 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride and fertility in male mice.
- PO1DE-01850-11 0027 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride levels of patients.
- PO1DE-01850-11 0033 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Abundance of fluoride in lunar specimens.
- PO1DE-01850-11 0034 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride and calcitonin function (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- PO1DE-01850-11 0035 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride and anemia in young mice.
- PO1DE-01850-11 0036 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride intake and chronic bleeding in male mice.
- PO1DE-01850-11 0037 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride intake and iron content of livers and spleens (rats).
- PO1DE-01850-11 0038 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride intake and composition of costal cartilage (rats).
- PO1DE-01850-11 0039 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride content of muscle (rabbits).
- PO1DE-01850-11 0040 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Ph and plasma ionic fluoride determinations.
- PO1DE-01850-11 0041 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride content of milk.
- PO1DE-01850-11 0042 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Bound fluoride and aluminum in plasma.
- PO1DE-01850-11 0043 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Calcium content of muscle.
- PO1DE-01850-11 0044 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Calcium determination in bone ash.
- PO1DE-01850-11 0043 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Reverse extraction for fluoride determination in biologicals.
- PO1DE-01850-11 0046 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Critical evaluation of fluoride analytical methods.
- PO1DE-01850-11 0047 (DEP) ARMSTRONG, WALLACE D. Fluoride metabolism-Fluoride content of treated sewage.
- PO1DE-01899-12 (SSS) PICKRELL, KENNETH L, DUKE UNIVERSITY MEDICAL CTR, DURHAM, N C. Habilitation of the cleft palate individual.
- PO1DE-01899-12 0002 (SSS) QUINN GALEN W. Habilitation of the cleft palate individual-Orthodontics (human).
- PO1DE-01899-12 0003 (SSS) MASSENGILL, RAYMOND M JR. Habilitation of the cleft palate individual-Speech pathology.
- PO1DE-01899-12 0004 (SSS) CLIFFORD EDWARD. Habilitation of the cleft palate individual-Psychological studies (children, parents).
- RO1DE-01912-11 (DEN) YOUNG, ROBERT A, GEORGIA INST OF TECH, ENG EXP STATION, ATLANTA, GEORGIA. Neutron diffraction studies of tooth components (human).
- RO1DE-01919-12 (BDCA) WYCKOFF, RALPH W, UNIVERSITY OF ARIZONA, DEPARTMENT OF PHYSICS, TUCSON, ARIZ. Biophysical methods applied to tooth (dinosaur).
- RO1DE-01922-11 (DEN) HAUSMANN, ERNEST, STATE UNIV OF N Y AT BUFFALO, SCHOOL OF DENTISTRY, BUFFALO, N Y. Oral bacteria and periodontal disease (guinea pigs, rabbits, monkeys).
- PO1DE-01945-11 (DEP) POSNER, AARON S, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70TH STREET, NEW YORK, N Y. Ultrastructure of hard tissue.
- PO1DE-01945-11 0001 (DEP) POSNER, AARON S. Ultrastructure of hard tissue-Structure of diseased bone (human, rats, rabbits, chickens).
- PO1DE-01945-11 0003 (DEP) POSNER, AARON S. Ultrastructure of hard tissue-Dental studies (human, rats).
- PO1DE-01945-11 0011 (DEP) POSNER, AARON S. Ultrastructure of hard tissue-Chemical studies.
- RO1DE-02017-10 (SSS) ASGAR, KAMAL, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Various phases in chromium-cobalt alloys.
- RO1DE-02103-10 (SSS) URIST, MARSHALL R, UNIVERSITY OF CALIFORNIA, 1000 VETERAN AVE, RM A3-34, LOS ANGELES, CALIF. Inductive substrates for tooth and bone formation.
- RO1DE-02103-10 0017 (SSS) URIST, MARSHALL R. Inductive substrates for tooth and bone formation-Bioassay of bone morphogenic properties (rats).
- RO1DE-02103-10 0018 (SSS) URIST, MARSHALL R. Inductive substrates for tooth and bone formation-Isolation of components of bone morphogenic systems (animals, human).
- RO1DE-02103-10 0019 (SSS) URIST, MARSHALL R. Inductive substrates for tooth and bone formation-Species specific properties of bone morphogenic matrix of the mouse.
- RO1DE-02103-10 0020 (SSS) URIST, MARSHALL R. Inductive substrates for tooth and bone formation-Is osteopetrosis a disorder of bone morphogenic matrix (mice, human).
- RO1DE-02103-10 0021 (SSS) URIST, MARSHALL R. Inductive substrates for tooth and bone formation-Polysaccharides, proteins during mesenchymal cells phenotype transformation (rat).
- RO1DE-02110-10 (PHY) SCHNEYER, LEON H, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. Study of salivary gland structure and function.
- PO1DE-02111-10 (SSS) WILSDORF, HEINZ G, DEPARTMENT OF MATERIALS SCIENC, UNIVERSITY OF VIRGINIA, CHARLOTTEVILLE, VA. Synthetic and natural dental materials.
- PO1DE-02111-10 0001 (SSS) JOHNSON, LEWIS B. Synthetic and natural dental materials-Strength and structure of dental amalgam.
- PO1DE-02111-10 0002 (SSS) LAWLESS, KENNETH R. Synthetic and natural dental materials-Adsorption and corrosion studies.
- PO1DE-02111-10 0003 (SSS) MULLER, FREDERICK A. Synthetic and natural dental materials-Crystallography of biomaterials.
- RO1DE-02120-10 (DEN) SREBNY, LEO M, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASH. Salivary gland DNases (rats).
- RO1DE-02147-10 (DEN) MATEER, RICHARD S, UNIVERSITY OF KEN, COLL OF ENG, LEXINGTON, KY. Phase equilibrium and setting in dental amalgams (human).
- RO1DE-02152-09 (SSS) BROWN, ARTHUR C, UNIVERSITY OF WASHINGTON, G-409 HLTH SCIS BLDG, SEATTLE, WASH. Dental physiology and biophysics.
- RO1DE-02152-09 0001 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Pharmacological and metabolic control of tooth pulp pressure (dogs).
- RO1DE-02152-09 0002 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Spatial spread of pulp inflammation (dogs).
- RO1DE-02152-09 0003 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Effect of mechanical tooth displacement on pulp circulation (dogs).
- RO1DE-02152-09 0004 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Microcinematography of tooth pulp circulation (dogs).
- RO1DE-02152-09 0005 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Pulp capillary pressure measurement with a microelectrode transduce (dogs).
- RO1DE-02152-09 0006 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Measurement of pulp blood flow by tritiated water uptake.
- RO1DE-02152-09 0007 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Role of pressure in tooth eruption (dogs).
- RO1DE-02152-09 0008 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Physical properties of the tooth (human, dogs).
- RO1DE-02152-09 0009 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Electrical impedance of pulp tissue.
- RO1DE-02152-09 0010 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Pulp temperature changes and thermal conductivity (dogs).
- RO1DE-02152-09 0011 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Parodontal circulation (monkeys).
- RO1DE-02152-09 0012 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Neurophysiology of the tooth.
- RO1DE-02152-09 0013 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Response characteristics of pulp activated cortical cells (monkeys).
- RO1DE-02152-09 0014 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Analgesics and pulpal pain (mammals).
- RO1DE-02152-09 0015 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Cerebral cortex and elaboration of pain (mammals).
- RO1DE-02152-09 0016 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Interaction of noxious and vibratory stimuli (human).
- RO1DE-02152-09 0017 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Sensory threshold to pressure stimulation of pulpal tissue.
- RO1DE-02152-09 0018 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Human response to tooth thermal stimulation.
- RO1DE-02152-09 0019 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Neurophysiology of taste and chemosensation (mammals, fish).
- RO1DE-02152-09 0020 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Dental aspects of speech.
- RO1DE-02152-09 0021 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Mechanisms of pulpal sensation in humans.
- RO1DE-02152-09 0022 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Contribution of pulp to tooth percussion sensitivity (human).
- RO1DE-02152-09 0023 (SSS) BROWN, ARTHUR C. Dental physiology and biophysics-Chemical induction of calcific repair (primates).
- PO2DE-02172-10 (SSS) COOPER, HERBERT K, SR, LANCASTER CLEFT PALATE CLINIC, 24 NORTH LIME STREET, LANCASTER, PA. Oral-facial communicative disorders.
- PO2DE-02172-10 0002 (SSS) HARDING, ROBERT L. Oral-facial communicative disorders-Surgery (children).
- PO2DE-02172-10 0003 (SSS) MAZAHARI, MOHAMMED. Oral-facial communicative disorders-Dentistry (children).
- PO2DE-02172-10 0004 (SSS) COLEMAN, RALPH. Oral-facial communicative disorders-Speech and hearing (children).
- PO2DE-02172-10 0005 (SSS) PLOTKIN, ROSALIE R. Oral-facial communicative disorders-Psychology and sociology (human).
- PO2DE-02172-10 0003 (SSS) DRONAMRAJU, KRISHNA R. Oral-facial communicative disorders-Human genetics.
- RO1DE-02183-10 (DEN) BRUDEVOLD, FINN, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS. Chemistry of enamel surface (human).
- NO1DE-02238-06 (***) BOWEN, JOHN, PHILADELPHIA, PENNSYLVANIA. Adhesive mechanism of different species of sea mussel.
- RO1DE-02241-09 (DEN) KALLENRACH, ERNST A, UNIVERSITY OF FLORIDA, DEPT OF NEUROSCIENCE, GAINESVILLE, FLA. Analysis of some functions of the enamel organ (rats).
- RO1DE-02301-08 (PC) KALNITSKY, GEORGE, UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Protolytic enzymes in bovine dental pulp.
- RO1DE-02309-08 (DEN) SICHER, HARRY, LOYOLA UNIVERSITY, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL. Comparative anatomy of feeding organs (mammals, reptiles).
- RO1DE-02320-09 (DEN) MAHLER, DAVID B, UNIV OF OREGON DENTAL SCHOOL, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Clinical behavior of dental restorative materials.
- RO1DE-02329-09 (DEN) TAMARIN, ARNOLD, UNIV OF WASHINGTON SCH OF DENT, DEPT OF ORAL BIOLOGY, SEATTLE, WASH. Granule synthesis in salivary glands (dogs, rats, mice, sea mussels).
- RO1DE-02342-07 (DEN) MEYER, JULIA, UNIVERSITY OF ILLINOIS, 808 SOUTH WOOD STREET, RM 384, CHICAGO, ILL. Normal and altered oral mucosa (rats).
- RO1DE-02452-08 (DEN) GILMOUR, MARION N, EASTMAN DENTAL CENTER, 800 MAIN ST EAST, BOX 879, ROCHESTER, N Y. Acid production and dental plaque (human).
- RO1DE-02455-08 (DEN) WATERSTRAT, RICHARD M, AMERICAN DENTAL ASSOCIATION, NATL BUR OF STANDARDS, WASHINGTON, D C. Constitution diagrams for alloys of the noble metals.
- RO1DE-02494-08 (DEN) BOWEN, RAFAEL L, NATL BUREAU OF STANDARDS, AMERICAN DENTAL ASSOCIATION, WASHINGTON, D C. Development of an adhesive restorative material (human).
- RO1DE-02525-08 (DEN) SCOTT, DAVID B, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OHIO. The structure and properties of human dental enamel.
- PO1DE-02552-03 (SSS) ZINNER, DORAN D, UNIV OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Microbial pathogenesis of human dental caries.
- PO1DE-02552-08 0001 (SSS) ZINNER, DORAN D. Microbial pathogenesis of human dental caries-Epidemiology.
- PO1DE-02552-08 0002 (SSS) ZINNER, DORAN D. Microbial pathogenesis of human dental caries-Microbiology.
- PO1DE-02552-08 0003 (SSS) ZINNER, DORAN D. Microbial pathogenesis of human dental caries-Biochemistry (Streptococci, hamsters).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P13DE-02600-08 (DSR) SREBNY, LEO M. UNIVERSITY OF WASHINGTON, CTR FOR RES IN ORAL BIOL RD-50, SEATTLE, WASH. Planning of a research center in oral biology.
- P13DE-02600-08 0001 (DSR) PAGE, ROY C. Planning of a research center in oral biology-Periodontal disease epithelium in primates human, marmoset, dogs, chickens).
- P13DE-02600-08 0002 (DSR) BAYLINK, DAVID J. Planning of a research center in oral biology-Quality of bone in dental diseases (human, rats).
- P13DE-02600-08 0004 (DSR) BALL, WILLIAM D. Planning of a research center in oral biology-Control of the formation of cell-specific proteins (rats).
- P13DE-02600-08 0005 (DSR) KELLER, PATRICIA J. Planning of a research center in oral biology-Human parotid proteins.
- P13DE-02600-08 0008 (DSR) ENWONWU, CYRIL O. Planning of a research center in oral biology-Nutrients and oral and paraoral structure (rats).
- P13DE-02600-08 0009 (DSR) SIEGEL, IVENS A. Planning of a research center in oral biology-Ion transport in salivary glands (dogs, rabbits).
- P13DE-02600-08 0012 (DSR) MUIR, LARRY W. Planning of a research center in oral biology-Characterization of the microfibrils of connective tissue.
- P13DE-02600-08 0013 (DSR) NICHOLS, JACK I. Planning of a research center in oral biology-Rheology of the periodontal ligament (monkeys, dogs).
- P13DE-02600-08 0014 (DSR) ROBINOVITCH, MURRAY R. Planning of a research center in oral biology-Membrane biosynthesis and degradation in parotid gland.
- P13DE-02600-08 0015 (DSR) BORNSTEIN, PAUL. Planning of a research center in oral biology-Control of collagen synthesis and degradation.
- P13DE-02600-08 0018 (DSR) STERN, IRVING B. Planning of a research center in oral biology-Keratinization of epidermis and oral epithelium.
- P13DE-02600-08 0019 (DSR) STORB, URSULA B. Planning of a research center in oral biology-Immunoglobulin gene analysis by RNA-DNA hybridization (mice, rabbits).
- P13DE-02600-08 0020 (DSR) SHERRIS, JOHN C. Planning of a research center in oral biology-Oral microflora and periodontal disease (human).
- P13DE-02600-08 0021 (DSR) PEARSALL, NANCY N. Planning of a research center in oral biology-Immunological response to opportunistic fungi (mice).
- P13DE-02600-08 0023 (DSR) ODLAND, GEORGE F. Planning of a research center in oral biology-Human epidermal differentiation.
- P13DE-02600-08 0031 (DSR) PINK, B RAYMOND. Planning of a research center in oral biology-Axonal transport in the trigeminal nerve (rats).
- P13DE-02600-08 0032 (DSR) FORDYCE, WILBERT E. Planning of a research center in oral biology-Distorted feedback on work output in chronic pain patients.
- P13DE-02600-08 0033 (DSR) FOWLER, ROY S. Planning of a research center in oral biology-Relaxation vs relaxation tension training (human).
- P13DE-02600-08 0036 (DSR) STIEFEL, DORIS. Planning of a research center in oral biology-Formation and properties of acquired dental pellicle.
- P13DE-02600-08 0037 (DSR) DALY, COLIN H. Planning of a research center in oral biology-Thickness measurements and effect of stress on oral mucoperiosteum (dogs).
- P13DE-02600-08 0038 (DSR) SHAW, MARION L. Planning of a research center in oral biology-Molecular transport and partition in interstitial gel.
- P13DE-02623-08 (DSR) WILLIAMS, NED B, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA. Center for oral health research.
- P13DE-02623-08 0010 (DSR) SHAPIRO, IRVING M. Center for oral health research-Mitochondrion and the mineralization process (chickens).
- P13DE-02623-08 0011 (DSR) SHAPIRO, IRVING M. Center for oral health research-Detecting subclinical lead poisoning using primary teeth.
- P13DE-02623-08 0012 (DSR) ROSENBLOOM, JOEL. Center for oral health research-Collagen synthesis and extrusion by fibroblasts in culture.
- P13DE-02623-08 0013 (DSR) ROSENBLOOM, JOEL. Center for oral health research-Characterization of collagens (rats).
- P13DE-02623-08 0014 (DSR) MARSH, JULIAN B. Center for oral health research-Gingival lipids (human, swine).
- P13DE-02623-08 0015 (DSR) HEROLD, RICHARD C. Center for oral health research-Ontogeny and repair of experimentally induced dysplasias (rats, guinea pigs).
- P13DE-02623-08 0016 (DSR) LEVENSON, GORDON B. Center for oral health research-Ontogeny and repair of experimentally induced dysplasias.
- P13DE-02623-08 0017 (DSR) EISENBERG, ROSELYN J. Center for oral health research-Growth, morphology and lactic acid metabolism of bacteria.
- P13DE-02623-08 0018 (DSR) HAMMOND, BENJAMIN F. Center for oral health research-Biochemistry of morphogenesis in oral micro-organisms (rats).
- P13DE-02623-08 0019 (DSR) ROSAN, BURTON. Center for oral health research-Analytical serology of the oral streptococci.
- P13DE-02623-08 0020 (DSR) MONTGOMERY, PAUL C. Center for oral health research-Secretory antibody response.
- P13DE-02623-08 0021 (DSR) LISTGARTEN, M A. Center for oral health research-Ultrastructure of periodontal tissues (human, primates).
- P13DE-02623-08 0022 (DSR) LISTGARTEN, M A. Center for oral health research-Periodontal tissue and dental plaque.
- P13DE-02623-08 0023 (DSR) LAI, C H. Center for oral health research-Localization of purified bacterial antigens in dental plaque (streptococcus).
- P13DE-02623-08 0024 (DSR) COHEN, GARY, H. Center for oral health research-Replication of herpes simplex virus (type 1 oral) in synchronized mammalian cells.
- P13DE-02623-08 0025 (DSR) HEROLD, RICHARD C. Center for oral health research-Molecular structure of oral tissues.
- P13DE-02623-08 0026 (DSR) EISENBERG, ROSELYN J. Center for oral health research-Molecular biology of oral bacteria.
- P13DE-02623-08 0027 (DSR) FIDLER, ISAIAM J. Center for oral health research-Immunobiology of the oral cavity.
- P13DE-02623-08 0028 (DSR) BATTERMAN, STEVEN C. Center for oral health research-Dental sealants (cats, dogs).
- P13DE-02623-08 0029 (DSR) MCARTHUR, WILLIAM P. Center for oral health research-Interaction of oral bacteria and inflammatory cells (rats, human).
- RO1DE-02633-07 (DEN) CHIERICI, GEORGE J, UNIVERSITY OF CALIFORNIA, SECTION OF OROFACIAL ANOMALIES, SAN FRANCISCO, CALIF. Primate experiment on skull asymmetry in cleft palate.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1DE-02636-00 (PTMB) CATCHPOLE, HUBERT R, UNIVERSITY OF ILLINOIS MED CTR, 1853 WEST POLK STREET, CHICAGO, ILL. Mobilization of connective tissue components (rabbits, rats, human).
- RO1DE-02644-07 (EDC) CHUNG, CHIN S, UNIVERSITY OF HAWAII, 1960 EAST-WEST ROAD, HONOLULU, HAWAII. Population studies of oral diseases in Hawaii (human).
- RO1DE-02659-08 (SSS) BROWN, WALTER E, NATIONAL BUREAU OF STANDARDS, RESEARCH UNIT, WASHINGTON, D C. Solubility and diffusion of calcium phosphates.
- RO1DE-02659-08 0001 (SSS) BROWN, WALTER ERIC. Solubility and diffusion of calcium phosphates-Enamel and bone solubility (human).
- RO1DE-02659-03 0002 (SSS) BROWN, WALTER ERIC. Solubility and diffusion of calcium phosphates-Topical fluoridation of tooth enamel (human).
- RO1DE-02659-03 0003 (SSS) BROWN, WALTER ERIC. Solubility and diffusion of calcium phosphates-Etching technique and remineralization of white spot.
- RO1DE-02659-08 0004 (SSS) BROWN, WALTER ERIC. Solubility and diffusion of calcium phosphates-Mechanism of dental caries (models).
- P13DE-02668-08 (DSR) SMILEY, GARY R, UNIVERSITY OF NORTH CAROLINA, DENTAL RESEARCH CENTER, CHAPEL HILL, N C. Dental research center.
- P13DE-02668-08 0001 (DSR) ALLEN, GEORGE D. Dental research center-Mechanisms of vocalization (human).
- P13DE-02668-08 0002 (DSR) COFFEY, JAMES C. Dental research center-Growth mechanisms (rats).
- P13DE-02668-08 0003 (DSR) CRENSHAW, MALES A. Dental research center-Mineral metabolism (mollusks).
- P13DE-02668-08 0004 (DSR) GREGG, JOHN M. Dental research center-Neural mechanisms (human, rats, primates).
- P13DE-02668-08 0005 (DSR) HANKER, JACOB S. Dental research center-Neural mechanisms (mammals nonhuman).
- P13DE-02668-08 0006 (DSR) LATHAM, RALPH A. Dental research center-Growth mechanisms-Experimental maxillary orthopedics (human).
- P13DE-02668-08 0007 (DSR) LUBKER, JAMES F. Dental research center-Mechanisms of vocalization (human).
- P13DE-02668-08 0009 (DSR) MECHANIC, GERALD L. Dental research center-Mineral metabolism (mammals, nonhuman).
- P13DE-02668-08 0010 (DSR) NEFF, JERRY M. Dental research center-Mineral metabolism (mollusks).
- P13DE-02668-08 0012 (DSR) RAMP, WARREN K. Dental research center-Mineral metabolism (chick embryo, rats).
- P13DE-02668-08 0013 (DSR) SILVERMAN, MYRON S. Dental research center-Immunological mechanisms (hamsters, mice, rats).
- P13DE-02668-08 0014 (DSR) SMILEY, GARY R. Dental research center-Growth mechanisms (mice, rabbits).
- P13DE-02668-08 0015 (DSR) TOVERUD, SVERN U. Dental research center-Mineral metabolism (chick embryo, rats).
- P13DE-02668-08 0016 (DSR) WADDELL, WILLIAM J. Dental research center-Fine structure of the trigeminal ganglion (chickens, primates, rodents, human).
- P13DE-02668-08 0017 (DSR) DIXON, ANDREW D. Dental research center-Structure and function of the oral sensory apparatus (human).
- P13DE-02668-08 0018 (DSR) WADDELL, WILLIAM J. Dental research center-PH: values at the subcellular and molecular levels.
- P13DE-02668-08 0019 (DSR) WARREN, DONALD. Dental research center-Vocalization mechanisms.
- P13DE-02668-08 0020 (DSR) CRAWFORD, J J. Dental research center-Granulocytic leukocytes in periodontal disease (hamsters).
- P13DE-02668-08 0021 (DSR) WADDELL, WILLIAM J. Dental research center-Control of growth by steroid hormones.
- P13DE-02668-08 0022 (DSR) LUNDBLAD, ROGER L. Dental research center-Growth mechanisms.
- P13DE-02668-08 0023 (DSR) DIXON, ANDREW D. Dental research center-Biomaterials (human).
- P13DE-02668-08 0024 (DSR) LUNDBLAD, ROGER L. Dental research center-Hemostatic mechanisms.
- P13DE-02670-08 (DSR) FULLMER, HAROLD M, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Institute of Dental Research.
- RO1DE-02678-07 (DEN) BASERGA, RENATO L, TEMPLE UNIVERSITY SCH OF MED, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Isoproterenol-stimulated salivary gland (mice).
- RO1DE-02716-06 (DEN) SKINNER, M CATHERINE, DEPARTMENT OF SURGERY, 333 CEDAR STREET, NEW HAVEN, CONN. Mineralogy of calcifying tissues-Teeth and bones (human, sheep).
- P13DE-02731-08 (DSR) MANN, WILLIAM R, UNIVERSITY OF MICHIGAN, SCHOOL OF DENTISTRY, ANN ARBOR, MICH. Development support for dental research institute.
- P13DE-02731-03 0001 (DSR) LOESCHE, WALTER J. Development support for dental research institute-Dental plaque bacteriology (human, rodent).
- P13DE-02731-08 0002 (DSR) DZIEWIATKOWSKI DOMINIC D. Development support for dental research institute-Skeleton biochemistry (rabbits, rats, ungulates).
- P13DE-02731-03 0003 (DSR) SHIPMAN CHARLES JR. Development support for dental research institute-Dental virology.
- P13DE-02731-03 0004 (DSR) RUDDON, RAYMOND W. Development support for dental research institute-Dental pharmacology (human, rats, mice).
- P13DE-02731-08 0005 (DSR) HAN, SEONG S. Development support for dental research institute-Dental research (rats, cattle, human).
- P13DE-02731-08 0006 (DSR) HANKS, CARL T. Development support for dental research institute-Dental research experimental pathology (human, rats, mice, rabbits).
- P13DE-02731-08 0007 (DSR) AVERY, JAMES K. Development support for dental research institute-Oral histology (primates, mice, rats).
- P13DE-02731-08 0008 (DSR) KOWALSKI, CHARLES J. Development support for dental research institute-Dental biometrics (human).
- P13DE-02731-08 0009 (DSR) LANG, BRIEN R. Development support for dental research institute-Dental prosthetics-mechanics (human, rats).
- P13DE-02731-08 0010 (DSR) KLEIN, JAN. Development support for dental research institute-Dental research transplantation genetics (human, mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P13DE-02731-08 0011 (DSR) ASH, MAJOR M JR. Development support for dental research institute-Dental research bioengineering (human).
- RO1DE-02739-05 (DEN) HARVOLD, EGN P, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Experimental study of etiology of dental malocclusion (monkeys).
- RO1DE-02771-06 (DEN) BROWN, WAYNE S, UNIVERSITY OF UTAH, INST OF BIOMEDICAL ENGR, SALT LAKE CITY, UTAH. Thermal aspects of dental restorative procedures.
- RO1DE-02774-07 (DEN) AVERY, JAMES K, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Tissue interaction in dental development (mice).
- RO1DE-02815-06 (CMS) RINGEL, ROBERT L, PURDUE UNIVERSITY, DEPT OF AUDIOLOGY & SPEECH SCI, LAFAYETTE, IND. Dental-oral physiology-Speech sensory processes (human).
- RO1DE-02846-06 (DEN) PLATT, DAVID, UNIVERSITY OF PITTSBURGH, SCHOOL OF DENTAL MEDICINE, PITTSBURGH, PA. Hypersensitivity, natural tolerance and periodontal disease (rat).
- PO1DE-02847-06 (SSS) GIBBONS, RONALD J, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS. Microbial ecology and its relation to dental disease.
- PO1DE-02847-06 0005 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Chemotherapeutic approaches for dental caries control.
- PO1DE-02847-06 0006 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Microbiota associated with coronal caries (human).
- PO1DE-02847-06 0007 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Bacteria associated with human root carious lesions (also laboratory animals).
- PO1DE-02847-06 0008 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Microbial composition of plaque in periodontal health and disease (human).
- PO1DE-02847-06 0009 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Intraoral localization of bacteria (human).
- PO1DE-02847-06 0010 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Pathogenic potential of human oral bacteria (rodents).
- PO1DE-02847-06 0011 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Animal model of bacterial implantation, transmission in the oral cavity (rodents).
- PO1DE-02847-06 0012 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Oral establishment of S mutans and other bacteria in humans.
- PO1DE-02847-06 0013 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Effect of dental manipulations on spread of S mutans (human).
- PO1DE-02847-06 0014 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Adsorption of edontopathic bacteria to hydroxy apatite surfaces (human).
- PO1DE-02847-06 0015 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Surface components of bacteria adhering to teeth and oral epithelia (rats, human).
- PO1DE-02847-06 0016 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Ability of materials to modify bacterial adherence to oral surfaces (rats, human).
- PO1DE-02847-06 0017 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Bacterial adherence and tissue predilection of pathogenic bacteria (human).
- PO1DE-02847-06 0018 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Techniques for identification of potentially edontopathic bacteria.
- PO1DE-02847-06 0019 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease-Develop a selective culture medium for S mutans.
- PO1DE-02848-06 (SSS) SLAVKIN, HAROLD C, UNIV OF SOUTHERN CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, LOS ANGELES, CALIF. Biology of connective tissue, bones and teeth.
- PO1DE-02848-06 0001 (SSS) SKAVKIN, HAROLD C. Biology of connective tissue, bones and teeth-Cellular-molecular interactions in odontogenesis (rabbits, chick embryo, mice).
- PO1DE-02848-06 0010 (SSS) BEKHOR, ISAAC. Biology of connective tissue, bones and teeth-Genetic regulation during salivary gland development (rabbits, mice).
- PO1DE-02848-06 0011 (SSS) DENNY, PAUL. Biology of connective tissue, bones and teeth-Translational regulation during cranial facial development (rats).
- PO1DE-02848-06 0012 (SSS) FINCH, CALEB E. Biology of connective tissue, bones and teeth-Chromatin, gene function, and aging (mice).
- PO1DE-02848-06 0013 (SSS) KUETTNER, KLAUS. Biology of connective tissue, bones and teeth-Cell differentiation in mineralizing tissues (rats, rabbits, chick embryo).
- PO1DE-02848-06 0014 (SSS) MILLS, BARBARA. Biology of connective tissue, bones and teeth-Maternal epigenetic factors which influence craniofacial development (rabbits).
- PO1DE-02848-06 0015 (SSS) MINKIN, CEDRIC. Biology of connective tissue, bones and teeth-Craniofacial bone remodeling and cell differentiation (mice).
- PO1DE-02848-06 0016 (SSS) MOOSER, GREGORY. Biology of connective tissue, bones and teeth-.
- PO1DE-02848-06 0017 (SSS) NIMNI, MARCEL. Biology of connective tissue, bones and teeth-Collagen and glycosaminoglycan metabolism in the periodontium (marmosets, human).
- PO1DE-02848-06 0018 (SSS) SCHAEFER, DANIEL. Biology of connective tissue, bones and teeth-Relationship of cyclic AMP to embryogenesis of salivary gland function (rats).
- PO1DE-02848-06 0019 (SSS) SORGENTE, NINO. Biology of connective tissue, bones and teeth-Vascularization and avascularization (chick embryo, rabbits, hamsters).
- PO1DE-02848-06 0020 (SSS) TRUMP, GARY N. Biology of connective tissue, bones and teeth-Development of pituitary gland and immunocompetence (mice).
- PO1DE-02848-06 0021 (SSS) IDOYAGA-VARGAS, VICTOR. Biology of connective tissue, bones and teeth-Mechanisms of closure during mammalian secondary palate (rats).
- PO1DE-02849-06 (SSS) GOLDHABER, PAUL, HARVARD SCHOOL OF DENTAL MED, 188 LONGWOOD AVENUE, BOSTON, MASS. Mechanism and treatment of periodontal disease.
- PO1DE-02849-06 0004 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Bone resorption from fibrosarcoma (mice).
- PO1DE-02849-06 0005 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Bone resorption stimulating factors from human gingiva (mice).
- PO1DE-02849-06 0006 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Bone resorption stimulating factors (human).
- PO1DE-02849-06 0012 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Parathyroid hormone-calcitonin-prostaglandin in periodontal disease (human, dogs).
- PO1DE-02849-06 0013 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Evaluation of topical fluorid for periodontal disease (dogs).
- PO1DE-02849-06 0015 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Gantrisin and its effectiveness against periodontal syndrome (dogs).
- PO1DE-02849-06 0018 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Radiosotope scanning techniques and mineral metabolism of alveolar bone (human).
- PO1DE-02849-06 0024 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Effect of ascorbic acid on bone remodeling (mice).
- PO1DE-02849-06 0026 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Bone stimulating factor in media of cultured gingival fragments (human).
- PO1DE-02349-06 0027 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Studies of gingival factors which stimulates bone resorption (human).
- PO1DE-02849-06 0028 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Effect of prostaglandin on bone remodeling in tissue culture.
- PO1DE-02849-06 0029 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Production of bone-resorbing substances by cultured gingival fragments and cells.
- PO1DE-02849-06 0030 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Study of factors activating or inhibiting mouse bone collagenase.
- PO1DE-02849-06 0021 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Isolation of tissue collagenase from homogenates of embryonic chick bones.
- PO1DE-02849-06 0022 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Nature of peptides released from bone during collagen biosynthesis.
- PO1DE-02849-06 0033 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-To establish a better method for obtaining a healthy periodontium in beagles.
- PO1DE-02849-06 0034 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-To determine the bone seeking isotope of choice.
- PO1DE-02849-06 0035 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Autoradiography and tetracycline labeling in periodontal disease (dogs).
- PO1DE-02849-06 0036 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-To determine scanning and point (dogs).
- PO1DE-02849-06 0037 (SSS) GOLDHABER, PAUL. Mechanism and treatment of periodontal disease-Purification of mouse bone collagenase.
- RO1DE-02852-07 (HEB) WALKER, BRUCE E, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF ANATOMY, EAST LANSING, MICH. Development of the palate and lip (mice, rats, rabbits).
- RO1DE-02858-15 (DEN) BJORK, ARNE, ROYAL DENTAL COLLEGE, UNIVERSITETSPARKEN 4, COPENHAGEN 2100, DENMARK. Facial growth studies with metallic implants (human).
- RO1DE-02862-09 (DEN) RICHARDSON, BLISHA R, MEHARRY MEDICAL COLLEGE, 1005 18TH AVE, NORTH BOX 33A, NASHVILLE, TENN. Growth and development of the human head.
- RO1DE-02863-07 (DEN) KOCH, WILLIAM E, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Differentiation of embryonic tooth rudiments in vitro (mice).
- PO1DE-02872-05 (SSS) PRUZANSKY, SAMUEL, POST OFFICE BOX 6998, CHICAGO, ILL. Craniofacial anomalies.
- PO1DE-02872-05 0004 (SSS) ADUSS, H. Craniofacial anomalies-Shape and growth of mandible in mandibulofacial dysostosis (human).
- PO1DE-02872-05 0010 (SSS) WALKER, GEOFFREY F. Craniofacial anomalies-Digitization of roentgencephalometric data (human).
- PO1DE-02872-05 0011 (SSS) ASCHINBERG, MARIA. Craniofacial anomalies-Are hemifacial microsomia and oculo-auriculo-vertebral dysplasia same syndrome.
- PO1DE-02872-05 0013 (SSS) PRUZANSKY, SAMUEL. Craniofacial anomalies-Growth studies in Pierre Robin syndrome (human).
- PO1DE-02872-05 0014 (SSS) ASCHINBERG, MARIA. Craniofacial anomalies-Genetics and diagnosis of congenital palatopharyngeal incompetence (human).
- PO1DE-02872-05 0015 (SSS) ADUSS, HOWARD. Craniofacial anomalies-Longitudinal study in complete unilateral cleft lip and palate (human).
- PO1DE-02872-05 0018 (SSS) PRUZANSKY, SAMUEL. Craniofacial anomalies-Data bank (human).
- PO1DE-02872-05 0019 (SSS) HIRSCHFELD, WILLIAM J. Craniofacial anomalies-Biostatistics (human).
- PO1DE-02872-05 0020 (SSS) PRUZANSKY, SAMUEL. Craniofacial anomalies-Natural history of congenital palato-pharyngeal incompetence.
- PO1DE-02872-05 0021 (SSS) PRUZANSKY, SAMUEL. Craniofacial anomalies-Otocephalic syndromes (human).
- PO1DE-02872-05 0022 (SSS) ASCHINBERG, MARIA. Craniofacial anomalies-Genetics of the Pierre Robin syndrome (human).
- PO1DE-02872-05 0023 (SSS) PRUZANSKY, SAMUEL. Craniofacial anomalies-Premature craniofacial synostoses (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PO1DE-02872-05 0024 (SSS) BERKOWITZ, SAMUEL. Craniofacial anomalies—Biostereometrics (children).
- PO1DE-02872-05 0025 (SSS) PRUZANSKY, DONNA. Craniofacial anomalies—Height, weight and head of infants with cleft lip and/or palate.
- PO1DE-02872-05 0026 (SSS) CALDARELLI, DAVID. Craniofacial anomalies—Management of otitis media in infants with clefts.
- PO1DE-02872-05 0027 (SSS) ASCHINBERG, MARIA. Craniofacial anomalies—Facial clefts in different syndromes (human).
- PO1DE-02872-05 0028 (SSS) PRUZANSKY, SAMUEL. Craniofacial anomalies—Roentgencephalometric analysis of Cornelia de Lange syndrome (human).
- PO1DE-02872-05 0029 (SSS) PETERSON S. Craniofacial anomalies—Speech and hearing testing (children, young adults).
- PO1DE-02872-05 0030 (SSS) SOLOMON, LAWRENCE. Craniofacial anomalies—Atopic dermatitis (human).
- PO1DE-02872-05 0031 (SSS) CATALANOTTO, FRANK. Craniofacial anomalies—Oral sensation and perception in patients with orofacial malformations.
- PO1DE-02872-05 0032 (SSS) BELIGERE, NAGAMANI. Craniofacial anomalies—ECG survey of families of patients with facial clefts.
- PO1DE-02872-05 0033 (SSS) WALKER, GEOFFREY F. Craniofacial anomalies—The architectonics of craniofacial skeleton in Pierre Robin syndrome (children).
- PO1DE-02873-06 (SSS) MOORREES, COENRAAD F, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS. Facial and dental growth in pre and post adolescents.
- RO1DE-02879-03 (DEN) FRITZ, MICHAEL E, EMORY UNIVERSITY, 1462 CLIFTON ROAD, N E, ATLANTA, GA. Ion transport in salivary glands (cats).
- RO1DE-02899-06 (DEN) LASKIN, DANIEL M, UNIVERSITY OF ILLINOIS, P O BOX 6998, CHICAGO, ILL. Psychophysiology of the TMJ dysfunction syndrome (human).
- RO1DE-02901-06 (ALY) BLEIWEIS, ARNOLD S, UNIVERSITY OF FLORIDA, 1053 MC CARTY HALL, GAINESVILLE, FLA. Cell wall antigens of cariogenic streptococci (human, rabbits).
- PO1DE-02918-06 (SSS) SMITH, ORVILLE A, JR, UNIVERSITY OF WASHINGTON, 1-421 CANCER-PRIMATE BLDG, SEATTLE, WASH. Oral-facial growth and development in primates.
- PO1DE-02918-06 0001 (SSS) SWINDLER, DARIS R. Oral-facial growth and development in primates—Dental developmental genetics (Papio, Macaca).
- PO1DE-02918-06 0002 (SSS) MOFFETT, BENJAMIN C JR. Oral-facial growth and development in primates—Prenatal and postnatal craniofacial development (Macaca, Papio).
- PO1DE-02918-06 0004 (SSS) SHEPARD, T. Oral-facial growth and development in primates—Production and treatment of cleft lip and palate (M mulatta).
- PO1DE-02918-06 0006 (SSS) LUSCHEI, ERICH S. Oral-facial growth and development in primates—Temperomandibular joint response to loading forces (M nemestrina).
- PO1DE-02918-06 0007 (SSS) LUSCHEI, ERICH S. Oral-facial growth and development in primates—Mastication (M nemestrina).
- PO1DE-02918-06 0008 (SSS) HARRINGTON, GERALD W. Oral-facial growth and development in primates—Tooth replantation.
- PO1DE-02918-06 0009 (SSS) LEVINE, SHEPPARD M. Oral-facial growth and development in primates—Effect of inadequate zone of gingiva on periodontium (M mulatta).
- PO1DE-02918-06 0010 (SSS) SMITH, DALE E. Oral-facial growth and development in primates—Nonbiologic implant support for overdentures.
- PO1DE-02918-06 0011 (SSS) HOOLEY, JAMES R. Oral-facial growth and development in primates—Unilateral condylar hypoplasia and facial symmetry (M nemestrina).
- PO1DE-02918-06 0012 (SSS) HOOLEY, JAMES R. Oral-facial growth and development in primates—Surgical lengthening of superior lip (Erythrocebus patas).
- RO1DE-02931-06 (DEN) MOFFETT, BENJAMIN C, JR, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASH. Morphology of periodontal and temporomandibular joint (primates).
- RO1DE-02933-06 (HED) SHERMAN, BURTON S, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Hypervitaminosis A and altered dentofacial development (mice).
- RO1DE-02934-05 (SSS) SHANNON, IRA L, UNIV OF TEXAS DENTAL BRANCH, P O BOX 20068, HOUSTON, TEX. Variability in chemical constituents of oral fluids (human).
- RO1DE-02936-06 (DEN) MAHLER, DAVID B, UNIVERSITY OF OREGON, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Marginal fracture of dental amalgam.
- RO1DE-02944-06 (TOX) AUTIAN, JOHN, UNIVERSITY OF TENNESSEE, 800 MADISON AVENUE, MEMPHIS, TENN. Structure and toxicogenic activities of dental compounds (mice).
- PO1DE-02953-06 (SSS) RICHELLE, LEON J, UNIVERSITY OF CONNECTICUT, U-6, STORRS, CONN. Developmental biology of calcified tissues.
- PO1DE-02953-06 0011 (SSS) KATZ, E P. Developmental biology of calcified tissues—Structure and function of bone and dentinal collagen (human).
- PO1DE-02953-06 0014 (SSS) ONKELINX, C. Developmental biology of calcified tissues—Regulation of collagen metabolism in connective tissues (rats).
- PO1DE-02953-06 0015 (SSS) RICHELLE, LEON J. Developmental biology of calcified tissues—Point-defect structure and properties of apatite.
- PO1DE-02953-06 0017 (SSS) RICHELLE, LEON J. Developmental biology of calcified tissues—Crystalline structure of dental enamel.
- RO1DE-02963-06 (DEN) WELLS, HERBERT, BOSTON UNIV SCH OF GRAD DENT, 100 EAST NEWTON STREET, BOSTON, MASS. Drug effects on salivary glands, calculus and bones (human, animals).
- RO1DE-03011-06 (DEN) LOESCHE, WALTER J, UNIVERSITY OF MICHIGAN, 1011 NORTH MICHIGAN AVENUE, ANN ARBOR, MICH. Antibiotic-plaque formation and microbial ecology (human).
- RO1DE-03014-06 (DEN) TONNA, EDGAR A, BROOKDALE DENTAL CENTER, 339 EAST 25TH STREET, NEW YORK, N Y. Periodontal changes during aging (mice).
- RO1DE-03018-05 (CMS) PRICE, STEVEN, VIRGINIA COMMONWEALTH UNIV, DEPT OF PHYSIOLOGY, RICHMOND, VA. Molecular aspects of taste (mammals).
- RO1DE-03022-06 (DEN) GANGAROSA, LOUIS P, SR, MEDICAL COLLEGE OF GEORGIA, 1459 GWINNETT STREET, AUGUSTA, GA. Blood flow in normal and diseased gingiva (dogs).
- RO1DE-03041-03 (DEN) MC GHEE, JERRY, UNIVERSITY OF ALABAMA, 1919 SOUTH 7 AVENUE, BIRMINGHAM, ALA. Immunologic factors in oral disease (rats).
- RO1DE-03101-04 (DEN) EDWARDS, JOHN R, VILLANOVA UNIVERSITY, DEPARTMENT OF CHEMISTRY, VILLANOVA, PA. Biosynthesis of dextrans by cariogenic streptococci (rabbits, mice).
- RO1DE-03108-04 (DEN) NEWBRUM, ERNEST, UNIV OF CALIFORNIA SCH OF DENT, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Polysaccharides from oral streptococci.
- RO1DE-03118-04 (MBC) SMITH, ERIC E, DEPARTMENT OF BIOCHEMISTRY, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Polysaccharides produced by cariogenic microorganisms.
- RO1DE-03138-03 (DEN) HOBOWITZ, SIDNEY L, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Craniofacial variability in birth defects.
- RO1DE-03174-03 (DEN) POLICE, LARS E, UNIVERSITY OF MINNESOTA, 454 OWRE HALL, MINNEAPOLIS, MINN. Gingival physiology and inflammation (dogs, rabbits).
- RO1DE-03180-04 (DEN) ROSAN, BURTON, 4001 SPRUCE STREET, PHILADELPHIA, PA. Microbiologic studies of the human oral streptococci.
- RO1DE-03187-04 (DEN) MORENO, EDGARD C, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS. Transport in enamel and solubility of fluoridated apatites (human).
- RO1DE-03189-04 (DEN) DELISLE, ALLAN L, UNIV OF MARYLAND SCH OF DENT, DEPARTMENT OF MICROBIOLOGY, BALTIMORE, MD. Bacteriophages and bacteriocins of cariogenic streptococci.
- RO1DE-03191-03 (DEN) DAS, SALIL K, MEHARRY MEDICAL COLLEGE, 1005 18TH AVENUE NORTH, NASHVILLE, TENN. Nutrition and lipids of bone and teeth (rats, cows, rabbits).
- RO1DE-03216-03 (DEN) STACKHOUSE, JAMES A, JR, 201 CORNELISON AVENUE, JERSEY CITY, N J. Search for an improved die and model material.
- RO1DE-03221-03 (DEN) SMULOW, JEROME B, TUFTS UNIVERSITY, BOSTON, MASS. Chronic trauma from occlusion in periodontal disease (monkeys).
- RO1DE-03223-04 (DEN) NANCOLLAS, GEORGE H, STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF CHEMISTRY, BUFFALO, N Y. Kinetics of mineralization of teeth (human, cattle).
- RO1DE-02227-03 (DEN) WEISS, MARVIN B, UNIVERSITY OF ILLINOIS, 801 S PAULINA STREET, CHICAGO, ILL. Immediate metal implants into extraction sockets (dogs, baboons).
- RO1DE-03235-03 (CBY) BEKHOR, ISAAC, UNIV OF SOUTHERN CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF. Cellular differentiation studies in salivary glands (rabbits, chickens).
- RO1DE-03246-05 (BIO) CAPLOW, MICHAEL, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Biochemical mechanisms relevant to dental research (E coli).
- RO1DE-03258-03 (MBC) KURAMITSU, HOWARD K, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. Dextranucrase and dental plaque formation.
- RO1DE-03262-03 (DEN) MANNING, CHARLES R, JR, NORTH CAROLINA STATE UNIV, MATERIALS ENGINEERING DEPT, RALEIGH, N C. Ceramic-metal composites for biomedical applications (rats, rabbits).
- R23DE-03288-03 (DEN) JORDAN, TRUMAN M, CORNELL COLLEGE, MOUNT VERNON, IOWA. SNF2 and dental enamel—Their reaction products.
- R23DE-03312-03 (DEN) EISENMANN, DALE R, UNIV OF ILLINOIS, COLLEGE OF DENTISTRY BOX 6998, CHICAGO, ILL. Cellular control of mineralization (rats).
- RO1DE-03318-03 (DEN) SCHNEIR, MICHAEL L, UNIV OF SOUTHERN CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, LOS ANGELES, CALIF. Biochemistry of surgically wounded palatal mucosa (rats, human).
- RO1DE-03322-03 (DEN) LUCAS, OSCAR N, UNIVERSITY OF OREGON DENTAL SC, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Gingival tissue fibrinolysis and heparin.
- RO1DE-03327-03 (PHRA) BORZELLECA, JOSEPH F, MEDICAL COLLEGE OF VIRGINIA, DEPARTMENT OF PHARMACOLOGY, RICHMOND, VA. Drug movement into saliva (rats).
- RO1DE-03336-04 (DEN) PARKINS, FREDERICK M, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA. Curies susceptibility tests (human).
- RO1DE-03343-03 (DEN) SAVARA, BHIM S, UNIVERSITY OF OREGON, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Longitudinal face and dentition data (human).
- RO1DE-03348-03 (DEN) HAM, SEONG S, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Altered RNA metabolism on salivary glands.
- RO1DE-03350-04 (CMS) SHELTON, RALPH L, UNIVERSITY OF ARIZONA, DEPARTMENT OF SPEECH, BLDG 25, TUCSON, ARIZONA. Predicting articulation from cinefluorographic measurement (human).
- RO1DE-03368-03 (DEN) JURAND, JERRY G, UNIVERSITY OF TENNESSEE, 847 MONROE AVENUE, MEMPHIS, TENN. Submandibular gland growth factors and oral tissues (rats, mice).
- RO1DE-03369-03 (DEN) MODJESKI, PHILIP J, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Clinical evaluation of improved dental amalgam alloy (human).
- RO1DE-03371-03 (GEN) BIXLER, DAVID, INDIANA UNIVERSITY SCH OF DENT, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND. A genetic study of 3600 cleft lip and palate probands.
- RO1DE-03378-04 (DEN) GILMOUR, MARION N, EASTMAN DENTAL CENTER, P O BOX 879, ROCHESTER, N Y. The microbial composition of dental plaque.
- RO1DE-03386-04 (DEN) WEINSTECK, ALFRED, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF. Elaboration of glycoproteins in mineralizing tissues (rats).
- R23DE-03402-03 (DEN) ELLINGSON, JOHN S, WEST VIRGINIA UNIVERSITY, MORGANTOWN, W VA. Identification and turnover of lipids in dental pulp (rats, dogs, cattle, human).
- RO1DE-03408-03 (DEN) NISENGAARD, RUSSELL J, STATE UNIVERSITY OF N Y, SCHOOL OF DENTISTRY, BUFFALO, N Y. Immunopathology of gingivitis and periodontitis.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R23DE-03409-03 (DEN) NOYES, DAVID H, DEPARTMENT OF PHYSIOLOGY, 1645 NEIL AVENUE, COLUMBUS, OHIO. Periodontopathies on periodontal mechanics (human).
- R01DE-03411-03 (DEN) STIVALA, SALVATORE S, STEVENS INST OF TECHNOLOGY, CASTLE POINT STATION, HOBOKEN, N J. Levam polysaccharides of dental plaque.
- R01DE-03415-03 (DEN) BERNICK, SOL, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Structural changes in the dental pulp in aging (rats, human, monkeys).
- R01DE-03416-03 (DEN) CRAIG, ROBERT G, UNIVERSITY OF MICHIGAN, SCHOOL OF DENTISTRY, ANN ARBOR, MICH. Wear of tooth enamel-Composites and amalgam (human).
- R23DE-03419-03 (DEN) FARBBER, PAUL A, TEMPLE UNIVERSITY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA. Corynebacterium acnes and periodontal disease (mice).
- R23DE-03420-03 (DEN) TAUBMAN, MARTIN A, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS. Role of immunoglobulins in dental plaque formation (rats).
- R01DE-03423-02 (DEN) LOESCHE, WALTER J, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Analysis of normal and disease associated plaque.
- R01DE-03424-03 (GMB) WATABE, NORIMITSU, UNIVERSITY OF SOUTH CAROLINA, ELECTRON MICROSCOPE LABORATORY, COLUMBIA, S C. Ultrastructural studies of calcification (mollusks, sponges, corals, algae).
- R01DE-03425-03 (BBCB) GILLIAM, OTIS R, DEPARTMENT OF PHYSICS, UNIVERSITY OF CONNECTICUT, STORRS, CONN. Crystal growth and characterization of hydroxyapatite.
- R01DE-03430-02 (DEN) KASHKET, SHELBY, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS. Interactions of saliva proteins and bacteria.
- R01DE-03433-03 (PC) OPPENHEIM, FRANK G, BOSTON UNIV MED CTR, 80 EAST CONCORD STREET, BOSTON, MASS. Studies on proline-rich salivary proteins (human).
- R01DE-03434-09 (SSS) TAYLOR, DUANE F, UNIV OF NORTH CAROLINA, DENTAL RESEARCH CENTER, CHAPEL HILL, N C. Dental amalgams of controlled constitution.
- R01DE-03443-03 (DEN) BURDI, ALPHONSE R, REGENTS OF THE UNIV OF MICHIGAN, 3014 ADMINISTRATION BUILDING, ANN ARBOR, MICH. Prenatal origins of postnatal dental variability (human).
- R01DE-03456-03 (VR) GREER, SHELTON B, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Viruses of cariogenic streptococci.
- R01DE-03460-02 (DEN) SOMASUNDARAN, PONISSERIL, COLUMBIA UNIVERSITY, HENRY KRUMB SCHOOL OF MINES, NEW YORK, N Y. Electrochemistry of appetites in relevant chemicals.
- R01DE-03469-03 (MED) ZIMMERMAN, ERNEST F, CHILDRENS HOSPITAL RES FDN, ELLAND & BETHESDA AVENUES, CINCINNATI, OHIO. Teratogens on cleft palate formation (mice).
- R01DE-03470-08 (PC) SCHWABE, CHRISTIAN, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Protein turnover in dental pulp and periodontal tissues (cattle).
- R01DE-03472-03 (DEN) ROCHE, ALEXANDER F, FELS RESEARCH INSTITUTE, 800 LIVERMORE STREET, YELLOW SPRINGS, OHIO. Patterns of dentocraniofacial growth and maturation.
- R01DE-03479-02 (DEN) SIMMONS, NORMAN S, UNIVERSITY OF CALIFORNIA, 405 HILGARD, LOS ANGELES, CALIF. Calcifying systems-Structure/function relationships.
- R01DE-03480-03 (DEN) O'BRIEN, WILLIAM J, UNIVERSITY OF MICHIGAN, 2213 DENTAL RES BUILDING, ANN ARBOR, MICH. Capillary phenomena related to caries sites.
- R01DE-03485-03 (NEUA) CHATRIAN, GIAN E, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Cerebral responses to tooth pulp stimulation in man.
- R23DE-03486-03 (PTHA) MC KINNEY, RALPH V, JR, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA. Growing capillaries-Basal lamina and permeability (guinea pigs).
- R01DE-03487-03 (BA) SHOCKMAN, GERALD D, TEMPLE UNIV SCH OF MED, 3400 N BROAD ST, PHILADELPHIA, PA. Inhibition of human cariogenic streptococci.
- R01DE-03488-03 (BA) SOCORANSKY, SIG-AUND S, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS. Microbial composition of dental plaque.
- R23DE-03495-03 (DEN) RASAMUSSEN, JEWELL J, BATTELLE-NORTHWEST, P O BOX 999, RICHLAND, WASH. Develop glass ceramics for dental prostheses.
- R01DE-03500-09 (DEN) GIBBS, CHARLES H, CASE WESTERN RESERVE UNIV, 114 BINGHAM BUILDING, CLEVELAND, OHIO. Investigation of the functional mandibular movements (human).
- R01DE-03503-07 (DEN) HARVOLD, EGIL P, UNIV OF CALIFORNIA MED CTR, SECT OF OROFACIAL ANOMALIES, SAN FRANCISCO, CALIF. Clinical evaluation of the Andresen activator.
- R01DE-03504-06 (DEN) EAMES, WILMER B, EMORY UNIVERSITY, 1462 CLIFTON ROAD, N E, ATLANTA, GA. Clinical study of dental materials and techniques (human, monkeys).
- R01DE-03505-06 (DEN) STANFORD, JOHN W, AMERICAN DENTAL ASSOCIATION, 211 EAST CHICAGO AVE, CHICAGO, ILL. Standard test methods for bi-materials and instrumentation.
- R01DE-03512-03 (DEN) LEADSBETTER, EDWARD R, AMHERST COLLEGE, BIOLOGY DEPT, AMHERST, MASS. Bacterial composition of dental plaque (human).
- R01DE-03513-03 (DEN) SLAVKIN, HAROLD C, UNIV OF SOUTHERN CALIFORNIA, DEPT OF BIOCHEMISTRY, LOS ANGELES, CALIF. Dermal-epidermal diffusion in human gingival sulcus tissue.
- R23DE-03516-03 (RAD) LEIFER, CALVIN, TEMPLE UNIVERSITY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA. Parotid gland subcellular response to X-irradiation (rats).
- R01DE-03531-01 (DEN) JORDAN, TRUMAN H, CORNELL COLLEGE, MOUNT VERNON, IOWA. Stannous fluophosphate-Clinical and chemical characteristics.
- R01DE-03532-01 (DEN) WEI, STEPHEN H, COLLEGE OF DENTISTRY, THE UNIVERSITY OF IOWA, IOWA CITY, IOWA. Stannous fluophosphate-Clinical and chemical characteristics.
- R01DE-02533-03 (DEN) WARREN, DONALD W, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF DENTISTRY, CHAPEL HILL, N C. Malocclusion on speech performance.
- R01DE-03542-03 (DEN) GOODSON, JO M, UNIVERSITY OF CALIFORNIA, DIVISION OF ORAL BIOLOGY, SAN FRANCISCO, CALIF. Role of fluoride in experimental periodontal disease (rats).
- R01DE-03543-03 (DEN) BANKS, EPHRAIM, POLYTECHNIC INST OF BROOKLYN, 333 JAY STREET, BROOKLYN, N Y. Growth of hydroxyapatite crystals.
- R01DE-03545-03 (DEN) BURSTONE, CHARLES J, UNIVERSITY OF CONNECTICUT, ROOM 7063, FARMINGTON, CONN. Prediction of tooth displacement (human).
- R01DE-03548-02 (DEN) JORDAN, TRUMAN H, CORNELL COLLEGE, MOUNT VERNON, IOWA. Reaction products of SNF2 and dental enamel.
- R01DE-03556-03 (DEN) GOODSON, JO M, DIV OF ORAL BIOLOGY, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Prostaglandins and periodontal disease.
- R01DE-02563-03 (NSS) LANGMAN, JAM, UNIV OF VIRGINIA SCH OF MED, DEPARTMENT OF ANATOMY, CHARLOTTESVILLE, VA. Interdisciplinary communication on cranio-facial defects.
- R01DE-03565-01 (ET) WELLS, HERBERT, 100 EAST NEWTON STREET, BOSTON, MASS. Oral carcinogenic actions of betel nut and tobacco.
- P01DE-03568-01 (SSS) CONVERSE, JOHN M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Craniofacial anomalies-etiology and treatment.
- P01DE-03568-01 0001 (SSS) CONVERSE, JOHN M. Craniofacial anomalies-etiology and treatment-Ocular hypertelorism (children).
- P01DE-03568-01 0002 (SSS) CONVERSE, JOHN M. Craniofacial anomalies-etiology and treatment-Hypoplasia of the midface.
- P01DE-03568-01 0003 (SSS) CONVERSE, JOHN M. Craniofacial anomalies-etiology and treatment-Asymmetrical facial anomalies.
- P01DE-03568-01 0004 (SSS) CONVERSE, JOHN M. Craniofacial anomalies-etiology and treatment-Underdevelopment of the mandible.
- P01DE-03568-01 0005 (SSS) CONVERSE, JOHN M. Craniofacial anomalies-etiology and treatment-Immunogenic studies of etiology.
- R01DE-03569-02 (DEN) SLAVKIN, HAROLD C, UNIVERSITY OF SOUTHERN CALIF, UNIVERSITY PARK, LOS ANGELES, CALIF. Intercellular communication during tooth formation (mice).
- R01DE-03578-03 (PC) ROBYT, JOHN F, IOWA STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYSICS, AMES, IOWA. Mechanism of dextran biosynthesis by leuconostoc.
- R23DE-02582-02 (DEN) BROWN, ASHLEY M, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA. Glycoproteins of transformed salivary glands (rats).
- R01DE-03598-02 (DEN) BALUARIND, SHILDON, UNIVERSITY OF CALIFORNIA, DIV OF ORTHODONTICS, SAN FRANCISCO, CALIF. Dentofacial effects of forces to retract the maxilla (human).
- R23DE-03601-02 (DEN) MARER, MIROSLAV, GEORGIA INSTITUTE OF TECH, SCHOOL OF CHEMICAL ENGINEERING, ATLANTA, GA. Localized corrosion of dental amalgam.
- R01DE-03606-06 (VR) ANDERSON, DWIGHT L, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN. Morphogenesis of phage Phi 29 and its infectious DNA.
- P01DE-03610-08 (HDGD) MOYERS, ROBERT E, UNIVERSITY OF MICHIGAN, 3014 ADMINISTRATION BUILDING, ANN ARBOR, MICH. Cranio-facial growth and development.
- P01DE-03610-08 0001 (HDGD) MOYERS, ROBERT. Cranio-facial growth and development-Prenatal studies (human).
- P01DE-03610-08 0002 (HDGD) MOYERS, ROBERT E. Cranio-facial growth and development-Craniofacial remodeling in aged individual (human).
- P01DE-03610-08 0003 (HDGD) MOYERS, ROBERT E. Cranio-facial growth and development-Analysis of human cranio-facial form and growth.
- P01DE-03610-08 0004 (HDGD) HIRSCHFIELD, WILLIAM J. Cranio-facial growth and development-Biomathematical approaches to cranio-facial growth (human, monkeys).
- P01DE-03610-08 0005 (HDGD) ENLOW, DONALD H. Cranio-facial growth and development-Ethnic studies.
- P01DE-03610-08 0006 (HDGD) GARN, STANLEY M. Cranio-facial growth and development-Inheritance of cranio-facial form and growth (human).
- P01DE-03610-08 0007 (HDGD) MOYERS, ROBERT E. Cranio-facial growth and development-Occlusal development (human).
- P01DE-03610-08 0008 (HDGD) MOYERS, ROBERT E. Cranio-facial growth and development-Functional adaptation during growth of cranio-facial complex (human).
- R01DE-03611-03 (ALY) EVERHART, DONALD L, NEW YORK UNIVERSITY SCH OF DEN, 342 EAST 26TH STREET, NEW YORK, N Y. Dental caries and immunoglobulin A (human, rabbits).
- R23DE-03612-02 (DEN) CAPLES, STEPHEN P, NEW JERSEY DENTAL SCHOOL, 201 CORNELISON AVENUE, JERSEY CITY, N J. Inflammation and mandibular block anesthesia.
- R01DE-03615-02 (DEN) SLADE, HUTTON D, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Streptococcal surface antigens and dental caries (rabbits).
- R01DE-03619-02 (DEN) DAVIDOVITCH, ZEEV, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA. Biochemical aspects of tooth eruption and movement (cats).
- R01DE-03631-01 (CMS) HAMLET, SANDRA L, UNIVERSITY OF MARYLAND, DIV OF SPEECH & HEARING SCI, COLLEGE PARK, MD. Physiological study of speech adaptation (human).
- R23DE-03634-02 (MBC) BROWN, ALBERT T, DEPARTMENT OF ORAL BIOLOGY, UNIVERSITY OF CONNECTICUT, FARMINGTON, CONN. Regulation of carbohydrate catabolism in Streptococcus mutans.
- R01DE-03636-02 (DEN) BUTLER, WILLIAM T, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Phosphoproteins of calcified tissues (rats).
- R23DE-03642-02 (DEN) FINCHAM, ALAN G, UNIVERSITY OF WEST INDIES, DEPARTMENT OF BIOCHEMISTRY, KINGSTON 7, JAMAICA. Composition of fetal dental enamel proteins.
- R23DE-03644-02 (DEN) REID, KENNETH H, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Neurophysiology of tooth pain (cats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R23DE-03652-02 (DEN) POWERS, JOHN M, UNIVERSITY OF MICHIGAN, 2218 DENTAL RESEARCH BLDG, ANN ARBOR, MICH. Wear of fluorapatite and dental ceramics.
- R01DE-03654-02 (DEN) SCHACHTELE, CHARLES F, UNIVERSITY OF MINNESOTA, 516 OWRE HALL, MINNEAPOLIS, MINN. Molecular basis of dental caries (hamsters).
- R23DE-03655-02 (DEN) SINGH, BALDEV, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA. Keratinization of normal and altered epithelium.
- R01DE-02658-09 (DEN) AZEN, EDWIN A, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Genetic protein polymorphisms of serum, WBC's, and saliva (human).
- R01DE-03661-03 (DEN) CAHILL, DONALD R, UNIVERSITY OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Tooth eruption and exfoliation (dogs).
- R01DE-03662-03 (DEN) SABISTON, CHARLES B, JR, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA. Evaluation of clinical dental anaerobic bacteriology.
- R01DE-03665-02 (DEN) HOPFER, HELMUT O, TULANE UNIVERSITY, THREE RIVERS ROAD, COVINGTON, LA. Sublingual structures in primates.
- R01DE-03666-01 (DEN) SODICOFF, MARYVIN, TEMPLE UNIVERSITY, 3420 N BROAD STREET, PHILADELPHIA, PA. Parotid gland secretion following X-irradiation (human).
- R01DE-03671-02 (DEN) RAINNEY, RICHARD R, VIRGINIA COMMONWEALTH UNIVER, 520 NORTH 12TH STREET, RICHMOND, VA. Gingival antibody in periodontal disease (human, rabbits).
- R23DE-03672-02 (MBC) DYER, JOHN K, UNIVERSITY OF NEBRASKA, COLLEGE OF DENTISTRY, LINCOLN, NEBR. Amino acids fermentation by *Bacteriodes melanogenicus*.
- R01DE-03674-01 (DEN) COLWELL, RITA R, UNIVERSITY OF MARYLAND, DEPT OF MICROBIOLOGY, COLLEGE PARK, MD. Data processing applied to ecology of oral flora.
- R01DE-03679-01 (DEN) RUPP, NELSON W, AMERICAN DENTAL ASSOCIATION, RES UNIT, NATL BUREAU OF STAND, WASHINGTON, D C. Amalgam-improved alloy and manipulation techniques.
- R01DE-03685-01 (DEN) NGWOTNY, ALOIS H, TEMPLE UNIVERSITY, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. Role of bacterial products in periodontal disease (rabbits, mice, chick embryo).
- R01DE-03686-03 (DEN) WITKOP, CARL J, JR, UNIVERSITY OF MINNESOTA, 429 OWRE HALL, MINNEAPOLIS, MINN. Hereditary defects in teeth and bone (human).
- R01DE-03688-01 (DEN) NELSON, KENNETH G, UNIVERSITY OF MINNESOTA, COLLEGE OF PHARMACY, MINNEAPOLIS, MINN. Rate of stannous fluoride formation on tooth mineral.
- R01DE-03689-01 (DEN) NIEDERS, MIRDZA E, S U N Y - AT BUFFALO, SCH OF DENTISTRY, CAPEN HALL, BUFFALO, N Y. Interactions of cells with tooth surfaces.
- R23DE-02690-02 (DEN) GETTLEMAN, LAWRENCE, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS. Materials testing of polymer replica dental implants.
- P01DE-03695-02 (SSS) SHIRA, ROBERT B, TUFTS UNIVERSITY, ONE KNEELAND STREET, BOSTON, MASS. Occlusion research program.
- P01DE-03695-02 0001 (SSS) GLICKMAN, IRVING. Occlusion research program-Bioengineering support laboratory (human).
- P01DE-03695-02 0002 (SSS) GLICKMAN, IRVING. Occlusion research program-Quantitated traumatic occlusal forces in periodontitis (monkeys).
- P01DE-02695-02 0005 (SSS) PASSAMONTI, GINO. Occlusion research program-Occlusal contacts and forces in dentures (human).
- P01DE-03695-02 0004 (SSS) HADDAD, ABRAHAM. Occlusion research program-Occlusal contacts and forces in the natural dentition (human).
- P01DE-03495-02 0005 (SSS) MEHTA, NAUSHIRWAN R. Occlusion research program-Analysis of the occlusal contact pattern of bruxers (human).
- P01DE-03695-02 0006 (SSS) RKS, DOUGHLAS. Occlusion research program-Stress analysis of simulated tooth support apparatus.
- P01DE-03695-02 0007 (SSS) SHAPIRO, EVERETT. Occlusion research program-Forces and jaw relationships in orthodontics (human).
- P01DE-03695-02 0008 (SSS) GLICKMAN, IRVING. Occlusion research program-Clinical and laboratory support (human).
- R23DE-03697-02 (MBC) FERRETTI, JOSEPH J, UNIVERSITY OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OKLA. A genetic approach to the study of *Streptococcus mutans*.
- R01DE-03707-02 (DEN) BOKLER, DAVID, INDIANA UNIVERSITY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Oral-facial variations in relatives of cleft probands (human).
- R01DE-03703-02 (DEN) PUERTSTENAU, DOUGLAS W, UNIVERSITY OF CALIFORNIA, DEPT OF MATERIALS SCI & ENGR, BERKELEY, CALIF. Interfacial properties of appetite and tooth materials.
- R01DE-03709-01 (DEN) HOWES, ROBERT I, JR, UNIVERSITY OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OKLA. Root formation in lower vertebrate tooth transplants.
- R23DE-03710-02 (MBC) COGEM, RONALD B, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF PATHOLOGY, FARMINGTON, CONN. Lymphocyte-mediated cytotoxicity (rats).
- R01DE-03713-01 (DEN) HANDELMAN, STANLEY L, EASTMAN DENTAL CENTER, 800 MAIN STREET EAST, ROCHESTER, N Y. Effect of fissure sealant on progress of dental caries (human).
- R23DE-03714-02 (DEN) OKABE, TORU, GEORGIA INST OF TECHNOLOGY, SCHOOL OF CHEMICAL ENGINEERING, ATLANTA, GA. Diffusion and interfacial reaction in dental amalgams.
- R01DE-03723-02 (DEN) BEUTNER, ERNST H, S U N Y AT BUFFALO, S219 SHERMAN HALL, BUFFALO, N Y. Model of hypersensitivity induced periodontal disease (monkeys).
- R23DE-03724-02 (DEN) ZAKI, ABD EL-MONEIM E, UNIVERSITY OF ILLINOIS, 808 SOUTH WOOD STREET, CHICAGO, ILL. Cellular role in amphibian odontogenesis.
- R01DE-03725-02 (DEN) TRUMMEL, CLARENCE L, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Inflammation and bone resorption (human).
- R01DE-03728-01 (DEN) HARPER, RICHARD A, RENSSELAER POLYTECHNIC INST, DEPT OF PHYSICS & ASTRONOMY, TROY, N Y. Measurements of strain in biological mineral apatites.
- R01DE-03731-01 (PC) MAYER, ROBERT M, OHIO STATE UNIVERSITY, 140 W 18TH AVENUE, COLUMBUS, OHIO. Dextran sucrose of *Streptococcus sanguis*.
- R01DE-03738-02 (ALY) SNYDERMAN, RALPH, DUKE UNIVERSITY, ROOM 214, BELL BUILDING, DURHAM, N C. Humoral and cellular mediators of inflammation (human, rodents).
- R01DE-02739-02 (CMS) MOOSER, GREGORY, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Taste receptor interactions (rat, cattle, swine).
- R01DE-03743-02 (DEN) MONTGOMERY, EDWARD H, UNIVERSITY OF TEXAS, 6516 JOHN FREEMAN AVENUE, HOUSTON, TEX. Endogenous inflammatory mediators in periodontal disease(dogs, monkeys).
- R01DE-02745-03 (DEN) GARANT, PHILLIPS R, S U N Y AT STONY BROOK, HEALTH SCIENCES CENTER, STONY BROOK, N Y. Ultrastructure of experimental periodontitis (rats).
- R23DE-03746-02 (NEUA) GATIPON, GLENN B, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Neural mechanisms of temporomandibular joint kinesiathesia (cats).
- R01DE-03751-01 (DEN) SCHWARZ, JOHN M, UNIVERSITY OF NORTH CAROLINA, BACTERIOLOGY DEPARTMENT, CHAPEL HILL, N C. Bacterial cell walls in periodontal disease (human, rats).
- R01DE-02755-02 (DEN) SHULMAN, LIONARD B, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS. Vitreous carbon tooth-root implants (monkeys).
- R01DE-03758-01 (DEN) FRIEDMAN, MICHAEL I, UNIVERSITY OF CONNECTICUT, DEPT OF ORAL RADIOLOGY, HARTFORD, CONN. Determinants of virulence in *Streptococcus mutans*.
- R01DE-03761-02 (DEN) ENLOW, DONALD H, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF ANATOMY, MORGANTOWN, W VA. Craniofacial growth and remodeling.
- R01DE-03764-01 (DEN) BRIGHTMAN, VERNON W, PHILADELPHIA GENERAL HOSPITAL, 700 CIVIC CENTER BLVD, PHILADELPHIA, PA. Atypical facial pain and disturbed oral sensation (human).
- R01DE-03766-02 (DEN) TAUBMAN, SHILDON B, UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Lysosomal enzymes and etiology of periodontitis.
- R01DE-03770-01 (DEN) DRUMMOND, JAMES P, MASS INST OF TECHNOLOGY, 50 AMES ST, E18-561, CAMBRIDGE, MASS. Endotoxins and etiology of periodontitis (marmosets).
- R01DE-03774-01 (PC) GILBERTSON, JOHN R, UNIVERSITY OF PITTSBURGH, 541 SALK HALL, PITTSBURGH, PA. Lipids of the salivary glands (rats).
- R23DE-03780-02 (DEN) PASHLEY, DAVID M, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA. Permeability characteristics of dentine (dogs, human).
- R01DE-02793-01 (DEN) IRVING, JAMES T, 140 THE FENWAY, BOSTON, MASS. Histochemistry of periodontal disease.
- R01DE-03794-02 (DEN) BELL, WILLIAM H, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Surgical-orthodontics and bone healing (monkeys).
- R01DE-02796-03 (CBY) SPANGENBERG, DOROTHY B, UNIVERSITY OF COLORADO, DEPT OF MOLEC/CELL & DEVEL BIO, BOULDER, COLO. Statolith differentiation in *Aurelia* (jellyfish).
- R01DE-03802-01 (SSS) SMITH, DALE B, UNIVERSITY OF WASHINGTON, C402 HEALTH SCIENCES SC-90, SEATTLE, WASH 98195. Nonbiologic implant support for overdentures (monkeys).
- R01DE-03803-01 (DEN) LINDHE, JAN T, UNIVERSITY OF GOTHENBURG, DEPT OF PERIODONTOLOGY, S-400 33 GÖTEBORG 33, SWEDEN. Experimental periodontitis in the beagle dog.
- R23DE-03806-01 (DEN) HERRING, SUSAN W, UNIVERSITY OF ILLINOIS, 808 S WOOD STREET, CHICAGO, ILL. Physiology of feeding in miniature pigs.
- R01DE-03817-01 (DEN) CHESNUT, DONALD B, DUKE UNIVERSITY, DEPARTMENT OF CHEMISTRY, DURHAM, N C. Spin label study of tooth enamel.
- R01DE-02818-01 (DEN) MARIS, SANDY C, JR, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Role of the osteoclast in tooth eruption (rats).
- R01DE-03821-01 (DEN) SELVIG, KUNT A, UNIVERSITY OF BERGEN, 17, AARSTAD-VEIEN, 5000 BERGEN, NORWAY. Role of dental plaque in periodontal pathology (human, rabbits).
- R13DE-03828-01 (NSS) MC CALLUM, CHARLES A, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Symposium on the immunoglobulin A system.
- R01DE-02836-01 (DEN) STEINBERG, ARNOLD D, UNIVERSITY OF ILLINOIS, 801 SOUTH PAULINA STREET, CHICAGO, ILL. Crevicular epithelium transport and periodontal disease (rabbits).
- P01DE-02841-01 (SSS) ELLISON, SOLOM A, S U N Y - AT BUFFALO, 4510 MAIN STREET, BUFFALO, N Y. Host response in dental disease.
- P01DE-03841-01 0002 (SSS) GINCO, ROBERT J. Host response in dental disease-Immune complex reactions in periodontal disease (human, monkeys, bacteria).
- P01DE-03841-01 0003 (SSS) REED, MICHAEL J. Host response in dental disease-Lymphocyte transformation by plaque antigens (monkeys, *Actinomyces*, bacteria).
- P01DE-03841-01 0004 (SSS) DELUCAS, CHESTER. Host response in dental disease-Serum blocking factors, lymphocyte transformation in periodontal disease (human).
- P01DE-03841-01 0005 (SSS) NIEDERS, M E. Host response in dental disease-Epithelial permeability and immune responses (human, primates, bacteria).
- P01DE-03841-01 0007 (SSS) STAPLE, PETER H. Host response in dental disease-Modification of host response by drugs (human, monkeys).
- P01DE-03841-01 0009 (SSS) MASHIMO, PAUL A. Host response in dental disease-Oral flora in *Macaca speciosa*.
- P01DE-03841-01 0010 (SSS) ELLISON, SOLOM A. Host response in dental disease-Saliva studies in *Macaca speciosa*.
- R01DE-03844-01 (DEN) OLIVER, RICHARD C, LOMA LINDA UNIVERSITY, SCHOOL OF DENTISTRY, LOMA LINDA, CALIF. Subgingival plaque inhibition and periodontal healing.
- R23DE-03854-01 (DEN) GRAVER, HEBER T, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA. Dental lamina regeneration in salamander jaws.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01DE-03856-01 (DEN) SNEARER, THOMAS R, UNIVERSITY OF OREGON, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Fluoride-selenium interaction in dental caries.
- R23DE-03859-01 (IMB) WHITE, STUART C, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF. Experimental autoallergic sialadenitis (rats).
- R01DE-03860-01 (DEN) LEONARD, FRED, GEORGE WASHINGTON UNIVERSITY, 901 23RD STREET, N W, WASHINGTON, D C. Maxillofacial materials.
- R01DE-03861-01 (DEN) BHATHNAGAR, RAJENDRA S, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, SAN FRANCISCO, CALIF. Regulation of collagen biosynthesis (tissue culture).
- R01DE-02864-01 (DEN) BUTLER, WILLIAM T, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Biochemistry of periodontal tissues.
- R23DE-03866-01 (DEN) ALLEN, EDWARD P, VIRGINIA COMMONWEALTH UNIV, 520 NORTH 12TH STREET, RICHMOND, VA. Effects of sex steroids on gingival glycosaminoglycans.
- R01DE-03867-01 (DEN) SHOVLIN, FRANCIS E, NEW JERSEY DENTAL SCHOOL, 201 CORNELISON AVENUE, JERSEY CITY, N J. Uptake of hydroxyapatite phosphorus by oral bacteria.
- R01DE-03868-01 (DEN) KIGEBLES, S STEPHEN, UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Children's acceptance of caries preventive procedures.
- R01DE-03869-01 (DEN) THOMPSON, VAN P, UNIVERSITY OF MARYLAND, DEPT OF RESTORATIVE DENTISTRY, COLLEGE PARK, MD. Dental resins with monomers that expand on polymerization.
- R23DE-03872-01 (DEN) BARNETT, MICHAEL L, NEW JERSEY DENTAL SCHOOL, 201 CORNELISON AVENUE, JERSEY CITY, N J. Role of mast cell in gingival and periodontal lesions.
- R23DE-03874-01 (IMB) MILLER, MICHAEL F, PHILADELPHIA GENERAL HOSPITAL, 700 CIVIC CENTER BOULEVARD, PHILADELPHIA, PA. Immune aspects of recurrent aphthous ulcers (human).
- R23DE-03875-01 (DEN) MARTINEZ, I RICARDO, JR, LOUISIANA STATE UNIVERSITY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA. Membrane-coating granules-isolation and biochemistry.
- R01DE-03884-01 (DEN) SCLARY, INO, HEBREW UNIVERSITY, POST OFFICE BOX 1172, JERUSALEM, ISRAEL. Clinical evaluation of amalgam restorations.
- R23DE-03890-01 (DEN) KEUDILL, KENNETH C, WASHINGTON UNIVERSITY, 4559 SCOTT AVENUE, ST LOUIS, MO. Enzymes of microbial isolates from infected pulp canals.
- R23DE-03892-01 (DEN) MOYLE, DAVID D, CLEMSON UNIVERSITY, DIV OF INTERDISCIPLINARY STUD, CLEMSON, S C. Fracture toughness of bone-prosthetic material composites.
- R01DE-03897-01 (DEN) WATERMAN, ROBERT B, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF ANATOMY, ALBUQUERQUE, N MEX. Human secondary palate formation (mice).
- R01DE-02901-01 (DEN) LOE, HARALD, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Dichotomy of caries and periodontitis in SRI lanka.
- R23DE-03904-01 (DEN) WEINSTEIN, ALLAN M, CLEMSON UNIVERSITY, DIV OF INTERDISCIPLINARY STUD, CLEMSON, S C. Direct current stimulation of bone ingrowth into porous aluminum oxide (dogs).
- R23DE-02909-01 (DEN) FLOM, HELEN, N Y U - BROOKDALE DENTAL CTR, 342 EAST 26 STREET, NEW YORK, N Y. Ultrastructure of mucous secreting salivary glands.
- R01DE-03915-01 (DEN) HAY, DONALD I, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS. Tooth-saliva interface phenomena and dental caries (rabbits, goats).
- R01DE-03916-01 (DEN) GRON, POUL, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS. Inhibitors of mineral formation in saliva and plaque (human).
- R01DE-03923-01 (DEN) KOLSTAD, ROBERT A, BAYLOR COLLEGE OF DENTISTRY, 800 HALL STREET, DALLAS, TEX. Rapid identification of streptococcus sanguis strains.
- R01DE-02924-01 (VR) NAHMIAS, ANDRE J, EMORY UNIVERSITY, 69 BUTLER STREET, S E, ATLANTA, GA. Immunology of oral herpes simplex virus-1 infection (mice).
- R01DE-03927-01 (DEN) HENDRICKX, ANDREW G, UNIVERSITY OF CALIFORNIA, CALIFORNIA PRIMATE RES CTR, DAVIS, CALIF. Experimental studies on orofacial development (baboons, monkeys).
- R01DE-03929-01 (DEN) MILLS, BARBARA G, UNIV OF SOUTHERN CALIFORNIA, DEPT OF BIOCHEMISTRY, LOS ANGELES, CALIF. Role of local factors on bone in periodontal disease (rabbits).
- R23DE-03931-01 (DEN) NEVINS, ALAN J, 200 CARMEN AVENUE, APARTMENT 7C, EAST MEADOW, NEW YORK. Apical calcification of non-vital tooth (human).
- R23DE-03933-01 (DEN) CUTLER, LESLIE S, UNIVERSITY OF CONNECTICUT, DEPT OF ORAL BIOLOGY, FARMINGTON, CONN. Epithelial-mesenchymal contacts in cytodifferentiation.
- R01DE-03934-01 (DEN) FARBMAN, ALBERT I, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Differentiation of oral epithelium (rats).
- R13DE-03935-01 (DEN) COOKE, FRANCIS W, CLEMSON UNIVERSITY, RHODES ENGINEERING RES CTR, CLEMSON, S C. Selection of materials for reconstructive surgery.
- R23DE-03937-01 (DEN) BULKACZ, JAMIE, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA. Mutant glucosyl transferases of streptococcus mutans.
- R23DE-03945-01 (DEN) POOLE, ANDREW E, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF PEDIATRIC, FARMINGTON, CONN. Salivary peroxidase and the genetics of oral disease.
- R23DE-03947-01 (DEN) FENSTAD, ALFRED M, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN. Female sex hormone mechanism in pregnancy gingivitis.
- R01DE-03951-01 (SSS) SMITH, GENE M, MASSACHUSETTS GENERAL HOSPITAL, FRUIT ST, ANESTHESIA DEPT, BOSTON, MASS. Acupuncture and dental pain (human).
- R01DE-03953-01 (DEN) BURSTONE, CHARLES J, UNIVERSITY OF CONNECTICUT, FARMINGTON, CONN. Force systems from orthodontic appliance.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01DE-03959-01 (DEN) LAWLESS, KENNETH B, UNIVERSITY OF VIRGINIA, SCH OF ENGR AND APPLIED SCI, CHARLOTTESVILLE, VA. Electron optical studies of carious lesions in enamel.
- R01DE-03965-01 (DEN) JOHNSON, LEWIS B, UNIVERSITY OF VIRGINIA, DEPT OF MATERIAL SCIENCE, CHARLOTTESVILLE, VA. Composition changes in dental alloy.
- R23DE-03968-01 (DEN) FORGIONE, ALBERT G, TUFT UNIVERSITY, ONE KNEELAND STREET, BOSTON, MASS. Validation of methods of Bruxism control.
- R01DE-02969-01 (RAD) IRWIN, JAMES W, UNIV OF OREGON, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Infrared emissivity of teeth and intraoral mucosa.
- R23DE-03971-01 (DEN) HADDAD, ABRAHAM W, TUFTS UNIVERSITY, 1 KNEELAND STREET, BOSTON, MASS. Quantitative electrosurgery and related histopathology (hamsters, human).
- R01DE-03975-01 (DEN) HANSCOM, ROGER H, UNIVERSITY OF VIRGINIA, DEPARTMENT OF MATERIALS SCI, CHARLOTTESVILLE, VA. Substitution for phosphorus in calcium apatite.
- R01DE-03976-01 (DEN) COONEY, CHARLES L, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Streptococcus mutans and dental caries formation.
- R01DE-03978-01 (DEN) CREAMER, HOWARD R, UNIVERSITY OF OREGON, 611 S W CAMPUS DRIVE, PORTLAND, OREG. Cervical plaque—its role in immunosuppression.
- R01DE-04023-01 (DEN) ORLOWSKI, WALTER A, FAIRLEIGH DICKINSON UNIVERSITY, 110 FULLER PLACE, HACKENSACK, N J. Remodeling of periodontal ligament (rats).
- R01DE-04021-01 (GMB) KUSEK, JUDITH C, UNIV OF ILLINOIS AT THE MED CT, P O BOX 6998, CHICAGO, ILL. Intracellular calcium metabolism in salivary glands.
- R01DE-04082-01 (GEN) KOLAKOWSKI, DONALD, UNIVERSITY OF CONNECTICUT, HEALTH CENTER, FARMINGTON, CONN. The effect of major genes on the human dentition.
- R01DE-04083-01 (DEN) DRUMMOND, JAMES F, D-506 DENTAL SCIENCE BUILDING, UNIVERSITY OF KENTUCKY, LEXINGTON, KY. Endotoxins and etiology of periodontitis.
- N01DE-12062-06 (***) HARRIS, NORMAN O, SAN JUAN, PUERTO RICO. Field trial for a dental adhesive sealant material.
- N01DE-12330-04 (***) BAHN, ARTHUR N, EDWARDSVILLE, ILLINOIS. Immunization with enzymes from cariogenic streptococci (rats).
- N01DE-12332-03 (***) BURNETT, GEORGE W, AUGUSTA, GEORGIA. Anticaries efficacy of certain agents (rats).
- N01DE-12375-07 (***) DEPAOLA, PAUL, BOSTON, MASSACHUSETTS. Study topical use of acidified NH4 F versus acidified Na F (human).
- N01DE-12379-06 (***) DEPAOLA, PAUL, BOSTON, MASSACHUSETTS. Study NH4 F mouthrinse versus high potency fluoride rinse (human).
- N01DE-12380-04 (***) FINN, SIDNEY, BIRMINGHAM, ALABAMA. Study trimetaphosphate chewing gum (human).
- N01DE-12386-04 (***) MARSHALL, ROBERT P, RICHLAND, WASHINGTON. Artificial dental anchors of non-natural design (miniature swine).
- N01DE-22003-05 (***) BARNES, DAVID B, GENEVA, SWITZERLAND. Study dental caries etiology in Papua, New Guinea.
- N01DE-22005-04 (***) SCHIOTT, RINDOM C, AARHUS, DENMARK. Longitudinal study of chlorhexidine (human).
- N01DE-22030-05 (***) KOULOURIDES, THEODORE, BIRMINGHAM, ALABAMA. Evaluation of intraoral test of human cariogenicity.
- N01DE-22400-02 (***) ZINNER, DORAN D, CORAL GABLES, FLORIDA. Fluoride uptake in tooth enamel and anti-carries effects (human).
- N01DE-22401-02 (***) MUNGER, B L, UNIVERSITY PARK, PENNSYLVANIA. Fetal and infantile development of oral sensory receptors in primates.
- N01DE-22402-02 (***) DANIELS, CHARLES A, DURHAM, NORTH CAROLINA. Interaction of rheumatoid factor with infectious antibody complexes (human).
- N01DE-22407-02 (***) LILJEMARK, WILLIAM F, MINNEAPOLIS, MINNESOTA. Study agents affecting adherence of cariogenic microorganisms.
- N01DE-22415-01 (***) LILJEMARK, WILLIAM F, MINNEAPOLIS, MINNESOTA. Dental plaque indicators (human).
- N01DE-32405-01 (***) NISHIMURA, HIDEO, TOKYO, JAPAN. Prenatal development of human oral and facial structure.
- N01DE-32400-01 (***) COLE, MICHAEL F, LONDON, ENGLAND. Effect of dietary additives on plaque chemistry and caries incidence (monkeys).
- N01DE-32417-01 (***) KINGSBURY, ELIZABETH W, BETHESDA, MARYLAND. Localization of certain hydrolytic enzymes in periodontal ligament (rats).
- N01DE-32419-01 (***) STEPFER, ANTHONY J, CHICAGO, ILLINOIS. Scanning electron microscopy of migrating embryonic cells (chick embryo).
- N01DE-32425-01 (***) RAWLS, HENRY R, NEW ORLEANS, LOUISIANA. Fluorescent dye diagnosis for detection of dental caries (human).
- N01DE-32427-02 (***) FARRILL, E W, JACKSONVILLE, FLORIDA. Clinical trial of mouthrinse and dentifrice (human).
- N01DE-32429-01 (***) WEL, STEPHEN H, IOWA CITY, IOWA. Biopsy techniques for fluoride content of tooth enamel (human, cattle).
- N01DE-32430-01 (***) LOBENE, RALPH R, BOSTON, MASSACHUSETTS. Antimicrobial and anti-plaque agents (human).
- N01DE-42431-00 (***) MONCADA, FELIX, COLUMBIA, SOUTH AMERICA. Experimental development of invert panels.
- N01DE-42434-00 (***) BOYD, DALE D, VIENNA, VIRGINIA. Anti-carries immunization in sub-human primates.
- N01DE-42435-00 (***) TANQUARY, A CHARLES, BIRMINGHAM, ALABAMA. Development of improved materials for extraoral maxillofacial prosthesis.
- N01DE-42436-00 (***) ROBESON, LLOYD M, BOUND BROOK, NEW JERSEY. Materials for extraoral maxillofacial prosthesis.
- N01DE-42437-00 (***) TANZER, JASON M, FARMINGTON, CONNECTICUT. Prevention of human periodontal plaque.
- N01DE-42438-00 (***) TAURMAN, MARTIN A, BOSTON, MASSACHUSETTS. Experimentally induced dental caries in rodents.
- N01DE-42439-00 (***) WYCOFF, SAMUEL J, SAN FRANCISCO, CALIFORNIA. Mouthrinse and development of plaque in humans.
- N01DE-42440-00 (***) GENCO, ROBERT J, ALBANY, NEW YORK. Chemical agents to prevent human periodontal plaque.
- N01DE-42441-00 (***) MACKENZIE, IAN C, IOWA CITY, IOWA. Nutrition on the epithelium of oral mucous membranes (primates).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- N01DE-42442-00 (**)** ENWONWU, CYRIL, SEATTLE, WASHINGTON. Nutrition on the epithelium of oral mucous membranes.
- N01DE-42443-00 (**)** GRAVES, RICHARD C, ANN ARBOR, MICHIGAN. Fluoridation on incidence of human caries.
- N01DE-42444-00 (**)** LU, KUO H, PORTLAND, OREGON. Fluoride administration in controlling dental caries.
- N01DE-42445-00 (**)** DE PAOLA, PAUL F, BOSTON, MASSACHUSETTS. Fluoride administration in controlling dental caries (human).
- N01DE-42446-00 (**)** COWSAR, DONALD R, BIRMINGHAM, ALABAMA. Fluoride releasing system for oral use (human).
- N01DE-71473-10 (**)** REED, O M, SAN ANTONIO, TEXAS. Study of betel quid carcinogenesis (baboons).
- N01DE-71476-10 (**)** REED, O M, SAN ANTONIO, TEXAS. Reimplantation of baboon teeth.
- N01DH-14021-08 (**)** CRAWFORD, B J, CHICAGO, ILLINOIS. National dental manpower data compilation system.
- N01DH-24077-07 (**)** BARMES, DAVID E, 1211 GENEVA 27, SWITZERLAND. International collaborative study of dental manpower systems.
- N01DH-24182-04 (**)** WOLCOTT, ROBERT B, LOS ANGELES, CALIFORNIA. Train dental auxiliary students.
- N01DH-24246-04 (**)** EISENBUD, LEON, NEW HYDE PARK, NEW YORK. Simulation of an HMO-type prepaid capitation group practice.
- N01DH-24271-04 (**)** SMITH, CHARLES E, INDIANAPOLIS, INDIANA. School fluoridation program.
- N01DH-34005-02 (**)** STERR, AMBROSE M, MILWAUKEE, WISCONSIN. Geographic distribution of dental manpower within the state of Wisconsin.
- N01DH-34030-03 (**)** KELLEY, MARJORIE L, SAN FRANCISCO, CALIFORNIA. Evaluation of instructional materials of project ACORDE.
- N01DH-44059-00 (**)** HOUPF, MILTON, JERSEY CITY, NEW JERSEY. Models for dentition.
- N01DH-44060-00 (**)** DEMPSEY, J E, LEXINGTON, KENTUCKY. Demonstration dental practice.
- N01DH-44061-00 (**)** O'DONNELL, ROBERT G, CHICAGO, ILLINOIS. National conference on continuing dental education.
- N01DH-44064-00 (**)** LOUPE, MICHAEL J, MINNEAPOLIS, MINNESOTA. Simulated and clinical TEAM programs.
- N01DH-44065-00 (**)** KRESS, GERALD, CAMBRIDGE, MASSACHUSETTS. Conduct of an intensive two-week workshop for TEAM faculty.
- N01DH-44066-00 (**)** RAGAN, JOHN C, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Methodologies of prepaid dental plans.
- N01DH-44071-00 (**)** JONES, KEARNEY L, ALBANY, NEW YORK. Fluoridation.
- N01DH-44088-00 (**)** WOODALL, IRENE R, KALAMAZOO, MICHIGAN. Conference on dental hygiene curriculum.
- N01DH-44089-00 (**)** DEMPSEY, J E, GAINESVILLE, FLORIDA. Dental simulation model.
- N01DH-44091-00 (**)** WEIL, HENRY B, CAMBRIDGE, MASSACHUSETTS. Model of a dental care delivery system.
- N01DH-44092-00 (**)** KLOOSTER, JUDSON, LOMA LINDA, CALIFORNIA. Preventive dentistry curriculum.
- N01DH-44093-00 (**)** FELSTEIN, PAUL, ANN ARBOR, MICHIGAN. Dental manpower econometric model.
- N01DH-44095-00 (**)** SNYDER, DAVID, SILVER SPRING, MARYLAND. National survey of dentists practice characteristics.
- N01DH-44097-00 (**)** PASCHAL, E, CHICAGO, ILLINOIS. Survey of licensed dental hygienist.
- N01DH-44099-00 (**)** HAUBER, CARL H, CHICAGO, ILLINOIS. Dental hygiene board examinations.
- N01DH-44101-00 (**)** GREENWAY, JAMES H, ANN ARBOR, MICHIGAN. Cost analysis of dental treatment.
- N01DH-44107-00 (**)** GERRY, RALPH, BOSTON, MASSACHUSETTS. Training in expanded auxiliary management programs.
- N01DH-44117-00 (**)** KELLEY, MARJORIE, CASTRO VALLEY, CALIFORNIA. Dentistry.
- N01DH-44118-00 (**)** BATEMAN, STANLEY C, SAN FRANCISCO, CALIFORNIA. Tooth debridement and related training.
- N01DH-44137-00 (**)** REDIG, DALE F, SAN FRANCISCO, CALIFORNIA. Utilization of dental auxiliaries.
- N01DH-44138-00 (**)** TUR, L, LOUISVILLE, KENTUCKY. Development of a computerized patient scheduling system.
- N01DH-44145-00 (**)** MARTIN, RUSSELL W JR, PRINCETON, NEW JERSEY. Training for expanded dental auxiliaries.
- N01DH-44188-00 (**)** HUGHES, JOHN, CHAPEL HILL, NORTH CAROLINA. Workshop for identifying behavioral objectives for dental public health education.
- N01DH-44226-00 (**)** CHOXIE, DONALD, AUGUSTA, MAINE. Fluorination program in schools.
- N01DH-44227-00 (**)** KELLOW, FRED S, CHEYENNE, WYOMING. Fluorination program in schools.
- N01DH-44233-00 (**)** HART, JOHN, CINCINNATI, OHIO. National survey of dentists practice characteristics.
- P10ES-00002-12 (SSS)** WHITTENBERGER, JAMES L, 665 HUNTINGTON AVENUE, BOSTON, MASS. Occupational and environmental health.
- P10ES-00002-12 0001 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Environmental carcinogenesis (human).
- P10ES-00002-12 0002 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Environmental causes of congenital defect.
- P10ES-00002-12 0003 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Workers exposed to toluene diisocyanate.
- P10ES-00002-12 0004 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Fire fighters.
- P10ES-00002-12 0005 (SSS)** WHITTENBERGER, JAMES. Occupational and environmental health-Liver alkaline phosphatase increase after toxic exposure (rats).
- P10ES-00002-12 0006 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Modification of toxicity of chlorinated aliphatics (rats).
- P10ES-00002-12 0007 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Interaction of chlorinated hydrocarbons and drugs on microsomal enzymes (rats).
- P10ES-00002-12 0008 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Action of organophosphate insecticides (rats).
- P10ES-00002-12 0009 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Organophosphate toxicity and tissue hydrolases (rodents, chickens, frogs, fish).
- P10ES-00002-12 0010 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Inhalation toxicology (rats).
- P10ES-00002-12 0011 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Metal-toxicity interactions (rabbits).
- P10ES-00002-12 0012 (SSS)** BRAIN, JOSEPH. Occupational and environmental health-Alveolar macrophages (rats, hamsters, rabbits, cats).
- P10ES-00002-12 0013 (SSS)** WHITTENBERGER, JAMES L. Occupational and environmental health-Uptake of gases by the human nose.
- P10ES-00002-12 0014 (SSS)** LITTLE, JOHN B. Occupational and environmental health-Effect of radiation on stationary cells (human).
- P10ES-00002-12 0015 (SSS)** LITTLE, JOHN B. Occupational and environmental health-Recovery from radiation injury in amoeboid cell.
- P10ES-00002-12 0016 (SSS)** WILLIAMS JERRY L. Occupational and environmental health-Structure and function of DNA in radiation response (human).
- P10ES-00002-12 0017 (SSS)** LITTLE, JOHN B. Occupational and environmental health-Experimental respiratory carcinogenesis (hamsters).
- P01ES-00040-10 (SSS)** FREED, VIRGIL H, OREGON STATE UNIVERSITY, DEPT OF AGRICULTURAL CHEMISTRY, CORVALLIS, OREG. Environmental toxicology of pesticides.
- P01ES-00040-10 0001 (SSS)** GILLET, JAMES W. Environmental toxicology of pesticides-Pesticide-stressor interactions with microsomal enzymes (rats).
- P01ES-00040-10 0002 (SSS)** BUHLER, D R. Environmental toxicology of pesticides-Influence on trace metal and amino acid metabolism (rats, fish).
- P01ES-00040-10 0003 (SSS)** MORRIS, R O. Environmental toxicology of pesticides-Effects on protein and nucleic acid metabolism (rats).
- P01ES-00040-10 0004 (SSS)** MONTGOMERY, M. Environmental toxicology of pesticides-Comparative metabolism of chemical toxicants (plants, rats).
- P01ES-00040-10 0005 (SSS)** HAGUE, R. Environmental toxicology of pesticides-Molecular interactions.
- P01ES-00040-10 0006 (SSS)** TINSLEY, IAN J. Environmental toxicology of pesticides-Nutritional and toxic stress interaction, lipid metabolism (rats, birds).
- P01ES-00040-10 0007 (SSS)** ARSCOTT, G H. Environmental toxicology of pesticides-Nutritional and toxic stress interaction, lipid metabolism (birds).
- P01ES-00040-10 0008 (SSS)** STEPHEN, W P. Environmental toxicology of pesticides-Effects of chronic sublethal doses on behavior and longevity of arthropods.
- P01ES-00040-10 0009 (SSS)** FINK, G B. Environmental toxicology of pesticides-Pharmacological effects of pesticides (mice, rats, dogs).
- P01ES-00040-10 0010 (SSS)** LUFT, GEORGE S. Environmental toxicology of pesticides-Psychobiological effects of pesticides (rats, quail).
- P01ES-00040-10 0012 (SSS)** WARREN, CHARLES E. Environmental toxicology of pesticides-Effects of dieldrin on aquatic animals (fish).
- P01ES-00040-10 0014 (SSS)** LINDSTROM, F T. Environmental toxicology of pesticides-Maintain collections of strains of microorganisms and cont.
- P01ES-00044-10 (SSS)** GUTHRIE, FRANK E, NORTH CAROLINA STATE UNIV, DEPARTMENT OF ENTOMOLOGY, RALEIGH, N C. Mechanisms of pesticide action.
- P01ES-00044-10 0001 (SSS)** MAIN, A R. Mechanisms of pesticide action-Purification and characterization of cholinesterase (horse serum).
- P01ES-00044-10 0002 (SSS)** DAUTERMAN, WALTER. Mechanisms of pesticide action-Molecular basis for comparative toxicity (insects, mammals nonhuman).
- P01ES-00044-10 0003 (SSS)** MORELAND, D. Mechanisms of pesticide action-Action and metabolism of herbicides (plants, mammals nonhuman).
- P01ES-00044-10 0004 (SSS)** HODGSON, ERNEST. Mechanisms of pesticide action-Intermediate metabolism of phospholipids (insects, mice).
- P01ES-00044-10 0005 (SSS)** HODGSON, ERNEST. Mechanisms of pesticide action-Microsomal oxidation of xenobiotics (flies, mice).
- P01ES-00044-10 0006 (SSS)** GROSCHE, D. Mechanisms of pesticide action-Genetic effects of toxicants (wasps, shrimp).
- P01ES-00044-10 0007 (SSS)** GUTHRIE, FRANK E. Mechanisms of pesticide action-Intracellular distribution of pesticides (insects, mice).
- P01ES-00049-10 (SSS)** CASIDA, JOHN E, UNIVERSITY OF CALIFORNIA, DIVISION OF ENTOMOLOGY, BERKELEY, CALIF. Mode of action and metabolism of organic toxicants.
- P01ES-00049-10 0001 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Pyrethroids radiosynthesis.
- P01ES-00049-10 0002 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Pyrethroids metabolism (rats, mice, flies).
- P01ES-00049-10 0003 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Pyrethroids photodecomposition.
- P01ES-00049-10 0004 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Pyrethroids mode of action (milkweed bugs).
- P01ES-00049-10 0005 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Chlorinated hydrocarbons-2,3,7,8-tetrachlorodibenzo-p-dioxin (rats, mice).
- P01ES-00049-10 0006 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Use of photosensitizers in regulating the persistence of pesticide chemicals.
- P01ES-00049-10 0007 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Photoisomers of chlorinated methano-bridged cyclodienes.
- P01ES-00049-10 0008 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Toxaphene (rats, insects, plants, microorganisms).
- P01ES-00049-10 0009 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Rotenone-Metabolism and photoalteration (mice, rats, fish).
- P01ES-00049-10 0010 (SSS)** CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Organotin pesticide chemicals-Metabolism and photodecomposition (rodents).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01ES-00049-10 0011 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Respiratory uncouplers-Metabolism and photodegradation (mites).
- P01ES-00049-10 0012 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Binding sites of inhibitors and uncouplers in the respiratory chain.
- P01ES-00049-10 0013 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Organophosphorus insecticides-Selective toxicity, terminal residues (rats).
- P01ES-00049-10 0014 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Thionophosphorus insecticides-Mixed function oxidase system (rodents, flies).
- P01ES-00049-10 0015 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Methylcarbamate insecticide chemicals (rats, plants).
- P01ES-00049-10 0016 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Biochemistry of teratogenesis induced by esterase inhibitors (mice, rats).
- P01ES-00049-10 0017 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Sublethal effects of organophosphorus compounds and methyl carbamates in insects.
- P01ES-00049-10 0018 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Juvenoids-Radiosynthesis, metabolism, photoalteration (insects, algae).
- P01ES-00049-10 0019 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Thiocyanate insecticide chemicals-Metabolism and mode of action (flies, mice).
- P01ES-00049-10 0020 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-N-chloroallylthio fungicides-Metabolism and terminal residue (rodents).
- P01ES-00049-10 0021 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Arythiureas-Metabolism and mode of action (mice, Drosophila).
- P01ES-00049-10 0022 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Thiocarbamate herbicides-Metabolism and mode of action (mice, plants).
- P01ES-00049-10 0023 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Biochemical genetics of insecticide chemical resistance in insects (flies).
- P01ES-00049-10 0024 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Synergists for insecticide chemicals-Metabolism and mode of action (mammals).
- P01ES-00049-10 0025 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-Polycyclic phosphorus compounds with toxicological properties (mice, chicks).
- P01ES-00049-10 0026 (SSS) CASIDA, JOHN E. Mode of action and metabolism of organic toxicants-l-Benzoyl-3-phenylurea-Metabolism and mode of action (insects).
- P01ES-00054-10 (SSS) KILGORE, WENDELL W, UNIV OF CAL, DEPT OF ENVIRO TOXICOL, DAVIS, CALIF. Environmental impact of chlorinated hydrocarbons.
- P01ES-00054-10 0009 (SSS) KILGORE, WENDELL W. Environmental impact of chlorinated hydrocarbons-Analytical methodology.
- P01ES-00054-10 0010 (SSS) BIGGAR, JAMES W. Environmental impact of chlorinated hydrocarbons-Dissipation and transport of chlorinated hydrocarbons in soil.
- P01ES-00054-10 0011 (SSS) KNIGHT, ALLEN W. Environmental impact of chlorinated hydrocarbons-Translocation of hydrocarbons in aquatic food chain (algae, insects, fish).
- P01ES-00054-10 0012 (SSS) HSIEH, DENNIS P. Environmental impact of chlorinated hydrocarbons-Accelerated microbial degradation.
- P01ES-00054-10 0013 (SSS) OLCOTT, HAROLD S. Environmental impact of chlorinated hydrocarbons-Polychlorinated biphenyls in an aquatic environment (fish, lobsters, crayfish).
- P01ES-00054-10 0014 (SSS) FREDLAND, RICHARD A. Environmental impact of chlorinated hydrocarbons-Biological effects of chlorinated hydrocarbons in birds and rodents.
- P01ES-00054-10 0015 (SSS) CROSBY, DONALD G. Environmental impact of chlorinated hydrocarbons-Comparative detoxication of pesticides (monkeys, rodents, birds, amphibians).
- P01ES-00054-10 0016 (SSS) KRIGER, ROBERT I. Environmental impact of chlorinated hydrocarbons-Chemico-biological interactions in the Rhesus monkey.
- R01ES-00075-10 (SSS) NEAL, ROBERT A, VANDERBILT UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, NASHVILLE, TENN. Enzyme mechanism of insecticide metabolism (rats).
- R01ES-00084-10 (SSS) MURPHY, SHELDON D, 665 HUNTINGTON AVENUE, BOSTON, MASS, BOSTON, MASS. Factors affecting pesticide toxicity (fish, frogs, mice).
- P10ES-00109-09 (TOX) HUTCHENS, JOHN O, UNIVERSITY OF CHICAGO, 930 EAST 58TH STREET, CHICAGO, ILL. Interactions of pesticides, drugs and other chemicals (mice, rats, quail).
- R01ES-00121-09 (SSS) MENZER, ROBERT E, UNIVERSITY OF MARYLAND, DEPT OF ENTOMOLOGY, COLLEGE PARK, MD. Oxidation dealkylation of insecticides (rats, human, fish, quail).
- P10ES-00159-09 (SSS) SUSKIND, RAYMOND R, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Center for study of the human environment.
- P10ES-00159-09 0009 (SSS) PETERING, H G. Center for study of the human environment-Effect of toxic metals and drugs on zinc and copper metabolism (rats).
- P10ES-00159-09 0010 (SSS) OPLAHERTY, ELLEN J. Center for study of the human environment-Interaction of copper, zinc, and environmental chemicals and lipid metabolism.
- P10ES-00159-09 0011 (SSS) CHRISTIAN, ROBERT J. Center for study of the human environment-Evaluation of metal interactions in cultured cells.
- P10ES-00159-09 0012 (SSS) CHRISTIAN, ROBERT J. Center for study of the human environment-Trace metal requirements for connective tissue synthesis in cell culture.
- P10ES-00159-09 0013 (SSS) SCHUMACHER, HERBERT J. Center for study of the human environment-Role of metals in teratogenic activity of environmental chemicals (animals).
- P10ES-00159-09 0014 (SSS) SUSKIND, RAYMOND R. Center for study of the human environment-Teratogenesis produced by chemicals by interaction with metals.
- P10ES-00159-09 0015 (SSS) SUSKIND, RAYMOND R. Center for study of the human environment-Salicylic acid (rats).
- P10ES-00159-09 0016 (SSS) GROSS, STANLEY B. Center for study of the human environment-Human body burden of metals.
- P10ES-00159-09 0017 (SSS) FOULKES, ERNEST P. Center for study of the human environment-Action of heavy metals on the kidney (rabbits).
- P10ES-00159-09 0018 (SSS) COOPER, GARY P. Center for study of the human environment-Effects of lead and mercury on spinal reflex transmission (cats).
- P10ES-00159-09 0019 (SSS) COOPER, GARY P. Center for study of the human environment-Chronic lead ingestion and learning in rats.
- P10ES-00159-09 0020 (SSS) MICHAELSON, ARTHUR. Center for study of the human environment-Interaction of toxic and essential metals with the brain (rabbits).
- P10ES-00159-09 0021 (SSS) NIKLOWITZ, WERNER J. Center for study of the human environment-Toxic metals and specific brain structures (rabbits).
- P10ES-00159-09 0022 (SSS) EMMETT, E A. Center for study of the human environment-Skin and ultraviolet radiation and photosensitizing agents (guinea pigs).
- P10ES-00159-09 0023 (SSS) PFITZER, EMIL A. Center for study of the human environment-Ability of impaired lung to eliminate inhaled dust.
- P10ES-00159-09 0024 (SSS) MATTHEIS, EULA B. Center for study of the human environment-Pulmonary responses to experimental dust exposures (rats).
- P10ES-00159-09 0025 (SSS) KAPLAN, PHYLLIS D. Center for study of the human environment-Interactions related to inhaled environmental metals.
- P10ES-00159-09 0026 (SSS) BROOKS, STUART M. Center for study of the human environment-Lung perfusion model for steroid metabolism study (rats, rabbits).
- P10ES-00159-09 0027 (SSS) KLEVAY, LESLIE M. Center for study of the human environment-Metabolic excretion from chlorinated hydrocarbon insecticides.
- P10ES-00159-09 0028 (SSS) SALTZMAN, BERNARD E. Center for study of the human environment-Analytical methodology for trace metals.
- R01ES-00163-07 (TOX) WOOLLEY, DOROTHY E, UNIVERSITY OF CALIFORNIA, DEPT OF ENVIRONMENTAL TOX, DAVIS, CALIF. Physiological effects of chronic exposure to toxicants (rats, monkeys, mice).
- R01ES-00205-21 (TOX) DAHM, PAUL A, IOWA STATE UNIVERSITY, INSECTARY BUILDING, AMES, IOWA. Insecticide metabolism in animals and microorganisms (plants, insects, mammals).
- P10ES-00210-07 (SSS) FREED, VIRGIL H, OREGON STATE UNIVERSITY, ENVIRONMENTAL HEALTH SCI CTR, CORVALLIS, OREG. Center for environmental management.
- P10ES-00210-07 0011 (SSS) BUHLER, D R. Center for environmental management-Heavy metal toxicity.
- P10ES-00210-07 0012 (SSS) FANG, S C. Center for environmental management-Mercury in the environment (rats).
- P10ES-00210-07 0013 (SSS) WESWIG, P H. Center for environmental management-Heavy metals in the environment (rats, sheep).
- P10ES-00210-07 0014 (SSS) WAGNER, S L. Center for environmental management-Heavy metals and intestinal lactose enzymes (hogs, rats, human).
- P10ES-00210-07 0015 (SSS) MORTON, W E. Center for environmental management-Skin cancer and arsenic in Lane County, Oregon.
- P10ES-00210-07 0016 (SSS) SIMPSON, P G. Center for environmental management-Interaction of pollutant metal ions with proteins.
- P10ES-00210-07 0017 (SSS) HAQUE, R. Center for environmental management-Lipid chemical interaction.
- P10ES-00210-07 0018 (SSS) ISENBERG, I. Center for environmental management-Histone IV binding.
- P10ES-00210-07 0019 (SSS) BEAUDREAU, G S. Center for environmental management-Environmental chemicals and tumor virus expression-induction (rabbits).
- P10ES-00210-07 0020 (SSS) MORRIS, R O. Center for environmental management-DDT and transfer RNA metabolism (rats).
- P10ES-00210-07 0021 (SSS) REED, D J. Center for environmental management-Hydroxylation of xenobiotics by plants.
- P10ES-00210-07 0022 (SSS) FANG, S C. Center for environmental management-Pharmacodynamics of aromatic acids (rats).
- P10ES-00210-07 0023 (SSS) ADAMS, F W. Center for environmental management-Low level airborne fluorides and animal growth and reproduction (rats, hamsters).
- P10ES-00210-07 0024 (SSS) DOST, F N. Center for environmental management-Intoxication by nitrogen oxides.
- P10ES-00210-07 0025 (SSS) DOST, F N. Center for environmental management-Steady state subacute and subchronic hydrazine intoxication (rats).
- P10ES-00210-07 0026 (SSS) GILLET, J W. Center for environmental management-Biochemical toxicology (swine, rats).
- P10ES-00210-07 0027 (SSS) WEBER, T J. Center for environmental management-Prediction of effects of environmental toxicants.
- P10ES-00210-07 0028 (SSS) LEE, S S. Center for environmental management-DDT and growth and carbon fixation of *S. capricornutum*.
- P10ES-00210-07 0029 (SSS) BUHLER D R. Center for environmental management-Biochemical effects of chlorinated bisphenols (rats).
- P10ES-00210-07 0030 (SSS) BROOKS, R E. Center for environmental management-Histopathology of lungs of rats.
- P10ES-00210-07 0031 (SSS) FILMER, R. Center for environmental management-Adsorption of tritium labeled Q-beta virus on powdered silica.
- P10ES-00210-07 0032 (SSS) WIGHT, H M. Center for environmental management-Pesticides in central and western Oregon (hawks).
- P10ES-00210-07 0033 (SSS) GARDNER, E H. Center for environmental management-Movement of fertilizer nitrogen in soil.
- P10ES-00210-07 0034 (SSS) PETERSEN, R G. Center for environmental management-Estimating growth parameters in linear model (rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P10ES-00210-07 0035 (SSS) SCHMITT, R. A. Center for environmental management-Pollutant flow in the Willamette River.

P10ES-00210-07 0036 (SSS) MORTON, W. E. Center for environmental management-Pentachlorophenol exposure of workers in wood treatment plants.

P10ES-00210-07 0037 (SSS) WEBB, W. L. Center for environmental management-Model of photosynthesis.

P10ES-00210-07 0038 (SSS) CLAYS, R. R. Center for environmental management-Analytical services.

R01ES-00223-09 (TOX) SIKKA, HARISH, SYRACUSE UNIVERSITY, LIFE SCIENCES DIVISION, SYRACUSE, N. Y. Comparative toxicology of certain pesticides (mice, human, algae, bacteria).

P01ES-00226-08 (SSS) GOLBERG, LEON, ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N. Y. Comparative environmental toxicology.

P01ES-00226-08 0001 (SSS) GOLBERG, LEON. Comparative environmental toxicology-Atmospheric lead and other agents interaction (rodents, rabbits, monkeys, human).

P01ES-00226-08 0002 (SSS) GOLBERG, LEON. Comparative environmental toxicology-Methylmercury and other agents interaction (primates subhuman, mice, rats, rabbit).

P01ES-00226-08 0003 (SSS) GOLBERG, LEON. Comparative environmental toxicology-Interaction of polychlorinated biphenyls (rodents, dogs, swine, monkeys).

P01ES-00226-08 0004 (SSS) GOLBERG, LEON. Comparative environmental toxicology-Interaction of carrageenan with other agents (rodents, rabbits, dogs, primates).

P01ES-00226-08 0005 (SSS) GOLBERG, LEON. Comparative environmental toxicology-Interaction of MSG with other agents (rodents, dogs, swine, monkeys).

R01ES-00254-12 (TOX) MARTIN, JOHN L. COLORADO STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, FORT COLLINS, COLO. Selenium metabolism (bacteria, plants, rats, mice).

R01ES-00256-08 (PTM) SINNHUBER, RUSSELL O. OREGON STATE UNIVERSITY, DEPT OF FOOD SCIENCE AND TECHN, CORVALLIS, OREG. Mycotoxin toxicity and carcinogenesis in trout.

P10ES-00260-12 (SSS) NELSON, MORTON, NEW YORK UNIV MEDICAL CTR, 550 FIRST AVENUE, NEW YORK, N. Y. Research in the environmental health sciences.

P10ES-00260-12 0001 (SSS) PALMES, EDWARD D. Research in the environmental health sciences-Chemical carcinogenesis (mice, rats).

P10ES-00260-12 0002 (SSS) PALMES, EDWARD D. Research in the environmental health sciences-Respiratory disease aerosol physiology (human).

P10ES-00260-12 0003 (SSS) LAUER, G. J. Research in the environmental health sciences-Entrainment of organisms in cooling water passing through generator condensers.

P10ES-00260-12 0004 (SSS) ALTSHULER, BERNARD. Research in the environmental health sciences-Biostatistics (human).

P10ES-00260-12 0005 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Long-term effects of x-ray therapy for ringworm of the scalp (human).

P10ES-00260-12 0007 (SSS) TROLL, WALTER. Research in the environmental health sciences-Biochemistry of chemical carcinogens, promoting agents and mutagens.

P10ES-00260-12 0008 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Tumorigenic response to ionizing radiation and chemical carcinogens (rats, mice).

P10ES-00260-12 0009 (SSS) KUSCHNER, MARVIN. Research in the environmental health sciences-Pulmonary carcinogenesis and carcinogenic potential of materials (rodents).

P10ES-00260-12 0010 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Respiratory tract particle deposition and bronchial clearance (human, donkeys).

P10ES-00260-12 0012 (SSS) KNEIP, T. K. Research in the environmental health sciences-Distribution of cadmium in a heavily contaminated marsh (Hudson River).

P10ES-00260-12 0013 (SSS) WRENN, M. E. Research in the environmental health sciences-Radiocesium in the Hudson River estuary (fish).

P10ES-00260-12 0014 (SSS) COHEN. Research in the environmental health sciences-Rotation of lead-210, americium-241 and cesium-137 (human, baboon).

P10ES-00260-12 0015 (SSS) WRENN, M. E. Research in the environmental health sciences-Effects of iron-55 on the hematopoietic system (mice).

P10ES-00260-12 0016 (SSS) KNEIP, T. K. Research in the environmental health sciences-Airborne and settled dust and human tissue burden in New York City.

P10ES-00260-12 0018 (SSS) PALMES, EDWARD D. Research in the environmental health sciences-S-sulfonate in plasma (human, primates, rabbits, rodents).

P10ES-00260-12 0019 (SSS) GOLDSTEIN, BERNARD D. Research in the environmental health sciences-Biochemical effects of oxidant air pollutants (human, mice, rats).

P10ES-00260-12 0020 (SSS) KNEIP, T. K. Research in the environmental health sciences-Lead poisoning (baboons).

P10ES-00260-12 0021 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Longitudinal study of lead poisoning in children.

P10ES-00260-12 0022 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Epidemiologic study of cancer among workers exposed to bis (chloromethyl) ether.

P10ES-00260-12 0024 (SSS) ALTSHULER, BERNARD. Research in the environmental health sciences-Dose-response and kinetics of tumor formation (mice).

P10ES-00260-12 0028 (SSS) PASTERNAK, B. Research in the environmental health sciences-Alpha dosimetry (human).

P10ES-00260-12 0029 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Breast cancer after postpartum mastitis.

P10ES-00260-12 0030 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Mortality among individuals treated with arsenicals.

P10ES-00260-12 0031 (SSS) ALBERT, ROY E. Research in the environmental health sciences-Mortality patterns during summer heat waves in New York City.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P10ES-00260-12 0032 (SSS) EISENBAUD, M. Research in the environmental health sciences-Natural radioactivity in Brazil.

P10ES-00260-12 0033 (SSS) PALMES, EDWARD D. Research in the environmental health sciences-Personal sampler for air contaminants.

R01ES-00263-09 (TOX) LEE, DONALD J. OREGON STATE UNIVERSITY, DEPT OF FOOD SCI & TECHNOLOGY, CORVALLIS, OREG. Biological and toxic effects of cyclopropanols (fish, rats, mice).

R01ES-00264-07 (CVA) KLINBERMAN, JEROME I. ST LUKE'S HOSPITAL, 11311 SHAKER BLVD, CLEVELAND, OHIO. Analysis of mechanisms of experimental emphysema (hamsters, guinea pigs, cats).

P10ES-00267-07 (SSS) NEAL, ROBERT A. VANDERBILT UNIVERSITY, VANDERBILT MEDICAL CENTER, NASHVILLE, TENN. Center for environmental toxicology.

P10ES-00267-07 0006 (SSS) NEAL, ROBERT A. Center for environmental toxicology-Metabolism of phosphorothionate insecticides (rats).

P10ES-00267-07 0007 (SSS) JONES, MARK M. Center for environmental toxicology-Chelating agents for heavy metals (mice).

P10ES-00267-07 0008 (SSS) WILSON, BENJAMIN J. Center for environmental toxicology-Mycotoxins and other plant poisons (mice).

P10ES-00267-07 0011 (SSS) HARBISON, RAYMOND D. Center for environmental toxicology-Developmental toxicology and teratology (rodents, rabbits, human).

P10ES-00267-07 0012 (SSS) DIMARI, SAMUEL J. Center for environmental toxicology-Basic proteins of Elapid venoms-Mechanism of action (rats, mice).

P01ES-00269-08 (SSS) URBACH, FREDERICK, SKIN AND CANCER HOSPITAL, 3322 NORTH BROAD STREET, PHILADELPHIA, PA. Biological effects of environmental radiation.

P01ES-00269-08 0001 (SSS) BERGER, DANIEL. Biological effects of environmental radiation-Instrumentation (human, animals).

P01ES-00269-08 0002 (SSS) DAVIES, RONALD E. Biological effects of environmental radiation-Photochemistry of photoactive agents (rats, human).

P01ES-00269-08 0003 (SSS) MANN, STANLEY J. Biological effects of environmental radiation-Animal models and cutaneous biology (rodents, rabbits, miniature swine).

P01ES-00269-08 0005 (SSS) SISSON, THOMAS R. C. Biological effects of environmental radiation-Environmental photobiology (human, swine miniature, rats).

P01ES-00269-08 0006 (SSS) URBACH, FREDERICK. Biological effects of environmental radiation-Light and cancer (human, mice, rats).

R01ES-00296-06 (TOX) WEBB, RYLAND E. VIRGINIA POLYTECH INST & ST U, DEPT OF BIOCHEM AND NUTRITION, BLACKSBURG, VA. Pesticide resistance studies (Pine mice).

R01ES-00320-07 (GEN) LEE, WILLIAM R. LOUISIANA STATE UNIVERSITY, DEPT OF ZOOLOGY & PHYSIOLOGY, BATON ROUGE, LA. Quantitative genetic study of environmental mutagen (*Drosophila*, hamsters).

R01ES-00322-10 (TOX) SNYDER, ROBERT, THOMAS JEFFERSON UNIV, 1020 LOCUST STREET, PHILADELPHIA, PA. Benzene toxicity and metabolism (mice).

R01ES-00336-06 (TOX) CAMPBELL, T. COLIN, VIRGINIA POLYTECHNIC INST, DEPT OF BIOCHEM & NUTRITION, BLACKSBURG, VA. Aflatoxin toxicity influenced by various factors (rats).

R01ES-00353-07 (TOX) REEVES, ANDREW L. WAYNE STATE UNIV SCH OF MED, 1400 CHRYSLER FREEWAY, DETROIT, MICH. Pathogenesis of pulmonary berilliosis (guinea pigs).

P01ES-00354-07 (AFY) GAGGE, A. PHARO, JOHN B. PIERCE FOUNDATION LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Human responses to thermal environment.

P01ES-00354-07 0001 (AFY) GAGGE, A. PHARO. Human responses to thermal environment-Heat transfer from skin surface to the environment (man).

P01ES-00354-07 0002 (AFY) GAGGE, A. PHARO. Human responses to thermal environment-Regulation of circulation, respiration and body temperature (human, rabbits).

P01ES-00354-07 0003 (AFY) GAGGE, A. PHARO. Human responses to thermal environment-Physiological and behavioral temperature regulation (monkeys).

P01ES-00354-07 0004 (AFY) GAGGE, A. PHARO. Human responses to thermal environment-Thermal psychophysical and human behavioral thermoregulation.

P01ES-00354-07 0005 (AFY) GAGGE, A. PHARO. Human responses to thermal environment-Models of physiological and behavioral temperature regulation.

P01ES-00354-07 0006 (AFY) GAGGE, A. PHARO. Human responses to thermal environment-Thermal environment and health.

R01ES-00362-16 (TOX) TERRIERE, LEON C. OREGON STATE UNIVERSITY, DEPT OF ENTOMOLOGY, CORVALLIS, OREG. Detoxication mechanisms in insects (houseflies).

R01ES-00376-11 (BBCA) WEISS, KARL, NORTHEASTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, BOSTON, MASS. Laser radiation in photochemistry and photobiology.

R01ES-00396-06 (TOX) WESTFALL, DAVID P. WEST VIRGINIA UNIVERSITY, DEPT OF PHARMACOLOGY, MORGANTOWN, W. VA. Tolerance to cholinesterase inhibitors (rats).

R01ES-00400-06 (TOX) WILKINSON, CHRISTOPHER F. CORNELL UNIVERSITY, DEPT OF ENTOMOLOGY, ITHACA, N. Y. Microsomal enzymes (army worms, mammals).

R01ES-00404-06 (TOX) WENZEL, DUANE G. UNIVERSITY OF KANSAS, SCHOOL OF PHARMACY, LAWRENCE, KANS. Carbon monoxide and cultured heart cells (rats).

R01ES-00412-06 (TOX) YARBROUGH, JAMES D. MISSISSIPPI STATE UNIVERSITY, P. O. DRAWER Z, STATE COLLEGE, MISS. Mechanisms of insecticide resistance.

R01ES-00412-06 0001 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Binding of organochlorine compounds in fish tissues.

R01ES-00412-06 0002 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Effect of dual insecticide exposure on uptake, binding and enzymes (fish).

R01ES-00412-06 0003 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-ATPase (fish).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1ES-00412-06 0004 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Oxidative enzyme studies (fish).

RO1ES-00412-06 0005 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Tissue culture (fish).

RO1ES-00412-06 0005 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Blood-brain barrier (fish).

RO1ES-00412-06 0007 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Sites of action of organochlorine compounds in central nervous tissue (fish).

RO1ES-00412-06 0008 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Myelin structure (fish).

RO1ES-00412-06 0009 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-DDT conversion (fish).

RO1ES-00412-06 0010 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Phosphatases (fish).

RO1ES-00412-06 0011 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Esterases (fish).

RO1ES-00412-06 0012 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Species tolerance to rotenone (fish).

RO1ES-00412-06 0013 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Mechanism of resistance to rotenone and pyrethrum (fish).

RO1ES-00412-06 0014 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Toxicity of herbicides (fish).

RO1ES-00412-06 0015 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Effects of glucocorticoids on insecticide-degrading and target enzymes (fish).

RO1ES-00412-06 0016 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Effect of pesticides on hormone levels and enzyme activity (fish).

RO1ES-00412-06 0017 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Induction of microsomal mixed function oxidases and esterases (fish).

RO1ES-00412-06 0018 (TOX) YARBROUGH, JAMES D. Mechanisms of insecticide resistance-Cyclic nucleotides in toxic action of and in resistance to insecticides (fish).

RO1ES-00421-10 (CVA) WATSON, JOSEPH A, UNIVERSITY OF PITTSBURGH, 130 DE SOTO STREET, PITTSBURGH, PA. Upper respiratory tract clearance (rats).

RO1ES-00426-04 (TOX) GUILBAULT, GEORGE G, LOUISIANA STATE UNIVERSITY, LAKEFRONT CAMPUS, NEW ORLEANS, LA. Effect of environmental pollutants on enzyme systems.

RO1ES-00485-06 (TOX) PARKAS, WALTER R, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Effect of low levels of lead on protein synthesis (rabbits, mice).

PO1ES-00454-06 (SSS) RUBIN, ROBERT J, JOHNS HOPKINS SCH OF HYG & P H, 615 N WOLFE ST, BALTIMORE, MD. Biological effects of environmental agents.

PO1ES-00454-06 0002 (SSS) BAETJER, ANNA M. Biological effects of environmental agents-Dehydration, food deprivation and clearance of environmental agents (rodents).

PO1ES-00454-06 0003 (SSS) RUBIN, ROBERT J. Biological effects of environmental agents-Carbon monoxide hypoxic hypoxia and drug response in vivo (rats, human).

PO1ES-00454-06 0005 (SSS) ANNAU, ZOLTAN. Biological effects of environmental agents-In utero methylmercury ingestion (rats, mice).

PO1ES-00454-06 0006 (SSS) RILEY, RICHARD L. Biological effects of environmental agents-Control of airborne infection in hospitals and laboratories.

PO1ES-00454-06 0008 (SSS) RUBIN, ROBERT J. Biological effects of environmental agents-Phthalate ester plasticizers (human, laboratory animals).

PO1ES-00454-06 0010 (SSS) GOLDBERG, A. M. Biological effects of environmental agents-Neurochemistry of lead intoxication (mice, rats).

PO1ES-00454-06 0012 (SSS) PROCTOR, DONALD F. Biological effects of environmental agents-Air hygiene (human, dogs).

PO1ES-00454-06 0013 (SSS) GURTNER, GAIL H. Biological effects of environmental agents-Cytochrome P450 binding compounds and oxygen transfer (sheep).

PO1ES-00454-06 0015 (SSS) BROMBERGER-BARNEA, B. Biological effects of environmental agents-Comparative effects of hypoxic hypoxia and CO hypoxia on the heart (dogs).

PO1ES-00454-06 0017 (SSS) FALES, JOHN T. Biological effects of environmental agents-Effect of CO and low O-2 on muscle performance (cats, mice).

PO1ES-00454-06 0018 (SSS) FRAZIER, JOHN M. Biological effects of environmental agents-Metal poisoning of oyster cell as model of cadmium intoxication.

PO1ES-00454-06 0019 (SSS) ADAMS, G K. Biological effects of environmental agents-Central inhibition of respiration by organophosphate insecticides (guinea pigs).

PO1ES-00454-06 0020 (SSS) ANNAU, ZOLTAN. Biological effects of environmental agents-Behavioral and CNS system effects of CO exposure (rats, baboons).

PO1ES-00454-06 0021 (SSS) FITZGERALD, ROBERT S. Biological effects of environmental agents-Neural reflexes in cardiovascular response to CO and hypoxic hypoxia (dogs).

PO1ES-00454-06 0022 (SSS) TRAYSTMAN, RICHARD J. Biological effects of environmental agents-Effect of CO and hypoxic hypoxia on cerebral and cephalic blood flow (dogs).

PO1ES-00454-06 0023 (SSS) TSO, P O P. Biological effects of environmental agents-Mutagens, carcinogens, nucleic acids and cell transformation (hamsters).

PO1ES-00454-06 0024 (SSS) HUANG, P C. Biological effects of environmental agents-Repair mechanisms in genetic damage and influence of environmental agents (human).

RO1ES-00459-04 (SSS) NORTON, TED R, UNIV OF HAWAII SCHOOL OF MED, 3675 KILAUEA AVE, HONOLULU, HAWAII. Inhalation toxicology of environmental agents (rats).

RO1ES-00463-03 (TOX) CARLTON, WILLIAM W, PURDUE UNIVERSITY, SCH OF VET SCI & MEDICINE, LAFAYETTE, IND. Carcinogenic activity of toxicogenic *Penicillium* (rodents, fungi).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1ES-00472-05 (PTHB) ALLEN, JAMES R, DEPARTMENT OF PATHOLOGY, 470 NORTH CHARTER, MADISON, WIS. Hepatocellular metabolism of chlorinated hydrocarbons (rats, monkeys).

PO1ES-00481-06 (SSS) GOYER, ROBERT A, UNIV OF NORTH CAROLINA, DEPARTMENT OF PATHOLOGY, CHAPEL HILL, N C. Subcellular pathology of heavy metals.

PO1ES-00481-03 0001 (SSS) GOYER, ROBERT A. Subcellular pathology of heavy metals-Intranuclear inclusion body (rats, goats).

PO1ES-00481-06 0002 (SSS) KRIGMAN, MARTIN R. Subcellular pathology of heavy metals-Effect of lead on growth and maturation of nervous system (rats).

PO1ES-00481-06 0003 (SSS) STOWE, HOWARD D. Subcellular pathology of heavy metals-Lead effects on testis (dogs).

PO1ES-00481-03 0004 (SSS) GOYER, ROBERT A. Subcellular pathology of heavy metals-Low dietary calcium and iron and susceptibility to lead poisoning (rats).

PO1ES-00481-03 0005 (SSS) GOYER, ROBERT A. Subcellular pathology of heavy metals-Effect of lead on renal mitochondria (rats).

PO1ES-00481-03 0006 (SSS) GOYER, ROBERT A. Subcellular pathology of heavy metals-Effects of bismuth, cadmium and arsenic (rabbits, rats).

PO1ES-00481-03 0007 (SSS) GOYER, ROBERT A. Subcellular pathology of heavy metals-Lead and cadmium toxicity in humans.

PO1ES-00481-06 0008 (SSS) GOYER, ROBERT A. Subcellular pathology of heavy metals-Effects of chelators on metal metabolism.

PO1ES-00481-03 0009 (SSS) KRIGMAN, MARTIN, R. Subcellular pathology of heavy metals-Methyl mercury intoxication (rats).

PO1ES-00481-06 0010 (SSS) KRIGMAN, MARTIN, R. Subcellular pathology of heavy metals-Morphometric study of lead intoxicated rat kidneys.

PO1ES-00481-03 0011 (SSS) STOWE, HOWARD D. Subcellular pathology of heavy metals-Partitioning of lead in the egg (chickens).

PO1ES-00481-03 0012 (SSS) STOWE, HOWARD D. Subcellular pathology of heavy metals-Effects of cadmium on testis (mice).

PO1ES-00481-03 0013 (SSS) MUSHAK, PAUL. Subcellular pathology of heavy metals-Gas chromatography for measurements of all forms of mercury by various reagents.

PO1ES-00481-03 0014 (SSS) MUSHAK, PAUL. Subcellular pathology of heavy metals-Simultaneous multi-trace heavy element analyses by spark source mass spectrometry.

PO1ES-00481-06 0015 (SSS) MUSHAK, PAUL. Subcellular pathology of heavy metals-X-ray fluorescence of heavy metal L and M x-rays.

PO1ES-00481-03 0016 (SSS) MUSHAK, PAUL. Subcellular pathology of heavy metals-Gas chromatography of very low levels of lead in biological materials.

PO1ES-00481-03 0017 (SSS) MUSHAK, PAUL. Subcellular pathology of heavy metals-In vivo effects of NTA and EDTA on chromium and lead levels in rat tissue.

PO1ES-00481-03 0018 (SSS) MUSHAK, PAUL. Subcellular pathology of heavy metals-Inorganic mercury and methyl mercury in renal tissue, blood and urine.

RO1ES-00490-05 (TOX) ALPIN-SLATER, ROSLYN B, UNIVERSITY OF CAL, SCH OF PUB HEALTH, LOS ANGELES, CAL. Dietary factors and aflatoxin toxicity (rat).

RO1ES-00503-05 (PTHB) SPEIZER, FRANK E, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Automobile exhaust and chronic respiratory disease (human).

RO1ES-00505-06 (GEN) TROLL, WALTER, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Correlation of carcinogenicity and mutagenicity (yeast, viruses, rodents, human).

RO1ES-00507-15 (TOX) COON, JULIUS M, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Toxicologic interactions of insecticides (rats, mice).

RO1ES-00537-04 (MBC) GIBSON, DAVID T, UNIVERSITY OF TEXAS, DEPARTMENT OF MICROBIOLOGY, AUSTIN, TEX. Enzymatic oxygen fixation into aromatic hydrocarbons (bacteria).

RO1ES-00541-04 (TOX) LEE, DONALD J, DEPT OF FOOD SCIENCE AND TECH, OREGON STATE UNIVERSITY, CORVALLIS, OREG. Metabolism and carcinogenicity of aflatoxins (rats, mice, trout).

RO1ES-00550-04 (TOX) SINNHUBER, RUSSELL O, OREGON STATE UNIVERSITY, DEPT OF FOOD SCI & TECHNOLOGY, CORVALLIS, OREG. Metabolism and cocarcinogenicity of cyclopropanes (trout, rats, mice).

RO1ES-00552-01 (SSS) PALMES, EDWARD D, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Mouse populations as test systems in toxicology.

RO1ES-00560-03 (TOX) GIBSON, JAMES E, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, EAST LANSING, MICH. Perinatal pesticide toxicity (mice, rats).

RO1ES-00569-09 (TOX) WILSON, BENJAMIN J, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Fungus toxins and moldy food diseases (rats).

RO1ES-00583-04 (PTHA) BRAIN, JOSEPH D, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Response of alveolar macrophages to inhaled particles (rabbits, guinea pigs).

RO1ES-00585-04 (TOX) JOYCE, BARBARA K, DEPARTMENT OF MICROBIOLOGY, COLORADO STATE UNIVERSITY, FORT COLLINS, COLO. Carcinogenic implications of aspergillotoxicosis (rats).

RO1ES-00592-03 (EXP) CAIN, WILLIAM S, JOHN B PIERCE FDN LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Odor psychophysics-Intensity, adaptation and masking (human).

PO1ES-00597-04 (SSS) WOGAN, GERALD M, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Food-borne environmental toxicants.

PO1ES-00597-04 0001 (SSS) TANNENBAUM, STEVEN, R. Food-borne environmental toxicants-Nitrosation reaction products (yeast).

PO1ES-00597-04 0003 (SSS) KARL, MARCUS. Food-borne environmental toxicants-Peroxide initiated reactions (rats).

PO1ES-00597-04 0005 (SSS) SHANK, RONALD C. Food-borne environmental toxicants-In-vivo alkylation of environmental agents (rats).

PO1ES-00597-04 0006 (SSS) MILLER, SANFORD A. Food-borne environmental toxicants-Extrahepatic induction of microsomal enzymes by BHT in the neonate rat.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1ES-00597-04 0008 (SSS) SINSKEY, ANTHONY J. Food-borne environmental toxicants-Evaluation of environmental compounds (salmonella).

PO1ES-00597-04 0009 (SSS) THILLY, WILLIAM O. Food-borne environmental toxicants-Bioassay of toxic mutagenic and carcinogenic actions of chemicals.

PO1ES-00597-04 0010 (SSS) KIMBEL, C. Food-borne environmental toxicants-In vitro biological responses.

PO1ES-00597-04 0011 (SSS) BUSBY, W. Food-borne environmental toxicants-Aminoacylation and methylation of tRNA in chemical carcinogenesis (rats).

PO1ES-00597-04 0012 (SSS) NEWBERNE, PAUL M. Food-borne environmental toxicants-Influence of diet and environmental factors on responses to chemical agents (rat).

RO1ES-00603-03 (TOX) BENSON, ANDREW A, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Metabolic consequences of pesticide levels (algae, crustaceans, vertebrates).

RO1ES-00603-04 (TOX) CHICHESTER, CLINTON O, U OF RHODE ISLAND, DEPT OF FOOD AND RESOURCE CHEM, KINGSTON, R. I. A series of essays in toxicology.

RO1ES-00612-04 (TOX) HSIEH, DENNIS P, DEPT OF ENVIRONMENTAL TOXICOLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Biogenesis of the aflatoxins (*Aspergillus*, bacteria, mammals).

RO1ES-00613-03 (TOX) GUNNISON, ALBERT F, NEW YORK UNIVERSITY, 550 FIRST AVENUE, ROOM 559, NEW YORK, N. Y. Distribution and fate of inhaled sulfur dioxide (mammals).

RO1ES-00619-03 (TOX) DETTARN, WOLF-D, VANDERBILT UNIV SCHOOL OF MED, DEPT OF PHARMACOLOGY, NASHVILLE, TENN. Mechanism of tolerance to organophosphorus insecticides (rats).

RO1ES-00620-03 (TOX) JOY, ROBERT M, UNIVERSITY OF CALIFORNIA, SCHOOL OF VETERINARY MEDICINE, DAVIS, CALIF. Pesticide induced changes in central nervous function (cats).

PO1ES-00628-04 (SSS) DUNGWORTH, DONALD L, UNIVERSITY OF CALIFORNIA, DEPT OF VETERINARY PATHOLOGY, DAVIS, CALIF. Pulmonary effects of environmental oxidant pollutants.

PO1ES-00628-04 0001 (SSS) GOLDSTEIN, ELLIOT. Pulmonary effects of environmental oxidant pollutants-Oxidant pollutants and susceptibility to bacterial infections (rodents, monkeys).

PO1ES-00628-04 0002 (SSS) ZEE, Y C. Pulmonary effects of environmental oxidant pollutants-Oxidant pollutants and susceptibility to viral infections (mice).

PO1ES-00628-04 0003 (SSS) TYLER, WALTER S. Pulmonary effects of environmental oxidant pollutants-Morphology of lungs exposed to oxidant pollutants (rats, monkeys).

PO1ES-00628-04 0004 (SSS) GILLESPIE, JERRY R. Pulmonary effects of environmental oxidant pollutants-Physiology of lungs exposed to oxidant pollutants (rats, monkeys).

RO1ES-00634-03 (TOX) NOODEN, LARRY D, UNIVERSITY OF MICHIGAN, BOTANY DEPARTMENT, ANN ARBOR, MICH. Biochemistry of arsenate (plants).

RO1ES-00638-04 (TOX) GREENE, FRANK E, PENNSYLVANIA STATE UNIVERSITY, MILTON S HERSHEY MEDICAL CTR, HERSHEY, PA. Metabolism and toxicity of cyclodiene insecticides (bacteria, dogs, rodents).

RO1ES-00640-01 (TOX) BROWN, HARRY D, CANCER RESEARCH CENTER, BUSINESS LOOM 70 & GARTH AVE, COLUMBIA, MO. Aflatoxin metabolism by human liver.

RO1ES-00645-03 (MET) PRIVETT, ORVILLE S, HORMEL INSTITUTE, 801 16TH AVENUE N E, AUSTIN, MINN. Toxicant action of ozone in mammalian tissues (rats).

RO1ES-00649-03 (NEUB) MANALIS, RICHARD S, UNIVERSITY OF CINCINNATI, EDEN AND BETHESDA AVENUES, CINCINNATI, OHIO. Lead and mercury ions and chemical synapse (frogs).

RO1ES-00650-02 (TMP) BADE, MARIA L, BOSTON COLLEGE, DEPARTMENT OF BIOLOGY, CHESTNUT HILL, MASS. Biochemistry of insect cuticle.

RO1ES-00654-01 (TOX) FANG, SHENG C, DEPT OF AGRICULTURAL CHEMISTRY, OREGON STATE UNIVERSITY, CORVALLIS, OREG. Photoaction and herbicide metabolism.

RO1ES-00656-01 (TOX) CHU, FUN S, UNIVERSITY OF WISCONSIN, FOOD RESEARCH INSTITUTE, MADISON, WIS. Interaction of mycotoxins with macromolecules (mammals, bacteria).

RO1ES-00664-03 (TOX) KRALL, ALBERT R, MED UNIV OF SOUTH CAROLINA, DEPARTMENT OF BIOCHEMISTRY, CHARLESTON, S C. Biochemistry of lead toxicity and its reversal (rats, dogs).

RO1ES-00673-03 (TOX) GOLDSTEIN, BERNARD D, NEW YORK UNIVERSITY SCH OF MED, 550 FIRST AVENUE, NEW YORK, N. Y. Biochemical effects of ambient oxidant air pollution (human, rats, mice).

RO1ES-00674-01 (TOX) HAYES, A WALLACE, DEPARTMENT OF MICROBIOLOGY, P O BOX H, UNIVERSITY, ALA. Carcinogenicity of environmental mycotoxins (rats).

RO1ES-00675-01 (GEN) HARSANYI, ZSOLT P, DEPARTMENT OF MICROBIOLOGY, CORNELL UNIV MEDICAL COLLEGE, NEW YORK, N. Y. Drug and chemically induced chromosomal aberrations (*Aspergillus*).

RO1ES-00677-03 (HED) MOTTET, N KARLE, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PATHOLOGY, SEATTLE, WASH. Methyl mercury teratogenesis (mice, monkeys).

RO1ES-00678-08 (MBC) DAGLEY, STANLEY, UNIVERSITY OF MINNESOTA, 140 GORTNER LABORATORY, ST PAUL, MINN. Enzymatic degradation of aromatic compounds (bacteria).

RO1ES-00690-01 (PTHA) SPITZER, ADRIAN, ROSE F KENNEDY CENTER, 1410 PELHAM PARKWAY SOUTH, BRONX, N. Y. Lead poisoning and kidney function (rats, children).

RO1ES-00697-03 (HED) PERA, VERGIL H, DARTMOUTH MEDICAL SCHOOL, HANOVER, N. H. Teratogenic effects of heavy metals (hamsters, mice).

RO1ES-00699-15 (TOX) SCHROEDER, HENRY A, TRACE ELEMENT LABORATORY, 9 BELMONT AVENUE, BRATTLEBORO, VT. Abnormal trace metals in disease (mice, rats).

RO1ES-00700-01 (TOX) FRAENKEL-CONRAT, HEINZ L, VIRUS LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Mechanism of the neurotoxicity of venoms (mice).

RO1ES-00701-01 (TOX) FRIEDMAN, MARVIN A, DEPT OF PHARMACOLOGY, MEDICAL COLLEGE OF VIRGINIA, RICHMOND, VA. Effects of piperonyl butoxide on chemical carcinogenesis (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1ES-00706-03 (CMS) WILPIZESKI, CHESTER R, THOMAS JEFFERSON UNIVERSITY, 1025 WALNUT STREET, PHILADELPHIA, PA. Cytotoxicity of lead and mercury.

RO1ES-00709-03 (PTMB) WILLS, J HENRY, ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N. Y. Chronic and multi-generation of cadmium (rats, monkeys).

RO1ES-00710-03 (TOX) BRADY, ULLAMAN E, JR, UNIVERSITY OF GEORGIA, DEPT OF ENTOMOLOGY, ATHENS, GA. Biogenic amines in intoxicated mammals and insects (mice, flies, cockroaches).

RO1ES-00712-02 (TOX) LYND, J Q, OKLAHOMA STATE UNIVERSITY, AGRONOMY DEPARTMENT, STILLWATER, OKLA. Antibiotic mucor oncology of mycotic hepatomagenesis (ducks).

RO1ES-00713-03 (TOX) FRIEDMAN, MARVIN A, MED COLL OF VIRGINIA, DEPT OF PHARM, RICHMOND, VA. Nitroso sarcosine, an environmental hazard (mice).

RO1ES-00723-03 (TOX) BUCK, WILLIAM B, IOWA STATE UNIVERSITY, COLLEGE OF VET MED, AMES, IOWA. Physiopathologic effects of lead (swine, mice, hamsters, microorganisms).

RO1ES-00726-01 (CBY) ARDITI, JOSEPH, UNIVERSITY OF CALIFORNIA, SCHOOL OF BIOLOGICAL SCIENCES, IRVINE, CALIF. Biological effects of surfactants (plants, algae, Hydra, human, mice).

PO1ES-00734-03 (SSS) HARTROFT, PHYLLIS M, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Environmental quality-Effects on disease processes.

PO1ES-00735-01 (SSS) KILGORE, WENDELL W, FOOD PROTECTION & TOXICOLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Public health hazards and environmental fate of parathion.

PO1ES-00735-01 0001 (SSS) LI, M Y. Public health hazards and environmental fate of parathion-Occupational hazards (agriculture).

PO1ES-00735-01 0002 (SSS) WINTERLIN, W. Public health hazards and environmental fate of parathion-Penetration, uptake and degradation products (fruits, vegetables).

PO1ES-00735-01 0003 (SSS) AKESSON, N. Public health hazards and environmental fate of parathion-Deposit and drift (air, soil, plants, insects, human).

PO1ES-00735-01 0006 (SSS) BROWNSON, R H. Public health hazards and environmental fate of parathion-Parathion induced enzymic changes in rat brain.

PO1ES-00735-01 0008 (SSS) HSIEH, D P H. Public health hazards and environmental fate of parathion-Decontamination of parathion spills and wastes (biophysical and microbial agents).

RO1ES-00741-02 (PTMB) BANG, FREDERIK B, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Interaction of SO₂ and virus on respiratory mucosa (chickens).

RO1ES-00743-03 (TOX) VAN DYKE, RUSSELL A, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Mechanisms of enzymatic dechlorination (rats, human).

RO1ES-00752-03 (EDC) NICHOLSON, WILLIAM J, MOUNT SINAI SCH OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N. Y. Asbestos air pollution-Extent, persistence, effects (human).

RO1ES-00754-01 (ALY) SCHWARTZ, SORELL L, DEPARTMENT OF PHARMACOLOGY, GEORGETOWN UNIVERSITY, WASHINGTON, D C. Toxicity of inert particles to alveolar macrophages (mice, rabbits).

RO1ES-00760-01 (HED) SPARBER, SHELDON B, DEPARTMENT OF PHARMACOLOGY, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN. Lasting effects of prenatal low dose methylmercury (rats, chickens).

RO1ES-00761-03 (MCHB) BACH, ROBERT D, WAYNE STATE UNIVERSITY, DEPT OF CHEMISTRY, DETROIT, MICH. Chemical behavior of organomercury compounds.

RO1ES-00769-09 (TOX) ARONSON, ARTHUR L, CORNELL UNIVERSITY, 123 DAY HALL, ITHACA, N. Y. Toxicity studies with a chelating agent (rats).

RO1ES-00775-01 (TOX) CLASEN, RAYMOND A, RUSH-PRESBY-ST LUKE'S MED CTR, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Experimental lead encephalopathy (rats, monkeys).

RO1ES-00777-03 (TOX) COUSINS, ROBERT J, BARTLETT HALL - LIPMAN DRIVE, RUTGERS UNIVERSITY, NEW BRUNSWICK, N. J. Metabolism and biochemical actions of cadmium (rats, chickens).

RO1ES-00782-03 (TOX) HARRISON, RAYMOND D, VANDERBILT UNIV SCHOOL OF MED, 21ST AVENUE SOUTH, NASHVILLE, TENN. Pesticide-induced change during the perinatal period (mice, rats).

RO1ES-00788-01 (MCHB) LAAMBERT, JACK L, DEPARTMENT OF CHEMISTRY, KANSAS STATE UNIVERSITY, MANHATTAN, KANS. Analysis of carbon monoxide in blood.

RO1ES-00790-02 (TOX) CHVAPIL, MILOS, UNIVERSITY OF ARIZONA, DEPT OF SURGERY, TUCSON, ARIZ. Protection by zinc against toxic metals and gases (rats, mice).

RO1ES-00797-01 (TOX) LANGER, ARTHUR M, MT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVENUE, NEW YORK, N. Y. Inorganic particles in cigarettes and cigarette smoke.

RO1ES-00798-03 (TOX) MENZEL, DANIEL B, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N. C. Can vitamin E or lipid alter NO-2 or O-3 toxicity in lung (mice).

RO1ES-00801-01 (TOX) HSIEH, DENNIS P, FOOD PROTECTION & TOX CENTER, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Metabolism of aflatoxin B1 (Rhesus monkeys, human, ducks, chick embryo).

RO1ES-00802-03 (TOX) BRYAN, SARA E, LOUISIANA STATE UNIVERSITY, LAKEFRONT, NEW ORLEANS, LA. Induction of metallothionein by cadmium, copper, and mercury (mice).

RO1ES-00803-03 (CBY) CHIN, B, UNIVERSITY OF MICHIGAN, 1608 SCHOOL OF PUBLIC HEALTH, ANN ARBOR, MICH. Cellular response to environmental stress (slime molds).

RO1ES-00804-03 (MBC) REINER, ALBEY M, UNIVERSITY OF MASSACHUSETTS, DEPT OF MICROBIOLOGY, AMHERST, MASS. Metabolism of heavy metal cations (bacteria).

RO1ES-00807-01 (TOX) SHRIFT, ALEX, DEPARTMENT OF BIOLOGY, SUNY BINGHAMTON, BINGHAMTON, N. Y. Selenium toxicity-Role of methionyl-tRNA synthetases (plants).

RO1ES-00808-03 (TOX) KHAN, M A, UNIVERSITY OF ILLINOIS, BOX 4348, CHICAGO, ILL. Effects and metabolism of photoisomers of cyclodienes (animals).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1ES-00814-05 (TOX) MILLER, THOMAS A, UNIVERSITY OF CALIFORNIA, ENTOMOLOGY DEPARTMENT, RIVERSIDE, CALIF. Mode of action of insecticides (American cockroach, flies).
- RO1ES-00819-01 (MED) GIBBERT, RONALD J, UNIVERSITY HOSPITAL, SL-10, DEPT OF OBSTET & GYNECOLOGY, SEATTLE, WASH 98195. Perinatal manipulation of neuroendocrine development (women, rats).
- RO1ES-00820-02 (MED) REYNOLDS, WYNETKA A, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. Toxicity of organic mercury for the fetus and newborn (human, monkeys).
- RO1ES-00826-02 (TOX) KIRK, BILLY E, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, MORGANTOWN, W VA. Function of lead in tumorigenesis (mice, rats).
- RO1ES-00827-02 (TOX) AMDUR, MARY O, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVE, BOSTON, MASS. Factors affecting irritant potency of gases and aerosols (guinea pigs).
- RO1ES-00631-01 (TOX) COLBERT, CHARLES, WRIGHT STATE UNIVERSITY, COLONEL GLENN HIGHWAY, DAYTON, OHIO. Rapid screening for lead poisoning (human).
- RO1ES-00033-02 (TOX) OKITA, GEORGE T, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Biochemical studies on CNS teratogenesis by mercury (rats).
- RO1ES-00834-01 (TOX) KUPFER, DAVID, WORCESTER FDN FOR EXPER BIOL, 222 MAPLE AVENUE, SHREWSBURY, MASS. Effects of chlorinated hydrocarbons on mammals.
- RO1ES-00836-02 (TOX) WOLCOTT, R MICHAEL, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA. Effects on the immune system of cadmium toxicity (mice, rabbits).
- RO1ES-00038-02 (MBC) MEISNER, HERMAN M, DUQUESNE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, PITTSBURGH, PA. Purification and properties of ochratoxin A.
- RO1ES-00639-01 (TOX) ACTON, JEAN D, WAKE FOREST UNIVERSITY, BOWMAN GRAY SCHOOL OF MED, WINSTON-SALEM, N C. Nitrogen dioxide induced alterations in lung macrophage function.
- RO1ES-00640-01 (TOX) YARBROUGH, JAMES D, MISSISSIPPI STATE UNIVERSITY, P O DRAWER 7, STATE COLLEGE, MISS. Cellular studies of vertebrate insecticide resistance (mosquitofish).
- RO1ES-00041-01 (TOX) DOST, FRANK N, OREGON STATE UNIVERSITY, ENVIRONMENTAL HLTH SCIS CTR, CORVALLIS, OREG. Steady-state intoxication by simple hydrazines (rats).
- PO1ES-00042-02 (SSS) FREEMAN, GUSTAVE, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Chronic obstructive lung disease.
- PO1ES-00042-02 0001 (SSS) FREEMAN, GUSTAVE. Chronic obstructive lung disease-Ozone and nitrogen dioxide in experimental cold (rats).
- PO1ES-00042-02 0002 (SSS) STEPHENS, ROBERT J. Chronic obstructive lung disease-Ultrastructure and cytochemistry of nitrogen dioxide and ozone exposed rat lungs.
- PO1ES-00042-02 0003 (SSS) EVANS, MICHAEL J. Chronic obstructive lung disease-Pulmonary alveolar cell turnover (rats).
- PO1ES-00042-02 0005 (SSS) LUNAN, KENNETH. Chronic obstructive lung disease-Vitamins E and A in pathogenesis of nitrogen dioxide induced lung disease (rats).
- RO1ES-00843-03 (TOX) KOPITO, LOUIS, CHILDRENS HOSP MED CENTER, 300 LONGWOOD AVENUE, BOSTON, MASS. Diagnosis and therapy of chronic childhood plumbism.
- RO1ES-00049-02 (SSS) DRINKWATER, BARBARA L, UNIVERSITY OF CALIFORNIA, INST OF ENVIRONMENTAL STRESS, SANTA BARBARA, CALIF. Physiological adaptation of women to heat stress.
- RO1ES-00851-02 (TOX) MESESON, MATTHEW S, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Detection of dioxin (human, fish, birds).
- RO1ES-00852-01 (SOH) GONICK, HARVEY C, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICINE, LOS ANGELES, CALIF. Environmental trace metal intoxications of the kidney (rats).
- RO1ES-00054-03 (TOX) BLANQUET, RICHARD S, GEORGETOWN UNIVERSITY, 37TH & O ST, N W, WASHINGTON, D C. Chemical nature and mode of action of Cnidarian toxins (rats, guinea pigs).
- RO1ES-00855-01 (PTHA) HUTCHENS, JOHN O, UNIVERSITY OF CHICAGO, 951 EAST 58TH STREET, CHICAGO, ILL. Retention of aerosols in laboratory animals (rats, mice).
- RO1ES-00858-01 (TOX) TOOM, PAUL M, UNIV OF SOUTHERN MISSISSIPPI, DEPT OF CHEMISTRY, HATTIESBURG, MISS. Comprehensive study of toxin from a modal jellyfish.
- RO1ES-00863-01 (TOX) KIRKPATRICK, ROY L, VIRGINIA POLYTECHNIC INSTITUTE, DIV OF FORESTRY & WILDLIFE, BLACKSBURG, VA. Interactions of PCB's, density, and nutrition (mice, rabbits).
- RO1ES-00868-02 (EDC) FRRRIS, BENJAMIN G, JR, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Effect low level air pollutants on human health.
- RO1ES-00872-01 (TOX) ALARIE, YVES C, GRADUATE SCH OF PUBLIC HEALTH, 130 DE SOTO STREET, PITTSBURGH, PA. Respiratory tract irritants-Densitization (rabbits, rodents).
- RO1ES-00880-02 (EXP) BAETOSHUK, LINDA M, JOHN B PIERCE FOUNDATION LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Taste of water-Effects of solutes and adaptation (human, rats).
- RO1ES-00881-02 (PTHA) LIPPMANN, MORTON, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Regional deposition of inhaled particles in man (and donkeys).
- RO1ES-00883-01 (TOX) BROWN, DAVID R, UNIVERSITY OF MARYLAND, 636 WEST LOMBARD STREET, BALTIMORE, MD. Effect of lead in the developing neonatal brain (rats).
- RO1ES-00885-01 (TOX) WEBB, GEORGE D, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Effect of insecticides on cation transport and ATPase (human, animals).
- RO1ES-00887-02 (TOX) BUHLER, DONALD R, OREGON STATE UNIVERSITY, DEPT OF AGRICULTURAL CHEMISTRY, CORVALLIS, OREG. Methyl mercury detoxification in marine mammals (sea lions).
- RO1ES-00888-01 (TOX) LOURLA, DONALD B, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N Y. Influence of trace metals on experimental infections (mice, human).
- RO1ES-00394-01 (MCHB) RIEGER, PHILIP H, BROWN UNIVERSITY, DEPARTMENT OF CHEMISTRY, PROVIDENCE, R I. Aqueous solution studies of arsenates and vanadates.
- RO1ES-00895-01 (MCHB) HODGSON, DEREK J, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF CHEMISTRY, CHAPEL HILL, N C. Structural studies in treatment of metal poisoning.
- RO1ES-00900-02 (NEUB) NKLOWITZ, WERNER J, UNIVERSITY OF CINCINNATI, EDEN AND BETHESDA AVES, CINCINNATI, OHIO. Effect of toxic metals on specific brain structures (rabbits).
- RO1ES-00901-14 (TOX) O'BRIEN, RICHARD D, CORNELL UNIVERSITY, LANGMUIR LABORATORY, ITHACA, N Y. Mechanisms of insecticide selectivity (housefly, electric fish).
- RO1ES-00902-02 (TOX) FELDMAN, ROBERT G, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Diagnosis and therapy of chronic childhood plumbism.
- RO1ES-00910-01 (TOX) GIBSON, JAMES E, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, EAST LANSING, MICH. Pesticide behavioral teratology (mice).
- RO1ES-00900-02 (TOX) KINTNER, WILLIAM B, MOUNT DESERT ISLAND BIO LAB, SALISBURY COVE, MAINE. DOT inhibition of avian shell and salt gland enzymes (ducks, marine birds).
- RO1ES-00921-02 (TOX) MIYA, TOM S, PURDUE UNIVERSITY, DEPT, PHARM-TOX, LAFAYETTE, IND. Cadmium-induced prolongation of drug action (rats).
- RO1ES-00926-01 (TOX) WEI, EDDIE T, UNIVERSITY OF CALIFORNIA, 106 EARL WARREN HALL, BERKELEY, CALIF. Toxicology of paraquat (rats).
- PI0ES-00928-01 (SSS) SELKOFF, IRVING J, MOUNT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE & 100TH STREET, NEW YORK, NY. Environmental agents-Relation to human health effects.
- PI0ES-00928-01 0001 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Silicate dusts and concurrent smoking.
- PI0ES-00928-01 0002 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Organic dusts among furriers and concurrent smoking.
- PI0ES-00928-01 0003 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Silica exposure with alkalis and acids-Abrasive soap pneumoconiosis (human).
- PI0ES-00928-01 0004 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Less common cancers in asbestos workers-Multiple factor etiology.
- PI0ES-00928-01 0005 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Benzopyrene exposure, sunlight and skin cancer (human).
- PI0ES-00928-01 0006 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Exposure to titanium dioxide-Cancer risk in humans.
- PI0ES-00928-01 0007 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Cancer risk due to occupational exposure to carbon black.
- PI0ES-00928-01 0008 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Inorganic microparticles and colon cancer (human).
- PI0ES-00928-01 0009 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Benzopyrene metabolism in man.
- PI0ES-00928-01 0010 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Surface interactions between Gross leukemia virus and asbestos.
- PI0ES-00928-01 0011 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Carcinogenicity of isoniazid (human).
- PI0ES-00928-01 0012 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Low-level, intermittent occupational exposure to talc dust.
- PI0ES-00928-01 0013 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Secular changes in lung dust burden, 1912-72 (human).
- PI0ES-00928-01 0014 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Epoxy exposure among painters.
- PI0ES-00928-01 0015 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Low level exposure to polychlorinated biphenyls (human).
- PI0ES-00928-01 0016 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Diethyl stilbestrol exposure in males (human).
- PI0ES-00928-01 0017 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Detection of new biologically active agents in the environment (human).
- PI0ES-00928-01 0018 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Environmental factors in ghetto asthma.
- PI0ES-00928-01 0019 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Lung burden of talc among urban dwellers (human).
- PI0ES-00928-01 0020 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Secular changes in lung burden of trace metals, 1912-72 (human).
- PI0ES-00928-01 0021 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Carbon disulfide-Relation to coronary disease and atherosclerosis (human).
- PI0ES-00928-01 0022 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Low-level trace metal and carcinogenic hazard in humans.
- PI0ES-00928-01 0023 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Asbestos lung burden in environmental mesothelioma (human).
- PI0ES-00928-01 0024 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Asbestos from new or previously unrecognized sources.
- PI0ES-00928-01 0025 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Asbestos levels in tales for consumer use.
- PI0ES-00928-01 0026 (SSS) SELKOFF, IRVING J. Environmental agents-Relation to human health effects-Mesothelioma in U.S. shipyards.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- P10ES-00928-01 0027 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Mesothelioma in New Jersey, 1973-1975 (human).
- P10ES-00928-01 0028 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Microparticle lung burden in emphysema and bronchitis (human).
- P10ES-00928-01 0029 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Inorganic microparticles in lungs of smokers and non-smokers.
- P10ES-00928-01 0030 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Source of ultramicroscopic inorganic particles in ambient air pollution.
- P10ES-00928-01 0031 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Inorganic microparticles in brain tissue (human).
- P10ES-00928-01 0032 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Inorganic microparticles in drugs.
- P10ES-00928-01 0033 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Detection levels of asbestos in talcs.
- P10ES-00928-01 0034 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Cigarette filter capture of ultramicroscopic inorganic particles.
- P10ES-00928-01 0035 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Ultramicroscopic particulate content of urban air in U.S.
- P10ES-00928-01 0036 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Inorganic microparticle content of human tissues.
- P10ES-00928-01 0037 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Neutralization of inorganic microparticles in vivo (microorganisms, mammals).
- P10ES-00928-01 0038 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Bakers' asthma-Extrinsic allergic alveolitis.
- P10ES-00928-01 0039 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Pulmonary disease associated with welding fumes (human).
- P10ES-00928-01 0040 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Exposure to industrial chemicals (human).
- P10ES-00928-01 0041 (SSS) SELIKOFF, IRVING J. Environmental agents-Relation to human health effects-Pulmonary disease contributing to death of other causes (human).
- R01ES-00929-01 (BBCA) BYRN, STEPHEN R, PURDUE UNIVERSITY, SCHOOL OF PHARMACY, WEST LAFAYETTE, IND. Structural studies of physiologically active agents.
- R01ES-00937-01 (BBCB) SABLJTEK, PAVEL, PORTLAND STATE UNIVERSITY, DEPT OF PHYSICS, BOX 751, PORTLAND, OREG. Pesticides and transport across bilayer lipid membranes.
- R01ES-00929-01 (TOX) ANGLE, CAROL R, UNIVERSITY OF NEBRASKA, 42ND & DEWEY AVENUE, OMAHA, NEBR. Blood lead in children-Effect of anemia, hemoglobin S, G-6-PD.
- R01ES-00944-01 (MCHB) SMITH, LBLAND L, UNIVERSITY OF TEXAS, GALVESTON, TEX. Air pollutant-lipid membrane interactions.
- R01ES-00963-01 (TOX) SCHUBERT, JACK, UNIVERSITY OF PITTSBURGH, GRADUATE SCHOOL OF PUB HLTH, PITTSBURGH, PA. Toxic metal synergism and mixed chelate therapy (mice).
- R01ES-00965-01 (TOX) POLAND, ALAN P, UNIVERSITY OF ROCHESTER, SCH OF MEDICINE & DENTISTRY, ROCHESTER, N. Y. Pharmacology toxicology of chlorinated dibenzo-p-dioxins (mice).
- R01ES-00969-01 (SOM) HAMERNIK, ROGER P, S U N Y - UPSTATE MED CTR, 750 E ADAMS STREET, SYRACUSE, N. Y. Combined impulse continuous noise-Auditory effect (chinchillas).
- R01ES-00973-01 (BIO) AULES, CHARLES D, UNIVERSITY OF MISSOURI, BIOLOGY DIVISION-TUCKER HALL, COLUMBIA, MO. Inhibition of photosynthesis by environmental trace metals (plants).
- R01ES-00974-01 (PHRA) PRITCHARD, JOHN B, UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Renal handling of DDA and its implications (founder).
- R01ES-00976-01 (TOX) PIOMELLI, SERGIO, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Screening of urban children for lead poisoning.
- R01ES-00986-01 (MBC) RIBBONS, DOUGLAS W, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Biodegradation of the phthalates by bacteria.
- R01ES-00994-01 (MBC) TAYLOR, BARRIE F, UNIVERSITY OF MIAMI, 10 RICKENBACHER CAUSEWAY, MIAMI, FLA. Biodegradation of phthalic acids and esters.
- R01ES-00997-01 (BBCB) NATUSCH, DAVID F, UNIVERSITY OF ILLINOIS, DEPARTMENT OF CHEMISTRY, URBANA, ILL. Interactions of toxic metal species with biomolecules (human, ungulates, E coli).
- R01ES-01009-02 (GEN) KLEINHOF, ANDRIS, WASHINGTON STATE UNIVERSITY, DEPT OF AGRONOMY & SOILS, PULLMAN, WASH. Mechanism of azide mutagenesis (bacteria, yeast).
- R01ES-01017-01 (NTN) BURK, RAYMOND F, JR, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Nutritional significance of selenium-2 selenoproteins (rats).
- R01ES-01024-01 (TOX) BERNSTEIN, ISADORE A, UNIVERSITY OF MICHIGAN, 1620 SCHOOL OF PUBLIC HEALTH, ANN ARBOR, MICH. Chloramphenicol effects on carbon tetrachloride induced liver damage (rats).
- R01ES-01027-01 (GEN) SOBELS, FREDERIK H, DEPT-RAD GEN-CHEM MUTAGENESIS, TRANSITORIUM VOOR GENEESKUNDE, WASSENAARSEWEG 62, NETHERLANDS. Induction of genetic damage by chemical mutagens (*Drosophila*).
- R01ES-01028-02 (TOX) SOUTHERN, PAUL M, JR, SOUTHWESTERN MEDICAL SCHOOL, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Role of air pollutants in airborne infection (rats, bacteria).
- R01ES-01033-03 (BIO) SHAPIRO, ROBERT, NEW YORK UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW YORK, N. Y. Damage to nucleic acids by bisulfite-Sulfur dioxide (*E. coli*, rats, rabbits).
- R01ES-01041-01 (GMA) HARBBER, LEONARD C, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N. Y. Photosensitivity.
- R01ES-01041-01 0001 (GMA) HARBBER, LEONARD C. Photosensitivity-New agents causing photosensitivity reactions in man.
- R01ES-01041-01 0005 (GMA) HARBBER, LEONARD C. Photosensitivity-Phototoxic cell membrane damage (human, mice).
- R01ES-01041-01 0007 (GMA) HARBBER, LEONARD C. Photosensitivity-Systemic photoprotective agents (mice).
- R01ES-01041-01 0009 (GMA) HARBBER, LEONARD C. Photosensitivity-Contact photoallergy and temperature and humidity (mice).
- R01ES-01041-01 0012 (GMA) HARBBER, LEONARD C. Photosensitivity-Induction of contact photosensitivity to hazogenated salicylanilides (guinea pig).
- R01ES-01047-01 (TOX) TORNABENE, THOMAS G, DEPARTMENT OF MICROBIOLOGY, COLORADO STATE UNIVERSITY, FORT COLLINS, COLO. Effects of lead on prokaryotic and eucaryotic cells (bacteria, rabbits).
- R01ES-01049-01 (CVA) BOATMAN, EDWIN S, UNIVERSITY OF WASHINGTON, DEPT OF ENVIRON HLTH SC-34, SEATTLE, WASH. Effect of ozone on lung growth and development (rabbits).
- R01ES-01055-01 (TOX) KAPPAS, ATTALLAH, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N. Y. Lead and PCBs-Pharmacologic and toxicologic studies (human, mammals, birds).
- R01ES-01056-01 (MCHB) STUART, JAMES D, UNIV OF CONNECTICUT, DEPARTMENT OF CHEMISTRY, STORRS, CONN. Hydroxychlorobiphenyls-Degradation products by PCB'S.
- R01ES-01057-01 (TOX) CSALLANY, AGNES S, UNIVERSITY OF MINNESOTA, DEPT OF FOOD SCIENCE & NUTRIT, ST PAUL, MINN. Ozone and nitrogen dioxide toxicity in normal and antioxidant fed rats and mice.
- R01ES-01059-01 (NSS) CLARKSON, THOMAS W, UNIVERSITY OF ROCHESTER, SCHOOL OF MEDICINE, ROCHESTER, N. Y. Metallic mercury vapor as an environmental hazard.
- R01ES-01059-01 0001 (NSS) CLARKSON, THOMAS W. Metallic mercury vapor as an environmental hazard-Physical states of airborne mercury (animals).
- R01ES-01059-01 0002 (NSS) CLARKSON, THOMAS W. Metallic mercury vapor as an environmental hazard-Pharmacokinetics of inhaled mercury vapor (human, animals).
- R01ES-01059-01 0003 (NSS) CLARKSON, THOMAS W. Metallic mercury vapor as an environmental hazard-Biological effects of mercury vapor (human, mice).
- R13ES-01071-01 (NSS) LEE, KYU T, DEPARTMENT OF PATHOLOGY, ALBANY MEDICAL COLLEGE, ALBANY, N. Y. Conference of toxicity of environmental chemicals.
- R01ES-01077-09 (EXP) MICHAELSON, I ARTHUR, UNIVERSITY OF CINCINNATI, COLLEGE OF MEDICINE, CINCINNATI, OHIO. Synthesis and localization of biogenic amines in brain (rats).
- R01ES-01079-01 (PTMA) STEPHENS, ROBERT J, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Response of fetal and postnatal lungs to O3 and NO2 (rats).
- R01ES-01108-01 (SSS) FERRIS, BENJAMIN G, JR, 665 HUNTINGTON AVENUE, BOSTON, MASS. Effects of SO2 and respirable particulates on health.
- NO1ES-02288-04 (***) SUTTON, H ELDON, AUSTIN, TEXAS. Detection of human somatic mutations.
- NO1ES-22043-05 (***) WILDUNG, RAYMOND E, RICHLAND, WASHINGTON. Fate of heavy metals and heavy metal complexes in soils and plants.
- NO1ES-22084-06 (***) LEE, C C, KANSAS CITY, MISSOURI. Long range toxicologic effect of specific fungicides (rats, mice).
- NO1ES-22090-03 (***) SMITH, I C, KANSAS CITY, MISSOURI. Appraisal of environmental exposure to heavy metals.
- NO1ES-22093-07 (***) HARRISON, STANLEY L, EVANSTON, ILLINOIS. Early detection of environmental agents that induce children's diseases.
- NO1ES-22110-06 (***) HAWKINS, JOSEPH E, JR, ANN ARBOR, MICHIGAN. Noise and ototoxic drugs on hearing loss (guinea pigs).
- NO1ES-32102-03 (***) SCHWETZ, BERNARD A, MIDLAND, MICHIGAN. Effects of environmental components on reproduction and ontogenesis (mammals).
- NO1ES-32113-04 (***) GAVIN, JOHN J, ELKHART, INDIANA. Genetic tests to characterize specific locus mutants in *Neurospora*.
- NO1ES-42149-00 (***) CARTER, ROBERT E, MINNEAPOLIS, MINNESOTA. Biologic specimens exposed to orally ingested asbestos fibers.
- NO1ES-42151-00 (***) NUTE, PETER E, SEATTLE, WASHINGTON. Detection of point mutations in human somatic cells (human).
- NO1ES-42154-00 (***) BOLLINGER, JAMES N, SAN ANTONIO, TEXAS. The interaction of specific air pollutants with lung lipids.
- NO1ES-42156-00 (***) RODFRICK, THOMAS H, BAR HARBOR, MAINE. Development of a system for detecting lethal mutations in mice.
- NO1ES-42159-00 (***) RODERICK, THOMAS H, BAR HARBOR, MAINE. Development of a new mouse strain maximize sensitivity of a point mutation assay.
- NO1ES-42161-00 (***) MINOR, JAN J, KANSAS CITY, MISSOURI. Teratology of thioxanthone derivatives (mice).
- NO1ES-42164-00 (***) CAVENDER, F L, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Exposure to airborne environmental agents (rats, rabbits, hamsters).
- R01EY-00002-23 (VISA) GRANT, W MORTON, 243 CHARLES STREET, BOSTON, MASS, BOSTON, MASS. Pressure-regulating mechanisms in glaucoma (humans).
- R01EY-00004-20 (VIS) BECKER, BERNARD, DEPT OF OPHTHALMOLOGY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Aqueous humor (human, rabbits).
- R01EY-00005-19 (VIS) SLOAN, LOUISE L, JOHNS HOPKINS HOSPITAL, WILMER INSTITUTE, BALTIMORE, MD. Physiological optics (human).
- R01EY-00007-13 (VIS) KAUFMAN, HERBERT E, J HILLIS MILLER HEALTH CENTER, GAINESVILLE, FLA. Ocular herpes simplex (human, rabbits, monkeys).
- R01EY-00008-13 (VIS) MOUNTCASTLE, VERNON B, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Analysis of flicker retinal action potentials (spiders, crabs).
- R01EY-00009-11 (VIS) FROMM, PAUL O, MICHIGAN STATE UNIVERSITY, DEPT OF PHYSIOLOGY, EAST LANSING, MICH. Comparative physiological studies of vertebrate eyes (fish, amphibian).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1EY-00010-11 (VIS) IRVINE, A RAY, JR, ESTELLE DOHENY EYE FOUNDATION, 272 SOUTH LAKE STREET, LOS ANGELES, CALIF. Effect of blood and pressure on cultured ocular tissue (human, animals).
- RO1EY-00012-11 (VIS) LIEBMAN, PAUL A, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA. Microphotometric studies on retinal rods and cones (birds).
- RO1EY-00013-08 (VISA) LESSELL, SIMMONS, 750 HARRISON AVENUE, BOSTON, MASS. Experimental optic neuropathies (rats).
- RO1EY-00014-06 (VIS) DE VALOIS, RUSSELL L, UNIVERSITY OF CALIFORNIA, 3210 TOLMAN HALL, BERKELEY, CALIF. Electrophysiology of color vision (primates).
- RO1EY-00015-10 (VIS) KAYES, JACK, WASHINGTON UNIV MEDICAL SCH, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Cytology, pathophysiology of aqueous pathways of eye (rabbits, primates).
- RO1EY-00017-08 (VIS) TOMITA, TSUNEO, KEIO UNIVERSITY, DEPT OF PHYSIOLOGY, SHINUUKU-KU, TOKYO 160, JAP. Electric sign of single photoreceptors (fish, lizards, turtles).
- RO1EY-00024-06 (VIS) SCHWARTZ, BERNARD, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Response of ocular pressure to corticosteroids (human).
- RO1EY-00021-05 (VIS) ANDERSON, DOUGLAS R, BASCOM PALMER EYE INSTITUTE, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Experimental pathology of the optic nerve (monkeys).
- RO1EY-00022-04 (VISA) LI, LU-KU, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Subunit interaction of lens proteins (cattle).
- RO1EY-00033-05 (VIS) PAK, WILLIAM L, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Sensory excitation, information flow in the retina (amphibians, reptiles, flies).
- RO1EY-00046-05 (VIS) HALL, MICHAEL O, RILES STEIN EYE INST, UCLA CNTR FOR THE HLTH SCIS, LOS ANGELES, CALIF. Biosynthesis of visual pigment rhodopsin (rats, frogs).
- RO1EY-00048-05 (VIS) ANDREWS, JOHN S, VANDERBILT UNIV SCH OF MED, NASHVILLE, TENN. Corneal metabolism (calves, rabbits).
- RO1EY-00053-05 (SSS) DAW, NIGEL W, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Neural mechanisms of vision (squid, rabbits, cats).
- RO1EY-00056-05 (VIS) HOWES, EDWARD L, JR, UNIV OF CALIFORNIA, 1001 POTRERO AVENUE, SAN FRANCISCO, CALIF. Pathogenesis of altered ocular vascular permeability (rabbits).
- RO1EY-00062-05 (BBCA) KARPLUS, MARTIN, HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. Electronic structure of biomolecules.
- RO1EY-00065-09 (TOX) POTTS, ALBERT M, EYE RESEARCH LABORATORIES, 950 EAST 59TH STREET, CHICAGO, ILL. The action of drugs and poisons on the eye (primates, rabbits, rodents, cats).
- RO1EY-00088-11 (VIS) MEIKLE, THOMAS H, JR, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N. Y. Effects of brain lesions on brightness discrimination (cats).
- RO1EY-00089-10 (VIS) MILLER, WILLIAM H, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Structure and function of eyes (human, frogs).
- RO1EY-00091-08 (VIS) BAKINS, KENNETH E, COLUMBIA UNIVERSITY, 630 W 168 STREET, NEW YORK, N. Y. Neuromuscular effects of anesthetic agents (cats).
- RO1EY-00093-08 (VIS) DAVID, NOBLE J, BASCOM PALMER EYE INSTITUTE, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Experimental fluorescein angiography (monkeys).
- RO1EY-00095-13 (VIS) YOUNG, RICHARD W, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Histophysical and histochemical studies on the eye (frogs).
- RO1EY-00097-12 (VIS) SJOSTRAND, FRITOF S, UNIV OF CALIFORNIA, L A, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Development and organization of visual pathways (rabbits).
- RO1EY-00100-16 (VIS) CRESCITELLI, FRIEDERICK, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVE, LOS ANGELES, CALIF. Comparative studies of the vertebrate retina (animals).
- RO1EY-00105-05 (EXP) JACOBS, GERALD H, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOLOGY, SANTA BARBARA, CALIF. Vision in all-cone visual systems (squirrels).
- RO1EY-00108-05 (VIS) ALBERT, DANIEL M, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Histopathologic study of pigmented ocular tumors (human, dogs, cats).
- RO1EY-00119-04 (VISA) BOTELHO, STELLA Y, UNIV OF PENNSYLVANIA, 36TH STREET & HAMILTON WALK, PHILADELPHIA, PA. Lacrimal gland factors influencing secretion (human, rabbits).
- RO1EY-00121-07 (VIS) MC LAUGHLIN, SAMUEL C, TUFTS UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, MEDFORD, MASS. Visual and auditory feedback in amblyopia ex anopsia (human).
- RO1EY-00123-05 (VIS) O'ROURKE, J, 2 HOLCOMB STREET, HARTFORD, CONN. Uveal blood flow and metabolism studies in vivo (human, dogs).
- RO1EY-00125-05 (VIS) GORDON-LICKEY, BARBARA, UNIVERSITY OF OREGON, PSYCHOLOGY DEPARTMENT, EUGENE, OREG. Superior colliculus and the control of eye movements (monkeys, cats).
- RO1EY-00126-05 (VISA) SCHNEIDER, GERALD E, MASSACHUSETTS INST OF TECH, 79 AMHERST STREET BLDG E10, CAMBRIDGE, MASS. Neuropsychological studies of the visual system (hamsters).
- RO1EY-00131-04 (VISA) KERN, HAROLD L, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Relation of transport to metabolism of glutathione (rats).
- RO1EY-00133-05 (VIS) PINE, BEN S, ARMED FORCES INST OF PATH, OPHTHALMIC PATHOLOGY BRANCH, WASHINGTON, D. C. Electron microscopy in ocular pathology (human).
- RO1EY-00145-05 (VIS) HENLEY, WALTER L, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVE, NEW YORK, N. Y. Pathogenic mechanisms of chronic eye disease (human).
- RO1EY-00146-03 (VIS) KLINTWORTH, GORDON K, DUKE UNIV MEDICAL CENTER, DEPARTMENT OF PATHOLOGY, DURHAM, N. C. Diseases of the cornea (human, hamsters).
- RO1EY-00148-04 (VISA) INGULG, CARL R, JR, OHIO STATE UNIVERSITY, 1314 KINNEAR ROAD, COLUMBUS, OHIO. Interaction between receptor classes in retina (human).
- RO1EY-00154-04 (VIS) EBBESSON, SVEN O, DEPT OF NEUROLOGICAL SURGERY, UNIV OF VIRGINIA SCH MED, CHARLOTTESVILLE, VA. Organization of the vertebrate visual system.
- RO1EY-00160-05 (VISA) CANDIA, OSCAR A, MT SINAI SCHOOL OF MED, 5TH AVENUE AND 100TH STREET, NEW YORK, N. Y. Electrolyte and fluid transport in ocular membranes (amphibia, fish, rabbits).
- RO1EY-00168-05 (VIS) EASTER, STEPHEN S, JR, UNIVERSITY OF MICHIGAN, DEPT OF ZOOLOGY, ANN ARBOR, MICH. Visual mechanisms in lower vertebrates (fish, anurans).
- RO1EY-00169-04 (VIS) BEBSON, ELIOT L, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. Electrophysiological studies of retinal degenerations (human, cats, rats).
- RO1EY-00170-05 (VIS) COGAN, DAVID G, HOWE LAB OF OPHTHALMOLOGY, 243 CHARLES STREET, BOSTON, MASS. Metabolism of the normal and abnormal ocular lens (rats, rabbits, mice).
- RO1EY-00173-07 (BBCB) BRODY, SEYMOUR S, NEW YORK UNIVERSITY, 100 WASHINGTON SQUARE EAST, NEW YORK, N. Y. Monomolecular films to study visual processes (models, cattle).
- RO1EY-00175-05 (BBCB) DRATZ, EDWARD A, UNIVERSITY OF CALIFORNIA, 439 NATURAL SCIENCES II, SANTA CRUZ, CALIF. Structure and function of visual photoreceptors.
- RO1EY-00184-21 (VIS) OZANICS, VICTORIA, COLL OF PHYSICIAN & SURGEONS, 530 WEST 168TH STREET, BOX 18, NEW YORK, N. Y. Functional development of eye (human, monkey, rabbits).
- RO1EY-00186-20 (VIS) JAWETZ, ERNEST, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Viral heretoconjunctivitis and related disorders (human).
- RO1EY-00187-20 (VIS) ROYNTON, ROBERT M, UNIV OF ROCHESTER, COLLEGE OF ARTS & SCIENCE, ROCHESTER, N. Y. Psychophysiological and optical studies of vision (human, monkeys).
- RO1EY-00188-19 (VIS) HARTLINE, HALDAN K, THE ROCKEFELLER UNIVERSITY, YORK AVENUE AND 66TH STREET, NEW YORK, N. Y. Electrical activity, single receptors, neurons of eye (cats, *Limulus*).
- RO1EY-00189-19 (VIS) MANSKI, WLADYSLAW J, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Immunological observations on ocular lens in cataract (rats).
- RO1EY-00190-18 (VIS) IWAMOTO, TAKBO, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N. Y. Electron microscopy of the eye (human, animals).
- RO1EY-00195-17 (VIS) SERY, THEODORE W, WILLS EYE HOSPITAL & RES INST, 1601 SPRING GARDEN STREET, PHILADELPHIA, PA. Response of corneal stroma to injections of proteins (rabbits).
- RO1EY-00196-17 (VISA) REYER, RANDALL W, WEST VIRGINIA UNIVERSITY, DEPT OF ANATOMY, MORGANTOWN, W. VA. Lens and neural retinal development and regeneration (frogs).
- RO1EY-00197-16 (SSS) ALPERN, MATHEW, UNIVERSITY OF MICHIGAN, 5044 KRESGE MED RES BLDG II, ANN ARBOR, MICH. Psychophysiological studies of ocular abnormalities (human).
- RO1EY-00198-16 (UMB) MANSKI, WLADYSLAW J, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Effects of antitocular antibodies on ocular tissues (rabbits).
- RO1EY-00201-13 (VIS) KROPP, ALLEN, AMHERST COLLEGE, DEPARTMENT OF CHEMISTRY, AMHERST, MASS. Photochemistry of visual pigments (anurans, chickens, cattle).
- RO1EY-00204-15 (VIS) ENOCH, JAY M, WASHINGTON UNIVERSITY, WASHINGTON UNIV SCH OF MED, ST LOUIS, MO. Etiology of reduced visual function (human, animals).
- RO1EY-00205-15 (VIS) PATZ, ARNOLD, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Retina and retinal vessels (human, dogs, cats).
- RO1EY-00205-13 (VIS) ENROTH-CUGBELL, C A, NORTHWESTERN UNIVERSITY, 2145 SHERIDAN ROAD, EVANSTON, ILL. Retinal ganglion cell responses to time varying stimuli (cats).
- RO1EY-00207-15 (VISA) HOLLAND, MONTE G, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Physiology and pharmacology of aqueous humor flow (human).
- RO1EY-00208-14 (VSN) DOHLMAN, CLAES H, RETINA FOUNDATION, 20 STANIFORD ST, BOSTON, MASS. Corneal physiology and pathology (rabbits, human).
- RO1EY-00210-14 (VISA) DONN, ANTHONY, COLUMBIA UNIVERSITY, 635 WEST 165TH STREET, NEW YORK, N. Y. Physiologic studies of the living cornea in vitro (human, rabbits).
- RO1EY-00212-15 (VIS) POTTS, ALBERT M, EYE RESEARCH LABORATORIES, 950 EAST 59TH STREET, CHICAGO, ILL. Experimental and clinical visual electroretinography (human, monkeys).
- RO1EY-00213-15 (VIS) CARR, RONALD E, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N. Y. ERG and psychophysical studies in retinal disorders (human).
- RO1EY-00215-14 (VISA) WALSH, FRANK B, JOHNS HOPKINS HOSPITAL, SCHOOL OF MEDICINE, BALTIMORE, MD. Neuropathology and clinical ophthalmological diagnosis (human).
- RO1EY-00217-14 (VISA) SILVERSTEIN, ARTHUR M, WILMER INSTITUTE, 601 NORTH BROADWAY, BALTIMORE, MD. Ocular hypersensitivity (rabbits).
- RO1EY-00219-14 (VR) GRAYSTON, J THOMAS, UNIVERSITY OF WASHINGTON, HEALTH SCIENCES CENTER, SEATTLE, WASH. Prevention of trachoma (human, primates, rabbits).
- RO1EY-00220-13 (VIS) WESTHEIMER, GERALD, UNIVERSITY OF CALIFORNIA, 2575 LIFE SCIENCES BLDG, BERKELEY, CALIF. Retinal and central visual function (human).
- RO1EY-00222-14 (PHY) GOLDSMITH, TIMOTHY H, YALE UNIVERSITY, DEPARTMENT OF BIOLOGY, NEW HAVEN, CONN. Visual mechanisms (arthropods).
- RO1EY-00223-13 (VIS) BALAZS, ENDRE A, BOSTON BIOMEDICAL RES INST, 20 STANIFORD ST, BOSTON, MASS. The physiology and pathology of the vitreous (monkey).
- RO1EY-00224-13 (RAD) SOKOLLU, ADNAN, WEARN RESEARCH BUILDING, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Study of eye physiology and disease by ultrasound (human, rabbits).
- RO1EY-00225-13 (SSS) BARBER, G WINSTON, WILLS EYE HOSP AND RESEARCH, 1601 SPRING GARDEN STREET, PHILADELPHIA, PA. Studies on lens metabolism (rats, rabbits).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- PO1EY-00227-13 (SRC) SCHEPENS, CHARLES L. RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. The posterior segment of the eye.
- PO1EY-00227-13 0001 (SRC) POMERANTZEPF, OLEG. The posterior segment of the eye—Mathematical analysis of dioptric media (human).
- PO1EY-00227-13 0003 (SRC) DEQUIMBON HENRI. The posterior segment of the eye—Heat generation and propagation in ocular tissues (human).
- PO1EY-00227-13 0004 (SRC) POMERANTZEPF, OLEG. The posterior segment of the eye—Fluorimetry for studying ocular media (human).
- PO1EY-00227-13 0005 (SRC) POMERANTZEPF, OLEG. The posterior segment of the eye—Effects of contusion of the globe (human).
- PO1EY-00227-13 0006 (SRC) POMERANTZEPF, OLEG. The posterior segment of the eye—Thin films.
- PO1EY-00227-13 0007 (SRC) MUKAI NORITSUGU. The posterior segment of the eye—Regeneration of retinal nonmyelinated fibers (dogs).
- PO1EY-00227-13 0008 (SRC) SCHEPENS, CHARLES L. The posterior segment of the eye—Methods of retina surgery (human, dogs, rabbits).
- PO1EY-00227-13 0009 (SRC) TOLENTINO FELIPE I. The posterior segment of the eye—Studies of the vitreous (human, monkeys).
- PO1EY-00227-13 0010 (SRC) MCMEEL J WALLACE. The posterior segment of the eye—Diabetic retinopathy (human).
- PO1EY-00227-13 0012 (SRC) SCHEPENS, CHARLES L. The posterior segment of the eye—Standards of normal fundus periphery (human).
- PO1EY-00227-13 0013 (SRC) FREEMAN, H MACKENZIE. The posterior segment of the eye—Retinal detachment and related conditions (human).
- PO1EY-00227-13 0014 (SRC) WOLF, ERNST. The posterior segment of the eye—Retinal sensitivity (human).
- PO1EY-00227-13 0015 (SRC) SCHEPENS, CHARLES L. The posterior segment of the eye—Hereditary vitreoretinal degeneration (human).
- PO1EY-00227-13 0017 (SRC) SCHEPENS, CHARLES L. The posterior segment of the eye—Velocity of blood flow in retinal arteries (rabbits).
- PO1EY-00227-13 0018 (SRC) SCHEPENS, CHARLES L. The posterior segment of the eye—Ocular malignant melanoma (human).
- PO1EY-00227-13 0019 (SRC) SCHEPENS, CHARLES L. The posterior segment of the eye—Experimental tumors induced by adenovirus type12 (hamsters).
- PO1EY-00227-13 0020 (SRC) SCHEPENS, CHARLES L. The posterior segment of the eye—Human visual evoked responses.
- RO1EY-00231-10 (VISA) BARANY, ERNST H. FARMAKOLOGISKA INSTITUTIONEN, BOX 573 BIOMED CENTRUM, S-751 23 UPPSALA, SWEDEN. Comparative study of glaucoma (human, monkeys).
- RO1EY-00236-13 (VISA) WULF, VERNER J. MASONIC MEDICAL RESEARCH LAB, UTICA, N Y. Visual coupling reactions (Limulus).
- RO1EY-00237-13 (VIS) SEARS, MARVIN L. YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Physiologic studies of intraocular pressure (rabbits).
- RO1EY-00338-13 (VIS) WEIMAR, VIRGINIA L. UNIVERSITY OF OREGON, 3181 SW SAM JACKSON PK ROAD, PORTLAND, OREGON. Reaction of corneal cells to injury (rabbits).
- RO1EY-00239-14 (VISA) HANNA, CALVIN, UNIV OF ARKANSAS MED CTR, 4301 WEST MARKHAM STREET, LITTLE ROCK, ARK. Biochemical studies of lens cataract formation (human, animals).
- RO1EY-00243-11 (VISA) WAITZMAN, MORTON B. EMORY UNIV, ATLANTA, GA. Metabolic systems in aqueous humor dynamics (cats, rabbits).
- RO1EY-00244-13 (PC) ANDERSON, ROBERT E. BAYLOR COLLEGE OF MEDICINE, DEPARTMENT OF OPHTHALMOLOGY, HOUSTON, TEXAS. Lipids in experimentally-induced cataracts (human, cattle, frogs).
- RO1EY-00350-11 (VISA) PATZ, ARNALL, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Diabetic retinopathy (human, dogs).
- RO1EY-00254-10 (IAB) WACKER, WALDON B. UNIVERSITY OF LOUISVILLE, 301 EAST WALNUT STREET, LOUISVILLE, KY. Auto and iso-immune response to ocular tissues (guinea pigs).
- RO1EY-00256-11 (VIS) MOSES, ROBERT A. WASHINGTON UNIV SCH OF MED, 660 S EUCLID, SAINT LOUIS, MO. Factors affecting intraocular pressure (human).
- RO1EY-00258-11 (VIS) COHEN, ADOLPH I. WASHINGTON UNIV MEDICAL SCH, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Cytology and physiology of the retina (animals).
- RO1EY-00260-11 (VIS) KUCK, JOHN F, JR. EMORY UNIVERSITY, SCARBOROUGH MEM CLINIC, ATLANTA, GA. Lens metabolism in normal and pre-cataractous state (mice, gerbils).
- RO1EY-00366-11 (VIS) KAUFMAN, HERBERT E. UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Corneal preservation and keratoplasty (human, rabbits, guinea pigs).
- RO1EY-00368-11 (VIS) KERN, HAROLD L. ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Transport processes in ocular tissues (cattle, rabbits).
- RO1EY-00275-08 (SSS) COLEMAN, D JACKSON, INSTITUTE OF OPHTHALMOLOGY, 635 WEST 165TH STREET, NEW YORK, N Y. Ultrasonic measurement of optical dimensions (human, monkeys, cats).
- RO1EY-00279-11 (VISA) SILVERSTEIN, ARTHUR M. WILMER INSTITUTE, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Pathogenesis of a uveitis (mice).
- RO1EY-00281-10 (VISA) ROTHSTEIN, HOWARD, UNIVERSITY OF VERMONT, DEPARTMENT OF ZOOLOGY, BURLINGTON, VT. Wound healing in lens epithelium (frogs).
- RO1EY-00284-09 (VISA) YOUNG, FRANCIS A. WASHINGTON STATE UNIVERSITY, PRIMATE RESEARCH CENTER, PULLMAN, WASH. Growth environmental refractive changes (human, primates).
- RO1EY-00285-10 (VIS) RUPPS, HARRIS, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Visual adaptation in the vertebrate retina (fish).
- RO1EY-00293-09 (VIS) PURPLE, RICHARD L. UNIVERSITY OF MINNESOTA, 334 MILLARD HALL, MINNEAPOLIS, MINN. Integrative mechanism of neurons (crayfish).
- RO1EY-00297-10 (VISA) NOELL, WERNER K. NEUROSENSORY LABORATORY, 2211 MAIN STREET, BUFFALO, N Y. Vulnerability of the retina to light and other agents (rats, rabbits).
- PO1EY-00299-09 (NSS) JAMPOLSKY, ARTHUR, SMITH-KETLEWELL INST, 2232 WEBSTER STREET, SAN FRANCISCO, CALIF. Neurophysiology of the visual apparatus.
- PO1EY-00299-09 0003 (NSS) COLLINS, CARTER C. Neurophysiology of the visual apparatus—Innervation and the resulting developmental muscle forces (human).
- PO1EY-00299-09 0006 (NSS) BACH-Y-RITA, PAUL. Neurophysiology of the visual apparatus—Oculomotor integration (decapods).
- PO1EY-00299-09 0008 (NSS) BACH-Y-RITA, PAUL. Neurophysiology of the visual apparatus—Structural and functional correlation in extraocular muscle (and cats).
- PO1EY-00299-09 0017 (NSS) COLLINS, CARTER. Neurophysiology of the visual apparatus—Muscle force patterns responsible for eye movements (human).
- PO1EY-00299-09 0018 (NSS) COLLINS, CARTER C. Neurophysiology of the visual apparatus—Motor units in the phases and type of eye movements (human).
- PO1EY-00299-09 0020 (NSS) COLLINS, CARTER C. Neurophysiology of the visual apparatus—Model of eye movement control.
- PO1EY-00299-09 0021 (NSS) BACHYRITA, PAUL. Neurophysiology of the visual apparatus—Coordinates of extraocular muscles in steady state (cat).
- PO1EY-00299-09 0022 (NSS) NAKAYAMA, K. Neurophysiology of the visual apparatus—Brain mechanisms in sensory substitution (monkeys).
- PO1EY-00299-09 0023 (NSS) COLLINS, CARTER C. Neurophysiology of the visual apparatus—Pharmacological weakening of extraocular muscles (monkeys).
- RO1EY-00300-09 (VIS) ENGERMAN, RONALD L. UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Diabetic retinopathy (monkeys, dogs).
- RO1EY-00308-08 (VIS) KESSEY, ULKER T. UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVE, MADISON, WIS. Visual processes with a motionless retinal image (human, cat).
- RO1EY-00300-09 (VIS) BRENNIN, GOODWIN M. NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Fine structure of normal and pathologic ocular muscle (rabbits, monkeys, rats).
- RO1EY-00313-07 (VIS) ZIELLER, E ALBERT, MEDICAL SCHOOL, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Chemistry and physiological role of ocular enzymes (rabbits).
- RO1EY-00318-06 (VIS) ZWENG, H CHRISTIAN, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, PALO ALTO, CALIF. Lasers in ophthalmic diseases (human, monkeys).
- RO1EY-00221-09 (VISA) SEKULER, ROBERT W. NORTHWESTERN UNIVERSITY, 2021 SHERIDAN RD, EVANSTON, ILL. Movement and contour processes in human vision.
- RO1EY-00223-09 (VIS) MC FARLAND, WILLIAM N. CORNELL UNIVERSITY, LANGMUR LAB BLDG 6, ITHACA, N Y. Environmental light and visual pigments (fish).
- RO1EY-00224-09 (VIS) MUNZ, FREDERICK W. UNIVERSITY OF OREGON, DEPT OF BIOLOGY, EUGENE, OREG. Genetics of visual pigments (fish).
- RO1EY-00325-09 (VISA) STERNMAAN, ROBERT M. PSYCHOLOGY DEPT, UNIV OF MARYLAND, COLLEGE PARK, MD. Stimulus variables in monocular fixation (human, primates).
- RO1EY-00327-09 (VIS) REPOJO, MIGUEL P. RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. Synthetic hydrophilic polymers for eye surgery (rabbits, cattle).
- RO1EY-00330-08 (VISA) LEOPOLD, IRVING H. MOUNT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE & 100TH STREET, NEW YORK, N Y. Ocular pharmacology (human, animals).
- PO1EY-00331-08 (VSN) STRAATSMAN, BRADLEY R. JULES STEIN EYE INSTITUTE, UCLA CENTER FOR HEALTH SCIENCE, LOS ANGELES, CALIF. Retinal morphology, function and clinical characteristics.
- PO1EY-00331-08 0001 (VSN) POOS, ROBERT Y. Retinal morphology, function and clinical characteristics—Anatomy and pathology (human).
- PO1EY-00331-08 0002 (VSN) BOK, DEAN. Retinal morphology, function and clinical characteristics—Morphology and biochemistry (frogs, rats, primates).
- PO1EY-00331-08 0003 (VSN) HALL MICHAEL O. Retinal morphology, function and clinical characteristics—Functional biochemistry (frogs, rats, cattle, rabbits).
- PO1EY-00331-08 0004 (VSN) CRESCITELLI, FREDERICK. Retinal morphology, function and clinical characteristics—Functional physiology (rats, frogs).
- PO1EY-00331-08 0005 (VSN) APT LEONARD. Retinal morphology, function and clinical characteristics—Morphology and function (human, rats, rabbits).
- RO1EY-00308-08 (VIS) BITO, LASZLO Z. 630 WEST 165TH STREET, NEW YORK, N Y. Ocular fluid composition and ocular tissue physiology (animals).
- PO1EY-00330-08 (VSN) BECKER, BERNARD, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. CLINICAL STUDENT OF GLAUCOMA.
- PO1EY-00336-08 0001 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Diurnal pressure curves (human).
- PO1EY-00336-08 0002 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Episcleral venous pressure (human).
- PO1EY-00330-08 0003 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Cup/disk ratio and vertical elongation (human).
- PO1EY-00336-08 0004 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Cup volume measurements (human).
- PO1EY-00336-08 0005 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Modified topical corticosteroids (human).
- PO1EY-00336-08 0006 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—New steroids—Provera (human).
- PO1EY-00336-08 0007 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Prevention of corticosteroid-induced pressure rise (human).
- PO1EY-00336-08 0008 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Steroid responsiveness in tissue culture (human).
- PO1EY-00336-08 0009 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Cortisol suppression and diphenhydantoin (human).
- PO1EY-00336-08 0010 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Cortisol suppression dose response and glaucoma (human).
- PO1EY-00336-08 0011 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Fluorescein studies (human).
- PO1EY-00336-08 0012 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Endothelial permeability (human).
- PO1EY-00336-08 0013 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA—Effect of diphenhydantoin on glaucomatous field loss (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01EY-00336-08 0014 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Dose-response to topical epinephrine (human).
- P01EY-00336-08 0015 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Unilateral epinephrine (human).
- P01EY-00336-08 0016 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Unilateral field loss (human).
- P01EY-00336-08 0017 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Soft contact lens and pilocarpine (human).
- P01EY-00336-08 0018 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Penetration of pilocarpine.
- P01EY-00336-08 0019 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Small dose hyperosmotic agents and central mechanisms (human).
- P01EY-00336-08 0020 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Blood reflux in Schlemm's canal (human).
- P01EY-00336-08 0021 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Tyrosine hydroxylase (rabbits).
- P01EY-00336-08 0022 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Microsurgery (human).
- P01EY-00336-08 0023 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Unilateral iridectomy (human).
- P01EY-00336-08 0024 (VSN) BECKER, BERNARD. CLINICAL STUDENT OF GLAUCOMA-Cataract and open-angle glaucoma (human).
- P15EY-00338-09 (VSN) NORTON, EDWARD W. BASCOM PALMER EYE INSTITUTE, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. A study of macular disease.
- P15EY-00338-09 0001 (VSN) NORTON, EDWARD W. A study of macular disease-Cystoid macular edema after cataract extraction (human).
- P15EY-00338-09 0002 (VSN) NORTON, EDWARD W. A study of macular disease-Idiopathic central serous choriopathy (human).
- P15EY-00338-09 0003 (VSN) NORTON, EDWARD W. A study of macular disease-Drusen and senile disciform macular degeneration.
- P15EY-00338-09 0004 (VSN) NORTON, EDWARD W. A study of macular disease-Follow-up study of patients with the presumed ocular histoplasmosis syndrome.
- P15EY-00338-09 0005 (VSN) NORTON, EDWARD W. A study of macular disease-Evaluation of the macula in rhegmatogenous retinal detachment (human).
- P15EY-00338-09 0006 (VSN) NORTON, EDWARD W. A study of macular disease-Natural course of retinal vein obstruction (human).
- P15EY-00338-09 0007 (VSN) NORTON, EDWARD W. A study of macular disease-Photocoagulation of cystoid macular edema in diabetic retinopathy (human).
- RO1EY-00343-09 (PC) FUTTERMAN, SIDNEY, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Retinal metabolism (rats, cats, frogs, human).
- RO1EY-00344-07 (SSS) ELLIOTT, JAMES H, VANDERBILT UNIVERSITY, SCH OF MEDICINE, NASHVILLE, TENN. Ocular hypersensitivity (rabbits).
- RO1EY-00348-08 (VIS) DISCHE, ZACHARIAS, 635 W 165TH STREET, NEW YORK, N Y. Chemistry of cell surface membranes of lens fibers (rats, rabbits, cattle).
- RO1EY-00355-07 (VISB) GRAF, VIRGH A, DARTMOUTH COLLEGE, PSYCHOLOGY DEPT, HANOVER, N H. Behavioral visual function (turtles, pigeons).
- RO1EY-00360-08 (VISB) THOMAS, JAMES P, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOLOGY, LOS ANGELES, CALIF. Spatial integration in human vision.
- RO1EY-00362-07 (VIS) REDDAN, JOHN R, OAKLAND UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, ROCHESTER, MICH. Control of cell division in the ocular lens (rabbits).
- RO1EY-00374-07 (VIS) REIF-LEHRER, LIANE, HARVARD MEDICAL SCHOOL, 20 STANFORD ST, BOSTON, MASS. Biochemical control in normal and diseased retina (chickens, cattle).
- RO1EY-00375-06 (VIS) MATIN, LEONARD, COLUMBIA UNIVERSITY, 116 ST AND BROADWAY, NEW YORK, N Y. Eye movements and visual direction (human).
- RO1EY-00376-07 (VISB) HAMASAKI, DUCO I, BASCOM PALMER EYE INSTITUTE, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Effect of visual deprivation on vision (rats, cats).
- RO1EY-00378-07 (VISA) GORTHY, WILLIS C, COLORADO STATE UNIVERSITY, DEPARTMENT OF ANATOMY, FORT COLLINS, COLO. Morphological and histochemical studies of the lens (rats).
- RO1EY-00379-06 (VIS) GREEN, DANIEL G, 5044 KRESGE II BUILDING, THE UNIV OF MICHIGAN, ANN ARBOR, MICH. Functional organization of the retina (rats, skate).
- RO1EY-00381-07 (VISB) SPERLING, HARRY G, UNIV OF TEXAS AT HOUSTON, 6420 LAMAR FLEMING BLVD, HOUSTON, TEX. Excitability of visual pathways (humans, monkeys).
- RO1EY-00383-12 (EXP) LIT, ALFRED, SOUTHERN ILLINOIS UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, CARBONDALE, ILL. Effects of illumination on binocular space perception (human).
- RO1EY-00392-07 (VISB) FAHRENBAACH, WOLF M, OREGON REG PRIMATE RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Functional morphology of the limulus visual system.
- RO1EY-00393-07 (VISA) KEAM, EDWARD L, WEARN RESEARCH BUILDING, 2058 ABINGTON ROAD, CLEVELAND, OHIO. Glycolipid and glycoprotein metabolism in eye tissue (animals).
- RO1EY-00394-07 (SSS) MEYERS, ROBERTA L, JULES STEIN EYE INSTITUTE, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Corneal inflammation in herpes keratitis (rabbits, mice, human).
- RO1EY-00395-06 (VIS) LOLLEY, RICHARD N, 405 HILGARD, LOS ANGELES, CALIF. Maturation of metabolism in normal and dystrophic retina (mice).
- P01EY-00396-07 (VSN) DEVOE, ARTHUR G, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Basic ophthalmic research program.
- P01EY-00396-07 0001 (VSN) SMELSER GEORGE K. Basic ophthalmic research program-Functional development of the eye (primates).
- P01EY-00396-07 0012 (VSN) SMELSER, GEORGE K. Basic ophthalmic research program-Electron microscopy of eye (animals).
- P01EY-00396-07 0013 (VSN) ANDERSON, ETHEL. Basic ophthalmic research program-Intermediate metabolism of the cornea.
- P01EY-00396-07 0014 (VSN) BITO, LASZLO Z. Basic ophthalmic research program-Biotransport of prostaglandins (animals).
- P01EY-00396-07 0015 (VSN) BITO, LASZLO Z. Basic ophthalmic research program-The physiological reactions of the lens to its environment.
- P01EY-00396-07 0016 (VSN) ZACHARIAS, DISCHE. Basic ophthalmic research program-Chemistry of cell surface membranes of lens fiber (cattle, rats, rabbits).
- P01EY-00396-07 0017 (VSN) EAKINS, KENNETH E. Basic ophthalmic research program-Ocular effects of prostaglandins and prostaglandin antagonists (human).
- P01EY-00396-07 0018 (VSN) FISCHBARG, JORGE. Basic ophthalmic research program-Corneal transparency and active transport mechanisms.
- P01EY-00396-07 0019 (VSN) HOLLYFIELD, JOE G. Basic ophthalmic research program-Casual factors regulating growth in the visual system (frogs).
- P01EY-00396-07 0020 (VSN) LI, LI-KU. Basic ophthalmic research program-Subunit interaction of lens protein and lens mutarotase.
- P01EY-00396-07 0021 (VSN) KITCHEN, FRANK D. Basic ophthalmic research program-The evaluation and treatment of ocular cancer (human).
- P01EY-00396-07 0022 (VSN) KITCHEN, FRANK D. Basic ophthalmic research program-Antibodies, antigens and mechanisms involved in cytotoxicity.
- P01EY-00396-07 0023 (VSN) SPECTOR, ABRAHAM. Basic ophthalmic research program-Lens proteins and glutathione.
- P01EY-00396-07 0024 (VSN) TOKUMARU, TADASU. Basic ophthalmic research program-Loss of vision due to corneal inflammation.
- P01EY-00396-07 0025 (VSN) WITKOVSKY, PAUL. Basic ophthalmic research program-Factors affecting the excitability of retinal neurons.
- RO1EY-00402-07 (VIS) BITO, LASZLO Z, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Control of tissue-sensitivity to autonomic agents (rats, hamsters).
- RO1EY-00405-07 (VIS) WATERMAN, TALBOT H, YALE UNIVERSITY, 610 KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Sensory mechanisms in visual orientation (fish, crustaceans, insects).
- RO1EY-00412-05 (VISB) LAWWILL, THEODORE, 301 E WALNUT STREET, LOUISVILLE, KENTUCKY. Clinical ERG with photopic patterned stimuli (human, rabbits).
- RO1EY-00413-06 (VIS) OSTROY, SANFORD E, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Related molecular and physiological events in vision (*Drosophila*).
- RO1EY-00415-06 (VIS) POLACK, FRANK M, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Ultramicroscopic changes in corneal graft reaction (human).
- RO1EY-00418-06 (VIS) CASEY, WILLIAM J, UNIV OF CALIF SAN FRANCISCO, 3RD & PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Physiology and pharmacology of aqueous humor outflow (monkeys, rabbits).
- RO1EY-00421-06 (EXP) TELLER, DAVIDA Y, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PSYCHOLOGY, SEATTLE, WASH. Visual increment thresholds (human, monkeys).
- RO1EY-00422-06 (VIS) COWGILL, ROBERT W, BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF BIOCHEMISTRY, WINSTON-SALEM, N C. Fluorescent derivatives of tyrosine in cataract lens (human, rabbits).
- RO1EY-00425-06 (VISA) SPECTOR, ABRAHAM, COLUMBIA UNIVERSITY, 630 W 168TH STREET, NEW YORK, N Y. Studies upon the ocular lens (human, calves).
- RO1EY-00424-06 (VIS) JOHNSON, MARY K, TULANE UNIV MEDICAL SCHOOL, 1430 TULANE AVENUE, NEW ORLEANS, LA. Pneumococcal enzymes and corneal ulcers (rabbits).
- RO1EY-00427-05 (VIS) DAWSON, CHANDLER R, UNIVERSITY OF CALIFORNIA, PARNASSUS & THIRD AVE, SAN FRANCISCO, CALIF. Analysis of problems in ocular inflammatory disease (human, rabbits).
- RO1EY-00429-06 (VIS) SWANSON, ARNOLD A, MEDICAL UNIVERSITY OF S C, 80 BARRE ST, CHARLESTON, S C. Proteolysis in normal and senile cataract lens (human).
- RO1EY-00431-06 (VIS) MAURICE, DAVID M, STANFORD UNIVERSITY SCH OF MED, DEPT OF SURGERY, STANFORD, CALIF. Control of corneal hydration (rabbits, human).
- RO1EY-00435-06 (VISB) SREBRO, RICHARD, S U N Y - AT BUFFALO, 2211 MAIN STREET, BUFFALO, N Y. Molecular basis of photoreceptor activity (*Limulus*).
- RO1EY-00444-06 (VIS) BOK, DEAN, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Electron microscope autoradiography of ocular tissues (animals).
- RO1EY-00445-06 (VIS) ALLANSMITH, MATHIEA R, STANFORD UNIVERSITY MED CTR, DEPT OF SURGERY-OPHTHALMOLOGY, STANFORD, CALIF. Ocular immunology (human).
- P01EY-00444-06 (VSN) KAUFMAN, HERBERT E, UNIVERSITY OF FLORIDA, DEPT OF OPHTHALMOLOGY, GAINESVILLE, FLA. External ocular disease center.
- P01EY-00444-06 0005 (VSN) KAUFMAN, HERBERT E. External ocular disease center-Keratoplasty and corneal preservation (human).
- P01EY-00446-06 0007 (VSN) SHAH, D. External ocular disease center-Surface chemical aspects of cornea contact lenses and tears.
- P01EY-00444-06 0008 (VSN) POLACK, F. External ocular disease center-Corneal graft reaction (guinea pigs and primates).
- P01EY-00446-06 0009 (VSN) KAUFMAN, HERBERT E. External ocular disease center-(CBSA uretitis) by topical steroids (rabbits).
- P01EY-00446-06 0011 (VSN) KAUFMAN, HERBERT E. External ocular disease center-Antivirals (human, animals).
- P01EY-00446-06 0012 (VSN) CENTIFANTO, Y. External ocular disease center-Host defenses (guinea pigs, rabbits).
- P01EY-00446-06 0013 (VSN) KAUFMAN, HERBERT E. External ocular disease center-Other viruses (mice, primates).
- P01EY-00446-06 0014 (VSN) POLACK, F. External ocular disease center-Pharmacology of anti-inflammatory compounds (pigs, rabbits).
- P01EY-00446-06 0015 (VSN) KAUFMAN, HERBERT E. External ocular disease center-Antifungals (animals).
- P01EY-00446-06 0016 (VSN) GASSET, A. External ocular disease center-Soft contact lenses and epikeratoprosthesis.
- P01EY-00446-06 0017 (VSN) GASSET, A. External ocular disease center-Thermokeratoplasty (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1EY-00449-04 (BIO) DOUGHTY, CLYDE C, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. Aldose reductase subunits (yeast, mammals).
- RO1EY-00454-06 (SSS) BIEDSDORF, WILLIAM R, OHIO STATE UNIVERSITY, 1314 KINNEAR ROAD, COLUMBUS, OHIO. Electrophysiological studies of visual adaptation (human).
- RO1EY-00456-06 (VIS) REHM, WARREN S, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Fluid and electrolyte transport in the cornea (frogs).
- RO1EY-00457-06 (VIS) BAKINS, KENNETH E, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Ocular effects of prostaglandins (rats).
- RO1EY-00459-05 (VISA) ZIGMAN, SEYMOUR, STRONG MEMORIAL HOSPITAL, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Near ultraviolet light effects on ocular tissues (human, animals).
- RO1EY-00460-06 (VIS) BURKHARDT, DWIGHT A, UNIVERSITY OF MINNESOTA, DEPT OF PSYCHOLOGY, MINNEAPOLIS, MINN. Vision and intraretinal potentials (frogs, nocturus).
- RO1EY-00461-06 (VISA) BRIDGES, C DAVID, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Photo-and biochemical reactions in the visual system (fish).
- RO1EY-00463-06 (VIS) BOWINDS, M DERIC, UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Molecular biology of visual receptor outer segments (frogs).
- RO1EY-00468-15 (VIS) BROWN, KENNETH T, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PHYSIOLOGY, SAN FRANCISCO, CALIF. Neurophysiology of the vertebrate retina (frogs, turtle).
- RO1EY-00475-08 (VISA) BILL, ANDERS A, INSTITUTE OF PHARMACOLOGY, BIOMEDICAL CENTRE, BOX 572, 751 23 UPPSALA, SWEDEN. Studies on the nutrition of the eye (primates).
- RO1EY-00476-08 (VIS) LANGHAM, MAURICE E, JOHNS HOPKINS HOSPITAL, 261 WOODS BUILDING, BALTIMORE, MD. Regulation of the intraocular pressure (human, monkeys).
- RO1EY-00479-07 (VIS) WILLIAMS, THEODORE P, INSTITUTE OF MOLECULAR BIOPHY, FLORIDA STATE UNIV, TALLAHASSEE, FLA. Photochemical aspects of visual processes (rats, frogs).
- RO1EY-00483-07 (VISA) KINSEY, V EVERETT, OAKLAND UNIVERSITY, INST OF BIOLOGICAL SCIENCES, ROCHESTER, MICH. Intraocular fluid dynamics (rabbits).
- RO1EY-00484-07 (VISA) REDDY, VENKAT N, OAKLAND UNIVERSITY, INST OF BIOLOGICAL SCIENCES, ROCHESTER, MICH. Intraocular transport (rabbits, rats, sheep).
- P15EY-00492-08 (SRC) FRIEDMAN, EPHRAIM, DEPARTMENT OF OPHTHALMOLOGY, UNIVERSITY HOSPITAL, BOSTON, MASS. Ophthalmic OPD clinical research project (human).
- P15EY-00493-06 (VSN) BAUM, JULES L, NEW ENGLAND MED CTR HOSPS, 171 HARRISON AVENUE, BOSTON, MASS. Corneal research clinic.
- P15EY-00493-06 0001 (VSN) BAUM, JULES L. Corneal research clinic-Corneal endothelium in patients with corneal guttata (human).
- P15EY-00493-06 0002 (VSN) BAUM, JULES L. Corneal research clinic-Corneal and conjunctival familial disease and birth defect problems (human).
- P15EY-00493-06 0003 (VSN) BAUM, JULES L. Corneal research clinic-Antibiotics, antiviral agents in conjunctival and corneal disease (human, animals).
- P15EY-00493-06 0004 (VSN) BAUM, JULES L. Corneal research clinic-Pheochromocytoma, thyroid carcinoma, multiple mucosal neuroma syndrome (human).
- P15EY-00494-05 (VSN) HOLLAND, MONTE G, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Clinical electrophysiologic studies of ocular disease (human).
- RO1EY-00495-06 (VIS) NICOL, JOSEPH A, UNIVERSITY OF TEXAS, MARINE SCIENCE INSTITUTE, PORT ARKANSAS, TEX. Photobiology and vision (fish, birds).
- RO1EY-00501-06 (BBCA) BETTELHEIM, FREDERICK A, ADELPHI UNIVERSITY, DEPT OF CHEMISTRY, GARDEN CITY, N. Y. Opticomechanical study of gel structures in the eye (cattle, human, rats).
- RO1EY-00506-06 (VIS) PATEBSON, CHRISTOPHER A, UNIV OF COLORADO MED CENTER, BOX 2404, DENVER, COLO. Ion movement and distribution in the crystalline lens (rabbits, frogs).
- RO1EY-00508-05 (VIS) WALD, GEORGE, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Chemistry and physiology of visual excitation (human, animals).
- RO1EY-00515-06 (VIS) WOLF, GEORGE, MASSACHUSETTS INST OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Vitamin A and protein synthesis in cornea (rats).
- RO1EY-00519-05 (VIS) MILLER, JAMES E, WASHINGTON UNIV SCH OF MED, 660 SO EUCLID AVENUE, ST LOUIS, MO. Normal and diseased extraocular muscle (human, primates).
- RO1EY-00520-05 (VIS) CONE, RICHARD A, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Visual excitation-Role of visual pigment (rats, frogs).
- PO1EY-00523-13 (SRC) NEWELL, FRANK W, UNIV OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Sensory disease clinical research center (eye disorders).
- PO1EY-00523-13 0001 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Retinitis pigmentosa (human).
- PO1EY-00523-13 0002 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Acquired color vision defects in macular and optic nerve diseases (human).
- PO1EY-00523-13 0003 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Psychiatric and ocular evaluation of children with ocular conversion reactions.
- PO1EY-00523-13 0004 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-X-linked diseases (human).
- PO1EY-00523-13 0005 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Low tension glaucoma (human).
- PO1EY-00523-13 0006 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Photocoagulation in treatment of retinal diseases (human).
- PO1EY-00523-13 0007 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Clinical applications of electroretinogram and electrooculogram (human).
- PO1EY-00523-13 0008 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Multifocal choroiditis and macular hemorrhage (human).
- PO1EY-00523-13 0009 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Natural course of branch vein occlusions (human).
- PO1EY-00523-13 0010 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-The effect of hypoxia on visual function (human).
- PO1EY-00523-13 0011 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Diagnosis of unexplained low visual acuity in children and infants.
- PO1EY-00523-13 0012 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Luminosity in carriers of x-linked disease and anomalous trichromacy (human).
- PO1EY-00523-13 0013 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Color naming in congenital anomalous trichromats (human).
- PO1EY-00523-13 0014 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Increment thresholds (human).
- PO1EY-00523-13 0015 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Electron microscopic studies (human, monkeys).
- PO1EY-00523-13 0016 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Choroidal atrophies (human).
- PO1EY-00523-13 0017 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Toxic retinal effects of chloroquine retinopathy (human).
- PO1EY-00523-13 0018 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Dominant optic atrophy and congenital tritanopia (human).
- PO1EY-00523-13 0019 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Congenital nightblindness studies (human).
- PO1EY-00523-13 0020 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Patients with familial drusen and fundus flavimaculatus.
- PO1EY-00523-13 0021 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Peripheral retinopathies-Natural course and effect of photocoagulation (human).
- PO1EY-00523-13 0022 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Ocular hypertension from scleral suction cup and fluorescein angiography (human).
- PO1EY-00523-13 0023 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Acute pigment epithelitis (human).
- PO1EY-00523-13 0024 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Studies of congenital cataracts-Galactokinase deficiency (human).
- PO1EY-00523-13 0025 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Carriers of blue cone monochromatism (human).
- PO1EY-00523-13 0026 (SRC) NEWELL, FRANK W. Sensory disease clinical research center (eye disorders)-Cone degenerations (human).
- RO1EY-00529-04 (PC) PUTTERMAN, SIDNEY, UNIVERSITY OF WASHINGTON, DEPT OF OPHTHALMOLOGY, RJ-10, SEATTLE, WASH. Studies on visual pigments (chickens).
- RO1EY-00530-12 (VSB) OGDEN, THOMAS E, UNIVERSITY OF UTAH, BLDG 453, DEPT OF NEUROLOGY, SALT LAKE CITY, UTAH. A study of structure and function of retinal neurons (monkeys, cat).
- RO1EY-00533-07 (VISA) KORNZWEIG, ABRAHAM L, THE JEWISH HOME AND HOSP FOR A, 120 WEST 106 STREET, NEW YORK, N. Y. Studies of the macula lutea in the aged eye (human).
- RO1EY-00538-05 (VISA) SMITH, RICHARD S, ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N. Y. Ultrastructural study of ocular vascular permeability (monkeys).
- RO1EY-00539-04 (VSB) STERNHEIM, CHARLES E, DEPT OF PSYCHOLOGY, UNIV OF MARYLAND, COLLEGE PARK, MD. Spatial interactions in human vision.
- RO1EY-00541-05 (VISA) RILEY, MICHAEL V, OAKLAND UNIVERSITY, INST OF BIOLOGICAL SCIENCES, ROCHESTER, MICH. Control of corneal hydration and transparency (rabbits, sheep).
- RO1EY-00544-05 (VIS) LEIBOWITZ, HOWARD M, 80 EAST CONCORD STREET, BOSTON, MASS. Studies in corneal transplantation (human, rabbits).
- RO1EY-00545-04 (VIS) KEEPE, J RICHARD, UNIVERSITY OF VIRGINIA, DEPARTMENT OF ANATOMY, CHARLOTTESVILLE, VA. Cytology of retinal differentiation (chickens, mice, amphibians).
- RO1EY-00548-04 (BBCB) LITMAN, BURTON J, UNIVERSITY OF VIRGINIA, DEPT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Role of macromolecules in photoreceptor membranes.
- RO1EY-00558-04 (VISA) PBLTZ, RICHARD, WILLS EYE INSTITUTE, 1601 SPRING GARDEN STREET, PHILADELPHIA, PA. Cataract and lens deterioration due to maturation (amphibians).
- RO1EY-00561-05 (VIS) WERBLIN, FRANK S, UNIVERSITY OF CALIFORNIA, ELECTRONICS RESEARCH LAB, BERKELEY, CALIF. Intracellular studies of retina function (Nocturus).
- RO1EY-00568-06 (VIS) MICHAEL, CHARLES R, YALE UNIVERSITY SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Neurophysiology of all-cone vision (monkeys, cats).
- RO1EY-00573-12 (EXP) RIBSEN, AUSTIN H, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, RIVERSIDE, CALIF. Vision in special environments-Developmental effects (monkeys, cats, rats).
- RO1EY-00577-10 (VIS) SPRAGUE, JAMES M, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA. Visual behavior-Anatomical and functional basis (cats).
- RO1EY-00589-07 (VSB) ARMINGTON, JOHN C, NORTHEASTERN UNIVERSITY, 360 HUNTINGTON AVE, BOSTON, MASS. Stimulus alternation and visual potentials (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1EY-00590-11 (EXP) POX, ROBERT, VANDERBILT UNIV, 134 WESLEY HALL, NASHVILLE, TENN. Suppression mechanism in binocular rivalry (human).
- RO1EY-00592-06 (VIS) WESTHEIMER, GERALD, UNIVERSITY OF CALIFORNIA, 2549 LIFE SCIENCES BLDG, BERKELEY, CALIF. Oculomotor control (monkeys).
- RO1EY-00594-06 (VIS) LUND, RAYMOND D, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Development and plasticity of visual connections (rats, monkeys, frogs).
- RO1EY-00597-05 (VIS) POLLIN, DANIEL A, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Spatial selectivity in non-striate visual cortices (primates, cats).
- RO1EY-00598-06 (VIS) ROBINSON, DAVID A, JOHNS HOPKINS MEDICAL SCHOOL, 601 N BROADWAY, BALTIMORE, MD. Oculomotor control system (primates, cats).
- RO1EY-00599-05 (VIS) COWAN, W MAXWELL, WASHINGTON UNIV, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Morphological studies of the visual system (animals).
- RO1EY-00603-15 (VIS) HUBEL, DAVID H, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Organization of visual system (cats, monkeys).
- RO1EY-00606-10 (VIS) WIESEL, TORSTEN N, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Visual system (cats, monkeys).
- RO1EY-00607-09 (VIS) GIOLLI, ROLAND A, UNIVERSITY OF CALIFORNIA, DEPT OF ANATOMY, IRVINE, CALIF. Visual and non-visual cortical efferents (rabbits).
- RO1EY-00613-04 (VIS) HENKIND, PAUL, MONTEFIORE HOSPITAL & MED CTR, 111 EAST 210 STREET, BRONX, N Y. Retinal pathology and circulation (human, rats).
- RO1EY-00616-03 (VIS) THOMAS, EDWARD R, JR, EYE RESEARCH FDN OF BETHESDA, 8710 OLD GEORGETOWN ROAD, BETHESDA, MD. Diagnosis and etiology of intra-ocular tumor (human, rabbits).
- RO1EY-00621-04 (VIS) PEARLMAN, ALAN L, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Functional organization of the visual system (mice).
- RO1EY-00624-04 (VIS) HOLLYFIELD, JOE G, 630 WEST 168TH STREET, NEW YORK, N Y. Experimental analysis of retinal development (amphibians).
- RO1EY-00625-03 (VIS) VAN HORN, DIANE L, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH FIFTEENTH STREET, MILWAUKEE, WIS. Electron microscopy of stored and preserved corneas (human, rabbits).
- RO1EY-00631-04 (VIS) HAYES, KENNETH C, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Nutritional retinal degeneration in cats.
- RO1EY-00634-04 (VIS) BRUBAKER, RICHARD F, MAYO FOUNDATION, 200 FIRST STREET, S W, ROCHESTER, MINN. Pathology of the blood-aqueous barrier (monkeys).
- RO1EY-00643-02 (SSS) BRADLEY, ROBERT F, ELLIOTT P JOSLIN RESEARCH LAB, 170 PILGRIM ROAD, BOSTON, MASS. Collaborative diabetic retinopathy study (human).
- RO1EY-00644-01 (SSS) MC BEEL, J WALLACE, 100 CHARLES RIVER PLAZA, CAMBRIDGE STREET, BOSTON, MASS. Collaborative study of diabetic retinopathy (human).
- RO1EY-00650-01 (SSS) STRAATSMAN, BRADLEY R, UCLA CENTER FOR THE HEALTH SCI, JULES STEIN EYE INSTITUTE, LOS ANGELES, CALIF. Collaborative diabetic retinopathy study (human).
- RO1EY-00667-04 (VIS) BARLOW, ROBERT B, JR, LAB OF SENSORY COMMUNICATION, 821 UNIVERSITY AVENUE, SYRACUSE, N Y. Functional organization of the visual system (horseshoe crabs).
- RO1EY-00669-03 (VIS) PETTIT, THOMAS H, UCLA CENTER FOR THE HEALTH SCI, JULES STEIN EYE INSTITUTE, LOS ANGELES, CALIF. Experimental allergic uveitis and autoimmune disease (guinea pigs).
- RO1EY-00673-04 (BIBC) BLASIE, J KENT, UNIVERSITY OF PENNSYLVANIA, JOHNSON RESEARCH FOUNDATION, PHILADELPHIA, PA. Structure and function of membranes involved in vision (fish, frogs, cattle).
- RO1EY-00674-03 (BA) FORSTER, RICHARD K, BASCOM PALMER EYE INSTITUTE, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Diagnosis and management of Fusarium keratomycoses (monkeys).
- RO1EY-00675-04 (VIS) ZIMMERMAN, WILLIAM F, DEPT OF BIOLOGY, AMHERST COLLEGE, AMHERST, MASS. Biochemistry of visual cell renewal and visual cycle (rats).
- RO1EY-00676-04 (VIS) SCHILLER, PETER H, MASSACHUSETTS INST OF TECH, E10-120, DEPT OF PSYCHOLOGY, CAMBRIDGE, MASS. Interaction between eye movement and vision (monkeys).
- RO1EY-00677-03 (VIS) SPAETH, GEORGE L, WILLS EYE HOSPITAL, 1601 SPRING GARDEN STREET, PHILADELPHIA, PA. Prevention of visual loss in glaucoma patients (human).
- RO1EY-00680-03 (EXP) BROWN, JOHN L, UNIVERSITY OF ROCHESTER, CTR FOR VISUAL SCIENCE, ROCHESTER, N Y. Vision-Spatial, temporal and adapting effects (cats, human, monkeys).
- RO1EY-00681-04 (VIS) COPELAND, DONALD E, TULANE UNIVERSITY, 6823 ST CHARLES AVENUE, NEW ORLEANS, LA. Fine structure of oxygen elevating tissues of eye (fish).
- RO1EY-00683-04 (VIS) LADMAN, AABON J, UNIVERSITY OF NEW MEXICO, BASIC MED SCI BLDG N CAMPUS, ALBUQUERQUE, N MEX. Cytology, cytochemistry and synapses of dog retina.
- RO1EY-00684-04 (VIS) RUSHTON, WILLIAM A H, FLORIDA STATE UNIVERSITY, INSTITUTE OF MOLECULAR BIOPHYS, TALLAHASSEE, FLA. Transmission of signals through human retina.
- RO1EY-00686-04 (CMS) COLLINS, CARTER C, SMITH-KETTELWELL INSTITUTE, 2232 WEBSTER STREET, SAN FRANCISCO, CALIF. Portable seeing aid.
- RO1EY-00691-14 (NEUA) CHOW, KAO L, STANFORD UNIVERSITY MED CENTER, DEPARTMENT OF NEUROLOGY, STANFORD, CALIF. Neurology of learning and vision (cats, rabbits, rats).
- RO1EY-00692-04 (VIS) ARNALL, MANSOUR F, GEORGE WASHINGTON UNIV MED CTR, 2150 PENNSYLVANIA AVENUE, N W, WASHINGTON, D C. Comparative study of glaucoma (monkeys, cats).
- RO1EY-00698-04 (VIS) RAFFERTY, NANCY S, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. Etiology of cataract (frogs, mice).
- RO1EY-00699-04 (VIS) ANDERSON, ETHEL I, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Intermediary metabolism of the cornea (rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1EY-00701-02 (VIS) WINTERS, RAY W, UNIVERSITY OF MIAMI, P O BOX 8185 DEPT OF PSYCH, CORAL GABLES, FLA. Single cell studies in optic tract (cats).
- RO1EY-00703-04 (VISA) COTLER, EDWARD, UNIVERSITY OF ILLINOIS, 1855 W TAYLOR STREET, CHICAGO, ILL. Biochemical studies in normal and cataractous lenses (human, rabbits).
- RO1EY-00704-04 (VIS) HELLER, JORAM, JULES STEIN EYE INSTITUTE, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Biochemical and biophysical investigation of rhodopsin.
- RO1EY-00715-04 (VIS) FEENEY, LYNETTE, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Synthesis and phagocytosis in ocular neuroepithelia (human, cattle).
- RO1EY-00718-04 (VISA) SCOTT, WALTER N, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUES, NEW YORK, N Y. Ocular carbonic anhydrase (toads, rabbits).
- RO1EY-00725-03 (VIS) POOS, ROBERT Y, DEPT OF PATHOLOGY, UNIV OF CALIF, LOS ANGELES, CALIF. Proliferative vitreoretinopathy ultrastructure (human, guinea pigs).
- RO1EY-00727-04 (VISA) FISCHBARG, JORGE, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Corneal transparency and active transport mechanisms (rabbits).
- RO1EY-00729-04 (BIBC) HUBBELL, WAYNE L, UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, BERKELEY, CALIF. Molecular basis of membrane excitation (model system, cattle).
- RO1EY-00735-04 (EXP) HODOS, WILLIAM, UNIVERSITY OF MARYLAND, DEPARTMENT OF PSYCHOLOGY, COLLEGE PARK, MD. Behavioral analysis of visual system evolution (pigeons).
- RO1EY-00742-03 (VIS) RICHARDS, WHITMAN A, MASSACHUSETTS INST OF TECH, DEPT OF PSYCHOLOGY, CAMBRIDGE, MASS. Studies of binocular vision (human, cats).
- RO1EY-00744-03 (VIS) RIGGS, LORRIN A, BROWN UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, PROVIDENCE, R I. Human visual responses in retina and cortex.
- RO1EY-00745-03 (VIS) FUCHS, ALBERT F, UNIVERSITY OF WASHINGTON, DEPT OF PHYSIOLOGY & BIOPHYSIC, SEATTLE, WASH. Neurophysiological studies of the oculomotor system (monkeys).
- RO1EY-00752-03 (VIS) REINECKE, ROBERT D, ALBANY MEDICAL COLLEGE, DEPARTMENT OF OPHTHALMOLOGY, ALBANY, N Y. Stereopsis and microtropia in amblyopia pathogenesis (human).
- RO1EY-00753-02 (VIS) BURNS, ROBERT P, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Biochemical cytology of metabolic eye diseases (rats).
- RO1EY-00756-03 (EXP) SCHILLER, PETER H, MASSACHUSETTS INST OF TECH, DEPARTMENT OF PSYCHOLOGY, CAMBRIDGE, MASS. Neuropsychological studies of the superior colliculus (monkeys).
- RO1EY-00759-03 (VIS) SPECTOR, ABRAHAM, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Aging and the ocular lens (cattle).
- RO1EY-00762-06 (VIS) BROWN, HAROLD H, UNIV OF UTAH COLLEGE OF MEDIC, BUILDING 520, SALT LAKE CITY, UTAH. Transduction mechanism of photoreceptors (barnacles).
- RO1EY-00764-03 (VIS) MILLER, WILLIAM H, YALE UNIV SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Transduction and neural mechanisms in the retina (horseshoe crabs).
- RO1EY-00771-03 (VIS) OYSTER, CLYDE W, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Neurophysiology of optokinetic nystagmus (rabbits).
- RO1EY-00772-03 (VIS) BAUM, JULES L, NEW ENGLAND MED CENTER HOSPS, 171 HARRISON AVENUE, BOSTON, MASS. Histochemistry of corneal disease in tissue culture.
- RO1EY-00775-03 (VIS) SAWICKI, LEON, NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AT 106TH STREET, NEW YORK, N Y. Ocular Herpes simplex keratitis (rabbits).
- RO1EY-00776-03 (VIS) WHITTAKER, J RICHARD, THE WISTAR INSTITUTE, 36TH STREET AT SPRUCE, PHILADELPHIA, PA. Melanotic differentiation of eye pigment epithelium (chick embryo).
- RO1EY-00777-03 (VIS) CHAPPELL, RICHARD L, HUNTER COLLEGE OF CITY UNIV, 695 PARK AVENUE, NEW YORK, N Y. Neural interactions of the retina (dragonflies).
- RO1EY-00784-03 (VIS) MOTE, MICHAEL I, TEMPLE UNIVERSITY, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Cellular basis of visual integration (arthropods, crustaceans).
- PO1EY-00785-06 (VSN) SEARS, MARVIN L, YALE UNIV SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Vision research center.
- PO1EY-00785-03 0001 (VSN) MILLER, WILLIAM H. Vision research center-Transduction mechanisms and visual processes (Limulus).
- PO1EY-00785-06 0002 (VSN) HOWARD, RUFUS O. Vision research center-Toxicity of drugs.
- PO1EY-00785-03 0003 (VSN) HOWARD, RUFUS O. Vision research center-Drugs and oculocutaneous albinism (human).
- PO1EY-00785-03 0004 (VSN) BERNARD, G D. Vision research center-Glare reduction in ophthalmic instruments.
- PO1EY-00785-03 0005 (VSN) ZADUNAISKY, JOSE A. Vision research center-Hormones and ocular transparency and secretion.
- PO1EY-00785-03 0006 (VSN) REID, TED. Vision research center-RNA dependent DNA polymerase in ocular tumors (human, animals).
- RO1EY-00786-03 (PC) ORTWERTH, BERYL J, UNIV OF MISSOURI MEDICAL CTR, DEPT OF OPHTHALMOLOGY, COLUMBIA, MO. Role of tRNA in control of protein synthesis in lens (cattle, rats, rabbits).
- RO1EY-00788-02 (VIS) MAKOUS, WALTER L, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PSYCHOLOGY, SEATTLE, WASH. Duplicity theory and the Stiles-Crawford effect (human).
- RO1EY-00789-03 (VIS) SADOGLU, FERHAN, BROWN UNIVERSITY, BOX G, PROVIDENCE, R I. Eye development (fish).
- RO1EY-00790-03 (VIS) TS'O, MARK O, ARMED FORCES INST OF PATH, OPHTHALMIC PATHOLOGY BRANCH, WASHINGTON, D C. Pathology of retinal dysfunction (human, monkeys).
- RO1EY-00791-03 (VISA) VAN HEUVEN, WICHARD A, ALBANY MED COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N Y. Development of system to study ocular vascular dynamics (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1EY-00792-03 (VIS) ERNEST, J TERRY, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Factors affecting optic papilla oxygenation (cats, primates).
- RO1EY-00794-01 (VISA) TSAPOGAS, MAKIS J, ALBANY MEDICINE COLLEGE, NEW SCOTLAND AVENUE, ALBANY, N Y. Thrombolytic therapy in retinal vascular occlusion (human).
- RO1EY-00797-03 (VIS) BENEDEK, GEORGE B, MASSACHUSETTS INST OF TECH, DEPARTMENT OF PHYSICS, CAMBRIDGE, MASS. Physical and chemical basis of lens opacity (mice).
- RO1EY-00799-03 (VIS) HOGAN, MICHAEL J, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVE, SAN FRANCISCO, CALIF. Ocular dystrophies and extraocular muscles (human, cats).
- RO1EY-00800-03 (VISB) KANDEL, GILLRAY L, PSYCHOLOGY DEPT, RENSSELAER POLYTECHNIC INST, TROY, N Y. Photopic and scotopic vision of strabismic amblyopia (human).
- RO1EY-00810-01 (VISA) JACOBSON, BERNARD J, BOSTON BIOMEDICAL RES INST, 20 STANFORD STREET, BOSTON, MASS. Role of hyalocytes in the vitreous (cattle).
- RO1EY-00811-03 (NEUB) DOWLING, JOHN E, HARVARD COLLEGE, 16 DIVINITY AVE, CAMBRIDGE, MASS. Anatomy of the visual system (animals).
- RO1EY-00812-10 (VISA) NICHOLS, ROGER L, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Prevention of trachoma and infectious diseases (human, guinea pigs, monkeys).
- RO1EY-00813-04 (BIO) CARPENTER, FREDERICK H, UNIVERSITY OF CALIFORNIA, 401 BIOCHEMISTRY BUILDING, BERKELEY, CALIF. Mechanism of leucine aminopeptidase (cattle).
- RO1EY-00824-04 (NEUB) DOWLING, JOHN E, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Structure and function of vertebrate visual systems (animals).
- RO1EY-00827-01 (VISA) RECORDS, RAYMOND E, UNIVERSITY OF NEBRASKA, OMAHA, NEBR. Neovascular macular disease—Pathogenesis and therapy (human).
- RO1EY-00828-03 (VIS) STERLING, PETER, UNIVERSITY OF PENNSYLVANIA, DEPT OF ANATOMY, PHILADELPHIA, PA. Anatomy and physiology of visuomotor systems (cats, fish).
- RO1EY-00834-03 (VIS) BROWN, JOEL E, VANDERBILT UNIVERSITY, DEPARTMENT OF ANATOMY, NASHVILLE, TENN. Visual receptor potentials (limulus).
- RO1EY-00835-03 (VISB) BROWN, JOEL E, VANDERBILT UNIVERSITY, DEPT OF ANATOMY, NASHVILLE, TENN. Anatomy and physiology of vision (arthropods).
- RO1EY-00840-03 (VIS) TOKUMARU, TADASU, COLUMBIA UNIVERSITY, 635 W 165TH ST, NEW YORK, NY. Loss of vision due to corneal inflammation (human).
- RO1EY-00841-03 (VIS) MACHEMER, ROBERT, BASCOM PALMER EYE INSTITUTE, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Vitrectomy through the pars plana (human).
- RO1EY-00844-03 (VIS) MILLER, ROBERT F, FACULTY OF HEALTH SCIENCES, 2211 MAIN ST, BUFFALO, N Y. Glial contributions to retinal function (amphibians, rabbits).
- RO1EY-00847-03 (VISB) FLEISCHMAN, DARRELL E, 150 EAST SOUTH COLLEGE STREET, YELLOW SPRINGS, OHIO. Cyclic nucleotides in visual transduction (crayfish).
- RO1EY-00848-03 (VIS) BARMACK, NEAL H, GOOD SAMARITAN HOSP & MED CTR, 1015 N W 22ND AVENUE, PORTLAND, OREG 97210. Motoneuron and motor unit control of eye movements (monkeys, cats).
- RO1EY-00858-01 (VISA) NESBURN, ANTHONY B, ESTELLE DOHNEY EYE FDN LAB, 272 SOUTH LAKE STREET, LOS ANGELES, CALIF. Herpes simplex of the eye—Pathogenesis and treatment (human, rabbits).
- RO1EY-00863-03 (VIS) GREEN, KEITH, MEDICAL COLLEGE OF GEORGIA, 1459 GWINNETT STREET, AUGUSTA, GA. Neurohumoral control of intraocular pressure (rabbits).
- RO1EY-00871-03 (VIS) ANDERSON, ROBERT E, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Retina—The metabolism of polyunsaturated fatty acids (rats).
- RO1EY-00873-01 (VISA) MAKMAN, MAYNARD H, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Role of cyclic AMP in lens maturation and disease (human, calves and rats).
- RO1EY-00874-03 (VIS) VAJNISI, SAMUEL J, UNIVERSITY OF ILLINOIS, 1855 W TAYLOR, CHICAGO, ILL. Studies of ophthalmic diseases (dogs, primates, deer).
- RO1EY-00875-03 (BBCA) BECKER, RALPH S, UNIVERSITY OF HOUSTON, 3801 CULLEN BOULEVARD, HOUSTON, TEX. Spectra, theory and photochemistry of vision pigments.
- RO1EY-00885-02 (VIS) FRICKER, STEPHEN J, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. Correlation analysis of eye motion, ERG and VER (human).
- RO1EY-00886-01 (VISA) BECKMAN, HUGH, SINAI HOSPITAL, 6767 WEST OUTER DRIVE, DETROIT, MICH. Laser glaucoma surgery (human, animals).
- RO1EY-00887-03 (VIS) MARAK, GEORGE E, JR, GEORGETOWN UNIVERSITY HOSPITAL, 3800 RESERVOIR ROAD N W, WASHINGTON, D C. Pathogenesis of lens-induced uveitis (human, mice).
- RO1EY-00888-03 (VIS) FISHER, STEVEN K, UNIV OF CALIF, DEPT OF BIOLOGICAL SCIENCES, SANTA BARBARA, CALIF. The developing and adult visual system (human, animals).
- RO1EY-00891-03 (VIS) FRAUNFELDER, FREDERICK T, UNIV OF ARKANSAS SCH OF MED, 4301 W MARKHAM STREET, LITTLE ROCK, ARK. Treatment of intraocular tumors (human, cattle).
- RO1EY-00892-02 (VIS) KORS, KEBBIT K, SCHOOL OF OPTOMETRY, UNIV OF CALIFORNIA, BERKELEY, CALIF. Dynamic fracture studies of ophthalmic lenses.
- RO1EY-00896-03 (VIS) PORTNEY, GERALD L, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Mathematical analysis of the optic nerve head (human).
- RO1EY-00898-03 (VISB) NAKA, KEN-ICHI, CALIFORNIA INST OF TECHNOLOGY, 1201 E CALIFORNIA ST, PASADENA, CALIF. Function of neuron networks in vertebrate visual system (catfish).
- RO1EY-00901-01 (VISB) POKORNY, JOEL M, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Psychophysical studies of color-defective observers (human).
- RO1EY-00902-10 (VIS) PATTERSON, JOHN W, UNIVERSITY OF CONNECTICUT, SCHOOL OF MEDICINE, HARTFORD, CONN. Experimental cataracts (rats).
- RO1EY-00904-02 (VIS) BAYLOR, DENIS A, UNIV OF COLORADO MEDICAL CENTE, 4200 E 9TH AVENUE, DENVER, COLO. Neural signalling in the retina (turtle).
- RO1EY-00906-03 (VIS) WIERSMA, C A, CALIFORNIA INSTITUTE OF TECH, DIVISION OF BIOLOGY, PASADENA, CALIF. Integration in the visual system (Decapods).
- RO1EY-00907-01 (VISB) COOL, STEVEN J, TEXAS MEDICAL CENTER, 6420 LAMAR FLEMING BLVD, HOUSTON, TEX. Correlates of binocular visual stimulation (cats).
- RO1EY-00906-03 (VIS) SCALIA, FRANK, DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N Y. Anatomical correlates of subcortical visual function (animals).
- RO1EY-00913-02 (EXP) MURCH, GERALD M, PORTLAND STATE UNIVERSITY, POST OFFICE, BOX 751, PORTLAND, OREG. McCollough effect—Color vision and shape perception (human).
- RO1EY-00915-03 (VIS) MAURICE, DAVID M, STANFORD UNIVERSITY SCH OF MED, DEPT OF SURGERY/OPHTHALMOLOGY, STANFORD, CALIF. Transport processes across the corneal epithelium (human, monkey, rabbits).
- RO1EY-00917-03 (VIS) KREHBIEL, JANVER D, MICHIGAN STATE UNIVERSITY, DEPT OF PATHOLOGY, EAST LANSING, MICH. An avian model for the comparative study of cataracts (quail).
- RO1EY-00918-02 (VISB) LIU, ROBERT S, 2545 THE MALL, HONOLULU, HAWAII. New geometric isomers of vitamin A and carotene.
- RO1EY-00919-03 (TMAP) OLSON, LEROY J, UNIV OF TEXAS MED BRANCH, DEPARTMENT OF MICROBIOLOGY, GALVESTON, TEX. Pathogenesis of ocular toxocarasis (mice, rabbits).
- RO1EY-00926-01 (VISB) SOKOL, SAMUEL, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. ERG and VECP as indices of photopic dysfunction (human).
- RO1EY-00927-03 (VIS) BAKER, FRANK H, JOHNS HOPKINS UNIV MEDICAL SCH, 601 N BROADWAY, BALTIMORE, MD. Properties of the cortico-geniculate projection (monkeys).
- RO1EY-00929-03 (VIS) ABPLANALP, PAUL L, PENNSYLVANIA STATE UNIVERSITY, 115 LIFE SCIENCE I, UNIVERSITY PARK, PA. Neural organization of the visual system (squirrels, shrews, cats).
- RO1EY-00930-03 (BBCA) WAGGONER, ALAN S, AMHERST COLLEGE, DEPT OF CHEMISTRY, AMHERST, MASS. Early molecular events in visual excitation.
- RO1EY-00931-03 (EXP) FOX, ROBERT, VANDERBILT UNIVERSITY, DEPT OF PSYCHOLOGY, NASHVILLE, TENN. Stereoscopic vision in animals (cat, falcon).
- RO1EY-00922-02 (MBY) REED, DAN W, CHARLES F KETTERING RES LAB, 150 EAST S COLLEGE ST, YELLOW SPRINGS, OHIO. Molecular organization in rod outer-segment membranes (cattle).
- RO1EY-00932-02 (VISA) EDELHAUSER, HENRY P, MED COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Pathogenesis of corneal edema after cataract surgery (human, monkeys, rabbits).
- RO1EY-00936-01 (VIS) SCHWARTZ, BERNARD, NEW ENGLAND MED CTR HOSPITALS, 171 HARRISON AVE, BOSTON, MASS. Changes in the optic disc in patients with glaucoma.
- RO1EY-00938-03 (VR) MONJAN, ANDREW A, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Ocular disease of viral etiology (mice, rats).
- RO1EY-00943-03 (VIS) NEUFELD, ARTHUR H, YALE UNIVERSITY, 310 CEDAR STREET, NEW HAVEN, CONN. The role of calcium in visual excitation (cattle).
- RO1EY-00943-03 (VIS) RYAN, STEPHEN J, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. An experimental approach to maculopathy (primates).
- RO1EY-00945-03 (VIS) WOODS, WENDELL D, EMORY UNIVERSITY, LAB FOR OPHTHALMIC RESEARCH, ATLANTA, GA. Biochemical regulation in ocular tissues (rabbits).
- RO1EY-00952-03 (CBY) CONRAD, GARY W, KANSAS STATE UNIVERSITY, DIVISION OF BIOLOGY, MANHATTAN, KANS. Fibroblast differentiation during corneal development (chick embryo).
- RO1EY-00933-03 (VIS) BERKLEY, MARK A, FLORIDA STATE UNIVERSITY, DEPT OF PSYCHOLOGY, TALLAHASSEE, FLA. Selective mechanisms in vision (human, cats).
- RO1EY-00955-03 (NEUA) KELLER, EDWARD L, UNIVERSITY OF CALIFORNIA, ELECTRONICS RES LAB, BERKELEY, CALIF. Alert primata oculomotor system.
- RO1EY-00956-03 (CMS) DENNEY, DUANE D, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Tin effects on orientation selectivity of visual cells (cats).
- RO1EY-00962-02 (VIS) GUILLERY, RAINER W, UNIVERSITY OF WISCONSIN, 1255 LINDEN DRIVE, MADISON, WIS. Abnormalities in visual pathways (cats, rabbits, mink).
- RO1EY-00964-01 (VISA) OH, JANG O, UNIVERSITY OF CALIFORNIA, PARNASSUS & THRD AVENUES, SAN FRANCISCO, CALIF. Recurrent herpes simplex uveitis (rabbits, guinea pigs).
- RO1EY-00966-02 (VISA) MANDELL, ROBERT B, UNIVERSITY OF CALIFORNIA, SCHOOL OF OPTOMETRY, BERKELEY, CALIF. Corneal effects of flexible contact lenses (human).
- RO1EY-00969-02 (VIS) YANKIELOV, JOHN A, JR, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Covalent control of cornea-damaging collagenase (frogs, bacteria).
- RO1EY-00973-02 (VIS) PROENZA, LUIS M, UNIVERSITY OF GEORGIA, DEPT OF PSYCHOLOGY, ATHENS, GA. Electrophysiology of retinal amacrine cells in vision (mud puppies).
- RO1EY-00976-02 (VIS) FINE, STUART L, JOHNS HOPKINS HOSPITAL, WILMER INST, 601 N BROADWAY, BALTIMORE, MD. Clinicogenetic studies of Best's macular dystrophy (human).
- RO1EY-00979-02 (EXP) HERSHBERGER, WAYNE A, NORTHERN ILLINOIS UNIVERSITY, DEPT OF PSYCHOLOGY, DEKALB, ILL. Motion parallax in simulated retinal projections (human).
- RO1EY-00903-02 (BBCA) KLUGER, DAVID S, UNIVERSITY OF CALIFORNIA, DIV OF NATURAL SCIS II, SANTA CRUZ, CALIF. The bleaching stages of rhodopsin.
- RO1EY-00988-02 (VISA) LEMP, MICHAEL A, GEORGETOWN UNIVERSITY, 3800 RESERVOIR ROAD, N W, WASHINGTON, D C. Studies of the break up of the tear film (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

ROLEY-00998-02 (VIS) DUBIN, MARK W, UNIVERSITY OF COLORADO, MOLECULAR, CELLULAR & DEV BIOL, BOULDER, COLO. Receptive field organization in visual system (cats).

ROLEY-00999-01 (VISA) DONALDSON, DAVID D, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. Ophthalmic instrumentation research (human).

ROLEY-01002-02 (VIS) ZWAAN, JOHAN J, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Development and growth of the lens (mice, chickens).

ROLEY-01007-01 (VIS) DE VENECIA, GUILLERMO, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. The eye in malignant hypertension (human, monkeys).

ROLEY-01008-02 (VIS) PATZ, ARNOLD, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Studies of retinal ischemia (human, monkeys).

ROLEY-01010-02 (BM) DAVIS, STARKEY D, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Chemotherapy of experimental Pseudomonas keratitis (rabbits).

ROLEY-01012-02 (VIS) WHITE, RICHARD H, UNIVERSITY OF MASSACHUSETTS, 100 ARLINGTON STREET, BOSTON, MASS. Physiology of larval mosquito photoreceptors.

ROLEY-01018-02 (VIS) KAISERMAN-ABRAMOFF, ITA R, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Structure and development of the visual system (mice, human).

ROLEY-01019-02 (VIS) FARRRELL, RICHARD A, JOHNS HOPKINS UNIVERSITY, 8621 GEORGIA AVENUE, SILVER SPRING, MD. Light scattering and ultrastructural studies of the cornea (rabbits).

ROLEY-01030-01 (VISA) SWANN, DAVID A, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Chemistry and biology of vitreous structural proteins (human, cow, rabbit).

ROLEY-01031-01 (VISB) CRANE, HEWITT D, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Experimental study of visual accommodation.

ROLEY-01034-01 (SRC) BERROCAL, JOSE A, 303 DE DIEGO AVE, SANTURCE, PUERTO RICO. Collaborative study of diabetic retinopathy (human).

ROLEY-01037-01 (SRC) MARGHERIO, RAYMOND R, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. Collaborative diabetic retinopathy study (human).

ROLEY-01044-01 (SRC) LONG, RUTH S, 1249 FIFTH AVENUE, NEW YORK, N Y, NEW YORK, N Y. Collaborative study of diabetic retinopathy (human).

ROLEY-01047-01 (VISA) LEE, PEI-FEI, ALBANY MEDICAL COLLEGE, DEPT OF OPHTHALMOLOGY, ALBANY, N Y. A new laser-based surgical procedure for treatment of glaucoma (monkeys, human).

ROLEY-01049-02 (VIS) SKAVENSKI, ALEXANDER A, NORTHEASTERN UNIVERSITY, PSYCHOLOGY DEPARTMENT, BOSTON, MASS. Eye-position information processed in frontal cortex (monkeys).

ROLEY-01051-01 (VISB) NODA, HIROHARU, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Neuronal basis of visual perception in eye movements (primates).

ROLEY-01055-02 (VISB) KERTESZ, ANDREW E, NORTHWESTERN UNIVERSITY, DEPT OF ELECTRICAL ENGINEERING, EVANSTON, ILL. Functional aspects of Panum's foveal areas (human).

ROLEY-01056-02 (BBCA) RICE, STUART A, UNIVERSITY OF CHICAGO, 5640 ELLIS AVENUE, CHICAGO, ILL. Visual pigment models—Photochemical studies.

ROLEY-01060-04 (NTN) BUNCE, GEORGE E, VIRGINIA POLYTECHNIC INSTITUTE, DEPT OF BIOCHEM & NUTRITION, BLACKSBURG, VA. Cataract from a vegetable protein-based diet (rats).

ROLEY-01063-02 (VISB) WITKOVSKY, PAUL, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Correlation of structure and function in retina (dogfish).

ROLEY-01065-01 (VISA) AZARI, PARVIZ, COLORADO STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, FORT COLLINS, COLO. Biochemical investigation of a hereditary cataract (rats).

ROLEY-01066-02 (BM) MONTGOMERIE, JOHN Z, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Candida albicans hematomagenous endophthalmitis (rabbits).

ROLEY-01067-02 (VISA) BLOUGH, HERBERT A, PRESBY UNIV OF PENNSYLVANIA, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Surface chemistry of the cornea (human, rabbits, cattle).

ROLEY-01070-01 (VISB) STRYER, LUBERT, BOX 1937 YALE STATION, YALE UNIVERSITY, NEW HAVEN, CONN. Conformational aspects of visual excitation (mammals).

ROLEY-01071-02 (VISB) HIBBARD, EMERSON, PENNSYLVANIA STATE UNIVERSITY, 208 LIFE SCIENCES BLDG I, UNIVERSITY PARK, PA. Visual restoration (salamanders).

ROLEY-01074-02 (VISB) BAKER, ROBERT G, UNIVERSITY OF IOWA, DEPT OF PHYSIOLOGY & BIOPHYSIC, IOWA CITY, IOWA. Eye movement—Physiological organization (cats).

ROLEY-01075-01 (VISB) MASLAND, RICHARD H, MASSACHUSETTS GENERAL HOSPITAL, WARREN 4, BOSTON, MASS. Neurotransmission in the mammalian retina (rabbits).

ROLEY-01076-02 (VISA) COMAN, BRUCE E, UNIV OF MICHIGAN, DEPT OF OPHTHALMOLOGY, ANN ARBOR, MICH. Human optic disc laser contour angiograms in glaucoma (human).

ROLEY-01078-02 (VISA) APPLE, DAVID J, UNIVERSITY OF ILLINOIS, 1855 WEST TAYLOR STREET, CHICAGO, ILL. Experimental argon laser photocoagulation (primates).

ROLEY-01079-01 (VISB) RUBIN, MELVIN L, UNIVERSITY OF FLORIDA, DEPT OF OPHTHALMOLOGY, GAINESVILLE, FLA. Clinical aspects of the transcleral VER (human).

ROLEY-01080-02 (VISA) PSCHIBARG, JORGE, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Bioelectrical properties of corneal endothelium.

ROLEY-01081-01 (VISB) WATKINS, W DAVID, UNIV OF COLORADO SCH OF MED, 4200 EAST 9TH AVENUE, DENVER, COLO. Enzymes of vision—Vitamin A metabolism (human, rat, cow, monkey).

ROLEY-01085-02 (VISB) NORTON, THOMAS T, DUKE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, DURHAM, N C. Neural mechanisms of developing vision (cats, shrew).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

ROLEY-01086-02 (VISB) LUND, JENNIFER S, UNIVERSITY OF WASHINGTON, DEPT OF OPHTHALMOLOGY SN-10, SEATTLE, WASH. Structure and development of visual cortex (primates).

ROLEY-01092-02 (VIS) SWARTZ, JEAN G, GEORGE WASH UNIV SCH OF MED, 2150 PENNSYLVANIA, N W, WASHINGTON, D C. Biosynthesis of retinal phospholipids (rats).

ROLEY-01098-02 (VISA) GASSET, ANTONIO R, UNIVERSITY OF FLORIDA, DEPARTMENT OF OPHTHALMOLOGY, GAINESVILLE, FLA. Teratogenic and toxic effects of ophthalmic drugs (rats).

ROLEY-01108-01 (VISA) BILLHORN, ROY W, MONTEFIORE HOSPITAL, 111 E 210TH STREET, BRONX, N Y. Vascular role in experimental retinopathies (rats).

ROLEY-01104-02 (BM) KREGER, ARNOLD S, BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF MICROBIOLOGY, WINSTON-SALEM, N C. Pathogenesis of Pseudomonas corneal infection (rabbits).

ROLEY-01107-02 (VISA) FREYMAN, GHOLAM A, UNIV OF ILLINOIS EYE & EAR INF, 1855 WEST TAYLOR STREET, CHICAGO, ILL. Intravitreal surgery techniques (human, monkeys, rabbits).

ROLEY-01112-02 (VISA) GASSET, ANTONIO R, UNIV OF FLORIDA, DEPT OF OPHTHALMOLOGY, GAINESVILLE, FLA. Thermokeratoplasty (rabbits, human).

ROLEY-01117-02 (NEUA) FREEMAN, JOHN A, VANDERBILT UNIVERSITY, DEPARTMENT OF ANATOMY, NASHVILLE, TENN. Optic tectum—A combined structural and functional study (frogs).

ROLEY-01119-02 (SSS) LEVENE, RALPH Z, EYE FOUNDATION HOSPITAL, 1720 8TH AVENUE SOUTH, BIRMINGHAM, ALA. Pathogenesis of primary open angle glaucoma (human, mammals, nonhuman).

ROLEY-01120-02 (VIS) VON NOORDEN, GUNTER K, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Clinical and laboratory studies of amblyopia (monkeys).

ROLEY-01121-01 (VISA) SMOLIN, GILBERT, UNIVERSITY OF CALIFORNIA, FRANCIS I PROCTOR FOUNDATION, SAN FRANCISCO, CALIF. The afferent arc of corneal immunologic reaction (rabbits).

ROLEY-01122-01 (VISB) MURPHY, ELIZABETH H, UNIVERSITY OF CHICAGO, 5848 SOUTH UNIVERSITY, CHICAGO, ILL. Development of the mammalian visual system (cats).

ROLEY-01135-01 (EXP) MACK, ARIEN, NEW SCHOOL FOR SOCIAL RESEARCH, 66 WEST 12TH STREET, NEW YORK, N Y. Perception during pursuit eye movements (human).

ROLEY-01138-02 (VISA) BORKMAN, RAYMOND F, GEORGIA INST OF TECHNOLOGY, SCHOOL OF CHEMISTRY, ATLANTA, GA. Spectroscopic characterization of human lenses (and rabbits).

ROLEY-01139-01 (VISB) HAERWERTH, RONALD S, UNIVERSITY OF HOUSTON, 3801 CULLEN BOULEVARD, HOUSTON, TEXAS. Behavioral measures of binocular vision (man, monkeys).

ROLEY-01140-02 (VISB) BERNARD, GARY D, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Optical information processing in eyes (insects, spiders).

ROLEY-01149-02 (VISB) LETTVIN, JEROME Y, MASSACHUSETTS INST-TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Physiology and psychology of vision (anurans).

ROLEY-01150-01 (TMP) BRAMMER, JAMMIE D, UNIVERSITY OF VERMONT, MARSH LIFE SCIENCE BUILDING, BURLINGTON, VT. Vitamin A and photoreception in insect visual systems.

ROLEY-01155-02 (VISB) NOLTE, JOHN F, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Photoreceptor interactions (lobsters).

ROLEY-01156-01 (VISA) FU, S JOSEPH, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N J. Progression of cataractogenesis and possible reversal (human, rats).

ROLEY-01157-01 (VISB) GORMAN, ANTHONY L, BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. Ionic and metabolic basis of visual response (mollusks, amphibians).

ROLEY-01162-01 (VISA) WELCH, ASHLEY J, UNIVERSITY OF TEXAS, ENGINEERING SCIENCE BUILDING, AUSTIN, TEX. Ocular damage due to retinal temperature rise (rabbits, monkeys).

ROLEY-01163-02 (VISA) TSO, MARK O, ARMED FORCES INST OF PATHOLOGY, OPHTHALMIC PATHOLOGY BRANCH, WASHINGTON, DC. Pathology and pathogenesis of edema of optic disc (monkeys).

ROLEY-01167-02 (VISA) WALTMAN, STEPHEN R, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Studies in glaucoma and related diseases (human).

ROLEY-01170-02 (VISB) SPEAR, PETER D, KANSAS STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, MANHATTAN, KANS. Neurophysiology consequences of visual cortex damage (cats).

ROLEY-01171-02 (BIO) PANNBACKER, RICHARD G, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Cyclic nucleotide function in retinal photoreceptors (cattle, rats).

ROLEY-01172-02 (VISB) LARIMER, JAMES O, TEMPLE UNIVERSITY, DEPT OF PSYCHOLOGY, PHILADELPHIA, PA. Opponent-color codes—Cancellation and magnitude codes (human).

ROLEY-01174-01 (VISB) LABALLE, LOIS K, COLL OF MED & DEN/NEW JERSEY, 100 BERGEN STREET, NEWARK, N J. An experimental study of developing visual system (cats).

ROLEY-01175-02 (VISA) FREEMAN, RALPH D, UNIVERSITY OF CALIFORNIA, SCHOOL OF OPTOMETRY, BERKELEY, CALIF. Partial visual deprivation in humans (cats).

ROLEY-01177-02 (BBCB) YGUERABIDE, JUAN, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Conformational dynamics of excitable membranes.

ROLEY-01178-02 (VISA) POLLACK, IRVIN P, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Constant pressure applanation tonography (human).

ROLEY-01182-01 (VISA) HALL, JOAN M, UNIVERSITY OF CALIFORNIA, FRANCIS I PROCTOR FDN, SAN FRANCISCO, CALIF. The nature and sequence of ocular immune response (rabbits).

ROLEY-01184-01 (VISA) WYMAN, MILTON, OHIO STATE UNIVERSITY, 2578 KENNY ROAD, COLUMBUS, OHIO. Congenital glaucoma—A developmental study (dogs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

ROLEY-01186-02 (VSN) JAMPOLSKY, ARTHUR, SMITH-KETTLEWELL INST, 2232 WEBSTER STREET, SAN FRANCISCO, CALIF. The visual science research center grant.

ROLEY-01186-02 0001 (VSN) COLLINS, CARTER C. The visual science research center grant—Human oculomotor physiology (and cats, monkeys, dogs).

ROLEY-01186-02 0002 (VSN) BACH-Y-RITA, PAUL. The visual science research center grant—Oculomotor neurophysiology (cats, monkeys, human).

ROLEY-01186-02 0003 (VSN) JAMPOLSKY, ARTHUR. The visual science research center grant—Strabismus research (human).

ROLEY-01186-02 0004 (VSN) METZ, JOSEPH W. The visual science research center grant—Objective measurement of visual functions (human, cats).

ROLEY-01186-02 0005 (VSN) STAMPER, ROBERT. The visual science research center grant—Clinical and experimental glaucoma (rabbits, monkeys).

ROLEY-01186-02 0006 (VSN) BACH-Y-RITA, PAUL. The visual science research center grant—Sensory substitution (human).

ROLEY-01188-02 (VISB) STUART, ANN E, HARVARD UNIVERSITY, 25 SHATTUCK STREET, BOSTON, MASS. Neural mechanisms in processing visual information (barnacles).

ROLEY-01189-02 (VISB) SPARKS, DAVID L, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Eye movement—The role of brain stem neurons (monkeys).

ROLEY-01190-02 (VISB) STELL, WILLIAM K, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Pathways for color vision in retinas (goldfish).

ROLEY-01191-02 (EXP) HELD, RICHARD M, MASSACHUSETTS INST OF TECH, 79 AMHERST STREET, E10-137, CAMBRIDGE, MASS. Vision and visuomotor mechanisms.

ROLEY-01191-02 0001 (EXP) HELD, RICHARD M. Vision and visuomotor mechanisms—Development of visual acuity of young children.

ROLEY-01191-02 0002 (EXP) HELD, RICHARD M. Vision and visuomotor mechanisms—Color and edge-sensitive channels (human).

ROLEY-01191-02 0003 (EXP) HELD, RICHARD M. Vision and visuomotor mechanisms—Multiple modes of processing visual stimuli (human).

ROLEY-01191-02 0004 (EXP) HELD, RICHARD M. Vision and visuomotor mechanisms—Mechanisms of orientation explored by moving visual scenes.

ROLEY-01191-02 0005 (EXP) HELD, RICHARD M. Vision and visuomotor mechanisms—Vision and movement (human).

ROLEY-01191-02 0006 (EXP) HELD, RICHARD M. Vision and visuomotor mechanisms—Development of coordination in infant monkey.

ROLEY-01193-02 (BBCA) ROCKEY, JOHN H, PRESBY-UNIV OF PENNSYLVANIA, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Primary structural studies of visual pigments (cattle).

ROLEY-01194-02 (VIS) LATIES, ALAN M, PRESBY-UNIV OF PENNSYLVANIA, 51 N 39TH STREET, PHILADELPHIA, PA. Histochemical study of autonomic innervation of the eye (rabbits).

ROLEY-01197-01 (VISA) RATHBUN, WILLIAM B, UNIVERSITY OF MINNESOTA, POST OFFICE BOX 376, MINNEAPOLIS, MINN. Glutathione metabolism in ocular tissue (rabbits).

ROLEY-01198-01 (VISA) DAWSON, CHANDLER R, UNIVERSITY OF CALIFORNIA, PARNASSUS AND THIRD AVENUE, SAN FRANCISCO, CALIF. Pathogenesis and early diagnosis of eye inflammations (human, animals).

ROLEY-01199-01 (VISA) CINTRON, CHARLES, RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. Corneal macromolecules and scar formation (rabbits).

ROLEY-01200-01 (VISA) HARRIS, JOHN E, UNIV OF MINNESOTA, MINNEAPOLIS, MINN. Triparanol cataract.

ROLEY-01201-01 (VISB) LEFTON, LESTER A, UNIVERSITY OF SOUTH CAROLINA, DEPT OF PSYCHOLOGY, COLUMBIA, S C. Lateral inhibition and metacontrast (human).

ROLEY-01202-02 (VISB) LA VAIL, MATTHEW M, CHILDREN'S HOSP MED CENTER, 300 LONGWOOD AVENUE, BOSTON, MASS. New gene delaying blindness in retinal dystrophy (rats, mice).

ROLEY-01204-01 (TMP) O'CONNOR, GEORGE R, UNIVERSITY OF CALIFORNIA, THIRD & PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Ocular toxoplasmosis (human, rabbit).

ROLEY-01207-01 (VISA) RAE, JAMES L, DEPT OF OPHTHALMOLOGY, UNIVERSITY OF TEXAS, GALVESTON, TEX. Normal and cataractous lens cell bioelectric properties (rats, frogs).

ROLEY-01208-01 (VISB) HENDRICKSON, ANITA E, DEPT OF OPHTHALMOLOGY RJ-10, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Development of primate retina and visual thalamus (primates).

ROLEY-01211-01 (VISA) DOUGHMAN, DONALD J, UNIVERSITY OF MINNESOTA, DEPARTMENT OF OPHTHALMOLOGY, MINNEAPOLIS, MINN. Organ culture of corneas (human, rabbit).

ROLEY-01212-01 (RAD) LIZZI, FREDERIC L, RIVERSIDE RES INSTITUTE, 80 WEST END AVENUE, NEW YORK, N Y. Ultrasonic evaluation of ocular tissues (human).

ROLEY-01215-01 (COM) HARTH, ERICH, SYRACUSE UNIVERSITY, PHYSICS DEPARTMENT, SYRACUSE, N Y. Visual receptive fields by a new method (frogs).

ROLEY-01217-01 (VISA) TROTTER, ROBERT R, WEST VIRGINIA UNIVERSITY, DIVISION OF OPHTHALMOLOGY, MORGANTOWN, W VA. Adrenergic and cholinergic interaction in the eye (rabbits).

ROLEY-01218-01 (RAD) COLEMAN, D JACKSON, EDWARD S HARKNESS EYE INST, 635 WEST 165TH STREET, NEW YORK, N Y. Ultrasonic evaluation of ocular tissues (human).

ROLEY-01221-01 (VISB) PINTO, LAWRENCE H, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, WEST LAFAYETTE, IND. Ionic mechanisms for retinal neuron potentials (mice).

ROLEY-01224-01 (VISA) HENKIND, PAUL, MONTEFIORE HOSP MED CTR, 111 EAST 210TH STREET, BRONX, N Y. Endocrine and physiological parameters in glaucoma.

ROLEY-01226-01 (VISA) CALDWELL, JACQUES R, UNIVERSITY OF FLORIDA, SHANDS TEACHING HOSPITAL, GAINESVILLE, FLA. Role of complement in keratitis (rabbits, human).

ROLEY-01227-01 (VISA) LAING, RONALD A, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Studies of the corneal endothelium of the eye (human, rabbit).

ROLEY-01230-01 (VISB) ALLEN, DONALD M, DEPARTMENT OF ZOOLOGY, UNIV OF MICHIGAN, ANN ARBOR, MICH. Physiology of visual pigment (fishes).

ROLEY-01241-01 (VISB) GANZ, LEO, STANFORD UNIVERSITY, DEPT OF PSYCHOLOGY, STANFORD, CALIF. Neuropsychology (cats).

ROLEY-01242-01 (VISA) RIVA, CHARLES E, RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. Ocular blood flow with dye dilution method (human, primates).

ROLEY-01243-01 (PHRA) MITTAG, THOMAS W, MT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Role of ACh in the cornea and in ocular pressure.

ROLEY-01244-02 (VIS) AGUIRRE, GUSTAVO D, UNIV OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Neurofibrillar degeneration in cone dysfunction (dogs).

ROLEY-01246-01 (VISA) BERMAN, MICHAEL B, RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. Serum antiprotease and corneal ulceration (human, rabbits).

ROLEY-01243-01 (VISA) ROSENTHAL, A RALPH, STANFORD UNIVERSITY, STANFORD, CALIF. Computer mapping of the optic nerve head (human).

ROLEY-01249-01 (VISA) NEWMAN, NANCY M, PACIFIC MEDICAL CENTER, CLAY & WEBSTER STREETS, SAN FRANCISCO, CALIF. Evaluation of the retinal nerve fiber layer (human).

ROLEY-01253-01 (BBCA) MAKANISHI, KOJI, COLUMBIA UNIVERSITY, BOX 568 HAVEMEYER HALL, NEW YORK, N Y. Structural and conformational studies of visual pigments (cattle).

ROLEY-01254-01 (CVB) LITTLE, HUNTER L, PALO ALTO MEDICAL RES FDN, 860 BRYANT STREET, PALO ALTO, CALIF. Role of abnormal hemorheology in diabetic retinopathy (human).

ROLEY-01255-01 (VISB) COWAN, W MAXWELL, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Quantitative anatomical studies of visual deprivation (monkeys, mice).

ROLEY-01259-01 (VISB) HIROSE, TATSUO, RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. Human VER and ERG with focal retinal stimulation.

ROLEY-01261-01 (SSS) MC CORMACK, BRUCE H, UNIVERSITY OF ILLINOIS, POST OFFICE BOX 348, CHICAGO, ILL. Image processing for clinical ophthalmology.

ROLEY-01261-01 0001 (SSS) PEYMAN, GHOLAM A. Image processing for clinical ophthalmology—Choroidal circulation using infrared angiography (monkeys).

ROLEY-01261-01 0002 (SSS) VYGANTAS, CHARLES M. Image processing for clinical ophthalmology—Macular pigmentary changes in the senile macula (human).

ROLEY-01261-01 0003 (SSS) PEYMAN, GHOLAM A. Image processing for clinical ophthalmology—Retinal circulation time in diabetes (human).

ROLEY-01261-01 0004 (SSS) LEE, CHANG-BOK. Image processing for clinical ophthalmology—Distribution of retinal capillaries in normal and sickle cell retinopathy (human).

ROLEY-01261-01 0005 (SSS) LEE, CHANG-BOK. Image processing for clinical ophthalmology—Oximetry of peripheral retinal blood in sickle cell retinopathy (human).

ROLEY-01261-01 0006 (SSS) LEE, CHANG-BOK. Image processing for clinical ophthalmology—Retinal transit time in normal and sickle cell retinopathy patients.

ROLEY-01261-01 0007 (SSS) MCCORMACK, BRUCE H. Image processing for clinical ophthalmology—Systems studies.

ROLEY-01261-01 0008 (SSS) MCCORMACK, BRUCE H. Image processing for clinical ophthalmology—Development of hardware and software.

ROLEY-01261-01 0009 (SSS) MCCORMACK, BRUCE H. Image processing for clinical ophthalmology—Image processing and graphics research.

ROLEY-01261-01 0010 (SSS) MCCORMACK, BRUCE H. Image processing for clinical ophthalmology—New image sensor investigations.

ROLEY-01263-01 (MBC) BERG, HOWARD C, UNIVERSITY OF COLORADO, DEPT OF MOLECULAR, CELL BIO, BOULDER, COLO. Photophysiology in bacterium containing rhodopsin.

ROLEY-01264-01 (VISB) MUNSON, JOHN B, UNIVERSITY OF FLORIDA, BOX 723, COLL OF MEDICINE, GAINESVILLE, FLA. Eye movement-induced changes in visual function (human, animals).

ROLEY-01268-02 (VISB) HIRSCH, HELMUT B, S U N Y-AT ALBANY, 1400 WASHINGTON AVENUE, ALBANY, N Y. Development and functions of visual cortex (cats).

ROLEY-01275-01 (VISB) HARGRAVE, PAUL A, SOUTHERN ILLINOIS UNIVERSITY, DEPT OF CHEM & BIOCHEMISTRY, CARBONDALE, ILL. Rhodopsin structure and function (cattle).

ROLEY-01276-01 (VISA) CHYLACK, LEO T, JR, HOWE LAB OF OPHTHALMOLOGY, 243 CHARLES STREET, BOSTON, MASS. Lens metabolism and cataract formation (cattle).

ROLEY-01278-01 (VISA) BENTLEY, PETER J, MT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE & 100TH STREET, NEW YORK, N Y. Pharmacology of lenticular ion transport (toads).

ROLEY-01281-01 (VISB) FISHER, LESLIE J, UNIVERSITY OF MICHIGAN, DEPT OF ANATOMY, MED SCI II, ANN ARBOR, MICH. Developmental analysis of retinal synaptic organization (animals).

ROLEY-01282-01 (VISA) CHANDLER, JOHN W, DEPT OF OPHTH, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Immunopathology and therapy of corneal disease (guinea pigs).

ROLEY-01285-01 (VISB) PINTER, ROBERT B, UNIVERSITY OF WASHINGTON, DEPT OF ELECTRICAL ENGR FT-10, SEATTLE, WASH. Quantitative determination of retinal function (locusts, crickets).

ROLEY-01286-01 (VISB) MARROCCO, RICHARD T, UNIVERSITY OF OREGON, DEPARTMENT OF PSYCHOLOGY, EUGENE, OREG. Physiology of visual afferent pathways (monkeys).

ROLEY-01287-01 (VISB) ARRES, EDWARD A, MASS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Development of optic pathway during embryogenesis (chick).

ROLEY-01292-01 (VISA) RICHARDS, RICHARD D, DEPT OF OPHTH, UNIV OF MARYLAND HOSPITAL, BALTIMORE, MD. Histochemical changes in experimental cataracts (rabbits).

ROLEY-01294-01 (VISA) FRAUNFELDER, FREDERICK T, UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM STREET, LITTLE ROCK, ARK. Experimental cryotherapy of ophthalmic malignancies (cattle).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1EY-01297-01 (PHY) CHIARANDINI, DANTE J, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Physiology and pharmacology of extraocular muscles.

RO1EY-01300-01 (VIS) FABKAS, TIMOR G, BETH ISRAEL MEDICAL CENTER, 10 NATHAN D PEARLMAN PLACE, NEW YORK, N Y. Mechanism of development of diabetic cataracts (rats).

RO1EY-01302-01 (VISA) STARK, WALTER J, JOHNS HOPKINS HOSP, 601 NORTH BROADWAY, BALTIMORE, MD. The role of HLA antigens in corneal transplantation (human).

RO1EY-01303-01 (VISA) RIVA, CHARLES E, 20 STANFORD STREET, BOSTON, MASS. Human retinal blood flow and laser velocimetry (human, monkeys).

RO1EY-01309-01 (IMB) MEYERS, ROBERTA L, UNIVERSITY OF CALIFORNIA, JULES STEIN EYE INSTITUTE, LOS ANGELES, CALIF. Pathogenesis of experimental allergic uveitis.

RO1EY-01310-01 (VISB) PITTE, KATHERINE V, UNIVERSITY OF MASSACHUSETTS, DEPT OF PSYCHOLOGY, AMHERST, MASS. Fovea-Anatomical and behavioral studies (animals).

RO1EY-01311-01 (VISB) BUNT, ANN H, UNIVERSITY OF WASHINGTON, DEPT OF OPHTHALMOLOGY RJ-10, SEATTLE, WASH. Protein transport in retinal photoreceptors and axons (animals).

RO1EY-01312-01 (VISA) CALKINS, JOSEPH L, WILMER INSTITUTE, 601 NORTH BROADWAY, BALTIMORE, MD. Holographic stress-testing of the surgical cornea (rabbits).

RO1EY-01313-01 (VISA) SOUTHWEN, A LOUIS, NEW YORK MEDICAL COLLEGE, 5TH AVE AT 106TH STREET, NEW YORK, N Y. Cortical metabolism in glaucoma and cataract (human, rabbits and cats).

RO1EY-01316-01 (VISB) KRIPKE, BERNARD R, UNIVERSITY OF UTAH, BLDG 453, DEPT OF NEUROLOGY, SALT LAKE CITY, UTAH. Organization of striate cortex (cats).

RO1EY-01313-01 (VISA) WEINBERG, ARYE, HEBREW UNIVERSITY, RACAH INSTITUTE OF PHYSICS, JERUSALEM, ISRAEL. Metallic ions in the vitreous body of the eye (rabbits).

PO1EY-01319-01 (VSN) BROWN, JOHN L, UNIVERSITY OF ROCHESTER, CENTER FOR VISUAL SCIENCE, ROCHESTER, N Y. Visual science research center support.

PO1EY-01319-01 0001 (VSN) BOYNTON, R M. Visual science research center support-Late receptor potential in primate retina.

PO1EY-01319-01 0002 (VSN) BROWN, JOHN L. Visual science research center support-Electrophysiological studies of the cat visual system.

PO1EY-01319-01 0003 (VSN) BROWN, JOHN L. Visual science research center support-Evoked potential studies in the monkey.

PO1EY-01319-01 0004 (VSN) DOTY, R W. Visual science research center support-Electrophysiology studies of visual cortex in monkeys.

PO1EY-01319-01 0005 (VSN) DOTY, R W. Visual science research center support-Mesencephalic influence on lateral geniculate nucleus (primates).

PO1EY-01319-01 0006 (VSN) DOTY, R W. Visual science research center support-Single unit studies of cortical activity (primates).

PO1EY-01319-01 0007 (VSN) COLEMAN, P. Visual science research center support-Development in the visual system (mammals).

PO1EY-01319-01 0008 (VSN) BOYNTON, R M. Visual science research center support-Temporal factors in vision.

PO1EY-01319-01 0009 (VSN) BOYNTON, R M. Visual science research center support-Heterochromatic matching.

PO1EY-01319-01 0010 (VSN) BROWN, JOHN L. Visual science research center support-Spatial orientation.

PO1EY-01319-01 0011 (VSN) BROWN, JOHN L. Visual science research center support-Photochromatic interval in the dark adapted eye.

PO1EY-01319-01 0012 (VSN) BROWN, JOHN L. Visual science research center support-Behavioral studies of visual processes (primates).

PO1EY-01319-01 0013 (VSN) COMEN, G H. Visual science research center support-Pupil response for chromatin mechanism.

PO1EY-01319-01 0014 (VSN) BOYNTON, R M. Visual science research center support-Additional research.

PO1EY-01319-01 0015 (VSN) HABER, R M. Visual science research center support-The perceptual components of reading (human).

PO1EY-01319-01 0016 (VSN) DICK, A O. Visual science research center support-Visual backward masking (human).

PO1EY-01319-01 0017 (VSN) DICK, A O. Visual science research center support-Visually presented information (human).

PO1EY-01319-01 0018 (VSN) DICK, A O. Visual science research center support-Feature analysis in form perception.

PO1EY-01319-01 0019 (VSN) BOYNTON, R M. Visual science research center support-Visual masking.

RO1EY-01323-01 (VISB) EBREY, THOMAS G, UNIVERSITY OF ILLINOIS, 524 BURNELL HALL, URBANA, ILL. Mechanism of visual excitation (cattle).

RO1EY-01324-01 (VISA) JOCCSON, VICENTE L, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Congenital glaucoma pathogenesis, diagnosis, therapy (human, primates).

RO1EY-01325-01 (VISB) HILL, RICHARD M, OHIO STATE UNIVERSITY, 338 WEST 10TH AVENUE, COLUMBUS, OHIO. Effects of refractive error in single cell coding (rabbits, monkeys).

RO1EY-01330-01 (EXF) WEBSSTEIN, NAOMI, ST UNIV OF N Y AT BUFFALO, 4230 RIDGE LEE CAMPUS, BUFFALO, N Y. Organization of complex visual perception (human).

RO1EY-01331-01 (VISB) KALLI, RONALD E, UNIV OF WISCONSIN, 1255 LINDEN DRIVE, MADISON, WIS. Development studies of the visual system (cats).

RO1EY-01334-01 (VISB) SAKITT, BARBARA, STANFORD UNIVERSITY, DEPT OF PSYCHOLOGY, STANFORD, CALIF. Problems in human vision.

RO1EY-01340-01 (VISA) ZADUNASKY, JOSE A, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Corneal electrophysiology (frogs, rabbits).

RO1EY-01342-01 (VISA) PFISTER, ROSWELL R, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Surface corneal epithelium in diseased states (human, animals).

RO1EY-01344-01 (MAY) RAVIOLA, ELJO, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Freeze-fracture studies of the retina (monkeys, rabbits, turtles).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R23EY-01346-01 (VISB) BUJUKAMHICI, NEDIM C, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Rod disc turnover in the retina (dogs).

RO1EY-01349-01 (VISA) RAVIOLA, GIUSEPPINA E, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Functional anatomy of anterior segment of the eye (monkeys).

RO1EY-01352-01 (VISA) LANGHAM, MAURICE E, JOHNS HOPKINS HOSP, 601 N BROADWAY, BALTIMORE, MD. Adrenergic physiology of the eye (rabbits, monkeys).

R23EY-01360-01 (VISA) GBERAETS, RAGNIT, BOX 262, MCV STATION, RICHMOND, VA. Teratogenic induction of coloboma (hamsters).

RO1EY-01362-01 (VISB) FERN, ALAN, MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MASS. Mechanisms of vision (fishes, limulus).

R23EY-01360-01 (VISA) FINKELSTEIN, DANIEL, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Experimental retinal neovascularization (cats).

RO1EY-01370-01 (VISB) BIENFANG, DON C, HOWE LAB OF OPHTHALMOLOGY, 243 CHARLES STREET, BOSTON, MASS. Brainstem pathways for efference of the cat eye.

R13EY-01371-01 (NSS) REINECKE, ROBERT D, ALBANY MEDICAL COLLEGE, DEPARTMENT OF OPHTHALMOLOGY, ALBANY, N Y. Young vision scientist travel support.

RO1EY-01373-01 (VISA) KRAMER, STEVEN G, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Retinal dopamine and ERG flicker suppression (cats).

R23EY-01391-01 (VISB) HOLLINS, MARK, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PSYCHOLOGY, CHAPEL HILL, N C. Cause and time course of accommodative micropsia (human).

R23EY-01392-01 (VISA) LAHAV, MOSHE, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Induced retinal dysplasia (cats, dogs).

RO1EY-01394-01 (VISB) BAKER, HOWARD D, FLORIDA STATE UNIVERSITY, PSYCHOLOGY DEPARTMENT, TALLAHASSEE, FLA. Very early dark adaptation from intense bleaching (human).

RO1EY-01395-01 (IMB) GEBHARDT, BRYAN M, UNIVERSITY OF FLORIDA, DEPARTMENT OF PATHOLOGY, GAINESVILLE, FLA. Prolongation of corneal allograft survival by antibody (rabbits, rats).

RO1EY-01396-01 (VISB) FAGER, ROGER S, MELLON INSTITUTE BUILDING, 4400 FIFTH AVENUE, PITTSBURGH, PA. Preparation and characterization of cone pigments (chicken, fish, cattle).

RO1EY-01396-01 (CBY) HINDS, JAMES W, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Serial section analysis of developing mouse retina.

R23EY-01400-01 (VISA) CASTANY, MARIE A, RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. Effects of blood PO₂, PCO₂ and PH on retinal vessels (cows).

RO1EY-01406-01 (VISB) BASINGER, SCOTT F, BAYLOR COLLEGE OF MEDICINE, DEPT OF OPHTHALMOLOGY, HOUSTON, TEX. Retina-Photoreceptor membrane synthesis and function (human, frogs, fish).

RO1EY-01406-01 (VISA) FOX, RICHARD R, JACKSON LABORATORY, BAR HARBOR, MAINE. Hereditary diseases (rabbits).

RO1EY-01413-01 (VISA) GREEN, KEITH, MEDICAL COLLEGE OF GEORGIA, 1459 GWINNETT STREET, AUGUSTA, GA. Ion and water movement in ocular tissues (rabbits).

RO1EY-01465-01 (VISA) GELATT, KIRK M, C325 VETERINARY HOSP, UNIV OF MINNESOTA, ST PAUL, MINN. Primary glaucoma (dogs, human).

RO1EY-01488-01 (VISA) GERKE, JOHN R, PORTLAND ZOOLOGICAL GARDENS, 4001 S W CANYON ROAD, PORTLAND, OREG. Experimental Pseudomonas infection of the cornea (mice).

RO1EY-01489-01 (VISA) BROWN, STUART I, EYE AND EAR HOSPITAL, 230 LOTHROP STREET, PITTSBURGH, PA. Precomal tear film (rabbits).

RO1EY-01490-01 (VISA) BROWN, STUART I, EYE AND EAR HOSPITAL, 230 LOTHROP STREET, PITTSBURGH, PA. Collagenolytic systems in normal and diseased corneas (human, rabbits).

RO1EY-01496-01 (VISB) LISMAN, JOHN E, DEPT OF BIOLOGY, BRANDEIS UNIV, WALTHAM, MASS. Adaptation in invertebrate photoreceptors (Limulus).

RO1EY-01497-01 (VISB) BROOKS, BARBARA A, UNIV OF TEXAS HLTH SCI CTR S A, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Visual processing during eye movement (primates, human).

RO1EY-01498-01 (VISB) GOLLENDER, MORTON, OREGON OPTOMETRIC CTR, PACIFIC AVENUE, FOREST GROVE, OREG. Development of stereoscopic vision (cats).

RO1EY-01505-01 (VISB) FAGER, ROGER S, UNIVERSITY OF VIRGINIA, DEPARTMENT OF PHYSIOLOGY, CHARLOTTESVILLE, VA. Preparation and characterization of cone pigments (animals).

NO1EY-32116-03 (***) SHAFER, ROBERT M, SAN FRANCISCO, CALIFORNIA. Small scale test procedure-nerve fiber bundle defects (human).

NO1EY-32118-03 (***) NORTON, EDWARD W, CORAL GABLES, FLORIDA. Diabetic retinopathy study (human).

NO1EY-32119-02 (***) TASMAN, WILLIAM S, PHILADELPHIA, PENNSYLVANIA. Diabetic retinopathy study (human).

NO1EY-32121-02 (***) MYERS, FRANK L, MADISON, WISCONSIN. Diabetic retinopathy study (human).

NO1EY-32122-02 (***) RIEKHOF, F TEMPLE, SALT LAKE CITY, UTAH. Diabetic retinopathy study (human).

NO1EY-32123-02 (***) WATZKE, ROBERT C, IOWA CITY, IOWA. Diabetic retinopathy study (human).

NO1EY-32124-02 (***) VAN HEUVEN, WICHARD A, ALBANY, NEW YORK. Diabetic retinopathy study (human).

NO1EY-32125-02 (***) GOLDBERG, MORTON F, CHICAGO, ILLINOIS. Diabetic retinopathy study (human).

NO1EY-32126-03 (***) HARRIS, JOHN E, MINNEAPOLIS, MINNESOTA. Diabetic retinopathy study (human).

NO1EY-32127-03 (***) PATZ, ARNALL, BALTIMORE, MARYLAND. Diabetic retinopathy study (human).

NO1EY-32129-02 (***) KNATTERUD, GIBBELL L, BALTIMORE, MARYLAND. Diabetic retinopathy study (human).

NO1EY-32130-02 (***) DAVIS, MATTHEW D, MADISON, WISCONSIN. Diabetic retinopathy study (human).

NO1EY-42128-03 (***) MC LEAN, EDWARD B, SEATTLE, WASHINGTON. Diabetic retinopathy study.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1EY-42142-02 (**) BERROCAL, JOSE, SAN JUAN, PUERTO RICO. Diabetic retinopathy study (clinic).

NO1EY-42162-00 (**) ANDERSON, ROBERT E, HOUSTON, TEXAS. Development of a method for large scale preparation of rod outer segments.

NO1EY-42167-00 (**) ARMALY, MANSOUR F, WASHINGTON, DISTRICT OF COLUMBIA. Biostatistical analysis of collaborative glaucoma study (human).

NO1EY-42170-00 (**) BRADLEY, ROBERT F, BOSTON, MASSACHUSETTS. Diabetic retinopathy-clinical center (human).

NO1EY-42171-00 (**) MARGHERIO, RAYMOND R, DETROIT, MICHIGAN. Diabetic retinopathy study (clinical center) (human).

NO1EY-42172-00 (**) MC MEEL, J W, BOSTON, MASSACHUSETTS. Diabetic retinopathy.

NO1EY-42173-00 (**) STRAATSMAN, BRADLEY R, LOS ANGELES, CALIFORNIA. Diabetic retinopathy study-clinical center (human).

RO1FD-00010-15 (SOH) HODGE, HAROLD C, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Toxicology of commercial products.

RO1FD-00011-09 (TOX) PICCHIONI, ALBERT L, DEPT OF PHAR & TOX, THE UNIVERSITY OF ARIZONA, TUCSON, ARIZONA. Activated charcoal-Antidote in accidental poisoning (rats, dogs).

RO1FD-00014-07 (TOX) TU, ANTHONY T, COLORADO STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, FORT COLLINS, COLO. Neutralizing snake venom toxicity by chemical agents (mice).

RO1FD-00033-03 (BAC) BILLS, DONALD D, OREGON STATE UNIVERSITY, DEPT OF FOOD SCIENCE & TECH, CORVALLIS, OREGON. Photolysis of pesticides (foods).

RO1FD-00035-09 (TOX) MJROCHA, CHESTER J, UNIVERSITY OF MINNESOTA, DEPT OF PLANT PATHOLOGY, ST PAUL, MINN. Biosynthesis and action of estrogenic hormones (fungi, swine, rats).

RO1FD-00041-05 (TOX) BUHLER, DONALD R, DEPARTMENT OF AGRICULTURAL CHE, OREGON STATE UNIVERSITY, CORVALLIS, OREG. Biochemical mechanisms for hexachlorophene toxicity (rats).

RO1FD-00050-12 (TOX) KAREL, MARCUS, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Water content and lipid oxidation in dehydrated foods.

RO1FD-00054-08 (BM) SIEGEL, DALE, UNIVERSITY OF ILLINOIS. Antibiotic residues and public health (human, bacteria, ungulates, chickens).

RO1FD-00083-08 (TOX) GRAHAM, HOKACE D, DEPT OF BIOLOGY, UNIVERSITY OF PUERTO RICO, MAYAGUEZ, PUERTO RICO. Determination and reaction of food gums.

RO1FD-00086-10 (VR) HASKIN, HAROLD H, RUTGERS UNIVERSITY, DEPT OF ZOOLOGY, NEW BRUNSWICK, N. J. Purification of hard clams from polluted waters (bacteria, viruses).

RO1FD-00097-07 (TOX) PEARSON, A M, MICHIGAN STATE UNIVERSITY, DEPT OF FOOD SCI & HUMAN NUT, EAST LANSING, MICH. Changes in muscle proteins caused by microbial growth (bacteria, swine, cattle).

RO1FD-00117-09 (BBCB) HANSEN, POUL M, OHIO STATE UNIVERSITY, 2121 FYFFE ROAD, COLUMBUS, OHIO. Hydrophilic colloid interactions in foods.

RO1FD-00120-09 (TOX) PADILLA, GEORGE M, DUKE UNIVERSITY, DEPT OF PHYSIO & PHARMACOLOGY, DURHAM, N. C. Algal intoxication in shellfish (mollusks, dinoflagellates).

RO1FD-00126-05 (BM) WHITNEY, ROBERT M, UNIVERSITY OF ILLINOIS, 202 DAIRY MANUFACTURES BLDG, URBANA, ILL. Complexes formed in heat sterilized milk products.

RO1FD-00140-07 (SSS) KAREL, MARCUS, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Quantitative analysis of food packaging problems.

RO1FD-00146-05 (TOX) HOWELL, D E, OKLAHOMA STATE UNIVERSITY, DEPARTMENT OF ENTOMOLOGY, STILLWATER, OKLA. Characterization of arthropod toxicants (mammals).

RO1FD-00149-12 (BM) GOLDBLITH, SAMUEL A, MASS INST OF TECHNOLOGY, ROOM 16-310, CAMBRIDGE, MASS. Sanitation of freeze-dried foods (bacteria).

RO1FD-00153-08 (BM) LEVIN, ROBERT E, UNIVERSITY OF MASSACHUSETTS, DEPT OF FOOD SCI & TECHNOLOGY, AMHERST, MASS. Fish spoilage and related bacteria (human, cattle).

RO1FD-00155-07 (TOX) AYRES, JOHN C, UNIVERSITY OF GEORGIA, FOOD SCIENCE DEPARTMENT, ATHENS, GA. Toxicogenic fungi in food products and feeds.

RO1FD-00176-06 (BM) CHRISTENSEN, CLYDE M, UNIVERSITY OF MINNESOTA, INSTITUTE OF AGRICULTURE, ST PAUL, MINN. Mycotoxins in feeds and foods (swine, rats, fowl).

RO1FD-00201-04 (BM) CHESBRO, WILLIAM R, UNIVERSITY OF NEW HAMPSHIRE, DEPT OF MICROBIOLOGY, DURHAM, N. H. Assay of staphylococcus and mycoplasma in foods.

RO1FD-00203-04 (BM) DUNCAN, CHARLES L, UNIVERSITY OF WISCONSIN, 205 HIRAM SMITH ANNEX, MADISON, WIS. Clostridium perfringens food poisoning (rabbits, mice, guinea pigs).

RO1FD-00213-13 (TOX) JOHNSON, PAUL E, NATIONAL ACADEMY OF SCIENCES, 2101 CONSTITUTION AVENUE, WASHINGTON, D. C. Preparation of a food additives codes.

RO1FD-00282-04 (TOX) BARKER, ALLEN V, UNIVERSITY OF MASSACHUSETTS, DEPT OF PLANT & SOIL SCIS, AMHERST, MASS. Nitrate and nitrite accumulation in vegetables (spinach).

RO1FD-00364-03 (BAC) DUGAN, LEROY, JR, MICHIGAN STATE UNIVERSITY, DEPT OF FOOD SCIENCE, EAST LANSING, MICH. N-Nitrosamine formation in cured meats (also fish).

RO1FD-00282-04 (SSS) SCANLAN, RICHARD A, DEPT OF FOOD SCIENCE & TECH, OREGON STATE UNIVERSITY, CORVALLIS, OREG. N-nitrosamines in foods (marine, fish, rats).

RO1FD-00396-03 (MCHB) SCHEUER, PAUL J, HAWAII INSTITUTE OF MARINE BIO, UNIVERSITY OF HAWAII, KANEHOE, HAWAII. Molecular structure of ciguatera (fish).

RO1FD-00416-04 (BAC) CHENG, THOMAS C, INSTITUTE FOR PATHOBIOLOGY, LEHIGH UNIVERSITY, BETHLEHEM, PA. Physiology of shellfish cleansing mechanisms (microorganisms).

RO1FD-00433-04 (TOX) CHICHESTER, CLINTON O, UNIVERSITY OF RHODE ISLAND, DEPT OF FOOD & RESOURCE CHEM, KINGSTON, R. I. Carbonyl accumulation during browning (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1FD-00447-03 (BM) GOEFFERT, JOHN M, FOOD RESEARCH INSTITUTE, 2115 HERRICK DRIVE, MADISON, WIS. Enterotoxins of bacillus cereus and bacillus thuringiensis.

RO1FD-00472-02 (NTN) PALMER, IVAN S, SOUTH DAKOTA STATE UNIVERSITY, EXPERIMENT STATION BIOC DEPAR, BROOKINGS, S DAK. Organic metabolites of selenium (rats, chickens, swine, cattle).

RO1FD-00480-01 (TOX) ANDRADE, JOSEPH D, INST FOR BIOMEDICAL ENGINEERING, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Sorption methods in the treatment of child poisoning.

RO1FD-00521-01 (GEN) BRUSICK, DAVID J, HOWARD UNIVERSITY, SCHOOL OF MEDICINE, WASHINGTON, D. C. Host-Mediated studies of carcinogenic and mutagenic compounds (yeast).

RO1FD-00530-01 (RAD) SINSKEY, ANTHONY J, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Mechanisms of radiation resistance in microorganisms (S typhimurium).

RO1FD-00534-02 (RLC) GROW, RICHARD W, UNIVERSITY OF UTAH, 3054 MERRILL ENGINEERING BLDG, SALT LAKE CITY, UTAH. Research on cumulative microwave radiation exposure.

RO1FD-00546-01 (SSS) LAWRENCE, ADDISON L, DEPARTMENT OF BIOLOGICAL SCIEN, UNIVERSITY OF HOUSTON, HOUSTON, TEX. Oyster absorption of organics dissolved in sea water.

RO1FD-00360-01 (NTN) KIRK, JAMES R, DEPT OF FOOD SCI & HUMAN NUTR, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Vitamin stability in dehydrated foods during storage.

RO1FD-00567-01 (NTN) BRUNNER, J ROBERT, MICHIGAN STATE UNIVERSITY, 334 FOOD SCIENCE BLDG, EAST LANSING, MICH. Nutritional quality of processed food proteins.

RO1FD-00568-01 (NTN) FEENEY, ROBERT E, UNIVERSITY OF CALIFORNIA, DEPT OF FOOD SCIENCE & TECH, DAVIS, CALIF. Chemical improvement of proteins for food uses (fish, eggs, casein, soy beans).

RO1FD-00574-01 (TOX) CHIOU, WIN L, UNIV OF ILLINOIS AT MEDICAL CT, P O BOX 6998, CHICAGO, ILL. Pharmacokinetics and toxicity of aerosol propellants (dogs, rabbits).

RO1FD-00576-01 (TOX) CHEN, CHIAO, BIOCHEMISTRY DEPARTMENT, NORTHWESTERN UNIVERSITY, CHICAGO, ILL. Metabolism of Di-t-butylhydroxytoluene (BHT).

RO1FD-00582-02 (BM) VANDERZANT, CARL, TEXAS A & M UNIVERSITY, DEPT OF ANIMAL SCIENCE, COLLEGE STATION, TEX. Vibrio parahaemolyticus and shellfish sanitation (mice).

RO1FD-00585-01 (ABC) IANDOLO, JOHN J, KANSAS STATE UNIVERSITY, DIVISION OF BIOLOGY, MANHATTAN, KANS. Ribosome alteration and assembly in stressed cells.

RO1FD-00590-01 (BBCA) GOODMAN, MURRAY, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Peptide-based sweetening agents.

RO1FD-00592-02 (BM) HARTMAN, PAUL A, DEPARTMENT OF BACTERIOLOGY, IOWA STATE UNIV OF SCI & TECH, AMES, IOWA. Combined bacteriological procedures.

RO1FD-00598-01 (NTN) BALDWIN, RUTH E, UNIVERSITY OF MISSOURI, DEPT OF FOOD SCI & NUT, COLUMBIA, MO. Quality and nutritive value of microwave cooked meat.

RO1FD-00599-01 (NTN) KRATZER, FRANK H, DEPT OF AVIAN SCIENCES, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Dietary chelates and calcium metabolism (chicken, quail).

RO1FD-00605-01 (TOX) STRONG, FRANK M, UNIVERSITY OF WISCONSIN, 420, MADISON, WIS. Poisonous dinoflagellates and shellfish poisoning.

RO1FD-00606-01 (NTN) LUND, DARYL B, UNIVERSITY OF WISCONSIN, DEPT OF FOOD SCIENCE, MADISON, WIS. Improving the nutritional content of processed foods (peas, tomatoes).

RO1FD-00607-01 (NTN) HOOD, LAMARTINE F, CORNELL UNIVERSITY, STOCKING HALL, ITHACA, N. Y. Antinutritional effects of modified food starches (rats).

RO1FD-00610-01 (BBCB) CUNNINGHAM, JOSEPH, UNIVERSITY COLLEGE, CHEMISTRY DEPARTMENT, CORK, IRELAND. Photolysis in nitrite or nitrate treated foods.

RO1FD-00615-01 (SSS) JOHNSON, PAUL E, NATIONAL ACADEMY OF SCIENCES, 2101 CONSTITUTION AVE, N W, WASHINGTON, D. C. Research and training needs in food science and technology.

RO1FD-00618-01 (VR) HARTMAN, PAUL A, DEPT OF BACTERIOLOGY, IOWA STATE UNIVERSITY, AMES, IOWA. Food virus detection by immuno-EM.

RO1FD-00619-01 (MCHB) SHIMIZU, YUZURU, COLLEGE OF PHARMACY, UNIVERSITY OF RHODE ISLAND, KINGSTON, R. I. Atlantic shellfish poison, G. tamarensis toxin (animals).

RO1FD-00626-02 (BM) BAUMANN, PAUL, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, DAVIS, CALIF. Taxonomy and physiology of marine bacteria.

RO1FD-00632-09 (RRT) BOX, HAROLD C, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Transfer mechanisms in biological materials.

RO1FD-00634-11 (RRT) HEMPELMANN, LOUIS H, UNIVERSITY OF ROCHESTER, SCHOOL OF MEDICINE & DENTISTRY, ROCHESTER, N. Y. Neoplasms in irradiated human populations.

RO1FD-00635-09 (RRT) TAYLOR, LAURISTON S, NAT COUNCIL ON RAD, 7910 WOODMONT AVE - SUITE 1016, WASHINGTON, D. C. Radiation protection and measurement.

RO1FD-00639-06 (RRT) STOEBE, THOMAS G, UNIVERSITY OF WASHINGTON, 211 ROBERTS HALL, SEATTLE, WASH. Thermoluminescent dosimeter crystals.

RO1FD-00640-06 (RRT) WITCOPSKI, RICHARD L, BOWMAN GRAY SCH OF MED, 300 S HAWTHORNE ROAD, WINSTON-SALEM, N. C. Time-radiation dose relationship to biologic damage (rats).

RO1FD-00645-05 (RRT) MONESI, VALERIO, ISTITUTO DI ISTOLOGIA, ED EMBRIOLOGIA GEN VIA BORELLI, 00161 ROME, ITALY. Radiation damage-Metabolism in reproductive system (mice, rabbits).

RO1FD-00646-05 (RRT) GUY, ARTHUR W, CC 814 UNIV HOSPITAL R130, UNIV OF WASH SCHOOL OF MED, SEATTLE, WASH. Quantitative effects of EM energy on human tissues (and cats).

RO1FD-00648-04 (RRT) WALD, NIEL, UNIVERSITY OF PITTSBURGH, DEPT OF RAD HLTH, PITTSBURGH, PA. Automated cytogenetic radiation health monitoring (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1FD-00649-03 (RLC) ALBERT, ERNEST N, DEPARTMENT OF ANATOMY, GEORGE WASHINGTON UNIVERSITY, WASHINGTON, D C. Effects of microwaves on CNS liver, and heart (hamsters).
- RO1FD-00650-02 (RRT) JUSTESEN, DON R, KANSAS UNIVERSITY, RAINBOW BLVD AT 39TH STREET, KANSAS CITY, KANS. Biopsychological studies of microwave irradiation.
- RO1FD-00651-03 (RRT) HUNGATE, FRANK P, BATTELLE-NORTHWEST, P O BOX 999, RICHLAND, WASH. Genetic effects of microwave radiations (microorganisms).
- RO1FD-00652-03 (RRT) NEY, W ROGER, NATL CNCL-RAD PROT & MEASURE, 7910 WOODMONT AVE, SUITE 1016, BETHESDA, MD. Radiation quantities, units and measurement technology.
- RO1FD-00654-03 (RRT) MEYER, MARY B, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. F2 effects from x-ray of human female fetuses.
- RO1FD-00656-02 (RRT) BAWLS, HENRY R, GULF SOUTH RES INSTITUTE, P O BOX 26500, NEW ORLEANS, LA. Photoconductive polymers for dental xeroradiograms.
- RO1FD-00657-02 (RRT) HEINZ, E RALPH, UNIVERSITY OF PITTSBURGH, DEPT OF RADIOLOGY, PITTSBURGH, PA. Electronic radiography for diagnostic dose reduction.
- RO1FD-00658-03 (RRT) EISENSTARK, ABRAHAM, DIV OF BIOL SCI, UNIVERSITY OF MISSOURI, COLUMBIA, MO. Cellular damage by visible and near-visible light (bacteria).
- RO1FD-00659-02 (RRT) ANDERSON, ROBERT E, UNIVERSITY OF UTAH, DEPARTMENT OF RADIOLOGY, SALT LAKE CITY, UTAH. A clinical evaluation of ultrasonic holography.
- RO1FD-00661-01 (RRT) LEBOVITZ, ROBERT M, ROBERT M LEBOVITZ, PH.D, U OF TEXAS SOUTHWESTERN MED SC, DALLAS, TEX. Vestibulo-cochlear effect of UHF-microwave radiation.
- RO1FD-00664-01 (RRT) COOK, BILL D, UNIVERSITY OF HOUSTON, 3801 CULLEN BOULEVARD, HOUSTON, TEX. Ultrasonic radiation determination by optical methods.
- RO1FD-00665-02 (RRT) FRY, FRANCIS J, INDIANAPOLIS CTR FOR ADV RES, 410 BEAUTY AVE ROOM 144, INDIANAPOLIS, IND. Ultrasonic toxicity study.
- RO1FD-00667-01 (RRT) GRUBER, GEORGE J, SOUTHWEST RESEARCH INSTITUTE, 8500 CULEBRA ROAD, SAN ANTONIO, TEX. Ultrasonic energy density in biological structures.
- RO1FD-00668-01 (RRT) EISENBUD, MERRIL, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Microwaves-Environmental factor-A molecular view.
- RO1FD-00669-01 (VISA) HAM, WILLIAM T, JR, VIRGINIA COMMONWEALTH UNIVERSITY, MEDICAL COLLEGE OF VIRGINIA, RICHMOND, VA. Ocular effects from overexposure to optical sources (human, animals).
- RO1FD-00674-01 (RRT) MC CORMICK, JOHN P, UNIVERSITY OF MISSOURI, CHEMISTRY DEPT, COLUMBIA, MO. Structure of a cell-lethal tryptophan photoproduct (bacteria).
- RO1FD-00675-01 (RRT) WANG, SHIH Y, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Ultrasonic radiation of nucleic acid and components.
- RO1FD-00678-01 (RRT) BAWIN, SUZANNE M, UNIVERSITY OF CALIFORNIA, RM C3-384, BRAIN RSCH INST, LOS ANGELES, CALIF. Electromagnetic radiation and biological systems.
- RO1FD-00680-01 (RRT) LELE, PADMAKAR P, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Diagnostic ultrasound-injury thresholds and mechanisms (cats).
- RO1FD-00683-01 (TOX) SALUNKHE, D K, DEPT OF NUTRITION & FOOD SCI, UTAH STATE UNIVERSITY, LOGAN, UTAH. Biosynthesis, toxicology and control of potato toxicants.
- RO1FD-00685-01 (TOX) HAARD, NORMAN F, DEPARTMENT OF FOOD SCIENCE, RUTGERS - THE STATE UNIVERSITY, NEW BRUNSWICK, N J. Furanoterpenoids in sweet potato-ethylene mediation.
- RO1FD-00686-01 (RRT) FINE, BEN S, U ASSOC FOR RES & EDU IN PATH, 9650 ROCKVILLE PIKE, BETHESDA, MD. Ocular pathology from electromagnetic radiation.
- RO1FD-00687-01 (RRT) SPERLING, HARRY G, UNIV OF TEXAS HEALTH SCIENCE, CENTER AT HOUSTON, HOUSTON, TEX. Effects of light on the retina (monkeys).
- RO1FD-00689-01 (MCHB) SOKOLOSKI, THEODORE D, THE OHIO STATE UNIVERSITY, 500 WEST 12TH AVENUE, COLUMBUS, OHIO. The toxicity and potency of tetracyclines.
- RO1FD-00690-01 (NEUB) ROSE, ARTHUR L, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Hexachlorophene-Neuropathological and biochemical studies (rats).
- RO1FD-00691-10 (TOX) BOROFF, DANIEL A, ALBERT EINSTEIN MEDICAL CENTER, YORK AND TABOR ROADS, PHILADELPHIA, PA. Chemistry and biological activity of botulinum toxin.
- RO1FD-00692-04 (PTHB) RICHTER, GOETZ W, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Renal pathology in lead poisoning (rats).
- RO1FD-00694-01 (RAD) MILLER, MORTON W, UNIVERSITY OF ROCHESTER, SCH OF MEDICINE & DENTISTRY, ROCHESTER, N Y. Chromosome damage-repair-Radiation and sonication (plants).
- RO1FD-00712-01 (BM) SUGIYAMA, HIROSHI, UNIVERSITY OF WISCONSIN, FOOD RESEARCH INSTITUTE, MADISON, WIS. Structure-toxicity relationship of botulinum toxins.
- RO1FD-00719-01 (NSS) FISHER, FRANK, INDIANA STATE BOARD OF HEALTH, 1330 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Development of uniform food and drug data sharing program.
- RO1GM-00091-29 (PC) RAJAGOPALAN, K V, DUKE UNIVERSITY MEDICAL CENTER, DEPT OF BIOCHEMISTRY, DURHAM, N C. Structure, function of enzymes-Role of metals (rat).
- RO1GM-02907-23 (END) LI, CHOM H, UNIVERSITY OF CALIFORNIA, 1088 SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. ACTH and related peptides (rats, rabbits).
- RO1GM-03545-20 (PHY) HUF, ERNST G, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Metabolism and active ion transport in frog skin.
- RO1GM-04229-20 (MCHB) WOODWARD, ROBERT B, HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. The chemistry of natural products.
- RO1GM-04584-17 (BIO) COHEN, SAUL G, BRANDEIS UNIVERSITY, DEPARTMENT OF CHEMISTRY, WALTHAM, MASS. Specificity and reactivity of hydrolytic enzymes.
- RO1GM-04712-18 (PC) WESTHEIMER, FRANK H, HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. Mechanism of enzyme action.
- RO1GM-04725-18 (BBCB) STURTEVANT, JULIAN M, YALE UNIVERSITY, 225 PROSPECT STREET, NEW HAVEN, CONN. Physicochemical studies of biochemical reactions (rabbits, human).
- RO1GM-04738-18 (MBY) RIS, HANS, UNIVERSITY OF WISCONSIN, 1117 W JOHNSON ST, MADISON, WIS. Submicroscopic organization of chromosomes (animals, fungi).
- RO1GM-04761-18 (MET) BROWN, DAVID H, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. Metabolism of polysaccharides (human, rabbits).
- RO1GM-04842-18 (BIO) HESS, GEORGE P, CORNELL UNIVERSITY, 270 CLARK HALL, ITHACA, N Y. Interrelationship between protein structure and function.
- RO1GM-04922-18 (BIO) GRANICK, SAM, ROCKEFELLER UNIVERSITY, 66TH ST AND YORK AVENUE, NEW YORK, N Y. Heme and chlorophyll biosynthesis (chick embryo, mice, barley).
- RO1GM-05147-17 (MCHA) STORK, GILBERT, COLUMBIA UNIVERSITY, BOX 666, HAVEMEYER HALL, NEW YORK, N Y. Synthesis of natural products.
- RO1GM-05301-17 (PC) CONN, ERIC E, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCH AND BIOPHYSICS, DAVIS, CALIF. Metabolism of aromatic compounds (plants).
- RO1GM-05365-17 (MBY) PTASHNE, MARK S, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Biological investigations with isotopes.
- RO1GM-05428-16 (SGYB) SHIRES, GEORGE T, UNIVERSITY OF TEXAS SOUTHWEST, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Evaluation of saline solutions in therapy of shock (dogs, rats, primates).
- RO1GM-05472-16 (MCHB) BIEMANN, KLAUS, MASSACHUSETTS INST OF TECH, DEPT OF CHEMISTRY ROOM 56-010, CAMBRIDGE, MASS. MS methods in protein and nucleic acid chemistry.
- RO1GM-05810-15 (BIO) ABRAMS, ADOLPH, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Structure and function of bacterial membrane ATPase (bacteria).
- RO1GM-05811-15 (BBCB) MORAWETZ, HERBERT, POLYTECHNIC INSTITUTE, 333 JAY STREET, BROOKLYN, N Y. Hydrolytic enzyme models.
- RO1GM-05829-16 (MCHA) LEONARD, NELSON J, UNIVERSITY OF ILLINOIS, ROGER ADAMS LABORATORY, URBANA, ILL. Nucleosides, nucleic acids, and cell division factors (plants).
- RO1GM-05850-16 (CBY) BRIGGS, ROBERT W, INDIANA UNIVERSITY, DEPARTMENT OF ZOOLOGY, BLOOMINGTON, IND. Gene action in oogenesis and embryonic development (toads).
- RO1GM-05919-16 (BIO) LEHNINGER, ALBERT L, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Enzymatic activities of mitochondria.
- RO1GM-05919-16 0010 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Stoichiometry and mechanism of H ion ejection during electron transport (rats).
- RO1GM-05919-16 0011 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Membrane-loading of calcium and its relationship to mitochondrial structure (rat).
- RO1GM-05919-16 0012 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Regulation of calcium release from mitochondria (crabs).
- RO1GM-05919-16 0013 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Isolation and properties of matrix reticular protein (rats).
- RO1GM-05919-16 0014 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Purification of calcium-transport and-binding proteins.
- RO1GM-05919-16 0015 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Solubilization and purification of the ADP-ATP carrier (rats).
- RO1GM-05919-16 0016 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Solubilization and purification of the ornithine carrier (rats, tadpoles).
- RO1GM-05919-16 0017 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-Mitochondrial transport of CO2 and the role of carbonic anhydrase (rats).
- RO1GM-05919-16 0018 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-A role for mitochondria in normal and pathological calcification (rats, crabs).
- RO1GM-05919-16 0019 (BIO) LEHNINGER, ALBERT L. Enzymatic activities of mitochondria-P/O ratio of oxidative phosphorylation in intact mammalian cells.
- RO1GM-06048-16 (MBC) MAAS, WERNER K, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Regulation of enzyme synthesis in bacteria.
- RO1GM-06168-16 (MCHA) SCHUERCH, CONRAD, SUNY-COL OF ENV SCI & FORESTRY, SYRACUSE, N Y. Stereospecific synthesis of polysaccharides.
- RO1GM-06196-15 (PC) LEHMAN, I ROBERT, STANFORD UNIV SCHOOL OF MED, DEPARTMENT OF BIOCHEMISTRY, STANFORD, CALIF. Genetic recombination and viral DNA synthesis.
- RO1GM-06241-16 (BIO) ELLIOTT, WILLARD B, BELL FACILITY, STATION B, P O BOX U, BUFFALO, N Y. Properties of cytochrome oxidase (rats).
- RO1GM-06245-15 (PC) GAWRON, OSCAR, DUQUESNE UNIVERSITY, DEPARTMENT OF CHEMISTRY, PITTSBURGH, PA. Chemistry of Krebs cycle enzymes (swine).
- RO1GM-06304-15 (MCHB) NICKON, ALEX, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Steric and kinetic factors in terpene cyclizations.
- RO1GM-06590-15 (BIO) REED, LESTER J, UNIVERSITY OF TEXAS, DEPARTMENT OF CHEMISTRY, AUSTIN, TEXAS. Biochemistry of alpha-keto acid dehydrogenase complexes (E coli, rats, cattle).
- RO1GM-06635-14 (BIO) SCHWERT, GEORGE W, UNIVERSITY OF KENTUCKY, COLLEGE OF MEDICINE, LEXINGTON, KY. Characterization and specificity of enzyme systems.
- RO1GM-06637-15 (MBY) KAFATOS, POTTIS C, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Support of central laboratory for electron microscopy (biology).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1GM-06840-16 (MCHA) DJERASSI, CARL, STANFORD UNIVERSITY, DEPT OF CHEMISTRY, STANFORD, CALIF. Marine chemistry and research on terpenoids (marine animals).

RO1GM-06920-15 (BBCA) LIPSCOMB, WILLIAM N, HARVARD UNIV, 12 OXFORD ST, CAMBRIDGE, MASS. Molecular structure of biologically active molecules.

PO1GM-06965-15 (SSS) REVEL, JEAN P, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Basic experimental biology.

PO1GM-06965-15 0005 (SSS) SMART, JOHN E. Basic experimental biology—Membrane proteins of *E. coli*.

PO1GM-06965-15 0006 (SSS) SMART, JOHN E. Basic experimental biology—Intercellular recognition during aggregation of slime mold.

PO1GM-06965-15 0013 (SSS) HOOD, LEROY E. Basic experimental biology—Amino-terminal regions of mouse kappa chains.

PO1GM-06965-15 0014 (SSS) CROSS, JOHN W JR. Basic experimental biology—Mutants in chloroplast macromolecular synthesis.

PO1GM-06965-15 0015 (SSS) MILLER, MARK J. Basic experimental biology—Ribosomal RNA synthesis (*Chlamydomonas*).

PO1GM-06965-15 0020 (SSS) TUCHMAN, JESSICA. Basic experimental biology—Effects, penicillin in cellular slime molds (*Dictyostelium discoideum*).

PO1GM-06965-15 0022 (SSS) BIRDWELL, CHARLES R. Basic experimental biology—Sindbis virus-induced host cell plasma membrane conversion (chick embryo).

PO1GM-06965-15 0041 (SSS) KUHN, HERMANN. Basic experimental biology—Specific phosphorylation of rhodopsin with ATP (cattle).

PO1GM-06965-15 0042 (SSS) HARGRAVE, PAUL A. Basic experimental biology—Primary structure of rhodopsin (cattle).

PO1GM-06965-15 0043 (SSS) PRAHL, JAMES W. Basic experimental biology—Variable heavy chains region genetic markers (rabbits).

PO1GM-06965-15 0044 (SSS) WATERFIELD, MICHAEL D. Basic experimental biology—Immunoglobulin light chains allotypy and sequence (rabbits).

PO1GM-06965-15 0045 (SSS) BARSTAD, PAUL A. Basic experimental biology—A homogenous myeloma light chain (cattle).

PO1GM-06965-15 0048 (SSS) SILVER, JACK. Basic experimental biology—An analysis of transplantation antigens in mice.

PO1GM-06965-15 0054 (SSS) SMART, JOHN E. Basic experimental biology—Ion exchange chromatography of membrane proteins.

PO1GM-06965-15 0055 (SSS) SMART, JOHN E. Basic experimental biology—Contact recognition in *dictyostelium discoideum*.

PO1GM-06965-15 0056 (SSS) TUCHMAN, JESSICA. Basic experimental biology—Contact recognition inhibition in *dictyostelium discoideum*.

PO1GM-06965-15 0057 (SSS) MOLDAY, ROBERT S. Basic experimental biology—Refolding of membrane proteins after removing sodium dodecyl sulfate.

PO1GM-06965-15 0058 (SSS) MOLDAY, ROBERT S. Basic experimental biology—Phosphorylation reaction in electricus.

PO1GM-06965-15 0059 (SSS) HOOD, LEROY E. Basic experimental biology—Variable region sequence of kappa chains.

PO1GM-06965-15 0060 (SSS) BARSTAD, PAUL A. Basic experimental biology—Sequence determination of two identical myeloma antibody molecules.

PO1GM-06965-15 0061 (SSS) LOH, ELWYN, Y. Basic experimental biology—Evolution of immunoglobulin light chains (mice).

PO1GM-06965-15 0062 (SSS) HOOD, LEROY E. Basic experimental biology—Amino-terminal regions of mouse heavy chains.

PO1GM-06965-15 0063 (SSS) HOOD, LEROY E. Basic experimental biology—Variable region sequence of a mouse antibody heavy chain.

PO1GM-06965-15 0054 (SSS) WATERFIELD, MICHAEL D. Basic experimental biology—Restricted homogeneity in rabbit antibodies.

PO1GM-06965-15 0043 (SSS) HOOD, LEROY E. Basic experimental biology—Antibody light chains of restricted heterogeneity.

PO1GM-06965-15 0056 (SSS) CREDE, DONALD E. Basic experimental biology—Automatic data processing for automatic sequencer.

PO1GM-06965-15 0067 (SSS) FUHRMAN, JONATHAN. Basic experimental biology—Structure of chicken ovomucin.

PO1GM-06965-15 0058 (SSS) SEED, BRIANNATHAN. Basic experimental biology—*Dictyostelium discoideum* form B RNA polymerase.

PO1GM-06965-15 0069 (SSS) MCMAHON, DANIEL. Basic experimental biology—pH sensitive mutants of *dictyostelium discoideum*.

PO1GM-06965-15 0070 (SSS) SPIVAK, SHARON L. Basic experimental biology—Labeling and isolating slime mold membranes.

PO1GM-06965-15 0071 (SSS) MILLER, MARK J. Basic experimental biology—Maturation of ribosomal RNA in *chlamydomonas*.

PO1GM-06965-15 0072 (SSS) CROSS, JOHN W, JR. Basic experimental biology—Selecting mutants resistant to high intensity light.

PO1GM-06965-15 0073 (SSS) REVEL, JEAN-PAUL. Basic experimental biology—Distribution of junctions in various tissues.

PO1GM-06965-15 0074 (SSS) CHANG, LILY. Basic experimental biology—Cell junctions in embryonic tissues.

PO1GM-06965-15 0075 (SSS) SMITH, SUSAN B. Basic experimental biology—Concanavalin A binding to cell surfaces.

PO1GM-06965-15 0076 (SSS) HOCH, PAMELA S. Basic experimental biology—Distribution of charged groups on the cell surface.

PO1GM-06965-15 0077 (SSS) HOCH, PAMELA S. Basic experimental biology—Cell attachment to substrate and cellular motility.

PO1GM-06965-15 0078 (SSS) JAN, LILY YA S. Basic experimental biology—Distribution of rhodopsin in retinal rod disc membranes.

PO1GM-06965-15 0079 (SSS) PIERCE, JOHN S. Basic experimental biology—Ionic strength and adsorption of sindbis virus to cells.

PO1GM-06965-15 0080 (SSS) PIERCE, JOHN S. Basic experimental biology—Plasma membrane from infected fibroblasts.

PO1GM-06965-15 0081 (SSS) BELL, JOHN R. Basic experimental biology—Sindbis-specific proteins in infected cells.

RO1GM-06983-15 (GEN) DE MARS, ROBERT I, UNIVERSITY OF WISCONSIN, GENETICS BUILDING, MADISON, WIS. Genetic studies with cultivated mammalian cells (human, mice).

RO1GM-07065-14 (PC) WEST, CHARLES A, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVE, LOS ANGELES, CALIF. Biosynthesis of isoprenoid hormones (plants).

RO1GM-07212-13 (GEN) WHITE, MICHAEL J, UNIVERSITY OF MELBOURNE, PARKVILLE, VIC, AUSTRALIA. Cytogenetics—Chromosomal rearrangements (grasshoppers).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1GM-07214-14 (GEN) STERNBERG, ARTHUR G, CASE WESTERN RESERVE UNIV, 2040 ADELBERT ROAD, CLEVELAND, OHIO. Nature and distribution of human gamma-globulin factors.

RO1GM-07256-15 (PC) STEIN, WILLIAM H, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N. Y. Chemical structure and enzyme activity of proteins (cattle).

RO1GM-07261-14 (PC) LOWENSTEIN, JOHN M, BRANDEIS UNIVERSITY, GRAD DEPT OF BIOCHEMISTRY, WALTHAM, MASS. Enzymatic, chemical reaction adenosine triphosphate (rats, cattle).

RO1GM-07262-15 (PC) CHAMBERS, ROBERT W, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Nucleic acid chemistry (bacteria, yeasts).

RO1GM-07428-14 (GEN) BAKER, WILLIAM K, UNIVERSITY OF CHICAGO, 1103 E 57TH STREET, CHICAGO, ILL. Genetic control of differential cell function (*Drosophila*).

RO1GM-07446-15 (MBC) MAGASANK, BORIS, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Metabolism and biological function of inositol (bacteria).

RO1GM-07487-13 (MCHB) ZIMMERMAN, HOWARD E, UNIVERSITY OF WISCONSIN, CHEMISTRY DEPARTMENT, MADISON, WIS. Photochemistry of organic molecules.

RO1GM-07495-13 (EXCP) MC GILL, THOMAS E, DEPT OF PSYCHOLOGY, WILLIAMS COLLEGE, WILLIAMSTOWN, MASS. The genetics and physiology of behavioral differences (mice).

RO1GM-07557-14 (TMP) BECK, STANLEY D, UNIVERSITY OF WISCONSIN, DEPARTMENT OF ENTOMOLOGY, MADISON, WIS. Physiology of insect photoperiodism.

RO1GM-07581-13 (VR) KORNBERG, ARTHUR, STANFORD UNIV, DEPT OF BIOCHEMISTRY, STANFORD, CALIF. Biosynthesis of deoxyribonucleic acid and membranes (bacteria, viruses).

RO1GM-07654-14 (BBCA) PRESICO, JACQUES R, PRINCETON UNIVERSITY, FRICK CHEMICAL LABORATORY, PRINCETON, N. J. Macromolecular aspects of RNA structure and function (yeasts, *E. coli*).

RO1GM-07768-14 (BIO) HAGER, LOWELL P, UNIVERSITY OF ILLINOIS, BIOCHEMISTRY DEPARTMENT, URBANA, ILL. Enzymatic activation mechanisms (*E. coli*).

RO1GM-07779-12 (CBY) MANNEY, DAVID L, UNIVERSITY OF ILLINOIS, ZOOLOGY DEPARTMENT, URBANA, ILL. Genetic studies with *Tetrahymena*.

RO1GM-07816-15 (GEN) STRAUSS, BERNARD S, DEPT OF MICROBIOLOGY, UNIV OF CHICAGO 5724 ELLIS AVE, CHICAGO, ILL. The mode of action of chemical mutagens (bacteria, mammals).

RO1GM-07830-14 (GEN) BUSS, EDWARD G, PENNSYLVANIA STATE UNIVERSITY, 203 ANIMAL INDUSTRIES BLDG, UNIVERSITY PARK, PA. Influence of a mutant gene on riboflavin metabolism (chickens).

RO1GM-07874-14 (MCHB) WASSERMAN, HARRY H, YALE UNIVERSITY, DEPT OF CHEMISTRY, NEW HAVEN, CONN. New synthetic methods via reactive intermediates.

RO1GM-07884-13 (BIO) PARK, JANE H, VANDERBILT MEDICAL SCHOOL, DEPT OF PHYSIOLOGY, NASHVILLE, TENN. 3-Phosphoglycerate dehydrogenase (chickens).

RO1GM-07966-14 (MCHA) HIRKEY, RICHARD G, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF CHEMISTRY, CHAPEL HILL, N. C. Chemistry of unsymmetrical aliphatic disulfides.

RO1GM-08209-11 (RAD) NYBORG, WESLEY L, UNIVERSITY OF VERMONT, BURLINGTON, VT. Biophysical basis for thresholds in bio-ultrasound.

RO1GM-08229-14 (GMB) VOLCANI, BENJAMIN E, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Biochemical studies of siliceous skeletal formation (diatoms, rats).

RO1GM-08285-13 (BIO) INGRAHAM, LLOYD L, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYSICS, DAVIS, CALIF. Thiamine function in nerve tissue (chick embryo).

RO1GM-08347-14 (MCHB) SPENCE, JACK T, UTAH STATE UNIVERSITY, DEPT OF CHEM & BIOCHEMISTRY, LOGAN, UTAH. Function of molybdenum in biological systems.

RO1GM-08472-14 (SOYB) HUMPHRIES, ARTHUR L, JR, MEDICAL COLLEGE OF GEORGIA, 1459 GWINNETT STREET, AUGUSTA, GA. Storage of kidney by hypothermia and perfusion (dogs).

RO1GM-08521-14 (BBCB) GRANT, DAVID M, UNIVERSITY OF UTAH, DEPARTMENT OF CHEMISTRY, SALT LAKE CITY, UTAH. Carbon-13 magnetic resonance—Methods and theory.

RO1GM-08522-12 (SSS) JACOBS, JOHN E, NORTHWESTERN UNIVERSITY, 2145 SHERIDAN ROAD, EVANSTON, ILL. Imaging systems for biological organisms.

RO1GM-08647-13 (PC) CLARK, JOHN M, JR, UNIVERSITY OF ILLINOIS, DEPARTMENT OF BIOCHEMISTRY, URBANA, ILL. Mechanism of messenger-RNA translation (microorganisms).

RO1GM-08710-13 (COM) DAYHOFF, MARGARET O, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D. C. Sequence of amino acids in proteins by computer aids.

RO1GM-08822-13 (PC) FRENCH, DEKTER, IOWA STATE UNIVERSITY, DEPT OF BIOCHEM AND BIOPHYSICS, AMES, IOWA. Mechanism of amylase action (bacteria, swine, protozoa).

RO1GM-08893-12 (MCHB) KUSTIN, KENNETH, BRANDEIS UNIVERSITY, DEPARTMENT OF CHEMISTRY, WALTHAM, MASS. Chemical kinetics studied by relaxation spectrometry.

RO1GM-08963-12 (BIO) RAY, WILLIAM J, JR, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCI, LAFAYETTE, IND. Mechanism of the group transfer process (frogs, rats).

RO1GM-08968-13 (MBY) BEER, MICHAEL, JOHNS HOPKINS UNIVERSITY, DEPT OF BIOPHYSICS, BALTIMORE, MD. Electron microscope studies of nucleic acid structures (flies, viruses).

RO1GM-08995-13 (SSS) METZENBERG, ROBERT L, JR, UNIV OF WISCONSIN MED SCHOOL, 689 MEDICAL SCIENCES BLDG, MADISON, WISC. Genetic control of protein synthesis (*Neospora*, yeast).

RO1GM-09042-13 (PC) HOROWITZ, JACK, IOWA STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYS, AMES, IOWA. Structural basis of ribonucleic acid specificity (mammals, bacteria).

PO1GM-09069-12 (GMP) NGAI, SHIH-HSUAN, DEPT OF ANESTHESIOLOGY, COLUMBIA UNIV 630 W 8TH ST, NEW YORK, N. Y. Research in anesthesiology.

PO1GM-09069-12 0001 (GMP) JAMES, L S. Research in anesthesiology—Respiratory distress syndrome in newborn lambs.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- PO1GM-09069-12 0002 (GMP) DANIEL, S S. Research in anesthesiology—Renal function in fetal lambs.
- PO1GM-09069-12 0003 (GMP) MORISHIMA, H O. Research in anesthesiology—Maternal-fetal temperature gradients in baboons.
- PO1GM-09069-12 0010 (GMP) NAHAS, G G. Research in anesthesiology—Cardiovascular effects of Delta-9-THC (rats).
- PO1GM-09069-12 0012 (GMP) NAHAS, G G. Research in anesthesiology—Non-invasive flowmeter (dogs).
- PO1GM-09069-12 0013 (GMP) TRINER, L. Research in anesthesiology—Cyclic AMP and smooth muscle function (dogs, rats, guinea pigs).
- PO1GM-09069-12 0015 (GMP) SULLIVAN, S F. Research in anesthesiology—On-line pulmonary gas exchange.
- PO1GM-09069-12 0024 (GMP) MATTEO, R S. Research in anesthesiology—Pharmacokinetics of tubocurarine (human).
- PO1GM-09069-12 0080 (GMP) KATZ, R L. Research in anesthesiology—Clinical pharmacology of pancuronium (human).
- PO1GM-09069-12 0053 (GMP) HYMAN, A I. Research in anesthesiology—W19053, local anesthetic (rodents).
- PO1GM-09069-12 0057 (GMP) HYMAN, A I. Research in anesthesiology—Respiratory function of newborn infants during mechanical ventilation (human).
- PO1GM-09069-12 0058 (GMP) HYMAN, A I. Research in anesthesiology—Obstetric anesthesia and fetal pharmacology (guinea pigs).
- PO1GM-09069-12 0059 (GMP) FINSTER, M. Research in anesthesiology—Respiratory movements in fetus (human).
- PO1GM-09069-12 0060 (GMP) FINSTER, M. Research in anesthesiology—Placental transfer of meperidine and naloxone (sheep).
- PO1GM-09069-12 0061 (GMP) MORISHIMA, H O. Research in anesthesiology—Fetal monitoring (baboons).
- PO1GM-09069-12 0062 (GMP) PIERRE, LOUIS. Research in anesthesiology—Anesthetic agents and cyclic AMP system (human, rats).
- PO1GM-09069-12 0063 (GMP) KHAMBATTA, H J. Research in anesthesiology—Hyperventilation and CO₂ production (dogs).
- PO1GM-09069-12 0054 (GMP) STONE, J G. Research in anesthesiology—Halothane anesthesia and pulmonary shunting (dogs).
- PO1GM-09069-12 0065 (GMP) CHUCK, . Research in anesthesiology—Respiratory components of thermoregulatory activity (dogs).
- PO1GM-09069-12 0066 (GMP) CHUCK. Research in anesthesiology—Pulmonary lavage with oxygenated fluorocarbon (dogs).
- PO1GM-09069-12 0067 (GMP) PATTERSON, R W. Research in anesthesiology—Cardiopulmonary bypass (human).
- PO1GM-09069-12 0063 (GMP) KARIS, J H. Research in anesthesiology—Neuromuscular transmission and blockage in vitro (anurans).
- PO1GM-09069-12 0069 (GMP) DONHAM, . Research in anesthesiology—Photochromic compound.
- PO1GM-09069-12 0070 (GMP) EPSTEIN, R M. Research in anesthesiology—Tetanus and the neuromuscular refractory period in man.
- PO1GM-09069-12 0071 (GMP) EPSTEIN, R M. Research in anesthesiology—Effects of succinylcholine on the indirectly stimulated EMG.
- PO1GM-09069-12 0072 (GMP) RACKOW, H. Research in anesthesiology—Neuromuscular blocking agents in infants and children (human, mice).
- PO1GM-09069-12 0073 (GMP) EPSTEIN, R M. Research in anesthesiology—Splanchnic circulatory control (cats).
- PO1GM-09069-12 0074 (GMP) MARKEE. Research in anesthesiology—Narcotics and monoamine oxidase inhibitor interaction.
- PO1GM-09069-12 0075 (GMP) LIU, P L. Research in anesthesiology—Distribution of cardiac output during anesthesia and induced hypertension (dogs)
- PO1GM-09069-12 0076 (GMP) MARK, L C. Research in anesthesiology—Interaction between thiopental and methyphenidate (human, dogs).
- PO1GM-09069-12 0077 (GMP) MARK, L C. Research in anesthesiology—Interaction between diazepam and diphenhydantoin (dogs).
- PO1GM-09069-12 0078 (GMP) PEREL, J M. Research in anesthesiology—Pharmacokinetics of stereoisomers of thiopental.
- PO1GM-09069-12 0079 (GMP) MARK, L C. Research in anesthesiology—Probencid on amine metabolites in cerebrospinal fluid (dogs).
- PO1GM-09069-12 0080 (GMP) PEREL, J M. Research in anesthesiology—Analytical methodology for measurement of drug concentrations (human).
- PO1GM-09069-12 0081 (GMP) FINSTER, M. Research in anesthesiology—Thiopental-succinylcholine-oxygen anesthesia (human).
- PO1GM-09069-12 0082 (GMP) FINSTER, M. Research in anesthesiology—Placental transfer of meperidine and naloxone in pregnant ewes.
- PO1GM-09069-12 0083 (GMP) PANTUCK E J. Research in anesthesiology—Cigarette smoking and metabolism of phenacetin (human).
- PO1GM-09069-12 0084 (GMP) POPPERS P J. Research in anesthesiology—Induction of drug metabolizing enzymes (mice).
- PO1GM-09069-12 0085 (GMP) RACKOW, H. Research in anesthesiology—Pulmonary uptake of anesthetics in infants and children (human).
- PO1GM-09069-12 0086 (GMP) PEREL, J M. Research in anesthesiology—3'-deuteriopentobarbital-2-14C (human).
- PO1GM-09069-12 0087 (GMP) NGAI, SHIN HSUN. Research in anesthesiology—Pharmacokinetics of barbiturate thiopental.
- PO1GM-09069-12 0088 (GMP) NGAI, SHIN-HSUN. Research in anesthesiology—Methyphenidate and metabolism of thiopental (dogs).
- PO1GM-09069-12 0089 (GMP) NGAI, SHIN-HSUN. Research in anesthesiology—Diazepam and diphenhydantoin.
- PO1GM-09069-12 0090 (GMP) NGAI, SHIN-HSUN. Research in anesthesiology—Turnover of biogenic amines in central nervous system (human).
- PO1GM-09069-12 0091 (GMP) FINSTER, M. Research in anesthesiology—Thiopental-succinylcholine-oxygen anesthesia.
- PO1GM-09069-12 0092 (GMP) NGAI, SHIN-HSUN. Research in anesthesiology—Cigarette smoke and phenacetin metabolism (rats).
- PO1GM-09069-12 0093 (GMP) NGAI, SHIN-HSUN. Research in anesthesiology—Mouse strain differences in drug utilization.
- PO1GM-09069-12 0094 (GMP) NGAI, SHIN-HSUN. Research in anesthesiology—Trichloroethylene uptake in children (human).
- PO1GM-09069-12 0095 (GMP) KATZ, R L. Research in anesthesiology—New long-acting local anesthetic, W-19053 (human).
- PO1GM-09069-12 0096 (GMP) KATZ, R L. Research in anesthesiology—Motor block produced by anesthetics.
- PO1GM-09069-12 0097 (GMP) KATZM R L. Research in anesthesiology—Diarrhea prevention cholera by acetylsalicylic acid (cats).
- PO1GM-09069-12 0098 (GMP) LEE, R A. Research in anesthesiology—Ventilator for newborn infants (human).
- PO1GM-09069-12 0099 (GMP) LEE, R A. Research in anesthesiology—Neuromuscular transmission in pediatric patients.
- PO1GM-09069-12 0100 (GMP) LEE, R A. Research in anesthesiology—Acetylsalicylic acid and cyclic-AMP.
- PO1GM-09069-12 0101 (GMP) TRINER, L. Research in anesthesiology—Acetylsalicylic acid and cyclic AMP system in intestinal mucosa (cats).
- PO1GM-09069-12 0102 (GMP) PATTERSON, R W. Research in anesthesiology—Oxygen consumption during cardiopulmonary bypass.
- PO1GM-09069-12 0103 (GMP) PATTERSON, R W. Research in anesthesiology—Anesthesia and Qs/Qt (dogs).
- PO1GM-09069-12 0104 (GMP) PATTERSON, R W. Research in anesthesiology—Body carbon dioxide stores.
- PO1GM-09069-12 0105 (GMP) PATTERSON, R W. Research in anesthesiology—Oxygen consumption and arterial oxygenation (dogs).
- PO1GM-09069-12 0106 (GMP) PATTERSON, R W. Research in anesthesiology—Ventilation-perfusion disturbances during hemorrhage.
- PO1GM-09069-12 0107 (GMP) KATZ, R L. Research in anesthesiology—Pyridostigmine as an antagonist of pancuronium.
- PO1GM-09069-12 0108 (GMP) KATZ, R L. Research in anesthesiology—Electromyographic effects of pancuronium and succinylcholine.
- PO1GM-09069-12 0109 (GMP) KATZ, R L. Research in anesthesiology—Action of diazepam-choline.
- PO1GM-09069-12 0110 (GMP) KATZ, R L. Research in anesthesiology—Action of pancuronium and toxiferine (mice).
- PO1GM-09069-12 0111 (GMP) KATZ, R L. Research in anesthesiology—Electrophysiology of neuromuscular transmission (mice).
- PO1GM-09069-12 0112 (GMP) KATZ, R L. Research in anesthesiology—Plasma D-tubocurarine concentration.
- PO1GM-09069-12 0113 (GMP) KATZ, R L. Research in anesthesiology—Radioimmunoassays of pancuronium and gallamine (rabbits).
- PO1GM-09069-12 0114 (GMP) KATZ, R L. Research in anesthesiology—Dose-response curve of D-tubocurarine (human).
- PO1GM-09069-12 0115 (GMP) KATZ, R L. Research in anesthesiology—Effect of enflurane and cyclopropane on neuromuscular transmission.
- PO1GM-09069-12 0116 (GMP) EPSTEIN, R M. Research in anesthesiology—Cyclopropane and splanchnic nerve discharge (cats).
- PO1GM-09069-12 0117 (GMP) EPSTEIN, R M. Research in anesthesiology—Site of histamine release.
- PO1GM-09069-12 0118 (GMP) EPSTEIN, R M. Research in anesthesiology—Mechanism of narcotic induced histamine release (dogs).
- PO1GM-09069-12 0119 (GMP) EPSTEIN, R M. Research in anesthesiology—Central and peripheral histamine release (dogs).
- PO1GM-09069-12 0120 (GMP) EPSTEIN, R M. Research in anesthesiology—Changes in cardiac output (dogs).
- PO1GM-09069-12 0121 (GMP) EPSTEIN, R M. Research in anesthesiology—Anesthetics and smooth muscle function.
- PO1GM-09069-12 0122 (GMP) EPSTEIN, R M. Research in anesthesiology—Nitroprusside and cyclic AMP systems.
- PO1GM-09069-12 0123 (GMP) EPSTEIN, R M. Research in anesthesiology—Central nervous system toxicity of hyperbaric oxygen.
- RO1GM-09280-13 (BBCA) KLOTZ, IRVING M, NORTHWESTERN UNIVERSITY, DEPT OF CHEMISTRY, EVANSTON, ILL. Stability of hydrogen bonds in proteins.
- RO1GM-09220-13 (MBC) TORRIANI-GORINI, A, MASSACHUSETTS INST OF TECH, DEPT OF BIOLOGY, RM 56-743, CAMBRIDGE, MASS. Control of genome expression (bacteria).
- RO1GM-09326-13 (GEN) SUTTON, H BLDON, UNIVERSITY OF TEXAS, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX. Genetic and chemical studies of protein variations (human, primates, cattle).
- RO1GM-09370-13 (BBCA) HOARD, JAMES L, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N Y. X-ray diffraction studies of tetrapyrrole systems.
- RO1GM-09396-13 (MBC) PAULUS, HENRY, HARVARD MEDICAL SCHOOL, 25 SHATLICK STREET, BOSTON, MASS. Peptide antibiotics and bacterial sporulation.
- RO1GM-09410-12 (PC) RUPLEY, JOHN A, UNIVERSITY OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Hemoproteins, lysozyme and insulin (human, horses).
- RO1GM-09341-13 (GEN) GILBERT, WALTER, BIOLOGICAL LABS HARVARD UNIV, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Role of ribonucleic acid in protein synthesis.
- RO1GM-09387-13 (BIO) GRAVES, DONALD J, IOWA STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYSICS, AMES, IOWA. Enzyme structure and action on macromolecules (E coli, rabbits, lobsters).
- RO1GM-09654-13 (MBY) BLOCH, DAVID P, UNIVERSITY OF TEXAS, DEPT OF BOTANY, AUSTIN, TEXAS. Histone metabolism (Iverson, insects).
- RO1GM-09686-13 (MCHB) BUCHI, GEORGE H, MASS INST OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Chemistry of natural products.
- RO1GM-09706-09 (MCHA) CARPINO, LOUIS A, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF CHEMISTRY, AMHERST, MASS. New amino-protecting group.
- RO1GM-09738-13 (MBC) YANOPSKY, CHARLES, DEPT OF BIOLOGICAL SCIENCES, STANFORD UNIVERSITY, STANFORD, CALIF. Genetic and biochemical study of tryptophan synthetase (bacteria).
- RO1GM-09886-13 (GEN) CHOVNICK, ARTHUR, UNIVERSITY OF CONNECTICUT, GENETICS & CELL BIOLOGY SECT, STORRS, CONN. Genetic studies in *Drosophila melanogaster*.
- RO1GM-09901-13 (BIO) HANAWALT, PHILIP C, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Replication and transcription of genetic material (microorganism, human).
- RO1GM-09933-12 (RAD) CARSTENSEN, EDWIN L, UNIVERSITY OF ROCHESTER, DEPT OF ELECTRICAL ENGR, ROCHESTER, N Y. Ultrasonics and dielectrics of biomaterial (plants, cattle, chickens, bacteria).
- RO1GM-09963-12 (GEN) SANDLER, LAURENCE M, UNIVERSITY OF WASHINGTON, 1205 BIOCHEMISTRY-GENETICS BLD, SEATTLE, WASH. Cytogenetics of meiosis and development in *Drosophila*.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1GM-09966-12 (GEN) RUDDLE, FRANK H, YALE UNIVERSITY, KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Genetic analysis of somatic cell populations (mammals).	PO1GM-10402-12 0036 (GMP) ROSENMANN, MARIO. Zoophysiology in Alaska-Alarm reaction.
RO1GM-10017-12 (BIO) CRIDDLE, RICHARD S, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM AND BIOPHYSICS, DAVIS, CALIF. Chemical forces stabilizing protein structure (yeasts, plants, mammals).	PO1GM-10403-12 (GMP) LAUFFER, MAX A, DEPT OF BIOPHY & MICROBIOLOGY, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Biophysical studies on viral structure and function.
RO1GM-10025-12 (BBCB) WYCKOFF, HAROLD W, MOLECU BIOPH & BIOCHEM DEPT, BOX 1937 YALE STATION, NEW HAVEN, CONN. Xray analysis of protein structure and function (bacteria).	PO1GM-10403-12 0001 (GMP) LAUFFER, MAX A. Biophysical studies on viral structure and function-Polymerization of TMV protein.
RO1GM-10040-12 (MCHB) BUSCH, DARYLE H, DEPARTMENT OF CHEMISTRY, OHIO STATE UNIVERSITY, COLUMBUS, OHIO. Ligand reactions and homogeneous catalysts.	PO1GM-10403-12 0005 (GMP) LAUFFER, MAX A. Biophysical studies on viral structure and function-Effects of calcium ions on polymerization of TMV.
RO1GM-10067-12 (GEN) WOODWARD, DOW O, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Gene-enzyme relationships in Neurospora (also chickens, sea urchins, bacteria).	PO1GM-10403-12 0006 (GMP) STEVENSON, DENNIS A. Biophysical studies on viral structure and function-TMV and TMV RNA.
RO1GM-10138-12 (CBY) GREGG, JAMES M, UNIVERSITY OF FLORIDA, DEPT OF ZOOLOGY, GAINESVILLE, FLA. Interactions regulating differentiation in cellular slime molds.	PO1GM-10403-12 0007 (GMP) STEVENS, CHARLES L. Biophysical studies on viral structure and function-Synthetic polynucleotides.
RO1GM-10218-12 (BBCB) RICHARDS, JOHN H, CALIFORNIA INST OF TECH, 1201 E CALIFORNIA BLVD, PASADENA, CALIF. Mechanism of enzyme action.	PO1GM-10403-12 0008 (GMP) CARTWRIGHT, T E. Biophysical studies on viral structure and function-Reaction of carbodiimide with TMV RNA.
RO1GM-10224-12 (MCHB) WILLIAMSON, KENNETH L, MOUNT HOLYOKE COLLEGE, DEPARTMENT OF CHEMISTRY, SOUTH HADLEY, MASS. Conformational analysis by NMR.	PO1GM-10403-12 0009 (GMP) BENDET, IRWIN J. Biophysical studies on viral structure and function-FD bacteriophage.
RO1GM-10265-12 (MCHB) LETSINGER, ROBERT L, NORTHWESTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, EVANSTON, ILL. New methods for synthesis of polynucleotides.	PO1GM-10403-12 0010 (GMP) BENDET, IRWIN J. Biophysical studies on viral structure and function-Capsid-polyhead subunits.
RO1GM-10287-12 (PC) FRIDOVICH, IRWIN, DUKE UNIVERSITY MEDICAL CENTER, DEPT OF BIOCHEMISTRY, DURHAM, N C. Biological function of superoxide dismutase (plants, animals).	PO1GM-10403-12 0011 (GMP) BENDET, IRWIN J. Biophysical studies on viral structure and function-Ion etching of TMV.
RO1GM-10292-12 (CBY) BAKIN, RICHARD M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, BERKELEY, CALIF. Studies in fine structure (animals).	PO1GM-10403-12 0012 (GMP) BENDET, IRWIN J. Biophysical studies on viral structure and function-Sperm cells.
RO1GM-10317-12 (PC) GREENE, RONALD C, DUKE MEDICAL CENTER, DEPT OF BIOCHEMISTRY, DURHAM, N C. Biochemistry of sulfonium compounds (bacteria).	RO1GM-10421-12 (MCHA) VAN TAMELEN, EUGENE E, STANFORD UNIVERSITY, CHEMISTRY DEPARTMENT, STANFORD, CALIF. Synthesis of alkaloids and terpenoids.
RO1GM-10356-11 (IMB) AMOS, D BERNARD, DUKE UNIVERSITY MEDICAL CTR, BOX 3010, DURHAM, N C. Immunogenetics of man (and rabbits, mice).	RO1GM-10422-12 (CBY) SALPETER, MIRIAM M, CORNELL UNIVERSITY, DEPT OF APPLIED PHYSICS, ITHACA, N Y. Ultra high resolution autoradiography (insects, plants, amphibians).
RO1GM-10366-11 (MCHA) CAMPAIGNE, ERNEST E, INDIANA UNIVERSITY, DEPARTMENT OF CHEMISTRY, BLOOMINGTON, IND. Bioisosteres of biologically active indoles.	RO1GM-10451-11 (BBCA) BERNHARD, SIDNEY A, UNIVERSITY OF OREGON, INST OF MOLECULAR BIOLOGY, EUGENE, OREG. Kinetic analysis of enzyme catalysis.
RO1GM-10374-12 (PC) SCHMID, KARL, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Chemistry of human glycoproteins and proteins.	RO1GM-10452-11 (COM) KARLIN, SAMUEL, STANFORD UNIVERSITY, DEPT OF MATHEMATICS, STANFORD, CALIF. Stochastic models in medicine and biology.
RO1GM-10390-12 (PC) FURTH, JOHN J, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. RNA metabolism in mammalian cells (viruses, rats, bacteria, cattle).	RO1GM-10499-12 (GEN) GAY, HELEN, UNIVERSITY OF MICHIGAN, DEPARTMENT OF ZOOLOGY, ANN ARBOR, MICH. Chromosome structure in relation to gene action (amphibians, plants, insects).
PO1GM-10402-12 (GMP) IRVING, LAURENCE, INSTITUTE OF ARCTIC BIOLOGY, UNIVERSITY OF ALASKA, FAIRBANKS, ALASKA. Zoophysiology in Alaska.	RO1GM-10525-11 (COM) NEYMAN, JERZY, UNIVERSITY OF CALIFORNIA, 498 EVANS HALL, BERKELEY, CALIF. Statistical studies of problems of health and biology.
PO1GM-10402-12 0004 (GMP) WEST, GEORGE C. Zoophysiology in Alaska-Uttilization of fat (lemmings, moose, caribou, marine mammals).	PO1GM-10548-12 (SSS) WAGNER, HENRY N, JR, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Nuclear instrumentation and chemistry in medicine.
PO1GM-10402-12 0006 (GMP) BEHRISCH, HANS M. Zoophysiology in Alaska-Hibernation and enzymes (ground squirrels, seals, caribou, birds).	PO1GM-10548-12 0001 (SSS) WAGNER, HENRY N JR. Nuclear instrumentation and chemistry in medicine-Systems analysis.
PO1GM-10402-12 0007 (GMP) GALSTER, WILLIAM. Zoophysiology in Alaska-Metabolism during hibernation hypothermia (squirrels).	PO1GM-10548-12 0002 (SSS) WAGNER, HENRY N JR. Nuclear instrumentation and chemistry in medicine-Automated microbiology (human).
PO1GM-10402-12 0011 (GMP) MILLER, KEITH L. Zoophysiology in Alaska-Heterothermous operations of nerves (squirrels, marmots, whales).	PO1GM-10548-12 0003 (SSS) WAGNER, HENRY JR. Nuclear instrumentation and chemistry in medicine-Computer applications.
PO1GM-10402-12 0012 (GMP) RAMAKRISHNAN, P. Zoophysiology in Alaska-Genetic relations through amino acids sequence (rodents, carnivores).	PO1GM-10548-12 0004 (SSS) WAGNER, HENRY N JR. Nuclear instrumentation and chemistry in medicine-Radiopharmaceutical development (human).
PO1GM-10402-12 0013 (GMP) ROSENMANN, MARIO. Zoophysiology in Alaska-Energy balance in small mammals (rodents).	PO1GM-10548-12 0005 (SSS) WAGNER, HENRY N JR. Nuclear instrumentation and chemistry in medicine-Radiometric assays in diagnostic medicine.
PO1GM-10402-12 0016 (GMP) GALSTER, WILLIAM. Zoophysiology in Alaska-Cyclic responses in the snowshoe hare.	PO1GM-10548-12 0006 (SSS) WAGNER, HENRY N JR. Nuclear instrumentation and chemistry in medicine-Pathophysiological studies (human).
PO1GM-10402-12 0018 (GMP) FEIST, DALE D. Zoophysiology in Alaska-Brain amines (ground squirrels).	RO1GM-10613-12 (BIO) FIFE, THOMAS M, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Enzymatic and non-enzymatic reactions of acetals.
PO1GM-10402-12 0019 (GMP) IRVING, LAURENCE. Zoophysiology in Alaska-Marine mammals by coastal residents (human, seals, whales).	RO1GM-10692-12 (BBCB) ANDEREGG, JOHN W, UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Biophysical studies on macromolecules (E coli, yeasts).
PO1GM-10402-12 0020 (GMP) GALSTER, WILLIAM. Zoophysiology in Alaska-Effects of marathon run on untrained person.	RO1GM-10704-12 (BBCB) ROSENMANN, MICHAEL G, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Structural studies of protein subunits (dogfish, pigs, lobster).
PO1GM-10402-12 0021 (GMP) PENNEY, R L. Zoophysiology in Alaska-Extended work periods in arctic cold (human).	RO1GM-10717-12 (MBY) REICH, EDWARD, ROCKEFELLER UNIVERSITY, 66TH ST & YORK AVENUE, NEW YORK, N Y. Nucleic acid metabolism of mammalian cells in culture.
PO1GM-10402-12 0022 (GMP) DOI, K. Zoophysiology in Alaska-Free fatty acid in acute cold exposure (human).	RO1GM-10791-12 (PC) KELLER, ELIZABETH B, CORNELL UNIVERSITY, DIV OF BIOLOGICAL SCIENCES, ITHACA, N Y. Mechanism of biosynthesis of proteins (wheat, yeast, cattle, mice, E coli).
PO1GM-10402-12 0023 (GMP) MILLER, KEITH L. Zoophysiology in Alaska-Function of nerves in cyclic population 'crash' of snowshoe hares.	RO1GM-10793-12 (PC) DAVIE, EARL W, UNIV OF WASHINGTON SCH OF MED, DEPARTMENT OF BIOCHEMISTRY, SEATTLE, WASH. Mechanism of enzyme catalysis (bacteria, viruses, human, cattle).
PO1GM-10402-12 0024 (GMP) MILLER, KEITH L. Zoophysiology in Alaska-Metabolism and temperature regulation of marine mammals (seals, small birds).	RO1GM-10797-09 (SSS) LEDLEY, ROBERT S, NAT'L BIOMEDICAL RES FDM, GEORGETOWN UNIV MED CTR, WASHINGTON, D C. Pattern recognition in clinical medical laboratories.
PO1GM-10402-12 0025 (GMP) FEIST, DALE D. Zoophysiology in Alaska-Sympathoadrenal responses in seasonal acclimatization to cold.	RO1GM-10797-09 0001 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Special purpose chromosome analysis computer and scanner.
PO1GM-10402-12 0026 (GMP) MORRISON, PETER B. Zoophysiology in Alaska-Bioenergetic aspects of physiology in the sea otter.	RO1GM-10797-09 0002 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Color scanner.
PO1GM-10402-12 0027 (GMP) KOKJER, KENNETH JR. Zoophysiology in Alaska-Real time laboratory processing (animals).	RO1GM-10797-09 0003 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-TEXAC, the high speed texture evaluation auxiliary computer.
PO1GM-10402-12 0028 (GMP) MILLER, KEITH L. Zoophysiology in Alaska-Function of brown fat in hibernation.	RO1GM-10797-09 0004 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-White blood cell analysis.
PO1GM-10402-12 0029 (GMP) GALSTER, WILLIAM. Zoophysiology in Alaska-Mercury contamination of marine animals used for food.	RO1GM-10797-09 0005 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Papanicolaou smears.
PO1GM-10402-12 0030 (GMP) FEIST, DALE D. Zoophysiology in Alaska-Excretion of catecholamines during 14 daily 12-hour walks.	RO1GM-10797-09 0006 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Lung X-rays.
PO1GM-10402-12 0031 (GMP) ROSENMANN, MARIO. Zoophysiology in Alaska-Modification of standard step test to assess physical fitness.	RO1GM-10797-09 0007 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Bone evaluation from X-rays.
PO1GM-10402-12 0032 (GMP) BURGESS, STEPHEN. Zoophysiology in Alaska-Balances of food and effort in an eskimo village.	RO1GM-10797-09 0008 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Echocardiography.
PO1GM-10402-12 0033 (GMP) WEST, GEORGE C. Zoophysiology in Alaska-Nutrition in northern populations.	RO1GM-10797-09 0009 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Thermography.
PO1GM-10402-12 0034 (GMP) FEIST, DALE D. Zoophysiology in Alaska-Changes in snowshoe rabbits during their 10-year cycle.	
PO1GM-10402-12 0035 (GMP) MORRISON, PETER B. Zoophysiology in Alaska-Genetic relations through amino acid composition and sequence in proteins.	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1GM-10797-09 0010 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Nuclear medicine.
- RO1GM-10797-09 0011 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Electron micrograph of brain tissue.
- RO1GM-10797-09 0012 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Cineangiogram.
- RO1GM-10797-09 0013 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Retinal fluorescence cinematography (human).
- RO1GM-10797-09 0014 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Bacteriology slide scanning.
- RO1GM-10797-09 0015 (SSS) LEDLEY, ROBERT S. Pattern recognition in clinical medical laboratories-Lung sections for emphysema tests using electronic scanning and computer.
- RO1GM-10819-12 (GEN) VON WETTSTEIN, DITER H, UNIVERSITY OF COPENHAGEN, INSTITUTE OF GENETICS, DK-1353 COPENHAGEN K, DENMA. Genetic control of macromolecular cell structures (grains, viruses, fungi).
- RO1GM-10828-20 (BBCA) JENSEN, LYLE H, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Structure of biologically important compounds.
- RO1GM-10829-16 (BBCA) DOUGLAS, BODIE E, UNIVERSITY OF PITTSBURGH, DEPT OF CHEMISTRY, PITTSBURGH, PA. Optically active coordination compounds.
- RO1GM-10831-15 (BBCA) LASKOWSKI, MICHAEL, JR, PURDUE UNIVERSITY, DEPT OF CHEMISTRY, LAFAYETTE, IND. Chemistry of local environments in protein.
- RO1GM-10840-16 (BBCA) TINOCO, IGNACIO, JR, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Structure and function of nucleic acids (microorganisms).
- RO1GM-10848-17 (BBCB) MANDELL, LEON, EMORY UNIVERSITY, DEPARTMENT OF CHEMISTRY, ATLANTA, GA. NMR spectroscopy of biologically important compounds (human).
- RO1GM-10851-17 (MCHB) GIDDINGS, J CALVIN, UNIVERSITY OF UTAH, DEPARTMENT OF CHEMISTRY, SALT LAKE CITY, UTAH. Biomedical separations-A basic approach.
- RO1GM-10865-15 (BBCA) ALBRECHT, ANDREAS C, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N Y. Basic photoelectric studies in organic solid state.
- RO1GM-10867-13 (BBCA) FREEMAN, HANS C, SYDNEY 2006, AUSTRALIA, UNIVERSITY OF SYDNEY, SYDNEY 2006, AUSTRALIA. Crystal structures of some metal-peptide complexes.
- RO1GM-10880-15 (BBCA) YANG, JEN T, UNIVERSITY OF CALIFORNIA, 825 HSW, SAN FRANCISCO, CALIF. Optical rotatory power of biopolymers.
- RO1GM-10906-13 (BBCB) GIBBS, JULIAN M, BROWN UNIVERSITY, DEPT OF CHEMISTRY, PROVIDENCE, R I. Statistical mechanics of biological macromolecules.
- RO1GM-10928-12 (BBCB) KBAUT, JOSEPH, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Crystallographic study of biological molecules (bacteria).
- RO1GM-10933-12 (MBC) NYC, JOSEPH F, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Lipid aberrations in mutant strains of neurospora.
- RO1GM-10937-12 (MCHA) BROWN, HERBERT C, PURDUE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAFAYETTE, IND. Stereospecific synthesis via hydroboration.
- RO1GM-10978-09 (SSS) TOREN, E CLIFFORD, JR, UNIVERSITY HOSPITAL, 1300 UNIVERSITY AVENUE, MADISON, WIS. Automation of on-line enzyme studies.
- RO1GM-10991-15 (BBCA) DAVIDSON, NORMAN R, CALIFORNIA INST OF TECHNOLOGY, DEPT OF CHEMISTRY, PASADENA, CALIF. Physical chemistry of nucleic acids (viruses, bacteria).
- RO1GM-10999-10 (BIO) UNGREL, JERRY B, COLLEGE OF MEDICINE, EDEN AND BETHESDA AVENUES, CINCINNATI, OHIO. Mammalian messenger RNA and protein biosynthesis (mice).
- RO1GM-11024-11 (MBC) OXENDER, DALE L, UNIVERSITY OF MICHIGAN, 5319 MEDICAL SCIENCE BLDG I, ANN ARBOR, MICH. Characterization of membrane transport components (bacteria, animals).
- RO1GM-11040-11 (PC) BRIGHT, HAROLD J, UNIVERSITY OF PENNSYLVANIA, 358 ANATOMY-CHEMISTRY BLDG, PHILADELPHIA, PA. Mechanism of enzyme action (bacteria).
- RO1GM-11061-12 (PC) SMITH, EMIL L, UNIV OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Structure/properties of proteins and enzymes (plants, mammals, fungi, bacteria).
- RO1GM-11071-12 (BBCA) BRANDTS, JOHN F, UNIVERSITY OF MASSACHUSETTS, DEPT OF CHEMISTRY, AMHERST, MASS. Free energy of folding of globular proteins (human).
- RO1GM-11072-12 (BBCB) ROBERTS, JOHN D, CALIFORNIA INST OF TECHNOLOGY, CRELIN LABORATORY, PASADENA, CALIF. Nitrogen-15 and Carbon-13 NMR spectroscopy.
- RO1GM-11094-12 (PC) BOYER, PAUL D, UNIV OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, LOS ANGELES, CALIF. Enzymic phosphorylations and related mechanisms (bacteria).
- RO1GM-11105-12 (BIO) ADAMS, ELIJAH, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Metabolism of certain amino acids (earthworm, rats).
- RO1GM-11106-11 (PC) MASSEY, VINCENT, 3441 MEDICAL SCIENCE I, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. Biological oxidation mechanisms (bacteria).
- RO1GM-11180-11 (BBCB) HEARST, JOHN E, UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, BERKELEY, CALIF. Physical chemistry of deoxyribonucleic acid (Drosophila, mice).
- RO1GM-11214-11 (MBY) WATSON, STANLEY W, WOODS HOLE OCEANOGRAPHIC INST, WOODS HOLE, MASS. Structure and function of membranes in nitrifying bacteria.
- RO1GM-11216-11 (GEN) HUSBY, JOHN L, UNIVERSITY OF CHICAGO, 1103 E 57TH STREET, CHICAGO, ILL. Genetic studies of protein differences (Drosophila).
- RO1GM-11223-12 (BBCA) WEBER, GREGORIO, UNIVERSITY OF ILLINOIS, DEPARTMENT OF BIOCHEMISTRY, URBANA, ILL. Protein configuration by fluorescence techniques.
- RO1GM-11293-11 (BBCA) JEFFREY, GEORGE A, UNIVERSITY OF PITTSBURGH, DEPT OF CRYSTALLOGRAPHY, PITTSBURGH, PA. Crystal structural studies in carbohydrate chemistry.
- RO1GM-11300-11 (BIO) MYERS, JACK E, UNIVERSITY OF TEXAS, PATTERSON BUILDING 328, AUSTIN, TEX. Metabolic controls in light-driven metabolism (blue-green algae).
- RO1GM-11301-12 (VR) AUGUST, J T, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS AVENUE, BRONX, N Y. Structure, function and biosynthesis of macromolecules.
- RO1GM-11301-12 0002 (VR) SILVERMAN, P. Structure, function and biosynthesis of macromolecules-Control mechanism in synthesis of macromolecules (Blastocladiella, phage).
- RO1GM-11301-12 0003 (VR) AUGUST, J THOMAS. Structure, function and biosynthesis of macromolecules-RNA-directed RNA synthesis and RNA virus replication (viruses, bacteria, human).
- RO1GM-11301-12 0005 (VR) SOFFER, R L. Structure, function and biosynthesis of macromolecules-Protein modifying reactions in vitro (mammals).
- RO1GM-11301-12 0006 (VR) SHAPIRO, LUCILLE. Structure, function and biosynthesis of macromolecules-Control of gene expression during prokaryotic developmental processes (bacteria).
- RO1GM-11301-12 0008 (VR) AUGUST, J THOMAS. Structure, function and biosynthesis of macromolecules-Control of gene expression and metabolic pathways (chick embryo).
- RO1GM-11301-12 0009 (VR) DAVID, CHARLES N. Structure, function and biosynthesis of macromolecules-Molecular and cellular mechanisms of morphogenesis.
- RO1GM-11373-11 (MCHB) WINEFORDNER, JAMES D, UNIVERSITY OF FLORIDA, DEPARTMENT OF CHEMISTRY, GAINESVILLE, FLA. Phosphorimetric analysis of drugs in blood and urine (human).
- RO1GM-11422-11 (SSS) LING, GILBERT N, DEPT OF MOLECULAR BIOLOGY, PENNSYLVANIA HOSPITAL, PHILADELPHIA PA. Cell water, ions and control mechanisms.
- RO1GM-11422-11 0001 (SSS) LING, GILBERT N. Cell water, ions and control mechanisms-Cell water and its properties (frogs, birds).
- RO1GM-11422-11 0002 (SSS) LING, GILBERT N. Cell water, ions and control mechanisms-Physical state of K⁺ and other ions in cells (frogs).
- RO1GM-11422-11 0003 (SSS) LING, GILBERT N. Cell water, ions and control mechanisms-Cooperative transition and its control in cell function (frogs).
- RO1GM-11422-11 0004 (SSS) LING, GILBERT N. Cell water, ions and control mechanisms-Molecular mechanism of resting potential-its relation to ion distribution (frog).
- RO1GM-11422-11 0005 (SSS) LING, GILBERT N. Cell water, ions and control mechanisms-Estimation of extracellular space (frogs).
- RO1GM-11494-11 (MBY) WILLIS, JOHN S, UNIVERSITY OF ILLINOIS, DEPT OF PHYSIOLOGY & BIOPHYS, URBANA, ILL. Ion transport in tissues of hibernating mammals.
- RO1GM-11518-11 (BIO) GILHAM, PETER T, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, WEST LAFAYETTE, IND. Fine structure of nucleic acids.
- RO1GM-11520-11 (MCHA) STEVENS, CALVIN L, WAYNE STATE UNIVERSITY, 221 CHEMISTRY BUILDING, DETROIT, MICH. Six-Deoxy-4-keto and 4-, 6-dideoxy sugars (bacteria).
- RO1GM-11546-11 (GMP) COCKERHAM, C CLARK, NORTH CAROLINA STATE UNIV, BOX 5457, RALEIGH, N C. Quantitative genetics research (Drosophila, maize, spiders, bacteria).
- RO1GM-11598-11 (PHRA) GOSSELIN, ROBERT E, DEPT OF PHARMACOLOGY & TOX, DARTMOUTH MED SCH, HANOVER, N H. Drug effects on salivary transport across epithelia (frogs, hamsters).
- RO1GM-11632-11 (BBCA) BRAND, LUDWIG, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STS, BALTIMORE, MD. Fluorescence in studies of enzyme mechanisms (bacteria, lagomorphs, guinea pigs).
- RO1GM-11653-14 (BBCB) ABRAHAMSSON, SIXTEN, UNIVERSITY OF GOTEBOURG, CRYSTALLOGRAPHY GROUP, S-400 33 GOTEBOURG 33, SWED. Molecular arrangement in complex lipids.
- RO1GM-11726-11 (GEN) ATTARDI, GIUSEPPE, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Gene expression and content in cell differentiation (human, mice).
- RO1GM-11738-10 (BIO) SANTER, MELVIN, BIOLOGY DEPT, HAVERFORD COLLEGE, HAVERFORD, PA. Primary structure.
- RO1GM-11741-09 (BBCA) LOACH, PAUL A, NORTHWESTERN UNIVERSITY, DEPT OF CHEMISTRY, EVANSTON, ILL. Primary redox changes in photosynthesis (bacteria).
- RO1GM-11754-11 (CBY) BARNARD, ERIC A, S U N Y AT BUFFALO, MAIN STREET, BUFFALO, N Y. Autoradiographic studies of receptors and enzymes (monkeys, rodents, chickens).
- RO1GM-11762-10 (BBCB) SCHRIER, EUGENE E, STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF CHEMISTRY, BINGHAMTON, N Y. Effects of salts on interactions in aqueous media.
- RO1GM-11764-09 (PC) PLUMMER, THOMAS H, JR, NEW YORK STATE DEPT OF HEALTH, NEW SCOTLAND AVENUE, ALBANY, N Y. Studies on pancreatic proteins (pigs, human).
- RO1GM-11777-11 (GEN) FOX, ALLEN S, UNIVERSITY OF WISCONSIN, LABORATORY OF GENETICS, MADISON, WIS. Gene transformation and genetic molecular development (Drosophila).
- RO1GM-11782-11 (MBB) VOLPE, E PETER, TULANE UNIVERSITY, DEPARTMENT OF BIOLOGY, NEW ORLEANS, LA. Genetic aspects of tissue transplantation (frogs).
- RO1GM-11788-11 (BIO) STARK, GEORGE R, STANFORD UNIV SCH OF MED, DEPARTMENT OF BIOCHEMISTRY, STANFORD, CALIF. Mechanisms of catalysis and allosteric control (E coli).
- RO1GM-11803-09 (EDC) WYSHAK, GRACE, YALE UNIVERSITY, 60 COLLEGE STREET, NEW HAVEN, CONN. Twinning among twins and their relatives.
- RO1GM-11839-11 (PC) WOOD, HARLAND G, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Utilization of CO₂ and the total synthesis of acetate (bacteria).
- RO1GM-11852-11 (MBY) WILSKA, ALVAR P, UNIVERSITY OF ARIZONA, DEPARTMENT OF PHYSICS, TUCSON, ARIZ. Low-voltage electron microscopy.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1GM-11873-11 (MBY) WOLFE, STEPHEN L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, DAVIS, CALIF. Fine structure of chromosomes (human).	RO1GM-12394-10 (BBCB) BENNETT, HELMUT, UNIVERSITY OF WISCONSIN, 1710 UNIVERSITY AVENUE, MADISON, WIS. Components and pathways in biological oxidations (microorganisms, mammals, human).
RO1GM-11895-11 (GEN) HALL, BENJAMIN D, UNIVERSITY OF WASHINGTON, DEPT OF GENETICS, SEATTLE, WASH. The mechanism of gene activation during development (microorganisms).	RO1GM-12395-10 (PC) BOCK, ROBERT M, UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Determination of transfer ribonucleic acid structure (yeasts).
RO1GM-11899-11 (MBC) MC FALL, ELIZABETH, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Control mechanisms in enzyme biosynthesis (bacteria).	RO1GM-12422-10 (MBY) LOEWUS, FRANK A, STATE UNIV OF NEW YORK, DEPARTMENT OF BIOLOGY, BUFFALO, N. Y. Inositol metabolism (plants, algae).
RO1GM-11916-11 (BIO) ZIMM, BRUNO H, UNIV OF CALIFORNIA SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Nucleic acids and chromosomal DNA (bacteria).	RO1GM-12427-10 (MBY) GALL, JOSEPH G, YALE UNIVERSITY, 418 KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Organization of animal cell nuclei (insects, toads).
RO1GM-11946-12 (PC) MARMUR, JULIUS, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BROOK, N. Y. Properties of transforming and infectious DNAs (microorganisms).	RO1GM-12446-10 (BBCB) COHN, MILDRED, UNIVERSITY OF PENNSYLVANIA, JOHNSON RESEARCH FOUNDATION, PHILADELPHIA, PA. NMR studies of macromolecules and their interactions (rabbits, lobsters, swine).
RO1GM-11973-09 (MCHB) FRYDMAN, BENJAMIN, FAC DE FARMACIA Y BIOQUIMICA, JUNIN 956, BUENOS AIRES - ARGENTINA. Biosynthetic intermediates of porphyrins.	RO1GM-12522-10 (BIO) UMBARGER, H EDWIN, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, WEST LAFAYETTE, IND. Enzymic mechanisms in biosynthetic pathways (microorganisms).
RO1GM-11976-10 (MCHB) HORTON, DEREK, DEPT OF CHEMISTRY, OHIO ST UNIV 140 WEST 18TH AVE, COLUMBUS, OHIO. Synthesis of biologically important carbohydrates.	PO1GM-12527-10 (GMP) COHEN, ELLIS N, STAMFORD UNIVERSITY MED CTR, DEPARTMENT OF ANESTHESIA, STAMFORD, CALIF. Anesthetic and related drugs.
RO1GM-11983-11 (MBC) LIN, EDMUND C, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Regulation of glycerol transport and metabolism (bacteria).	PO1GM-12527-10 0001 (GMP) COHEN, ELLIS N. Anesthetic and related drugs—Uptake, distribution and metabolism (human, animals).
RO1GM-12006-11 (BBCB) RICHARDS, FREDERIC M, YALE UNIVERSITY, BOX 1937 YALE STATION, NEW HAVEN, CONN. Proteins in solutions interfaces and solids.	PO1GM-12527-10 0002 (GMP) WILDON, BELLVILLE J. Anesthetic and related drugs—Respiratory pharmacology (human, dogs).
RO1GM-12010-11 (BIO) CHAMBERLIN, MICHAEL J, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, BERKELEY, CALIF. Enzymatic synthesis of nucleic acids (bacteria, viruses).	PO1GM-12527-10 0003 (GMP) KENDIG, JOAN L. Anesthetic and related drugs—Neuropharmacology (human, mammals, invertebrates).
RO1GM-12053-11 (PC) KAJI, AKIRA, UNIVERSITY OF PENNSYLVANIA, DEPT OF MICROBIOLOGY, PHILADELPHIA, PA. Biochemical control of macromolecular synthesis (E coli, phage).	PO1GM-12527-10 0004 (GMP) FORREST, WILLIAM H. Anesthetic and related drugs—Clinical pharmacology and research methodology (human, rabbits).
RO1GM-12074-11 (MEM) WIENER, ALEXANDER S, OFFICE OF THE CHIEF MED EXAM, 520 FIRST AVENUE, NEW YORK, N. Y. Blood groups in non-human primates (and human).	PO1GM-12527-10 0006 (GMP) BROWN, BYRON W. Anesthetic and related drugs—Biostatistics (human).
RO1GM-12121-10 (BBCB) DICKERSON, RICHARD E, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Structure and function of proteins (bacteria, tuna, plants).	PO1GM-12527-10 0007 (GMP) COHEN, ELLIS N. Anesthetic and related drugs—Chemistry and analytic techniques (human).
RO1GM-12152-10 (MCHB) MARGERUM, DALE W, PURDUE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAFAYETTE, IND. Metal ion transfer and catalysis in peptide complexes.	PO1GM-12527-10 0008 (GMP) FORREST, WILLIAM H. Anesthetic and related drugs—Bioassay and efficacy of analgesics and nighttime sedatives (human).
RO1GM-12159-11 (BBCA) SCHACHMAN, HOWARD K, UNIVERSITY OF CALIFORNIA, WENDEL M STANLEY HALL, BERKELEY, CALIF. Structures—interactions of biological macromolecules (E coli).	PO1GM-12527-10 0009 (GMP) FORREST, WILLIAM H. Anesthetic and related drugs—Bioassay for respiratory depression of analgesics and nighttime sedatives (human).
RO1GM-12176-10 (BBCB) SANDS, RICHARD H, UNIVERSITY OF MICHIGAN, 2200 BONSTEEL BLVD, ANN ARBOR, MICH. Redox reactions by optical and EPR spectrometry.	PO1GM-12527-10 0010 (GMP) FORREST, WILLIAM H. Anesthetic and related drugs—Bioassay of premedication (human).
RO1GM-12176-10 0001 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Physical studies of iron-sulfur proteins (bacteria, plants).	PO1GM-12527-10 0011 (GMP) VON DER GROEBEN, JOBST. Anesthetic and related drugs—Monitoring the cardiovascular system (human).
RO1GM-12176-10 0002 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Chemical studies on iron-sulfur proteins (bacteria, plants).	RO1GM-12551-10 (PC) BURNS, RICHARD O, DUKE UNIVERSITY MEDICAL CENTER, P O BOX 3020, DURHAM, N. C. Molecular mechanisms of biological control (bacteria).
RO1GM-12176-10 0003 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Crystallization of ferredoxin (plants, cattle).	RO1GM-12573-10 (PC) GOLDBERG, IRVING H, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Mechanism of action of cytotoxic drugs.
RO1GM-12176-10 0004 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Search for proteins which satisfy the ENDOR conditions.	RO1GM-12589-10 (BIO) CROTHERS, DONALD M, YALE UNIVERSITY, 225 PROSPECT STREET, NEW HAVEN, CONN. Structure and reactions of nucleic acids (E coli).
RO1GM-12176-10 0005 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Proton relaxation studies on flavoproteins.	RO1GM-12592-10 (MCHA) HOCHSTRASSER, ROBIN M, UNIVERSITY OF PENNSYLVANIA, 33RD AND WALNUT ST, PHILADELPHIA, PA. Photoprocesses in the organic solid state.
RO1GM-12176-10 0006 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Flavin auto-oxidation.	RO1GM-12596-08 (MCHB) RORABACHER, DAVID B, WAYNE STATE UNIVERSITY, DEPT OF CHEMISTRY, DETROIT, MICH. Solvent effects in coordination kinetics—Methanol.
RO1GM-12176-10 0007 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Xanthine oxidase.	RO1GM-12607-10 (BBCB) KONIGSBERG, WILLIAM, YALE UNIVERSITY SCHOOL OF MED, MOLECULAR BIOPHYS & BIOCH DEPT, NEW HAVEN, CONN. Protein structure and biological function (human, microorganisms, mice).
RO1GM-12176-10 0008 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Electron transfer in proteins (yeast).	RO1GM-12626-10 (MCHB) ANGELICI, ROBERT J, IOWA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, AMES, IOWA. Metal complex catalysis of biological reactions.
RO1GM-12176-10 0009 (BBCB) PALMER, GRAHAM A. Redox reactions by optical and EPR spectrometry—Complexes between electron transfer proteins (plants).	RO1GM-12633-11 (BIO) ABLES, ROBERT M, BRANDEIS UNIVERSITY, GRAD DEPARTMENT OF BIOCHEMISTR, WALTHAM, MASS. Enzyme mechanisms and enzyme inhibitors (rats).
RO1GM-12179-10 (MBY) COOK, JAMES R, UNIVERSITY OF MAINE, MURRAY HALL, ORONO, MAINE. Developmental control mechanisms (Euglena, B subtilis).	RO1GM-12640-10 (MCHA) CRAM, DONALD J, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, LOS ANGELES, CALIF. Asymmetric induction in synthesis and resolution.
PO1GM-12202-11 (GMP) CHANCE, BRITTON, UNIV OF PENNSYLVANIA, JOHNSON RESEARCH FOUNDATION, PHILADELPHIA, PA. Cellular energy metabolism.	RO1GM-12672-07 (MCHB) BURGESS, EDWARD M, SCH OF CHEMISTRY, GEORGIA INST OF TECHNOLOGY, ATLANTA, GA. The chemistry of N-sulfonylamines.
RO1GM-12228-11 (BIO) MAHLER, HENRY R, INDIANA UNIVERSITY, DEPT OF CHEMISTRY, BLOOMINGTON, IND. Biosynthesis of respiratory enzymes (fungi).	P11GM-12675-10 (PTR) TEPHLY, THOMAS R, COLLEGE OF MEDICINE, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Biochemical toxicology and pharmacology.
RO1GM-12281-10 (RAD) DUNN, FLOYD, UNIVERSITY OF ILLINOIS, BIOACOUSTICS RESEARCH LAB, URBANA, ILL. Ultrasonic absorption by biological materials (frogs, mice).	P11GM-12675-10 0008 (PTR) FISCHER, L J. Biochemical toxicology and pharmacology—Cyproheptadine induced beta cell lesions (rats, mice, rabbits).
RO1GM-12307-10 (BBCB) STRAUSS, ULRICH P, RUTGERS UNIVERSITY, SCHOOL OF CHEMISTRY, NEW BRUNSWICK, N. J. Specific counterion binding by polyelectrolytes.	P11GM-12675-10 0009 (PTR) FISCHER, L J. Biochemical toxicology and pharmacology—Enterohepatic circulation—Acetaminophen glucuronide and sulfate (rats, human).
RO1GM-12323-10 (GEN) WAGNER, ROBERT P, UNIVERSITY OF TEXAS AT AUSTIN, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX. Biochemical genetics.	P11GM-12675-10 0011 (PTR) ROBERTS, R J. Biochemical toxicology and pharmacology—ANIT alteration of noneuropoietic bilirubin production (rats).
RO1GM-12323-10 0001 (GEN) WAGNER, ROBERT P. Biochemical genetics—Heterogeneity of mitochondria in the house mouse.	P11GM-12675-10 0013 (PTR) ROBERTS, R J. Biochemical toxicology and pharmacology—Diminished hepatic excretory capacity induced by drugs (rodents, miniature pigs).
RO1GM-12323-10 0005 (GEN) GLATZER, LOUISE. Biochemical genetics—Isoleucine-valine mutants of Neurospora.	P11GM-12675-10 0014 (PTR) ROBERTS, R J. Biochemical toxicology and pharmacology—Chemical alterations of carbon monoxide induced hepatotoxicity and lethality.
RO1GM-12323-10 0012 (GEN) WAGNER, ROBERT P. Biochemical genetics—Mitochondrial tRNA's in Neurospora.	P11GM-12675-10 0024 (PTR) FISCHER, L J. Biochemical toxicology and pharmacology—Enterohepatic circulation of drugs in man—Glutathimide, mestranol, norethindrone.
RO1GM-12323-10 0013 (GEN) WAGNER, ROBERT P. Biochemical genetics—The IV pathway mutant enzymes of Neurospora.	P11GM-12675-10 0025 (PTR) FISCHER, L J. Biochemical toxicology and pharmacology—Role of drug metabolism in the toxicity of glutathimide (human, dogs, rodents).
RO1GM-12323-10 0014 (GEN) WAGNER, ROBERT P. Biochemical genetics—Mitochondrial protein synthesis.	P11GM-12675-10 0044 (PTR) TEPHLY, THOMAS R. Biochemical toxicology and pharmacology—Porphyrins—Regulation by substrates for glycine N-acylase.
RO1GM-12323-10 0015 (GEN) WAGNER, ROBERT P. Biochemical genetics—Ethidium bromide effect on mouse mitochondria.	
RO1GM-12323-10 0016 (GEN) WAGNER, ROBERT P. Biochemical genetics—Mitochondrial-virus association with a mouse lymphoma.	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P11GM-12675-10 0049 (PTR) TEPHLY, THOMAS R. Biochemical toxicology and pharmacology—Heme and hemoprotein synthesis—Drug metabolism, and pharmacology (rats, fish).
- P11GM-12675-10 0080 (PTR) TEPHLY, THOMAS R. Biochemical toxicology and pharmacology—Glucuronide formation—Morphine and P-nitrophenol (human, cat, rodents).
- P11GM-12675-10 0051 (PTR) BARON, J. Biochemical toxicology and pharmacology—Drug and steroid oxidations in liver and adrenal cortex (mammals, human).
- P11GM-12675-10 0052 (PTR) BARON, J. Biochemical toxicology and pharmacology—Adrenodoxin in hydroxylations mediated by cytochrome P-450 (mammals, human).
- P11GM-12675-10 0053 (PTR) ROBERTS, R. J. Biochemical toxicology and pharmacology—Hepatotoxicity of various agents in fetus, newborn and adult animals (rats, mice).
- P11GM-12675-10 0054 (PTR) TEPHLY, THOMAS R. Biochemical toxicology and pharmacology—Development of alcohol oxidizing systems (rats, human).
- P11GM-12675-10 0055 (PTR) FISCHER, L. J. Biochemical toxicology and pharmacology—Islet cell degeneration caused by cyproheptadine and other drugs (rats, mice).
- P11GM-12675-10 0056 (PTR) VAN, ORDEN L. S. Biochemical toxicology and pharmacology—Effects of drugs on hypothalamic control of gonadotropin release.
- P11GM-12675-10 0057 (PTR) SHIRES, T. Biochemical toxicology and pharmacology—Chemical carcinogens and polysome association with endoplasmic reticulum (rats).
- RO1GM-12702-10 (GEN) SHERMAN, FRED, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Genetic control of cytochrome C in yeast.
- RO1GM-12748-10 (SGYA) RAPAPORT, FELIX T, NEW YORK UNIVERSITY, 560 FIRST AVENUE, NEW YORK, N. Y. Mechanism of cell damage in severe burns (mice, rats).
- RO1GM-12783-09 (MCHR) HUNT, JOHN B, CATHOLIC UNIVERSITY OF AMERICA, CHEMISTRY DEPARTMENT, WASHINGTON, D. C. Stereochemical effects in metal ion redox reactions.
- RO1GM-12805-10 (PC) MC CARTY, KENNETH S, DUKE UNIV MEDICAL CENTER, DEPARTMENT OF BIOCHEMISTRY, DURHAM, N. C. Labeled RNA associated with nuclear ribosomes (liver cells, mammals).
- RO1GM-12829-10 (SGYB) HUNT, THOMAS K, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Wound healing.
- RO1GM-12829-10 0003 (SGYB) HUNT, THOMAS K. Wound healing—Effects of added oxygen on wound healing (human).
- RO1GM-12829-10 0084 (SGYB) HUNT, THOMAS K. Wound healing—Dynamics of antibiotics in wounds (human).
- RO1GM-12829-10 0005 (SGYB) HUNT, THOMAS K. Wound healing—Effect of cortisone and vitamin A on wound infection (human).
- RO1GM-12829-10 0006 (SGYB) HUNT, THOMAS K. Wound healing—Effect of vitamin A on immunosuppression by cortisone (mice).
- RO1GM-12829-10 0007 (SGYB) HUNT, THOMAS K. Wound healing—Effects of fluorinated corticoids on collagen synthesis, lysis in wounds (human).
- RO1GM-12829-10 0008 (SGYB) HALE JOHN. Wound healing—Wound healing research in collagen synthesis and lysis (human).
- RO1GM-12829-10 0009 (SGYB) HUNT, THOMAS K. Wound healing—Hepatic regeneration (rats).
- RO1GM-12829-10 0010 (SGYB) HUNT, THOMAS K. Wound healing—Vitamin A deficiency in wound healing (rats, human).
- RO1GM-12829-10 0012 (SGYB) HUNT, THOMAS K. Wound healing—Conjunctival oxygen tension (human, rabbits).
- RO1GM-12829-10 0013 (SGYB) HUNT, THOMAS K. Wound healing—Collagen antibodies and wound healing in thermal injury (human, guinea pigs).
- RO1GM-12829-10 0016 (SGYB) HUNT, THOMAS K. Wound healing—Replication rate and enzyme activity in fibroblast (mammals).
- RO1GM-12829-10 0017 (SGYB) HUNT, THOMAS K. Wound healing—Oxygen supply and resistance to infection (rabbits).
- RO1GM-12829-10 0018 (SGYB) HUNT, THOMAS K. Wound healing—Gamma globulin levels on wound fluid (human).
- RO1GM-12829-10 0019 (SGYB) HUNT, THOMAS K. Wound healing—Normal colon healing (rats).
- RO1GM-12832-09 (MCHA) RITCHIE, CALVIN D, STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF CHEMISTRY, BUFFALO, N. Y. Proton transfer reactions.
- PO1GM-12847-10 (SSS) GREEN, DAVID E, INSTITUTE FOR ENZYME RESEARCH, 1710 UNIVERSITY AVENUE, MADISON, WIS. Molecular biology of membrane systems.
- PO1GM-12847-10 0019 (SSS) KASSLER, RALPH. Molecular biology of membrane systems—Structure of biological membranes.
- PO1GM-12847-10 0020 (SSS) WAKABAYASHI, T. Molecular biology of membrane systems—Fusion of biological membranes.
- PO1GM-12847-10 0022 (SSS) SOUTHWARD, J. H. Molecular biology of membrane systems—Transprotonase and energized release of protons.
- PO1GM-12847-10 0023 (SSS) GREEN, DAVID E. Molecular biology of membrane systems—Mitochondrial control system.
- PO1GM-12847-10 0024 (SSS) OZAWA, T. Molecular biology of membrane systems—Supermolecule and control of coupling options.
- PO1GM-12847-10 0025 (SSS) GREEN, DAVID E. Molecular biology of membrane systems—Energy coupling in mitochondria and other bioenergetics systems.
- RO1GM-12848-10 (MCHA) HARRIS, THOMAS M, VANDERBILT UNIVERSITY, BOX 1715 STATION B, NASHVILLE, TENN. Tetracycline and related phenolic natural products.
- RO1GM-12855-10 (MCHA) STREITWIESER, ANDREW, JR, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. The acidity of hydrocarbons.
- RO1GM-12862-10 (BBCA) EYRING, HENRY, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Effects of structure on biological mechanisms.
- RO1GM-12873-10 (MAY) SIEGEL, BENJAMIN M, CORNELL UNIVERSITY, DEPT OF APPL & ENGR PHYS, ITHACA, N. Y. Biomolecular structure by electron microscopy.

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- RO1GM-12934-10 (PC) HAYASHI, MASAKI, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Synthesis of infectious bacteriophage particles.
- RO1GM-12953-25 (GEN) SRR, ADRIAN M, CORNELL UNIVERSITY, 219 BRADFIELD HALL, ITHACA, N. Y. Developmental genetic studies of Neurospora.
- RO1GM-13000-09 (MCHB) RUSSELL, GLEN A, IOWA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, AMES, IOWA. Applications of ESR spectroscopy.
- RO1GM-13017-09 (GEN) BECKWITH, JONATHAN R, HARVARD MEDICAL SCHOOL, DEPT OF BACTERIOLOGY & IMMUN, BOSTON, MASS. The chromosomal sites regulating operon expression (E coli).
- RO1GM-13037-10 (PC) MEHLER, ALAN M, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Structural and biological properties of tRNA (E coli).
- RO1GM-13116-09 (PC) STUBHR, JOHN E, CASE WESTERN RESERVE UNIV, DEPT OF CHEMISTRY, CLEVELAND, OHIO. Kinetic investigation of biochemical reactions.
- RO1GM-13191-10 (BBCA) FEHER, GEORGE, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. ESR experiments on model photosynthetic systems (bacteria).
- RO1GM-13215-09 (BBCA) STELLWAGEN, EARLE C, UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Structure-function studies of cytochrome C (horses).
- RO1GM-13221-09 (GEN) MOSIG, GISELA, DEPT OF MOLECULAR BIOLOGY, VANDERBILT UNIVERSITY, NASHVILLE, TENN. Genetic recombination and replication in bacteriophage (E coli).
- RO1GM-13235-09 (BIO) BERG, PAUL, STANFORD UNIV SCHOOL OF MED, DEPARTMENT OF BIOCHEMISTRY, STANFORD, CALIF. Mechanisms and regulation of gene expression (viruses, monkeys).
- PO1GM-13242-09 (GMP) MALONEY, JAMES V, JR, UNIVERSITY OF CALIFORNIA, CENTER FOR HEALTH SCIENCES, LOS ANGELES, CALIF. UCLA inter-science research project.
- PO1GM-13244-10 (GMP) GLASER, DONALD A, UNIVERSITY OF CALIFORNIA, 229 MBYL, BERKELEY, CALIF. Scanner-computer investigations of biological systems (microorganisms).
- RO1GM-13246-17 (MCHA) LEETE, EDWARD, UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. Metabolism of natural products of medicinal interest (plants).
- RO1GM-13280-11 (GEN) DOERMANN, AUGUST H, UNIVERSITY OF WASHINGTON, DEPARTMENT OF GENETICS SJ-10, SEATTLE, WASH. Investigation of genetic problems with bacteriophages.
- RO1GM-13292-10 (BBCA) HAMMES, GORDON G, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N. Y. Kinetics of physiologically important reactions (rabbits, bacteria, cattle).
- RO1GM-13306-09 (MCHA) BENKOVIC, STEPHEN J, PENNSYLVANIA STATE UNIVERSITY, 152 DAVEY LABORATORY, UNIVERSITY PARK, PA. Phosphate activation mechanisms (Aspergillus oryzae).
- RO1GM-13326-03 (COM) PARDUE, HARRY L, PURDUE UNIVERSITY, DEPT OF CHEMISTRY, LAFAYETTE, IND. Automation of analytical methods for enzymes.
- RO1GM-13344-09 (PC) HURWITZ, JERARD, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Macromolecular alteration and synthesis (bacteria, bacteriophage, calf tissue).
- RO1GM-13366-09 (BBCB) JENSEN, LYLE H, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Crystallographic study of proteins (bacteria, plants, cattle).
- RO1GM-13401-09 (BBCA) TELLER, DAVID C, UNIVERSITY OF WASHINGTON, DEPT OF BIOCHEMISTRY, SEATTLE, WASH. Association reactions of enzymes (rabbits, cattle, swine).
- RO1GM-13434-09 (GEN) BELLO, LEONARD J, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Transcription and translation in mammalian cells.
- RO1GM-13435-09 (GEN) ORGEL, LESLIE E, SALK INST FOR BIOL STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Evolution of genetic specificity.
- RO1GM-13455-09 (MCHA) KEMP, DANIEL S, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Synthesis and reactions of peptides.
- RO1GM-13482-07 (EDC) HOWELLS, WILLIAM W, HARVARD UNIVERSITY, PEABODY MUSEUM, CAMBRIDGE, MASS. Medical-anthropological studies in Solomon Islands.
- RO1GM-13498-09 (MCHB) SPIRO, THOMAS G, PRINCETON UNIVERSITY, DEPARTMENT OF CHEMISTRY, PRINCETON, N. J. Metal centers in biological systems.
- RO1GM-13511-09 (GEN) GOLDBERG, EDWARD B, TUFTS UNIV SCHOOL OF MEDICINE, 136 HARRISON AVENUE, BOSTON, MASS. Genetic content and recombination of DNA fragments (viruses, bacteria).
- PO1GM-13545-09 (GMP) BENDITT, EARL P, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PATHOLOGY, SEATTLE, WASH. Cellular and molecular pathology.
- PO1GM-13543-09 0001 (GMP) MARTIN, GEORGE M. Cellular and molecular pathology—Replicative life-span of human fibroblasts (human, animals).
- PO1GM-13543-09 0002 (GMP) REICHENBACH, DENNIS. Cellular and molecular pathology—Catecholamines release and cardiac injury (human).
- PO1GM-13543-09 0004 (GMP) PAGE, ROY. Cellular and molecular pathology—Structure of collagen (human, dogs).
- PO1GM-13543-09 0008 (GMP) SMUCKLER, EDWARD A. Cellular and molecular pathology—RNA transcription and cell proliferation.
- PO1GM-13543-09 0009 (GMP) ROSS, RUSSELL. Cellular and molecular pathology—Influence of hormones on wound healing in humans (rats).
- PO1GM-13543-09 0014 (GMP) BENDITT, EARL P. Cellular and molecular pathology—Vascular repair (human, rats).
- PO1GM-13543-09 0015 (GMP) WOLF, N. S. Cellular and molecular pathology—Regeneration in the hematopoietic system (mice).
- PO1GM-13543-09 0016 (GMP) LAGUNOFF, D. Cellular and molecular pathology—Mast cells in response to injury.
- PO1GM-13543-09 0017 (GMP) HELLSTROM, K. E. Cellular and molecular pathology—Immunological factors in response of tissues to injury.
- PO1GM-13543-09 0018 (GMP) RARKER, E. A. Cellular and molecular pathology—Drug metabolizing systems in livers of hospitalized patients (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-13554-09 (VR) SINSHEIMER, ROBERT L. DIVISION OF BIOLOGY, CALIFORNIA INST OF TECHNOLOGY, PASADENA, CALIF. Structure and replication of bacterial viruses.
- RO1GM-13556-10 (BBCB) FIXMAN, MARSHALL, YALE UNIVERSITY, 225 PROSPECT STREET, NEW HAVEN, CONN. Problems in theoretical chemistry and polymers.
- RO1GM-13557-08 (SSS) POWERS, EDWARD L. THE UNIVERSITY OF TEXAS, LABORATORY OF RADIATION BIO, AUSTIN, TEX. Physico-chemical studies of cellular radiation injury (microorganisms).
- RO1GM-13598-09 (MCHA) TROST, BARRY M. UNIVERSITY OF WISCONSIN, 1101 UNIVERSITY AVENUE, MADISON, WIS. Steroids, prostaglandins-synthetic designs.
- RO1GM-13626-09 (MBC) GALLANT, JONATHAN A. UNIVERSITY OF WASHINGTON, DEPARTMENT OF GENETICS, SK-50, SEATTLE, WASH. Control of RNA synthesis.
- RO1GM-13631-09 (GEN) LEPEVRE, GEORGE, JR. CALIFORNIA STATE UNIV FDN, DEPT OF BIOLOGY, NORTHBRIDGE, CALIF. Comparative studies on induced mutation in *Drosophila*.
- RO1GM-13638-09 (MCHB) TAUBE, HENRY, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF. Organic groups in redox reactions of metal ions.
- RO1GM-13641-09 (BIO) SANADI, D RAO, BOSTON BIOMEDICAL RESEARCH INS, 20 STANFORD STREET, BOSTON, MASS. Oxidative phosphorylation (cattle).
- RO1GM-13651-09 (MCHB) BRESLOW, RONALD C. COLUMBIA UNIVERSITY, DEPT OF CHEMISTRY, NEW YORK, N Y. Synthesis of novel conjugated molecules.
- RO1GM-13684-08 (BBCB) APPELQUIST, JON B. IOWA STATE UNIVERSITY, DEPT OF BIOCHEMISTRY & BIOPHYS, AMES, IOWA. Structures of optically active macromolecules.
- RO1GM-13689-08 (MCHA) ANSELME, JEAN-PIERRE L. UNIVERSITY OF MASSACHUSETTS, 100 ARLINGTON STREET, BOSTON, MASS. N-azidamines.
- RO1GM-13728-09 (MET) GROSSMAN, ALBERT, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Enzyme induction and subsequent inactivation (rats).
- RO1GM-13745-09 (CBY) NICKLAS, R BRUCE, DUKE UNIVERSITY, DEPARTMENT OF ZOOLOGY, DURHAM, N C. Analysis and control of chromosome movement (mice, insects, amphibians).
- RO1GM-13762-09 (PC) BONNIER, JAMES F. CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Molecular basis of genetic control (rat, *Drosophila*, mold, sea urchin, toad).
- RO1GM-13767-09 (BBCA) LERMAN, LEONARD S. VANDERBILT UNIVERSITY, BOX 1818 STATION B, NASHVILLE, TENN. Molecular aspects of mutation (bacteria, viruses).
- RO1GM-13777-09 (BIO) KALLEN, ROLAND G. UNIVERSITY OF PENNSYLVANIA, DEPT OF BIOCHEMISTRY, PHILADELPHIA, PA. Mechanism of biochemical C-C and C-N bond formation.
- RO1GM-13827-08 (COM) KEMPTHORNE, OSCAR, IOWA STATE UNIVERSITY, STATISTICAL LABORATORY, AMES, IOWA. Research in mathematical and statistical genetics.
- RO1GM-13863-09 (PC) LAW, JOHN H. UNIVERSITY OF CHICAGO, 920 EAST 58TH STREET, CHICAGO, ILL. Lipid metabolism (swine, primates).
- RO1GM-13864-09 (BIO) KUEHL, LEROY R. UNIVERSITY OF UTAH, DEPARTMENT OF BIOCHEMISTRY, SALT LAKE CITY, UTAH. Intracellular site of synthesis of specific enzymes (rats, Hela cells).
- PO1GM-13882-09 (SSS) MAZIA, DANIEL, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, BERKELEY, CALIF. Cell transformations, division and motion.
- PO1GM-13882-09 0001 (SSS) MAZIA, DANIEL. Cell transformations, division and motion-Proteins of cell structure (see urchins, human).
- PO1GM-13882-09 0002 (SSS) WILT, FRED. Cell transformations, division and motion-Cell differentiation (chick embryo, sea urchin, *Blastocladia*, *Drosophila*).
- PO1GM-13882-09 0003 (SSS) STROHMAN, RICHARD. Cell transformations, division and motion-Muscle differentiation (chickens).
- RO1GM-13885-09 (BIO) KEZDY, FERENC J. UNIVERSITY OF CHICAGO, 920 EAST 58TH ST, CHICAGO, ILL. Physical and catalytic behavior of hydrolytic enzymes (snakes, swine, fruit).
- PO1GM-13901-08 (GMP) HORNING, EVAN C. BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Analytical biochemistry for human studies.
- PO1GM-13901-03 0001 (GMP) HORNING, EVAN C. Analytical biochemistry for human studies-Gas chromatography (human).
- PO1GM-13901-08 0002 (GMP) MCCLOSKEY, J A. Analytical biochemistry for human studies-Mass spectrometry of nucleic acids.
- PO1GM-13901-08 0003 (GMP) DESIDERIO, DOMINIC M. Analytical biochemistry for human studies-Mass spectrometry of peptides (mammals).
- PO1GM-13901-08 0004 (GMP) DESIDERIO, DOMINIC, M. Analytical biochemistry for human studies-Mass spectrometry of prostaglandins (human).
- PO1GM-13901-08 0005 (GMP) MCCLOSKEY, J A. Analytical biochemistry for human studies-Chemical ionization techniques for mass spectrometry.
- PO1GM-13901-08 0010 (GMP) DESIDERIO, DOMINIC. Analytical biochemistry for human studies-Mass spectrometry of polyene macrolides.
- PO1GM-13901-08 0011 (GMP) VOUIROS, P. Analytical biochemistry for human studies-Mass spectrometry of trimethylsilyl derivatives of hydroxy steroids.
- PO1GM-13901-08 0012 (GMP) VOUIROS, P. Analytical biochemistry for human studies-Gas chromatography-mass spectrometry of isothiocyanates.
- PO1GM-13901-08 0013 (GMP) VOUIROS, P. Analytical biochemistry for human studies-Mass spectrometry of tetramethylsilane.
- PO1GM-13901-08 0014 (GMP) ODIORNE, T J. Analytical biochemistry for human studies-Photoplate recording.
- PO1GM-13901-08 0015 (GMP) HORNING, E C. Analytical biochemistry for human studies-Atmospheric pressure ionization mass spectrometry.
- PO1GM-13901-08 0016 (GMP) STILLWELL, R N. Analytical biochemistry for human studies-Computer science.
- RO1GM-13914-09 (BBCA) SCHUMAKER, VERNE N. UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Macromolecules of circulatory and genetic importance.
- RO1GM-13914-09 0001 (BBCA) SCHUMAKER, VERNE N. Macromolecules of circulatory and genetic importance-Protein conformation (rabbits).
- RO1GM-13914-09 0002 (BBCA) SCHUMAKER, VERNE N. Macromolecules of circulatory and genetic importance-Antibody hapten systems (rabbits).
- RO1GM-13914-09 0003 (BBCA) SCHUMAKER, VERNE A. Macromolecules of circulatory and genetic importance-Isolation of the bacterial genome (microorganisms).
- RO1GM-13914-09 0004 (BBCA) SCHUMAKER, VERNE N. Macromolecules of circulatory and genetic importance-Nucleo-histones.
- RO1GM-13925-09 (BBCB) BANASZAK, LEONARD J. WASHINGTON UNIV SCH OF MED, 660 S EUCLID AVENUE, ST LOUIS, MO. Structural studies on malate dehydrogenases (swine, sheep).
- RO1GM-13939-09 (BBCA) SOBELL, HENRY M. UNIVERSITY OF ROCHESTER, RIVER CAMPUS STATION, ROCHESTER, N Y. Purine-pyrimidine crystalline complexes (*E. coli*).
- RO1GM-13952-09 (MBC) KENNEDY, EUGENE P. HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Biochemical mechanisms of sugar transport.
- RO1GM-13956-09 (MCHA) COATES, ROBERT M. UNIVERSITY OF ILLINOIS, DEPARTMENT OF CHEMISTRY, URBANA, ILL. Bio-organic reactions related to sterol biosynthesis.
- RO1GM-13957-08 (PC) MORRIS, DAVID R. UNIVERSITY OF WASHINGTON, DEPT OF BIOCHEMISTRY SJ-70, SEATTLE, WASH. Biosynthesis and biological function of polyamines (bacteria, cattle).
- RO1GM-13966-07 (RAD) PINK, RICHARD D. DEPT OF CHEMISTRY, AMHERST COLLEGE, AMHERST, MASS. Precision production of organic tracers.
- RO1GM-13970-08 (GEN) SAGER, RUTH, HUNTER COLLEGE, 695 PARK AVENUE, NEW YORK, N Y. Cytoplasmic genetic control systems (algae).
- RO1GM-13972-03 (PC) LIPMANN, FRITZ, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Polypeptide biosynthesis-Metabolic regulation (bacteria, rabbits, yeast).
- RO1GM-13980-10 (MCHA) OLOPSON, ROY A. PENNSYLVANIA STATE UNIVERSITY, 152 DAVEY LABORATORY, UNIVERSITY PARK, PA. New methods of peptide synthesis.
- RO1GM-14013-06 (PC) MONTGOMERY, REX, UNIVERSITY OF IOWA, DEPT OF BIOCHEMISTRY, IOWA CITY, IOWA. Structure of carbohydrate prosthetic groups (rats).
- RO1GM-14033-08 (PC) SHRAGO, EARL, UNIV OF WISCONSIN MED SCH, 1300 UNIVERSITY AVE, MADISON, WIS. Control mechanisms in gluconeogenesis (tetrahymena, rats, ground squirrels).
- RO1GM-14069-09 (BBCB) KOPPLE, KENNETH D. ILLINOIS INST OF TECHNOLOGY, DEPARTMENT OF CHEMISTRY, CHICAGO, ILL. Conformation and association of peptides.
- RO1GM-14078-09 (BBCB) TAFT, ROBERT W. UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, IRVINE, CALIF. Hydrogen bonding and ionic solvation by FMR and ICR.
- RO1GM-14082-03 (MCHB) OLAM, GEORGE A. CASE WESTERN RESERVE UNIVERSITY, DEPT OF CHEMISTRY, CLEVELAND, OHIO. Bioacylation systems and related structural studies.
- RO1GM-14108-09 (PC) GANESAN, ADAYAPALAM T. STANFORD UNIVERSITY SCH OF MED, GENETICS DEPARTMENT, STANFORD, CALIF. DNA synthesis and genetic recombination in *B. subtilis*.
- RO1GM-14189-08 (BBCA) FRITCHIE, CHARLES J, JR. TULANE UNIVERSITY, 6823 ST CHARLES AVE, NEW ORLEANS, LA. Configuration of charge-transfer complexes.
- PO1GM-14231-09 (GMP) KURLAND, LEONARD T. MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Natural history of heart, cancer, stroke in a population.
- PO1GM-14231-09 0007 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Ischemic heart disease (human).
- PO1GM-14231-09 0018 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Bacterial meningitis (human).
- PO1GM-14231-09 0022 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Diabetes mellitus.
- PO1GM-14231-09 0023 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Cholelithiasis and cholecystitis.
- PO1GM-14231-09 0024 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Appendectomy and subsequent malignancy.
- PO1GM-14231-09 0025 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Carcinoma of kidney and ureter.
- PO1GM-14231-09 0026 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Carcinoma of urinary bladder.
- PO1GM-14231-09 0027 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Pancreatic carcinoma.
- PO1GM-14231-09 0028 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Large bowel polyps and risk of colorectal cancer.
- PO1GM-14231-09 0029 (GMP) KURLAND, LEONARD T. Natural history of heart, cancer, stroke in a population-Ankylosing spondylitis.
- RO1GM-14237-09 (MBY) SLAYTER, HENRY S. CHILDREN'S CANCER RESEARCH FDN, 35 BINNEY STREET, BOSTON, MASS. Electron microscopy of macromolecular systems (mammals, *E. coli*).
- PO1GM-14267-09 (SSS) KO, WEN H. CASE WESTERN RESERVE UNIV, 112 BINGHAM BUILDING, CLEVELAND, OHIO. Microelectronics laboratory for biomedical science.
- PO1GM-14267-09 0001 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Microelectronics instrumentation (animals).
- PO1GM-14267-09 0002 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Solid state electronic technology.
- PO1GM-14267-09 0003 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Medical transducers.
- PO1GM-14267-09 0004 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Intrapartum systems (human).
- PO1GM-14267-09 0006 (SSS) KO W H. Microelectronics laboratory for biomedical science-Computer medical signal analysis and special purpose.
- PO1GM-14267-09 0009 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Materials for transducers and implant package.
- PO1GM-14267-09 0010 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Pediatric systems (cats, human).
- PO1GM-14267-09 0011 (SSS) KO, WEN, H. Microelectronics laboratory for biomedical science-Electrocardiographic surface mapping.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1GM-14267-09 0012 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Patient monitoring systems.
- PO1GM-14267-09 0013 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Neurosurgical monitoring.
- PO1GM-14267-09 0014 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Implant stimulators for the disabled (cats, human).
- PO1GM-14267-09 0015 (SSS) KO, WEN H. Microelectronics laboratory for biomedical science-Nuclear imaging systems in radiology.
- P11GM-14270-08 (PTR) GOLDBERG, LEON I, GRADY MEMORIAL HOSP, 69 BUTLER STREET, S E, ATLANTA, GA. Human drug metabolism and toxicology.
- P11GM-14270-08 0015 (PTR) FARAJ, BAHJAT A. Human drug metabolism and toxicology-Methylphenidate.
- P11GM-14270-08 0026 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Dopamine analogs (human).
- P11GM-14270-08 0029 (PTR) ISRAELI, ZAFAR H. Human drug metabolism and toxicology-Probenecid (dogs).
- P11GM-14270-08 0020 (PTR) PRUITT, ALBERT W. Human drug metabolism and toxicology-Triamterene (human, monkeys).
- P11GM-14270-08 0054 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Cardiovascular drugs-Bethanidine (human).
- P11GM-14270-08 0035 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Cardiovascular drugs-Minoxidil (human).
- P11GM-14270-00 0056 (PTR) PRUITT, ALBERT W. Human drug metabolism and toxicology-Diazoxide (dogs, monkeys, human).
- P11GM-14270-00 0048 (PTR) DAVIS, DONALD C. Human drug metabolism and toxicology-Hydralazine (human).
- P11GM-14270-08 0042 (PTR) MU, H Y. Human drug metabolism and toxicology-Antimalarials-Dapsone and its metabolites (rats, mice, dogs).
- P11GM-14270-08 0043 (PTR) ISRAELI, ZAFAR H. Human drug metabolism and toxicology-Antimalarials-Quinine methanols.
- P11GM-14270-08 0044 (PTR) PRUITT, ALBERT W. Human drug metabolism and toxicology-Diphanylhydantoin intoxication (human, animals).
- P11GM-14270-08 0045 (PTR) ISRAELI, ZAFAR H. Human drug metabolism and toxicology-Cancer drugs-Azacytidine (human).
- P11GM-14270-08 0048 (PTR) DAVIS, DONALD C. Human drug metabolism and toxicology-Cancer drugs-Methotrexate.
- P11GM-14270-08 0047 (PTR) ISRAELI, ZAFAR H. Human drug metabolism and toxicology-Novel approaches towards the assay of drugs.
- P11GM-14270-08 0048 (PTR) VELASCO, MANUEL. Human drug metabolism and toxicology-Cardiovascular drugs-Schering 10,595 (human).
- P11GM-14270-08 0049 (PTR) O'MALLEY, KEVIN. Human drug metabolism and toxicology-Cardiovascular drugs-Antihypertensives and heart rate (human).
- P11GM-14270-08 0050 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Renal physiology and pharmacology-Propranolol (human).
- P11GM-14270-08 0051 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Renal physiology and pharmacology-Blood flow (human).
- P11GM-14270-08 0052 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Renal physiology and pharmacology-Blood pressure (animals).
- P11GM-14270-08 0053 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Renal physiology and pharmacology-Propranolol and blood flow (animals).
- P11GM-14270-08 0054 (PTR) MCNAY, JOHN L. Human drug metabolism and toxicology-Renal physiology and pharmacology-Indomethacin (animals).
- P11GM-14270-08 0055 (PTR) GOLDBERG, LEON I. Human drug metabolism and toxicology-Renal physiology and pharmacology-L-Dopa and dopamine (animals).
- P11GM-14270-08 0086 (PTR) FARAJ, BAHJAT A. Human drug metabolism and toxicology-Renal physiology and pharmacology-Synthesis of dopamine.
- RO1GM-14276-10 (BBCA) GIBSON, QUENTIN M, CORNELL UNIVERSITY, WING HALL, ITHACA, N Y. Kinetics of enzymes and hemoglobin ligands (bacteria, human, guinea pigs).
- RO1GM-14312-20 (BBCB) SCHERAGA, HAROLD A, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N Y. Internal bonding in proteins.
- RO1GM-14358-08 (ABC) PREPDLER, DAVID M, BRANDEIS UNIVERSITY, GRAD DEPT OF BIOCHEMISTRY, WALTHAM, MASS. Physicochemical and genetic studies of DNA function (bacteria, bacteriophage).
- RO1GM-14363-09 (MAY) KANE, ROBERT E, UNIVERSITY OF HAWAII, 41 AHU STREET, HONOLULU, HAWAII. Molecular biology of fertilization and early mitosis (sea urchins).
- RO1GM-14372-08 (GEN) NOVICK, RICHARD P, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N Y. Genetic and molecular analysis of plasmid replication (bacteria).
- RO1GM-14378-08 (GEN) BOYER, HERBERT W, UNIVERSITY OF CALIFORNIA, DEPT OF MICROBIOLOGY-4120, SAN FRANCISCO, CALIF. Mechanisms of the restriction and modification of DNA (bacteria).
- RO1GM-14398-08 (GEN) ROWND, ROBERT H, UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Control of the replication of bacterial episomes (also yeast).
- RO1GM-14426-08 (GEN) SINGER, ETHAN R, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Lysogeny and operon expression (viruses, E coli).
- RO1GM-14452-08 (PC) RAFFERTY, MICHAEL A, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Chemistry and kinetics of lysozyme action (*Drosophila*, chickens, human).
- RO1GM-14470-08 (BBCB) PARR, ROBERT G, JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF CHEMISTRY, BALTIMORE, MD. Quantum theory of molecular isoelectronic changes.
- RO1GM-14479-08 (BIO) JAGENDORF, ANDRE T, CORNELL UNIVERSITY, SEC GENETICS, DEV & PHYSIOL, ITHACA, N Y. Membrane-associated phosphorylation (spinach).
- RO1GM-14493-08 (BBCA) ACKERS, GARY K, UNIVERSITY OF VIRGINIA, DEPT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Molecular sieve chromatography of interacting proteins (lamprey, human).
- RO1GM-14523-08 (BBCA) CHAN, SUNNEY L, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Nucleic acid interactions.
- PO1GM-14544-08 (GMP) KINNEY, JOHN M, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Influence of acute illness and injury on energy.
- PO1GM-14544-08 0031 (GMP) LONG, C L. Influence of acute illness and injury on energy-Protein metabolism in injured patient.
- PO1GM-14544-08 0032 (GMP) LONG, C L. Influence of acute illness and injury on energy-Kinetics of urea transport in human RBC.
- PO1GM-14544-08 0035 (GMP) LONG, C L. Influence of acute illness and injury on energy-Comparison of freeamine and aminocool in parenteral nutrition (human).
- PO1GM-14544-08 0036 (GMP) LONG, C L. Influence of acute illness and injury on energy-Limiting order of amino acids in sepsis during amino acid infusion.
- PO1GM-14544-08 0038 (GMP) ZIKRIA, B A. Influence of acute illness and injury on energy-Ventilatory and breathing patterns in post-trauma and septic patients.
- PO1GM-14544-08 0041 (GMP) BROELL, J R. Influence of acute illness and injury on energy-Mathematical modeling and simulation.
- PO1GM-14544-08 0042 (GMP) LONG, C L. Influence of acute illness and injury on energy-Urea recycling and pool characterization (human).
- PO1GM-14544-08 0043 (GMP) LONG, C L. Influence of acute illness and injury on energy-3-Methylhistidine as index of muscle protein catabolism during injury (human).
- PO1GM-14544-08 0044 (GMP) LONG, C L. Influence of acute illness and injury on energy-Metabolism of carbon-14-3-methylhistidine in man.
- PO1GM-14544-08 0045 (GMP) LONG, C L. Influence of acute illness and injury on energy-Carbohydrate metabolism in injury and sepsis-Model for C14-glucose (human).
- PO1GM-14544-08 0046 (GMP) LONG, C L. Influence of acute illness and injury on energy-Carbohydrate metabolism in injury and sepsis-Gluconeogenesis (human).
- PO1GM-14544-08 0047 (GMP) GUMP, F E. Influence of acute illness and injury on energy-Injury and sepsis-Hepatic vs forearm metabolism (human).
- PO1GM-14544-08 0048 (GMP) GUMP, F E. Influence of acute illness and injury on energy-Injury and sepsis-Specific dynamic action (human).
- PO1GM-14544-08 0049 (GMP) LONG, C L. Influence of acute illness and injury on energy-Nutritional status in normal and injured patients.
- PO1GM-14544-08 0050 (GMP) LONG, C L. Influence of acute illness and injury on energy-Plasma and urine ribonuclease as an indicator of nutritional status (human).
- PO1GM-14544-08 0051 (GMP) GUMP, F E. Influence of acute illness and injury on energy-Circulation in sepsis (human).
- PO1GM-14544-08 0052 (GMP) HALMAGYI, D F J. Influence of acute illness and injury on energy-Ventilation-perfusion (human).
- PO1GM-14544-08 0053 (GMP) BROELL, J R. Influence of acute illness and injury on energy-Monitoring sleep in intensive care unit.
- PO1GM-14552-03 (SSS) MARKS, PAUL A, COLUMBIA UNIV, 630 WEST 168TH STREET, NEW YORK, N Y. Normal and abnormal cell growth multidiscipline study.
- PO1GM-14552-03 0007 (SSS) BANK, ARTHUR. Normal and abnormal cell growth multidiscipline study-Molecular basis of the cellular defect in B thalassemia (human).
- PO1GM-14552-03 0008 (SSS) RANK, ARTHUR. Normal and abnormal cell growth multidiscipline study-Synthesis of abnormal globin chains (human).
- PO1GM-14552-03 0014 (SSS) BANK, ARTHUR. Normal and abnormal cell growth multidiscipline study-Clinical disease, biochemical defects and genetic determinants.
- PO1GM-14552-08 0015 (SSS) BANK, ARTHUR. Normal and abnormal cell growth multidiscipline study-Family studies in B thalassemia.
- PO1GM-14552-08 0016 (SSS) MARKS, PAUL A. Normal and abnormal cell growth multidiscipline study-Factors affecting the sickling phenomenon (human).
- PO1GM-14552-08 0017 (SSS) RIFKIND, R A. Normal and abnormal cell growth multidiscipline study-Identification and isolation of erythropoietic precursor cells.
- PO1GM-14552-03 0018 (SSS) MARKS, PAUL A. Normal and abnormal cell growth multidiscipline study-Mechanism of action of erythropoietin (mice, rats).
- PO1GM-14552-03 0019 (SSS) RIFKIND, R A. Normal and abnormal cell growth multidiscipline study-Mechanism of stabilization of synthetic capacity for hemoglobin.
- PO1GM-14552-08 0020 (SSS) MANITIS, G. Normal and abnormal cell growth multidiscipline study-Genetic variants affecting erythroid cell differentiation (mice).
- PO1GM-14552-08 0021 (SSS) MARKS, PAUL A. Normal and abnormal cell growth multidiscipline study-Viruses and fetal liver erythroid cell differentiation (mice).
- RO1GM-14569-08 (MCHB) HARRISON, WILLARD W, UNIVERSITY OF VIRGINIA, DEPT OF CHEMISTRY, CHARLOTTESVILLE, VA. Biological trace analysis by hollow cathode emission.
- RO1GM-14582-03 (MAY) ROBBINS, ELLIOTT B, ALBERT EINSTEIN COLL OF MED, EASTCHESTER RD & MORRIS PK AVE, BRONX, N Y. Biochemistry and morphology of the cell life cycle (HeLa cells, hamsters).
- RO1GM-14595-08 (CBY) SCHIFF, JEROME A, BRANDEIS UNIVERSITY, DEPARTMENT OF BIOLOGY, WALTHAM, MASS. Continuity of cellular organelles.
- RO1GM-14595-03 0001 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Pyrenoid differentiation (Euglena).
- RO1GM-14595-08 0002 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-rRNA synthesis during chloroplast development (Euglena).
- RO1GM-14595-08 0003 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Chloramphenicol reductase (Euglena).
- RO1GM-14595-08 0004 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Streptomycin resistance (Euglena).
- RO1GM-14595-08 0005 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Chloroplast enzymes synthesized outside the chloroplast (Euglena).
- RO1GM-14595-08 0006 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Chlorophyll precursor pigment (Euglena).
- RO1GM-14595-08 0007 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Photosynthesis and respiration during plastid development (Euglena).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01GM-14595-08 0008 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Photosynthetic enzymes (Euglena).	R01GM-15000-06 (BBCB) RICHARDSON, DAVID C, DUKE UNIVERSITY, 213 MEDICAL SCIENCES I, DURHAM, N C. Crystallographic analysis of protein structures (cattle, fish, bacteria).
R01GM-14595-08 0009 (CBY) SCHIFF, JEROME A. Continuity of cellular organelles-Plastid development (Euglena).	P01GM-15003-13 (SSS) VALLIE, BERT L, BIOLOGICAL RES LAB, HARVARD MED SCHOOL, BOSTON, MASS. The biological functions of metals.
R01GM-14603-08 (BBCB) THMASHEPP, SERGE N, BRANDEIS UNIVERSITY, GRAD DEPT OF BIOCHEMISTRY, WALTHAM, MASS. Structure and interactions of proteins in solution.	P01GM-15003-13 0001 (SSS) VALLIE, BERT L. The biological functions of metals-Carboxypeptidase A.
P01GM-14604-08 (GMP) MOORE, WALTER E, VIRGINIA POLYTECHNIC INST, ANAEROBE LABORATORY, BLACKSBURG, VA. Anaerobic bacteriological research program.	P01GM-15003-13 0002 (SSS) VALLIE, BERT L. The biological functions of metals-Neutral proteases (Bacilli).
P01GM-14604-08 0004 (GMP) COMMINS, C S. Anaerobic bacteriological research program-Cell wall composition and antigenic properties.	P01GM-15003-13 0003 (SSS) VALLIE, BERT L. The biological functions of metals-Alkaline phosphatase (E coli, yeast, human, Euglena).
P01GM-14604-08 0005 (GMP) JOHNSON, JOHN L. Anaerobic bacteriological research program-DNA studies.	P01GM-15003-13 0004 (SSS) VALLIE, BERT L. The biological functions of metals-Aldolase (yeast, muscle).
P01GM-14604-08 0006 (GMP) WILKINS, TRACY D. Anaerobic bacteriological research program-Determination of antibiotic susceptibility of anaerobes (mice).	P01GM-15003-13 0005 (SSS) VALLIE, BERT L. The biological functions of metals-Liver alcohol dehydrogenase (human).
P01GM-14604-08 0007 (GMP) SMITH, LOUIS D S. Anaerobic bacteriological research program-Various habitats of anaerobes (chickens, swine, mice).	P01GM-15003-13 0006 (SSS) VALLIE, BERT L. The biological functions of metals-Metallothionein (human, rats, rabbits, monkeys, dogs).
P01GM-14604-08 0008 (GMP) SMIBERT, R M. Anaerobic bacteriological research program-Fermentation of amino acids by treponemes.	P01GM-15003-13 0007 (SSS) VALLIE, BERT L. The biological functions of metals-Metal-enzyme complexes-Arginase (cattle, human).
P01GM-14604-08 0009 (GMP) CUMMINS, C S. Anaerobic bacteriological research program-Antigenicity and chemistry of P. Acnes.	P01GM-15003-13 0008 (SSS) VALLIE, BERT L. The biological functions of metals-Metalloenzyme models.
P01GM-14604-08 0010 (GMP) JOHNSON, JOHN L. Anaerobic bacteriological research program-Nucleic acids.	P01GM-15003-13 0009 (SSS) VALLIE, BERT L. The biological functions of metals-Metalloproteins of human serum.
R01GM-14607-08 (GEN) GERSH, EILEEN S, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Chromosome structure and genetic function (Drosophila, plants).	P01GM-15003-13 0010 (SSS) VALLIE, BERT L. The biological functions of metals-Intracellular neutral proteases (E coli, Euglena, human).
R01GM-14621-08 (BBCB) WANG, JAMES C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Physico-chemical studies of nucleic acids (E coli, Drosophila).	P01GM-15003-13 0011 (SSS) VALLIE, BERT L. The biological functions of metals-AZO probes of protein conformation.
R01GM-14628-09 (BBCB) THOMPSON, THOMAS E, UNIVERSITY OF VIRGINIA, DEPT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Phospholipid bilayer membranes (bacteria, mammals non-human).	P01GM-15003-13 0012 (SSS) VALLIE, BERT L. The biological functions of metals-Spectroscopy instrumentation and methodology.
R01GM-14642-07 (MBY) ROSENBAUM, JOEL L, YALE UNIVERSITY, 438 KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Synthesis and assembly of microtubules (algae).	P01GM-15003-13 0013 (SSS) VALLIE, BERT L. The biological functions of metals-Intracellular enzyme inhibitors (human, E coli, plants).
R01GM-14650-08 (MAB) LEDERBERG, JOSHUA, DEPT OF GENETICS, STANFORD UNIVERSITY SCH OF MED, STANFORD, CALIF. Genetics of human tissue antigens (human).	P01GM-15003-13 0014 (SSS) VALLIE, BERT L. The biological functions of metals-Circular dichroism in structure studies.
R01GM-14652-03 (GBN) LEE, NANCY L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOL SCI, SANTA BARBARA, CALIF. Genetic control of protein synthesis in E coli.	P01GM-15003-13 0015 (SSS) VALLIE, BERT L. The biological functions of metals-Magnetic circular dichroism in structure studies.
R01GM-14659-07 (SOYA) APTER, JULIA T, RUSH-PRESBYTERIAN-ST LUKE'S, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Mechanical properties of tissues (dogs, cats).	P01GM-15003-13 0016 (SSS) VALLIE, BERT L. The biological functions of metals-Electron paramagnetic resonance spectroscopy in structure studies.
R01GM-14710-07 (CVB) BATTINO, RUBIN, WRIGHT STATE UNIVERSITY, DEPT OF CHEMISTRY, DAYTON, OHIO. Gas solubilities in selected solvents and solutions.	P01GM-15003-13 0017 (SSS) VALLIE, BERT L. The biological functions of metals-Biomacromolecular directed transport in structure studies.
R01GM-14711-08 (YR) NIMAN, ROSS B, BIOPHYSICS LABORATORY, 1525 LINDEN DRIVE, MADISON, WIS. Structure and replication of DNA.	P01GM-15003-13 0018 (SSS) VALLIE, BERT L. The biological functions of metals-Rapid kinetics in structure studies.
R01GM-14772-07 (PHY) DIAMOND, JARED M, UCLA MEDICAL CENTER, DEPT OF PHYSIOLOGY, LOS ANGELES, CALIF. Water transport across epithelial membranes (rabbits).	P01GM-15003-13 0019 (SSS) VALLIE, BERT L. The biological functions of metals-Chemical approaches to enzyme action.
R01GM-14789-06 (COM) DANTZIG, GEORGE B, STANFORD UNIVERSITY, OPERATIONS RESEARCH DEPT ENCL, STANFORD, CALIF. Computer solutions of complex models in biology.	P01GM-15003-13 0020 (SSS) VALLIE, BERT L. The biological functions of metals-Electronic energy transfer as measure of enzyme activity.
R01GM-14825-08 (BCA) CANTOR, CHARLES R, COLUMBIA UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW YORK, N Y. Conformation of tRNA and model oligonucleotides.	P01GM-15003-13 0021 (SSS) VALLIE, BERT L. The biological functions of metals-Spectrophotometric titration cell instrumentation and methodology.
P01GM-14892-07 (GMP) SHIRES, GEORGE T, UNIV OF TEXAS S W MED SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. The traumatized patient.	P01GM-15003-13 0022 (SSS) VALLIE, BERT L. The biological functions of metals-Instrumentation for ultracentrifugation.
P01GM-14892-07 0001 (GMP) SHIRES, TOM. The traumatized patient-Shock (human).	P01GM-15003-13 0023 (SSS) VALLIE, BERT L. The biological functions of metals-Biochemical effects of lead (human).
P01GM-14892-07 0002 (GMP) BAXTER, CHARLES R. The traumatized patient-Hematologic and rheologic changes in burns and hemorrhagic shock (human).	P01GM-15003-13 0024 (SSS) VALLIE, BERT L. The biological functions of metals-Autoanalyzer studies of enzyme kinetics instrumentation and methodology.
P01GM-14892-07 0004 (GMP) MCCLELLAND, ROBERT N. The traumatized patient-Stress ulcer study (human).	P01GM-15003-13 0025 (SSS) VALLIE, BERT L. The biological functions of metals-Zinc deficiency (Euglena gracilis, E coli, human, rats).
P01GM-14892-07 0007 (GMP) CARRICO, CHAS J. The traumatized patient-Pulmonary function (human).	R01GM-15030-08 (MBY) MC GEE, JAMES F, SAINT LOUIS UNIVERSITY, 221 NORTH GRAND BOULEVARD, ST LOUIS, MO. A high resolution x-ray reflecting microscope.
P01GM-14892-07 0010 (GMP) CANIZARO, PETER C. The traumatized patient-Oxygen transport in the injured patient (dogs).	R01GM-15053-08 (BIO) WOLD, FINN, UNIVERSITY OF MINNESOTA, 227 MILLARE HALL, MINNEAPOLIS, MINN. Protein structure and function (E coli, yeast, rabbits, salmon).
P01GM-14892-07 0011 (GMP) PERRY, MALCOLM D. The traumatized patient-Spinal fluid amine acids in brain damage diagnosis (human).	R01GM-15086-07 (PC) BERNFIELD, MERTON R, STANFORD UNIV SCH OF MED, DEPT OF PED & HUMAN DYLPNRT, STANFORD, CALIF. Transfer RNA and metazoan protein synthesis (rats, chickens, bacteria).
P01GM-14892-07 0012 (GMP) SUGG, W L. The traumatized patient-Cardiorespiratory support with mechanical devices (human).	R01GM-15102-07 (BIO) KOHLHAW, GUNTER B, PURDUE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, WEST LAFAYETTE, IND. Regulation of leucine biosynthesis by end product inhibition (bacteria, yeasts).
P01GM-14892-07 0013 (GMP) PRAGER, MORTON D. The traumatized patient-Immunologic profile of severely injured patient.	R01GM-15122-07 (PC) MARCIUS, ABRAHAM, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Initiation and peptide synthesis in vitro (wheat).
R01GM-14905-08 (COM) BRECHER, GEORGE, UNIVERSITY OF CALIFORNIA MED C, 3RD AND PARNASSUS AVE, SAN FRANCISCO, CALIF. Automated data processing for clinical laboratories.	R01GM-15142-06 (PC) BREMER, MANS, UNIVERSITY OF TEXAS AT DALLAS, P O BOX 30365, DALLAS, TEX. In vitro synthesis of RNA (T4 bacteriophage).
R01GM-14907-07 (PHY) STRICKHOLM, ALFRED, DEPT OF ANATOMY & PHYSIOLOGY, INDIANA UNIV, BLOOMINGTON, IND. Membrane excitation and contraction coupling in muscle (crayfish).	R01GM-15152-07 (PHY) SCHULTZ, JEROME S, UNIVERSITY OF MICHIGAN, DEPT OF CHEMICAL ENGR, ANN ARBOR, MICH. Permeability of membranes.
R01GM-14927-08 (PC) ALBERTS, BRUCE M, PRINCETON UNIVERSITY, FRICK CHEMICAL LABORATORIES, PRINCETON, N J. DNA protein interactions in DNA replication control (T4 phage, slime mold).	R01GM-15156-07 (CBY) GOLDSTEIN, LESTER, UNIVERSITY OF COLORADO, DEPT OF MOL/CELL/DEV BIO, BOULDER, COLO. Biochemical interrelations of nucleus and cytoplasm (protozoa, mammals).
R01GM-14931-08 (BIO) SCHIMKE, ROBERT T, STANFORD UNIV SCH OF MED, DEPARTMENT OF PHARMACOLOGY, STANFORD, CALIF. Enzyme synthesis and degradation in metabolic control (mice, chickens).	R01GM-15188-08 (PC) FISHER, HARVEY F, VETERANS ADMINSTRATIONS HOSP, 4801 LINWOOD BOULEVARD, KANSAS CITY, MO. Structure and mechanisms of action of enzymes.
R01GM-14945-08 (BIO) WESTHEAD, EDWARD W, JR, UNIVERSITY OF MASSACHUSETTS, DEPT OF BIOCHEMISTRY, AMHERST, MASS. Divalent cations in enolase and other biological systems (human).	P11GM-15190-08 (PTR) CLARKSON, THOMAS W, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Center for toxicological research and training.
R01GM-14957-07 (MBY) DUBIN, DONALD T, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N J. R-RNA, ribosome synthesis in bacteria and animal cells.	P11GM-15190-08 0001 (PTR) TAVES, DONALD R. Center for toxicological research and training-Toxicology of fluoride (human, rats).
R01GM-14971-08 (BBCB) TIEN, H TI, MICHIGAN STATE UNIVERSITY, 128 CHEMISTRY BUILDING, EAST LANSING, MICH. Bimolecular (bilayer) lipid membranes in aqueous media.	P11GM-15190-08 0011 (PTR) CLARKSON, THOMAS W. Center for toxicological research and training-Metabolism of methylmercury compounds in man.
	P11GM-15190-08 0012 (PTR) SMITH, J CRISPIN. Center for toxicological research and training-Methylmercury and protein synthesis in man.
	P11GM-15190-08 0013 (PTR) VOSTAL, JAROSLAV. Center for toxicological research and training-Pharmacodynamics of mercury in organisms (mammals).
	P11GM-15190-08 0014 (PTR) POLAND, ALAN. Center for toxicological research and training-Biochemical aspects of lead poisoning (rats, mice, chicks.).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P11GM-15190-08 0015 (PTR) SMITH, J CRISPIN. Center for toxicological research and training-Drugs affecting autonomic nervous system (rats, human).
- P11GM-15190-08 0016 (PTR) LASAGNA, LOUIS. Center for toxicological research and training-Drug interactions (dogs, human, rats, mice).
- R01GM-15225-07 (BBCB) SIGLER, PAUL B, 920 EAST 58TH STREET, CHICAGO, ILL. Structural analysis of biological macromolecules (bacteria, phages, yeast).
- R01GM-15238-07 (MCHB) WHITTEN, DAVID G, UNIVERSITY OF NORTH CAROLINA, DEPT OF CHEMISTRY, CHAPEL HILL, N C. Photochemical studies of molecular complexes.
- P01GM-15253-03 (SSS) MOTULSKY, ARNO G, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MEDICINE, SEATTLE, WASH. Genetics in medicine-Gene action in man.
- P01GM-15253-08 0001 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Hemoglobin variants.
- P01GM-15253-08 0002 (SSS) YOSHIDA, AKIRA. Genetics in medicine-Gene action in man-Structure of epsilon chains.
- P01GM-15253-08 0004 (SSS) MOTULSKY, ARNO G. Genetics in medicine-Gene action in man-Blood, serum and enzyme population.
- P01GM-15253-08 0008 (SSS) YOSHIDA, AKIRA. Genetics in medicine-Gene action in man-Genetically altered G6PD and PGK (human).
- P01GM-15253-08 0010 (SSS) MOTULSKY, ARNO G. Genetics in medicine-Gene action in man-Polymorphism by methods other than electrophoresis.
- P01GM-15253-08 0019 (SSS) OMENN, GILBERT S. Genetics in medicine-Gene action in man-Polymorphism in the CKS (human, macaca, mice).
- P01GM-15253-08 0014 (SSS) GARTLER, STANLEY M. Genetics in medicine-Gene action in man-Genetic variants in study of macromolecular uptake.
- P01GM-15253-08 0016 (SSS) GARTLER, STANLEY M. Genetics in medicine-Gene action in man-Genetic recombination in cell culture (mice, human).
- P01GM-15253-03 0018 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Bone marrow transplantation genetics (dogs, human).
- P01GM-15253-08 0019 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Immunologic aberrations.
- P01GM-15253-08 0020 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Genetics in neoplasia (human, primates).
- P01GM-15253-08 0021 (SSS) DONOHUE, ROBERT P. Genetics in medicine-Gene action in man-Genatropin control of oocyte maturation (mice).
- P01GM-15253-08 0022 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Clinical genetics.
- P01GM-15253-08 0023 (SSS) GARTLER, STANLEY M. Genetics in medicine-Gene action in man-Hair follicle.
- P01GM-15253-08 0024 (SSS) GARTLER, STANLEY M. Genetics in medicine-Gene action in man-Mosaic systems as tracers in developmental studies (human, mice).
- P01GM-15253-08 0025 (SSS) YOSHIDA, AKIRA. Genetics in medicine-Gene action in man-Isolation and base sequence of normal and mutant m RNA.
- P01GM-15253-08 0026 (SSS) MOTULSKY, ARNO G. Genetics in medicine-Gene action in man-Variation at the G6PD locus.
- P01GM-15253-08 0027 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Hemoglobin development in man.
- P01GM-15253-08 0028 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Thalassemia.
- P01GM-15253-08 0029 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Search for thalassemia-like syndromes in nonhuman primates.
- P01GM-15253-08 0030 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Identification of the second genetic factor in favism.
- P01GM-15253-08 0031 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Pharmacogenetics of oral anticoagulants.
- P01GM-15253-08 0082 (SSS) OMENN, GILBERT S. Genetics in medicine-Gene action in man-Pharmacogenetics of nervous system pathways.
- P01GM-15253-08 0033 (SSS) GARTLER, STANLEY M. Genetics in medicine-Gene action in man-Complementation analysis of 2,6 DAP resistant variants (mice).
- P01GM-15253-08 0034 (SSS) GARTLER, STANLEY M. Genetics in medicine-Gene action in man-Cell cycle mutants in established cell cultures.
- P01GM-15253-08 0035 (SSS) GARTLER, STANLEY M. Genetics in medicine-Gene action in man-Possible variation in normal cell strains to overgrowth by malignant cell lines.
- P01GM-15253-08 0086 (SSS) DONAHUE, ROGER P. Genetics in medicine-Gene action in man-Functioning and modification of the embryonic genome during preimplantation (mice).
- P01GM-15253-08 0037 (SSS) DONAHUE, ROGER P. Genetics in medicine-Gene action in man-Cytologic studies on normal and abnormal oogenesis (mice).
- P01GM-15253-08 0038 (SSS) DONAHUE, ROGER P. Genetics in medicine-Gene action in man-Immunoclinical studies in autoimmunity in chromosomal syndromes.
- P01GM-15253-03 0039 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Autoimmunity and gonadal dysgenesis.
- P01GM-15253-08 0040 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Relationship of immune phenomena to chromosome errors (human, animals).
- P01GM-15253-08 0041 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Families of subjects with chromosomal abnormalities.
- P01GM-15253-08 0042 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-SV40 transformation of fibroblasts from mothers of Down syndrome subjects.
- P01GM-15253-08 0043 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Effect of lymphocyte lysate on transformation of allogenic fibroblasts.
- P01GM-15253-08 0044 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Chromosomal abnormalities in autoimmune diseases (monkeys, human).
- P01GM-15253-08 0045 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Effect of antilymphocyte serum on lymphocyte mitoses (dogs).
- P01GM-15253-03 0046 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-SV40 transformation of fibroblasts from subjects at risk to develop malignancy.
- P01GM-15253-08 0047 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Autoimmunity, chromosomal abnormalities and aging.
- P01GM-15253-00 0048 (SSS) FALKOW, PHILIP. Genetics in medicine-Gene action in man-Clinical cytogenetics.
- P01GM-15253-08 0049 (SSS) HALL, JUDITH L. Genetics in medicine-Gene action in man-Clinical genetics in Childrens Orthopedic Hospital.
- P01GM-15253-03 0050 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Population studies of genetic counseling (Greece).
- P01GM-15253-08 0051 (SSS) MOTULSKY, ARNO G. Genetics in medicine-Gene action in man-Population studies of genetic counseling (Jamaica).
- P01GM-15253-08 0052 (SSS) STAMATOYANNOPOULOS, GEORGE. Genetics in medicine-Gene action in man-Population studies of genetic counseling (Cyprus).
- P01GM-15253-08 0053 (SSS) MOTULSKY, ARNO G. Genetics in medicine-Gene action in man-Frequency and significance of genetic hyperlipoproteinemia.
- R01GM-15255-09 (GBN) MARGOLIN, PAUL, P H RESEARCH INST OF NEW YORK, 455 FIRST AVENUE, NEW YORK, N Y. Mutation and suppressor studies of a bacterial gene.
- R01GM-15256-07 (MCHA) OVERBERGER, CHARLES G, DEPT OF CHEMISTRY, UNIV OF MICHIGAN, ANN ARBOR, MICH. The esterolytic catalysis of polymeric imidazoles.
- R01GM-15259-11 (BBCA) NORDMAN, CHRISTER E, UNIVERSITY OF MICHIGAN, DEPT OF CHEMISTRY, ANN ARBOR, MICH. X-ray crystal analysis of biological compounds.
- R01GM-15289-07 (CBY) DEMPSEY, EDWARD W, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Electron microscopy of cells having cycles (human, primates, mammals).
- R01GM-15311-12 (CBY) COSTELLO, DONALD P, UNIV OF NORTH CAROLINA, DEPARTMENT OF ZOOLOGY, CHAPEL HILL, N C. Studies on microtubules (helminths, protozoa, snails).
- R01GM-15320-07 (SOYB) MALONEY, JAMES V, JR, UNIVERSITY OF CALIFORNIA, DEPT OF SURGERY, LOS ANGELES, CALIF. Electrolyte kinetics in surgical patients (human, dogs).
- R01GM-15327-16 (BBCA) VINOGRAD, JEROME, CALIFORNIA INSTITUTE OF TECH, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Ultracentrifugal studies of biological macromolecules (mice, human).
- R01GM-15373-07 (MCHB) JENSEN, FREDERICK R, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, BERKELEY, CALIF. Demetallation of organometallic compounds.
- R01GM-15381-07 (MBC) NIERLICH, DONALD P, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Regulation of RNA synthesis in E coli.
- R01GM-15399-07 (MBY) MAITRA, UMADAS, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Enzymatic synthesis of biologically active macromolecules (E coli, T3).
- R01GM-15401-06 (BIO) SOUL, DIETER G, DEPT OF MOLE BIOPHY & BIOCHEM, BOX 1937, YALE STATION, NEW HAVEN, CONN. Relation of structure to function of transfer RNA (bacteria).
- R01GM-15400-07 (GBN) PINK, GERALD R, CORNELL UNIVERSITY, 216 BRADFIELD HALL, ITHACA, N Y. Regulation of histidine biosynthesis in yeast.
- R01GM-15410-07 (GEN) SONNEBORN, TRACY M, INDIANA UNIVERSITY, DEPT OF ZOOLOGY, JORDAN HALL, BLOOMINGTON, IND. Normal and abnormal cell growth and heredity (ciliates).
- P01GM-15419-07 (SSS) LEVINE, MYRON, UNIVERSITY OF MICHIGAN MED SCH, 1137 E CATHERINE STREET, ANN ARBOR, MICH. Cellular and biochemical genetics.
- P01GM-15419-07 0001 (SSS) LEVINE, MYRON. Cellular and biochemical genetics-Replication of phage P22 and vesicular stomatitis virus (bacteria, mammals).
- P01GM-15419-07 0003 (SSS) BLOOM, ARTHUR D. Cellular and biochemical genetics-Lymphocyte cell lines in human genetics (also hamsters, mice).
- P01GM-15419-07 0004 (SSS) RUCKNAGEL, DONALD L. Cellular and biochemical genetics-Hemoglobin and other proteins (human).
- P01GM-15419-07 0005 (SSS) SHREFFLER, DONALD. Cellular and biochemical genetics-Mouse histocompatibility antigens.
- P01GM-15419-07 0006 (SSS) TASHIAN, RICHARD C. Cellular and biochemical genetics-Evolution of carbonic anhydrase (human and nonhuman).
- P01GM-15419-07 0007 (SSS) KLEIN, J. Cellular and biochemical genetics-Genetics of histocompatibility antigens.
- P01GM-15422-07 (SSS) SUSMAN, MILLARD, UNIVERSITY OF WISCONSIN, LABORATORY OF GENETICS, MADISON, WIS. Program project in genetics.
- P01GM-15422-07 0001 (SSS) PATAU, KLAUS. Program project in genetics-Cytogenetics (human, mice, reindeer).
- P01GM-15422-07 0002 (SSS) CASIDA, I E. Program project in genetics-Reproductive physiology (sheep, swine, cattle).
- P01GM-15422-07 0003 (SSS) SMITHIES, OLIVER. Program project in genetics-Genetics of proteins (human, mice).
- P01GM-15422-07 0004 (SSS) STONE, WILLIAM H. Program project in genetics-Immunogenetics and immunoreproduction (cattle).
- P01GM-15422-07 0005 (SSS) NOMURA, MASAYASU. Program project in genetics-Structure and function of ribosomes (microorganisms).
- P01GM-15422-07 0006 (SSS) DEMARS, ROBERT. Program project in genetics-The X-chromosome problem (human, mice).
- P01GM-15422-07 0007 (SSS) OPITZ, JOHN M. Program project in genetics-Clinical genetics and cytogenetics (human).
- P01GM-15422-07 0008 (SSS) BACH, FRITZ H. Program project in genetics-Cellular immunology and histocompatibility (human, mice).
- P01GM-15422-07 0009 (SSS) KERMICLE, JERRY. Program project in genetics-Regulation of gene action in maize.
- P01GM-15422-07 0010 (SSS) CRAVEN, GARY R. Program project in genetics-Ribosome structure and function (E coli).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1GM-15422-07 0011 (SSS) FOX, ALLEN S. Program project in genetics—Gene transformation and genetic molecular development (mice, *Drosophila*).
- PO1GM-15422-07 0012 (SSS) CHAPMAN, A. B. Program project in genetics—Genetic effects of irradiation (rats).
- PO1GM-15422-07 0013 (SSS) NELSON, OLIVER. Program project in genetics—Biochemical and developmental genetics of maize.
- PO1GM-15422-07 0015 (SSS) DENNISTON, CARTER. Program project in genetics—Theoretical population genetics (human).
- PO1GM-15422-07 0016 (SSS) CROW, JAMES T. Program project in genetics—Population genetics (*Drosophila*, human).
- PO1GM-15422-07 0017 (SSS) ABRAHAMSON, SEYMOUR. Program project in genetics—Genetic effects of irradiation (*Drosophila*).
- PO1GM-15422-07 0018 (SSS) PLOQUIN, S. J. Program project in genetics—Cytology and genetics of 2n gametes.
- PO1GM-15423-07 (SSS) NOVICK, AARON, UNIVERSITY OF OREGON, INST OF MOLECULAR BIOLOGY, EUGENE, OREG. Molecular basis of control mechanisms.
- PO1GM-15423-07 0011 (SSS) BERNHARD, SIDNEY. Molecular basis of control mechanisms—Conformational symmetry on the function of enzymes.
- PO1GM-15423-07 0012 (SSS) ELWELL, R. A. Molecular basis of control mechanisms—Cyclic AMP in bacterial chemotaxis.
- PO1GM-15423-07 0013 (SSS) LOVELY, P. S. Molecular basis of control mechanisms—Bacterial chemotaxis—quantitative aspect.
- PO1GM-15423-07 0014 (SSS) BLASCOW, C. Molecular basis of control mechanisms—Tyrosine transfer RNA (bacteria).
- PO1GM-15423-07 0015 (SSS) LONG, J. W. Molecular basis of control mechanisms—Lysozyme from phage T4.
- PO1GM-15423-07 0016 (SSS) BIGBEE, W. L. Molecular basis of control mechanisms—Thermolysin.
- PO1GM-15423-07 0017 (SSS) CIECIERSKA-TWOREK, Z. Molecular basis of control mechanisms—Dinitrooxide spin labels.
- PO1GM-15423-07 0018 (SSS) CIECIERSKA-TWOREK, Z. Molecular basis of control mechanisms—X-ray produced free radicals.
- PO1GM-15423-07 0019 (SSS) BIRRELL, BRUCE. Molecular basis of control mechanisms—ESR in organic crystals.
- PO1GM-15423-07 0020 (SSS) JOST, PATRICIA. Molecular basis of control mechanisms—Molecular biology of membranes.
- PO1GM-15423-07 0021 (SSS) JOST, PATRICIA. Molecular basis of control mechanisms—Boundary lipid in membranes.
- PO1GM-15423-07 0022 (SSS) BURKE, CHARLES. Molecular basis of control mechanisms—Photoelectric effect of biochemical and organic surfaces.
- PO1GM-15423-07 0023 (SSS) BURKE, CHARLES. Molecular basis of control mechanisms—Photoelectron microscopy of organic surfaces.
- PO1GM-15423-07 0024 (SSS) HERSHOWITZ, IRA. Molecular basis of control mechanisms—Second bacteriophage lambda repressor.
- PO1GM-15423-07 0025 (SSS) TOOTHMAN, P. Molecular basis of control mechanisms—Gene control in phage lambda.
- PO1GM-15423-07 0026 (SSS) STRATHERN, A. Molecular basis of control mechanisms—Phage-host interactions.
- PO1GM-15423-07 0027 (SSS) KUSHNER, P. Molecular basis of control mechanisms—*polA* Gene.
- PO1GM-15423-07 0028 (SSS) HICKS, J. Molecular basis of control mechanisms—Control of gene expression in yeast.
- PO1GM-15423-07 0029 (SSS) MATTHEWS, B. W. Molecular basis of control mechanisms—Thermolysin—Conformation and activity.
- PO1GM-15423-07 0030 (SSS) MATTHEWS, B. W. Molecular basis of control mechanisms—Thermolysin—Metal substitution and thermal stability.
- PO1GM-15423-07 0031 (SSS) MATTHEWS, B. W. Molecular basis of control mechanisms—Molecular weight determination.
- PO1GM-15423-07 0032 (SSS) MATTHEWS, B. W. Molecular basis of control mechanisms—T4 phage lysozymes.
- PO1GM-15423-07 0033 (SSS) MATTHEWS, B. W. Molecular basis of control mechanisms—Small molecules.
- PO1GM-15423-07 0034 (SSS) NOVICK, AARON. Molecular basis of control mechanisms—Control of cell growth rates.
- PO1GM-15423-07 0035 (SSS) NOVICK, AARON. Molecular basis of control mechanisms—Probes of membrane structure.
- PO1GM-15423-07 0036 (SSS) NOVICK, AARON. Molecular basis of control mechanisms—Isolation of permease.
- PO1GM-15423-07 0037 (SSS) TROXELL, T. Molecular basis of control mechanisms—DNA molecules in intact phages.
- PO1GM-15423-07 0038 (SSS) CRAIG, MORRIS. Molecular basis of control mechanisms—Interactions of proteins with DNA.
- PO1GM-15423-07 0039 (SSS) SNIR, YOSHI. Molecular basis of control mechanisms—Circular dichroism of macromolecules.
- PO1GM-15423-07 0040 (SSS) SWENSON, CHARLES. Molecular basis of control mechanisms—Folding of DNA by external agents.
- PO1GM-15423-07 0041 (SSS) ELWELL, ELIZABETH. Molecular basis of control mechanisms—Physical chemistry of T4 phage lysozyme.
- PO1GM-15423-07 0042 (SSS) FRANKEL, R. Molecular basis of control mechanisms—Spectral properties of hemoglobin.
- PO1GM-15423-07 0043 (SSS) RADDING, W. Molecular basis of control mechanisms—Peptide models.
- PO1GM-15423-07 0044 (SSS) SCHELMAN, C. Molecular basis of control mechanisms—Sequence and structure in proteins.
- PO1GM-15423-07 0045 (SSS) KAEMH, D. Molecular basis of control mechanisms—Orientation of hemoglobin molecules in red blood cells.
- PO1GM-15423-07 0046 (SSS) STAHL, M. Molecular basis of control mechanisms—Mutations in crossovers in host-cell recombination system (bacteriophage).
- PO1GM-15423-07 0047 (SSS) STAHL, M. Molecular basis of control mechanisms—Crossover distribution dependent on DNA replication.
- PO1GM-15423-07 0048 (SSS) SIEGAL, J. Molecular basis of control mechanisms—DNA synthesis in crossing over of lambda chromosome.
- PO1GM-15423-07 0049 (SSS) HAEMER, J. Molecular basis of control mechanisms—Swapping of chains between lambda chromosomes.
- PO1GM-15423-07 0050 (SSS) MALONE, R. Molecular basis of control mechanisms—New approaches to lambda recombination.
- PO1GM-15423-07 0051 (SSS) STREISINGER, GEORGE. Molecular basis of control mechanisms—Mutation frequencies (bacteriophage).
- PO1GM-15423-07 0052 (SSS) STREISINGER, GEORGE. Molecular basis of control mechanisms—Base sequence in the mutant sites.
- PO1GM-15423-07 0053 (SSS) STREISINGER, GEORGE. Molecular basis of control mechanisms—Development of nervous system thru mutant strains (zebrafish).
- PO1GM-15423-07 0054 (SSS) STREISINGER, GEORGE. Molecular basis of control mechanisms—Chromosomal events previous to fertilized eggs (fish).
- PO1GM-15423-07 0055 (SSS) STREISINGER, GEORGE. Molecular basis of control mechanisms—Production of partially homozygous fish.
- PO1GM-15423-07 0056 (SSS) VONHIPPPEL, P. Molecular basis of control mechanisms—Conformational perturbants.
- PO1GM-15423-07 0057 (SSS) VONHIPPPEL, P. Molecular basis of control mechanisms—DNA-protein interactions.
- PO1GM-15423-07 0058 (SSS) VONHIPPPEL, P. Molecular basis of control mechanisms—*E. coli* repressor work.
- PO1GM-15423-07 0059 (SSS) VONHIPPPEL, P. Molecular basis of control mechanisms—Methylation of nucleotide sequence and genome.
- RO1GM-15425-07 (MCHA) STERMITZ, FRANK R., COLORADO STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, FORT COLLINS, COLO. Medicinal photochemistry—Synthesis and reactions.
- PO1GM-15426-07 (GMP) POWERS, SAMUEL R., JR., ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N. Y. On-line computer study of therapy for human shock (human, monkeys).
- PO1GM-15428-07 (GMP) ALTEMEIER, WILLIAM A., CINCINNATI GENERAL HOSP, 234 GOODMAN STREET, CINCINNATI, OHIO. Center for comprehensive clinical study of trauma.
- PO1GM-15428-07 0007 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Increasing incidence of gram-negative infections (human).
- PO1GM-15428-07 0008 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Secondary infections during antibiotic therapy (human).
- PO1GM-15428-07 0009 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Increasing incidence of infections by bacteria of low virulence (human).
- PO1GM-15428-07 0010 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Nosocomial infections (human).
- PO1GM-15428-07 0011 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Candida albicans infections (human).
- PO1GM-15428-07 0012 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Cyclic variations in staphylococcal resistance to penicillin (human).
- PO1GM-15428-07 0013 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Target organs, tissues and cells of bacterial exotoxins and endotoxins.
- PO1GM-15428-07 0014 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Effect of bacterial enzymes and products on hemoglobin.
- PO1GM-15428-07 0015 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Neutrophil function (human).
- PO1GM-15428-07 0016 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Serum opsonins (human).
- PO1GM-15428-07 0017 (GMP) ALTEMEIER, WILLIAM A. Center for comprehensive clinical study of trauma—Regulation of neutrophil function in experimental animals.
- PO1GM-15428-07 0018 (GMP) HUMMEL, ROBERT P. Center for comprehensive clinical study of trauma—Trauma patient in a sterile environment.
- PO1GM-15428-07 0019 (GMP) HUMMEL, ROBERT P. Center for comprehensive clinical study of trauma—Gnotobiotic animal studies (mice, human).
- PO1GM-15428-07 0020 (GMP) HUMMEL, ROBERT P. Center for comprehensive clinical study of trauma—Neutrophil function in germ-free rats.
- PO1GM-15428-07 0021 (GMP) HUMMEL, ROBERT P. Center for comprehensive clinical study of trauma—Bacteroides infections in trauma patients.
- PO1GM-15428-07 0022 (GMP) ALEXANDER, J. WESLEY. Center for comprehensive clinical study of trauma—Wound healing in trauma (human).
- PO1GM-15430-07 (SSS) WOLLMAN, HARRY, DEPARTMENT OF ANESTHESIA, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA. Research in anesthesia.
- PO1GM-15430-07 0001 (SSS) BUTLER, ROBERT A. Research in anesthesia—Effects of anesthetics on the CNS (cats, human).
- PO1GM-15430-07 0002 (SSS) STROBEL, GEORGE E. Research in anesthesia—Effects of anesthetics on isolated tissue.
- PO1GM-15430-07 0003 (SSS) CLARK, DONALD L. Research in anesthesia—Anesthetic effects (human).
- PO1GM-15430-07 0005 (SSS) MARSHALL, BRYAN E. Research in anesthesia—Pulmonary insufficiency (human, rabbits, dogs, horses).
- PO1GM-15430-07 0008 (SSS) COOPERMAN, LEE H. Research in anesthesia—Calcium studies (human).
- PO1GM-15430-07 0011 (SSS) REYNOLDS, ROBERT C. Research in anesthesia—Sympathetic receptors in isolated tissue (rats, human).
- PO1GM-15430-07 0014 (SSS) SMITH, THEODORA C. Research in anesthesia—Opioid tolerance and dependence (guinea pigs, human).
- PO1GM-15430-07 0016 (SSS) WOLLMAN, HARRY. Research in anesthesia—Cerebral blood flow (human, goats).
- PO1GM-15430-07 0022 (SSS) BEHAR, MARJAM G. Research in anesthesia—Analytical chemistry.
- PO1GM-15430-07 0023 (SSS) WOLLMAN, H. Research in anesthesia—NAHCO3 and myocardial performance during anesthesia (human).
- PO1GM-15430-07 0024 (SSS) EDWARDS, M. W. Research in anesthesia—Medullary integration of chemoreceptor information (cats).
- P11GM-15431-08 (PTR) OATES, JOHN A., VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Research center for clinical pharmacology and drug toxicology.
- P11GM-15431-08 0001 (PTR) SHAND, DAVID G. Research center for clinical pharmacology and drug toxicology—Storage of guanethidine in the adrenergic neuron, its use in hypertension (human).
- P11GM-15431-08 0002 (PTR) MCALLISTER, RUSSELL G. Research center for clinical pharmacology and drug toxicology—Drugs that antagonize guanethidine (human, cats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P11GM-15431-08 0003 (PTR) MORGAN, DAVID. Research center for clinical pharmacology and drug toxicology—Action of guanethidine within adrenergic neurons (rats).
- P11GM-15431-08 0004 (PTR) OATES, JOHN A. Research center for clinical pharmacology and drug toxicology—P-hydroxynorepinephrine and related false adrenergic neurotransmitters (rats).
- P11GM-15431-08 0005 (PTR) BIECK, PETER R. Research center for clinical pharmacology and drug toxicology—Evaluation of arachidonic acid and other prostaglandin precursors as drugs (dogs).
- P11GM-15431-03 0086 (PTR) DANON, ABRAHAM. Research center for clinical pharmacology and drug toxicology—Incorporation of prostaglandin precursors into rat tissue lipids.
- P11GM-15431-08 0007 (PTR) BIECK, PETER R. Research center for clinical pharmacology and drug toxicology—Ethyl arachidonate in animals (dogs).
- P11GM-15431-08 0008 (PTR) SCHENKER, STEVEN. Research center for clinical pharmacology and drug toxicology—Ethyl arachidonate in man.
- P11GM-15431-08 0009 (PTR) WATSON, J THROCK. Research center for clinical pharmacology and drug toxicology—Conversion of ethyl arachidonate to prostaglandins in man.
- P11GM-15431-08 0010 (PTR) SHAND, DAVID G. Research center for clinical pharmacology and drug toxicology—Disposition of propranolol—Hepatic uptake and storage (rats).
- P11GM-15431-08 0011 (PTR) SHAND, DAVID G. Research center for clinical pharmacology and drug toxicology—Therapeutic effects of beta-adrenergic blockade (human).
- P11GM-15431-08 0012 (PTR) MCALLISTER, RUSSELL G. Research center for clinical pharmacology and drug toxicology—Therapeutic effects of beta-adrenergic blockade in angina (human).
- P11GM-15431-08 0013 (PTR) SHAND, DAVID G. Research center for clinical pharmacology and drug toxicology—Evaluation of antiarrhythmic drug, SU-13197 (human).
- P11GM-15431-08 0014 (PTR) SHAND, DAVID G. Research center for clinical pharmacology and drug toxicology—Interindividual differences in plasma concentration of digoxin, digitoxin (human).
- P11GM-15431-08 0015 (PTR) NIES, ALAN S. Research center for clinical pharmacology and drug toxicology—Abnormal cardiovascular function and disposition of drugs (rabbits, primates).
- P11GM-15431-08 0016 (PTR) BUSH, MILTON T. Research center for clinical pharmacology and drug toxicology—Hexobarbital (dogs, mice, rats).
- P11GM-15431-08 0017 (PTR) ALVIN, JOHN D. Research center for clinical pharmacology and drug toxicology—Anticonvulsant drugs (mice, rats).
- P11GM-15431-08 0018 (PTR) BUSH, MILTON T. Research center for clinical pharmacology and drug toxicology—N-N-butyl-barbital (rats, mice, dogs).
- P11GM-15431-08 0019 (PTR) BUSH, MILTON T. Research center for clinical pharmacology and drug toxicology—Pentobarbital isomers (human).
- P11GM-15431-08 0020 (PTR) BUSH, MILTON T. Research center for clinical pharmacology and drug toxicology—Secobarbital and barbital (rats).
- P11GM-15431-08 0021 (PTR) BUSH, MILTON T. Research center for clinical pharmacology and drug toxicology—Bufotenine, o-methylbufotenine and o-acetylbufotenine (human).
- P11GM-15431-08 0022 (PTR) BUSH, MILTON T. Research center for clinical pharmacology and drug toxicology—Physico-chemical properties and metabolic fate of drugs (rats).
- P11GM-15431-08 0023 (PTR) OATES, JOHN A. Research center for clinical pharmacology and drug toxicology—Maturational changes in hepatic drug metabolism (rats).
- P11GM-15431-08 0024 (PTR) OATES, JOHN A. Research center for clinical pharmacology and drug toxicology—Drugs in children.
- P11GM-15431-08 0025 (PTR) OATES, JOHN A. Research center for clinical pharmacology and drug toxicology—Drug disposition in children (human, rats).
- P11GM-15431-03 0026 (PTR) OATES, JOHN A. Research center for clinical pharmacology and drug toxicology—D-glucuronic acid excretion (human, guinea pigs).
- P11GM-15431-08 0027 (PTR) DINGELL, JAMES V. Research center for clinical pharmacology and drug toxicology—Interactions of drugs with glucuronic acid (rats).
- P11GM-15431-08 0028 (PTR) BIECK, PETER R. Research center for clinical pharmacology and drug toxicology—Bioavailability and effect of fursenide (human).
- P11GM-15431-08 0029 (PTR) FALKNER, FRED C. Research center for clinical pharmacology and drug toxicology—Mass spectrometric studies on barbituric acid derivatives.
- P11GM-15431-08 0030 (PTR) BUSH, MILTON T. Research center for clinical pharmacology and drug toxicology—Drug metabolism.
- P11GM-15431-08 0031 (PTR) MICHELAKIS, ANDREW M. Research center for clinical pharmacology and drug toxicology—Renin and aldosterone release (human).
- P11GM-15431-08 0032 (PTR) MICHELAKIS, ANDREW. Research center for clinical pharmacology and drug toxicology—Aldosterone secretion (human, rabbits).
- P11GM-15431-08 0033 (PTR) MICHELAKIS, ANDREW M. Research center for clinical pharmacology and drug toxicology—Renal pharmacology of diazoxide (dogs).
- P11GM-15431-08 0034 (PTR) NIES, ALAN S. Research center for clinical pharmacology and drug toxicology—Reserpine and guanethidine in mild to moderate hypertension (human).
- P11GM-15431-08 0035 (PTR) DINGELL, JAMES V. Research center for clinical pharmacology and drug toxicology—Biochemical pharmacology of delta-9-tetrahydrocannabinol (rats).
- P11GM-15431-08 0036 (PTR) JANOWSKY, DAVID S. Research center for clinical pharmacology and drug toxicology—Plasma levels, efficacy and side effects of phenothiazines (human).
- P11GM-15431-08 0037 (PTR) JANOWSKY, DAVID S. Research center for clinical pharmacology and drug toxicology—Interactions between drugs (human, rats).
- P11GM-15431-08 0038 (PTR) JANOWSKY, DAVID S. Research center for clinical pharmacology and drug toxicology—Ovarian hormones and monamines (human).
- P11GM-15431-03 0039 (PTR) WILKINSON, GRANT R. Research center for clinical pharmacology and drug toxicology—Influence of age upon drug disposition and elimination (human).
- P11GM-15431-08 0040 (PTR) WILKINSON, GRANT R. Research center for clinical pharmacology and drug toxicology—Plasma binding of drugs—Importance in plasma efficacy relationship.
- P11GM-15431-08 0041 (PTR) WILKINSON, GRANT R. Research center for clinical pharmacology and drug toxicology—Influence of liver disease upon drug disposition and elimination (human, rats).
- P11GM-15431-08 0042 (PTR) WILSON, JOHN T. Research center for clinical pharmacology and drug toxicology—Identification of p-Nitrocatechol as a metabolite of p-Nitroanisole (rats).
- P11GM-15431-08 0043 (PTR) NIES, ALAN S. Research center for clinical pharmacology and drug toxicology—The influence of hepatic blood flow on drug disposition (rats, monkeys, human).
- P11GM-15431-08 0044 (PTR) WATSON, J THROCK. Research center for clinical pharmacology and drug toxicology—New developments in selected ion monitoring.
- P11GM-15431-08 0045 (PTR) NIES, ALAN S. Research center for clinical pharmacology and drug toxicology—Prostaglandins and renal function (dogs).
- P11GM-15431-08 0046 (PTR) FROLICH, JURGEN C. Research center for clinical pharmacology and drug toxicology—Prostaglandins production in the kidney and egress to urine (dogs, human).
- P11GM-15431-08 0047 (PTR) OATES, JOHN A. Research center for clinical pharmacology and drug toxicology—Prostaglandin metabolites in urine reflecting renal synthesis (human, rabbits).
- P11GM-15431-08 0048 (PTR) DANON, ABRAHAM. Research center for clinical pharmacology and drug toxicology—Angiotensin II and prostaglandin synthesis in rat renal papilla.
- P11GM-15431-08 0049 (PTR) SEYBERTH, HANNSJORG. Research center for clinical pharmacology and drug toxicology—Measurement of the major metabolites of PGE2 and PGE1 (human).
- P11GM-15431-08 0050 (PTR) WATSON, J THROCK. Research center for clinical pharmacology and drug toxicology—Assay for the major circulating metabolite of PGE2.
- P11GM-15431-03 0051 (PTR) FALKNER, FRED C. Research center for clinical pharmacology and drug toxicology—Guanidinium adrenergic neuron blockers (human, cats).
- P11GM-15431-08 0052 (PTR) MICHELAKIS, ANDREW M. Research center for clinical pharmacology and drug toxicology—Antihypertensive therapy with diazoxide, employing a dose-ranging regimen (human).
- P11GM-15431-08 0053 (PTR) ALVIN, JOHN D. Research center for clinical pharmacology and drug toxicology—Investigation of primidone C14 in man.
- RO1GM-15438-07 (MBY) O'BRIEN, THOMAS W, UNIVERSITY OF FLORIDA, BOX 724, GAINESVILLE, FLA. Characterization of mammalian mitochondrial ribosomes (cattle, E. coli).
- RO1GM-15471-07 (MCHB) HOLM, RICHARD H, MASSACHUSETTS INST OF TECH, DEPARTMENT OF CHEMISTRY, CAMBRIDGE, MASS. Metal complexes of Schiff bases.
- P11GM-15477-03 (PTR) MANNERING, GILBERT J, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Drug metabolism and biochemical pharmacology.
- P11GM-15477-08 0003 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Drug binding sites of P450 hemoproteins (rats, rabbits).
- P11GM-15477-08 0004 (PTR) ANDERS, M W. Drug metabolism and biochemical pharmacology—Blood and urine levels as indices of the rate of drug metabolism (human).
- P11GM-15477-08 0005 (PTR) SLADEK, N E. Drug metabolism and biochemical pharmacology—Metabolism of cyclophosphamide and separation of metabolites (rats, mice).
- P11GM-15477-08 0006 (PTR) SLADEK, N E. Drug metabolism and biochemical pharmacology—Antitumor efficacy of cyclophosphamide in experimental tumor system (rats, mice).
- P11GM-15477-08 0007 (PTR) SLADEK, N E. Drug metabolism and biochemical pharmacology—Selective toxicity of cyclophosphamide (rats).
- P11GM-15477-08 0009 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Metabolism of diphenylhydantoin-C14 by liver homogenates (rats).
- P11GM-15477-08 0010 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Diphenylhydantoin-C14 in fetal and maternal tissues (mice).
- P11GM-15477-08 0011 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Diphenylhydantoin in the human.
- P11GM-15477-08 0012 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Drug transfer into the central nervous system and across the placenta (rats).
- P11GM-15477-08 0013 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Effect of diphenylhydantoin on tissue uptake of digoxin-H3.
- P11GM-15477-08 0014 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Immunoassay of serum digoxin in children.
- P11GM-15477-08 0015 (PTR) CUMMING, J F. Drug metabolism and biochemical pharmacology—Transplacental passage of ketamine and fetal distribution (human).
- P11GM-15477-08 0017 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—Antagonism by naloxone of narcotic and narcotic-antagonist analgesics.
- P11GM-15477-08 0018 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—Formation of tolerance on analgesic receptors (mice).
- P11GM-15477-08 0019 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—A possible selective alkylator of analgesic receptors (mice, rats).
- P11GM-15477-08 0020 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—Brain 5-hydroxytryptamine turnover rate and tolerance (mice).
- P11GM-15477-08 0021 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—Transport of morphine into and out of the cerebrospinal fluid (rabbits).
- P11GM-15477-08 0022 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—Intramuscular absorption rates (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P11GM-15477-08 0027 (PTR) CUMMING, J F. Drug metabolism and biochemical pharmacology—Effect of phenobarbital on oxygen needed for hexobarbital metabolism (rats).
- P11GM-15477-08 0028 (PTR) CUMMING, J F. Drug metabolism and biochemical pharmacology—Effect of hemorrhage on the rate of hexobarbital biotransformation (dogs).
- P11GM-15477-08 0031 (PTR) CUMMING, J F. Drug metabolism and biochemical pharmacology—Puromycin aminonucleoside induced hypoproteinemia and barbiturates (rats).
- P11GM-15477-08 0032 (PTR) ANDERS, M W. Drug metabolism and biochemical pharmacology—Enhancement of microsomal aromatic hydroxylation (rats).
- P11GM-15477-08 0035 (PTR) CUMMING, J F. Drug metabolism and biochemical pharmacology—Induction of drug metabolism after intravenous infusion of hexobarbital (dogs).
- P11GM-15477-08 0040 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Kinetics of microsomal drug metabolism (rabbits, guinea pigs, rats).
- P11GM-15477-08 0041 (PTR) SLADEK, NORMAN E. Drug metabolism and biochemical pharmacology—Kinetics induction microsomal drug metabolism—Thioacetamide, SKF 525A (rats).
- P11GM-15477-08 0042 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Independent formation of cytochromes P-450 and P1-450 (rats).
- P11GM-15477-08 0044 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Development, induction of microsomal drug metabolizing system (rats).
- P11GM-15477-08 0045 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Administration of inducing agents (rats).
- P11GM-15477-08 0045 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Phospholipids in binding and drug metabolism (rats).
- P11GM-15477-08 0040 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—P-450 hemoproteins and NADPH-cytochrome c reductase (A-27) (rats).
- P11GM-15477-08 0049 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Cytochrome P1-450—Extrahepatic system (rats).
- P11GM-15477-08 0050 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Role of membrane in microsomal drug metabolism (rabbits).
- P11GM-15477-08 0051 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Age, sex and microsomal drug metabolism (rats).
- P11GM-15477-08 0052 (PTR) SLEDEK, NORMAN E. Drug metabolism and biochemical pharmacology—Age, sex and depression of drug metabolism (rats, mice).
- P11GM-15477-08 0053 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Thyroxine.
- P11GM-15477-08 0057 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Vitamin A and drug metabolizing induction by 3-methylcholanthrene (rats).
- P11GM-15477-08 0058 (PTR) CUMMING, JAMES F. Drug metabolism and biochemical pharmacology—Oxygen requirements of the microsomal drug metabolizing system (human).
- P11GM-15477-08 0059 (PTR) TAKEMORI, AKIRA E. Drug metabolism and biochemical pharmacology—Drug-protein binding by gel filtration.
- P11GM-15477-08 0040 (PTR) CUMMING, JAMES F. Drug metabolism and biochemical pharmacology—Oxygen requirement for hexobarbital metabolism (rats).
- P11GM-15477-08 0062 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Inhibition of *in vitro* N-demethylation of imipramine and amitriptyline.
- P11GM-15477-08 0053 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Nature of hepatic and extrahepatic benzpyrene hydroxylase (rats, human).
- P11GM-15477-08 0071 (PTR) TAKEMORI, AKIRA E. Drug metabolism and biochemical pharmacology—Morphine and cerebral glycolytic intermediates (rats).
- P11GM-15477-08 0072 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Methanol metabolism in the monkey (also rats).
- P11GM-15477-08 0073 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Intracellular distribution of hepatic catalase (rats, mice, guinea pig).
- P11GM-15477-08 0074 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Ethanol metabolism in the isolated, perfused rat liver.
- P11GM-15477-08 0075 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Kinetics of ethanol metabolism in the intact rat and monkey.
- P11GM-15477-08 0076 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Inhibitory effect of ethanol on galactose utilization.
- P11GM-15477-08 0083 (PTR) MIRKIN, BERNARD L. Drug metabolism and biochemical pharmacology—Association of cleft lip with diphenylhydantoin.
- P11GM-15477-08 0044 (PTR) MIRKIN, BERNARD L. Drug metabolism and biochemical pharmacology—Ontogenesis of type I and type II binding sites in hepatic microsomes (rats).
- P11GM-15477-08 0090 (PTR) KUPFERBERG, H J. Drug metabolism and biochemical pharmacology—Interaction of sulfthiamine and diphenylhydantoin (dogs).
- P11GM-15477-08 0091 (PTR) ANDERS, MARION W. Drug metabolism and biochemical pharmacology—High-speed liquid chromatography in drug metabolism studies (human).
- P11GM-15477-08 0093 (PTR) TAKEMORI, AKIRA E. Drug metabolism and biochemical pharmacology—New gas chromatographic assay method.
- P11GM-15477-08 0094 (PTR) KUPFERBERG, H J. Drug metabolism and biochemical pharmacology—Plasma drug content estimation (human).
- P11GM-15477-08 0095 (PTR) KUPFERBERG, H J. Drug metabolism and biochemical pharmacology—Gas chromatographic analysis of sulfthiamine (dogs).
- P11GM-15477-08 0096 (PTR) MIRKIN, BERNARD L. Drug metabolism and biochemical pharmacology—Assay of diphenylhydantoin (mice).
- P11GM-15477-08 0097 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Liver alcohol dehydrogenase.
- P11GM-15477-08 0096 (PTR) HANNA, PATRICK E. Drug metabolism and biochemical pharmacology—Synthesis of SKF 525-A0c:14.
- P11GM-15477-08 0099 (PTR) HANNA, PATRICK E. Drug metabolism and biochemical pharmacology—Histamine antagonists (guinea pig).
- P11GM-15477-08 0100 (PTR) HANNA, PATRICK E. Drug metabolism and biochemical pharmacology—Phosphodiesterase inhibitors (cattle).
- P11GM-15477-08 0101 (PTR) ABUZZAHAB, F S. Drug metabolism and biochemical pharmacology—Thyroid function of lambs of Kibhem treated ewes.
- P11GM-15477-08 0102 (PTR) ABUZZAHAB, F S. Drug metabolism and biochemical pharmacology—Long term toxic effects of lithium carbonate on ewes.
- P11GM-15477-08 0103 (PTR) CUMMING, JAMES F. Drug metabolism and biochemical pharmacology—Ketamine—A new dissociative anesthetic agent (rats, human).
- P11GM-15477-08 0104 (PTR) MIRKIN, BERNARD L. Drug metabolism and biochemical pharmacology—Phenobarbital and intrahepatic cholestasis (rats).
- P11GM-15477-08 0105 (PTR) KUPFERBERG, H J. Drug metabolism and biochemical pharmacology—Inhibition of ouabain uptake (rats).
- P11GM-15477-08 0106 (PTR) KUPFERBERG, H J. Drug metabolism and biochemical pharmacology—Kinetics of the penetration of drug into brain (rats).
- P11GM-15477-08 0107 (PTR) KUPFERBERG, H J. Drug metabolism and biochemical pharmacology—Hyperthermia in D-amphetamine toxicity (mice).
- P11GM-15477-08 0108 (PTR) KUPFERBERG, H J. Drug metabolism and biochemical pharmacology—Phenyl piperidine narcotic analgesics in rats.
- P11GM-15477-08 0109 (PTR) ABUZZAHAB, F S. Drug metabolism and biochemical pharmacology—Haloperidol and amantadine in rats.
- P11GM-15477-08 0110 (PTR) ABUZZAHAB, F S. Drug metabolism and biochemical pharmacology—Brain catecholamines, diethylthiocarbamate and dopa (rats).
- P11GM-15477-08 0111 (PTR) ANDERS, M W. Drug metabolism and biochemical pharmacology—Heme transfer from cytochrome P420 to albumin and hemopexin.
- P11GM-15477-08 0112 (PTR) ANDERS, M W. Drug metabolism and biochemical pharmacology—Characterization of the heme of cytochrome P-450 mass spectrometry (rabbits).
- P11GM-15477-08 0113 (PTR) ANDERS, M W. Drug metabolism and biochemical pharmacology—Metabolism of dihalomethanes and SKF 525-A.
- P11GM-15477-08 0116 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Placental transfer drugs—Pharmacokinetics fetal localization (ewe).
- P11GM-15477-08 0117 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Digoxin disposition in anemic states and with use of anticoagulants (human).
- P11GM-15477-08 0118 (PTR) MIRKIN, B. Drug metabolism and biochemical pharmacology—Phenobarbital in the treatment of hyperbilirubinemia (children).
- P11GM-15477-08 0119 (PTR) SLADEK, N E. Drug metabolism and biochemical pharmacology—Principles of drug biotransformation (rats).
- P11GM-15477-08 0120 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—Methadone metabolism—Interaction with diazepam (rats).
- P11GM-15477-08 0121 (PTR) TAKEMORI, A E. Drug metabolism and biochemical pharmacology—Protein synthesis and narcotics tolerance (mice, rats).
- P11GM-15477-08 0122 (PTR) HANNA, PATRICK E. Drug metabolism and biochemical pharmacology—Substituent effects in microsomal N-debenzylations.
- P11GM-15477-08 0123 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Stoichiometry of the ethymorphine N-demethylase reaction.
- P11GM-15477-08 0124 (PTR) MANNERING, GILBERT J. Drug metabolism and biochemical pharmacology—Immunochemistry in drug metabolism studies.
- P11GM-15477-08 0125 (PTR) SLADEK, NORMAN E. Drug metabolism and biochemical pharmacology—L-cysteine and sodium thiosulfate effect on cyclophosphamide metabolites.
- P11GM-15477-08 0126 (PTR) SLADEK, NORMAN E. Drug metabolism and biochemical pharmacology—Coadministration of noncytotoxic agent and cytotoxic drug (cell culture).
- R01GM-15490-07 (PHRA) KLEIN, RICHARD L. UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Electron microscopic studies in pharmacology (rabbits).
- R01GM-15508-07 (MAY) COX, RODY P. N Y UNIVERSITY MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Cell regulation and fetal proteins in neoplasia.
- R01GM-15508-07 0001 (MAY) COX, RODY P. Cell regulation and fetal proteins in neoplasia—Regulation of alkaline phosphatase (HeLa cells).
- R01GM-15508-07 0002 (MAY) COX, RODY P. Cell regulation and fetal proteins in neoplasia—Role of fetal protein in neoplasia (human, rats).
- R01GM-15539-07 (BBCA) SCHUMMEL, PAUL R. MASSACHUSETTS INST OF TECH, DEPT OF BIOLOGY, ROOM 56-621, CAMBRIDGE, MASS. Reactions of physiological importance.
- R01GM-15547-07 (BBCB) PETICOLAS, WARNER L. DEPARTMENT OF CHEMISTRY, UNIVERSITY OF OREGON, EUGENE, OREG. Laser raman scattering from biological macromolecules.
- R01GM-15549-06 (BBCB) HANLON, DAVID P. DARTMOUTH MEDICAL SCHOOL, DEPT OF PHARMA & TOXICOLOGY, HANOVER, N H. Role of metal ions in enzyme catalysis (yeast, marine snail).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P11GM-15559-07 (PTR) CARR, EDWARD A. JR., UNIVERSITY OF MICHIGAN, UP-JOHN CTR FOR CLINICAL PHARMA, ANN ARBOR, MICH. Clinical pharmacology.
- P11GM-15559-07 0001 (PTR) MEDZHARDSKY, F. Clinical pharmacology—Quantitative methodology—Cardiac glycosides (human).
- P11GM-15559-07 0029 (PTR) COUNSELL, R. E. Clinical pharmacology—Radioactive drugs for myocardial imaging—Brevityl analogs (dogs).
- P11GM-15559-07 0030 (PTR) CARR, EDWARD A. JR.. Clinical pharmacology—Radioactive drugs for myocardial imaging—Iodinated toluidine blue (dogs).
- P11GM-15559-07 0031 (PTR) CARR, EDWARD A. JR.. Clinical pharmacology—Radioactive drugs for myocardial imaging—Group 1 of periodic table (human).
- P11GM-15559-07 0032 (PTR) CARR, EDWARD A. JR. Clinical pharmacology—Metal-containing compounds with cancer chemotherapeutic potentials.
- P11GM-15559-07 0033 (PTR) MEDZHARDSKY, F. Clinical pharmacology—Drugs at the cellular and sub-cellular level (rats).
- P11GM-15559-07 0034 (PTR) MEDZHARDSKY, F. Clinical pharmacology—Biochemistry of multiple drug therapy (rats).
- P11GM-15559-07 0035 (PTR) FAJANS, S. S. Clinical pharmacology—Drugs and release of pancreatic hormones in women.
- P11GM-15559-07 0036 (PTR) KAY, D. R. Clinical pharmacology—Drugs and connective tissue metabolism (human).
- P11GM-15559-07 0037 (PTR) KAY, D. R. Clinical pharmacology—Clinical trial of penicillamine for rheumatoid vasculitis.
- P11GM-15559-07 0038 (PTR) JAFFE, R. B. Clinical pharmacology—Drugs and release of pituitary hormones in women.
- P11GM-15559-07 0039 (PTR) WAGNER, J. G. Clinical pharmacology—Pharmacokinetics and biopharmaceutics (human).
- P11GM-15559-07 0040 (PTR) MEDZHARDSKY, F. Clinical pharmacology—Analytical biochemistry in clinical pharmacology.
- P11GM-15559-07 0041 (PTR) BACON, G. E. Clinical pharmacology—Pediatric clinical pharmacology.
- P11GM-15559-07 0042 (PTR) BLAIR, Clinical pharmacology—Radiolabeled gallium for diagnosing abscesses (human).
- P11GM-15559-07 0043 (PTR) WEIDLER, DONALD J. Clinical pharmacology—Drug therapy of cardiac damage and arrhythmias (human, cats).
- P01GM-15571-06 (GMP) HAMMILTON, WILLIAM K., DEPT OF ANESTHESIA, UNIV OF CALIFORNIA, SAN FRANCISCO, CALIF. Anesthesia research—Program project.
- P01GM-15571-06 0001 (GMP) BAINTON, CEDRIC R. Anesthesia research—Program project—Control of respiration in hyperpnea of exercise (dogs, human).
- P01GM-15571-06 0032 (GMP) WAY W L. Anesthesia research—Program project—Pharmacologic implications of analgesic distribution.
- P01GM-15571-06 0045 (GMP) MITCHELL, R. A. Anesthesia research—Program project—Peripheral chemoreceptors and cardiovascular response to isovolemic anemia (cats).
- P01GM-15571-06 0046 (GMP) MITCHELL, R. A. Anesthesia research—Program project—Neural regulation (cats, rabbits).
- P01GM-15571-06 0052 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Blood flow and PCO₂ and pH of medullary ventral surface (cats).
- P01GM-15571-06 0053 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Effect of chronic metabolic alkalosis and acidosis on ventilation and CSF HCO₃.
- P01GM-15571-06 0054 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Chronic elevation of HCO₃ on chemosensitivity of medullary respiratory H₂.
- P01GM-15571-06 0055 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Permeability and transport of the blood brain barrier to H₂ and HCO₃.
- P01GM-15571-06 0056 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Control of cerebral arteriolar flow periodicity.
- P01GM-15571-06 0057 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Role of anaerobic metabolism in normal brain ECF pH regulation.
- P01GM-15571-06 0058 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Regional permeability of lactate through the blood brain barrier.
- P01GM-15571-06 0059 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Brain NAD⁺ supply limitation of anaerobic lactate metabolism.
- P01GM-15571-06 0060 (GMP) SEVERINGHAUS, JOHN W. Anesthesia research—Program project—Effect of ouabain on blood-brain barrier EMF.
- P01GM-15571-06 0061 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Anesthetic potency—Hyperthermia (dogs).
- P01GM-15571-06 0062 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Interactions between anesthetics (dogs).
- P01GM-15571-06 0063 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Human studies—Cyclopropane MAC.
- P01GM-15571-06 0064 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Human studies—Vasopressors.
- P01GM-15571-06 0065 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Human studies—Premedication and MAC.
- P01GM-15571-06 0066 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Human studies—Age and MAC.
- P01GM-15571-06 0067 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Interaction of nitrous oxide with pressure induced by neon (mice).
- P01GM-15571-06 0068 (GMP) EGER, EDMOND I. Anesthesia research—Program project—Anesthetic uptake and distribution (human, animals).
- P01GM-15571-06 0069 (GMP) FEATHERSTONE, R. M. Anesthesia research—Program project—Chronic toxicity of general anesthetics in human hepatic cells.
- P01GM-15571-06 0070 (GMP) JOHNSTON, RICHARD R. Anesthesia research—Program project—Interaction of anesthetics with drugs that alter CNS monoamines (human, dogs).
- P01GM-15571-06 0071 (GMP) MILLER, RONALD D. Anesthesia research—Program project—Neuromuscular blocking agents (human).
- P01GM-15571-06 0072 (GMP) STEVENS, W. C. Anesthesia research—Program project—Comparative pharmacology of inhaled anesthetics.
- P01GM-15571-06 0073 (GMP) LARSON, C. P. Anesthesia research—Program project—Cerebral circulation and metabolism (monkeys, dogs, human).
- P01GM-15571-06 0074 (GMP) SHNIDER, SOL M. Anesthesia research—Program project—Obstetrical anesthesia—Data collection.
- P01GM-15571-06 0075 (GMP) SHNIDER, SOL M. Anesthesia research—Program project—Obstetrical anesthesia—Epidural anesthesia for elective cesarean section (human).
- P01GM-15571-06 0076 (GMP) SHNIDER, SOL M. Anesthesia research—Program project—Obstetrical anesthesia—Methoxyflurane analgesia and renal toxicity (human).
- P01GM-15571-06 0077 (GMP) SHNIDER, SOL M. Anesthesia research—Program project—Obstetrical anesthesia—Ketamine (human).
- P01GM-15571-06 0078 (GMP) SHNIDER, SOL M. Anesthesia research—Program project—Obstetrical anesthesia—Studies in pregnant sheep.
- P01GM-15571-06 0079 (GMP) SINGER, MORLEY M. Anesthesia research—Program project—Intensive care unit.
- R01GM-15590-08 (MBC) KAPLAN, SAMUEL, UNIVERSITY OF ILLINOIS, 131 BURRILL HALL, URBANA, ILL. Induction and biogenesis of subcellular organelles (bacteria).
- R01GM-15591-07 (TOX) TU, ANTHONY T, COLORADO STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, FORT COLLINS, COLO. Hemorrhagic and necrotic toxins in snake venoms (mice).
- R01GM-15597-07 (GEN) SHAW, CHARLES R, M D ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TEX. Genetic and comparative studies of enzymes (human, microorganisms).
- R01GM-15661-06 (MBY) HEARST, JOHN E, UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, BERKELEY, CALIF. Chemistry of metaphase chromosomes (flies).
- R01GM-15692-07 (PHY) SOLOMON, ARTHUR K, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Red cell ion transport and lipid bilayers (human, dogs, flies).
- R01GM-15697-07 (PC) SPEYER, JOSEPH F, UNIVERSITY OF CONNECTICUT, GEN & CELL BIO SECT, U-131, STORRS, CONN. Molecular mechanisms of information transfer (E coli, T7 phage).
- R01GM-15715-06 (BBCA) DYSON, ROBERT D, OREGON STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYS, CORVALLIS, OREG. Associating systems and enzyme control.
- P01GM-15731-06 (SSS) NEURATH, HANS, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Protoalytic enzymes—Diversity, function, homology.
- P01GM-15731-06 0001 (SSS) NEURATH, HANS. Protoalytic enzymes—Diversity, function, homology—Homology and evolution (mammals, yeast, bacteria, human, birds, aquatic animals).
- P01GM-15731-06 0002 (SSS) NEURATH, HANS. Protoalytic enzymes—Diversity, function, homology—Biospecific adsorption.
- P01GM-15731-06 0003 (SSS) NEURATH, HANS. Protoalytic enzymes—Diversity, function, homology—Biological events initiated by proteases (cattle, plants, aquatic animals).
- P01GM-15731-06 0004 (SSS) NEURATH, HANS. Protoalytic enzymes—Diversity, function, homology—Diversity of protoalytic enzymes (cattle, yeast, dogfish, lungfish, B subtilis).
- P11GM-15759-08 (PTR) PEARSON, CARL M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Clinical pharmacology in rheumatic and muscular diseases.
- P11GM-15759-08 0016 (PTR) PAULUS, HAROLD E. Clinical pharmacology in rheumatic and muscular diseases—Effects of aspirin on serum concentrations of indomethacin (human).
- P11GM-15759-08 0017 (PTR) BLUESTONE, RODNEY. Clinical pharmacology in rheumatic and muscular diseases—Clinical and laboratory study of gold preparations (human, rats).
- P11GM-15759-08 0018 (PTR) PAULUS, HAROLD E. Clinical pharmacology in rheumatic and muscular diseases—Effect of anti-inflammatory agents on acute and chronic inflammation in patients.
- P11GM-15759-08 0019 (PTR) PAULUS, HAROLD E. Clinical pharmacology in rheumatic and muscular diseases—Anti-inflammatory effects of flumefenine and triflumidato (human).
- P11GM-15759-08 0020 (PTR) LEVY, JOSHUA. Clinical pharmacology in rheumatic and muscular diseases—Azathioprine and cyclophosphamide rheumatoid arthritis and psoriatic arthritis.
- P11GM-15759-08 0021 (PTR) BARNETT, EUGENE. Clinical pharmacology in rheumatic and muscular diseases—Effects of azathioprine on SLE with nephritis and in collagen-vascular diseases.
- P11GM-15759-08 0022 (PTR) GOLDBERG, LEONARD. Clinical pharmacology in rheumatic and muscular diseases—Methotrexate in corticosteroid resistant polymyositis and dermatomyositis.
- P11GM-15759-08 0023 (PTR) PEARSON, CARL M. Clinical pharmacology in rheumatic and muscular diseases—Treatment of four cases of Wegener's granulomatosis with cyclophosphamide.
- P11GM-15759-08 0024 (PTR) PAULUS, HAROLD, E. Clinical pharmacology in rheumatic and muscular diseases—Methodology for assay of cyclophosphamide in serum and urine.
- P11GM-15759-08 0025 (PTR) LEVY, JOSHUA. Clinical pharmacology in rheumatic and muscular diseases—Effects of azathioprine and cyclophosphamide on cellular functions (human).
- P11GM-15759-08 0026 (PTR) KLINENBERG, JAMES. Clinical pharmacology in rheumatic and muscular diseases—Azathioprine resistance and sensitivity—Dose requirements (human).
- P11GM-15759-08 0027 (PTR) LEVY, JOSHUA. Clinical pharmacology in rheumatic and muscular diseases—Azathioprine and cyclophosphamide effect humoral and cellular immunity (human).
- P11GM-15759-08 0028 (PTR) BLUESTONE, RODNEY. Clinical pharmacology in rheumatic and muscular diseases—Penicillamine effect on serum immunoglobulins and rheumatoid factor in arthritis.
- P11GM-15759-08 0029 (PTR) KLINENBERG, JAMES. Clinical pharmacology in rheumatic and muscular diseases—Effects of drugs on urata binding to plasma proteins (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P11GM-15759-08 0030 (PTR) KLINENBERG, JAMES. Clinical pharmacology in rheumatic and muscular diseases-Relationship between renal function and responsiveness to uricosuric drugs.
- P11GM-15759-08 0031 (PTR) KLINENBERG, JAMES. Clinical pharmacology in rheumatic and muscular diseases-Oxonate inhibition of uricase in rats-Experimental model for gouty nephropathy.
- P11GM-15759-08 0032 (PTR) BLUESTONE, RODNEY. Clinical pharmacology in rheumatic and muscular diseases-Uricosuric and lipid-lowering effect of MK-185 (human).
- P11GM-15759-08 0033 (PTR) KLINENBERG, JAMES. Clinical pharmacology in rheumatic and muscular diseases-New uricosuric drugs (human).
- P11GM-15759-08 0034 (PTR) LEVY, JOSHUA. Clinical pharmacology in rheumatic and muscular diseases-Drugs screening by use of animal models (rats, rabbits, goldfish, guinea pigs).
- P11GM-15759-08 0035 (PTR) KLINENBERG, JAMES. Clinical pharmacology in rheumatic and muscular diseases-In vitro studies in animal models (rats, human).
- P11GM-15759-08 0036 (PTR) PETER, JAMES B. Clinical pharmacology in rheumatic and muscular diseases-Cytotoxin production and its inhibition by drugs (human, rats).
- P11GM-15759-08 0037 (PTR) GOLDBERG, LEONARD. Clinical pharmacology in rheumatic and muscular diseases-Studies of lymphokines (human).
- P11GM-15759-08 0038 (PTR) GOLDBERG, LEONARD. Clinical pharmacology in rheumatic and muscular diseases-Serologic abnormalities associated with L-dopa therapy (rabbits).
- P11GM-15759-08 0039 (PTR) PETER, JAMES B. Clinical pharmacology in rheumatic and muscular diseases-Types of skeletal muscle and their sub-cellular fractions (human, animals).
- P11GM-15759-08 0040 (PTR) PETER, JAMES B. Clinical pharmacology in rheumatic and muscular diseases-Adaptation of muscle to exercise (human, mammals).
- P11GM-15759-08 0041 (PTR) PETER, JAMES B. Clinical pharmacology in rheumatic and muscular diseases-Clinical pharmacology of muscle diseases.
- P11GM-15759-08 0042 (PTR) CAMPION, DAVID S. Clinical pharmacology in rheumatic and muscular diseases-Electrophysiological studies of human skeletal muscle and effects of drugs.
- P11GM-15759-08 0043 (PTR) PEARSON, CARL M. Clinical pharmacology in rheumatic and muscular diseases-Lymphocyte depletion as a specific immunosuppressive measure (human).
- P11GM-15759-08 0044 (PTR) BARNETT, EUGENE. Clinical pharmacology in rheumatic and muscular diseases-Identification of DNA isolated from synovial and serum cryoprecipitates (human).
- P11GM-15759-08 0045 (PTR) BARNETT, EUGENE. Clinical pharmacology in rheumatic and muscular diseases-Relevance of viral or auto-antibodies to diagnosis in rheumatic diseases (human).
- P11GM-15759-08 0046 (PTR) BARNETT, EUGENE. Clinical pharmacology in rheumatic and muscular diseases-Tests of oncologic potentials of anti-rheumatic and immuno-suppressive drugs.
- P11GM-15759-08 0047 (PTR) KLINENBERG, JAMES. Clinical pharmacology in rheumatic and muscular diseases-Data retrieval system for patients with rheumatic diseases.
- P11GM-15759-08 0048 (PTR) CRACCHIOLO, ANDREA. Clinical pharmacology in rheumatic and muscular diseases-Immunologic changes in synovial fluid after synovectomy (human).
- P11GM-15759-08 0049 (PTR) CRACCHIOLO, ANDREA. Clinical pharmacology in rheumatic and muscular diseases-Cryoprecipitates from synovial fluid of a rheumatoid patient.
- P11GM-15759-08 0050 (PTR) GOLDBERG, LEONARD. Clinical pharmacology in rheumatic and muscular diseases-Hidden gastric autoantibodies to intrinsic factor in pernicious anemia (human).
- P11GM-15759-08 0051 (PTR) CRACCHIOLO, ANDREA. Clinical pharmacology in rheumatic and muscular diseases-Hidden antigenic globulins in rheumatic diseases (human).
- P11GM-15759-08 0052 (PTR) GOLDBERG, LEONARD. Clinical pharmacology in rheumatic and muscular diseases-Immunologic abnormalities induced by post-perfusion cytomegalovirus infection.
- P11GM-15759-08 0053 (PTR) DORNFIELD, LESLIE. Clinical pharmacology in rheumatic and muscular diseases-Polyarteritis and intrarenal arterial aneurysms (human).
- P11GM-15759-08 0054 (PTR) LEVY, JOSHUA. Clinical pharmacology in rheumatic and muscular diseases-Evaluation of the characteristics of the rheumatoid factor.
- P11GM-15759-08 0055 (PTR) LEVY, JOSHUA. Clinical pharmacology in rheumatic and muscular diseases-Heterogeneity of the IgM paraproteins and sub-class differences in IgM turnover.
- P11GM-15759-08 0056 (PTR) PEARSON, CARL M. Clinical pharmacology in rheumatic and muscular diseases-Search for antigen response responsible for adjuvant-induced arthritis in rats.
- P11GM-15759-08 0057 (PTR) PEARSON, CARL M. Clinical pharmacology in rheumatic and muscular diseases-Adjuvant-induced arthritis and delayed skin reactivity to Wax D.
- RO1GM-15761-06 (GEN) SLAYMAN, CAROLYN W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Genetic study of ion transport in Neurospora.
- RO1GM-15766-07 (MBC) EPSTEIN, WOLFGANG, UNIVERSITY OF CHICAGO, DEPT OF BIOCHEMISTRY, CHICAGO, ILL. Regulatory mechanisms in E coli.
- PO1GM-15768-06 (SSS) SCHENK, WORTHINGTON G, JR, 462 GRIDER STREET, BUFFALO, N.Y. Sequence of organ failures following trauma.
- PO1GM-15768-06 0001 (SSS) SCHENK, WORTHINGTON G, JR. Sequence of organ failures following trauma-Basic laboratory investigation (mammals nonhuman, human).
- PO1GM-15768-06 0002 (SSS) SCHENK, WORTHINGTON G, JR. Sequence of organ failures following trauma-Clinical study center.
- PO1GM-15768-06 0009 (SSS) SCHENK, WORTHINGTON G, JR. Sequence of organ failures following trauma-New methodology for cardiac output measurement.
- PO1GM-15768-06 0010 (SSS) SCHENK, WORTHINGTON G, JR. Sequence of organ failures following trauma-Prophylaxis of pulmonary embolism (human).
- RO1GM-15792-08 (BBCA) VON HIPPEL, PETER M, UNIVERSITY OF OREGON, INST OF MOLECULAR BIOLOGY, EUGENE, OREG. Structure and relations of proteins and nucleic acids.
- RO1GM-15792-08 0001 (BBCA) VONHIPPEL, PETER M. Structure and relations of proteins and nucleic acids-DNA-protein interactions (bacteria).
- RO1GM-15792-08 0002 (BBCA) VONHIPPEL, PETER M. Structure and relations of proteins and nucleic acids-Effects of solvent perturbants on the stability of macromolecular conformation.
- RO1GM-15821-06 (SSS) OLSON, CARTER L, OHIO STATE UNIVERSITY, 500 W 12TH AVENUE, COLUMBUS, OHIO. Development of new assays for enzymes and inhibitors (human, blood).
- RO1GM-15837-07 (MBY) WRIGHT, ANDREW, TUFTS UNIVERSITY SCH OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Structure and function of lipids in the cell membrane (viruses, bacteria).
- RO1GM-15847-06 (MCHB) KARGER, BARRY L, NORTHEASTERN UNIVERSITY, 360 HUNTINGTON AVENUE, BOSTON, MASS. High speed liquid gas chromatography.
- RO1GM-15858-07 (PHY) SLAYMAN, CLIFFORD L, JR, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Membrane potential and active transport in Neurospora.
- RO1GM-15879-17 (GEN) ALLEN, SALLY L, UNIVERSITY OF MICHIGAN, ZOOLOGY DEPT, ANN ARBOR, MICH. Genetics of Tetrahymena and Paramecium.
- RO1GM-15831-14 (PC) GROSSMAN, LAWRENCE, GRADUATE DEPT OF BIOCHEMISTRY, BRANDEIS UNIVERSITY, WALTHAM, MASS. Enzymatic excision and repair mechanism.
- RO1GM-15883-10 (GEN) PIOUS, DONALD A, UNIVERSITY OF WASHINGTON, DEPT OF PEDIATRICS RD-20, SEATTLE, WASH. Genetic structure and function in human cells.
- RO1GM-15884-09 (MBC) MATTOON, JAMES R, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Genetic modification of mitochondria.
- RO1GM-15886-08 (GEN) COMINGS, DAVID E, CITY OF HOPE MEDICAL CENTER, 1500 DUARTE ROAD, DUARTE, CALIF. Physiology and biochemistry of human chromosomes (Drosophila).
- PO1GM-15904-07 (GMP) KITZ, RICHARD J, MASSACHUSETTS GEN HOSP, DEPT OF ANESTHESIA, BOSTON, MASS. Anesthesiology center for research and teaching.
- PO1GM-15904-07 0001 (GMP) KITZ, RICHARD J. Anesthesiology center for research and teaching-Effect of anesthetics on brain enzymes and other cerebral proteins.
- PO1GM-15904-07 0002 (GMP) LAASBERG, LEMBIT M. Anesthesiology center for research and teaching-Anesthetics and non-enzyme proteins, polypeptides and cellular components.
- PO1GM-15904-07 0003 (GMP) MILLER, KEITH W. Anesthesiology center for research and teaching-Molecular interactions of anesthetics (mice, newts).
- PO1GM-15904-07 0004 (GMP) SETTLE, WAYNE. Anesthesiology center for research and teaching-Molecular basis of action of general anesthetics.
- PO1GM-15904-07 0005 (GMP) CHRISTOPORIDES, CHRISTOS. Anesthesiology center for research and teaching-Solubility of anesthetics in body fluids.
- PO1GM-15904-07 0006 (GMP) KITZ, RICHARD J. Anesthesiology center for research and teaching-Drug-nerve interactions (squid).
- PO1GM-15904-07 0007 (GMP) PILON, ROBERT N JR. Anesthesiology center for research and teaching-Anesthetics and evoked potentials in sympathetic ganglion cells.
- PO1GM-15904-07 0008 (GMP) KITZ, RICHARD J. Anesthesiology center for research and teaching-New ester quaternary ammonium compounds (rats, rabbits, cats).
- PO1GM-15904-07 0009 (GMP) GOLDBERG, ALAN H. Anesthesiology center for research and teaching-Anesthetics and mechanical properties of heart muscle.
- PO1GM-15904-07 0010 (GMP) ALPER, MILTON. Anesthesiology center for research and teaching-Obstetrical anesthesia and perinatal care.
- PO1GM-15904-07 0011 (GMP) SMITH, IVOR S. Anesthesiology center for research and teaching-Obstetrical anesthesia and perinatal morbidity and mortality (human).
- PO1GM-15904-07 0012 (GMP) PONTOPPIDAN, HENNING. Anesthesiology center for research and teaching-Acute respiratory insufficiency-Computer program.
- PO1GM-15904-07 0013 (GMP) WILSON, ROGER S. Anesthesiology center for research and teaching-Acute respiratory insufficiency-Ventilation-perfusion ratio inequality.
- PO1GM-15904-07 0014 (GMP) GEFFIN, BENNIE. Anesthesiology center for research and teaching-Acute respiratory insufficiency-Ventilator pattern.
- PO1GM-15904-07 0015 (GMP) WILSON, ROGER S. Anesthesiology center for research and teaching-Acute respiratory insufficiency-Oxygen cost of breathing.
- PO1GM-15904-07 0016 (GMP) PONTOPPIDAN, HENNING. Anesthesiology center for research and teaching-Acute respiratory insufficiency-Airway and airspace closure (human).
- PO1GM-15904-07 0017 (GMP) SHORE, NEIL S. Anesthesiology center for research and teaching-Acute respiratory insufficiency-Prolonged ventilation (human).
- PO1GM-15904-07 0018 (GMP) DARRAH, HILARY K. Anesthesiology center for research and teaching-Anesthesia and lung chemistry.
- PO1GM-15904-07 0019 (GMP) BUSHNELL, LEONARD. Anesthesiology center for research and teaching-Prevention of pulmonary infection in respiratory failure (human).
- PO1GM-15904-07 0020 (GMP) DON, HILARY. Anesthesiology center for research and teaching-Gas exchange in respiratory failure.
- PO1GM-15904-07 0021 (GMP) LAYER, MYRON B. Anesthesiology center for research and teaching-Blood gas exchange (human).
- PO1GM-15904-07 0022 (GMP) GABEL, RONALD A. Anesthesiology center for research and teaching-Physiologic response of man to hypoxia and hypercapnia.
- PO1GM-15904-07 0023 (GMP) DYKES, MICHAEL H M. Anesthesiology center for research and teaching-Anesthesia center.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1GM-15904-07 0024 (GMP) CYWINSKI, JOZEF. Anesthesiology center for research and teaching-Bioengineering.
- PO1GM-15904-07 0025 (GMP) ALPER, MILTON. Anesthesiology center for research and teaching-Post-partum pain.
- PO1GM-15904-07 0026 (GMP) BURKE, JOHN. Anesthesiology center for research and teaching-Pain and anxiety in children with burns.
- PO1GM-15904-07 0027 (GMP) SMITH, G. M. Anesthesiology center for research and teaching-Pain.
- PO1GM-15904-07 0028 (GMP) SWEET, W. H. Anesthesiology center for research and teaching-Electrical suppression of pain.
- PO1GM-15904-07 0029 (GMP) SMITH, G. M. Anesthesiology center for research and teaching-Pain tolerance.
- PO1GM-15904-07 0030 (GMP) SMITH, G. M. Anesthesiology center for research and teaching-Situational factors and pain.
- PO1GM-15904-07 0031 (GMP) SMITH, G. M. Anesthesiology center for research and teaching-Subjective and behavioral effects of anesthetics.
- PO1GM-15904-07 0032 (GMP) MEDLEY-WHYTE, JOHN. Anesthesiology center for research and teaching-Anesthesia and shock (mice).
- PO1GM-15904-07 0033 (GMP) SAUBERMANN, ALBERT. Anesthesiology center for research and teaching-Intracellular localization of anesthetics.
- PO1GM-15904-07 0034 (GMP) WOO, SYBIL W. Anesthesiology center for research and teaching-Kinetics of surfactant adsorption and desorption.
- RO1GM-15905-07 (GEN) KUEMPLER, PETER L. UNIVERSITY OF COLORADO, DEPT OF BIOLOGY, BOULDER, COLO. Initiation of chromosome replication (E. coli).
- RO1GM-15913-06 (BIO) MORRISON, MARTIN, ST JUDE CHILDRENS RES HOSP, 332 N LAUDERDALE, MEMPHIS, TENN. Membrane organization in red cells (human).
- RO1GM-15924-07 (PC) STRITTMATTER, PHILIPP, UNIVERSITY OF CONNECTICUT, DEPT OF BIOCHEMISTRY, FARMINGTON, CONN. Structure-function studies on microsomal membrane (rabbits, cattle).
- RO1GM-15925-07 (PC) YARUS, MICHAEL J. UNIVERSITY OF COLORADO, DEPARTMENT OF CHEMISTRY, BOULDER, COLO. Recognition of tRNA by aminocyl tRNA synthetases (E. coli).
- RO1GM-15941-16 (GEN) HEXTER, WILLIAM M. AMHERST COLLEGE, DEPARTMENT OF BIOLOGY, AMHERST, MASS. Genetic fine structure in *Drosophila*.
- P11GM-15956-07 (PTR) AZARNOFF, DANIEL L. UNIVERSITY OF KANSAS, RAINBOW BLVD AT 39TH STREET, KANSAS CITY, KANS. Factors affecting the responses to drugs.
- P11GM-15956-07 0001 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Antacid effect on gastrointestinal drug absorption (rodents, human).
- P11GM-15956-07 0005 (PTR) LUKERT, B. P. Factors affecting the responses to drugs-Effect of fluoride on metabolic bone disease (human).
- P11GM-15956-07 0007 (PTR) KLAASSEN, CURTIS D. Factors affecting the responses to drugs-Gas chromatographic determination of bile acids in bile.
- P11GM-15956-07 0008 (PTR) KLAASSEN, CURTIS D. Factors affecting the responses to drugs-Bile acid secretion and canalicular bile production (dogs, rabbits, rats).
- P11GM-15956-07 0009 (PTR) KLAASSEN, CURTIS D. Factors affecting the responses to drugs-Species differences in the choleric response to bile salts (rat, rabbit, dog).
- P11GM-15956-07 0010 (PTR) KLAASSEN, CURTIS D. Factors affecting the responses to drugs-Effect of nine bile acids on bile flow and bile composition in the dog.
- P11GM-15956-07 0011 (PTR) KLAASSEN, CURTIS D. Factors affecting the responses to drugs-Bile acids and bile flow (rats, rabbits, dogs).
- P11GM-15956-07 0014 (PTR) UYEKI, EDWIN J. Factors affecting the responses to drugs-Hypersensitivity and drug effects (mice).
- P11GM-15956-07 0015 (PTR) KAUFFMAN, RALPH E. Factors affecting the responses to drugs-Intramuscular clindamycin-phosphate (children).
- P11GM-15956-07 0016 (PTR) SCHUMKE, R. NEIL. Factors affecting the responses to drugs-Genetic nervous disorders (human).
- P11GM-15956-07 0017 (PTR) SHORMAN, DON W. Factors affecting the responses to drugs-Pharmacokinetics (rats, human).
- P11GM-15956-07 0019 (PTR) DOULL, JOHN. Factors affecting the responses to drugs-Effects of hyperbaric oxygen and methylene blue on methemoglobinemia (mice).
- P11GM-15956-07 0020 (PTR) SYBODA, DONALD. Factors affecting the responses to drugs-Peroxisomes and drug effects (rodents, human).
- P11GM-15956-07 0024 (PTR) SIRTORI, C. Factors affecting the responses to drugs-Carbohydrate intolerance following nicotinic alcohol (dogs).
- P11GM-15956-07 0025 (PTR) AZARNOFF, DANIEL L. Factors affecting the responses to drugs-Warfarin treatment of transplanted fibrosarcoma (rats).
- P11GM-15956-07 0026 (PTR) BOULOS, Factors affecting the responses to drugs-Placenta transfer of diphenhydantoin (goats).
- P11GM-15956-07 0028 (PTR) AZARNOFF, DANIEL L. Factors affecting the responses to drugs-Effect of colestipol on GI absorption of chlorothiazide (human).
- P11GM-15956-07 0029 (PTR) AZARNOFF, DANIEL L. Factors affecting the responses to drugs-Blood pressure response to norepinephrine in patients with malignancy (also rats).
- P11GM-15956-07 0030 (PTR) DUJOVNE, CARLOS A. Factors affecting the responses to drugs-Hepatotoxic and nephrotoxic drugs (human, rats).
- P11GM-15956-07 0033 (PTR) WAN, SUK HAN. Factors affecting the responses to drugs-Metabolism of sulfadiazine and sulfamerazine and effect of acetate (rabbits).
- P11GM-15956-07 0034 (PTR) UYEKI, EDWIN. Factors affecting the responses to drugs-Phenothiazines effect on development of antibody producing cells in vitro (mice).
- P11GM-15956-07 0035 (PTR) UYEKI, EDWIN. Factors affecting the responses to drugs-Potential assay for detecting environmental teratogens (mice).
- P11GM-15956-07 0036 (PTR) BOULOS, Factors affecting the responses to drugs-Placental transfer of lithium and effects on the newborn (goats).
- P11GM-15956-07 0037 (PTR) BOULOS, Factors affecting the responses to drugs-Placental transfer of penicillin (goats).
- P11GM-15956-07 0038 (PTR) SHOEMAN, DON W. Factors affecting the responses to drugs-Development of analytical procedures.
- P11GM-15956-07 0039 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Effects of aluminum ions on gastrointestinal smooth muscle (rats, guinea pigs).
- P11GM-15956-07 0040 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Disulfiram metabolites in urine (human).
- P11GM-15956-07 0042 (PTR) DUJOVNE, CARLOS A. Factors affecting the responses to drugs-Liver culture toxicity resulting from laxative preparation (human).
- P11GM-15956-07 0043 (PTR) SCHUMKE, R. NEIL. Factors affecting the responses to drugs-Genetic hypopituitarism and isolated gonadotropin deficiency (human).
- P11GM-15956-07 0044 (PTR) SCHUMKE, R. NEIL. Factors affecting the responses to drugs-Teratogenesis caused by chemotherapy (children).
- P11GM-15956-07 0045 (PTR) BOULOS, Factors affecting the responses to drugs-Tumors potentiating catecholamine-induced hypertension (rats).
- P11GM-15956-07 0046 (PTR) SHOEMAN, DON W. Factors affecting the responses to drugs-Plasma protein binding of drugs in uremic patients (also rats).
- P11GM-15956-07 0047 (PTR) HUFFMAN, DAVID H. Factors affecting the responses to drugs-Effect of malignancy on antipyrine metabolism in man.
- P11GM-15956-07 0048 (PTR) SHOEMAN, DON W. Factors affecting the responses to drugs-Effect of propranolol on amphetamine tolerance in rats.
- P11GM-15956-07 0049 (PTR) SHOEMAN, DON W. Factors affecting the responses to drugs-Blood levels of aminophylline and theophylline and airway resistance (human).
- P11GM-15956-07 0050 (PTR) SHOEMAN, DON W. Factors affecting the responses to drugs-Plasma levels of furosemide and its diuretic action.
- P11GM-15956-07 0051 (PTR) KLAASSEN, CURTIS D. Factors affecting the responses to drugs-Biliary excretion of lead, (rats, rabbits, dogs) copper and arsenic.
- P11GM-15956-07 0052 (PTR) KAUFFMAN, RALPH E. Factors affecting the responses to drugs-Placental transfer and fetal urinary excretion of gentamicin (human, goats).
- P11GM-15956-07 0053 (PTR) KAUFFMAN, RALPH E. Factors affecting the responses to drugs-Metabolism of orally administered primidine in children of temporal lobe epilepsy.
- P11GM-15956-07 0054 (PTR) KAUFFMAN, RALPH E. Factors affecting the responses to drugs-Placental transfer of methadone (goats).
- P11GM-15956-07 0055 (PTR) KAUFFMAN, RALPH E. Factors affecting the responses to drugs-Clinical investigation of intravenous sodium dicloxacillin in children.
- P11GM-15956-07 0056 (PTR) KAUFFMAN, RALPH E. Factors affecting the responses to drugs-Excretion, distribution of digoxin related to age, weight, height, body surface.
- P11GM-15956-07 0057 (PTR) KAUFFMAN, RALPH E. Factors affecting the responses to drugs-Pharmacokinetic studies of acetaminophen in children.
- P11GM-15956-07 0058 (PTR) DUJOVNE, CARLOS A. Factors affecting the responses to drugs-Cytotoxic interactions between estrogens and progestins on liver (human, rats).
- P11GM-15956-07 0059 (PTR) DUJOVNE, CARLOS A. Factors affecting the responses to drugs-Clinical evaluation of hypoproteinemic drugs.
- P11GM-15956-07 0060 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Effects of antacids on gastric emptying (human).
- P11GM-15956-07 0061 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Diarrhea in carcinoid syndrome-Effects of aluminum hydroxide gel (human).
- P11GM-15956-07 0062 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Effects of irradiation on gastrointestinal drug absorption in mice and rats.
- P11GM-15956-07 0063 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Effects of endotoxin on drug absorption (mammals).
- P11GM-15956-07 0064 (PTR) HURWITZ, ARYEH. Factors affecting the responses to drugs-Drug absorption by isolated intestinal cells.
- P11GM-15956-07 0065 (PTR) REDDY, JANARDAN. Factors affecting the responses to drugs-Studies on peroxisomes.
- P11GM-15956-07 0066 (PTR) WAN, SUK HAN. Factors affecting the responses to drugs-In vivo kinetics of drug absorption from the bladder of rabbits.
- RO1GM-15971-07 (MBY) SINGER, S JONATHAN, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF BIOLOGY, LA JOLLA, CALIF. Molecular approaches to cell ultrastructure (human, cattle, frogs, microorganisms).
- PO1GM-15991-06 (SSS) BONICA, JOHN J. UNIVERSITY OF WASHINGTON, 1959 N E PACIFIC R C 40, SEATTLE, WASH. Anesthesia research center.
- PO1GM-15991-06 0006 (SSS) HORNBEIN, THOMAS F. Anesthesia research center-Chemical regulation of ventilation.
- PO1GM-15991-06 0007 (SSS) CHENEY, FREDERICK W. Anesthesia research center-Tidal volumes in acute pulmonary edema (dogs).
- PO1GM-15991-06 0013 (SSS) DEJONG, RUDOLPH M. Anesthesia research center-Local anesthetic toxicity (rats, cats, monkeys).
- PO1GM-15991-06 0019 (SSS) GALINDO, ANIBAL H. Anesthesia research center-Action of anesthetic agents on synaptic and junctional transmission (rats, human).
- PO1GM-15991-06 0048 (SSS) WINTER, PETER M. Anesthesia research center-Pulmonary oxygen toxicity (monkeys, dogs, rats).
- PO1GM-15991-06 0050 (SSS) PINK, B. R. Anesthesia research center-Inhibition of rapid axonal transport by lidocaine in vivo (rabbits, mice).
- PO1GM-15991-06 0051 (SSS) PINK, B. R. Anesthesia research center-Binding of lidocaine in nerves and other tissues (rabbits).
- PO1GM-15991-06 0054 (SSS) CHENEY, F. W. Anesthesia research center-Oxygen tensions in development of edema in isolated perfused dog lungs.
- PO1GM-15991-06 0073 (SSS) CHENEY, F. W. Anesthesia research center-Effects of ventilatory pattern on ventilation-perfusion in pulmonary edema (dogs).
- PO1GM-15991-06 0086 (SSS) BONICA, JOHN J. Anesthesia research center-Regional anesthesia in managing abnormal uterine contraction (human).
- PO1GM-15991-06 0092 (SSS) CHAPMAN, C. R. Anesthesia research center-Chronic pain-Behavioral perspective and steps toward a psychotherapy (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1GM-15991-06 0093 (SSS) MATHER, L. Anesthesia research center—Disposition of local anesthetics—Relationship to pathophysiological status.
- PO1GM-15991-06 0095 (SSS) CULLEN, BRUCE F. Anesthesia research center—Anesthesia and anesthetic agents and phagocytosis and antigen processing (human).
- PO1GM-15991-06 0096 (SSS) CULLEN, BRUCE F. Anesthesia research center—Effect of anesthesia and anesthetic agents on human lymphocyte transformation.
- PO1GM-15991-06 0097 (SSS) CULLEN, BRUCE F. Anesthesia research center—Effect of anesthesia on cytotoxic activity of lymphoid cells against tumor (mice).
- PO1GM-15991-06 0098 (SSS) CHENEY F W. Anesthesia research center—Effects of CPPV on the distribution of cardiac output in monkeys.
- PO1GM-15991-06 0099 (SSS) CHENEY F W. Anesthesia research center—Anatomic pulmonary shunts and vessel size in disorders of gas exchange.
- PO1GM-15991-06 0100 (SSS) HEAVNER, JAMES E. Anesthesia research center—General anesthetics—Central targets (cats, monkeys).
- PO1GM-15991-06 0101 (SSS) BONICA, JOHN J. Anesthesia research center—Response to labor, delivery and anesthesia in high risk pregnancies (human).
- PO1GM-15991-06 0102 (SSS) TUCKER, GEOFFREY, T. Anesthesia research center—Placental transfer of local anesthetics (monkeys).
- PO1GM-15991-06 0106 (SSS) BONICA, JOHN J. Anesthesia research center—Regional anesthesia—Good risk surgical patients.
- PO1GM-15991-06 0107 (SSS) BONICA, JOHN J. Anesthesia research center—Regional anesthesia and trauma (cats, monkeys, human).
- PO1GM-15991-06 0108 (SSS) BLACK, RICHARD G. Anesthesia research center—Trigeminal nerve hyperactivity in relation to pain-like states (cats).
- RO1GM-15994-06 (MCHA) BURSEY, MAURICE M. UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF CHEMISTRY, CHAPEL HILL, N. C. Ion-molecule mass spectra in structure elucidation.
- RO1GM-15996-06 (MCHB) VICKERS, THOMAS J. FLORIDA STATE UNIVERSITY, DEPT OF CHEMISTRY, TALLAHASSEE, FLA. Trace element analysis in biological samples.
- RO1GM-15997-06 (MCHA) HART, HAROLD, MICHIGAN STATE UNIVERSITY, DEPT OF CHEMISTRY, EAST LANSING, MICH. Organic syntheses.
- RO1GM-16031-13 (PHRA) MOSHER, HARRY S. DEPT OF CHEMISTRY, STANFORD UNIV, STANFORD, CALIF. Amphibian toxins—Chemistry and pharmacology (frogs, fish, cats).
- PO1GM-16058-09 (GMP) ADEY, W ROSS, UNIVERSITY OF CALIFORNIA, CTR FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Biosensor and subject monitoring system development.
- PO1GM-16058-09 0001 (GMP) LYONS, HAROLD. Biosensor and subject monitoring system development—Fluorescence spectroscopy for biological probes.
- PO1GM-16058-09 0002 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Biotelemetry and telemedicine.
- PO1GM-16058-09 0005 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Semi-implantable radiofrequency telemetry (primates).
- PO1GM-16058-09 0006 (GMP) NIRENBERG, L M. Biosensor and subject monitoring system development—Sequence analysis technique (human, monkeys, rats).
- PO1GM-16058-09 0007 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Portable checkout system.
- PO1GM-16058-09 0008 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Elliptic function design filter.
- PO1GM-16058-09 0009 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Underwater telemetry (human).
- PO1GM-16058-09 0010 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Medication chronolog (human).
- PO1GM-16058-09 0011 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Spectral analysis of EEG data.
- PO1GM-16058-09 0012 (GMP) ADEY, W ROSS. Biosensor and subject monitoring system development—Automated system for primate instruction (ASPRIN).
- RO1GM-16059-06 (MBC) RUDNER, RIVKA, HUNTER COLLEGE, 695 PARK AVENUE, NEW YORK, N Y. Macromolecular aspects of synchronous cell division (bacteria).
- RO1GM-16066-07 (PC) TSO, PAUL O, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Nucleic acid chemistry and its biomedical application.
- RO1GM-16074-06 (OBN) ENFIELD, FRANKLIN D, 254 BIOSCIENCE CENTER, UNIVERSITY OF MINNESOTA, ST PAUL MINN. Investigations in quantitative genetics (mice, beetles).
- RO1GM-16133-07 (SSS) UPDIKE, STUART J, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVE, 209 SML, MADISON, WIS. Immobilized enzymes to analyze and alter metabolism—Glucose enzyme electrode.
- RO1GM-16133-07 0001 (SSS) UPDIKE, STUART J. Immobilized enzymes to analyze and alter metabolism—Glucose enzyme electrode.
- RO1GM-16133-07 0002 (SSS) UPDIKE, STUART J. Immobilized enzymes to analyze and alter metabolism—Asparaginase for intravenous injection (rats).
- RO1GM-16133-07 0002 (SSS) UPDIKE, STUART J. Immobilized enzymes to analyze and alter metabolism—Immobilized antibody for radioimmunoassays (mammal).
- RO1GM-16133-07 0006 (SSS) UPDIKE, STUART J. Immobilized enzymes to analyze and alter metabolism—Oxygenation by transmembrane catalysis of hydrogen peroxide (dogs).
- RO1GM-16133-07 0007 (SSS) UPDIKE, STUART J. Immobilized enzymes to analyze and alter metabolism—Bradykinin assay in blood (human).
- RO1GM-16133-07 0008 (SSS) UPDIKE, STUART J. Immobilized enzymes to analyze and alter metabolism—Hormone electrode (toad bladder).
- RO1GM-16133-07 0009 (SSS) UPDIKE, STUART J. Immobilized enzymes to analyze and alter metabolism—Australian antigen (human, guinea pigs).
- RO1GM-16164-06 (EDC) ELVEBACK, LILLIAN R, MAYO FOUNDATION, 200 FIRST ST SOUTHWEST, ROCHESTER, MINN. Stochastic epidemic models.
- RO1GM-16167-06 (BBCA) STEWART, JAMES A, UNIVERSITY OF NORTH DAKOTA, DEPARTMENT OF CHEMISTRY, GRAND FORKS, N DAK. Ionic strength and dielectric effects on chymotrypsin.
- RO1GM-16188-05 (RAD) BEIERWALTES, WILLIAM M, UNIVERSITY OF MICHIGAN, 1405 E ANN STREET, ANN ARBOR, MICH. Detection and measurement of radionuclide (phantom models).
- RO1GM-16195-06 (MBV) SIEGEL, BENJAMIN M, CORNELL UNIVERSITY, CLARK HALL, ITHACA, N Y. Biomolecular structure by electron microscopy.
- RO1GM-16213-07 (MCHA) NAGYVARY, JOSEPH J, TEXAS A&M UNIVERSITY, BIOCHEMISTRY & BIOPHYSICS, COLLEGE STATION, TEX. Some novel synthesis of oligonucleotides.
- P11GM-16216-06 (PTR) HORNING, MARJORIE G, BAYLOR COLL OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Toxicological problems of drugs (placental transfer, lactation).
- P11GM-16216-06 0001 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Acetylsalicylic acid (human).
- P11GM-16216-06 0002 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Anticonvulsant drugs (human).
- P11GM-16216-06 0005 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Uricosuric agents (human).
- P11GM-16216-06 0007 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Illicit drugs (human).
- P11GM-16216-06 0013 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Drug metabolism—Mepredine (rats, human).
- P11GM-16216-06 0015 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Metabolic profiles of urinary acids in the newborn infant (human, rats).
- P11GM-16216-06 0016 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Metabolic profiles of urinary steroids in infants (human).
- P11GM-16216-06 0024 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Drug metabolism—Alphenal (rodents).
- P11GM-16216-06 0029 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Developmental testing (human infants).
- P11GM-16216-06 0030 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Mepredine (human infants).
- P11GM-16216-06 0031 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Diazepam (human).
- P11GM-16216-06 0033 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Steroid administration (human).
- P11GM-16216-06 0034 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Breast milk samples (human).
- P11GM-16216-06 0035 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Bendectin (human).
- P11GM-16216-06 0036 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Drug metabolism—Methasuzimide (human, rodents).
- P11GM-16216-06 0037 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Intravenous alcohol (human).
- P11GM-16216-06 0038 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Drug metabolism in the newborn—Hydroxylation and epoxidation (human, rodents).
- P11GM-16216-06 0039 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Drug metabolism in the newborn—N-demethylation (human).
- P11GM-16216-06 0040 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Drug metabolism in the newborn—Glucosiduronic acid conjugation.
- P11GM-16216-06 0041 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Selective ion detection (human).
- P11GM-16216-06 0042 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Breast milk analysis by single ion detection.
- P11GM-16216-06 0048 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Kinetics of drug metabolism in the neonate (human).
- P11GM-16216-06 0044 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Use of C-13, H-2 and N-15 in analysis.
- P11GM-16216-06 0045 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Epoxide formation as a mechanism of drug toxicity (mammals).
- P11GM-16216-06 0046 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Species difference with respect to toxicity (rabbits, rodents, human).
- P11GM-16216-06 0047 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Molecular basis of toxicity.
- P11GM-16216-06 0048 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Clinical use of drugs in the fetal and neonatal period (rats, guinea pigs).
- P11GM-16216-06 0049 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Instrumental development.
- P11GM-16216-06 0050 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Computer analysis.
- P11GM-16216-06 0051 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Urinary sugars and sugar alcohols in the newborn (human).
- P11GM-16216-06 0052 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Fetal toxicology—Therapeutic agents in common use (human).
- P11GM-16216-06 0053 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Fetal toxicology—Active agents other than ethical drugs (human).
- P11GM-16216-06 0054 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Basic studies on mechanisms of teratogenicity (mammals subhuman).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P11GM-16216-06 0055 (PTR) HORNING, MARJORIE G. Toxicological problems of drugs (placental transfer, lactation)—Research approaches to treatment of organic chemical poisoning (mammals subhuman).
- RO1GM-16224-17 (GEN) TATUM, EDWARD L. ROCKEFELLER UNIVERSITY, 1230 YORK AVENUE, NEW YORK, N. Y. Biochemical genetics of microorganisms (neurospora).
- RO1GM-16228-06 (BIO) YASUNOBU, KERRY T, SCH OF MED UNIV OF HAWAII, 2538 THE MALL SNYDER 401, HONOLULU, HAWAII. Structure-function of bacterial proteins (also cattle, plants).
- RO1GM-16231-06 (MCHB) BERGMAN, ROBERT G, CALIF INST OF TECHNOLOGY, DEPT OF CHEMISTRY, PASADENA, CALIF. Cationic cyclizations at vinylic termini.
- RO1GM-16248-16 (RAD) KUHL, DAVID E, DEPT OF RADIOLOGY, UNIV OF PENNSYLVANIA, PHILADELPHIA, PA. Quantitative section scanning in brain tumor and stroke.
- RO1GM-16256-07 (BCCB) VAN OSS, CAREL J, STATE UNIVERSITY OF NEW YORK, DEPT OF MICROBIO, 207 SHERMAN, BUFFALO, N. Y. Separation of blood serum proteins by ultrafiltration (human).
- RO1GM-16260-06 (BCCA) WILLIAMS, DONALD E, UNIVERSITY OF LOUISVILLE, DEPARTMENT OF CHEMISTRY, LOUISVILLE, KY. Derivation of nonbonded potential parameters.
- RO1GM-16263-06 (BCCA) STEPHENS, PHILIP J, UNIVERSITY OF SOUTHERN CALIF, SEAVER SCI CTR, ROOM 724, LOS ANGELES, CALIF. Magnetic circular dichroism.
- RO1GM-16260-06 (BCCA) PAO, YOH-HAN, CASE WESTERN RESERVE UNIV, 10900 EUCLID AVENUE, CLEVELAND, OHIO. Reflection circular dichroism of biomolecular systems.
- RO1GM-16282-06 (PC) GRUENWEDEL, DIETER W, UNIVERSITY OF CALIFORNIA, 1242 FORDHAM DRIVE, DAVIS, CALIF. Base-specific interactions of DNA (viruses, bacteria).
- RO1GM-16289-06 (GEN) HANSCHE, PAUL E, UNIVERSITY OF CALIFORNIA, DEPT OF GENETICS, DAVIS, CALIF. Genetic adaptation (yeasts).
- RO1GM-16292-06 (MBC) SILBERT, DAVID F, WASHINGTON UNIV SCH OF MED, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Biochemical genetic study of bacterial fatty acids.
- RO1GM-16298-06 (GEN) BOYD, JAMES B, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF GENETICS, DAVIS, CALIF. Molecular and genetic studies (*Drosophila*).
- RO1GM-16306-06 (GEN) HALL, DWIGHT H, DUKE UNIV MEDICAL CENTER, DEPARTMENT OF BIOCHEMISTRY, DURHAM, N. C. Organization and expression of the genome of bacteriophage T4 (E coli).
- RO1GM-16314-06 (BIO) SAN PIETRO, ANTHONY, INDIANA UNIVERSITY, DEPARTMENT OF PLANT SCIENCES, BLOOMINGTON, IND. Hydrogen activation and transfer in biological systems (plants, microorganisms).
- RO1GM-16317-06 (BIO) DEUTSCHER, MURRAY P, UNIVERSITY OF CONNECTICUT, DEPT OF BIOCHEMISTRY, FARMINGTON, CONN. Enzymology and control of amino acid activation (rats, rabbits).
- RO1GM-16320-06 (BIO) SCHATZ, GOTTFRIED, CORNELL UNIVERSITY, SECTION OF BIOCHEM & MOL BIO, ITHACA, N. Y. Biogenesis of mitochondria (yeast).
- RO1GM-16329-06 (GEN) HILL, CHARLES W, M S HERSHEY MEDICAL CENTER, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA. Genetics and biochemistry of missense suppression (E coli, bacteriophage lambda).
- RO1GM-16370-06 (BMA) PHIAFF, HERMAN J, UNIVERSITY OF CALIFORNIA, DEPT OF FOOD SCI & TECHNOLOGY, DAVIS, CALIF. Genome comparison as a basis for yeast taxonomy.
- RO1GM-16389-06 (MBY) BLUMENFELD, OLGA O, YESHIVA UNIVERSITY, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Proteins of the cell membrane (human, rabbits).
- RO1GM-16395-06 (MCHB) ROSENBLUM, MYRON, BRANDEIS UNIVERSITY, DEPT OF CHEMISTRY, WALTHAM, MASS. Organometallic reagents in organic synthesis.
- RO1GM-16406-06 (BCCB) DEBRUNNER, PETER G, UNIVERSITY OF ILLINOIS, DEPARTMENT OF PHYSICS, URBANA, ILL. Resonance spectroscopy of enzymes (bacteria).
- RO1GM-16424-06 (BCCB) RICHARDS, JOHN H, CALIFORNIA INSTITUTE OF TECH, 1201 E CALIFORNIA BOULEVARD, PASADENA, CALIF. Enzyme systems using nuclear magnetic resonance.
- RO1GM-16429-06 (BCCB) LUDWIG, MARTHA L, UNIVERSITY OF MICHIGAN, 2200 NORTH CAMPUS BLVD, ANN ARBOR, MICH. Enzymes in the crystalline state—Structure and activity (bacteria, plants).
- PO1GM-16436-06 (GMP) RUSHMER, ROBERT F, UNIV OF WASHINGTON, AEROSPACE RES LAB ROOM 332, SEATTLE, WASH. Bioengineering program project.
- PO1GM-16436-06 0001 (GMP) HUNTSMAN, LEE L. Bioengineering program project—Cardiac muscle mechanics (mammals).
- PO1GM-16436-06 0005 (GMP) JOHNSON, CURTIS C. Bioengineering program project—Cranial transillumination (human).
- PO1GM-16436-06 0026 (GMP) GALLI, K. R. Bioengineering program project—Real-time analog compensation of catheter-induced pressure artifacts.
- PO1GM-16436-06 0027 (GMP) TOMLINSON M. Bioengineering program project—Clinical evaluation of skin elasticity (human).
- PO1GM-16436-06 0028 (GMP) KIRKPATRICK, G. S. Bioengineering program project—Automatic alignment pylon for a patellar tendon bearing prosthesis.
- PO1GM-16436-06 0029 (GMP) SIGELMANN, R. A. Bioengineering program project—Acoustic scattering in blood (human, dogs).
- PO1GM-16436-06 0030 (GMP) JOHNSON, CURTIS C. Bioengineering program project—Optical propagation in blood.
- PO1GM-16436-06 0031 (GMP) ISHIMARU, A. Bioengineering program project—Optical and ultrasonic propagation analysis in tissue.
- PO1GM-16436-06 0032 (GMP) CARLSON, F. P. Bioengineering program project—Optical data processing applied to microcolony cell identification.
- PO1GM-16436-06 0033 (GMP) GUY, A. W. Bioengineering program project—Microwave heating (human).
- PO1GM-16436-06 0034 (GMP) GUY, A. W. Bioengineering program project—Diagnostic and therapeutic applications of microwaves (human).
- PO1GM-16436-06 0035 (GMP) CARLSON F. P. Bioengineering program project—Fetal heart rate monitoring (human).
- PO1GM-16436-06 0036 (GMP) STEGALL, H. F. Bioengineering program project—Connective tissue structure and properties (dogs).
- PO1GM-16436-06 0037 (GMP) HOFFMAN, A. S. Bioengineering program project—Synthetic biomaterials.
- PO1GM-16436-06 0038 (GMP) HUTSMAN, LEE L. Bioengineering program project—Biomechanics laboratory—Patient monitoring.
- PO1GM-16436-06 0039 (GMP) BAKER, DONALD. Bioengineering program project—Biomechanics laboratory—Pulsed ultrasonic Doppler flowmeter utilization.
- PO1GM-16436-06 0040 (GMP) DUFF, GRAHAM L. Bioengineering program project—Ovulation detection (rabbits).
- PO1GM-16436-06 0041 (GMP) GESSNER, M. E. Bioengineering program project—Vascular flow behavior at branch points.
- PO1GM-16436-06 0042 (GMP) MOHRI, HITOSHI. Bioengineering program project—Fluid dynamic testing of artificial heart valves.
- PO1GM-16436-06 0043 (GMP) LAVIGNE, A. Bioengineering program project—Fluid flow through porous polymer.
- PO1GM-16436-06 0044 (GMP) JORGENSEN, J. E. Bioengineering program project—Pulsed ultrasonic flow meter.
- PO1GM-16436-06 0045 (GMP) CHRISTENSEN, D. Bioengineering program project—Optical laser doppler velocimeter.
- PO1GM-16436-06 0046 (GMP) JORGENSEN, J. E. Bioengineering program project—Pulsatile flow generator.
- PO1GM-16436-06 0047 (GMP) CHRISTENSEN, DOUGLAS. Bioengineering program project—Aerosol motion in an airway.
- PO1GM-16436-06 0048 (GMP) GESSNER, F. B. Bioengineering program project—Fluid dynamics of branched systems.
- PO1GM-16436-06 0049 (GMP) OATES, G. C. Bioengineering program project—Modeling of curved arterial flows.
- PO1GM-16436-06 0050 (GMP) EMERY, A. F. Bioengineering program project—Changes of waves in circular tubes.
- PO1GM-16436-06 0051 (GMP) YATES, W. G. Bioengineering program project—Fluid dynamic testing of artificial heart valves.
- PO1GM-16436-06 0052 (GMP) JOHNSON, STEVE L. Bioengineering program project—Cardiac performance in hyperlipoproteinemia (human).
- PO1GM-16436-06 0053 (GMP) JOHNSON, STEVE L. Bioengineering program project—Physical training and coronary artery disease (human).
- PO1GM-16436-06 0054 (GMP) JOHNSON, STEVE L. Bioengineering program project—Cardiac performance and visualization of coronary arteries (human).
- PO1GM-16436-06 0055 (GMP) SCHIBLI, EUGEN. Bioengineering program project—Miniature data storage device (human).
- PO1GM-16436-06 0056 (GMP) DOW, DAN. Bioengineering program project—Radio-frequency and microwave signal monitor.
- PO1GM-16436-06 0057 (GMP) HARRIS, J. Bioengineering program project—Microinstrumentation—Optical components (human).
- PO1GM-16436-06 0058 (GMP) YEE, SINCLAIR. Bioengineering program project—Multi-function catheter tips.
- PO1GM-16437-06 (SSS) GRODINS, FRED S, UNIVERSITY OF SO CALIFORNIA, UNIVERSITY PARK, LOS ANGELES CALIF. Biomedical engineering program project.
- PO1GM-16437-06 0001 (SSS) GRODINS, FRED S. Biomedical engineering program project—Cardiopulmonary systems (dogs, human).
- PO1GM-16437-06 0002 (SSS) WOLF, MATTHEW B. Biomedical engineering program project—Fluid-electrolyte systems (dogs, human).
- PO1GM-16437-06 0003 (SSS) MOORE, GEORGE P. Biomedical engineering program project—Neural systems (frogs, mollusks).
- PO1GM-16437-06 0004 (SSS) YATES, EUGENE F. Biomedical engineering program project—Metabolic and renal systems (dogs).
- RO1GM-16449-06 (MCHB) LIPPARD, STEPHEN J, COLUMBIA UNIVERSITY, BOX 611 HAVEMEYER HALL, NEW YORK, N. Y. Iron-sulfur coordination and protein chemistry.
- RO1GM-16454-06 (MBY) PARSONS, DONALD F, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Fundamental studies on biological electron imaging.
- RO1GM-16462-11 (COM) WEIL, MAX H, HOLLYWOOD PRESBYTERIAN HOSPITAL, 1322 N VERMONT AVENUE, LOS ANGELES, CALIF. Automatic collection and analysis of data during shock (human).
- RO1GM-16474-06 (SSS) WADE, GLEN, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CALIF. Acoustic-optical interaction for image reconstruction.
- RO1GM-16438-06 (PTR) ESTABROOK, RONALD W, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Hepatic microsomal drug oxidation.
- RO1GM-16438-06 0001 (PTR) ESTABROOK, RONALD W. Hepatic microsomal drug oxidation—Mechanisms of cytochrome P-450 function.
- RO1GM-16438-06 0005 (PTR) MASON, I. Hepatic microsomal drug oxidation—Hormone modification of adrenal cytochrome P-450 (rats).
- RO1GM-16438-06 0006 (PTR) ESTABROOK, RONALD W. Hepatic microsomal drug oxidation—Steroid-drug interactions during oxidative metabolism.
- RO1GM-16438-06 0008 (PTR) WATERMAN, M. Hepatic microsomal drug oxidation—Effect of substrates on the spin state of cytochrome P-450 (rats).
- RO1GM-16438-06 0009 (PTR) MATSUBARA, T. Hepatic microsomal drug oxidation—Electron transport complex of liver microsomes—An additional electron acceptor.
- RO1GM-16438-06 0010 (PTR) MASON, I. Hepatic microsomal drug oxidation—Testicular cytochrome P-450 and iron-sulfur protein (mammals).
- RO1GM-16438-06 0011 (PTR) MASTERS B. S. S. Hepatic microsomal drug oxidation—Effect of inhibitors on electron transport—Specific antibodies (human, mammals).
- RO1GM-16438-06 0012 (PTR) MASTERS B. S. S. Hepatic microsomal drug oxidation—Effect of the chemical inhibitors metyrapone and diacetylmethylene hexyl compounds.
- RO1GM-16438-06 0013 (PTR) SCHWEGLER, E. Hepatic microsomal drug oxidation—Identification of drug and steroid metabolites.
- RO1GM-16488-06 0014 (PTR) ANTHONY, L. Hepatic microsomal drug oxidation—Effects of chronic protein-calorie malnutrition on drug metabolism (rats).
- PO1GM-16492-06 (PTR) TALALAY, PAUL, DEPT OF PHARMACOLOGY, JOHNS HOPKINS SCH OF MED, 725 WOLFE ST, BALTIMORE MD. Design of chemotherapeutic agents.
- PO1GM-16492-06 0001 (PTR) BUEDING, ERNEST. Design of chemotherapeutic agents—Design of anti-schistosomal compounds (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1GM-16492-06 0002 (PTR) BUEDING, ERNEST. Design of chemotherapeutic agents—Antischistosomal effectiveness, toxicity of nitrovinylfuran, SQ 18,506 (mice).
- PO1GM-16492-06 0003 (PTR) BUEDING, ERNEST. Design of chemotherapeutic agents—Development of hycanthone resistance in *Schistosoma mansoni* (mice).
- PO1GM-16492-06 0004 (PTR) COULTER, ALMAN W. Design of chemotherapeutic agents—Synthesis of methionine analogues.
- PO1GM-16492-06 0005 (PTR) COULTER, ALMAN W. Design of chemotherapeutic agents—Pharmacological activities of synthetic analogues (rats, yeast, *E. coli*).
- PO1GM-16492-06 0007 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Mass spectrometry center—Teaching programs (human).
- PO1GM-16492-06 0008 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Mass spectrometry center—Service function (human).
- PO1GM-16492-06 0010 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Mass spectrometry—Chemical ionization.
- PO1GM-16492-06 0012 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Mass spectrometry—Cyclophosphamide (human, mice).
- PO1GM-16492-06 0014 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Mass spectrometry—Urinary conjugates of cholecalciferol and dihydrotestosterone.
- PO1GM-16492-06 0018 (PTR) FENSELAU, CATHERINE S. Design of chemotherapeutic agents—Mass spectrometry—Phospholipids in pulmonary alveolar proteinosis.
- PO1GM-16492-06 0019 (PTR) BUEDING, ERNEST. Design of chemotherapeutic agents—Mode of antischistosomal action of nitroheterocyclic compounds.
- PO1GM-16492-06 0020 (PTR) BUEDING, ERNEST. Design of chemotherapeutic agents—Neurotransmitters in *Schistosoma* and intermediate host, *Biomphalaria glabrata*.
- PO1GM-16492-06 0021 (PTR) BUEDING, ERNEST. Design of chemotherapeutic agents—Possible hormonal control of sexual maturation of female schistosomes (mice).
- PO1GM-16492-06 0022 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Mass spectrometry—Metabolism of clindamycin (human).
- PO1GM-16492-06 0023 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Mass spectrometry—Drug metabolism in special patient groups.
- PO1GM-16492-06 0024 (PTR) FENSELAU, CATHERINE C. Design of chemotherapeutic agents—Photoproducts of bilirubin formed during phototherapy for jaundice (human, rats).
- PO1GM-16496-06 (PTR) MELMON, KENNETH L. UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. Clinical pharmacology—Pharmacokinetics.
- PO1GM-16496-06 0001 (PTR) ROWLAND, MALCOLM. Clinical pharmacology—Pharmacokinetics—Pharmacology, pharmacokinetics and metabolism of lidocaine (primates).
- PO1GM-16496-06 0005 (PTR) ROWLAND, MALCOLM. Clinical pharmacology—Pharmacokinetics—Drugs interaction—Tolbutamide (human, rabbits, sheep).
- PO1GM-16496-06 0014 (PTR) CASTAGNOLI, NEAL. Clinical pharmacology—Pharmacokinetics—Centrally active amines—Alpha-methyl dopa (monkeys, human).
- PO1GM-16496-06 0015 (PTR) RIEGELMAN, SIDNEY. Clinical pharmacology—Pharmacokinetics—Renal metabolism of drugs (monkeys).
- PO1GM-16496-06 0017 (PTR) CRAIG, JOHN. Clinical pharmacology—Pharmacokinetics—Phenothiazine tranquilizers.
- PO1GM-16496-06 0019 (PTR) RIEGELMAN, SIDNEY. Clinical pharmacology—Pharmacokinetics—Saliva studies in uremic subjects.
- PO1GM-16496-06 0020 (PTR) BENET, LES. Clinical pharmacology—Pharmacokinetics—Gastrointestinal absorption studies (primates).
- PO1GM-16496-06 0028 (PTR) MELMON, KENNETH L. Clinical pharmacology—Pharmacokinetics—Physical interaction of agonists with leukocyte receptors.
- PO1GM-16496-06 0030 (PTR) BOURNE, HENRY R. Clinical pharmacology—Pharmacokinetics—Cyclic AMP metabolism in leukocytes.
- PO1GM-16496-06 0031 (PTR) MELMON, KENNETH L. Clinical pharmacology—Pharmacokinetics—Endotoxin and the leukocyte.
- PO1GM-16496-06 0034 (PTR) BOURNE, HENRY R. Clinical pharmacology—Pharmacokinetics—Relation of receptors to cell and tissue function (mice).
- PO1GM-16496-06 0035 (PTR) MELMON, KENNETH L. Clinical pharmacology—Pharmacokinetics—Histamine physiology (primate subhuman).
- PO1GM-16496-06 0036 (PTR) MEYER, URS. Clinical pharmacology—Pharmacokinetics—Drug metabolizing enzymes in liver (rats, human).
- PO1GM-16496-06 0037 (PTR) MARTIN, DAVID. Clinical pharmacology—Pharmacokinetics—Pharmacogenetics of allopurinol and related pyrazolo pyrimidines.
- PO1GM-16496-06 0038 (PTR) SCHEINMANN, MELVIN. Clinical pharmacology—Pharmacokinetics—Drug kinetics in patients with severe heart failure and shock.
- PO1GM-16496-06 0039 (PTR) SCHEINMANN, MELVIN. Clinical pharmacology—Pharmacokinetics—Clinical electrophysiological studies.
- PO1GM-16496-06 0040 (PTR) SCHEINMANN, MELVIN. Clinical pharmacology—Pharmacokinetics—Animal research in drug toxicity (dogs).
- PO1GM-16496-06 0041 (PTR) SCHEINER, LEWIS. Clinical pharmacology—Pharmacokinetics—Computer-aided drug dosage (human).
- PO1GM-16496-06 0042 (PTR) FORSYTH, RALPH. Clinical pharmacology—Pharmacokinetics—Hemodynamic and pharmacologic studies in the primate laboratory.
- PO1GM-16496-06 0043 (PTR) ROWLAND, MALCOLM. Clinical pharmacology—Pharmacokinetics—Disease and drug disposition (human, mammals subhuman).
- PO1GM-16496-06 0044 (PTR) RIEGELMAN, SIDNEY. Clinical pharmacology—Pharmacokinetics—Biliary excretion and enterohepatic cycling of drugs.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1GM-16496-06 0045 (PTR) RIEGELMAN, SIDNEY. Clinical pharmacology—Pharmacokinetics—Binding and elimination of drugs in uremic patients.
- PO1GM-16496-06 0046 (PTR) RIEGELMAN, SIDNEY. Clinical pharmacology—Pharmacokinetics—Theophylline dosing in asthmatics (human).
- PO1GM-16496-06 0047 (PTR) RIEGELMAN, SIDNEY. Clinical pharmacology—Pharmacokinetics—Quinidine maintenance therapy in atrial arrhythmias (human).
- PO1GM-16496-06 0048 (PTR) BENET, LES SIDNEY. Clinical pharmacology—Pharmacokinetics—Absorption, distribution and elimination of carbamazepine.
- PO1GM-16496-06 0049 (PTR) BENET, LES SIDNEY. Clinical pharmacology—Pharmacokinetics—Dose dependent kinetics—Probenecid (monkeys, dogs).
- PO1GM-16496-06 0050 (PTR) BENET, LES SIDNEY. Clinical pharmacology—Pharmacokinetics—Biliary back pressure and excretion of drugs in bile (rats).
- PO1GM-16496-06 0051 (PTR) MATIN, SHAIKH. Clinical pharmacology—Pharmacokinetics—Laboratory of clinical pharmacokinetics (human).
- PO1GM-16496-06 0052 (PTR) ALBERTS, DAVID. Clinical pharmacology—Pharmacokinetics—Anti-cancer drugs in multiple myeloma (human).
- PO1GM-16496-06 0053 (PTR) ALBERTS, DAVID. Clinical pharmacology—Pharmacokinetics—Spleen-colony assay system for bone marrow and leukemia stem cells (mice).
- RO1GM-16498-06 (PHRA) HOLIDAY, DUNCAN A. DEPT OF ANESTHESIOLOGY, PO BOX 875 UNIV OF MIAMI, MIAMI, FLA. Metabolism of volatile fluorinated anesthetics in man.
- RO1GM-16501-06 (COM) GARFINKEL, DAVID, UNIVERSITY OF PENNSYLVANIA, MOORE SCH OF ELECTRICAL ENGR, PHILADELPHIA, PA. Computer modeling of cardiac and hepatic metabolism (rats, mice).
- RO1GM-16503-06 (PHRA) FUJIMOTO, JAMES M, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Alteration in drug metabolism by certain carbamates (chickens, rabbits, human).
- RO1GM-16533-17 (GEN) SUSKIND, SIGMUND R, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STS, BALTIMORE, MD. Genetic information and protein structure and function (fungi).
- RO1GM-16536-06 (GEN) HINTON, CLAUDE W, COLLEGE OF WOOSTER, DEPARTMENT OF BIOLOGY, WOOSTER, OHIO. Chromosome behavior in *Drosophila*.
- RO1GM-16539-06 (BBCB) LANGRIDGE, ROBERT, PRINCETON UNIVERSITY, FRICK CHEMICAL LABORATORY, PRINCETON, N J. Structure of nucleoprotein (microorganisms).
- RO1GM-16541-06 (GEN) SARGENT, MALCOLM L, UNIVERSITY OF ILLINOIS, DEPARTMENT OF BOTANY, URBANA, ILL. Biochemical genetics of *Neurospora circadian* rhythms.
- RO1GM-16547-09 (RAD) RUPERT, CLAUD S, UNIVERSITY OF TEXAS AT DALLAS, P O BOX 30365, DALLAS, TEX. Repair of radiation-damaged nucleic acid (bacteria, yeast, algae).
- RO1GM-16549-06 (SOYA) STAHL, WILLIAM M, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Post-traumatic changes in extracellular fluid volume (dogs, rats).
- RO1GM-16552-06 (BBCB) WAUGH, JOHN S, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. High-resolution NMR in solids (*E. coli*).
- RO1GM-16564-06 (BIO) FIFE, THOMAS H, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIFORNIA. Enzymatic and nonenzymatic reactions of acyl phosphates.
- PO1GM-16593-06 (RAD) LASSER, ELLIOTT C, UNIVERSITY OF CALIFORNIA, 225 W DICKINSON STREET, SAN DIEGO, CALIF. Tissue partitions and toxicity of contrast media (rabbits, dogs).
- PO1GM-16593-06 0001 (RAD) LANG, JOSEPH H. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Molecular pharmacology and protein binding (rabbits).
- PO1GM-16593-06 0002 (RAD) LANG, JOSEPH H. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Potentiometric rate measurements of enzymic reactions.
- PO1GM-16593-06 0003 (RAD) SOVAK, MILOS. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Contrast media design and development I (dogs, rabbits, rats).
- PO1GM-16593-06 0004 (RAD) SOVAK, MILOS. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Contrast media design and development II (rats, dogs).
- PO1GM-16593-06 0005 (RAD) KAPLAN, NATHAN O. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Effects of contrast media on aggregation-disaggregation phenomenon of enzymes.
- PO1GM-16593-06 0006 (RAD) LASSER, ELLIOTT C. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Hemolysis and methemoglobinemia induced by contrast media (human, dogs).
- PO1GM-16593-06 0007 (RAD) BERK, ROBERT N. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Role of Y and Z proteins in hepatic uptake of telepaque from blood (human, rats).
- PO1GM-16593-06 0008 (RAD) LASSER, ELLIOTT C. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Contrast media effects on oxygen carrying capacity of erythrocytes (human, dogs).
- PO1GM-16593-06 0010 (RAD) LASSER, ELLIOTT C. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Hypersensitivity reactions to radiopaque contrast media (human, guinea pigs).
- PO1GM-16593-06 0011 (RAD) TALNER, LEE B. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Pharmacology of renal hemodynamic responses to contrast media (dogs).
- PO1GM-16593-06 0012 (RAD) LASSER, ELLIOTT C. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Contrast media effect on overperfused and hypertensive lung circulation (dogs).
- PO1GM-16593-06 0013 (RAD) BERK, ROBERT N. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Intestinal absorption of biliary contrast media (dogs, rats, rabbits).
- PO1GM-16593-06 0014 (RAD) BERK, ROBERT A. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Hepatic pharmacodynamics of biliary contrast materials (dogs).
- PO1GM-16593-06 0015 (RAD) BERK, ROBERT A. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Mechanism of non-visualization of the gallbladder (human, dogs).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1GM-16593-06 0016 (RAD) TALNER, LEE B. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Deiodination and secretion of contrast media by salivary glands (human, dogs).
- PO1GM-16593-06 0017 (RAD) TALNER, LEE B. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Effects of contrast media on sodium transport in the toad bladder.
- PO1GM-16593-06 0018 (RAD) LASSER, ELLIOTT C. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Na and K movement into red blood cells in presence of contrast media.
- PO1GM-16593-06 0019 (RAD) LONG, DAVID. Tissue partitions and toxicity of contrast media (rabbits, dogs)—Brominated perfluorocarbons in myelography.
- RO1GM-16603-06 (PC) PRICE, PAUL A, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Chemical studies on pancreatic deoxyribonuclease.
- RO1GM-16609-06 (MCHB) MC LAFFERTY, FRED W, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N. Y. Mass spectrometry in biomedical research.
- RO1GM-16611-06 (MCHB) OWENS, RICHARD S, UNIVERSITY OF KANSAS, MALOTT HALL, LAWRENCE, KANS. Photoarrangements of bicyclic ketones.
- RO1GM-16620-06 (RAD) DIERING, REGINALD A, 606 SCIENCE BLDG, PENNSYLVANIA ST UNIV, UNIVERSITY PARK, PA. Gamma ray effects on D discoidium.
- RO1GM-16626-05 (MCHB) ABRAMOVITCH, RUDOLPH A, DEPT OF CHEMISTRY, UNIV OF ALABAMA TUSCALOOSA, UNIVERSITY, ALA. Biologically active heterocyclic N-oxides.
- RO1GM-16648-06 (GEN) ZUBAY, GEOFFREY L, COLUMBIA UNIVERSITY, DEPT OF BIOLOGICAL SCI, NEW YORK, N. Y. Cell-free systems for the study of gene regulation (E coli).
- RO1GM-16697-06 (EDC) ELSTON, ROBERT C, UNIVERSITY OF NORTH CAROLINA, DEPT OF BIOSTATISTICS, CHAPEL HILL, N. C. Genetics of human behavior and mental traits.
- RO1GM-16703-06 (BBCA) STRYER, LUBERT, YALE UNIVERSITY, BOX 1937, NEW HAVEN, CONN. Optical studies of protein structure and function (cattle).
- RO1GM-16712-06 (COM) BROWNELL, GORDON L, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Radioisotope data processing and display.
- RO1GM-16714-06 (PHY) LYMAN, CHARLES P, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Homeostasis in mammalian hibernation (hamsters, ground squirrels).
- RO1GM-16725-06 (COM) WOODBURY, MAX A, DUKE MEDICAL CENTER, P O BOX 3200, DURHAM, N. C. Mathematical models for diagnosis and prognosis.
- RO1GM-16726-05 (BBCA) BARNARD, ERIC A, S U N Y - AT BUFFALO, DEPARTMENT OF BIOCHEMISTRY, BUFFALO, N. Y. Active center studies of enzymes (kangaroos, turtles, deer, yeast).
- RO1GM-16754-06 (CBY) REMSEN, CHARLES C, 3D, WOODS HOLE OCEANOGRAPHIC INST, WOODS HOLE, MASS. Fine structure and composition of membranes (bacteria).
- RO1GM-16767-06 (BIO) KING, TSOO E, DEPARTMENT OF CHEMISTRY, STATE UNIV OF NEW YORK, ALBANY, N. Y. Reconstitution of mitochondrial respiratory chain.
- RO1GM-16784-05 (BIO) YASUNOBU, KERRY T, UNIVERSITY OF HAWAII, 2538 THE MALL ROOM 401, HONOLULU, HAWAII. Structure-function and evolutionary studies of proteins (bacteria, plants, cattle).
- RO1GM-16811-05 (PHRA) HARDMAN, JOEL G, VANDERBILT UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, NASHVILLE, TENN. Role of cyclic GMP and cyclic AMP (animals).
- RO1GM-16834-06 (BIO) DE SA, RICHARD J, UNIVERSITY OF GEORGIA, DEPARTMENT OF BIOCHEMISTRY, ATHENS, GA. Flavoproteins—On-line computers—Instrumentation.
- RO1GM-16834-06 0001 (BIO) DE SA RICHARD J. Flavoproteins—On-line computers—Instrumentation—Flavoprotein oxidases (bacteria).
- RO1GM-16834-06 0002 (BIO) DE SA, RICHARD J. Flavoproteins—On-line computers—Instrumentation—On-line computer applications.
- RO1GM-16834-06 0003 (BIO) DE SA, RICHARD J. Flavoproteins—On-line computers—Instrumentation—Instrumentation.
- RO1GM-16835-06 (MBC) DAVIS, BERNARD D, HARVARD MEDICAL SCHOOL, BACTERIAL PHYSIOLOGY UNIT, BOSTON, MASS. Ribosome function—Antibiotic action.
- RO1GM-16856-05 (BIO) JOHNSON, SHARON L, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Nucleophilic reactions of DPN and its analogs.
- RO1GM-16865-05 (CBY) REBHUN, LIONEL I, UNIVERSITY OF VIRGINIA, DEPARTMENT OF BIOLOGY, CHARLOTTESVILLE, VA. Regulation of spindle formation in developing eggs (invertebrates, mammals).
- RO1GM-16395-06 (COM) ROBBINS, HERBERT E, COLUMBIA UNIVERSITY, 618 MATHEMATICS BLDG, NEW YORK, N. Y. Sequential testing, ranking, and selection procedures.
- RO1GM-16916-04 (BIO) SPIVEY, HOWARD O, OKLAHOMA STATE UNIVERSITY, STILLWATER, OKLA. Properties of concentrated enzyme solutions (rats, chicken).
- RO1GM-16917-06 (BBCA) OGILVIE, JAMES W, UNIVERSITY OF VIRGINIA, DEPT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Regulatory mechanisms of homoserine dehydrogenase (E coli).
- RO1GM-16922-06 (BBCB) MILLER, WILMAER G, UNIVERSITY OF MINNESOTA, DEPT OF CHEMISTRY, MINNEAPOLIS, MINN. Cholestatic biopolymer liquid crystals.
- RO1GM-16925-06 (BBCB) EISENBERG, DAVID, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, LOS ANGELES, CALIF. Structure and action of multisubunit enzymes (rabbits, E coli).
- RO1GM-16927-06 (BBCB) ELSON, ELLIOT L, CORNELL UNIVERSITY, DEPT OF CHEMISTRY, ITHACA, N. Y. Conformational studies of DNA block copolymers.
- PO1GM-16934-06 (PTR) MAREN, THOMAS H, UNIVERSITY OF FLORIDA, DEPT OF PHARMACOLOGY, GAINESVILLE, FLA. Sulfonamides and carbonic anhydrase—Basis for therapy.
- PO1GM-16934-06 0004 (PTR) MUTHIER, THOMAS. Sulfonamides and carbonic anhydrase—Basis for therapy—Liver carbonic anhydrase (rats).
- PO1GM-16934-06 0007 (PTR) DVORCHIK, B. H. Sulfonamides and carbonic anhydrase—Basis for therapy—New substrates for carbonic anhydrase—New approaches to analysis.
- PO1GM-16934-06 0008 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Acetazolamide in familial periodic paralysis (dogs, cats, human).
- PO1GM-16934-06 0009 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Sulfones and sulfonamides—Folate synthetase enzymes.
- PO1GM-16934-06 0010 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Benzolamide induction of metabolic acidosis for cardiac disease (dogs).
- PO1GM-16934-06 0011 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Carbonic anhydrase—Reabsorption or direct acidification of urine (rats).
- PO1GM-16934-06 0012 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Physiological substrates other than carbon dioxide.
- PO1GM-16934-06 0013 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Respiratory effects and carbonic anhydrase inhibition (human).
- PO1GM-16934-06 0014 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Salicylate intoxication—Treatment by benzolamide (mice).
- PO1GM-16934-06 0015 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Measurement of bicarbonate exchange across rod cell membranes.
- PO1GM-16934-06 0016 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Rate of transport of NaCl and HCO₃ from plasma to cerebrospinal fluid (cats).
- PO1GM-16934-06 0017 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Synergism of acetazolamide and theophylline on excretion of electrolytes (human).
- PO1GM-16934-06 0018 (PTR) MAREN, THOMAS H. Sulfonamides and carbonic anhydrase—Basis for therapy—Teratogenesis induced by carbonic anhydrase inhibitors (rats).
- RO1GM-16944-05 (MCHA) HILL, RICHARD K, UNIVERSITY OF GEORGIA, DEPARTMENT OF CHEMISTRY, ATHENS, GA. Stereochemical studies of biosynthetic reactions.
- RO1GM-16952-05 (ET) LUDLUM, DAVID B, DEPT OF CELL BIOLOGY & PHARM, UNIVERSITY OF MARYLAND, BALTIMORE, MD. Alkylation of synthetic polynucleotides (bacteria).
- RO1GM-16962-04 (MCHB) BERSON, JEROME A, YALE UNIVERSITY, 225 PROSPECT ST, NEW HAVEN, CONN. Geometry of transition states.
- RO1GM-16966-05 (BBCB) MARSH, RICHARD E, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Crystal structure of compounds related to DNA.
- RO1GM-16973-05 (SGYA) JILENKO, CARL 3D, MEDICAL COLLEGE OF GEORGIA, DEPARTMENT OF SURGERY, AUGUSTA, GA. Biochemical effects of burning on skin (rabbits, mice, human).
- RO1GM-16974-05 (BIO) ALLISON, WILLIAM S, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Sulfenic acids as enzyme functional group (pseudomonas).
- RO1GM-16995-05 (PC) SCHULMAN, LA DONNE H, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Protein-nucleic acid interactions.
- RO1GM-17019-05 (CBY) SATO, GORDON H, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Differentiated cell cultures (rats).
- RO1GM-17020-06 (VR) CHAMPE, SEWELL P, RUTGERS UNIVERSITY, INSTITUTE OF MICROBIOLOGY, NEW BRUNSWICK, N. J. Genetic control of bacteriophage development.
- RO1GM-17021-05 (ET) SCHENKMAN, JOHN B, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Induction and mode of action of hepatic drug oxidase (rats).
- RO1GM-17061-04 (MCHA) KATZENELLENBOGEN, JOHN A, UNIVERSITY OF ILLINOIS, SCHOOL OF CHEMICAL SCIENCES, URBANA, ILL. Stereospecific isoprenoid synthesis.
- RO1GM-17078-05 (GEN) ECHOLS, G HARRISON, JR, UNIVERSITY OF CALIFORNIA, DEPT OF MOLECULAR BIOLOGY, BERKELEY, CALIF. Genetic and chemical studies of phage lambda development.
- RO1GM-17088-05 (GEN) DRESSLER, DAVID H, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Molecular mechanisms in DNA replication.
- RO1GM-17096-05 (GEN) MERRIAM, JOHN R, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOLOGY, LOS ANGELES, CALIF. Genetic change in developing cells of *Drosophila*.
- RO1GM-17101-03 (MBC) BODLEY, JAMES W, UNIVERSITY OF MINNESOTA, 227 MILLARD HALL, MINNEAPOLIS, MINN. The mechanism of translocation (bacteria).
- RO1GM-17113-04 (RAD) WEBBER, MILO M, UNIVERSITY OF CALIFORNIA, NUCLEAR MEDICINE DIV, LOS ANGELES, CALIF. Radiocintigraphy demonstration of thrombophlebitis (human, dog, monkey).
- RO1GM-17116-05 (RAD) TIEN, CHI, SYRACUSE UNIVERSITY, DEPT OF CHEMICAL ENGR, SYRACUSE, N. Y. Mono-dispersed microspheres for medical use (rats, rabbits, dogs, human).
- RO1GM-17129-04 (MBC) NOLLER, HARRY F, JR, UNIVERSITY OF CALIFORNIA, THIMANN LABORATORIES, SANTA CRUZ, CALIF. Ribosome structure and function (E coli).
- RO1GM-17132-05 (GEN) LUCK, DAVID J, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVE, NEW YORK, N. Y. Biochemical genetics of microtubules (algae).
- RO1GM-17151-05 (PC) RAJBHANDARY, UTTAM L, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Structure and function of sRNA (yeast, E coli, wheat).
- RO1GM-17152-05 (PC) FREUNDLICH, MARTIN, S U N Y AT - STONY BROOK, DEPT OF BIOCHEMISTRY, STONY BROOK, N. Y. Multivalent repression—Mechanism and role of tRNA (bacteria).
- RO1GM-17158-03 (PHRA) VAN DYKE, RUSSELL A, MAYO CLINIC, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Metabolism of volatile anesthetics (human, rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1GM-17170-04 (BBCB) ORME-JOHNSON, W. H., 3D, UNIVERSITY OF WISCONSIN, 420 HENRY MALL, MADISON, WIS. EPR and x-ray studies of electron-transfer enzymes (rats, guinea pigs).

RO1GM-17172-05 (BBCB) HOLLIS, DONALD P., JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. NMR study of enzyme-substrate interactions (microorganisms, mammals).

PO1GM-17173-05 (GEN) MORTON, NEWTON E., UNIVERSITY OF HAWAII, 2411 DOLE STREET, HONOLULU, HAWAII. A research program in population genetics (human).

PO1GM-17184-05 (PTR) LA DU, BERT N., JR., NEW YORK UNIV MEDICAL SCHOOL, 550 FIRST AVENUE, NEW YORK, N. Y. Hereditary variations in man which modify drug toxicity.

PO1GM-17184-05 0001 (PTR) LA DU, BERT N. JR. Hereditary variations in man which modify drug toxicity—Human plasma cholinesterase variants and succinylcholine sensitivity.

PO1GM-17184-05 0002 (PTR) WEBER, WENDELL W. Hereditary variations in man which modify drug toxicity—Human variation in isoniazid acetylation (rabbits, human).

PO1GM-17184-05 0008 (PTR) APPEL, P. Hereditary variations in man which modify drug toxicity—Genetic differences in plasma protein binding of drugs.

PO1GM-17184-05 0009 (PTR) SERVIS, ROBERT. Hereditary variations in man which modify drug toxicity—Developmental pharmacology.

PO1GM-17184-05 0011 (PTR) ZANNONI, VINCENT. Hereditary variations in man which modify drug toxicity—Ascorbic acid and drug metabolism (guinea pigs).

PO1GM-17184-05 0013 (PTR) LA DU, BERT N. JR. Hereditary variations in man which modify drug toxicity—Interactions of phenothiazines with hemoglobin and hemoglobin variants.

PO1GM-17184-05 0016 (PTR) LA DU, BERT N. JR. Hereditary variations in man which modify drug toxicity—Mutation rates and effects of drugs on human cell mutation.

RO1GM-17190-05 (BBCB) SYKES, BRIAN D., HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. Enzyme kinetics by nuclear magnetic resonance.

RO1GM-17215-05 (BBCA) WETMUR, JAMES G., UNIVERSITY OF ILLINOIS, DEPARTMENT OF CHEMISTRY, URBANA, ILL. Renaturation and hybridization of nucleic acids (microorganisms).

RO1GM-17239-05 (MAY) TOMKINS, GORDON M., UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Control of gene expression in mammalian cells (rats).

RO1GM-17267-03 (MCHB) WILSON, R. MARSHALL, UNIVERSITY OF CINCINNATI, DEPARTMENT OF CHEMISTRY, CINCINNATI, OHIO. Intramolecular cyclization of N-alkylpyridinium salts.

RO1GM-17284-05 (COM) PETERS, RICHARD M., UNIVERSITY OF CALIFORNIA, 225 W DICKINSON, SAN DIEGO, CALIF. Computer monitoring of surgical patients.

RO1GM-17317-05 (GEN) FOGEL, SEYMOUR, UNIV OF CALIFORNIA, DEPT OF GEN 345 MULFORD HALL, BERKELEY, CALIF. Gene enzyme relations and recombination in yeast.

RO1GM-17329-05 (GEN) BARBOUR, STEPHEN D., 2109 ADELBERT ROAD, CLEVELAND, OHIO. Genetic and biochemical studies of recombination (E coli).

PO1GM-17366-04 (SSS) EGDahl, RICHARD H., UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Biochemical and physiologic response to trauma.

PO1GM-17366-04 0001 (SSS) EGDahl, RICHARD H. Biochemical and physiologic response to trauma—Endocrine aspects of shock and trauma (human, monkeys).

PO1GM-17366-04 0002 (SSS) RUTTENBERG, A. M. Biochemical and physiologic response to trauma—Cellular biochemical response to shock and trauma (human, mammals).

PO1GM-17366-04 0004 (SSS) HECHTMAN, HERBERT B. Biochemical and physiologic response to trauma—Pulmonary aspects of shock and trauma (human).

RO1GM-17367-05 (SSS) HERZENBERG, LEONARD A., STANFORD UNIVERSITY, DEPARTMENT OF GENETICS, STANFORD, CALIF. Automated coil sorting—Clinical and biological uses (human, mammals nonhuman).

RO1GM-17369-05 (COM) WILLIAMS, GEORGE Z., INST OF MEDICAL SCIENCES, CLAY AND WEBSTER STREETS, SAN FRANCISCO, CALIF. Normal profile study (human).

RO1GM-17371-04 (BBCA) ARNOTT, STRUTHER, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, WEST LAFAYETTE, IND. Molecular geometrics of nucleic acids.

RO1GM-17378-05 (BBCA) SUNDARALINGAM, MUTTAIYA, UNIVERSITY OF WISCONSIN, DEPT OF BIOCHEMISTRY, MADISON, WIS. X-ray studies of the constituents of nucleic acids.

RO1GM-17383-04 (MAY) ALLFREY, VINCENT G., ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N. Y. Chemistry and metabolism of DNA-associated proteins (birds).

RO1GM-17421-05 (PC) VOLD, BARBARA S., SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Role of tRNA in cell regulatory mechanisms (bacteria, mammals).

RO1GM-17423-04 (SOYB) NAGLER, ARNOLD L., ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Studies on shock (rats, bacteria, mice).

RO1GM-17436-04 (BBCA) HILL, WALTER E., UNIVERSITY OF MONTANA, CHEMISTRY DEPARTMENT, MISSOULA, MONT. Physical studies of altered ribosomal subunits (E coli).

RO1GM-17452-04 (BBCB) HUANG, CHING-HSIEN, UNIVERSITY OF VIRGINIA, DEPARTMENT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Phospholipid vesicles as model for biological membranes.

RO1GM-17506-03 (PC) FISHER, JAMES R., FLORIDA STATE UNIVERSITY, 103 INST OF BIOPHYSICS, TALLAHASSEE, FLA. Enzyme studies—Mechanism of action and evolution (scallops, chickens).

RO1GM-17528-18 (BBCB) BRESLOW, ESTHER M., CORNELL UNIV MED COLLEGE, 1300 YORK AVENUE, NEW YORK, N. Y. Interaction of proteins with metal and hydrogen ions (cattle).

RO1GM-17533-13 (BBCA) PASMAN, GERALD D., BRANDEIS UNIVERSITY, GRADUATE DEPT OF BIOCHEMISTRY, WALTHAM, MASS. Protein and nucleic acid model studies (Ecoli).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1GM-17536-05 (PHRA) FEINSTEIN, MAURICE B., UNIV OF CONNECTICUT HEALTH CTR, DEPT OF PHARMACOLOGY, FARMINGTON, CONN. Mechanism of action of anesthetics (reorder, amphibians, crustaceans).

RO1GM-17538-04 (MBC) BAUERLE, RONALD M., UNIVERSITY OF VIRGINIA, DEPT OF BIOLOGY, CHARLOTTESVILLE, VA. Mechanism of gene expression and its regulation (S typhimurium).

RO1GM-17551-13 (GEN) HUNGERFORD, DAVID A., INSTITUTE FOR CANCER RESEARCH, 7701 BURKHOLME AVENUE, FOX CHASE, PHILA, PA. Chromosome structure and function in man.

RO1GM-17575-03 (BBCB) GORENSTEIN, DAVID G., UNIVERSITY OF ILLINOIS, P O BOX 4348, CHICAGO, ILL. Pentacovalent phosphorus intermediates in RNase A.

RO1GM-17576-04 (MCHB) RECHNITZ, GARRY A., DEPT OF CHEMISTRY ACHESON HALL, STATE UNIV OF NEW YORK, BUFFALO, N. Y. Ion-selective sensors for clinical analysis (human).

RO1GM-17607-04 (MBC) JURTSCHUK, PETER, JR., UNIVERSITY OF HOUSTON, COLLEGE OF ARTS & SCI, HOUSTON, TEX. Particulate microbial oxidoreductases.

RO1GM-17612-05 (MBC) ZIPSER, DAVID, COLD SPRING HARBOR LABORATORY, P O BOX 100, COLD SPRING HARBOR, N. Y. Polypeptide products of lac operon mutations (E coli).

RO1GM-17632-04 (COM) SRLANSKY, JACK, UNIVERSITY OF CALIFORNIA, SCHOOL OF ENGINEERING, IRVINE, CALIF. Computer-aided image recognition.

RO1GM-17652-01 (MCHB) HOUK, KENNEDALL N., DEPT OF CHEMISTRY, LOUISIANA STATE UNIV, BATON ROUGE, LA. Application of new cycloadditions to drug synthesis.

PO1GM-17702-05 (GMP) SEBGMILLER, JARYS E., UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF MEDICINE, LA JOLLA, CALIF. Human biochemical genetics.

PO1GM-17702-05 0001 (GMP) NYHAN, WILLIAM L. Human biochemical genetics—Genetic defects on purine and amino acid metabolism (human).

PO1GM-17702-05 0002 (GMP) SEBGMILLER, JARYS E. Human biochemical genetics—Biochemical basis of genetic diseases.

PO1GM-17702-05 0003 (GMP) O'BRIEN, JOHN S. Human biochemical genetics—Enzyme defects in ganglioside metabolism (human).

PO1GM-17702-05 0004 (GMP) DOOLITTLE, RUSSELL F. Human biochemical genetics—Variant fibrinogen molecules.

PO1GM-17702-05 0005 (GMP) JONES, OLIVER W. Human biochemical genetics—Prenatal diagnostic facility.

PO1GM-17702-05 0006 (GMP) SATO, GORDON M. Human biochemical genetics—Inherited diseases in cultures of differentiated cells (hamsters, rats, human).

PO1GM-17702-05 0007 (GMP) STERN, HERBERT. Human biochemical genetics—Biochemistry of chromosomes in relation to meiosis and repair.

PO1GM-17702-05 0008 (GMP) PRICE, PAUL A. Human biochemical genetics—Biochemistry of mammalian intracellular nucleases (human).

PO1GM-17702-05 0009 (GMP) SCHNEIDER, JERRY A. Human biochemical genetics—Metabolic defect in cystinosis.

PO1GM-17702-05 0010 (GMP) FRIEDMANN, THEODORE. Human biochemical genetics—Transformation and transduction of mammalian cells in vitro.

PO1GM-17702-05 0011 (GMP) ITANO, HARVEY A. Human biochemical genetics—Genetic regulation of hemoglobin structure and synthesis (human, rabbits).

PO1GM-17702-05 0012 (GMP) NYHAN, WILLIAM L. Human biochemical genetics—Hospital bed unit.

PO1GM-17702-05 0013 (GMP) SCHNEIDER, JERRY A. Human biochemical genetics—Central tissue culture laboratory.

PO1GM-17702-05 0014 (GMP) KAPLAN, NATHAN O. Human biochemical genetics—Large scale biological purification laboratory.

RO1GM-17709-04 (GEN) HARTWELL, LRLAND H., UNIVERSITY OF WASHINGTON, DEPT OF GENETICS, SEATTLE, WASH. Gene control of eucaryote cell growth and division (yeast).

RO1GM-17712-04 (GEN) GELBRITER, THOMAS D., YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Hormonal control of gene expression in animal cells (human, rats).

RO1GM-17715-04 (GEN) KANEY, ANTHONY R., BRYN MAWR COLLEGE, DEPARTMENT OF BIOLOGY, BRYN MAWR, PA. Genetic analysis of cyanophytes (bacteria, plants).

RO1GM-17724-04 (MAY) WIDNELL, CHRISTOPHER C., UNIV OF PITTSBURGH SCH OF MED, DEPT OF ANATOMY & CELL BIOLOGY, PITTSBURGH, PA. Plasma membrane structure, function and biogenesis (rats).

RO1GM-17729-04 (SSS) LODWICK, GWYLYM S., DEPT OF RADIOLOGY SCH OF MED, UNIVERSITY OF MISSOURI, COLUMBIA, MO. Diagnostic content and redundancy in radiant images.

PO1GM-17729-04 0001 (SSS) DWYER, SAMUEL J. Diagnostic content and redundancy in radiant images—Digitization, display, and storage of radiant images.

PO1GM-17729-04 0002 (SSS) HARLOW, CHARLES. Diagnostic content and redundancy in radiant images—Extraction of radiant image intelligence.

PO1GM-17729-04 0003 (SSS) LODWICK, GWYLYM S. Diagnostic content and redundancy in radiant images—Model for automated computer diagnostic systems for radiant images.

PO1GM-17729-04 0004 (SSS) BRAATEN, MELVIN O. Diagnostic content and redundancy in radiant images—Test library of radiographic images.

RO1GM-17743-04 (CBY) COX, PRENTISS G., MISSISSIPPI COLLEGE, POST OFFICE BOX 4045, CLINTON, MISS. Myogenic lizard cells (lizards).

RO1GM-17773-04 (MAY) RONZIO, ROBERT A., MICHIGAN STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, EAST LANSING, MICH. Membrane formation in cytodifferentiation (rat pancreas).

PO1GM-17806-05 (PTR) PROCTOR, CHARLES D., MCHARRY MEDICAL COLLEGE, 1005 18TH AVENUE, NORTH, NASHVILLE, TENN. Nutritional factor effects on drug action.

PO1GM-17806-05 0004 (PTR) PROCTOR, CHARLES D.. Nutritional factor effects on drug action—Amphetamine-like agent and barbiturate action in starved mice.

PO1GM-17806-05 0005 (PTR) PROCTOR, CHARLES D.. Nutritional factor effects on drug action—Alteration of phenothiazine PD-50 (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1GM-17806-05 0006 (PTR) PROCTOR, CHARLES D.. Nutritional factor effects on drug action—Altered norepinephrine metabolism (mice).

PO1GM-17806-05 0007 (PTR) PROCTOR, CHARLES D.. Nutritional factor effects on drug action—Amphetamines and cerebral cortex poly-ribosomes (mice).

PO1GM-17806-05 0014 (PTR) SHOCKLEY, D C. Nutritional factor effects on drug action—Protein malnutrition and hepatic drug metabolizing enzymes (rats).

PO1GM-17806-05 0015 (PTR) HARDIN, CAROLYN M. Nutritional factor effects on drug action—Spontaneous seizures in rats.

PO1GM-17806-05 0016 (PTR) HARDIN, CAROLYN, M. Nutritional factor effects on drug action—Possible endocrine abnormalities in seizure-prone animals.

PO1GM-17806-05 0017 (PTR) HARDIN, CAROLYN M. Nutritional factor effects on drug action—Serotonin levels in developing brain.

PO1GM-17806-05 0018 (PTR) SHOCKLEY, D C. Nutritional factor effects on drug action—Species and anionic drugs influence on sulfonamide-albumin interactions.

PO1GM-17806-05 0019 (PTR) PROCTOR, CHARLES D. Nutritional factor effects on drug action—Amphetamine-like reactions possibly related to schizophrenic reaction.

PO1GM-17806-05 0020 (PTR) HARDIN, CAROLYN M. Nutritional factor effects on drug action—Tyrosine-hydroxylase activity in neonatal rat brain.

PO1GM-17806-05 0021 (PTR) HARDIN, CAROLYN M. Nutritional factor effects on drug action—Tryptophan hydroxylase activity in neonatal rat brain.

RO1GM-17830-03 (PC) ANDERSON, JOHN A, TEXAS TECH UNIVERSITY, LUBBOCK, TEX. Clavine alkaloid biosynthesis (fungi).

RO1GM-17849-03 (BIO) SHAW, ELLIOTT M, BROOKHAVEN NATIONAL LABORATORY, BIOLOGY DEPARTMENT, UPTON, N. Y. Specific synthetic inhibitors of proteases (virus, cattle, human).

RO1GM-17850-05 (BBCA) WOODY, ROBERT W, ARIZONA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, TEMPE, ARIZ. Optical properties of biological macromolecules.

RO1GM-17855-05 (BBCB) BLOOMFIELD, VICTOR A, UNIVERSITY OF MINNESOTA, 140 GORTNER LABORATORY, ST PAUL, MINN. Inelastic light scattering of viruses and cells (E coli, bacteriophage).

RO1GM-17856-03 (MBY) BONNER, JOHN T, PRINCETON UNIVERSITY, DEPARTMENT OF BIOLOGY, PRINCETON, N. J. Role of cyclic AMP in development (protozoa, fungi).

RO1GM-17866-21 (GEN) STENT, GUNTHER S, UNIVERSITY OF CALIFORNIA, VIRUS LABORATORY, BERKELEY, CALIF. Genetic control of macromolecular syntheses (leeches).

RO1GM-17880-04 (MCHB) COLLMAN, JAMES P, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF. Mixed function oxygenase models.

RO1GM-17892-04 (MBC) NEIDHARDT, FREDERICK C, UNIVERSITY OF MICHIGAN, MEDICAL SCIENCE BLDG II, ANN ARBOR, MICH. Regulation of bacterial metabolism.

RO1GM-17904-03 (COM) HIEFTJE, GARY M, DEPARTMENT OF CHEMISTRY, INDIANA UNIVERSITY, BLOOMINGTON, IND. Cybernation procedures in instrumental analysis.

RO1GM-17913-04 (MCHB) CARR, PETER W, DEPT OF CHEMISTRY, UNIV OF GEORGIA, ATHENS, GA. New methodologies in bioanalytical chemistry.

RO1GM-17924-04 (PC) TRAUT, ROBERT R, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, DAVIS, CALIF. Ribosome structure and function (E coli).

RO1GM-17929-03 (MCHB) MONTALVO, JOSEPH G, JR, GULF SOUTH RESEARCH INSTITUTE, POST OFFICE BOX 26500, NEW ORLEANS, LA. Diagnostic profiling with phosphate electrodes.

PO1GM-17940-04 (GMP) MEINDL, JAMES D, STANFORD UNIVERSITY, STANFORD ELECTRONICS LABS, STANFORD, CALIF. Integrated electronics for medical applications.

PO1GM-17940-04 0001 (GMP) LINVILL, JOHN G. Integrated electronics for medical applications—Large scale integration.

PO1GM-17940-04 0002 (GMP) ANSELL, JAMES B. Integrated electronics for medical applications—Integrated circuit transducers (cats).

PO1GM-17940-04 0003 (GMP) MEINDL, JAMES D. Integrated electronics for medical applications—Telemetry (dogs).

PO1GM-17940-04 0004 (GMP) MEINDL, JAMES D. Integrated electronics for medical applications—Advanced technology.

RO1GM-17943-03 (GEN) DE BUSK, A GIB, FLORIDA STATE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCE, TALLAHASSEE, FLA. Membrane transport and cellular compartmentation (fungi).

RO1GM-17945-03 (PC) ETZLER, MARYLYNN E, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM AND BIOPHY, DAVIS, CALIF. Differentiation of alkaline phosphatase isozymes (mice).

RO1GM-17956-03 (BIO) ROBINSON, GEORGE W, UNIVERSITY OF KENTUCKY, A B CHANDLER MEDICAL CENTER, LEXINGTON, KY. Cyclic nucleotide phosphodiesterase (swine, cattle).

RO1GM-17959-03 (SGYA) MERYMAN, HAROLD T, AMERICAN NATIONAL RED CROSS, 9312 OLD GEORGETOWN ROAD, BETHESDA, MD. Preservation of organs by freezing (human, rodents, rabbits, frogs).

RO1GM-17960-04 (SGYB) COSTELLO, LESLIE C, DEPT OF PHYS & BIOPHYSICS, COLL OF MED HOWARD UNIV, WASHINGTON, D C. Surgical stress and trauma on citrate metabolism (human, dogs, rats).

PO1GM-17961-04 (SGYB) HARDY, JAMES D, UNIV OF MISSISSIPPI MED CTR, 2500 NORTH STATE STREET, JACKSON, MISS. Body compositional changes in severe trauma.

PO1GM-17961-04 0004 (SGYB) MILLER, RICHARD C. Body compositional changes in severe trauma—Nutritional infusion studies (human, dogs).

PO1GM-17961-04 0007 (SGYB) HARDY, JAMES D. Body compositional changes in severe trauma—Stress ulceration (human).

PO1GM-17961-04 0008 (SGYB) Grogan, JAMES B. Body compositional changes in severe trauma—Control of infections (human, rabbits).

PO1GM-17961-04 0011 (SGYB) HARDY, JAMES D. Body compositional changes in severe trauma—Human calorimetry (human).

PO1GM-17961-04 0012 (SGYB) HARDY, JAMES E. Body compositional changes in severe trauma—Endocrinology of severe burn trauma (human).

PO1GM-17961-04 0013 (SGYB) HERBST, JAMES A. Body compositional changes in severe trauma—Body fluid distribution (human, dogs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1GM-17973-04 (BIO) BRAWERMAN, GEORGE, TUFTS UNIVERSITY SCH OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Role of nucleic acids in cell differentiation (mice, rats, rabbits, E coli).

RO1GM-17980-04 (VR) KING, JONATHAN A, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, RM541, CAMBRIDGE, MASS. Bacteriophage assembly and its genetic control.

RO1GM-17991-03 (CBY) ALLEN, RICHARD D, UNIVERSITY OF HAWAII, 2538 THE MALL, HONOLULU, HAWAII. Microtubular systems (protozoa).

RO1GM-17995-03 (CBY) KEDES, LAURENCE H, VETERANS ADMINISTRATION HOSP, 3801 MIRANDA AVENUE, PALO ALTO, CALIF. Embryonic chromosomal proteins and their RNA templates (sea urchins).

RO1GM-18002-08 (PC) WINNER, ALFRED D, UNIVERSITY OF KENTUCKY MED CTR, DEPARTMENT OF BIOCHEMISTRY, LEXINGTON, KY. Intermediates in NAD-dependent dehydrogenases (rats, horses).

RO1GM-18006-03 (MBY) SCHNAITMAN, CARL A, UNIVERSITY OF VIRGINIA, DEPARTMENT OF MICROBIOLOGY, CHARLOTTESVILLE, VA. Membranes of bacteria and tumor cells (E coli).

RO1GM-18012-04 (GEN) YEH, YUN-CHI, UNIVERSITY OF ARKANSAS, 4301 W MARKHAM STREET, LITTLE ROCK, ARK. Biochemical and genetic studies of DNA synthesis (viruses and bacteria).

RO1GM-18014-04 (GEN) WOLFE, JASON S, WESLEYAN UNIVERSITY, SCIENCE CENTER, MIDDLETOWN, CONN. Regulation of gene expression in synchronized cells (protozoa).

RO1GM-18028-01 (MCHA) JOULLIE, MADELEINE M, CHEMISTRY DEPT, UNIV OF PENNSYLVANIA, PHILADELPHIA, PA. Synthesis of potential diuretic and hypoglycemic agents.

RO1GM-10035-03 (BBCA) ROGERS, DONALD W, LONG ISLAND UNIVERSITY, 385 FLATBUSH AVENUE EXTENSION, BROOKLYN, N. Y. Heats of hydrogenation of large molecules.

RO1GM-18038-04 (BBCB) SCHMIDT, PAUL G, UNIVERSITY OF ILLINOIS, DEPT OF CHEMISTRY, URBANA, ILL. NMR studies of aspartate transcarbamylase and tRNA (E coli).

RO1GM-18051-04 (BBCB) FRAUENFELDER, HANS, UNIVERSITY OF ILLINOIS, DEPT OF PHYSICS, URBANA, ILL. Heme protein reactions.

RO1GM-18079-03 (GEN) SIEDEROFF, RONALD R, COLUMBIA UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, NEW YORK, N. Y. RNA synthesis during differentiation (Drosophila).

RO1GM-18080-04 (GEN) HILLMAN, RALPH, TEMPLE UNIVERSITY, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Genetic translation as a cellular control mechanism (Drosophila).

RO1GM-18092-03 (BBCA) HOOKER, THOMAS M, JR, UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, SANTA BARBARA, CALIF. Conformations of biologically important molecules.

RO1GM-18098-04 (BBCB) JARDETZKY, OLEG, STANFORD UNIVERSITY, DEPT OF PHARMACOLOGY, STANFORD, CALIF. NMR study of the lac-repressor protein (E coli).

RO1GM-18100-03 (CBY) TILNEY, LEWIS G, LEIDY LABORATORY, 38TH AND HAMILTON WALK, PHILADELPHIA, PA. Factors which control the assembly of microtubules (protozoa, chickens, sea urchi).

RO1GM-18103-02 (MBY) SWANSON, RONALD P, UNIVERSITY OF VIRGINIA, DEPT OF BIOLOGY, GILMER HALL, CHARLOTTESVILLE, VA. Mitochondrial biogenesis during oogenesis (Xenopus laevis).

RO1GM-18143-04 (MCHB) ANDERSEN, NIELS H, UNIVERSITY OF WASHINGTON, DEPT OF CHEMISTRY, BG-10, SEATTLE, WASH. Sesquiterpene biogenesis (plants).

RO1GM-18144-03 (MCHB) COUCOUYANIS, DIMITRI N, UNIVERSITY OF IOWA, DEPARTMENT OF CHEMISTRY, IOWA CITY, IOWA. Bonding and reactions of model complexes.

RO1GM-18152-04 (BBCB) BARNETT, RONALD E, UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. Mechanism of alkali cation transport.

PO1GM-18153-04 (GEN) KROOTH, ROBERT S, COLUMBIA UNIVERSITY, 630 W 168TH STREET, NEW YORK, N. Y. Gene control of mammalian cell differentiation.

PO1GM-18153-04 0001 (GEN) MARKS, PAUL A. Gene control of mammalian cell differentiation—Gene transcription during erythroid cell differentiation (mice, human).

PO1GM-18153-04 0005 (GEN) MILLER, ORLANDO J. Gene control of mammalian cell differentiation—Cytogenic studies and gene function (human, mice, rats, monkeys).

PO1GM-18153-04 0008 (GEN) KROOTH, ROBERT S. Gene control of mammalian cell differentiation—Synthesis of barbiturate ribotides by brain extracts (rats).

PO1GM-18153-04 0009 (GEN) KROOTH, ROBERT S. Gene control of mammalian cell differentiation—Somatic cell hybridization (mice, human).

PO1GM-18153-04 0012 (GEN) ATWOOD, KIMBALL C. Gene control of mammalian cell differentiation—rRNA genes (Drosophila, human, mice, nonhuman primates).

PO1GM-18153-04 0013 (GEN) MILLER, ORLANDO J. Gene control of mammalian cell differentiation—Chromosomes of formation of soluble blood group substances (human, horses).

PO1GM-18153-04 0014 (GEN) KROOTH, ROBERT S. Gene control of mammalian cell differentiation—Back-crossing of somatic cell hybrids (human, rats).

PO1GM-18153-04 0015 (GEN) KROOTH, ROBERT S. Gene control of mammalian cell differentiation—Regulation of enzymes of the Leloir pathway in human diploid cells.

PO1GM-18153-04 0016 (GEN) KROOTH, ROBERT S. Gene control of mammalian cell differentiation—Genetic mapping (human, mice).

PO1GM-18153-04 0017 (GEN) KROOTH, ROBERT S. Gene control of mammalian cell differentiation—Antenatal diagnosis of sickle cell anemia (human).

PO1GM-18153-04 0019 (GEN) KROOTH, ROBERT S. Gene control of mammalian cell differentiation—Regulation of pyrimidine synthesis in human cells.

RO1GM-18172-04 (BIO) FRUTON, JOSEPH S, YALE UNIVERSITY, 350 KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Protein conformation and enzyme catalysis (bacteria, swine, cattle).

RO1GM-18182-03 (VR) BODE, VERNON C, BIOLOGY DIVISION, ACKERT HALL, KANSAS STATE UNIV, MANHATTAN, KAN. Biochemical studies on the regulation of DNA function.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1GM-18185-07 (BIO) NAKADA, DAISUKE, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Ribosome formation and ribosomal function (bacteriophage, E coli).

RO1GM-18184-12 (BIO) EISENSTADT, JEROME M, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Control mechanisms of protein synthesis (mammals).

RO1GM-18191-10 (MCHB) HUYSER, EARL S, UNIVERSITY OF KANSAS, DEPARTMENT OF CHEMISTRY, LAWRENCE, KANS. Free-radical biochemical oxidations.

RO1GM-18204-04 (MBY) COWLEY, JOHN M, ARIZONA STATE UNIVERSITY, DEPT OF PHYSICS, TEMPE, ARIZ. High voltage Alfresco scanning electron microscopy.

RO1GM-18233-04 (MBC) FOX, CHARLES P, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BACTERIOLOGY, LOS ANGELES, CALIF. Membrane structure, function and biogenesis (bacteria, bacteriophage).

RO1GM-18243-04 (BBCA) PITTJOHN, DAVID E, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Organization of DNA conformation in chromosomes (E coli, *Moussa*, hamsters).

RO1GM-18248-03 (RAD) MC APEE, JOHN G, STATE UNIVERSITY HOSPITAL, 750 E ADAMS STREET, SYRACUSE, N Y. Radioisotopic screening methods for renal disease (dogs).

PO1GM-18252-04 (SSS) WEST, SEYMOUR S, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Automation of ultramicroanalyses of macromolecules.

PO1GM-18252-04 0001 (SSS) WEST, SEYMOUR S. Automation of ultramicroanalyses of macromolecules—Biophysical cytochemistry (human, mice).

PO1GM-18252-04 0002 (SSS) MENTER, JULIAN M. Automation of ultramicroanalyses of macromolecules—Biophysical chemistry.

PO1GM-18252-04 0003 (SSS) LORINCZ, ANDREW E. Automation of ultramicroanalyses of macromolecules—Medical-clinical (human, mice).

PO1GM-18252-04 0004 (SSS) LEMONS, J E. Automation of ultramicroanalyses of macromolecules—Microspectrofluorometry.

PO1GM-18252-04 0007 (SSS) HURST, R E. Automation of ultramicroanalyses of macromolecules—Biochemistry (human).

PO1GM-18252-04 0008 (SSS) FINLEY, WAYNE H. Automation of ultramicroanalyses of macromolecules—Medical and biochemical genetics (human).

PO1GM-18252-04 0009 (SSS) CORT, HUGH, JR. Automation of ultramicroanalyses of macromolecules—Information systems.

RO1GM-18254-04 (GEN) SOFER, WILLIAM M, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Genetic and chemical analysis of alcohol dehydrogenase (*Drosophila*).

RO1GM-18267-04 (CBY) BONNEVILLE, MARY A, UNIVERSITY OF COLORADO, DEPT OF MOLECULAR BIOLOGY, BOULDER, COLO. Biosynthesis of specialized cell surfaces (rabbits).

RO1GM-18268-04 (BBCB) STEITZ, THOMAS A, DEPT OF MOLECULAR BIO & BIOCHEM, YALE UNIV, NEW HAVEN, CONN. Structure basis of enzyme action, specificity and control (microorganisms).

RO1GM-18269-04 (CBY) SIMPSON, SIDNEY B, JR, NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, EVANSTON, ILL. Studies in regeneration (lizards).

RO1GM-18277-04 (MBC) SCHLEIF, ROBERT P, BRANDEIS UNIVERSITY, GRADUATE DEPT OF BIOCHEMISTRY, WALTHAM, MASS. Action mechanism of arabinose C protein (bacteria).

RO1GM-18278-04 (MCHB) KOLATTUKUDY, P E, WASHINGTON STATE UNIVERSITY, DEPT OF AGRIC CHEMISTRY, PULLMAN, WASH. Biochemistry of natural products (plants, microorganisms).

RO1GM-18279-04 (PHRA) RIDENBERG, MARCUS M, TEMPLE UNIVERSITY, 3420 NO BROAD STREET, PHILADELPHIA, PA. Drug transference and sensitivity in abnormal states (human).

RO1GM-18292-04 (BBCB) POWERS, JAMES C, GEORGIA INST OF TECHNOLOGY, DEPARTMENT OF CHEMISTRY, ATLANTA, GA. X-ray study of enzyme-small molecular interactions.

RO1GM-18293-04 (MBC) SYPPERD, PAUL S, UNIVERSITY OF CALIFORNIA, COLLEGE OF MEDICINE, IRVINE, CALIF. Genetics of bacterial ribosomes.

RO1GM-18298-03 (BBCA) EISENSTADT, MAURICE, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Dielectric and NMR studies of proteins (cell lines).

RO1GM-18311-03 (MBC) FURLONG, CLEMENT E, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, RIVERSIDE, CALIF. Investigations of membrane transport systems (E coli, rabbits).

RO1GM-18325-04 (PC) WOLFFENDIEN, RICHARD V, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF BIOCHEMISTRY, CHAPEL HILL, N C. Chemical mechanisms of biosynthesis (enzymes).

RO1GM-18326-04 (PC) MBLACHE, H PAUL, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA PA. Microenvironmental geometry of C-C lyase sites (*Pseudomonas*, E coli).

RO1GM-18348-03 (MCHB) PITTMAN, IAN H, UNIV OF KANSAS, SCHOOL OF PHARMACY, LAWRENCE, KANS. Mutagenic mechanisms.

RO1GM-18349-04 (MCHA) KOCH, TAD H, DEPT OF CHEMISTRY, UNIVERSITY OF COLORADO, BOULDER, COLO. Photochemical synthesis of bioactive molecules.

RO1GM-18350-04 (MB) COHEN, CARL, UNIV OF ILLINOIS COLL OF MED, 1853 W POLK ST, CHICAGO, ILL. Immunobiology of the laboratory rabbit.

RO1GM-18357-05 (MCHB) BALCH, ALAN L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, DAVIS, CALIF. Metal complexation of diazanes, oxigen, imidazole and flavins.

RO1GM-18360-03 (PHRA) TAYLOR, PALMER W, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICINE, LA JOLLA, CALIF. Kinetic studies on drug-protein complex formation.

RO1GM-18362-01 (BBCA) YANKWICH, PETER E, DEPT OF CHEMISTRY, UNIV OF ILLINOIS, URBANA, ILL. Modeling the transition state of enzymic reactions.

RO1GM-18375-04 (MBY) WOLSTENHOLME, DAVID R, UNIVERSITY OF UTAH, DEPARTMENT OF BIOLOGY, SALT LAKE CITY, UTAH. Structure of mitochondrial and kinetoplast DNA (plants, protozoa, amphibians).

RO1GM-18386-04 (VR) GEDUSCHEK, E PETER, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Nucleic acids and nucleoproteins (viruses, bacteria).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1GM-18391-08 (SSS) ZEITLER, BLAAR, 5640 ELLIS AVENUE, CHICAGO, ILL. Field emission-Phase contrast electron microscopy.

RO1GM-18395-03 (BBCB) PRINS, WILLIAM, SYRACUSE UNIVERSITY, DEPT OF CHEMISTRY, SYRACUSE, N Y. Structure and properties of swelling implants.

RO1GM-18405-04 (PC) GLASER, LUIS, DEPT OF BIOLOGICAL CHEMISTRY, WASHINGTON UNIV, ST LOUIS, MO. Regulation and mechanism of cell surface synthesis.

RO1GM-18405-04 0001 (PC) GLASER, LUIS. Regulation and mechanism of cell surface synthesis—Cell wall assembly and degradation during cell cycle (Gram positive bacteria).

RO1GM-18405-04 0002 (PC) GLASER, LUIS. Regulation and mechanism of cell surface synthesis—Mechanism of sugar transformation (E coli).

RO1GM-18405-04 0003 (PC) GLASER, LUIS. Regulation and mechanism of cell surface synthesis—Cell recognition in embryonic cells (chick embryo).

RO1GM-18407-08 (PC) PRESCOTT, DAVID J, BRYN MAWR COLLEGE, BRYN MAWR, PA. Beta-Keto-acyl carrier protein synthetase (E coli).

RO1GM-18421-08 (GEN) KOHN, HENRY I, SHIELDS WARREN RADIATION LAB, 50 BINNEY STREET, BOSTON, MASS. Mutagens, mutation rates, and mouse H test.

RO1GM-18451-03 (BIO) SELTZER, STANLEY, BROOKHAVEN NATIONAL LAB, DEPARTMENT OF CHEMISTRY, UPTON, N Y. Mechanism studies of enzymic cis-trans isomerization (bacteria).

RO1GM-18455-04 (BBCA) SUNDARALINGAM, MUTTAIYA, UNIVERSITY OF WISCONSIN, DEPT OF BIOCHEMISTRY, MADISON, WIS. X-ray diffraction studies on IRNAs (E coli, yeast).

RO1GM-18456-04 (BBCA) ROARK, DENNIS E, PENNSYLVANIA STATE UNIVERSITY, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA. Biophysical studies of nucleohistones (cattle).

RO1GM-18457-08 (BBCA) CRAMER, WILLIAM A, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Mechanism of action of colicine (E coli).

RO1GM-18466-04 (BBCA) WOODWARD, CLARE K, UNIVERSITY OF MINNESOTA, DEPT OF BIOCHEMISTRY, ST PAUL, MINN. Solvent accessibility in proteins (bacteria, mammals).

PO1GM-18470-03 (GMP) BLAISDELL, F WILLIAM, SAN FRANCISCO GENERAL HOSPITAL, 1001 POTRERO, SAN FRANCISCO, CALIF. Trauma center.

PO1GM-18470-03 0003 (GMP) MICHAELI, DOV. Trauma center—Anticollagen antibodies, platelets and wound healing (human, rabbits).

PO1GM-18470-03 0005 (GMP) HUNT, THOMAS. Trauma center—Wound healing in trauma patients.

PO1GM-18470-03 0009 (GMP) BLAISDELL, F. WILLIAM. Trauma center—Intravascular coagulation and morbidity following trauma (dogs, human).

PO1GM-18470-03 0011 (GMP) MCKAY, DONALD G. Trauma center—Gastrointestinal mucosa ulceration following shock (rabbits).

PO1GM-18470-03 0012 (GMP) HOFF, JULIAN. Trauma center—Respiratory and cardiovascular function in head injury (cats, dogs, human).

PO1GM-18470-03 0015 (GMP) SHILDON, GEORGE P. Trauma center—Red cell studies (human).

PO1GM-18470-03 0016 (GMP) HOLOCRRAFT, JAMES. Trauma center—Patient monitoring (human).

PO1GM-18470-03 0017 (GMP) BLAISDELL, F. WILLIAM. Trauma center—Blood program (human).

PO1GM-18470-03 0018 (GMP) BARBER, RICHARD. Trauma center—Assay for 15-hydroxy prostaglandin hydrogenase (human).

PO1GM-18470-03 0019 (GMP) THOMAS, ARTHUR. Trauma center—Role of air embolism after lung puncture injury (human).

PO1GM-18470-03 0020 (GMP) LEWIS, FRANK. Trauma center—Membrane pump oxygenator (human).

PO1GM-18470-03 0021 (GMP) TRUNKER, DONALD. Trauma center—Calcium flux in skeletal muscle in hemorrhagic shock (human).

RO1GM-18472-04 (BBCA) SCHUSTER, TODD M, UNIVERSITY OF CONNECTICUT, STORRS, CONN. Ligand binding to subunit proteins (human, angulates, viruses).

RO1GM-18476-03 (GEN) KATZ, EUGENE R, S U N Y - AT STONY BROOK, DEPARTMENT OF BIOLOGY, STONY BROOK, N Y. Developmental genetics of cellular slime molds.

RO1GM-18403-04 (GEN) HADWIGER, LEE A, WASHINGTON STATE UNIVERSITY, DEPT OF PLANT PATHOLOGY, PULLMAN, WASH. Drugs and gene activation (plants).

RO1GM-18487-03 (GEN) STERN, CURT, UNIVERSITY OF CALIFORNIA, DEPT OF ZOOLOGY, BERKELEY, CALIF. Mosaicism and developmental genetics (*Drosophila*).

RO1GM-18498-04 (MBC) BOOS, WINFRIED, MASSACHUSETTS GENERAL HOSPITAL, JACKSON TOWER 13, BOSTON, MASS. Mechanism of galactose transport through a membrane (E coli).

RO1GM-18519-04 (COM) COREY, BLAS J, HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. Computer-assisted analysis of chemical synthesis.

RO1GM-18528-13 (BBCA) KAMEN, MARTIN D, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Molecular basis for function of bacterial metalloproteins (also plants).

RO1GM-18533-04 (BIO) GILHAM, PETER T, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Methods for the sequence analysis of DNA (bacteria, beans, mammals).

RO1GM-18538-03 (CBY) KUBSHN, GLENN D, NEW MEXICO STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAS CRUCES, N MEX. Enzyme synthesis during synchronous cell development (slime molds).

RO1GM-18539-03 (MBY) SAMONI, ROBERT D, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCE, STANFORD, CALIFORNIA. Membrane biogenesis and function (bacteria, chick embryo).

RO1GM-18541-04 (MBY) BYERS, BRISCK E, UNIVERSITY OF WASHINGTON, DEPT OF GENETICS (SK-50), SEATTLE, WASH. Structural analysis of crystalline ribosomes (chick embryo).

RO1GM-18546-03 (MBC) ORNSTON, L NICHOLAS, YALE UNIVERSITY, DEPARTMENT OF BIOLOGY, NEW HAVEN, CONN. Evolution of regulatory mechanism (bacteria).

RO1GM-18568-02 (MBC) LOSICK, RICHARD M, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS 02138. Role of RNA polymerase in bacterial differentiation.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1GM-18577-03 (END) DI STEFANO, JOSEPH J, 3D, UNIVERSITY OF CALIFORNIA, 4731-G BOELTER HALL, LOS ANGELES, CALIF. Computer aided studies of humoral system parameters (sheep).
- RO1GM-18578-03 (GEN) WILSON, ALLAN C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, BERKELEY, CALIF. A new technique for detection of mutations in man (and primates).
- RO1GM-18586-03 (GEN) SALSER, WINSTON A, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, LOS ANGELES, CALIF. Nucleotide sequencing methods for oncogenic viruses.
- RO1GM-18587-03 (MBC) RUPP, W DEAN, YALE UNIVERSITY, DEPT OF THERAPEUTIC RAD, 333 CEDAR ST NEW HAVEN, CON. Structure and synthesis of episome DNA in bacteria.
- RO1GM-18593-09 (MCHA) HINE, JACK, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Polyfunctional catalysis.
- RO1GM-18595-04 (MCHA) HALL, H K, JR, UNIVERSITY OF ARIZONA, DEPARTMENT OF CHEMISTRY, TUCSON, ARIZ. Synthesis of unsubstituted chains of polysaccharides.
- RO1GM-18608-04 (MBC) KLINE, BRUCE C, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BIOCHEMISTRY, KNOXVILLE, TENN. Plasmid DNA replication.
- RO1GM-18617-04 (BIO) CERUTTI, PETER A, COLLEGE OF ARTS AND SCIENCES, UNIVERSITY OF FLORIDA, GAINESVILLE, FLA. Structure and function of ribonucleic acid (bacteria, hamsters, HeLa cells).
- RO1GM-18619-02 (SSS) HARTMAN, RICHARD E, JET PROPULSION LAB, CALIF INST OF TECH, PASADENA, CALIF. High resolution biological electron microscopy.
- RO1GM-18623-03 (TOX) BRESNICK, EDWARD, MED COLL OF GEORGIA, AUGUSTA, GA. Pharmacology and toxicology of drug-chromatin interaction (rats).
- RO1GM-18627-04 (MBC) HOCH, SALLIE O, SCRIPPS CLINIC & RESEARCH FDM, 476 PROSPECT STREET, LA JOLLA, CALIF. Tryptophan biosynthesis in *Bacillus subtilis*.
- RO1GM-18632-03 (BBCA) VOET, DONALD M, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF CHEMISTRY, PHILADELPHIA, PA. Structures of nucleic acids and related molecules.
- RO1GM-18633-07 (GEN) ROTH, JOHN R, UNIVERSITY OF CALIFORNIA, DEPT OF MOLECULAR BIOLOGY, BERKELEY, CALIF. Analysis of the genes involved in tRNA production (*Salmonella typhimurium*).
- RO1GM-18637-03 (BBCA) LANGERMAN, NEAL R, TUFTS UNIVERSITY SCHOOL OF MED, 136 HARRISON AVENUE, BOSTON, MASS. Thermodynamic studies of protein reactions-Luciferase bacteria).
- RO1GM-18639-03 (CBY) STABHEIJN, I ANDREW, UNIVERSITY OF COLORADO, BOULDER, COLO. BOULDER, COLO. Structure and function of freeze-etched cell membranes (algae, protozoa, toads).
- RO1GM-18640-03 (CBY) BRANDT, PHILIP W, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Mechanism of pinocytosis (amoeba).
- RO1GM-18642-03 (GEN) MARZLUF, GEORGE A, ACADEMIC FACULTY OF BIOCHEM, 484 W 12TH AVENUE, COLUMBUS, OHIO. Control of differential gene action and morphogenesis (neurospora).
- RO1GM-18644-01 (MCHB) GURBAULT, GEORGE O, LOUISIANA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW ORLEANS, LA. Reagentless monitoring system for enzyme analysis.
- RO1GM-18648-03 (BIO) ERMAN, JAMES E, NORTHERN ILLINOIS UNIVERSITY, DEPARTMENT OF CHEMISTRY, DE KALB, ILL. Cytochrome C peroxidase catalyzed oxidations (yeast).
- RO1GM-18649-16 (PC) BESSMAN, MAURICE J, JOHNS HOPKINS UNIVERSITY, CHARLES AND 34TH STREETS, BALTIMORE, MD. Enzymatic synthesis of precursors of DNA (yeasts, bacteria).
- RO1GM-18652-03 (BIO) MATTA, MICHAEL S, SOUTHERN ILLINOIS UNIVERSITY, FACULTY OF CHEMISTRY, EDWARDSVILLE, ILL. Polar effects in model substrates of chymotrypsin.
- RO1GM-18663-03 (GEN) DOERSCHUO, EARLE B, IOWA STATE UNIVERSITY, DEPARTMENT OF GENETICS, AMES, IOWA. Regulation of ribosomal DNA and RNA transcription (plants).
- RO1GM-18664-03 (GEN) WOOLF, CHARLES M, ARIZONA STATE UNIVERSITY, DEPARTMENT OF ZOOLOGY, TEMPE, ARIZ. Genetic regulation of maternal effects.
- RO1GM-18669-06 (PHRB) YUNIS, ADEL A, UNIV OF MIAMI SCH OF MED, P O BOX 875 - BISCAYNE ANNEX, MIAMI, FLA. Chloramphenicol-induced marrow aplasia-Pathogenesis (human, monkeys, dogs).
- RO1GM-18673-03 (PC) KRAKOW, JOSEPH S, HUNTER COLLEGE, 695 PARK AVENUE, NEW YORK, N Y. RNA synthesis by *Azotobacter vinelandii* RNA polymerase.
- PO1GM-18674-03 (GMP) ABRAMS, HERBERT L, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Diagnostic radiology research and training center.
- PO1GM-18674-03 0001 (GMP) HOLLENBERG, NORMAN K. Diagnostic radiology research and training center-Renal perfusion and vascular reactivity in normal and hypertensive man.
- PO1GM-18674-03 0002 (GMP) HOLLENBERG, NORMAN K. Diagnostic radiology research and training center-Intrarenal hemodynamics in acute oliguric renal failure (human).
- PO1GM-18674-03 0003 (GMP) ABRAMS, HERBERT L. Diagnostic radiology research and training center-Coronary flow and myocardial viability (dogs, human).
- PO1GM-18674-03 0004 (GMP) MELLINS, HARRY Z. Diagnostic radiology research and training center-Quantitative evaluation of criteria in radiologic examinations (human).
- PO1GM-18674-03 0005 (GMP) HOLLENBERG, NORMAN K. Diagnostic radiology research and training center-Renal vasculature in acute failure models (dogs, rats).
- PO1GM-18674-03 0006 (GMP) HOLLENBERG, NORMAN K. Diagnostic radiology research and training center-Mediators of renal vasoconstriction (chicks, rat, human).
- PO1GM-18674-03 0007 (GMP) PAULIN, SVEN. Diagnostic radiology research and training center-Myocardial toxicity of contrast agents (dogs).
- PO1GM-18674-03 0008 (GMP) ADAMS, DOUGLASS F. Diagnostic radiology research and training center-Intracardiac delivery of contrast agents (dogs, human).
- PO1GM-18674-03 0009 (GMP) BORKENHAGEN, DAVID. Diagnostic radiology research and training center-Model of chronic mitral regurgitation (dogs).
- PO1GM-18674-03 0010 (GMP) ABRAMS, HERBERT L. Diagnostic radiology research and training center-Collateral circulation in renal ischemia (dogs, rabbits).
- PO1GM-18674-03 0011 (GMP) ABRAMS, HERBERT L. Diagnostic radiology research and training center-Responsiveness of normal and neoplastic vessels in liver (rabbits).
- PO1GM-18674-03 0012 (GMP) BJARNGARD, BENGT. Diagnostic radiology research and training center-Primary spectra and computer simulation of image generation.
- PO1GM-18674-03 0013 (GMP) BLESSER, BARRY. Diagnostic radiology research and training center-Perceptual errors in diagnostic radiology.
- PO1GM-18674-03 0014 (GMP) DAVIS, MICHAEL A. Diagnostic radiology research and training center-Chemistry and physiology of technetium-99m labeled compounds (mice, dogs).
- PO1GM-18674-03 0015 (GMP) HOLMAN, B LEONARD. Diagnostic radiology research and training center-Radioculonic assessment of coronary artery disease with 133 Xe-washout (human).
- RO1GM-18676-03 (GEN) MC KUSICK, VICTOR A, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Catalogs of Mendelian traits of man.
- RO1GM-18678-03 (GEN) NOVITSKI, EDWARD, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG. The synthesis and analysis of chromosomes (*Drosophila*).
- RO1GM-18680-03 (GEN) JACOBS, MERLE E, GOSHEN COLLEGE, GOSHEN, IND. Effect of beta-alanine on behavior (*Drosophila*).
- RO1GM-18682-03 (GEN) CASKEY, CHARLES T, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Mammalian peptide termination-mechanism and supression (hamsters, viruses).
- RO1GM-18684-03 (GEN) TAYLOR, BENJAMIN A, JACKSON LABORATORY, BAR HARBOR, MAINE. Genetic analysis of complex infirmities (mice, human).
- RO1GM-18690-03 (GEN) RICHMOND, ROLLIN C, INDIANA UNIVERSITY, DEPARTMENT OF ZOOLOGY, BLOOMINGTON, IND. Genetic origins of reproductive isolation (*Drosophila*).
- RO1GM-18694-03 (BBCA) GOODMAN, MURRAY, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Conformation of biopolymers and peptide hormones.
- RO1GM-18697-03 (BBCB) REDWOOD, WILLIAM R, NEW JERSEY COLL OF MED, NEW JERSEY MEDICAL SCHOOL, NEWARK, N J. Lipid-protein interaction studies on model membranes (bacteria).
- RO1GM-18698-03 (BBCB) HO, CHIEN, UNIVERSITY OF PITTSBURGH, 378 CRAWFORD HALL, PITTSBURGH, PA. NMR studies of membrane transport and components (bacteria).
- RO1GM-18701-03 (BIO) NORTHROP, DEXTER B, UNIV OF WISCONSIN, 425 NORTH CHARTER STREET, MADISON, WIS. Kinetics of enzyme activation by divalent metal ions.
- RO1GM-18711-03 (CBY) BROKAW, CHARLES J, CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Mechanisms of movement of simple sperm flagella (sea urchins, cilia).
- PO1GM-18715-02 (PTR) BUTLER, THOMAS C, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Biochemical effects and chemical reactions of drugs.
- PO1GM-18715-02 0001 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Effects of drugs on pH (Ehrlich ascites tumor cells).
- PO1GM-18715-02 0002 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Effects of drugs and metabolic disturbances on pH and brain ions (rats).
- PO1GM-18715-02 0003 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Effects of hypoxia and cyanide on pH of glomus cells.
- PO1GM-18715-02 0004 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Distribution of partially ionized drugs.
- PO1GM-18715-02 0005 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Stable substances absorbing at 320 nm forming from penicillic acid.
- PO1GM-18715-02 0006 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Kinetic reactions of benzylpenicillic acid.
- PO1GM-18715-02 0007 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Synthesis and studies of the development of thiazolidinyl-oxazolones.
- PO1GM-18715-02 0008 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Efficient trapping agent for the sulfhydryl group of a penicillic acid.
- PO1GM-18715-02 0009 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Semi-synthetic penicillins.
- PO1GM-18715-02 0010 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Cephalosporins.
- PO1GM-18715-02 0011 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Isolation and identification of drug metabolites (dogs).
- PO1GM-18715-02 0012 (PTR) BUTLER, THOMAS C. Biochemical effects and chemical reactions of drugs-Localization of drug metabolizing enzymes.
- RO1GM-18719-03 (BBCB) BRYANT, ROBERT G, UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. Solvent and small solutes in tissues and proteins.
- RO1GM-18720-03 (BBCB) ROEBBER, JOHN L, NORTHEASTERN UNIVERSITY, 360 HUNTINGTON AVENUE, BOSTON, MASS. Photoelectron spectroscopy of porphyrins.
- RO1GM-18721-03 (BBCB) GOODALL, MARCUS C, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVE, SOUTH, BIRMINGHAM, ALA. Molecular mechanisms in lipid bilayers (fish).
- RO1GM-18725-03 (BBCB) HOLTON, GERALD, HARVARD UNIVERSITY, 358 JEFFERSON PHYSICAL LABORATORY, CAMBRIDGE, MASS. Thermodynamic character of protein conformation (bacteria).
- RO1GM-18729-02 (GEN) DOANE, WINIFRED W, YALE UNIVERSITY, 219 PROSPECT STREET, NEW HAVEN, CONN. Genetic regulatory mechanism in cellular differentiation (*Drosophila*).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-18731-03 (MBC) KENNEDY, EUGENE P, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Transport of magnesium (bacteria).
- RO1GM-18735-03 (MBC) MENDELSON, NEIL H, UNIVERSITY OF ARIZONA, DEPT OF MICROBIO & MED TECHNOL, TUCSON, ARIZ. Control of growth and division (bacteria).
- RO1GM-18740-01 (PHRA) KIEFER, EDGAR F, UNIVERSITY OF HAWAII, DEPT OF CHEMISTRY, HONOLULU, HAWAII. Structure and mode of action of compound 48/80.
- RO1GM-18747-03 (RAD) SHETLAR, MARTIN D, UNIVERSITY OF CALIFORNIA, SCHOOL OF PHARMACY, SAN FRANCISCO, CALIF. Energy transfer and reaction in DNA-histone complexes.
- RO1GM-18752-03 (MCHA) WALTER, RODERICH W, UNIVERSITY OF NEW YORK, 100TH STREET AND FIFTH AVENUE, NEW YORK, N. Y. Solid-phase peptide synthesis (animals).
- RO1GM-18754-13 (MCHA) BRESLOW, RONALD C, COLUMBIA UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW YORK, N. Y. Biochemical model reactions.
- RO1GM-18756-03 (MCHA) DAY, RICHARD A, UNIVERSITY OF CINCINNATI, CINCINNATI, OHIO. New synthetic and analytical methods for peptides.
- RO1GM-18759-03 (MCHB) WILCH, STEVEN C, UNIVERSITY OF HOUSTON, CULLEN BLVD, HOUSTON, TEXAS. Total synthesis of antifungal antibiotics.
- RO1GM-18760-03 (PC) KEENAN, THOMAS W, PURDUE UNIVERSITY, SMITH HALL, LAFAYETTE, IND. Characterization of membrane lipoproteins (rats, cattle).
- RO1GM-18764-03 (TOX) LINDELL, THOMAS J, UNIVERSITY OF ARIZONA, 1501 NORTH CAMPBELL AVENUE, TUCSON, ARIZ. Molecular toxicology of alpha-amanitin and phalloidin (fungi, rats).
- RO1GM-18770-03 (COM) GOOD, IRVING J, VIRGINIA POLYTECHNIC INSTITUTE, DEPT OF STATISTICS, BLACKSBURG, VA. Probability estimation.
- RO1GM-18774-03 (PC) ERWIN, JOSEPH A, ILLINOIS INST OF TECH, BIOLOGY DEPARTMENT, CHICAGO, ILL. Physiological chemistry of polyenoic fatty acids (ciliates).
- RO1GM-18775-03 (PC) RAVEL, JOANNE M, UNIVERSITY OF TEXAS, CLAYTON FDN BIOCHEMICAL INSTIT, AUSTIN, TEXAS. Factors controlling protein biosynthesis (E coli, bacteriophage T4).
- RO1GM-18776-03 (PC) LAEMMELI, ULRICH K, PRINCETON UNIVERSITY, FRICK CHEMICAL LABORATORY, PRINCETON, N. J. Bacteriophage T4 morphogenesis and packing of DNA.
- RO1GM-18780-03 (RAD) GREEN, PHILIP S, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Ultrasonic camera for soft tissue imaging-Part A.
- RO1GM-18796-03 (PC) GUPTA, NABA K, UNIVERSITY OF NEBRASKA, HAMILTON HALL, ROOM 606, LINCOLN, NEBR. Genetic code, protein synthesis in mammalian systems (rabbits).
- RO1GM-18805-03 (SOYB) GOSS, RICHARD J, BROWN UNIVERSITY, DIV OF BIO & MEDICAL SCIENCES, PROVIDENCE, R. I. Wound healing vs tissue regeneration (rabbit).
- RO1GM-18807-02 (BBCA) LOVRIEN, REX E, UNIVERSITY OF MINNESOTA, COLL OF BIOLOGICAL SCIENCES, ST PAUL, MINN. Restoration of function of damaged cells and enzymes (insects, mammals).
- RO1GM-18811-03 (BBCA) DALLEY, M KEPT, BRIGHAM YOUNG UNIVERSITY, DEPARTMENT OF CHEMISTRY, PROVO, UTAH. X-ray study of metal-cyclic polyether complexes.
- RO1GM-18813-03 (BBCA) SEFF, KARL, UNIVERSITY OF HAWAII, 2545 THE MALL, HONOLULU, HAWAII. Crystallography of organic disulfide-metal complexes.
- RO1GM-18814-03 (BBCA) WETLAUFER, DONALD B, UNIVERSITY OF MINNESOTA, DEPT OF BIOCHEMISTRY, MINNEAPOLIS, MINN. Kinetics and mechanisms of protein self-assembly (children, cattle).
- RO1GM-18816-03 (BBCA) IZZATT, REED M, BRIGHAM YOUNG UNIVERSITY, 204 ESC, PROVO, UTAH. Calorimetric and NMR study of metalloenzyme systems.
- RO1GM-18819-03 (PC) MACEY, ROBERT I, UNIV OF CALIF, 2549 LIFE SCIENCES BLDG, BERKELEY, CALIF. Ca and Mg in maintenance of membrane transport (human).
- RO1GM-18829-03 (GEN) WIMBER, DONALD E, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG. Chromosomal structure and genetic redundancy (insect, plants).
- RO1GM-18831-03 (GEN) SCHROEDER, ALICE L, MOLECULAR BIOPHYSICS LAB, WASHINGTON STATE UNIVERSITY, PULLMAN, WASH. DNA maintenance systems (fungi).
- RO1GM-18835-03 (GEN) SCHEFFLER, MAMO E, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Genetics and biochemistry of somatic cells (hamsters).
- RO1GM-18842-03 (MBC) KARAM, JIM D, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Genetic control of phage T4 DNA replication.
- RO1GM-18852-03 (BIO) FLOSS, HIRNIZ G, PURDUE UNIVERSITY, SCHOOL OF PHARMACY & PHARMACAL, LAFAYETTE, IND. Stereochemistry of enzyme reactions (bacteria).
- RO1GM-18853-03 (CBY) IZZARD, COLIN S, STATE UNIV OF NEW YORK, 1400 WASHINGTON AVENUE, ALBANY, N. Y. Movement of fibroblasts and other tissue cells (amphibians, chicks, tunicates).
- RO1GM-18854-03 (CBY) ALLEN, ROBERT D, STATE UNIV OF NEW YORK, 1400 WASHINGTON AVENUE, ALBANY, N. Y. Biological movement processes (terrestrial, fresh water and marine organisms).
- RO1GM-18855-03 (MBY) GODCHAUX, WALTER, 3D, DEPARTMENT OF BIOLOGY, AMHERST COLLEGE, AMHERST, MASS. Ribosome function in eukaryotes.
- RO1GM-18858-03 (MBY) GETZ, GODFREY S, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Lipids and control of mitochondrial biogenesis (yeast).
- RO1GM-18865-03 (BBCB) LOEHR, THOMAS M, OREGON GRADUATE CENTER, 19600 N W WALKER ROAD, BEAVERTON, OREG. Laser Raman spectroscopy of metalloproteins.
- RO1GM-18868-03 (BIO) TZAGOLOFF, ALEXANDER A, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N. Y. Biosynthesis of cytochrome oxidase (yeast, cattle).
- RO1GM-18869-03 (BIO) FEE, JAMES A, RENSSELAER POLYTECHNIC INST, DEPT OF CHEMISTRY, TROY, N. Y. Mechanism of superoxide dismutase (cattle).
- RO1GM-18870-02 (BIO) GOLDTHWAIT, DAVID A, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Biochemistry of genetic recombination (E coli).
- RO1GM-18871-07 (BBCA) IFFT, JAMES B, DEPARTMENT OF CHEMISTRY, UNIVERSITY OF REDLANDS, REDLANDS, CALIF. Physical chemistry of proteins in salt solutions (human, cattle).
- RO1GM-18872-08 (MCHA) ABERHART, DONALD J, CATHOLIC UNIVERSITY OF AMERICA, DEPARTMENT OF CHEMISTRY, WASHINGTON, D. C. Stereochemistry of cysteine biosynthesis from serine (rats, bacteria).
- RO1GM-18874-03 (MCHB) BEAK, PETER A, UNIVERSITY OF ILLINOIS, 361B EAST CHEMISTRY, URBANA, ILL. New synthetic methods useful for chemotherapeutics.
- RO1GM-18881-09 (MBY) EDMONDS, MARY P, 4743 CRABTREE HALL, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Homopolynucleotide sequences in mammalian cells (HeLa cells, cattle).
- RO1GM-18887-03 (BIO) WU, RAY, CORNELL UNIVERSITY, WING HALL, ITHACA, N. Y. Promoter and operator site DNA sequence analysis (bacteriophage, E coli).
- RO1GM-18890-03 (MCHB) BISHNER, ULLI, HOWARD UNIVERSITY, DEPT OF CHEMISTRY, WASHINGTON, D. C. Studies on coenzyme model compounds.
- RO1GM-18894-03 (BBCB) YU, NAI-TENG, GEORGIA INST OF TECHNOLOGY, SCHOOL OF CHEMISTRY, ATLANTA, GA. Laser-excited Raman spectroscopy of biopolymers.
- RO1GM-18895-03 (BIO) DERVARTANIAN, DANIEL V, UNIVERSITY OF GEORGIA, DEPT OF BIOCHEMISTRY, ATHENS, GA. High-energy interactions in multi-heme systems (bacteria).
- RO1GM-18904-03 (MBC) HALVORSON, HARLYN O, ROSENSTIEL BASIC MED SCI RES, BRANDEIS UNIV, WALTHAM, MASS. Regulation of differentiation in germinating spores.
- RO1GM-18907-08 (GEN) EHRMAN, LEE, STATE UNIVERSITY OF NEW YORK, COLLEGE AT PURCHASE, PURCHASE, N. Y. Population fitness-Genic and cytoplasmic determinants.
- RO1GM-18910-03 (GEN) BERGER, EDWARD M, STATE UNIVERSITY OF NEW YORK, DEPT OF BIOLOGY, ALBANY, N. Y. Genetic control of protein synthesis in eucaryotes (Drosophila).
- RO1GM-18916-03 (MBC) WHIBELIS, MARK L, UNIVERSITY OF CALIFORNIA, DEPT OF BACTERIOLOGY, DAVIS, CALIF. Genetics catabolic pathways (bacteria).
- RO1GM-18921-03 (MBY) PAPANADJOPOULOS, P D, ROSWELL PARK MEM INST, 666 ELM ST, BUFFALO, N. Y. Phospholipid-protein interactions and membrane function.
- RO1GM-18924-03 (GEN) TAYLOR, MILTON W, INDIANA UNIVERSITY, DEPT OF MICROBIOLOGY, BLOOMINGTON, IND. Mutants of mammalian cell lines.
- RO1GM-18926-03 (MBC) FANGMAN, WALTON L, UNIVERSITY OF WASHINGTON, DEPT OF GENETICS, SEATTLE, WASH. DNA structure and replication in yeast and bacteria.
- RO1GM-18927-03 (RAD) ZIMBRICK, JOHN D, UNIVERSITY OF KANSAS, WEST 15TH STREET, LAWRENCE, KANS. DNA base damage induced by gamma radiation (Escherichia coli).
- RO1GM-18936-04 (MBC) CARLTON, BRUCE C, UNIVERSITY OF GEORGIA, 622 GRAD STUDIES RESEARCH CTR, ATHENS, GA. Circular DNA elements in Bacillus megaterium (bacteria).
- RO1GM-18938-03 (BIO) CLELAND, W WALLACE, UNIVERSITY OF WISCONSIN, DEPT OF BIOCHEMISTRY, MADISON, WIS. Determination of enzyme mechanisms by kinetic studies.
- RO1GM-18939-03 (BIO) WESTLEY, JOHN L, UNIVERSITY OF CHICAGO, 920 EAST 58TH STREET, CHICAGO, ILL. Sulfanes in metabolism-Crystalline human rhodanase (also bacteria, animals).
- PO1GM-18940-02 (GMP) ROSSMANN, KURT, UNIVERSITY OF CHICAGO, 950 EAST 59TH ST, CHICAGO, ILL. Study of radiologic images.
- PO1GM-18940-02 0001 (GMP) ROSSMANN, KURT. Study of radiologic images-Measurement of x-ray spectra (model).
- PO1GM-18940-02 0002 (GMP) ROSSMAN, KURT. Study of radiologic images-Physical factors affecting radiographic image quality (models, human).
- PO1GM-18940-02 0003 (GMP) LUSTED, LEE B. Study of radiologic images-System and observer performance.
- PO1GM-18940-02 0004 (GMP) HOFFER, PAUL B. Study of radiologic images-Clinical evaluation of imaging systems.
- PO1GM-18940-02 0005 (GMP) HARPER, PAUL V. Study of radiologic images-Development of new radionuclide imaging agents and procedures (human, mice).
- PO1GM-18940-02 0009 (GMP) LATHROP, KATHERINE A. Study of radiologic images-In vivo radionuclide distribution studies (rodents, monkeys, human).
- PO1GM-18940-02 0010 (GMP) BECK, ROBERT N. Study of radiologic images-Collimation and detection of radiation (phantom models).
- PO1GM-18940-02 0014 (GMP) BECK, ROBERT N. Study of radiologic images-Sensitivity and resolution in collimator design.
- PO1GM-18940-02 0017 (GMP) CHARLESTON, DONALD B. Study of radiologic images-Development of liquid xenon imaging system.
- RO1GM-18953-03 (MBC) ROGERS, PALMER, UNIV OF MINNESOTA MED SCHOOL, BOX 196 MAYO, MINNEAPOLIS, MINN. Specific m-RNA control by canavanine and arginine (bacteria).
- RO1GM-18955-06 (PC) GARRETT, REGINALD M, UNIVERSITY OF VIRGINIA, DEPT OF BIOLOGY, CHARLOTTESVILLE, VA. Enzymology of nitrate assimilation (fungi, marine diatoms).
- RO1GM-18958-06 (PC) BASSEL, BYRON A, JR, STATE UNIV OF NEW YORK, DEPT OF MICROBIOLOGY, SYRACUSE, N. Y. Mechanisms of phage RNA-stimulated protein synthesis.
- RO1GM-18962-01 (MBC) BARNES, EUGENE M, JR, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Mechanisms of sugar transport in membrane vesicles (bacteria).
- RO1GM-18966-03 (GEN) DE BAULT, LAWRENCE E, UNIVERSITY OF IOWA, 500 NEWTON ROAD, IOWA CITY, IOWA. Mapping marker chromosomes with quinacrine mustard (human).
- RO1GM-18967-03 (GEN) MILKMAN, ROGER D, UNIVERSITY OF IOWA, DEPARTMENT OF ZOOLOGY, IOWA CITY, IOWA. Heterosis and genetic polymorphism (mytilus, drosophila).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-18969-03 (GEN) BRUMBAUGH, JOHN A, UNIVERSITY OF NEBRASKA, SCHOOL OF LIFE SCIENCES, LINCOLN, NEBRASKA. Types of genetic mechanisms controlling melanogenesis (chickens).
- RO1GM-18970-03 (MBY) HOLLOWAY, PETER W, UNIVERSITY OF VIRGINIA, DEPT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Microsomal membrane enzymes—Isolation and reassembly (chickens).
- RO1GM-18973-03 (MBY) BOTSTEIN, DAVID, MASS INST TECHNOLOGY, CAMBRIDGE, MASS. DNA replication of phage P22.
- RO1GM-18974-03 (MBY) GOODENOUGH, DANIEL A, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Biochemistry and function of intercellular junctions (mice).
- RO1GM-18979-03 (MCHB) HAYES, JOHN M, INDIANA UNIVERSITY, DEPT OF CHEMISTRY, BLOOMINGTON, IND. Stable isotope ratios using submicrogram samples.
- RO1GM-18983-03 (MCHB) LEGG, JOHN I, WASHINGTON STATE UNIVERSITY, DEPT OF CHEMISTRY, PULLMAN, WASH. Models for metalloproteases.
- RO1GM-18994-03 (BDCB) DAHLQUIST, FREDERICK W, UNIVERSITY OF OREGON, DEPT OF CHEMISTRY, EUGENE, ORE. Mechanism of chemotaxis in bacterium.
- RO1GM-18999-03 (MCHA) PEDOR, LEO R, STATE UNIVERSITY OF NEW YORK, H S 310, BUFFALO, N. Y. Enzyme, nonenzyme catalyzed carbon acid prototrophy.
- RO1GM-19010-03 (GEN) HANAWALT, PHILIP C, STANFORD UNIVERSITY, BIOLOGY DEPT, STANFORD, CALIF. OMA repair in *Escherichia coli* and *Bacillus subtilis*.
- RO1GM-19018-10 (BDCB) BRAY, PHILIP J, BROWN UNIVERSITY, BOX 1929, PROVIDENCE, R. I. Nuclear resonance studies of molecular systems.
- RO1GM-19019-11 (BDCB) BERSOHM, RICHARD, COLUMBIA UNIVERSITY, 959 HAVEMEYER HALL, NEW YORK, N. Y. Bifunctional studies of proteins (human, bacterial).
- RO1GM-19028-06 (PC) LINN, STUART M, UNIVERSITY OF CALIFORNIA, 401 BIOCHEMISTRY BLDG, BERKELEY, CALIF. In vitro restriction and modification of phage DNA (bacteria).
- RO1GM-19032-01 (BCCA) DEL BENE, JANET E, DEPT OF CHEMISTRY, YOUNGSTOWN STATE UNIV, YOUNGSTOWN, OHIO. Molecular orbital studies of hydrogen bonding.
- RO1GM-19035-03 (BDCB) PRESTEGARD, JAMES H, YALE UNIVERSITY, 225 PROSPECT STREET, NEW HAVEN, CONN. NMR investigations of polyene-perturbed membranes.
- RO1GM-19036-06 (BIO) PETERSON, JULIAN A, UNIVERSITY OF TEXAS, SOUTHWESTERN MED SCH AT DALLAS, DALLAS, TEX. Regulation of oxidation reactions (pseudomonas).
- RO1GM-19037-03 (BIO) KAISER, EARL T, UNIV OF CHICAGO DEPT OF CHEM, 5735 S ELLIS AVENUE, CHICAGO, ILL. Basis of cyclic AMP action (cattle).
- RO1GM-19043-03 (MBC) INOUE, MASAYORI, UNIVERSITY OF NEW YORK, STONY BROOK, N. Y. Cell division and membrane proteins (bacteria).
- RO1GM-19047-03 (MCHB) RUND, JOHN V, UNIVERSITY OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Hindered coordination—Structure and reactivity.
- RO1GM-19051-03 (GEN) LEDERBERG, SEYMOUR, BROWN UNIVERSITY, DIV OF BIOLOG MED SCIS, PROVIDENCE, R. I. Gene restriction and recombination (bacteria).
- RO1GM-19056-03 (PC) ROBINSON, DWIGHT R, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Enzyme mechanisms for acyl transfer reactions (swine, human).
- RO1GM-19058-03 (ALY) LOEPLER, LARRY J, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, N. C. Antibodies in drug analysis and medicinal chemistry (sheep, rabbits).
- RO1GM-19059-03 (BBCA) UHLENBECK, OLKE C, UNIVERSITY OF ILLINOIS, 314 E ROGER ADAMS LABORATORY, URBANA, ILL. Structure and function of ribonucleic acid (*E. coli*).
- RO1GM-19060-03 (BBCA) GRAY, DONALD M, UNIVERSITY OF TEXAS AT DALLAS, P O BOX 688, RICHARDSON, TEX. Sequence-dependence of polynucleotide configuration.
- RO1GM-19062-03 (BBCA) WU, CHENG-WEN, YESHIVA UNIVERSITY, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Mechanism and regulation of gene transcription (*E. coli*).
- RO1GM-19074-03 (BIO) BYVOET, PAUL, UNIVERSITY OF FLORIDA, 220 BARTRAM HALL, GAINESVILLE, FLA. Histone acetyltransferase from liver chromatin (rats).
- RO1GM-19076-03 (GEN) HUNT, JOHN A, UNIV OF HAWAII MED SCHOOL, 1960 EAST WEST RD, HONOLULU, HAWAII. The transfer of genetic information (rabbits).
- RO1GM-19078-03 (MBC) KADNER, ROBERT J, UNIVERSITY OF VIRGINIA, DEPARTMENT OF MICROBIOLOGY, CHARLOTTESVILLE, VA. Gene amplification and membrane proteins (bacteria).
- RO1GM-19079-03 (MBY) ZETTLER, ELMAR, UNIVERSITY OF CHICAGO, 5640 SOUTH ELLIS AVENUE, CHICAGO, ILL. One MEV scanning transmission electron microscope.
- RO1GM-19079-03 0001 (MBY) ZETTLER, ELMAR. One MEV scanning transmission electron microscope—Linear non-repetitive sequence.
- RO1GM-19079-03 0002 (MBY) ZETTLER, ELMAR. One MEV scanning transmission electron microscope—Analysis of the kinetics of folding in macromolecules.
- RO1GM-19079-03 0083 (MBY) ZETTLER, ELMAR. One MEV scanning transmission electron microscope—Coalescence of large, well ordered aggregates (viruses).
- RO1GM-19079-03 0044 (MEY) ZETTLER, ELMAR. One MEV scanning transmission electron microscope—Structural studies of the ribosomes.
- RO1GM-19079-03 0005 (MBY) ZETTLER, ELMAR. One MEV scanning transmission electron microscope—In situ analysis of organellar assembly.
- RO1GM-19079-03 0006 (MBY) ZETTLER, ELMAR. One MEV scanning transmission electron microscope—Formation and final configuration of intercellular junction in embryonic tissue.
- RO1GM-19079-03 0007 (MBY) ZETTLER, ELMAR. One MEV scanning transmission electron microscope—Distribution of specific functional sites on the surface of mammalian cells.
- RO1GM-19084-03 (PHRA) LOUIS-FERDINAND, R T, UNIVERSITY OF MARYLAND, 636 WEST LOMBARD STREET, BALTIMORE, MD. Ribonuclease inhibition by inducing agents (rats, mice).
- RO1GM-19090-03 (MBY) BUTOW, RONALD A, UNIVERSITY OF TEXAS SW MED SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Mechanisms of bioenergetic reactions (fungi).
- RO1GM-19091-03 (PC) WAKIL, SALIM J, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Metabolism and control of fatty acids (animals, bacteria).
- RO1GM-19096-03 (MBY) ROEDER, ROBERT G, WASHINGTON UNIV SCH OF MED, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Molecular basis of differentiation (toads).
- RO1GM-19097-03 (PC) DAVID, ANSHEL E, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Membrane structural protein of vesicular stomatitis virus.
- RO1GM-19098-03 (PC) CRAWFORD, IRVING P, SCRIPPS CLINIC & RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Genetic factors affecting protein-protein recognition (bacteria, human).
- RO1GM-19099-08 (PC) SCHOFIELD, PETER, UNIVERSITY OF VERMONT, DEPARTMENT OF BIOCHEMISTRY, BURLINGTON, VT 05401. Functional sites on transfer RNA (*E. coli*).
- PO1GM-19100-03 (SSS) NITOWSKY, HAROLD M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Genetics research center.
- PO1GM-19100-03 0001 (SSS) JAFFE, ERNST R. Genetics research center—Detection center for erythrocyte abnormalities (human).
- PO1GM-19100-03 0002 (SSS) MOSER, G C. Genetics research center—Detection center for hemoglobinopathies (human).
- PO1GM-19100-03 0003 (SSS) KLINGER, HAROLD P. Genetics research center—Chromosome abnormalities (human).
- PO1GM-19100-03 0005 (SSS) ROSEN, ORA M. Genetics research center—Transplantable insulinoma as model of beta cells (hamsters).
- PO1GM-19100-03 0006 (SSS) NITOWSKY, HAROLD. Genetics research center—Prediabetic state (human).
- PO1GM-19100-03 0007 (SSS) NITOWSKY, HAROLD. Genetics research center—Cell culture studies in inborn errors of metabolism (human, rats).
- PO1GM-19100-03 0008 (SSS) NITOWSKY, HAROLD. Genetics research center—Cell cycle related fluorescence staining of chromosomes.
- PO1GM-19100-03 0009 (SSS) NITOWSKY, HAROLD. Genetics research center—Pregnancy in sickle cell disease.
- PO1GM-19100-03 0012 (SSS) KLINGER, HAROLD P. Genetics research center—Attempts to correct genetic defects in somatic cells (human, mice).
- PO1GM-19100-03 0013 (SSS) JAFFE, ERNST R. Genetics research center—Somatic cell hybrids in study of inborn errors of metabolism (human).
- PO1GM-19100-03 0014 (SSS) SINISCALCO, MARCELLO. Genetics research center—Somatic cell approach in genetic analysis of mammals (equidae, mice, hamsters).
- PO1GM-19100-03 0015 (SSS) WAELSCH, SALOME G. Genetics research center—Developmental genetics (mice).
- PO1GM-19100-03 0016 (SSS) LILLY, FRANK. Genetics research center—Immunogenetics (mice, viruses).
- PO1GM-19100-03 0018 (SSS) SHAPIRO, LUCILLE. Genetics research center—Developmental genetics (*Caulobacter crescentus*).
- PO1GM-19100-03 0019 (SSS) SILVERMAN, PHILIP M. Genetics research center—Differentiation of aquatic phycozoete (*Blastocodidiella emersonii*).
- PO1GM-19100-03 0020 (SSS) MARMUR, JULIUS. Genetics research center—Characterization of nuclear DNA in yeast (*S cerevisiae* mutants).
- PO1GM-19100-03 0021 (SSS) SCHILDKRAUT, CARL L. Genetics research center—Temporal order of replication of some DNA cistrons (mammals, frogs, viruses).
- PO1GM-19100-03 0022 (SSS) MAJO, JOSEPH J. Genetics research center—Proteins associated with constitutively repressed genome sequences (mammals).
- PO1GM-19100-03 0023 (SSS) WARNER, JONATHAN R. Genetics research center—RNA and ribosome synthesis (HeLa cells, yeast).
- PO1GM-19100-03 0024 (SSS) SHANSKE, SARA. Genetics research center—Biochemical differences in variant type II glycogen storage disease (human).
- PO1GM-19100-03 0025 (SSS) NAKAGAWA, SACHIKO. Genetics research center—Hexosaminidase activities and properties (human, rats).
- PO1GM-19100-03 0026 (SSS) HANDELSMAN, DANIEL. Genetics research center—Insulin binding and response to the hormone in cell cultures (human).
- PO1GM-19100-03 0027 (SSS) SHIN, SEUNG-IL. Genetics research center—Somatic cell genetics (mice, hamsters, chickens, human).
- PO1GM-19100-03 0028 (SSS) SKOULTCHI, ARTHUR I. Genetics research center—Genetic differentiation of erythroleukemia cells (mice, human).
- PO1GM-19100-03 0029 (SSS) HENRY, SUSAN A. Genetics research center—Yeast genetics.
- PO1GM-19100-03 0030 (SSS) SCHMIDT, R. Genetics research center—Chromosomal aberrations in acute and chronic leukemia (human).
- PO1GM-19100-03 0031 (SSS) KHADAVI, M. Genetics research center—Fertility in women with 45X/46XX chromosome mosaicism.
- PO1GM-19100-03 0032 (SSS) BOOKCHIN, ROBERT M. Genetics research center—Molecular aspects of polymerization of hemoglobin S.
- RO1GM-19101-02 (MCHA) BARKER, ROBERT, UNIVERSITY OF IOWA, DEPARTMENT OF BIOCHEMISTRY, IOWA CITY, IOWA. Oligosaccharide synthesis and glycosyl rearrangements.
- RO1GM-19103-03 (MCHA) BERCHTOLD, GLENN A, MASSACHUSETTS INST OF TECH, ROOM 18-211, CAMBRIDGE, MASS. Investigations of metabolic systems (plants).
- RO1GM-19107-02 (SOYB) LIU, Y KING, TULANE UNIV SCH OF MEDICINE, 1430 TULANE AVENUE, NEW ORLEANS, LA. The traumatology of the head and spine (human, monkeys).
- RO1GM-19108-03 (MCHA) ZEMLICKA, JIRI, MICHIGAN CANCER FOUNDATION, 110 E WARREN AVENUE, DETROIT, MICH. New tools for investigation of protein biosynthesis (bacteria).
- RO1GM-19111-03 (MCHA) CHLADIK, STANISLAV, MICHIGAN CANCER FOUNDATION, 110 E WARREN AVENUE, DETROIT, MICH. Peptidyl transferase recognition sites.
- RO1GM-19118-03 (BBCA) KRAKAUER, HENRY, WASHINGTON STATE UNIVERSITY, DEPT OF CHEMISTRY, PULLMAN, WASH. Katoglutamate dehydrogenase complex formation (cattle, *E. coli*).

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(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-19121-03 (BIO) MARGOLIASH, EMANUEL, NORTHWESTERN UNIVERSITY, DEPARTMENT OF BIOLOGY, EVANSTON, ILL. Mitochondrial membrane metabolic role of cytochrome C (animals, fungi).
- RO1GM-19122-03 (BIO) MOSES, ROBB E, BAYLOR COLLEGE OF MEDICINE, TEXAS MEDICAL CENTER, HOUSTON, TEX. Enzymatic mechanisms of DNA synthesis (E coli).
- RO1GM-19123-03 (BIO) PENNIALI, RALPH, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N. C. Synthesis of mammalian mitochondrial hemoproteins (rats).
- RO1GM-19130-03 (GEN) KIEFER, BARRY I, WESLEYAN UNIVERSITY, DEPARTMENT OF BIOLOGY, MIDDLETOWN, CONN. Developmental genetics of spermatid differentiation (*Drosophila*).
- RO1GM-19134-08 (MCHA) SCHLEYER, PAUL V, PRINCETON UNIVERSITY, DEPT OF CHEMISTRY, PRINCETON, N. J. Organic molecules with diamond-like structures.
- RO1GM-19143-03 (BIO) SHARON, NATHAN, WEIZMANN INSTITUTE OF SCIENCE, REHOVOTH, ISRAEL. Mechanism of action of lysozyme (chickens, bacteria, human).
- RO1GM-19147-03 (BIO) JOHNSON, JOE, JR, ATLANTA UNIVERSITY, 223 CHESTNUT ST, SW, ATLANTA, GA. Eukaryotic transcription by RNA polymerase (slime molds).
- RO1GM-19154-03 (MBY) FINGER, IRVING, HAVERFORD COLLEGE, HAVERFORD, PA. Control of surface protein synthesis (microorganisms).
- RO1GM-19156-02 (MCHB) PAULINO, LINUS C, CHEM DEPT, STANFORD UNIV, STANFORD, CALIF. Medical diagnosis by field ionization spectrometry.
- RO1GM-19163-01 (BIO) LEE, JOHN W, DEPT OF BIOCHEMISTRY, UNIV OF GEORGIA, ATHENS, GA. Applications and mechanisms of bacterial bioluminescence.
- RO1GM-19165-02 (GEN) LING, HUBERT, UNIVERSITY OF DELAWARE, DEPT OF BIOLOGICAL SCIENCES, NEWARK, DEL. Genetics of somatic cell fusion in a myxomycete.
- RO1GM-19167-03 (MBC) BOYCE, RICHARD P, UNIVERSITY OF FLORIDA, THE J HILLIS MILLER HEALTH CTR, GAINESVILLE, FLA. Function of bacterial membranes in DNA replication.
- RO1GM-19168-03 (MBC) SONENSHAIN, ABRAHAM L, DEPT OF MOLECULAR & MICROBIOL, TUFTS UNIVERSITY, BOSTON, MASS. Role of RNA polymerase in bacterial differentiation.
- RO1GM-19172-03 (TOX) TU, ANTHONY T, COLORADO STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, FORT COLLINS, COLO. Sea snake venoms and toxins (mice).
- RO1GM-19173-11 (MCHB) KATZ, THOMAS J, COLUMBIA UNIVERSITY, BOX 259 HAVEMEYER, NEW YORK, N. Y. Aromaticity and synthesis.
- RO1GM-19175-03 (GEN) MANNING, THOMAS R, KANSAS STATE UNIVERSITY, DEPARTMENT OF PHYSICS, MANHATTAN, KANS. Gene functions associated with the sexual cycle (yeast).
- RO1GM-19177-03 (BBCA) DAVIS, RONALD W, STANFORD UNIVERSITY SCH OF MED, BIOCHEMISTRY DEPARTMENT, STANFORD, CALIF. Physical mapping of point mutations in DNA (viruses).
- RO1GM-19178-03 (GEN) MERRITT, A DONALD, INDIANA UNIVERSITY MED CTR, 1100 W MICHIGAN ST, INDIANAPOLIS, IND. Genetic and biochemical studies of human amylase.
- RO1GM-19179-03 (GEN) LAIRD, CHARLES D, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ZOOLOGY, SEATTLE, WASH. Nucleotide sequence changes in evolution (*Drosophila*).
- RO1GM-19181-03 (BBCA) KUWANA, THEODORE, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Spectroelectrochemistry of bioelectron transfers.
- RO1GM-19182-02 (COM) SHAPIRO, NORMAN Z, RAND CORPORATION, 1700 MAIN STREET, SANTA MONICA, CALIF. Computer simulation of biochemical systems.
- RO1GM-19185-03 (GEN) SMITH, ISSAR, PUBLIC HLTH RES INST, 455 FIRST AVENUE, NEW YORK, N. Y. Genetics of ribosome synthesis and antibiotic resistance.
- RO1GM-19189-02 (GEN) EBERLE, HELEN I, UNIV ROCHESTER SCH OF MED & DE, DEPT RADIATION BIOLOGY & BIOPH, ROCHESTER, N. Y. Control of DNA replication (bacteria, mice).
- RO1GM-19194-03 (GEN) TARTOF, KENNETH D, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Regulation of gene replication and gene multiplicity (*Drosophila*).
- RO1GM-19195-02 (PC) GLITZ, DOMN G, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. RNA sequence analysis and base-specific antibodies.
- RO1GM-19197-03 (BIO) GLEW, ROBERT M, UNIV OF PITTSBURGH SCH OF MED, DEPT OF BIOCHEMISTRY, PITTSBURGH, PA. Mitochondrial glycoproteins-Biosynthesis and function (rats, yeasts).
- RO1GM-19198-01 (BIO) DIETZ, GEORGE W, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Active transport mechanisms in normal and tumor cells (bacteria, cell lines).
- RO1GM-19199-03 (CBY) PRESCOTT, DAVID M, UNIVERSITY OF COLORADO, MOLECULAR, CELLULAR & DEV BIOL, BOULDER, COLO. DNA of hypotrichous ciliates *Stylonychia* and *Euplotes*.
- RO1GM-19213-03 (PC) STUMPF, PAUL K, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYS, DAVIS, CALIF. Mechanisms of desaturation of fatty acids (plants).
- RO1GM-19215-03 (BIO) WEAVER, ROBERT F, UNIVERSITY OF KANSAS, DEPARTMENT OF BIOCHEMISTRY, LAWRENCE, KANS. RNA polymerase in differentiation (slime mold).
- RO1GM-19217-03 (GEN) PRAKASH, SATYA, UNIVERSITY OF ROCHESTER, DEPARTMENT OF BIOLOGY, ROCHESTER, N. Y. Gene variation in natural populations (*Drosophila*).
- RO1GM-19220-03 (MCHB) PARRY, RONALD J, BRANDEIS UNIVERSITY, DEPT OF CHEMISTRY, WALTHAM, MASS. Biosynthesis of anti-leukemic Cephalotaxus alkaloids (yeasts).
- RO1GM-19221-02 (BBCA) KAY, ROBERT L, CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Electrophoresis in biomedical system (cattle).
- RO1GM-19227-03 (END) KUSHINSKY, STANLEY, REES-STEALY CLINIC RES FDN, 2001 FOURTH AVENUE, SAN DIEGO, CALIF. Determination of steroids in blood (human).
- RO1GM-19234-03 (MCHB) MILLER, LARRY L, COLORADO STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, FORT COLLINS, COLO. Electrochemical medicinal synthesis.
- RO1GM-19236-03 (MBC) STEINBERG, WILLIAM, UNIVERSITY OF VIRGINIA, DEPARTMENT OF MICROBIOLOGY, CHARLOTTESVILLE, VA. Translational control of spora development.
- RO1GM-19240-03 (BM) MEYER, SALLY A, AMER TYPE CULTURE COLLECTION, 12301 PARKLAWN DRIVE, ROCKVILLE, MD. Molecular approaches to the taxonomy of yeasts.
- RO1GM-19241-03 (GEN) SCHAIBLE, ROBERT M, INDIANA UNIVERSITY, 925 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Developmental genetics of the dog.
- RO1GM-19242-03 (GEN) WRIGHT, THEODORE R, UNIVERSITY OF VIRGINIA, DEPARTMENT OF BIOLOGY, CHARLOTTESVILLE, VA. Ontogeny and the genetic control of enzyme activity (*Drosophila*).
- RO1GM-19247-03 (CBY) QUATRANO, RALPH S, OREGON STATE UNIVERSITY, DEPT OF BOTANY, CORVALLIS, OREG. Biochemical basis for establishment of cell polarity (algae).
- RO1GM-19248-02 (COM) SALWIEN, MARTIN J, MONMOUTH MEDICAL CENTER, THIRD & PAVILION AVENUE, LONG BRANCH, N. J. System for positive identification of specimens.
- RO1GM-19251-05 (MCHA) JEFFS, PETER W, DUKE UNIVERSITY, P M GROSS LABORATORY, DURHAM, N. C. Biosynthetic studies of mesembrine.
- RO1GM-19252-06 (MCHA) KIELY, DONALD E, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Chemical studies related to cycitol biosynthesis.
- RO1GM-19256-03 (MCHB) HOLM, RICHARD M, MASS INST OF TECHNOLOGY, DEPT OF CHEMISTRY, CAMBRIDGE, MASS. Biologically related iron-sulfur chemistry.
- RO1GM-19258-02 (GEN) GOLDSTEIN, JOSEPH L, UNIV OF TEXAS-SW MED SCHOOL, 5323 HARRY HINES BLVD, DALLAS, TEX. Regulation of gene expression by sex hormones (human, mice, chickens).
- RO1GM-19261-03 (GEN) PRAKASH, LOUISE, DEPT OF RAD BIO & BIOPHYSICS, UNIVERSITY OF ROCHESTER, ROCHESTER, N. Y. Repair of damaged DNA and mutagenesis in yeast.
- RO1GM-19267-03 (BBCB) KUNTZ, IRWIN D, JR, DEPT OF PHARMACEUTICAL CHEM, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Hydration of macromolecules (bacteria, viruses).
- RO1GM-19269-08 (BIO) GUNLORY, RICHARD J, UNIVERSITY OF HAWAII, 2538 THE MALL, SNYDER HALL 407, HONOLULU, HAWAII. Membrane interactions in energy-linked reactions (bacteria).
- RO1GM-19271-01 (BIO) LI, HENG-CHUM, MOUNT SINAI SCHOOL OF MEDICINE, 10 EAST 102ND STREET, NEW YORK, N. Y. The amide transferases (bacteria, chicken).
- RO1GM-19272-01 (CBY) WALTERS, MARTA S, SANTA BARBARA BOTANIC GARDEN, 1212 MISSION CANYON RD, SANTA BARBARA, CALIF. Meiosis-A revised sequence of events in prophase (lilies).
- RO1GM-19275-03 (HEM) GRINER, PAUL F, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Studies of warfarin-drug interactions (human, dogs).
- RO1GM-19289-03 (CBY) SPOONER, BRIAN S, KANSAS STATE UNIVERSITY, DIV OF BIOLOGY, ACKERT HALL, MANHATTAN, KANS. Microfilaments, morphogenesis, and cytodifferentiation.
- RO1GM-19290-03 (GEN) ORIAS, EDUARDO, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL SCIENCES, SAN BARBARA, CALIF. Conditional lethal mutants of *Tetrahymena*.
- RO1GM-19301-03 (BIO) TAYLOR, SUSAN S, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Protein kinase-Structure and c-AMP interaction (pig).
- RO1GM-19302-03 (BIO) CHANG, PONG M, TEMPLE UNIVERSITY, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Bacterial ribosome biosynthesis and RNA minor bases.
- RO1GM-19304-03 (BIO) HOWELL, LARRY G, UNIV OF SOUTH FLORIDA, CHEMISTRY DEPARTMENT, TAMPA, FLA. Regulation of bacterial aromatic hydroxylases (*Pseudomonas* fluorescence).
- RO1GM-19307-08 (SS) POSTLETHWAIT, JOHN M, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG. Genetic control systems in *Drosophila* development.
- RO1GM-19308-03 (MBC) BRODY, STUART, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Membrane mutants of *Neurospora*.
- RO1GM-19310-03 (MBC) PRINON, RAMON, JR, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Molecular aspects of genetic recombination.
- RO1GM-19311-03 (MCHA) DURBIN, RICHARD D, UNIVERSITY OF WISCONSIN, 425 NORTH CHARTER STREET, MADISON, WIS. Synthesis, conformation, and mode of action of tenoxin (plants).
- RO1GM-19312-03 (MCHA) DURBIN, RICHARD D, UNIVERSITY OF WISCONSIN, 789 RUSSELL LABS, MADISON, WIS. Characterization of host-specific toxins (fungi, oats).
- RO1GM-19313-03 (BBCB) KEARNS, DAVID R, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, RIVERSIDE, CALIF. High resolution NMR study of the structure of t-RNA.
- RO1GM-19319-03 (PC) LANGDOM, ROBERT G, UNIV OF VIRGINIA SCHOOL OF MED, DEPT OF BIOCHEMISTRY, CHARLOTTESVILLE, VA. Structure of biological membranes (rats, human).
- RO1GM-19822-03 (PTHA) HENSON, PETER M, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT ST, LA JOLLA, CALIF. Release of injurious constituents from cells (rabbits, human).
- RO1GM-19328-03 (SGYA) LEVINSON, STANLEY M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Burn debridement-Chemical, enzymatic, CO2 laser (human, swine, dogs, rats).
- RO1GM-19330-03 (GEN) ROTH, ROBERT M, ILLINOIS INSTITUTE OF TECHNOLOGY, 3101 S DEARBORN STREET, CHICAGO, ILL. Genetic control of replication during meiosis (yeast).
- RO1GM-19331-01 (GEN) PAVAN, CROWDOWALDO, DEPT OF ZOOLOGY, UNIV OF TEXAS, AUSTIN, TEX. Chromosome and gene activity in *Sciarae* (gnats).
- RO1GM-19334-02 (MBY) OLINS, DONALD E, UNIVERSITY OF TENNESSEE, P O BOX Y, BIOLOGY DIV, ORNL, OAK RIDGE, TENN. Physical properties of isolated nuclei and chromosomes (rats, chickens).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1GM-19335-01 (MCHB) GOLDBERG, STANLEY I, LOUISIANA STATE UNIVERSITY, LAKEFRONT CAMPUS, NEW ORLEANS, LA. Stereochemical criteria for micelle-enzyme analogy.
- RO1GM-19336-03 (BBCA) PAUL, IAIN C, UNIVERSITY OF ILLINOIS, W A NOYES CHEMICAL LAB, URBANA, ILL. X-ray studies on biologically important molecules (fungi, plants).
- RO1GM-19338-01 (BBCA) JORDAN, FRANK, RUTGERS, THE STATE UNIVERSITY, 73 WARREN STREET, NEWARK, N. J. Total approach to nucleoside conformational analysis.
- RO1GM-19351-03 (PC) FOURNIER, MAURILE J, JR, DEPT OF BIOCHEMISTRY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Biosynthesis of transfer ribonucleic acid (E coli).
- RO1GM-19357-03 (BBCA) DAVIS, ROBERT C, UNIVERSITY OF PENNSYLVANIA, 3301 SPRUCE STREET, PHILADELPHIA, PA. Spectroscopic studies of metalloenzymes.
- RO1GM-19362-06 (BBCA) BURR, JOHN G, UNIVERSITY OF OKLAHOMA, DEPARTMENT OF CHEMISTRY, NORMAN, OKLA. Biological importance of pyrimidine photohydrates.
- RO1GM-19363-10 (CBY) GERHART, JOHN C, UNIVERSITY OF CALIFORNIA, VIRUS LABORATORY, BERKELEY, CALIF. Studies of cellular regulatory mechanisms (Drosophila).
- RO1GM-19364-03 (BBCB) BERLINER, LAWRENCE J, DEPT OF CHEMISTRY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Spin-label investigation of enzyme conformation.
- RO1GM-19374-03 (GEN) KELLEY, WILLIAM S, CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Episomal and chromosomal DNA replication (bacteria).
- RO1GM-19375-03 (GEN) KENNEL, DAVID E, WASHINGTON UNIV SCH OF MED, BOX 8093, ST LOUIS, MO. Control of enzyme activity in mammalian cells (hamsters, Escherichia coli).
- RO1GM-19378-02 (MBY) CRAIG, NESSLY C, UNIVERSITY OF MARYLAND, 5401 WILKENS AVENUE, BALTIMORE, MD. Regulation of the production of mammalian ribosomes (mouse L-cells).
- RO1GM-19386-03 (BIO) COOPER, TERRANCE G, UNIVERSITY OF PITTSBURGH, DEPT OF BIOCHEMISTRY, PITTSBURGH, PA. Synthesis and assembly of enzymes in eukaryotes (yeast).
- RO1GM-19388-03 (BIO) MIRSKY, RHONA P, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF BIOCHEMISTRY, HANOVER, N. H. Chemical and immunological studies of membrane ATPase (Bacillus megaterium).
- RO1GM-19390-03 (CBY) COHEN, ROBERT J, UNIVERSITY OF FLORIDA, BOX 724, MED SCIENCES BLDG, GAINESVILLE, FLA. Biochemistry of a response system of Phycomyces.
- RO1GM-19394-02 (BIO) KIRTLEY, MARY E, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Membrane bound and soluble glycolytic enzymes (human, rabbit).
- RO1GM-19395-03 (BIO) GILHAM, PETER T, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCI, LAFAYETTE, IND. Synthesis of polyribonucleotides of defined sequence.
- RO1GM-19398-01 (CBY) BRAMB, ROBERT M, UNIVERSITY OF MINNESOTA, DEPT OF PLANT PATHOLOGY, ST PAUL, MINN. Fungal spore germination and mitochondrial biogenesis.
- RO1GM-19406-03 (GEN) KUNG, CHING, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL SCI, SANTA BARBARA, CALIF. Genetic dissection of cilia and membrane (paramoecia).
- RO1GM-19409-03 (GEN) ARCENEAUX, JOSEPH L, UNIVERSITY OF MISSISSIPPI, 2500 N STATE STREET, JACKSON, MISS. Genetic analysis of the replication-initiation region (bacteria).
- RO1GM-19410-03 (GEN) EDWARDS, DAVID L, STATE UNIVERSITY OF NEW YORK, DEPT OF BIOLOGICAL SCI, ALBANY, N. Y. Molecular genetics of membrane assembly in Neurospora.
- RO1GM-19412-03 (GEN) SADLER, JOHN R, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Basis of specificity in protein-nucleic acid interaction (E coli).
- RO1GM-19413-01 (GEN) LEVINTHAL, MARK, DEPT OF BIOLOGICAL SCIENCES, PURDUE UNIV, LAFAYETTE, IND. Origin and replication of pi-histidine factor (Salmonella).
- RO1GM-19416-03 (GEN) HOCH, JAMES A, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT ST, LA JOLLA, CALIF. Genetic control of development (bacteria).
- RO1GM-19419-03 (SOYA) WOLFSON, SIDNEY K, JR, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. Bioautofuel cell-implantable direct energy converter (baboons).
- RO1GM-19420-03 (MET) TEPHLY, THOMAS R, UNIVERSITY OF IOWA, DEPT OF PHARMACOLOGY, IOWA CITY, IOWA. Methanol metabolism in human tissues in vitro (also rats, monkeys).
- RO1GM-19422-03 (GEN) ALTMAN, SIDNEY, YALE UNIVERSITY, DEPT OF BIOLOGY, KBT, NEW HAVEN, CONN. Precursors, mutants, and function of tRNA (E coli).
- RO1GM-19423-03 (GEN) BEENCHLEY, JEAN E, PENNSYLVANIA STATE UNIVERSITY, S101 FREAR BUILDING, UNIVERSITY PARK, PA. Characterization of tRNA maturation mutants (bacteria).
- RO1GM-19427-03 (GEN) BOYNTON, JOHN E, DUKE UNIVERSITY, DEPARTMENT OF BOTANY, DURHAM, N. C. Hereditary control of organelle structure and function (algae).
- PO1GM-19428-03 (GMP) EDEN, MURRAY, MASSACHUSETTS INST OF TECH, 77 MASS AVE ROOM 200 219, CAMBRIDGE, MASS. Computer aided biomedical pattern recognition.
- PO1GM-19428-03 0001 (GMP) YOUNG, IAN T. Computer aided biomedical pattern recognition-Quantitative cellular anatomy of white cells (human).
- PO1GM-19428-03 0002 (GMP) YOUNG, IAN T. Computer aided biomedical pattern recognition-Differential cell identification of white cells (human).
- PO1GM-19428-03 0003 (GMP) YOUNG, IAN T. Computer aided biomedical pattern recognition-Adhesiveness of white blood cells (human).
- PO1GM-19428-03 0004 (GMP) OZONOFF, DAVID M. Computer aided biomedical pattern recognition-Standardization of red cell features, especially hemoglobin, (human).
- PO1GM-19428-03 0005 (GMP) OZONOFF, DAVID M. Computer aided biomedical pattern recognition-Technical improvements in red cell studies (human).
- PO1GM-19428-03 0006 (GMP) OZONOFF, DAVID M. Computer aided biomedical pattern recognition-Characteristics of normal red cell population (human).
- PO1GM-19428-03 0007 (GMP) OZONOFF, DAVID M. Computer aided biomedical pattern recognition-Quantitative measures of red cells for anemia (human).
- PO1GM-19428-03 0008 (GMP) EDEN, MURRAY. Computer aided biomedical pattern recognition-Morphology of red cells as a function of age (mammals).
- PO1GM-19428-03 0009 (GMP) EDEN, MURRAY. Computer aided biomedical pattern recognition-Screening for malarial parasites in red cells (human).
- PO1GM-19428-03 0010 (GMP) GRANLUND, GOESTA H. Computer aided biomedical pattern recognition-Identification of human chromosomes.
- PO1GM-19428-03 0011 (GMP) BLESSER, RARRY A. Computer aided biomedical pattern recognition-Diagnostic radiology (human).
- PO1GM-19428-03 0012 (GMP) SCHREIBER, WILLIAM F. Computer aided biomedical pattern recognition-Precise duplication and transmission of radiographs (human).
- PO1GM-19428-03 0013 (GMP) TRETIAK, OLEH J. Computer aided biomedical pattern recognition-Three dimensional reconstruction in radiology (human).
- PO1GM-19428-03 0014 (GMP) HUANG, THOMAS. Computer aided biomedical pattern recognition-Enhancement of biological images.
- RO1GM-19439-03 (GEN) GLASER, DONALD A, UNIVERSITY OF CALIFORNIA, 118 CALIFORNIA HALL, BERKELEY, CALIF. Genetic control of cell physiology and structure (bacteria).
- RO1GM-19442-03 (PC) GUAMPORT, RICHARD I, UNIVERSITY OF ILLINOIS, DEPARTMENT OF BIOCHEMISTRY, URBANA, ILL. Function and mechanism of DNA ligase (E coli).
- PO1GM-19443-03 (SSS) HIRSCHHORN, KURT, MOUNT SINAI SCH OF MEDICINE, 100TH ST & FIFTH AVE, NEW YORK, N. Y. Problems in clinical genetics.
- PO1GM-19443-03 0001 (SSS) GRIBETZ, DONALD. Problems in clinical genetics-Hereditary nephritis.
- PO1GM-19443-03 0003 (SSS) SAFIR, ARAN. Problems in clinical genetics-Racial distribution and genetics of refractive errors.
- PO1GM-19443-03 0006 (SSS) HIRSCHHORN, KURT. Problems in clinical genetics-Impact and consequences of genetic counselling.
- PO1GM-19443-03 0008 (SSS) HAHN, JACK. Problems in clinical genetics-Files and computers.
- PO1GM-19443-03 0009 (SSS) HSU, LILLIAN. Problems in clinical genetics-Cytogenetics.
- PO1GM-19443-03 0013 (SSS) PAPAGEORGIO, P. Problems in clinical genetics-Long term lymphoid cell lines.
- PO1GM-19443-03 0022 (SSS) GAUL, GERALD. Problems in clinical genetics-Aminoacidurias (human, monkeys).
- PO1GM-19443-03 0023 (SSS) GITLOW, STANLEY. Problems in clinical genetics-Catecholamines in familial dysautonomia.
- PO1GM-19443-03 0024 (SSS) GITLOW, STANLEY. Problems in clinical genetics-Catecholamines in essential hypertension (human).
- PO1GM-19443-03 0025 (SSS) FOX, HOWARD. Problems in clinical genetics-Role of surfactant in the respiratory distress syndrome of the newborn (human).
- PO1GM-19443-03 0028 (SSS) BERATIS, NICHOLAS. Problems in clinical genetics-Library of cell lines.
- PO1GM-19443-03 0029 (SSS) CONOVER, JAMES. Problems in clinical genetics-Cystic fibrosis (human, rabbits).
- PO1GM-19443-03 0033 (SSS) ROSENFELD, RICHARD. Problems in clinical genetics-Red blood cell antigens.
- PO1GM-19443-03 0034 (SSS) HIRSCHHORN, KURT. Problems in clinical genetics-The XY syndrome (Copenhagen, Denmark).
- PO1GM-19443-03 0035 (SSS) GLADE, PHILIP. Problems in clinical genetics-Cell-mediated immune defects in chronic mucocutaneous candidiasis (human).
- PO1GM-19443-03 0036 (SSS) GLADE, PHILIP. Problems in clinical genetics-Therapeutic approaches to the syndrome of combined immunodeficiency (human).
- PO1GM-19443-03 0038 (SSS) GLADE, PHILIP. Problems in clinical genetics-Radioimmunoassay.
- PO1GM-19443-03 0039 (SSS) BERATIS, NICHOLAS. Problems in clinical genetics-Marotax-Lamy syndrome.
- PO1GM-19443-03 0040 (SSS) BERATIS, NICHOLAS. Problems in clinical genetics-Fucosidosis.
- PO1GM-19443-03 0041 (SSS) BERATIS, NICHOLAS. Problems in clinical genetics-Gaucher's disease (human).
- PO1GM-19443-03 0042 (SSS) BERATIS, NICHOLAS. Problems in clinical genetics-Hurler's syndrome (human).
- PO1GM-19443-03 0043 (SSS) PRICE, PETER. Problems in clinical genetics-Onco-genic human viruses.
- RO1GM-19448-02 (BBCA) WESTHAUS, PAUL A, OKLAHOMA STATE UNIVERSITY, PHYSICS DEPARTMENT, STILLWATER, OKLA. Effective interactions in large molecules.
- RO1GM-19452-01 (BBCB) GLAESER, ROBERT M, DONNER LABORATORY, UNIV OF CALIFORNIA, BERKELEY, CALIF. Electron crystallography of biological structures.
- RO1GM-19455-02 (BBCB) COTTON, F ALBERT, TEXAS A&M UNIVERSITY, DEPT OF CHEMISTRY, COLLEGE STATION, TEX. Structure of a micrococcal nuclease (also cattle, human).
- RO1GM-19458-03 (BIO) BRANDT, KARL G, PURDUE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, LAFAYETTE, IND 47907. Electron transfer in pyruvate dehydrogenase complex (swine, microorganisms).
- RO1GM-19464-03 (CBY) SCHROEDER, THOMAS E, UNIVERSITY OF WASHINGTON, FRIDAY HARBOR LABORATORIES, FRIDAY HARBOR, WASH. Ultrastructure and biochemistry of contractile ring (plants, animals, human).
- RO1GM-19478-03 (MCHB) KARMEN, ARTHUR, ALBERT GINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Microanalysis using gas chromatography.
- RO1GM-19481-02 (GEN) ADELBERG, EDWARD A, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Gene transfer in cultured mammalian cells (human, mice).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1GM-19483-05 (MBC) FAN, DAVID P. DEPT OF GENETICS & CELL BIO. UNIVERSITY OF ST PAUL, MINN. Cell growth and division.
- RO1GM-19484-03 (MAY) EVANS, HELEN H. CASE WESTERN RESERVE UNIVERSIT. 2065 ADELBERT ROAD, CLEVELAND, OHIO. Control of DNA replication in a eukaryote (silene mold).
- RO1GM-19488-17 (MCHA) WHITE, EMIL H. JOHNS HOPKINS UNIVERSITY, 34TH AND CHARLES STREETS, BALTIMORE, MD. Chemi- and bioluminescence.
- PO1GM-19489-03 (SSS) BOYER, SAMUEL H. DIV OF MEDICAL GENETICS, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Study of human genetics.
- PO1GM-19489-03 0001 (SSS) SCOTT, CHARLES I. Study of human genetics-Registry of bone dysplasias.
- PO1GM-19489-03 0002 (SSS) LINDSTROM, JANICE. Study of human genetics-Neurologic aspects of achondroplasia.
- PO1GM-19489-03 0003 (SSS) JORGENSON, RONALD J. Study of human genetics-Craniofacial characteristics of heritable disorders of connective tissue.
- PO1GM-19489-03 0004 (SSS) MURPHY, EDMOND A. Study of human genetics-Estimating the background contribution to Mendelian metrical traits.
- PO1GM-19489-03 0005 (SSS) ELLIOT, DOROTHY E. Study of human genetics-Norms for skeletal development in achondroplasia and pseudanthoma elasticum.
- PO1GM-19489-03 0006 (SSS) SUSSMAN MICHAEL D. Study of human genetics-Biochemical abnormalities in the Ehlers-Danlos syndrome.
- PO1GM-19489-03 0007 (SSS) LIE, SVERRRE O. Study of human genetics-The basic defect in the Marquio syndrome.
- PO1GM-19489-03 0008 (SSS) LIE, SVERRRE O. Study of human genetics-Cartilage and chondrocytes from chondrodystrophies.
- PO1GM-19489-03 0009 (SSS) DOTY, STEPHEN P. Study of human genetics-Light and electron microscopy of bone and cartilage in skeletal dysplasias.
- PO1GM-19489-03 0010 (SSS) BOYER, SAMUEL H. Study of human genetics-Role of homocysteine in pathogenesis of homocystinuria.
- PO1GM-19489-03 0011 (SSS) FINLAYSON, G. ROLLAND. Study of human genetics-Structure of intrafibroblastic collagen (mice, human).
- PO1GM-19489-03 0012 (SSS) HUSSLELS, IRENE E. Study of human genetics-Treatment of the mucopolysaccharidoses by plasma.
- PO1GM-19489-03 0013 (SSS) SENSENBRENNER, JUDITH A. Study of human genetics-Treatment of homocystinuria with vitamin B6.
- PO1GM-19489-03 0014 (SSS) KOPITZ, STEVEN E. Study of human genetics-Delineation and management of atlanto-axial subluxation in skeletal dysplasias.
- PO1GM-19489-03 0015 (SSS) BIAS, WILMA B. Study of human genetics-Mapping the chromosomes of man.
- PO1GM-19489-03 0016 (SSS) BIAS, WILMA B. Study of human genetics-Search for new HL-A antisera.
- PO1GM-19489-03 0017 (SSS) BOYER, SAMUEL H. Study of human genetics-Detection of new marker traits in man.
- PO1GM-19489-03 0018 (SSS) CHASE, GARY A. Study of human genetics-Linkage study of beta hemoglobin locus.
- PO1GM-19489-03 0019 (SSS) COHEN, BERNICE H. Study of human genetics-Genetic linkage of Pi system (alpha-antitrypsin).
- PO1GM-19489-03 0020 (SSS) CHASE, GRAY A. Study of human genetics-Genetic linkage studies with deleterious autosomal dominant phenotypes.
- PO1GM-19489-03 0021 (SSS) CHASE, GRAY A. Study of human genetics-Linkage study of Tay-Sachs disease locus.
- PO1GM-19489-03 0022 (SSS) LICHTENSTERN, JACK R. Study of human genetics-Linkage analysis in the Ellis-van Creveld syndrome.
- PO1GM-19489-03 0023 (SSS) BOROANIKAR, D S. Study of human genetics-Gene assignment by study of chromosome variants.
- PO1GM-19489-03 0024 (SSS) PEARSON, PETER L. Study of human genetics-Linkage and gene assignment by cell hybridization.
- PO1GM-19489-03 0025 (SSS) MCKUSICK, VICTOR A. Study of human genetics-Population dynamics of pathologic genes.
- PO1GM-19489-03 0026 (SSS) LICHTENSTERN, JACK R. Study of human genetics-Dwarfism in the Amish.
- PO1GM-19489-03 0027 (SSS) BIAS, WILMA B. Study of human genetics-Immunogenetic studies in the Amish.
- PO1GM-19489-03 0028 (SSS) SIGGERS, DAVID C. Study of human genetics-The role of nerve growth factor in familial dysautonomia.
- PO1GM-19489-03 0029 (SSS) MURPHY, EDMOND A. Study of human genetics-Theory, applications and consequences of genetic counseling.
- PO1GM-19489-03 0030 (SSS) HUSSLELS, IRENE E. Study of human genetics-Family organized medical record system (FOMERS).
- PO1GM-19489-03 0031 (SSS) CHASE, GRAY A. Study of human genetics-Quantitation of clinical evidence.
- PO1GM-19489-03 0032 (SSS) CONLEY, C LOCKARD. Study of human genetics-Hemoglobinopathies, particularly sickle cell anemia.
- RO1GM-19494-03 (BIO) BLATTI, STANLEY P. UNIVERSITY OF TEX MED SCH, 102 JESSE H JONES LIBRARY BLDG, HOUSTON, TEX. Molecular basis of gene expression in eukaryotes (viruses, cattle).
- RO1GM-19499-03 (MBC) NELSON, DAVID L. UNIVERSITY OF WISCONSIN, DEPT OF BIOCHEMISTRY, MADISON, WIS. Membrane differentiation in bacteria.
- RO1GM-19504-02 (PC) HAAMPFEL, ARNOLD E. NORTHERN ILLINOIS UNIVERSITY, BIOLOGICAL SCI DEPARTMENT, DE KALB, ILL. Low molecular weight RNAs of CHO tissue culture cells (hamster).
- RO1GM-19507-03 (PC) ROYER, GARFIELD P. OHIO STATE UNIVERSITY, 484 W 12TH AVENUE, COLUMBUS, OHIO. Application of immobilized enzymes in protein chemistry.
- RO1GM-19508-03 (PC) PISZKIEWICZ, DENNIS, UNIVERSITY OF CALIFORNIA, CALIF COLLEGE OF MEDICINE, IRVINE, CALIF. Structures of aminoacyl-tRNA synthetases (E coli).
- RO1GM-19511-03 (MBC) DE MOSS, JOHN A. UNIVERSITY OF TEXAS, 6400 W CULLEN, TEXAS MEDICAL C, HOUSTON, TEX. Assembly of a membrane-bound multi-enzyme complex.
- PO1GM-19513-03 (SSS) SHAW, MARGERY W. GENETICS CTR, U OF TEXAS, 6420 LAMAR FLEMING BLVD, HOUSTON, TEX. Human genetics.
- PO1GM-19513-03 0001 (SSS) HOWELL, R RODNEY. Human genetics-Clinical genetics.
- PO1GM-19513-03 0002 (SSS) HOWELL, R RODNEY. Human genetics-New biochemical tools in genetic diagnosis.
- PO1GM-19513-03 0003 (SSS) KNUDSON, ALFRED G. Human genetics-Leukocyte transfusions in storage diseases.
- PO1GM-19513-03 0005 (SSS) SHAW, MARGERY W. Human genetics-Structure and function of chromosomes.
- PO1GM-19513-03 0007 (SSS) SHAEFFER, JOSEPH R. Human genetics-Control of hemoglobin synthesis in A/S heterozygotes.
- PO1GM-19513-03 0009 (SSS) SCHULL, WILLIAM J. Human genetics-Genetics registry and records library.
- PO1GM-19513-03 0010 (SSS) SCHULL, WILLIAM J. Human genetics-Incidence and prevalence of inherited disease.
- PO1GM-19513-03 0012 (SSS) SCHULL, WILLIAM J. Human genetics-Genetic effects of family planning and limitation.
- PO1GM-19513-03 0013 (SSS) ANDERSON, DAVID E. Human genetics-Role of germinal mutations in cancer.
- PO1GM-19513-03 0015 (SSS) STUBBLEFIELD, T ELTON. Human genetics-Genetics of malignant cells (human, mice).
- PO1GM-19513-03 0017 (SSS) SACILIANO, MICHAEL J. Human genetics-Fish-hybrid melanoma control, a cancer genetics model (platyfish, sword-tail).
- PO1GM-19513-03 0018 (SSS) SHAW, MARGERY W. Human genetics-Legal genetics.
- PO1GM-19513-03 0019 (SSS) KNUDSON, ALFRED G. Human genetics-Nature of germinal and somatic mutations in cancer.
- RO1GM-19519-03 (CBY) LOEBLICH, ALFRED R, 3D, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Characterization of dinoflagellate DNA.
- PO1GM-19521-03 (SSS) PAJGEN, KENNETH, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Genetic study of mammalian control systems.
- PO1GM-19521-03 0001 (SSS) DOYLE, DARRYL. Genetic study of mammalian control systems-Genetic control of enzyme level (mice, human).
- PO1GM-19521-03 0002 (SSS) PAJGEN, KENNETH. Genetic study of mammalian control systems-Properties of single lysosomes and membrane fragments (mice, human).
- PO1GM-19521-03 0002 (SSS) PAJGEN, KENNETH. Genetic study of mammalian control systems-Glucuronidase induction (mice).
- PO1GM-19521-03 0004 (SSS) PAJGEN, KENNETH. Genetic study of mammalian control systems-Control of beta galactosidase (mice).
- PO1GM-19521-03 0005 (SSS) WUDL, Genetic study of mammalian control systems-Studies of early embryos (human, mice).
- PO1GM-19521-03 0006 (SSS) PAJGEN, KENNETH. Genetic study of mammalian control systems-Somatic cell genetics of lysosomal enzymes (mice, human).
- PO1GM-19521-03 0007 (SSS) SWANK, RICHARD. Genetic study of mammalian control systems-Subcellular localization of lysosomal enzymes (mice).
- PO1GM-19521-03 0008 (SSS) TOMINO, S. Genetic study of mammalian control systems-Physical and chemical studies of lysosomal enzymes (mice, human).
- PO1GM-19521-03 0009 (SSS) HULLAR, THEODORE L. Genetic study of mammalian control systems-Chemical synthesis of reagents and substrates.
- RO1GM-19526-03 (PC) PONTREMOLI, SANDRO, ISTITUTO DI CHIMICA BIOLOGICA, VIALE BENEDETTO XV, 1, 16132 GENOVA, ITALY. Active sites of enzymes (rabbits, fungi).
- PO1GM-19527-03 (SSS) EPSTEIN, CHARLES J. UNIVERSITY OF CALIFORNIA, DEPT OF PEDIATRICS, SAN FRANCISCO, CALIF. Human genetics.
- PO1GM-19527-03 0001 (SSS) EPSTEIN, CHARLES J. Human genetics-Genetic defects affecting development (mice, sheep).
- PO1GM-19527-03 0002 (SSS) GRUMBACH, MELVIN M. Human genetics-Cytogenetic and metabolic aspects of sex chromosome abnormalities.
- PO1GM-19527-03 0003 (SSS) MARTIN, DAVID M, JR.. Human genetics-Genetic regulation of mammalian purine metabolism.
- PO1GM-19527-03 0004 (SSS) WILLIAMS, HIBBARD E. Human genetics-Chronic alcoholism (human, rats).
- PO1GM-19527-03 0005 (SSS) TOMKINS, GORDON M. Human genetics-Control of specific gene expression (rodents, human).
- PO1GM-19527-03 0005 (SSS) RUTTER, WILLIAM J. Human genetics-Growth and differentiation of exocrine and endocrine pancreas.
- RO1GM-19536-02 (CBY) HASTINGS, JOHN W, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Molecular and cellular mechanisms of biological rhythms (dinoflagellates).
- RO1GM-19537-03 (CBY) BOUCK, GEORGE B, UNIVERSITY OF ILLINOIS, BIOLOGY DEPARTMENT, CHICAGO, ILL. Structural and functional organelle interactions (algae, protozoa).
- RO1GM-19543-02 (GEN) LOOMIS, WILLIAM F, JR, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGY, LA JOLLA, CALIF. Genetic regulation of development in dictyostelium.
- RO1GM-19548-03 (PHY) HOROWITZ, SAMUEL B, MICHIGAN CANCER FOUNDATION, 110 E WARREN AVE, DETROIT, MICH. Regulation of nuclear-cytoplasmic solute transport (salamanders).
- RO1GM-19550-01 (BBCA) ZIMMERMAN, JAMES K, CLEMSON UNIVERSITY, 124 BRACKETT HALL, CLEMSON, S C. Pyruvate kinase studies using direct gel scanning (human, E coli).
- RO1GM-19554-02 (MCHB) MOSHER, HARRY S, STANFORD UNIVERSITY, DEPT OF CHEMISTRY, STANFORD, CALIF. Chiral hydride transfer agents.
- RO1GM-19557-01 (MCHA) POULTER, C DALE, DEPT OF CHEMISTRY, UNIV OF UTAH, SALT LAKE CITY, UTAH. Model studies of squalene biosynthesis.
- RO1GM-19559-02 (MBC) PARKINSON, JOHN S, UNIVERSITY OF UTAH, DEPT OF BIOLOGY, SALT LAKE CITY, UTAH. Genetic and molecular studies of bacterial behavior (E coli).
- RO1GM-19562-07 (BIO) MITCHELL, ROBERT A, WAYNE STATE UNIVERSITY, 550 E CANFIELD, DETROIT, MICH. Pathways for ATP synthesis and utilization.
- RO1GM-19564-03 (BIO) ARPIN, STUART M, UNIVERSITY OF CALIFORNIA, CALIFORNIA COLL OF MEDICINE, IRVINE, CALIF. Enzymology of isoleucine and valine biosynthesis (bacteria).
- RO1GM-19566-06 (MCHA) STEVENSON, ROBERT, BRANDEIS UNIVERSITY, DEPT OF CHEMISTRY, WALTHAM, MASS. Synthesis of lignans and related products.
- RO1GM-19568-07 (PHRA) LEVY, GERHARD, STATE UNIVERSITY OF N Y, HEALTH SCIENCES BLDG, BUFFALO, N Y. Pharmacokinetics and salicylate elimination in children.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-19571-02 (SGYB) CURRERI, P WILLIAM, UNIVERSITY OF TEX SW MED SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Metabolism and nutrition in burns and trauma (human, rats).
- RO1GM-19582-02 (GEN) MAGUIRE, MARJORIE P, UNIVERSITY OF TEXAS, 629 PATTERSON LABORATORY, AUSTIN, TEX. Chromosome structure and meiotic mechanism (Stars).
- RO1GM-19583-01 (GEN) WOOLF, CHARLES M, ARIZONA STATE UNIVERSITY, DEPT OF ZOOLOGY, TEMPE, ARIZ. Behavior genetics-Phototaxis-geotaxis in *Drosophila*.
- RO1GM-19595-02 (BIO) DILLEY, RICHARD A, PURDUE UNIVERSITY, 3720, WEST LAFAYETTE, IND. Chemical modification of energy transducing membrane (plants).
- PO1GM-19599-02 (GMP) GRAVENSTEIN, JOACHIM S, UNIV HOSP-CASE WESTRN RES UNIV, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Surveillance and predictive diagnosis in surgical patients.
- PO1GM-19599-02 0001 (GMP) OSTRANDER, LEE E. Surveillance and predictive diagnosis in surgical patients-Pulmonary function-Shunt and dead space (human, dogs).
- PO1GM-19599-02 0002 (GMP) SCHNEIDER, ARTHUR J. Surveillance and predictive diagnosis in surgical patients-Work of breathing team (dogs, human).
- PO1GM-19599-02 0003 (GMP) GORSKY, BENJAMIN H. Surveillance and predictive diagnosis in surgical patients-Pulmonary gas trapping (dogs).
- PO1GM-19599-02 0004 (GMP) ERNST, EDWARD A. Surveillance and predictive diagnosis in surgical patients-Tissue perfusion studies (dogs, human).
- PO1GM-19599-02 0005 (GMP) ANDERSON, NIKAAN, B. Surveillance and predictive diagnosis in surgical patients-Cardiac function (human).
- PO1GM-19599-02 0007 (GMP) MORTIMER, J THOMAS. Surveillance and predictive diagnosis in surgical patients-Neuromuscular junction studies (human, cats).
- PO1GM-19599-02 0003 (GMP) NULSEN, FRANK. Surveillance and predictive diagnosis in surgical patients-Central nervous system-Clinical (human, cats).
- PO1GM-19599-02 0009 (GMP) KO, WEN H. Surveillance and predictive diagnosis in surgical patients-Instrumentation development team.
- PO1GM-19599-02 0011 (GMP) RATONA, PETER. Surveillance and predictive diagnosis in surgical patients-Computer software and hardware.
- PO1GM-19599-02 0012 (GMP) GRAVENSTEIN, JOACHIM S. Surveillance and predictive diagnosis in surgical patients-Link to a remote hospital.
- RO1GM-19605-02 (GEN) HARRIMAN, PHILIP D, DUKE UNIVERSITY, BIOCHEMISTRY DEPT, DURHAM, N C. Generalized and specialized transduction of *E coli* genes (human).
- RO1GM-19607-02 (GEN) PERLMAN, PHILIP S, OHIO STATE UNIVERSITY, 484 W 12TH AVE, COLUMBUS, OHIO. Mechanisms of mitochondrial transmission genetics (yeast).
- RO1GM-19616-02 (GEN) RICHARDSON, RICHARD H, UNIVERSITY OF TEXAS, 656 PATTERSON LAB BLDG, AUSTIN, TEX. DNA and karyotypic studies of *Drosophila* genomes.
- RO1GM-19617-02 (GEN) BROWN, LYLE R, OREGON STATE UNIVERSITY, DEPT OF MICROBIOLOGY, CORVALLIS, OREG. Genetics and physiology of developmental mutants (bacteria).
- RO1GM-19620-02 (BIO) WHITE, HAROLD B, 3D, UNIVERSITY OF DELAWARE, DEPT OF CHEMISTRY, NEWARK, DEL. Vitamin transport (chickens).
- RO1GM-19627-01 (MBY) COOKE, PETER M, DEPT OF PSYCHOLOGY & CELL BIO, UNIV OF KANSAS, LAWRENCE, KANS. Contractile mechanism of vertebrate smooth muscle (children).
- RO1GM-19629-02 (GEN) HENRY, SUSAN A, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Genetics and development of yeast membrane mutants.
- RO1GM-19631-11 (MCHB) CORDES, EUGENE H, INDIANA UNIVERSITY, DEPT OF CHEMISTRY, BLOOMINGTON, IND. Reaction kinetics at amphiphatic surfaces.
- RO1GM-19636-02 (BIO) LEE, CHUAN-PU, JOHNSON RESEARCH FOUNDATION, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA. Subcellular respiratory functions of cardiac muscle (cattle).
- RO1GM-19641-01 (BIO) BUETOW, DENNIS E, DEPT OF PHYSIOLOGY & BIOPHYS, UNIVERSITY OF ILLINOIS, URBANA, ILL. Protein biosynthesis in mitochondria (*E gracilis*, HeLa cells, rats).
- RO1GM-19643-02 (MBC) HAGEMAN, JAMES H, NEW MEXICO STATE UNIVERSITY, BOX 3C, LAS CRUCES, N MEX. Proteases and protein turnover in bacterial sporulation.
- RO1GM-19645-02 (MCHA) LAUFER, DANIEL A, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF CHEMISTRY, BOSTON, MASS. Synthesis and conformation of cyclic tetrapeptides.
- RO1GM-19649-01 (BBCA) FRANZEN, JAMES S, UNIVERSITY OF PITTSBURGH, A726 CRABTREE HALL, PITTSBURGH, PA. Ligand binding to allosteric enzymes.
- RO1GM-19651-01 (BBCA) JESPERSEN, NEM D, DEPT OF CHEMISTRY, UNIV OF TEXAS, AUSTIN, TEX. Thermometric methods of clinical analysis.
- RO1GM-19654-02 (CBY) POLLARD, THOMAS D, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Molecular mechanism of cellular motility (amoebae, human).
- RO1GM-19656-02 (GEN) RODERICK, THOMAS H, JACKSON LABORATORY, BAR HARBOR, MAINE. Mammalian chromosomal inversions (mice).
- RO1GM-19658-02 (MCHB) SCHWARTZ, JEFFREY, PRINCETON UNIVERSITY, DEPT OF CHEMISTRY, PRINCETON, N J. Cyclization of metal-complexed polyolefins.
- RO1GM-19664-01 (BBCB) HAND, JAMES H, UNIVERSITY OF MICHIGAN, DEPT OF CHEMICAL ENGINEERING, ANN ARBOR, MICH. Glass-elastomer composite biomaterials.
- RO1GM-19667-02 (CBY) KIRSCHNER, MARC W, PRINCETON UNIVERSITY, DEPT OF BIOCHEMICAL SCIENCES, PRINCETON, N J. Biochemical studies of mitosis using *Xenopus* eggs.
- RO1GM-19670-02 (MBC) REZNIKOFF, WILLIAM S, UNIVERSITY OF WISCONSIN, DEPARTMENT OF BIOCHEMISTRY, MADISON, WIS. Transcription and translation regulatory signals (*E coli*).
- RO1GM-19673-02 (MBC) DOI, ROY H, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, DAVIS, CALIF. RNA polymerase in bacterial differentiation.
- RO1GM-19674-01 (MBC) HOCH, JAMES A, SCRIPPS CLINIC & RESEARCH FDM, 476 PROSPECT STREET, LA JOLLA, CALIF. Control of enzyme synthesis and regulation (bacteria).
- RO1GM-19677-02 (MBY) LEY, KENNETH D, UNIVERSITY OF FLORIDA, DEPT OF VETERINARY SCIENCE, GAINESVILLE, FLA. Isoleucine-mediated initiation of DNA synthesis.
- RO1GM-19680-01 (SGYB) SANCES, ANTHONY, JR, MEDICAL COLLEGE OF WISCONSIN, 8700 WEST WISCONSIN AVE, MILWAUKEE, WIS. Noninvasive evaluation of trauma patients (dogs, monkeys).
- RO1GM-19682-02 (BBCA) BEAMS, JESSE W, UNIVERSITY OF VIRGINIA, DEPARTMENT OF PHYSICS, CHARLOTTESVILLE, VA. Magnetic suspension balances.
- RO1GM-19684-02 (BBCB) DUAX, WILLIAM L, MEDICAL FOUNDATION OF BUFFALO, 73 HIGH STREET, BUFFALO, N Y. Ionophores, transport, and membrane structure.
- RO1GM-19693-01 (GEN) SMITH, ISSAR, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N Y. Regulatory mechanisms in ribosome biosynthesis (bacteria).
- RO1GM-19698-02 (MBC) SETLOW, PETER, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF BIOCHEMISTRY, FARMINGTON, CONN. Degradative reactions in spore germination.
- RO1GM-19699-01 (MBY) AUST, STEVEN D, DEPT OF BIOCHEMISTRY, MICHIGAN STATE UNIV, EAST LANSING, MICH. Membrane structure and function (rats).
- RO1GM-19702-02 (PC) REEVES, ROBERT H, FLORIDA STATE UNIVERSITY, INSTITUTE OF MOLECULAR BIOPHY, TALLAHASSEE, FLA. Biological significance of tRNA modifications (*salmonella*).
- RO1GM-19703-01 (PC) LARK, CYNTHIA A, UNIVERSITY OF UTAH, 201 BIOLOGY BUILDING, SALT LAKE CITY, UTAH. Role of methylation in DNA replication and repair (*E coli* mutants).
- RO1GM-19706-01 (RAD) LEBE, PADMAKAR P, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Effects of ultrasound on cell growth and division.
- RO1GM-19714-02 (SGYB) BITTENBURY, MAX S, MEDICAL UNIV OF SOUTH CAROLINA, DEPARTMENT OF SURGERY, CHARLESTON, S C. RES and lymphocytic response to trauma (human, monkeys, rabbits).
- RO1GM-19716-01 (AFY) SCOTT, NORMAN R, CORNELL UNIVERSITY, RILEY-ROBB HALL, ITHACA, N Y. Thermoregulation (chickens).
- RO1GM-19718-02 (CBY) PICKETT-HEAPS, JEREMY D, UNIVERSITY OF COLORADO, DEPARTMENT OF BIOLOGY, BOULDER, COLO. Cell division and morphogenesis (plants).
- RO1GM-19719-02 (PHRB) BRUCE, DAVID L, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVE, CHICAGO, ILL. Control of cell division (human, mice).
- RO1GM-19734-02 (BIO) HANSTEIN, WALTER G, SCRIPPS CLINIC & RESEARCH FDM, 476 PROSPECT ST, LA JOLLA, CALIF. Photoaffinity labeling of mitochondria by uncouplers.
- RO1GM-19743-01 (GEN) ANDERSON, DWIGHT L, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN. Genetic aspects of DNA-protein interactions (bacteriophage).
- RO1GM-19745-02 (GEN) KLEBE, ROBERT J, JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF BIOLOGY, BALTIMORE, MD. Somatic cell genetics of differentiated phenotypes.
- RO1GM-19756-02 (PC) DAHLBERG, ALBERT E, BROWN UNIVERSITY, DIV OF BIOLOG & MED SCIS BOX G, PROVIDENCE, R I. Polysomes and subunits structure function relationships.
- RO1GM-19770-02 (GEN) HIRAJIZUMI, YUICHIRO, UNIVERSITY OF TEXAS, 634 PATTERSON LAB BUILDING, AUSTIN, TEX. Prozygotic selection in human population (*Drosophila*).
- RO1GM-19775-02 (MCHA) MARGERUM, DALE W, PURDUE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAFAYETTE, IND. Activation of molecular oxygen by metal peptides.
- RO1GM-19783-01 (TOX) JENNINGS, P W, MONTANA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, BOZEMAN, MONT. Action and metabolic fate of liver toxins (mice, sheep, plants).
- RO1GM-19784-02 (BIO) COSCIA, CARMINE J, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BLDV, ST LOUIS, MO. Feedback inhibition of indole alkaloid biosynthesis.
- RO1GM-19789-02 (BIO) CHANG, LUCY M, UNIV OF CONNECTICUT HEALTH CTS, FARMINGTON AVENUE, FARMINGTON, CONN. Molecular structure of mammalian DNA polymerases (rats).
- RO1GM-19795-02 (GEN) STREISINGER, GEORGE, UNIVERSITY OF OREGON, INSTITUTE OF MOLECULAR BIOLOGY, EUGENE, OREG. Molecular mechanisms of frameshift mutation (bacteriophage).
- RO1GM-19807-02 (CBY) LATIES, GEORGE G, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Membrane permeability as a regulatory element.
- RO1GM-19807-02 0001 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Glycolytic control (plants, fungi).
- RO1GM-19807-02 0002 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Ripening triggers in relation to ethylene production (plants).
- RO1GM-19807-02 0003 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Role of protein synthesis in ripening (plants).
- RO1GM-19807-02 0004 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Aerobiosis as an element in ripening (plants).
- RO1GM-19807-02 0005 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Origin of ethylene (plants).
- RO1GM-19807-02 0006 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Respiratory substrates in preclimacteric and climacteric fruit.
- RO1GM-19807-02 0007 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Effect of ethylene on glycolysis (mammals).
- RO1GM-19807-02 0008 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Genesis of lipolytic activity (plants).
- RO1GM-19807-02 0009 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Location and activation of fatty acid alpha-oxidase (plants).
- RO1GM-19807-02 0010 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Control of respiratory development in slices (plants).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1GM-19807-02 0011 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Phytochrome involvement in respiratory development (plants).
- RO1GM-19807-02 0012 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Respiratory development and derepression (plants).
- RO1GM-19807-02 0013 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Isotermis in relation to the presence of membrane active substances (plants).
- RO1GM-19807-02 0014 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Kinetics and basics of mitochondrial conditioning (plants).
- RO1GM-19807-02 0015 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Conditioning and activation energies of respiratory oxidations.
- RO1GM-19807-02 0016 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Need for ADP in the implementation of uncoupler action (plants).
- RO1GM-19807-02 0017 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-Substrate metabolism.
- RO1GM-19807-02 0018 (CBY) LATIES, GEORGE G. Membrane permeability as a regulatory element-NADH oxidation by potato mitochondria.
- RO1GM-19808-02 (MBY) LELAIR, LUIS F, INST DE INVESTIGACIONES BIOQUIM, OBLIGADO 2490, BUENOS AIRES0280. Biosynthesis of cell-membrane saccharides (bacteria, human, mammals subhuman).
- RO1GM-19809-02 (MBC) MARKOVETZ, ALLEN J, UNIVERSITY OF IOWA, DEPARTMENT OF MICROBIOLOGY, IOWA CITY, IOWA. Microbial and insect metabolism of aliphatic compounds.
- RO1GM-19813-02 (PHRA) HINKLEY, ROBERT E, JR, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Anesthetic alteration of cell structure and function (mice, decapods).
- RO1GM-19815-02 (PHRA) BURCKHALTER, JOSEPH H, UNIVERSITY OF MICHIGAN, COLLEGE OF PHARMACY, ANN ARBOR, MICH. Metabolic study of hypocholesteremic pyridine (rats, monkeys).
- RO1GM-19821-01 (GEN) APIRION, DAVID, WASHINGTON UNIVERSITY, DEPT OF MICROBIOLOGY, ST LOUIS, MO. Genetics of ribonucleases and RNA degradation (*E. coli*).
- RO1GM-19822-15 (MBC) KENNEDY, EUGENE P, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Metabolism and function of complex lipids (*E. coli*).
- RO1GM-19835-02 (VR) ELICHERI, GEORGE L, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BLVD, ST LOUIS, MO. Ribosomes of hybrid cells and tumor virus effects (mice, hamsters).
- RO1GM-19837-02 (CBY) BARTLEY, JOHN C, BRUCE LYON MEMORIAL RES LAB, 51ST AND GROVE STREETS, OAKLAND, CALIF. Coordination of intracellular activities (rats).
- RO1GM-19839-02 (GEN) RALBINDER, ELIAS, SYRACUSE UNIVERSITY, 130 COLLEGE PLACE. Genetic and biochemical study of a multienzyme complex (bacteria).
- RO1GM-19843-02 (BBCB) CANTOR, CHARLES R, COLUMBIA UNIVERSITY, BOX 608 HAVEMEYER, NEW YORK, N.Y. Fluorescence and chemical studies on ribosomes (bacteria, mammals subhuman).
- RO1GM-19848-02 (GEN) LEVIN, BRUCE R, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF ZOOLOGY, AMHERST, MASS. Protein variation and selection mechanisms in *E. coli*.
- RO1GM-19849-01 (GEN) GUTZ, HERBERT, DIV OF BIOLOGY, UNIV OF TEXAS AT DALLAS, DALLAS, TEX. Studies of the mechanism of recombination in a yeast.
- RO1GM-19850-02 (GEN) FELDMAN, JERRY F, STATE UNIVERSITY OF NEW YORK, DEPT OF BIOLOGICAL SCIENCES, ALBANY, N.Y. Genetic analysis of biological clock mechanisms (fungi).
- RO1GM-19851-02 (CBY) HIRSH, DAVID I, UNIVERSITY OF COLORADO, DEPT OF CELLUL/MOLECUL BIOL, BOULDER, COLO. Genetic control of development (nematodes).
- RO1GM-19853-01 (PHRA) NAPIER, EDWARD A, JR, UNIV OF MICHIGAN MED SCHOOL, 6592 KRESGE I, ANN ARBOR, MICH. Metabolism of common plasticizers.
- RO1GM-19856-01 (BBCA) KRAWIEC, STEVEN S, DEPT OF BIOLOGY, LEHIGH UNIV, BETHLEHEM, PA. Correlation of thermal environment and RNA structure (bacteria).
- RO1GM-19858-01 (MBC) FRANK, LEONARD H, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Sodium-mediated transport across bacterial membranes (*E. Coli*).
- RO1GM-19859-02 (MBC) PATE, JACK L, UNIVERSITY OF WISCONSIN, DEPARTMENT OF BACTERIOLOGY, MADISON, WIS. Subcellular structures of prokaryotic organisms.
- RO1GM-19863-01 (ET) RUDDON, RAYMOND W, DEPT OF PHARMACOLOGY, M6322 MED SCI BLDG, U OF MICH, ANN ARBOR, MICH. Role of acidic nuclear proteins in enzyme induction (rats).
- RO1GM-19864-01 (RAD) GROW, RICHARD W, ELECTRICAL ENGR DEPT, UNIV OF UTAH, SALT LAKE CITY, UTAH. Real-time conversion of thermal to visible pictures.
- RO1GM-19867-02 (BIO) MELA, LEENA M, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Altered mitochondrial function in shock (human, rabbits, rats, *E. coli*).
- RO1GM-19871-02 (MBY) SCHMIDT, ROBERT R, VIRGINIA POLYTECHNIC INST, DEPT OF BIOCHEM & NUTRITION, BLACKSBURG, VA. Gene-Enzyme control in normal and cancer cells (mammals, microorganisms).
- RO1GM-19875-02 (PC) ROSE, ZELDA S, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Enzymes of 2,3-diphosphoglycerate metabolism (human, rabbits, yeast).
- RO1GM-19882-09 (MCHA) CASPI, ELIAHU, WORCESTER FDN FOR EXPR BIOL, 222 MAPLE AVENUE, SHREWSBURY, MASS. Biosynthesis of sterols in digitals plants.
- RO1GM-19883-01 (ET) FIEL, ROBERT J, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N.Y. Polyanions-Model gene regulators.
- RO1GM-19886-01 (BBCB) DENNIS, DON, DEPT OF CHEMISTRY, UNIV OF DELAWARE, NEWARK, DEL. Surface asymmetry and ionic transport in lipid bilayers.
- RO1GM-19905-02 (MCHB) MORRISON, GEORGE H, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N.Y. Analysis of trace elements in biological systems.
- RO1GM-19906-01 (MCHB) DOWD, PAUL, DEPT OF CHEMISTRY, UNIV OF PITTSBURGH, PITTSBURGH, PA. Model studies of vitamin B12.
- RO1GM-19907-02 (BBCB) MARKLEY, JOHN L, PURDUE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAFAYETTE, IND. NMR studies of selectively C-13 enriched proteins (plants, bacteria).
- RO1GM-19908-02 (CVB) STERN, S ALEXANDER, SYRACUSE UNIVERSITY, HINDS HALL, SYRACUSE, N.Y. Inert gas narcosis and the lipid 'Free Volume'.
- RO1GM-19913-02 (MCHA) RONY, PETER R, VIRGINIA POLYTECHNIC INSTITUTE, BLACKSBURG, VA. Tautomeric catalysis-Model of enzyme catalysis.
- RO1GM-19921-08 (BBCA) FORSTER, LESLIE S, UNIVERSITY OF ARIZONA, DEPARTMENT OF CHEMISTRY, TUCSON, ARIZ. Electronic properties of complex molecules (cattle).
- RO1GM-19922-02 (SSS) LAPPE, MARC A, INST-SOCIETY/ETHICS/LIFE SCIS, 623 WARBURTON AVENUE, HASTINGS-ON-HUDSON, N.Y. Social and legal aspects of human genetic research.
- RO1GM-19925-01 (MCHA) AINSWORTH, CAMERON, DEPT OF CHEM, FREDERIC BURK FDN FOR ED, DALY CITY, CALIF. New synthesis of biological compounds.
- RO1GM-19929-02 (MBY) MARCHESI, VINCENT T, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Membrane proteins and tumor-specific antigens (human, guinea pigs).
- RO1GM-19930-03 (SOYB) HOPKINS, ROBERT W, DEPT OF SURGERY, MIRIAM HOSPITAL 164 SUMMIT AVE, PROVIDENCE, R.I. Clinical and experimental shock (human, dogs, rats).
- RO1GM-19934-12 (GEN) KALLMAN, KLAUS D, OSBORN LABS OF MARINE SCIENCES, BOARDWALK AND WEST 8TH STREET, BROOKLYN, N.Y. Integrated genetic systems in xiphophorus.
- RO1GM-19937-02 (GEN) FRISTROM, JAMES W, UNIVERSITY OF CALIFORNIA, 345 MULFORD HALL, BERKELEY, CALIF. Genic/molecular basis of imaginal disc morphogenesis (*Drosophila*).
- RO1GM-19948-05 (PC) CHUNG, ALBERT E, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF BIOCHEMISTRY, PITTSBURGH, PA. Isocitrate dehydrogenase structure and activity (bacteria).
- RO1GM-19952-02 (GEN) RUDDLE, FRANK M, YALE UNIVERSITY, 219 PROSPECT STREET, NEW HAVEN, CONN. Regulation in human cells-The interferon model.
- RO1GM-19954-02 (SOYA) CLOWES, GEORGE H, JR, BOSTON CITY HOSPITAL, SEARS LABORATORY, BOSTON, MASS. Factors inducing the abnormal metabolism of trauma (rats, dogs, swine, human).
- RO1GM-19957-02 (MBC) DWORKIN, MARTIN, UNIVERSITY OF MINNESOTA, BOX 196 MAYO, MINNEAPOLIS, MINN 55455. Cell-cell interaction in the myxobacteria.
- RO1GM-19959-01 (MCHA) MC MURRY, JOHN E, UNIVERSITY OF CALIFORNIA, NATURAL SCIENCE - I, SANTA CRUZ, CALIF. New synthesis of unsaturated carbonyl compounds.
- RO1GM-19962-02 (GEN) WEITKAMP, LOWELL R, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N.Y. Human autosomal gene linkage.
- RO1GM-19963-02 (GEN) GOLD, LAWRENCE M, UNIVERSITY OF COLORADO, MOLEC, CELLUL/DEVELOP BIOL, BOULDER, COLO. Regulation of bacteriophage T4 gene expression (*E. coli*).
- RO1GM-19967-02 (GEN) WILLS, CHRISTOPHER J, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Genetic variability at the biochemical level (*Drosophila*, yeast).
- RO1GM-19971-04 (MBC) SCARBOROUGH, GENE A, UNIVERSITY OF COLORADO, 4200 E NINTH AVENUE, DENVER, COLO. Structure and function of *Neurospora crassa* membranes.
- RO1GM-19972-05 (MBC) MC FADDEN, BRUCE A, WASHINGTON STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, PULLMAN, WASH. Biochemistry of membrane and catalytic proteins (bacteria, plants).
- RO1GM-19973-05 (PC) KINDEL, PAUL K, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Biosynthesis of D-apsiose and plant polysaccharides (plants).
- RO1GM-19980-01 (BBCA) BONNER, OSCAR D, DEPARTMENT OF CHEMISTRY, UNIVERSITY OF SOUTH CAROLINA, COLUMBIA, S.C. Water structure in systems of biological importance.
- RO1GM-19984-02 (BBCB) STROUD, ROBERT M, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Structure and function of proteins at molecular level.
- RO1GM-19984-02 0001 (BBCB) STROUD, ROBERT M. Structure and function of proteins at molecular level-Histones (cattle, peas).
- RO1GM-19984-02 0002 (BBCB) STROUD, ROBERT M. Structure and function of proteins at molecular level-Neurochemical processes-The cholinergic receptor molecule.
- RO1GM-19984-02 0008 (BBCB) STROUD, ROBERT M. Structure and function of proteins at molecular level-Trypsin (cattle).
- RO1GM-19934-02 0004 (BBCB) STROUD, ROBERT M. Structure and function of proteins at molecular level-Glutamate-aspartate transaminase.
- RO1GM-19988-14 (BBCA) BALDWIN, ROBERT L, STANFORD UNIVERSITY, BIOCHEMISTRY DEPARTMENT, STANFORD, CALIF. Physical studies of nucleic acids and proteins.
- RO1GM-19988-14 0001 (BBCA) BALDWIN, ROBERT L. Physical studies of nucleic acids and proteins-Kinetic studies of intermediates in protein folding.
- RO1GM-19938-14 0002 (BBCA) BALDWIN, ROBERT L. Physical studies of nucleic acids and proteins-Physical studies of tandem genetic duplications (bacteriophage lambda).
- RO1GM-19989-02 (RAD) MILLER, EARL R, UNIV OF CALIFORNIA, SAN FRANCISCO, CALIF. Reading methods and image quality vs x-ray reading error (human).
- RO1GM-19990-02 (BBCA) WANG, JUI H, STATE UNIVERSITY OF NEW YORK, ACHESON HALL, BUFFALO, N.Y. Mechanism of enzyme action and allied model reactions (rats).
- RO1GM-19991-02 (BBCA) VAN HOOK, WILLIAM A, UNIVERSITY OF TENNESSEE, CHEMISTRY DEPARTMENT, KNOXVILLE, TENN. Aqueous solvent isotope effects-Permanent gas solutes.
- RO1GM-19992-04 (BIO) HOUSTON, L LUGENE, UNIVERSITY OF KANSAS, HAWORTH HALL, LAWRENCE, KANS. A multienzyme complex in the histidine path (bacteria).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-19993-07 (BIO) AMES, BRUCE N, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, BERKELEY, CALIF. Regulation of gene function and protein synthesis (bacteria).
- RO1GM-19995-02 (CBY) DENNY, PAUL C, UNIV OF SOUTHERN CALIFORNIA, DEPARTMENT OF BIOCHEMISTRY, LOS ANGELES, CALIF. Protein synthesis activation in sea urchin eggs.
- RO1GM-19998-02 (CBY) WILLIAMS, JOHN A, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS, SAN FRANCISCO, CALIF. Role of cell membrane in hormone secretion and action (rats, mice).
- RO1GM-20001-02 (MBY) HIGGINS, JOAN A, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Biogenesis of cellular membranes (rats, ducks).
- RO1GM-20002-01 (MCHA) BEHRMAN, EDWARD J, DEPT OF BIOCHEMISTRY, OHIO ST UNIV 484 W 12TH ST, COLUMBUS, OHIO. Synthesis of beta-glycosyl nucleotides.
- RO1GM-20003-01 (MCHB) EADON, GEORGE A, DEPT OF CHEMISTRY, STATE UNIV OF NEW YORK, ALBANY, N Y. Structure determination by mass spectrometry.
- RO1GM-20008-02 (BBCA) HAMORI, EUGENE, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Kinetic study of double helix formation.
- RO1GM-20011-02 (BIO) WALSH, CHRISTOPHER T, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Reaction mechanisms of pyrophosphokinases.
- RO1GM-20015-01 (BIO) BELL, ROBERT M, DUKE UNIVERSITY, DEPT OF BIOCHEMISTRY, DURHAM, N C. Regulation of membrane phospholipid synthesis (E coli).
- RO1GM-20022-02 (RAD) RIKER, WILLIAM K, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Cartilage-selective radiocontrast agents (primates, dogs, cats, mice).
- RO1GM-20024-02 (CBY) FREEMAN, GARY L, UNIVERSITY OF TEXAS, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX. Basic problems in embryogenesis from buds and eggs.
- RO1GM-20024-02 0001 (CBY) FREEMAN, GARY L. Basic problems in embryogenesis from buds and eggs—Mode of action of a mutation blocking asexual reproduction in ascidians.
- RO1GM-20024-02 0002 (CBY) FREEMAN, GARY L. Basic problems in embryogenesis from buds and eggs—Egg organization and the segregation of developmental potential (ctenophores).
- RO1GM-20028-02 (GEN) RICHARDSON, RICHARD H, UNIVERSITY OF TEXAS, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX. Man-computer interactive analysis of chromosomes (Drosophila).
- RO1GM-20032-03 (BBCA) ANEX, BASIL G, UNIVERSITY OF NEW ORLEANS, DEPT OF CHEMISTRY, NEW ORLEANS, LA. Selected solid state spectral studies.
- RO1GM-20038-01 (GEN) PRER, JOHN R, JR, INDIANA UNIVERSITY, DEPARTMENT OF ZOOLOGY, BLOOMINGTON, IND. Genetic and phenotype studies in a cytoplasmic factor (paramecium).
- RO1GM-20048-02 (COM) MARGOLASH, EMANUEL, NORTHWESTERN UNIVERSITY, DEPARTMENT OF BIOLOGICAL SCIENCES, EVANSTON, ILL. Amino acid sequences-automatic integrated procedures.
- RO1GM-20050-01 (BBCB) MIBYAL, JOHN J, DEPT OF PHARMACOLOGY, NORTHWESTERN UNIV, CHICAGO, ILL. Hemoprotein-drug interactions—Role in metabolism (rat, human).
- RO1GM-20052-02 (BBCA) DELIHAS, NICHOLAS, S U N Y AT STONY BROOK, SCH OF BASIC HEALTH SCIENCES, STONY BROOK, N Y. Ribosome structure—Analysis by reaction with ketoxal (E coli).
- RO1GM-20053-10 (BIO) BENTLEY, RONALD, UNIVERSITY OF PITTSBURGH, A730 CRABTREE HALL, PITTSBURGH, PA. Biochemical C-methylation of aromatic compounds (bacteria).
- RO1GM-20055-01 (MBC) ITO, JUNETSU, DEPT OF MICROBIOLOGY, SCRIPPS CLINIC & RES FDN, LA JOLLA, CALIF. Membrane synthesis and sporulation (Bacillus subtilis).
- RO1GM-20056-02 (MBC) HABER, JAMES E, BRANDEIS UNIVERSITY, DEPARTMENT OF BIOLOGY, WALTHAM, MASS. Control of gametogenesis.
- RO1GM-20064-02 (BBCA) HOLTZER, ALFRED M, WASHINGTON UNIVERSITY, LINDELL AND SKINKER BLVDS, ST LOUIS, MO. Properties of alpha-helix-forming substances.
- RO1GM-20066-02 (BBCB) MATTHEWS, BRIAN W, UNIVERSITY OF OREGON, INSTITUTE OF MOLECULAR BIOLOGY, EUGENE, OREG. Refinement of the 3D structure of thermolysin (bacteria).
- RO1GM-20069-02 (GEN) SMITHIES, OLIVER, UNIVERSITY OF WISCONSIN, DEPARTMENT OF MEDICAL GENETICS, MADISON, WIS. Genetic control of protein structure and synthesis (human, mammals).
- RO1GM-20073-01 (MCHA) WINSTEAD, MELDRUM B, DEPT OF CHEMISTRY, BUCKNELL UNIVERSITY, LEWISBURG, PA. Synthesis and scintigraphic study of 11C compounds (dogs).
- RO1GM-20077-01 (BIO) BARDEN, ROLAND E, UNIVERSITY OF WYOMING, BOX 3838 UNIVERSITY STATION, LARAMIE, WYO. Affinity labels for acyl-CoA utilizing enzymes (cattle).
- RO1GM-20080-02 (MCHA) FOOE, CHRISTOPHER S, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, LOS ANGELES, CALIF. Photooxidation in model biological systems.
- RO1GM-20082-01 (MCHB) DENSON, DONALD D, PHYSICAL SCIENCES DIV, STANFORD RES INST, MENLO PARK, CALIF. Preparation of fluorinated volatile anesthetics.
- RO1GM-20085-15 (SOYB) MORAN, WALTER H, JR, WEST VIRGINIA UNIVERSITY, DEPT OF SURGERY, MORGANTOWN, W VA. The regulation of electrolyte balance in surgery (human, dogs, rats).
- RO1GM-20091-01 (PHRA) LEVI, ROBERTO, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Cardiac dysfunctions caused by histamine release (guinea pigs, monkeys, rabbits).
- RO1GM-20101-03 (MBY) PAUL, DIETRICH, SALK INST FOR BIOL STUDIES, PO BOX 1809, SAN DIEGO, CALIF. Growth control by serum factors in liver cells (rats).
- RO1GM-20102-02 (COM) NGUYEN-HUU, XUONG, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Computer controlled multi-reflection diffractometer.
- RO1GM-20103-01 (GEN) KIDWELL, JAMES F, BROWN UNIVERSITY, DIV OF BIOL & MEDICAL SCI, PROVIDENCE, R I. Analysis of a mutator gene in Drosophila melanogaster.
- RO1GM-20109-01 (CBY) BURNSIDE, MARY B, DEPT OF ANATOMY, UNIV OF PENNSYLVANIA, PHILADELPHIA, PA. Microtubule and microfilament structure and function (amphibians).
- RO1GM-20111-02 (MBY) ORTWERTH, BERYL J, UNIVERSITY OF MISSOURI, DEPARTMENT OF OPHTHALMOLOGY, COLUMBIA, MO. Role of transfer RNA in the control of cell division (rats).
- RO1GM-20113-01 (MBY) PERACCHIA, CAMILLO, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Structure and function in low resistance junctions (crayfish, rats, mice).
- RO1GM-20114-01 (MBC) JACOBSON, LEWIS A, UNIVERSITY OF PITTSBURGH, 360 LANGLEY HALL, PITTSBURGH, PA. Regulation of protein synthesis in growth transitions.
- RO1GM-20115-02 (RAD) BUDINGER, THOMAS F, UNIV OF CALIFORNIA-BLDG 26, LAWRENCE BERKELEY LABORATORY, BERKELEY, CALIF. Liquid xenon multi-wire radioisotope camera (human, dogs).
- RO1GM-20117-11 (BBCA) GROSSWEINER, LEONARD I, ILLINOIS INSTITUTE OF TECH, DEPARTMENT OF PHYSICS, CHICAGO, ILL. Fast photosensitized reactions of aromatic compounds (human).
- RO1GM-20122-02 (MBC) PIGNET, VINCENT P, JR, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Structural basis for regulation of ribotide reductase.
- PO1GM-20124-02 (SSS) ROSENBERG, LEON E, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Center for human genetics and inherited disease.
- PO1GM-20124-02 0001 (SSS) RUDDLE, FRANK H. Center for human genetics and inherited disease—Mapping of genes involved in genetic disorders in man (and mice).
- PO1GM-20124-02 0002 (SSS) GELEHRTER, THOMAS D. Center for human genetics and inherited disease—Hereditary metabolic diseases in cultured liver cells (human, rats).
- PO1GM-20124-02 0008 (SSS) RUDDLE, FRANK H. Center for human genetics and inherited disease—Mapping of genes controlling hepatic phenotypes (human, mice).
- PO1GM-20124-02 0004 (SSS) ADELBERG, EDWARD H. Center for human genetics and inherited disease—Genetic studies on differentiated liver cells in culture (mice).
- PO1GM-20124-02 0005 (SSS) PAWELEK, JOHN M. Center for human genetics and inherited disease—Regulation of phenotypic expression by melanoma cells (mice, hamsters).
- PO1GM-20124-02 0006 (SSS) MCGUIRE, JOSEPH S. Center for human genetics and inherited disease—Nuclear acidic proteins regulating genetic expression (mice, hamsters).
- PO1GM-20124-02 0007 (SSS) EISENSTADT, JEROME M. Center for human genetics and inherited disease—Mitochondrial biogenesis (mammals).
- PO1GM-20124-02 0008 (SSS) WARD DAVID C. Center for human genetics and inherited disease—Mammalian chromosomes—Fractionation and properties (human, mammals).
- PO1GM-20124-02 0009 (SSS) ADELBERG, EDWARD H. Center for human genetics and inherited disease—Cell lines from cells by infection with Epstein-Barr virus (human, rodents).
- PO1GM-20124-02 0010 (SSS) WEISSMAN, SHERMAN M. Center for human genetics and inherited disease—Hemoglobin mRNA in thalassemia (human).
- PO1GM-20124-02 0011 (SSS) HSIA Y EDWARD. Center for human genetics and inherited disease—Genetic counseling—Demand, supply and quality.
- PO1GM-20130-01 (SSS) OPTIZ, JOHN M, UNIVERSITY OF WISCONSIN, ROOM 109, GENETICS BLDG, MADISON, WIS. Clinical genetics research center.
- PO1GM-20130-01 0001 (SSS) OPTIZ, JOHN M. Clinical genetics research center—General nosology (human).
- PO1GM-20130-01 0002 (SSS) OPTIZ, JOHN M. Clinical genetics research center—Pleiotropy (children).
- PO1GM-20130-01 0003 (SSS) OPTIZ, JOHN M. Clinical genetics research center—Mental retardation.
- PO1GM-20130-01 0004 (SSS) OPTIZ, JOHN M. Clinical genetics research center—Old Order Amish.
- PO1GM-20130-01 0005 (SSS) SARTO, GLORIA E. Clinical genetics research center—Amniotic fluid studies (human).
- PO1GM-20130-01 0010 (SSS) SARTO, GLORIA E. Clinical genetics research center—Reproductive genetics (human).
- RO1GM-20131-02 (BBCA) BROWN, HARRY D, CANCER RESEARCH CENTER, BUSINESS LOOP 70 AND GARTH AVE, COLUMBIA, MO. Microcalorimetry for clinical chemistry.
- PO1GM-20138-01 (SSS) MELLMAN, WILLIAM J, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. University of Pennsylvania Genetics Center.
- RO1GM-20141-02 (CBY) ADELMAN, MARK R, DUKE UNIVERSITY, DEPARTMENT OF ANATOMY, DURHAM, N C. Studies on biological motility (slime mold).
- RO1GM-20147-02 (MBY) PACE, NORMAN R, NATIONAL JEWISH HOSPITAL, 3800 EAST COLFAX AVENUE, DENVER, COLO. Synthesis and regulation of eukaryotic ribosomal RNA (rats, anurans).
- RO1GM-20148-01 (MBY) THOMPSON, GUY A, JR, UNIVERSITY OF TEXAS, DEPARTMENT OF BOTANY, AUSTIN, TEX. Biochemistry of membrane assembly and stability (Tetrahymena).
- RO1GM-20154-02 (SSS) HAZLEWOOD, CARLTON F, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Physiological role of water in tissue (rats).
- RO1GM-20155-01 (BBCA) LANGERMAN, NEAL R, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Thermodynamic studies of nucleotide synthesis.
- RO1GM-20158-02 (GEN) HOGNESS, DAVID S, STANFORD UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, STANFORD, CALIF. Arrangement of information in animal chromosomes (bacteriophage, Drosophila).
- RO1GM-20160-02 (MBC) VAPNEK, DANIEL, UNIVERSITY OF GEORGIA, DEPARTMENT OF MICROBIOLOGY, ATHENS, GA. Intermediates in DNA replication in Escherichia coli.
- RO1GM-20168-02 (BBCB) REDFIELD, ALFRED G, BRANDEIS UNIVERSITY, WALTHAM, MASS. Structural kinetic studies by nuclear magnetic resonance.
- RO1GM-20171-02 (MBC) LUSK, JOAN E, BROWN UNIVERSITY, DEPARTMENT OF CHEMISTRY, PROVIDENCE, R I. Membrane permeability in colicin-treated cells (E coli).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1GM-20172-01 (MBC) RIBBONS, DOUGLAS W, DEPT OF BIOCHEM P O BOX 875, BISCAYNE ANNEX U OF MIAMI, MIAMI, FLA. Enzymes of aromatic oxidations from microorganisms.	RO1GM-20296-01 (MBC) BOUTHIT, HARRY A, JR, DEPT OF BOTANY, UNIV OF MICHIGAN, ANN ARBOR, MICH. Polyribosomes in bacterial spores.
RO1GM-20173-02 (MBC) MARRS, RARRY L, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Regulation of bacterial membrane formation.	RO1GM-20298-01 (SOYB) COHEN, IRWIN K, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Collagen metabolism in wound repair and keloid (rats).
RO1GM-20177-01 (CBY) TRENCH, ROBERT K, YALE UNIVERSITY, OSBORN MEMORIAL LABORATORIES, NEW HAVEN, CONN. Macromolecular synthesis in cyanophora paradoxa.	RO1GM-20302-02 (CBY) ROTH, THOMAS F, UNIVERSITY OF MARYLAND, 5401 WILKENS AVENUE, BALTIMORE, MD. Synaptonemal complexes and recombination in mosquitoes.
RO1GM-20181-01 (MCHB) HORTON, DEREK, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Lipopolysaccharide antigens of pseudomonas aeruginosa.	RO1GM-20304-02 (MCHB) BESCH, JOHN J, S U N Y-AT BINGHAMTON, DEPT OF CHEMISTRY, BINGHAMTON, N Y 13901. Reduction and oligomerization of polyunsaturates.
RO1GM-20184-10 (PC) DUNATHAN, HARMON C, HAVERFORD COLLEGE, HAVERFORD, PA. Stereochemistry of enzymatic transamination (rats, chickens).	RO1GM-20304-02 (MBY) LEVINE, ELLIOT M, WISTAR INSTITUTE, THIRTY SIXTH & SPRUCE, PHILADELPHIA, PA. Molecular biology of cellular interactions (human, rabbits).
RO1GM-20188-01 (MCHA) POLLACK, RALPH M, DEPT OF CHEMISTRY, UNIV OF MARYLAND BALTIMORE CO, BALTIMORE, MD. Models for Schiff base enzymes.	RO1GM-20307-10 (BIO) HOGENKAMP, HENRICUS P, UNIVERSITY OF IOWA, DEPT OF BIOCHEMISTRY, IOWA CITY, IOWA. Structure and reaction of the cobamide coenzymes (microorganisms).
RO1GM-20194-03 (BBCB) CHASTEEN, N DENNIS, UNIVERSITY OF NEW HAMPSHIRE, DEPARTMENT OF CHEMISTRY, DURHAM, N H. Vanadyl ion EPR-Heavy metal binding in proteins.	RO1GM-20308-08 (MBC) HERMAN, ROBERT K, UNIVERSITY OF MINNESOTA, DEPT OF GENETICS & CELL BIO, ST PAUL, MINN. Genetic and biochemical studies of Escherichia coli.
RO1GM-20195-17 (BCA) SCHILLMAN, JOHN A, UNIVERSITY OF OREGON, DEPARTMENT OF CHEMISTRY, EUGENE, OREG. Interactions of nucleotide and proteins.	PO1GM-20309-02 (SSS) BISHMAN, BEN, DENVER GENERAL HOSPITAL, DEPARTMENT OF SURGERY, DENVER, COLO. Acute trauma study center.
RO1GM-20196-02 (MCHA) EPSTEIN, WILLIAM W, UNIVERSITY OF UTAH, DEPARTMENT OF CHEMISTRY, SALT LAKE CITY, UTAH. Famesyl pyrophosphate coupling.	PO1GM-20009-02 0001 (SSS) NORTON, LAWRENCE W. Acute trauma study center-Stress ulcer (human, swine, dogs).
RO1GM-20197-04 (MCHA) HOUSE, HERBERT O, GEORGIA INST OF TECHNOLOGY, SCHOOL OF CHEMISTRY, ATLANTA, GA. Enhancing the specificity of synthetic procedures.	PO1GM-20309-02 0002 (SSS) VANDERARK, GARY. Acute trauma study center-Effect of head injury on heart (human, dogs).
RO1GM-20190-01 (MCHA) SCHOWEN, RICHARD L, DEPT OF CHEMISTRY, UNIV OF KANSAS, LAWRENCE, KANS. Enzyme effector design-Proton inventories.	PO1GM-20009-02 0003 (SSS) TRIMBLE, CLEVE. Acute trauma study center-Construction and evaluation of new vein substitute TFE (dogs, human).
RO1GM-20201-02 (AFY) KING, ALBERT I, WAYNE STATE UNIVERSITY, 428 MEDICAL SCIENCE BLDG, DETROIT, MICH. Structural and mechanical properties of spine (human).	PO1GM-20309-02 0005 (SSS) BISEMAN, BEN. Acute trauma study center-Erythrocyte deformability (human, dogs).
RO1GM-20207-01 (BIO) ROON, ROBERT J, UNIVERSITY OF MINNESOTA, 227 MILLARD HALL, MINNEAPOLIS, MINN. Biotin holoenzyme synthetase-Mechanism and specificity (yeast, E coli).	PO1GM-20309-02 0006 (SSS) KELLY, GLENN L. Acute trauma study center-Fat embolism (dogs, human).
RO1GM-20211-02 (PC) HAYS, JOHN B, UNIVERSITY OF MARYLAND, 5401 WILKENS AVENUE, CATONSVILLE, MD. Protein/membrane function during sugar transport (S. aureus).	PO1GM-20309-02 0011 (SSS) POMERANTZ, MARVIN. Acute trauma study center-Respiratory distress syndrome (human).
RO1GM-20212-01 (PC) TANG, JORDAN J, OKLAHOMA MEDICAL RESEARCH FDN, 825 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Mammalian cathepsin D (cattle, swine, human, rabbits, chickens).	PO1GM-20309-02 0015 (SSS) TRIMBLE, CLEVE. Acute trauma study center-Drugs of abuse and trauma (human, rats).
RO1GM-20226-01 (RAD) LAMBERT, LLOYD M, JR, UNIV OF VERMONT, DEPT OF ELECTRICAL ENGR, BURLINGTON, VT. Magnetosonic image converter.	RO1GM-20311-06 (PC) RUDNEY, HARRY, COLL OF MEDICINE, UNIV OF CINCINNATI, CINCINNATI, OHIO. Biosynthesis of ubiquinone (rats, bacteria).
RO1GM-20227-01 (RAD) CLARK, RONALD G, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. CNS cellular response to contrast ventriculography (rhesus monkey).	RO1GM-20312-02 (GEN) JONES, THEODORE C, MOUNT HOLYOKE COLLEGE, DEPT OF BIOLOGICAL SCIENCES, SOUTH HADLEY, MASS. Enzyme localization in microorganisms (E coli, bacteriophage fd).
RO1GM-20228-01 (SOYB) WOLFF, B BERTHOLD, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Human analgesic assay with laboratory pain.	RO1GM-20315-02 (MCHA) LOUDON, G MARC, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N Y. Reagent for protein sequencing and modification.
RO1GM-20230-02 (BCA) WARD, DAVID C, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Application of fluorescent nucleotide affinity probe (microorganisms).	RO1GM-20316-01 (PC) ZAKIM, DAVID, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Regulation of microsomal enzymes by phospholipids (Gunn rats, guinea pigs).
RO1GM-20259-02 (BBCB) ZIMM, BRUNO H, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Physical studies of the Lac repressor.	RO1GM-20322-01 (MCHB) GASSMAN, PAUL G, DEPT OF CHEMISTRY, 140 W 18TH OHIO ST UNIV, COLUMBUS, OHIO. Stereospecific functionalization of aromatic amines.
RO1GM-20261-01 (CBY) GERBI, SUSAN A, BROWN UNIVERSITY, J WALTER WILSON LABORATORY, PROVIDENCE, R I. Fine structure of ribosomal RNA (E coli, toads).	RO1GM-20326-01 (PC) KAISER, IVAN I, UNIVERSITY OF WYOMING, UNIVERSITY STATION, BOX 3944, LARAMIE, WYO. Effects of 5-fluorouracil and 2-thiouracil on RNA (E coli, yeast).
RO1GM-20275-02 (BBCB) CHAN, IU-YAM, BRANDEIS UNIVERSITY, DEPARTMENT OF CHEMISTRY, WALTHAM, MASS. Phosphorescent triplet state of polynucleotides.	RO1GM-20327-01 (PHRA) WELING, PETER G, UNIVERSITY OF WISCONSIN, 425 N CHARTER STREET, MADISON, WIS. Factors influencing gastrointestinal drug absorption (human).
RO1GM-20276-01 (BCA) DJERASSI, CARL, CHEMISTRY DEPT, STAMFORD U, STAMFORD, CALIF. Applications of magnetic circular dichroism.	RO1GM-20329-07 (MCHA) YANG, NIEN-CHU C, DEPT OF CHEMISTRY, UNIVERSITY OF CHICAGO, CHICAGO, ILL. Photo chemical synthesis of organic compounds.
RO1GM-20277-02 (CBY) SABATINI, DAVID D, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Attachment of ribosomes to microsomal membranes (rats).	RO1GM-20330-05 (PC) CHAPMAN, LINDA P, UNIVERSITY OF MISSOURI, DIVISION OF BIOLOGICAL SCIS, COLUMBIA, MO. Regulatory mechanisms in isoleucine-valine synthesis (bacteria).
RO1GM-20280-03 (SSS) SIEGEL, JOHN H, S U N Y AT BUFFALO, P O BOX 7126, ALBANY, N Y. Computer assessment of the critically ill.	RO1GM-20334-02 (GEN) WU, TAI T, NORTHWESTERN UNIVERSITY, DEPT OF ENGR SCIS & PHYSICS, EVANSTON, ILL. Genetic manipulation of bacteria for abnormal growth.
RO1GM-20281-01 (MCHB) ADAMS, WILLIAM R, DEPT OF PATHOLOGY, U OF COLORADO MED CTR, DENVER, COLO. Trace element detection by ion induced x-rays.	RO1GM-20336-01 (MCHA) MBNGER, FREDRIC M, DEPT OF CHEMISTRY, EMORY UNIVERSITY, ATLANTA, GA. Hydrocarbon-water contact, a bioorganic approach.
RO1GM-20282-01 (MCHB) VAN RINSVELT, HENRI A, DEPT OF PHYSICS & ASTRONOMY, UNIVERSITY OF FLORIDA, GAINESVILLE, FLA. Trace element detection by ion induced X-rays.	RO1GM-20338-07 (PC) COLE, R DAVID, UNIVERSITY OF CALIFORNIA, 401 BIOCHEMISTRY BUILDING, BERKELEY, CALIF. Histone biochemistry and the influence of hormones (rats).
RO1GM-20283-02 (BIO) JACOB, SAMSON T, PENNSYLVANIA STATE UNIVERSITY, DEPT OF PHARMACOLOGY, HERSHEY, PA. Regulation of mitochondrial RNA polymerase (rats, bacteria).	RO1GM-20340-01 (PHRA) BOUSQUET, WILLIAM F, DEPT OF PHARMACOLOGY & TOX, PURDUE UNIVERSITY, LAFAYETTE, IND. Circadian rhythms in drug response and drug metabolism.
RO1GM-20284-02 (BBCA) ONSAGER, LARS, UNIVERSITY OF MIAMI, POST OFFICE BOX 9055, CORAL GABLES, FLA. Theory of polar liquids and solutions.	RO1GM-20347-01 (MCHB) ALPER, HOWARD, S U N Y - AT BINGHAMTON, DEPARTMENT OF CHEMISTRY, BINGHAMTON, N Y. Heterocyclic compounds of potential biological utility.
RO1GM-20285-02 (MBY) ROSENBERG, MIRIAM R, HARVARD MEDICAL SCHOOL, 226 WEST CANTON STREET, BOSTON, MASS. Developmental changes in erythrocyte and sperm proteins (frogs, mice).	RO1GM-20352-02 (PC) SUEOKA, NOBORU, UNIVERSITY OF COLORADO, DEPT OF MOLE, CELL-DEVELOP BIO, BOULDER, COLO. Biochemical and genetic bases of cell differentiation (bacteria, rats, mice).
RO1GM-20287-02 (BIO) MC CARTHY, BRIAN J, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY & BIOPHYS, SAN FRANCISCO, CALIF. RNA synthesis and the expression of genes (mice, sea urchins, frogs).	RO1GM-20357-01 (MCHA) NELSON, WENDEL L, UNIVERSITY OF WASHINGTON, SCHOOL OF PHARMACY BG-20, SEATTLE, WASH. Glycerol derivatives-Absolute configuration of drugs.
RO1GM-20289-01 (COM) PAVLIDIS, THEODOSIOS, DEPT OF ELECTRICAL ENGR, PRINCETON UNIV, PRINCETON, N J. Mathematical study of circadian rhythms.	RO1GM-20361-01 (GEN) SMITH, P DENNIS, DEPT OF BIOLOGY, EMORY UNIV, ATLANTA, GA. Recombination proficiency in Drosophila melanogaster.
RO1GM-20291-02 (COM) MAYALL, BRIAN H, LAWRENCE LIVERMORE LABORATORY, POST OFFICE BOX 808, LIVERMORE, CALIF. Digital microphotometry and biomedical image analysis.	RO1GM-20363-02 (GEN) GEFTER, MALCOLM L, MASSACHUSETTS INSTITUTE OF TEC, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. The mechanism and control of DNA replication (E coli, mammals).
RO1GM-20293-02 (GEN) NIEI, MASATOSHI, UNIVERSITY OF TEXAS, P O BOX 20367, ASTRODOME STN, HOUSTON, TEX. Population dynamics of mutant genes (human).	RO1GM-20366-01 (BIO) RANDO, ROBERT R, DEPT OF PHARMACOLOGY, HARVARD MED SCHOOL, BOSTON, MASS. Substrate induced irreversible inhibition of enzymes (ungulates, yeast).
RO1GM-20294-01 (BIO) KITTLE, MARY E, DEPT OF BIOLOGICAL CHEM, U OF MARYLAND SCH OF MED, BALTIMORE, MD. Dehydrogenase structure and function (rabbit, yeast, lobster).	RO1GM-20367-02 (MBC) NIEDEBMAN, ROBERT A, RUTGERS UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, NEW BRUNSWICK, N J. Molecular aspects of membrane development (bacteria).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-20371-01 (BIO) MALEY, GLADYS F, DIV OF LABS & RES, NEW YORK ST DEPT OF HEALTH, ALBANY, N Y. Regulatory processes affecting enzyme activity (bacteriophage, chick).
- RO1GM-20373-01 (GEN) STAHL, FRANKLIN W, INST OF MOLECULAR BIOLOGY, UNIVERSITY OF OREGON, EUGENE, OREG. Genetic control of myogenesis in *Drosophila*.
- RO1GM-20378-01 (BIO) HUNT, JOHN B, CATHOLIC UNIVERSITY OF AMERICA, DEPARTMENT OF CHEMISTRY, WASHINGTON, D C. Active site identification in metalloenzymes (*E. coli*).
- RO1GM-20379-02 (BIO) TRUMPOWER, BERNARD, DARTMOUTH MEDICAL SCHOOL, BIOCHEMISTRY DEPT, HANOVER, N H. Structure and function of heart membrane proteins.
- P11GM-20387-02 (PTR) GAFFNEY, THOMAS E, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, SOUTH CAROLINA. Multidisciplinary research program in pharmacology-toxicology.
- P11GM-20387-02 0001 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Metabolism of propranolol in man.
- P11GM-20387-02 0003 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Beta-blocking drug metabolism in the isolated cardiopulmonary circuit (dogs).
- P11GM-20387-02 0004 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Hypotensive effects and metabolism of propranolol (human).
- P11GM-20387-02 0005 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Pharmacological activity of metabolites of beta-blocking drugs (mammals, human).
- P11GM-20387-02 0006 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Effect of alpha- and beta-receptor agonists and antagonists on renin (dogs).
- P11GM-20387-02 0007 (PTR) BLOOMFIELD S S. Multidisciplinary research program in pharmacology-toxicology—Antiarrhythmic efficacy and metabolism of propranolol and practolol (human).
- P11GM-20387-02 0008 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Stable isotopes in clinical pharmacology and toxicology (animals, human).
- P11GM-20387-02 0009 (PTR) WALLE, T. Multidisciplinary research program in pharmacology-toxicology—GC-ECD methods for beta-receptor blocking drugs and metabolites (human).
- P11GM-20387-02 0010 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Improved methodology for isolation of polar drugs and metabolites (human).
- P11GM-20387-02 0011 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—GC-ECD and GC-MS of hydroxy acids, aldehydes and ketones and acidic drugs.
- P11GM-20387-02 0012 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Electron impact fragmentation in clinical pharmacology and toxicology.
- P11GM-20387-02 0013 (PTR) GAFFNEY, THOMAS E. Multidisciplinary research program in pharmacology-toxicology—Support program in synthetic organic chemistry.
- RO1GM-20393-01 (GEN) GEER, BILLY W, KNOX COLLEGE, DEPT OF BIOLOGY, GALESBURG, ILL. Genetic control of temperature acclimatization in insects (*Drosophila*).
- RO1GM-20395-02 (MBC) HOLDEN, JOSEPH T, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Factors affecting bacterial transport system activity.
- RO1GM-20396-02 (SSS) BRANTON, DANIEL, HARVARD UNIVERSITY, 16 DIVINITY STREET, CAMBRIDGE, MASS. Organization of normal and transformed cell membranes.
- RO1GM-20401-02 (GEN) POODRY, CLIFTON A, UNIVERSITY OF CALIFORNIA, THIMANN LABORATORIES, SANTA CRUZ, CALIF. Genetic control of development (*Drosophila*).
- RO1GM-20412-02 (MET) GROSS, STEPHEN R, UNIV OF CALIFORNIA SAN DIEGO, DEPARTMENT OF MEDICINE, LA JOLLA, CALIF. Biochemistry of inherited variations in drug response (mice).
- RO1GM-20418-01 (GEN) SAUERBIEBER, WALTER, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Method for determining units of transcription.
- RO1GM-20424-01 (MCHB) RORABACHER, DAVID B, DEPT OF CHEMISTRY, WAYNE STATE UNIVERSITY, DETROIT, MICH. Macrocyclic ligand kinetics-polythioether complexes (in vitro, in vivo).
- RO1GM-20427-02 (GEN) NOMURA, MASAYASU, INSTITUTE FOR ENZYME RESEARCH, 1710 UNIVERSITY AVENUE, MADISON, WIS. Genetics and biochemistry of ribosome biosynthesis (*E. coli*).
- RO1GM-20429-01 (GEN) SHEARN, ALLEN D, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Regulation of postembryonic development in *Drosophila*.
- RO1GM-20451-01 (MCHB) MITCHELL, DOUGLAS G, NYS DEPT OF HEALTH, HEALTH RES INC, ALBANY, N Y. Determination of trace metals in biological samples.
- RO1GM-20443-02 (MCHB) REICHARDT, PAUL B, UNIVERSITY OF ALASKA, INSTITUTE OF MARINE SCIENCE, FAIRBANKS, ALASKA. Construction of biologically important lactones (plants).
- RO1GM-20449-01 (MBC) VILLA, VICENTE D, BIOLOGY DEPT, NEW MEXICO ST UNIV BOX 3AF, LAS CRUCES, N MEX. Ribosome-membrane interaction in mitochondria (yeast).
- RO1GM-20450-01 (SSS) SUNG, YUNG-PONG, ANESTHESIA RESEARCH LAB, EMORY UNIVERSITY, ATLANTA, GA. Acupuncture anesthesia and analgesia (human).
- RO1GM-20454-02 (GEN) SHOWS, THOMAS B, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Human gene linkage relationships in call hybrids (human, mice, hamsters).
- RO1GM-20457-02 (SSS) MURPHY, ROBERT C, UNIVERSITY OF COLORADO, BOX 2737, 4200 E NINTH AVE, DENVER, COLO. GC-MS and stable isotopes in pharmacological research.
- RO1GM-20457-02 0001 (SSS) CLAY, KIRTH. GC-MS and stable isotopes in pharmacological research—Alcohols selectively toxic in the primate (monkey, human, rats, dogs).
- RO1GM-20457-02 0002 (SSS) RATTAGLIA, FREDERICK C. GC-MS and stable isotopes in pharmacological research—Body water in infants by stable oxygen labeled water (human).
- RO1GM-20457-02 0002 (SSS) RUTLEDGE, CHARLES O. GC-MS and stable isotopes in pharmacological research—Release of biogenic amines from brain by amphetamine—correlation with behavior.
- RO1GM-20457-02 0004 (SSS) WENNER, MOEMAN. GC-MS and stable isotopes in pharmacological research—Norepinephrine synthesis and neurally mediated release (rats, guinea pigs).
- RO1GM-20467-02 (GEN) CAVALLI-SPORZA, LUIGI L, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Gene diffusion, natural selection and drift in man.
- RO1GM-20470-02 (MBY) BOGORAD, LAWRENCE, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Molecular mechanisms of intracellular integration (plants, bacteria).
- RO1GM-20478-02 (BIO) DOWHAN, WILLIAM, UNIVERSITY OF TEXAS MED SCH, 6400 W CULLEN, TEXAS MED CTR, HOUSTON, TEX. Structure and function of membrane proteins (*Bacillus megaterium*).
- RO1GM-20479-01 (BIO) SPRING, THOMAS G, UNIVERSITY OF HOUSTON, 3801 CULLEN BLVD, HOUSTON, TEX. Affinity labeling of glycolytic enzymes (rabbits).
- RO1GM-20481-01 (BIO) HOWLAND, RICHARD D, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N J. Heterogeneity of UDP-glucuronyltransferase (rats).
- RO1GM-20483-01 (GEN) CEDAR, HOWARD, DEPT OF BIOCHEMISTRY, HEBREW U HADASSAH MED CTR, POB 1172 JERUSALEM, ISRAEL. Transcription of chromatin in vitro (rabbits).
- RO1GM-20485-01 (GEN) RYAN, GORDON A, DEPARTMENT OF CHEMISTRY, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Proteins involved in DNA replication (*E. coli*).
- RO1GM-20486-02 (MBC) HOCHSTADT, JOY, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWBURY, MASS. Regulation of purine utilization in bacteria.
- RO1GM-20488-02 (BSCB) MILLETT, FRANCIS S, UNIVERSITY OF ARKANSAS, DEPARTMENT OF CHEMISTRY, FAYETTEVILLE, ARK. NMR studies of membrane bound proteins (cattle, chicken).
- RO1GM-20491-01 (GEN) KITCHIN, ROBERT M, DEPT OF ZOOLOGY & PHYSIOLOGY, UNIV OF WYOMING, LARAMIE, WYO. Structure of human mitotic and meiotic chromosomes (human, insects).
- RO1GM-20492-02 (GEN) RICK, CHARLES M, UNIVERSITY OF CALIFORNIA, DEPT OF VEGETABLE CROPS, DAVIS, CALIF. Cytogenetics of differentiated chromosomes (tomatoes).
- RO1GM-20494-01 (SSS) SMITH, TEMPLE F, NORTHERN MICHIGAN UNIVERSITY, DEPT OF PHYSICS, MARQUETTE, MICH. Detailed Lac operator functional characterization (*E. coli*).
- RO1GM-20500-01 (MCHB) HUTCHINSON, C RICHARD, UNIVERSITY OF CONNECTICUT, SCHOOL OF PHARMACY, U-92, STORRS, CONN. Biogenetic C-13 enrichment of natural product drugs.
- RO1GM-20501-01 (PC) DENNIS, EDWARD A, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Action of lipolytic enzymes (bacteria, protozoa, snake venom).
- RO1GM-20507-01 (COM) WOODROOPE, MICHAEL B, DEPT OF STATISTICS, UNIV OF MICHIGAN, ANN ARBOR, MICH. Topics in sequential medical trials.
- RO1GM-20509-02 (MBC) ZUSMAN, DAVID R, UNIVERSITY OF CALIFORNIA, DEPT OF BACT & IMMUNOLOGY, BERKELEY, CALIF. Cell division and morphogenesis in bacteria.
- RO1GM-20511-01 (MCHB) MARTELL, ARTHUR E, DEPT OF CHEMISTRY, TEXAS A&M UNIVERSITY, COLLEGE STATION, TEX. Enzyme model systems containing aminoalkylphosphonic acids.
- RO1GM-20514-02 (RAD) ROONEY, JAMES A, PHYSICS DEPT, BENNETT HALL, UNIVERSITY OF MAINE, ORONO, MAINE. Sonic techniques for biological cell dispersal.
- RO1GM-20520-01 (BIO) OZOLS, JURIS, UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Cytochromes in normal and altered hepatocyte membranes (human, mammals nonhuman).
- RO1GM-20523-01 (CBY) REBHUN, LIONEL I, DEPT OF BIOLOGY, UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. Cyclic AMP and control of division in mammalian cells (tissue culture).
- RO1GM-20526-01 (PC) NIES, WILLIAM R, BIOLOGICAL SCIENCES DEPARTMENT, DREXEL UNIVERSITY, PHILADELPHIA, PA. Role of sterols in membranes.
- RO1GM-20530-02 (BSCB) MATHEWS, F SCOTT, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Structural studies of cytochrome B562 (*E. coli*).
- RO1GM-20531-01 (SOYA) GRAHAM, EDMUND F, DEPT OF ANIMAL PHYSIOLOGY, UNIV OF MINNESOTA, ST PAUL, MINN. Principles of cryopreservation.
- RO1GM-20532-01 (CBY) SINCLAIR, JOHN H, INDIANA UNIVERSITY, JORDAN HALL, BLOOMINGTON, IND. Composition and regulation of the ribosomal genome (fungi, plants, amphibians).
- RO1GM-20533-01 (MBC) UREY, JOHN C, BIOLOGY DEPT, WHEATON COLL, NORTON, MASS. NADase and the life cycle of neurospora.
- RO1GM-20535-01 (MBY) STEIN, GARY S, UNIVERSITY OF FLORIDA, DEPARTMENT OF BIOCHEMISTRY, GAINESVILLE, FLA. Gene regulation during cell cycle by acidic nuclear prot (human).
- RO1GM-20541-01 (CBY) MACKLIN, MARTIN R, CASE WESTERN RESERVE UNIV, DEPT OF BIOMEDICAL ENGINEERING, CLEVELAND, OHIO. Electrogenic properties of epithelia (hydra, toads).
- RO1GM-20543-01 (RAD) ECKELMAN, WILLIAM C, DEPT OF NUCLEAR MEDICINE, WASHINGTON HOSPITAL CENTER, WASHINGTON, DC. Technetium orthophosphate for bone imaging (dog, swine).
- RO1GM-20545-02 (BSCB) STEIN, JOSEPH M, BROWN UNIVERSITY, DEPARTMENT OF CHEMISTRY, PROVIDENCE, R I. Scanning calorimetry and dilatometry of biomembranes (bacteria, plants).
- RO1GM-20547-02 (BIO) HARDMAN, JOHN K, UNIVERSITY OF ALABAMA, DEPARTMENT OF BIOLOGY, UNIVERSITY, ALA. Structural and catalytic properties of tryptophan synthetases (bacteria).
- RO1GM-20549-02 (MBY) TISHLER, PETER V, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Fluorescence and electron microscopy of chromosomes (human, toads).
- RO1GM-20550-02 (MBY) THOMAS, GARETH, UNIVERSITY OF CALIFORNIA, DONNER LABORATORY, BERKELEY, CALIF. Radiation damage above 1 MEV in biological EM.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1GM-20560-01 (SOYB) MOSS, GERALD, DIV OF ENVIRONMENTAL ENG, RENSSELAER POLYTECHNIC INST, TROY, N. Y. Anesthesia and pathways of brain glucose oxidation (cattle).
- RO1GM-20561-02 (BBCA) YORK, SHELDON S, UNIVERSITY OF DENVER, DEPARTMENT OF CHEMISTRY, DENVER, COLO. Structure of the operator site on the Lac repressor (E coli).
- RO1GM-20564-01 (BBCA) KOLLMAN, PETER A, PHARMACEUTICAL CHEMISTRY, UNIV OF CALIFORNIA, SAN FRANCISCO, CALIF. Intermolecular interactions.
- RO1GM-20569-01 (BBCB) CHAY, TERESA R, UNIVERSITY OF PITTSBURGH, 323 CLAPP HALL, PITTSBURGH, PA. Properties of human hemoglobin and unwinding of DNA.
- RO1GM-20571-01 (BIO) MALKIN, RICHARD, UNIVERSITY OF CALIFORNIA, 251 HILGARD HALL, BERKELEY, CALIF. Iron-sulfur proteins as carriers in electron transfer.
- RO1GM-20579-01 (BIO) BUCHANAN, BOR B, UNIVERSITY OF CALIFORNIA, 251 HILGARD HALL, BERKELEY, CALIF. Regulatory mechanisms in carbohydrate synthesis (chloroplasts).
- RO1GM-20582-01 (CBY) IZZARD, COLIN S, DEPT OF BIOLOGICAL SCIENCES, ST UNIV OF NEW YORK AT ALBANY, ALBANY, N. Y. Control of calcium levels in fibroblast motility (human).
- RO1GM-20594-02 (PC) KIM, SANGDUK, TEMPLE UNIVERSITY, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Enzymatic modification of carbonyl residues in protein (rats, E coli, human).
- RO1GM-20596-02 (BBCB) LI, HSUEH-JEI, C U N Y - BROOKLYN COLLEGE, DEPARTMENT OF CHEMISTRY, BROOKLYN, N. Y. Helix-coil transition in nucleoprotein.
- RO1GM-20602-01 (MCHB) RADLICK, PHILIP C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, RIVERSIDE, CALIF 92502. Synthesis of potential new psychoactive molecules.
- RO1GM-20606-01 (SSS) ARONSON, ARTHUR I, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Morphogenesis of bacterial spores (B cereus, B subtilis).
- RO1GM-20607-01 (SSS) WRIGHT, THEODORE R, UNIVERSITY OF VIRGINIA, DEPT OF BIOLOGY-GILMER HALL, CHARLOTTESVILLE, VA. Genetic control of myogenesis in Drosophila.
- RO1GM-20608-01 (GEN) CHU, ERNEST H, UNIVERSITY OF MICHIGAN, 1137 EAST CATHERINE STREET, ANN ARBOR, MICH. Genetic control of mammalian cell metabolism (human, hamsters).
- RO1GM-20609-02 (BBCA) THOMPSON, ROBERT C, HARVARD MEDICAL SCHOOL, BACTERIAL PHYSIOLOGY UNIT, BOSTON, MASS. Photo-affinity labels as probes of ribosome function (E coli).
- RO1GM-20610-01 (BBCA) DANIELS, MALCOLM, DEPARTMENT OF CHEMISTRY, OREGON STATE UNIVERSITY, CORYALLIS, OREG. Fluorescence of nucleic acids and bases at room temperature.
- RO1GM-20617-01 (NSS) STEPHENS, RAYMOND E, SOCIETY OF GEN PHYSIOLOGISTS, MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MASS. Molecules and cell movement—A symposium (California).
- RO1GM-20619-01 (AAMS) LEDLEY, ROBERT S, NATL BIOMED RES FDM, GEORGETOWN U MED CTR, WASHINGTON, D. C. Operations research in microbiology laboratory.
- RO1GM-20621-02 (SSS) SLETTEN, IVAN W, MISSOURI INST OF PSYCHIATRY, 5400 ARSENAL STREET, ST LOUIS, MO. Hypno- and acupuncture analgesia—Physiological study (human).
- RO1GM-20626-02 (PC) MENNINGER, JOHN R, UNIVERSITY OF IOWA, DEPT OF ZOOLOGY, IOWA CITY, IOWA. Control and mechanism of protein chain termination (E coli, rats, rabbits, bears).
- RO1GM-20627-01 (BBCA) KLINMAN, JUDITH P, THE INSTITUTE FOR CANCER RES, FOX CHASE, PHILADELPHIA, PA. Enzyme catalyzed hydrogen abstraction reactions (yeast, bacteria, swine).
- RO1GM-20628-03 (MBY) DEWEY, MAYNARD M, RES FOUNDATION ST UNIV OF N Y, DEPT OF ANATOMICAL SCIS, STONY BROOK, N. Y. Structure and function of biological membranes (frogs, arachnids, rabbits).
- RO1GM-20630-02 (SOYA) BLACKBURN, GEORGE L, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. New concepts in parenteral protein sparing therapy (rats, dogs, swine).
- RO1GM-20631-01 (GEN) LEGATOR, MARVIN S, DEPT OF MEDICINE, ROGER WILLIAMS GEN HOSPITAL, PROVIDENCE, R. I. Determination of genetic repair in human subjects.
- RO1GM-20633-02 (SOYA) TRUNKY, DONALD D, SAN FRANCISCO GENERAL HOSPITAL, DEPARTMENT OF SURGERY, SAN FRANCISCO, CALIF. Cell membrane transport during shock (frogs, human, primates).
- RO1GM-20637-03 (BBCA) BILTONEN, RODNEY L, UNIVERSITY OF VIRGINIA, JORDAN MEDICAL EDUCATION BLDG, CHARLOTTESVILLE, VA. Thermodynamic studies of transfer ribonucleic acids.
- RO1GM-20639-02 (VR) LOZERON, HOMER A, ST LOUIS UNIVERSITY, 1402 S GRAND BOULEVARD, ST LOUIS, MO. Transcriptional controls in proviral and viral systems.
- RO1GM-20641-01 (MBC) LEIGHTON, TERRANCE J, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Transcriptional control of bacterial cell development.
- RO1GM-20644-01 (MBY) STEPHENS, RAYMOND E, MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MASS. Formation and function of microtubules.
- RO1GM-20645-01 (MCHB) EVILIA, RONALD F, LOUISIANA STATE UNIVERSITY, DEPT OF CHEMISTRY, NEW ORLEANS, LA. Chromatographic separations of enantiomers.
- RO1GM-20648-01 (BBCA) BUTLER, WARREN L, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Photoreceptor pigments in photosensitive organisms (Dictyostelium, Phycomyces).
- RO1GM-20656-16 (BIO) COLOWICK, SIDNEY P, VANDERBILT UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, NASHVILLE, TENN. Enzymatic oxidation and phosphorylation (yeasts).
- RO1GM-20661-01 (RAD) SIKOV, MELVIN R, PACIFIC NORTHWEST LABORATORIES, POST OFFICE BOX 999, RICHLAND, WASH. Effect of exposure of the prenatal rat to ultrasound.
- RO1GM-20662-02 (BIO) WHITE, DAVID C, FLORIDA STATE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCE, TALLAHASSEE, FLA. Formation of electron transport in Hemophilus.
- RO1GM-20664-01 (MBY) MARCUS, ABRAHAM, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Molecular regulation of cell growth in culture (peanut plant).
- RO1GM-20667-01 (SOYB) BARNES, BENJAMIN A, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Skin allograft facilitation by prior tissue culture (mice, human).
- RO1GM-20671-01 (MCHB) NOVOTNY, MILOS V, INDIANA UNIVERSITY, DEPT OF CHEMISTRY, BLOOMINGTON, IND. High resolution liquid chromatography of lipids.
- RO1GM-20672-14 (MCHA) RAMIREZ, FAUSTO, S U N Y-AT STONY BROOK, CHEMISTRY DEPT, STONY BROOK, N. Y. Superphosphorylation agents.
- RO1GM-20675-01 (MCHB) SKOGERBOE, RODNEY K, COLORADO STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, FORT COLLINS, COLO. Multielement analysis by emission spectrometry.
- RO1GM-20676-01 (MCHB) STUBBE, JOANNE, WILLIAMS COLLEGE, DEPT OF CHEMISTRY, WILLIAMSTOWN, MASS. Analogs of phosphoenolpyruvic acid.
- RO1GM-20677-01 (MCHA) VAN TAMELEN, EUGENE E, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF. Total synthesis of ribonucleic acids.
- RO1GM-20680-01 (BIO) HUSAIN, SYED S, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Investigation of tissue sulfhydryl proteinases (calf).
- RO1GM-20682-01 (BBCA) ARNOTT, STRUTHER, PURDUE UNIVERSITY, LILLY HALL OF LIFE SCIENCES, WEST LAFAYETTE, IND. Molecular geometrics of mucopolysaccharides.
- RO1GM-20687-01 (GEN) EHRLICH, MELANIE, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Modified DNA and gene therapy (mammals, bacteriophage).
- RO1GM-20690-01 (CBY) WARNER, FRED D, DEPT OF BIOLOGY, SYRACUSE UNIVERSITY, SYRACUSE, N. Y. Macromolecular basis for ciliary motility (sea urchins, mussels).
- RO1GM-20693-01 (GEN) COOPER, TERRANCE G, UNIVERSITY OF PITTSBURGH, 130 DE SOTO STREET, PITTSBURGH, PA. Genetics and isolation of a eucaryotic control protein (yeast).
- RO1GM-20700-01 (GEN) CROCE, CARLO M, WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Enzyme markers in the mapping of human genes.
- RO1GM-20702-01 (GEN) TURNER, JOHN R, S U N Y - AT STONY BROOK, DIV OF BIOLOGICAL SCIENCES, STONY BROOK, N. Y. Genetic architecture of adaptive racial differences (butterflies, silkworms).
- RO1GM-20707-01 (MCHB) COHEN, THEODORE, UNIVERSITY OF PITTSBURGH, CHEMISTRY DEPT, ALUMNI HALL, PITTSBURGH, PA. Biogenesis of cyclopropane rings.
- RO1GM-20716-01 (BIO) SUBLTER, CLARENCE H, MICHIGAN STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, EAST LANSING, MICH. Comparative enzymology of normal and abnormal tissue (pigs, human).
- RO1GM-20726-01 (BIO) DWAN, JOYCE J, RENSSELAER POLYTECHNIC INST, COGSWELL BUILDING, TROY, N. Y. Potassium ion transport in liver mitochondria (rats).
- RO1GM-20727-01 (BIO) MARTINEZ-CARRION, MARINO, UNIVERSITY OF NOTRE DAME, DEPT OF CHEMISTRY, NOTRE DAME, IND. Probes of molecular function in pyridoxal enzymes (mammals).
- RO1GM-20728-01 (MBC) STRAUSS, NORMAN, S U N Y - AT BUFFALO, HEALTH SCIENCES BLDG, RM 1, BUFFALO, N. Y. Regulatory factors of sporulation in Bacillus subtilis.
- RO1GM-20729-01 (BBCA) MAUZERALL, DAVID, ROCKEFELLER UNIVERSITY, NEW YORK, N. Y. Photobiological systems and membrane interfaces.
- RO1GM-20730-01 (RAD) LIU, MAI-SHIAN, HEKTOEN INSTITUTE FOR MED RES, 627 SOUTH WOOD STREET, CHICAGO, ILL. Perfluorocytbromide in myelography and lymphography.
- RO1GM-20731-01 (GEN) SELANDER, ROBERT K, UNIVERSITY OF TEXAS, PATTERSON LABS 421, AUSTIN, TEX. Genetic aspects of social behavior in hymenoptera.
- RO1GM-20737-01 (MBC) OXENDER, DALE L, UNIVERSITY OF MICHIGAN, 5319 MEDICAL SCIENCE BLDG I, ANN ARBOR, MICH. Transport components from eukaryotes and bacteria.
- RO1GM-20739-01 (GEN) STADLER, JOAN K, IOWA STATE UNIVERSITY, 8 CURTISS HALL, AMES, IOWA. Genetic analysis of human lymphocytes in culture.
- RO1GM-20755-01 (MBC) TIPPER, DONALD J, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Inhibitors of yeast RNA polymerases.
- RO1GM-20758-01 (PC) MATSCHINSKY, FRANZ M, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Prostaglandin dehydrogenase (cattle, rodents, human).
- RO1GM-20759-01 (BIO) HOPPER, SARAH P, UNIVERSITY OF PITTSBURGH, 3501 TERRACE STREET, PITTSBURGH, PA. Ribonucleotide reduction in mammalian cells (rabbits).
- RO1GM-20763-01 (BIO) CAPRIOLI, RICHARD M, PURDUE UNIVERSITY, DEPT OF CHEMISTRY, WEST LAFAYETTE, IND. Probe into mechanisms of action of aldolases (rabbit, yeast, bacteria, spinach).
- RO1GM-20767-01 (CBY) MC CONKEY, EDWIN H, UNIVERSITY OF COLORADO, DEPT OF MOLEC, CELL & DEV BIO, BOULDER, COLO. Messenger RNA and differentiation of animal cells (mice, sea urchins).
- RO1GM-20770-01 (GEN) SANDERS, THOMAS O, PRINCETON UNIVERSITY, DEPT OF BIOLOGY, GUYOT HALL, PRINCETON, N. J. Y chromosome structure and regulation in Drosophila.
- RO1GM-20774-01 (RAD) ZATZ, LESLIE M, DEPARTMENT OF RADIOLOGY, STANFORD UNIV SCHOOL OF MED, STANFORD, CALIF. Ultrasonic camera for soft tissue imaging—Part B (human).
- RO1GM-20778-05 (BIO) SAGERS, RICHARD D, BRIGHAM YOUNG UNIVERSITY, 751 WIDTSOE BUILDING, PROVO, UTAH. Glycine metabolism—Enzymes and cofactors (bacteria).
- RO1GM-20779-01 (MBY) ELGIN, SARAH C, HARVARD UNIVERSITY, CAMBRIDGE, MASS. Nonhistone chromosomal proteins (Drosophila).
- RO1GM-20780-01 (MCHA) BALDWIN, STEVEN W, DUKE UNIVERSITY, GROSS CHEMICAL LABORATORY, DURHAM, N. C. Photochemical annulations with alpha-formyl ketones.
- RO1GM-20784-01 (PC) WHITELEY, HELEN R, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MICROBIOLOGY, SEATTLE, WASH. Regulation of RNA synthesis (B. subtilis, phages).
- RO1GM-20787-01 (RAD) KEYES, JOHN W, JR, STRONG MEMORIAL HOSPITAL, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Radionuclide quantitative spatial imaging.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01GM-20793-01 (MCHB) BROWN, COSTELLO L.** CALIFORNIA STATE UNIVERSITY, 5151 STATE UNIVERSITY DRIVE, LOS ANGELES, CALIF. Negative ion studies of bioorganic molecules.
- R01GM-20795-01 (MCHB) KOIRTYOHANN, S R.** ENV TRACE SUBSTANCES RES CTR, ENVIRONMENTAL TRACE SUBSTANCES, COLUMBIA, MO. Biological trace metal atomic emission spectrometer.
- R01GM-20798-01 (BBCB) KLOTZ, LYNN C.** HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. Physical properties of DNA renaturation kinetics.
- R01GM-20800-01 (BBCB) MC QUARRIE, DONALD A.** INDIANA UNIVERSITY, DEPARTMENT OF CHEMISTRY, BLOOMINGTON, IND. Force balance in polyelectrolyte systems.
- R01GM-20803-01 (BBCB) HANSON, DAVID M.** STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF CHEMISTRY, STONY BROOK, N. Y. Spectroscopic investigation of conformational changes.
- R01GM-20804-01 (BBCB) WORTHINGTON, C R.** CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Molecular structure of sarcoplasmic reticulum (rodents, rabbits, chicken, frog).
- R01GM-20805-01 (BBCA) WEHRY, EARL L.** UNIVERSITY OF TENNESSEE, DEPARTMENT OF CHEMISTRY, KNOXVILLE, TENN. Interactions of metals with photoexcited flavins.
- R01GM-20813-01 (PC) IHLE, GARRET M.** DEPT OF BIOCHEMISTRY, U OF PITTSBURGH SCH OF MED, PITTSBURGH, PA. Role of DNA in DNA, RNA and protein synthesis (bacteria, viruses, HeLa cells).
- R01GM-20817-01 (PC) LINDQUIST, ROBERT N.** CALIFORNIA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, SAN FRANCISCO, CALIF. Mechanisms of enzymatic catalysis (human, bacteria).
- R01GM-20818-01 (PC) RHOADS, ROBERT E.** DEPT OF BIOCHEMISTRY, U OF KENTUCKY COLL OF MED, LEXINGTON, KY. Regulation of ovalbumin synthesis in chick oviduct.
- P01GM-20832-01 (SSS) LEDERBERG, JOSHUA.** STANFORD UNIVERSITY, DEPT OF GENETICS, STANFORD, CALIF. Genetic research project.
- P01GM-20832-01 0001 (SSS) LEDERBERG, JOSHUA.** Genetic research project-Body fluids gas chrom./mass spec. of inborn errors (adults, infants).
- P01GM-20832-01 0002 (SSS) HERZENBERG, LEONARD A.** Genetic research project-Fetal tissue from maternal blood stream in prenatal diagnosis (human, animals).
- P01GM-20832-01 0003 (SSS) CANN, HOWARD.** Genetic research project-Polymorphic gene markers in amniotic fluid (human).
- P01GM-20832-01 0004 (SSS) CAVALLI, SPORZA, L.** Genetic research project-Genetic polymorphism and variants of binding proteins in blood (human).
- P01GM-20832-01 0005 (SSS) BARNETT, CLIFFORD R.** Genetic research project-Impact of genetic counseling on family.
- R01GM-20834-01 (RAD) O'LOUGHLIN, BERNARD J.** DEPT OF RADIOLOGICAL SCIENCES, UNIV OF CALIFORNIA, IRVINE, IRVINE, CALIF. Acoustical holography medical imaging.
- R01GM-20835-01 (BIO) PARSONS, STANLEY M.** UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, SANTA BARBARA, CALIF. Feedback inhibition of PRATP synthetase.
- R01GM-20851-01 (GEN) LANG, DIMITRIJ.** UNIVERSITY OF TEXAS, POST OFFICE BOX 30365, DALLAS, TEX. Electron microscopy of DNA of cells and viruses.
- P11GM-20852-01 (SRC) GIBALDI, MILO, S U N Y - AT BUFFALO.** 3435 MAIN STREET, BUFFALO, N. Y. Clinical pharmacokinetics and biopharmaceutics.
- P11GM-20852-01 0001 (SRC) JUSKO, WILLIAM J.** Clinical pharmacokinetics and biopharmaceutics-Clinical pharmacokinetics of digoxin (human).
- P11GM-20852-01 0002 (SRC) JUSKO, WILLIAM J.** Clinical pharmacokinetics and biopharmaceutics-Clinical pharmacokinetics of selected antibiotics (human, bacteria).
- P11GM-20852-01 0003 (SRC) JUSKO, WILLIAM J.** Clinical pharmacokinetics and biopharmaceutics-Pharmacokinetic guidance of patient dosage regimens.
- P11GM-20852-01 0004 (SRC) JUSKO, WILLIAM J.** Clinical pharmacokinetics and biopharmaceutics-Clinical pharmacokinetics of theophylline and isoproterenol (human).
- P11GM-20852-01 0005 (SRC) JUSKO, WILLIAM J.** Clinical pharmacokinetics and biopharmaceutics-Clinical pharmacokinetics of anticonvulsant drugs (human).
- P11GM-20852-01 0006 (SRC) LEVY, GERHARD.** Clinical pharmacokinetics and biopharmaceutics-Kinetics of drug action-Anticoagulants (rats, human).
- P11GM-20852-01 0007 (SRC) LEVY, GERHARD.** Clinical pharmacokinetics and biopharmaceutics-Effect of disease on bioavailability of drugs-Ileostomy and colostomy (human).
- P11GM-20852-01 0008 (SRC) GIBALDI, MILO.** Clinical pharmacokinetics and biopharmaceutics-Effect of antacids on urine pH (human).
- P11GM-20852-01 0009 (SRC) GIBALDI, MILO.** Clinical pharmacokinetics and biopharmaceutics-Physiologically based pharmacokinetic models.
- P11GM-20852-01 0010 (SRC) GIBALDI, MILO.** Clinical pharmacokinetics and biopharmaceutics-Plasma concentration and bioavailability monitoring of drugs (human).
- P11GM-20852-01 0011 (SRC) JUSKO, WILLIAM J.** Clinical pharmacokinetics and biopharmaceutics-Kinetics of differential cytotoxicity.
- R01GM-20853-14 (PC) BENDER, MYRON L.** NORTHWESTERN UNIVERSITY, 2145 SHERIDAN ROAD, EVANSTON, ILL. Mechanisms of enzyme action (human, mammals nonhuman, bacteria, fungi).
- R01GM-20861-01 (BBCA) OLSON, WILMA A.** RUTGERS UNIVERSITY, DEPARTMENT OF CHEMISTRY, NEW BRUNSWICK, N. J. Nucleic acid conformation and properties.
- R01GM-20866-01 (BBCA) KOHEN, ELLI.** PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. Regulation of intra and intercellular communication.
- R01GM-20868-01 (SSS) BOURGEOIS-COHN, SUZANNE.** SALK INST FOR BIO STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Regulation in E coli extended to lymphomas (mice).
- R01GM-20869-01 (SSS) LEVI SETTI, RICCARDO.** ENRICO FERMI INSTITUTE, 5630 ELLIS AVENUE, CHICAGO, ILL. Experimental 100 KEV proton scanning microscope.
- R01GM-20871-01 (GEN) WEISBLUM, BERNARD.** UNIVERSITY OF WISCONSIN, DEPARTMENT OF PHARMACOLOGY, MADISON, WIS. Studies of human chromosomal DNA (and *Drosophila*).
- R01GM-20878-01 (BIO) VANDERLINDER, RAYMOND E.** NEW YORK STATE DEPT OF HLTH, NEW SCOTLAND AVENUE, ALBANY, N. Y. Optimized inter-laboratory enzyme assays-LDH, AsPAT (human).
- R01GM-20879-01 (BIO) BOEKER, ELIZABETH A.** UNIVERSITY OF WASHINGTON, DEPARTMENT OF BIOCHEMISTRY, SEATTLE, WASH. Histamine biosynthesis (mammals).
- R01GM-20880-01 (MBC) JACKSON, JULIUS H.** MEHARRY MEDICAL COLLEGE, 1005 18TH AVE NORTH, NASHVILLE, TENN. Common points regulating enzyme biosynthesis (bacteria).
- R01GM-20883-01 (BBCB) HARTSUCK, JEAN A.** OKLAHOMA MEDICAL RESEARCH FDN, 825 N E 13TH STREET, OKLAHOMA CITY, OKLA. Crystal structure of human serum albumin.
- R01GM-20884-01 (MBC) FUCHS, JAMES A.** UNIVERSITY OF MINNESOTA, DEPT OF BIOCHEMISTRY, ST PAUL, MINN. Deoxyribonucleotide metabolism in *Escherichia coli*.
- R01GM-20885-01 (RAD) FISCHER, HARRY W.** UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Radiographic visualization of liver and spleen (human, rats, dogs).
- R01GM-20888-17 (BIO) JENCKS, WILLIAM P.** GRAD DEPT OF BIOCHEMISTRY, BRANDEIS UNIV 415 SOUTH STREET, WALTHAM, MASS. Chemistry and biochemistry of energy transfer.
- R01GM-20889-01 (GEN) MEISLER, MIRIAM H.** S U N Y - BUFFALO, MAIN STREET 656 CAPEN HALL, BUFFALO, N. Y. Genetic regulation of beta-galactosidase (mice, human).
- R01GM-20901-01 (PTHB) VAN DILLA, MARVIN A.** LAWRENCE LIVERMORE LABORATORY, POST OFFICE BOX 808, LIVERMORE, CALIF. Flow systems-Cell preparation, cytochemistry, pathology (human, animals).
- R01GM-20903-01 (GEN) SING, CHARLES F.** UNIV OF MICH MED SCH, DEPT OF HUMAN GEN, ANN ARBOR, MICH. Genetic unit of selection (*Drosophila*).
- R01GM-20906-01 (GEN) FINNERTY, VICTORIA M.** UNIVERSITY OF CONNECTICUT, BOX U-125, STORRS, CONN. Regulation of gene expression in *Drosophila*.
- R01GM-20909-01 (MBC) MASON, THOMAS L.** UNIVERSITY OF MASSACHUSETTS, DEPT OF BIOCHEMISTRY, AMHERST, MASS. A genetic approach to membrane assembly.
- R01GM-20910-01 (CBY) KANEHIRO, EDNA S.** UNIVERSITY OF CINCINNATI, DEPT OF BIOLOGICAL SCIS, CINCINNATI, OHIO. Membrane alterations in behavioral mutants (*Parmecium*).
- R01GM-20919-01 (GEN) EICHER, EVA M.** JACKSON LABORATORY, BAR HARBOR, MAINE. Cytogenetics of the mouse.
- R01GM-20922-01 (GEN) ELLISON, JOHN R.** CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Cytochemistry and structure of chromosomes (hamsters, flies).
- R01GM-20926-01 (MBY) QUACKENBUSH, LARRY E.** UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ENDODONTICS, FARMINGTON, CONN. Lysosomal membranes-Chemical composition (rats, rabbits, human).
- P01GM-20927-01 (SSS) DAVIDSON, ERIC H.** CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Sequence structure of eukaryotic genome.
- P01GM-20927-01 0001 (SSS) DAVIDSON, NORMAN.** Sequence structure of eukaryotic genome-Fraction identification by ferritin labels on repetitive DNA sequences.
- P01GM-20927-01 0002 (SSS) BRITTEN, ROY J.** Sequence structure of eukaryotic genome-Nitrocellulose columns for DNA fragments.
- P01GM-20927-01 0003 (SSS) BRITTEN, ROY J.** Sequence structure of eukaryotic genome-Single and double strand specific nucleases for DNA fractionation.
- P01GM-20927-01 0004 (SSS) DAVIDSON, NORMAN.** Sequence structure of eukaryotic genome-tRNA genes of *Drosophila*.
- P01GM-20927-01 0005 (SSS) DAVIDSON, NORMAN.** Sequence structure of eukaryotic genome-Mapping globin genes (mice, rabbits, ducks).
- P01GM-20927-01 0006 (SSS) DAVIDSON, NORMAN.** Sequence structure of eukaryotic genome-Mapping the modes of integration of cancer viruses (SV40).
- P01GM-20927-01 0007 (SSS) DAVIDSON, ERIC H.** Sequence structure of eukaryotic genome-Sequence content of birhoax region of *Drosophila*.
- P01GM-20927-01 0008 (SSS) DAVIDSON, ERIC H.** Sequence structure of eukaryotic genome-Reassociation products of known length DNA fragments (*Xenopus*).
- P01GM-20927-01 0009 (SSS) BONNER, JAMES.** Sequence structure of eukaryotic genome-Characterization of rat and human genome.
- P01GM-20927-01 0010 (SSS) BONNER, JAMES.** Sequence structure of eukaryotic genome-Repetitive sequences and chromosomal proteins (*Drosophila*).
- P01GM-20927-01 0011 (SSS) DAVIDSON, ERIC H.** Sequence structure of eukaryotic genome-Sequence content of folded circles (*Xenopus*).
- P01GM-20927-01 0012 (SSS) BRITTEN, ROY J.** Sequence structure of eukaryotic genome-Are interspersed single copy sequences really single copy (*Xenopus*).
- P01GM-20927-01 0013 (SSS) BRITTEN, ROY J.** Sequence structure of eukaryotic genome-Frequency versus precision of repetition (calves).
- P01GM-20927-01 0014 (SSS) BONNER, JAMES.** Sequence structure of eukaryotic genome-Longer repetitive regions, satellites and clusters (*Xenopus*, sea urchin).
- P01GM-20927-01 0015 (SSS) BRITTEN, ROY J.** Sequence structure of eukaryotic genome-Comparative studies of sequence arrangement.
- P01GM-20927-01 0016 (SSS) BRITTEN, ROY J.** Sequence structure of eukaryotic genome-Relationships among interspersed and clustered repetitive sequences.
- P01GM-20927-01 0017 (SSS) DAVIDSON, ERIC H.** Sequence structure of eukaryotic genome-Evolutionary rearrangement of moderately repetitive sequence elements.
- R01GM-20940-11 (PC) ROSE, IRWIN A.** INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Enzyme mechanisms of C-H bond activation (rabbits, yeasts).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01GM-20943-01 (B0CB) HURST, JAMES K, OREGON GRADUATE CENTER, 19600 N W WALKER ROAD, BEAVERTON, OREG. Mechanisms of biological redox reactions of copper.	P01GM-21054-01 0003 (SSS) PALMER, C G. Human genetics center-Cytogenetics core laboratory.
R01GM-20946-01 (B0) DAVIS, FRANK F, DEPARTMENT OF BIOCHEMISTRY, RUTGERS UNIVERSITY, NEW BRUNSWICK, N. J. Nonimmunogenic enzymes for therapeutic use (mammals, fungi, bacteria).	P01GM-21054-01 0004 (SSS) CHRISTIAN, J. C. Human genetics center-Half sibs.
R01GM-20947-02 (B0) MARINKOVIC, DOBRIVOJE, UNIV OF TEXAS SW MED SCHOOL, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Structure and function of beta-galactosidase from E coli.	P01GM-21054-01 0005 (SSS) CONNEALLY, P. M. Human genetics center-Genetic linkage.
R01GM-20964-01 (G0BN) WEIGERT, MARTIN G, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Genetic control of antibody structure (mice).	P01GM-21054-01 0006 (SSS) MERRIT, A DONALD. Human genetics center-Sell-vary proteins.
R01GM-20969-02 (B0CA) INNERS, LAMAR D, UNIVERSITY OF TEXAS, 6420 LAMAR FLEMING BLYD, HOUSTON, TEX. Conformation of single-stranded DNA in solution.	P01GM-21054-01 0007 (SSS) HODES, M E. Human genetics center-Biochemical evolution of functionally related enzymes.
R01GM-20977-01 (B0) CAUTHEN, SALLY E, NORTHEASTERN LOUISIANA UNIV, DEPT OF CHEMISTRY, MONROE, LA. Purification of cocaine esterase and atropinesterase (rabbit, human).	P01GM-21054-01 0008 (SSS) BUXLER, DAVID. Human genetics center-New genetic syndromes.
R01GM-20980-01 (RAD) CARLSSON, S BRNK, UNIVERSITY OF CALIFORNIA SAN FRANCISCO, CALIF. Thrombotic complication of catheter angiography (dogs).	P01GM-21054-01 0009 (SSS) BRANDT, IRA K. Human genetics center-Biochemical genetic studies.
R01GM-20992-01 (MCHB) ASHE, ARTHUR J, 3D, UNIVERSITY OF MICHIGAN, DEPT OF CHEMISTRY, ANN ARBOR, MICH. Phosphorus analogues of biologically active pyridines.	P01GM-21054-01 0010 (SSS) NANCE, W E. Human genetics center-Hereditary deafness.
R01GM-20998-01 (RAD) LONG, DAVID, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Bronchography with brominated fluorocarbon (rats, dogs, rabbits, monkeys).	P01GM-21054-01 0011 (SSS) ANTLEY, RAY. Human genetics center-Genetic counseling in Down's syndrome.
R01GM-21000-01 (MBY) BANCROFT, F CARTER, COLUMBIA UNIVERSITY, DEPT OF BIOLOGICAL SCI, NEW YORK, N. Y. Regulation of growth hormone messenger RNA (rats).	P01GM-21056-01 (SSS) HENCH, LARRY L, UNIVERSITY OF FLORIDA, MATERIALS ENGINEERING BLDG, GAINESVILLE, FLA. Interfacial behavior of biomaterials.
R01GM-21002-01 (MBY) ARPIN, STUART M, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, IRVINE, CALIF. Aminocycl-tryptophan synthetase formation in animal cells.	P01GM-21056-01 0001 (SSS) HENCH, LARRY L. Interfacial behavior of biomaterials-Materials design, development and characterization.
R01GM-21006-01 (MBC) PIERUCCI, OLGA, BIOLOGY SEC, ROSWELL PARK MEMORIAL INST, BUFFALO, N. Y. The bacterial envelope in cell duplication.	P01GM-21054-01 0002 (SSS) SHAMI, D O. Interfacial behavior of biomaterials-Materials-metabolic interactions.
R01GM-21012-01 (GEN) MAGEE, PAUL T, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Mutations affecting RNA polymerases of mammalian cells (mice, human).	P01GM-21054-01 0002 (SSS) ONODA, GEORGE Y, JR. Interfacial behavior of biomaterials-Electrokinetics.
R01GM-21014-01 (GEN) SHIM, SEUNG-H, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Molecular genetics of somatic cell mutation (cell culture, mice).	P01GM-21056-01 0004 (SSS) PASCHALL, HOMER A. Interfacial behavior of biomaterials-Tissue culture evaluation of normal and malignant cells.
R01GM-21015-01 (SSS) WARNER, HUBER R, UNIVERSITY OF MINNESOTA, DEPARTMENT OF BIOCHEMISTRY, ST PAUL, MINN. Ribonucleoside diphosphate reductase (E cell mutants).	P01GM-21056-01 0006 (SSS) FINLAYSON, B. Interfacial behavior of biomaterials-Urolithiasis and urological devices (human, models).
R01GM-21016-01 (MBY) FINGER, IRVING, BIOLOGY DEPT, HAVERFORD COLL, HAVERFORD, PA. Surface protein transformation.	P01GM-21056-01 0007 (SSS) SHAH, D O. Interfacial behavior of biomaterials-Materials surfaces for hyperlipidemia detection.
P01GM-21017-01 (SSS) MARGULIS, ALEXANDER R, DEPT OF RADIOLOGY, UNIV OF CALIFORNIA, SAN FRANCISCO, CALIF. Diagnostic radiology method development.	P01GM-21056-01 0008 (SSS) POLACK, FRANK M. Interfacial behavior of biomaterials-Artificial corneas (rabbits, monkeys).
P01GM-21017-01 0002 (SSS) MARGULIS, ALEXANDER R. Diagnostic radiology method development-Evaluation of pancreatic exocrine function and maldigestion (dogs, human).	P01GM-21056-01 0011 (SSS) POTROWSKI, GEORGE. Interfacial behavior of biomaterials-Fixation of joint prostheses (monkeys).
P01GM-21017-01 0007 (SSS) KAUFMAN, LEON. Diagnostic radiology method development-Medical applications of fluorescence analysis (dogs, human).	P01GM-21056-01 0012 (SSS) BLACK, FRANKLIN O. Interfacial behavior of biomaterials-Middle ear prostheses (monkeys, human).
P01GM-21017-01 0009 (SSS) GAMSU, OORDON. Diagnostic radiology method development-Absolute lung density measurement in pulmonary edema (dogs).	P01GM-21056-01 0014 (SSS) VIERCK, CHARLES J, JR. Interfacial behavior of biomaterials-Electrical analgesia electrodes (monkeys).
P01GM-21017-01 0010 (SSS) HINCHCLIFFE, WARREN A. Diagnostic radiology method development-Radiologic and physiologic studies of pulmonary veins in intact animals (dogs).	R01GM-21059-01 (CBY) LUCK, DAVID J, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N. Y. Biogenesis of mitochondria (Neurospora).
P01GM-21017-01 0012 (SSS) PEREZ-MENDEZ, VICTOR. Diagnostic radiology method development-Xenon filled chambers and Fresnel zone plate for radionuclide imaging.	R01GM-21060-01 (MBC) CHUA, NAM-HAI, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N. Y. Membrane-bound ribosomes in chloroplasts and bacteria.
R01GM-21020-01 (GEN) MILLER, OSCAR L, JR, UNIVERSITY OF VIRGINIA, DEPT OF BIO, GILMER HALL, CHARLOTTESVILLE, VA. Ultrastructural studies of genetic activity (animals).	R01GM-21063-01 (B0CA) WHITE, ROBERT D, WESLEYAN UNIVERSITY, DEPT OF CHEMISTRY, MIDDLETOWN, CONN. Interaction of sound with proteins.
R01GM-21024-01 (SSS) BLUMENTHAL, THOMAS, INDIANA UNIVERSITY, DEPT OF MICROBIOLOGY, BLOOMINGTON, IND. Qbeta replicase and protein synthesis T-factor.	R01GM-21067-01 (G0BN) ORIAS, EDUARDO, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL SCIENCES, SANTA BARBARA, CALIF. Genetic dissection of phagocytosis in tetrahymena.
R01GM-21029-01 (CBY) STARR, RICHARD C, INDIANA UNIVERSITY, JORDAN HALL 263, BLOOMINGTON, IND. Control of cellular differentiation (velvov).	R01GM-21070-01 (G0BN) ROUFA, DONALD J, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Control of DNA replication in animal cells and virus.
R01GM-21034-01 (MCHB) DRYHURST, GLENN, UNIVERSITY OF OKLAHOMA, 620 PARRINGTON OVAL, NORMAN, OKLA. Electrochemistry and interfacial behavior of purines.	R01GM-21073-01 (SSS) OISHI, MICHIO, PH RES INST/CITY OF N. Y. INC, 455 FIRST AVENUE, NEW YORK, N. Y. The molecular mechanism of genetic recombination (E coli).
R01GM-21040-01 (MBY) STEPHENS, RAYMOND E, DEPT OF BIOLOGY, BRANDEIS UNIV, WALTHAM, MASS. Microtubule substructure (sea urchin, bay scallop, mussel).	R01GM-21075-01 (SGYA) DRUCKER, WILLIAM R, UNIVERSITY OF VIRGINIA, MEDICAL CENTER, CHARLOTTESVILLE, VA. Metabolic basis for homeostasis in shock (rats, dogs, monkeys).
R01GM-21042-01 (PHRA) BISSSELL, DWIGHT M, JR, UNIVERSITY OF CALIFORNIA, GASTROINTESTINAL RESEARCH, SAN FRANCISCO, CALIF. Regulation of biotransformation in the liver.	R01GM-21076-01 (MCHB) WENKERT, ERNEST, DEPARTMENT OF CHEMISTRY, RICE UNIVERSITY, HOUSTON, TEX. A general scheme for alkaloid syntheses.
R01GM-21045-02 (BND) SLAUNWHITE, W ROY, JR, S U N Y - AT BUFFALO, DEPARTMENT OF BIOCHEMISTRY, BUFFALO, N. Y. The structure of human transcortin.	R01GM-21077-01 (MBY) SATHI, BIRGIT H, UNIVERSITY OF CALIFORNIA, 2549 LIFE SCIENCES BUILDING, BERKELEY, CALIF. Membranes prior to and during fusion in secretion (protozoa, mammals).
R01GM-21047-01 (B0CA) DORSET, DOUGLAS L, MEDICAL FOUNDATION OF BUFFALO, 73 HIGH STREET, BUFFALO, N. Y. Electron diffraction of membrane phospholipids.	R01GM-21060-01 (MBY) FAHNESTOCK, STEPHEN R, PENNSYLVANIA STATE UNIVERSITY, ALTHOUSE LABORATORY, UNIVERSITY PARK, PA. Defective protein synthesis by modified ribosomes (bacteria).
R01GM-21050-01 (MBC) PTASHNE, MARK S, HARVARD UNIVERSITY, BIOLOGY DEPARTMENT, CAMBRIDGE, MASS. Molecular mechanism of control of gene function (bacteriophage, bacteria).	R01GM-21054-01 (B0) HORVATH, CSABA G, MASON LABORATORY, 9 HILL-HOUSE AVENUE, NEW HAVEN, CONN. Immobilized enzyme systems for use in cancer research.
R01GM-21052-01 (MBC) MC CLURE, WILLIAM R, HARVARD UNIVERSITY, DEPT OF BIOCHEMISTRY, CAMBRIDGE, MASS. Mechanism and regulation of E. coli RNA polymerase.	R01GM-21085-01 (B0) YASUNOBU, KERRY T, UNIVERSITY OF HAWAII, 2538 THE MALL SYNDER 401, HONOLULU, HAWAII. Bovine lysyl oxidase and elastin.
P01GM-21054-01 (SSS) NANCE, WALTER E, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Human genetics center.	R01GM-21091-01 (B0) PURICH, DANIEL L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, SANTA BARBARA, CALIF. cAMP stimulated protein kinase-Mechanism and control (rats, cattle).
P01GM-21054-01 0001 (SSS) KANG, K W. Human genetics center-Computer core laboratory.	R01GM-21093-01 (MCHA) ZEMALICKA, JIRI, MICHIGAN CANCER FOUNDATION, 110 EAST WARREN AVENUE, DETROIT, MICH. Transition state models of protein synthesis.
P01GM-21054-01 0002 (SSS) REED, T E. Human genetics center-Genotyping core laboratory.	R01GM-21095-01 (PC) SMALL, GARY D, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILLION, S DAK. DNA metabolism in eukaryotes (green algae).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1GM-21098-01 (MBC) FRAENKEL, DAN G, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Microbial mutants in central carbohydrate metabolism (*E. coli*).
- RO1GM-21099-01 (SSS) PERL, EDWARD R, UNIVERSITY OF NORTH CAROLINA, DEPT OF PHYSIOLOGY, CHAPEL HILL, N. C. A controlled study of acupuncture and skin sensation (human).
- RO1GM-21106-01 (GEN) HALL, LINDA M, MASSACHUSETTS INST OF TECH, DEPARTMENT OF BIOLOGY, CAMBRIDGE, MASS. Neurological mutants of *Drosophila melanogaster*.
- RO1GM-21110-01 (GEN) FRANCKE, UTA, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109 -RM 4046 BSB, LA JOLLA, CALIF. Intrachromosomal gene mapping in man.
- RO1GM-21111-02 (BBCB) BALDESCHWIELER, JOHN D, CALIFORNIA INST OF TECHNOLOGY, 1201 E CALIFORNIA BOULEVARD, PASADENA, CALIF. Study of biomolecules by magnetic resonance methods.
- RO1GM-21119-01 (SSS) GUTHRIE, CHRISTINE, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYSICS, SAN FRANCISCO, CALIF. Biosynthesis of bacteriophage T4 transfer RNAs.
- RO1GM-21120-01 (SSS) CARUTHERS, MARVIN H, UNIVERSITY OF COLORADO, DEPARTMENT OF CHEMISTRY, BOULDER, COLO. Chromosome DNA regulatory regions (lambda phage, rodents, rabbits, *Xenopus*, *HeLa*).
- RO1GM-21121-01 (GEN) LATT, SAMUEL A, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Protein-DNA interactions in human chromosomes.
- RO1GM-21123-01 (GEN) STEFFENSEN, DALE M, UNIVERSITY OF ILLINOIS, BOTANY DEPARTMENT, URBANA, ILL. Gene localization in man using RNA-DNA hybridization.
- RO1GM-21127-01 (BBCA) DE VRIES, ARTHUR L, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 1529, LA JOLLA, CALIF. Serum glycoproteins as cryoprotective agents (antarctic fish).
- RO1GM-21128-01 (BBCB) NAGLE, JOHN F, CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Biomembrane transitions-Density measurements.
- RO1GM-21129-01 (BBCB) KRETSINGER, ROBERT H, UNIVERSITY OF VIRGINIA, GILMER HALL, CHARLOTTESVILLE, VA. Ribosomal protein crystals-Growth and x-ray (bacteria).
- RO1GM-21130-01 (BAM) ORDAL, GEORGE W, UNIVERSITY OF ILLINOIS, DEPT OF BIOCHEMISTRY, URBANA, ILL. Phototactic and chemotactic behavior of bacteria.
- RO1GM-21131-24 (MBC) NASON, ALVIN, DEPT OF BIOLOGY, JOHNS HOPKINS UNIV, BALTIMORE, MD. Enzymology of nitrate respiration and assimilation (plants, microorganisms).
- RO1GM-21135-01 (GEN) EWENS, WARREN J, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Stochastic processes in genetic populations (human).
- RO1GM-21136-01 (GEN) THOMAS, CHARLES A, JR, HARVARD MEDICAL SCHOOL, BUILDING C-2, FLOOR 3, BOSTON, MASS. Molecular cytogenetics of lampbrush chromosomes.
- RO1GM-21137-01 (GEN) KOER, JOHN A, JR, DEPARTMENT OF GENETICS, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Genetic control of development (*Drosophila*).
- RO1GM-21147-01 (BBCB) MC CLAIN, WILLIAM M, WAYNE STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, DETROIT, MICH. Polarized resonance Raman scattering of polymers.
- RO1GM-21148-01 (BBCB) LICHTER, ROBERT L, HUNTER COLLEGE, 695 PARK AVENUE, BOX 1002, NEW YORK, N. Y. Natural abundance ¹⁵N NMR studies for biochemistry.
- RO1GM-21149-01 (BBCB) HUDSON, BRUCE S, STANFORD UNIVERSITY, DEPARTMENT OF CHEMISTRY, STANFORD, CALIF. Electronic and Raman spectral studies of membranes.
- RO1GM-21151-01 (PC) CHLADEK, STANISLAV, MICHIGAN CANCER FOUNDATION, 110 EAST WARREN AVENUE, DETROIT, MICH. Recognition of normal and neoplastic tRNA by ribosomes (rats, yeast, *E. coli*).
- RO1GM-21152-01 (CBY) HARRIS, PATRICIA J, UNIVERSITY OF OREGON, BIOLOGY DEPT, EUGENE, OREG. Membrane systems in mitosis (sea urchins, sand dollars).
- RO1GM-21153-01 (BBCA) MICHL, JOSEF, DEPARTMENT OF CHEMISTRY, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Magnetic circular dichroism of organic molecules.
- RO1GM-21156-01 (BBCB) EATON, GARETH R, UNIVERSITY OF DENVER, DEPARTMENT OF CHEMISTRY, DENVER, COLO. Interaction of spin labels with transition metals.
- RO1GM-21159-01 (MCHB) SCHULTZ, ARTHUR G, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N. Y. Vinyl sulfides in organic synthesis.
- RO1GM-21161-01 (BIO) GUNSAIUS, IRWIN C, UNIVERSITY OF ILLINOIS, 420 ROGERS ADAMS LABORATORY, URBANA, ILL. Protein structure modification and oxidation.
- RO1GM-21164-01 (BBCB) CRAVEN, BRYAN M, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF CRYSTALLOGRAPHY, PITTSBURGH, PA. Crystal structural studies of serum albumin (human).
- RO1GM-21165-01 (HEM) LEE, DAVID W, UNIVERSITY OF MALAYA, SCHOOL OF BIOLOGICAL SCI, KUALA LUMPUR, MALAYSIA. Analysis of lectins in tropical rainforest plants.
- RO1GM-21168-01 (PC) CAPECCI, MARIO R, UNIVERSITY OF UTAH, DEPT OF BIOLOGY, SALT LAKE CITY, UTAH. The control, assembly and termination of proteins (viruses, bacteria, mice).
- RO1GM-21174-01 (MCHB) BYRN, STEPHEN R, PURDUE UNIVERSITY, DEPT OF MED CHEM & PHARM, WEST LAFAYETTE, IND. Solid state reactions in medicinal chemistry.
- RO1GM-21176-01 (BBCA) BAUER, WILLIAM R, S U N Y - AT STONY BROOK, DEPARTMENT OF MICROBIOLOGY, STONY BROOK, N. Y. Structure of extrachromosomal and viral genomes (*E. coli*).
- RO1GM-21178-01 (SGYA) TIMM, GERALD W, UNIVERSITY OF MINNESOTA, MAYO BOX 352, MINNEAPOLIS, MINN. System design study of fluid energy transfer devices (human).
- RO1GM-21179-01 (SSS) LEWONTIN, RICHARD C, HARVARD UNIVERSITY, MUSEUM OF COMPARATIVE ZOOLOGY, CAMBRIDGE, MASS. Genetic variation of proteins in natural populations (*Drosophila*, aphids).
- RO1GM-21181-01 (PHRA) SIEGEL, GEORGE J, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Control of active cation transport.
- RO1GM-21182-07 (MCHA) SCHWARTZ, MARTIN A, DEPT OF CHEMISTRY, FLORIDA STATE UNIVERSITY, TALLAHASSEE, FLA. Synthesis of alkaloidal medicinal agents.
- RO1GM-21184-01 (MCHB) RINGO, GEORGE R, ARGONNE LABORATORY, BUILDING 203, ARGONNE, ILL. Ion microprobe analyzer for biology.
- RO1GM-21185-01 (BIO) SCHELLENBERG, KARL A, EASTERN VIRGINIA MEDICAL SCH, 358 MOWBRAY ARCH, NORFOLK, VA. Mechanism of enzyme catalyzed oxidation-reductions (bacteria, yeasts).
- RO1GM-21189-01 (BBCB) DE ROSIER, DAVID J, ROSENTIEL BASIC MED SCI RES CT, BRANDEIS UNIVERSITY, WALTHAM, MASS. Structural studies of biological complexes.
- RO1GM-21197-01 (SSS) PAULING, LINUS C, INST OF ORTHOMOLECULAR MED, 2700 SAND HILL ROAD, MENLO PARK, CALIF. Medical diagnosis by mass spectrometry.
- RO1GM-21198-07 (MBC) LESSIE, THOMAS G, UNIVERSITY OF MASSACHUSETTS, DEPT OF MICROBIOLOGY, AMHERST, MASS. Allosteric enzymes in *Pseudomonas* catabolism.
- RO1GM-21200-01 (BIO) COLMAN, ROBERTA F, UNIVERSITY OF DELAWARE, CHEMISTRY DEPARTMENT, NEWARK, DEL. Affinity labels of nucleotide sites in dehydrogenases (cattle).
- RO1GM-21201-01 (SGYA) WALTS, LEONARD F, DEPT OF ANESTHESIOLOGY, UCLA SCH OF MED 56-118 C H S, LOS ANGELES, CALIF. Anesthesia and electrical activity of the brain (human).
- RO1GM-21204-01 (GEN) SURZYCKI, STEFAN J, UNIVERSITY OF IOWA, BOTANY DEPARTMENT, IOWA CITY, IOWA. Transcription of chloroplast DNA of *C. reinhardtii*.
- RO1GM-21205-01 (GEN) MUNKRES, KENNETH D, UNIVERSITY OF WISCONSIN, 1525 LINDEN DRIVE, MADISON, WIS. Molecular biology of aging fungi as models.
- RO1GM-21211-01 (MCHB) MC LAUGHLIN, JERRY L, PURDUE UNIVERSITY, DEPT OF MED CHEM & PHARMAC, WEST LAFAYETTE, IND. Cacti as drugs of abuse.
- RO1GM-21215-01 (COM) MILLER, RUPERT G, JR, STANFORD SCHOOL OF MEDICINE, DEPT OF GENIT & PREY MED, STANFORD, CALIF. Adaptation of new statistical ideas for medicine.
- RO1GM-21217-01 (RAD) BLAUFOX, MORTON D, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Improved radiopharmaceuticals for renal studies.
- RO1GM-21220-01 (MCHA) WELLS, JACK N, VANDERBILT UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, NASHVILLE, TENN. Tissue specific inhibitors of phosphodiesterase.
- RO1GM-21224-01 (TMP) JEON, KWANG W, UNIVERSITY OF TENNESSEE, DEPT OF ZOOLOGY, KNOXVILLE, TENN. Endosymbionts as required cytoplasmic components.
- RO1GM-21226-14 (BIO) KAMIN, HENRY, DUKE UNIVERSITY, DEPT OF BIOCHEMISTRY, DURHAM, N. C. Oxidations in mitochondria and microsomes (bacteria, mammals, spinach).
- RO1GM-21228-01 (MBC) JOLLYCK, JOSEPH D, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. Genetics of differentiation in caulobacter.
- RO1GM-21232-01 (BIO) MELVILLE, DONALD B, UNIVERSITY OF VERMONT, COLLEGE OF MEDICINE, BURLINGTON, VT. Biosynthesis and function of thiolimidazoles (*Neurospora crassa*).
- RO1GM-21235-01 (PHRA) GLENN, THOMAS M, DEPT OF PHARMACOLOGY, COLL OF MED UNIV OF SO ALABAMA, MOBILE, ALA. Pharmacologic studies of circulatory shock (cats).
- RO1GM-21242-01 (GEN) BOURQUE, DON P, UNIVERSITY OF ARIZONA, DEPT OF AGRIC BIOCHEMISTRY, TUCSON, ARIZ. Biochemistry and genetics of chloroplast ribosomes (plants).
- RO1GM-21243-01 (GEN) LAYCOCK, DAVID G, UNIVERSITY OF SOUTH ALABAMA, COLLEGE OF MEDICINE, MOBILE, ALA. Gene mapping by a molecular approach (rabbit).
- RO1GM-21248-01 (SSS) FENSELAU, CATHERINE C, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. New applications of mass spectrometry in pharmacology.
- RO1GM-21248-01 0001 (SSS) FENSELAU, CATHERINE C. New applications of mass spectrometry in pharmacology-Metabolism and mode of action of cyclophosphamide (human).
- RO1GM-21248-01 0002 (SSS) FENSELAU, CATHERINE C. New applications of mass spectrometry in pharmacology-Analysis of intact glucuronides (rabbits, rats).
- RO1GM-21248-01 0003 (SSS) FENSELAU, CATHERINE C. New applications of mass spectrometry in pharmacology-Excreted metabolites of vitamin D (human).
- RO1GM-21248-01 0004 (SSS) FENSELAU, CATHERINE C. New applications of mass spectrometry in pharmacology-Photoproducts of bilirubin formed in vivo (human, rats).
- RO1GM-21248-01 0005 (SSS) FENSELAU, CATHERINE C. New applications of mass spectrometry in pharmacology-Analytical utility of charge exchange ionization.
- RO1GM-21249-01 (MCHA) SALOMON, ROBERT G, CASE WESTERN RESERVE UNIV, DEPARTMENT OF CHEMISTRY, CLEVELAND, OHIO. Prostaglandin endoperoxidase.
- RO1GM-21253-01 (GEN) BOTSTEIN, DAVID, MASSACHUSETTS INST OF TECH, ROOM 56-721, CAMBRIDGE, MASS. Molecular genetics of morphogenic pathways (virus, yeast).
- RO1GM-21256-01 (BIO) BASFORD, ROBERT E, UNIVERSITY OF PITTSBURGH, DEPT OF BIOCHEMISTRY, PITTSBURGH, PA. Mitochondrial phosphate carrier (beef heart).
- RO1GM-21258-01 (PC) MARSHALL, JAMES J, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Synthetic glycoproteins.
- RO1GM-21266-01 (GEN) SPROTT, RICHARD L, JACKSON LABORATORY, BAR HARBOR, MAINE. Genetic analysis of avoidance behavior in mice.
- RO1GM-21269-01 (COM) THRON, CHRISTOPHER D, DARTMOUTH MEDICAL SCHOOL, DEPT OF PHARMACOLOGY & TOX, HANOVER, N. H. Mathematical theory of pharmacokinetics.
- RO1GM-21271-01 (GEN) MAYFIELD, JOHN E, CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. The molecular organization of eucaryotic chromosomes (cattle, *Drosophila*).
- RO1GM-21277-01 (BIO) CUSANOVICH, MICHAEL A, UNIVERSITY OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Mechanism of action of vertebrate cytochrome C (horses).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01GM-21281-01 (MBC) LOPER, JOHN C.**, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Transcription signals in the histidine operon (bacteria).
- R01GM-21283-01 (GEN) KING, JACK L.**, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL SCIENCES, SANTA BARBARA, CALIF. Simulation and analysis of protein evolution.
- R01GM-21284-01 (GEN) SULLIVAN, DAVID T.**, BIOLOGICAL RESEARCH LAB, 130 COLLEGE PLACE, SYRACUSE, N. Y. Developmental regulation of Kynurenine hydroxylase (*Drosophila*).
- R01GM-21287-01 (MBC) HELLING, ROBERT B.**, UNIVERSITY OF MICHIGAN, DEPARTMENT OF BOTANY, ANN ARBOR, MICH. Coupling eukaryotic genes to prokaryotic plasmids.
- R01GM-21293-01 (COM) STOUT, RONALD L.**, CHILDREN'S MEMORIAL HOSPITAL, 2300 CHILDREN'S PLAZA, CHICAGO, ILL. Patient data acquisition and analysis system (human).
- R01GM-21294-01 (RAD) VON BORSTEL, ROBERT C.**, UNIVERSITY OF ALBERTA, DEPARTMENT OF GENETICS, EDMONTON, ALBERTA CANADA. Induction of mutator activity by ionizing radiation (yeast).
- R01GM-21296-01 (RAD) FISCHER, HARRY W.**, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Improved detection and visualization of colon lesions.
- R01GM-21305-01 (GEN) WANG, RICHARD J.**, DIVISION OF BIOLOGICAL SCI, UNIVERSITY OF MISSOURI, COLUMBIA, MO. Mitosis and mitotic arrest in mammalian cells (human, hamsters, mice).
- R01GM-21307-01 (MBC) KUSTU, SYDNEY G.**, DEPARTMENT OF BACTERIOLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Genetic studies of glutamine synthetase in bacteria.
- R01GM-21311-01 (MCHB) HOUK, KENDALL N.**, DEPARTMENT OF CHEMISTRY, LOUISIANA STATE UNIVERSITY, BATON ROUGE, LA. Photoelectron spectroscopy of drugs and carcinogens.
- R01GM-21315-01 (SSS) RILEY, MONICA, S U N Y - AT STONY BROOK**, BIOCHEMISTRY DEPARTMENT, STONY BROOK, N. Y. Molecular mechanism of recombination in *E. coli*.
- R01GM-21316-01 (SSS) RILEY, MONICA, S U N Y - AT STONY BROOK**, BIOCHEMISTRY DEPARTMENT, STONY BROOK, N. Y. Evolution of the tryptophanase gene in *E. coli*.
- R01GM-21321-01 (BIO) AUST, STEVEN D.**, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Rat liver microsomal cytochrome P 450.
- R01GM-21326-01 (GEN) CHAN, TEH-SHENG**, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF PHYSIOLOGY, FARMINGTON, CONN. Somatic cell hybrids for studies of human disease.
- R01GM-21328-01 (MCHA) POULTER, C DALE**, UNIVERSITY OF UTAH, DEPARTMENT OF CHEMISTRY, SALT LAKE CITY, UTAH. Substrate analogs for terpene condensation reactions.
- R01GM-21335-01 (BBCB) BRYANT, ROBERT G.**, UNIVERSITY OF MINNESOTA, DEPARTMENT OF CHEMISTRY, MINNEAPOLIS, MINN. Chemistry of metal ion-protein interactions.
- R01GM-21337-01 (BBCB) PALMER, GRAHAM A.**, RICE UNIVERSITY, DEPT OF BIOCHEMISTRY, HOUSTON, TEX. Molecular mechanisms of biological redox reactions (yeast, spinach).
- R01GM-21340-01 (GEN) DOERMANN, AUGUST H.**, UNIVERSITY OF WASHINGTON, DEPT OF GENETICS SK-50, SEATTLE, WASH. Molecular control of capsid form in Bacteriophage T4.
- R01GM-21342-01 (PHY) ANDERSEN, OLAF S.**, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK CITY, N. Y. Channel-mediated ion transport across lipid bilayers.
- R01GM-21346-01 (MBY) SCHMID, CARL W, JR.**, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF CHEMISTRY, DAVIS, CALIF. Arrangement of repetitive DNA sequences in humans.
- R01GM-21350-01 (MCHA) MC MORRIS, TREVOR C.**, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Steroids and other biologically active substances in plants (fungi, ferns).
- R01GM-21351-01 (CBY) HALLUCK, RICHARD B.**, UNIVERSITY OF COLORADO, DEPARTMENT OF CHEMISTRY, BOULDER, COLO. Gene expression in cell organelles (*Euglena*).
- R01GM-21352-01 (MBY) COLE, PATRICIA E.**, COLUMBIA UNIVERSITY, BOX 408 HAYEMEYER HALL, NEW YORK, N. Y. RNA conformation and protein-RNA recognition.
- R01GM-21357-01 (MBY) SCHLESSINGER, DAVID**, WASHINGTON UNIVERSITY, BOX 8093, DEPT OF MICROBIO, ST LOUIS, MO. Processing and turnover of cell nuclear RNA (human).
- R01GM-21359-01 (SSS) BODLEY, JAMES W.**, UNIVERSITY OF MINNESOTA, 227 MILLARD HALL, MINNEAPOLIS, MINN. Quanine nucleotides and protein chain growth (*E. coli*, *B. subtilis*).
- R01GM-21361-01 (SSS) THOMPSON, W JOSEPH**, UNIVERSITY OF TEXAS, 6400 WEST CULLEN STREET, HOUSTON, TEX. Biologic role of cyclic nucleotide phosphodiesterase (rodents, chick embryo).
- R01GM-21363-01 (SSS) BREW, KEITH**, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Chemical studies of enzymes and proteins.
- R01GM-21363-01 0001 (SSS) BREW, KEITH.** Chemical studies of enzymes and proteins-Lactose synthase (cattle milk).
- R01GM-21363-01 0002 (SSS) BREW, KEITH.** Chemical studies of enzymes and proteins-Transferrins (human).
- R01GM-21364-01 (SSS) FAHRNEY, DAVID E.**, COLORADO STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, FORT COLLINS, COLO. Arginine deiminase-A Mechanistic analysis (mycoplasma, turkeys).
- R01GM-21367-01 (SOYA) EPSTEIN, MAX**, NORTHWESTERN UNIVERSITY, TECHNOLOGICAL INSTITUTE, EVANSTON, ILL. Materials and components for miniature fiberscopes (human, dogs).
- R01GM-21368-01 (SSS) AXELROD, BERNARD**, PURDUE UNIVERSITY, BIOCHEMISTRY DEPARTMENT, WEST LAFAYETTE, IND. Role of lysosomal L-tartrate inhibitable phosphatase (rats, fungi).
- R01GM-21371-01 (BBCB) QUIJOCO, FLORANTE A.**, RICE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, HOUSTON, TEX. Structure and function of sugar binding proteins (*E. coli*).
- R01GM-21376-01 (MBY) BAGSHAW, JOSEPH C.**, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. Transcriptional restriction in embryonic development (shrimp).
- R01GM-21380-01 (BBCA) SCHAUP, HENRY W.**, OREGON STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYSICS, CORVALLIS, OREG. Molecular basis for protein-nucleic acid interactions (bacteria).
- R01GM-21381-01 (MCHB) DODD, JOHN R.**, EMORY UNIVERSITY, DEPT OF CHEMISTRY, ATLANTA, GA. Spin label studies of corticosteroid binding.
- R13GM-21384-01 (NSS) ALLFREY, VINCENT G.**, GORDON RESEARCH CONFERENCE, UNIV OF RHODE ISLAND, KINGSTON, R. I. Gordon research conference on nuclear proteins-1974.
- R01GM-21386-01 (CBY) SUYAMA, YOSHITAKA**, UNIVERSITY OF PENNSYLVANIA, DEPT OF BIOLOGY, PHILADELPHIA, PA. Multiple isoaccepting forms of mitochondrial tRNA (*Tetrachymena*, rats).
- R01GM-21392-01 (BIO) ANDERSON, PAUL M.**, UNIVERSITY OF MINNESOTA, 2205 EAST 5TH STREET, DULUTH, MINN. Carbamyl phosphate synthetase-Kinetics and binding (*E. coli*).
- R01GM-21396-01 (SOYB) NEPTUNE, EDGAR M, JR.**, UNIV OF MARYLAND HOSPITAL, 22 S GREENE STREET, BALTIMORE, MD. The role of lysophosphatides in cell injury (rats).
- R01GM-21397-01 (MBC) COZZARELLI, NICHOLAS R.**, BIOCHEMISTRY & BIOPHYSICS, UNIV OF CHICAGO, CHICAGO, ILL. Enzymological and genetic studies of DNA polymerases.
- R01GM-21398-01 (BBCB) MC PHERSON, ALEXANDER, MILTON S**, HERSHEY MEDICAL CTR, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA. X-ray crystallographic analyses of protein structure (legumes, ungulates).
- R01GM-21400-01 (MBC) TROPP, BURTON E.**, QUEEN COLLEGE, C U N Y, DEPARTMENT OF CHEMISTRY, FLUSHING, N. Y. A chemical regulator of phospholipid metabolism.
- R01GM-21405-01 (PC) ROE, BRUCE A.**, KENT STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, KENT, OHIO. Modified nucleotides in mammalian tRNA (cattle, human, wheat, *E. coli*).
- R01GM-21409-01 (BBCA) DELBRUCK, MAX**, CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Light growth response channel of phycomyces.
- R01GM-21420-01 (SSS) CLARK, RICHARD B.**, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Cyclic AMP regulation (human, mammals nonhuman, birds).
- R01GM-21421-01 (BBCA) SCHNEIDER, FRED W.**, UNIV OF SOUTHERN CALIFORNIA, DEPARTMENT OF CHEMISTRY, LOS ANGELES, CALIF. Stability of steady states in nucleic acid synthesis.
- R01GM-21422-01 (GEN) GOODMAN, MYRON F.**, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Error correction in replicating T4 bacteriophage.
- R01GM-21423-01 (CBY) REEVES, JOHN P.**, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Transport activity during lymphocyte stimulation (mice).
- R01GM-21424-01 (MBY) TRAUGH, JOINDA A.**, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEMISTRY, RIVERSIDE, CALIF. Effects of ribosome phosphorylation on translation (rabbit).
- R01GM-21429-01 (PHRA) THOMPSON, W LEIGH**, SCHOOL OF MED, JOHNS HOPKINS UNIV, BALTIMORE, MD. Renal pharmacology of dopamine and prostaglandins (dogs).
- R01GM-21430-01 (AFY) LYMAN, JOHN**, 41730 ENGR I SCH OF ENGR & APP, LIED SCI UNIV OF CALIF L A, LOS ANGELES, CALIF. Electrocrutaneous feedback for artificial limbs (human).
- R01GM-21431-01 (BBCA) KEARNS, DAVID R.**, DEPT OF CHEMISTRY, UNIV OF CALIFORNIA, RIVERSIDE, CALIF. Structural studies of rRNA (yeasts, *E. coli*).
- R01GM-21433-01 (GEN) KLEBE, ROBERT J.**, DEPT OF HUMAN BIO CHEM & GEN, UNIV OF TEXAS MED BRANCH, GALVESTON, TEX. Somatic cell genetics of differentiated phenotypes (human).
- R01GM-21443-01 (BM) MITRUKA, BRIJ M.**, DEPT OF RES MEDICINE, UNIV OF PENNSYLVANIA, PHILADELPHIA, PA. Gas chromatography as an aid in clinical pathology (human, mice, rats).
- R01GM-21444-01 (GEN) CAVE, MAC D.**, DEPT OF ANATOMY, UNIV OF ARKANSAS MED CTR, LITTLE ROCK, ARK. Modes of DNA amplification expressed by oocytes (orthoptera).
- R13GM-21477-01 (NSS) SOIFER, DAVID**, DEPT OF NEUROCHEMISTRY, NEW YORK ACADEMY OF SCI, NEW YORK, N. Y. The biology of cytoplasmic microtubules.
- R13GM-21478-01 (NSS) KING, DONALD W.**, DEPARTMENT OF MICROBIOLOGY, UNIVERSITY OF COLORADO MED CTR, DENVER, COLO. Workshop in membrane research (Colorado).
- R13GM-21501-01 (NSS) HAMMES, GORDON G.**, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N. Y. Proteins Gordon conference.
- R01GM-21534-01 (BIO) SALEMME, FRANCIS R.**, UNIV OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Cytochrome structure and interaction (bacteria).
- R01GM-21535-01 (PTR) CALABRESI, PAUL**, DEPT OF MED, ROGER WILLIAMS GEN HOSP, PROVIDENCE, R. I. Dermatopharmacologic studies in psoriasis.
- R01GM-21681-11 (SOYB) BAXTER, CHARLES R.**, DEPT OF SURGERY, U OF TEXAS HLTH SCI CTR, DALLAS, TEXAS. Circulation and fluid volumes in burns (rodents, cats, dogs, primates, human).
- P01GM-21700-01 (SSS) BURKE, JOHN F.**, BURN SERVICE DEPT, MASS GEN HOSP 77 MASS AVE, BOSTON, MASS. Burn trauma center.
- R01GM-21712-01 (BIO) GHOSH, BILAN K.**, DEPT OF PHYSIOLOGY, RUTGERS MED SCHOOL, PISCATAWAY, N. J. Physiological role of membrane bound alkaline phosphatase (*Bacillus subtilis*).
- P17GM-21714-01 (SSS) PALADE, GEORGE E.**, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Core facility for research center on cellular membranes.
- R01GM-21721-01 (PHRA) HUANG, HUEY W.**, DEPT OF PHYSICS, WILLIAM MARSH RICE UNIV, HOUSTON, TEX. Ionic selectivity of ionophorous antibiotics.
- R01GM-21722-01 (RAD) BRILL, AARON B.**, DIV OF NUCLEAR MED & BIOPHYS, VANDERBILT U MED CTR, NASHVILLE, TENN. Mosaic intrinsic germanium radioisotope scan device.
- R01GM-21723-01 (ET) WEBER, WENDELL W.**, DEPT OF PHARMACOLOGY, UNIV OF MICHIGAN, ANN ARBOR, MICH. N-acetylation of drugs-Biochemical and pharmacogenetic studies (rabbits, rats).
- R01GM-21724-01 (PHR) SHRIVASTAV, BRIJ B.**, DEPT OF PHYSIOLOGY & PHARMA, DUKE UNIVERSITY, DURHAM, N. C. Effects of neuroactive agents on nerve conduction.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1GM-21725-01 (SOYB) SHIRES, GEORGE T, DEPT OF SURGERY, U OF WASHINGTON SCH OF MED, SEATTLE, WASH. Evaluation of saline solutions in therapy of shock (dogs, rats, primates).
- RO1GM-21726-01 (BIO) DUS, KARL M, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Molecular structure of a soluble monoxigenase (nematodes rats).
- RO1GM-21727-01 (PHRA) THOMPSON, W LEIGH, CASE WESTERN RESERVE UNIV, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Renal pharmacology of dopamine and prostaglandins (dogs).
- RO1GM-21728-01 (NIEUA) STEPHAN, FRIEDRICH K, DEPARTMENT OF PSYCHOLOGY, THE FLORIDA STATE UNIVERSITY, TALLAHASSEE, FLA. Neutral control of circadian rhythms in behavior.
- RO1GM-21732-01 (GEN) HARTL, DANIEL L, DEPT OF BIOLOGICAL SCIS, PURDUE RES FDN, WEST LAFAYETTE, IND. Genetic and population studies of SD (*Drosophila*).
- RO1GM-21738-01 (PHRA) WAY, JAMES L, PHARMACOLOGY DEPT, WASH ST UNIV, PULLMAN, WASH. Antagonism of cyanide intoxication with oxygen.
- RO1GM-21739-01 (PHRA) SHORT, CHARLES R, LOUISIANA STATE UNIVERSITY, AUDUBON HALL, BATON ROUGE, LA. Fetal and neonatal serum drug binding.
- RO1GM-21746-01 (MCHA) EVANS, DAVID A, CALIFORNIA INST OF TECHNOLOGY, DEPT OF CHEMISTRY, PASADENA, CALIF. Prostaglandin synthesis.
- RO1GM-21747-01 (BBCB) WRIGHT, GEORGE E, UNIV OF MASS, 55 LAKE AVE NORTH, WORCESTER, MASS. Novel inhibitors of a DNA replicase.
- RO1GM-21743-01 (SOYB) CURRERI, P WILLIAM, UNIVERSITY OF WASHINGTON, DEPARTMENT OF SURGERY, SEATTLE, WASH. Metabolism and nutrition in burns and trauma (human, rats).
- RO1GM-21780-01 (BT) SHORT, CHARLES R, DEPT OF VETERINARY PHYSIOLOGY, LOUISIANA ST UNIV, BATON ROUGE, LA. Three-methylcholanthrene metabolite-binding proteins.
- RO1GM-21795-01 (BBCB) MAKI, AUGUST H, DEPT OF CHEMISTRY, UNIV OF CALIFORNIA, RIVERSIDE, CALIF. Magnetic resonance of heterocyclic triplet states.
- PO1GM-21796-01 (PCR) PFAFFMANN, CARL, ROCKEFELLER UNIVERSITY, BEHAVIORAL SCIS LABORATORIES, NEW YORK, N Y. Cognitive processes and psychobiologicals.
- PO1GM-21797-01 (GMP) SHIRES, GEORGE T, DEPT OF SURGERY, U OF WASHINGTON SCH OF MED, SEATTLE, WASH. The traumatized patient.
- PO1GM-21797-01 0001 (GMP) SHIRES, TOM. The traumatized patient-Shock (human, baboons).
- PO1GM-21797-01 0002 (GMP) BAXTER, CHARLES R. The traumatized patient-Hematologic and rheologic changes (human, rats, dogs).
- PO1GM-21797-01 0005 (GMP) BAXTER, CHARLES R. The traumatized patient-Renal response.
- PO1GM-21797-01 0007 (GMP) CARRICO, CHAS J. The traumatized patient-Pulmonary function (human, dogs).
- PO1GM-21797-01 0010 (GMP) CANIZARO, PETER C. The traumatized patient-Oxygen transport in the injured patient (and dogs).
- RO1GM-21817-01 (COM) DEW, BROCK S, CHARLES STARK DRAPER LAB INC, 68 ALBANY STREET, CAMBRIDGE, MASS. Clinical application of microscope imaging scanner-digitar.
- RO1GM-21889-01 (MBC) CRANDALL, MARJORIE A, UNIVERSITY OF KENTUCKY, T H MORGAN SCH OF BIO SCIS, LEXINGTON, KY. Regulation of cell surface glycoproteins (*Hansenuia*).
- NO1GM-22010-06 (**) JICK, HERSCHEL, BOSTON, MASSACHUSETTS. Collaborative drug surveillance program (human, mammals nonhuman).
- NO1GM-32104-02 (**) TENOSA, HAROLD J, EL MONTE, CALIFORNIA. Develop a latex agglutination technique for rapid diagnosis of viral diseases.
- NO1GM-32112-04 (**) CORNELL, LEWIS L, CAMDEN, NEW JERSEY. Operation of human genetic mutant cell.
- NO1GM-40044-10 0013 (**) PAUL, MARTIN A, . Survey of data on child abuse.
- NO1GM-40044-15 0017 (**) DUNHAM, CHARLES L, . Survey of data on child abuse.
- NO1GM-42148-03 (**) JICK, HERSCHEL, BOSTON, MASSACHUSETTS. Collaborative drug surveillance program (human).
- NO1GM-42155-00 (**) ORLOFF, MARSHALL J, LA JOLLA, CALIFORNIA. Evaluation of surgical research.
- NO1GM-42157-00 (**) VINKEN, PIERRE J, PRINCETON, NEW JERSEY. Evaluation of surgical research.
- NO1GM-42166-00 (**) TRUMBULE, L, WASHINGTON, DISTRICT OF COLUMBIA. Symposium on biological pyridoxal catalysis.
- NO1GM-31057-22 (**) WALL, MONROE E, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Study on drug metabolism (human, mice, dogs, rabbits).
- NO1HB-02213-06 (**) ASTER, RICHARD H, MILWAUKEE, WISCONSIN. Studies to improve methods of platelet preservation (human).
- NO1HB-02214-06 (**) SLICHTER, SHERRILL J, SEATTLE, WASHINGTON. Studies to improve methods of platelet preservation (human).
- NO1HB-12017-07 (**) KRONICK, PAUL L, PHILADELPHIA, PENNSYLVANIA. Fabrication of grafted hydrogel coatings for plastic heart assist devices.
- NO1HB-12054-08 (**) KAHN, RAYMOND H, ANN ARBOR, MICHIGAN. Development of intimal linings (human, cattle).
- NO1HB-12064-04 (**) GRADY, GEORGE F, CAMBRIDGE, MASSACHUSETTS. Preparation of hepatitis associated anti-body (human).
- NO1HB-12104-06 (**) KEVY, SHERWIN V, SAN DIEGO, CALIFORNIA. Study ability of stored blood to transport oxygen (rabbits, human).
- NO1HB-12252-03 (**) BALDINI, MARIO G, PAWTUCKET, RHODE ISLAND. Improve methods of platelet preservation (human).
- NO1HB-12351-06 (**) GITNICK, GARY L, LOS ANGELES, CALIFORNIA. Detection of hepatitis in blood (human).
- NO1HB-12353-09 (**) AACH, RICHARD D, ST LOUIS, MISSOURI. Detection of hepatitis in blood (human, mammals nonhuman).
- NO1HB-12359-04 (**) JOHNSON, ALAN J, NEW YORK, NEW YORK. Removal of infectious agent of hepatitis from blood (human).
- NO1HB-12364-05 (**) ROZELLE, LEE T, MINNEAPOLIS, MINNESOTA. Provide ultrathin membranes for evaluation in blood oxygenators.
- NO1HB-12371-06 (**) CERAMI, ANTHONY, NEW YORK, NEW YORK. Effects of cyanate in sickle cell disease therapy (human, dogs, monkeys).
- NO1HB-12393-03 (**) IBAZOQUI, CARLOS, MOUNT VERNON, NEW YORK. Donor-recipient identification relating to blood transfusion.
- NO1HB-12401-03 (**) KAZAZIAN, HANO H, BALTIMORE, MARYLAND. Prenatal diagnosis of inherited blood diseases.
- NO1HB-12403-05 (**) BOYER, SAMUEL, BALTIMORE, MARYLAND. Prenatal diagnosis of inherited blood diseases (human, goats, rabbits).
- NO1HB-12404-03 (**) WEITKAMP, LOWELL R, ROCHESTER, NEW YORK. Prenatal diagnosis of inherited hematologic diseases (human).
- NO1HB-12408-03 (**) PERKINS, HERBERT A, SAN FRANCISCO, CALIFORNIA. Histocompatibility antigen-poor blood (human).
- NO1HB-12409-06 (**) MILLER, WILLIAM, LEXINGTON, KENTUCKY. Histocompatibility antigen poor blood (human).
- NO1HB-12410-04 (**) POLESKY, H F, MINNEAPOLIS, MINNESOTA. Histocompatibility antigens-poor blood (human, mice).
- NO1HB-22906-03 (**) FIALA, MILAN, TORRANCE, CALIFORNIA. Development of detection systems for cytomegalovirus (human, mammals).
- NO1HB-22908-03 (**) GOLD, BLI, CLEVELAND, OHIO. Detection systems for cytomegalovirus as transmitted by blood transfusions.
- NO1HB-22909-02 (**) BAYER, WILLIAM L, KANSAS CITY, MISSOURI. Detection systems for cytomegalovirus transmitted in blood (human).
- NO1HB-22910-04 (**) LANG, DAVID J, DURHAM, NORTH CAROLINA. Relationship of blood transfusion to cytomegalovirus infection (human).
- NO1HB-22911-03 (**) PAGANO, JOSEPH S, CHAPEL HILL, NORTH CAROLINA. Cytomegalovirus in human leukocytes and other tissues.
- NO1HB-22912-04 (**) HO, MONTO, PITTSBURGH, PENNSYLVANIA. Relationship of blood transfusion to cytomegalovirus infection and disease.
- NO1HB-22918-03 (**) PRASAD, ANANDA S, DETROIT, MICHIGAN. Studies in sickle cell disease (human, guinea pigs, rats).
- NO1HB-22919-03 (**) DIEDERICH, DENNIS A, KANSAS CITY, KANSAS. Hemoglobin carbamylation in the treatment of sickle cell anemia.
- NO1HB-22920-03 (**) NAGEL, RONALD L, NEW YORK, NEW YORK. Molecular and cellular studies on sickle cell anemia (human, animals).
- NO1HB-22922-03 (**) BALCERZAK, S P, COLUMBUS, OHIO. Develop effective therapy for sickle cell disease (human, dogs).
- NO1HB-22925-02 (**) BERTLES, JOHN F, NEW YORK, NEW YORK. Sickle cell studies (human).
- NO1HB-22927-03 (**) ZALUSKY, RALPH, NEW YORK, NEW YORK. Sickle cell studies.
- NO1HB-22929-07 (**) VILLAREJOS, VICTOR M, NEW ORLEANS, LOUISIANA. Safety of blood therapy research studies (human).
- NO1HB-22930-03 (**) CHARACHE, SAMUEL, BALTIMORE, MARYLAND. Studies in sickle cell disease (human, dogs).
- NO1HB-22934-03 (**) ZARKOWSKY, HAROLD S, ST LOUIS, MISSOURI. Studies in sickle cell disease.
- NO1HB-22946-03 (**) JENSEN, WALLACE N, WASHINGTON, DISTRICT OF COLUMBIA. Studies in sickle cell disease (human).
- NO1HB-22950-04 (**) PEARSON, H A, NEW HAVEN, CONNECTICUT. Studies in sickle cell disease (human).
- NO1HB-22951-04 (**) GRADY, GEORGE F, BOSTON, MASSACHUSETTS. Hyper-immune gamma globulin for prophylaxis of persons exposed to HAA blood.
- NO1HB-22954-03 (**) WATEMAN, MICHAEL R, DALLAS, TEXAS. Sickle cell disease (human).
- NO1HB-22956-04 (**) GOLDBERG, MORTON F, CHICAGO, ILLINOIS. Studies in sickle cell disease (human).
- NO1HB-22960-06 (**) PRINCE, ALFRED M, NEW YORK, NEW YORK. Clinical trials of hyper-immune gamma globulin (human).
- NO1HB-22961-04 (**) PRINCE, ALFRED M, NEW YORK, NEW YORK. Safety of blood therapy research studies (human, primates).
- NO1HB-22962-04 (**) ASAKURA, TOSHIO, PHILADELPHIA, PENNSYLVANIA. A study of the molecular and clinical aspects of sickle cell disease.
- NO1HB-22969-02 (**) KEVY, SHERWIN V, BOSTON, MASSACHUSETTS. Toxicology of plastic devices having contact with blood (monkeys, human).
- NO1HB-22990-02 (**) JOSEPHSON, AABON M, MORTON GROVE, ILLINOIS. Toxicology of plastics having contact with blood.
- NO1HB-22991-02 (**) RUTTER, HENRY, VIENNA, VIRGINIA. Toxicology of plastics having contact with blood (dogs).
- NO1HB-32908-02 (**) SWINYARD, EWART A, SALT LAKE CITY, UTAH. Toxicology of plastic devices having contact with blood (human, animals).
- NO1HB-32909-02 (**) KARDOS, J L, ST LOUIS, MISSOURI. Materials development and testing.
- NO1HB-32910-03 (**) LEONARD, EDWARD F, NEW YORK, NEW YORK. Coordinated studies of platelet and protein reactions on artificial materials.
- NO1HB-32912-01 (**) STRATTON, WILLIAM O, SALT LAKE CITY, UTAH. Development of polymer fibers.
- NO1HB-32913-03 (**) YASUDA, M, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Study electrodeless glow discharge for modifying polymer surface.
- NO1HB-32914-03 (**) NOSE, YUKIHIKO, CLEVELAND, OHIO. Development of blood and tissue compatible materials.
- NO1HB-32916-02 (**) KETTERINGHAM, J M, CAMBRIDGE, MASSACHUSETTS. Materials development and testing.
- NO1HB-32917-02 (**) NYILAS, EMERY, EVERETT, MASSACHUSETTS. Materials development and testing.
- NO1HB-32918-02 (**) GRODE, GERALD A, COLUMBUS, OHIO. Material development and testing heparinization processes (rabbits, dogs).
- NO1HB-32919-03 (**) AISENBERG, SOL, WALTHAM, MASSACHUSETTS. Material development and testing heparinization processes.
- NO1HB-32921-02 (**) SNOWDEN, DONALD P, SAN DIEGO, CALIFORNIA. Development of carbon film composites for use in prosthetic devices.
- NO1HB-32936-04 (**) NAPIER, EDWARD A, JR, ANN ARBOR, MICHIGAN. Accumulation, toxicity and metabolism of common plasticizers in humans.
- NO1HB-32939-01 (**) HAREEB, AHMED F, BIRMINGHAM, ALABAMA. Preparation and clinical trials of i.v. gamma globulin (human).
- NO1HB-32940-01 (**) PENNELL, ROBERT B, BOSTON, MASSACHUSETTS. Preparation and clinical trials of intravenous IgG (human).
- NO1HB-32942-02 (**) PIROPSKY, BERNARD, PORTLAND, OREGON. Preparation and clinical trials of intravenous gamma globulin (human).
- NO1HB-32943-01 (**) MERCER, JOHN E, LANSING, MICHIGAN. Isolation of non-human (bovine) factor VIII for clinical use.
- NO1HB-32949-02 (**) MORGAN, MARCUS S, PITTSBURGH, PENNSYLVANIA. Modification of silicon elastomers for medical devices.
- NO1HB-32950-02 (**) KWIATKOWSKI, G T, BOUND BROOK, NEW JERSEY. Blood compatible poly-electrolytes.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1HB-32952-04 (** WILLIAMS, MICHAEL C, BERKELEY, CALIFORNIA. Shear-induced hemolysis-Material and blood composition (human).

NO1HB-32953-02 (** BAUER, ROBERT E, BUFFALO, NEW YORK. Materials compatible with blood (dogs).

NO1HB-32954-03 (** MEYER, CHARLES H, JR, SAN DIEGO, CALIFORNIA. Compatibility of carbon and blood.

NO1HB-32956-01 (** RODRY, GLENN E, MILWAUKEE, WISCONSIN. Study of platelet-typing.

NO1HB-32957-01 (** HOAK, JOHN C, IOWA CITY, IOWA. Platelet typing and refractoriness to platelet transfusions.

NO1HB-32958-02 (** MITTAL, KAMAL K, EVANSTON, ILLINOIS. Effects of "matched" platelet transfusions (human).

NO1HB-32959-02 (** BRAUMAN, SHARON, MENLO PARK, CALIFORNIA. Development of biomaterials.

NO1HB-32968-02 (** PENNELL, ROBERT B, BOSTON, MASSACHUSETTS. New methods of plasma fractionation.

NO1HB-32970-03 (** GARCIA, LUIS A, COSTA MESA, CALIFORNIA. New methods of plasma fractionation.

NO1HB-32971-02 (** JOHNSON, ALAN J, NEW YORK, NEW YORK. Methods of plasma fractionation.

NO1HB-32986-01 (** PERKINS, HERBERT A, SAN FRANCISCO, CALIFORNIA. Platelet typing and refractoriness to platelet transfusions (human).

NO1HB-32989-01 (** JAVID, JAMSHID, NEW YORK, NEW YORK. Prenatal diagnosis of sickle cell anemia and variant hemoglobins.

NO1HB-32996-01 (** SLICHTER, SMERRILL, SEATTLE, WASHINGTON. Platelet typing and refractoriness to platelet transfusions.

NO1HB-33000-01 (** GIRISH, VYAS W, SAN FRANCISCO, CALIFORNIA. Detection of hepatitis in blood (human, mammals nonhuman).

NO1HB-33006-01 (** MENDE, THOMAS J, MIAMI, FLORIDA. Laboratory diagnostic techniques for sickle cell disease.

NO1HB-33007-01 (** HUISMAN, TITUS H, AUGUSTA, GEORGIA. Chromatography in mass screening programs for hemoglobinopathies (human).

NO1HB-33017-01 (** COLLINS, JOHN A, ST LOUIS, MISSOURI. A study of massive transfusion (human, swine).

NO1HB-33019-01 (** ROSSE, WENDELL F, DURHAM, NORTH CAROLINA. Sickle cell and hemolytic disease cooperative study group.

NO1HB-42925-00 (** COOPER, WILLIAM W, CAMBRIDGE, MASSACHUSETTS. Assuring clinical safety of frozen-thawed red cells.

NO1HB-42926-00 (** STRATTON, WILLIAM O, SALT LAKE CITY, UTAH. Evaluation of spring polypropylene as a prosthetic device.

NO1HB-42927-00 (** MYHRE, BYRON A, TORRANCE, CALIFORNIA. Clinical safety of frozen-thawed red cells.

NO1HB-42928-00 (** MEYER, CHARLES H, JR, SAN DIEGO, CALIFORNIA. Continued development of carbon film deposits for prosthetics.

NO1HB-42937-00 (** HILLMAN, ROBERT S, SEATTLE, WASHINGTON. Education program evaluation and development.

NO1HB-42938-00 (** FINCH, CLEMENT A, SEATTLE, WASHINGTON. Preservation of granulocytes for transfusion.

NO1HB-42945-00 (** COUNTS, RICHARD B, SEATTLE, WASHINGTON. Therapeutic use of bovine factor VIII (monkeys, rabbits).

NO1HB-42946-00 (** BARLOW, GRANT H, NORTH CHICAGO, ILLINOIS. Isolate and test antithrombin III (human, dogs).

NO1HB-42947-00 (** SWEETLEY, CHARLES C, EAST LANSING, MICHIGAN. Isolation and evaluation of products from plasma fractionation (human, animals).

NO1HB-42948-00 (** BOWMAN, BARBARA H, GALVESTON, TEXAS. Isolation and evaluation of new products from plasma fractionation (human).

NO1HB-42949-00 (** WOODSON, ROBERT D, MADISON, WISCONSIN. Ability of stored blood to transport oxygen (rats).

NO1HB-42950-00 (** POPOVIC, VOJIN P, ATLANTA, GEORGIA. Preservation of granulocytes for transfusion (human, rats).

NO1HB-42951-00 (** ROWE, ARTHUR W, NEW YORK, NEW YORK. Preservation of granulocytes for transfusion.

NO1HB-42952-00 (** PERSIDSKY, MAXIM D, SAN FRANCISCO, CALIFORNIA. Cryopreservation of granulocytes.

NO1HB-42954-00 (** MELNICK, JOSEPH L, HOUSTON, TEXAS. Safety in blood therapy.

NO1HB-42961-00 (** NYLAS, E, EVERETT, MASSACHUSETTS. Evaluation of biomaterials in contact with blood (dogs).

NO1HB-42962-00 (** SCHULTZ, J S, ANN ARBOR, MICHIGAN. Evaluation of the compatibility of materials in contact with blood (dog).

NO1HB-42968-00 (** PITLUK, FRANCES, NEW HAVEN, CONNECTICUT. Interactions of natural and chemically modified biopolymers with blood.

NO1HB-42969-01 (** YANNAS, I V, CAMBRIDGE, MASSACHUSETTS. Interactions of natural and chemically modified biopolymers with blood (dogs).

NO1HB-42970-00 (** HOFFMAN, ALLAN S, SEATTLE, WASHINGTON. Interaction with modified aortic tissue proteins with blood (sheep).

NO1HB-42971-02 (** NEIMANN, WENDALL, NEW YORK, NEW YORK. Chimpanzees for hepatitis research.

NO1HB-42972-00 (** WOSLEY, JAMES W, LOS ANGELES, CALIFORNIA. Prospective study of post transfusion hepatitis.

NO1HB-42973-00 (** NATHAN, DAVID G, BOSTON, MASSACHUSETTS. Pathophysiology of sickling and host resistance to infection (human).

NO1HB-42975-02 (** FEFFER, HENRY L, WASHINGTON, DISTRICT OF COLUMBIA. Heparin for prevention of venous thromboembolism in orthopaedic surgical patients.

NO1HB-42976-01 (** SCHRIER, STANLEY L, STANFORD, CALIFORNIA. Clinical trials of aspirin and dipyridamole (human).

NO1HB-42977-01 (** SAUTTER, RICHARD D, MARSHFIELD, WISCONSIN. Clinical trials of sulfipyrazone (human).

NO1HB-42978-01 (** MARDER, V J, PHILADELPHIA, PENNSYLVANIA. Clinical trials of sulfipyrazone and low dose heparin (human).

NO1HB-42979-02 (** DANIELS, A U, SALT LAKE CITY, UTAH. Vena cava ring tests of biomaterials in dogs.

NO1HB-42981-01 (** BROWN, JOHN F, SCHENECTADY, NEW YORK. Studies of elastin as a biomaterial.

NO1HB-42982-03 (** JIMINEZ, S, PHILADELPHIA, PENNSYLVANIA. Interaction of natural and modified collagen with platelets.

NO1HB-42983-01 (** CARRAWAY, KERMIT L, STILLWATER, OKLAHOMA. Interaction of basement membrane with platelets.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1HB-42984-00 (** MICHAELI, DOV, SAN FRANCISCO, CALIFORNIA. Interactions of modified biopolymers with blood (human).

NO1HB-61124-16 (** HALPERN, DAVID B, WARRINGTON, PENNSYLVANIA. Polymer studies of prosthetic cardiac materials.

NO1HB-81427-09 (** KUSSEROW, BERT K, BURLINGTON, VERMONT. Effects of materials on blood (dogs).

RO1HD-00010-11 (PC) CARSTEN, MARY E, UNIVERSITY OF CALIFORNIA, DEPT OF OBSTETRICS & GYNECOLOG, LOS ANGELES, CALIF. Chemistry and function of smooth muscle, uterus, proteins (human, cattle, sheep).

RO1HD-00038-10 (MBY) CASTON, J DOUGLAS, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Protein synthesis during embryogenesis (amphibians).

RO1HD-00047-10 (MBY) COLEMAN, JOHN R, BROWN UNIVERSITY, DIV OF BIOLOGICAL AND MEDICAL, PROVIDENCE, R. I. Control of cell differentiation in culture (chick embryo).

RO1HD-00072-11 (END) NEW, MARIA I, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N. Y. Androgen metabolism in childhood (human).

RO1HD-00122-10 (PC) FEENEY, ROBERT E, UNIVERSITY OF CALIFORNIA, DEPT OF FOOD SCIENCE & TECH, DAVIS, CALIF. Comparative biochemistry of proteins (human, animals).

RO1HD-00143-15 (MBY) HAY, ELIZABETH D, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Cytology of growing and differentiating cells (animals).

RO1HD-00157-13 (DEN) SAVARA, BHIM S, 611 SW CAMPUS DRIVE, PORTLAND, OREG. Variation during child growth (human).

RO1HD-00189-21 (MBY) HOLTZER, HOWARD, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Mechanisms in differentiation of mesodermal tissues (chick embryo, zebrafish).

RO1HD-00193-19 (GEN) GLUECKSOHN-WAELSCH, S, ALBERT EINSTEIN COLLEGE OF MED, DEPARTMENT OF GENETICS, BROOK, N. Y. Mechanisms of genetic control of abnormal development (mice).

RO1HD-00254-14 (HEM) BERNSTEIN, SILDON E, JACKSON LABORATORY, BAR HARBOR, MAINE. Neonatal blood disorders (human, mice).

RO1HD-00267-16 (REB) ORSINI, MARGARET W, UNIVERSITY OF WISCONSIN, 448 BARDEEN MEDICAL LABS, MADISON, WIS. Comparative uterine vasculature (hamsters, ferrets).

RO1HD-00324-19 (MET) BERRY, HELEN K, CHILDRENS HOSPITAL RES FDM, ELLAND AND BETHESDA AVENUES, CINCINNATI, OHIO. Biochemical and behavioral studies of phenylketonuria (rats).

RO1HD-00325-18 (SSS) MONEY, JOHN, JOHNS HOPKINS HOSPITAL, PHIPPS 400, BALTIMORE, MD. Longitudinal and related psychohormonal studies.

RO1HD-00325-18 0001 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Psychoendocrine therapy and resistance to it in XYY patients and parents.

RO1HD-00325-18 0002 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Adult erotic function in female hermaphrodites.

RO1HD-00325-18 0003 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Turner's syndrome hormonal therapy and erotic function of adults.

RO1HD-00325-18 0004 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—IQ gain in reversible hypsomatotropinism (psychosocial dwarfism).

RO1HD-00325-18 0005 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Adult outcome of childhood Addison's disease.

RO1HD-00325-18 0006 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Therapeutic effect of antiandrogen on sex offenders.

RO1HD-00325-18 0007 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Voluntary amputation and selfmutilation as a paraphilia.

RO1HD-00325-18 0008 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Women with vaginal atresia.

RO1HD-00325-18 0009 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Aggression in the adrenogenital syndrome.

RO1HD-00325-18 0010 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Androgen substitution in hypopituitary males.

RO1HD-00325-18 0011 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Families of reassigned transsexuals.

RO1HD-00325-18 0012 (SSS) MONEY, JOHN. Longitudinal and related psychohormonal studies—Genetic males reared as females.

RO1HD-00339-14 (GEN) BREG, W ROY, SOUTHBURY TRAINING SCHOOL, SOUTHBURY, CONN. Cytogenetic studies in mental retardation (human).

RO1HD-00348-13 (EXP) ARONSON, LESTER R, AMERICAN MUSEUM OF NAT HISTORY, CENTRAL PARK WEST AT 79TH ST, NEW YORK, N. Y. Behavioral effects of selected denervation (cats).

RO1HD-00371-20 (END) BONGIOVANNI, ALFRED M, CHILDREN'S HOSPITAL, 1740 BAMBURGH STREET, PHILADELPHIA, PA. Hormonal function in growth and development in childhood (human).

RO1HD-00375-18 (MED) NEAMETH, ANDREW M, SCHOOL OF MEDICINE, UNIV OF PENNSYLVANIA, PHILADELPHIA, PA. Induction and development of liver enzymes.

RO1HD-00378-17 (PHY) KAO, CHIEN-YUAN, SUNY DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVE, BROOKLYN, N. Y. Bioelectric properties of uterine smooth muscle (rats, cats, frogs).

RO1HD-00380-16 (CBY) LASH, JAMES W, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA. Analysis of chondrogenesis (ascidians, chick embryo, human).

RO1HD-00384-16 (ALY) SMITH, RICHARD T, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Ontogeny of immune mechanisms (mice, rats).

RO1HD-00391-15 (MET) KRETCHMER, NORMAN, STANFORD UNIVERSITY, DEPT OF PEDIATRICS, STANFORD, CALIF. Regulation of enzyme action during development.

RO1HD-00394-13 (END) GESCHWIND, IRVING I, UNIVERSITY OF CALIFORNIA, DEPT OF ANIMAL SCIENCE, DAVIS, CALIF. Pituitary and hypothalamic proteins and peptides (animals).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HD-00400-12 (MED) BEAUDOIN, ALLAN R, UNIV OF MICHIGAN, 4614 MEDICAL SCIENCE II, ANN ARBOR, MICH. Mechanisms of action of chemical teratogens (rats).
- RO1HD-00412-18 (MAB) LAZAROW, ARNOLD, UNIVERSITY OF MINNESOTA, 262 JACKSON HALL, MINNEAPOLIS, MINN. Fetal endocrinology and study of diabetes and pregnancy (rats).
- RO1HD-00420-14 (REB) BLOCH, ERIC, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Androgen production and function during development.
- RO1HD-00420-14 0001 (REB) BLOCH, ERIC. Androgen production and function during development-Androgens of mammalian fetal testes (rats, rabbits, chick embryo).
- RO1HD-00420-14 0002 (REB) BLOCH, ERIC. Androgen production and function during development-Non-testicular sources of C-19 steroids in prenatal development (rodents, human).
- RO1HD-00434-13 (MED) CRUISE, MARY O, CHILDRENS HOSPITAL, 219 BRYANT ST, BUFFALO, N Y. A longitudinal study of skeletal growth of premature (human).
- RO1HD-00443-12 (PHRA) MILLER, JACK W, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Uterine drugs, receptors, relaxants and luminal fluid (rats, rabbits).
- RO1HD-00462-19 (MED) DANCIS, JOSEPH, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Physiology of the placenta (human).
- RO1HD-00486-19 (GEN) CHILDS, BARTON, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Studies in human genetics.
- RO1HD-00505-15 (MED) COHEN, FLOSSIE, CHILD RESEARCH CENTER, 3901 BEAUBIEN BOULEVARD, DETROIT, MICH. Transplacental passage of fetal erythrocytes (human).
- RO1HD-00534-14 (MAB) WALFORD, ROY L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PATHOLOGY, LOS ANGELES, CALIF. Immunology and aging (mice).
- RO1HD-00588-12 (GEN) MELLMAN, WILLIAM J, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF HUMAN GENETICS, PHILADELPHIA, PA. Biochemical genetics of cultured human cells (also rodents).
- RO1HD-00596-12 (REB) GREENWALD, GILBERT S, UNIVERSITY OF KANSAS, 39TH & RAINBOW BOULEVARD, KANSAS CITY, KANS. Follicular and luteal regulation in the mammalian ovary (hamsters, rats, mice).
- RO1HD-00622-10 (GEN) ROBINSON, ARTHUR, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Human chromosomal defects-Epidemiology and etiology.
- RO1HD-00630-11 (SSS) BRENT, ROBERT L, THOMAS JEFFERSON UNIVERSITY, 920 CHANCELLOR STREET, PHILADELPHIA, PA. New experimental methods of teratogenesis (rats, monkeys).
- RO1HD-00652-11 (PTHB) GITLIN, DAVID, CHILDREN'S HOSPITAL OF PITTSBU, GH 125 DESOTO STREET, PITTSBURGH, PA. Plasma and cell protein metabolism (human).
- RO1HD-00659-15 (PTHA) PETERMAN, GEORGE H, CHILDREN'S HOSP OF PITTSBURGH, 125 DESOTO ST, PITTSBURGH, PA. Study of immature kidneys by microdissection (human, rats).
- PO1HD-00668-16 (HDAG) MADDOX, GEORGE L, DUKE UNIVERSITY MED CTR, DURHAM, N C. Aging and the aged.
- PO1HD-00668-16 0007 (HDAG) APPEL, STANLEY H. Aging and the aged-Organic approaches to dementia (human).
- PO1HD-00668-16 0008 (HDAG) BUSSE, EWALD W. Aging and the aged-Physical, psychological, and social effects of aging (human).
- PO1HD-00668-16 0009 (HDAG) BUCKLEY, C E. Aging and the aged-Immunologic studies of older humans.
- PO1HD-00668-16 0011 (HDAG) THOMPSON, LARRY W. Aging and the aged-Learning and psychophysiological parameters in aged (human).
- PO1HD-00668-16 0013 (HDAG) ERWIN, C W. Aging and the aged-Psychophysiologic correlates of decreased attention (human).
- PO1HD-00668-16 0014 (HDAG) MARSH, GAIL R. Aging and the aged-Bioelectric correlates of learning in the brain (cats, human).
- PO1HD-00668-16 0015 (HDAG) KINSBOURNE, MARCEL. Aging and the aged-Age effect on multiple cognitive processes (human).
- PO1HD-00668-16 0018 (HDAG) MARSH, GAIL R. Aging and the aged-Evoked potentials in brain function and aging (human).
- PO1HD-00668-16 0019 (HDAG) NOWLIN, JOHN B. Aging and the aged-Arousal pattern in structural interpersonal setting-Age related difference (men).
- PO1HD-00668-16 0023 (HDAG) THOMPSON, LARRY W. Aging and the aged-Hyperbaric oxygenation, behavior, and EEG in the aged.
- PO1HD-00668-16 0025 (HDAG) MYERS, GEORGE C. Aging and the aged-Projecting the age composition of the USA population.
- PO1HD-00668-15 (HDAG) ROBBINS, FREDERICK C, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Interdisciplinary program of research in aging.
- PO1HD-00669-15 0006 (HDAG) KLEIN, LEROY. Interdisciplinary program of research in aging-Biological turnover and crosslinking of aging collagen (dogs, rats).
- PO1HD-00669-15 0008 (HDAG) FRANKEL, VICTOR H. Interdisciplinary program of research in aging-Mechanical properties of aged bone (dogs, mice, rats).
- PO1HD-00669-15 0009 (HDAG) BAER, ERIC. Interdisciplinary program of research in aging-Ultrastructure-mechanical property relationships (rats).
- PO1HD-00669-15 0010 (HDAG) GEIL, PHILIP H. Interdisciplinary program of research in aging-Gelatin fibril ultrastructure and thermodynamics (rats).
- PO1HD-00669-15 0011 (HDAG) SENSUSAN, HOWARD B. Interdisciplinary program of research in aging-Connective tissue aging (human, cattle).
- PO1HD-00669-15 0012 (HDAG) HAMLIN, CLIVE R. Interdisciplinary program of research in aging-Post-mature structural changes in human collagen.
- PO1HD-00669-15 0013 (HDAG) WALTON, ALAN G. Interdisciplinary program of research in aging-Elastin structure (human).
- PO1HD-00669-15 0014 (HDAG) KLEIN, LEROY. Interdisciplinary program of research in aging-Crosslinking of salt-soluble and acid-soluble collagens (rats).
- PO1HD-00669-15 0015 (HDAG) KLEIN, LEROY. Interdisciplinary program of research in aging-New acidic structural protein from skin (rats, human).
- PO1HD-00669-15 0016 (HDAG) LEASH, A. Interdisciplinary program of research in aging-Aging animal facility (monkeys, dogs).
- RO1HD-00700-11 (MAY) COHEN, STANLEY, VANDERBILT UNIVERSITY, DEPT OF BIOCHEMISTRY, NASHVILLE, TENN. Epidermal growth factor (mice, human).
- RO1HD-00727-09 (MED) TWARDOCK, A ROBERT, UNIVERSITY OF ILLINOIS, COLLEGE OF VETERINARY MEDICINE, URBANA, ILL. Placental transfer of mineral elements (guinea pigs).
- RO1HD-00737-10 (VR) SCHIFF, GILBERT M, UNIVERSITY OF CINCINNATI, 2139 AUBURN AVENUE, CINCINNATI, OHIO. Clinical and laboratory studies on rubella (human, ferrets, gerbils).
- RO1HD-00739-09 (REB) BRINKLEY, HOWARD J, UNIVERSITY OF MARYLAND, DEPARTMENT OF ZOOLOGY, COLLEGE PARK, MD. Functioning of corpora lutea (swine).
- RO1HD-00778-10 (REB) DAVIDSON, JULIAN M, STANFORD UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, STANFORD, CALIF. Role of the brain in male and female reproduction (rats).
- PO1HD-00781-11 (HDPB) BATTAGLIA, FREDERICK C, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO 80220. Studies on prematurity.
- PO1HD-00781-11 0001 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Urea production in fetus (sheep).
- PO1HD-00781-11 0002 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Amino acid metabolism (sheep).
- PO1HD-00781-11 0003 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Normal metabolic rate of the fetus (sheep).
- PO1HD-00781-11 0004 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Fetal cerebral metabolism (sheep).
- PO1HD-00781-11 0005 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Placental transfer of glucose (sheep).
- PO1HD-00781-11 0006 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Clinical studies of urea production rate.
- PO1HD-00781-11 0007 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Utilization of oxygen glucose and amino acids by the fetus (sheep, monkeys, human).
- PO1HD-00781-11 0008 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Prenatal studies on intrauterine growth retardation (human).
- PO1HD-00781-11 0009 (HDPB) LUBCHENKO, L. Studies on prematurity-Long term outcome of preterm and small size infants (human).
- PO1HD-00781-11 0010 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Effect of fetal death on uterine blood flow and metabolism (sheep).
- PO1HD-00781-11 0011 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Regulation of uterine and mammary blood flow (sheep).
- PO1HD-00781-11 0012 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Beta-lipoproteins and hematologic changes in pregnancy and newborn (human).
- PO1HD-00781-11 0013 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Placental cell surface antigens (sheep).
- PO1HD-00781-11 0014 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Placental growth and clearance (sheep).
- PO1HD-00781-11 0015 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Role of HCG in immunosuppression (sheep).
- PO1HD-00781-11 0016 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Clinical studies in infants (human).
- PO1HD-00781-11 0017 (HDPB) BATTAGLIA, FREDERICK C. Studies on prematurity-Clinical studies in pregnancy (human).
- RO1HD-00827-11 (CBY) HILLMAN, NINA W, TEMPLE UNIVERSITY, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Effect of RNA and DNA on cephalic terata (mice).
- RO1HD-00836-11 (MED) SHEPARD, THOMAS H, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Laboratory for the study of human embryos and fetuses.
- RO1HD-00850-17 (MBC) BARKSDALE, ALMA W, NEW YORK BOTANICAL GARDEN, BRONX, N Y. Sexual hormones of *Achiya bisaxualis*.
- RO1HD-00857-12 (EXP) GERRALL, ARNOLD A, TULANE UNIVERSITY, 6823 ST CHARLES AVENUE, NEW ORLEANS, LA. Hormonal and neural correlates of reproductive behavior (rats, hamsters).
- PO1HD-00870-11 (HDMR) SPRADLIN, JOSEPH E, UNIVERSITY OF KANSAS, BUREAU OF CHILD RESEARCH, LAWRENCE, KANS. Communication research with retarded children.
- PO1HD-00870-11 0001 (HDMR) STRIEFEL, S. Communication research with retarded children-Language training of severely retarded.
- PO1HD-00870-11 0002 (HDMR) FULTON, ROBERT T. Communication research with retarded children-Auditory discriminations.
- PO1HD-00870-11 0003 (HDMR) BAER, DONALD M. Communication research with retarded children-Generalization of a social response.
- PO1HD-00870-11 0004 (HDMR) MCREYNOLDS, LEJJA. Communication research with retarded children-Phonology.
- PO1HD-00870-11 0006 (HDMR) SPRADLIN, JOSEPH E. Communication research with retarded children-Semantic development laboratory.
- PO1HD-00870-11 0008 (HDMR) RUDER, KENNETH F. Communication research with retarded children-Factors affecting the imitation and comprehension of speech.
- PO1HD-00870-11 0009 (HDMR) ROSENFELD, HOWARD. Communication research with retarded children-Extralinguistic communication.
- PO1HD-00870-11 0010 (HDMR) KELLAS, GEORGE. Communication research with retarded children-Storing and retrieving information.
- PO1HD-00870-11 0011 (HDMR) BUTTERFIELD, EARL C. Communication research with retarded children-Relationship between memory processes and language.
- PO1HD-00870-11 0013 (HDMR) LENT, JAMES R. Communication research with retarded children-Direction following.
- PO1HD-00870-11 0014 (HDMR) DIXON, LOIS. Communication research with retarded children-Programmed instruction for discrimination of spatial relations.
- PO1HD-00870-11 0015 (HDMR) SOKGLOVE, HENRI. Communication research with retarded children-Language and communication skills to teach retarded children.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HD-00878-13 (EXP) GOTTLEB, GILBERT, DOROTHEA DIX HOSPITAL, BOX 7575, RALEIGH, N. C. Sensory and perceptual determinants of imprinting (ducks).
- RO1HD-00893-11 (EXP) WHALEN, RICHARD E, DEPT OF PSYCH, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Hormonal control of behavior (rodents).
- RO1HD-00926-13 (EXP) BARRICK, HARRY P, OHIO WESLEYAN UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, DELAWARE, OHIO. Recognition and recall during acquisition and retention (human).
- RO1HD-00930-11 (EXP) TERRACE, HERBERT S, COLUMBIA UNIVERSITY, 360 SCHERMERHORN HALL, NEW YORK, N. Y. Acquisition of stimulus control (ducks, rats, pigeons).
- RO1HD-00941-10 (EXP) COLLIER, GEORGE H, RUTGERS UNIVERSITY, 88 COLLEGE AVENUE, NEW BRUNSWICK, N. J. Determinants of amount of reinforcement (rats, guinea pigs, cats).
- RO1HD-00942-12 (EXP) LOCKARD, ROBERT B, UNIVERSITY OF WASHINGTON, DEPT OF PSYCHOLOGY, SEATTLE, WASH. Animal behavior in field and laboratory environments (kangaroo rats, *Peromyscus*).
- PO1HD-00973-11 (HDMR) BAUMEISTER, ALFRED A, GEORGE PEABODY COLLEGE, BOX 163, NASHVILLE, TENN. Research program on retarded intellectual development.
- PO1HD-00973-11 0032 (HDMR) HAYWOOD, H CARL Research program on retarded intellectual development—Personality and motivation structure in the mentally retarded.
- PO1HD-00973-11 0058 (HDMR) WILCOXON, HARDY C. Research program on retarded intellectual development—Juvenile monkeys exposed to responsive and nonresponsive environments.
- PO1HD-00973-11 0065 (HDMR) WILCOXON, HARDY C. Research program on retarded intellectual development—Operant research with rats and quail.
- PO1HD-00973-11 0066 (HDMR) BAUMEISTER, ALFRED A. Research program on retarded intellectual development—Intraindividual variability (human).
- PO1HD-00973-11 0067 (HDMR) BAUMEISTER, ALFRED A. Research program on retarded intellectual development—Register encoding (human).
- PO1HD-00973-11 0068 (HDMR) BAUMEISTER, ALFRED A. Research program on retarded intellectual development—Use of processing stages (children).
- PO1HD-00973-11 0069 (HDMR) BACHARACH, VERNE R. Research program on retarded intellectual development—Recognition processes in memory utilization (children).
- PO1HD-00973-11 0070 (HDMR) BERRY, FRANK. Research program on retarded intellectual development—Piavio's depth of processing model applied to the retarded (adolescents).
- PO1HD-00973-11 0071 (HDMR) BUCKHALT, JOE. Research program on retarded intellectual development—Pupillary response as an index of cognitive processing in the retarded (children).
- PO1HD-00973-11 0072 (HDMR) ODOM, PENELOPE B. Research program on retarded intellectual development—Semantic integration—Detection of relationships (children).
- PO1HD-00973-11 0073 (HDMR) ODOM, PENELOPE B. Research program on retarded intellectual development—Semantic integration—Construction and utilization of relational contexts.
- PO1HD-00973-11 0074 (HDMR) FRIEDMAN, STEVEN. Research program on retarded intellectual development—Intrinsic motivation in infancy—Perceptual analysis.
- PO1HD-00973-11 0075 (HDMR) SWITZKY, HARVEY N. Research program on retarded intellectual development—Effects of stimulus complexity in young children.
- PO1HD-00973-11 0076 (HDMR) HAYWOOD, H CARL Research program on retarded intellectual development—Parent-child interactions during 'play' and the personality of the mother.
- PO1HD-00973-11 0077 (HDMR) HAYWOOD, H CARL Research program on retarded intellectual development—Intrinsic motivation in the primary school—Stimulus properties.
- PO1HD-00973-11 0078 (HDMR) HAYWOOD, H CARL Research program on retarded intellectual development—Exploration, curiosity, and play behavior in the retarded.
- PO1HD-00973-11 0079 (HDMR) HAYWOOD, H CARL Research program on retarded intellectual development—Personality, motivation and reading achievement in retarded children.
- PO1HD-00973-11 0080 (HDMR) HAYWOOD, H CARL Research program on retarded intellectual development—Motivation and reinforcement systems in retarded children.
- PO1HD-00973-11 0081 (HDMR) SWITZKY, HARVEY N. Research program on retarded intellectual development—Play behavior in retarded children and effects stimulus complexity.
- PO1HD-00973-11 0082 (HDMR) HAYWOOD, H CARL Research program on retarded intellectual development—Personality and motivation correlates of play behavior in retarded children.
- PO1HD-00973-11 0083 (HDMR) PORTER, RICHARD H. Research program on retarded intellectual development—Reciprocal impact of developmentally delayed and advanced siblings (rodents).
- PO1HD-00973-11 0084 (HDMR) PORTER, RICHARD H. Research program on retarded intellectual development—Reptiles as models for endocrine dependent exposure learning.
- PO1HD-00973-11 0085 (HDMR) PORTER, RICHARD H. Research program on retarded intellectual development—Exploratory behavior/concomitant mother-infant communication patterns (monkeys).
- PO1HD-00973-11 0086 (HDMR) IZARD, CARROLL E. Research program on retarded intellectual development—Emotions as variables in learning and the development of social skills (monkeys).
- RO1HD-01026-10 (CBY) PADYKULA, HELEN A, WELLESLEY COLLEGE, DEPT OF BIOLOGICAL SCIENCES, WELLESLEY, MASS. Cytology of mammalian differentiation.
- RO1HD-01026-10 0001 (CBY) PADYKULA, HELEN A. Cytology of mammalian differentiation—Uterine-placental relationship (bandicoots, rats, opossums).
- RO1HD-01026-10 0002 (CBY) PADYKULA, HELEN A. Cytology of mammalian differentiation—Skeletal muscle (rats).
- RO1HD-01031-10 (ALY) GITLIN, DAVID, CHILDRENS HOSPITAL, 125 DESOTO STREET, PITTSBURGH, PA. Maternofetal barrier and fetal metabolism (humans, primates, sharks).
- RO1HD-01107-11 (DBR) RHEINGOLD, HARRIET L, UNIVERSITY OF NORTH CAROLINA, DEPT OF PSYCHOLOGY, CHAPEL HILL, N. C. Social and exploratory behavior in infants (human).
- PO1HD-01136-10 (HDGD) JENKINS, JAMES J, UNIVERSITY OF MINNESOTA, 400 FORD HALL, MINNEAPOLIS, MINN. Center for research in human learning.
- PO1HD-01136-10 0002 (HDGD) LABERGE, DAVID. Center for research in human learning—Reaction time and information processing (human).
- PO1HD-01136-10 0003 (HDGD) PICK, HERBERT. Center for research in human learning—Perception (children).
- PO1HD-01136-10 0004 (HDGD) SHAW, R E. Center for research in human learning—Cognition.
- PO1HD-01136-10 0006 (HDGD) PETERSON, C L. Center for research in human learning—Verbal learning and memory (children).
- PO1HD-01136-10 0007 (HDGD) MARATSOS, MICHAEL P. Center for research in human learning—Language (children, adults).
- PO1HD-01136-10 0008 (HDGD) BARRIS, R. Center for research in human learning—Instruction (children, adults).
- PO1HD-01136-10 0009 (HDGD) CHARLESWORTH, W R. Center for research in human learning—Motor skills and tool using.
- PO1HD-01136-10 0011 (HDGD) SAMUELS, JAY. Center for research in human learning—Reading (children).
- PO1HD-01136-10 0012 (HDGD) JENKINS, JAMES J. Center for research in human learning—Speech perception.
- PO1HD-01136-10 0013 (HDGD) JENKINS, JAMES J. Center for research in human learning—Speech generation (children).
- PO1HD-01136-10 0014 (HDGD) JENKINS, JAMES J. Center for research in human learning—Aphasia.
- PO1HD-01136-10 0015 (HDGD) MOORES, D. Center for research in human learning—Communication in the deaf (children).
- PO1HD-01136-10 0016 (HDGD) OVERMIER, J B. Center for research in human learning—Emotions as behavior mediators.
- RO1HD-01182-12 (REB) GORSKI, ROGER A, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Ovarian-hypothalamic-hypophyseal axis (rats).
- RO1HD-01229-23 (MBY) DOTY, PAUL M, HARVARD UNIVERSITY, 12 OXFORD ST, CAMBRIDGE, MASS. Chromatin, special genes and RNA in development (sea urchins, chick embryo, virus).
- RO1HD-01231-24 (BND) WILHELM, ALFRED E, EMORY UNIVERSITY, DEPT OF BIOCHEMISTRY, ATLANTA, GA. Anterior pituitary hormones (animals).
- RO1HD-01233-19 (PC) CHRISTENSEN, MALVOR M, UNIVERSITY OF MICHIGAN, 4304 MEDICAL SCIENCE BLDG I, ANN ARBOR, MICH. Sites and reactants in amino acid transport (rabbits, rats, birds, bacteria).
- RO1HD-01236-19 (CBY) FRIEDEN, EARL, FLORIDA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, TALLAHASSEE, FLA. Amphibian development—Thyroid induced metamorphosis (frogs).
- RO1HD-01253-16 (CBY) MOSCONA, ARON A, UNIVERSITY OF CHICAGO, 1101 EAST 57TH STREET, CHICAGO, ILL. Cellular and molecular controls in neurodifferentiation (mice).
- RO1HD-01269-12 (MET) BLUM, JACOB J, DUKE UNIVERSITY MED CTR, DEPT OF PHYSIOLOGY & DURHAM, N. C. Control of metabolism in tetrahymena.
- RO1HD-01287-12 (MMB) HERZENBERG, LEONARD A, STANFORD UNIVERSITY, DEPT OF GENETICS, STANFORD, CALIF. Fetal-maternal immunological interactions (mice).
- RO1HD-01385-09 (HED) JACKSON, BENJAMIN T, BOSTON UNIV SCH OF MEDICINE, 80 E CONCORD STREET, BOSTON, MASS. Experimental erythroblastosis fetalis (dogs, monkeys, sheep).
- RO1HD-01322-10 (TMP) LANG, CALVIN A, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Metals and nucleic acids in mosquito growth and aging.
- RO1HD-01613-10 (CVB) HOLLOSZY, JOHN O, WASHINGTON UNIVERSITY, 4566 SCOTT AVENUE, ST LOUIS, MO. Exercise-induced biochemical and anatomic adaptations (rats).
- RO1HD-01644-15 (CBY) MINTZ, BEATRICE, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Gene control of mammalian development and disease (mice).
- RO1HD-01687-09 (VR) ALFORD, CHARLES A, JR, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Pathogenesis of infection in human maldevelopment.
- RO1HD-01689-09 (CBY) SHEKEVITZ, PHILIP, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVE, NEW YORK, N. Y. Biogenesis of intracellular membranes (rats, algae, bacteria).
- RO1HD-01725-08 (EXP) NEUMARK, EDITH D, DOUGLASS COLLEGE, NEW BRUNSWICK, N. J. Development of Mnemonic strategies (human).
- RO1HD-01743-09 (NTN) HURLEY, LUCILLE S, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF, DAVIS, CALIF. Nutritional factors in mammalian development (rats, monkeys).
- R13HD-01765-08 (DBR) PICK, ANNE, UNIVERSITY OF MINNESOTA, INST OF CHILD DEVELOPMENT, MINNEAPOLIS, MINN. Minnesota Symposium on Child Psychology.
- RO1HD-01784-09 (NTN) FILER, LLOYD J, JR, UNIVERSITY HOSPITALS, DEPARTMENT OF PEDIATRICS, IOWA CITY, IOWA. Growth patterns and body composition (swine miniature).
- PO1HD-01799-09 (HDMR) PURPURA, DOMINICK P, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Mental retardation research center.
- PO1HD-01799-09 0001 (HDMR) BENNETT, M V L. Mental retardation research center—Development of inter-neuronal communication processes.
- PO1HD-01799-09 0002 (HDMR) BORNSTEIN, MURRAY. Mental retardation research center—Studies on neural tissue cultures (mammals).
- PO1HD-01799-09 0003 (HDMR) PURPURA, DOMINICK P. Mental retardation research center—Developmental morphophysiology of immature mammalian brain.
- PO1HD-01799-09 0005 (HDMR) TERRY, ROBERT. Mental retardation research center—Neuropathological processes in development and aging (human).
- PO1HD-01799-09 0006 (HDMR) VAUGHN, HERVERT. Mental retardation research center—Behavioral and developmental neuropsychology (humans, monkeys).
- PO1HD-01799-09 0007 (HDMR) BUSCHKE, HERMAN. Mental retardation research center—Developmental neuropsychology (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1HD-01799-09 0008 (HDMR) BLOCH, ERIC. Mental retardation research center-Developmental biochemistry of steroids (rats).
- PO1HD-01799-09 0009 (HDMR) SOBEL, EDNA H. Mental retardation research center-Growth regulatory mechanisms (rats, human).
- PO1HD-01799-09 0010 (HDMR) SHAPIRO, ARNOLD. Mental retardation research center-Optic lens development (mammals).
- PO1HD-01799-09 0011 (HDMR) BOSSOM, JOSEPH. Mental retardation research center-Development of movement control systems in primates.
- PO1HD-01799-09 0012 (HDMR) PURPURA, DOMINICK P. Mental retardation research center-Synaptic function-subcellular fractionation techniques.
- PO1HD-01799-09 0013 (HDMR) NITOWSKY, HAROLD M. Mental retardation research center-Developmental alterations of amniotic fluid (human).
- PO1HD-01799-09 0014 (HDMR) KLINGER, HARRY P. Mental retardation research center-Studies of patients with informative chromosome abnormalities.
- PO1HD-01799-09 0015 (HDMR) NITOWSKY, HAROLD M. Mental retardation research center-Patients with metabolic errors and aberrant behavioral development.
- PO1HD-01799-09 0016 (HDMR) NITOWSKY, HAROLD M. Mental retardation research center-Metabolic interactions in cell culture inborn errors of metabolism.
- PO1HD-01799-09 0017 (HDMR) RAPIN, ISABEL. Mental retardation research center-Hearing impairment etiology and impact in language and behavioral development.
- PO1HD-01799-09 0018 (HDMR) ANDERS, THOMAS F. Mental retardation research center-Individual difference and environmental effects in maturation of sleep-wake cycle.
- PO1HD-01799-09 0019 (HDMR) TAFT, LAWRENCE T. Mental retardation research center-Behavioral development and evoked potentials in prematurely born infants.
- PO1HD-01799-09 0020 (HDMR) VAUGHN, HERBERT. Mental retardation research center-EEG and behavioral observations on neonates and "borderers".
- PO1HD-01799-09 0021 (HDMR) FRAAD, LEWIS M. Mental retardation research center-Development of cluster foster homes.
- PO1HD-01799-09 0022 (HDMR) TAFT, LAWRENCE T. Mental retardation research center-Functional retardates.
- PO1HD-01799-09 0027 (HDMR) TAFT, LAWRENCE T. Mental retardation research center-Aberrant development and its modification.
- PO1HD-01799-09 0028 (HDMR) GARTNER, LAWRENCE. Mental retardation research center-Developmental hepatic physiology and bilirubin encephalopathy (monkeys, human).
- PO1HD-01799-09 0029 (HDMR) DINER, HAROLD. Mental retardation research center-Dentistry.
- PO1HD-01799-09 0030 (HDMR) SCARPELLI, EMILE. Mental retardation research center-Developmental pulmonary function and diseases (human).
- PO1HD-01799-09 0031 (HDMR) SOBEL, EDNA H. Mental retardation research center-Endocrinology-growth disorders with mental retardation or neurologic defect.
- PO1HD-01799-09 0032 (HDMR) EDELMAN, CHESTER M. Mental retardation research center-Developmental studies of renal function and renal disease (mammals, human).
- PO1HD-01799-09 0033 (HDMR) BRIDGER, WAGNER. Mental retardation research center-Developmental psychology (human).
- PO1HD-01799-09 0034 (HDMR) NITOWSKY, HAROLD M. Mental retardation research center-Human cytogenetics and biochemical genetics.
- PO1HD-01799-09 0035 (HDMR) KLINGER, HAROLD P. Mental retardation research center-Cytogenetics and somatic cell genetics (human, mammals).
- PO1HD-01799-09 0036 (HDMR) RAPIN, ISABEL. Mental retardation research center-Perinatal abnormalities on development of hearing and language (human).
- PO1HD-01799-09 0037 (HDMR) ANDERS, THOMAS F. Mental retardation research center-Sleep-wake states.
- PO1HD-01799-09 0038 (HDMR) TAFT, LAWRENCE T. Mental retardation research center-Nutrition, behavioral development and evoked potentials in premature infants.
- PO1HD-01799-09 0039 (HDMR) VAUGHN, HERBERT. Mental retardation research center-EEG and behavioral development.
- PO1HD-01799-09 0041 (HDMR) BRIDGER, WAGNER. Mental retardation research center-Effects of stimulation on sleep and perceptual organization of premature infant.
- PO1HD-01799-09 0042 (HDMR) PURPURA, DOMINICK P. Mental retardation research center-Program for clinical research training in mental retardation.
- PO1HD-01799-09 0043 (HDMR) PURPURA, DOMINICK P. Mental retardation research center-Severe malnutrition in infancy and late intellectual and behavioral development.
- PO1HD-01799-09 0044 (HDMR) PURPURA, DOMINICK P. Mental retardation research center-Development of social and interpersonal skills in childhood.
- PO1HD-01799-09 0045 (HDMR) RICHARDSON, STEPHEN A. Mental retardation research center-Organization and conduct of services for mentally subnormal children.
- PO1HD-01799-09 0046 (HDMR) LEVENS, HELENE. Mental retardation research center-Parent's expectations, health care clinic and communication.
- PO1HD-01799-09 0047 (HDMR) SUZUK, KUNHIKO. Mental retardation research center-Developmental neurochemistry (rats).
- PO1HD-01799-09 0048 (HDMR) COHEN, HERBERT. Mental retardation research center-Developmental disabilities program.
- PO1HD-01799-09 0049 (HDMR) ABRAMOWICZ. Mental retardation research center-Social ecology research unit.
- PO1HD-01799-09 0050 (HDMR) SIRENBAUM, ARNOLD. Mental retardation research center-Mental retarded adults relocation.
- PO1HD-01799-09 0051 (HDMR) RONALD, LINDA. Mental retardation research center-Social consequences of handicapping.
- PO1HD-01799-09 0052 (HDMR) VAUGHN, HERBERT G. Mental retardation research center-Electrophysiologic studies of brain maturation (mammals).
- PO1HD-01799-09 0053 (HDMR) TURKEWITZ, G. Mental retardation research center-Sensory organization and modifiability of behavior in high-risk neonate (human).
- PO1HD-01799-09 0054 (HDMR) SACHAR, EDWARD J. Mental retardation research center-Neuroendocrine studies of normal and high risk infants.
- PO1HD-01799-09 0055 (HDMR) SCARPELLI, EMILE. Mental retardation research center-Pathophysiology of respiratory distress syndrome (human).
- PO1HD-01799-09 0056 (HDMR) NASH, MENTAL RETARDATION RESEARCH CENTER-Metabolic acidosis in respiratory distress syndrome (human).
- PO1HD-01799-09 0057 (HDMR) GARTNER, LAWRENCE. Mental retardation research center-Mechanisms and therapy of hyperbilirubinemia-Kernicterus (human).
- RO1HD-01805-09 (BM) MITCHELL, GEORGE W. JR, ST MARGARET'S HOSP, 90 CUSHING AVENUE, BOSTON, MASS. Host-parasite relationships in pregnancy (human, rodents).
- RO1HD-01823-11 (NEUA) MC KEAN, CHARLES M, BRAIN-BEHAVIOR RESEARCH CTR, SONOMA STATE HOSP, ELDRIDGE, CALIF. Effect of amino acids on metabolism, EEG, and behavior (human, rats).
- RO1HD-01831-09 (GEN) ASHTON, GEOFFREY C, DEPARTMENT OF GENETICS, 1960 EAST WEST ROAD, HONOLULU, HAWAII. Factors maintaining biochemical polymorphisms.
- RO1HD-01831-09 0001 (GEN) ASHTON, GEOFFREY C. Factors maintaining biochemical polymorphisms-Transferrins and fertility (human, swine).
- RO1HD-01831-09 0002 (GEN) ASHTON, GEOFFREY C. Factors maintaining biochemical polymorphisms-Serum Gc type and heart disease (human).
- RO1HD-01831-09 0003 (GEN) ASHTON, GEOFFREY C. Factors maintaining biochemical polymorphisms-Alpha-antitrypsin phenotype and smoking habit (human).
- RO1HD-01860-08 (HED) FORSTER, ROBERT E, UNIVERSITY OF PENNSYLVANIA, DEPT OF PHYSIOLOGY, PHILADELPHIA, PA. Placental exchange, particularly with O₂ and CO (sheep, piglets, human).
- RO1HD-01866-09 (SSS) MIESCHIA, GIACOMO, UNIVERSITY OF COLORADO MED CTR, 4200 E 9TH AVENUE, DENVER, COLO. Physiological study of the placenta (sheep).
- RO1HD-01962-09 (GEN) YUNIS, JORGE J, UNIVERSITY OF MINNESOTA HOSP, BOX 198 MAYO MEMORIAL BLDG, MINNEAPOLIS, MINN. Constitutive heterochromatin and RNA synthesis (human, hamsters).
- PO1HD-01994-09 (HDOD) COOPER, FRANKLIN S, HASKINS LABORATORIES, INC, 270 CROWN STREET, NEW HAVEN, CONN. Nature and acquisition of speech code and reading.
- PO1HD-01994-09 0001 (HDGD) COOPER, FRANKLIN S. Nature and acquisition of speech code and reading-Speech code and language processing.
- PO1HD-01994-09 0002 (HDGD) COOPER, FRANKLIN S. Nature and acquisition of speech code and reading-Endowment and experience.
- PO1HD-01994-09 0003 (HDGD) COOPER, FRANKLIN S. Nature and acquisition of speech code and reading-Perception of language by ear and eye.
- RO1HD-02014-09 (REB) TALBERT, GEORGE B, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Effect of maternal age on reproductive capacity (mice).
- RO1HD-02026-09 (DBR) YOUNISS, JAMES, CATHOLIC UNIV OF AMERICA, DEPT OF PSYCHOLOGY, WASHINGTON, D. C. A developmental evaluation of logical operations (human).
- NO1HD-02077-08 (***) COALE, ANSLEY J, PRINCETON, NEW JERSEY. Analysis of the decline of fertility in Europe.
- PO1HD-02080-09 (HDPB) PUCK, THEODORE T, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Cell biology of developmental anomalies (human, mammals nonhuman).
- RO1HD-02138-12 (REB) BARRACLOUGH, CHARLES A, UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE, BALTIMORE, MD. Central nervous system regulation of reproduction (rats).
- NO1HD-02142-04 (***) ODOR, D LOUISE, RICHMOND, VIRGINIA. Ultrastructural studies on the oviduct (rabbits, monkeys).
- NO1HD-02147-05 (***) SRIVASTAVA, PRAKASH N, ATHENS, GEORGIA. Reproductive biochemistry (rabbit).
- PO1HD-02147-08 (HDPS) SCHWARTZ, HERBERT, STANFORD UNIVERSITY, DEPARTMENT OF PEDIATRICS, STANFORD, CALIF. Extruterine growth and development.
- PO1HD-02147-08 0001 (HDPS) KRETCHMER, NORMAN. Extruterine growth and development-Cellular surfaces (human embryo).
- PO1HD-02147-08 0002 (HDPS) HOOGENRAAD, NICHOLAS J. Extruterine growth and development-Cellular division (mice).
- PO1HD-02147-08 0003 (HDPS) HURWITZ, R. Extruterine growth and development-Pancreas (mice, rats).
- PO1HD-02147-08 0004 (HDPS) KRETCHMER, NORMAN. Extruterine growth and development-Intestine (human, mice).
- PO1HD-02147-08 0005 (HDPS) JOHNSON, JOHN D. Extruterine growth and development-Liver and bilirubin production (rats).
- PO1HD-02147-08 0006 (HDPS) SCHWARTZ, HERBERT C. Extruterine growth and development-Hemoglobin synthesis (human).
- PO1HD-02147-08 0007 (HDPS) SCHWARTZ, HERBERT C. Extruterine growth and development-Development and differentiation of leukocytes (human).
- PO1HD-02147-08 0008 (HDPS) SUNSHINE, PHILIP. Extruterine growth and development-Parenteral nutrition and adaptation of digestive enzymes (human).
- PO1HD-02147-08 0009 (HDPS) SCHWARTZ, HERBERT C. Extruterine growth and development-Hemoglobin oxygen transport (human, pinnipeds).
- PO1HD-02147-08 0010 (HDPS) GRIBBLE, JOHN T. Extruterine growth and development-Neonatal anemias (human).
- PO1HD-02147-08 0012 (HDPS) JOHNSON, JOHN D. Extruterine growth and development-Bilirubin production in infancy (dogs, human).
- NO1HD-02149-04 (***) MAHESH, VIRENDRA B, AUGUSTA, GEORGIA. Control of ovulation and corpus luteum function (rodents).
- NO1HD-02158-05 (***) BRODIE, HARRY J, SHREWSBURY, MASSACHUSETTS. Develop inhibitors to estrogen biosynthesis (human).
- RO1HD-02186-09 (CBY) LIN, TEM P, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. Fusion and development of mammalian blastomeres (mice, hamsters, viruses).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PO1HD-02187-06 (***) HORVITZ, DANIEL G, CHAPEL HILL, NORTH CAROLINA. Techniques for demographic analysis.
- NO1HD-02190-04 (***) GOLDSTEIN, SIDNEY, PROVIDENCE, RHODE ISLAND. Urbanization migration and fertility in Thailand.
- RO1HD-02228-06 (PCR) BAUMRIND, DIANA, UNIVERSITY OF CALIFORNIA, 1203 TOLMAN HALL, BERKELEY, CALIF. Family socialization and development competence.
- NO1HD-02250-06 (***) MEYER, ELVA S, MADISON, WISCONSIN. Radioimmunoassay for Rhesus monkey gonadotropins.
- NO1HD-02251-07 (***) CANFIELD, ROBERT E, NEW YORK, NEW YORK. Human chorionic gonadotropin (HCG) studies.
- RO1HD-02266-09 (PTHA) KLEBANOFF, SEYMOUR J, UNIVERSITY OF WASHINGTON, BB1325 HEALTH SCIENCES, SEATTLE, WASH. Uterine eosinophil structure and function (human, rats, cattle).
- RO1HD-02268-09 (GMA) ODELL, GERARD B, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Maturation of liver for the metabolism of bilirubin (rats, human).
- PO1HD-02274-06 (HDMR) GRAYSTON, J THOMAS, UNIVERSITY OF WASHINGTON, 303 DMR CENTER WJ-10, SEATTLE, WASH. Mental retardation and child development.
- PO1HD-02274-06 0002 (HDMR) LEMIRE, RONALD J. Mental retardation and child development-Neuroembryology (human).
- PO1HD-02274-06 0003 (HDMR) MILLIS, ALBERT J T. Mental retardation and child development-Somatic cell genetics (human).
- PO1HD-02274-06 0004 (HDMR) SHEPARD, THOMAS H. Mental retardation and child development-Central laboratory for human embryology (and animals).
- PO1HD-02274-06 0003 (HDMR) MACKLER, BRUCE. Mental retardation and child development-Developmental biochemistry (human, animals, yeasts).
- PO1HD-02274-06 0009 (HDMR) EMANUEL, IRVIN. Mental retardation and child development-Epidemiology of abnormal fetal development (human).
- PO1HD-02274-06 0012 (HDMR) LOCKARD, JOAN. Mental retardation and child development-Behavioral research (monkeys).
- PO1HD-02274-06 0014 (HDMR) ALVORD, ELLSWORTH C JR. Mental retardation and child development-Neuropathology (human, monkeys, rats).
- PO1HD-02274-06 0015 (HDMR) KALINA, ROBERT E. Mental retardation and child development-Ophthalmology (human, primates, rats).
- PO1HD-02274-06 0019 (HDMR) WENBERG, RICHARD P. Mental retardation and child development-Bilirubin metabolism (human, primates, cats).
- PO1HD-02274-06 0025 (HDMR) BERLIN, IRVING N. Mental retardation and child development-Psychiatry research program (human, primates).
- PO1HD-02274-06 0032 (HDMR) DRISHER, ROBERT W. Mental retardation and child development-Clinical training unit.
- PO1HD-02274-06 0033 (HDMR) HARRING, NORRIS G. Mental retardation and child development-Experimental education unit.
- PO1HD-02274-06 0034 (HDMR) CALVIN, WILLIAM H. Mental retardation and child development-Neurophysiology membrane mechanisms of repetitive firing (cats, monkeys).
- PO1HD-02274-06 0036 (HDMR) KOGAN, KATE L. Mental retardation and child development-Mother-child interaction.
- PO1HD-02274-06 0040 (HDMR) LABBE, ROBERT F. Mental retardation and child development-Firecrest research laboratories (human).
- PO1HD-02274-06 0041 (HDMR) WARD, ARTHUR A. Mental retardation and child development-Neurological sciences program.
- PO1HD-02274-06 0042 (HDMR) WESTRUM, LESNICK W. Mental retardation and child development-Fine structure of deafferentation (cat, rats).
- PO1HD-02274-06 0043 (HDMR) HARRIS, A BASH. Mental retardation and child development-Degeneration associated with epileptic foci (monkeys).
- PO1HD-02274-06 0044 (HDMR) FETZ, EBERHARD E. Mental retardation and child development-Neurophysiology-Firing patterns of epileptic neurons in primates.
- PO1HD-02274-06 0045 (HDMR) OJEMANN, GEORGE A. Mental retardation and child development-Microelectrode studies in humans.
- PO1HD-02274-06 0046 (HDMR) OJEMANN, GEORGE A. Mental retardation and child development-Studies of language and memory function in humans.
- PO1HD-02274-06 0047 (HDMR) LOESER, JOHN D. Mental retardation and child development-Hyperactivity in sensory systems (human).
- PO1HD-02274-06 0048 (HDMR) GREEN, JOHN R. Mental retardation and child development-Computer programming for retrieval of clinical research data.
- PO1HD-02274-06 0049 (HDMR) GREEN, JOHN R. Mental retardation and child development-Partial versus generalized seizures clinical considerations (human).
- PO1HD-02274-06 0050 (HDMR) CARTER, PATSY D. Mental retardation and child development-Social service evaluation.
- PO1HD-02274-06 0051 (HDMR) SWANSON, PHILLIP D. Mental retardation and child development-Energy utilizing process in the central nervous system (rats).
- PO1HD-02274-06 0053 (HDMR) GREEN, JOHN R. Mental retardation and child development-Clinical studies of anticonvulsant activity.
- PO1HD-02274-06 0054 (HDMR) CAMERMAN, ARTHUR. Mental retardation and child development-Molecular structure of anticonvulsants.
- PO1HD-02274-06 0056 (HDMR) FARRELL, DONALD F. Mental retardation and child development-Mechanisms in primary demyelination (mammals).
- PO1HD-02274-06 0057 (HDMR) SWANSON, PHILLIP D. Mental retardation and child development-Subcellular fractionation of postmortem tissues (human).
- PO1HD-02274-06 0058 (HDMR) SWANSON, PHILLIP D. Mental retardation and child development-Biochemistry of pathophysiological states (human).
- PO1HD-02274-06 0062 (HDMR) CRILL, WAYNE E. Mental retardation and child development-Neurophysiology of epileptic foci (cats, sea slugs).
- PO1HD-02274-06 0063 (HDMR) GREEN, JOHN R. Mental retardation and child development-Enzyme studies on epileptic models (human).
- PO1HD-02274-06 0067 (HDMR) BUNT, ANN H. Mental retardation and child development-Effects of vinclostin sulfate on retina (rabbits).
- PO1HD-02274-06 0068 (HDMR) FUTTERMAN, SIDNEY. Mental retardation and child development-Biochemical studies of retina (human, chickens).
- PO1HD-02274-06 0072 (HDMR) HENDECKSON, ANITA. Mental retardation and child development-The primate visual system.
- PO1HD-02274-06 0073 (HDMR) KALINA, ROBERT E. Mental retardation and child development-Normal and altered visual development in premature infants.
- PO1HD-02274-06 0074 (HDMR) LUND, JENNIFER. Mental retardation and child development-Neuronal development of the visual cortex (monkeys, rats).
- PO1HD-02274-06 0076 (HDMR) CONRAD, JOHN T. Mental retardation and child development-Perinatal biology program (humans, mammals).
- PO1HD-02274-06 0077 (HDMR) DONAHUE, ROGER P. Mental retardation and child development-Embryology and oogenesis (mice).
- PO1HD-02274-06 0078 (HDMR) FINK, B. RAYMOND. Mental retardation and child development-Biochemical mechanisms of anesthetic action (mammals).
- PO1HD-02274-06 0081 (HDMR) WOODRUM, DAVID E. Mental retardation and child development-Initiation of breathing (sheep).
- PO1HD-02274-06 0002 (HDMR) ALDEN, ERROL E. Mental retardation and child development-Cataracts in premature infants.
- PO1HD-02274-06 0083 (HDMR) GUNTHEROTH, WARREN G. Mental retardation and child development-Sudden infant death (rats).
- PO1HD-02274-06 0007 (HDMR) WOODRUM, DAVID E. Mental retardation and child development-Artificial placenta (sheep).
- PO1HD-02274-06 0068 (HDMR) PETRA, PHILIP H. Mental retardation and child development-Structure and function of steroid binding proteins.
- PO1HD-02274-06 0089 (HDMR) CONRAD, SUZANNE. Mental retardation and child development-Reproductive physiology (rabbits).
- PO1HD-02274-06 0092 (HDMR) UELAND, KENT. Mental retardation and child development-The mother (human, mammals).
- PO1HD-02274-06 0094 (HDMR) BICKETTS, HOWARD J. Mental retardation and child development-Measurement of blood flow with ultrasonic catheter technique.
- PO1HD-02274-06 0095 (HDMR) GRAHAM, C. BENJAMIN. Mental retardation and child development-Pulmonary mucous transport in newborn infants.
- PO1HD-02274-06 0096 (HDMR) GELBERT, RONALD S. Mental retardation and child development-Effect of zebiotic agents on reproduction (rats).
- PO1HD-02274-06 0097 (HDMR) HODSON, W. ALAN. Mental retardation and child development-Pathogenesis of hyaline membrane disease (human, monkeys).
- PO1HD-02274-06 0098 (HDMR) HODSON, W. ALAN. Mental retardation and child development-Cardiopulmonary adaptation to birth (sheep).
- PO1HD-02274-06 0100 (HDMR) SACKETT, GENE P. Mental retardation and child development-Behavioral research unit (human).
- PO1HD-02274-06 0101 (HDMR) THOMPSON, GARY. Mental retardation and child development-Auditory stimuli in eliciting responses (human).
- PO1HD-02274-06 0102 (HDMR) WEBER, BRUCE. Mental retardation and child development-Effects of drugs on EEG audiometry (human).
- PO1HD-02274-06 0103 (HDMR) WEBER, BRUCE. Mental retardation and child development-Perception of clicks superimposed on sentences.
- PO1HD-02274-06 0105 (HDMR) HEDRICK, DONA L. Mental retardation and child development-Sequenced inventory of language development (human).
- PO1HD-02274-06 0109 (HDMR) ADDICOTT, JOHN. Mental retardation and child development-Auditory discrimination and language development in children.
- PO1HD-02274-06 0112 (HDMR) HEDRICK, DONA L. Mental retardation and child development-Nature of infant cries.
- PO1HD-02274-06 0114 (HDMR) CARPENTER, ROBERT L. Mental retardation and child development-Auditory discrimination analysis in children.
- PO1HD-02274-06 0115 (HDMR) KUNZE, LUYVERN H. Mental retardation and child development-Fluctuating hearing loss and language acquisition.
- PO1HD-02274-06 0116 (HDMR) KUNZE, LUYVERN H. Mental retardation and child development-Language abilities of blind retarded children.
- PO1HD-02274-06 0117 (HDMR) BARNHARD, KATHRYN E. Mental retardation and child development-Nursing research program.
- PO1HD-02274-06 0119 (HDMR) BARNHARD, KATHRYN E. Mental retardation and child development-Effect of stimulation on premature infants.
- PO1HD-02274-06 0121 (HDMR) BERLIN, IRVING N. Mental retardation and child development-Cardiovascular correlates of social and emotional behavior (human, monkeys).
- PO1HD-02274-06 0122 (HDMR) BOWDIN, DOUGLAS M. Mental retardation and child development-Shaping social behavior using electrical brain stimulation as a reward (monkeys).
- PO1HD-02274-06 0125 (HDMR) SACKETT, GENE P. Mental retardation and child development-Effects of maternal contact prior to total isolation rearing (monkeys).
- PO1HD-02274-06 0126 (HDMR) SACKETT, GENE P. Mental retardation and child development-Effects of social stimulation, varied sensory input in isolation (monkeys).
- PO1HD-02274-06 0127 (HDMR) SACKETT, GENE P. Mental retardation and child development-Color vision in neonatal pigtail monkeys.
- PO1HD-02274-06 0129 (HDMR) SACKETT, GENE P. Mental retardation and child development-Modification of isolation-induced abnormalities by drugs (monkeys).
- PO1HD-02274-06 0134 (HDMR) SACKETT, GENE P. Mental retardation and child development-Primate model for genetic susceptibility to abnormal behavior (monkeys).
- PO1HD-02274-06 0135 (HDMR) REITAN, RALPH M. Mental retardation and child development-Psychological correlates of cerebral lesions in children.
- PO1HD-02274-06 0136 (HDMR) REITAN, RALPH M. Mental retardation and child development-Sensorimotor functions in brain-damaged children.
- PO1HD-02274-06 0140 (HDMR) BOLL, THOMAS A. Mental retardation and child development-Neurophysiology laboratory.
- PO1HD-02274-06 0142 (HDMR) SCOTT, C. RONALD. Mental retardation and child development-Metabolic disorders of genetic origin (human).
- PO1HD-02274-06 0143 (HDMR) SMITH, NATHAN J. Mental retardation and child development-Developmental nutrition and immunity.
- PO1HD-02274-06 0144 (HDMR) WEDGWOOD, RALPH J. Mental retardation and child development-Developmental immunology (human, rats).
- PO1HD-02274-06 0145 (HDMR) LOESER, JOHN D. Mental retardation and child development-Effects of deafferentation upon lateral cuneate nucleus (cats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1HD-02274-08 0146 (HDMR) LOESER, JOHN D. Mental retardation and child development—Degeneration in cervical dorsal columns and lateral cerebellar nucleus (rats).

PO1HD-02274-08 0147 (HDMR) FARRELL, DONALD F. Mental retardation and child development—Study of leukodystrophies (human).

PO1HD-02274-08 0148 (HDMR) FARRELL, DONALD F. Mental retardation and child development—Genetic aspects of the leukodystrophies.

PO1HD-02274-08 0149 (HDMR) CARMERMAN, ARTHUR. Mental retardation and child development—Molecular structure investigations of thyroid hormones.

PO1HD-02274-08 0150 (HDMR) CARLSON, COLDENVIN B. Mental retardation and child development—Motor-neuron excitability in children with disorders of muscle tone.

PO1HD-02274-08 0151 (HDMR) JOHNSON, STANLEY. Mental retardation and child development—Neuroendocrinological abnormalities in mental retardation syndromes.

PO1HD-02274-08 0152 (HDMR) GREEN, JOHN R. Mental retardation and child development—Enzyme studies on epileptic models.

PO1HD-02274-08 0153 (HDMR) KEMP, JAMES C. Mental retardation and child development—Treatment of children with communication problems.

PO1HD-02274-08 0154 (HDMR) SELLS, CLIFFORD J. Mental retardation and child development—Follow-up of children with viral meningitis.

PO1HD-02274-08 0155 (HDMR) WILTZ, NICHILAS A JR.. Mental retardation and child development—Training parents to change children's behavior.

PO1HD-02274-08 0156 (HDMR) VANDERVEER, BEVERLY. Mental retardation and child development—Down's syndrome longitudinal study.

PO1HD-02274-08 0157 (HDMR) CAMPBELL, MARY M. Mental retardation and child development—Staff interpersonal relationships.

PO1HD-02274-08 0158 (HDMR) CAMPBELL, MARY M. Mental retardation and child development—Changes in adolescent communication patterns.

PO1HD-02274-08 0159 (HDMR) ROLLA, RICHARD. Mental retardation and child development—Operant conditioning of dental hygiene.

PO1HD-02274-08 0160 (HDMR) LAMSON, FREDERICK W. Mental retardation and child development—Adjustment of children in special learning classes.

PO1HD-02274-08 0161 (HDMR) PIPES, PEGGY. Mental retardation and child development—Children with Prader-Willi syndrome.

PO1HD-02274-08 0162 (HDMR) SELLS, CLIFFORD J. Mental retardation and child development—Effects of stimulant drugs on growth and development of hyperactive children.

PO1HD-02274-08 0163 (HDMR) CHANDLER, LYNETTE. Mental retardation and child development—Feeding skills and nutrient intake in Down's syndrome.

PO1HD-02274-08 0164 (HDMR) WULBERT, MARGARET. Mental retardation and child development—Language delay and home environment.

PO1HD-02274-08 0165 (HDMR) SULZBACHER, STEPHEN I. Mental retardation and child development—Behavioral effects of drugs on children.

NO1HD-02294-07 (***) PARKE, JAMES C, JR, CHARLOTTE, NORTH CAROLINA. Test capsular polysaccharide of hemophilus influenza type B.

RO1HD-02296-09 (CMS) BARNET, ANN B, CHILDRENS HOSP RES FDN, 2125 13TH ST, N W, WASHINGTON, D. C. Sensory evoked EEG and behavioral responses in children (human).

NO1HD-02510-05 (***) ROTHSCHILD, IRVING, CLEVELAND, OHIO. Regulate changes in corpus luteum physiology in the rat.

NO1HD-02519-04 (***) SALHANICK, HILTON A, CAMBRIDGE, MASSACHUSETTS. Screening for inhibitors of progesterone synthesis.

RO1HD-02385-09 (END) GRUMBACH, MELVIN M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, SAN FRANCISCO, CALIF. Hormonal effects on growth and maturation.

RO1HD-02335-09 0001 (END) GRUMBACH, MELVIN M. Hormonal effects on growth and maturation—Puberty (human, rats).

RO1HD-02335-09 0002 (END) GRUMBACH, MELVIN M. Hormonal effects on growth and maturation—Testicular function (human).

RO1HD-02335-09 0003 (END) GRUMBACH, MELVIN M. Hormonal effects on growth and maturation—Chorionic somatomammotropin and growth hormone (human, monkeys).

RO1HD-02335-09 0004 (END) GRUMBACH, MELVIN M. Hormonal effects on growth and maturation—Growth hormone deficiency (human).

RO1HD-02335-09 0005 (END) GRUMBACH, MELVIN M. Hormonal effects on growth and maturation—Sex chromosome abnormalities (human).

RO1HD-02335-09 0006 (END) GRUMBACH, MELVIN M. Hormonal effects on growth and maturation—Prenatal sex prediction (human).

RO1HD-02335-09 0007 (END) GRUMBACH, MELVIN M. Hormonal effects on growth and maturation—Diagnosis of congenital virilizing adrenal hyperplasia (human).

RO1HD-02344-09 (REB) FAWCETT, DON W, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Experimental studies on the seminiferous epithelium (rodents).

RO1HD-02355-08 (NTM) HURLEY, LUCILLE S, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF NUTRITION, DAVIS, CALIF. Genetic-nutritional interactions in development (mice).

RO1HD-02270-08 (HEM) GREEN, FLOYD A, VETERANS ADMINISTRATION HOSP, 3495 BAILEY AVENUE, BUFFALO, N. Y. Erythrocyte membrane sulfhydryls and Rh activity (human).

RO1HD-02371-08 (END) LYONS, WILLIAM R, UNIVERSITY OF CALIFORNIA, DEPT OF ANATOMY 1334-S, SAN FRANCISCO, CALIF. Hormone control of the mammary gland (human, animals).

RO1HD-02378-09 (END) LITTLE, A BRIAN, UNIVERSITY HOSP OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Hormone metabolism in reproduction (human, rabbits).

RO1HD-02395-08 (NEUA) SURWILLO, WALTER W, UNIVERSITY OF LOUISVILLE, SCHOOL OF MEDICINE, LOUISVILLE, KY. Development of the EEG in relation to behavior (human).

RO1HD-02455-08 (END) BECK, PAUL, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Metabolic and endocrine effects of peptide hormones (human, monkeys).

RO1HD-02459-08 (PTHB) KIKKAWA, YUTAKA, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVE, NEW YORK, N. Y. Ultrastructural studies of the lung (rabbits).

RO1HD-02506-08 (MED) FORSTHOFFEL, PAULINUS F, UNIVERSITY OF DETROIT, 4001 W MC NICHOLS ROAD, DETROIT, MICH. Teratogen and gene interactions on mouse development.

PO1HD-02528-08 (HDMR) SCHIEFELBUSCH, RICHARD L, UNIVERSITY OF KANSAS, 223 NEW HAWORTH HALL, LAWRENCE, KANS. Research center in mental retardation.

PO1HD-02528-08 0013 (HDMR) LEBLANC, JUDITH M. Research center in mental retardation—Laboratory analogues of behavior modification techniques (children).

PO1HD-02528-08 0014 (HDMR) BUTTERFIELD, EARL C. Research center in mental retardation—Moonala's learning and perception.

PO1HD-02528-08 0015 (HDMR) MCREYNOLDS, LBJA. Research center in mental retardation—Speech production and perception.

PO1HD-02528-08 0016 (HDMR) DIEDRICH, WILLIAM. Research center in mental retardation—Training speech clinicians.

PO1HD-02528-08 0020 (HDMR) BUTTERFIELD, EARL C. Research center in mental retardation—Cognitive capacities of the mentally retarded.

PO1HD-02528-08 0032 (HDMR) WOLF, MONTROSE A. Research center in mental retardation—Wyandotte house and achievement place programs.

PO1HD-02528-08 0036 (HDMR) WRIGHT, JOHN C. Research center in mental retardation—Attention and cognitive styles.

PO1HD-02528-08 0037 (HDMR) HOROWITZ, FRANCES. Research center in mental retardation—Infant research.

PO1HD-02528-08 0039 (HDMR) ETZEL, BARBARA. Research center in mental retardation—Preschool intervention program.

PO1HD-02528-08 0048 (HDMR) THOMSON, CAROLYN L. Research center in mental retardation—Experimental analysis of preschool curriculum procedures and materials.

PO1HD-02528-08 0041 (HDMR) THOMSON, CAROLYN L. Research center in mental retardation—Recording and sequencing of preacademic skills.

PO1HD-02528-08 0043 (HDMR) GOETZ, ELIZABETH M. Research center in mental retardation—Experimental analysis of different instructional materials.

PO1HD-02528-08 0044 (HDMR) COOPER, ALITZ Y. Research center in mental retardation—Teaching classification and vocabulary skills.

PO1HD-02528-08 0043 (HDMR) GOETZ, ELIZABETH M. Research center in mental retardation—Teaching creativity in artistic skills.

PO1HD-02528-08 0047 (HDMR) HOPKINS, WILLIAM. Research center in mental retardation—Special classroom.

PO1HD-02528-08 0050 (HDMR) DICKMANN, ZEEV. Research center in mental retardation—Hormonal control of preimplantation stages of pregnancy (rats).

PO1HD-02528-08 0051 (HDMR) GREENWALD, G S. Research center in mental retardation—Hormonal regulation of ovarian function (mammals).

PO1HD-02528-08 0052 (HDMR) JOHNSON, DONALD. Research center in mental retardation—Control and functional relationships of gonadotropins (rats).

PO1HD-02528-08 0053 (HDMR) WEITLAUF, HARRY. Research center in mental retardation—Regulating mechanisms of preimplantation embryo metabolism (mice).

PO1HD-02528-08 0055 (HDMR) CRIST, ROBERT. Research center in mental retardation—Cyanate and carbamyl phosphate action on central nervous system (rats).

PO1HD-02528-08 0036 (HDMR) KAUFFMAN, RALPH. Research center in mental retardation—Placental transfer of drugs (human, goats).

PO1HD-02528-08 0057 (HDMR) KAUFFMAN, RALPH. Research center in mental retardation—Pharmacokinetics of anticonvulsants in children.

PO1HD-02528-08 0058 (HDMR) NORTON, STATA. Research center in mental retardation—Experimental hyperactive behavior.

PO1HD-02528-08 0040 (HDMR) LANSKY, LESTER L. Research center in mental retardation—Early detection of degenerative diseases (human).

PO1HD-02528-08 0061 (HDMR) COUCH, JAMES E. Research center in mental retardation—Physiology and pharmacology of RAPHE system (mammals).

PO1HD-02528-08 0063 (HDMR) DIXON, LOIS S. Research center in mental retardation—Concept acquisitions.

PO1HD-02528-08 0044 (HDMR) FULTON, ROBERT T. Research center in mental retardation—Psychoacoustics and auditory discrimination.

PO1HD-02528-08 0065 (HDMR) CARRIER, JOSEPH K. Research center in mental retardation—Use of non-speech responses to teach communication.

PO1HD-02528-08 0067 (HDMR) STRIEBEL, SEBASTIAN. Research center in mental retardation—Instruction following behavior and its controlling stimuli.

PO1HD-02528-08 0073 (HDMR) SPRADLIN, JOSEPH E. Research center in mental retardation—Concept acquisition and transfer.

PO1HD-02528-08 0074 (HDMR) GOETZ, ELIZABETH M. Research center in mental retardation—Preschoolers as teachers.

PO1HD-02528-08 0075 (HDMR) MICHAELS, BIL. Research center in mental retardation—Molecular bases of mental retardation (rats).

PO1HD-02528-08 0076 (HDMR) HEPPNER, RICKY S. Research center in mental retardation—Interpretation of auditory environment (human).

PO1HD-02528-08 0077 (HDMR) HEPPNER, HENRY E. Research center in mental retardation—Role of auditory cortex (mammals nonhuman).

PO1HD-02528-08 0078 (HDMR) HENSLEIGH, PAUL. Research center in mental retardation—Corpus luteum function in treated infertility patients.

PO1HD-02528-08 0079 (HDMR) HENSLEIGH, PAUL. Research center in mental retardation—Spermatogenesis and gonadotropin feedback (rats).

PO1HD-02528-08 0050 (HDMR) HENSLEIGH, PAUL. Research center in mental retardation—Pregnancy stress and fetal growth (rats).

PO1HD-02528-08 0081 (HDMR) CRIST, ROBERT D. Research center in mental retardation—Metabolic correlates to self-destructive behavior (children).

PO1HD-02528-08 0082 (HDMR) KAUFFMAN, RALPH. Research center in mental retardation—Effect of central nervous system stimulants on hyperactive children.

PO1HD-02528-08 0083 (HDMR) LANSKY, LESTER L. Research center in mental retardation—Detection of brain destruction by serum isocitric dehydrogenase (human).

PO1HD-02528-08 0044 (HDMR) SAMSON, FREDERICK E. Research center in mental retardation—Energy flow in nervous tissue.

PO1HD-02528-08 0085 (HDMR) SAMSON, FREDERICK E. Research center in mental retardation—Chemical communication in nervous tissue.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01HD-02528-08 0036 (HDMR) SHELLENBERGER, M KENT. Research center in mental retardation-Neurotransmitters in the central nervous system (cats).	R01HD-03003-14 (REB) CHANG, MIN C, WORCESTER FDN FOR EXPER BIOL, 222 MAPLE AVENUE, SHREWSBURY, MASS. Physiology of the female tract (ferret, rodents, rabbits).
P01HD-02528-08 0037 (HDMR) MILLER, HERBERT. Research center in mental retardation-Fetal growth and its postnatal correlates (human).	P01HD-03008-07 (HDMR) ZIGLER, EDWARD F, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cognition and motivation in the retarded.
P01HD-02528-08 0038 (HDMR) BELMONT, JOHN M. Research center in mental retardation-Experimental analysis of memory deficits of retarded and deaf children.	P01HD-03008-07 0002 (HDMR) ACHENBACH, THOMAS. Cognition and motivation in the retarded-Cognitive development and strategies for thinking (children).
R01HD-02552-08 (GEN) HIRSCHHORN, KURT, MT SINAI SCHOOL OF MEDICINE, 100TH ST AND 5TH AVE, NEW YORK, N Y. Cellular aspect of human genetics and immunology.	P01HD-03008-07 0004 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Need for approval and conformity behavior.
R01HD-02581-14 (NTN) BARNES, RICHARD H, CORNELL UNIVERSITY, 124 SAVAGE HALL, ITHACA, N Y. Effects of malnutrition in early life (rats, swine).	P01HD-03008-07 0007 (HDMR) BALLA, DAVID. Cognition and motivation in the retarded-Effects of institutionalization on performance of retarded children.
R01HD-02588-08 (EXP) ELLIS, NORMAN R, UNIVERSITY OF ALABAMA, P O BOX 6234, UNIVERSITY, ALA. Stimulus factors in verbal learning of retardates (human).	P01HD-03008-07 0008 (HDMR) BALLA, DAVID. Cognition and motivation in the retarded-Social reinforcer effectiveness in normal children.
R01HD-02619-08 (GMS) TROTTER, MILDRED, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Development of skeletal weights in children (primates).	P01HD-03008-07 0010 (HDMR) BALLA, DAVID. Cognition and motivation in the retarded-Effects of success and failure on learning of normal and retarded children.
R01HD-02644-08 (HED) AULD, PETER A, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N Y. Functional aspects of pulmonary immaturity (premature infants, dogs).	P01HD-03008-07 0012 (HDMR) BALLA, DAVID. Cognition and motivation in the retarded-The verbal mediation defect theory of mental retardation.
R01HD-02646-08 (PC) MEYER, KARL, YESHIVA UNIVERSITY, AMSTERDAM AVENUE AND 185TH ST, NEW YORK, N Y. Mucopolysaccharides of connective tissues (human, bacteria, chick, rat).	P01HD-03008-07 0013 (HDMR) BALLA, DAVID. Cognition and motivation in the retarded-Motivational determinants of school behavior.
R01HD-02662-07 (IMB) FREEMAN, PHILIP, CHILDREN'S HOSP OF PITTSBURGH, 125 DE SOTO ST, PITTSBURGH, PA. Mechanisms of hypersensitivity (human, guinea pigs).	P01HD-03008-07 0015 (HDMR) BALLA, DAVID. Cognition and motivation in the retarded-Determinants of self-image disparity in children and adults.
R01HD-02704-08 (CVB) TAYLOR, PAUL M, MAGEE-WOMENS HOSP, HALKET STREET, PITTSBURGH, PA. Lung edema, immaturity and hyaline membrane disease (dogs, rabbits, sheep).	P01HD-03008-07 0016 (HDMR) BALLA, DAVID. Cognition and motivation in the retarded-Developmental theory of psychopathology.
R01HD-02715-06 (END) KITTINGER, GEORGE W, OREGON REG PRIMATE RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Fetal and neonatal adrenocortical function in monkeys.	P01HD-03008-07 0017 (HDMR) SEITZ, VICTORIA. Cognition and motivation in the retarded-Evaluation of educational intervention programs.
P01HD-02741-10 (HDAG) LANSING, ALBERT I, UNIV OF PITTSBURGH, 3550 TERRACE ST, PITTSBURGH, PA. Experimental cytology of aging cells and tissues.	P01HD-03008-07 0018 (HDMR) SEITZ, VICTORIA. Cognition and motivation in the retarded-Motivational factors influencing performance in tasks with adult examiners.
P01HD-02741-10 0001 (HDAG) LANSING, ALBERT I. Experimental cytology of aging cells and tissues-Changes in protein synthesis with age in vivo (rats).	P01HD-03008-07 0019 (HDMR) SEITZ, VICTORIA. Cognition and motivation in the retarded-Strength of 'disadvantaged' children.
P01HD-02741-10 0003 (HDAG) LANSING, ALBERT I. Experimental cytology of aging cells and tissues-Changes in protein synthesis with age in vitro (rats).	P01HD-03008-07 0020 (HDMR) SEITZ, VICTORIA. Cognition and motivation in the retarded-Cognitive and motivational determinants of imitiveness.
R01HD-02756-08 (END) ANAST, CONSTANTINE S, UNIVERSITY OF MISSOURI, DEPT OF PEDIATRICS, COLUMBIA, MO. Calcitonin and parathyroid hormone in children (human, guinea pigs, chickens).	P01HD-03008-07 0021 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Effects of need for social approval and mastery on task performance.
R01HD-02760-07 (NTN) SNYDERMAN, SELMA E, 550 FIRST AVENUE, NEW YORK, N Y. Amino acid requirements of premature infants (human).	P01HD-03008-07 0022 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Tendency of children to give socially desirable response.
R01HD-02761-07 (MET) HIRSCH, JULES, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Growth and development of adipose tissue (rats, mice).	P01HD-03008-07 0023 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Components of effactance motivation in normal and retarded children.
R01HD-02788-08 (SGYB) COOPER, REGINALD R, UNIVERSITY HOSPITALS, IOWA CITY, IOWA. Electron microscopy of bone and skeletal muscle (human, cats, dogs, rodents).	P01HD-03008-07 0024 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Assessment of curiosity motivation.
R01HD-02798-07 (HED) HARBERT, GUY M, JR, UNIVERSITY OF VIRGINIA, BOX 179, CHARLOTTESVILLE, VA. Primate uterine physiology (monkeys).	P01HD-03008-07 0025 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Relationship between curiosity motivation and learning.
R01HD-02803-07 (DEN) KASHIWA, HERBERT K, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Role of cells as depositors of calcium in bone (rats).	P01HD-03008-07 0026 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Curiosity in the classroom and measurement of attitudes towards school.
R01HD-02851-07 (REB) BARKER, KENNETH L, UNIV OF NEBRASKA, 42ND AND DEWEY AVENUE, OMAHA, NEBR. Specificity of uterine response to ovarian hormones (rats, cattle, human).	P01HD-03008-07 0027 (HDMR) HARTER, SUSAN. Cognition and motivation in the retarded-Smiling as a measure of child's sense of pleasure in mastery.
R01HD-02860-07 (GEN) NEURATH, PETER W, NEW ENGLAND MEDICAL CTR HOSPS, 171 HARRISON AVE, BOSTON, MASS. Quantitative human chromosome study aided by computer (also hamsters).	P01HD-03008-07 0028 (HDMR) SEITZ, VICTORIA. Cognition and motivation in the retarded-Basic research on nature of intervention (human, chickens).
R01HD-02871-08 (MET) WEINHOLD, PAUL A, UNIVERSITY OF MICHIGAN, DEPT OF BIOLOGICAL CHEMISTRY, ANN ARBOR, MICH. Phospholipid metabolism during development (rats).	P01HD-03008-07 0029 (HDMR) SPARROW, SARA. Cognition and motivation in the retarded-Test of treatment methods for retarded children.
P01HD-02881-07 (HDGD) LEVINE, SEYMOUR, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Developmental and behavioral neuroendocrinology.	P01HD-03008-07 0030 (HDMR) COHEN, DONALD J. Cognition and motivation in the retarded-Biology and competence.
P01HD-02881-07 0001 (HDGD) LEVINE, SEYMOUR. Developmental and behavioral neuroendocrinology-Prenatal studies (mice).	P01HD-03015-08 (HDPB) STERN, HERBERT, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Program for developmental biology.
P01HD-02881-07 0002 (HDGD) LEVINE, SEYMOUR. Developmental and behavioral neuroendocrinology-Postnatal studies (rodents, squirrel monkeys, rhesus monkeys).	P01HD-03015-08 0001 (HDPR) RYAN, KENNETH J. Program for developmental biology-Mammalian reproduction (human, mammals).
P01HD-02881-07 0003 (HDGD) LEVINE, SEYMOUR. Developmental and behavioral neuroendocrinology-Psychobiology of lactation (rabbits, squirrel monkeys).	P01HD-03015-08 0002 (HDPR) EPEL, DAVID. Program for developmental biology-Sodium dependent amino acid transport after fertilization.
P01HD-02881-07 0004 (HDGD) LEVINE SEYMOUR. Developmental and behavioral neuroendocrinology-Sexual dimorphism and sexual differentiation (squirrel monkeys).	P01HD-03015-08 0003 (HDPB) LINDSLEY, DAN. Program for developmental biology-Genetic control of meiosis and sperm development (Drosophila).
P01HD-02881-07 0005 (HDGD) LEVINE SEYMOUR. Developmental and behavioral neuroendocrinology-Hormones and learning in adults (squirrel monkeys).	P01HD-03015-08 0004 (HDPB) FREEMAN, GARY. Program for developmental biology-Primary germ cell differentiation (chick embryos, mosquitoes).
R01HD-02887-05 (MET) DONALDSON, WILLIAM E, BOX 5307, WEST RALEIGH STATION, RALEIGH, N C. Embryonic fatty acid metabolism.	P01HD-03015-08 0005 (HDPB) STERN, HERBERT. Program for developmental biology-Molecular mechanisms in meiosis (cattle, human).
R01HD-02899-07 (PC) BROWN, JAMES R, UNIVERSITY OF TEXAS, CLAYTON FDN BIOCHEM INSTITUTE, AUSTIN, TEX. Primary and tertiary structure of proteins (human, chicken, cattle, pigs).	P01HD-03015-08 0006 (HDPR) NYHAN, WILLIAM L. Program for developmental biology-Developmental genetics (human).
R01HD-02920-08 (MET) WOODY, NORMAN C, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Lysine metabolism in infants and children.	P01HD-03015-08 0007 (HDPB) BRODY, STUART. Program for developmental biology-Glucose-6-phosphate dehydrogenase mutants (Neurospora).
R01HD-02982-08 (EXP) ZUCKER, IRVING, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, BERKELEY, CALIF. Behavior, hormones and brain function (rats, hamsters, rabbits).	P01HD-03015-08 0008 (HDPR) EPEL, DAVID. Program for developmental biology-Control of enzyme synthesis (echinoderms).
R01HD-03002-07 (SSS) FREEDMAN, RONALD, POPULATION STUDIES CENTER, 1225 S UNIVERSITY AVE, ANN ARBOR, MICH. Fertility and family planning in Taiwan (human).	P01HD-03015-08 0010 (HDPR) ROTH, THOMAS F. Program for developmental biology-Reproductive biology of oocytes (mosquitoes, chickens).
	P01HD-03015-08 0011 (HDPR) SILVERSTON, ALLEN. Program for developmental biology-Development of neuronal pathways (lobsters).
	P01HD-03015-08 0012 (HDPB) FRIEDKIN, MORRIS. Program for developmental biology-Microtubular protein synthesis (chick embryo).
	P01HD-03015-08 0013 (HDPR) VARON, SILVIO. Program for developmental biology-Dissociated and cultured nerve cells-Growth factors (mice, chickens).
	P01HD-03015-08 0014 (HDPR) FREEMAN, GARY. Program for developmental biology-Growth regulation in individual nerve cells (chick embryo).
	P01HD-03015-08 0015 (HDPR) SATO, GORDON. Program for developmental biology-Development of hormone dependent ovarian tissue culture (rats).
	P01HD-03015-08 0016 (HDPR) JONES, KENNETH. Program for developmental biology-Hormone responsive cell cultures from adipose tissue (rats).
	P01HD-03015-08 0017 (HDPR) MILLS, STANLEY. Program for developmental biology-Tryptophan metabolism and control in higher plants (Euglena, tobacco).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1HD-03015-08 0018 (HDPR) DELMER, DEBORAH. Program for developmental biology—Sucrose synthetase of phaseolus, biochemical adaptation in monkey flower.
- PO1HD-03015-08 0019 (HDPR) SARABHEI, ANAND. Program for developmental biology—Development of haploid wasp cultures (Marmonilla).
- PO1HD-03015-08 0020 (HDPR) LAMFROM, HILDEGARD. Program for developmental biology—Morphogens in retino-ectal connections (toads).
- PO1HD-03015-08 0021 (HDPR) HOLLAND, JOHN J. Program for developmental biology—Control mechanisms in normal and virus infected mammalian cells (human).
- PO1HD-03015-08 0023 (HDPR) SIMON, MELVIN I. Program for developmental biology—Genetics of cellular organelles (E coli).
- PO1HD-03015-08 0024 (HDPR) DUTTON, RICHARD W. Program for developmental biology—Cellular interactions in the immune response.
- PO1HD-03015-08 0025 (HDPR) HAMBURGER, ROBERT N. Program for developmental biology—Developmental pediatric immunology and allergy.
- PO1HD-03015-08 0026 (HDPR) GOULD, JEFFREY. Program for developmental biology—Maternal stress and fetal lung maturity (human).
- PO1HD-03015-08 0028 (HDPR) KEIDEL, WERNER N. Program for developmental biology—Pulmonary oxygen toxicity (rabbits).
- PO1HD-03015-08 0029 (HDPR) KEIDEL, WERNER N. Program for developmental biology—Oxygenator system for total bypass or lung assist.
- PO1HD-03015-08 0031 (HDPR) HARTLINE, DANIEL. Program for developmental biology—Stomatogastric, stellate and cardiac ganglions (squids, lobsters).
- PO1HD-03015-08 0032 (HDPR) WILSON, DORIS. Program for developmental biology—Mitotic activity during early neurogenesis (chickens, mice).
- PO1HD-03015-08 0033 (HDPR) HOWELL, STEPHEN. Program for developmental biology—Genetic control of meiotic events (Chlamydomonas).
- PO1HD-03015-08 0034 (HDPR) CUNNINGHAM, DOUGLAS. Program for developmental biology—Decreased infant platelet activity (rabbits).
- PO1HD-03015-08 0035 (HDPR) COHEN, MORTON. Program for developmental biology—Respiratory distress syndrome indicators in amniotic fluid (human).
- RO1HD-03043-12 (END) NALBANDOV, ANDREW V, UNIVERSITY OF ILLINOIS, 101 ANIMAL GENETICS LAB, URBANA, ILL. Endocrinology of reproduction of domestic animals (rabbit, swine, chicken, rat).
- PO1HD-03110-07 (HDMR) SHEPS, CECIL G, UNIVERSITY OF NORTH CAROLINA, CAMERON AVENUE, CHAPEL HILL, N C. Child development and mental retardation.
- PO1HD-03110-07 0001 (HDMR) COLLIER, ALBERT. Child development and mental retardation—Health research program.
- PO1HD-03110-07 0006 (HDMR) RAMEY, CRAIG. Child development and mental retardation—Infant stimulation program.
- PO1HD-03110-07 0021 (HDMR) MCKINNEY, JAMES D. Child development and mental retardation—School age research.
- PO1HD-03110-07 0022 (HDMR) SCHAEFER, EARL S. Child development and mental retardation—Family research program.
- PO1HD-03110-07 0023 (HDMR) STEDMAN, DONALD J. Child development and mental retardation—Longitudinal study on evaluation of infants.
- PO1HD-03110-07 0024 (HDMR) THURSTONE, THELMA GWINN. Child development and mental retardation—Curriculum development.
- PO1HD-03110-07 0025 (HDMR) SPARLING, JOSEPH J. Child development and mental retardation—Product development or developmental stimulation.
- PO1HD-03110-07 0028 (HDMR) OTUAMA, LORCAN. Child development and mental retardation—Pediatric neurology.
- PO1HD-03110-07 0029 (HDMR) BRESEE, GEORGE. Child development and mental retardation—Neuropharmacology (rats).
- PO1HD-03110-07 0030 (HDMR) BEHAR, LENORE. Child development and mental retardation—Project Early Aid.
- PO1HD-03110-07 0031 (HDMR) PRANGE, ARTHUR. Child development and mental retardation—Psychopharmacology.
- PO1HD-03110-07 0032 (HDMR) KIRKMAN, NEIL. Child development and mental retardation—Clinical and biochemical genetics (human).
- PO1HD-03110-07 0033 (HDMR) SUMMER, GEORGE. Child development and mental retardation—Clinical chemistry.
- PO1HD-03110-07 0034 (HDMR) SCHOPLER, ERIC. Child development and mental retardation—Child psychiatry research.
- PO1HD-03110-07 0035 (HDMR) ELSTON, ROBERT C. Child development and mental retardation—Mapping genes influencing behavioral and mental traits in man.
- PO1HD-03110-07 0036 (HDMR) OBRIST, PAUL H. Child development and mental retardation—Assessing attentional processes from aspects of biological activity.
- PO1HD-03110-07 0037 (HDMR) SCHRODER, STEPHEN R. Child development and mental retardation—Mental retardation.
- PO1HD-03110-07 0038 (HDMR) KNELSON, J. Child development and mental retardation—Growth of lung function in children.
- PO1HD-03110-07 0039 (HDMR) HOLMBERG, M C. Child development and mental retardation—Early childhood education and demonstration.
- PO1HD-03110-07 0048 (HDMR) GORDON, A M. Child development and mental retardation—Psycholinguistics.
- PO1HD-03110-07 0041 (HDMR) GOLDEN, L. Child development and mental retardation—Use of dramatic play in occupational education in primary grades.
- PO1HD-03110-07 0042 (HDMR) STEDMAN, DONALD J. Child development and mental retardation—Developmental disabilities technical assistance system.
- RO1HD-03132-07 (HED) GOLBUS, MITCHELL S, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Biochemistry of early human and mouse development.
- RO1HD-03142-07 (REB) MARSH, JOHN M, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Mechanisms of gonadotropin (human, cattle, rats).
- PO1HD-03144-07 (HDMR) HALL, R VANCE, JUNIPER GARDENS CHILDREN'S PRO, 2021 NORTH THIRD STREET, KANSAS CITY, KANS. Development of culturally deprived children.
- PO1HD-03144-07 0012 (HDMR) RISLEY, TODD R. Development of culturally deprived children—Language, social and preacademic skills in community day-care center.
- PO1HD-03144-07 0013 (HDMR) RISLEY, TODD R. Development of culturally deprived children—Maintaining school performance through continuing community center activities.
- PO1HD-03144-07 0014 (HDMR) RISLEY, TODD R. Development of culturally deprived children—Producing appropriate home behavior through community center intervention.
- PO1HD-03144-07 0015 (HDMR) RISLEY, TODD R. Development of culturally deprived children—Establishing neighborhood citizenship behavior by community-center instigation.
- PO1HD-03144-07 0016 (HDMR) WOLF, MONTROSE M. Development of culturally deprived children—Develop and refine achievement place model.
- PO1HD-03144-07 0017 (HDMR) WOLF, MONTROSE M. Development of culturally deprived children—Behavioral methodology modifying child behavior of urban families in home.
- PO1HD-03144-07 0018 (HDMR) HALL R VANCE. Development of culturally deprived children—Teaching model for training inner-city school personnel and parents.
- PO1HD-03144-07 0019 (HDMR) HALL R VANCE. Development of culturally deprived children—Investigate effects of intensive classroom management procedures.
- PO1HD-03144-07 0020 (HDMR) HALL R VANCE. Development of culturally deprived children—Procedures for exploring methodological research questions.
- PO1HD-03144-07 0021 (HDMR) HALL, R VANCE. Development of culturally deprived children—Development of parent and peer home tutor program procedures.
- PO1HD-03144-07 0022 (HDMR) HALL, R VANCE. Development of culturally deprived children—Training program for doctoral students, professional and paraprofessional.
- RO1HD-03143-07 (HED) THALER, M MICHAEL, UNIVERSITY OF CALIFORNIA, DEPT OF PEDIATRICS, 1421 HSW, SAN FRANCISCO, CALIF. Bilirubin metabolism during the perinatal period (human, guinea pigs).
- RO1HD-03159-07 (REB) BAKER, BURTON L, UNIVERSITY OF MICHIGAN, 4748 MEDICAL SCIENCE II, ANN ARBOR, MICH. Hypophysal response to estrogens and progestins (human, monkeys, cattle, rats).
- RO1HD-03215-07 (DBR) MUTTENLOCHER, JANNELLEN, TEACHERS COLLEGE, COLUMBIA UNIVERSITY, NEW YORK, N Y. Conceptual development and language comprehension.
- RO1HD-03234-06 (DBR) BRYAN, JAMES H, NORTHWESTERN UNIVERSITY, 1859 SHERIDAN ROAD, EVANSTON, ILL. Effects of moral inconsistency upon children.
- RO1HD-03236-06 (PHTA) HRUZA, ZDENEK, NEW YORK UNIV MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Metabolism of lipids and calcium during aging (rats).
- RO1HD-03266-06 (REB) NELSON, LEONARD, DEPARTMENT OF PHYSIOLOGY, MEDICAL COLLEGE OF OHIO, TOLEDO, OHIO. Submicroscopic bases of male infertility (human, mammals, roosters).
- RO1HD-03279-09 (EXP) COLLIER, GEORGE H, RUTGERS-THE STATE UNIVERSITY, 88 COLLEGE AVENUE, NEW BRUNSWICK, N J. Nutritional and biochemical basis of activity (chickens, rodents).
- PO1HD-03298-13 (HDPB) MARGOLIS, GEORGE, DARTMOUTH MEDICAL SCHOOL, DEPT OF PATHOLOGY, HANOVER, N H. Developmental pathology.
- PO1HD-03298-13 0001 (HDPB) HOEFNAGEL, DICK. Developmental pathology—Cytogenetics (human).
- PO1HD-03298-13 0004 (HDPB) MAROOLIS, GEORGE. Developmental pathology—Experimental virology and developmental disease (rats, hamsters, mice).
- PO1HD-03298-13 0012 (HDPB) MARIN-PADILLA, MIGUEL. Developmental pathology—Cerebral cortex development (human, cats, hamsters).
- PO1HD-03298-13 0014 (HDPB) HOEFNAGEL, DICK. Developmental pathology—Animal cytogenetics (mammals).
- PO1HD-03298-13 0015 (HDPB) HOEFNAGEL, DICK. Developmental pathology—Experimental cytogenetics (mice).
- RO1HD-03316-06 (MBY) HEYWOOD, STUART M, UNIVERSITY OF CONNECTICUT, BIOLOGICAL SCI GROUP, STORRS, CONN. Protein synthesis in muscle differentiation (chick embryo).
- RO1HD-03321-08 (GEN) BOWMAN, BARBARA H, UNIVERSITY OF TEXAS, MEDICAL BRANCH, GALVESTON, TEX. Genetic control of the structure of human proteins.
- RO1HD-03326-07 (NTN) KNITTLE, JEROME L, MT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N Y. Effects of early nutrition on growth and development.
- RO1HD-03326-07 0001 (NTN) KNITTLE, JEROME L. Effects of early nutrition on growth and development—Metabolic studies (human).
- RO1HD-03326-07 0002 (NTN) KNITTLE, JEROME L. Effects of early nutrition on growth and development—Genetic studies (human).
- RO1HD-03326-07 0003 (NTN) KNITTLE, JEROME L. Effects of early nutrition on growth and development—Animal studies (rats, mice).
- PO1HD-03352-07 (HDMR) HEBER, RICK F, UNIVERSITY OF WISCONSIN, 2605 MARSH LAKE, MADISON, WIS. Wisconsin center on mental retardation.
- PO1HD-03352-07 0001 (HDMR) ROSS, LEONARD. Wisconsin center on mental retardation—Developmental neuroembryology (rabbits, mice, opossum, marmosets).
- PO1HD-03352-07 0002 (HDMR) BLEIER, RUTH H. Wisconsin center on mental retardation—Experimental neuroembryology (monkeys).
- PO1HD-03352-07 0003 (HDMR) BLEIER, RUTH H. Wisconsin center on mental retardation—Developmental endocrine neuroanatomy (mice, rats).
- PO1HD-03352-07 0004 (HDMR) WELKER, W I. Wisconsin center on mental retardation—Developmental neurophysiology (rodents, cats, racoons).
- PO1HD-03352-07 0005 (HDMR) KAAS, J H. Wisconsin center on mental retardation—Behavioral effects of brain lesions (monkeys, cats).
- PO1HD-03352-07 0006 (HDMR) KAAS, J H. Wisconsin center on mental retardation—Neurophysiological correlates of behavior in awake animals (monkeys).
- PO1HD-03352-07 0007 (HDMR) KARAVOLAS, HARRY J. Wisconsin center on mental retardation—Hypothalamic-hypophysal-gonadal axis (rats, human).
- PO1HD-03352-07 0008 (HDMR) WOLF, RICHARD C. Wisconsin center on mental retardation—Altered postnatal environment (monkeys).
- PO1HD-03352-07 0009 (HDMR) MEYER, ROLAND K. Wisconsin center on mental retardation—Embryo-uterine interrelationship (rats, monkeys).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1HD-03352-07 0010 (HDMR) SIEGEL, FRANK L. Wisconsin center on mental retardation—Brain protein synthesis in hyperaminoacidemias (rats).
- PO1HD-03352-07 0011 (HDMR) GEISON, RONALD L. Wisconsin center on mental retardation—Myelin in hyperaminoacidemias and nutritional deficiencies (mammals).
- PO1HD-03352-07 0012 (HDMR) GERRITSEN, THEO. Wisconsin center on mental retardation—Hypersarcosinemia (mammals).
- PO1HD-03352-07 0013 (HDMR) GERRITSEN, THEO. Wisconsin center on mental retardation—The enzyme defect in hypersarcosinemia (human).
- PO1HD-03352-07 0014 (HDMR) GEISON, RONALD L. Wisconsin center on mental retardation—Lipid analysis of brain subcellular fractions during development.
- PO1HD-03352-07 0015 (HDMR) SIEGEL, FRANK L. Wisconsin center on mental retardation—Calcium binding protein from brain (swine).
- PO1HD-03352-07 0016 (HDMR) GERRITSEN, THEO. Wisconsin center on mental retardation—Inhibition of beta-galactosidase by beta-galactal (rats).
- PO1HD-03352-07 0017 (HDMR) GRAHAM, FRANCES K. Wisconsin center on mental retardation—Infant development (human).
- PO1HD-03352-07 0018 (HDMR) ROSS, LEONARD. Wisconsin center on mental retardation—Conditioning and psychophysiology of normal and retarded children.
- PO1HD-03352-07 0019 (HDMR) MORSE, PHILIP A. Wisconsin center on mental retardation—Language development in the retarded child.
- PO1HD-03352-07 0020 (HDMR) KARLOVICH, RAYMOND S. Wisconsin center on mental retardation—Peripheral auditory system in normals and retardates.
- PO1HD-03352-07 0021 (HDMR) SAXMAN, JOHN H. Wisconsin center on mental retardation—Orofacial region and speech development.
- PO1HD-03352-07 0022 (HDMR) GOLDSTEIN, ROBERT. Wisconsin center on mental retardation—Electroencephalic correlates of language behavior (children).
- PO1HD-03352-07 0023 (HDMR) HIXON, THOMAS J. Wisconsin center on mental retardation—Respiratory physiology during speech production (children).
- PO1HD-03352-07 0024 (HDMR) NETSELL, RONALD W. Wisconsin center on mental retardation—Physiological parameters of phonological development (children).
- PO1HD-03352-07 0025 (HDMR) MILLER, JON F. Wisconsin center on mental retardation—Grammatical comprehension (children).
- PO1HD-03352-07 0026 (HDMR) YODER, DAVID E. Wisconsin center on mental retardation—Questioning behavior and grammatical comprehension (children).
- PO1HD-03352-07 0027 (HDMR) KLUPPEL, DOLORES. Wisconsin center on mental retardation—Infant vocalization.
- PO1HD-03352-07 0028 (HDMR) WOOD, VIVIAN. Wisconsin center on mental retardation—Self-maintenance behavior of adult retardates in community.
- PO1HD-03352-07 0029 (HDMR) ROSE, SHELDON. Wisconsin center on mental retardation—Behavioral approach to group treatment of parents of retardates.
- PO1HD-03352-07 0030 (HDMR) MUELLER, JEANNE. Wisconsin center on mental retardation—Family process and school achievement.
- PO1HD-03352-07 0031 (HDMR) HALLER, ARCHIBALD O JR. Wisconsin center on mental retardation—Effects of nutrition on behavioral competency (human).
- PO1HD-03352-07 0032 (HDMR) GARDNER, WILLIAM I. Wisconsin center on mental retardation—Laboratory of applied behavior analysis and modification.
- PO1HD-03352-07 0033 (HDMR) HEBER, F RICK. Wisconsin center on mental retardation—Milwaukee high-risk population laboratory.
- PO1HD-03352-07 0035 (HDMR) BUTLER, ALFRED J. Wisconsin center on mental retardation—Rehabilitation related to work adjustment and social skills.
- PO1HD-03352-07 0036 (HDMR) SHORES, RICHARD E. Wisconsin center on mental retardation—Educational development of handicapped children and youth.
- PO1HD-03352-07 0037 (HDMR) OPITZ, JOHN M. Wisconsin center on mental retardation—Genetic research (human).
- PO1HD-03352-07 0038 (HDMR) BLEIER, RUTH H. Wisconsin center on mental retardation—Human hemispherectomy.
- PO1HD-03352-07 0039 (HDMR) BRUGGE, JOHN A. Wisconsin center on mental retardation—Auditory cortex (monkeys).
- RO1HD-03384-06 (DBR) SQUELAND, ENMAR R., BROWN UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, PROVIDENCE, R. I. Experimental determinants of exploration in primates (human).
- RO1HD-03402-07 (REB) YANAGIMACHI, RYUZO, UNIVERSITY OF HAWAII, 1951 EAST-WEST ROAD, HONOLULU, HAWAII. In vitro fertilization of mammalian eggs (rodents, rabbits, monkeys).
- RO1HD-03429-06 (SGYS) KLEIN, LE ROY, UNIV HOSPITALS OF CLEVELAND, ROOM 511, WEARN BUILDING, CLEVELAND, OHIO. Collagen biochemistry during bone remodeling and aging (dogs, rats, human).
- RO1HD-03471-10 (REB) POOTE, ROBERT M., 205 MORRISON HALL, CORNELL UNIVERSITY, ITHACA, N. Y. Maturation, metabolism and aging of gametes (rabbits, dogs).
- RO1HD-03472-12 (REB) CHANG, MIN C, WORCESTER FDN FOR EXP BIOLOGY, 222 MAPLE AVENUE, SHREWSBURY, MASS. Physiology of mammalian fertilization (rodents, rabbits).
- RO1HD-03484-08 (CBY) YNTEMA, CHESTER L, STATE UNIV OF NEW YORK, 766 IRVING AVENUE, SYRACUSE, N. Y. Developmental studies on the turtle.
- RO1HD-03484-08 0001 (CBY) YNTEMA, CHESTER L. Developmental studies on the turtle—Embryonic limb bud and skin transplantation.
- RO1HD-03484-08 0002 (CBY) YNTEMA, CHESTER L. Developmental studies on the turtle—Effect of teratogenic agents.
- RO1HD-03484-08 0003 (CBY) YNTEMA, CHESTER L. Developmental studies on the turtle—Removal of embryonic nasal placodes.
- RO1HD-03484-08 0004 (CBY) YNTEMA, CHESTER L. Developmental studies on the turtle—Blood picture.
- RO1HD-03490-20 (CBY) MOOG, FLORENCE, WASHINGTON UNIVERSITY, DEPT OF BIOLOGY, ST LOUIS, MO. Functional differentiation of small intestine (chickens, rats, mice).
- RO1HD-03521-06 (PC) KAPLAN, SAMUEL, UNIVERSITY OF ILLINOIS, 131 BURRILL HALL, URBANA, ILL. TRNA and the differential control of RNA synthesis (bacteria).
- RO1HD-03591-07 (DBR) KORNER, ANNEBLISE F, STANFORD UNIVERSITY, DEPT OF PSYCHIATRY, STANFORD, CALIF. Experimental and innate factors in early development (humans).
- PO1HD-03617-06 (HDAG) EICHORN, DOROTHY H, UNIVERSITY OF CALIFORNIA, 1203 TOLMAN HALL, BERKELEY, CALIF. Intergenerational studies of development and aging (human).
- RO1HD-03619-06 (EXP) LOHER, WERNER J, UNIVERSITY OF CALIFORNIA, 201 WELLMAN HALL, BERKELEY, CALIF. Circadian and hormonal control of sexual behavior (crickets).
- RO1HD-03637-07 (GEN) COMINGS, DAVID B, CITY OF HOPE MEDICAL CENTER, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Aging and DNA—In vitro studies (mice, rats).
- RO1HD-03639-06 (CVB) DE LORIMMER, ALFRED A, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. Pathogenesis and mechanics of pulmonary hypoplasia (sheep).
- RO1HD-03677-07 (DEN) TONNA, EDGAR A, BROOKDALE DENTAL CENTER, 339 EAST 25TH STREET, NEW YORK, N. Y. Skeletal cell and matrix changes during aging (mice).
- PO1HD-03693-06 (HDPB) KASS, EDWARD H, BOSTON CITY HOSPITAL, 774 ALBANY STREET, BOSTON, MASS. Pathogenesis of chronic infections.
- PO1HD-03693-06 0001 (HDPB) KASS, EDWARD H. Pathogenesis of chronic infections—Pathogenesis of pyelonephritis (human, rats).
- PO1HD-03693-06 0002 (HDPB) KASS, EDWARD H. Pathogenesis of chronic infections—Maternal health and epidemiology (human).
- PO1HD-03693-06 0003 (HDPB) KASS, EDWARD H. Pathogenesis of chronic infections—Blood pressure in children and origins of essential hypertension (human).
- PO1HD-03693-06 0004 (HDPB) KASS, EDWARD H. Pathogenesis of chronic infections—Genital mycoplasmas.
- PO1HD-03693-06 0007 (HDPB) KASS, EDWARD H. Pathogenesis of chronic infections—Bacterial models of chronic disease.
- PO1HD-03693-06 0008 (HDPB) KASS, EDWARD H. Pathogenesis of chronic infections—Research in medical care.
- PO1HD-03693-06 0009 (HDPB) KASS, EDWARD, H. Pathogenesis of chronic infections—Advances in treatment of infectious disease (human).
- RO1HD-03719-10 (SSS) HIRSCH, JULES, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N. Y. Metabolic and behavioral studies of human obesity.
- RO1HD-03726-08 (END) RYAN, ROBERT J, MAYO CLINIC & MAYO FDN, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Human pituitary gonadotrophins (also rats).
- R22HD-03741-12 (SSS) MONCKEBERG, FERNANDO, CASILLA 5370, SANTIAGO, CHILE. Infant malnutrition (human, rats, swine).
- RO1HD-03742-06 (DBR) GARRON, DAVID C, RUSH-PRESBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Sex linked traits in Tumors syndrome—Family study.
- RO1HD-03752-05 (REB) BLANDAU, RICHARD J, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Mammalian reproduction.
- RO1HD-03752-05 0001 (REB) GADDUM-ROSSE, P. Mammalian reproduction—Proteolytic activity of sperm acrosomes (cattle, rabbits, rodents, human).
- RO1HD-03752-05 0002 (REB) GADDUM-ROSSE, P. Mammalian reproduction—Interaction of human spermatozoa with human cervical mucus.
- RO1HD-03752-05 0003 (REB) GADDUM-ROSSE, P. Mammalian reproduction—Ciliary activity in mammalian oviducts (rabbits, pigs, monkeys, human).
- RO1HD-03752-05 0004 (REB) SZOLLOSI, DANIEL. Mammalian reproduction—Oocyte maturation, sperm aging and cleavage (rodents, pigs, human).
- RO1HD-02752-05 0005 (REB) ROOSEN-RUNGE, E C. Mammalian reproduction—Development of human testis and spermatogenesis (also sheep, rodents).
- RO1HD-03752-05 0006 (REB) ROOSEN-RUNGE, E C. Mammalian reproduction—'Genital canals' discovered in human embryos.
- RO1HD-03752-05 0007 (REB) ROOSEN-RUNGE, E C. Mammalian reproduction—Fine structure of the developing sex cords (human, rats).
- RO1HD-03752-05 0008 (REB) BLANDAU, RICHARD J. Mammalian reproduction—Behavior of oögonia and oocytes in tissue and organ culture (mice).
- RO1HD-03752-05 0009 (REB) BLANDAU, RICHARD J. Mammalian reproduction—Enzyme activity of the stigmatal area in ovulatory follicles.
- RO1HD-03752-05 0010 (REB) RUMERY, R E. Mammalian reproduction—Cultured oviductal tissue from rabbits.
- RO1HD-03752-05 0011 (REB) RUMERY, R E. Mammalian reproduction—Cultured ovaries implanted in kidneys of ovariectomized mice.
- RO1HD-03752-05 0012 (REB) GADDUM-ROSSE, P. Mammalian reproduction—Transport of materials through the uterovaginal junction (rabbits).
- RO1HD-03752-05 0013 (REB) BLANDAU, RICHARD J. Mammalian reproduction—Gambete transport in the isthmus of the oviduct (monkeys, ungulates, rabbits, guine).
- RO1HD-03752-05 0014 (REB) ROOSEN-RUNGE, E C. Mammalian reproduction—Development of the rebe testis in the ram.
- RO1HD-03752-05 0015 (REB) BRODERSON, S M. Mammalian reproduction—Hormonal influence of catecholamine-containing nerve fibers of the rabbit oviduct.
- RO1HD-03752-05 0016 (REB) BRODERSON, S M. Mammalian reproduction—Localization of trypsin in rabbit corpora lutea.
- RO1HD-03752-05 0017 (REB) KOEHLER, J K. Mammalian reproduction—Immunolabeling studies of frozen-etched spermatozoa (mammals).
- RO1HD-03753-06 (CBY) INFANTE, ANTHONY A, WESLEYAN UNIVERSITY, DEPARTMENT OF BIOLOGY, MIDDLETOWN, CONN. Control of protein synthesis during embryogenesis (sea urchins).
- RO1HD-03778-06 (EXP) SCOTT, JOHN P, BOWLING GREEN STATE UNIVERSITY, DEPT OF PSYCHOLOGY, BOWLING GREEN, OHIO. The development of social motivation (dogs).
- RO1HD-03783-06 (MED) GARTNER, LAWRENCE M, ALBERT EINSTEIN COLL OF MED, PELHAM PARKWAY & EASTCHESTER, BRONX, N. Y. Pathogenesis of neonatal physiologic jaundice.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01HD-03783-06 0001 (HED) GARTNER, LAWRENCE M. Pathogenesis of neonatal physiologic jaundice-Bilirubin synthesis and hepatic transport (monkeys).
- R01HD-03783-06 0002 (HED) GARTNER, LAWRENCE M. Pathogenesis of neonatal physiologic jaundice-Plasma protein binding of bilirubin and kernicterus (monkeys, rats).
- P01HD-03803-06 (HDP) JACOBSON, ANTOINE G, UNIV OF TEXAS AT AUSTIN, DEPARTMENT OF ZOOLOGY, AUSTIN, TEXAS. Control mechanism in reproduction and development.
- P01HD-03808-06 0001 (HDP) JACOBSON, ANTOINE G. Control mechanism in reproduction and development-Organogenesis and embryonic induction (amphibians, *Drosophila*).
- P01HD-03803-06 0002 (HDP) HAMILTON, TERRELL H. Control mechanism in reproduction and development-Estrogen control of transcription and translation (rats).
- P01HD-03803-06 0004 (HDP) PORREST, HUGH S. Control mechanism in reproduction and development-Embryological development in insects (*Octopus*, *Pyrrhocoris*, *Drosophila*).
- P01HD-03803-06 0005 (HDP) HARDESTY, BOYD. Control mechanism in reproduction and development-Hemoglobin synthesis (rabbits).
- P01HD-02803-06 0007 (HDP) MENAKER, MICHAEL. Control mechanism in reproduction and development-Circadian rhythm and reproductive cycles (sparrows, lizards, hamsters).
- P01HD-03803-06 0008 (HDP) BRONSON, FRANK H. Control mechanism in reproduction and development-Social stimuli, hormones and behavior of animals (mice).
- R01HD-03007-06 (HED) LONGO, LAWRENCE D, LOMA LINDA UNIVERSITY, SCHOOL OF MEDICINE, LOMA LINDA, CALIF. Placental exchange of respiratory gases (human, sheep, rabbits).
- R01HD-03820-06 (REB) ORGEM-CRIST, M, VANDERBILT UNIVERSITY, DEPT OF OB & GYN, NASHVILLE, TENN. Male reproductive physiology (rabbits).
- R01HD-03828-03 (DBR) BLOOM, LOIS, COLUMBIA UNIVERSITY, 525 W 120TH STREET, NEW YORK, N. Y. Language development-Structure and function.
- R01HD-03858-05 (EXF) COHEN, LESLIE B, UNIVERSITY OF ILLINOIS, DEPARTMENT OF PSYCHOLOGY, URBANA, ILL. Development of habituation in human infants.
- R01HD-03861-05 (GMB) ORTNER, DONALD J, SMITHSONIAN INSTITUTION, DEPT OF ANTHROPOLOGY, WASHINGTON, D. C. Various aspects of aging in human bone.
- R01HD-03867-05 (TOX) YEARY, ROGER A, VETERINARY PHYSIOL & PHARMACOL, 1900 COFFEY ROAD, COLUMBUS, OHIO. Comparative studies in perinatal toxicology (rats, opossum).
- R01HD-03869-06 (DBR) ROHWER, WILLIAM D, JR, UNIVERSITY OF CALIFORNIA, INST OF HUMAN LEARNING, BERKELEY, CALIF. Elaborative learning process in adolescence.
- R01HD-03891-06 (PHY) LOWRY, OLIVER H, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Quantitative histochemistry of developing organs (rats).
- R01HD-03911-12 (DBR) LIPSITT, LEWIS P, BROWN UNIVERSITY, DEPT OF PSYCHOLOGY, PROVIDENCE, R. I. Sensory discrimination and learning in human infants.
- R01HD-03939-06 (MAB) STITES, DANIEL P, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Human feto-placental-maternal interaction.
- R22HD-03942-07 (SSS) CHAVEZ, ADOLFO, INST NACIONAL DE LA NUTRICION, SAN FERNANDO Y VIAD, TLAPAM, MEXICO 22, D F MEXICO. Nutrition and development of children in rural areas (Mexico).
- R01HD-03959-06 (HED) COBNBLATH, MARVIN, UNIVERSITY OF MARYLAND HOSP, 22 SOUTH GREENE STREET, BALTIMORE, MD. Carbohydrate metabolism in the neonate (human, swine, rats).
- R01HD-03967-09 (GEN) GUTHRIE, ROBERT, BELL FACILITY, P O BOX U, STATION B, BUFFALO, N. Y. Detection and study of inborn errors (human).
- R01HD-02968-14 (REB) KNODL, ERNST, UNIV OF PITTSBURGH SCH OF MED, DEPT OF PHY, PITTSBURGH, PA. Reproductive physiology in the Rhesus monkey.
- R01HD-03972-16 (HED) ROSENFELD, RICHARD E, MOUNT SINAI SCH OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. ABO erythroblastosis (human).
- R01HD-04004-06 (MBY) HAYFLICK, LEONARD, DEPT MEDICAL MICROBIOLOGY, STANFORD UNIVERSITY, STANFORD, CALIF. Programmed senescence in cultured human cells.
- R01HD-04004-06 0001 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-Nuclear and cytoplasmic control of all senescence (WI-38).
- R01HD-04004-06 0002 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-Longevity of WI-38 at-196°C and the effect of cryogenic storage on phase III.
- R01HD-04004-06 0003 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-Assessment of phase III as a function of mean lifespan (rodents, chicken).
- R01HD-04004-06 0004 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-Mit-specified proteins or nucleic acids in phase III cells using virus probes.
- R01HD-04004-06 0005 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-Synthesis of DNA binding proteins as a function of *in vitro* age.
- R01HD-04004-06 0006 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-Proliferation kinetics and pedigree analysis of human diploid cells.
- R01HD-04004-06 0007 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-The organelle hypothesis and protein turnover.
- R01HD-04004-06 0008 (MBY) HAYFLICK, LEONARD. Programmed senescence in cultured human cells-DNA synthesis in young and old confluent cultures of WI-38.
- R01HD-04005-06 (CBY) BLACK, VIRGINIA M, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N. Y. Cytodifferentiation of steroid-secreting cells (guinea pigs).
- R01HD-04007-05 (PC) BEATTIE, DIANA S, MOUNT SINAI SCHOOL OF MEDICINE, 10 EAST 102 ST, NEW YORK, N. Y. Synthesis of mitochondrial protein (rats, yeast).
- R01HD-04015-06 (GEN) BAKER, ROBERT F, UNIV OF SOUTHERN CALIFORNIA, DEPT OF BIOLOGICAL SCIENCES, LOS ANGELES, CALIF. Regulation of gene expression in development (sea urchins, slime molds).
- R01HD-04016-06 (REB) YOCHAM, JEROME M, UNIVERSITY OF KANSAS, HAWORTH HALL, LAWRENCE, KANS. Photoperiod-implantation and parturition (rats, hamsters).
- P01HD-04024-06 (HDMR) O'BRIEN, DONOUGH, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Mental retardation research center.
- P01HD-04024-06 0001 (HDMR) MANES, COLE. Mental retardation research center-Mammalian embryology (rabbits).
- P01HD-04024-06 0002 (HDMR) MARKEY, SANFORD. Mental retardation research center-Organic chemistry (human).
- P01HD-04024-06 0004 (HDMR) CHASE, PETER H. Mental retardation research center-Developmental biochemistry (human, rodents).
- P01HD-04024-06 0005 (HDMR) GOODMAN, STEPHEN I. Mental retardation research center-Biochemical genetics (human).
- P01HD-04024-06 0006 (HDMR) LUBS,HERBERT. Mental retardation research center-Cytogenetics (infants).
- P01HD-04024-06 0007 (HDMR) HAMBRIDGE, MICHAEL. Mental retardation research center-Trace metal metabolism (human).
- P01HD-04024-06 0008 (HDMR) FRANKENBURG, WILLIAM. Mental retardation research center-Developmental pediatrics.
- P01HD-04024-06 0009 (HDMR) O'BRIEN, DONOUGH. Mental retardation research center-Insulin in juvenile diabetes (human).
- R01HD-04028-06 (GMB) VORHERR, HILMUTH W, UNIVERSITY OF NEW MEXICO, 915 STANFORD DR, N E, ALBUQUERQUE, N MEX. Neurohypophyseal hormones in pregnancy and puerperium (rats, rabbits).
- R01HD-04050-04 (HED) JOHNSON, JOHN W, WOMAN'S CLINIC, 601 N BROADWAY, BALTIMORE, MD. Effect of asphyxia on fetal lung fluid (lambs).
- R01HD-04063-06 (END) HAYASHIDA, TETSUO, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF, SAN FRANCISCO, CALIF. Growth hormone and prolactin (humans, animals).
- R01HD-04064-06 (END) PAYNE, ANITA H, UNIVERSITY OF MICHIGAN, MEDICAL CENTER, ANN ARBOR, MICH. Role of steroid sulfates in gonadal tissue (human, sheep, rats).
- R01HD-04072-06 (HED) HAYASHI, TERRY, MAGEE-WOMENS HOSPITAL, FORBES AVENUE & HALKET STREET, PITTSBURGH, PA. Placental and fetal RNA metabolism (rats).
- R01HD-04083-06 (HED) WHITTEN, WESLEY K, JACKSON LABORATORY, BAR HARBOR, MAINE. Mammalian eggs and pheromones (mice).
- R01HD-04110-04 (VR) HEGGIE, ALFRED D, UNIVERSITY HOSPS OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Virus induced disorders of growth and development (mice).
- R01HD-04128-06 (DBR) KOHLBERG, LAWRENCE, HARVARD GRAD SCH OF EDUCATION, 415 LARSEN HALL, APPIAN WAY, CAMBRIDGE, MASS. Intervention and critical periods in moral development (human).
- R01HD-04130-05 (HBM) BASCH, ROSS S, NEW YORK UNIV MEDICAL CTR, 550 FIRST AVENUE, NEW YORK, N. Y. Pathophysiology of fetal hemoglobin synthesis (human).
- R01HD-04134-06 (GEN) GERMAN, JAMES L, 3D, NEW YORK BLOOD CENTER, 310 EAST 67TH STREET, NEW YORK, N. Y. Cytological studies in human genetics.
- R01HD-04135-06 (DBR) OWENS, WILLIAM A, UNIVERSITY OF GEORGIA, GRADUATE STUDIES RESEARCH CTR, ATHENS, GA. Developmental-integrative investigation (human).
- P01HD-04147-06 (HDMR) MOSER, HUGO W, EUNICE KENNEDY SHRIVER CTR, 200 TRAPELO ROAD, WALTHAM, MASS. Research in mental retardation.
- P01HD-04147-06 0001 (HDMR) SIDMAN, MURRAY. Research in mental retardation-Behavioral program (human).
- P01HD-04147-06 0002 (HDMR) KISHIMOTO, YASUO. Research in mental retardation-Change of nonhydroxy fatty acids to 2-hydroxy fatty acids by brain enzyme (rats).
- P01HD-04147-06 0003 (HDMR) KANFER, JULIAN N. Research in mental retardation-Structure of cerebrin phosphate (yeast).
- P01HD-04147-06 0004 (HDMR) KANFER, JULIAN N. Research in mental retardation-Phospholipid metabolism in muscular dystrophy (mice, human).
- P01HD-04147-06 0005 (HDMR) MCCLUER, ROBERT H. Research in mental retardation-Gangliosides of neurological mutant mice.
- P01HD-04147-06 0006 (HDMR) KANFER, JULIAN N. Research in mental retardation-Isolation of beta glucosidases (human).
- P01HD-04147-06 0007 (HDMR) KANFER, JULIAN N. Research in mental retardation-Sialomucopolysaccharides in inborn errors of metabolism (human).
- P01HD-04147-06 0008 (HDMR) MOSER, HUGO W. Research in mental retardation-Neuroendocrinology.
- P01HD-04147-06 0009 (HDMR) MOSER, HUGO W. Research in mental retardation-Metabolic research unit.
- P01HD-04147-06 0010 (HDMR) KEMPER, THOMAS L. Research in mental retardation-Neuropathology (human, rats, monkeys).
- P01HD-04147-06 0011 (HDMR) CAVINESS, VERNIE S. Research in mental retardation-Morphogenic anomalies (human, mice, rats).
- P01HD-04147-06 0012 (HDMR) ADAMS, RAYMOND D. Research in mental retardation-Golgi studies of human developmental diseases and experimental epilepsy in monkey.
- P01HD-04147-06 0013 (HDMR) ASTROM, KARL ERIK. Research in mental retardation-Synaptic pathology (human, rats, monkeys).
- P01HD-04147-06 0014 (HDMR) RAYNES, NORMA V. Research in mental retardation-Sociological research unit.
- P01HD-04147-06 0015 (HDMR) MCCLUER, ROBERT H. Research in mental retardation-Origin of synaptosomal gangliosides (mice).
- P01HD-04147-06 0016 (HDMR) MCCLUER, ROBERT H. Research in mental retardation-Effect of colchicine on axonal transport in brain (mice).
- P01HD-04147-06 0017 (HDMR) MCCLUER, ROBERT H. Research in mental retardation-Synthesis and properties of ganglioside inner esters (mice).
- P01HD-04147-06 0018 (HDMR) JUNGALWALA, PIROZE. Research in mental retardation-Metabolic stability of myelin (rats).
- P01HD-04147-06 0019 (HDMR) MOSER, HUGO W. Research in mental retardation-Farber's disease (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
PO1HD-04147-06 0020 (HDMR) MOSER, HUGO W. Research in mental retardation-1-metachromatic leukodystrophy associate with multiple sulfatase deficiency (human).	RO1HD-04367-13 (CBY) NEMER, MARTIN J, INST FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. Regulation of RNA and protein synthesis in embryogenesis (sea urchins).
PO1HD-04147-06 0021 (HDMR) MOSER, HUGO W. Research in mental retardation-Polizaeus-Merzbacher disease (human).	RO1HD-04375-04 (REB) PIACSEK, BELA E, MARQUETTE UNIVERSITY, 530 N 15TH STREET, MILWAUKEE, WIS. Role of light in CNS-pituitary-gonadal control (rats).
PO1HD-04147-06 0022 (HDMR) MOSER, HUGO W. Research in mental retardation-Therapeutic trial in a patient with Sanfilippo B syndrome (human).	RO1HD-04379-06 (EXP) CAPALDI, EGINO J, PURDUE UNIVERSITY, DEPT OF PSYCHOLOGY, LAFAYETTE, IND. Sequential processes in instrumental learning (rats).
RO1HD-04152-06 (HED) WYNN, RALPH M, 840 S WOOD STREET, CHICAGO, ILL. Ultrastructure of the placental junctional zone (human, primates).	RO1HD-04380-04 (HED) GLUCK, LOUIS, 5076 BASIC SCIENCE BLDG, P O BOX 109, LA JOLLA, CALIF. Biochemical development of surface activity of lung (human, mammals).
RO1HD-04154-06 (SGYB) ROWE, MARC I, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Shock in infancy-Metabolic and hemodynamic aspects (swine, monkeys).	RO1HD-04382-04 (BIO) ADELMAN, RICHARD C, FELLS RESEARCH INSTITUTE, 3420 N BROAD ST, PHILADELPHIA, PA. Effects of senescence on enzyme regulation (rats).
RO1HD-04164-05 (CBY) DANIEL, CHARLES W, UNIVERSITY OF CALIFORNIA, AT SANTA CRUZ, SANTA CRUZ, CALIF. Aging of mammary epithelium (mice).	RO1HD-04392-04 (END) ROMANOFF, LOUISE P, WORCESTER FNDM FOR EXP BIOLOGY, 222 MAPLE AVENUE, SHREWSBURY, MASS. Effects of aging on steroid metabolism in man.
RO1HD-04173-10 (END) GANDY, MORTENSE M, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Androgen metabolism (human).	RO1HD-04394-03 (HED) POWER, GORDON G, LOMA LINDA UNIVERSITY, SCHOOL OF MEDICINE, LOMA LINDA, CALIF. Regulation of the placental circulation (human, primates, rabbits, sheep).
RO1HD-04182-06 (REB) PAUERSTEIN, CARL J, UNIVERSITY OF TEX HLTH SCI CTR, 7703 FLOYD CURL DR, SAN ANTONIO, TEX. Adrenergic pharmacology of ovum transport (rabbits).	RO1HD-04411-03 (END) ROBERTS, JOHN S, CASE WESTERN RESERVE UNIV, 2109 ADELBERT ROAD, CLEVELAND, OHIO. Humoral factors regulation oxytocin release (sheep).
RO1HD-04183-04 (VR) LANG, DAVID J, DUKE UNIVERSITY MEDICAL CENTER, BOX 2920, DURHAM, N C. Persistent congenital and neonatal virus infections (human).	RO1HD-04430-05 (MBC) RIGGS, ARTHUR D, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Repressor proteins in E coli and eucaryotic cells.
RO1HD-04189-05 (REB) HOWE, GEORGE R, PAGE LABORATORY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Physiology of the mammalian oviduct.	RO1HD-04434-04 (HED) BALIS, JOHN U, LOYOLA UNIV STRITCH SCH OF MED, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL. Ultrastructure and quantitation of surfactant (human, monkeys, rabbits, E. coli).
RO1HD-04212-06 (EXP) FANTZ, ROBERT L, CASE WESTERN RESERVE UNIVERSIT, PSYCHOLOGY DEPT, PD LAB, CLEVELAND, OHIO. Perception in premature, term and defective infants (human).	RO1HD-04445-05 (TOX) MULLER-EBERHARD, URSULA, SCRIPPS CLINIC & RESEARCH FDM, DEPARTMENT OF BIOCHEMISTRY, LA JOLLA, CALIF. Perinatal detoxification mechanisms (rabbits, rats, monkeys).
RO1HD-04214-05 (MBC) ARMSTRONG, ROBERT L, UNIVERSITY OF MICHIGAN, 4326 MEDICAL SCIENCE I, ANN ARBOR, MICH. Control of transcription during spore germination (bacteria).	RO1HD-04466-05 (REB) FRENCH, FRANK S, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Development of male reproductive function (humans, primates, rodents).
RO1HD-04229-06 (MRY) SAITH, I DENNIS, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Cytoplasmic regulation in early cell differentiation (frogs).	RO1HD-04467-04 (REB) FEDER, HARVEY H, RUTGERS UNIVERSITY, 101 WARREN STREET, NEWARK, N J. Hormonal regulation of behavior (guinea pigs, doves).
RO1HD-04248-06 (CBY) BENNETT, MICHAEL V, ALBERT EINSTEIN COLL OF MEDIC, 1410 PELHAM PARKWAY SOUTH, BRONX, N Y. Function of electrical coupling in embryonic tissues (marine fish, crayfish).	RO1HD-04482-05 (EXP) ERICKSON, CARL J, DUKE UNIVERSITY, DEPT OF PSYCHOLOGY, DURHAM, N C. Endocrine factors in social behavior (doves).
RO1HD-04252-06 (GEN) MADLER, HENRY L, CHILDREN'S MEMORIAL HOSPITAL, 2300 CHILDREN'S PLAZA, CHICAGO, ILL. Tissue culture in hereditary disorders (human).	RO1HD-04434-04 (EXP) BARFIELD, RONALD J, LIVINGSTON COLLEGE, RUTGERS UNIVERSITY, NEW BRUNSWICK, N J. Endocrine and neural bases of behavior (rats).
RO1HD-04270-06 (HED) FISHER, DELBERT A, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, B-5, TORRANCE, CALIF. Thyroid function in the fetus and newborn (sheep, human).	PO1HD-04485-04 (HDGD) KOSTYO, JACK L, DEPT OF PHYSIOLOGY, EMORY UNIVERSITY, ATLANTA, GA. Growth hormone structure-function relationships.
RO1HD-04274-05 (HED) MANES, COLE, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Growth regulation in the preimplantation mammal (rabbits).	PO1HD-04485-04 0001 (HDGD) WILHELM, ALFRED E. Growth hormone structure-function relationships-Production of derivatives (swine, human).
RO1HD-04275-04 (GEN) MI, MING-PI, UNIVERSITY OF HAWAII, BIOMEDICAL SCIS BUILDING, HONOLULU, HAWAII. Genetic studies with record linkage (human).	PO1HD-04485-04 0002 (HDGD) KOSTYO, JACK L. Growth hormone structure-function relationships-Biological action derivatives (human, swine, rats).
RO1HD-04287-06 (PHRA) YAFFE, SUMNER J, CHILDREN'S HOSPITAL OF BUFFALO, 219 BRYANT STREET, BUFFALO, N Y. Regulation of drug metabolism during development (human, monkeys).	PO1HD-04485-04 0003 (HDGD) RUDMAN, DANIEL. Growth hormone structure-function relationships-Activity of growth hormone derivatives in man (swine).
RO1HD-04290-04 (REB) HAMILTON, DAVID W, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Structure and function of epididymis and vas deferens (rodents).	RO1HD-04488-11 (PC) MABRY, TOM J, UNIVERSITY OF TEXAS, DEPARTMENT OF BOTANY, AUSTIN, TEXAS. Biochemical systematic investigations.
PO1HD-04299-05 (HDGD) KAGAN, JEROME, HARVARD UNIVERSITY, 1510 WILIAM JAMES HALL, CAMBRIDGE, MASS. Intervention and mental health of infants.	PO1HD-04510-06 (HDMR) HAYWOOD, H CARL, GEORGE PEABODY COLLEGE, BOX 40, NASHVILLE, TENN. Center for research in human development.
RO1HD-04312-06 (REB) NIENL, JIMMY D, EMORY UNIVERSITY, DEPT OF PHYSIOLOGY, ATLANTA, GA. Physiologic control of prolactin secretion (rats).	PO1HD-04510-06 0001 (HDMR) BAUMEISTER, ALFRED A. Center for research in human development-Institute on mental retardation and intellectual development.
RO1HD-04320-06 (EXP) SHEPP, BRYAN E, DEPT OF PSYCHOLOGY, BROWN UNIVERSITY, PROVIDENCE, R I. Developmental studies in learning and attention (children).	PO1HD-04510-06 0002 (HDMR) GRAY, SUSAN W. Center for research in human development-Demonstration and research center for early education.
RO1HD-04331-04 (MET) KIHARA, HAYATO, PACIFIC STATE HOSPITAL, 3530 WEST POMONA BLVD, POMONA, CALIF. Mental retardation-Defect in Hurler syndrome (human, dogs, rats).	PO1HD-04518-06 0003 (HDMR) NEWBROUGH, JOHN R. Center for research in human development-Center for community studies.
PO1HD-04335-06 (HDMR) CHAPMAN, LORING F, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Brain-behavior relationships in mental retardation.	PO1HD-04510-06 0004 (HDMR) DENNIS, FLOYD. Center for research in human development-Institute of social deviancy and youth.
PO1HD-04335-06 0001 (HDMR) CHAPMAN, LORING F. Brain-behavior relationships in mental retardation-EEG and evoked response studies of retarded subjects (human).	PO1HD-04510-06 0005 (HDMR) HAYWOOD, H CARL. Center for research in human development-Early development assistance program.
PO1HD-04335-06 0002 (HDMR) CHAMPMAN, LORING F. Brain-behavior relationships in mental retardation-Neonatal and follow-up studies of high-risk human neonates.	PO1HD-04510-06 0006 (HDMR) HAYWOOD, H CARL. Center for research in human development-Research alliance with HWCR institute in Jerusalem (human).
PO1HD-04335-06 0003 (HDMR) CHAPMAN, LORING F. Brain-behavior relationships in mental retardation-Basic neurophysiological studies (cats).	PO1HD-04518-06 0007 (HDMR) CHASEY, WILLIAM. Center for research in human development-Motor development and motor learning in the retarded.
PO1HD-04335-06 0004 (HDMR) CHAPMAN, LORING F. Brain-behavior relationships in mental retardation-Emotional attachment, separation and reunion (monkeys).	PO1HD-04518-06 0008 (HDMR) DENNIS, FLOYD. Center for research in human development-County agents for children.
RO1HD-04343-04 (EXP) PETRINOVICH, LEWIS F, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOLOGY, RIVERSIDE, CALIF. Species-Meaningful studies of habitation (sparrows).	PO1HD-04510-06 0009 (HDMR) DENNIS, FLOYD. Center for research in human development-Home two incorporated.
RO1HD-04354-22 (END) SZEGO, CLARA M, DEPARTMENT OF BIOLOGY, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Mechanisms of hormone action (rats).	PO1HD-04510-06 0010 (HDMR) FRIEDMAN, STEVEN. Center for research in human development-Infant behavior laboratory (human).
RO1HD-04355-09 (HED) HARE, WILLIAM C, SCHOOL OF VETERINARY MEDICINE, 3800 SPRUCE STREET, PHILADELPHIA, PA. Chromosome studies of mammalian embryos (cats, dogs, cattle, horses, pigs).	PO1HD-04510-06 0011 (HDMR) WILCOXON, HARDY. Center for research in human development-Psychobiology laboratory (quail, monkeys).
RO1HD-04358-15 (END) GROSVENOR, CLARK E, UNIVERSITY OF TENNESSEE, 894 UNION AVENUE, MEMPHIS, TENN. Neural and hormonal regulation of lactation (rats).	PO1HD-04510-06 0012 (HDMR) HOGGE, JAMES. Center for research in human development-Computer center.
RO1HD-04364-12 (END) GELLER, EDWARD, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHIATRY, LOS ANGELES, CALIF. A developmental study of the stress response (rats).	PO1HD-04518-06 0013 (HDMR) HAYWOOD, H CARL. Center for research in human development-Educational research-Basic.
RO1HD-04365-13 (END) SOLOMON, SAMUEL, ROYAL VICTORIA HOSPITAL, ROOM 26, MEDICAL 2, MONTREAL 112, P Q, CANADA. Formation and metabolism of steroids in pregnancy (human, animals).	PO1HD-04510-06 0014 (HDMR) HAYWOOD, H CARL. Center for research in human development-Behavioral ecology-Community problems (human).
	RO1HD-04522-05 (EXP) ADLER, NORMAN T, UNIVERSITY OF PENNSYLVANIA, 3815 WALNUT STREET, PHILADELPHIA, PA. Biopsychology of reproduction (rats).
	RO1HD-04524-06 (DBR) BOTWINICK, JACK, WASHINGTON UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, ST LOUIS, MO. Psychophysiological aspects of aging (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HD-04526-05 (MET) DANCIS, JOSEPH, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Inborn errors of metabolism (human).
- RO1HD-04532-05 (MET) HERZFELD, ANNEMARIE, NEW ENGLAND DEACONESS HOSP, 185 PILGRIM ROAD, BOSTON, MASS. Developmental enzyme formation in mammalian tissues (rats, chickens).
- RO1HD-04543-04 (CBY) MILLER, RICHARD L, DEPARTMENT OF BIOLOGY, TEMPLE UNIVERSITY, PHILADELPHIA, PA. Pre-fertilization phenomena in hydroids.
- RO1HD-04569-04 (GEN) SCHMICKEL, ROY D, K2015 HOLDEN PERINATAL BLDG, UNIV OF MICHIGAN MED CTR, ANN ARBOR, MICH. Isolation and characterization of human ribosomal DNA (human).
- RO1HD-04575-05 (NEUA) MEAD, JAMES F, UNIV OF CALIFORNIA, CENTER FOR HEALTH SCIENCES, LOS ANGELES, CALIF. Glial and myelin lipids in developing and mature brain (rats, cattle).
- PO1HD-04583-06 (HDMR) DORFMAN, ALBERT, WYLER CHILDREN'S HOSPITAL, 5825 S MARYLAND AVENUE, CHICAGO, ILL. Mental retardation research center.
- PO1HD-04583-06 0001 (HDMR) STOOLMILLER, ALLEN C. Mental retardation research center-Biosynthesis of mucopolysaccharides by neuroblastoma and glial cells in vitro.
- PO1HD-04583-06 0002 (HDMR) STOOLMILLER, ALLEN C. Mental retardation research center-Structure of hyaluronic acid.
- PO1HD-04583-06 0003 (HDMR) STOOLMILLER, ALLEN C. Mental retardation research center-Biosynthesis of chondroitin sulfate proteoglycan (chick embryo).
- PO1HD-04583-06 0004 (HDMR) RODEN, LENNART. Mental retardation research center-Structure of cartilage proteoglycan (cattle).
- PO1HD-04583-06 0005 (HDMR) NEVO, ZVI. Mental retardation research center-Effect of chondromucoprotein on chondromucoprotein biosynthesis (chick embryo).
- PO1HD-04583-06 0006 (HDMR) MATALON, REUBEN. Mental retardation research center-L-iduronidase (human).
- PO1HD-04583-06 0007 (HDMR) MATALON, REUBEN. Mental retardation research center-Lysosomal enzymes in fibroblasts (human).
- PO1HD-04583-06 0009 (HDMR) MATALON, REUBEN. Mental retardation research center-Prenatal diagnosis (human).
- PO1HD-04583-06 0010 (HDMR) MATHEWS, MARTIN B. Mental retardation research center-Proteoglycans of extracellular connective tissue matrices.
- PO1HD-04583-06 0011 (HDMR) CIFONELLI, J. A. Mental retardation research center-Biochemistry of mucopolysaccharides (human, rabbits).
- PO1HD-04583-06 0012 (HDMR) THORP, FRANK K. Mental retardation research center-Chondrogenesis (human, chick embryo).
- PO1HD-04583-06 0013 (HDMR) DAWSON, GLYN. Mental retardation research center-New sphingolipidoses (human).
- PO1HD-04583-06 0015 (HDMR) DAWSON, GLYN. Mental retardation research center-Glycosphingolipid metabolism in tissue culture (human).
- PO1HD-04583-06 0016 (HDMR) DAWSON, GLYN. Mental retardation research center-Biochemistry of sphingolipidoses (human, mice, rats).
- PO1HD-04583-06 0018 (HDMR) MOORE, ROBERT Y. Mental retardation research center-Neuroendocrine control of the circadian rhythm (rats).
- PO1HD-04583-06 0019 (HDMR) MOORE, ROBERT Y. Mental retardation research center-Organization of monoamine neuron systems (rats).
- PO1HD-04583-06 0020 (HDMR) MOORE, ROBERT Y. Mental retardation research center-Indoleamine metabolism and function in the pineal (rats).
- PO1HD-04583-06 0021 (HDMR) LENN, N. J. Mental retardation research center-Pathology of late infantile lipidosis (human).
- PO1HD-04583-06 0022 (HDMR) LENN, N. J. Mental retardation research center-Synaptic architecture in the brain (rats).
- PO1HD-04583-06 0023 (HDMR) KRISTEN, W. H. Mental retardation research center-Cell transformation by murine sarcoma virus (human, mice).
- PO1HD-04583-06 0024 (HDMR) LEVITT, DANIEL. Mental retardation research center-The mechanism of differentiation (chick embryo).
- RO1HD-04592-06 (REB) WILLIAMS-ASHMAN, HOWARD G, 950 EAST 59TH STREET, CHICAGO, ILL. Biochemistry of the male genital tract (rodents).
- RO1HD-04598-05 (DBR) GELMAN, ROCHEL S, 3813-15 WALNUT STREET, PHILADELPHIA, PA, PHILADELPHIA, PA. Cognitive development.
- RO1HD-04602-05 (SSS) DAVIS, KINGSLEY, UNIVERSITY OF CALIFORNIA, 2234 PIEDMONT AVENUE, BERKELEY, CALIF. Goals and conditions of population control (human).
- RO1HD-04608-06 (PC) NYHAN, WILLIAM L, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Amino acid interrelations in human metabolic disease.
- PO1HD-04612-06 (HDMR) TARJAN, GEORGE, NEUROPSYCHIATRIC INSTITUTE, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. Mental retardation research center.
- PO1HD-04612-06 0001 (HDMR) ZAMENHOF, STEPHEN. Mental retardation research center-Nutritional factors in deficient brain development.
- PO1HD-04612-06 0002 (HDMR) DE VELLIS, JEAN. Mental retardation research center-Effect of hormones on brain cell differentiation.
- PO1HD-04612-06 0003 (HDMR) SCHAIN, RICHARD J. Mental retardation research center-Factors affecting postnatal brain development.
- PO1HD-04612-06 0004 (HDMR) PHILIPPART, MICHEL. Mental retardation research center-Lipid distribution and metabolism in demyelating conditions.
- PO1HD-04612-06 0005 (HDMR) SPARKES, ROBERT S. Mental retardation research center-Genetics.
- PO1HD-04612-06 0006 (HDMR) BUCHWALD, NATHANIEL A. Mental retardation research center-Neural correlates of sensation and learning in brain (monkeys, cats).
- PO1HD-04612-06 0088 (HDMR) BROWN, W JANN. Mental retardation research center-Ultrastructure, biochemistry underlying nervous system teratogenesis (rats, cats).
- PO1HD-04612-06 0010 (HDMR) BASHORE, RICHARD. Mental retardation research center-Obstetrical problems relating to fetal jeopardy.
- PO1HD-04612-06 0013 (HDMR) JERISON, HARRY. Mental retardation research center-Human and animal vigilance.
- PO1HD-04612-06 0014 (HDMR) CEDERBAUM, STEPHEN. Mental retardation research center-Inborn errors of metabolism of amino acids and sugars.
- PO1HD-04612-06 0017 (HDMR) EDMOND, JOHN. Mental retardation research center-Molecular aspects of enzyme deficiency diseases (human).
- PO1HD-04612-06 0018 (HDMR) ROSE, GUENTER. Mental retardation research center-Development of visually evoked responses and associated behaviors (cats).
- PO1HD-04612-06 0019 (HDMR) TANGUAY, PETER. Mental retardation research center-Maturation in normal and retarded children.
- PO1HD-04612-06 0020 (HDMR) VILLABLANCA, JAIME. Mental retardation research center-Activating and deactivating mechanisms of the rostral brain (mammals).
- PO1HD-04612-06 0021 (HDMR) WOODY, CHARLES. Mental retardation research center-Electrophysiology of learned motor performance (human).
- PO1HD-04612-06 0022 (HDMR) BUCHWALD, JENNIFER. Mental retardation research center-Neural response plasticity during learning (human, cats).
- PO1HD-04612-06 0023 (HDMR) BUCHWALD, NATHANIEL A. Mental retardation research center-Assessment of behavioral performance in infant animals (cats).
- PO1HD-04612-06 0024 (HDMR) EDGERTON, ROBERT. Mental retardation research center-Adaptive behavior of mentally retarded in residential settings.
- PO1HD-04612-06 0025 (HDMR) EDOERTON, ROBERT. Mental retardation research center-Development of cognitive competence in ethnic populations.
- PO1HD-04612-06 0026 (HDMR) FORNESS, STEVEN. Mental retardation research center-Research in special education.
- RO1HD-04617-06 (MBY) RUTTER, WILLIAM J, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYS, SAN FRANCISCO, CALIF. Macromolecular modification on ontogeny and phylogeny (animals, microbes).
- RO1HD-04629-04 (AFY) ROCHE, ALEXANDER F, THE FELS RESEARCH INSTITUTE, 800 LIVERMORE STREET, YELLOW SPRINGS, OHIO. Assessment of skeletal maturity (human).
- RO1HD-04634-04 (DBR) FEUERSTEIN, REUVEN, 6 KARMON STREET, JERUSALEM, ISRAEL. Cognitive functions of retarded early adolescents.
- PO1HD-04665-04 (HDMR) LABBE, ROBERT F, FIRCREST RESEARCH LABORATORIES, 15230-15TH AVENUE NORTHEAST, SEATTLE, WASH. Metabolic abnormalities in mental retardation.
- PO1HD-04665-04 0001 (HDMR) LABBE, ROBERT F. Metabolic abnormalities in mental retardation-Interrelationships of iron, porphyrin and energy metabolism (mice, human).
- PO1HD-04665-04 0004 (HDMR) SCOTT, RONALD C. Metabolic abnormalities in mental retardation-Genetic aspects of amino acid metabolism (human).
- PO1HD-04665-04 0006 (HDMR) WENNBERG, RICHARD P. Metabolic abnormalities in mental retardation-Pathogenesis and prevention of kernicterus (human, mammals nonhuman).
- PO1HD-04665-04 0008 (HDMR) LAGUNOFF, DAVID. Metabolic abnormalities in mental retardation-Pathology and metabolic aspects of the mucopolysaccharidoses (rats, human).
- RO1HD-04667-05 (COM) WRIGHT, BARBARA E, BOSTON BIOMEDICAL RES INSTITUTE, 20 STAMFORD STREET, BOSTON, MASS. Computer analysis of differentiation (fungi).
- RO1HD-04669-04 (CBY) HILFER, S ROBERT, TEMPLE UNIVERSITY, DEPT OF BIOLOGY, PHILADELPHIA, PA. Muscle differentiation in embryonic chick limb buds.
- RO1HD-04670-04 (END) HASCHEMEYER, AUDREY E, HUNTER COLLEGE BOX 89, 695 PARK AVENUE, NEW YORK, N. Y. Molecular basis of thyroid action in development (rats, fish).
- RO1HD-04675-03 (AFY) FELDT, ROBERT H, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Nature of growth in the non-pubescent child.
- RO1HD-04683-05 (END) GOLDMAN, ALLEN S, CHILDRENS HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Fetal sexual differentiation (rats).
- RO1HD-04488-05 (EXP) WARD, INGEBORG L, VILLANOVA UNIVERSITY, DEPT OF PSYCHOLOGY, VILLANOVA, PA. Effects of prepubertal stress on adult sexual behavior (rats).
- RO1HD-04699-05 (MBY) KLEVEZCZ, ROBERT R, CITY OF HOPE MEDICAL CENTER, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Temporal order and aging in cultured somatic cells (rats, hamster).
- RO1HD-04701-05 (MBY) KAFATOS, POTIS C, BIOLOGICAL LABORATORIES, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Developmental biology (moths).
- RO1HD-04702-04 (CBY) ROSENBERG, MURRAY D, DEPT OF GENETICS & CELL BIO, UNIVERSITY OF MINNESOTA, ST PAUL, MINN. Membrane changes during oogenesis and fertilization (chick embryo, mice).
- RO1HD-04708-05 (CBY) WESSELLS, NORMAN K, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Mechanisms of organ development (mice, rats, tadpoles, birds).
- RO1HD-04722-02 (MBY) ROBERTSON, ANTHONY D, DEPT OF THEORETICAL BIOLOGY, 939 E 57TH STREET, CHICAGO, ILL. Control of development of cellular slime molds.
- RO1HD-04753-05 (EDC) PAPPENBERGER, RALPH S, JR, 2151 BERKELEY WAY, BERKELEY, CALIF. Factors in youth predisposing to chronic diseases.
- RO1HD-04756-04 (CMS) BUTTERFIELD, EARL C, 2601 OXFORD ROAD, LAWRENCE, KANS. Infant auditory perception and learning (human).
- PO1HD-04807-05 (HDMR) GERALD, PARK S, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Genetic and cytogenetic studies of mental retardation.
- PO1HD-04807-05 0001 (HDMR) GERALD, PARK S. Genetic and cytogenetic studies of mental retardation-Use of cytogenetic variants for the assignment of genes to human chromosomes.
- PO1HD-04807-05 0002 (HDMR) DAVIDSON, RICHARD L. Genetic and cytogenetic studies of mental retardation-Regulation of gene expression in mammalian cells (human, rodents).
- PO1HD-04807-05 0003 (HDMR) DAVIDSON, RICHARD L. Genetic and cytogenetic studies of mental retardation-Uptake and expression of bacterial, viral DNA by mammalian cells (human, rodents).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01HD-04807-05 0004 (HDMR) BRUNS, GARL A. Genetic and cytogenetic studies of mental retardation—Enzyme and organelle expression in somatic cell hybrids (human, rodent, bacteria).	P01HD-05027-05 0007 (HDGD) HARTUP, WILLARD W. Developmental psychology—Peer influence.
P01HD-04807-05 0005 (HDMR) LATT, SAMUEL A. Genetic and cytogenetic studies of mental retardation—Purification and characterization of human lysosomal hydrolases.	P01HD-05027-05 0003 (HDGD) YONAS, ALBERT. Developmental psychology—Attention-perception.
P01HD-04807-05 0006 (HDMR) LATT, SAMUEL A. Genetic and cytogenetic studies of mental retardation—Microtubule proteins of the mitotic spindle (human, mice).	P01HD-05027-05 0009 (HDGD) MASTERS, JOHN. Developmental psychology—Social comparison processes.
P01HD-04817-05 (PHRA) DBACHMAN, DANIEL B, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Nerve-muscle interactions in embryonic development (chick embryo, rats, newts).	P01HD-05027-05 0010 (HDGD) MOORE, SHIRLEY. Developmental psychology—Teaching techniques.
P01HD-04839-05 (PHRA) JUCHAU, MONT R, UNIVERSITY OF WASHINGTON, DEPT OF PHARMACOLOGY, SEATTLE, WASH. Metabolism of drug substrates by human placenta.	P01HD-05027-05 0012 (HDGD) CHARLESWORTH, WILLIAM. Developmental psychology—Test using behavior in children and infants.
P01HD-04839-05 0001 (PHBA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Analysis of placental cytochrome P-450.	P01HD-05027-05 0013 (HDGD) SROUFE, ALAN. Developmental psychology—Development of attention.
P01HD-04839-05 0002 (PHBA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Substrate specificity of placental drug metabolizing systems.	P01HD-05027-05 0015 (HDGD) PICK, ANNE. Developmental psychology—Practical aspects of perceptual development.
P01HD-04839-05 0003 (PHBA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Biotransformation of polycyclic aromatic hydrocarbons in placenta.	P01HD-05027-05 0016 (HDGD) PICK, HERBERT L. Developmental psychology—Development of complex perceptual motor systems.
P01HD-04839-05 0004 (PHRA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—N-hydroxylation and N-oxidation reactions (rats, monkeys).	P01HD-05027-05 0017 (HDGD) SALAPATEK, PHILIP H. Developmental psychology—Infant perception.
P01HD-04839-05 0005 (PHBA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Biochemical analyses of human placental particulate fractions.	P01HD-05027-05 0018 (HDGD) SROUFE, ALAN. Developmental psychology—Infant social development.
P01HD-04839-05 0006 (PHBA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Deamination reactions (human).	R01HD-05034-03 (GMB) RICKERS, HENRY, 1300 UNIVERSITY AVENUE, MADISON, WIS. Metabolism and protein-binding of radiolabeled vitamin D3 (human, monkeys, rats).
P01HD-04839-05 0007 (PHRA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Reciprocity between AHH and cholesterol side-chain oxidase (human).	P01HD-05065-04 (HDAG) DE DUVE, CHRISTIAN R, ROCKEFELLER UNIVERSITY, YORK AVE & EAST 66TH ST, NEW YORK, N. Y. Cellular aging and degeneration.
P01HD-04839-05 0008 (PHRA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Cellular localization of placental AHH (human).	P01HD-05065-04 0001 (HDAG) POOLE, BRIAN. Cellular aging and degeneration—Cellular mechanisms of protein breakdown and turnover (rats).
P01HD-04839-05 0009 (PHRA) JUCHAU, MONT R. Metabolism of drug substrates by human placenta—Mechanisms of oxidation-reduction reactions in tissue-free models (human).	P01HD-05065-04 0002 (HDAG) MULLER, MUKLOS. Cellular aging and degeneration—Subcellular events in arterial disease (rabbits).
P01HD-04861-05 (GEN) MILLMAN, WILLIAM J, UNIVERSITY OF PENNSYLVANIA, DEPT OF MEDICAL GENETICS, PHILADELPHIA, PA. Incidence of fetal errors of galactose metabolism (human).	P01HD-05065-04 0003 (HDAG) BOWERS, WILLIAM. Cellular aging and degeneration—Subcellular events in cellular immunity (rats).
P01HD-04863-05 (NTN) STROBEL, DAVID A, UNIVERSITY OF MONTANA, DEPARTMENT OF PSYCHOLOGY, MISSOULA, MONT. Social development after malnutrition in infancy (monkeys).	P01HD-05077-05 (HDPR) VANDEWIELE, RAYMOND L, COLUMBIA UNIVERSITY, 630 W 168 ST, NEW YORK, N. Y. Reproductive biochemistry and medicine.
P01HD-04469-04 (EXP) KRUEGER, LESTER E, CITY UNIV OF NEW YORK, 138TH ST & CONVENT AVE, NEW YORK, N. Y. Higher level units in perception (human).	P01HD-05077-05 0001 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Development of new analytical methods.
P01HD-04370-05 (MCHB) MARKEY, SANFORD P, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Organic metabolites related to mental retardation (human).	P01HD-05077-05 0002 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Plasma levels of ovarian steroids in Macaca (Rhesus).
P01HD-04872-04 (HDAG) BIERMAN, EDWIN L, VETERANS ADMINISTRATION HOSP, 4435 BEACON AVENUE SOUTH, SEATTLE, WASH. Metabolism and aging.	P01HD-05077-05 0003 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Computer simulation of human menstruation, gonadal hormones and contraceptives.
P01HD-04872-04 0001 (HDAG) RORNSTEIN, PAUL. Metabolism and aging—Interchain covalent crosslinks in skin collagen (guinea pigs).	P01HD-05077-05 0004 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Androgens during menstrual cycle (human).
P01HD-04872-04 0002 (HDAG) FRY, LOUIS R. Metabolism and aging—Periarticular connective tissue (monkeys).	P01HD-05077-05 0005 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Pre- and postovulation plasma levels of steroids and gonadotropins (human).
P01HD-04872-04 0003 (HDAG) BAYLINK, DAVID J. Metabolism and aging—Bone quality in osteoporosis (human, rats).	P01HD-05077-05 0006 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Negative feedback of steroids upon FSH and LH secretion (human, monkeys).
P01HD-04872-04 0005 (HDAG) ENSINCK, JOHN W. Metabolism and aging—Glucose homeostasis in aging humans.	P01HD-05077-05 0007 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Positive feedback of estrogens and progesterone on LH (human, monkeys).
P01HD-04872-04 0006 (HDAG) GLOMSET, JOHN. Metabolism and aging—Plasma lipoprotein metabolism (baboons).	P01HD-05077-05 0008 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Intraovarian control of ovary response to gonadotropins (monkeys).
P01HD-04872-04 0007 (HDAG) PARKER, FRANK. Metabolism and aging—Free cholesterol in atherosclerosis and xanthoma (rabbits, Macaca mulatta).	P01HD-05077-05 0009 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Human gonadotropin and chorionic growth hormone prolactin.
P01HD-04872-04 0008 (HDAG) BIERMAN, EDWIN L. Metabolism and aging—Atherosclerosis and lipoprotein disorders in adults.	P01HD-05077-05 0010 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Antibodies to steroids (rats, monkeys).
P01HD-04872-04 0009 (HDAG) ENSINCK, JOHN W. Metabolism and aging—Insulin synthesis in isolated islets (rats).	P01HD-05077-05 0011 (HDPR) VANDEWIELE, RAYMOND L. Reproductive biochemistry and medicine—Hypothalamic control of ovarian function in Rhesus monkey (and human).
P01HD-04899-04 (PC) DAHMUS, MICHAEL E, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYSICS, DAVIS, CALIF. Biochemical aspects of gene regulation (rats, bacteria).	P01HD-05077-05 0012 (HDPR) ZIMMERING, PAULA. Reproductive biochemistry and medicine—Receptor proteins binding estradiol and progesterone (sheep).
P01HD-04906-05 (MBV) HEDRICK, JERRY L, UNIVERSITY OF CALIFORNIA, DEPT OF BIOCHEM & BIOPHYSICS, DAVIS, CALIF. Molecular approach to fertilization (frogs).	P01HD-05077-05 0013 (HDPR) HEMBREE, WYLIE. Reproductive biochemistry and medicine—Tritium labeled polypeptide and protein hormones (rats, human).
P01HD-04945-04 (END) OSAWA, YOSHIO, MEDICAL FDN OF BUFFALO, 73 HIGH STREET, BUFFALO, N. Y. Human development and estrogen biosynthesis (human, rats, dogs).	P01HD-05077-05 0014 (HDPR) HOCHBERG, RICHARD. Reproductive biochemistry and medicine—Steroidal intermediates in conversion of cholesterol to pregnenolone (cattle).
P01HD-04946-03 (HED) NOVAK, MILAN, UNIVERSITY OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Adipose tissue metabolism in abnormal newborns (human).	P01HD-05077-05 0015 (HDPR) HOCHBERG, RICHARD. Reproductive biochemistry and medicine—Sulfated intermediates in formation of steroid hormones.
P01HD-04962-04 (HED) ENDERS, ALLEN C, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Mechanisms of implantation of the blastocyst (rats, rabbits).	P01HD-05077-05 0016 (HDPR) LIEBERMAN, SEYMOR. Reproductive biochemistry and medicine—Steroid hormones biochemistry (human, mammals, non-human).
P01HD-05001-05 (HED) REYNOLDS, JOHN W, UNIVERSITY OF MINNESOTA, DEPT OF PEDIATRICS, MINNEAPOLIS, MINN. Adrenocortical function in abnormal newborn infants (human).	P01HD-05077-05 0019 (HDPR) HEMBREE, WYLIE. Reproductive biochemistry and medicine—Male infertility (human).
P01HD-05027-05 (HDGD) PICK, HERBERT L, JR, UNIVERSITY OF MINNESOTA, INSTITUTE OF CHILD DEVELOPMENT, MINNEAPOLIS, MINN. Developmental psychology.	R01HD-05079-04 (SSS) LUBS, HERBERT A, UNIV OF COLORADO MED CTR, 4200 EAST 9TH AVENUE, DENVER, COLO. Clinical and chromosomal variation in 11,000 children.
P01HD-05027-05 0002 (HDGD) FLAVELL, JOHN H. Developmental psychology—Studying and memorization strategies.	R01HD-05080-04 (SSS) DAVIDSON, RONALD G, CHILDREN'S HOSP OF BUFFALO, 219 BRYANT STREET, BUFFALO, N. Y. Clinical and chromosomal variation in 1900 children.
P01HD-05027-05 0003 (HDGD) FLAVELL, JOHN H. Developmental psychology—Role taking and communication skills.	R01HD-05084-04 (SSS) SUMANITT, ROBERT L, UNIVERSITY OF TENNESSEE, 860 MADISON AVENUE, MEMPHIS, TENN. Clinical and chromosomal variation in 1300 children.
P01HD-05027-05 0004 (HDGD) CHARLESWORTH, WILLIAM. Developmental psychology—Piagetian studies of facial expression.	R01HD-05085-08 (END) HAGERMAN, DWAIN D, UNIV COLO MED CENTER, 4200 EAST NINTH AVENUE, DENVER, COLO. Biosynthesis and action of female hormones (human).
P01HD-05027-05 0005 (HDGD) HARTUP, WILLARD W. Developmental psychology—Mother-infant interaction.	R01HD-05084-04 (DBR) PARKER, RONALD K, CUNY GRADUATE CENTER, 33 WEST 42ND STREET, NEW YORK, N. Y. Learning and cognitive development in children.
	R01HD-05090-04 (REB) YOCHIM, JEROME M, UNIVERSITY OF KANSAS, DEPT PHYSIOLOGY & CELL BIOLOGY, LAWRENCE, KANS. Endometrial preparation for implantation (rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HD-05093-12 (PHY) MORRILL, GENE A, EASTCHESTER RD & MORRIS PK AVE, NEW YORK, N. Y. Ion transport during development of *Rana pipiens* eggs.
- RO1HD-05105-13 (REB) PAULSEN, C ALVIN, USPHS HOSPITAL, P O BOX 3145, SEATTLE, WASH. Pituitary-gonadal interrelationship (human).
- RO1HD-05111-04 (SSS) MESCHIA, GIACOMO, UNIVERSITY OF COLORADO, MEDICAL CENTER, DENVER, COLO. Production and excretion of urea in prenatal life (sheep).
- RO1HD-05114-03 (REB) MALVEN, PAUL V, PURDUE UNIVERSITY, DEPT OF ANIMAL SCIENCES, LAFAYETTE, IND. CNS control of gonadotrophin and prolactin secretion (sheep, rats).
- PO1HD-05124-04 (HDMR) SIDMAN, MURRAY, E K SHRIVER CTR FOR MENT RET, 200 TRAPELO ROAD, WALTHAM, MASS. Mental retardation-Behavioral and neurologic aspects.
- PO1HD-05124-04 0001 (HDMR) SIDMAN, MURRAY. Mental retardation-Behavioral and neurologic aspects-Reading comprehension and cross-modal transfer.
- PO1HD-05124-04 0002 (HDMR) STODDARD, LAWRENCE T. Mental retardation-Behavioral and neurologic aspects-Total learning environment for autistic children.
- PO1HD-05124-04 0003 (HDMR) ROSENBERGER, PETER B. Mental retardation-Behavioral and neurologic aspects-Behavioral techniques for studying neurological disease (mammals).
- PO1HD-05124-04 0004 (HDMR) RAY, BARBARA A. Mental retardation-Behavioral and neurologic aspects-Discrimination of sameness in a complex display.
- PO1HD-05124-04 0005 (HDMR) TOUCHETTE, PAUL E. Mental retardation-Behavioral and neurologic aspects-Measurement of stimulus-control transfer.
- PO1HD-05124-04 0006 (HDMR) SIDMAN, MURRAY. Mental retardation-Behavioral and neurologic aspects-Classification of behavioral deficits.
- PO1HD-05124-04 0007 (HDMR) MACKAY, HARRY A. Mental retardation-Behavioral and neurologic aspects-Serial learning and recall in retardates.
- PO1HD-05124-04 0008 (HDMR) REDD, WILLIAM H. Mental retardation-Behavioral and neurologic aspects-Stimulus control of social behavior.
- PO1HD-05124-04 0009 (HDMR) SIDMAN, MURRAY. Mental retardation-Behavioral and neurologic aspects-Special rehabilitation research unit.
- RO1HD-05136-04 (SSS) ROSEN, ROBERT, CENTER FOR THEORETICAL BIOLOGY, 4248 RIDGE LEA ROAD, AMHERST, N. Y. Generation of pattern and form in biological systems.
- RO1HD-05151-04 (REB) MC CANN, SAMUEL M, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEXAS. Neural control of gonadotropin secretion (sheep, rats, monkeys, human).
- RO1HD-05154-03 (REB) DAVIES, JACK, VANDERBILT MEDICAL CENTER, DEPARTMENT OF ANATOMY, NASHVILLE, TENN. Endometrial-blastocyst interrelationships (rabbits).
- RO1HD-05168-04 (CMS) PODOR, JERRY A, DEPT OF PSYCHOLOGY, MASS INST OF TECHNOLOGY, CAMBRIDGE, MASS. Processes in understanding and producing sentences (children).
- RO1HD-05196-04 (GEN) SHOWS, THOMAS B, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. An approach to human development with cell hybrids (human, mice).
- RO1HD-05204-04 (NTN) JOHNSTON, PATRICIA V, UNIVERSITY OF ILLINOIS, 205 BURNSIDES RES LAB, URBANA, ILL. Malnutrition and the nervous system (rats).
- PO1HD-05221-05 (HDMR) WARKANY, JOSEF, CHILDREN'S HOSPITAL, ELLAND & BETHESDA AVENUE, CINCINNATI, OHIO. Center grant in mental retardation.
- PO1HD-05221-05 0015 (HDMR) ZIMMERMAN, E F. Center grant in mental retardation-Developmental microheterogeneity of mouse alpha fetoprotein.
- PO1HD-05221-05 0016 (HDMR) LESSARD J. Center grant in mental retardation-Contractile proteins and neurite formation (mice).
- PO1HD-05221-05 0017 (HDMR) GANSCHOW, R. Center grant in mental retardation-Androgen inducibility of kidney beta-glucuronidase (mice).
- PO1HD-05221-05 0027 (HDMR) CLARK, I C. Center grant in mental retardation-Neurophysiology.
- PO1HD-05221-05 0028 (HDMR) MC LAURIN, R L. Center grant in mental retardation-Neurosurgical research.
- PO1HD-05221-05 0029 (HDMR) WILSON J G. Center grant in mental retardation-Pathologic embryology (rats, monkeys).
- PO1HD-05221-05 0030 (HDMR) SHELburne S A. Center grant in mental retardation-Pediatric neurology (monkeys).
- PO1HD-05221-05 0031 (HDMR) WARKANY, J. Center grant in mental retardation-Teratology and genetics (mice, hamsters, rats, primates).
- PO1HD-05221-05 0032 (HDMR) PRATT, EDWARD L. Center grant in mental retardation-Division of inborn errors of metabolism (rats).
- PO1HD-05221-05 0033 (HDMR) GANSCHOW, R. Center grant in mental retardation-Genetic control of androgen inducibility of mouse kidney beta-glucuronidase.
- RO1HD-05255-03 (POP) KANTNER, JOHN F, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Pre-adult fertility and family formation (young women).
- RO1HD-05259-03 (GEN) ERICKSON, ROBERT P, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, SAN FRANCISCO, CALIF. Spermatozoa and the T-locus product (mice).
- RO1HD-05263-04 (REB) ZINKINAM, WILLIAM H, JOHNS HOPKINS HOSPITAL, DEPT OF PEDIATRICS, BALTIMORE, MD. Sperm-specific enzymes and male fertility (human, pigeons, mice).
- RO1HD-05268-04 (SSS) NAM, CHARLES B, BENJAMIN FRANKLIN STATION, P O BOX 14182, WASHINGTON, D C. Support and expansion of the Journal Demography.
- RO1HD-05272-03 (CBY) SILVA, GEORGE D, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF. Ultrastructure of multivesicular cells (mice).
- RO1HD-05276-04 (REB) BARDIN, CLYDE W, PENNSYLVANIA STATE UNIVERSITY, MILTON S HERSHEY MEDICAL CTR, HERSHEY, PA. Androgen in reproduction-Production and actions (human, mice).
- RO1HD-05277-04 (REB) IRVIN, J LOGAN, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N. C. Changes in nuclear proteins in spermatogenesis (cattle, rats).
- RO1HD-05285-03 (MET) COPENHAVER, JOHN M, UNIV OF NEBRASKA, 602 SOUTH 45TH STREET, OMAHA, NEBRASKA. Experimental phenylthiourea (rats).
- RO1HD-05289-04 (CBY) SUBTELNY, STEPHEN, BIOLOGY DEPARTMENT, RICE UNIVERSITY, HOUSTON, TEX. Germ cell migration and differentiation (amphibians).
- RO1HD-05291-04 (MED) JEFFREY, JOHN J, WASHINGTON UNIV SCHOOL OF MED, 4960 AUDUBON AVE, ST LOUIS, MO. Hormonal regulation of an enzyme system in the uterus (rats).
- RO1HD-05297-04 (CBY) ROTH, STEPHEN A, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Morphogenesis in embryonic and pathological systems (chick embryo, mice).
- RO1HD-05309-04 (GEN) BELL, EUGENIE, MASS INST TECHNOLOGY, CAMBRIDGE, MASS, CAMBRIDGE, MASS. Gene transfer during differentiation and aging (human).
- RO1HD-05316-04 (REB) CALVIN, HAROLD I, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Proteins of mammalian sperm/atozoa (rats, rabbits, human).
- PO1HD-05318-04 (HDMR) MIDDLEY, A REES, JR, UNIVERSITY OF MICHIGAN, DEPT OF PATHOLOGY, ANN ARBOR, MICH. Reproductive endocrinology.
- PO1HD-05318-04 0001 (HDMR) NISWENDER, OORDON D. Reproductive endocrinology-Assay development (human, rats, monkeys).
- PO1HD-05318-04 0002 (HDMR) GAY, VERNON L. Reproductive endocrinology-Studies in rats.
- PO1HD-05318-04 0003 (HDMR) JAFFE, ROBERT B. Reproductive endocrinology-Studies in humans.
- PO1HD-05318-04 0004 (HDMR) MIDDLEY, A REES JR. Reproductive endocrinology-Immunomorphology of hormone-target tissue interaction (rats, primates, human).
- PO1HD-05318-04 0005 (HDMR) MENON, K M J. Reproductive endocrinology-Biochemistry of hormone-target tissue interaction (rats, primates, human).
- RO1HD-05331-04 (BXP) EMAS, PETER D, BROWN UNIVERSITY, PROVIDENCE, R I, PROVIDENCE, R I. Developmental studies of speech perception.
- RO1HD-05333-04 (GMA) COWGER, MARYLYN L, STATE UNIVERSITY OF NEW YORK, 1400 WASHINGTON AVENUE, ALBANY, N. Y. Mechanism of bilirubin toxicity (cats, cattle).
- RO1HD-05341-04 (NEUA) PUESCHEL, SIGOPHED M, CHILDRENS HOSPITAL MED CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Down's syndrome-5-hydroxy tryptophan study (children).
- PO1HD-05342-04 (HDMR) GERRITSEN, THEO, UNIV OF WISCONSIN MED CTR, 1300 UNIVERSITY AVENUE, MADISON, WIS. Mental retardation and brain development.
- PO1HD-05342-04 0001 (HDMR) SIEGEL, FRANK L. Mental retardation and brain development-Brain protein synthesis in hyperaminoacidemias (rats).
- PO1HD-05342-04 0002 (HDMR) GEISON, RONALD L. Mental retardation and brain development-Hyperaminoacidemia nutrition and myelin deposition (rats).
- PO1HD-05342-04 0003 (HDMR) GERRITSEN, THEO. Mental retardation and brain development-Hypersarcosinemia and sarcosine metabolism (rats).
- PO1HD-05342-04 0004 (HDMR) GERRITSEN, THEO. Mental retardation and brain development-Amino acid studies in growing rat.
- PO1HD-05342-04 0010 (HDMR) CURET, LUIS B. Mental retardation and brain development-Influence of increased maternal amino acid blood levels on fetal lambs.
- PO1HD-05342-04 0011 (HDMR) GERRITSEN, THEO. Mental retardation and brain development-Amino aminopathies and genetic diseases (human, rats).
- PO1HD-05342-04 0013 (HDMR) GEISON, RONALD L. Mental retardation and brain development-Lipid analysis of brain subcellular fractions during development (rats).
- PO1HD-05342-04 0014 (HDMR) SIEGEL, FRANK. Mental retardation and brain development-Isolation of a calcium-binding protein from brain (swine, goats, electric fish).
- PO1HD-05342-04 0018 (HDMR) O'BRIEN, JOHN. Mental retardation and brain development-Lipid and mucopolysaccharide storage diseases, animal model (rat).
- RO1HD-05354-04 (DBR) MILLER, LOUISE B, UNIVERSITY OF LOUISVILLE, DEPARTMENT OF PSYCHOLOGY, LOUISVILLE, KY. Four preschool programs-Dimension and effects-II.
- RO1HD-05357-07 (PC) WRIGHT, BARBARA E, BOSTON BIOMEDICAL RES INST, 20 STANFORD STREET, BOSTON, MASS. Physiological control of differentiation (fungi, ameba).
- RO1HD-05361-10 (SSS) LEDLEY, ROBERT S, GEORGETOWN UNIV MED CTR, 3900 RESERVOIR RD NW, WASHINGTON, D C. Analysis of chromosome karyograms (human, mice).
- RO1HD-05362-04 (MED) SOYKA, LESTER F, 901 SOUTH WOLCOTT AVENUE, CHICAGO, ILL. Ontogenetic studies of drug metabolism (human, rats, monkeys).
- RO1HD-05384-03 (NTN) CHYTL, FRANK, VANDERBILT UNIV, SCHOOL OF MEDICINE, NASHVILLE, TENN. Nutritional aspects of purine metabolism (rats).
- RO1HD-05387-04 (MED) COLAS, ANTONIO E, UNIV OF WISCONSIN MED SCH, 1300 UNIVERSITY AVENUE, MADISON, WIS. Comparative study on the feto-placental unit (sheep).
- RO1HD-05394-04 (MED) ZAMENHOF, STEPHEN, UCLA SCHOOL OF MEDICINE, DEPT MEDICAL MICRO & IMMUN, LOS ANGELES, CALIF. Amino acids and prenatal brain development (rats).
- RO1HD-05395-04 (CBY) WESTON, JAMES A, UNIVERSITY OF OREGON, DEPT OF BIOLOGY, EUGENE, OREG. Migration and differentiation of neural crest cells (mice, chick embryo).
- RO1HD-05414-03 (REB) KARAYOLAS, HARRY J, UNIVERSITY OF WISCONSIN, 1117 W JOHNSON STREET, MADISON, WIS. Steroid biochemistry of the hypothalamic-ovarian axis (rats, human).
- RO1HD-05427-03 (SSS) EASTERLIN, RICHARD A, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ECONOMICS, PHILADELPHIA, PA. Rural fertility decline in Northern America (US, Canada).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HD-05443-03 (HED) BARRETT, CYNTHIA T, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, LOS ANGELES, CALIF. Circulatory and cellular studies in runted fetal sheep.
- RO1HD-05445-04 (GEN) MIGEON, BARBARA R, JOHNS HOPKINS HOSPITAL, DEPARTMENT OF PEDIATRICS, BALTIMORE, MD. Genetic studies of human somatic cells.
- RO1HD-05445-04 0009 (GEN) MIGEON, BARBARA R. Genetic studies of human somatic cells-X-chromosomal inactivation (human).
- RO1HD-05445-04 0010 (GEN) MIGEON, BARBARA R. Genetic studies of human somatic cells-Somatic cell hybridization (human, mice).
- RO1HD-05445-04 0011 (GEN) MIGEON, BARBARA R. Genetic studies of human somatic cells-Contact-feeding and mutagenesis (human).
- RO1HD-05505-03 (MBV) SOLURSH, MICHAEL, UNIVERSITY OF IOWA, DEPARTMENT OF ZOOLOGY, IOWA CITY, IOWA. Control of extracellular matrix synthesis (chick embryo).
- RO1HD-05506-04 (MRY) LOEB, JOHN N, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Hormonal regulation of growth and differentiation (rats, human).
- RO1HD-05507-08 (PC) FERGUSON, JAMES J, JR, UNIVERSITY OF PENNSYLVANIA, 358 ANATOMY-CHEMISTRY BLDG, PHILADELPHIA, PA. Biochemistry of sperm and reproductive tissues (human, cattle).
- PO1HD-05523-04 (HDAG) RUSSELL, ELIZABETH S, JACKSON LABORATORY, BAR HARBOR, MAINE. Analysis of genetic effects on aging.
- PO1HD-05523-04 0001 (HDAG) MYERS, DAVID D. Analysis of genetic effects on aging-Longevity of inbred mice.
- PO1HD-05523-04 0002 (HDAG) SPROTT, RICHARD L. Analysis of genetic effects on aging-Age dependent behavior changes (mice).
- PO1HD-05523-04 0003 (HDAG) ELEFTHERIOU, BASIL E. Analysis of genetic effects on aging-Neurochemical, neuroendocrine and neurophysiological status of aging mice.
- PO1HD-05523-04 0004 (HDAG) HARRISON, DAVID E. Analysis of genetic effects on aging-Aging changes in functional capacity of hematopoietic stem cells (mice).
- PO1HD-05523-04 0005 (HDAG) MURPHY, EDWIN D. Analysis of genetic effects on aging-Life span shortening effects of mutant alleles at the W locus (mice).
- PO1HD-05540-03 (HDMR) EYMAN, RICHARD K, PACIFIC STATE HOSPITAL, P O BOX 100, POMONA, CALIF. Development of the mentally retarded.
- PO1HD-05540-03 0001 (HDMR) MILLER, CURTIS R. Development of the mentally retarded-Population movement.
- PO1HD-05540-03 0002 (HDMR) EYMAN, RICHARD K. Development of the mentally retarded-Effects of residential settings on development.
- PO1HD-05540-03 0003 (HDMR) EDGERTON, ROBERT B. Development of the mentally retarded-Quality of life in residential facilities.
- PO1HD-05540-03 0004 (HDMR) NIHIRA, K. Development of the mentally retarded-Measurement of adaptive behavior.
- PO1HD-05540-03 0005 (HDMR) SILVERSTEIN, ARTHUR B. Development of the mentally retarded-Environmental effects on intellectual development.
- RO1HD-05571-03 (EXP) JOPPE, JUSTIN M, DEPT OF PSYCHOLOGY, UNIV OF VERMONT, BURLINGTON, VT. Prenatal stress-Hormonal and genotypical factors (rats).
- RO1HD-05572-03 (GMB) LINDHEIMER, MARSHALL D, UNIV OF CHICAGO, 5841 SOUTH MARYLAND AVE, CHICAGO, ILL. Renal functional correlates of normal pregnancy (rats).
- RO1HD-05585-03 (POP) LEWIS, ROBERT A, COLUMBIA UNIVERSITY, DEPARTMENT OF GEOGRAPHY, NEW YORK, N Y. Studies in population change (USSR).
- RO1HD-05602-04 (CBY) PRICE, CARL A, RUTGERS UNIVERSITY, DEPT OF BIOCHEMISTRY & MICROBI, NEW BRUNSWICK, N J. Control of protein synthesis in developing organelles (protozoa, yeasts).
- PO1HD-05615-04 (HDMR) BROWN, W JANN, SCHOOL OF MEDICINE, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Developmental biology in mental retardation.
- PO1HD-05615-04 0001 (HDMR) ZAMENHOF, STEPHEN. Developmental biology in mental retardation-Prenatal nutrition in deficient brain development (rats, rabbits, human).
- PO1HD-05615-04 0002 (HDMR) DEVELLIS, JEAN. Developmental biology in mental retardation-Hormones and functional maturation, brain differentiation (rats, mice, human).
- PO1HD-05615-04 0003 (HDMR) BROWN, W JANN. Developmental biology in mental retardation-Ultrastructure and biochemistry of nervous teratogenesis (rats, rabbits, human).
- PO1HD-05615-04 0004 (HDMR) BROWN, W JANN. Developmental biology in mental retardation-Hypoxia and hypothyroidism in neuropil differentiation (mice).
- PO1HD-05615-04 0005 (HDMR) SCHAIN, RICHARD J. Developmental biology in mental retardation-Postnatal brain development (rabbits).
- PO1HD-05615-04 0006 (HDMR) BASHORE, RICHARD A. Developmental biology in mental retardation-Maternal and fetal risk factors (human, sheep).
- PO1HD-05615-04 0007 (HDMR) HOLZMAN, GERALD B. Developmental biology in mental retardation-Neonatal pancreatic responses to insulin secretagogues (human).
- PO1HD-05615-04 0008 (HDMR) PHILIPPART, MICHEL. Developmental biology in mental retardation-Lipid distribution and metabolism in demyelinating conditions (rats, human).
- PO1HD-05615-04 0009 (HDMR) SPARKES, ROBERT S. Developmental biology in mental retardation-Chromosome abnormalities and gene linkage (human).
- PO1HD-05615-04 0010 (HDMR) LUTHARDT, FREDERICK. Developmental biology in mental retardation-Developmental genetics (human, mice).
- RO1HD-05622-04 (REB) HOFFMANN, JOAN C, 1951 EAST-WEST ROAD, 1960 EAST-WEST ROAD. Factors controlling the timing of LH release (rats, rabbits).
- RO1HD-05624-04 (GMA) RIMOIN, DAVID L, HARBOR GENERAL HOSPITAL, 1000 W CARSON ST, TORRANCE, CALIF. Genetics and pathogenesis of the chondrodystrophies (human, mice, rabbits, dogs).
- RO1HD-05637-03 (EXP) ROWELL, THELMA E, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, BERKELEY, CALIF. Reproductive cycles and social behavior of primates (monkeys).
- RO1HD-05641-12 (NTN) CARPENTER, MARY P, OKLAHOMA MEDICAL RES FDN, 825 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Metabolism of the testis in vitamin E deficiency (rats).
- RO1HD-05653-10 (EXP) ROSS, LEONARD E, UNIVERSITY OF WISCONSIN, DEPARTMENT OF PSYCHOLOGY, MADISON, WIS. Classical conditioning in retardates and normals (human).
- RO1HD-05657-08 (PC) BEZKOROVANY, ANATOLY, RUSH-PRESBY-ST LUKE'S MED, 1753 W CONGRESS PKWY, CHICAGO, ILL. Proteins of human and bovine colostrum and milk (bacteria).
- RO1HD-05659-04 (HED) BARRON, DONALD H, UNIVERSITY OF FLORIDA, DEPT OF OBS & GYNECOLOGY, GAINESVILLE, FLA. Fetal growth and development.
- RO1HD-05659-04 0001 (HED) BARRON, DONALD H. Fetal growth and development-Oxygen consumption of the uterus and fetal growth rate (sheep).
- RO1HD-05659-04 0002 (HED) BARRON, DONALD H. Fetal growth and development-Role of placental hormones in regulation of uterine blood flow (swine).
- RO1HD-05659-04 0003 (HED) BARRON, DONALD H. Fetal growth and development-Growth indexes (sheep).
- RO1HD-05665-03 (DBR) OSTFELD, ADRIAN M, YALE UNIV SCHOOL OF MEDICINE, 60 COLLEGE STREET, NEW HAVEN, CONN. Relocation in old age-Health and psychosocial impact.
- RO1HD-05668-03 (NTN) SOBEL, EDNA H, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Effect of overcrowding malnutrition on growth (rats).
- PO1HD-05671-03 (HDPR) SEGAL, SHELDON J, POPULATION COUNCIL, 245 PARK AVENUE, NEW YORK, N Y. Center for population research.
- PO1HD-05671-03 0001 (HDPR) ATKINSON, LINDA. Center for population research-Corpus luteum function in Rhesus monkeys.
- PO1HD-05671-03 0003 (HDPR) CHANG, C. Center for population research-Mechanisms of contraceptive action of copper wire in rats.
- PO1HD-05671-03 0004 (HDPR) CUADROS, ALVARO. Center for population research-Antifertility effect of intrauterine devices (human).
- PO1HD-05671-03 0006 (HDPR) GUPTA, G N. Center for population research-Contraceptive silastic devices (rats, monkeys).
- PO1HD-05671-03 0007 (HDPR) HERTZ, ROY. Center for population research-Screening of compounds for antifertility activity (mammals).
- PO1HD-05671-03 0008 (HDPR) JACKANICZ, THEODORE M. Center for population research-Depot concepts of administering steroid contraceptives (human).
- PO1HD-05671-03 0010 (HDPR) LAURENCE, KENNETH A. Center for population research-Immunological aspects of reproduction (rats).
- PO1HD-05671-03 0011 (HDPR) MIKAMO, KAZUYA. Center for population research-Intrafollicular overripeness in rats.
- PO1HD-05671-03 0013 (HDPR) SUNDARAM, KALYAN. Center for population research-Radiomunoassay of steroid hormones (rodents, primates).
- PO1HD-05671-03 0014 (HDPR) TIETZE, CHRISTOPHER. Center for population research-Evaluation of contraceptives and epidemiological aspects of abortion (human).
- PO1HD-05671-03 0034 (HDPR) SEGAL, SHELDON J. Center for population research-Specific and heterospecific transfer of hormone action by mRNA.
- PO1HD-05671-03 0035 (HDPR) EINER-JENSEN, N. Center for population research-Dopa, methyl dopa and CBS 145 on pregnancy, progesterone and prolactin (rats).
- PO1HD-05671-03 0036 (HDPR) TSONG, Y Y. Center for population research-Molecular events associated with steroid action (rats).
- PO1HD-05671-03 0037 (HDPR) KOIDE, SAMUEL S. Center for population research-Biology of gonadotropin from human placenta (rats).
- PO1HD-05671-03 0038 (HDPR) KOIDE, SAMUEL S. Center for population research-Regulation of DNA synthesis (rats).
- PO1HD-05671-03 0039 (HDPR) ROBERTSON, J. Center for population research-Diffusion of steroids from silastic devices (rats).
- PO1HD-05671-03 0048 (HDPR) LANMAN, J T. Center for population research-Factors governing pregnancy maintenance and termination (monkeys, rabbits).
- PO1HD-05671-03 0041 (HDPR) BALAQUIRE, J. Center for population research-Influence of androgens on epididymal metabolism and sperm maturation.
- PO1HD-05671-03 0042 (HDPR) MOO-YOUNG, J. Center for population research-Copper in tissues from intrauterine copper devices (rats, monkeys, human).
- PO1HD-05671-03 0043 (HDPR) EL-TONSY, HANY. Center for population research-Physiological factors affecting male fertility (guinea pigs, rats).
- PO1HD-05671-03 0044 (HDPR) MORI, J. Center for population research-Occurrence of experimental autoimmune oophoritis (rats).
- PO1HD-05671-03 0045 (HDPR) MIKAMO, K. Center for population research-Sex determination in xenopus.
- PO1HD-05671-03 0046 (HDPR) KOIDE, SAMUEL S. Center for population research-Inhibition of DNA polymerase of rat liver chromatin treated with NAD.
- PO1HD-05671-03 0047 (HDPR) TIETZE, CHRISTOPHER. Center for population research-Comparative study of copper T and lipless loop (human).
- RO1HD-05680-03 (END) RAO, BANTWAL R, 4911 BARNES HOSPITAL PLAZA, ST LOUIS, MO. Steroid binding proteins and hormonal mechanisms (rabbits, human).
- RO1HD-05697-02 (REB) KENT, HARRY A, JR, UNIVERSITY OF GEORGIA, DEPARTMENT OF ZOOLOGY, ATHENS, GA. A polypeptide influencing ovarian function (rodents).
- RO1HD-05707-02 (POP) BATES, ROBERT H, CALIFORNIA INST OF TECHNOLOGY, DIV OF HUMANITIES & SOC SCIS, PASADENA, CALIF. Urban emigrants in rural social change (Zambia).
- RO1HD-05724-08 (REB) GAWIENOWSKI, ANTHONY M, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Carotenoid metabolism of the corpus luteum (cattle).
- RO1HD-05730-04 (REB) SNIPES, CHARLES A, HAHNEMANN MED COLL & HOSPITAL, 235 NORTH 15TH STREET, PHILADELPHIA, PA. Development of reproductive function (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01HD-05736-04 (MED) HALBERT, SEYMOUR P, NATIONAL CHILDREN'S CARDIAC HOSP, 1475 N W 12 AVENUE, MIAMI, FLA. Significance of pregnancy-associated plasma proteins (human, rodents).
- R01HD-05740-03 (MED) ADAM, PETER A, CLEVELAND METRO GEN HOSPITAL, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Control of fetal and neonatal glucose metabolism (human, dogs, rats).
- R01HD-05750-03 (END) TUCKER, M ALLEN, MICHIGAN STATE UNIVERSITY, 230 ANTHONY HALL, EAST LANSING, MICH. Cortisol receptors in cultured mammary cells (cattle).
- R01HD-05751-04 (EXP) PFAFF, DONALD W, ROCKEFELLER UNIVERSITY, YORK AVENUE & 66TH STREET, NEW YORK, N. Y. Brain mechanisms of reproductive behavior (rats, other vertebrates).
- R01HD-05752-03 (EXP) ZELNER, MICHAEL D, EMORY UNIVERSITY, DEPT OF PSYCHOLOGY, ATLANTA, GA. Discrimination, generalization and effective stimuli (human).
- R01HD-05753-05 (MBY) DAVIDSON, ERIC H, CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Oogenesis and gene control in reproduction.
- R01HD-05755-04 (EDC) HOOK, ERNEST B, ALBANY MEDICAL COLLEGE, DEPARTMENT OF PEDIATRICS, ALBANY, N. Y. Minor birth defects for environmental monitoring (human).
- R01HD-05758-03 (UMB) KENNY, JEAN F, CHILDREN'S HOSPITAL, 125 DESOTO STREET, PITTSBURGH, PA. Mechanisms of sex differences in immunity (mice).
- R01HD-05761-04 (MBY) WIDNELL, CHRISTOPHER C, DEPT ANATOMY & CELL BIOLOGY, UNIV OF PITTSBURGH, PITTSBURGH, PA. Membrane function in aging and development (rats).
- R01HD-05783-03 (CBY) SCHOTTE, OSCAR E, AMHERST COLLEGE, BIOLOGY DEPT, AMHERST, MASS. Induction in irradiated nuclear transfer embryos (salamanders, newts).
- R01HD-05783-03 0001 (CBY) SCHOTTE, OSCAR E. Induction in irradiated nuclear transfer embryos (salamanders, newts)—Effect of ionizing and UV radiation on amphibian ontogeny (anurans).
- R01HD-05783-03 0002 (CBY) SCHOTTE, OSCAR E. Induction in irradiated nuclear transfer embryos (salamanders, newts)—Influence of primary organizer on neuroectodermal transfer nuclei.
- R01HD-05783-03 0043 (CBY) SCHOTTE, OSCAR E. Induction in irradiated nuclear transfer embryos (salamanders, newts)—Differentiation of nuclear transplant embryos (frogs).
- R01HD-05791-03 (END) LEVITT, MONTE J, MAGEE-WOMENS HOSPITAL, FORBES AND HALKET STREETS, PITTSBURGH, PA. Analysis of sub-microgram amounts of prostaglandins (humans, primates).
- R01HD-05794-04 (END) PEAKE, GLENN T, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF MEDICINE, ALBUQUERQUE, N. MEX. Somatotrope metabolism and lactotrope metabolism (human, rats).
- P01HD-05796-03 (HDAG) SINEX, F MAROTT, BOSTON UNIVERSITY SCHOOL OF ME, 70 EAST CONCORD STREET, BOSTON, MASS. Aging in connective tissue, brain and auditory system.
- P01HD-05796-03 0001 (HDAG) GRIEBEL, ROBERT J. Aging in connective tissue, brain and auditory system—Organization of chromatin proteins and RNA (mice, dogs).
- P01HD-05796-03 0004 (HDAG) FRANZBLAU, CARL. Aging in connective tissue, brain and auditory system—Connective tissue proteins (dogs, rats, chickens).
- P01HD-05796-03 0005 (HDAG) PETRES, ALAN. Aging in connective tissue, brain and auditory system—Changes in the auditory cortex (rats).
- P01HD-05796-03 0006 (HDAG) HARRISON, J M. Aging in connective tissue, brain and auditory system—Assessment of auditory behavior (rats).
- P01HD-05796-03 0008 (HDAG) HINDS, JAMES. Aging in connective tissue, brain and auditory system—Olfactory bulb (rats).
- P01HD-05797-04 (HDPR) ORGEBINI-CRIST, M, DEPARTMENT OF OBSTETRICS & GYN, VANDERBILT SCHOOL OF MEDICINE, NASHVILLE, TENN. Population and reproductive biology.
- P01HD-05797-04 0001 (HDPR) STROTT, CHARLES A. Population and reproductive biology—Steroid hormones and target tissue receptors (rats, guinea pigs, human).
- P01HD-05797-04 0002 (HDPR) STROTT, CHARLES A. Population and reproductive biology—Genetal steroid synthesis (human).
- P01HD-05797-04 0003 (HDPR) STROTT, CHARLES A. Population and reproductive biology—Inducer metabolism (chickens, rodents, human).
- P01HD-05797-04 0004 (HDPR) MEANS, ANTHONY R. Population and reproductive biology—Nucleic acids in testis and ovary (rats).
- P01HD-05797-04 0003 (HDPR) MEANS, ANTHONY R. Population and reproductive biology—Estrogen induced changes in acidic protein-DNA complexes in chick oviduct.
- P01HD-05797-04 0006 (HDPR) MEANS, ANTHONY R. Population and reproductive biology—Steroid hormone receptor binding sites from target cell chromatin (chickens).
- P01HD-05797-04 0007 (HDPR) MEANS, ANTHONY R. Population and reproductive biology—Uterine progesterone receptors (rats, mice).
- P01HD-05797-04 0008 (HDPR) MEANS, ANTHONY R. Population and reproductive biology—Transcription of unique sequence DNA during estrogen mediated growth (chicks).
- P01HD-05797-04 0009 (HDPR) MEANS, ANTHONY R. Population and reproductive biology—Proof of mRNA hypothesis in steroid hormone action (chickens, rabbits).
- P01HD-05797-04 0010 (HDPR) TOFT, DAVID O. Population and reproductive biology—Interaction of hormone receptors with target cell nuclei (chickens, mammals).
- P01HD-05797-04 0011 (HDPR) TOFT, DAVID O. Population and reproductive biology—Characterization of progesterone receptor proteins in uteri of mammals.
- P01HD-05797-04 0012 (HDPR) TOFT, DAVID O. Population and reproductive biology—Receptor binding assays for new antifertility agents (chickens, mammals).
- P01HD-05797-04 0013 (HDPR) SMITH, HOWARD E. Population and reproductive biology—Mercurate steroids as steroid receptor inhibitors.
- P01HD-05797-04 0014 (HDPR) SMITH, HOWARD E. Population and reproductive biology—Steric demand of the progesterone receptor from chick oviduct.
- P01HD-05797-04 0015 (HDPR) SMITH, HOWARD E. Population and reproductive biology—Sulfur analogs of progesterone (chickens).
- P01HD-05797-04 0016 (HDPR) SMITH, HOWARD E. Population and reproductive biology—Preparation of estratriene compounds (cattle, sheep).
- P01HD-05797-04 0017 (HDPR) MITCHELL, WILLIAM M. Population and reproductive biology—Changes in the deoxyribonucleoproteins (chickens, rats).
- P01HD-05797-04 0018 (HDPR) MITCHELL, WILLIAM M. Population and reproductive biology—Alterations of nuclear and extranuclear RNA polymerase (rats, chickens).
- P01HD-05797-04 0019 (HDPR) MITCHELL, WILLIAM M. Population and reproductive biology—Macromolecular conformation in chromatin (chickens).
- P01HD-05797-04 0020 (HDPR) MITCHELL, WILLIAM M. Population and reproductive biology—Macromolecular conformation in collagen (human, mice).
- P01HD-05797-04 0021 (HDPR) MITCHELL, WILLIAM M. Population and reproductive biology—Clostripain structure (bacteria).
- P01HD-05797-04 0022 (HDPR) MITCHELL, WILLIAM M. Population and reproductive biology—Epidermal growth factor (mice).
- P01HD-05797-04 0023 (HDPR) MITCHELL, WILLIAM M. Population and reproductive biology—Physiological role of gamma globulin in maintenance of cell morphology.
- P01HD-05797-04 0024 (HDPR) DAVIES, JACK. Population and reproductive biology—Electron microscopy of sperm maturation in the rabbit.
- P01HD-05797-04 0025 (HDPR) DAVIES, JACK. Population and reproductive biology—Electron microscopy of sperm maturation in the rat.
- P01HD-05797-04 0026 (HDPR) DAVIES, JACK. Population and reproductive biology—Sperm capacitation in nitrogen mustard or colchicine treated rabbits.
- P01HD-05797-04 0027 (HDPR) DAVIES, JACK. Population and reproductive biology—In vitro fertilization of oocytes (human).
- P01HD-05797-04 0028 (HDPR) CHYTL, FRANK. Population and reproductive biology—Immunocytochemistry of chromatin (chickens, rats).
- P01HD-05797-04 0029 (HDPR) CHYTL, FRANK. Population and reproductive biology—Aminoglutethimide assay.
- P01HD-05797-04 0030 (HDPR) LEMBACH, KENNETH J. Population and reproductive biology—Esteroproteases and cell growth in tissue culture.
- P01HD-05797-04 0031 (HDPR) LEMBACH, KENNETH J. Population and reproductive biology—Polyamine biosynthesis in tissue culture.
- P01HD-05797-04 0032 (HDPR) LEMBACH, KENNETH J. Population and reproductive biology—Growth stimulators (mice).
- P01HD-05797-04 0033 (HDPR) GLASSER, STANLEY R. Population and reproductive biology—Decidual cell response in progesterone action (chickens, mice).
- P01HD-05797-04 0034 (HDPR) DAVIES, JACK. Population and reproductive biology—Histology and photography.
- P01HD-05797-04 0035 (HDPR) ENGEL, ERIC. Population and reproductive biology—Reproductive genetics (human, rabbits, mice).
- P01HD-05797-04 0036 (HDPR) GOSS, DONALD A. Population and reproductive biology—Once a month contraceptive (human).
- P01HD-05798-01 (HDPR) HALL, THOMAS L, UNIVERSITY SQUARE, CHAPEL HILL, N. C. Center for population research award.
- P01HD-05798-01 0001 (HDPR) FREYMAN, MOYE W. Center for population research award—Economic studies.
- P01HD-05798-01 0002 (HDPR) FREYMAN, MOYE W. Center for population research award—Political science studies.
- P01HD-05798-01 0003 (HDPR) FREYMAN, MOYE W. Center for population research award—Psychology studies.
- P01HD-05798-01 0004 (HDPR) FREYMAN, MOYE W. Center for population research award—Epidemiology studies.
- R01HD-05803-04 (CBY) HNILICA, LUBOMIR S, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Nuclear proteins in gametogenesis and embryogenesis (rats, mice, sea urchins).
- R01HD-05804-04 (CBY) CHIANG, KWEN-SHENG, CUMMINGS LIFE SCIENCES CENTER, 920 E 58TH STREET, CHICAGO, ILL. Meiosis and reproduction (*Chlamydomonas reinhardtii*).
- R01HD-05821-03 (MET) HELMRATH, THOMAS A, 309 OLIN HEALTH CTR, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Neonatal gluconeogenesis initiation and control (swine).
- R01HD-05827-03 (PHRA) DIAMOND, JACK, NORTHWESTERN UNIV MEDICAL SCH, 633 CLARK STREET, CHICAGO, ILL. Drug effects on smooth muscle phosphorylase and C-AMP.
- R01HD-05828-03 (VR) OSBURN, BENNIE I, UNIVERSITY OF CALIFORNIA, SCHOOL OF VETERINARY MED, DAVIS, CALIF. Role of immunity in congenital disease (sheep).
- R01HD-05835-08 (MED) HARNED, HERBERT S, JR, UNIVERSITY OF NORTH CAROLINA, DEPT OF PEDIATRICS, CHAPEL HILL, N. C. Perinatal immersion effects (sheep).
- R01HD-05837-02 (MED) ZACHMAN, RICHARD D, UNIVERSITY OF WISCONSIN, NEONATOLOGY CENTER, MADISON, WIS. Metabolism of isolated perfused newborn lung (rabbits).
- R01HD-05848-03 (DBR) ELIOT, JOHN, UNIVERSITY OF MARYLAND, INSTITUTE FOR CHILD STUDY, COLLEGE PARK, MD. Childrens spatial visualization.
- R01HD-05852-03 (POP) CAMPBELL, REX R, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF MISSOURI, COLUMBIA, MO. Migration of negroes to the south.
- R01HD-05853-03 (POP) DIAMOND, MILTON, UNIVERSITY OF HAWAII, 1951 EAST-WEST ROAD, HONOLULU, HAWAII. Prognancy, birth control and abortion (human).
- R01HD-05859-04 (REB) HAMMERSTEDT, ROY H, DEPARTMENT OF BIOCHEMISTRY, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PA. Role of the epididymis in spermatozoa maturation (cattle, rabbits, human).
- R01HD-05860-03 (REB) ELEFTHERIOU, BASIL E, JACKSON LABORATORY, JACKSON LABORATORY, BAR HARBOR, MAINE. Environment, genetics and pheromonal ovulation (mice).
- R01HD-05862-04 (REB) JAGHILLO, GEORGIANA M, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Genadotrophin control of human female meiosis (also monkeys, mice).
- R01HD-05863-03 (REB) GOLDBERG, ERWIN, NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCI, EVANSTON, ILL. Reproductive biochemistry of testes specific LDH-X (mice, human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HD-05865-03 (REB) ANDERSON, CONWELL H, UNIVERSITY OF ILLINOIS, P O BOX 6998, CHICAGO, ILL. Interaction of hormones of reproduction in the brain (rats, rabbits).
- RO1HD-05866-03 (REB) LE MAIRE, WILLIAM J, UNIVERSITY OF MIAMI SCHOOL OF, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Effect of prostaglandins on ovarian function (human).
- RO1HD-05867-03 (REB) CAVAZOS, LAURO F, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Testis and epididymis-Combined study (monkeys).
- PO1HD-05874-04 (HDAG) ADELMAN, RICHARD C, FELS RESEARCH INSTITUTE, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Biochemical regulation of aging processes.
- PO1HD-05874-04 0001 (HDAG) ADELMAN, RICHARD C. Biochemical regulation of aging processes-Age-dependent control of enzyme adaptation (rats).
- PO1HD-05874-04 0002 (HDAG) HANSON, RICHARD W. Biochemical regulation of aging processes-Age dependent P-enolpyruvate carboxylase regulation in liver (rats).
- PO1HD-05874-04 0003 (HDAG) LITWACK, GERALD. Biochemical regulation of aging processes-Hormone binding macromolecules during development and aging (rats, human).
- PO1HD-05874-04 0004 (HDAG) PIERINGER, RONALD A. Biochemical regulation of aging processes-Biochemistry of nerve tissue maturation (mice, rats).
- PO1HD-05874-04 0005 (HDAG) PANK, WOON KI. Biochemical regulation of aging processes-Histone metabolism during aging (rats).
- PO1HD-05874-04 0006 (HDAG) BORUM, THADDEUS W. Biochemical regulation of aging processes-Test for the genetic error theory of aging (rats).
- PO1HD-05874-04 0007 (HDAG) PATEL, MULCHAND S. Biochemical regulation of aging processes-Development of mitochondrial metabolism in brain (guinea pigs).
- PO1HD-05875-04 (HDAG) PACKER, LESTER, UNIVERSITY OF CALIFORNIA, 2549 LIFE SCIENCES BUILDING, BERKELEY, CALIF. Aging mechanisms of in vitro human cell systems.
- PO1HD-05875-04 0001 (HDAG) DANIEL, CHARLES W. Aging mechanisms of in vitro human cell systems-Relation of cell size to in vitro age (WI-38).
- PO1HD-05875-04 0002 (HDAG) TAPPEL, ALLOYS L. Aging mechanisms of in vitro human cell systems-Lipid peroxidation of aging cells (WI-38).
- PO1HD-05875-04 0003 (HDAG) PACKER, LESTER. Aging mechanisms of in vitro human cell systems-Methods of cell culture (WI-38).
- PO1HD-05875-04 0004 (HDAG) DANIEL, CHARLES W. Aging mechanisms of in vitro human cell systems-Morphology of aging cells (WI-38).
- PO1HD-05875-04 0005 (HDAG) PACKER, LESTER. Aging mechanisms of in vitro human cell systems-Freeze-cleavage and etching (WI-38).
- PO1HD-05875-04 0006 (HDAG) TAPPEL, ALLOYS L. Aging mechanisms of in vitro human cell systems-Molecular damage of enzymes (WI-38).
- PO1HD-05875-04 0009 (HDAG) TAPPEL, ALLOYS L. Aging mechanisms of in vitro human cell systems-Molecular damage of lysosomes (WI-38).
- PO1HD-05875-04 0010 (HDAG) DEAMER, DAVID W. Aging mechanisms of in vitro human cell systems-Membrane deterioration in mitotic and non-mitotic cells (human, rats).
- PO1HD-05875-04 0011 (HDAG) PACKER, LESTER. Aging mechanisms of in vitro human cell systems-Mitochondria in cell senescence (WI-38).
- PO1HD-05875-04 0012 (HDAG) DALLMAN, PETER R. Aging mechanisms of in vitro human cell systems-Turnover of cellular organelles of human cells (WI-38).
- PO1HD-05875-04 0013 (HDAG) PAINTER, ROBERT B. Aging mechanisms of in vitro human cell systems-DNA replication and repair (WI-38).
- PO1HD-05875-04 0015 (HDAG) DANIEL, CHARLES W. Aging mechanisms of in vitro human cell systems-Collagen synthesis (WI-38).
- PO1HD-05875-04 0016 (HDAG) SENSABAUGH, GEORGE. Aging mechanisms of in vitro human cell systems-Errors in protein synthesis and its relation to aging (WI-38).
- PO1HD-05876-03 (HDPR) WINSBOROUGH, HALLIMAN H, UNIVERSITY OF WISCONSIN, 3218 SOCIAL SCIENCE BUILDING, MADISON, WIS. Center for population research.
- PO1HD-05876-03 0030 (HDPR) WINSBOROUGH, HALLIMAN H. Center for population research-Demography of the life cycle.
- PO1HD-05876-03 0031 (HDPR) WINSBOROUGH, HALLIMAN H. Center for population research-Spatial distribution of human populations.
- PO1HD-05876-03 0032 (HDPR) WINSBOROUGH, HALLIMAN H. Center for population research-Demographic methodology and formal models.
- PO1HD-05876-03 0033 (HDPR) KAPLAN, HENRY S. Center for population research-Problems and policy including legislation.
- PO1HD-05894-04 (HDGD) FUDENBERG, H HUGH, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Genetic childhood diseases and aging.
- PO1HD-05894-04 0081 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Lymphocyte function in the neonate and fetus (human, sheep).
- PO1HD-05894-04 0082 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Immunoglobulin F and thymosin use in the early diagnosis of immune deficiency.
- PO1HD-05894-04 0083 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Genetic control of variable region of immunoglobulin of chains (human).
- PO1HD-05894-04 0084 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Developmental biology of lymphocyte receptors for corticoids (mice, human).
- PO1HD-05894-04 0085 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-HLA antigens, immunologic response and disease (infants).
- PO1HD-05894-04 0086 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Parathyroid assays in relation to cellular immunity and aging (human).
- PO1HD-05894-04 0087 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Nature and clinical use of transfer factor (human).
- PO1HD-05894-04 0088 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Enzyme mutants in neutrophil dysfunction syndrome (human).
- PO1HD-05894-04 0009 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Significance of alpha-1 glycoprotein in cerebral tumors of infancy.
- PO1HD-05894-04 0010 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Immunologic studies of cystic fibrosis (children).
- PO1HD-05894-04 0011 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Immunoenzymology of acetylcholinesterase (cattle, human).
- PO1HD-05894-04 0012 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Hyaline membrane disease (human).
- PO1HD-05894-04 0013 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Infections in splenectomized infants with hemolytic disease (and adults).
- PO1HD-05894-04 0014 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-IgA absence, anti-IgA antibody and feto-maternal interaction (human).
- PO1HD-05894-04 0015 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Removal of aged red cells (human, rats).
- PO1HD-05894-04 0016 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Regulation of bilirubin catabolism (human, rats, Gunn).
- PO1HD-05894-04 0017 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Immunology of collagen in disease and aging (human, rats, whales).
- PO1HD-05894-04 0018 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Cellular immune deficiency as possible cause of aging (human, mice).
- PO1HD-05894-04 0019 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Aging and exhaustion of the thymus dependent immune systems (mice).
- PO1HD-05894-04 0020 (HDGD) FUDENBERG, H HUGH. Genetic childhood diseases and aging-Characterization of humoral deficiency of all immune globulins (human).
- RO1HD-05897-04 (SSS) CHRISTENSEN, ALBERT K, TEMPLE UNIVERSITY, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Cell biology of steroid-secreting cells (mice, guinea pigs).
- RO1HD-05902-04 (EXC) DAVIS, ROGER T, DEPT OF PSYCHOLOGY, WASHINGTON STATE UNIVERSITY, PULLMAN, WASH. Aging in monkeys.
- RO1HD-05914-02 (MED) CROSS, MORTON H, 530 LIPPINCOTT BUILDING, 25TH AND LOCUST STREETS, PHILADELPHIA, PA. Blastocyst expansion (rabbits).
- RO1HD-05916-03 (ALY) COLTEN, HARVEY R, CHILDREN'S HOSPITAL MED CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Biosynthesis of serum complement (human, guinea pig).
- RO1HD-05922-02 (END) GOEBELSMANN, UWE T, UNIV OF SOUTHERN CALIFORNIA, 1200 N STATE STREET, LOS ANGELES, CALIF. Transport, measurement and clinical use of plasma estriol (human).
- RO1HD-05925-03 (PHRA) GOLDBERG, ALAN M, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Anesthetic and myometrial contractility (human, rats).
- RO1HD-05926-03 (PTH) GOLDBERG, STANLEY J, UNIV OF ARIZONA MED CENTER, 1501 NORTH CAMPBELL AVE, TUCSON, ARIZ. Lung hydraulic impedance evaluation in children.
- RO1HD-05928-08 (REB) MC KIBBINS, KENNETH W, UNIV OF FLORIDA COLL OF MED, DEPT OF OBS & GYN, GAINESVILLE, FLA. Contraceptive regulation of corpus luteum function (human, swine, cattle).
- PO1HD-05941-03 (HDAG) LOWENTHAL, MARJORIE F, LANGLEY PORTER NEUROPSYCH INST, 401 PARNASSUS AVE, SAN FRANCISCO, CALIF. Human development and aging.
- PO1HD-05941-03 0001 (HDAG) LOWENTHAL, MARJORIE F. Human development and aging-Longitudinal study of transitions.
- PO1HD-05941-03 0002 (HDAG) LOWENTHAL, MARJORIE F. Human development and aging-Ethnic identity and adult development.
- RO1HD-05942-03 (REB) HOFFMAN, LOREN H, VANDERBILT UNIV SCH OF MED, DEPARTMENT OF ANATOMY, NASHVILLE, TENN. Uterine and placental control of luteal function (rabbits).
- RO1HD-05944-03 (MED) GREEN, MAROARET C, JACKSON LABORATORY, BAR HARBOR, MAINE. Developmental effects of mutant genes (mice).
- RO1HD-05948-01 (REB) WALLACH, EDWARD E, THE PENNSYLVANIA HOSPITAL, DEPT OF OBSTETRICS & GYNECOLOG, PHILADELPHIA, PA. Ovarian nerve and muscle in the mechanism of ovulation (rabbits, monkeys, human).
- PO1HD-05951-08 (HDMR) SCOTT, KEITH G, UNIVERSITY OF ILLINOIS, CHILDRENS RESEARCH CENTER, CHAMPAIGN, ILL. Cognition in the retarded child.
- PO1HD-05951-03 0001 (HDMR) SCOTT, KEITH G. Cognition in the retarded child-Short and long-term memory.
- PO1HD-05951-03 0002 (HDMR) CAMPIONE, JOSEPH C. Cognition in the retarded child-Learning and transfer.
- PO1HD-05951-03 0003 (HDMR) GOLD, MARC W. Cognition in the retarded child-Vocational skill training.
- RO1HD-05952-03 (SSS) PEREZ-REYES, MARIA, NORTH CAROLINA MEM HOSP, DEPARTMENT OF PSYCHIATRY, CHAPEL HILL, N C. Follow-up of abortion or motherhood in adolescence.
- PO1HD-05958-03 (HDMR) BUCHWALD, NATHANIEL A, NEUROPSYCHIATRIC INSTITUTE, UC, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. Neuropsychology and neuropsychology in mental retardation.
- PO1HD-05958-03 0001 (HDMR) HULL, C D. Neuropsychology and neuropsychology in mental retardation-Neural correlates of sensation and learning in the brain (cats, monkeys).
- PO1HD-05958-03 0002 (HDMR) WOODY, CHARLES D. Neuropsychology and neuropsychology in mental retardation-Electrophysiology of learned motor performance (cats).
- PO1HD-05958-03 0003 (HDMR) ROSE, GUENTER. Neuropsychology and neuropsychology in mental retardation-Development of visually evoked responses and associated behavior (cats).
- PO1HD-05958-08 0004 (HDMR) TANGUAY, P E. Neuropsychology and neuropsychology in mental retardation-Neurophysiological indices of maturation in autistic and retarded children.
- PO1HD-05958-03 0003 (HDMR) ADINOLFI, ANTHONY. Neuropsychology and neuropsychology in mental retardation-Activating and deactivating mechanisms of the rostral brain (cats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1HD-05958-03 0006 (HDMR) JERISON, HARRY J. Neurophysiology and neuropsychology in mental retardation—Human and animal vigilance.
- PO1HD-05958-03 0007 (HDMR) BUCHWALD, JENNIFER S. Neurophysiology and neuropsychology in mental retardation—Electrophysiology and response plasticity of neurons (human, cats).
- PO1HD-05961-03 (HDMR) MACKLER, BRUCE, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PEDIATRICS, SEATTLE, WASH. Human and mammalian development.
- PO1HD-05961-03 0001 (HDMR) DAVIS, STARKEY D. Human and mammalian development—Developmental defects of intrauterine B6 deficiency (rats).
- PO1HD-05961-03 0002 (HDMR) MACKLER, BRUCE. Human and mammalian development—Development of mitochondria and their role in embryogenesis (human, rodents).
- PO1HD-05961-03 0004 (HDMR) PIOUS, DONALD A. Human and mammalian development—Primary cellular growth deficiency in humans.
- PO1HD-05961-03 0005 (HDMR) SHEPARD, THOMAS H. Human and mammalian development—Metabolism of achondroplastic cartilage cells (rabbits, human).
- PO1HD-05969-03 (HDPR) SPIES, HAROLD G, OREGON REG PRIMATE RES CTR, 505 NW 185TH AVENUE, BEAVERTON, OREG. Events that control fertilization.
- PO1HD-05969-03 0001 (HDPR) ALEXANDER, NANCY. Events that control fertilization—Structure and function of the male duct system (monkeys).
- PO1HD-05969-03 0002 (HDPR) HOSKINS, DALE D. Events that control fertilization—Protein phosphorylations as control mechanism in sperm (monkeys, cattle).
- PO1HD-05969-03 0002 (HDPR) SASAKI, Y. Events that control fertilization—Metabolism and metabolic control of ovary (Rhesus monkey).
- PO1HD-05969-03 0004 (HDPR) BRENNER, ROBERT M. Events that control fertilization—Hormonal regulation of oviduct epithelium (monkeys, hamsters, cats).
- PO1HD-05969-03 0005 (HDPR) RESKO, JOHN A. Events that control fertilization—Sex steroids, follicular growth and ovulation (monkey, guinea pig, goat, rabbit).
- PO1HD-05969-03 0006 (HDPR) RESKO, JOHN A. Events that control fertilization—Function of androgens in female reproduction (monkeys).
- PO1HD-05969-03 0007 (HDPR) ALEXANDER, NANCY. Events that control fertilization—Long-term effects of vasectomy (monkeys, rats, guinea pigs, human).
- PO1HD-05969-03 0008 (HDPR) NOVY, MILES J. Events that control fertilization—Effects of prostaglandins on systemic and regional blood flow (rabbits, monkeys).
- PO1HD-05969-03 0009 (HDPR) NOVY, MILES J. Events that control fertilization—Regulation of ovum transport in oviduct (rabbits, monkeys).
- PO1HD-05969-03 0010 (HDPR) EATON, G. G. Events that control fertilization—Reproductive behavior in a feral troop of Japanese macaques.
- PO1HD-05969-03 0011 (HDPR) EATON, G. G. Events that control fertilization—Selection of sexual partners by female pigtail macaques.
- PO1HD-05969-03 0012 (HDPR) VANHORN, RICHARD N. Events that control fertilization—Dependence of sexual behavior on gonadal steroids (Lemur cats).
- PO1HD-05969-03 0013 (HDPR) PHOENIX, CHARLES H. Events that control fertilization—Sexual behavior of the male rhesus.
- PO1HD-05969-03 0014 (HDPR) CASILLAS, EDMUND R. Events that control fertilization—Role of carnitine in spermatozoa (cattle, monkeys, rats).
- PO1HD-05970-03 (HDA@) SANADI, D RAO, DEPT OF CELL PHYSIOLOGY, BOSTON BIOMEDICAL RES INST, BOSTON, MASS. Metabolic and molecular changes in aging.
- PO1HD-05970-03 0001 (HDA@) SANADI, D RAO. Metabolic and molecular changes in aging—Mitochondrial reactions in senescence (rats, flies).
- PO1HD-05970-03 0002 (HDA@) KOUKOL, JANE. Metabolic and molecular changes in aging—Control of energy metabolism (nematodes).
- PO1HD-05970-03 0004 (HDA@) DAVISON, PETER F. Metabolic and molecular changes in aging—Crosslinks in collagen (rats, cattle, fish).
- PO1HD-05979-03 (REB) FAWCETT, DON W, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Regulation of smooth muscle of reproductive organs (guinea pigs, rabbits).
- PO1HD-05985-01 (POP) PHILLIPS, LAD, DEPARTMENT OF ECONOMICS, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CALIF. Cycles in fertility, mortality and economic conditions (US, Sweden, Britain).
- PO1HD-05996-03 (HDMR) SCHAPER, IRWIN A, CLEVELAND METRO GENERAL HOSP, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Prevention of mental retardation through prenatal diagnosis.
- PO1HD-05996-03 0002 (HDMR) LITT, MORTON H. Prevention of mental retardation through prenatal diagnosis—Surfaces for fetal cell adhesion and growth (human).
- PO1HD-05996-03 0003 (HDMR) SCHAPER, IRWIN A. Prevention of mental retardation through prenatal diagnosis—Carbohydrates containing macromolecules and lysosomal function (human).
- PO1HD-05996-03 0004 (HDMR) ANTHONY, GABOR J. Prevention of mental retardation through prenatal diagnosis—Intermediary carbohydrate metabolism in fetal cells (human).
- PO1HD-05996-03 0005 (HDMR) ALADJEM, SILVIO. Prevention of mental retardation through prenatal diagnosis—Fetal skin biopsy in utero (primates, human).
- RO1HD-06002-03 (DBR) GIRGUS, JOAN S, CONVENT AVE AT 138TH STREET, NEW YORK, N.Y. Age and the processing of successive visual stimuli.
- RO1HD-06002-03 (GEN) MORTON, NEWTON B, UNIVERSITY OF HAWAII, 1980 EAST WEST ROAD, HONOLULU, HAWAII. Genetic aspects of family planning.
- RO1HD-06007-03 (HED) WELLS, WILLIAM W, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Metabolism of myoinositol during development (rats).
- RO1HD-06007-03 0001 (HED) WELLS, WILLIAM W. Metabolism of myoinositol during development (rats)—The origin of fetal blood myoinositol (rats).
- RO1HD-06007-03 0002 (HED) WELLS, WILLIAM W. Metabolism of myoinositol during development (rats)—Myoinositol activity in mammary glands.
- RO1HD-06007-03 0003 (HED) WELLS, WILLIAM W. Metabolism of myoinositol during development (rats)—Effect of myoinositol absence on neonate development (rats).
- RO1HD-06009-03 (HED) KRON, RUBEN E, HOSP OF UNIV OF PENNSYLVANIA, 3600 SPRUCE STREET, PHILADELPHIA, PA. Passive narcotic addiction in the human newborn.
- RO1HD-06016-03 (EXP) RUMBAUGH, DUANE M, EMORY UNIVERSITY, YERKES REGIONAL PRI RES CTR, ATLANTA, GA. Language formation studies (apes).
- RO1HD-06018-03 (MET) BERRY, HELEN K, CHILDRENS HOSPITAL RES FDN, ELLAND AND BETHESDA AVENUES, CINCINNATI, OHIO. Phenylalanine hydroxylase activity in tissues (rats).
- RO1HD-06020-03 (REB) CROSS, PATRICIA C, SCH OF VETERINARY MEDICINE, UNIV OF PENNSYLVANIA, PHILADELPHIA, PA. Maturation of mammalian oocytes (mice).
- RO1HD-06040-01 (COM) THAU, FREDERICK E, CITY COLLEGE OF THE C U N Y, CONVENT AVENUE AT 138TH STREET, NEW YORK, N.Y. Modern control theory applied to population control.
- RO1HD-06045-03 (REB) AHLUWALLA, BALWANT S, HOWARD UNIVERSITY COLL OF MED, 520 W STREET, N W, WASHINGTON, D C. Inter-relationship between retinal and male gonads (rats).
- RO1HD-06047-03 (REB) YOSHINAGA, KOJI, HARVARD MEDICAL SCHOOL, 45 SHATTUCK STREET, BOSTON, MASS. Uterine sensitivity and its associated phenomena (rats).
- RO1HD-06057-02 (END) SANYAL, MRINAL K, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Progesterone metabolism in human fetoplacental unit (also rats).
- RO1HD-06060-03 (EXP) DAVENPORT, JOHN W, UNIV OF WISCONSIN, 1223 CAPITOL COURT, MADISON, WIS. Thyroid function and intelligence (monkeys, rats).
- RO1HD-06069-03 (MET) BEATTY, CLARISSA H, OREGON REGIONAL PRIMATE RESEAR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Effects of prostaglandins on myometrial metabolism (rhesus monkeys).
- RO1HD-06070-03 (MET) CONIGLIO, JOHN G, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Composition and metabolism of human testes.
- RO1HD-06071-03 (MET) CLARK, WILLIAM R, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOLOGY, LOS ANGELES, CALIF. Control of differentiation in lymphocytes (rats, mice).
- RO1HD-06074-01 (PHY) SIRGMAN, MARION J, JEFFERSON MEDICAL COLLEGE, 1025 WALNUT STREET, PHILADELPHIA, PA. Contraction of uterine and intestinal smooth muscle.
- RO1HD-06082-03 (GEN) SCHNEIDERMAN, HOWARD A, UNIVERSITY OF CALIFORNIA, DEVELOPMENTAL & CELL BIO DEPT, IRVINE, CALIF. Genetic analysis of basic developmental mechanisms (Drosophila).
- RO1HD-06084-02 (POP) TAEUBER, KARL B, 8128 SOCIAL SCIENCE BUILDING, 1180 OBSERVATORY DRIVE, MADISON, WIS. Role definitions and potential for change (human).
- RO1HD-06104-03 (END) KORENMAN, STANLEY G, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Follicular maturation (human).
- RO1HD-06106-03 (DEN) FEDERMAN, MICHILINE, NEW ENGLAND DEACONESS HOSP, 185 PILGRIM ROAD, BOSTON, MASS. Changes in cell type and structure in developing bone (rats).
- RO1HD-06110-03 (POP) MC ELRATH, DENNIS C, STEVENSON COLLEGE, UNIV OF CALIFORNIA, SANTA CRUZ, SANTA CRUZ, CALIF. Urbanization, life style and fertility (Italy, US).
- RO1HD-06130-01 (POP) JAFFE, ABRAHAM J, BUREAU OF APPLIED SOCIAL RES, 605 WEST 115TH STREET, NEW YORK, N.Y. Fertility and labor force in the US.
- PO1HD-06132-01 (HDPR) VANDE WIELE, EAYMOND L, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N.Y. International institute for study of human reproduction (also primates).
- RO1HD-06136-03 (TMP) POOR, W EUGENE, WAYNE STATE UNIVERSITY, DEPARTMENT OF BIOLOGY, DETROIT, MICH. Basic studies in reproduction (helminths).
- RO1HD-06159-03 (HED) NOVY, MILES J, OREG REGIONAL PRIMATE RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Regulation of regional blood flow in labor (primates, subhuman).
- PO1HD-06160-03 (HDPR) BROWNING, HARLEY L, UNIVERSITY OF TEXAS AT AUSTIN, 200 EAST 26 1/2 STREET, AUSTIN, TEXAS. Population Research Center (human).
- RO1HD-06161-03 (CBY) EDDY, EDWARD M, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Germ cell formation and maturation (rats, tadpoles).
- RO1HD-06177-03 (CBY) KILLEY, ROBERT O, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF ANATOMY, ALBUQUERQUE, N.M. Growth and regulation of human limb mesenchyme.
- RO1HD-06192-03 (REB) REEVES, JERRY J, WASHINGTON STATE UNIVERSITY, DEPT OF ANIMAL SCIENCES, PULLMAN, WASH. Physiological studies of hypothalamic hormones (sheep, cattle, chickens).
- RO1HD-06195-03 (TMP) WILLIS, JUDITH H, UNIVERSITY OF ILLINOIS, DEPT OF ENTOMOLOGY, URBANA, ILLINOIS. Developmental analysis.
- RO1HD-06201-03 (HED) NAEYE, RICHARD L, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Lung maturation, hormonal and other influences (human, rats, rabbits).
- RO1HD-06203-03 (MRY) SREITER, FRANK A, BOSTON BIOMEDICAL RES INST, 20 STANFORD STREET, BOSTON, MASS. Biochemical changes in developing and aging muscles (rabbits, rats, chicken).
- RO1HD-06207-03 (REB) HEIDGER, PAUL M, JR, TULANE UNIV SCHOOL OF MEDICINE, 1430 TULANE AVENUE, NEW ORLEANS, LA. Vasectomy—Ultrastructural and cytochemical effects (dogs, rodents, human).
- RO1HD-06209-03 (REB) KAPEN, SHELDON, MONTEFIORE HOSP AND MED CTR, 111 EAST 210TH STREET, BRONX, N.Y. Gonadotropin release and biological rhythms (women, men).
- RO1HD-06210-03 (REB) BO, WALTER J, BOWMAN GRAY SCHOOL OF MEDICINE, WAKE FOREST UNIVERSITY, WINSTON SALEM, N.C. Estrogen-like effect of the IUD on the uterus (rats).
- RO1HD-06212-03 (REB) BILL, ANTHONY B, LINFIELD COLLEGE, LINFIELD RESEARCH INSTITUTE, MC MINNVILLE, OREG. Ovarian steroid control of muscle of reproductive tract (rats).
- RO1HD-06223-01 (END) RIEGLE, GAIL D, ENDOCRINE RESEARCH UNIT, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. The effect of aging on hypothalamic control systems (rats, sheep).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(Contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01HD-06224-02 (HDAQ) MADDOX, GEORGE L. DUKE UNIVERSITY, BOX 3003, DURHAM, N. C. Center for the study of aging and human development.
- R01HD-06226-02 (HED) DANIEL, JOSEPH C, JR. UNIVERSITY OF TENNESSEE, HESLER BIOLOGY BUILDING, KNOXVILLE, TENN. Uterine proteins in mammalian embryogenesis (rabbits, human).
- R01HD-06233-03 (REB) JONES, RICHARD E. UNIVERSITY OF COLORADO, ENVIR. POP. & ORGAN BIO DEPT., BOULDER, COLO. Control of selective ovarian follicular growth (lizards).
- R01HD-06234-03 (REB) DABICH, D. WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. Physiology and biochemistry of the blastocyst (mice, rats, rabbits).
- R01HD-06244-02 (HED) UNSWORTH, BRIAN R. MARQUETTE UNIVERSITY, 530 N 15TH ST, MILWAUKEE, WIS. Organogenesis during mammalian embryonic development (mammals).
- R01HD-06264-03 (POP) DE LAMATER, JOHN D. UNIVERSITY OF WISCONSIN, 1180 OBSERVATORY DRIVE, MADISON, WIS. Sociopsychological aspects of premarital conception.
- R01HD-06265-02 (POP) COLLIER, GEORGE A. STANFORD UNIVERSITY, DEPT OF ANTHROPOLOGY, STANFORD, CALIF. Land reform and demography in highland Chiapas, Mexico.
- R01HD-06266-02 (POP) ANLIER, WARREN B. STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Psychological factors and fertility behavior in women.
- P01HD-06267-03 (HDAQ) MASORO, EDWARD J. MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Role of biological membranes in aging processes.
- P01HD-06267-03 0001 (HDAQ) ROBERTS, JAY. Role of biological membranes in aging processes—Changes in cardiac membrane properties (rats).
- P01HD-06267-03 0002 (HDAQ) BERTRAND, HELEN. Role of biological membranes in aging processes—Changes in sarcoplasmic reticulum (rats).
- P01HD-06267-03 0003 (HDAQ) KALDOR, GEORGE. Role of biological membranes in aging processes—Muscle contractile and modular proteins (rats).
- P01HD-06267-03 0004 (HDAQ) ZIMMERMAN, IRWIN D. Role of biological membranes in aging processes—Function of the neural cell membrane (rats).
- P01HD-06267-03 0005 (HDAQ) DEMARTINIS, FRED. Role of biological membranes in aging processes—Plasma membrane of the adipocyte (rats).
- P01HD-06268-02 (HDPR) MOSLEY, WILEY H. SCH OF HYGIENE & PUBLIC HLTH, 615 NORTH WOLFE STREET, BALTIMORE, MD. Hopkins population center.
- R01HD-06272-02 (POP) FOHLMAN, EDWARD W. UNIVERSITY OF THE PACIFIC, STOCKTON, CALIF. Psychological effects of voluntary vasectomy.
- P01HD-06273-03 (HDPR) HECHTER, OSCAR M. NORTHWESTERN UNIV MEDICAL SCH, 303 E CHICAGO AVENUE, CHICAGO, ILL. Cyclic nucleotides in uterine and sperm functions.
- P01HD-06273-03 0001 (HDPR) BIRNBAUMER, LUTZ. Cyclic nucleotides in uterine and sperm functions—Uterine contractility (human, rats, rabbits).
- P01HD-06273-03 0002 (HDPR) FLOURET, GEORGE. Cyclic nucleotides in uterine and sperm functions—Isolation of oxytocin receptor from uterus (human).
- P01HD-06273-03 0003 (HDPR) LORAND, LASZLO. Cyclic nucleotides in uterine and sperm functions—Molecular aspects of uterine contraction (human, rabbits).
- P01HD-06274-03 (HDPR) MASTROIANNI, LUIGI, JR. UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Reproductive biology.
- P01HD-06274-03 0001 (HDPR) STOREY, BAYARD T. Reproductive biology—Metabolic enzyme pathways in spermatozoa (monkeys, rabbits, hamsters, human).
- P01HD-06274-03 0002 (HDPR) MIKHAIL, GIRGIS. Reproductive biology—Endocrine control of ovarian and oviduct function (human, monkeys, rabbits).
- P01HD-06274-03 0003 (HDPR) STAMRAUGH, RICHARD L. Reproductive biology—Acrosomal enzymes and fertilization (rabbits, monkeys, human).
- P01HD-06274-03 0004 (HDPR) BRACKETT, BENJAMIN G. Reproductive biology—In vitro fertilization (rabbits, monkeys, human, mice).
- P01HD-06274-03 0005 (HDPR) CHANCE, BRITTON. Reproductive biology—Membrane structural changes during fertilization (sea urchins).
- P01HD-06274-03 0006 (HDPR) MASTROIANNI, LUIGI JR. Reproductive biology—Oviductal and uterine environment (rabbits, monkeys).
- P01HD-06276-03 (HDMR) BARLOW, CHARLES F. CHILDREN HOSPITAL MEDICAL CTR, 300 LONGWOOD AVE, BOSTON, MASS. Mental retardation research program.
- P01HD-06276-03 0001 (HDMR) WELCH, KEASLEY. Mental retardation research program—Choroid plexus transport (cats).
- P01HD-06276-03 0002 (HDMR) WINSTON, KEN ROSE. Mental retardation research program—The hippocampal-fornical system as model of CNS axonal transport (cats).
- P01HD-06276-03 0003 (HDMR) EISENBERG, HOWARD. Mental retardation research program—Kinetics of Na 24 turnover in normal and hydrocephalic dogs.
- P01HD-06276-03 0004 (HDMR) ZWAAN, JOHANN. Mental retardation research program—Developmental anatomy and biochemistry of the eye (mice).
- P01HD-06276-03 0005 (HDMR) LATT, SAMUEL. Mental retardation research program—Microspectrophotometry of chromosomes (human).
- P01HD-06276-03 0006 (HDMR) RICHMOND, JULIUS. Mental retardation research program—Animal behavior (rodents).
- P01HD-06276-03 0007 (HDMR) RICHMOND, JULIUS. Mental retardation research program—Pre- and perinatal influence of gonadal steroids on behavior (rodents).
- P01HD-06276-03 0008 (HDMR) LEVITON, ALAN. Mental retardation research program—Epidemiology of white matter abnormalities in infants (human).
- P01HD-06276-03 0009 (HDMR) LEVITON, ALAN. Mental retardation research program—Postnatal maturation of neurons in infants (human).
- P01HD-06276-03 0010 (HDMR) LEVITON, ALAN. Mental retardation research program—Classification and epidemiology of school problem syndromes.
- P01HD-06276-03 0011 (HDMR) LEVITON, ALAN. Mental retardation research program—Classification and epidemiology of learning disorders and hyperkinesis.
- P01HD-06276-03 0012 (HDMR) DAVIDSON, RICHARD L. Mental retardation research program—Regulation of gene expression in somatic cell hybrids (human, mice).
- P01HD-06276-03 0013 (HDMR) GERALD, PARK S. Mental retardation research program—Assignment of genes to human chromosomes by hybridization (human, mice).
- P01HD-06276-03 0014 (HDMR) BRUNS, G A. Mental retardation research program—Lysosomal enzymes and inherited diseases (human, mice).
- P01HD-06276-03 0015 (HDMR) GERALD, PARK S. Mental retardation research program—Human and other primate chromosomes (fluorescence microscopy).
- P01HD-06276-03 0017 (HDMR) WOLFF, PETER H. Mental retardation research program—Stability of motor rhythms in young infants.
- P01HD-06276-03 0018 (HDMR) ABROMS, ISRAEL F. Mental retardation research program—Interaction of competing sensory systems in young infants.
- P01HD-06276-03 0019 (HDMR) WOLFF, PETER H. Mental retardation research program—Temporal organization of voluntary behavior (children).
- P01HD-06276-03 0020 (HDMR) SILBERT, ANETTE. Mental retardation research program—Biological basis of sex difference in cognitive stage (children).
- P01HD-06276-03 0021 (HDMR) WOLFF, PETER H. Mental retardation research program—Psychophysiological and behavioral differences (adults, infants).
- P01HD-06276-03 0022 (HDMR) WALZER, STANLEY. Mental retardation research program—Sex chromosomes abnormalities and behavior variation.
- P01HD-06276-03 0023 (HDMR) GASCON, GENEROSO. Mental retardation research program—Acquired aphasia, acute infantile hemiplegia (children).
- P01HD-06276-03 0024 (HDMR) GASCON, GENEROSO. Mental retardation research program—EEG-behavioral correlations in hyperkinetic children.
- P01HD-06276-03 0025 (HDMR) SCHOENFELD, RONALD. Mental retardation research program—Behavioral and pharmacological consequences of 6-hydroxydopamine (rats).
- P01HD-06276-03 0026 (HDMR) SCHOENFELD, RONALD. Mental retardation research program—Ontogeny of drug-induced stereotypical behavior (rats).
- P01HD-06276-03 0028 (HDMR) CROCKER, ALLEN C. Mental retardation research program—Lipid and mucopolysaccharides abnormalities in mental retardation (children).
- P01HD-06276-03 0029 (HDMR) SCHNELL, RICHARD R. Mental retardation research program—Psychological aspects of single gene alteration metabolic diseases (children).
- P01HD-06276-03 0030 (HDMR) SCHNELL, RICHARD R. Mental retardation research program—Tryptophan in Down's syndrome (children).
- P01HD-06276-03 0031 (HDMR) SZYMANSKI, LUDWIK. Mental retardation research program—The phenomenon of unrelatedness (children).
- P01HD-06276-03 0032 (HDMR) SCHNELL, RICHARD R. Mental retardation research program—Family adaptation to children with mental retardation or fatal diseases.
- P01HD-06276-03 0033 (HDMR) SCHARF, B. Mental retardation research program—Lateralization and loudness summation (children).
- P01HD-06276-03 0037 (HDMR) MICKLER, HUBERT S. Mental retardation research program—Abnormalities in sterol ester metabolism in brain diseases (human, monkeys).
- P01HD-06276-03 0038 (HDMR) MATSUMIYA, Y. Mental retardation research program—Auditory deficit detection by evoked responses and computer (children).
- P01HD-06276-03 0039 (HDMR) ABROMS, ISRAEL F. Mental retardation research program—Somatosensory evoked potentials, sucking and swallowing in newborns (human).
- P01HD-06276-03 0040 (HDMR) DUFFY, FRANK H. Mental retardation research program—Neurophysiology of induced amblyopia exanopsia in kittens.
- P01HD-06276-03 0041 (HDMR) DUFFY, FRANK H. Mental retardation research program—Visual evoked potentials in amblyopia exanopsia (children).
- P01HD-06276-03 0042 (HDMR) BURCHMEL, JAMES. Mental retardation research program—Visual suppression time-locked to voluntary eye movement (monkeys).
- P01HD-06276-03 0043 (HDMR) BURCHMEL, JAMES. Mental retardation research program—Corticofugal influence on ventral posterior nucleus activity (cats).
- P01HD-06276-03 0044 (HDMR) DUFFY, FRANK H. Mental retardation research program—Hierarchy of receptive fields in the somatosensory system (monkeys).
- P01HD-06276-03 0045 (HDMR) MATSUMIYA, Y. Mental retardation research program—Computer processing of neurophysiological data.
- P01HD-06276-03 0046 (HDMR) HEDLEY-WHYTE, E T. Mental retardation research program—Cholesterol in developing and regenerating nervous system (rats, mice).
- P01HD-06276-03 0047 (HDMR) HEDLEY-WHYTE, E T. Mental retardation research program—Effect of undernutrition on myelination in developing rat (electron microscopy).
- P01HD-06276-03 0040 (HDMR) HEDLEY-WHYTE, E T. Mental retardation research program—Role of rectal biopsy in diagnosis of pediatric neurologic disorders.
- P01HD-06276-03 0049 (HDMR) GILLES, FLOYD H. Mental retardation research program—Perinatal telencephalic leucoencephalopathy (human).
- P01HD-06276-03 0050 (HDMR) GILLES, FLOYD H. Mental retardation research program—Effects of irradiation upon myelinating telencephalon (rats).
- P01HD-06276-03 0051 (HDMR) GILLES, FLOYD H. Mental retardation research program—Later gestational changes in the brain (human).
- P01HD-06276-03 0052 (HDMR) GILLES, FLOYD H. Mental retardation research program—Studies of biopsies (human).
- P01HD-06276-03 0053 (HDMR) BRESNAN, MICHAEL J. Mental retardation research program—CSF dynamics in hydrocephalus (human).
- P01HD-06276-03 0054 (HDMR) LORENZO, ANTONIO V. Mental retardation research program—CSF transport of metabolic end products from brain (cats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1HD-06276-03 0055 (HDMR) LORENZO, ANTONIO V. Mental retardation research program-Effect of convulsants on CNS regional permeability and biochemistry (cats).
- PO1HD-06276-03 0056 (HDMR) LORENZO, ANTONIO V. Mental retardation research program-Development of CSF amino acid transport and their levels in brain (kittens).
- PO1HD-06276-03 0059 (HDMR) URETSKY, NORMAN J. Mental retardation research program-Effects of false transmitters on behavior and brain chemistry (rats, rabbits).
- PO1HD-06276-03 0060 (HDMR) URETSKY, NORMAN J. Mental retardation research program-Tyrosine hydroxylase activity and NE synthesis in reserpine treatment (rats).
- PO1HD-06276-03 0061 (HDMR) SMITH, ARNOLD L. Mental retardation research program-CSF during meningitis (rabbits, rats).
- PO1HD-06276-03 0062 (HDMR) SMITH, ARNOLD L. Mental retardation research program-Adaptation of neonatal brain to ketone body oxidation (rats).
- PO1HD-06276-03 0063 (HDMR) SMITH, ARNOLD L. Mental retardation research program-Metabolic pathways of glucose in fetal brain (human).
- PO1HD-06276-03 0064 (HDMR) RAKIC, PASCO. Mental retardation research program-Histogenesis in the fetal monkey CNS.
- PO1HD-06276-03 0065 (HDMR) SIDMAN, RICHARD L. Mental retardation research program-Cerebellar development in mutant mice.
- PO1HD-06276-03 0066 (HDMR) CAVINESS, VERNE. Mental retardation research program-Cerebral malformations (mice, human).
- PO1HD-06276-03 0067 (HDMR) LAVAIL, JENNIFER H. Mental retardation research program-Retrograde intraaxonal transport and organ culture (rats, primates).
- PO1HD-06276-03 0068 (HDMR) MESSER, ANNE. Mental retardation research program-Culture of dispersed cerebellar neurons.
- PO1HD-06276-03 0069 (HDMR) FOX, THOMAS O. Mental retardation research program-Intracellular communication proteins in developing mouse brain.
- PO1HD-06276-03 0070 (HDMR) SCHACHNER, MELITTA. Mental retardation research program-Immunocytological identification of brain cell surface components (mice).
- PO1HD-06276-03 0071 (HDMR) LAVAIL, MATHEW M. Mental retardation research program-Retinal development and disease (rodents).
- PO1HD-06276-03 0072 (HDMR) MULLEN, RICHARD. Mental retardation research program-Experimental chimerism (rodents).
- PO1HD-06276-03 0073 (HDMR) URETSKY, NORMAN J. Mental retardation research program-Catecholamine neurochemistry.
- PO1HD-06276-03 0074 (HDMR) DAWSON, DAVID. Mental retardation research program-Enzymology (rats).
- PO1HD-06276-03 0075 (HDMR) MICKEL, HUBERT S. Mental retardation research program-Lipid neurochemistry.
- PO1HD-06276-03 0076 (HDMR) ROPPLER-TARLOV, SUZANNE. Mental retardation research program-Release of norepinephrine from cat brain in vivo, with infusion of potassium.
- PO1HD-06276-03 0077 (HDMR) WELCH, KEASLEY. Mental retardation research program-Absorption of cerebrospinal fluid in Kaolin hydrocephalus (cats).
- PO1HD-06276-03 0078 (HDMR) FISCHER, E G. Mental retardation research program-Cerebral ischemia (rabbits).
- PO1HD-06276-03 0079 (HDMR) LOMBROSO, C T. Mental retardation research program-Visual evoked response and dyslexia (human).
- PO1HD-06276-03 0080 (HDMR) HEDLEY-WHITE, E T. Mental retardation research program-Blood-brain barrier (mice).
- PO1HD-06276-03 0081 (HDMR) SNODGRASS, S R. Mental retardation research program-GABA transport by nerve ending fractions of cat brain.
- PO1HD-06276-03 0082 (HDMR) GILLES, FLOYD H. Mental retardation research program-Delay of myelination proximal to axonal transection in neonates (human).
- PO1HD-06276-03 0083 (HDMR) LEVITAN, ALAN. Mental retardation research program-Growth of myelin sheath and axon in sciatic nerve of undernourished rats.
- PO1HD-06276-03 0084 (HDMR) HEDLEY-WHITE, E T. Mental retardation research program-Examination of human tissues.
- PO1HD-06276-03 0085 (HDMR) GILLES, FLOYD H. Mental retardation research program-Susceptibility of neonatal feline telencephalic white matter to endotoxin.
- PO1HD-06276-03 0086 (HDMR) GILLES, FLOYD H. Mental retardation research program-Proneuroin glial cell (Macaca).
- PO1HD-06276-03 0087 (HDMR) WOLFF, PETER H. Mental retardation research program-Vasomotor responsiveness to vasodilation.
- PO1HD-06276-03 0088 (HDMR) BRAZELTON, T S. Mental retardation research program-Child development unit (human).
- PO1HD-06276-03 0089 (HDMR) NEEDLEMAN, HERBERT L. Mental retardation research program-Subclinical lead exposure (children).
- PO1HD-06276-03 0090 (HDMR) PUBSCHEL, SIEGFRIED. Mental retardation research program-Down's syndrome-5-hydroxy tryptophan (human).
- RO1HD-06278-04 (DBR) ROBINSON, DANIEL N. GEORGETOWN UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, WASHINGTON, D C. Neuropsychological assessments of child development.
- RO1HD-06279-03 (POP) CLIGNET, REAMI P. NORTHWESTERN UNIVERSITY, DEPT OF SOCIOLOGY, EVANSTON, ILL. Fertility extended familism and lifestyle in Cameroun.
- RO1HD-06281-03 (POP) REEDER, LEO G. UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, LOS ANGELES, CALIF. Change of attitudes toward population policy issues.
- RO1HD-06282-03 (CBY) BERLOWITZ, LAURENCE, STATE UNIVERSITY OF NEW YORK, 3435 MAIN ST, BUFFALO, N Y. Macromolecular interactions during nuclear differentiation (animals).
- RO1HD-06284-03 (BND) KOWARSKI, AVINOAM, JOHNS HOPKINS HOSPITAL, CMSC 3-110, BALTIMORE, MD. Production rate of HGH and other hormones in growth (human).
- RO1HD-06285-03 (GEN) GERRALD, PARK S. CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Genetic studies of lysosomal disorders (human).
- RO1HD-06290-01 (HED) BALLE, MICHAEL D. MICHIGAN STATE UNIVERSITY, DEPT OF HUMAN DEVELOPMENT, EAST LANSING, MICH. Anatomical and functional development of the kidney (dogs).
- RO1HD-06291-03 (MET) TILDON, J TYSON, UNIVERSITY OF MARYLAND HOSP, 22 SOUTH GREENE STREET, BALTIMORE, MD. Ketone metabolism in developmental homeostasis (rats, swine, human).
- RO1HD-06308-03 (BND) ROSENFELD, ROBERT L. UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Free plasma sex hormone and androgen action (human).
- RO1HD-06311-03 (HED) BRUMLEY, GEORGE W. DUKE HOSPITAL, POST OFFICE BOX 2911, DURHAM, N C. Lung lecithin synthesis-normal and asphyxial (sheep, rats).
- RO1HD-06313-03 (HED) FABER, JAN J. UNIVERSITY OF OREGON MED SCH, 3181 SW SAM JACKSON PARK RD, PORTLAND, OREG. Convection and diffusion in the vertebrate embryo (chick embryo, rats).
- RO1HD-06314-03 (HED) KATONA, PETER G. CASE WESTERN RESERVE UNIV, 505 WICKENDEN BLDG, CLEVELAND, OHIO. Crib death and development of cardio-pulmonary reflexes (human).
- RO1HD-06315-03 (REB) SCHUMACHER, GEBHARD F. UNIVERSITY OF CHICAGO, 5841 MARYLAND AVE, CHICAGO, ILL. Proteases in sperm and seminal fluid (human, monkeys).
- RO1HD-06316-03 (REB) STEINBERGER, EMIL, UNIV OF TEXAS MED SCH AT HOUST, 102 JESSE H JONES LIBRARY BLD, HOUSTON, TEX. Gonado-pituitary axis in the rat.
- PO1HD-06321-02 (HDPB) DAVIDSON, RONALD G. CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N Y. Genetic aspects of human fetal development.
- PO1HD-06321-02 0001 (HDPB) RATAZZI, MARIO C. Genetic aspects of human fetal development-inherited metabolic diseases in the fetus (human, dogs).
- PO1HD-06321-02 0002 (HDPB) MUKHERJEE, ANIL B. Genetic aspects of human fetal development-Development and differentiation in early mammalian embryos (human, rats).
- PO1HD-06321-02 0003 (HDPB) COHEN, MAIMON M. Genetic aspects of human fetal development-Cytogenetics and prenatal development (human).
- PO1HD-06321-02 0004 (HDPB) YAFFE, SUMMER J. Genetic aspects of human fetal development-Role of drugs in the fetal environment (human).
- PO1HD-06321-02 0005 (HDPB) OGRA, PEARAY, L. Genetic aspects of human fetal development-Characterization of the immune system in the developing fetus (human).
- PO1HD-06321-02 0007 (HDPB) KREMER-BIRNBAUM, MARTHA. Genetic aspects of human fetal development-Antenatal detection of disorders of porphyrin metabolism (human).
- PO1HD-06323-03 (HDAG) CRISTOFALO, VINCENT J. WISTAR INSTITUTE, 36TH & SPRUCE STREET, PHILADELPHIA, PA. Cellular senescence and control of cell proliferation.
- PO1HD-06323-03 0001 (HDAG) HOYER, BILL H. Cellular senescence and control of cell proliferation-Transcription in transformed and diploid cells (human, SV 40 virus).
- PO1HD-06323-03 0002 (HDAG) SABATINI, DAVID D. Cellular senescence and control of cell proliferation-Translation and macromolecular turnover in cellular aging (human, SV40).
- PO1HD-06323-03 0002 (HDAG) CRISTOFALO, VINCENT J. Cellular senescence and control of cell proliferation-Protein function and its modification by hormones and growth factors (human).
- PO1HD-06323-03 0004 (HDAG) BRANDES, DAVID. Cellular senescence and control of cell proliferation-Nutritional and digestive function of normal and transformed cells (human).
- PO1HD-06323-03 0005 (HDAG) MOORHEAD, PAUL S. Cellular senescence and control of cell proliferation-Genetic factors and aging of cultured somatic cells (human).
- PO1HD-06323-03 0006 (HDAG) DIAMOND, LEILA. Cellular senescence and control of cell proliferation-Transformation studies (human SV40).
- PO1HD-06323-03 0007 (HDAG) NICHOLS, W. Cellular senescence and control of cell proliferation-Genetic factors and aging of cultured somatic cells (human, deer).
- RO1HD-06331-03 (GEN) LEWIS, EDWARD B. CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Genetic control of developmental pathways (Drosophila).
- RO1HD-06333-02 (HED) RANKIN, JOHN H. UNIVERSITY OF WISCONSIN, 470 NORTH CHARTER STREET, MADISON, WIS. Cross-flow exchange in the mammalian placenta (sheep, monkeys).
- RO1HD-06334-03 (HED) BARRETT, PETER V. HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Regulation of neonatal serum bilirubin concentration (human, rats, dogs).
- RO1HD-06337-03 (HED) KLEMMAN, LEONARD I. UNIVERSITY OF CINCINNATI, DEPT OF PEDIATRICS, CINCINNATI, OHIO. Blood flow distribution in the neonatal kidney (dogs).
- RO1HD-06341-01 (HED) ADAMS, FORREST H. UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Respiratory distress syndrome in lambs.
- RO1HD-06343-03 (EDC) MILLS, NORMAN J. UNIVERSITY COLLEGE, 4 STEPHENSON WAY, LONDON, N W 1, ENGLAND. Growth and development of Melanesian children.
- RO1HD-06351-03 (MCHA) MANNING, MAURICE, MED COLLEGE OF OHIO AT TOLEDO, 945 S DETROIT AVENUE, TOLEDO, OHIO. Neurohypophysial hormones-Structure-activity and physia.
- RO1HD-06353-03 (MET) JONES, THOMAS C. NEW ENGLAND REGNAL PRIMATE CTR, HARVARD MEDICAL SCHOOL, SOUTHBOROUGH, MASS. Inherited metabolic disorders.
- RO1HD-06353-03 0001 (MET) JONES, THOMAS C. Inherited metabolic disorders-Screening of primates for metabolic disorders.
- RO1HD-06353-03 0002 (MET) JONES, THOMAS C. Inherited metabolic disorders-Detecting and breeding possible carriers of PKU gene in simians.
- RO1HD-06353-03 0003 (MET) JONES, THOMAS C. Inherited metabolic disorders-Arginase deficient monkeys.
- RO1HD-06355-03 (MET) PAGLIARA, ANTHONY S. ST LOUIS CHILDRENS HOSPITAL, 500 S KINGSHIGHWAY, ST LOUIS, MO. Etiology of hypoglycemia in infants and children (human, rats).
- RO1HD-06356-03 (MET) ERBE, RICHARD W. MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS. Folate metabolism and mental retardation (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HD-06360-02 (MED) KOSZALKA, THOMAS R, THOMAS JEFFERSON UNIVERSITY, 920 CHANCELLOR STREET, PHILADELPHIA, PA. Embryologic aspects of creatine metabolism (guinea pigs, rats).
- RO1HD-06362-03 (REB) BAGGETT, BILLY, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Nucleotide metabolism in the decidua uteri (mice).
- PO1HD-06364-03 (HDMR) RESNICK, OSCAR, WORCESTER FDN EXP BIOLOGY, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Maternal protein restriction and mental retardation.
- PO1HD-06364-03 0001 (HDMR) RESNICK, OSCAR. Maternal protein restriction and mental retardation-Biogenic amines (rats).
- PO1HD-06364-03 0002 (HDMR) MILLER, SANFORD A. Maternal protein restriction and mental retardation-Pre- and post-natal malnutrition and brain protein metabolism (rats).
- PO1HD-06364-03 0003 (HDMR) MORGANE, PETER J. Maternal protein restriction and mental retardation-Electrophysiological indices of brain mal-function (rats).
- PO1HD-06364-03 0004 (HDMR) KEMPER, THOMAS L. Maternal protein restriction and mental retardation-Histoanatomic effects of protein deprivation of brain (rats).
- PO1HD-06364-03 0005 (HDMR) MCKEABNEY, JAMES W. Maternal protein restriction and mental retardation-Behavior analysis (rats).
- RO1HD-06367-03 (EXP) MASON, WILLIAM A, UNIVERSITY OF CALIFORNIA, PRIMATE RESEARCH CENTER, DAVIS, CALIF. Psychosocial development.
- RO1HD-06371-03 (REB) ESPEY, LAWRENCE L, TRINITY UNIVERSITY, 715 STADNUM DRIVE, SAN ANTONIO, TEX. Dynamics of ovulation (rabbits, swine).
- RO1HD-06374-02 (REB) DIRKSEN, ELLEN R, UNIVERSITY OF CALIFORNIA, CANCER RES INSTIT, SAN FRANCISCO, CALIF. Development, composition and function of oviduct cilia (mice).
- RO1HD-06380-03 (REB) VAN ORDEN, LUCAS S, 3D, UNIVERSITY OF IOWA, DEPT OF PHARMACOLOGY, IOWA CITY, IOWA. Biogenic amines in ovulation and implantation (rats).
- RO1HD-06387-03 (REB) MAUDSLEY, DAVID V, WORCESTER FDN FOR EXP BIOL INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Polyamine metabolism in reproductive physiology (rats).
- RO1HD-06380-03 (CBY) BROWN, JAY C, UNIVERSITY OF VIRGINIA, DEPT OF MICROBIOLOGY, CHARLOTTESVILLE, VA. Role of the cell surface in cancer and embryology (human, chick embryo, mice).
- RO1HD-06392-03 (CBY) NAMEROFF, MARK A, UNIVERSITY OF WASHINGTON, DEPT OF BIOLOGICAL STRUCTURE, SEATTLE, WASH. Microenvironmental control of myogenesis (chick embryo).
- RO1HD-06406-03 (MED) MARTIN, CHESTER B, JR, WOMEN'S HOSPITAL, 1200 N STATE STREET, LOS ANGELES, CALIF. Regulation of uterine blood flow (monkeys).
- RO1HD-06410-03 (MED) KRONFELD, DAVID S, NEW BOLTON CENTER, R D 1, KENNETT SQUARE, PA. Placental transport and perinatal disorders (sheep, cows, guinea pigs).
- RO1HD-06413-01 (MED) DREHER, THEODORE, CHILDREN'S HOSP MED CTR, 300 LONGWOOD AVE, BOSTON, MASS. Preterm infant biorhythms-Interaction and development (human).
- RO1HD-06415-03 (MED) ENDERS, ALLEN C, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Cytology of placental function (human, mammals).
- RO1HD-06416-03 (MED) ELSAS, LOUIS J, EMORY UNIVERSITY SCHOOL OF MED, 753 A WOODRUFF MEMORIAL BLDG, ATLANTA, GA. Antenatal diagnosis of inherited amino acid disorders (human).
- RO1HD-06419-03 (END) CHATTERTON, ROBERT T, JR, UNIVERSITY OF ILLINOIS, 840 SOUTH WOOD ST, CHICAGO, ILL. Hormonal control of lactogenesis (rats).
- RO1HD-06420-03 (EXP) FORRESTER, WILLIAM E, STATE UNIVERSITY COLLEGE, PSYCHOLOGY DEPT, OSWEGO, N Y. Cognitive processes in verbal learning tasks.
- RO1HD-06422-03 (MBY) JONES, DAVID H, ALBANY MEDICAL COLLEGE, NEW SCOTLAND AVENUE, ALBANY, N Y. Mitochondrial biogenesis in the mammary explant (mice).
- RO1HD-06425-03 (MET) BEATTY, CLARISSA H, OREGON REG PRIMATE RES CTR, 505 N W185TH AVENUE, BEAVERTON, OREG. Subcellular metabolism in fetal and adult Rhesus muscle.
- RO1HD-06426-03 (NEUA) DAWSON, GLYN, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Glycosphingolipid metabolism and mental retardation (human).
- RO1HD-06429-02 (DBR) FAGAN, JOSEPH F, 3D, CASE WESTERN RESERVE UNIV, 11416 BELLFLOWER ROAD, CLEVELAND, OHIO. Infant visual recognition memory.
- RO1HD-06438-02 (POP) TRIBMAN, DONALD, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, 7TH FLOOR, NEW YORK, N Y. Female occupational structure-determinants and trends.
- RO1HD-06441-03 (BIO) TOLBERT, N EDWARD, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Peroxisomes in developing liver and kidney (dogs, pigs, rats).
- RO1HD-06445-03 (CBY) RIKMENSPOEL, ROBERT, SUNY - AT ALBANY, DEPT OF BIOLOGICAL SCI, ALBANY, N Y. Mechanisms in flagellar and ciliary motion (marine and fresh water).
- RO1HD-06446-03 (CBY) KARFUNKEL, PERRY R, AMHERST COLLEGE, DEPARTMENT OF BIOLOGY, AMHERST, MASS. Cell adhesiveness as a parameter in neurulation (frogs, newts, chick embryo).
- RO1HD-06447-02 (CBY) PRZYBYLSKI, RONALD J, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Regulation of development of skeletal muscle (chick embryo).
- RO1HD-06448-03 (CBY) HALLBERG, RICHARD L, CORNELL UNIVERSITY, 303 BRADFIELD HALL, ITHACA, N Y. DNA and protein metabolism during oogenesis (amphibians).
- RO1HD-06457-02 (DBR) BEAN, JOAN P, UNIVERSITY OF MASSACHUSETTS, PSYCHOLOGY DEPARTMENT, AMHERST, MASS. Imposed and induced learning activities of children.
- RO1HD-06458-02 (GMB) TSANG, REGINALD C, UNIVERSITY OF CINCINNATI, DEPT OF PEDIATRICS, CINCINNATI, OHIO. Neonatal mineral metabolism.
- RO1HD-06461-03 (GEN) GAREN, ALAN, YALE UNIVERSITY, BOX 1937 YALE STATION, NEW HAVEN, CONN. Developmental defects in Drosophila mutants.
- RO1HD-06463-03 (MAB) STREHM, E RICHARD, UCLA CENTER FOR HEALTH SCI, DEPT OF PEDIATRICS, LOS ANGELES, CALIF. Phagocytic and opsonic deficiencies in human newborns.
- RO1HD-06465-02 (MED) ZEMAN, FRANCIS J, UNIVERSITY OF CALIFORNIA, DEPT OF NUTRITION, DAVIS, CALIF. Intestinal absorption and fetal growth retardation (human, rats).
- RO1HD-06467-03 (MED) YOSHINAGA, KOJI, HARVARD MEDICAL SCHOOL, 45 SHATTUCK STREET, BOSTON, MASS. Role of feto-placental unit in maintenance of pregnancy (rats, monkeys).
- RO1HD-06468-01 (MED) JOHNSON, LOIS M, PENNSYLVANIA HOSPITAL, 8TH & SPRUCE STREETS, PHILADELPHIA, PA. Bilirubin toxicity-Metabolic effects of phototherapy (rats).
- RO1HD-06470-03 (MBY) HECHTER, OSCAR M, NORTHWESTERN UNIV MED SCHOOL, 303 E CHICAGO AVENUE, CHICAGO, ILL. Estragen and androgen action in reproductive organs (rats, rabbits, human, cattle).
- RO1HD-06475-01 (MET) GREENBERG, ROBERT E, CHARLES R DREW POSTGRADUATE, MEDICAL SCHOOL, LOS ANGELES, CALIF. Carbohydrate and lipid metabolism during development.
- RO1HD-06475-01 0001 (MET) GREENBERG, ROBERT E. Carbohydrate and lipid metabolism during development-Regulation of blood glucose concentration by the fetus (rats).
- RO1HD-06475-01 0002 (MET) GREENBERG, ROBERT E. Carbohydrate and lipid metabolism during development-Factors involved in initiation of gluconeogenesis (rat fetus).
- RO1HD-06475-01 0003 (MET) GREENBERG, ROBERT E. Carbohydrate and lipid metabolism during development-Gluconeogenesis regulation during extrauterine adaptation (rats).
- RO1HD-06475-01 0004 (MET) GREENBERG, ROBERT E. Carbohydrate and lipid metabolism during development-Unique aspects of triglyceride synthesis in brown fat (rats).
- RO1HD-06477-03 (PC) WONO, TING-WA, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Effect of thyroxine on tRNA metabolism of the brain (rats).
- RO1HD-06478-03 (END) TOWNSEND, LLOYD, DEPT OF PHARMACOLOGY, CASE WESTERN RESERVE UNIV, CLEVELAND, OHIO. In vitro studies of progestational steroids (human, mammals).
- RO1HD-06481-03 (REB) HAMILTON, TERRELL H, UNIVERSITY OF TEXAS, DEPT OF ZOOLOGY, AUSTIN, TEX. RNA and protein synthesis in the mammalian oviduct (rabbits, rodents).
- RO1HD-06486-02 (REB) CONNELL, GERALD M, UNIVERSITY OF CALIFORNIA, DONNER LABORATORY, BERKELEY, CALIF. Augmented steroidogenesis by testis slices (rabbits).
- RO1HD-06489-03 (REB) RINARD, GILBERT A, EMORY UNIVERSITY, PHYSIOLOGY DEPT, ATLANTA, GA. Cyclic AMP in female reproductive hormone action (human, rats).
- RO1HD-06491-03 (REB) YOUNG, LEONA G, EMORY UNIVERSITY, DEPT OF PHYSIOLOGY, ATLANTA, GA. Mammalian spermatozoan motility (bulls).
- RO1HD-06513-03 (REB) BIRNBAUMER, LUTZ, NORTHWESTERN UNIV MED SCH, 303 E CHICAGO AVENUE, CHICAGO, ILL. Prostaglandin and LH action in corpus luteum (rats, rabbits, swine).
- RO1HD-06514-03 (TMF) SIAKOTOS, ARISTOTLE N, INDIANA UNIV MEDICAL CENTER, 1100 W MICHIGAN STREET, INDIANAPOLIS, IND. Developmental changes in Diptera lipopigments.
- RO1HD-06519-02 (DBR) SALTZSTEIN, HERBERT D, H H LEHMAN COLLEGE (CUNY), BEDFORD PARK BOULEVARD WEST, BRONX, N Y. Social influence on children's standards.
- RO1HD-06525-04 (PC) GROVES, WILLIAM E, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE ST, CHARLESTON, S C. Hormonal mechanisms regulating growth and development (human placenta).
- RO1HD-06526-03 (MED) WILSON, JAMES G, CHILDREN'S HOSP RES FOUNDATION, ELLAND AVE & BETHESDA, CINCINNATI, OHIO. Cell death and reduced biosynthesis in teratogenesis (rats).
- RO1HD-06527-02 (REB) FARNER, DONALD S, UNIVERSITY OF WASHINGTON, DEPT OF ZOOLOGY, SEATTLE, WASH. Control of testicular function (birds).
- RO1HD-06532-01 (REB) MC GAUGHNEY, ROBERT W, DEPARTMENT OF ZOOLOGY, ARIZONA STATE UNIVERSITY, TEMPE, ARIZ. Analysis of mammalian ovarian follicular fluids (swine, rabbits).
- RO1HD-06538-03 (BIO) JONES, MARY E, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Carbamyl enzymes and differentiation (bacteria, rats).
- RO1HD-06543-03 (MED) SAXENA, BRIJ B, CORNELL UNIVERSITY MED COLLEGE, 1300 YORK AVENUE, NEW YORK CITY, N Y. Pituitary gonadotropic and growth hormones (human, animals).
- RO1HD-06546-03 (MED) MACKLER, BRUCE, UNIVERSITY OF WASHINGTON, DEPT OF PEDIATRICS, SEATTLE, WASH. Etiology of achondroplasia in man and mammals (rabbits).
- RO1HD-06550-03 (MED) KOCHHAR, DEVENDRA M, UNIVERSITY OF VIRGINIA, DEPT OF ANATOMY, CHARLOTTESVILLE, VA. Mechanisms underlying experimental teratogenesis (mice).
- RO1HD-06554-01 (MED) BARTOLUCCI, LOUIS, CHILDREN'S HOSPITAL, 3700 CALIFORNIA STREET, SAN FRANCISCO, CALIF. Growth of the human fetus-Longitudinal study.
- RO1HD-06555-01 (REB) ARIMURA, AKIRA, TULANE UNIVERSITY SCH OF MED, 1430 TULANE AVENUE, NEW ORLEANS, LA. Physiological studies on LH-releasing hormone (animals).
- RO1HD-06556-03 (REB) MEAD, RODNEY A, UNIVERSITY OF IDAHO, DEPT OF BIOLOGICAL SCI, MOSCOW, IDAHO. Hormonal control of delayed implantation (skunks).
- RO1HD-06565-07 (MBY) GIBBONS, IAN R, UNIVERSITY OF HAWAII, 1960 EAST-WEST ROAD, HONOLULU, HAWAII. Structural basis of spermatozoan motility (sea urchins, cattle).
- RO1HD-06571-03 (END) BILLUMA, JAMES A, WAYNE STATE UNIV SCH OF MED, 540 E CANFIELD, DETROIT, MICH. Hormonal control of metabolism in the mammary gland (mice).
- RO1HD-06572-02 (EXP) GANDELMAN, RONALD J, RUTGERS COLLEGE, 73 EAST-ON AVENUE, NEW BRUNSWICK, N J. The prediction and elicitation of maternal behavior (mice).
- RO1HD-06573-03 (MED) HAMNER, CHARLES E, JR, UNIVERSITY OF VIRGINIA, MEDICAL SCHOOL BOX 179, CHARLOTTESVILLE, VA. Oviduct factors responsible for blastocyst development (rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01HD-06574-04 (MBY) HUMPHREYS, TOM D. UNIVERSITY OF HAWAII, 41 AHI STREET, HONOLULU, HAWAII. Developmental regulation of macromolecular metabolism.
- R01HD-06575-02 (MET) MOWBR, GRANT, 3D, UNIVERSITY OF ARIZONA MED CTR, DEPARTMENT OF PEDIATRICS, TUCSON, ARIZ. Metabolic studies in methylmalonic acidemia (human, rats).
- P01HD-06576-01 (HDMR) POPJAK, GEORGE J, THE NEUROPSYCHIATRIC INSTITUTE, UNIV OF CALIFORNIA LOS ANGELES, LOS ANGELES, CALIF. Molecular aspects of mental retardation.
- P01HD-06576-01 0081 (HDMR) CEDERRAUM, STEPHEN D. Molecular aspects of mental retardation—Metabolic diseases in relation to mental retardation and childhood autism.
- P01HD-06576-01 0002 (HDMR) KARK, R A PIETER. Molecular aspects of mental retardation—Effects of mercurials on neural metabolism and development (human, animals).
- P01HD-06576-01 0003 (HDMR) BLASS, JOHN. Molecular aspects of mental retardation—Disorders of pyruvate metabolism (human, animals).
- P01HD-06576-01 0004 (HDMR) EDMOND, JOHN. Molecular aspects of mental retardation—Metachromatic leulodystrophy and transferrase deficiency galactosemia (human).
- P01HD-06576-01 0005 (HDMR) AYLING, JUNE. Molecular aspects of mental retardation—Characterization of the genetic lesion in phenylketonuria (human, rats).
- P01HD-06576-01 0006 (HDMR) HAGGERTY, DONALD P. Molecular aspects of mental retardation—The phenylalanine hydroxylase gene—Cell culture and somatic hybridization (rats).
- P01HD-06576-01 0007 (HDMR) POPJAK, GEORGE J. Molecular aspects of mental retardation—Sterol esters in CNS in relation to myelination—Ketone bodies in metabolism.
- R01HD-06579-02 (END) KENNEDY, MARGARET W, ALBANY MED COLL OF UNION UNIV, NEW SCOTLAND AVENUE, ALBANY, N Y. Local control of progesterone levels in pregnancy (human, animal).
- R01HD-06580-02 (END) NUTTING, DAVID F, 800 MADISON AVENUE, MEMPHIS, TENN. Ontogeny of sensitivity to growth hormone (mice).
- R01HD-06589-03 (POP) GOUGH, HARRISON G, UNIVERSITY OF CALIFORNIA, 2240 PIEDMONT AVENUE, BERKELEY, CALIF. Personality and attitude factors in birth planning.
- R01HD-06599-03 (MET) BOWDEN, JOE A, LOUISIANA STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, BATON ROUGE, LA. Inhibition of myelinogenesis in genetic diseases (rats, mice, human).
- R01HD-06600-03 (REB) BOGDANOVIC, EMANUEL M, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Endocrine-influencing center in the hypothalamus (rats).
- R01HD-06604-02 (POP) WIARDA, HOWARD J, DEPARTMENT OF POLITICAL SCIENC, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. The politics of population policy in Latin America.
- R01HD-06605-02 (EXP) HALE, GORDON A, EDUCATIONAL TESTING SERVICE, PRINCETON, N J. Developmental studies of selective attention.
- R01HD-06611-03 (PHRB) YAFFE, SUMNER J, CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N Y. Therapeutic usage of drugs in infants and children.
- R01HD-06612-01 (POP) DE JONG, GORDON F, 107 BURROWES BUILDING, PENNSYLVANIA STATE UNIV, UNIVERSITY PARK, PA. Population redistribution policies (human).
- R01HD-06619-02 (HED) CREASY, ROBERT K, UNIVERSITY OF CALIFORNIA, DEPT OF OBSTETRICS/GYNECOLOGY, SAN FRANCISCO, CALIF. Pathophysiology of fetal growth retardation (sheep).
- R01HD-06621-03 (EXP) TAMARIN, ROBERT H, BOSTON UNIVERSITY, 2 CUMMINGTON STREET, BOSTON, MASS. Population biology (voles).
- R01HD-06633-02 (END) BRYANT, GILJIAN D, BIOMEDICAL SCIENCES BUILDING, 1960 EAST WEST ROAD, HONOLULU, HAWAII. Radioimmunoassay of relaxin and its applications (human, sheep).
- R01HD-06634-01 (GEN) HAMBURGER, ROBERT N, DEPT OF PEDIATRICS, UNIV OF CALIFORNIA SAN DIEGO, LA JOLLA, CALIF. Development and genetics of IgE and allergy (human).
- R01HD-06637-03 (HED) PETERSON, EDWARD N, MAGEE-WOMENS HOSPITAL, FORBES AND HALKET STREETS, PITTSBURGH, PA. Maternal anemia, placental circulation, and fetal growth (sheep).
- R01HD-06642-03 (REB) MILLS, THOMAS M, MEDICAL COLLEGE OF GEORGIA, DEPARTMENT OF ENDOCRINOLOGY, AUGUSTA, GA. Metabolism of the preovulatory follicle (rabbits).
- P01HD-06644-03 (HDAG) ROTHSTEIN, MORTON, STATE UNIV OF NEW YORK, BIOLOGY DEPT, BUFFALO, N Y. Aging in a nematode model system.
- P01HD-06644-03 0081 (HDAG) ROTHSTEIN, MORTON. Aging in a nematode model system—Culture center.
- P01HD-06644-03 0002 (HDAG) ROTHSTEIN, MORTON. Aging in a nematode model system—Changes in enzymes.
- P01HD-06644-03 0004 (HDAG) ROSE, NOEL R. Aging in a nematode model system—Immunochemical approaches (rabbits).
- P01HD-06644-03 (HDPR) GREPP, ROY O, LAB HUMAN REPD & REPD BIOLOGY, 45 SHATTUCK STREET, BOSTON, MASS. Center for population research.
- P01HD-06644-03 0001 (HDPR) GREPP, ROY O. Center for population research—Physiological regulation of the female reproductive system.
- P01HD-06645-03 0002 (HDPR) BEHRMAN, HAROLD R. Center for population research—Corpus luteum function.
- P01HD-06645-03 0003 (HDPR) YOSHINAGA, K. Center for population research—Hormones, implantation, pregnancy (monkeys).
- P01HD-06645-03 0004 (HDPR) MACDONALD, GORDON J. Center for population research—Effect of pituitary and placental gonadotropins on ovary (monkeys).
- P01HD-06645-03 0005 (HDPR) MOYLE, WILLIAM R. Center for population research—Role of LH and cyclic AMP in cholesterol ester hydrolysis.
- P01HD-06645-03 0006 (HDPR) DEMERS, LAURENCE M. Center for population research—Hormonal regulation of carbohydrate metabolism enzymes in reproductive tissue.
- P01HD-06645-03 0007 (HDPR) YING, S Y. Center for population research—Steroidal regulation of ovulation (rats).
- P01HD-06645-03 0003 (HDPR) MAKINO, Y. Center for population research—Action of hypophysiotropic hormones on the anterior pituitary (rabbits).
- P01HD-06343-03 0009 (HDPR) RAJ, M. Center for population research—Role of gonadotropins in pregnancy and in spermatogenesis (monkeys, sheep).
- P01HD-06645-03 0010 (HDPR) MEISTER, R. Center for population research—Control of the estrus cycle (guinea pigs).
- P01HD-06645-03 0011 (HDPR) CLAYCOMB, WILLIAM C. Center for population research—Regulation of nucleic acids, enzymes during differentiation (sea urchin).
- P01HD-06445-03 0012 (HDPR) FENCL, M M. Center for population research—Effects of estrogens on the prostate and seminal vesicles (rats).
- P01HD-06645-03 0013 (HDPR) FOTRELL, PATRICK P. Center for population research—Effects of sex steroids on enzymes of the uterine lining.
- P01HD-06645-03 0014 (HDPR) GABBE, STEVEN G. Center for population research—Effects of hypoxia on placental and fetal tissue in organ culture (human).
- P01HD-06645-03 0015 (HDPR) GRIGORESCU, A. Center for population research—Hormone action on RNA synthesis in prostate and seminal vesicle.
- P01HD-06645-03 0016 (HDPR) LI, JONATHAN. Center for population research—RNA produced in response to androgens and estrogens (mammals, chick embryo).
- P01HD-06645-03 0017 (HDPR) OMELIA, ANNE F. Center for population research—Control of differentiation of the eukaryotic cell (sea urchins, amphibians).
- P01HD-06645-03 0018 (HDPR) TALLEY, DEANNA J. Center for population research—Effects of estradiol on hypothalamus (mammals nonhuman).
- P01HD-06645-03 0019 (HDPR) WILSON, MICHAEL. Center for population research—Increase of ribosome formation after estrogen stimulation of the uterus.
- P01HD-06645-03 0020 (HDPR) VILLE, CLAUDE A. Center for population research—Role of RNA in mediating effects of sex hormones.
- P01HD-06645-03 0021 (HDPR) FAWCETT, DON W. Center for population research—Histophysiology and ultrastructure of testis and spermatogenesis (monkeys).
- P01HD-06645-03 0022 (HDPR) HAMILTON, DAVID W. Center for population research—Epididymis and vas deferens histophysiology and biochemistry (mammals nonhuman).
- P01HD-06645-03 0023 (HDPR) TAYMOR, MELVIN L. Center for population research—Endocrine control of oocyte maturation and of normal menstrual cycle (human).
- P01HD-06645-03 0024 (HDPR) BERGER, MERLE J. Center for population research—Endocrine control of oocyte maturation (human).
- P01HD-06645-03 0025 (HDPR) THOMPSON, IRWIN E. Center for population research—Hormonal interrelationships in normal menstrual cycle (human).
- P01HD-06645-03 0026 (HDPR) SANYAL, M. K. Center for population research—Effects of progesterone and its metabolites on estrus (rats).
- P01HD-06645-03 0027 (HDPR) LERMAN, SUSAN E. Center for population research—Purification and function of hypothalamic peptides.
- P01HD-06645-03 0028 (HDPR) PORTER, DAVID G. Center for population research—Uterus physiology, smooth muscle of male and female reproductive tract.
- P01HD-06645-03 0029 (HDPR) PARR, EARL L. Center for population research—Action of IUD and ovulation (human, mice).
- P01HD-06645-03 0030 (HDPR) ANDERSON, EVERETT. Center for population research—Comparative oogenesis.
- P01HD-06645-03 0031 (HDPR) STERN, SAMUEL. Center for population research—Preimplantation embryo, maternal fluids (mice).
- P01HD-06645-03 0032 (HDPR) BIGGERS, JOHN D. Center for population research—Energy metabolism of preimplantation embryos (mice).
- P01HD-06645-03 0033 (HDPR) BELIVE, ANTHONY R. Center for population research—Cell cycle of preimplantation embryos (mice, rabbits).
- P01HD-06645-03 0034 (HDPR) MARCUS, GEORGE J. Center for population research—Endometrial determinants in nidation (rats, guinea pigs, human).
- P01HD-06645-03 0035 (HDPR) OLDS, PATRICIA J. Center for population research—Fertilization pattern after bursal insemination (mice).
- P01HD-06645-03 0086 (HDPR) SMITH, ARLAN E S. Center for population research—Preimplantation embryo (mice).
- P01HD-06645-03 0037 (HDPR) SMITH, DIANNE. Center for population research—Effect of steroids on RNA and protein synthesis (mice, monkeys, human).
- P01HD-06645-03 0088 (HDPR) SNYDER, BENJAMIN W. Center for population research—Role of gonadotropins and steroid hormones (amphibians, mammals).
- P01HD-06645-03 0039 (HDPR) SORENSEN, RALPH A. Center for population research—Early expression of the genome (mammals).
- P01HD-06645-03 0040 (HDPR) NEKOLA, MARY V. Center for population research—Development of luteal cells from follicular cells, in vitro.
- R01HD-06343-03 (DBR) VANDENBERG, STEVEN G, UNIVERSITY OF COLORADO, DEPT OF PSYCHOLOGY, BOULDER, COLO. A family study of the genetics of special abilities.
- R01HD-06600-03 (EXP) GALBRAITH, GARY C, PACIFIC STATE HOSPITAL, P O BOX 100, POMONA, CALIF. Electrophysiology studies in mental retardation.
- R01HD-06650-03 0001 (EXP) GUIDOON, JACK B. Electrophysiology studies in mental retardation—Sensory evoked response (human).
- R01HD-06630-03 0002 (EXP) GALBRAITH, GARY C. Electrophysiology studies in mental retardation—Development of EEG and SER patterns (human).
- R01HD-06650-03 0003 (EXP) BUSK, JYTTE. Electrophysiology studies in mental retardation—EEG and sensory-motor training (human).
- R01HD-06486-02 (REB) MENON, K JAYARAM, UNIVERSITY OF MICHIGAN, 1405 EAST ANN STREET, ANN ARBOR, MICH. Regulation of corpus luteum function by gonadotropins (cattle).
- R01HD-06663-01 (REB) METZ, CHARLES B, UNIVERSITY OF MIAMI, 521 ANASTASIA AVENUE, CORAL GABLES, FLA. Mammalian sperm antigens involved in reproduction.
- R01HD-06664-02 (REB) GAY, VERNON L, UNIVERSITY OF PITTSBURGH, DEPT OF PHYSIOLOGY, PITTSBURGH, PA. Physiologic significance of LRF in reproduction (rats, sheep).
- R01HD-06663-01 (DBR) RAMEY, CRAIG T, FRANK P GRAHAM CHILD DEV CTR, HIGHWAY 54 BYPASS WEST, CHAPEL HILL, N C. Carolina infant vocalization project.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01HD-06669-02 (DBR) ASHTON, GEOFFREY C, UNIVERSITY OF HAWAII, 1960 EAST WEST ROAD, HONOLULU, HAWAII 96822. Genetic and environmental bases of human cognition.	R01HD-06779-03 (MET) KAPLAN, SOLOMON A, CENTER FOR THE HEALTH SCIENCES, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Enzymic differentiation in the fetus and newborn (rats, human).
R01HD-06672-03 (END) LOBL, RICHARD T, UNIVERSITY OF CONNECTICUT, 1280 ASYLUM AVENUE, HARTFORD, CONN. Alterations in the mechanism of estrogen action (rats).	R01HD-06781-03 (EXP) MALLER, OWEN, UNIVERSITY OF PENNSYLVANIA, 3500 MARKET STREET, PHILADELPHIA, PA. Taste sensitivity in the human infant.
R22HD-06682-03 (SSS) WINICK, MYRON, COLUMBIA UNIVERSITY, 630 WEST 168TH ST, NEW YORK, N. Y. Nutrition and cell growth during brain development (human, rats).	R01HD-06787-01 (REB) JACKSON, GARY L, UNIVERSITY OF ILLINOIS, COLLEGE OF VETERINARY MED, URBANA-CHAMPAIGN, ILL. Neuroendocrine control of gonadotropin secretion (sheep, rats).
R01HD-06683-01 (CBY) OZAKI, HIRONOBU, DEPARTMENT OF ZOOLOGY, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Role of chromatin embryonic determination (sea urchin).	R01HD-06788-03 (REB) BLACK, DONALD L, PAIGE LABORATORY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Neural-endocrine control of the oviduct (rabbits).
R01HD-06695-03 (REB) CRABO, BO G, UNIVERSITY OF MINNESOTA, 130 HAECKER HALL, ST PAUL, MINN. Physiology of sperm maturation (boar, human).	R01HD-06792-03 (POP) ROSENBERG, BENJAMIN G, BOWLING GREEN STATE UNIV, DEPT OF PSYCHOLOGY, BOWLING GREEN, OHIO. Effect of sibling position on fertility rates (human).
R01HD-06698-01 (REB) MEIZEL, STANLEY, SCHOOL OF MEDICINE, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Biochemical studies of in vitro sperm capacitation (hamsters).	R01HD-06799-01 (HED) CHATTORAJ, SATI C, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Corticosteroids in the fetoplacental unit (human).
R01HD-06701-03 (REB) ODELL, WILLIAM D, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, B-S, TORRANCE, CALIF. Mechanisms of puberty (rats).	R01HD-06809-02 (END) FORBES, GILBERT B, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Hormone levels and body composition in adolescence (human).
R01HD-06702-03 (CBY) FINCH, ROBERT A, BOWMAN GRAY SCHOOL OF MED, DEPARTMENT OF ANATOMY, WINSTON-SALEM, N. C. Morphogenetic properties in limb development (chick embryo).	R01HD-06816-01 (PC) MAAPPEL, ARNOLD E, BIOLOGICAL SCIENCES DEPT, NORTHERN ILLINOIS UNIVERSITY, DE KALB, ILL. Transfer RNA changes induced by thyroid (Xenopus laevis embryo).
R01HD-06704-02 (END) GARLAND, JOHN T, RUSH-PRESBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Hormonal control of growth and development (chickens, rats, human).	R01HD-06819-02 (VR) MC INTOSH, KENNETH, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Infection and childhood obstructive airway disease.
R01HD-06707-02 (END) NOTIDES, ANGELO C, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Human uterine estrogen-binding proteins (also rats).	R01HD-06822-03 (CBY) ANDERSON, EVERETT, HARVARD MEDICAL SCHOOL, DEPT OF ANATOMY, BOSTON, MASS. Studies on comparative cytology (rabbits, mice, invertebrates).
R01HD-06708-03 (GEN) WOLFE, H GLENN, UNIVERSITY OF KANSAS, DEPT OF PHYSIOLOGY & CELL BIOL, LAWRENCE, KANS. Genetic mechanisms governing ovulation (mice).	R01HD-06820-03 (POP) WELCHER, WAYNE M, GENERAL HOSPITAL, 3291 LOMA VISTA ROAD, VENTURA, CALIF. Effect of therapeutic abortion on unmarried women.
R01HD-06712-03 (MBY) KOZAK, LESLIE P, JACKSON LABORATORY, BAR HARBOR, MAINE. Regulation of enzyme levels in brain (mice).	R01HD-06822-03 (RAD) GAULDEN, MARY B, UNIV OF TEXAS SW MED SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Chromosome mutations in infants and children.
R01HD-06718-03 (END) HANSEL, WILLIAM, CORNELL UNIVERSITY, 226 MORRISON HALL, ITHACA, N. Y. Estrogen and prolactin in control of the female cycle (sheep, cattle).	R01HD-06841-02 (DBR) BARCLAY, J R, UNIVERSITY OF COLORADO, DEPARTMENT OF PSYCHOLOGY, BOULDER, COLO. Constructive processes in language comprehension.
R01HD-06720-02 (END) OXENDER, WAYNE D, MICHIGAN STATE UNIVERSITY, DEPT OF DAIRY SCIENCE, EAST LANSING, MICH. Fetal hypophyseal-gonadal relationships.	R01HD-06843-01 (MET) LOO, YEN HOONG, N Y ST INST FOR RES, 1050 FOREST HILL ROAD, STATEN ISLAND, N. Y. Cerebral phenylalanine metabolism in phenylketonuria (rats, human).
R01HD-06721-03 (POP) FRIEDLANDER, DOV, HEBREW UNIVERSITY, DEPT OF DEMOGRAPHY, JERUSALEM, ISRAEL. Conditions of variation and change in fertility (Israel).	R01HD-06851-02 (CBY) GOLDTHWAITE, JONATHAN J, BIOLOGICAL LABORATORIES, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Regulation of leaf senescence by plant hormones.
R01HD-06725-03 (REB) LEE, HAROLD H, UNIVERSITY OF TOLEDO, 2801 W BANCROFT STREET, TOLEDO, OHIO. Differentiation and androgenesis in juvenile testis (chickens, rats).	R01HD-06853-02 (EXP) SCHIFFMAN, SUSAN S, DUKE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, DURHAM, N. C. Gustator and olfactory quality changes with age (human).
R01HD-06726-03 (REB) KATZENELLENBOGEN, B S, UNIVERSITY OF ILLINOIS, 524 BURRILL HALL, URBANA, ILL. Effects of estrogen on human uterine tissue in vitro.	R01HD-06855-02 (MBY) ALBERTS, BRUCE M, PRINCETON UNIVERSITY, FRICK CHEMICAL LABORATORIES, PRINCETON, N. J. Mechanisms of growth control in mammalian cells (cattle, rodents).
R01HD-06727-03 (CBY) ILAN, JOSEPH, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Messenger RNA translation during embryogenesis (sea urchins).	R01HD-06886-02 (MBY) LUJEN, JACK E, ZOOLOGY RESEARCH BLDG, 1117 W JOHNSON ST, MADISON, WIS. Developmental aspects of cell surfaces (chick embryo).
R01HD-06730-02 (DBR) LA BERGE, DAVID, UNIVERSITY OF MINNESOTA, ELLIOTT HALL, MINNEAPOLIS, MINN. Beginning and fluent reading.	R01HD-06882-02 (EXP) GREENOUGH, WILLIAM T, UNIVERSITY OF ILLINOIS, DEPT OF PSYCHOLOGY, CHAMPAIGN, ILL. 61820. Environmental effects on rat brain synapses.
R01HD-06784-03 (HED) KING, BARRY P, WASHINGTON UNIVERSITY SCH OF M, 660 SOUTH EUCLID, ST LOUIS, MO. Functional cytology of placenta and fetal membranes (human, rodents).	R01HD-06883-02 (EXP) GANDELMAN, RONALD J, RUTGERS COLLEGE, 73 EAST-ON AVENUE, NEW BRUNSWICK, N. J. Hormonal and sensory control of maternal aggression (mice).
R01HD-06735-02 (HED) NEUMAN, MICHAEL R, CASE WESTERN RESERVE UNIV, GLENNAN 715-SCH OF ENGR, CLEVELAND, OHIO. Ultrasonic monitoring of the progress of labor.	R01HD-06883-02 (EXP) BROWN, ANN L, UNIVERSITY OF ILLINOIS, CHILDREN'S RESEARCH CENTER, CHAMPAIGN, ILL. Control processes in the memory of retarded children.
R01HD-06736-03 (HED) RANKIN, JOHN H, UNIV OF WISCONSIN MED CTR, 470 NORTH CHARTER STREET, MADISON, WIS. Regulation of uterine blood flow (sheep).	R01HD-06887-02 (REB) BARTKE, ANDRZEJ, WORCESTER FDN FOR EXPER BIOL, 222 MAPLE AVENUE, SHREWSBURY, MASS 01545. Influence of prolactin on the testis (rats, mice, rabbits).
R01HD-06737-03 (HED) JOSHI, SUSAN H, PHILA COLL OF PHARM AND SCIENC, 43RD AND KINGESSING AVENUE, PHILADELPHIA, PA. Antigenicity of the mouse ovum and early embryo.	R01HD-06888-02 (REB) CHRISTIANSEN, ROBERT O, STANFORD UNIVERSITY, DEPT OF PEDIATRICS, STANFORD, CALIF. Biochemical aspects of male sexual maturation (rabbits, rats, human).
R01HD-06750-03 (DBR) CROCKETT, WALTER H, UNIVERSITY OF KANSAS, DEPT OF SPEECH AND DRAMA, LAWRENCE, KANS. Personal constructs, aging, and impression formation.	R01HD-06972-02 (EXP) MOLTZ, HOWARD, UNIVERSITY OF CHICAGO, 5848 S UNIVERSITY AVENUE, CHICAGO, ILL. Endocrine regulation of maternal behavior (rats).
R01HD-06751-02 (EDC) SUSER, MERVYN W, COLUMBIA UNIVERSITY, 600 W 168TH ST, ROOM 606, NEW YORK, N. Y. Epidemiology of mental retardation-A national study (Netherlands).	R01HD-06883-01 (END) MEIGS, ROBERT A, CASE WESTERN RES UNIV, MACDONALD HOUSE 2065 ADELBERT, CLEVELAND, OHIO. Control of steroid hormone biosynthesis in pregnancy (human).
R01HD-06753-03 (EXP) CLYTON, RACHEL K, UNIV OF MASSACHUSETTS, DEPARTMENT OF PSYCHOLOGY, AMHERST, MASS. Classical conditioning of heart rate in human infants.	R01HD-06885-02 (EXP) SMITH, ANDERSON D, GEORGIA INSTITUTE OF TECH, SCHOOL OF PSYCHOLOGY, ATLANTA, GA. Interaction between human aging and memory.
R01HD-06754-02 (HED) DAWSON, WALLACE D, UNIVERSITY OF SOUTH CAROLINA, DEPARTMENT OF BIOLOGY, COLUMBIA, S. C. A fetal-maternal model system (doormouse).	R01HD-06894-02 (PTHA) FEIGIN, RALPH D, ST LOUIS CHILDREN'S HOSPITAL, 500 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Study of NBT test in selected childhood disorders.
R01HD-06760-02 (REB) CLEMENS, LYNWOOD G, MICHIGAN STATE UNIVERSITY, BIOLOGY RESEARCH CENTER, EAST LANSING, MICH. Neural control of sexual behavior in the rat.	R01HD-06895-02 (REB) FRIEND, DANIEL S, UNIVERSITY OF CALIFORNIA, DEPT OF PATH- 595 HSW, SAN FRANCISCO, CALIF. Pathological effects of vasectomy on permeability (rats).
R01HD-06761-03 (REB) BAROFSKY, ANNA-LISA, MASSACHUSETTS COLL OF PHARMACY, 179 LONGWOOD AVENUE, BOSTON, MASS. Serotonergic mechanisms in inhibition of ovulation (rats).	R01HD-06896-01 (REB) FULLER, GENE S, UNIV OF SOUTHERN MISSISSIPPI, SOUTHERN STATION, BOX 257, HATTIESBURG, MISS. Estrogen-stimulated progesterone synthesis in vitro (rabbits).
R01HD-06763-03 (CBY) BERNFIELD, MERTON R, STANFORD UNIV MED CTR, STANFORD UNIV SCH OF MED, STANFORD, CALIF. Extracellular materials and embryonic organ formation (mice).	R01HD-06897-02 (REB) TEICHMAN, ROBERT J, UNIVERSITY OF HAWAII, 1960 EAST-WEST ROAD, HONOLULU, HAWAII. Phospholipids in mammalian reproduction (rabbits).
R01HD-06770-02 (EXP) KOVACH, JOSEPH K, MENNINGER FDN RESEARCH DEPT, P O BOX 829, TOPEKA, KANS. Development of a behavioral phenotype (quail).	R01HD-06902-02 (CBY) RAFF, RUDOLF A, INDIANA UNIVERSITY, DEPT OF ZOOLOGY, JORDAN HALL 22, BLOOMINGTON, IND. Regulation of protein synthesis in early development (ciliates, sea urchins).
R01HD-06773-03 (PTHA) WOESSNER, J FREDERICK, JR, UNIV OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Tissue collagenase and its control by steroids (rats).	R01HD-06903-01 (DBR) GAINES, ROSSLYN, NEUROPSYCHIATRIC INSTITUTE, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. Parent training on learning and cognition of deaf children.
R01HD-06774-01 (SSS) HERRERA, M GUILERMO, 665 HUNTINGTON AVENUE, BOSTON, MASS. Malnutrition and psychologic development (Boyota, Colombia).	R01HD-06907-02 (REB) VOGGT, JAMES L, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. Pituitary hormones and brain amines during reproduction (rats).
R01HD-06775-03 (HED) EAUM, DAVID, STANFORD UNIVERSITY SCH OF MED, DEPT OF PEDIATRICS, STANFORD, CALIF. Hypoxia, metabolism, and neonatal thermoregulation (dogs).	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HD-06908-02 (REB) BLANK, MARTIN, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Membrane changes in mammalian spermatozoa (rabbits).
- RO1HD-06909-02 (BIO) FONDA, MARGARET L, UNIVERSITY OF LOUISVILLE, HLTH SCIENCES CENTER, LOUISVILLE, KY. GABA metabolism-A biochemical key to mental aging (mice).
- RO1HD-06910-02 (HED) BACHVAROVA, ROSEMARY F, CORNELL UNIVERSITY, MEDICAL COLLEGE, NEW YORK, N Y. Synthesis, characterization, and fate of mouse ovum RNA.
- RO1HD-06911-02 (POP) GALLS, OMER R, VANDERBILT UNIVERSITY, BOX 1709, STATON B, NASHVILLE, TENN. Population density and human behavior in Chicago.
- RO1HD-06914-02 (DBR) GELFAND, DONNA M, UNIVERSITY OF UTAH, DEPARTMENT OF PSYCHOLOGY, SALT LAKE CITY, UTAH. Help giving behavior of children.
- PO1HD-06915-02 (HDPB) METCOFF, JACK, UNIVERSITY OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OKLA. Maternal malnutrition and fetal development.
- PO1HD-06915-02 0001 (HDPB) CROSSBY, WARREN. Maternal malnutrition and fetal development-Antenatal diagnosis of fetal malnutrition (human).
- PO1HD-06915-02 0002 (HDPB) METCOFF, JACK. Maternal malnutrition and fetal development-Metabolism of maternal leukocytes in fetal malnutrition (guinea pigs, primates).
- PO1HD-06915-02 0003 (HDPB) ROSADO, ADOLFO. Maternal malnutrition and fetal development-Human maternal and fetal malnutrition.
- PO1HD-06915-02 0004 (HDPB) SOKATCH, JOHN R. Maternal malnutrition and fetal development-Glucose homeostasis in fetal malnutrition (human).
- PO1HD-06915-02 0005 (HDPB) MAMEESH, MOSTAFA. Maternal malnutrition and fetal development-Metabolic role of glucose in development of fetal brain and liver (animals).
- PO1HD-06916-01 (HDPB) BIGGERS, JOHN D, HARVARD MEDICAL SCHOOL, 45 SHATTUCK STREET, BOSTON, MASS. Reproduction-Gametogenesis to implantation (human, mammals non-human).
- RO1HD-06917-02 (NTN) NEWBERNE, PAUL M, MASSACHUSETTS INST OF TECH, 50 AMES STREET, CAMBRIDGE, MASS. Nutrition and the thymolympathic system (rats, human).
- RO1HD-06921-02 (DBR) RYAN, BLEN B, UNIVERSITY OF NOTRE DAME, DEPT OF PSYCHOLOGY, NOTRE DAME, IND. Language attitudes of bilingual Chicaneas.
- RO1HD-06926-01 (REB) RODGERS, CHARLES H, DEPT OF PSYCHIATRY, UNIV OF ILLINOIS SCH OF MED, CHICAGO, ILL. Neural regulation of sex behavior in the female (rats).
- RO1HD-06929-02 (HED) JOSIMOVICH, JOHN B, MAGEE-WOMENS HOSPITAL, FORBES AND HALKET STREETS, PITTSBURGH, PA. Fetal health and amniotic fluid MCS and prolactin (monkeys).
- RO1HD-06936-02 (CVB) RIEMENSCHNEIDER, THOMAS A, UNIVERSITY OF UTAH, 50TH NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Cardiovascular function in fetal and neonatal animals (lambs).
- RO1HD-06948-02 (REB) HAPS, HAROLD D, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF DAIRY SCIENCE, EAST LANSING, MICH. Endocrine correlates with prostaglandin F2A (cattle).
- RO1HD-06950-01 (REB) HAGINO, NOBUYOSHI, UNIVERSITY OF TEXAS, P O BOX 28147 (7480 W COMMERCE, SAN ANTONIO, TEX. Estroreceptive and neuroendocrine regulation of ovulation (baboon, rat).
- RO1HD-06955-01 (POP) CHOW, LIEN P, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Epidemiological studies of IUD retention (Taiwan).
- RO1HD-06962-02 (NTN) POND, WILSON G, CORNELL UNIVERSITY, DEPT OF ANIMAL SCIENCE, ITHACA, N Y. Effect of dietary PUFA-vitamin E on dam and progeny (swine).
- RO1HD-06963-09 (PHY) MARSHALL, JEAN M, BROWN UNIVERSITY, DIV OF BIOLOGICAL & MED SCIS, PROVIDENCE, R I. Properties of smooth muscle (rats).
- RO1HD-06966-02 (POP) KOSORUD, RICHARD F, UNIVERSITY OF ILLINOIS, DEPT OF ECONOMICS, CHICAGO, ILL. Systems study of population and economic change (US, Japan).
- RO1HD-06969-01 (REB) DYM, MARTIN, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Role of the Sertoli cell in spermatogenesis (monkey, human, rodents).
- RO1HD-06971-02 (DBR) RADIN, NORMA, UNIVERSITY OF MICHIGAN, 2068 D FRIEZE BUILDING, ANN ARBOR, MICH. Observed paternal behavior with preschool children.
- RO1HD-06975-02 (HED) MUN, ALTON M, UNIVERSITY OF MAINE, MURRAY HALL, ORONO, MAINE 04473. Embryonic development in unfertilized turkey eggs.
- RO1HD-06982-01 (REB) BLAMA, GORDON C, UNIVERSITY OF CINCINNATI, COLLEGE OF MEDICINE, CINCINNATI, OHIO. Functional age changes in female reproductive organs.
- RO1HD-07001-01 (POP) SYKES, ZENAS M, JR, DEPT OF POPULATION DYNAMICS, 615 N WOLFE ST, BALTIMORE, MD. Population mathematics (human).
- RO1HD-07002-01 (POP) VON BROEMSEN, MAX, WASHINGTON STATE UNIVERSITY, P O BOX 2835CS, PULLMAN, WASH. Cross-cultural study of fertility control of Japan and the US.
- RO1HD-07005-01 (DBR) BINFORD, LEWIS R, UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, N MEX. Child socialization practices of Nunamiut eskimos.
- RO1HD-07013-02 (REB) CLEGG, ERIC D, PURDUE UNIVERSITY, 3-237 LIFE SCIENCE, LAFAYETTE, IND. Subcellular investigation of pig sperm capacitation.
- RO1HD-07014-02 (REB) GALL, W EINAR, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Biochemistry of spermatozoan structures (human, rabbits, rodents).
- RO1HD-07021-02 (GEN) WRIGHT, DAVID A, UNIVERSITY OF TEXAS, 6723 BERTNER AVENUE, HOUSTON, TEX. Gene expression in embryogenesis (frogs, fish).
- RO1HD-07024-02 (POP) JACCARD, JAMES J, PSYCHOLOGY BUILDING, SOUTH SIXTH STREET, CHAMPAIGN, ILL. Prediction of family-planning intentions and behavior.
- RO1HD-07032-01 (SSS) HIGSTED, DAVID M, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Malnutrition and behavioral development in monkeys.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HD-07033-02 (TMP) STOPPOLANO, JOHN G, JR, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF ENTOMOLOGY, AMHERST, MASS. Effect of aging on chemoreceptor sensillia (flies).
- RO1HD-07035-02 (EXP) GRAHAM, FRANCES K, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Development of inhibition and facilitation of startle (human).
- RO1HD-07036-02 (HED) GUSSECK, DAVID J, LOMA LINDA UNIVERSITY, GYNECOLOGY AND OBSTETRIC RES, LOMA LINDA, CALIF. Biochemistry of placental development and function (continued).
- RO1HD-07037-02 (NEUA) FURST, CHARLES J, DARTMOUTH COLLEGE, DEPARTMENT OF PSYCHOLOGY, HANOVER, N H. Electrophysiology of eidetic imagery in children (human).
- RO1HD-07043-01 (EXP) CARR, WILLIAM J, BEAVER COLLEGE, DEPARTMENT OF PSYCHOLOGY, GLENSIDE, PA. Pheromonal communication (rats, mice).
- RO1HD-07045-02 (HED) JARABAK, JOSEPH W, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Prostaglandin metabolism in human placenta.
- RO1HD-07049-01 (REB) LUTTGE, WILLIAM G, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Hormones in sexual differentiation and behavior (rats, mice).
- RO1HD-07054-01 (EXP) DAVIS, JOEL L, NORTHERN ILLINOIS UNIV, DEKALB, ILL. Developmental aspects of passive avoidance learning (rats).
- RO1HD-07061-01 (CBY) DAENITL, DONNA L, UNIV OF CALIF, SAN FRANCISCO, 3RD & PARNASSUS, SAN FRANCISCO, CALIF. Embryo size and nucleotide syntheses, a cancer study (mice).
- RO1HD-07036-02 (REB) NEILL, JIMMY D, EMORY UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, ATLANTA, GA. Gonadotropin secretion during lactation in the monkey (also rats).
- RO1HD-07070-02 (VR) HANSHAW, JAMES B, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Cytomegalovirus in the development of the CNS (human).
- RO1HD-07071-01 (DBR) MACCOBY, ELEANOR E, DEPT OF PSYCHOLOGY, STANFORD UNIV, STANFORD, CALIF. Biochemical factors in behavioral sex differences.
- RO1HD-07073-02 (DBR) BRICKER, WILLIAM A, GEORGE PEABODY COLL FOR TCHRS, BOX 88, NASHVILLE, TENN. Assessment and modification of parental teaching style.
- RO1HD-07074-01 (END) MOSIER, H DAVID, JR, MEMORIAL HOSPITAL MED CENTER, 2801 ATLANTIC AVE, LONG BEACH, CALIF. Mechanism controlling rats (rats).
- RO1HD-07075-01 (EXP) SIDMAN, MURRAY, NORTHEASTERN UNIVERSITY, PSYCHOLOGY DEPARTMENT, 440 UR , BOSTON, MASS. Reading, cross-modal transfer and stimulus control.
- RO1HD-07075-01 0001 (EXP) SIDMAN, MURRAY. Reading, crossmodal transfer and stimulus control-Crossmodal transfer of stimulus equivalences (monkeys, pigeons).
- RO1HD-07075-01 0002 (EXP) SIDMAN, MURRAY. Reading, crossmodal transfer and stimulus control-Reading and crossmodal transfer of stimulus equivalences (children).
- RO1HD-07075-01 0003 (EXP) SIDMAN, MURRAY. Reading, crossmodal transfer and stimulus control-Mediated stimulus equivalence and generative language (children).
- RO1HD-07075-01 0004 (EXP) SIDMAN, MURRAY. Reading, crossmodal transfer and stimulus control-Letter and word reversals in reading and writing (children).
- RO1HD-07075-01 0005 (EXP) SIDMAN, MURRAY. Reading, crossmodal transfer and stimulus control-Behavioral evaluation of neurological mutants (rats, mice).
- RO1HD-07078-02 (HED) LAPHAM, LOWELL W, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Growth and development of human fetal brain in vitro.
- RO1HD-07082-02 (CBY) JOHNSON, KURT B, DUKE UNIVERSITY, BOX 3011, DURHAM, N C. Changes in cell surface properties in gastrulation (frogs).
- RO1HD-07083-02 (MBY) KONIGSBERG, IRWIN R, UNIVERSITY OF VIRGINIA, DEPARTMENT OF BIOLOGY, CHARLOTTESVILLE, VA. Control of proliferation during muscle development (quail).
- RO1HD-07087-02 (MET) SPERLING, MARK A, HARBOR GENERAL HOSPITAL, TORRANCE, CALIF. Glucagon physiology in fetus, newborn and child (and mammals).
- RO1HD-07008-02 (NTN) MC ARTHUR, JANET W, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Nutritional effects on serum gonadotropin in women.
- RO1HD-07090-02 (NTN) MARTIN, ROY J, PENNSYLVANIA STATE UNIVERSITY, 301 ANIMAL INDUSTRIES BLDG, UNIVERSITY PARK, PA. Metabolic regulation of growth and development (pigs, chickens, rodents).
- RO1HD-07091-02 (PHRA) WIELSCH, FRANK, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, EAST LANSING, MICH. Distribution and functions of ACh in placenta (human, animals).
- RO1HD-07093-02 (POP) WACHTER, MICHAEL L, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ECONOMICS, PHILADELPHIA, PA. Effect of labor market on birth and marriage rates.
- RO1HD-07094-01 (POP) LI, WEN L, DEPT OF SOCIOLOGY, OHIO STATE UNIVERSITY, COLUMBUS, OHIO. An open model for population projection.
- PO1HD-07110-02 (HDPB) JENSEN, ELWOOD V, 950 EAST 59TH STREET, CHICAGO, ILL. Biomedical center for population research.
- PO1HD-07110-02 0001 (HDPB) ANDEKSON, WINSTON A. Biomedical center for population research-Biology of sperm, ovary and oviduct (mammals).
- PO1HD-07110-02 0002 (HDPB) DESOMBRE, EUGENE R. Biomedical center for population research-Estrogen receptor proteins (mammals).
- PO1HD-07110-02 0003 (HDPB) FRIED, JOSEF. Biomedical center for population research-Structure-function relationships of prostaglandins and analogs.
- PO1HD-07110-02 0004 (HDPB) JENSEN, ELWOOD V. Biomedical center for population research-Estrogen binding proteins (calves).
- PO1HD-07110-02 0005 (HDPB) LIAO, S. Biomedical center for population research-Androgen receptors in male accessory genital glands (mammals).
- PO1HD-07110-02 0006 (HDPB) WILLIAMS ASHMAN, H GUY. Biomedical center for population research-Polyamines, basic proteins in spermatozoa, adrogenic hormone action (mammals).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P01HD-07110-02 0007 (HDPR) LEWONTIN, RICHARD C. Biomedical center for population research—Population genetics (mice, flies, grasshoppers).
- P01HD-07110-02 0008 (HDPR) MOSCONA, ARON A. Biomedical center for population research—Differentiation in embryonic cells (mammals).
- P01HD-07118-02 0009 (HDPR) PARK, THOMAS. Biomedical center for population research—Population ecology (insects, birds).
- P01HD-07110-02 0010 (HDPR) CHIANG, K S. Biomedical center for population research—Molecular mechanism of meiosis (Chlamydomonas).
- P01HD-07110-02 0011 (HDPR) EHRLEICH, EDWARD M.. Biomedical center for population research—Aldosterone and its antagonists in electrolyte and water homeostasis.
- P01HD-07110-02 0012 (HDPR) FANG, VICTOR. Biomedical center for population research—Reproductive endocrinology (rodents).
- P01HD-07110-02 0013 (HDPR) JARABAK, JOSEPH. Biomedical center for population research—Hormone protein interaction (human).
- P01HD-07110-02 0014 (HDPR) LANDAU, RICHARD L. Biomedical center for population research—Endocrinologic aspects of male infertility (human, mammals nonhuman).
- P01HD-07110-02 0015 (HDPR) OPARIL, SUSAN. Biomedical center for population research—Conversion of angiotensin I to angiotensin II.
- P01HD-07110-02 0016 (HDPR) AMAROSE, ANTHONY, P. Biomedical center for population research—Chromosome damage and drug intake (mammals).
- P01HD-07110-02 0017 (HDPR) BIBBO, MARLUCE. Biomedical center for population research—Effects of oral contraceptives on cervical dysplasias (human).
- P01HD-07110-02 0018 (HDPR) BURKS, JAMES L. Biomedical center for population research—Outpatient programs in family planning.
- P01HD-07110-02 0019 (HDPR) CIMILS, LUIS. Biomedical center for population research—Effects of pharmacologic agents on smooth muscle (human).
- P01HD-07110-02 0020 (HDPR) ESTERLY, JOHN R. Biomedical center for population research—Perinatal development (human).
- P01HD-07110-02 0021 (HDPR) FREESE, UWE, B. Biomedical center for population research—Transplacental transfer of drugs, nutrients and metabolites (monkeys, rodents).
- P01HD-07110-02 0022 (HDPR) KIM, M H. Biomedical center for population research—Hormonal changes during menstruation and ovarian dysfunction (mammals nonhuman).
- P01HD-07110-02 0023 (HDPR) MOAWAD, A H. Biomedical center for population research—Smooth muscle (human, rats).
- P01HD-07110-02 0024 (HDPR) SCHUMACHER, GEBHARD. Biomedical center for population research—Gametes (human, monkeys).
- P01HD-07110-02 0025 (HDPR) SWARTWOUT, JOSEPH R. Biomedical center for population research—Lipids of the reproductive tract in normal and contraceptive women.
- P01HD-07118-02 0026 (HDPR) WIED, GEORGE L. Biomedical center for population research—Oral contraceptives and dysplasia (human).
- P01HD-07118-02 0027 (HDPR) ZANEVELD, LOURENS. Biomedical center for population research—Genital secretions and sperm function (human, monkeys).
- P01HD-07110-02 0028 (HDPR) ZUSPAN, FREDERICK. Biomedical center for population research—Biogenic amines (human, baboons, monkeys).
- P01HD-07110-02 0029 (HDPR) DORFMAN, ALBERT. Biomedical center for population research—Mucopolysaccharides and inherited diseases of connective tissue (human).
- P01HD-07110-02 0030 (HDPR) ROSENFELD, ROBERT L. Biomedical center for population research—Relationship between plasma androgens and infertility in men and women.
- P01HD-07110-02 0031 (HDPR) MOLTZ, HOWARD. Biomedical center for population research—Pup attracting pheromone of lactating rats.
- P01HD-07118-02 0032 (HDPR) LINDHEIMER, MARSHALL, D. Biomedical center for population research—Hemodynamics and contraceptives.
- R01HD-07116-01 (POP) CVETKOVICH, GEORGE T, WESTERN WASHINGTON STATE COL, BELLINGHAM, WASH. Simulation of birth planning decision policies.
- R01HD-07118-01 (POP) COBLINER, W GODFREY, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Life change events in seeking elective abortion.
- R01HD-07127-03 (REB) KEYES, PAUL L, UNIVERSITY OF MICHIGAN, 1335 EAST CATHERINE STREET, ANN ARBOR, MICH. Regulation of ovarian function during pregnancy (rabbits).
- R01HD-07134-02 (GMB) GARN, STANLEY M, UNIVERSITY OF MICHIGAN, 611 CHURCH STREET, ANN ARBOR, MICH. Variations in postnatal ossification sequence.
- R01HD-07135-02 (HED) DELIVORIA-PAPADOPOULOS, M, UNIVERSITY OF PENNSYLVANIA, ROOM A-201 A N RICHARDS BLDG, PHILADELPHIA, PA. Pathophysiology of tissue oxygen transport (sheep).
- R01HD-07136-01 (MAY) KELLEHER, PHILIP C, DEPT OF MEDICINE, UNIV OF VERMONT C-340 GIVEN MB, BURLINGTON, VT. Alpha-1 fetoprotein in mammalian hepatomas and growth (human, rats).
- R01HD-07137-01 (MAY) TRINKAUS, JOHN P, YALE UNIVERSITY, KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Contact behavior of developing and transformed cells (mice, fundulus).
- R01HD-07138-02 (END) LOVE, DAVID S, CASE WESTERN RESERVE UNIV, 2119 ABBINGTON ROAD, CLEVELAND, OHIO. Cortical steroid regulation of muscle development (chick embryo).
- R01HD-07144-01 (POP) KNUDSEN, JOHN W, DEPARTMENT OF ECONOMICS, UNIVERSITY OF IDAHO, MOSCOW, IDAHO. Fertility and child development impact of AFDC.
- R01HD-07147-01 (POP) MASNICK, GEORGE S, MANAGEMENT & BEHAVIOR SCI CTR, 4025 CHESTNUT ST, 4TH FLOOR, PHILADELPHIA, PA. Migration and fertility behavior and attitudes.
- R01HD-07154-02 (CBY) WIESE, LUTZ, FLORIDA STATE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCE, TALLAHASSEE, FLA. Sex cell contact at fertilization (algae).
- R01HD-07160-01 (CVB) MOSS, GERALD, DIV OF BIO-ENVIRONMENTAL ENGR, RENSSLAER POLYTECHNIC INST, TROY, N Y. Hyaline membrane disease—Neonatal cerebral (monkeys, swine).
- R01HD-07161-02 (POP) WILLIS, ROBERT J, NATL BUREAU/ECONOMIC RESEARCH, 261 MADISON AVENUE, NEW YORK, N Y. Microeconomic analysis of human fertility behavior.
- R01HD-07163-02 (EXP) ANKEN, LEONA S, DEPARTMENT OF PSYCHOLOGY, TEMPLE UNIVERSITY, PHILADELPHIA, PA. Visual-auditory equivalence in pattern perception (children, adults).
- P01HD-07173-02 (HDAG) SEIFTER, SAM, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Structure and function of aging human fibroblasts.
- P01HD-07173-02 0001 (HDAG) BLUMENFELD, OLGA. Structure and function of aging human fibroblasts—Composition, immunology, enzymes and transport in cell membranes (WI 38).
- P01HD-07173-02 0003 (HDAG) MARKMAN, MAYNARD H. Structure and function of aging human fibroblasts—Adenyl cyclase system and hormone receptors (WI 38).
- P01HD-07173-02 0004 (HDAG) TAKAHASHI, SHIZUKO. Structure and function of aging human fibroblasts—Amino acid transport—Glutamyl transpeptidase system.
- P01HD-07173-02 0005 (HDAG) STRECKER, HAROLD. Structure and function of aging human fibroblasts—Proline synthesis.
- P01HD-07173-02 0006 (HDAG) BETHER, JOSEPH. Structure and function of aging human fibroblasts—Biosynthesis of collagen.
- P01HD-07173-02 0007 (HDAG) ENGLARD, SASHA. Structure and function of aging human fibroblasts—Activity of prolyl hydroxylase in WI-38 fibroblasts.
- R01HD-07179-01 (OMA) BAYLESS, THEODORE M, JOHNS HOPKINS HOSPITAL, BLALOCK 903, BALTIMORE, MD. Lactose intolerance in healthy children.
- R01HD-07181-03 (END) HERSHMAN, JEROME M, UNIVERSITY OF CALIFORNIA, CENTER FOR HEALTH SCIENCES, LOS ANGELES, CALIF. Placental thyrotropins biochemistry and physiology (human).
- R01HD-07185-02 (CMS) COMPTON, ARTHUR J, HEARING & SPEECH CENTER, 2340 CLAY STREET, SAN FRANCISCO, CALIF. Generative studies of the sound system of children (human).
- R01HD-07186-01 (POP) LAWDEN, D LEE, UNIVERSITY OF WISCONSIN, 3412 SOCIAL SCIENCE BUILDING, MADISON, WIS. Economic and non-economic determinants of migration.
- R01HD-07186-01 (POP) TALBERT, CAROL S, DEPARTMENT OF ANTHROPOLOGY, 943 SOUTH CROUSE AVENUE, SYRACUSE, N Y. Ethnography of poor black women.
- R01HD-07190-03 (PC) PETRA, PHILIP H, UNIVERSITY OF WASHINGTON, DEPT OF OBSTETRICS & GYNECOLOG, SEATTLE, WASH. Structure-function of steroid binding proteins (human).
- R01HD-07193-01 (CBY) CONRAD, GARY W, ACKERT HALL, KANSAS STATE UNIV, MANHATTAN, KANS. Molluscan polar lobes—Role in embryonic development (marine mud snail).
- R01HD-07194-01 (CBY) SCHROEDER, PAUL C, DEPARTMENT OF ZOOLOGY, WASHINGTON STATE UNIVERSITY, PULLMAN, WASH. Cellular mechanisms in ovulation and spawning (frogs, starfish).
- R01HD-07195-02 (HED) BRASEL, JO A, COLUMBIA UNIVERSITY, BLACK BLDG, 630 W 168TH ST, NEW YORK, N Y. Nutrition and cell growth (rats).
- R01HD-07196-02 (END) MC ARTHUR, JANET W, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Isolation of circulating pituitary gonadotropins (rats).
- R01HD-07197-02 (REB) GAURPIDE, ERLJO, MT SINAI SCH OF MED-C U N Y, 1176 FIFTH AVENUE, NEW YORK, N Y. Steroid dynamics, (human, mammals).
- R01HD-07200-01 (DBR) WILSON, RONALD S, UNIV OF LOUISVILLE HEALTH SCI, P O BOX 1055, LOUISVILLE, KY. Heritability and mental development.
- R01HD-07201-01 (DBR) CICIRELLI, VICTOR G, PURDUE UNIVERSITY, DEPT CHILD DEV & FAMILY LIFE, LAFAYETTE, IND. Influence of mother and sib on child's problem solving.
- R01HD-07204-03 (END) EWING, LARRY L, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Regulation of androgen secretion in mammalian testes (rabbits).
- R01HD-07209-01 (CBY) CAPLAN, ARNOLD I, CASE WESTERN RESERVE UNIVERSITY, BIOLOGY DEPT, CLEVELAND, OHIO. Control of development of limb mesodermal cells.
- R01HD-07213-02 (CBY) CHAMBERS, EDWARD L, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Role of ions in activation of the egg (sea urchins).
- R01HD-07214-02 (POP) SHACHTMAN, RICHARD, UNIVERSITY OF NORTH CAROLINA, 315 PHILLIPS HALL, CHAPEL HILL, N C. Long-term complications of induced abortions.
- R01HD-07218-01 (UMB) LOZZIO, BISMARCK B, THE UNIV OF TENNESSEE, MEMORIAL RES CTR & HOSPITAL, KNOXVILLE, TENN. Hereditary agenesis of the thymus (rats, mice).
- R01HD-07220-02 (END) FOLEY, THOMAS P, JR, CHILDREN'S HOSPITAL, 125 DESOTO STREET, PITTSBURGH, PA. Congenital hypothyroidism—Neonatal screening tests (human).
- R01HD-07225-01 (POP) TOWNES, BRENDA D, DEPARTMENT OF PSYCHIATRY (RP-1), UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Birth planning—Values and decisions.
- R01HD-07231-01 (REB) LI, TING-KAI, INDIANA UNIVERSITY, 100 W MICHIGAN STREET, INDIANAPOLIS, IND. Metabolic control mechanisms in sperm aging (sheep, dog, human).
- R01HD-07232-02 (DBR) HAJTH, MARSHALL M, UNIVERSITY OF DENVER, DEPT OF PSYCHOLOGY, DENVER, COLO. Developmental studies of short-term memory (human).
- R01HD-07239-01 (REB) CHEESMAN, DEAN W, UNIVERSITY OF CALIF, SAN FRAN, 3RD AND PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Characterization of a pineal anti-ovulatory compound (cattle, mice).
- R01HD-07240-05 (TOX) ROE, DAPHNIE A, CORNELL UNIVERSITY, GRAD SCHOOL OF NUTRITION, ITHACA, N Y. Fetal effects of sulfoconjugation in pregnant rats.
- R01HD-07242-01 (REB) BURKE, WILLIAM H, DEPARTMENT OF ANIMAL SCIENCE, UNIVERSITY OF MINNESOTA, ST PAUL, MINN. Prolactin, progesterone and broodiness (turkeys).
- R01HD-07243-02 (REB) BERGER, PATRICIA J, UNIVERSITY OF UTAH, DEPARTMENT OF BIOLOGY, SALT LAKE CITY, UTAH. Plant factors stimulating mammalian reproduction (voles).
- R01HD-07244-01 (REB) AMANN, RUPERT B, DAIRY BREEDING RESEARCH CENTER, UNIVERSITY PARK, PA. Separation and culture of epididymal epithelial cells (rabbits, cattle).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01HD-07250-02 (NTN) RITCHEY, SANFORD J, VIRGINIA POLYTECHNIC INSTITUTE, DEPT OF HUMAN NUTRITION & FOOD, BLACKSBURG, VA. Sweat nitrogen losses and protein intake in children.	P01HD-07329-02 0003 (HDMR) WINTERS, JOHN J. Input structure and retardate performance—Recall and recognition of visual and auditory stimuli.
R01HD-07252-01 (HED) BRADFORD, G ERIC, UNIVERSITY OF CALIFORNIA, DEPT OF ANIMAL SCIENCE, DAVIS, CALIF. Genetic and endocrine control of prenatal loss (mice).	P01HD-07329-02 0004 (HDMR) WINTERS, JOHN J. Input structure and retardate performance—Von Restorff effect in recall and recognition of visual and auditory stimuli.
R01HD-07253-02 (REB) MOULTON, BRUCE C, UNIVERSITY OF CINCINNATI, OBS & GYN RESEARCH LAB, CINCINNATI, OHIO. Endometrial mechanisms of ovarian hormone synergism (rats).	P01HD-07329-02 0005 (HDMR) WINTERS, JOHN J. Input structure and retardate performance—Recall and recognition of clustered and isolated visual and auditory stimuli.
P01HD-07254-03 (HDGD) VAN DEN BERG, BARBARA J, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, BERKELEY, CALIF. Child health and development studies.	P01HD-07329-02 0006 (HDMR) HOLDEN, EDWARD A JR. Input structure and retardate performance—Tracking nonnumerative, response contingent and sequential information processing.
P01HD-07254-03 0001 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Drugs during pregnancy and fetal outcome (human).	P01HD-07329-02 0007 (HDMR) HOLDEN, EDWARD A JR. Input structure and retardate performance—Intramedial stimulus alternation effects on information processing in retardates.
P01HD-07254-03 0002 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Analysis of sequential pregnancies (human).	P01HD-07329-02 0008 (HDMR) HOLDEN, EDWARD A JR. Input structure and retardate performance—Intramedial and intermedial distraction during sequential information processing.
P01HD-07254-03 0003 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Caesarean section and respiratory problems of the infant (human).	P01HD-07329-02 0009 (HDMR) HOLDEN, EDWARD A JR. Input structure and retardate performance—Sequential space, rate and velocity extrapolation in retardates and normals.
P01HD-07254-03 0004 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Placental weight and anemia during pregnancy (human).	P01HD-07329-02 0010 (HDMR) HOLDEN, EDWARD A JR. Input structure and retardate performance—Stimulus versus response-induced psychological refractory period in retardates.
P01HD-07254-03 0005 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Infant mortality (human).	P01HD-07329-02 0011 (HDMR) ANDERSON, O ROGER. Input structure and retardate performance—Role of commonality in knowledge acquisition.
P01HD-07254-03 0006 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Usage of medical care (human).	P01HD-07329-02 0012 (HDMR) ANDERSON, O ROGER. Input structure and retardate performance—Role of theme activity in knowledge acquisition.
P01HD-07254-03 0007 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Growth (human).	P01HD-07329-02 0013 (HDMR) ANDERSON, O ROGER. Input structure and retardate performance—Role of controlled progression in knowledge acquisition.
P01HD-07254-03 0008 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Congenital anomalies (human).	P01HD-07329-02 0014 (HDMR) ANDERSON, O ROGER. Input structure and retardate performance—Cascaded chain curriculum model in knowledge acquisition by mentally retarded.
P01HD-07254-03 0009 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Developmental data on 5-year-old and 9-11-year old children.	P01HD-07329-02 0015 (HDMR) EVANS, ROSS A. Input structure and retardate performance—Concept utilization, strategy training and academic performance.
P01HD-07254-03 0010 (HDGD) VANDENBERG, BARBARA J. Child health and development studies—Morbidity in childhood (human).	R01HD-07331-01 (HED) RUEBNER, BORIS H, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PATHOLOGY, DAVIS, CALIF. Bile pigment metabolism in fetal and newborn monkeys.
R01HD-07257-03 (HED) BEDFORD, J MICHAEL, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N.Y. Maturation and interaction of mammalian gametes (rabbits, rodents).	R01HD-07334-01 (POP) HAMOVITCH, WILLIAM, QUEENS COLLEGE OF C U N Y, KISSENA BLVD, FLUSHING, N.Y. Fertility, productivity and labor force participation (women in academia).
R01HD-07265-11 (MCHB) CHAPMAN, ORVILLE L, IOWA STATE UNIVERSITY, DEPT OF CHEMISTRY, AMES, IOWA. Organic photochemistry (human).	R01HD-07336-01 (TMP) HIERMAN, WILLIAM S, UNIVERSITY OF MINNESOTA, DEPARTMENT OF ZOOLOGY, MINNEAPOLIS, MINN. Lepidopteran reproductive neuroendocrinology.
R01HD-07268-01 (POP) DAVID, HENRY P, AMERICAN INSTITUTES FOR RES, 8555 SIXTEENTH ST, SILVER SPRING, MD. Contraception, abortion and couple decision-making (Israel).	R01HD-07337-03 (CBY) MORRE, D JAMES, PURDUE UNIVERSITY, DEPT OF BOTANY & PLANT PATHOL, LAFAYETTE, IND. Reproductive regulation by Golgi apparatus secretions (rats).
R01HD-07275-01 (END) WEICHEL, MORTON E, JR, MICHIGAN STATE UNIVERSITY, LIFE SCIENCES I BUILDING, EAST LANSING, MICH. Hormonal regulation of brain pyrimidine biosynthesis (rats).	R01HD-07338-01 (CBY) FINCH, CALEB E, UNIV OF SOUTHERN CALIFORNIA, ETHEL PERCY ANDRUS GERONT CTR, LOS ANGELES, CALIF. Aging and biosynthesis in non-dividing cells (mice).
R01HD-07276-01 (HED) DOWNING, S EVANS, 333 CEDAR STREET, NEW HAVEN, CONN. NEW HAVEN, CONN. Chemosensitive systems in sudden infant death (lambs, piglets).	R01HD-07340-01 (END) TIMIRAS, PAOLA S, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY-ANATOMY, BERKELEY, CALIF. Membranogenesis in cretinism and hyperthyroidism.
R01HD-07277-02 (HED) PEARSON, ANTHONY A, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Development of the nervous system (human).	R01HD-07345-01 (END) DI PIETRO, DAVID L, GARLAND AVENUE, NASHVILLE, TENN. Estriol 16-glucuronate and estradiol antibodies (human).
R01HD-07282-01 (HED) MACCABE, JEFFREY A, DEPT OF ZOOLOGY, UNIV OF TENNESSEE, KNOXVILLE, TENN. Mechanisms in embryonic limb morphogenesis (mice, chick embryo).	R01HD-07349-01 (HED) FITZPATRICK, DAVID, CALIFORNIA STATE COLLEGE, 5151 STATE COLLEGE DRIVE, LOS ANGELES, CALIF. Effects of perinatal clomiphene on rat sexual behavior.
R01HD-07290-02 (HED) LANMAN, JONATHAN T, ROCKEFELLER UNIVERSITY, YORK AVENUE AT 66TH STREET, NEW YORK, N.Y. Control of timing and character of labor (human, animals).	R01HD-07351-02 (EXP) TIEFER, LEONORE, COLORADO STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, FORT COLLINS, COLO. Determinants of sexual performance in the rat.
R01HD-07300-02 (HEM) SCHULMAN, HYVING, STANFORD UNIVERSITY, DEPT OF PEDIATRICS, STANFORD, CALIF. Hemostasis and hemorrhagic disease in children (human).	R01HD-07359-03 (GEN) FINCH, CALEB E, UNIV OF SOUTHERN CALIFORNIA, GERONTOLOGY CTR, LOS ANGELES, CALIF. Gene function during postnatal development and ageing (rats, mice).
R01HD-07303-02 (DBR) ASHER, STEVEN R, UNIVERSITY OF ILLINOIS, 210 F EDUCATION BUILDING, URBANA, ILL. The development of self monitoring and communication ability.	R01HD-07360-01 (DBR) CAIRNS, HIBEN S, DEPT OF COMMUNICATIONS A & S, QUEENS COLLEGE, FLUSHING, N.Y. The ontogenesis of the comprehension of WH-questions.
R01HD-07307-02 (EXP) ROSINSKI, RICHARD R, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF PSYCHOLOGY, PITTSBURGH, PA. The development of space perception in children.	R01HD-07363-01 (POP) COLE, STEVEN G, TEXAS CHRISTIAN UNIVERSITY, INST OF BEHAVIORAL RESEARCH, FORT WORTH, TEX. Critical factors in family planning participation (clinic attendants).
R01HD-07311-01 (EXP) HALL, JAMES W, OLD COLLEGE, NORTHWESTERN UNIV, EVANSTON, ILL. Memory-encoding operations in adults and children.	R01HD-07369-01 (DBR) SHANTZ, CAROLYN U, WAYNE STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, DETROIT, MICH. Generality and correlates of egocentrism in children.
R01HD-07314-02 (MBC) HIGGAMAN, GEORGE D, INDIANA UNIVERSITY, JORDAN HALL 336, BLOOMINGTON, IND. Evolution of bacterial enzyme systems.	R01HD-07371-01 (END) KENNY, FREDERIC M, CHILDREN'S HOSP OF PITTSBURGH, 125 DESOTO STREET, PITTSBURGH, PA. Estrogen metabolism during growth and development.
R01HD-07323-01 (POP) BECKMAN, LINDA J, DEPT OF PSYCHIATRY, UCLA CENTER FOR HEALTH SCIENCE, LOS ANGELES, CALIF. Motivation, roles and family planning of women.	R01HD-07372-01 (EXP) MC CALL, ROBERT B, FELS RESEARCH INST, 800 LIVERMORE ST, YELLOW SPRINGS, OHIO. Perceptual-cognitive development in human infants.
P01HD-07328-01 (HDAG) DANIELLI, JAMES F, S U N Y-AT BUFFALO, 4248 RIDGE LEA ROAD, AMHERST, N.Y. Experimental and theoretical studies of cell senescence.	R01HD-07375-02 (MBY) EPSTEIN, HENRY F, STANFORD UNIV, DEPT OF PHARMACOLOGY, STANFORD, CALIF. Molecular basis of neuromuscular development (nematodes).
P01HD-07328-01 0001 (HDAG) PATTEE, HOWARD H. Experimental and theoretical studies of cell senescence—Cell systems theoretical study (Ameba, mammals).	P01HD-07376-01 (HDAG) GALLOP, PAUL M, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Fibroblasts and connective tissues in development.
P01HD-07328-01 0002 (HDAG) DANIELLI, JAMES F. Experimental and theoretical studies of cell senescence—Senescence and spanning in Ameba and human cells in culture.	P01HD-07376-01 0001 (HDAG) GALLOP, PAUL M. Fibroblasts and connective tissues in development—Quantity and chemical nature of collagens in culture (WI-38).
P01HD-07328-01 0003 (HDAG) ROSE, NOEL R. Experimental and theoretical studies of cell senescence—Immunochemical investigation of time dependant changes (WI-38).	P01HD-07376-01 0002 (HDAG) GALLOP, PAUL M. Fibroblasts and connective tissues in development—Collagen alterations in development, maturation, aging and disease (human).
P01HD-07328-01 0004 (HDAG) OHKI, S. Experimental and theoretical studies of cell senescence—Artificial membranes (Ameba cell components).	R01HD-07377-01 (HED) QUILLIGAN, EDWARD J, WOMEN'S HOSPITAL, 1240 NO MISSION RD, LOS ANGELES, CALIF. Mechanisms of fetal cerebral vascular control (sheep).
P01HD-07328-01 0005 (HDAG) BENDER, ROBERT. Experimental and theoretical studies of cell senescence—Design and development of micromanipulation equipment.	R01HD-07378-02 (MCHB) LIS, ADAM W, UNIV OF OREGON MED SCHOOL, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. UV-absorbing components in urine.
P01HD-07329-02 (HDMR) SPITZ, HERMAN H, E R JOHNSTONE TRNG & RES CTR, BORDENTOWN, N.J. Input structure and retardate performance.	
P01HD-07329-02 0001 (HDMR) SPITZ, HERMAN H. Input structure and retardate performance—Acquisition, storage and retrieval of clusterable and non-clusterable pictures.	
P01HD-07329-02 0002 (HDMR) SPITZ, HERMAN H. Input structure and retardate performance—External emphasis on recognition and use of redundancy.	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1HD-07382-03 (CBY) BURNSIDE, MARY B, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA. Development of cell shape in embryonic epithelia (marine fish, salamanders).

RO1HD-07385-01 (GBEN) STONE, WILLIAM H, LABORATORY OF GENETICS, UNIV OF WISCONSIN, MADISON, WIS. Immunogenetics and reproduction in Rhesus monkeys (also human).

RO1HD-07389-01 (CBY) COHEN, ALAN M, DEPT OF ANATOMY, JOHNS HOPKINS UNIV SCH OF MED, BALTIMORE, MD. Regulation of sympathetic neuroblast differentiation.

RO1HD-07390-01 (CBY) SAUNDERS, JOHN W, JR, DEPT OF BIOLOGICAL SCIENCES, STATE UNIV OF NEW YORK, ALBANY, ALBANY, N. Y. Control of limb development and deformity.

RO1HD-07394-01 (POP) SRGAL, DAVID, OBERLIN COLLEGE, 181 FOREST STREET, OBERLIN, OHIO. Efficiency aspects of the distribution of US city sizes.

RO1HD-07396-02 (POP) FLEISHER, BELTON M, OHIO STATE UNIVERSITY, 1775 SOUTH COLLEGE ROAD, COLUMBUS, OHIO. Household formation, fertility, and market activity.

RO1HD-07397-02 (POP) WILKIE, RICHARD W, UNIVERSITY OF MASSACHUSETTS, 2 SHAYS STREET, AMHERST, MASS. Population study of rural migrants in urban areas.

RO1HD-07403-02 (EDC) PAEADISE, JACK L, CHILDREN'S HOSP OF PITTSBURGH, 125 DE SOTO STREET, PITTSBURGH, PA. Indications for tonsillectomy and adenoidectomy.

RO1HD-07406-01 (NEUB) RADIN, NORMAN S, UNIVERSITY OF MICHIGAN, 205 NORTH FOREST, ANN ARBOR, MICH. Chemotherapy and models of heritable sphingolipidoses (rats).

RO1HD-07410-02 (POP) POLLAKOWSKI, HENRY O, UNIVERSITY OF WASHINGTON, 301 SAVERY DK-30, DEPT OF ECON, SEATTLE, WASH. Economic determinants of population distribution (San Francisco).

RO1HD-07412-02 (POP) HOFFMAN, LOIS W, UNIVERSITY OF MICHIGAN, SCH OF PUBLIC HLTH II RM M4523, ANN ARBOR, MICH. Fertility motivation and career conflict in women.

RO1HD-07416-03 (HED) JOHNSON, E MARSHALL, JEFFERSON MEDICAL COLLEGE, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA. Histochemical changes associated with teratogenesis (rats, chick embryo).

RO1HD-07419-02 (HED) KRUKOWSKI, MARILYN, WASHINGTON UNIVERSITY, DEPARTMENT OF BIOLOGY, ST LOUIS, MO. Bone development and calcium metabolism in fetal rats.

RO1HD-07420-01 (HED) WOODS, JAMES B, DE PAUL UNIVERSITY, 1036 WEST BELDEN AVENUE, CHICAGO, ILL. Sex hormone production and secretion in the chick embryo.

RO1HD-07422-02 (END) PRESLOCK, JAMES P, UNIVERSITY OF TEXAS, 1018 BLODGETT, HOUSTON, TEX. Regulation of pineal enzymic activity by sex steroids (quail).

RO1HD-07447-01 (HED) HANDWERGER, STUART, BOX 3080, DUKE UNIV MED CTR, DURHAM, N. C. Chemistry and physiology of placental lactogen (human, sheep).

RO1HD-07454-02 (REB) MORRIS, NAOMI M, UNIVERSITY OF NORTH CAROLINA, DEPT OF MATERNAL & CHILD HLTH, CHAPEL HILL, N. C. Human sexual behavior and an olfactory pheromone.

RO1HD-07440-02 (HED) STEINSCHEIDER, ALFRED, S U N Y UPSTATE MEDICAL CTR, 750 EAST ADAMS STREET, SYRACUSE, N. Y. Sleep apnea and the sudden infant death syndrome.

RO1HD-07441-01 (MBY) RADIN, HOWARD P, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. An inhibitor of DNA synthesis of placental origin (human, rats).

RO1HD-07444-01 (MET) VOLPE, JOSEPH J, ST LOUIS CHILDREN'S HOSPITAL, 500 SOUTH KINGSHIGHWAY BLVD, ST LOUIS, MO. Regulation of fatty acid synthesis during development (mice, rats).

RO1HD-07445-01 (MET) MURPHY, JEROME V, CHILDREN'S HOSP OF PITTSBURGH, 125 DESOTO STREET, PITTSBURGH, PA. Enzymatic detection of neurodegenerative disorders (human).

RO1HD-07476-01 (MET) MAUDSLEY, DAVID V, WORCESTER FDN-EXPER BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Diamine metabolism in tissue growth (rat placenta).

RO1HD-07478-02 (PTHA) HEIM, WERNER G, COLORADO COLLEGE, DEPARTMENT OF BIOLOGY, COLORADO SPRINGS, COLO. Effect of rat alpha-2 macroglobulin on cell adhesion (rats, chick embryo).

RO1HD-07479-02 (EXP) RIOPPELLE, ARTHUR J, LOUISIANA STATE UNIVERSITY, DEPT OF PSYCHOLOGY, BATON ROUGE, LA. Pre-and post natal undernutrition and adaptive capacity (monkeys).

RO1HD-07480-01 (POP) KAY, MARGARITA A, COLLEGE OF NURSING, UNIVERSITY OF ARIZONA, TUCSON, ARIZ. The ethnosemantics of Mexican American fertility.

RO1HD-07481-03 (REB) GARNER, DUANE L, OKLAHOMA STATE UNIVERSITY, DEPT OF PHYSIOLOGICAL SCIENCES, STILLWATER, OKLA. Enzymology of mammalian sperm acrosomes (bulls, rams, rabbits).

RO1HD-07483-01 (CMS) BRADLEY, ROBERT M, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Functional development of the gustatory sense (sheep).

PO1HD-07495-02 (HDPR) O'MALLEY, BERT W, DEPT OF CELL BIOLOGY, BAYLOR COLLEGE OF MEDICINE, HOUSTON, TEX. Center for population research, studies in reproductive biology.

PO1HD-07495-02 0001 (HDPR) O'MALLEY, BERT W. Center for population research, studies in reproductive biology—Estrogen regulation of reproductive tissue growth and differentiation (chickens).

PO1HD-07495-02 0002 (HDPR) CLARK, JAMES H. Center for population research, studies in reproductive biology—Quantitative estrogen-receptor interactions with target cell nuclei (rats).

PO1HD-07495-02 0003 (HDPR) TENG, CHING-SUNG. Center for population research, studies in reproductive biology—Receptors during embryogenesis, differentiation of reproductive tissues (chickens).

PO1HD-07495-02 0004 (HDPR) SCHRADER, WILLIAM T. Center for population research, studies in reproductive biology—Steroid interactions with target tissue receptors (chickens, rats).

PO1HD-07495-02 0005 (HDPR) PECK, ERNEST J JR. Center for population research, studies in reproductive biology—Brain receptors for steroid hormones (rats).

PO1HD-07495-02 0006 (HDPR) GLASSER, STANLEY R. Center for population research, studies in reproductive biology—RNA polymerase regulation in tissues for reproductive hormones (rats, chickens).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1HD-07495-02 0007 (HDPR) O'MALLEY, BERT W. Center for population research, studies in reproductive biology—Mechanism of progesterone regulation of a specific gene function (chickens).

PO1HD-07495-02 0008 (HDPR) SMITH, ROY G. Center for population research, studies in reproductive biology—Organic synthesis of steroidal anti-progestins (chickens).

PO1HD-07495-02 0009 (HDPR) SCHRADER, WILLIAM T. Center for population research, studies in reproductive biology—Isolation and purification of progesterone receptors (chicken, rat, guinea pig).

PO1HD-07495-02 0010 (HDPR) TENG, CHING-SUNG. Center for population research, studies in reproductive biology—Sex-steroid induced differentiation of avian urogenital system (chickens).

PO1HD-07495-02 0011 (HDPR) STROTT, CHARLES A. Center for population research, studies in reproductive biology—Progesterone in relation to receptor molecule (rats, chickens, human).

PO1HD-07495-02 0012 (HDPR) STROTT, CHARLES A. Center for population research, studies in reproductive biology—Sex steroids—synthesis and secretion (mammals).

PO1HD-07495-02 0013 (HDPR) STROTT, CHARLES A. Center for population research, studies in reproductive biology—Development of new assay methods for steroid hormones and precursors.

PO1HD-07495-02 0014 (HDPR) HUCKINS, CLAIRE. Center for population research, studies in reproductive biology—Control and regulation of spermatogenesis (rodents).

PO1HD-07495-02 0015 (HDPR) HUCKINS, CLAIRE. Center for population research, studies in reproductive biology—Morphology and kinetics of spermatogonial population (human, squirrel, monkeys).

PO1HD-07495-02 0016 (HDPR) MEANS, ANTHONY R. Center for population research, studies in reproductive biology—Mechanism of action of gonadotropins (rats).

PO1HD-07495-02 0017 (HDPR) ROSEN, JEFFERY M. Center for population research, studies in reproductive biology—Hormonal regulation of gene expression (chickens).

PO1HD-07495-02 0018 (HDPR) COMSTOCK, JOHN P. Center for population research, studies in reproductive biology—Regulation of protein synthesis in reproductive tissues.

PO1HD-07495-02 0019 (HDPR) CHENG, CHRISTINA T. Center for population research, studies in reproductive biology—Chromatin proteins in growth of reproductive tissues (chickens).

PO1HD-07495-02 0020 (HDPR) WRAY, VIRGINIA P. Center for population research, studies in reproductive biology—Nuclear membrane in reproductive tissue (chickens).

PO1HD-07495-02 0021 (HDPR) KOHLER, PETER O. Center for population research, studies in reproductive biology—Nuclear transplantation (amphibians).

PO1HD-07495-02 0022 (HDPR) WRAY, G WAYNE. Center for population research, studies in reproductive biology—Structure and function of chromosomes in reproductive tissues (chickens).

PO1HD-07495-02 0023 (HDPR) KOHLER, PETER O. Center for population research, studies in reproductive biology—Cell hybridization (human, mice).

PO1HD-07495-02 0024 (HDPR) SOCHER, SUSAN H. Center for population research, studies in reproductive biology—Analysis of cell proliferation in reproductive tissues (chickens).

PO1HD-07495-02 0025 (HDPR) KOHLER, PETER O. Center for population research, studies in reproductive biology—Culture of endocrine reproductive cells (chickens, rats, human).

PO1HD-07495-02 0026 (HDPR) GLASSER, STANLEY R. Center for population research, studies in reproductive biology—Characterization and regulation of ovum-uterus interaction (rats, mice).

PO1HD-07495-02 0027 (HDPR) STROTT, CHARLES A. Center for population research, studies in reproductive biology—Progesterone interactions with brain neurons.

PO1HD-07495-02 0028 (HDPR) BESCH, PAIGE K. Center for population research, studies in reproductive biology—Clinical correlations to basic reproduction research (human).

PO1HD-07495-02 0029 (HDPR) O'MALLEY, BERT W. Center for population research, studies in reproductive biology—Non-steroidal luteolytic agents (rats).

PO1HD-07495-02 0030 (HDPR) O'MALLEY, BERT W. Center for population research, studies in reproductive biology—Factors controlling formation of blood-testis barrier (rats).

RO1HD-07496-01 (REB) CARTER, CAROL S, DEPT OF PSYCHOLOGY, UNIV OF ILLINOIS, CHAMPAIGN, ILL. Environmental and hormonal control of estrus (hamsters).

RO1HD-07497-01 (OMA) LOWENSTEIN, LEAH M, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS 02118. Aging in the kidney (rats).

RO1HD-07499-01 (REB) NORMAN, REID L, OREGON REG PRIMATE RESEARCH CT, 505 N W 185TH AVENUE, BEAVERTON, OREGON. Neuroendocrine control of LH release in the hamster.

RO1HD-07503-02 (REB) MEANS, ANTHONY R, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Biology of the testis—Action of FSH (rats).

RO1HD-07504-02 (REB) SCHWARTZ, NEENA B, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Environmental and hormonal interplay of ovulation (rats, mice).

RO1HD-07511-01 (HED) MASON, JAMES M, 858 MADISON AVENUE, MEMPHIS, TENN. Pathogenesis of sudden infant death syndrome (human, rats).

RO1HD-07516-02 (MET) JOSHI, VASUDEV C, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND, HOUSTON, TEX. Fatty acid synthesis in heart (chick embryo).

RO1HD-07517-01 (EXP) GRISWOLD, JOSEPH G, DEPT OF BIOLOGY, CITY COLLEGE OF NEW YORK, NEW YORK, N. Y. Functional analysis of filial behavior development.

RO1HD-07524-02 (NEUA) WALTER, DONALD O, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Artifact reduction for children's EEG.

RO1HD-07532-01 (POP) SIMON, JULIAN L, 313 COMMERCE WEST, URBANA, ILL. Fertility effect of income on various birth orders.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HD-07534-01 (HED) DUKELOW, W RICHARD, ENDOCRINE RESEARCH UNIT, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Cytogenetics of primate development (monkeys, rabbits).
- RO1HD-07545-01 (POP) VALINS, STUART, DEPT OF PSYCHOLOGY, STATE UNIV OF NEW YORK, STONY BROOK, N Y. Antecedents and consequences of overcrowding.
- RO1HD-07547-01 (NEUA) BONDAREFF, WILLIAM, NORTHWESTERN UNIV MED SCHOOL, 303 E CHICAGO AVE, CHICAGO, ILL. Age changes in the neuronal microenvironment (rats).
- RO1HD-07548-01 (IMB) HOOK, REUEL R, JR, SINCLAIR COMPARATIVE MED RES, ROUTE 3, COLUMBIA, MO. Immunologic impairment in protein-calorie disease (mice).
- RO1HD-07551-01 (POP) WAGNER, MAZIE E, SUCB, 3RD SOUTH WING, 1300 ELMWOOD AVENUE, BUFFALO, N Y. Child spacing and family size in population planning.
- RO1HD-07552-02 (POP) YAMAMURA, KOZO, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ECONOMICS, SEATTLE, WASH. Economic study of fertility decline in postwar Japan.
- RO1HD-07559-01 (BM) ANTHONY, BASCOM F, HARBOR GENERAL HOSPITAL, 1000 W CARSON STREET, TORRANCE, CALIF. Group B streptococci in perinatal disease (human, rats, rabbits).
- RO1HD-07562-01 (HED) SMITH, CARL H, DEPT OF PEDIATRICS, 500 S KINGSHIGHWAY, ST LOUIS, MO. Placental mechanisms of amino acid transfer (human).
- RO1HD-07565-01 (POP) DAY, RICHARD H, UNIV OF WISCONSIN, 1180 OBSERVATORY DR, MADISON, WIS. Dynamic 'World system' models.
- PO1HD-07578-01 (HDGD) POMON, SAMUEL J, UNIVERSITY OF IOWA, DEPT OF PEDIATRICS, IOWA CITY, IOWA. Growth and nutrition of normal infants.
- PO1HD-07578-01 0001 (HDGD) POMON, SAMUEL J. Growth and nutrition of normal infants-Normative data (human).
- PO1HD-07578-01 0002 (HDGD) POMON, SAMUEL J. Growth and nutrition of normal infants-Effects of dietary composition on food consumption and growth (human).
- PO1HD-07578-01 0003 (HDGD) POMON, SAMUEL J. Growth and nutrition of normal infants-Proteins and amino acids (human).
- PO1HD-07578-01 0004 (HDGD) POMON, SAMUEL J. Growth and nutrition of normal infants-Fats (human).
- PO1HD-07578-01 0005 (HDGD) POMON, SAMUEL J. Growth and nutrition of normal infants-Carbohydrates (human).
- PO1HD-07578-01 0006 (HDGD) POMON, SAMUEL J. Growth and nutrition of normal infants-Minerals-Calcium, phosphorus, magnesium (human).
- RO1HD-07582-02 (EDC) RAY, CHARLES O, CHILDREN'S ORTHOPEDIC HOSP, 4800 SAND POINT WAY N E, SEATTLE, WASH. Epidemiologic studies of sudden unexpected death in primates (Macaca).
- RO1HD-07598-01 (POP) SCHOEN, ROBERT, UNIVERSITY OF ALABAMA, P O BOX 6109, UNIVERSITY, ALA. Demographic portrait of Spanish-surnamed Californians.
- RO1HD-07599-01 (POP) HAINES, MICHAEL R, CORNELL UNIVERSITY, SOCIAL SCIENCE BUILDING, ITHACA, N Y. Occupation and the economic determinants of fertility.
- RO1HD-07602-02 (REB) SPIES, HAROLD G, OREGON REG PRIMATE RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Neural influence on hypophysial-gonadal function (monkeys, rats).
- RO1HD-07614-01 (EXP) GUMBERMAN, RICHARD K, MEZES HALL 211, UNIV OF TEXAS AT AUSTIN, AUSTIN, TEX. Development of human visual information processing.
- RO1HD-07618-01 (POP) MACCLUER, JEAN W, DEPARTMENT OF BIOLOGY, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PA. Human population structure-A computer simulation.
- RO1HD-07619-01 (POP) SOLTOW, LEE C, OHIO UNIVERSITY, 318 COPELAND HALL, ATHENS, OHIO. Children and inheritance of wealth.
- RO1HD-07624-02 (ALY) SEGRE, DIEGO, UNIVERSITY OF ILLINOIS, COLLEGE OF VETERINARY MEDICINE, URBANA, ILL. Parameters of the immune response in aged mice.
- RO1HD-07625-01 (BIO) BENSON, ROBERT W, HEALTH SCIENCES CENTER, UNIVERSITY OF LOUISVILLE, LOUISVILLE, KY. Control of transcription in aging animals (mice).
- RO1HD-07627-01 (PC) CHANG, SIMON H, DEPT OF BIOCHEMISTRY, LOUISIANA STATE UNIVERSITY, BATON ROUGE, LA. Role of transfer RNA in cellular aging (human).
- RO1HD-07629-02 (POP) DYE, THOMAS R, FLORIDA STATE UNIVERSITY, DEPARTMENT OF GOVERNMENT, TALLAHASSEE, FLA. Population-policy linkages in cities and suburbs.
- RO1HD-07632-01 (REB) GRAHAM, EDMUND F, ROOM 130 HAECKER HALL, UNIVERSITY OF MINNESOTA, ST PAUL, MINN. Freeze drying of nucleated mammalian cells (cattle).
- PO1HD-07640-01 (HDPR) LITTLE, A BRIAN, UNIVERSITY HOSPITALS OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Program project in reproductive biology.
- PO1HD-07640-01 0001 (HDPR) BILLAR, REINHART B. Program project in reproductive biology-Mechanism of action, progesterone in the mammalian uterus-Uteroglobin (rabbit).
- PO1HD-07640-01 0003 (HDPR) LITTLE, A BRIAN. Program project in reproductive biology-Progesterone in the primate brain-Gonadotropin secretion.
- PO1HD-07640-01 0004 (HDPR) MEIGS, ROBERT A. Program project in reproductive biology-Regulation of estrogen and progesterone biosynthesis (human).
- PO1HD-07640-01 0005 (HDPR) ROTHCHILD, IRVING. Program project in reproductive biology-Changes in control of the corpus luteum induced by implantation (rats).
- PO1HD-07640-01 0006 (HDPR) SCHNATZ, PAUL T. Program project in reproductive biology-Relation of ovarian blood flow to steroid secretion (dogs, monkeys).
- RO1HD-07642-01 (IMB) HARRIS, T M, THE CHILDREN'S HOSP OF PHILA, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Aging and immune response to transplants and tumors (mice).
- RO1HD-07645-01 (POP) CORNWALL, JOHN L, SOUTHERN ILLINOIS UNIVERSITY, DEPT OF ECONOMICS, CARBONDALE, ILL. Economic policy in relation to population growth.
- RO1HD-07649-01 (EXP) NEURINGER, MARTHA D, OREGON REG PRIMATE RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Behavioral effects of early malnutrition in monkeys.
- RO1HD-07651-02 (END) GOSPODAROWICZ, DENIS J, SALK INST-BIOLOGICAL STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Ovarian growth factor, control of ovarian tumors (rats).
- RO1HD-07655-01 (REB) HUCKINS, CLAIRE, BAYLOR COLL OF MED, 1200 MOUR-SUND AVENUE, HOUSTON, TEXAS. Behavior of stem cell spermatogonia in rodent testes.
- RO1HD-07658-01 (END) RESKO, JOHN A, OREGON REGIONAL PRIMATE RES CT, 505 N W 185TH AVE, BEAVERTON, OREG. Steroid hormones and fetal development (primates).
- RO1HD-07659-02 (CBY) DAVIS, FRANCIS C, UNIVERSITY OF FLORIDA, DEPARTMENT OF ZOOLOGY, GAINESVILLE, FLA. Gene expression during oogenesis and embryogenesis (marine worms).
- RO1HD-07664-02 (REB) STEINBERGER, ANNA, UNIVERSITY OF TEXAS, 102 JESSE H JONES LIBRARY, HOUSTON, TEX. Gonadotropin secretion in LH and FSH clone cultures (rats).
- RO1HD-07667-01 (GMB) CHIESLEY, LEON C, MARGARET HAGUE MATERNITY HOSP, JERSEY CITY, N J. Follow-up of eclamptic and of rheumatic cardiac women.
- RO1HD-07681-01 (HED) COHN, HERBERT E, NEW ENGLAND MED CTR HOSPITAL, 171 HARRISON AVENUE, BOSTON, MASS. Fetal cardiovascular response to asphyxia (sheep).
- RO1HD-07682-02 (POP) SWEET, JAMES A, UNIVERSITY OF WISCONSIN, 3224 SOCIAL SCIENCE BUILDING, MADISON, WIS. Differential fertility in the United States, 1960-1970.
- RO1HD-07685-01 (END) GABRILOVE, J LESTER, MT SINAI SCHOOL OF MEDICINE, 1 EAST 100TH ST, NEW YORK, N Y. Gynecostasia-Hormonal and testicular abnormalities.
- RO1HD-07689-02 (REB) KARSCH, FRIED J, UNIVERSITY OF MICHIGAN, DEPARTMENT OF PATHOLOGY, ANN ARBOR, MICH. Functional luteolysis in primates-Role of estrogen.
- RO1HD-07690-01 (REB) KELCH, ROBERT P, F22HD C S MOTT HOSPITAL, UNIV OF MICHIGAN MEDICAL CTR, ANN ARBOR, MICH. Regulation of estrogen production by mammalian testes (human, rats).
- RO1HD-07693-01 (END) KORENMAN, STANLEY G, 3E 48, VETERANS ADMINISTRATION HOSPIT, IOWA CITY, IOWA. Hormonal interactions in uterus (cattle).
- RO1HD-07694-02 (MET) CONIGLIO, JOHN G, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Lipid chemistry and metabolism in reproductive tissue (rats, mice).
- RO1HD-07695-01 (NEUB) COLEMAN, MARY P, 2425 L STREET N W, WASHINGTON, D C. Serotonin screening of neonates (human).
- RO1HD-07700-01 (EDC) JANERICH, DWIGHT T, 84 HOLLAND AVE, ALBANY, N Y. Half-sib study of anencephaly and spina bifida (human).
- RO1HD-07703-01 (MBY) POLGAR, PETER, BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. Participation of cyclic AMP system in cellular aging (WI-38 cells).
- RO1HD-07706-01 (DBR) VANDERPLAS, JAMES M, WASHINGTON UNIVERSITY, LINDLELL & SKUNKER BLVD, ST LOUIS, MO. Incremental cognitive function in aging.
- RO1HD-07707-02 (HED) MAIZE, CHARLES E, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Pediatric parenteral alimentation-Metabolic studies.
- RO1HD-07708-01 (IMB) TYAN, MARVIN L, DENTAL RESEARCH CENTER, UNIV OF NORTH CAROLINA, CHAPEL HILL, N C. Immune system stem cells-In ontogenesis and aging (mice).
- RO1HD-07711-01 (REB) FREEMAN, MARC E, DEPARTMENT OF BIOLOGICAL SCI, FLORIDA STATE UNIVERSITY, TALLAHASSEE, FLA. Extra-ovarian control of gonadotropin secretion (rats).
- RO1HD-07714-01 (BRCA) LEE, JOHN W, UNIVERSITY OF GEORGIA, ATHENS, GA. Biological reactions of laser generated singlet oxygen.
- RO1HD-07716-01 (SSS) MC KAY, HARRISON E, NORTHWESTERN UNIVERSITY, SCHOOL OF EDUCATION, EVANSTON, ILL. Stimulation, nutrition and development of competence (Columbia children).
- RO1HD-07717-01 (POP) GOLD, ALICE R, PSYCHOLOGY DEPT JUDD HALL, WESLEYAN UNIVERSITY, MIDDLETOWN, CONN. Contraceptive method and female sexual arousal (human).
- RO1HD-07719-01 (ALY) FRANKLIN, EDWARD C, 550 FIRST AVENUE, NEW YORK, N Y. Immunologic studies of amyloid accompanying aging (human).
- RO1HD-07720-01 (CBY) BLACKLER, ANTONNE W, 239 PLANT SCIENCE, CORNELL UNIVERSITY, ITHACA, N Y. Organization of the amphibian egg (toads).
- RO1HD-07722-01 (END) GALA, RICHARD B, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. Neural regulation of prolactin secretion in the rat.
- RO1HD-07727-02 (REB) MENAKER, MICHAEL, DEPARTMENT OF ZOOLOGY, UNIVERSITY OF TEXAS, AUSTIN, TEX. Photoperiodic control of reproduction (hamsters).
- RO1HD-07729-01 (REB) MENON, K JAYARAM, DEPT OF OBSTET & GYNECOLOGY, UNIV OF MICHIGAN MED CTR, ANN ARBOR, MICH. Regulation of LH release by gonadotropin releasing factor.
- RO1HD-07739-01 (POP) ROSEN, RUTH A, DEPT OF SOCIOLOGY, 101 LIBRARY COURT, DETROIT, MICH. Decision making on unplanned pregnancies.
- RO1HD-07740-01 (BIO) GERSHON, DAVID, DEPARTMENT OF BIOLOGY, TECHNION-ISRAEL INST TECH, HAIFA, ISRAEL. Faulty protein molecules in senescence and death (mice, nematodes).
- RO1HD-07741-01 (GEN) MARKERT, CLEMENT L, YALE UNIVERSITY, 165 PROSPECT STREET, NEW HAVEN, CONN. Biochemical and cellular analyses of embryonic development (marine fish, mammals).
- RO1HD-07745-01 (IMB) GELFANT, SEYMOUR, DEPT OF DERMATOLOGY, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA. Role of immunocytes and immunosuppressants in aging (mice).
- RO1HD-07746-01 (IMB) LOSPALLUTO, JOSEPH J, UNIV OF TEXAS SOUTHWESTERN, 5323 HARRY HINES BLVD, DALLAS, TEX. Lymphoid cell function and aging (mice, rabbits).
- RO1HD-07749-02 (NEUA) JOHNSON, JAMES H, VIRGINIA COMMONWEALTH UNIV, DEPT OF ANATOMY, RICHMOND, VA. Neuroelectric correlates of gonadotropin release (rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01HD-07752-01 (ALY) SCHLAMOWITZ, MAX, UNIV OF TEXAS AT HOUSTON, 6723 BERTNER AVE, HOUSTON, TEX. Cell membrane receptors for maternal transfer of IgG (rabbits).	R01HD-07895-01 (HED) MARTIN, JOAN C, UNIVERSITY OF WASHINGTON, DEPT OF PSYCHIATRY, RP-10, SEATTLE, WASH. Consequence of in utero treatment (rats).
R01HD-07753-01 (BBCA) GHROTTI, ALBERT W, 561 NORTH FIFTEENTH STREET, MILWAUKEE, WIS, MILWAUKEE, WIS. Photochemistry of the bilirubin-serum albumin complex (human, cattle).	R01HD-07900-01 (HED) CADDILL, JOAN L, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BLVD, ST LOUIS, MO. Magnesium status of poor urban mothers and babies.
R01HD-07755-01 (DBR) BISSDORFER, CARL, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Learning and psychophysiological studies in the aged.	R01HD-07901-04 (IAB) COHEN, NICHOLAS, UNIVERSITY OF ROCHESTER, DEPT OF MICROBIOLOGY, ROCHESTER, N Y. Comparative and developmental immunology (amphibians, mice).
R01HD-07758-02 (GMB) WOODS, JAMES W, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N C. Oral contraceptives and hypertension (rats).	R01HD-07907-01 (SSS) RICHARDSON, STEPHEN A, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, NEW YORK, N Y. Growing up as a mentally subnormal young person (Aberdeen, Scotland).
R01HD-07762-01 (REB) BUTCHER, ROY L, DEPT OF OBSTETRICS & GYNECOLOG, WEST VIRGINIA UNIV MED CENTER, MORGANTOWN, W VA. Hormonal regulation of luteal function and regression (rats).	R01HD-07900-01 (CBY) MAKMA, RAZIEL S, SCHOOL OF BIOLOGICAL SCIENCES, UNIVERSITY OF KENTUCKY, LEXINGTON, KY. Metaplasia in nondividing cell system (insects).
R01HD-07768-01 (DBR) HARKES, DAVID T, DEPARTMENT OF PSYCHOLOGY, THE UNIV OF TEXAS AT AUSTIN, AUSTIN, TEX. Emergence of linguistic intuitions in children.	R01HD-07911-01 (REB) BURKE, WILLIAM H, UNIVERSITY OF MINNESOTA, DEPT OF ANIMAL SCIENCE, ST PAUL, MINN. Sperm storage in avian oviducts (chickens, turkeys).
R01HD-07769-01 (IAB) PHAIR, JOHN P, DEPT OF MEDICINE K-4, CINCINNATI GENERAL HOSPITAL, CINCINNATI, OHIO. Host defenses and auto-immunity in the aged (human).	R01HD-07914-01 (POP) SABBAN, DAVID W, UNIVERSITY OF PITTSBURGH, DEPT OF HISTORY, PITTSBURGH, PA. Population and kinship in Neckarhausen 1500-1870.
R01HD-07770-01 (EXP) RABE, AUSMA, FOOTE BUILDING - BOX 1000, NEW JERSEY NEUROPSYCHIATRIC IN, PRINCETON, N J. Animal model for mental deficiency (ferret).	R01HD-07915-01 (HED) DZJUK, PHILIP J, UNIVERSITY OF ILLINOIS, 111 ANIMAL GENETICS, URBANA, ILL. Development and parturition of headless porcine fetuses.
R01HD-07772-01 (EXP) BERNBACH, HARLEY A, DEPT OF PSYCHOLOGICAL SCIENCE, PURDUE UNIVERSITY, WEST LAFAYETTE, IND. Asymptotic recognizability and recognition memory.	R01HD-07916-01 (REB) CRAMER, ONEDA M, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD 21201. Neuroendocrine correlates of gonadotropin secretion (rats).
R01HD-07773-01 (PC) WENGER, DAVID A, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Beta-galactosidase activity related to mental retardation (human).	R01HD-07923-02 (REB) RYAN, KENNETH J, 221 LONGWOOD AVENUE, BOSTON, MASS. Steroid hormone metabolism.
R01HD-07775-13 (VR) KILHAM, LAWRENCE, DEPT OF MICROBIOLOGY, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. Picodnaviruses, monogonism, hepatitis, and leukemia (rats, mice, swine, hamsters).	R01HD-07923-02 0001 (REB) RYAN, KENNETH J. Steroid hormone metabolism—Brain aromatization (sub-human mammals).
R01HD-07778-02 (IAB) HONG, RICHARD, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Immune deficiency (human).	R01HD-07923-02 0002 (REB) RYAN, KENNETH J. Steroid hormone metabolism—Progesterone binding to myometrium (human, mammals).
R01HD-07779-01 (IAB) CLAMAN, HENRY N, UNIVERSITY OF COLORADO MED CTR, 4200 E NINTH AVENUE, DENVER, COLO. Immunological changes in aging (mice).	R01HD-07923-02 0003 (REB) RYAN, KENNETH J. Steroid hormone metabolism—Biosynthesis in ovarian corpus luteum (monkeys, human).
R01HD-07784-01 (IAB) BAUM, JOHN, THE UNIV OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Immunological studies in an aging population.	R01HD-07923-02 0004 (REB) RYAN, KENNETH J. Steroid hormone metabolism—Control of placental function (human).
R01HD-07796-02 (CBY) EMERSON, CHARLES P, JR, UNIVERSITY OF VIRGINIA, GILMER HALL, CHARLOTTESVILLE, VA. Control of myosin synthesis during muscle differentiation (rats, quail).	R01HD-07923-02 0005 (REB) RYAN, KENNETH J. Steroid hormone metabolism—RNA metabolism (chickens).
R01HD-07799-01 (END) GRANDE, FRANCISCO, MOUNT SINAI HOSPITAL, 2215 PARK AVENUE, MINNEAPOLIS, MINN. Effect of age on adipose tissue lipolysis (goose).	R01HD-07924-01 (EDC) MACK, ROBERT W, UNIVERSITY OF PENNSYLVANIA, 36TH AND HAMILTON WALK, PHILADELPHIA, PA. The relationship of infant growth to adolescent obesity (human).
R01HD-07806-01 (POP) GOETHALS, GEORGE W, HARVARD UNIVERSITY, 33 KIRKLAND STREETS, CAMBRIDGE, MASS. Marital intensity—A clinical and cross-cultural study.	R01HD-07926-01 (END) SORRENTINO, SANDY, JR, UNIV OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Human fetal neuroendocrinology.
R01HD-07817-01 (END) HOROWITZ, DONALD L, SMITHSONIAN INSTITUTION BLDG, 1000 JEFFERSON DRIVE, S W, WASHINGTON, D C. Ethnic politics and population composition.	R01HD-07929-01 (END) DAVID, RAPHAEL, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Linear growth and puberal maturation—Role of adrenal (human).
R01HD-07824-01 (REB) KLAPPER, MICHAEL M, OHIO STATE UNIVERSITY, 140 W 18TH AVENUE, COLUMBUS, OHIO. Sexual attraction in allomyces and focus.	R01HD-07932-01 (DBR) POZARD, JAMES L, VETERANS ADMIN OUTPATIENT CLIN, 17 COURT STREET, BOSTON, MASS. Mental performance and aging.
R01HD-07826-01 (CVB) BRYAN, M HEATHER, HOSPITAL FOR SICK CHILDREN, 555 UNIVERSITY AVENUE, TORONTO 101, ONTARIO. Respiratory loading in sudden infant death (human).	R01HD-07935-01 (IAB) SILVERSTEIN, ARTHUR M, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Mammalian lymphogenesis and immunogenesis (lambs).
R01HD-07830-03 (END) DAVIS, STEVEN L, UNIVERSITY OF IDAHO, DEPT OF ANIMAL INDUSTRIES, MOSCOW, IDAHO. Prolactin secretions and its reproductive function (sheep).	R01HD-07951-01 (TMP) WYATT, GERALD R, QUEEN'S UNIVERSITY, KINGSTON, CANADA. Biochemistry of development and regulation (silkworms).
R01HD-07831-01 (BCM) EYBLETH, PHYLLIS B, INST OF CHILD HEALTH, 30 GUILFORD ST, LONDON, W C 1, ENGLAND. Survey on worldwide variation in human growth and physique.	R01HD-07957-01 (POP) PERRUCCI, CAROLYN C, PURDUE UNIVERSITY, DEPT OF SOCIOLOGY & ANTHRO, LAFAYETTE, IND. Fertility and achievement of women college graduates.
R01HD-07841-01 (REB) NIETZ, TORRANCE M, DEPT OF PHYS AND BIOPHYSICS, COLORADO STATE UNIVERSITY, FORT COLLINS, COLO. Physiological role of Gn-RH (sheep, rats).	R01HD-07963-01 (CVA) KRAUSS, ALFRED N, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Respiratory chemosensitivity during sleep in infancy (human).
R01HD-07843-01 (END) PRIESEN, HENRY G, UNIVERSITY OF MANITOBA, DEPT OF PHYSIOLOGY & MEDICINE, WINNIPEG, CANADA. Placental and pituitary protein and polypeptide hormones (human, rabbit).	R01HD-07965-01 (PC) LEVINE, LAWRENCE, BRANDEIS UNIVERSITY, GRAD DEPT OF BIOCHEMISTRY, WALTHAM, MASS. Physiological role of prostaglandins.
R01HD-07844-02 (CBY) SPANGENBERG, DOROTHY B, UNIVERSITY OF COLORADO, MOLEC, CELLULAR & DEV BIO DEPT, BOULDER, COLO. Cytology of thymine-induced strobilation (jelly fish).	R01HD-07972-01 (REB) LEATHEN, JAMES H, RUTGERS UNIVERSITY, BUREAU OF BIOLOGICAL RESEARCH, NEW BRUNSWICK, N J. Ovarian involution in aging (rats).
R01HD-07849-02 (SOYB) COHEN, JONATHAN, J P KENNEDY MEM CHILDRENS HOSP, 50 WARREN STREET, BOSTON, MASS. Assay of tissue reaction to implanted materials (hamsters).	R01HD-07931-01 (EXP) MC GAUGH, JAMES L, DEPT OF PSYCHOBIOLOGY, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Psychophysiology of memory and aging (rats, mice).
R01HD-07850-01 (IAB) FIREMAN, PHILIP, CHILDREN'S HOSPITAL, 125 DESOTO STREET, PITTSBURGH, PA. Development of immediate hypersensitivity (human, rats).	R01HD-07983-01 (CBY) MAHOWALD, ANTHONY P, INDIANA UNIVERSITY, BLOOMINGTON, IND. Ultrastructural studies of embryonic determination (Drosophila).
R01HD-07856-01 (POP) CLAUSEN, JOHN A, UNIVERSITY OF CALIFORNIA, 1203 TOLMAN HALL, BERKELEY, CALIF. Role induction in pregnancy (human).	R01HD-07986-01 (MBY) JONES, RAYMOND P, S U N Y - AT STONY BROOK, STONY BROOK, N Y. Enzyme turnover during growth and development (chlorophyta).
R01HD-07857-03 (REB) O'MALLEY, BERT W, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Sex hormone receptor components and the cell genome (chicks, human, guinea pigs).	R01HD-07991-01 (EXP) JEWETT, DON L, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. Nutritional effects on auditory far fields (rats).
R01HD-07867-01 (DBR) LABOUVIE, GISELA V, UNIVERSITY OF WISCONSIN, 1025 WEST JOHNSON STREET, MADISON, WIS. Modifying intellectual behavior in aged (human).	R01HD-07993-01 (POP) GREGORY, PAUL R, DEPARTMENT OF ECONOMICS, UNIVERSITY OF HOUSTON, HOUSTON, TEX. Fertility and labor force patterns in U S women.
R01HD-07879-01 (GEN) JACOBS, PATRICIA A, UNIVERSITY OF HAWAII, 1960 EAST-WEST RD, BIOMED BLDG, HONOLULU, HAWAII. Program of research in population cytogenetics.	R01HD-07997-01 (GEN) MAGENIS, ELLEN R, 3181 SW SAM JACKSON PARK RD, PORTLAND, OREG, PORTLAND, ORE. Human chromosome mapping and behavior.
R01HD-07881-01 (POP) BRANDT, VINCENT S, RFD 3, PUTNEY, VT. Rural-urban migration and adaptation in Korea.	R01HD-06016-01 (DBR) SCARR-SALAPATEK, SANDRA W, 206 CHILD DEVELOPMENT, UNIV OF MINN, MINNEAPOLIS, MINN. Behavior genetic studies of adoptive and natural families.
R01HD-07889-01 (PC) SCHACHTER, HARRY, UNIVERSITY OF TORONTO, MEDICAL SCIENCES BUILDING, TORONTO 181, ONTARIO, CANAD. Glycoprotein-glycolipid metabolism in spermatogenesis (mice).	R01HD-06018-01 (REB) BERGER, STANLEY A, UNIVERSITY OF CALIFORNIA, DEPT OF MECHANICAL ENGR, BERKELEY, CALIF. Sperm transport in cervical mucus (human).
R01HD-07894-01 (HEM) KITCHEN, HYRAM, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Home metabolism in fetuses, newborns and adults (animals).	R01HD-08025-01 (HED) METCALPE, JAMES, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Exercise hemodynamics and respiration in pregnancy (human, goats).
	R01HD-08031-01 (POP) CHOLDIN, HARVEY M, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF ILLINOIS, URBANA, ILL. Density and pathology in urban areas.
	R01HD-08034-01 (REB) LONGCOPE, CHRISTOPHER, WORCESTER FDN EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Reproductive function and gonadal steroid dynamics (human, monkeys).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1HD-08035-01 (REB) JAFFE, ROBERT B, UNIVERSITY OF CALIFORNIA, DEPT OF OB/GYN, SAN FRANCISCO, CALIF. Regulation of the human hypothalamic-pituitary system.

RO1HD-08037-11 (MBY) CONRAD, H EDWARD, UNIVERSITY OF ILLINOIS, DEPARTMENT OF BIOCHEMISTRY, URBANA, ILL. Polysaccharide structure and activity (bacteria, chick embryo, *Xenopus*).

RO1HD-08063-01 (DBR) ROSE, SUSAN A, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Overcoming the adverse effects of prematurity.

RO1HD-08074-01 (POP) OSKAMP, STUART, CLAREMONT GRADUATE SCHOOL, PSYCHOLOGY DEPARTMENT, CLAREMONT, CALIF. Prediction of failures in contraceptive planning.

RO1HD-08086-01 (CBY) BODE, HANS R, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Regulation of multipotent cell differentiation (hydra).

RO1HD-08099-01 (REB) LEE, CHING Y, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Mode of action of luteinizing hormone (rats).

RO1HD-08112-01 (POP) BEAVER, STEVEN E, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DR SUITE 7221, NEW YORK, N Y. Socioeconomic determinants of US post-war natality.

RO1HD-08124-01 (HED) HELLBOERS, ANDRE E, GEORGETOWN UNIVERSITY, 37TH & O STREETS, N W, WASHINGTON, D C. Blood substitute and circulation (sheep).

RO1HD-08126-01 (REB) AHMAD, NAZIR, UNV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVE, LOS ANGELES, CALIF. Androgenic regulation of spermatogenesis (rats).

RO1HD-08129-01 (END) MC CRACKEN, JOHN A, WORCESTER FDN EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Endocrine function of transplanted uterus and ovary (sheep).

RO1HD-08130-01 (HED) CORBETT, THOMAS H, UNIVERSITY OF MICHIGAN, DEPT OF ANESTHESIA, ANN ARBOR, MICH. Teratogenicity of anesthetics (rats).

RO1HD-08135-01 (EXP) MAHUT, HELEN S, NORTHEASTERN UNIVERSITY, PSYCHOLOGY DEPARTMENT, M-409, BOSTON, MASS. Hippocampus-A neuropsychological developmental study (monkeys).

RO1HD-08139-01 (HED) MAEVE, RICHARD L, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Environmental factors and perinatal mortality.

RO1HD-08145-01 (MBB) YUNIS, EDMOND J, UNIVERSITY OF MINNESOTA, BOX 198 MAYO, MINNEAPOLIS, MINN. Immunogenetics of aging in man.

RO1HD-08157-01 (CBY) GONA, AMOS G, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N J. Normal and thyroid-induced cerebellar maturation (frogs).

RO1HD-08168-01 (POP) SYKES, ZENAS M, JR, JOHNS HOPKINS SCH OF HYGIENE, 615 N WOLFE STREET, BALTIMORE, MD. Systems model of human fertility.

R13HD-08173-01 (POP) LIM, YOUNG, SOCIAL SCIENCE RES INSTITUTE, 1914 UNIVERSITY AVENUE, HONOLULU, HAWAII. ILCORR conference on population change in Korea.

RO1HD-08180-01 (REB) GOSPODAROWICZ, DENIS J, SALK INSTITUTE FOR BIO STUDIES, P O BOX 1809, SAN DIEGO, CALIF. LH receptor sites in luteal cells, luteotrophic factors (cattle).

PO1HD-08181-01 (HDAO) HAM, RICHARD G, DEPT OF MOLECULAR, CELLULAR BI, UNV OF COLORADO, BOULDER, COLO. Cell biology of aging.

PO1HD-08181-01 0081 (HDAO) PRESCOTT, DAVID M. Cell biology of aging-intracellular mechanisms in vitro (human, mammals nonhuman).

PO1HD-08181-01 0082 (HDAO) HAM, RICHARD C. Cell biology of aging-Extracellular control in vitro (rabbits, rats, human).

PO1HD-08181-01 0083 (HDAO) HAM, RICHARD C. Cell biology of aging-Effect of donor age on clonal growth (rabbits).

PO1HD-08181-01 0084 (HDAO) HIRSH, D I. Cell biology of aging-Genetic control (caenorhabditis).

PO1HD-08181-01 0085 (HDAO) HIRSH, D I. Cell biology of aging-Environmental control (caenorhabditis).

PO1HD-08181-01 0086 (HDAO) HIRSH, D I. Cell biology of aging-Morphology (caenorhabditis).

PO1HD-08181-01 0087 (HDAO) HIRSH, D I. Cell biology of aging-Biochemical analysis (caenorhabditis).

RO1HD-08182-05 (VR) JOHNSON, KENNETH P, CLEVELAND METRO GENERAL HOSP, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Virus effects on the fetal nervous system (mice, swine, guinea pigs).

RO1HD-08184-10 (VR) MARGOLIS, GEORGE, DARTMOUTH MEDICAL SCHOOL, DEPT OF PATHOLOGY, HANOVER, N H. Virus-cell interaction replication and differentiation (mice).

RO1HD-08185-01 (CBY) HUANG, RU-CHIH C, JOHNS HOPKINS UNIVERSITY, DEPT OF BIOLOGY, BALTIMORE, MD. Nucleo-cytoplasmic interactions during development and aging (human, rats).

RO1HD-08180-02 (REB) O'MALLEY, BERT W, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Reproductive hormones-Biology and molecular actions (chickens).

RO1HD-08192-02 (REB) GORSKI, JACK, UNIVERSITY OF WISCONSIN, 420 HENRY HALL, MADISON, WIS. Mechanism of action of estrogens (rats).

RO1HD-08194-01 (NEUB) CASPI, ELIAHU, WORCESTER FDN FOR EXPR BIO, I, 222 MAPLE AVENUE, SHREWSBURY, MASS. Prenatal protein malnutrition and brain steroids.

RO1HD-08202-02 (REB) GONDOS, BERNARD, UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY, 595 HSW, SAN FRANCISCO, CALIF. Gonadal differentiation in the human fetus.

RO1HD-08203-01 (HED) LANDAUER, WALTER, UNIVERSITY COLLEGE LONDON, WOLFSON HOUSE 4 STEPHENSON WAY, LONDON, NW1 ENGLAND. Molecular shape and teratogenic specificity.

RO1HD-08206-01 (EXP) SEATTY, WILLIAM W, DEPARTMENT OF PSYCHOLOGY, NORTH DAKOTA STATE UNIV, FARGO, N DAK. Sex differences in instrumental behavior (rats, hamsters).

RO1HD-08210-01 (CBY) GILBERT, JOHN J, DARTMOUTH COLLEGE, DEPT OF BIOLOGICAL SCIENCES, HANOVER, N H. Vitamin E-New bioassay, new effects, new compound (rodents).

RO1HD-08211-01 (REB) TURKINGTON, ROGER W, 2900 WEST OKLAHOMA AVE, MILWAUKEE, WISC. Reproductive biology of the testis (rats, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1HD-08218-02 (HED) TENG, CHING-SUNG, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Sex hormones-Controlled Mullerian duct differentiation (chick embryo).

RO1HD-08220-02 (EXP) BLIAS, MERRILL P, SYRACUSE UNIVERSITY, BROCKWAY HALL, SYRACUSE, N Y. Age effects on verbal and non-verbal processes.

RO1HD-08225-02 (END) SHERWOOD, LOUIS M, MICHAEL REESE HOSPITAL, 29TH STREET & ELLIS AVENUE, CHICAGO, ILL. Chemistry and physiology of placental lactogen (human, mice, rats).

RO1HD-08228-01 (END) REICHERT, LEO E, JR, DEPARTMENT OF BIOCHEMISTRY, EMORY UNIVERSITY, ATLANTA, GA. Testicular receptors of follicle-stimulating hormones (human, rats, primates).

RO1HD-08229-01 (REB) ABRAMS, ROBERT M, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Hormonal control of vaginal circulation (sheep, cattle, human).

RO1HD-08230-01 (END) MILLS, JOHN B, 3D, EMORY UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, ATLANTA, GA. Biochemistry of prolactin activity (mammals).

PO1HD-08235-01 (HIDPR) WREST, WALTER G, WASHINGTON UNIV SCH OF MEDIS, 660 S EUCLID, ST LOUIS, MO. Hormonal regulation of the reproductive tract.

RO1HD-08236-01 (GEN) HICHT, FREDERICK, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG 97201. Human chromosome structure, function and behavior.

RO1HD-08237-01 (GEN) LOVRIBIN, EVERETT W, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK ROAD, PORTLAND, OREG. Genetic linkage analysis in selected families.

PO1HD-08240-01 (HDMR) ROSS, LEONARD E, WAISMAN CTR ON MNTL RTRD, 2605 MARSH LANE, MADISON, WIS. Developmental processes in children at risk for MR.

PO1HD-08240-01 0001 (HDMR) LEAVITT, I A. Developmental processes in children at risk for MR-The orienting response and its habituation.

PO1HD-08240-01 0002 (HDMR) MORSE, P A. Developmental processes in children at risk for MR-Speech perception.

PO1HD-08240-01 0003 (HDMR) KLUPPEL, D D. Developmental processes in children at risk for MR-Speech and language in infants-Prediction of behavior at school age.

PO1HD-08240-01 0084 (HDMR) ROSS, I E. Developmental processes in children at risk for MR-Relationship of conditioning and information processing to intellectual deficit.

PO1HD-08240-01 0005 (HDMR) MCBANE, B M. Developmental processes in children at risk for MR-Rehearsal strategies and strategic transfer.

PO1HD-08240-01 0086 (HDMR) EVANS, R A. Developmental processes in children at risk for MR-Acquisition of information organizing strategies.

PO1HD-08240-01 0007 (HDMR) HEBER, R. Developmental processes in children at risk for MR-Prevention and immunization of behavior deficits.

RO1HD-08242-01 (DBR) RUFF, MOLLY A, BRIARCLIFF COLLEGE, ELM ROAD, BRIARCLIFF MANOR, N Y. Early development of human pattern perception.

RO1HD-08246-01 (DBR) SUCI, GEORGE J, COLLEGE OF HUMAN ECOLOGY, CORNELL UNIVERSITY, ITHACA, N Y. Cognitive-semantic bases for early language.

RO1HD-08251-01 (POP) KHERA, SHRIDH M, HUMAN RELATIONS AREA FILES, 755 PROSPECT STREET, NEW HAVEN, CONN. Land inheritance and birth rate among European peasants (Austria).

RO1HD-08258-01 (REB) HAMILTON, DAVID W, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Function of carnitine in the male reproductive tract (rats, monkeys).

RO1HD-08263-01 (DBR) KARRER, RATHIE, ILLINOIS STATE PED INST, 1640 ROOSEVELT ROAD, CHICAGO, ILL. Analysis of response speed in mental retardation.

RO1HD-08268-01 (MBY) KALT, MARVIN R, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ANATOMY, FARMINGTON, CONN. Vertebrate sex cell development (*Xenopus*).

RO1HD-08270-01 (REB) BELIVE, ANTHONY R, HARVARD MEDICAL SCHOOL, 45 SHATTUCK STREET, BOSTON, MASS. Spermiogenesis-Analysis of nuclear protein (rodents, lagomorphs, monkeys, human).

RO1HD-08272-02 (REB) FAINSTAT, THEODORE, UNIVERSITY OF KANSAS, 39TH AND RAINBOW BOULEVARD, KANSAS CITY, KANS. Effects of prostaglandins on luteal organ culture and uterus (mice, rat, rabbit).

RO1HD-08276-01 (POP) PAWCETT, JAMES T, EAST-WEST POPULATION INST, 1777 EAST-WEST ROAD, HONOLULU, HAWAII. The value of children in the US.

RO1HD-08279-01 (REB) PIACSEK, BIBLA E, MARQUETTE UNIVERSITY, 530 N 15TH STREET, MILWAUKEE, WIS. Effects of aging on the CNS-Pituitary gonadal axis (rats).

RO1HD-08280-01 (REB) EISENFELD, ARNOLD J, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Contraceptive receptor mechanisms (rats, monkeys).

RO1HD-08281-01 (REB) VALENSTEIN, ELLIOT S, UNIVERSITY OF MICHIGAN, 1103 EAST HURON STREET, ANN ARBOR, MICH. Neuroendocrine regulation of reproductive behavior (rats).

RO1HD-08287-01 (POP) HOFFMAN, LOIS W, UNIVERSITY OF MICHIGAN, DEPT OF POPULATION PLANNING, ANN ARBOR, MICH. The value of children in the USA.

RO1HD-08288-01 (HED) STALLKNECHT, GILBERT F, UNIVERSITY OF IDAHO, BRANCH RESEARCH STATION, ABERDEEN, IDAHO. Assay of potato tuber metabolites (fungi, marmosets, rodents, swine).

RO1HD-08293-01 (MET) WARSHAW, JOSEPH B, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cellular energy metabolism during fetal development (chick, rat, cow).

RO1HD-08297-01 (HED) MELLINS, ROBERT B, COLUMBIA PRESBY MED CTR, 622 WEST 168TH STREET, NEW YORK, N Y. Respiratory control in early life (human).

RO1HD-08299-01 (END) UNDERWOOD, LOUIS E, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PEDIATRICS, CHAPEL HILL, N C. The hormonal control of fetal growth (rat, chick embryo).

RO1HD-08300-01 (NTR) SCRIBSHAW, NERVEN S, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Protein needs of elderly people.

RO1HD-08308-01 (PC) BEAMLER, JAMES N, SOUTHERN ILLINOIS UNIVERSITY, DEPT OF CHEM & BIOCHEMISTRY, CARBONDALE, ILL. Aging and carbohydrates of fibroblasts (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1HD-08309-01 (REB) BETZ, GEORGE, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Population control research—Enzyme studies.	RO1HD-08389-01 (REB) PECK, ERNEST J, JR. DEPARTMENT OF CELL BIOLOGY, BAYLOR COLLEGE OF MEDICINE, HOUSTON, TEX. Neuroendocrine control of pituitary hormone secretion (rats).
RO1HD-08313-02 (END) ROOT, ALLEN W, TAMPA GENERAL HOSPITAL, ADMINISTRATION BLDG ROOM 205, TAMPA, FLA. Regulation of anterior pituitary function in rat and man.	RO1HD-08393-01 (DBR) BEN-ZEEV, SANDRA E, 6939 N KEATING AVENUE, LINCOLNWOOD, ILL. Patterning of cognitive skills in bilingual children.
PO1HD-08315-01 (HDMR) O'BRIEN, DONOUGH, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Biochemical, genetic and other studies in retardation.	RO1HD-08406-01 (HED) SOLOFF, MELVYN S, MEDICAL COLLEGE OF OHIO, POST OFFICE BOX 6190, TOLEDO, OHIO. Mechanism of action of oxytocin on the uterus (swine, rats).
PO1HD-08315-01 0001 (HDMR) CHASE, PETER H. Biochemical, genetic and other studies in retardation—Hypoglycemia and brain development (rats).	RO1HD-08407-01 (HED) PRITCHARD, JACK A, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Reproduction in women whose red cells contain hemoglobin S.
PO1HD-08315-01 0002 (HDMR) CHASE, PETER H. Biochemical, genetic and other studies in retardation—Brain development in offspring following supplementation of maternal diet (rats).	RO1HD-08410-02 (PC) DOYLE, DARRELL J, ROSWELL PARK MEM INSTITUTE, 666 ELM STREET, BUFFALO, N. Y. Genetic regulations of mouse liver enzymes.
PO1HD-08315-01 0003 (HDMR) CHASE, PETER H. Biochemical, genetic and other studies in retardation—Specific nutrient deficiencies and brain development (rats).	RO1HD-08411-01 (REB) CHRISTIAN, JOHN J, S U N Y - AT BINGHAMTON, DEPT OF BIOLOGICAL SCIENCES, BINGHAMTON, N. Y. Regulation of spermatogenesis in white-footed mice.
PO1HD-08315-01 0004 (HDMR) WENGER, DAVID. Biochemical, genetic and other studies in retardation—Beta-galactosidase activity related to mental retardation (human).	RO1HD-08415-01 (MAB) HAMMERLING, ULRICH G, SLOAN-KETTERING INSTITUTE, 410 E 68TH STREET, NEW YORK N. Y. T-lymphocytes from precursor cells in vitro (mice).
PO1HD-08315-01 0005 (HDMR) MARKEY, SANFORD P. Biochemical, genetic and other studies in retardation—Organic metabolites related to mental retardation (human).	RO1HD-08420-01 (REB) COSTELLO, LESLIE C, DEPT OF PHYS & BIOPHY, COL OF HOWARD UNIVERSITY, WASHINGTON, D. C. Prostate citrate metabolism (rats).
PO1HD-08315-01 0006 (HDMR) GOODMAN, STEPHEN I. Biochemical, genetic and other studies in retardation—Transducing phage in the correction of human genetic disease.	RO1HD-08431-01 (HED) KOZAK, LESLIE P, JACKSON LABORATORY, BAR HARBOR, MAINE. Biochemical genetics of ovarian and testicular teratomas (mice).
PO1HD-08315-01 0007 (HDMR) KIMBERLING, WILLIAM J. Biochemical, genetic and other studies in retardation—Linkage and recombination in man and their relationship to human disease.	RO1HD-08432-01 (SSS) WINTERS, ROBERT W, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Parenteral nutrition in newborn animals.
RO1HD-08317-01 (NTN) RABBER, ALBERT A, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Membrane changes during aging and vitamin E deficiency (rats).	RO1HD-08432-01 0001 (SSS) WINTERS, ROBERT W. Parenteral nutrition in newborn animals—Overall somatic growth and organ growth (dogs).
PO1HD-08333-01 (HDP) MIDGLEY, A REES, JR, UNIVERSITY OF MICHIGAN, DEPT OF PATHOLOGY, ANN ARBOR, MICH. Hormones in reproduction (human).	RO1HD-08432-01 0002 (SSS) WINTERS, ROBERT W. Parenteral nutrition in newborn animals—Cellular growth of brain and other tissues (dogs).
PO1HD-08338-01 (HDP) STEINBERGER, EMIL, 6400 WEST CULLEN STREET, HOUSTON, TEX. Control of male reproduction.	RO1HD-08432-01 0002 (SSS) WINTERS, ROBERT W. Parenteral nutrition in newborn animals—Lipid composition of brain and fatty acid status.
PO1HD-08338-01 0001 (HDP) LLOYD, JAMES A. Control of male reproduction—Testosterone and gonadotropins in development of aggression (mice).	RO1HD-08434-01 (SSS) WINTERS, ROBERT W, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Metabolic studies of parenteral nutrition in infants.
PO1HD-08338-01 0002 (HDP) LLOYD, JAMES A. Control of male reproduction—Social structure and population growth in house mice.	RO1HD-08434-01 0001 (SSS) WINTERS, ROBERT W. Metabolic studies of parenteral nutrition in infants—Varying protein intake.
PO1HD-08338-01 0003 (HDP) STEINBERGER, ANNA. Control of male reproduction—Gonadotropin secretion in LH and FSH clone cultures (mice).	RO1HD-08434-01 0002 (SSS) WINTERS, ROBERT W. Metabolic studies of parenteral nutrition in infants—Urea and arginine metabolism in total parenteral nutrition.
PO1HD-08338-01 0004 (HDP) STEINBERGER, ANNA. Control of male reproduction—Hormonal control of spermatogenesis in vitro (rats).	RO1HD-08434-01 0003 (SSS) WINTERS, ROBERT W. Metabolic studies of parenteral nutrition in infants—RNase as assessment of nutritional status.
PO1HD-08338-01 0005 (HDP) SMITH, KEITH D. Control of male reproduction—Pituitary gonadal interaction in men.	RO1HD-08434-01 0004 (SSS) WINTERS, ROBERT W. Metabolic studies of parenteral nutrition in infants—Serum essential fatty acids.
PO1HD-08338-01 0006 (HDP) STRADA, SAMUEL J. Control of male reproduction—Cyclic nucleotide phosphodiesterase isozymes, ornithine decarboxylase in testis.	RO1HD-08436-02 (END) CLARK, JAMES H, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVE, HOUSTON, TEX. Estrogen receptors and reproductive function (rats).
PO1HD-08338-01 0007 (HDP) TCHOLAKIAN, ROBERT. Control of male reproduction—Hormonal control of steroidogenesis (rat testes).	RO1HD-08444-01 (PC) MAYS, LAURA L, OCCIDENTAL COLLEGE, 1600 CAMPUS ROAD, LOS ANGELES, CALIF. Relation of tRNA to protein errors in aging rat liver.
PO1HD-08338-01 0008 (HDP) PRESLOCK, JAMES P. Control of male reproduction—Biosynthesis and 5-alpha reduction of androgens in marmoset testes.	RO1HD-08450-01 (GEN) SRIDHARA, S, NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, EVANSTON, ILL. RNA polymerases during cellular differentiation (insects).
PO1HD-08338-01 0009 (HDP) CHOWDHURY, AJIT. Control of male reproduction—Kinetics of initiation and maintenance of spermatogenesis (rats, baboons, human).	RO1HD-08452-01 (CBY) BRINSTER, RALPH L, 530 LIPPINCOTT BUILDING, 25TH & LOCUST STREETS, PHILADELPHIA, PA. Protein metabolism in the preimplanted mouse embryo.
PO1HD-08338-01 0010 (HDP) SANBORN, BARBARA M. Control of male reproduction—Interaction of FSH and androgens in rats.	RO1HD-08454-01 (POP) GUEST, AVERY M, UNIVERSITY OF WASHINGTON, DEPT OF SOCIOLOGY, SEATTLE, WASH. Metropolitan home-work place patterns.
PO1HD-08338-01 0011 (HDP) STEINBERGER, EMIL. Control of male reproduction—Hormonal control of spermatogenesis (rats).	RO1HD-08456-01 (MET) KOHRMAN, ARTHUR P, MICHIGAN STATE UNIVERSITY, B-245 LIFE SCIENCES, EAST LANSING, MICH. Alternate pathway for urea synthesis.
PO1HD-08338-01 0012 (HDP) STEINBERGER, EMIL. Control of male reproduction—The gonado pituitary feedback.	RO1HD-08437-01 (MCHB) ENGEL, LEWIS L, LAB OF HUMAN REPROD-REPROD BIO, 45 SHATTUCK STREET, BOSTON, MASS. Analysis and metabolism of diethylstilbestrol (humans, mammals).
PO1HD-08338-01 0013 (HDP) STEINBERGER, EMIL. Control of male reproduction—Development of contraceptive agents for the human male.	RO1HD-08458-01 (EXP) SCHAJIE, K WARNER, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Cognitive behavior in maturity and old age.
PO1HD-08338-01 0014 (HDP) WARD, DARRELL N. Control of male reproduction—Carbohydrate moieties of LH and FSH (sheep, swine).	RO1HD-08459-01 (EXP) ORNSTEIN, PETER A, UNIVERSITY OF NORTH CAROLINA, DEPT OF PSYCHOLOGY, CHAPEL HILL, N. C. The role of rehearsal in children's memory.
RO1HD-08339-01 (HED) DEMENT, WILLIAM C, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Sudden infant death syndrome and sleep apnea (infants, adults).	RO1HD-08463-01 (DBR) TODD, PEYTON H, UNIVERSITY OF TENNESSEE, 8 AYERS HALL, DEPT OF PSYCH, KNOXVILLE, TENN. Speech acquisition by a hearing child of deaf parents.
RO1HD-08340-01 (MET) BIER, DENNIS M, DEPT OF PEDIATRICS, UNIV OF CALIFORNIA, SAN FRANCISCO, CALIF. Stable isotope studies of fuel transport in children.	RO1HD-08464-01 (EXP) CAIRNS, ROBERT B, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, N. C. The development of aggressive behaviors (mice).
RO1HD-08341-01 (MAY) FISCHER, MARK S, UNIVERSITY OF MASSACHUSETTS, DEPT OF BIOCHEMISTRY, AMHERST, MASS. Pretranscriptional control of development (tadpoles).	RO1HD-08466-01 (REB) CHANNING, CORNELIA P, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Mechanism of luteinization in vitro and in vivo (monkeys, swine).
RO1HD-08346-01 (EXP) HADDAD, RAIF K, N Y ST INST FOR RES IN MNTL RE, 1050 FOREST HILL ROAD, STATEN ISLAND, N. Y. CNS teratology and mental deficiency (ferrets, rats).	RO1HD-08468-01 (EXP) OLSEN, RONALD W, WESTERN MICHIGAN UNIVERSITY, DEPT OF BIOLOGY, KALAMAZOO, MICH. Competition in two species (mice).
RO1HD-08350-01 (BIO) O'MEARA, ANN R, BOSTON UNIVERSITY, 80 E CONCORD ST, RES 1009B, BOSTON, MASS. Age-related changes in chromatin proteins (rats).	RO1HD-08477-04 (HED) FULLER, ELLEN O, EMORY UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, ATLANTA, GA. Sympathetic responses of the uterine circulation (sheep).
RO1HD-08357-01 (CBY) LENNARZ, WILLIAM J, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Plasma membrane in fertilization and development (sea urchin).	RO1HD-08478-01 (END) JAFFE, ROBERT B, DEPT OF OBSTETRICS & GYNECOLOG, UNIV OF CALIF, SAN FRANCISCO, SAN FRANCISCO, CALIF. Primate endocrine regulation in the perinatal period.
RO1HD-08358-01 (REB) PAYNE, ANITA M, UNIVERSITY OF MICHIGAN, DEPT OF OBSTETRICS & GYN, ANN ARBOR, MICH. Mechanism of action of gonadotropins in the testis (rats, human).	RO1HD-08485-01 (CBY) FRANKEL, JOSEPH, DEPARTMENT OF ZOOLOGY, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Mutational study of ciliate development.
RO1HD-08360-01 (HED) GANT, NORMAN F, JR, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Placental function in normal and abnormal pregnancy (human).	RO1HD-08492-01 (HEM) OSKI, FRANK A, S U N Y - UPSTATE MEDICAL CTR, 750 EAST ADAMS STREET, SYRACUSE, N. Y. Effects of exchange transfusion in premature infants (human).
RO1HD-08362-01 (EXP) GROTA, LEE J, DEPT OF PSYCHIATRY, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Environmental stimulation, hormones and CNS development (rats).	RO1HD-08496-01 (REB) WEITLAUF, HARRY M, UNIVERSITY OF OREGON MED SCH, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Metabolic changes in preimplantation mouse eggs.
RO1HD-08364-01 (REB) TORAN-ALLERAND, C D, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Sex hormones and development of the gonadotrophic axis (rats, mice).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HD-08497-01 (POP) GURAK, DOUGLAS T, CENTER FOR POLICY RES, INC, 475 RIVERSIDE DRIVE, NEW YORK, N Y. Fertility and assimilation of the foreign-born.
- RO1HD-08504-01 (EXP) ALMALL, C ROBERT, OHIO UNIVERSITY, DEPT OF PSYCH, PORTER HALL, ATHENS, OHIO. Ontogeny of reactivity to dipsogenic stimuli (rats).
- RO1HD-08511-01 (CMS) FINK, B RAYMOND, DEPARTMENT OF ANESTHESIOLOGY, 1958 N E PACIFIC, SEATTLE, WASH. Maturation of larynx in relation to infant death (human, dogs, animals).
- RO1HD-08514-01 (POP) LERNER, RAYMOND C, S U N Y - AT STONYBROOK, DEPT OF COMMUNITY MEDICINE, STONY BROOK, N Y. A sociomedical study of induced abortion (New York City).
- RO1HD-08515-01 (POP) GODWIN, ROBERT K, BATTELLE HUMAN AFFAIRS RES CTR, 4000 N E 41ST STREET, SEATTLE, WASH. Population effects on local expenditures.
- RO1HD-08524-01 (POP) SIMMONS, GEORGE B, SCHOOL OF PUBLIC HEALTH, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Family planning program and fertility in UP, India.
- RO1HD-08533-01 (DBR) SLAUGHTER, DIANA T, UNIVERSITY OF CHICAGO, 5730 S WOODLAWN AVENUE, CHICAGO, ILL. Modernization through education of mother-child dyads.
- RO1HD-08537-01 (HED) JOHNSON, CURTIS C, UNIVERSITY OF UTAH, MERRILL ENGINEERING BUILDING, SALT LAKE CITY, UTAH. Bioinstrumentation for neonatal critical care (human, dogs).
- RO1HD-08546-01 (POP) EPSTEIN, YAKOV M, RUTGERS, STATE UNIVERSITY, 422 NEW JERSEY HALL, NEW BRUNSWICK, N J. Crowding and development of spatial behavior (adults, children).
- RO1HD-08550-01 (MCHA) THIES, RICHARD W, OREGON STATE UNIVERSITY, DEPT OF CHEMISTRY, CORVALLIS, OREG. Ring expansion routes to 8,9,13,14-disaccharoids.
- RO1HD-08552-01 (HED) LARKIN, LYNN H, UNIVERSITY OF FLORIDA, GAINESVILLE, FLA. Role of relaxin in gestation and parturition (swine, rabbits, rodents).
- RO1HD-08554-01 (HED) SHEPARD, THOMAS H, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PEDIATRICS, SEATTLE, WA. Teratogenicity of cytochalasins and plant metabolites.
- RO1HD-08557-01 (REB) TASCA, RICHARD J, UNIVERSITY OF DELAWARE, DEPT OF BIOLOGICAL SCIENCES, NEWARK, DEL. Amino acid transport during early development (mice).
- RO1HD-08567-01 (POP) GREENWOOD, MICHAEL J, DEPARTMENT OF ECONOMICS, ARIZONA STATE UNIVERSITY, TEMPE, ARIZ. Migration, regional growth and public policy (Mexico).
- RO1HD-08577-01 (DBR) SILVERMAN, PHILIP, CALIFORNIA STATE COLLEGE, 9001 STOCKDALE HIGHWAY, BAKERSFIELD, CALIF. Cross-cultural study of treatment of the aged.
- RO1HD-08579-01 (EXP) TAUB, EDWARD, INSTITUTE FOR BEHAVIORAL RES, 2429 LINDEN LANE, SILVER SPRING, MD. Fetal origins of primata sensory-motor integration (monkeys).
- RO1HD-08586-01 (POP) LEE, RONALD D, POPULATION STUDIES CENTER, 1225 SOUTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Population dynamics in preindustrial England.
- RO1HD-08587-01 (POP) NETTING, ROBERT M, UNIVERSITY OF ARIZONA, DEPARTMENT OF ANTHROPOLOGY, TUCSON, ARIZ. Population regulation in a Swiss Village.
- RO1HD-08595-01 (HED) HUNTLEY, THOMAS E, UNIVERSITY OF MINNESOTA, 2205 EAST 5TH STREET, DULUTH, MINN. Foto-maternal metabolism of unsaturated fatty acids (human, rabbits, rodents).
- RO1HD-08615-01 (REB) STANCEL, GEORGE M, UNIVERSITY OF TEXAS, 6400 WEST CULLEN STREET, HOUSTON, TEX. Estrogen control of uterine growth and cell division (rats).
- RO1HD-08622-01 (REB) PEEPLES, E EDWARD, UNIV OF NORTHERN COLORADO, DEPT OF BIOLOGICAL SCIENCES, GREELEY, COLO. Development of reproductive organs in mammals (rats, dogs, monkeys, human).
- RO1HD-08624-01 (POP) MOMMSEN, KENT G, UNIVERSITY OF UTAH, DEPT OF SOCIOLOGY, SALT LAKE CITY, UTAH. Black childlessness.
- RO1HD-08630-01 (PC) LARDY, HENRY A, UNIVERSITY OF WISCONSIN, 1710 UNIVERSITY AVENUE, MADISON, WIS. Carbohydrate metabolism (infants, swine, rats).
- RO1HD-08633-01 (PMB) SACKETT, GENE P, UNIVERSITY OF WASHINGTON, REGIONAL PRIMATE RESEARCH CTR, SEATTLE, WASH. Prematurity in primates—Cause, effects, prevention.
- RO1HD-08636-01 (REB) POSTER, DOUGLAS L, UNIVERSITY OF MICHIGAN, DEPT OF OBSTETRICS & GYN, ANN ARBOR, MICH. Reproductive endocrine development in the monkey (rhesus).
- RO1HD-08641-01 (NTN) YOUNG, VERNON R, MASS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Aging and metabolism in skeletal muscle (rats).
- RO1HD-08645-01 (CBY) VACQUIER, VICTOR D, DEPARTMENT OF ZOOLOGY, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Biochemistry of sperm-egg binding.
- RO1HD-08652-01 (CBY) GROSS, PAUL R, UNIVERSITY OF ROCHESTER, RIVER CAMPUS STATION, ROCHESTER, N Y. Histone mRNA and histone synthesis in development (sea urchins).
- PO1HD-08658-01 (HDPB) GARDNER, ERNEST D, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF NEUROLOGY, DAVIS, CALIF. Developmental neurobiology in primates.
- PO1HD-08658-01 0001 (HDPB) ORAHILLY, R. Developmental neurobiology in primates—Development of the nervous system in staged embryos (human).
- PO1HD-08658-01 0002 (HDPB) ORAHILLY, R. Developmental neurobiology in primates—Skull and vertebral column development in staged embryos (human).
- PO1HD-08658-01 0003 (HDPB) GARDNER, ERNEST D. Developmental neurobiology in primates—Commissural plate and pyramidal tracts in fetuses (human).
- PO1HD-08658-01 0004 (HDPB) GRAY, D J. Developmental neurobiology in primates—Spiral cord and vertebral column in fetuses (human).
- PO1HD-08658-01 0005 (HDPB) HENDRICKX, A G. Developmental neurobiology in primates—Staging of embryos (nonhuman primates).
- PO1HD-08658-01 0006 (HDPB) GARDNER, ERNEST D. Developmental neurobiology in primates—Catecholamines and serotonin in the nervous system development (rhesus monkeys).
- PO1HD-08658-01 0007 (HDPB) WILSON D. Developmental neurobiology in primates—Placodes and caudal proliferation center (Macaca mulatta).
- PO1HD-08658-01 0008 (HDPB) VIJAYAN, V K. Developmental neurobiology in primates—Ontogenesis of acetylcholinesterase isoenzymes (Macaca mulatta).
- PO1HD-08658-01 0009 (HDPB) MEYER, D. Developmental neurobiology in primates—Development of the eye (nonhuman primates).
- PO1HD-08658-01 0010 (HDPB) HENDRICKX, A G. Developmental neurobiology in primates—Experimental malformations of the central nervous system (nonhuman primates).
- PO1HD-08658-01 0011 (HDPB) SAWYER, R H. Developmental neurobiology in primates—Teratogenic effects of thalidomide on early limb development (nonhuman primates).
- PO1HD-08658-01 0012 (HDPB) BARRY, ALEXANDER. Developmental neurobiology in primates—Cataloguing and computerized system for prenatal anatomical material.
- PO1HD-08658-01 0013 (HDPB) ELLIS, WILLIAM. Developmental neurobiology in primates—Planning for clinicopathological studies.
- RO1HD-08669-01 (CBY) BODENSTEIN, DIETRICH, DEPARTMENT OF BIOLOGY, UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. Aging, its relation to cell growth and differentiation (Drosophila).
- PO1HD-08672-01 (HDPB) PRITCHARD, JACK A, UNIVERSITY OF TEXAS, 5323 HARRY HIMES BOULEVARD, DALLAS, TEX. An organ communication system for initiation of labor (human, rabbits).
- RO1HD-08679-01 (SSS) ZIMMERMAN, ERNEST F, CHILDREN'S HOSP RES FDN, ELLAND & BETHESDA AVENUE, CINCINNATI, OHIO. Study of fetal myosin (mice).
- RO1HD-08692-01 (SSS) SHITERI, PENTTI K, UNIV OF CALIFORNIA, THIRD & PARNASSUS, SAN FRANCISCO, CALIF. Dynamics of estrogen biosynthesis (human).
- RO1HD-08693-01 (ALY) HALSTEAD, SCOTT S, UNIV OF HAWAII, LEAHI HOSPITAL 3675 KILAUEA AV, HONOLULU, HAWAII. Infection enhancement—An experimental model of AIDS.
- RO1HD-08694-01 (DBR) SCHULMAN-GALAMBOS, CAROL A, DEPT NEUROSCIENCES, P O BOX 109, LA JOLLA, CALIF. Auditory function in infancy (human).
- RO1HD-08695-01 (REB) HAMPTON, SUZANNE H, YORK COLLEGE OF THE CITY U OF, 150-14 JAMAICA AVENUE, JAMAICA, N Y. Developmental biology and gametogenesis (marmosets).
- RO1HD-08708-01 (HED) SOYKA, LESTER F, DEPT OF PHARMACOLOGY, UNIV OF VERMONT, BURLINGTON, VT. Ontogenetic studies of drug metabolism (human, rats, monkeys).
- RO1HD-08712-01 (HED) FEIGELSON, MURIEL H, DEPT OF OBSTETRICS & GYNECOL, THE ROOSEVELT HOSPITAL, NEW YORK, N Y. Mechanisms of postnatal enzyme development (rats).
- RO1HD-08746-01 (ALY) HAMPTON, JOHN K, JR, ADELPHI UNIVERSITY, SOUTH AVENUE, GARDEN CITY, N Y. Maternal response to the 'fetal allograft' (mice, monkeys).
- RO1HD-08847-01 (ALY) THURSH, DONALD R, NEW YORK MEDICAL COLLEGE, DEPARTMENT OF PATHOLOGY, VALHALLA, N Y. Immunological aspects of fetal and infantile death (human).
- RO1HD-08924-01 (REB) WEINER, RICHARD I, DEPT OF OBSTETRICS & GYNECOLOG, UNIV OF CALIFORNIA, SAN FRANCISCO, SAN FRANCISCO, CALIF. Role of brain monoamines in gonadotropin release (rats).
- RO1HD-08926-01 (END) BLIZZARD, ROBERT M, DEPARTMENT OF PEDIATRICS, UNIV OF VIRGINIA SCH OF MED, CHARLOTTESVILLE, VA. Pituitary hormones in hypopituitarism (human, rats).
- RO1HD-08928-01 (END) KUNDU, NAKULESWAR, ROSWELL PARK MEMORIAL INST, SPRINGVILLE LABORATORIES, SPRINGVILLE, N Y. Fetal health and esteral production (human).
- RO1HD-08940-01 (REB) GONDOS, BERNARD, DEPT OF PATHOLOGY - 595 HSW, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Structural maturation of the prepubertal rabbit testis.
- RO1HD-08948-01 (MET) LEVITSKY, LYNNE L, MICHAEL REESE MEDICAL CENTER, 2901 S ELLIS AVE, CHICAGO, ILL. Functional maturation of the endocrine pancreas (rats).
- RO1HD-08949-01 (REB) GUERIGUIAN, JEAN L, UNIVERSITY OF MINNESOTA, DULUTH, 2215 EAST FIFTH STREET, DULUTH, MINN. Prostaglandin-protein interactions and human reproduction.
- RO1HD-08952-01 (DBR) STRICKLAND, BONNIE R, DEPT OF PSYCHOLOGY, UNIV OF MASSACHUSETTS, AMHERST, MASS. Locus of control, aspiration and competence in children.
- RO1HD-08953-01 (GMB) SMITH, FRED G, JR, DEPT OF PEDIATRICS, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Renal function in the maturing fetus (sheep).
- RO1HD-08954-01 (OMA) LESTER, ROGER, DEPT OF MEDICINE, UNIVERSITY OF PITTSBURGH, SCHOOL OF MEDICINE, PITTSBURGH, PA. Neonatal nutrition—Development of fat absorption (dogs, monkeys).
- RO1HD-08956-01 (GMB) CHESLEY, LEON C, S U N Y - DOWNSTATE MED CENTER, 450 CLARKSON AVENUE, BROOKLYN, N Y. Follow-up of eclamptic and of rheumatic cardiac women.
- RO1HD-08957-01 (MMB) KIM, YOON B, SLOAN-KETTERING INST CANCER RS, 145 BOSTON POST RD, RYE, N Y. Ontogeny of the humoral and cellular immune response (piglets).
- RO1HD-08958-01 (NTN) DWYER, JOHANNA T, 185 HARRISON AVENUE, BOSTON, MASS. Growth and diet in vegan and omnivore children.
- RO1HD-08966-01 (HED) ROSEN, MORTIMER G, CLEVELAND METROPOLITAN GEN HOS, 3395 SCRANTON RD, CLEVELAND, OHIO. Early diagnostic studies of aberrant development.
- RO1HD-08966-01 0001 (HED) ROSEN, MORTIMER G. Early diagnostic studies of aberrant development—Total monitoring during labor (human).
- RO1HD-08966-01 0002 (HED) ROSEN, MORTIMER G. Early diagnostic studies of aberrant development—Fetal monitoring—Data processing.
- RO1HD-08966-01 0003 (HED) ROSEN, MORTIMER G. Early diagnostic studies of aberrant development—Prenatal identification of study patients.
- RO1HD-08966-01 0004 (HED) ROSEN, MORTIMER G. Early diagnostic studies of aberrant development—Neonatal growth and development data collection (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HD-08964-01 0005 (MED) ROSEN, MORTIMER G. Early diagnostic studies of aberrant development-Neonatal neurologic developmental examinations (human).
- RO1HD-08964-01 0006 (MED) ROSEN, MORTIMER G. Early diagnostic studies of aberrant development-Behavior studies-Neonatal evaluation and follow-up (human).
- RO1HD-08964-01 0007 (MED) ROSEN, MORTIMER G. Early diagnostic studies of aberrant development-Cognitive development (human).
- RO1HD-08967-01 (POP) LAMB, NEVEN P, DEPT OF ANTHROPOLOGY, TEXAS TECH UNIVERSITY, LUBBOCK, TEX. Changing mating patterns among the Papago Indians.
- RO1HD-08968-01 (MET) KNOPP, ROBERT H, HARBORVIEW MEDICAL CENTER, 325 9TH AVENUE, SEATTLE, WASH. Definitions and mechanism of hyperlipidemia in pregnancy (human, rats).
- RO1HD-08977-01 (MET) SCHWARTZ, ROBERT, DEPT OF PEDIATRICS, RHODE ISLAND HOSP, PROVIDENCE, RHODE ISL. Carbohydrate metabolism in the newborn (human, dogs).
- RO1HD-08979-01 (POP) SWEDLUND, ALAN C, DEPARTMENT OF ANTHROPOLOGY, UNIV OF MASSACHUSETTS, AMHERST, MASS. Fertility and migration trends in rural New England.
- RO1HD-08980-01 (DBR) MUSTLER-LACHMAN, JANET L, DEPT OF PSYCHOLOGY, UNIV OF HOUSTON, HOUSTON, TEX. Changes in semantic memory in maturity and old age.
- RO1HD-09023-01 (MCHA) LIGHTNER, DAVID A, CHILDRENS HOSP OF AKRON, BUTCHEL AVE AT BOWERY ST, AKRON, OHIO. Iron anemia perceptual and biochemical correlates.
- RO1HD-09026-01 (NSS) LICHTNER, DAVID A, UNIVERSITY OF NEVADA, CHEMISTRY DEPARTMENT, RENO, NEV. Bilirubin photochemistry and pyrrole photoxidation.
- RO1HD-09098-01 (ALY) WATSON, RONALD R, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Malnutrition and secretory immunoglobulin A.
- NO1HD-12028-04 (***) GROAT, H THEODORE, BOWLING GREEN, OHIO. Study social psychological correlates of urban fertility.
- NO1HD-12037-13 (***) HEBER, DAVID M, LOS ANGELES, CALIFORNIA. Kin network and population dynamics.
- NO1HD-12038-04 (***) BROVERMAN, INGE K, SHREWSBURY, MASSACHUSETTS. Attitudinal factors affecting family size.
- NO1HD-12088-04 (***) HENDRICKX, ANDREW G, DAVIS, CALIFORNIA. Non-human primate breeding colony.
- NO1HD-12133-07 (***) HAUGHOM, JOAN R, ROCKVILLE, MARYLAND. Growth of human trophoblast cells in culture.
- NO1HD-12138-04 (***) COALE, ANSLEY J, PRINCETON, NEW JERSEY. Support publication of population index.
- NO1HD-12140-05 (***) DRUCKER, EUGENE, FORT KNOX, KENTUCKY. Marital status and family size.
- NO1HD-12141-02 (***) MAZUR, D PETER, BELLINGHAM, WASHINGTON. Study fertility in Poland and the USSR.
- NO1HD-12212-02 (***) MASON, KAREN O, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Women labor force participation and fertility.
- NO1HD-12215-04 (***) SARAGH, GEORGES, LOS ANGELES, CALIFORNIA. Growth of Mexican-American families.
- NO1HD-12223-06 (***) FREUND, MATTHEW, NEW YORK, NEW YORK. Develop and test a reversible contraceptive device (guinea pigs).
- NO1HD-12227-03 (***) NUWAYSER, BLUE S, CAMBRIDGE, MASSACHUSETTS. Development of new sterilization techniques (guinea pigs, monkeys).
- NO1HD-12220-06 (***) BARDON, CLYDE W, UNIVERSITY PARK, PENNSYLVANIA. Assay of progesterone (sheep, guinea pigs).
- NO1HD-12229-03 (***) BRUESCHKE, ERICH E, CHICAGO, ILLINOIS. Develop implantable contraceptive devices (mammals nonhuman).
- NO1HD-12230-02 (***) GARDNER, DAVID L, COLUMBUS, OHIO. Intrauterine microcapsules in prolonged drug release form (rabbits, monkeys).
- NO1HD-12232-03 (***) RYAN, ROBERT J, ROCHESTER, MINNESOTA. Model to study inhibition of LH action (human, rats).
- NO1HD-12233-02 (***) BRUESCHKE, ERICH E, CHICAGO, ILLINOIS. Develop intrauterine sterilization system for the female (primates, human).
- NO1HD-12234-04 (***) PAULSEN, C ALVIN, SEATTLE, WASHINGTON. Contraceptive development studies for males (human).
- NO1HD-12236-02 (***) MILES, L E, STANFORD, CALIFORNIA. Develop automated immunoradiometric assay system.
- NO1HD-12237-03 (***) ERB, R A, PHILADELPHIA, PENNSYLVANIA. Device and technique for blocking the fallopian tubes (rabbits, monkeys).
- NO1HD-12294-04 (***) WILLIAMS, KENNETH I, SHREWSBURY, MASSACHUSETTS. Steroidal oral contraceptives (human, rats, sheep).
- NO1HD-12297-05 (***) MAHESH, VIRENDRA B, AUGUSTA, GEORGIA. Steroidal oral contraceptives.
- NO1HD-12299-10 (***) SPECTOR, AARON J, PHILADELPHIA, PENNSYLVANIA. Study cervical cytology in contraceptive users.
- NO1HD-12302-05 (***) FLETCHER, ANTHONY P, ST LOUIS, MISSOURI. Effects of contraceptive agents on blood coagulation (human).
- NO1HD-12420-03 (***) LIBERMAN, ALVIN M, NEW HAVEN, CONNECTICUT. Language development in children.
- NO1HD-12450-05 (***) HOLTZMAN, NEIL A, BALTIMORE, MARYLAND. National amniocentesis registry.
- NO1HD-12451-05 (***) MILUNSKY, AUBREY, WALTHAM, MASSACHUSETTS. National amniocentesis registry.
- NO1HD-12452-04 (***) SCHMICKELL, ROY, ANN ARBOR, MICHIGAN. National amniocentesis registry.
- NO1HD-12455-07 (***) HON, EDWARD H, LOS ANGELES, CALIFORNIA. Research on intrapartum fetal monitoring.
- NO1HD-12462-07 (***) TANABE, MASATO, MENLO PARK, CALIFORNIA. Synthesis and testing of antifertility compounds (rats, hamsters, rabbits).
- NO1HD-12506-03 (***) PUCKINGER, CHARLES J, CHARLOTTESVILLE, VIRGINIA. Male reproductive tract (rats).
- NO1HD-22033-02 (***) NUTTALL, RONALD L, CHESTNUT HILL, MASSACHUSETTS. Correlates of family size and child spacing in the United States and Puerto Rico.
- NO1HD-22038-03 (***) PRESSER, HARRIET B, NEW YORK, NEW YORK. Role and fertility patterns of urban mothers.
- NO1HD-22701-03 (***) BECKMAN, LINDA J, LOS ANGELES, CALIFORNIA. The employed woman-family planning career.
- NO1HD-22703-05 (***) KIESLER, SARA B, LAWRENCE, KANSAS. Psychological studies of social norms influencing family size.
- NO1HD-22707-04 (***) BROWN, LAWRENCE L, ARLINGTON, VIRGINIA. Develop methods to use 1960 and 1970 census samples.
- NO1HD-22709-07 (***) ABUSHANAB, BLUE, KINGSTON, RHODE ISLAND. Synthesis of potential new agents for control of fertility.
- NO1HD-22710-06 (***) STANLEY, HOMER E, TOLEDO, OHIO. Progesterone-binding proteins to detect antagonists and agonists (rats, rabbits).
- NO1HD-22713-03 (***) BOWERS, CYRIL Y, NEW ORLEANS, LOUISIANA. Structure-activity of LH and FSH-releasing peptides (animals).
- NO1HD-22714-04 (***) ENOEL, CHARLES R, QUEBEC, CANADA. Synthesize steroidal compounds with antifertility activity.
- NO1HD-22717-05 (***) DALGARD, DANIEL W, VIENNA, VIRGINIA. Antifertility of terramycin mixture.
- NO1HD-22723-03 (***) GOLDZIEHER, JOSEPH W, SAN ANTONIO, TEXAS. Pharmacology of ethynl estrogens in primates and canines compared to man.
- NO1HD-22724-04 (***) KIRDANI, RASHAD Y, BUFFALO, NEW YORK. Biliary and urinary excretion (primates).
- NO1HD-22725-04 (***) VISEK, WILLARD J, ITHACA, NEW YORK. Contraceptive steroids in beagles.
- NO1HD-22727-04 (***) BECK, PAUL, DENVER, COLORADO. Metabolism of acetoxyprogesterone (monkeys, dogs).
- NO1HD-22728-03 (***) MC GANNY, WILLIAM J, GALVESTON, TEXAS. Sex steroids and nutritional status.
- NO1HD-22729-06 (***) HANSEN, JAMES L, BETHESDA, MARYLAND. Repository for tissue evaluation of contraceptive steroids (monkeys, dogs).
- NO1HD-22731-03 (***) WADE, ADOLBERT E, ATHENS, GEORGIA. Interaction of B-vitamins with contraceptive steroids (rats).
- NO1HD-22733-02 (***) GARATTINI, SILVIO, MILAN, ITALY. Comparative pharmacology of steroid contraceptive drugs.
- NO1HD-22734-05 (***) JAVITT, NORMAN B, NEW YORK, NEW YORK. Study contraceptive steroids in the baboon.
- NO1HD-22736-02 (***) BERGSTROM, SUNE, STOCKHOLM, SWEDEN. International documentation center on human reproduction.
- NO1HD-22737-04 (***) MATA, LEONARDO J, WASHINGTON, DISTRICT OF COLUMBIA. Ecological study in a Guatemalan village.
- NO1HD-22740-02 (***) HOPPE, PETER C, BAR HARBOR, MAINE. Fertilization of mouse eggs in vitro by epididymal sperm.
- NO1HD-22741-04 (***) SCHALLY, ANDREW V, NEW ORLEANS, LOUISIANA. Synthesis and evaluation of decapeptide analogs of LH-RH(FSH-RH).
- NO1HD-22743-04 (***) ZELINSKY, WILBUR, UNIVERSITY PARK, PENNSYLVANIA. Population redistribution and depopulation in non-metropolitan Pennsylvania.
- NO1HD-22747-04 (***) KABACK, MICHAEL M, TORRANCE, CALIFORNIA. National amniocentesis registry.
- NO1HD-22748-03 (***) HODES, HORACE L, NEW YORK, NEW YORK. National amniocentesis registry.
- NO1HD-22749-06 (***) NADLER, HENRY L, CHICAGO, ILLINOIS. National amniocentesis registry.
- NO1HD-22752-04 (***) BARTOSK, DELPHINE B, NEW YORK, NEW YORK. Changes in the luteolytic process in human corpora lutea.
- NO1HD-22754-03 (***) KILLEY, JONATHAN L, NEW YORK, NEW YORK. Study of family, career and sexuality.
- NO1HD-22755-01 (***) ABSHER, MARLENE P, BURLINGTON, VERMONT. Aging in human diploid fibroblasts.
- NO1HD-22756-03 (***) MACDONALD, PAUL C, DALLAS, TEXAS. Estrogen studies in the postmenopausal woman (also rats).
- NO1HD-22757-04 (***) LEATHAM, JAMES H, NEW BRUNSWICK, NEW JERSEY. Hormonal control of the epididymis (rats).
- NO1HD-22760-02 (***) TEAGUE, PERRY O, GAINESVILLE, FLORIDA. Age-associated involution of cellular immunity in mice.
- NO1HD-22763-03 (***) SAXENA, BILJ B, NEW YORK, NEW YORK. Biochemistry and mechanism of action of human gonadotropins.
- NO1HD-22764-02 (***) YON, E T, CLEVELAND, OHIO. Develop techniques to study oviduct transport and ovulation in primates.
- NO1HD-22769-03 (***) MATHER, EDWARD C, COLUMBIA, MISSOURI. Development of evaluation of a reversible vasectomy prosthesis.
- NO1HD-22770-03 (***) GILLENWATER, JAY Y, CHARLOTTESVILLE, VIRGINIA. Effects of vasectomy on testes, epididymis and vas (rats, rabbits, dogs).
- NO1HD-22772-01 (***) SHARP, GORDON C, COLUMBIA, MISSOURI. Immunologic and morphologic consequences of vasectomy (guinea pigs, human).
- NO1HD-22775-02 (***) BIGAZZI, PIERLUIGI E, ALBANY, NEW YORK. Immunological studies on steroid-producing cells (human, monkeys, rabbits).
- NO1HD-22776-03 (***) SMITH, KEITH D, HOUSTON, TEXAS. Endocrine changes in vasectomized men.
- NO1HD-22777-03 (***) HODGMAN, JOAN E, LOS ANGELES, CALIFORNIA. Developmental phenomena and the occurrence of SIDS (human).
- NO1HD-22778-03 (***) STERMAN, MAURICE B, LOS ANGELES, CALIFORNIA. Developmental phenomena and the occurrence of SIDS (human).
- NO1HD-22780-02 (***) SEIGUER, ALBERTO C, CORAL GABLES, FLORIDA. Ultrastructure and immunochemistry of sperm antigens (human, rabbits, guinea pigs).
- NO1HD-22782-03 (***) ROSE, DAVID P, MADISON, WISCONSIN. Effects of oral contraceptives on vitamin B6 nutrition (human).
- NO1HD-22783-03 (***) SMITH, JAMES C, JR, WASHINGTON, DISTRICT OF COLUMBIA. Effect of oral contraceptive steroids on trace minerals (rats).
- NO1HD-22784-03 (***) HORWITT, MAX K, ST LOUIS, MISSOURI. Effect of oral contraceptives on nutritional status (human).
- NO1HD-22785-01 (***) ALPIN-SLATER, ROSLYN B, LOS ANGELES, CALIFORNIA. Interaction of contraceptive steroids with vitamin E (human, rats).
- NO1HD-22786-04 (***) PRASAD, ANADA S, DETROIT, MICHIGAN. Interaction of contraceptive steroids with essential dietary nutrients (human, ra).
- NO1HD-22787-02 (***) MATSCHINER, JOHN T, LINCOLN, NEBRASKA. Biochemical mechanisms of contraceptive steroid-induced abnormalities (rats).
- NO1HD-22788-04 (***) SMITH, JACK L, NEW ORLEANS, LOUISIANA. Relationship of contraceptive steroids to nutritive state (human).
- NO1HD-22789-03 (***) GYORGY, PAUL, PHILADELPHIA, PENNSYLVANIA. Interaction of contraceptive steroids and vitamin B6 (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- NO1HD-22790-01 (** MARGEN, SHELDON, BERKELEY, CALIFORNIA. Effects of contraceptive steroids on trace elements (human).
- NO1HD-22791-02 (** NELSON, THOMAS E, JR, EDWARDSVILLE, ILLINOIS. Contraceptive steroids and vitamin K.
- NO1HD-22796-02 (** ROBINSON, THOMAS C, EMERYVILLE, CALIFORNIA. A reversible vas-occluding prosthesis (rabbits).
- NO1HD-32700-01 (** RUMKE, PHILIP, AMSTERDAM C, NETHERLANDS. Studies of sperm immunology (human).
- NO1HD-32705-02 (** FOWLER, EDWARD H, ROCHESTER, NEW YORK. Pharmacopathologic effects of MPA in the beagle bitch.
- NO1HD-32709-03 (** HESS, EVELYN V, CINCINNATI, OHIO. Autoimmune phenomena and mechanisms in human vasectomy.
- NO1HD-32710-04 (** RAMCHARAN, SAITRI, OAKLAND, CALIFORNIA. Contraceptive drug study.
- NO1HD-32713-02 (** HECHT, FREDERICK, PORTLAND, OREGON. Regional cytogenetic registry.
- NO1HD-32715-02 (** UDRY, J RICHARD, CHAPEL HILL, NORTH CAROLINA. Final survey to complete family planning evaluation project.
- NO1HD-32717-01 (** TUNG, KENNETH S, ALBUQUERQUE, NEW MEXICO. Immunopathologic consequences of vasectomy (human, guinea pigs, rats).
- NO1HD-32719-02 (** WILLIAMS, KENNETH I H, SHREWSBURY, MASSACHUSETTS. Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs).
- NO1HD-32722-01 (** JAFFE, FREDERICK S, NEW YORK, NEW YORK. Evaluating the demographic impact of organized family planning programs.
- NO1HD-32725-03 (** POSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Maintain long term rat colony.
- NO1HD-32726-02 (** RIDLEY, JEANNE C, WASHINGTON, DISTRICT OF COLUMBIA. Monograph on the computer simulation of human reproduction.
- NO1HD-32729-01 (** DIRKSEN, ELLEN R, SAN FRANCISCO, CALIFORNIA. Structure, function and development of oviduct cilia (human).
- NO1HD-32731-04 (** STERN, ELIZABETH, LOS ANGELES, CALIFORNIA. Effects of steroid contraception on cervical dysplasia (human).
- NO1HD-32733-03 (** RAZDAN, CAMBRIDGE, MASSACHUSETTS. Novel steroids as potential antifertility agents.
- NO1HD-32735-02 (** POTTS, KEVIN T, TROY, NEW YORK. Synthesis of novel nitroheterocycles.
- NO1HD-32743-02 (** TANABE, M, MEMO PARK, CALIFORNIA. Synthesis of ring A bicyclo and tricyclo steroids.
- NO1HD-32746-03 (** GOLDMAN, ALLEN S, PHILADELPHIA, PENNSYLVANIA. Compounds for inhibition of spermatogenesis.
- NO1HD-32747-02 (** CARROLL, F I, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Synthesize ring A bicyclo-steroids.
- NO1HD-32748-02 (** KEPLER, J A, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Uterine estradiol binding factors.
- NO1HD-32749-02 (** WILLIAMS, JOHN R, PHILADELPHIA, PENNSYLVANIA. Synthesis of novel steroids with potential antifertility activity.
- NO1HD-32758-02 (** MORIARTY, ROBERT M, CHICAGO, ILLINOIS. Novel steroidal gestagens.
- NO1HD-32759-03 (** MUMFORD, DAVID M, HOUSTON, TEXAS. Immune alterations associated with vasectomy (human).
- NO1HD-32764-02 (** MELLMAN, WILLIAM J, PHILADELPHIA, PENNSYLVANIA. National amniocentesis registry.
- NO1HD-32765-02 (** O'BRIEN, JOHN S, LA JOLLA, CALIFORNIA. National amniocentesis registry.
- NO1HD-32766-02 (** MAHONEY, JAURICE J, NEW HAVEN, CONNECTICUT. National amniocentesis registry.
- NO1HD-32767-02 (** KYRIAKIS, SOTIRIS, EMERYVILLE, CALIFORNIA. Clinical evaluation of fluid-filled IUD.
- NO1HD-32770-01 (** VAN DEN NOORT, STANLEY, IRVINE, CALIFORNIA. Retrospective study postmenopausal women w/wo estrogen replacement therapy.
- NO1HD-32774-03 (** NELSON, THOMAS S, STANFORD, CALIFORNIA. Physiology of the oviduct (rabbits).
- NO1HD-32776-05 (** FARMLEE, ARTHUR H, LOS ANGELES, CALIFORNIA. Diagnostic and intervention studies of high risk infants.
- NO1HD-32781-02 (** DAVIS, BRIAN K, SHREWSBURY, MASSACHUSETTS. Control of sperm fertilizing capacity (human).
- NO1HD-32787-02 (** WOTIZ, HERBERT H, BOSTON, MASSACHUSETTS. Estrogen for cytoplasmic and nuclear receptors.
- NO1HD-32789-02 (** GOULD, JEFFREY B, BOSTON, MASSACHUSETTS. A study of twins for neurophysiologic factors in SIDS (human).
- NO1HD-32791-05 (** BLANDAU, RICHARD J, SEATTLE, WASHINGTON. Detection of ovulation in chronically instrumented animals (rabbits, primates).
- NO1HD-32795-02 (** WARING, DENNIS W, BALTIMORE, MARYLAND. Oviductal fluid in rat and mouse.
- NO1HD-32798-02 (** KROTOSZYNSKI, B K, CHICAGO, ILLINOIS. Detection of ovulation (human).
- NO1HD-32799-02 (** RIDLEY, JEANNE C, WASHINGTON, DISTRICT OF COLUMBIA. Low-fertility cohorts in the United States.
- NO1HD-42800-00 (** WHITE, COLIN, NEW HAVEN, CONNECTICUT. Study risks for cancer among users of oral contraceptives.
- NO1HD-42801-00 (** FRIED, JOSEF, CHICAGO, ILLINOIS. Synthesis of prostaglandin analogs for biological studies.
- NO1HD-42802-00 (** BURO, ALAN W, CAMBRIDGE, MASSACHUSETTS. Development and evaluation of a biodegradable drug delivery system.
- NO1HD-42803-02 (** LEWIS, MICHAEL, PRINCETON, NEW JERSEY. Effect of birth order on mother-child relationship.
- NO1HD-42804-00 (** UDRY, J RICHARD, CHAPEL HILL, NORTH CAROLINA. 'Consequences of reproduction-A utility model of reproductive behavior' (human).
- NO1HD-42305-00 (** RIDKER, RONALD G, WASHINGTON, DISTRICT OF COLUMBIA. Economic and environmental consequences of population change.
- NO1HD-42806-00 (** RUST, EDGAR C, SAN FRANCISCO, CALIFORNIA. Consequences of metropolitan population stability or decline.
- NO1HD-42807-00 (** BERGSMAN, JOEL, WASHINGTON, DISTRICT OF COLUMBIA. Population growth and employment growth in metropolitan areas.
- NO1HD-42808-00 (** SUSSER, MERVYN, NEW YORK, NEW YORK. Social aspects of mental retardation in Poland.
- NO1HD-42809-00 (** PRUETT, KENNETH, NEW HAVEN, CONNECTICUT. Ethinyl estradiol and estrogens as postcoital contraceptive agents (human).
- NO1HD-42810-00 (** STERMAN, MAURICE B, LOS ANGELES, CALIFORNIA. Developmental phenomena and the occurrence of SIDS (human).
- NO1HD-42811-00 (** POSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Development of colony of mice for aging research.
- NO1HD-42812-00 (** BIK-NES, KRISTEN B, TRONDHEIM, NORWAY. Androgens in male sex organs.
- NO1HD-42813-00 (** TEMPLETON, GORDON H, DALLAS, TEXAS. Effect of age on ventricle stiffness and contractility (dogs).
- NO1HD-42814-00 (** MILES, LAUGHTON E, STANFORD, CALIFORNIA. Development of automated immunoradiometric assay system.
- NO1HD-42815-00 (** BUMPASS, LARRY L, MADISON, WISCONSIN. Microfilming of National Fertility Study questionnaires.
- NO1HD-42816-00 (** COURSON, DAVID B, LANCASTER, PENNSYLVANIA. Instrumentation design for electrophysiological studies.
- NO1HD-42817-00 (** NAEYE, RICHARD L, UNIVERSITY PARK, PENNSYLVANIA. Analysis of major cause of infant death syndrome (human).
- NO1HD-42810-00 (** SUTHERLAND, JAMES M, CINCINNATI, OHIO. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42819-00 (** BROWN, AUDREY K, ALBANY, NEW YORK. Phototherapy for neonatal hyperbilirubinemia.
- NO1HD-42820-00 (** MAURER, HAROLD M, RICHMOND, VIRGINIA. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42821-00 (** LIPSITZ, PHILIP, NEW HYDE PARK, NEW YORK. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42822-00 (** GARTNER, LAWRENCE M, BRONX, NEW YORK. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42823-00 (** HODGMAN, JOAN E, LOS ANGELES, CALIFORNIA. Phototherapy for neonatal hyperbilirubinemia.
- NO1HD-42824-02 (** SHULMAN, SIDNEY, NEW YORK, NEW YORK. Sperm antibody activity in cervical mucus of women.
- NO1HD-42825-00 (** JACOBSON, HERBERT I, ALBANY, NEW YORK. Sex hormone receptors in the cervix (human).
- NO1HD-42826-00 (** BLANDAU, RICHARD J, SEATTLE, WASHINGTON. Sperm transport through cervix (human).
- NO1HD-42828-01 (** HAYFLICK, LEONARD, STANFORD, CALIFORNIA. Production and distribution of human diploid cell strain.
- NO1HD-42829-00 (** JEANLOZ, ROGER W, BOSTON, MASSACHUSETTS. Biochemistry cervical mucus of macaca radiata during menstrual cycle.
- NO1HD-42830-00 (** PITT, COLIN G, RESEARCH TRIANGLE, NORTH CAROLINA. Synthesis and testing of antiprogesterone agents abeoosteroids.
- NO1HD-42831-00 (** PARS, HARRY G, CAMBRIDGE, MASSACHUSETTS. Synthesis of ring-C aromatic steroids as potential antifertility agents.
- NO1HD-42832-00 (** DAWSON, MARCIA I, MEMO PARK, CALIFORNIA. Synthesize prostaglandin synthetase inhibitors with antifertility activity.
- NO1HD-42833-00 (** STOLZENBERG, SIDNEY J, MEMO PARK, CALIFORNIA. Extracts of *P. dodecandra* for blastocidal and spermicidal activity (human, rats).
- NO1HD-42834-00 (** RAO, P NARASIMHA, SAN ANTONIO, TEXAS. Synthesize corticosteroids as antifertility agents.
- NO1HD-42835-00 (** PAULL, KENNETH D, KANSAS CITY, MISSOURI. Synthesis and testing of antifertility compounds.
- NO1HD-42836-00 (** GRAY, ALLAN P, CHICAGO, ILLINOIS. Synthesis and testing of antifertility compounds.
- NO1HD-42837-00 (** FREEDY, JOHN R, ATLANTA, GEORGIA. Estrogen and progesterone protein receptors in uterine cervix (primates).
- NO1HD-42838-00 (** WOLF, DON P, PHILADELPHIA, PENNSYLVANIA. Physicochemical characterization of human cervical mucus.
- NO1HD-42839-00 (** ANDERSEN, WELLS H, SEATTLE, WASHINGTON. Synthesis of luteolytic prostanoids.
- NO1HD-42841-00 (** QUIN, LOUIS D, DURHAM, NORTH CAROLINA. Synthesis of 15-phosphasteroids for antifertility screening.
- NO1HD-42843-00 (** POSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Production colony of aging rats in isolator environment.
- NO1HD-42844-00 (** MCKENNA, VIRGIL V, WILLIAMSBURG, VIRGINIA. Parental attitudes and children's personality.
- NO1HD-42845-00 (** NORA, JAMES J, DENVER, COLORADO. Evaluation of the effects of contraceptives (human).
- NO1HD-42844-00 (** EISENBRAUN, E J, STILLWATER, OKLAHOMA. Synthesis of antifertility compounds.
- NO1HD-42847-00 (** FREUND, MATTHEW J, NEW YORK, NEW YORK. Dynamics of sperm transport through the human cervical canal.
- NO1HD-42848-00 (** BAKER, BRUCE L, CAMBRIDGE, MASSACHUSETTS. Behavior modification practices by parents with mentally retarded children.
- NO1HD-42849-00 (** KORTRIGHT, KENNETH, SPRINGFIELD, VIRGINIA. Isolation of gonadal cell membranes and gonadotropin binding sites.
- NO1HD-42850-01 (** BIBBO, MARLUCE, CHICAGO, ILLINOIS. Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human).
- NO1HD-42851-00 (** FABER, LEE E, TOLEDO, OHIO. Progesterone-binding protein for detection of antagonists and agonists.
- NO1HD-42852-00 (** MOGHISSI, KAMRAN, DETROIT, MICHIGAN. Development of an intracervical contraceptive device.
- NO1HD-42853-01 (** HARLAP, SUSAN, JERUSALEM, ISRAEL. Effect of oral and other contraceptives on congenital abnormalities.
- NO1HD-42854-00 (** BEAVER, STEVEN E, NEW YORK, NEW YORK. Economic, age structure and sex role in American natality trends.
- NO1HD-42855-00 (** CUTRIGHT, PHILLIPS, BLOOMINGTON, INDIANA. Fertility trends in the US-1917-1972.
- NO1HD-42856-00 (** STRUMPEL, BURKHARD, ANN ARBOR, MICHIG. 'Fertility change after baby boom.
- NO1HD-42857-00 (** LEE, RONALD, ANN ARBOR, MICHIGAN. Economic analysis of US fertility change, 1940 to 1973.
- NO1HD-42858-00 (** SLAUNWHITE, WILSON R, ALBANY, NEW YORK. Radioimmunoassays for norethindrone and ethinyl estradiol (human, primates).
- NO1HD-42859-00 (** MATA, LEONARDO J, WASHINGTON, DISTRICT OF COLUMBIA. Interaction between malnutrition and infection studies.
- NO1HD-42860-00 (** HAUSER, FRANK M, BEAVERTON, OREGON. Synthesis of analogs of norethindrone and progesterone.
- NO1HD-42861-00 (** RAMCHARAN, SAVITRI, OAKLAND, CALIFORNIA. Effects of contraceptive agents on birth defect frequency.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- NO1HD-42862-00** (***) BUTTERWORTH, C E, BIRMINGHAM, ALABAMA. Effects of oral contraceptive steroids on folic acid metabolism.
- NO1HD-42863-00** (***) POCHI, PETER E, BOSTON, MASSACHUSETTS. Steroid hormone effect on sebaceous gland secretion and acne development.
- NO1HD-42864-00** (***) SANSONE-BAZZANO, GAIL, LOS ANGELES, CALIFORNIA. Steroid hormones on sebaceous gland secretion and on development of acne.
- NO1HD-42865-00** (***) NICHOLS, WARREN W, CAMDEN, NEW JERSEY. Genetically marked cells for aging research.
- NO1HD-42866-00** (***) ALEXANDER, NANCY J, PORTLAND, OREGON. Long-term effects of vasectomy in the rhesus monkey.
- NO1HD-42867-00** (***) MEYER, MARY B, BALTIMORE, MARYLAND. Fetal effects of maternal smoking related to other risk factors.
- NO1HD-42868-01** (***) BRADLEY, ROBERT M, ANN ARBOR, MICHIGAN. Histological development of upper airway receptors in fetal and neonatal sheep.
- NO1HD-42869-01** (***) MUNGER, BRYCE L, UNIVERSITY PARK, PENNSYLVANIA. Development of mucosal sensory receptors (human, monkeys).
- NO1HD-42870-01** (***) SUTTON, DWIGHT, SEATTLE, WASHINGTON. Infant primate upper airway—Anatomy and physiology.
- NO1HD-42871-00** (***) PARLOW, A F, TORRANCE, CALIFORNIA. Rat placental lactogen radioimmunoassay (rats, rabbits).
- NO1HD-50640-14** (***) KLEIN, ROBERT E, WASHINGTON, DISTRICT OF COLUMBIA. Study of nutrition and development.
- NO1HD-51014-14** (***) GATEWOOD, LABEL C, MINNEAPOLIS, MINNESOTA. Study human menstrual cycle.
- NO1HD-51048-14** (***) WESTOFF, CHARLES F, PRINCETON, NEW JERSEY. 1970 National fertility survey.
- NO1HD-92091-11** (***) HAYFLICK, LEONARD, STANFORD, CALIFORNIA. Production and distribution of human diploid cell strain.
- NO1HD-92103-11** (***) WILLIAMS, W L, ATHENS, GEORGIA. Biochemical requirements for fertilization (rabbits, cattle).
- NO1HD-92107-07** (***) FAWCETT, DON, CAMBRIDGE, MASSACHUSETTS. Experimental studies on spermatogenesis (human, animals).
- NO1HD-92129-03** (***) KLINGER, HAROLD P, BRONX, NEW YORK. Meiosis and fertilization of human ova in vitro.
- NO1HD-92133-07** (***) HAGINO, NOBUYOSHI, SAN ANTONIO, TEXAS. Neural regulation of ovarian function (primates).
- NO1HD-92134-09** (***) NISWENDER, GORDON D, FORT COLLINS, COLORADO. Endocrine regulation of the corpus luteum (sheep).
- NO1HD-92180-13** (***) RUSH, DAVID, NEW YORK, NEW YORK. Prevention of prematurity and developmental disorders (human).
- NO1HD-92189-11** (***) FROMM, ELLI, PHILADELPHIA, PENNSYLVANIA. Multidisciplinary investigation of contraception (monkeys).
- NO1HD-92209-06** (***) HANSEL, WILLIAM, ITHACA, NEW YORK. Isolation of a bovine uterine luteolytic factor.
- NO1HD-92215-06** (***) INSKEEP, E KEITH, MORGANTOWN, WEST VIRGINIA. Relationship of endometrial prostaglandins and luteal functions (sheep, monkeys).
- NO1HD-92220-09** (***) ZAMBONI, LUCIANO, TORRANCE, CALIFORNIA. Morphophysiological studies on mammalian gametes (mice, hamsters, monkeys).
- NO1HD-92221-08** (***) WARD, DARRELL E, HOUSTON, TEXAS. Properties of chemically modified LH and LH subunits.
- NO1HD-02216-05** (***) SANCES, ANTHONY, JR, MILWAUKEE, WISCONSIN. To develop biological flow NMR concept (human, mammals non human).
- NO1HD-12327-03** (***) COMROE, JULIUS, SAN FRANCISCO, CALIFORNIA. Contribution of basic science to heart and lung.
- NO1HD-32926-01** (***) INNERATIRY, TOM L, SPRINGFIELD, VIRGINIA. Preparation and analysis of canine, swine and monkey lipoproteins (also human).
- NO1HD-32947-02** (***) MANNING, PATRICK J, COLUMBIA, MISSOURI. Miniature swine colony.
- NO1HD-42903-00** (***) NELSON, ALBERT W, FORT COLLINS, COLORADO. Pure-blooded fox hounds on normal and atherogenic diets.
- NO1HD-42924-00** (***) POLTZ, MAX, LURAY, VIRGINIA. Maintenance of a sheep breeding colony.
- NO1HD-42953-00** (***) VESTERGAARD, PER, ALBANY, NEW YORK. Steroid patterns and coronary risk (human).
- NO1HD-92245-11** (***) PRICE, PAUL J, BETHESDA, MARYLAND. Production of cells from neuroblastomas (human, mammals, non-human).
- RO1HL-00082-25** (PHY) ROOS, ALBERT, WASHINGTON UNIV SCHOOL OF MED, 660 S EUCLID, ST LOUIS, MO. Clinical and experimental research in respiration (barnacle, rats).
- RO1HL-00119-25** (ART) FRIEDMAN, MEYER, MOUNT ZION HOSP AND MED CTR, POST OFFICE BOX 7921, SAN FRANCISCO, CALIF. Regulation of cholesterol and phosphatide metabolism (human, rats).
- RO1HL-00340-25** (CVB) GOLDBERG, MARTIN, HOSP OF UNIV OF PENNSYLVANIA, 3400 SPRUCE ST, 860 GATES BLDG, PHILADELPHIA, PA. Electrolyte disturbance in cardio-renal disease (human, dogs, rats).
- RO1HL-00487-25** (CVA) GREEN, HAROLD D, BOWMAN GRAY SCHOOL OF MEDICINE, 300 S HAWTHORNE ROAD, WINSTON-SALEM, N C. Vasomotor tone and venous return (human, dogs, monkeys).
- RO1HL-00759-24** (CVA) SCHWARTZ, WILLIAM B, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. Regulation of electrolyte and acid base equilibrium (human, dogs).
- RO1HL-00814-22** (CVB) PITTS, ROBERT F, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Renal regulation of body fluids and electrolytes (rats, dogs).
- RO1HL-00851-23** (SGYA) GLENN, WILLIAM W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Experimental cardiac surgery (human).
- RO1HL-00890-22** (CVA) LEHR, DAVID, NEW YORK MEDICAL COLLEGE, FIFTH AVENUE AT 106TH STREET, NEW YORK, N Y. Therapy of experimental myocardial necrosis.
- RO1HL-01015-23** (CVB) HAWTHORNE, EDWARD W, HOWARD UNIVERSITY, 520 W STREET, N W, WASHINGTON, D C. Hypertension and left ventricular hypertrophy (dogs).
- RO1HL-01253-22** (SSS) SCHWAN, HERMAN P, UNIVERSITY OF PENNSYLVANIA, 200 S 33RD STREET, PHILADELPHIA, PA. Electrical and acoustic properties of biological materials.
- RO1HL-01270-22** (CVA) FARBER, SAUL J, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Salt and water retention of heart failure (human, rabbits).
- RO1HL-01313-22** (CVB) SCHER, ALLEN M, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Electrical activity in ventricle (human, dogs).
- RO1HL-01362-22** (CVA) BRODY, DANIEL A, DOBBS MED RESEARCH INSTITUTE, 951 COURT AVE, RM 4560, MEMPHIS, TENN. Generator properties of isolated hearts (rabbits, menleays, dogs, amphibians).
- RO1HL-01486-20** (CVB) LIPESCHIKIN, EUGENE, UNIV OF VERMONT, GIVEN MEDICAL BLDG, BURLINGTON, VT. T waves and myocardial electrolytes and temperatures (human, dogs, chick embryo).
- RO1HL-01601-26** (HEM) LEVIN, JACK, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, HEMATOLOGY DIV, BALTIMORE, MD. Blood coagulation and hemorrhagic disease (human, crabs).
- RO1HL-01612-28** (HEM) QUICK, ABMAUND J, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Telangiectasia and aspirin intolerance in hemophilia (human).
- RO1HL-01623-23** (PTHA) KRAKOWER, CECIL A, UNIVERSITY OF ILLINOIS, 1853 W POLK ST, CHICAGO, ILL. Antigens related to graft rejection (rabbits, rats).
- RO1HL-01646-24** (PHY) DAVENPORT, HORACE W, UNIV OF MICHIGAN MED SCHOOL, DEPARTMENT OF PHYSIOLOGY, ANN ARBOR, MICHIGAN. Lungs in head injury—Regional brain blood flow and Po2 (mammals).
- RO1HL-01648-27** (HEM) BRINKHOUS, KENNETH M, UNIV OF NORTH CAROLINA, DEPARTMENT OF PATHOLOGY, CHAPEL HILL, N C. Blood coagulation and hemophilia (human, animals).
- RO1HL-01661-22** (HEM) RATNOFF, OSCAR D, UNIV HOSPITALS OF CLEVELAND, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Hemostatic mechanisms (human).
- RO1HL-01662-21** (BBCA) SCHERAGA, HAROLD A, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N Y. Equilibria in the fibrinogen-fibrin conversion (human, cattle).
- RO1HL-01755-20** (MED) ASSALI, NICHOLAS S, UNIVERSITY OF CALIFORNIA, CTR FOR HLTH SCIS., LOS ANGELES, CALIF. Fetal and neonatal cardiovascular function (sheep).
- RO1HL-01770-23** (CBY) PEASE, DANIEL C, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Fine structure of kidney, lung, and intestine (rats).
- RO1HL-01782-19** (SGYB) SEALY, WILL C, DUKE UNIVERSITY MED CTR, DURHAM, N C. Cardiovascular and pulmonary problems.
- RO1HL-01782-19** 0001 (SGYB) SEALY, WILL C. Cardiovascular and pulmonary problems—Collateral pulmonary ventilation (dogs).
- RO1HL-01782-19** 0002 (SGYB) SEALY, WILL C. Cardiovascular and pulmonary problems—Shock and the lung (human).
- RO1HL-01782-19** 0003 (SGYB) SEALY, WILL C. Cardiovascular and pulmonary problems—Physiological changes associated with reimplantation of lung (dogs).
- RO1HL-01782-19** 0004 (SGYB) SEALY, WILL C. Cardiovascular and pulmonary problems—Pathogenesis of hypertension in coarctation of the aorta (dogs).
- RO1HL-01803-20** (PTHA) MURPHY, GEORGE E, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N Y. Arteriosclerosis, rheumatic diseases, glomerulonephritis.
- RO1HL-01803-20** 0001 (PTHA) BECKER, CARL G. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Virulence of group A streptococci (mice).
- RO1HL-01803-20** 0002 (PTHA) BECKER, CARL G. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Contractile proteins smooth muscle, muscle-like structure (human, rabbits, goats).
- RO1HL-01803-20** 0005 (PTHA) BECKER, CARL G. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Contractile proteins of muscle and muscle-like structures (human, rabbits, goats).
- RO1HL-01803-20** 0004 (PTHA) BECKER, CARL G. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Contractile proteins in nerves (human, chick embryo).
- RO1HL-01803-20** 0005 (PTHA) MINICK, C RICHARD. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Immunologic and dietary synergy in atherosclerosis and its regression (rabbits).
- RO1HL-01803-20** 0006 (PTHA) MINICK, C RICHARD. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Ultrastructure of induced coronary arteriosclerosis (rabbits).
- RO1HL-01803-20** 0007 (PTHA) MINICK, C RICHARD. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Scanning electron microscopy of induced arteriosclerosis (rabbits).
- RO1HL-01803-20** 0008 (PTHA) JAFFE, E. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Cultures of endothelial cells derived from umbilical cord veins (human).
- RO1HL-01803-20** 0009 (PTHA) ALONSO, DANIEL R. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Induction of hypertension by foreign serum protein (rabbits, horses, cattle).
- RO1HL-01803-20** 0010 (PTHA) ALONSO, DANIEL R. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Atherosclerosis induction by synergy of graft rejection and diet (rabbits).
- RO1HL-01803-20** 0011 (PTHA) BECKER, CARL G. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Atopic allergy in pathogenesis of athero-arteriosclerosis (rabbits).
- RO1HL-01803-20** 0012 (PTHA) BECKER, CARL G. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Inheritance of abnormal lipoprotein patterns (rabbits).
- RO1HL-01803-20** 0013 (PTHA) BECKER, CARL G. Arteriosclerosis, rheumatic diseases, glomerulonephritis—Spontaneous non-lipid arteriosclerosis and cholesterol induced atherosclerosis.
- RO1HL-01813-20** (PHRA) HAUGAARD, NIELS, OLD MEDICAL SCHOOL BUILDING, HAMILTON WALK, PHILADELPHIA, PA. Regulation of metabolism by drugs and hormones (rats).
- RO1HL-01875-21** (ART) PRANTZ, IVAN D, JR, UNIV OF MINNESOTA HOSPITALS, 402 VARIETY CLUB HEART HOSP, MINNEAPOLIS, MINN. Intermediary metabolism of cholesterol (rats).
- RO1HL-01882-20** (BBCB) LINDGREN, FRANK T, UNIVERSITY OF CALIFORNIA, DONNER LABORATORY, BERKELEY, CALIF. Analytical and physical chemistry of serum lipoproteins (human).
- RO1HL-01895-20** (HEM) TAGER, MORRIS, EMORY UNIVERSITY, 501 WOODRUFF NEW BUILDING, ATLANTA, GA. Chemistry and enzymology of staphylococcal activity (human).

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(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01HL-01974-20 (PHY) POST, ROBERT L, VANDERBILT UNIVERSITY MED CTR, DEPARTMENT OF PHYSIOLOGY, NASHVILLE, TENN. Ion-pump in the erythrocyte (rabbits, guinea pigs).
- R01HL-01979-18 (BXP) SNYDER, ROBERT L, ZOOLOGICAL SOC OF PHILADELPHIA, PENROSE RESEARCH LABORATORY, PHILADELPHIA, PA. Cardiovascular disease and behavior (animals).
- R01HL-02001-20 (CVA) CALDWELL, PETER R, COLUMBIA UNIVERSITY, COLL OF PHYSICIANS & SURGEONS, NEW YORK, N Y. Cardiopulmonary physiology (human, dogs).
- R01HL-02004-20 (CVB) TOBIAN, LOUIS, UNIVERSITY OF MINNESOTA HOSP, DEPT OF MEDICINE, MINNEAPOLIS, MINN. Pathogenesis of arterial hypertension (rats, rabbits).
- R01HL-02033-20 (MET) TREADWELL, CARLETON R, GEORGE WASHINGTON UNIVERSITY, 901 23RD STREET, N W, WASHINGTON, D C. Regulation of cholesterol esters in blood and tissues (dog, rat, cattle, human).
- R01HL-02038-20 (SGYB) MULLER, WILLIAM H, JR, UNIV OF VIRGINIA MED CENTER, DEPARTMENT OF SURGERY, CHARLOTTESVILLE, VA. Experimental and clinical cardiovascular surgery (dogs, cattle).
- R01HL-02063-19 (MBY) MARINETTI, GUIDO V, UNIVERSITY OF ROCHESTER MED CT, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Biochemistry and function of lipids and cell membranes (human, rats).
- R01HL-02073-19 (CVA) HOLT, J P, UNIVERSITY OF LOUISVILLE, SCHOOL OF MEDICINE, LOUISVILLE, KY. Residual volume and similarity in the circulation (animals).
- R01HL-02212-19 (HEM) LORAND, LASZLO, NORTHWESTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, EVANSTON, ILL. Coagulation of blood (human).
- R01HL-02228-19 (PHY) SCHMIDT-NIELSEN, KNUIT, DUKE UNIVERSITY, DEPARTMENT OF ZOOLOGY, DURHAM, N C. Water metabolism, temperature regulation, and exercise (animals).
- R01HL-02254-19 (HEM) LEWIS, JESSICA H, UNIV OF PITTSBURGH MED SCHOOL, DEPARTMENT OF MEDICINE, PITTSBURGH, PA. Blood coagulation and hemorrhagic disease (human, animals).
- R01HL-02262-19 (HEM) REEVE, E BASIL, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Mechanisms regulating plasma proteins and solutes (human, calves).
- R01HL-02334-18 (GMA) GOTTSCHALK, CARL W, UNIV OF NO CAROLINA SCH OF MED, DEPARTMENT OF MEDICINE, CHAPEL HILL, N C. Micropuncture study of kidney function (rats).
- R01HL-02342-18 (MCHB) JORDAN, JOSEPH, PENNSYLVANIA STATE UNIVERSITY, DAVEY LABORATORY, ROOM 152, UNIVERSITY PARK, PA. Electron transfer mechanisms and hemoprotein models.
- R01HL-02379-17 (CVA) LEWIS, BENJAMIN M, 540 E CANFIELD, DETROIT, MICH. Pulmonary capillary bed in cardio-pulmonary disease (human).
- R01HL-02457-16 (CVB) PERLMUTT, JOSEPH M, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PHYSIOLOGY, CHAPEL HILL, N C. Neural and hormonal control of kidney function (rats).
- R01HL-02477-18 (PC) BLOCH, KONRAD E, HARVARD UNIVERSITY, 12 OXFORD STREET, CAMBRIDGE, MASS. Biosynthesis and function of lipids (microorganisms).
- R01HL-02493-17 (CVB) BARGER, A CLIFFORD, HARVARD MEDICAL SCH, 25 SHATTUCK ST, BOSTON, MASS. Kidney function in experimental heart failure (human, dogs).
- R01HL-02558-18 (BIO) SCHROEDER, WALTER A, CALIFORNIA INST OF TECH, 1201 E CALIFORNIA BLVD, PASADENA, CALIF. Structure-function relationships in the heme proteins (human, cattle).
- R01HL-02644-18 (CVB) ECKSTEIN, JOHN W, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Venomotor responses to circulatory alterations (human, dogs, hamsters).
- R01HL-02751-17 (BIO) PETERS, THEODORE, JR, MARY IMOGENE BASSETT HOSPITAL, ATWELL ROAD, COOPERSTOWN, N Y. Formation and function of serum albumin (cattle, rats).
- R01HL-02799-17 (HEM) CHARACHE, SAMUEL, JOHNS HOPKINS HOSPITAL, BLALOCK 1030, BALTIMORE, MD. Abnormal hemoglobins (human).
- R01HL-02835-17 (PHRA) ROSS, CHARLES R, SUNY UPSTATE MEDICAL CENTER, 766 IRVING AVENUE, SYRACUSE, N Y. Renal transport carrier for organic compounds (dogs).
- R01HL-02875-16 (PHRA) LEE, KWANG S, RESEARCH FOUNDATION OF SUNY, ALBANY, N Y. Mechanism of the action of cardiac glycosides (dogs).
- R01HL-02888-18 (PHY) TENNEY, STEPHEN M, DARTMOUTH MEDICAL SCHOOL, DEPT OF PHYSIOLOGY, HAMOVER, N H. Interrelationships of circulation and respiration.
- R01HL-02904-18 (HEM) GLUECK, HELEN I, CINCINNATI GENERAL HOSPITAL, BURNET AVENUE, CINCINNATI, OHIO. Determination of natural clotting factors (human).
- R01HL-02942-18 (PC) BERENSON, GERALD S, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Cardiovascular connective tissue biochemistry (human, primates, nonhuman, cattle).
- R01HL-02953-17 (PHRA) MORAN, NEIL C, EMORY UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, ATLANTA, GA. Autonomic and cardiovascular pharmacology (rats, rabbits, dogs, guinea pigs).
- R01HL-02965-18 (MET) EDER, HOWARD A, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Metabolism of plasma lipoproteins.
- R01HL-02965-18 0001 (MET) EDER, HOWARD A. Metabolism of plasma lipoproteins—Chemical characterization of rat apolipoprotein.
- R01HL-02965-18 0002 (MET) EDER, HOWARD A. Metabolism of plasma lipoproteins—Lipid-free apoprotein in rat plasma.
- R01HL-02965-18 0003 (MET) EDER, HOWARD A. Metabolism of plasma lipoproteins—Metabolism of constituent proteins of rat lipoproteins.
- R01HL-02965-18 0004 (MET) EDER, HOWARD A. Metabolism of plasma lipoproteins—Lipoprotein characterization (rats).
- R01HL-02986-18 (PTHA) SPARGO, BENJAMIN H, 950 EAST 59TH STREET, CHICAGO, ILL. Zonal renal change with potassium depletion (rats).
- P01HL-03174-19 (HEP) BENDITT, EARL P, UNIVERSITY OF WASHINGTON, PATHOLOGY DEPARTMENT, SEATTLE, WASH. Mechanisms of acute vascular reaction to injury.
- P01HL-03174-19 0001 (HEP) SCHWARTZ, STEPHEN M. Mechanisms of acute vascular reaction to injury—Properties and functions of the aortic intima (rats).
- P01HL-03174-19 0002 (HEP) BENDITT, EARL P. Mechanisms of acute vascular reaction to injury—Amyloid substance-chemical structure, pathological significance (human, animals).
- P01HL-03174-19 0003 (HEP) PAGE, ROY C. Mechanisms of acute vascular reaction to injury—Collagen-sites for intra- and intermolecular crosslinking (chickens).
- P01HL-03174-19 0004 (HEP) HUANG, THOMAS. Mechanisms of acute vascular reaction to injury—Structure and chemical composition of human glomerular basement membrane.
- P01HL-03174-19 0005 (HEP) STRIKER, GARY E. Mechanisms of acute vascular reaction to injury—Glomerular basement membrane synthesis (primates, human, rats).
- P01HL-03174-19 0006 (HEP) MOSS, NED S. Mechanisms of acute vascular reaction to injury—Cells of fibrous plaque in tissue culture.
- P01HL-03174-19 0007 (HEP) VRACKO, RUDOLPH. Mechanisms of acute vascular reaction to injury—Basement lamina-function in vascular tissue maintenance and repair (rabbits).
- P01HL-03174-19 0008 (HEP) REICHENBACH, DENNIS D. Mechanisms of acute vascular reaction to injury—Response of myocardial cells to injury-induction of changes, mode of repair (rat).
- P01HL-03174-19 0009 (HEP) LAGUNOFF, DAVID. Mechanisms of acute vascular reaction to injury—Mechanism of release of vasoactive amines (rats).
- R01HL-03180-17 (SGYB) LEEBS, SANFORD E, 2211 POST STREET, SAN FRANCISCO, CALIF. Relation of lymphatics to cardiopulmonary function (dogs, human).
- R01HL-03181-17 (SGYA) SCHENK, WORTHINGTON G, JR, STATE UNIVERSITY OF NEW YORK, 462 GRIDER STREET, BUFFALO, N Y. Hemodynamics as applied to surgical problems.
- R01HL-03181-17 0001 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Renal blood flow measurements (dogs).
- R01HL-03181-17 0002 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Aortic constriction (dogs).
- R01HL-03181-17 0003 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Hepatic hemodynamics (dogs).
- R01HL-03181-17 0013 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Hemodynamic effects of inferior vena cava ligation (dogs).
- R01HL-03181-17 0014 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Effect of mitral insufficiency (dogs).
- R01HL-03181-17 0015 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Electromagnetic blood flow measurement (human).
- R01HL-03181-17 0016 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Cardiac output in hypovolemia (dogs).
- R01HL-03181-17 0018 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Effects of anesthesia on mesenteric blood flow after hemorrhage (dogs).
- R01HL-03181-17 0019 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Renal blood flow after unilateral nephrectomy (dogs).
- R01HL-03181-17 0020 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Cardiac output and its regional distribution (dogs).
- R01HL-03181-17 0022 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Experimental fat embolism (dogs).
- R01HL-03181-17 0023 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Intravascular coagulation (dogs).
- R01HL-03181-17 0024 (SGYA) SCHENK, WORTHINGTON G, JR.. Hemodynamics as applied to surgical problems—Pharmacological manipulation of blood flow (dogs).
- R01HL-03181-17 0025 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Effects of vasodilators in vascular stenosis (dogs).
- R01HL-03181-17 0026 (SGYA) SCHENK, WORTHINGTON G JR. Hemodynamics as applied to surgical problems—Prophylaxis of pulmonary embolism (human).
- R01HL-03181-17 0027 (SGYA) SCHENK, WORTHINGTON, G JR. Hemodynamics as applied to surgical problems—Relation of intestinal blood flow to intestinal secretion.
- R01HL-03191-17 (CVA) PILLEY, GILES F, UNIV OF COLORADO MED CENTER, 4200 EAST NINTH AVENUE, DENVER, COLO. Cardiopulmonary disability for muscular exercise (human, dogs).
- R01HL-03212-17 (PHY) VISSCHER, MAURICE B, STONE RESEARCH LABORATORIES, 421 29TH AVENUE S E, MINNEAPOLIS, MINN. Myocardial physiology (rabbits, cats).
- R01HL-03226-16 (PC) WOLFE, RAYMOND G, UNIVERSITY OF OREGON, DEPT OF CHEMISTRY, EUGENE, OREG. Enzyme catalytic mechanism studies (swine).
- R01HL-03275-16 (CVA) DOTTER, CHARLES T, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Applied hemodynamics in cardiovascular radiology (human).
- R01HL-03290-17 (CVB) HONIG, CARL R, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Controls of cardiac and vascular smooth muscles.
- R01HL-03299-17 (SSS) KRITCHEVSKY, DAVID, WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Dietary effects on cholesterol metabolism (rats, rabbits).
- R01HL-03303-17 (CVA) WALKER, W GORDON, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Factors regulating electrolyte excretion by the kidney (human, dogs).
- R01HL-03341-17 (EDC) HAMES, CURTIS G, EVANS COUNTY HEALTH DEPT, CLAXTON, GA. Epidemiology of atherosclerosis in Evans Co Georgia.
- R01HL-03357-17 (HEM) GORDON, ALBERT S, NEW YORK UNIVERSITY, 100 WASHINGTON SQUARE EAST, NEW YORK, N Y. Humoral control of blood cell formation and release (rats, mice).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01HL-03365-17 (HMB) PAYNE, ROSE O, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Leukocyte antigens and antibodies (human).
- R01HL-03424-17 (HEM) SBOGERS, WALTER H, WAYNE STATE UNIV, SCH OF MED, 540 E CANFIELD, DETROIT, MICH. Formation and properties of prothrombin derivatives (cattle).
- R01HL-03429-15 (SSS) ROSINMAN, RAY H, MT ZION HOSPITAL & MEDICAL CTR, 1600 DIVISADERO STREET, SAN FRANCISCO, CALIF. Central nervous system and coronary heart disease (human).
- R01HL-03444-16 (PTHA) HAIMOVICI, HENRY, MONTEFIORE HOSP & MED CTR, 111 EAST 210 STREET, BRONX, N.Y. Alterations of arterial tissue in atherosclerosis.
- R01HL-03444-16 0001 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Oxidative capacity of succinic oxidase and cytochrome oxidase and cytochrome oxid.
- R01HL-03444-16 0002 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Oxidative activity in homogenates of normal arterial tissue (human, rabbits, dogs).
- R01HL-03444-16 0003 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Oxidative capacity of arterial tissue in experimental atherosclerosis (rabbits, do).
- R01HL-03444-16 0004 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Lipase and esterase activity of normal aortic tissue (human, rabbits, dogs).
- R01HL-03444-16 0005 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Lipase and esterase activity of atherosclerosis (rabbits, dogs).
- R01HL-03444-16 0006 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Enzyme histochemistry of normal and atherosclerotic aorta (dogs).
- R01HL-03444-16 0007 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Aortic homografts in canine atherosclerosis.
- R01HL-03444-16 0008 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Fate of autogenous abdominal aortic grafts (dogs).
- R01HL-03444-16 0009 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Experimental cerebral atherosclerosis in dogs.
- R01HL-03444-16 0010 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Experimental coronary atherosclerosis (dogs).
- R01HL-03444-16 0011 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Fate of homologous thoracic grafts in experimental atherosclerosis (dogs).
- R01HL-03444-16 0012 (PTHA) HAIMOVICI, HENRY. Alterations of arterial tissue in atherosclerosis—Quantitative biochemical methods of enzymes (human, dogs, rabbits).
- R01HL-03509-17 (HEM) HARTMANN, ROBERT C, VANDERBILT UNIVERSITY HOSPITAL, NASHVILLE, TENN. Cellular defects in nocturnal hemoglobinuria (human).
- R01HL-03532-17 (CVB) WOOD, EARL H, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Cardiovascular control and compensatory responses (human, dogs, monkeys).
- R01HL-03599-17 (BIO) NODA, LAFAYETTE H, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF BIOCHEMISTRY, HANOVER, N.H. High energy phosphate transferring enzymes (swine, rabbit, carp, squid).
- R01HL-03632-16 (MET) PATTON, STUART, 105 BORLAND LABORATORY, UNIVERSITY PARK, PA. Structure and synthesis of milk lipids (ruminants, rats).
- R01HL-03693-15 (HMB) FIBGEN, GEORGE A, STANFORD UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, STANFORD, CALIF. Anaphylaxis in the isolated heart (rabbits, guinea pigs).
- R01HL-03709-17 (EM) SLADE, HUTTON D, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Biological activities of group A Streptococcus.
- R01HL-03726-15 (ALY) KAPLAN, MELVIN H, METROPOLITAN GENERAL HOSPITAL, 3395 SCRANTON ROAD, CLEVELAND, OHIO. Immunologic relation of streptococcal antigen and heart (human, rabbits).
- R01HL-03745-17 (HEM) FLETCHER, ANTHONY P, WASHINGTON UNIV SCH OF MED, 660 S EUCLID, ST LOUIS, MO. Enzyme factors influencing intravascular fibrinolysis (human).
- R01HL-03756-17 (CVB) BOHR, DAVID P, UNIVERSITY OF MICHIGAN, DEPARTMENT OF PHYSIOLOGY, ANN ARBOR, MICH. Vascular changes in hypertension (swine).
- R01HL-03906-16 (HEM) MILSTONE, J HASKELL, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Thrombokinase of the blood and fibrinolysis (cattle).
- R01HL-03919-16 (ALY) MC CARTY, MACLYN, ROCKEFELLER UNIVERSITY, NEW YORK, N.Y. The cell surface of streptococci.
- R01HL-03941-15 (CVA) GREISS, FRANK C, JR, BOWMAN GRAY SCH OF MEDICINE, DEPT OF OBSTETRICS & GYNECOLOG, WRISTON-SALEM, N.C. Uterine blood flow and changes in pregnancy (sheep).
- R01HL-03973-16 (PTHA) CHANDLER, ARTHUR B, MEDICAL COLLEGE OF GEORGIA, DEPARTMENT OF PATHOLOGY, AUGUSTA, GA. New technique for in vitro production of thrombi (human, dogs, rats).
- R01HL-04032-21 (CVA) KAO, FREDERICK P, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N.Y. Regulation of respiration at rest and during exercise (human, dogs, sheep).
- R01HL-04108-16 (CVA) FORSTER, ROBERT E, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Measurement of rates of gas uptake by human red cells.
- R01HL-04219-16 (PC) GIBSON, DAVID M, INDIANA UNIVERSITY SCH OF MED, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Fatty acid biosynthesis (rats).
- R01HL-04300-16 (PTHA) JONES, DAVID B, 750 EAST ADAMS ST, SYRACUSE, N.Y. Fine structure of diseased glomeruli (human).
- R01HL-04366-16 (SSS) ROBBINS, KENNETH C, MICHAEL REESE RES FOUNDATION, 530 EAST 31ST STREET, CHICAGO, ILL. Plasminogen—Activation and structure-function relations (mammals, birds).
- R01HL-04372-14 (MET) MENG, H C, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Lipolytic enzymes in plasma and tissues (rats, sheep).
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01HL-04885-15 (HEM) LOEWY, ARHEL G, HAVERFORD COLLEGE, DEPARTMENT OF BIOLOGY, HAVERFORD, PA. Distribution and function of the isopeptide bond.
- R01HL-04442-16 (PC) RABINOWITZ, MURRAY, UNIVERSITY OF CHICAGO, 950 EAST 59 STREET, CHICAGO, ILL. Mitochondrial assembly and replication (fungi, mammals).
- R01HL-04457-16 (PHY) FORSTER, ROY P, DARTMOUTH COLLEGE, DEPT OF BIOLOGICAL SCIENCES, HANOVER, N.H. Cellular aspects of active transport (fish).
- R01HL-04512-15 (CBY) WISSIG, STEVEN L, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. Ultrastructural studies of capillary permeability (rats, mice, dogs).
- R01HL-04612-15 (HEM) BRISLEY, ALLAN J, 1015 SANSON STREET, PHILADELPHIA, PA. Humoral and feedback mechanisms of erythropoiesis (mice, rabbits).
- R01HL-04639-15 (SGYB) SMITH, LOUIS L, LOMA LINDA UNIVERSITY, LOMA LINDA, CALIF. Vascular reactivity in surgical care (dogs).
- R01HL-04651-15 (SGYB) GLENN, WILLIAM W, 333 CEDAR STREET, NEW HAVEN, CONN. Remote stimulation by radio-frequency transmission (dogs, human).
- P01HL-04664-14 (HEP) WOOD, EARL H, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. X-ray videometry computer analysis of cardiodynamics (dogs).
- R01HL-04666-15 (CVA) ESCHER, DORIS J, MONTEFIORE HOSP & MEDICAL CTR, 111 EAST 210TH STREET, BRONX, N.Y. Artificially paced hearts—Technology, physiology (human, dogs).
- R01HL-04697-15 (TBC) KEYS, ANCEL, UNIVERSITY OF MINNESOTA, STADNUM GATE 27, MINNEAPOLIS, MINN. International heart disease epidemiology (human).
- R01HL-04741-15 (PHY) SMITH, ORVILLE A, JR, UNIVERSITY OF WASHINGTON, DEPT OF PHYSIOLOGY & BIO, SEATTLE, WASH. Central nervous control of cardiovascular function (primates).
- R01HL-04797-15 (CVA) DU BOIS, ARTHUR B, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Pulmonary circulatory insufficiency (human, dogs, lambs).
- R01HL-04801-14 (CVB) STUCKEY, JACKSON H, SUNY-DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N.Y. Cardiac conduction and cardiac contraction (dogs).
- R01HL-04868-14 (PHY) ROSENFELD, SHIELDON, CEDARS-SINAI MEDICAL CENTER, 8720 BEVERLY BOULEVARD, LOS ANGELES, CALIF. Physiological studies on the isolated perfused kidney (rabbits).
- R01HL-04881-15 (SGYB) THEYE, RICHARD A, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER MINN. Gas exchange during anesthesia and thoracic surgery (human, dogs).
- P01HL-04885-15 (HEP) DETWEILER, DAVID K, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Comparative cardiovascular studies.
- P01HL-04885-15 0001 (HEP) DETWEILER, D K. Comparative cardiovascular studies—Arterial hypertension in dogs.
- P01HL-04885-15 0002 (HEP) PATTERSON, D F. Comparative cardiovascular studies—Inheritance and linkage in congenital heart disease (dogs).
- P01HL-04885-15 0003 (HEP) PATTERSON, D F. Comparative cardiovascular studies—Vertical transmission of an infectious agent in congenital heart disease (dogs).
- P01HL-04885-15 0004 (HEP) PATTERSON, D F. Comparative cardiovascular studies—Cardiac malformations in congenital heart disease (dogs).
- P01HL-04885-15 0005 (HEP) BUCHANAN, J W. Comparative cardiovascular studies—Patent ductus arteriosus anatomy (dogs).
- P01HL-04885-15 0006 (HEP) KNIGHT, D H. Comparative cardiovascular studies—Hereditary patent ductus arteriosus physiology (dogs).
- P01HL-04885-15 0007 (HEP) MOORE, E N. Comparative cardiovascular studies—Electrophysiological changes in ventricular hypertrophy and dilatation (dogs).
- P01HL-04885-15 0008 (HEP) MOORE, E N. Comparative cardiovascular studies—Electrophysiological changes in atrial hypertrophy and dilatation (dogs).
- P01HL-04885-15 0009 (HEP) MOORE, E N. Comparative cardiovascular studies—Spontaneous and experimental cardiac arrhythmias (dogs).
- P01HL-04885-15 0010 (HEP) MELBIN, J. Comparative cardiovascular studies—Constricted non-conic vessels in dynamic environment (models, calves).
- P01HL-04885-15 0011 (HEP) MELBIN, J. Comparative cardiovascular studies—Distension character and stress distribution in vessels of different shapes.
- P01HL-04885-15 0012 (HEP) MELBIN, J. Comparative cardiovascular studies—Physical aspects of flows in the pulmonary trunk.
- P01HL-04885-15 0013 (HEP) MELBIN, J. Comparative cardiovascular studies—Spectral analyses of pressure and flow in pulmonary trunk (models, calves, dogs).
- P01HL-04885-15 0014 (HEP) MELBIN, J. Comparative cardiovascular studies—Temporal course of ejection of right ventricle.
- P01HL-04885-15 0015 (HEP) MELBIN, J. Comparative cardiovascular studies—Alterations of pulmonary trunk compliance.
- P01HL-04885-15 0016 (HEP) CHACKO, S K. Comparative cardiovascular studies—Mitotic cycle and cardiac myoblasts (chick embryo).
- R01HL-04969-14 (NTN) MC GILLIARD, A DARE, IOWA STATE UNIVERSITY, 313 KILDEE HALL, AMES, IOWA 50010. Diet, cholesterol absorption and atherosclerosis (calves, goats).
- R01HL-05004-13 (HEM) TAYLOR, WILLIAM J, UNIV OF FLORIDA COLL OF MED, DEPARTMENT OF MEDICINE, GAINESVILLE, FLA. Sickle cell anemia (deer).
- R01HL-05020-14 (SSS) ASTRUP, TAGE, INSTITUTE FOR MEDICAL RESEARCH, 5401 WESTERN AVENUE, N.W., WASHINGTON, D.C. Pathogenesis of arteriogenesis (dog, human).
- R01HL-05168-15 (HEM) HUISMAN, TITUS H, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA. Inhomogeneity of hemoglobin types (human, ruminants, primates).
- R01HL-05209-14 (MET) KRITCHEVSKY, DAVID, WSTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Lipid metabolism (baboons, monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HL-05280-15 (HEM) POOL, JUDITH G, STANFORD UNIVERSITY SCH OF MED, DEPT OF MEDICINE, STANFORD, CALIF. Pathophysiology of hemophilia (human, rats, rabbits).
- RO1HL-05285-14 (MET) MARSH, JULIAN B, 4001 SPRUCE STREET, PHILADELPHIA, PA. Biosynthesis of plasma lipoprotein (rats).
- RO1HL-05351-14 (HEM) MOHN, JAMES F, STATE UNIVERSITY OF NEW YORK, SCHOOL OF MEDICINE, BUFFALO, N Y. Blood group antigens and antibodies (human, sheep).
- RO1HL-05360-15 (MET) GOULD, R GORDON, STANFORD UNIV MEDICAL CENTER, 300 PASTEUR DRIVE, STANFORD, CALIF. Cholesterol metabolism and hypocholesterolemic drugs (rats).
- RO1HL-05415-14 (HEM) SPAET, THEODORE M, MONTEFIORE HOSPITAL, 111 EAST 210TH STREET, BRONX, N Y. Hemostatic homeostasis (human, rabbits).
- PO1HL-05435-14 (HEP) DE BAKRY, MICHAEL E, BAYLOR UNIVERSITY COLL OF MED, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Cardiovascular research and training program.
- PO1HL-05435-14 0001 (HEP) GOTTO, ANTONIO M. Cardiovascular research and training program—Applied lipid research (human).
- PO1HL-05435-14 0002 (HEP) MELNICK, JOSEPH L. Cardiovascular research and training program—Virology (human).
- PO1HL-05435-14 0003 (HEP) DI FRRANTE, NICOLA. Cardiovascular research and training program—Connective tissue (human).
- PO1HL-05435-14 0004 (HEP) HORNING, EVANS C. Cardiovascular research and training program—Analytical biochemistry (human).
- PO1HL-05435-14 0017 (HEP) BUTLER, WILLIAM T. Cardiovascular research and training program—Immunology (primates).
- PO1HL-05435-14 0022 (HEP) UNGAR, G. Cardiovascular research and training program—Anesthesia research laboratory (human).
- PO1HL-05435-14 0023 (HEP) SCHWARTZ, ARNOLD. Cardiovascular research and training program—Cell biophysics—Myocardial biology (human, animals).
- PO1HL-05435-14 0024 (HEP) KELLAWAY, PETER. Cardiovascular research and training program—Neurophysiology (pigs, monkeys, human).
- PO1HL-05435-14 0026 (HEP) HANLEY, HENRY. Cardiovascular research and training program—Circulatory dynamics (human, animals).
- PO1HL-05435-14 0028 (HEP) FLYNN, CHESTER J. Cardiovascular research and training program—Monitoring (human).
- PO1HL-05435-14 0029 (HEP) ALFREY, CLARENCE. Cardiovascular research and training program—Hematology (human).
- PO1HL-05435-14 0030 (HEP) JOHNSON, PHILIP. Cardiovascular research and training program—Nuclear medicine (human, dogs).
- PO1HL-05435-14 0031 (HEP) VOSS, WILLIAM R. Cardiovascular research and training program—Vivarium (mammals).
- PO1HL-05435-14 0033 (HEP) TRENTIN, JOHN L. Cardiovascular research and training program—Immunology II (human, mice).
- PO1HL-05435-14 0034 (HEP) DE BAKRY, MICHAEL E. Cardiovascular research and training program—Cardiovascular surgery (human).
- PO1HL-05435-14 0035 (HEP) COLE, JAMES S. Cardiovascular research and training program—Instrument development and evaluation laboratory.
- PO1HL-05435-14 0036 (HEP) WRIGHT, KINSMAN E. Cardiovascular research and training program—Cardiology diagnostic laboratory.
- PO1HL-05435-14 0037 (HEP) THOMPSON, HOWARD K. Cardiovascular research and training program—Data acquisition storage section of the circulatory dynamics laboratory.
- RO1HL-05457-14 (BIO) MACKLER, BRUCE, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Biological oxidations (human, mammals, microorganisms).
- RO1HL-05556-14 (BCA) GURD, FRANK R, INDIANA UNIVERSITY, DEPARTMENT OF CHEMISTRY, BLOOMINGTON, IND. Structure and reactivity of proteins and lipoproteins (human, cetacea, seals).
- RO1HL-05694-15 (PTHA) EDWARDS, JESSE E, UNITED HOSPS, INC-MILLER DIV, 125 WEST COLLEGE AVE, ST PAUL, MINN. Functional pathology of cardiovascular disease (human).
- RO1HL-05711-13 (CVA) SHAPIRO, ALVIN P, UNIVERSITY OF PITTSBURGH, ROOM 1188 SCAIFE HALL, PITTSBURGH, PA. Pressor mechanisms in hypertension (human).
- RO1HL-05791-14 (PC) BIENESCH, RUTH E, COLUMBIA UNIV, 630 WEST 168TH STREET, NEW YORK, N Y. Structure and function in hemoglobins (sheep, human).
- RO1HL-05806-14 (PHRA) LUCCHESI, BENEDICT R, UNIVERSITY OF MICHIGAN, M6322 MEDICAL SCI BLDG I, ANN ARBOR, MICH. Analysis of antiarrhythmic agents (dogs, rabbits).
- RO1HL-05875-14 (CVB) HACKEL, DONALD B, DUKE UNIVERSITY, MEDICAL CENTER, DURHAM, N C. Pathologic metabolic and physiologic studies of heart (dogs).
- RO1HL-05883-14 (AFY) SHEPHERD, JOHN T, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Reflex control of resistance and capacitance vessels.
- RO1HL-05933-15 (SOYA) GAENSLER, EDWARD A, 15 STOUGHTON STREET, BOSTON, MASS. Applied pulmonary physiology (human).
- RO1HL-05949-14 (BBCB) GERGELY, JOHN, BOSTON BIOMEDICAL RES INST, 20 STAMFORD STREET, BOSTON, MASS. Biochemistry of muscle contraction (rats, rabbits, slime molds).
- RO1HL-06128-14 (HEM) RAPAPORT, SAMUEL I, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Relationships between coagulability and thrombosis (human, rabbits, monkeys).
- RO1HL-06139-14 (CVB) CHIEN, SHU, COLUMBIA UNIVERSITY, 630 W 168 STREET, NEW YORK, N Y. Rheological changes in hemorrhagic shock (human, dogs).
- RO1HL-06143-14 (AFY) DONALD, DAVID E, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Response of the totally denervated heart to exercise (dogs).
- RO1HL-06163-13 (SOYB) HARDY, JAMES D, UNIVERSITY OF MISSISSIPPI, 2500 N STATE STREET, JACKSON, MISS. Heart transplantation (dogs).
- RO1HL-06221-13 (MET) ALAUPOVIC, PETAR, OKLAHOMA MEDICAL RES FDM, 825 N E 13TH STREET, OKLAHOMA CITY, OKLA. Composition and structure of plasma lipoproteins.
- RO1HL-06221-13 0001 (MET) ALAUPOVIC, PETAR. Composition and structure of plasma lipoproteins—Characterization of apolipoproteins and lipoproteins (human).
- RO1HL-06221-13 0002 (MET) ALAUPOVIC, PETAR. Composition and structure of plasma lipoproteins—Abnormal low density lipoproteins in obstructive jaundice (human, rats, dogs).
- RO1HL-06221-13 0003 (MET) ALAUPOVIC, PETAR. Composition and structure of plasma lipoproteins—Characterization of apolipoproteins and lipoproteins in animals.
- RO1HL-06241-13 (HEM) WEEB, ROBERT I, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Structure-function relations in blood cell membranes (human, rats).
- RO1HL-06242-14 (HEM) FINCH, CLEMENT A, UNIVERSITY OF WASHINGTON, A4512 UNIVERSITY HOSPITAL, SEATTLE, WASH. Kinetic studies of blood (human).
- RO1HL-06276-13 (PTHA) GILLULAN, LOIS A, UNIVERSITY OF KENTUCKY, DEPARTMENT OF ANATOMY, LEXINGTON, KY. Nervous system vascular patterns (human, mammals nonhuman).
- PO1HL-06285-14 (HEP) HAVEL, RICHARD J, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Cardiovascular-respiratory physiology and biochemistry.
- PO1HL-06285-14 0125 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Myocardial function in the fetal and neonatal lamb.
- PO1HL-06285-14 0126 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Ventricular output, foramen ovale and ductus arteriosus flows (lamb).
- PO1HL-06285-14 0127 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Experimental congenital cardiac lesions in fetal lambs.
- PO1HL-06285-14 0128 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Pulmonary circulation in fetal lambs in utero.
- PO1HL-06285-14 0129 (HEP) CREAMY, ROBERT K. Cardiovascular-respiratory physiology and biochemistry—Pulmonary circulation in the fetus and neonate (lamb).
- PO1HL-06285-14 0130 (HEP) CREAMY, ROBERT K. Cardiovascular-respiratory physiology and biochemistry—Ductus arteriosus—Morphological development (human, lamb).
- PO1HL-06285-14 0131 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Heart function and right ventricular outflow obstruction (lamb).
- PO1HL-06285-14 0132 (HEP) CREAMY, ROBERT K. Cardiovascular-respiratory physiology and biochemistry—Umbilical-placental circulatory responses (lamb).
- PO1HL-06285-14 0133 (HEP) CREAMY, ROBERT K. Cardiovascular-respiratory physiology and biochemistry—Decreased uterine blood flow and fetal development (lamb).
- PO1HL-06285-14 0134 (HEP) CREAMY, ROBERT K. Cardiovascular-respiratory physiology and biochemistry—Placental transfer in growth retarded fetuses (lamb).
- PO1HL-06285-14 0135 (HEP) CREAMY, ROBERT K. Cardiovascular-respiratory physiology and biochemistry—Beta-adrenergic agents and fetal cardiovascular dynamics (lamb).
- PO1HL-06285-14 0136 (HEP) CREAMY, ROBERT K. Cardiovascular-respiratory physiology and biochemistry—Fetal microcirculation in utero (rabbits, lamb).
- PO1HL-06285-14 0137 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Patent ductus arteriosus in premature infants.
- PO1HL-06285-14 0138 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Ductus arteriosus in infants with congenital lesions (human).
- PO1HL-06285-14 0139 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Pulmonary circulation in infants with congenital cardiac disease (and lambs).
- PO1HL-06285-14 0140 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Development of myocardium and coronary circulation (human).
- PO1HL-06285-14 0141 (HEP) HEYMANN, MICHAEL A. Cardiovascular-respiratory physiology and biochemistry—Subendocardial ischemia in children with aortic and pulmonary stenosis.
- PO1HL-06285-14 0142 (HEP) CARLSSON, ERIK. Cardiovascular-respiratory physiology and biochemistry—Natural history of endocardial cushion defects (children).
- PO1HL-06285-14 0143 (HEP) HOFFMAN, JULIEN I. Cardiovascular-respiratory physiology and biochemistry—Myocardial ischemia (human, dogs, lamb).
- PO1HL-06285-14 0144 (HEP) SHAMES, DAVID M. Cardiovascular-respiratory physiology and biochemistry—Regional myocardial blood flow (human, dogs).
- PO1HL-06285-14 0145 (HEP) STAUB, NORMAN C. Cardiovascular-respiratory physiology and biochemistry—Pulmonary, pleural and systemic microcirculation (animals).
- PO1HL-06285-14 0146 (HEP) SEVENINGHAUS, JOHN W. Cardiovascular-respiratory physiology and biochemistry—Pathogenesis and detection of hypoxic pulmonary edema (human, animals).
- PO1HL-06285-14 0147 (HEP) SEVENINGHAUS, JOHN W. Cardiovascular-respiratory physiology and biochemistry—Metabolic regulation of cerebral microcirculation (cats).
- PO1HL-06285-14 0143 (HEP) SOKOLOW, MAURICE. Cardiovascular-respiratory physiology and biochemistry—Prognosis and treatment of hypertension (human).
- PO1HL-06285-14 0149 (HEP) SIPERSTEIN, MARVIN D. Cardiovascular-respiratory physiology and biochemistry—Microangiopathy in prediabetic and diabetic subjects.
- PO1HL-06285-14 0150 (HEP) SIPERSTEIN, MARVIN D. Cardiovascular-respiratory physiology and biochemistry—Basement membrane width in non-diabetic hyperglycemia.
- PO1HL-06285-14 0151 (HEP) SIPERSTEIN, MARVIN D. Cardiovascular-respiratory physiology and biochemistry—Microangiopathy in diabetic children and glucose tolerance.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01HL-06285-14 0152 (HEP) SIPERSTEIN, MARVIN D. Cardiovascular-respiratory physiology and biochemistry—Diabetic microangiopathy by organ and tissue culture (human).
- P01HL-06285-14 0153 (HEP) PARMLEY, WILLIAM W. Cardiovascular-respiratory physiology and biochemistry—Myocardial mechanics and pharmacology in isolated papillary muscle (animals).
- P01HL-06285-14 0154 (HEP) PARMLEY, WILLIAM W. Cardiovascular-respiratory physiology and biochemistry—Function and viability of critically ischemic myocardium (dogs).
- P01HL-06285-14 0155 (HEP) PARMLEY, WILLIAM W. Cardiovascular-respiratory physiology and biochemistry—Therapeutic alterations, contractile state in heart failure.
- P01HL-06285-14 0156 (HEP) PARMLEY, WILLIAM W. Cardiovascular-respiratory physiology and biochemistry—Myocardial performance following revascularization (human).
- P01HL-06285-14 0157 (HEP) PARMLEY, WILLIAM W. Cardiovascular-respiratory physiology and biochemistry—Left ventricle outflow impedance analysis (human).
- P01HL-06285-14 0158 (HEP) RAPAPORT, ELLIOT. Cardiovascular-respiratory physiology and biochemistry—Myocardial contractility (dogs).
- P01HL-06285-14 0159 (HEP) RAPAPORT, ELLIOT. Cardiovascular-respiratory physiology and biochemistry—Heart rate and coronary blood flow in congestive heart failure (human).
- P01HL-06285-14 0160 (HEP) RAPAPORT, ELLIOT. Cardiovascular-respiratory physiology and biochemistry—Hepatic blood flow in cardiogenic shock (human).
- P01HL-06285-14 0161 (HEP) RAPAPORT, ELLIOT. Cardiovascular-respiratory physiology and biochemistry—Electrophysiologic mechanisms of supraventricular tachycardia (human).
- P01HL-06285-14 0162 (HEP) RAPAPORT, ELLIOT. Cardiovascular-respiratory physiology and biochemistry—Electrophysiology and pharmacokinetics of quinidine infusion in man.
- P01HL-06285-14 0163 (HEP) REICHGOTT, MICHAEL J. Cardiovascular-respiratory physiology and biochemistry—Lidocaine in congestive heart failure (human).
- P01HL-06285-14 0164 (HEP) RAPAPORT, ELLIOT. Cardiovascular-respiratory physiology and biochemistry—CPK MB isoenzyme concentration to quantify infarct size (human, animals).
- P01HL-06285-14 0165 (HEP) MCILROY, MALCOLM B. Cardiovascular-respiratory physiology and biochemistry—Diffusing capacity of the lungs for oxygen (human).
- P01HL-06285-14 0166 (HEP) MCILROY, MALCOLM B. Cardiovascular-respiratory physiology and biochemistry—Pattern of respiration on alveolar oxygen tension (human).
- P01HL-06285-14 0167 (HEP) MCILROY, MALCOLM B. Cardiovascular-respiratory physiology and biochemistry—Pulmonary capillary blood flow (human).
- P01HL-06285-14 0168 (HEP) MCILROY, MALCOLM B. Cardiovascular-respiratory physiology and biochemistry—Non-invasive methods for measuring PCO₂ and PO₂ (human).
- P01HL-06285-14 0169 (HEP) MCILROY, MALCOLM B. Cardiovascular-respiratory physiology and biochemistry—Non-invasive cardiac output method for use at rest & during mild exercise (human).
- P01HL-06285-14 0170 (HEP) MCILROY, MALCOLM B. Cardiovascular-respiratory physiology and biochemistry—Effect of propranolol on hemodynamics in hypertensive patients.
- P01HL-06285-14 0171 (HEP) MCILROY, MALCOLM B. Cardiovascular-respiratory physiology and biochemistry—Serial measurement of cardiovascular function during pregnancy (human).
- P01HL-06285-14 0172 (HEP) CARLSSON, ERIK. Cardiovascular-respiratory physiology and biochemistry—Effects of experimental myocardial ischemia on ventricular function (dogs).
- P01HL-06285-14 0173 (HEP) BOTTS, JEAN. Cardiovascular-respiratory physiology and biochemistry—Skeletal and cardiac muscle function.
- P01HL-06285-14 0174 (HEP) WANTANABE, SHIZUO. Cardiovascular-respiratory physiology and biochemistry—Function of myosin and troponin in muscle—Myosin light chains.
- P01HL-06285-14 0175 (HEP) WANTANABE, SHIZUO. Cardiovascular-respiratory physiology and biochemistry—Function of myosin and troponin in muscle—Tropomyosin and troponin.
- P01HL-06285-14 0176 (HEP) WANTANABE, SHIZUO. Cardiovascular-respiratory physiology and biochemistry—Function of myosin and troponin in muscle—Kinetics of ATPase reaction.
- P01HL-06285-14 0177 (HEP) INESI, GIUSEPPE. Cardiovascular-respiratory physiology and biochemistry—Calcium transport in sarcoplasmic membranes (dogs, rabbits).
- P01HL-06285-14 0178 (HEP) KUN, ERNEST. Cardiovascular-respiratory physiology and biochemistry—Biochemical regulation of hypertrophy (rats, rabbits).
- P01HL-06285-14 0179 (HEP) HOLLENBERG, MILTON. Cardiovascular-respiratory physiology and biochemistry—Regulation of myocardial cell growth (rats).
- P01HL-06285-14 0180 (HEP) COLERIDGE, JOHN C. G. Cardiovascular-respiratory physiology and biochemistry—Vagal C-fibers and their influence on visceral and somatic function (animals).
- P01HL-06285-14 0181 (HEP) NADEL, JAY A. Cardiovascular-respiratory physiology and biochemistry—Regulation of respiration—Role of vagus nerves (dogs).
- P01HL-06285-14 0182 (HEP) MITCHELL, ROBERT A. Cardiovascular-respiratory physiology and biochemistry—Structure and function of vascular chemoreceptors (cats, rats).
- P01HL-06285-14 0183 (HEP) GOLDFRIEN, ALAN. Cardiovascular-respiratory physiology and biochemistry—Neural control of norepinephrine secretion by the adrenal medulla (dogs).
- P01HL-06285-14 0184 (HEP) GOLDFRIEN, ALAN. Cardiovascular-respiratory physiology and biochemistry—Regulation of renin secretion (dogs).
- P01HL-06285-14 0185 (HEP) GOLDFRIEN, ALAN. Cardiovascular-respiratory physiology and biochemistry—Catecholamine receptors (rabbits).
- P01HL-06285-14 0186 (HEP) MELMON, KENNETH. Cardiovascular-respiratory physiology and biochemistry—Leukocyte hormone receptors and cyclic nucleotides.
- P01HL-06285-14 0187 (HEP) GOLD, WARREN M. Cardiovascular-respiratory physiology and biochemistry—Regulation of airway smooth muscle (dogs).
- P01HL-06285-14 0188 (HEP) NADEL, JAY A. Cardiovascular-respiratory physiology and biochemistry—Physiology and pharmacology in regulation of airways-hyperirritability (animals).
- P01HL-06285-14 0189 (HEP) NADEL, JAY A. Cardiovascular-respiratory physiology and biochemistry—Physiology, pharmacology in regulation of airways—Mucociliary (animals).
- P01HL-06285-14 0190 (HEP) NADEL, JAY A. Cardiovascular-respiratory physiology and biochemistry—Physiological and pharmacological regulation of airway—Maximal flow (human, dog).
- P01HL-06285-14 0191 (HEP) TOOLEY, WILLIAM. Cardiovascular-respiratory physiology and biochemistry—Control of respiration in early life (human).
- P01HL-06285-14 0192 (HEP) COHEN, ALLEN B. Cardiovascular-respiratory physiology and biochemistry—Biochemical defect in patients with emphysema and alpha-1-antitrypsin deficiency.
- P01HL-06285-14 0193 (HEP) EDELMAN, ISIDORE S. Cardiovascular-respiratory physiology and biochemistry—Hormonal regulation of sodium transport—Aldosterone (rats).
- P01HL-06285-14 0194 (HEP) EDELMAN, ISIDORE S. Cardiovascular-respiratory physiology and biochemistry—Hormonal regulation of sodium transport—RNA synthesis (rats, toads).
- P01HL-06285-14 0196 (HEP) EDELMAN, ISIDORE S. Cardiovascular-respiratory physiology and biochemistry—Hormonal regulation of sodium transport—Epithelial cell membranes (toads).
- P01HL-06285-14 0197 (HEP) RECTOR, FLOYD C. Cardiovascular-respiratory physiology and biochemistry—Microperfusion and micropuncture of renal tubules (hamsters, desert rats).
- P01HL-06285-14 0198 (HEP) RECTOR, FLOYD C. Cardiovascular-respiratory physiology and biochemistry—Renal tubular secretion of hydrogen ion (animals).
- P01HL-06285-14 0199 (HEP) RECTOR, FLOYD C. Cardiovascular-respiratory physiology and biochemistry—Renal tubular reabsorption of sodium chloride (hamsters, rabbits).
- P01HL-06285-14 0200 (HEP) RECTOR, FLOYD C. Cardiovascular-respiratory physiology and biochemistry—Medullary counter-current system (animals).
- P01HL-06285-14 0201 (HEP) DURBIN, RICHARD P. Cardiovascular-respiratory physiology and biochemistry—Regulation of proton transport in gastric mucosa (frogs, dogs).
- P01HL-06285-14 0202 (HEP) SAMPSON, SANFORD R. Cardiovascular-respiratory physiology and biochemistry—Electrophysiology of skeletal and cardiac muscle in thyroid disorders (rats).
- P01HL-06285-14 0203 (HEP) HAVEL, RICHARD J. Cardiovascular-respiratory physiology and biochemistry—Pathways of lipid transport in the blood (animals).
- P01HL-06285-14 0204 (HEP) FELTS, JAMES M. Cardiovascular-respiratory physiology and biochemistry—Lipoprotein lipase and triglyceride transport in chylomicrons (guinea pigs).
- P01HL-06285-14 0205 (HEP) MAYERLE, JOAM A. Cardiovascular-respiratory physiology and biochemistry—Assimilation of cholesterol in chylomicrons and VLDL (rabbits).
- P01HL-06285-14 0206 (HEP) FELTS, JAMES M. Cardiovascular-respiratory physiology and biochemistry—Carbohydrate and lipid metabolism in diabetes (rabbits).
- P01HL-06285-14 0207 (HEP) SIPERSTEIN, MARVIN D. Cardiovascular-respiratory physiology and biochemistry—Feedback control of cholesterol synthesis in non-hepatic tissues (animals).
- P01HL-06285-14 0208 (HEP) CLEMENTS, JOHN A. Cardiovascular-respiratory physiology and biochemistry—Composition, properties and turnover of pulmonary surfactant (human, animals).
- P01HL-06285-14 0209 (HEP) MASON, ROBERT J. Cardiovascular-respiratory physiology and biochemistry—Metabolic studies of isolated lung cells (human, animals).
- P01HL-06285-14 0210 (HEP) GOERKE, R. JON III. Cardiovascular-respiratory physiology and biochemistry—Physicochemical and enzymatic studies of lung surfactant (Halobacterium).
- P01HL-06285-14 0211 (HEP) STOECKENIUS, WALTHER. Cardiovascular-respiratory physiology and biochemistry—The purple membrane of halobacteria.
- P01HL-06285-14 0212 (HEP) STOECKENIUS, WALTHER. Cardiovascular-respiratory physiology and biochemistry—Membrane structure and function—Gap junction (bovine).
- P01HL-06285-14 0213 (HEP) STOECKENIUS, WALTHER. Cardiovascular-respiratory physiology and biochemistry—Membrane structure and function—Gas vacuole membrane (Halobacterium).
- P01HL-06285-14 0214 (HEP) STOECKENIUS, WALTHER. Cardiovascular-respiratory physiology and biochemistry—Membrane structure and function—EM of macromolecules.
- P01HL-06285-14 0215 (HEP) YANG, JEN. Cardiovascular-respiratory physiology and biochemistry—Conformation of biopolymers.
- P01HL-06296-14 (HEP) MITCHELL, JERE M. 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Human adaptation to environmental and exercise stress.
- P01HL-06296-14 0001 (HEP) MULLINS, CHARLES B. Human adaptation to environmental and exercise stress—Dimensional analysis of ventricular function (dogs).
- P01HL-06296-14 0002 (HEP) JOHNSON, ROBERT L. Human adaptation to environmental and exercise stress—Pulmonary blood volume flow and diffusing capacity (human, animals).
- P01HL-06296-14 0003 (HEP) BLOMQUIST, GUNNAR. Human adaptation to environmental and exercise stress—Human exercise studies (human, dogs).
- P01HL-06296-14 0004 (HEP) MULLINS, CHARLES B. Human adaptation to environmental and exercise stress—Clinical studies in cardiovascular diseases (human).
- P01HL-06296-14 0005 (HEP) WIELDENTHAL KERN. Human adaptation to environmental and exercise stress—Regulation of ventricular performance (animals).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01HL-06308-14 (HEP) FISCH, CHARLES, INDIANA UNIVERSITY MEDICAL CTR, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Mechanisms and therapy of circulatory disease.

P01HL-06308-14 0001 (HEP) GIBSON DAVID. Mechanisms and therapy of circulatory disease-Regulation of lipogenesis (rats).

P01HL-06308-14 0002 (HEP) BLAIR P V. Mechanisms and therapy of circulatory disease-Energy transduction and membrane structure in heart mitochondria (cattle).

P01HL-06308-14 0004 (HEP) STEINRAUF, I K. Mechanisms and therapy of circulatory disease-Molecular structure of biochemical regulators.

P01HL-06308-14 0006 (HEP) CHALLONER, DAVID R. Mechanisms and therapy of circulatory disease-Diphthritic myocarditis (guinea pigs, dogs).

P01HL-06308-14 0008 (HEP) HARRIS, ROBERT A. Mechanisms and therapy of circulatory disease-Mechanism of uncoupling.

P01HL-06308-14 0009 (HEP) MANDELBAUM, ISIDORE. Mechanisms and therapy of circulatory disease-Surgical hemodynamics (dogs).

P01HL-06308-14 0010 (HEP) MCHENRY, PAUL. Mechanisms and therapy of circulatory disease-Electrocardiographic ST segment response to exercise (human).

P01HL-06308-14 0011 (HEP) KNOEBEL, SUZANNE B. Mechanisms and therapy of circulatory disease-Myocardial blood flow (human, mammals).

P01HL-06308-14 0012 (HEP) FEIGENBAUM, HARVEY. Mechanisms and therapy of circulatory disease-Clinical evaluation unit and echocardiography (human).

P01HL-06308-14 0015 (HEP) BRASHEAR, RICHARD. Mechanisms and therapy of circulatory disease-Pulmonary circulation (dogs, rats).

P01HL-06308-14 0016 (HEP) LLOYD, THOMAS C JR. Mechanisms and therapy of circulatory disease-Cardiopulmonary baroreflexes (dogs).

P01HL-06308-14 0023 (HEP) ALLMANN, DAVID. Mechanisms and therapy of circulatory disease-Polypeptides and heart mitochondrial structure and function (rats).

P01HL-06308-14 0024 (HEP) MORGAN, CARL R. Mechanisms and therapy of circulatory disease-Insulin induction of enzyme biosynthesis in the liver (rats).

P01HL-06308-14 0025 (HEP) BESCH, HENRY R JR. Mechanisms and therapy of circulatory disease-Subcellular calcium pools and arrhythmias (animals).

P01HL-06308-14 0026 (HEP) WANTANABE, AUGUST M. Mechanisms and therapy of circulatory disease-Clinical myocardial pharmacology.

P01HL-06308-14 0027 (HEP) ROBERTSON, GARY L. Mechanisms and therapy of circulatory disease-Regulation of vasopressin (human, animals).

P01HL-06308-14 0028 (HEP) GRENSPAN, KALMAN. Mechanisms and therapy of circulatory disease-Electrophysiological alterations of cardiac tissue hypoxia (dogs).

P01HL-06308-14 0029 (HEP) ZIPES, DOUGLAS P. Mechanisms and therapy of circulatory disease-Mechanisms of arrhythmias (human, dogs).

P01HL-06308-14 0030 (HEP) ARMSTRONG, WILLIAM M. Mechanisms and therapy of circulatory disease-Relation of ionic movements, electrical and mechanical activity of muscle (frogs).

P01HL-06308-14 0035 (HEP) MCHENRY, PAUL. Mechanisms and therapy of circulatory disease-Exercise testing and ECG in diagnosis and evaluation of coronary patients.

P01HL-06312-13 (HEP) WILLMAN, VALLEE L, ST LOUIS UNIVERSITY, 1325 SOUTH GRAND BLVD, ST LOUIS, MO. Surgical cardiology.

P01HL-06312-13 0013 (HEP) KAISER, GEORGE C. Surgical cardiology-Aortocoronary vein bypass grafting (human).

P01HL-06312-13 0014 (HEP) KAISER, GEORGE C. Surgical cardiology-Enzyme patterns following cardiac surgery (human).

P01HL-06312-13 0015 (HEP) BARNER, HENDRICK B. Surgical cardiology-Internal mammary artery versus autogenous vein for coronary artery bypass (human).

P01HL-06312-13 0016 (HEP) BARNER, HENDRICK B. Surgical cardiology-Effect of hydralazine on infarct size following coronary occlusion (dogs).

P01HL-06312-13 0017 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac transplantation (human).

P01HL-06312-13 0018 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac transplantation-Experimental simultaneous kidney transplantation (calves).

P01HL-06312-13 0019 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac transplantation-Excision recipient storage and reimplantation (dogs).

P01HL-06312-13 0020 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac transplantation-Biopsy correlates of rejection.

P01HL-06312-13 0021 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac transplantation-Effect of immunosuppression on atherogenesis (monkeys).

P01HL-06312-13 0022 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac transplantation-Experimental simultaneous kidney transplantation (dogs).

P01HL-06312-13 0023 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac innervation-Effect of denervation on atherosclerosis (animals).

P01HL-06312-13 0024 (HEP) WHITING, RICHARD B. Surgical cardiology-Cardiac denervation-Effect of digitalized heart to electric discharge (dogs).

P01HL-06312-13 0025 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Effect of denervation on arrhythmias and function with coronary occlusion (dogs).

P01HL-06312-13 0026 (HEP) MURPHY, MICHAEL. Surgical cardiology-Patterns of cardiac denervation (dogs).

P01HL-06312-13 0027 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Regional blockade to attain temporary cardiac denervation (dogs).

P01HL-06312-13 0028 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Coronary flow in the transplanted denervated heart (dogs).

P01HL-06312-13 0029 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Cardiac lymphatics in the transplanted heart (dogs).

P01HL-06312-13 0030 (HEP) PIETRAPITTA, . Surgical cardiology-Total artificial heart (ponies).

P01HL-06312-13 0031 (HEP) PIETRAPITTA, . Surgical cardiology-Multipurpose ventricular assist (calves).

P01HL-06312-13 0032 (HEP) JELLINEK, MAX. Surgical cardiology-Preservation of the heart by perfusion (dogs).

P01HL-06312-13 0033 (HEP) MENZ, LEO. Surgical cardiology-Organ preservation-Cryopreservation (dogs, rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01HL-06312-13 0034 (HEP) JELLINEK, MAX. Surgical cardiology-Metabolic factors in cardiac function-Creatine phosphate depletion (dog).

P01HL-06312-13 0035 (HEP) CODD, JOHN E. Surgical cardiology-Distribution of coronary flow (dogs).

P01HL-06312-13 0036 (HEP) WILLMAN, VALLEE L. Surgical cardiology-Experimental studies of cardiac compliance (dogs).

P01HL-06312-13 0037 (HEP) HAHN, JOHN W. Surgical cardiology-Isoproterenol tachyphylaxis (dogs).

P01HL-06312-13 0038 (HEP) HAHN, JOHN W. Surgical cardiology-Induction of specific transplantation tolerance (dogs).

P01HL-06314-14 (HEP) VERNIER, ROBERT L, UNIVERSITY OF MINNESOTA, BOX 491 MAYO HOSPITAL, MINNEAPOLIS, MINN. Immunologic mechanisms in cardiovascular disease.

P01HL-06314-14 0046 (HEP) HOLMES, BEULAH. Immunologic mechanisms in cardiovascular disease-Mediators of immune injury (human, animals).

P01HL-06314-14 0047 (HEP) WHITE JAMES. Immunologic mechanisms in cardiovascular disease-Intravascular coagulation (human).

P01HL-06314-14 0048 (HEP) VERNIER, ROBERT L. Immunologic mechanisms in cardiovascular disease-Pathogenesis of disease.

P01HL-06314-14 0049 (HEP) NAJARAB, JOHN. Immunologic mechanisms in cardiovascular disease-Transplantation.

P01HL-06336-14 (HEP) RAHIMTOOLA, SHAHBUDIN H, UNIVERSITY OF OREGON MED SCH, 3181 SW SAM JACKSON PK RD, PORTLAND, OREG. Cardiovascular program project.

P01HL-06336-14 0003 (HEP) NERL, WILLIAM A. Cardiovascular program project-Influence of cold exposure on coronary dynamics.

P01HL-06336-14 0007 (HEP) KLOSTER, FRANK E. Cardiovascular program project-Abnormalities of myocardial contractility in coronary heart disease (human).

P01HL-06336-14 0011 (HEP) BRISTOW, J DAVID. Cardiovascular program project-Cardiovascular regulation in myocardial infarction (human).

P01HL-06336-14 0022 (HEP) KASSERAUM, DONALD G. Cardiovascular program project-Physiological and clinical results of coronary arterial surgery (human).

P01HL-06336-14 0023 (HEP) ANDERSON, RICHARD P. Cardiovascular program project-Intraoperative studies of aortocoronary vein bypass surgery (human).

P01HL-06336-14 0024 (HEP) MALINOW, M RENE. Cardiovascular program project-Effects of changes of risk factors on evolution of coronary disease (human).

P01HL-06336-14 0025 (HEP) KASSERAUM, DONALD G. Cardiovascular program project-Acute myocardial infarction (human).

P01HL-06336-14 0026 (HEP) SEAMAN, ARTHUR J. Cardiovascular program project-Coagulation studies in acute myocardial infarction (human).

P01HL-06336-14 0027 (HEP) BONCHECK, L. Cardiovascular program project-Prolonged pumping in myocardial infarction and cardiogenic shock (human, animals).

P01HL-06336-14 0028 (HEP) STARR, ALBERT. Cardiovascular program project-Revascularization surgery in acute myocardial infarction (human).

P01HL-06336-14 0029 (HEP) BRISTOW, J DAVID. Cardiovascular program project-Aortocoronary bypass surgery in angina (human).

P01HL-06336-14 0030 (HEP) BRISTOW, J DAVID. Cardiovascular program project-Aortocoronary bypass surgery for unstable angina (human).

P01HL-06336-14 0031 (HEP) ANDERSON, RICHARD P. Cardiovascular program project-Electrically induced fibrillation of heart during cardiopulmonary bypass (human).

P01HL-06336-14 0032 (HEP) BRISTOW, J DAVID. Cardiovascular program project-Coronary bypass grafting combined with heart valve replacement.

P01HL-06336-14 0033 (HEP) ANDERSON, RICHARD P. Cardiovascular program project-Intra-operative measurement of coronary vein bypass graft blood flow (human).

P01HL-06336-14 0034 (HEP) BRISTOW, J DAVID. Cardiovascular program project-Coronary arteriography in patients with valvular heart disease.

P01HL-06336-14 0035 (HEP) BRISTOW, J DAVID. Cardiovascular program project-Occlusion of saphenous vein bypass grafts (human).

P01HL-06336-14 0036 (HEP) HINNEN, M. Cardiovascular program project-Isoproterenol and ventricular function in coronary artery disease (human).

P01HL-06336-14 0037 (HEP) RAHIMTOOLA, SHAHBUDIN H. Cardiovascular program project-Ventricular wall motion (human).

P01HL-06336-14 0038 (HEP) RAHIMTOOLA, SHAHBUDIN H. Cardiovascular program project-Ventricular performance on successive days (human).

P01HL-06336-14 0039 (HEP) RAHIMTOOLA, SHAHBUDIN H. Cardiovascular program project-A simple method for calculating Vmax.

P01HL-06336-14 0040 (HEP) MALINOW, M RENE. Cardiovascular program project-Progression of coronary stenosis to occlusion after vein bypass (human).

P01HL-06336-14 0041 (HEP) ROSCH, JOSEF. Cardiovascular program project-Coronary arteriography (human).

P01HL-06336-14 0042 (HEP) ROSCH, JOSEF. Cardiovascular program project-Accuracy of angiographic appraisal of vessel suitability (human).

P01HL-06336-14 0043 (HEP) HAWN, J. Cardiovascular program project-Forearm blood flow and venous tone in myocardial infarction (human).

P01HL-06336-14 0044 (HEP) KASSERAUM, DONALD G. Cardiovascular program project-ECG evidence of bilateral bundle branch disease (human).

P01HL-06336-14 0045 (HEP) ANDERSON, RICHARD P. Cardiovascular program project-Electrical fibrillation, myocardial metabolism and blood flow (dogs).

P01HL-06336-14 0046 (HEP) ANDERSON, RICHARD P. Cardiovascular program project-Direct measurement of ventricular compliance (dogs).

P01HL-06336-14 0047 (HEP) ANDERSON, RICHARD P. Cardiovascular program project-Continuous monitoring of ventricular performance.

P01HL-06336-14 0048 (HEP) ROSCH, JOSEF. Cardiovascular program project-Coronary artery disease and selective coronary angiography.

P01HL-06336-14 0049 (HEP) ROSCH, JOSEF. Cardiovascular program project-Factors in aortocoronary bypass graft occlusions (human).

P01HL-06336-14 0050 (HEP) ROSCH, JOSEF. Cardiovascular program project-Longitudinal study of coronary disease (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01HL-06336-14 0051 (HEP) RAHMTOOLA, SHAHBUDIN H. Cardiovascular program project-Effects of ouabain, nitroglycerin and postoperative studies (human).	P01HL-06374-14 0012 (HEP) SHERWOOD, WILLIAM C. Expansion of research in a hematologic center-Proteins of gastric juice and enzyme induction in erythroid cell (human).
P01HL-06349-13 (HEP) THOMAS, JOHN, MEHARRY MEDICAL COLLEGE, 1005 18TH AVENUE NORTH, NASHVILLE, TENN. Cardiovascular disease clinical program project.	P01HL-06374-14 0013 (HEP) TURNER, DANIEL. Expansion of research in a hematologic center-Action of phospholipids in blood coagulation (dogs, cattle).
P01HL-06349-13 0006 (HEP) THOMAS JOHN. Cardiovascular disease clinical program project-Hypertension in the black community and the influence of sodium.	R01HL-06400-13 (BIO) HILL, ROBERT L, DUKE UNIVERSITY, DEPT OF BIOCHEMISTRY, DURHAM, N C. Structure and function of proteins (cattle, swine, chicks, bacteria, human).
P01HL-06349-13 0007 (HEP) THOMAS, JOHN. Cardiovascular disease clinical program project-Follow up of 1000 physicians and nurses.	R01HL-06481-12 (MET) KAYDEN, HERBERT J, NEW YORK UNIVERSITY SCH OF MED, 550 FIRST AVENUE, NEW YORK, N Y. Lipid metabolism (human, rats).
P01HL-06349-13 0008 (HEP) THOMAS, JOHN. Cardiovascular disease clinical program project-Angiotensin and renin secretion in prehypertensive adolescents.	R01HL-06588-13 (CVA) SMITH, JAMES J, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Reticuloendothelial system and the mechanism of shock (dogs).
P01HL-06349-13 0009 (HEP) GARNER, MABLE T. Cardiovascular disease clinical program project-Ultrastructure of pulmonary alveolar septal cells in hypertension (rats).	R01HL-06642-11 (PHRA) DOMERTY, JAMES E, 3D, VA HOSPITAL, 300 E ROOSEVELT RD, LITTLE ROCK, ARK. Tritiated digoxin (human, rabbits, dogs).
P01HL-06349-13 0010 (HEP) GARNER, MABLE T. Cardiovascular disease clinical program project-Abnormal hemoglobin states and cardiovascular disorders (human).	P01HL-04664-13 (HEP) LEAF, ALEXANDER, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Cardiopulmonary function in remediable vascular disease.
P01HL-06349-13 0011 (HEP) PROCTOR, CHARLES D. Cardiovascular disease clinical program project-Pharmacodynamics-Behavioral response to adrenergic amines (rats, mice).	P01HL-06664-13 0010 (HEP) LEAF, ALEXANDER. Cardiopulmonary function in remediable vascular disease-Management of acute ischemia by reduction of cell swelling (human, dogs, rats).
P01HL-06349-13 0012 (HEP) BURGESS, LANDRY E. Cardiovascular disease clinical program project-Controlled activity versus sedentary existence in hypertension (rats).	P01HL-06664-13 0011 (HEP) LEAF, ALEXANDER. Cardiopulmonary function in remediable vascular disease-Regulation of cell volume and composition.
P01HL-06349-13 0013 (HEP) THOMAS, JOHN. Cardiovascular disease clinical program project-Rehabilitation of the hypertensive patient.	P01HL-06664-13 0012 (HEP) MUNDTH, ELDRED D. Cardiopulmonary function in remediable vascular disease-Myocardial revascularization-Effect on left ventricular function (dogs).
P01HL-06350-13 (HEP) GRAHAM, JOHN B, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Hemostasis research program project.	P01HL-04664-13 0013 (HEP) MUNDTH, ELDRED D. Cardiopulmonary function in remediable vascular disease-Heart revascularization-Effect of infarctectomy on ventricular function (dogs).
P01HL-06350-13 0005 (HEP) WAGNER, ROBERT H. Hemostasis research program project-Antihemophilic factor of plasma (human, dogs, pigs).	P01HL-04664-13 0014 (HEP) MUNDTH, ELDRED D. Cardiopulmonary function in remediable vascular disease-Heart revascularization-Development of new techniques (dogs).
P01HL-06350-13 0007 (HEP) SHERMER, R H. Hemostasis research program project-Platelet function (human).	P01HL-06664-13 0015 (HEP) GOLD, HERMAN K. Cardiopulmonary function in remediable vascular disease-Direct artery surgery-Serial exercise testing (human).
P01HL-06350-13 0014 (HEP) BARROW, E M. Hemostasis research program project-Biochemical genetic studies of hemophilia (dogs).	P01HL-06664-13 0016 (HEP) DINSMORE, ROBERT E. Cardiopulmonary function in remediable vascular disease-Direct coronary artery surgery-Development of a non-invasive technique (human).
P01HL-06350-13 0015 (HEP) GRAHAM, JOHN B. Hemostasis research program project-Formal genetics of hemostasis (human).	P01HL-06664-13 0017 (HEP) DINSMORE, ROBERT E. Cardiopulmonary function in remediable vascular disease-Direct coronary artery surgery-Scintigraphy (human).
P01HL-06350-13 0016 (HEP) GRAHAM, JOHN B. Hemostasis research program project-Medical genetics not concerned with hemostasis (dogs).	P01HL-06664-13 0018 (HEP) POWELL, W J. Cardiopulmonary function in remediable vascular disease-Coronary arterial outflow resistance-Effect of nitroglycerine, papaverine.
P01HL-06350-13 0017 (HEP) GRAHAM, JOHN B. Hemostasis research program project-Population genetics and population dynamics (human).	P01HL-04664-13 0019 (HEP) MUNDTH, ELDRED D. Cardiopulmonary function in remediable vascular disease-Coronary arterial endarterectomy combined with vein bypass graft procedure (human).
P01HL-06350-13 0018 (HEP) ROBERTS, H R. Hemostasis research program project-Variants of the coagulation factors (human).	P01HL-04664-13 0020 (HEP) MUNDTH, ELDRED D. Cardiopulmonary function in remediable vascular disease-Emergency coronary revascularization for cardiogenic shock (human).
P01HL-06350-13 0019 (HEP) DALLDORF, F G. Hemostasis research program project-Microcirculation.	P01HL-04664-13 0021 (HEP) HABER, EDGAR. Cardiopulmonary function in remediable vascular disease-Cardiac glycoside binding to normal ischemic myocardium (human, animal).
P01HL-06350-13 0020 (HEP) MCDONAGH, R P. Hemostasis research program project-Structure and function of coagulant venom proteases.	P01HL-04664-13 0022 (HEP) DAGGETT, WILLARD M. Cardiopulmonary function in remediable vascular disease-Effects of myocardial ischemia on control systems in cardiac function (dogs).
P01HL-06350-13 0021 (HEP) MCMILLAN, C W. Hemostasis research program project-Factor VIII inhibitors.	P01HL-04664-13 0023 (HEP) DAGGETT, WILLARD M. Cardiopulmonary function in remediable vascular disease-Adrenergic effects on cardiac function during physiologic stress (dogs).
P01HL-06350-13 0022 (HEP) LANGDELL, R D. Hemostasis research program project-Clinical testing of coagulants and comparative hemostasis (human, crabs).	P01HL-06664-13 0024 (HEP) DAGGETT, WILLARD M. Cardiopulmonary function in remediable vascular disease-Ventricular function during cardiac pacing (dogs).
P01HL-06350-13 0023 (HEP) BRINKHOUS, K M. Hemostasis research program project-Animal hemophilias.	P01HL-04664-13 0025 (HEP) KAZEMI, HOMAYOUN. Cardiopulmonary function in remediable vascular disease-Pulmonary blood flow, ventilation and lung function (human).
P01HL-06370-13 (HEP) DAMMIN, GUSTAVE J, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Cardiopulmonary and renal pathology research center.	P01HL-06664-13 0026 (HEP) COGGINS, CECIL H. Cardiopulmonary function in remediable vascular disease-Plasma oncotic pressure in the treatment of pulmonary edema (human).
P01HL-06370-13 0001 (HEP) DAMMIN, GUSTAVE J. Cardiopulmonary and renal pathology research center-Renal disease and renal allograft rejection (human, monkeys).	P01HL-06664-13 0027 (HEP) KAZEMI, HOMAYOUN. Cardiopulmonary function in remediable vascular disease-Factors controlling pulmonary perfusion in the reimplanted lung (dogs).
P01HL-06370-13 0004 (HEP) POLET, HERMAN. Cardiopulmonary and renal pathology research center-Lymphocytes in graft rejection and immune surveillance (human).	P01HL-06664-13 0028 (HEP) KAZEMI, HOMAYOUN. Cardiopulmonary function in remediable vascular disease-Management of patients with respiratory distress syndrome (human, lambs).
P01HL-06370-13 0006 (HEP) REYNOLDS, EDWARD S. Cardiopulmonary and renal pathology research center-Chemical basis of ultrastructural changes in disease (rats).	P01HL-06664-13 0029 (HEP) KAZEMI, HOMAYOUN. Cardiopulmonary function in remediable vascular disease-Central chemical control of respiration (dogs).
P01HL-06370-13 0013 (HEP) DAMMIN, GUSTAVE J. Cardiopulmonary and renal pathology research center-Cardiopulmonary, vascular and renal disease in man.	P01HL-04664-13 0030 (HEP) KOCH-WESER, JAN. Cardiopulmonary function in remediable vascular disease-Inotropic actions of antiarrhythmic drugs and drug combinations (mice, cats).
P01HL-06374-14 (HEP) ERSLEY, ALLAN J, CARDEZA FDN/HEMATOLOGIC RES, 1015 SANSOM STREET, PHILADELPHIA, PA. Expansion of research in a hematologic center.	P01HL-06664-13 0031 (HEP) ABBOTT, WILLIAM M. Cardiopulmonary function in remediable vascular disease-Tissue transplantation and preservation techniques in vascular surgery (rat, dog).
P01HL-06374-14 0001 (HEP) ATWATER, JEAN. Expansion of research in a hematologic center-Abnormal hemoglobins (human).	P01HL-06664-13 0032 (HEP) LEAF, ALEXANDER. Cardiopulmonary function in remediable vascular disease-Hormonal control of salt and water in cardiovascular disease (tsads).
P01HL-06374-14 0002 (HEP) BURKA EDWARD. Expansion of research in a hematologic center-Erythroid differentiation and protein synthesis (mice, cattle).	P01HL-06664-13 0033 (HEP) COGGINS, CECIL H. Cardiopulmonary function in remediable vascular disease-Antidiuretic hormone in clinical disturbances of water balance (human).
P01HL-06374-14 0003 (HEP) ERSLEY, ALLAN J. Expansion of research in a hematologic center-Control of red cell production (mice).	R01HL-06736-14 (CVB) BAEZ, SILVIO, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Biogenic-mechanical factors in microcirculation (rats, dogs).
P01HL-06374-14 0004 (HEP) FRIEDMAN, MICHAEL P. Expansion of research in a hematologic center-Biochemistry of leukemic transformation (human).	R01HL-06787-12 (HEM) BENESCH, REINHOLD, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Aging of hemoglobin in the erythrocyte (human).
P01HL-06374-14 0005 (HEP) GABUZDA, THOMAS G. Expansion of research in a hematologic center-Hemoglobin synthesis in differentiating erythroid cells (human).	P01HL-06835-14 (HEP) BUMPUS, F MERLIN, CLEVELAND CLINIC FOUNDATION, 2020 EAST 93RD ST, CLEVELAND, OHIO. Cardiovascular disease.
P01HL-06374-14 0006 (HEP) HAURANI, FARID I. Expansion of research in a hematologic center-Relationship of reticuloendothelial system to erythropoiesis (human, mice).	
P01HL-06374-14 0007 (HEP) HOLBURN, RUTH R. Expansion of research in a hematologic center-Phospholipids in hemostasis (dogs).	
P01HL-06374-14 0008 (HEP) KAZAL, LOUIS A. Expansion of research in a hematologic center-Erythropoietin inhibitor, cannula and effects carbon monoxide (animal, human).	
P01HL-06374-14 0009 (HEP) MARTINEZ, JOSE. Expansion of research in a hematologic center-Study of prothrombin, fibrinogen and IgG (human).	
P01HL-06374-14 0010 (HEP) SCHWARTZ, BLAS. Expansion of research in a hematologic center-Hemoglobin in blood disorders (human).	
P01HL-06374-14 0011 (HEP) SHAPIRO, SANDORS. Expansion of research in a hematologic center-Blood coagulation (human).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- PO1HL-06835-13 0001 (HEP) DUSTAN, H P. Cardiovascular disease—Mechanisms of hypertension (human, dogs).
- PO1HL-06835-13 0002 (HEP) BUMPUS F M. Cardiovascular disease—Renin-angiotensin system (human, mammals).
- PO1HL-06835-13 0003 (HEP) MASSON, GEORGE M. Cardiovascular disease—Factors regulating angiotensin levels in plasma (rats).
- PO1HL-06835-13 0005 (HEP) SHAINOFF JOHN R. Cardiovascular disease—Thrombosis and arteriosclerosis.
- PO1HL-06835-13 0003 (HEP) BUTKUS A. Cardiovascular disease—Atherosclerosis (human, dogs, rats, rabbits).
- PO1HL-06835-13 0007 (HEP) FERREARO, C M. Cardiovascular disease—Mechanisms of experimental renal hypertension.
- PO1HL-06835-13 0008 (HEP) MASSON, GEORGES, M C. Cardiovascular disease—Factors regulating formation of renin substrate (rats).
- RO1HL-06924-12 (MET) RABEN, MAURICE S, NEW ENGLAND MEDICAL CTR HOSPS, 171 HARRISON AVENUE, BOSTON, MASS. Humoral and metabolic aspects of cardiac function (rats, human).
- RO1HL-06943-12 (PTHA) BRUNSON, JOEL G, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Vascular permeability (rodents).
- PO1HL-06945-13 (HEP) BRADY, JOSEPH V, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Psychogenic factors in cardiovascular functions.
- PO1HL-06945-13 0001 (HEP) ERLUICH, WALTER. Psychogenic factors in cardiovascular functions—Environmental and behavioral influences on coronary function (dogs).
- PO1HL-06945-13 0002 (HEP) BRADY JOSEPH V. Psychogenic factors in cardiovascular functions—Cardiovascular responses to behavioral stress (baboons, dogs).
- PO1HL-06945-13 0003 (HEP) KRAUSMAN, D. Psychogenic factors in cardiovascular functions—Technological developments (dog).
- PO1HL-06945-13 0004 (HEP) RANDALL, D C. Psychogenic factors in cardiovascular functions—Environmental-behavioral influences on cardiac contractility (monkeys).
- PO1HL-06945-13 0005 (HEP) ANDERSON, D E. Psychogenic factors in cardiovascular functions—Cardiovascular adaptations to aversive behavioral conditioning (dogs).
- RO1HL-06950-13 (HEM) BARTLETT, GRANT R, LAB FOR COMPARATIVE BIOCHEM, 4620 SANTA FE STREET, SAN DIEGO, CALIF. Red cell metabolism (rats, rabbits).
- RO1HL-06975-13 (PTHB) BROWNE, ALEXANDER C, STATE UNIVERSITY OF NEW YORK, BOX U STATION B, BUFFALO, N Y. Pathogenesis of hypertension (rats, human).
- RO1HL-07028-12 (SOYB) STUCKEY, JACKSON H, DOWNSTATE MEDICAL CENTER, STATE UNIVERSITY OF NEW YORK, BROOKLYN, N Y. Surgical approach to acute coronary thrombosis (dogs).
- RO1HL-07047-13 (CVA) TRUDEX, RAYMOND C, TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA. Comparative study of cardiac conduction system (human, birds, mammals).
- RO1HL-07139-13 (CVB) LEVINE, HERBERT J, NEW ENGLAND MED CTR HOSPITALS, 171 HARRISON AVENUE, BOSTON, MASS. Cardiodynamics and metabolism of congestive failure (human, dogs).
- RO1HL-07181-12 (HEM) MENDEL, CHARLES E, UNIVERSITY OF MISSOURI MED CTR, DEPT OF MEDICINE, COLUMBIA, MO. Hemostasis (swine).
- PO1HL-07293-13 (SSS) RUSHMAER, ROBERT P, UNIVERSITY OF WASHINGTON, DIVISION OF BIOENGINEERING, SEATTLE, WAS. Cardiovascular instrumentation research and development.
- PO1HL-07293-13 0001 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Thermistor probe for sensing and mapping ultrasonic fields.
- PO1HL-07293-13 0002 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Ultrasonic scattering in tissue by Schlieren techniques.
- PO1HL-07293-13 0008 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Engineering evaluation of ultrasonic Doppler flowmeters (models).
- PO1HL-07293-13 0004 (SSS) SIGELMAN, RUBENS. Cardiovascular instrumentation research and development—Ultrasonic scattering in blood.
- PO1HL-07293-13 0003 (SSS) HARRIS, JAY. Cardiovascular instrumentation research and development—Mathematics of Doppler and flow velocity spectra.
- PO1HL-07293-13 0006 (SSS) STRANDNESS, D. EUGENE. Cardiovascular instrumentation research and development—Ultrasonic transmission through normal and diseased arteries (human).
- PO1HL-07293-13 0007 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Propagation of ultrasound in cardiovascular structures.
- PO1HL-07293-13 0008 (SSS) JORGENSEN, JENS. Cardiovascular instrumentation research and development—Calibration facility.
- PO1HL-07293-13 0009 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Transcutaneous blood pressure sensing (dogs).
- PO1HL-07293-13 0010 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Continuous wave ultrasonic Doppler.
- PO1HL-07293-13 0011 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Pulsed ultrasonic Doppler (human, dogs).
- PO1HL-07293-13 0012 (SSS) STRANDNESS, D. EUGENE. Cardiovascular instrumentation research and development—Evaluation of continuous flow ultrasonic Doppler flowmeters (human).
- PO1HL-07293-13 0013 (SSS) SPENCER, MERRILL P. Cardiovascular instrumentation research and development—Carotid artery disease detection (human).
- PO1HL-07293-13 0014 (SSS) BOR, EMRICH. Cardiovascular instrumentation research and development—Continuous wave and pulsed Dopplers in congenital defects (children).
- PO1HL-07293-13 0015 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Flow velocity profile displays.
- PO1HL-07293-13 0016 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Direction sensing pulse Doppler.
- PO1HL-07293-13 0017 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Ultrasonic phase track for arterial wall motion detection (human).
- PO1HL-07293-13 0018 (SSS) MILLER, CHARLES W. Cardiovascular instrumentation research and development—Arterial wall motion detection by phase lock technique (dogs, human).
- PO1HL-07293-13 0019 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Arterial pulse wave transmission.
- PO1HL-07293-13 0020 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Phase shift phase track displacement sensor evaluation (models, dogs, human).
- PO1HL-07293-13 0021 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Development of hydraulically actuated ultrasonic transducer positioners.
- PO1HL-07293-13 0022 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Blood vessel imaging.
- PO1HL-07293-13 0023 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Pulsed Doppler, pulsed phased track.
- PO1HL-07293-13 0024 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Recording heart dimensions (human).
- PO1HL-07293-13 0025 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Ultrasonic scanning for display of subcutaneous arteries (human).
- PO1HL-07293-13 0026 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Vessel scan moving target indication (models, dogs).
- PO1HL-07293-13 0027 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Geometry, echo coherency indication (models).
- PO1HL-07293-13 0028 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Synthetic aperture techniques (models).
- PO1HL-07293-13 0029 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Color display of ultrasonic data.
- PO1HL-07293-13 0030 (SSS) BARBER, FRANK. Cardiovascular instrumentation research and development—Quasi-3-D display of ultrasonic data.
- PO1HL-07293-13 0031 (SSS) JOHNSON, CURTIS. Cardiovascular instrumentation research and development—Development of catheter tip fiberoptic oximeter (mammals).
- PO1HL-07293-13 0032 (SSS) JOHNSON, CURTIS. Cardiovascular instrumentation research and development—Catheter tip pressure transducer.
- PO1HL-07293-13 0033 (SSS) JOHNSON, CURTIS. Cardiovascular instrumentation research and development—Optical Doppler flowmeters.
- PO1HL-07293-13 0034 (SSS) JOHNSON, CURTIS. Cardiovascular instrumentation research and development—Transilluminated light detection (infants).
- PO1HL-07293-13 0035 (SSS) JOHNSON, CURTIS. Cardiovascular instrumentation research and development—Multifunctional fiberoptic catheter.
- PO1HL-07293-13 0036 (SSS) JOHNSON, STEVEN L. Cardiovascular instrumentation research and development—Ultrasound clinical research laboratory.
- PO1HL-07293-13 0037 (SSS) BAKER, DONALD W. Cardiovascular instrumentation research and development—Animal evaluation and test facility (dogs).
- PO1HL-07293-13 0038 (SSS) JOHNSON, CURTIS. Cardiovascular instrumentation research and development—Optical instrumentation (human).
- PO1HL-07293-13 (HEP) CHORANIAN, ARAM V, BOSTON UNIVERSITY MED CTR, 15 STOUGHTON STREET, BOSTON, MASS. Hypertension, shock and circulatory failure.
- PO1HL-07293-13 0071 (HEP) MELBY, JAMES C. Hypertension, shock and circulatory failure—Mineralocorticoid hypertension (human, rats).
- PO1HL-07293-13 0072 (HEP) CHORANIAN, ARAM V. Hypertension, shock and circulatory failure—Neurogenic factors in blood pressure regulation (human).
- PO1HL-07293-13 0073 (HEP) HOOD, WILLIAM B. Hypertension, shock and circulatory failure—Influence of blood pressure upon function of ischemic ventricle (human, dogs).
- PO1HL-07293-13 0074 (HEP) LEVINSKY, NORMAN G. Hypertension, shock and circulatory failure—Renal function during circulatory insufficiency (human, dogs).
- PO1HL-07293-13 0075 (HEP) COFFMAN, JAY D. Hypertension, shock and circulatory failure—Peripheral circulatory abnormalities in hypertension (human).
- PO1HL-07293-13 0076 (HEP) BRECHER, PETER I. Hypertension, shock and circulatory failure—Renin-angiotensin system (human, rats).
- PO1HL-07293-13 0078 (HEP) MCCABE, WILLIAM R. Hypertension, shock and circulatory failure—Bacteremia and shock (human).
- RO1HL-07379-09 (HEM) BLOMBACK, E G BERGER, KAROLINSKA INSTITUTET, DEPT OF BLOOD COAGULATION RES, STOCKHOLM, S-104 01 SWEDEN. Structure of fibrinogen (human).
- RO1HL-07449-12 (SSS) BEUTLER, ERNEST, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Formation and survival of red blood cells.
- RO1HL-07449-12 0001 (SSS) BEUTLER, ERNEST. Formation and survival of red blood cells—Sickle cell anemia (human).
- RO1HL-07449-12 0002 (SSS) BEUTLER, ERNEST. Formation and survival of red blood cells—Red cell preservation in artificial media and in alkaline CDP (human, rabbits).
- RO1HL-07449-12 0003 (SSS) BEUTLER, ERNEST. Formation and survival of red blood cells—Red cell metabolism.
- RO1HL-07451-12 (HEM) BRIEHL, ROBIN W, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVE, BRONX, N Y. Structure and oxygen-combining function of hemoglobin (human).
- RO1HL-07502-10 (MCHB) BEAL, JACK L, OHIO STATE UNIVERSITY, 500 W 12TH AVENUE, COLUMBUS, OHIO. Phytochemistry of the genus thalictrum (dogs, plants).
- RO1HL-07542-12 (HEM) STOHLMAN, FREDERICK, JR, ST ELIZABETH'S HOSPITAL, 736 CAMBRIDGE STREET, BRIGHTON, MASS. Regulation of hemopoiesis (mice).
- RO1HL-07544-13 (PHRA) CALVERT, DEANE N, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Experimental shock (rats).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HL-07565-12 (HEM) RAPELSON, MAX E, JR, RUSH-PRESBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Biochemical characterization of platelet components (human).
- RO1HL-07575-11 (COM) SCHMUTT, OTTO H, UNIV OF MINNESOTA, ELECTRICAL ENGINEERING, MINNEAPOLIS, MINN. Analysis of time coherent cardiovascular data.
- RO1HL-07605-12 (CVA) LEV, MAURICE, COGENITAL HEART DIS RES & TRG, HEKTOEN INSTITUTE FOR MED RES, CHICAGO, ILL. Congenital heart disease research program (human).
- RO1HL-07652-12 (HEM) JANDL, JAMES H, BOSTON CITY HOSPITAL, THORNDIKE MEMORIAL LABORATORY, BOSTON, MASS. Destruction of red blood cells in hemolytic anemias (human, primates).
- RO1HL-07703-12 (SSS) LANCHANTIN, GERRARD F, CEDARS-SINAI MEDICAL CENTER, 4833 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Chemistry of human blood coagulation.
- RO1HL-07723-11 (PHY) ROTHE, CARL F, INDIANA UNIV SCH OF MEDICINE, 1100 W MICHIGAN ST, INDIANAPOLIS IND., Cardiac function and venous pressure control in shock (dogs).
- RO1HL-07746-11 (CVB) SCHER, ALLEN M, UNIV OF WASHINGTON SCH OF MED, DEPT OF PHYSIOLOGY & BIOPHYS, SEATTLE, WASH. Computer analysis of cardiovascular responses (human, baboons, dogs).
- RO1HL-07754-11 (CVA) ROWE, GEORGE G, CARDIOVASCULAR RESEARCH LAB, 1300 UNIVERSITY AVENUE, MADISON, WIS. Coronary circulation (human, dogs).
- PO1HL-07762-12 (HEP) PETERSON, LYSLE H, BOCKUS RESEARCH INSTITUTE, 19TH & LOMBARD STREETS, PHILADELPHIA, PA. Cardiovascular control by neural and chemical systems.
- PO1HL-07762-12 0001 (HEP) COX, R H. Cardiovascular control by neural and chemical systems—Experimental hemodynamics (dogs).
- PO1HL-07762-12 0002 (HEP) COX, R H. Cardiovascular control by neural and chemical systems—Arterial mechanical properties (dogs).
- PO1HL-07762-12 0003 (HEP) BAGSHAW, R J. Cardiovascular control by neural and chemical systems—Nervous control of the circulation (dogs).
- PO1HL-07762-12 0004 (HEP) KARREMAN, GEORGE. Cardiovascular control by neural and chemical systems—Modeling of the circulatory system.
- PO1HL-07762-12 0006 (HEP) FISCHER, GRACE M. Cardiovascular control by neural and chemical systems—Humoral and connective tissue properties (human, animals).
- RO1HL-07776-11 (CVA) LOWN, BERNARD, HARVARD SCHOOL, 665 HUNTINGTON AVENUE, BOSTON, MASS. Sudden death and cardiac arrhythmias (human, dogs).
- RO1HL-07796-12 (EDC) HINKLE, LAWRENCE E, JR, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Antecedents of clinical coronary heart disease (human).
- RO1HL-07835-13 (PTHA) HEPTINSTALL, ROBERT M, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Renal circulation and experimental hypertension (rats, rabbits).
- RO1HL-07878-12 (MET) ELLIOTT, WILLIAM M, ST LOUIS UNIV SCH OF MEDICINE, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Metabolism of neutral sterols (rats, carp).
- PO1HL-07896-13 (HEP) SALTZMAN, HERBERT A, DUKE UNIVERSITY, BOX 2904, DURHAM, N C. Environmental biomedical research program.
- PO1HL-07896-13 0001 (HEP) SALTZMAN, HERBERT A. Environmental biomedical research program—Heart and circulation (human, dogs).
- PO1HL-07896-13 0002 (HEP) SALTZMAN, HERBERT A. Environmental biomedical research program—Respiration (human, fish).
- PO1HL-07896-13 0005 (HEP) SIDBURY, JAMES B. Environmental biomedical research program—Pediatrics.
- PO1HL-07896-13 0008 (HEP) FARMER, J C. Environmental biomedical research program—Auditory physiology and hyperbaric oxygenation (human, animals).
- PO1HL-07896-13 0009 (HEP) HILLS, S A. Environmental biomedical research program—Decompression (human, rats, goats, fish).
- PO1HL-07896-13 0010 (HEP) HILLS, S A. Environmental biomedical research program—Orthopedics (dogs, human).
- PO1HL-07896-13 0012 (HEP) BLENKARN, G D. Environmental biomedical research program—Hyperoxia on oxyhemoglobin dissociation in man and on red cell diphosphoglycerate.
- PO1HL-07896-13 0013 (HEP) CARTER, REGINALD, D. Environmental biomedical research program—Response of pulmonary lymphatics to hyperbaric oxygen (dogs).
- PO1HL-07896-13 0014 (HEP) SALZANO, JOHN V. Environmental biomedical research program—Respiration and atmospheric pressure (mammals).
- PO1HL-07896-13 0015 (HEP) LINDEROTH, L S. Environmental biomedical research program—Heat and mass transfer at simulated depths breathing helium (human).
- PO1HL-07896-13 0016 (HEP) WOLFE, WALTER G. Environmental biomedical research program—Inspired pressures of oxygen upon clearance of tantalum from airway (human, dogs).
- PO1HL-07896-13 0017 (HEP) WOLBARSH, M. Environmental biomedical research program—Effects of reduced pressure and oxygen concentration on visual function in man.
- PO1HL-07896-13 0018 (HEP) HEYMAN, A. Environmental biomedical research program—Studies of senile dementia.
- PO1HL-07896-13 0019 (HEP) ANDERSON, B. Environmental biomedical research program—Hyperbaric oxygen and visual function in selected aged humans.
- PO1HL-07896-13 0020 (HEP) FAUNTLEROY, T. Environmental biomedical research program—Angina and exercise during exposure to hyperbaric oxygen (human).
- PO1HL-07896-13 0021 (HEP) KYLSTRA, JOHANNES A. Environmental biomedical research program—Pulmonary mechanics, liquid breathing and gas exchange (human).
- PO1HL-07896-13 0022 (HEP) HERRON, JERRY M. Environmental biomedical research program—Differences in inspired and expired nitrogen in man.
- PO1HL-07896-13 0023 (HEP) KEREM, DAN H. Environmental biomedical research program—Effects of hydrostatic pressure on ventilation (dogs).
- PO1HL-07896-13 0024 (HEP) GLOYER, JOHN N. Environmental biomedical research program—Gas exchange in man exposed to high oxygen tension.
- PO1HL-07896-13 0025 (HEP) HOLLAND, JOHN A. Environmental biomedical research program—Effects of helium on cardiovascular function (dogs).
- PO1HL-07896-13 0026 (HEP) SALTZMAN, HERBERT A. Environmental biomedical research program—Physiological mechanisms in performance of birds at simulated altitudes.
- PO1HL-07896-13 0027 (HEP) SALTZMAN, HERBERT A. Environmental biomedical research program—Decompression sickness in dogs.
- PO1HL-07896-13 0028 (HEP) HAREL, DAN. Environmental biomedical research program—Cerebral vascular responses to hyperbaric oxygenation (dogs).
- RO1HL-07906-12 (PHRA) SCHWARTZ, ARNOLD, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Ion transport in cardiac muscle (dogs, rodents, cattle).
- RO1HL-07939-13 (PHRA) SHIDEMAN, FREDERICK E, UNIVERSITY OF MINNESOTA, HEALTH SCIENCES CENTER, MINNEAPOLIS, MINN. Cardiovascular adrenergic transmission (rats, chick embryo).
- RO1HL-07984-12 (HEM) RAND, PETER W, MAINE MEDICAL CENTER, 22 BRAMHALL STREET, PORTLAND, MAINE. Rod cell factors in oxygen delivery (rabbits).
- RO1HL-08058-12 (PHRA) O'RENLY, ROBERT A, INST FOR MEDICAL RESEARCH, 751 SOUTH BASCOM AVENUE, SAN JOSE, CALIF. Metabolism of coumarin anticoagulant drugs in man (human, rats).
- RO1HL-08068-12 (CVA) FOX, IRWIN J, UNIVERSITY OF MINNESOTA, 424 MILLARD HALL, MINNEAPOLIS, MINN. Hypotension from polymers and hypertonic solutions (dogs).
- PO1HL-03195-12 (HEP) SNEEL, JAMES D, JR, VANDERBILT UNIVERSITY, B-3222 MEDICAL CENTER, NASHVILLE, TENN. Circulatory physiology.
- PO1HL-03195-12 0001 (HEP) HARRIS, THOMAS R. Circulatory physiology—Development of a theoretical basis of circulatory indicator-dilution curves.
- PO1HL-00195-12 0002 (HEP) HARRIS, THOMAS R. Circulatory physiology—Non-linearly reacting tracers in circulatory systems analysis.
- PO1HL-00195-12 0003 (HEP) HARRIS, THOMAS R. Circulatory physiology—Basic fluid mechanics experiments for circulatory indicator-dilution curve.
- PO1HL-08195-12 0006 (HEP) SNEEL, JAMES D. Circulatory physiology—Mechanism of pulmonary edema following endotoxemia (dogs).
- PO1HL-00195-12 0008 (HEP) SNEEL, JAMES D. Circulatory physiology—Genetic pulmonary emphysema (human).
- PO1HL-08195-12 0009 (HEP) CROFFORD, OSCAR B. Circulatory physiology—Carbohydrate and fat metabolism—Insulin-receptor interaction (rats).
- PO1HL-03195-12 0011 (HEP) NIBLETT, MARGARET S. Circulatory physiology—Effect of hormones on the phosphorylation of nuclear histones (human, rats).
- PO1HL-00195-12 0015 (HEP) NEWMAN, ELLIOTT V. Circulatory physiology—Definition of ischemia (dogs).
- PO1HL-00195-12 0017 (HEP) CROFFORD, OSCAR B. Circulatory physiology—Concentration of acetone in alveolar gas (human).
- PO1HL-03195-12 0018 (HEP) LILJENQUIST, JOHN E. Circulatory physiology—Metabolic effects of glucagon (human, rats).
- PO1HL-00195-12 0019 (HEP) ARNOLD, THOMAS G. Circulatory physiology—Theory and development.
- PO1HL-00195-12 0022 (HEP) HARRIS, THOMAS R. Circulatory physiology—System analysis of reactive hyperemia in coronary artery occlusion.
- PO1HL-00195-12 0023 (HEP) HARDMAN, JOEL. Circulatory physiology—Cyclic nucleotides in vascular tissues.
- PO1HL-00195-12 0024 (HEP) HARDMAN, JOEL. Circulatory physiology—Control of cyclic nucleotide levels in coronary arteries (swine).
- PO1HL-00195-12 0025 (HEP) HARDMAN, JOEL. Circulatory physiology—Control of cyclic nucleotide levels in rat duodenal deferens.
- PO1HL-03195-12 0026 (HEP) HARDMAN, JOEL. Circulatory physiology—Cyclic nucleotide phosphodiesterase activity in vascular tissue.
- PO1HL-08195-12 0027 (HEP) LACY, WILLIAM W. Circulatory physiology—Glucagon and insulin in amino acid metabolism (human, dogs).
- PO1HL-00203-12 (HEP) LEE, HYUNG MO, MEDICAL COLLEGE OF VIRGINIA, 1200 EAST BROAD STREET, RICHMOND, VA. Renal homotransplantation in man.
- PO1HL-08203-12 0001 (HEP) HUME, DAVID M. Renal homotransplantation in man—Clinical results of renal homotransplantation in man.
- PO1HL-03203-12 0002 (HEP) LOWER, RICHARD R. Renal homotransplantation in man—Cardiac transplantation (human, dogs).
- PO1HL-00203-12 0003 (HEP) WOLF, J S. Renal homotransplantation in man—Hepatic transplantation (human, dogs).
- PO1HL-03203-12 0004 (HEP) HUME, DAVID M. Renal homotransplantation in man—Regional organ procurement program (human).
- PO1HL-03203-12 0005 (HEP) STERLING, W A JR. Renal homotransplantation in man—Preservation of cadaver kidneys (human).
- PO1HL-00203-12 0019 (HEP) BRYANT, C P. Renal homotransplantation in man—Immunofluorescent antibody studies of renal allotransplants.
- PO1HL-00203-12 0025 (HEP) THOMAS, J. Renal homotransplantation in man—Anti-lymphocyte globulin and enhancement (human).
- PO1HL-08203-12 0026 (HEP) SEIBEL, H R. Renal homotransplantation in man—Electron microscopic studies (human).
- PO1HL-00203-12 0027 (HEP) NEWSOME, H M JR. Renal homotransplantation in man—Endocrine studies (human, chickens).
- PO1HL-03203-12 0028 (HEP) KAPLAN ALAN M. Renal homotransplantation in man—Complement independent, antibody mediated lymphocyte target cell cytotoxicity.
- PO1HL-00203-12 0029 (HEP) ABOUNA, G M. Renal homotransplantation in man—Long term canine kidney preservation.
- PO1HL-08203-12 0030 (HEP) PIERCE, J C. Renal homotransplantation in man—New kidney cell crossmatch test (human).
- PO1HL-08203-12 0031 (HEP) THOMAS, J. Renal homotransplantation in man—Prevention of hyperacute kidney rejection in dogs by splenectomy.
- PO1HL-03203-12 0032 (HEP) WOLF, J S. Renal homotransplantation in man—Experimental hepatic transplantation.
- PO1HL-03203-12 0033 (HEP) THOMAS, J. Renal homotransplantation in man—Immunologic studies (human, animals).
- PO1HL-00203-12 0034 (HEP) THOMAS, J. Renal homotransplantation in man—Cellular immunity and blocking antibody in renal transplantation (human).

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1HL-00203-12 0035 (HEP) HASEGAWA, A. Renal homotransplantation in man-Zhisticompatibility testing in beagles.
- PO1HL-08203-12 0036 (HEP) PIERCE, J C. Renal homotransplantation in man-Blood transfusion and renal allograft survival in the dog.
- PO1HL-00203-12 0037 (HEP) MENDEZ-PICON, G. Renal homotransplantation in man-Liver perfusion and liver support in patient.
- PO1HL-00203-12 0038 (HEP) KAPLAN, ALAN M. Renal homotransplantation in man-Immunologic parameters of bone marrow derived lymphocyte cytotoxicity (mice).
- PO1HL-08214-11 (HEP) SCHLENK, HERMANN, HORMEL INSTITUTE, 801 - 16TH AVE N E, AUSTIN, MINN. Chemical and biological properties of lipids.
- PO1HL-08214-11 0001 (HEP) LUNDBERG, WALTER O. Chemical and biological properties of lipids-Dietary lipids and tissue lipids (miniature swine).
- PO1HL-08214-11 0002 (HEP) LUNDBERG, WALTER O. Chemical and biological properties of lipids-Lipids and related components of blood, bile, other tissues (human, mammals).
- PO1HL-08214-11 0003 (HEP) LUNDBERG, WALTER O. Chemical and biological properties of lipids-Dietary lipids, lipids and blood coagulation (miniature swine).
- PO1HL-08214-11 0004 (HEP) SCHLENK, H. Chemical and biological properties of lipids-Lipids in microorganisms and plants (ginkgo, moss).
- PO1HL-08214-11 0005 (HEP) SCHLENK, H. Chemical and biological properties of lipids-Interconversion of lipids (fish).
- PO1HL-00214-11 0006 (HEP) HOLMANN, RALPH T. Chemical and biological properties of lipids-Analysis and properties of lipids (plants, human).
- PO1HL-08214-11 0007 (HEP) HOLMANN, RALPH T. Chemical and biological properties of lipids-Requirements of polyunsaturated acids (human).
- PO1HL-00214-11 0008 (HEP) HOLMANN, RALPH T. Chemical and biological properties of lipids-Enzyme studies of polyunsaturated acid metabolism (rats).
- PO1HL-08214-11 0009 (HEP) CHIPAULT, J R. Chemical and biological properties of lipids-The nature of fecal lipids (miniature swine).
- PO1HL-08214-11 0010 (HEP) CHIPAULT, J R. Chemical and biological properties of lipids-Infrared spectroscopy of lipids.
- PO1HL-08214-11 0011 (HEP) CHIPAULT, J R. Chemical and biological properties of lipids-High energy irradiation of lipids (rats, fish).
- PO1HL-00214-11 0012 (HEP) PRIVETT, O S. Chemical and biological properties of lipids-Lipids analysis methodology (mammals).
- PO1HL-08214-11 0013 (HEP) PRIVETT, O S. Chemical and biological properties of lipids-Biosynthesis of triglycerides (rats).
- PO1HL-08214-11 0014 (HEP) PRIVETT, O S. Chemical and biological properties of lipids-Isolation and properties of polyenoic acids.
- PO1HL-08214-11 0015 (HEP) PRIVETT, O S. Chemical and biological properties of lipids-Biological transformations and function of polyunsaturated fatty acids (rats).
- PO1HL-08214-11 0016 (HEP) PRIVETT, O S. Chemical and biological properties of lipids-Lipid synthesis by higher plants.
- PO1HL-03214-11 0017 (HEP) PRIVETT, O S. Chemical and biological properties of lipids-Methods for the preparation of highly purified lipids.
- PO1HL-08214-11 0021 (HEP) SCHMID, H H O. Chemical and biological properties of lipids-Clinical studies of lipid function (human, rats).
- PO1HL-08214-11 0023 (HEP) JENKIN, H M. Chemical and biological properties of lipids-Lipids, lipid metabolism in microorganisms and mammalian cells.
- PO1HL-08214-11 0025 (HEP) SCHMID, H H O. Chemical and biological properties of lipids-Biosynthesis and biological functions of plasmalogen.
- PO1HL-08214-11 0026 (HEP) BAUMANN, W J. Chemical and biological properties of lipids-Diol lipids (human, animals).
- PO1HL-08214-11 0027 (HEP) BAUMANN, W J. Chemical and biological properties of lipids-Biological functions diol lipids (swine, rats, plants).
- PO1HL-00214-11 0030 (HEP) STEARNS, E M. Chemical and biological properties of lipids-Biosynthesis of unusual fatty acids by plants and microorganisms.
- PO1HL-08214-11 0031 (HEP) CHIPAULT, J. Chemical and biological properties of lipids-Effect of dietary lipids on behavior and brain lipids (rats).
- PO1HL-08214-11 0032 (HEP) CHIPAULT, J R. Chemical and biological properties of lipids-Dietary fats on lipids of retina (mammals).
- PO1HL-08214-11 0033 (HEP) CHIPAULT, J R. Chemical and biological properties of lipids-Lipids of lens of triparanol treated rats.
- PO1HL-08214-11 0034 (HEP) CHIPAULT, J R. Chemical and biological properties of lipids-Factors affecting lipids of soybeans.
- PO1HL-08214-11 0035 (HEP) PRIVETT, O S. Chemical and biological properties of lipids-Toxicant action of ozone in mammalian tissues.
- PO1HL-08214-11 0036 (HEP) SCHMID, H H O. Chemical and biological properties of lipids-Lipid metabolism in normal and neoplastic tissues (mammals).
- PO1HL-03214-11 0037 (HEP) SCHMID, H H O. Chemical and biological properties of lipids-Phospholipid biosynthesis in developing brain (rats).
- PO1HL-08214-11 0038 (HEP) BAUMANN, W J. Chemical and biological properties of lipids-Unusual lipids in cancer tissues (mammals).
- RO1HL-03251-11 (PTHA) COTRAN, RAMZI S, MALLORY INSTITUTE OF PATHOLOGY, 784 MASSACHUSETTS AVENUE, BOSTON, MASS 02118. Pathophysiology of vascular injury.
- RO1HL-00251-11 0001 (PTHA) COTRAN, RAMZI, S. Pathophysiology of vascular injury-Endothelial regeneration (rats, rabbits).
- RO1HL-08251-11 0002 (PTHA) COTRAN, RAMZI, S. Pathophysiology of vascular injury-Vascular injury in arteries (rabbits).
- RO1HL-08251-11 0003 (PTHA) COTRAN, RAMZI, S. Pathophysiology of vascular injury-Glomerular and vascular permeability (mice, rats).
- RO1HL-00258-10 (CVB) BOWIE, WALTER C, TUSKEGEE INSTITUTE, SCH OF VETERINARY MEDICINE, TUSKEGEE INSTITUTE, ALA. Movement of the mitral valve (horses).
- RO1HL-08262-11 (AFV) GOLLNICK, PHILIP D, WASHINGTON STATE UNIVERSITY, PULLMAN, WASH. Fat and cholesterol metabolic adaptations to exercise (rats).
- RO1HL-08299-11 (BIO) KLOTZ, IRVING M, NORTHWESTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, EVANSTON, ILL. Molecular biology of hemerythrin and hemocyanin (invertebrates).
- RO1HL-08311-11 (PHRA) HARDMAN, HAROLD F, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Effects of drugs upon myocardial hypoxia (dogs, turtles).
- RO1HL-08325-10 (SGYB) CROSS, FREDERICK S, SAINT LUKE'S HOSPITAL, 11311 SHAKER BOULEVARD, CLEVELAND, OHIO. Evaluation of intracardiac prosthesis (human, dogs).
- RO1HL-08351-08 (BM) WOSTMANN, BERNARD S, UNIVERSITY OF NOTRE DAME, DEPT OF MICROBIOLOGY, NOTRE DAME, IND. Factor affecting germfree cholesterol metabolism (rats).
- RO1HL-08359-10 (PHRA) BEVAN, JOHN A, DEPARTMENT OF PHARMACOLOGY, SCHOOL OF MEDICINE UCLA, LOS ANGELES, CALIF. Morphopharmacology of vascular adrenergic transmission (rabbits, rats).
- RO1HL-08399-11 (ALY) DIES PREZ, ROGER M, VETERANS ADMINISTRATION HOSP, 1310 - 24TH AVENUE SOUTH, NASHVILLE, TENN. Platelet injury in injections and allergic diseases.
- RO1HL-08401-11 (HEM) MERTZ, EDWIN T, PURDUE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, LAFAYETTE, IND. Activation and chemical nature of plasminogen (human, sheep).
- RO1HL-03476-11 (PC) GOULD, R GORDON, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Binding of proteins to lipids and lipid hormones.
- RO1HL-08481-11 (SSS) MOORE, FELIX E, UNIVERSITY OF MICHIGAN, SCHOOL OF PUBLIC HEALTH, ANN ARBOR, MICH. Data pooling project-Coronary disease and risk factors (human).
- RO1HL-08506-11 (MET) REAVEN, GERALD M, STANFORD UNIVERSITY, STANFORD, CALIF. Lipemia-carbohydrate and glyceride metabolism (human, rats).
- RO1HL-08508-11 (CVB) HOFFMAN, BRIAN F, 630 WEST 168 STREET, NEW YORK, N Y. Cardiac conductivity and automaticity (dogs).
- RO1HL-08570-11 (PHRA) ZIMMERMAN, BEN G, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Pharmacologic and reflex influence on vascular tone (dogs, cats, rats).
- RO1HL-08630-10 (GEN) ALLEN, FRED H, JR, COMMUNITY BLOOD COUNCIL, 310 EAST 67TH STREET, NEW YORK, N Y. Genetic markers of human blood in chromosome mapping.
- RO1HL-08634-11 (PC) DEMPSEY, MARY E, UNIVERSITY OF MINNESOTA, BOX 68, MAYO BUILDING, MINNEAPOLIS, MINN. Enzymic cholesterol synthesis (rats, human).
- RO1HL-08659-11 (CYA) DOWNING, S EVANS, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Myocardial performance and metabolism in the newborn (sheep).
- RO1HL-03632-11 (HEP) BANDALL, WALTER C, LOYOLA UNIVERSITY, 2160 SOUTH FIRST AVE, MAYWOOD, ILL. Regulation of the cardiovascular system.
- RO1HL-00682-11 0001 (HEP) BANDALL, WALTER C. Regulation of the cardiovascular system-Regulation of the cardiodynamic mechanisms (human, animals).
- RO1HL-03632-11 0002 (HEP) PEISS, CLARENCE N. Regulation of the cardiovascular system-Central nervous system regulation of cardiopulmonary mechanisms (dogs, rats).
- RO1HL-08482-11 0005 (HEP) DOBRIN, PHILIP B. Regulation of the cardiovascular system-Mechanical properties of blood vessels (dogs).
- RO1HL-03682-11 0006 (HEP) DAWE, ALBERT R. Regulation of the cardiovascular system-Cardiovascular studies of mammalian hibernators (sciuromorpha, rats).
- RO1HL-03632-11 0007 (HEP) LAWTON, IRENE E. Regulation of the cardiovascular system-Neural and vascular feedbacks in endocrinology (rats).
- RO1HL-03632-11 0008 (HEP) WURSTER, ROBERT D. Regulation of the cardiovascular system-Spinal regulation of vasomotor and sudomotor outflows (human, dogs, cats).
- RO1HL-08482-11 0011 (HEP) BRYNJOLFSSON, GISSUR. Regulation of the cardiovascular system-Histochemical and ultrastructure study of innervated heart (human, dogs, rabbits).
- RO1HL-08482-11 0012 (HEP) FIKONS, JAMES P. Regulation of the cardiovascular system-Hepatic circulation and macrophage function during endotoxin shock (rats).
- RO1HL-08482-11 0013 (HEP) POLLOCK, GEORGE. Regulation of the cardiovascular system-Local regulation of blood flow (animals).
- RO1HL-03632-11 0014 (HEP) BRAVERMAN, BERTON. Regulation of the cardiovascular system-Cardiovascular mechanisms involved in renal hypertension (dogs).
- RO1HL-08696-10 (SGYB) SHUMWAY, NORMAN E, STANFORD UNIVERSITY, CARDIOVASCULAR SURGERY DIV, STANFORD, CALIF. Orthotopic heart transplantation.
- RO1HL-08696-10 0001 (SGYB) SHUMWAY, NORMAN E. Orthotopic heart transplantation-Immunological control-Cyclophosphamide and antithymocyte globulin (dogs).
- RO1HL-08696-10 0004 (SGYB) SHUMWAY, NORMAN E. Orthotopic heart transplantation-Chicken antibody study (dogs, rats).
- RO1HL-08696-10 0005 (SGYB) SHUMWAY, NORMAN E. Orthotopic heart transplantation-Application of an *in vitro* cell-mediated cytotoxicity assay (human).
- RO1HL-08696-10 0006 (SGYB) SHUMWAY, NORMAN E. Orthotopic heart transplantation-Adult thymectomy (dogs).
- RO1HL-08696-10 0008 (SGYB) SHUMWAY, NORMAN E. Orthotopic heart transplantation-Cardiac output during exercise in cardiac denervated and reinnervated dog.
- RO1HL-08696-10 0009 (SGYB) SHUMWAY, NORMAN E. Orthotopic heart transplantation-Action of chicken antilymphocytic globulin (rats, chickens rabbits).
- RO1HL-08727-10 (PC) SCANU, ANGELO M, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Nature and function of plasma lipoproteins (human, primates, rats).
- RO1HL-08729-11 (CYA) JENNINGS, ROBERT B, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVE, CHICAGO, ILL. Myocardial cell injury (dogs).
- RO1HL-08789-08 (CYA) SHARP, JOHN T, VETERANS ADMINISTRATION HOSP, P O BOX 7, HINES, ILL. Respiratory muscles and ventilatory mechanics in man.
- RO1HL-08798-10 (SRC) MARMORSTON, JESSIE, UNIVERSITY OF SOUTHERN CALIF, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-03805-10 (HEP) FREHMAN, ALFRED P, UNIVERSITY OF PENNSYLVANIA, 34TH & SPRUCE STS, PHILADELPHIA, PA. Cardiovascular and pulmonary performance.
- RO1HL-08805-10 0004 (HEP) LAHRI, S. Cardiovascular and pulmonary performance-Adaptation to hypoxia (human, animals).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PO1HL-08805-10 0005 (HEP) SZIDON, J P. Cardiovascular and pulmonary performance—Autonomic nervous control of the pulmonary circulation (dogs).
- PO1HL-08805-10 0006 (HEP) FISHMAN, ALFRED P. Cardiovascular and pulmonary performance—Adaptation of lungfish—Estivation and submersion.
- PO1HL-08805-10 0007 (HEP) NAIR, KAPPIARETH. Cardiovascular and pulmonary performance—Biochemical and cellular mechanisms of cardiac hypertrophy (hamsters).
- PO1HL-08805-10 0008 (HEP) FISHMAN, ALFRED P. Cardiovascular and pulmonary performance—Renal blood flow in experimental cardiogenic shock (dogs).
- PO1HL-08805-10 0009 (HEP) ROGERS, ROBERT M. Cardiovascular and pulmonary performance—Bronchopulmonary lavage (human).
- PO1HL-08805-10 0010 (HEP) WHEREAT, ARTHUR F. Cardiovascular and pulmonary performance—Energy metabolism in heart—Mechanisms of regulation (mammals).
- PO1HL-08805-10 0011 (HEP) KUO, PETER T. Cardiovascular and pulmonary performance—Hyperlipidemia and atherosclerosis (human, animals).
- PO1HL-08805-10 0012 (HEP) JOYNER, C R. Cardiovascular and pulmonary performance—Cardiopulmonary applications of ultrasound (human, dogs).
- PO1HL-08805-10 0018 (HEP) CHERNIACK, N S. Cardiovascular and pulmonary performance—Gas stores and ventilation in normal and obstructed breathing (goats, dogs, human).
- PO1HL-08805-10 0019 (HEP) EDELMAN, N H. Cardiovascular and pulmonary performance—Determinants of arterial chemoreceptor activity (human).
- PO1HL-08805-10 0020 (HEP) EDELMAN, N H. Cardiovascular and pulmonary performance—Ventilatory response to hypoxia with reflex control of circulation (human).
- PO1HL-08805-10 0021 (HEP) EDELMAN, N H. Cardiovascular and pulmonary performance—Chemical regulation of ventilation in patients with respiratory insufficiency.
- PO1HL-08805-10 0022 (HEP) EDELMAN, N H. Cardiovascular and pulmonary performance—Relationships between cerebral blood flow and regulation of ventilation in goats.
- PO1HL-08805-10 0023 (HEP) CHERNIACK, NEH S. Cardiovascular and pulmonary performance—Performance criteria of the ventilatory control (human).
- PO1HL-08805-10 0024 (HEP) SALDANA, M. Cardiovascular and pulmonary performance—Patterns of blood flow and vascular characteristics of the carotid body (cats).
- PO1HL-08805-10 0025 (HEP) PIETRA, GUISEPPE G. Cardiovascular and pulmonary performance—Pulmonary edema (dogs).
- PO1HL-08805-10 0026 (HEP) PIETRA, GUISEPPE G. Cardiovascular and pulmonary performance—Hypoxic pulmonary edema (rodents).
- PO1HL-08805-10 0027 (HEP) ROGERS, R M. Cardiovascular and pulmonary performance—Hypovolemia and hypotension in intermittent positive pressure breathing (human).
- PO1HL-08805-10 0028 (HEP) PEACHEY, I D. Cardiovascular and pulmonary performance—Ultrastructural pathology of experimental cardiomyopathy (hamsters).
- PO1HL-08805-10 0029 (HEP) OOLDREYER, BRUCE. Cardiovascular and pulmonary performance—Clinical electrophysiology and hemodynamics (dogs).
- PO1HL-08805-10 0030 (HEP) EDELMAN, N H. Cardiovascular and pulmonary performance—Brain energy metabolism limiting ventilatory response (goats).
- PO1HL-08805-10 0031 (HEP) EDELMAN, N H. Cardiovascular and pulmonary performance—Impairment of oxygen delivery on aerobic metabolism of brain and skeletal muscle.
- PO1HL-08805-10 0032 (HEP) EDELMAN, N H. Cardiovascular and pulmonary performance—Effect of anemia on ventilatory response to transient hypoxia (goats).
- PO1HL-08805-10 0033 (HEP) BAAN, JAN. Cardiovascular and pulmonary performance—Ballistocardiogram to assess myocardial contractile state in man.
- PO1HL-08805-10 0034 (HEP) BAAN, JAN. Cardiovascular and pulmonary performance—Hemodynamics during onset of ejection as indices of myocardial contractility (hum).
- PO1HL-08805-10 0035 (HEP) BAAN, JAN. Cardiovascular and pulmonary performance—Peak linear acceleration in peripheral vessel as index of myocardial contraction.
- PO1HL-08805-10 0036 (HEP) BAAN, JAN. Cardiovascular and pulmonary performance—Dynamic volume of left ventricle in dogs.
- PO1HL-08805-10 0037 (HEP) BAAN, JAN. Cardiovascular and pulmonary performance—Velocity recordings from catheter-tip velocity probe.
- RO1HL-08845-10 (CVB) WALLACE, ANDREW G, 3413 RUGBY ROAD, DURHAM, N C. Electrophysiology of the denervated heart (dogs, rabbits).
- PO1HL-08886-11 (HEP) LYNCH, PETER R, 3400 N BROAD STREET, PHILADELPHIA, PA. Radiology-physiology cardiovascular research.
- PO1HL-08886-11 0002 (HEP) GAULT, P R. Radiology-physiology cardiovascular research—Hypertrophied ventricular performance by cineradiography (dogs).
- PO1HL-08886-11 0004 (HEP) BONAKDARPOUR, AKBAR. Radiology-physiology cardiovascular research—Mesentery artery occlusion (dogs).
- PO1HL-08886-11 0013 (HEP) HECKMAN, JAMES L. Radiology-physiology cardiovascular research—Variations in aortic valve closure (dogs).
- PO1HL-08886-11 0014 (HEP) SOVAK, MILOS. Radiology-physiology cardiovascular research—Mitral valve movement and first heart sound (dogs).
- PO1HL-08886-11 0015 (HEP) WEINSTEIN D P. Radiology-physiology cardiovascular research—Ultrasonic detection of experimental arterial stenosis (dogs).
- PO1HL-08886-11 0016 (HEP) KOBANGY, A. Radiology-physiology cardiovascular research—Angiography and perfusion scanning in pulmonary microembolization (dogs).
- PO1HL-08886-11 0017 (HEP) BOVE, ALFRED A. Radiology-physiology cardiovascular research—Decompression sickness studies (dogs).
- PO1HL-08886-11 0020 (HEP) LYNCH, PETER R. Radiology-physiology cardiovascular research—Breath-holding time in air and underwater (human).
- PO1HL-08886-11 0032 (HEP) RUSY, B F. Radiology-physiology cardiovascular research—Effects of halothane and cyclopropane on ventricular volume (dogs).
- PO1HL-08886-11 0033 (HEP) SANTAMORE, W P. Radiology-physiology cardiovascular research—Regression equations and a study of flow in the carotid bulb (dogs).
- PO1HL-08886-11 0034 (HEP) OPPENHEIMER, MORTON J. Radiology-physiology cardiovascular research—Selective intercoronary infusions of contrast media (dogs).
- PO1HL-08886-11 0035 (HEP) FADALI, A M A. Radiology-physiology cardiovascular research—Mammary-coronary artery direct bypass without suture prosthesis or adhesive (dog).
- PO1HL-08886-11 0036 (HEP) KUNDEL, H L. Radiology-physiology cardiovascular research—Visual search patterns and experience with radiological images (human).
- PO1HL-08886-11 0037 (HEP) ZISKIN, M C. Radiology-physiology cardiovascular research—Contrast agents for diagnostic ultrasound.
- PO1HL-08886-11 0038 (HEP) REICHEL, F A. Radiology-physiology cardiovascular research—Portal blood flow determination by umbilico-portal cannulation (human).
- PO1HL-08886-11 0039 (HEP) RONAKDARPOUR, AKBAR. Radiology-physiology cardiovascular research—Serum enzyme changes following superior mesenteric arteriography (dogs).
- PO1HL-08886-11 0040 (HEP) O'GRADY, J F. Radiology-physiology cardiovascular research—Renal revascularization by splenic artery implantation (rats).
- PO1HL-08886-11 0041 (HEP) SANTAMORE, W P. Radiology-physiology cardiovascular research—Cineangiographic measure of left ventricular volume (dogs).
- PO1HL-08886-11 0042 (HEP) BOVE, ALFRED A. Radiology-physiology cardiovascular research—Cineradiography of ventricular dynamics during myocardial infarction (dogs).
- PO1HL-08886-11 0043 (HEP) RODGERS, K. Radiology-physiology cardiovascular research—Effects of apnea and face immersion on the cardiac cycle (human).
- PO1HL-08886-11 0044 (HEP) ZISKIN, M C. Radiology-physiology cardiovascular research—Safety of ophthalmologically applied ultrasound (rabbits).
- PO1HL-08886-11 0045 (HEP) LYNCH PETER R. Radiology-physiology cardiovascular research—Angiography of stagnant flow zones in the carotid circulation (dogs).
- PO1HL-08886-11 0046 (HEP) MOTTRAM, R F. Radiology-physiology cardiovascular research—Forearm angiography during isometric hand-grip contractions (human).
- PO1HL-08886-11 0047 (HEP) HECKMAN, J L. Radiology-physiology cardiovascular research—High speed cineradiography of the canine aortic valve.
- PO1HL-08886-11 0048 (HEP) BOVE, ALFRED A. Radiology-physiology cardiovascular research—Diving bradycardia as a factor in underwater blackout (human).
- PO1HL-08886-11 0049 (HEP) STEWART, G J. Radiology-physiology cardiovascular research—Scanning and transmission electron microscopic study of canine jugular veins.
- PO1HL-08886-11 0050 (HEP) STEWART, G J. Radiology-physiology cardiovascular research—Endothelial damage in jugular and femoral veins (dogs).
- PO1HL-08886-11 0051 (HEP) BURKE, E J. Radiology-physiology cardiovascular research—Underwater apneic bradycardia of rest and during exercise (human).
- PO1HL-08886-11 0052 (HEP) BOVE, ALFRED A. Radiology-physiology cardiovascular research—Evaluation of cardiac function from angiograms using myocardial models (dogs).
- PO1HL-08886-11 0053 (HEP) BONAKDARPOUR, AKBAR. Radiology-physiology cardiovascular research—Liver profile after umbilical portography (human).
- PO1HL-08886-11 0054 (HEP) BOVE, ALFRED A. Radiology-physiology cardiovascular research—Cardiac functional analysis using cineangiography (dogs).
- PO1HL-08886-11 0055 (HEP) ZISKIN, M C. Radiology-physiology cardiovascular research—Ultrasonic detection of emboli (human).
- PO1HL-08886-11 0056 (HEP) HECKMAN, JAMES L. Radiology-physiology cardiovascular research—Blood flow following radiocontrast droplets in three dimensions.
- PO1HL-08886-11 0057 (HEP) MERNE F. Radiology-physiology cardiovascular research—Changes in the upper airway morphology due to obstruction (dogs).
- PO1HL-08886-11 0058 (HEP) RITCHIE W G M. Radiology-physiology cardiovascular research—Simulated phlebography on venous endothelium (dogs).
- PO1HL-08886-11 0059 (HEP) RITCHIE, W G M. Radiology-physiology cardiovascular research—Vascular permeability changes induced by contrast media (rats).
- PO1HL-08886-11 0060 (HEP) MARTIN, I G. Radiology-physiology cardiovascular research—Exercise and high altitude acclimatization on muscle performance (rats).
- RO1HL-08888-10 (SRC) KLUMT, CHRISTIAN R, UNIVERSITY OF MARYLAND, 610 WEST LOMBARD STREET, BALTIMORE, MD. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-08889-10 (SRC) SCHOENBERGER, JAMES A, RUSH-PRESBYTERIAN ST LUKE'S, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-08891-10 (SRC) GALLUZZI, NICHOLAS J, US PUBLIC HLTH SERVICE HOSP. STATEN ISLAND, N Y. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-08892-10 (SRC) BERGE, KENNETH G, MAYO FOUNDATION, 200 FIRST ST SOUTHWEST, ROCHESTER, MINN. Cooperative study of drugs and coronary heart disease.
- RO1HL-08893-10 (BBCB) GUIDOTTI, GUIDO, HARVARD UNIVERSITY, 16 DIVINITY AVENUE, CAMBRIDGE, MASS. Interactions between biological macromolecules (human, rats).
- PO1HL-08899-10 (HEP) LAMBERTSEN, CHRISTIAN J, INST FOR ENVIRONMENTAL MED, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA. Oxygenation and oxygen effects in man.
- PO1HL-08899-10 0003 (HEP) HENDRICKS, P L. Oxygenation and oxygen effects in man—Inert gas exchange in the eye (human, dogs).
- PO1HL-08899-10 0006 (HEP) KNIGHT, C J. Oxygenation and oxygen effects in man—Effects of extreme pressures of inert gases in macaque monkey.

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- PO1HL-08899-10 0007 (HEP) NICHOLS, C. J. Oxygenation and oxygen effects in man—Effects of high oxygen pressures on visual function (human, animals).
- PO1HL-08899-10 0008 (HEP) PISHMAN, A. P. Oxygenation and oxygen effects in man—Hypoxia in regards to respiratory and brain circulatory control (goats).
- PO1HL-08899-10 0009 (HEP) WEST, J. W. Oxygenation and oxygen effects in man—High oxygen pressures upon myocardial efficiency (dogs).
- PO1HL-08899-10 0010 (HEP) MILLER, L. Oxygenation and oxygen effects in man—High oxygen pressure in septic shock (human).
- PO1HL-08899-10 0011 (HEP) BIANCHI, P. Oxygenation and oxygen effects in man—Calcium flux into central nervous system and CO₂ and nitrogen pressures (cats).
- PO1HL-08899-10 0012 (HEP) REIVICH, M. Oxygenation and oxygen effects in man—High oxygen for normal brain metabolism and circulation in man.
- PO1HL-08899-10 0013 (HEP) REIVICH, M. Oxygenation and oxygen effects in man—Oxygen and carbon dioxide effects upon human brain metabolism.
- PO1HL-08899-10 0014 (HEP) RILMAN, A. S. Oxygenation and oxygen effects in man—Cellular and renal responses to hypercapnia and hypocapnia (dogs).
- PO1HL-08899-10 0015 (HEP) DUBOIS, A. B. Oxygenation and oxygen effects in man—Respiratory adaptations to increases in breathing (human).
- PO1HL-08899-10 0016 (HEP) FIELD, J. Oxygenation and oxygen effects in man—Oxygen tolerance in man.
- PO1HL-08899-10 0017 (HEP) WRIGHT, W. B. Oxygenation and oxygen effects in man—Pulmonary tolerance (human, dogs).
- PO1HL-08899-10 0018 (HEP) LAMBERTSEN, CHRISTIAN J. Oxygenation and oxygen effects in man—Effects of respiratory gases at extreme pressures (human).
- PO1HL-08899-10 0019 (HEP) TAKANO, T. Oxygenation and oxygen effects in man—High oxygen pressure upon carotid chemoreceptor (cats).
- PO1HL-08899-10 0020 (HEP) LAMBERTSEN, CHRISTIAN J. Oxygenation and oxygen effects in man—Oxygen tolerance (human, rats, guinea pigs).
- PO1HL-08899-10 0021 (HEP) LAMBERTSEN, CHRISTIAN J. Oxygenation and oxygen effects in man—Renal oxygen toxicity (dogs).
- PO1HL-08899-10 0022 (HEP) HARNER, RICHARD M. Oxygenation and oxygen effects in man—Effects of inert gas and hydrostatic pressures on physiological functions.
- PO1HL-08899-10 0023 (HEP) LAHIRI, S. Oxygenation and oxygen effects in man—Hypoxia and hyperoxia in respiratory response in regards to PCO₂ (human).
- PO1HL-08899-10 0024 (HEP) GELFAND, R. Oxygenation and oxygen effects in man—Effects of oxygen pressures on physiological control systems (dogs, human).
- PO1HL-08899-10 0025 (HEP) PELLED, BENY. Oxygenation and oxygen effects in man—Physiological and toxic effects of oxygen on cardiopulmonary gas transport (dogs).
- PO1HL-08899-10 0026 (HEP) PROCKOP, LEON D. Oxygenation and oxygen effects in man—Physiological, toxic effects of oxygen on central nervous system (human, animals).
- PO1HL-08899-10 0027 (HEP) SENHOR, J. Oxygenation and oxygen effects in man—Effects of high oxygen pressures on ethanol metabolism (human).
- PO1HL-08899-10 0028 (HEP) FELD, J. Oxygenation and oxygen effects in man—Inert gas exchange, oxygen influences—organs and tissues (human, rabbits, dogs).
- PO1HL-08899-10 0029 (HEP) LAMBERTSEN, CHRISTIAN J. Oxygenation and oxygen effects in man—Isobaric gas counter diffusion phenomena (human, pigs).
- RO1HL-08929-10 (SGYB) SILVER, DONALD, DUKE UNIVERSITY MED CTR, BOX 3222, DURHAM, N. C. Surgical vascular disorders.
- RO1HL-08929-10 0001 (SGYB) SILVER, DONALD. Surgical vascular disorders—Detecting in vivo thromboses (human, dogs).
- RO1HL-08929-10 0003 (SGYB) SILVER, DONALD. Surgical vascular disorders—Restoration of vessel patency (dogs, human).
- RO1HL-08929-10 0008 (SGYB) SILVER, DONALD. Surgical vascular disorders—Immunohistochemistry of fibrinolytic activators (human, dogs).
- RO1HL-08929-10 0004 (SGYB) SILVER, DONALD. Surgical vascular disorders—Role of platelets in thrombosis (human, dogs).
- RO1HL-08929-10 0005 (SGYB) SILVER, DONALD. Surgical vascular disorders—Pulmonary embolism (dogs, human).
- RO1HL-08929-10 0006 (SGYB) SILVER, DONALD. Surgical vascular disorders—Management of lymphedema (human, dogs).
- PO1HL-08974-10 (HEP) STRONG, JACK P, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVE, NEW ORLEANS, LA. Natural and experimental atherosclerosis.
- PO1HL-08974-10 0001 (HEP) STARY, HERBERT C. Natural and experimental atherosclerosis—Coronary artery lesions and operability for stenotic coronary disease (human).
- PO1HL-08974-10 0002 (HEP) MCGARRY, PAUL A. Natural and experimental atherosclerosis—Geographical pathology of cerebral atherosclerosis (human).
- PO1HL-08974-10 0003 (HEP) MALCOM, GRAY R. Natural and experimental atherosclerosis—Lipids of atherosclerotic lesions (human).
- PO1HL-08974-10 0005 (HEP) OALMANN, MARGARET C. Natural and experimental atherosclerosis—Atherosclerosis, coronary heart disease and sudden death (human).
- PO1HL-08974-10 0006 (HEP) EGGEN, DOUGLAS A. Natural and experimental atherosclerosis—Responses of primates to atherogenic diet.
- PO1HL-08974-10 0007 (HEP) STRONG, JACK P. Natural and experimental atherosclerosis—Effects of cigarette smoking in baboons.
- PO1HL-08974-10 0008 (HEP) STARY, HERBERT C. Natural and experimental atherosclerosis—Normal aorta and early experimental atherosclerosis in primates.
- PO1HL-08974-10 0009 (HEP) STRONG, JACK P. Natural and experimental atherosclerosis—Early atherosclerosis by changes of diet in primates.
- PO1HL-08974-10 0010 (HEP) EGGEN, DOUGLAS A. Natural and experimental atherosclerosis—Cholesterol metabolism in primates.
- PO1HL-08974-10 0011 (HEP) STRONG, JACK P. Natural and experimental atherosclerosis—Geographic pathology and natural history of human atherosclerosis.
- PO1HL-08974-10 0012 (HEP) STRONG, JACK P. Natural and experimental atherosclerosis—Studies on material collected in the IAP (human).
- PO1HL-08974-10 0013 (HEP) RESTREPO, CARLOS. Natural and experimental atherosclerosis—Coronary circumference, atherosclerotic lesions and CHD (human).
- PO1HL-08974-10 0014 (HEP) GUZMAN, MIGUEL. Natural and experimental atherosclerosis—Measurement error in visual evaluation of lesions.
- PO1HL-08974-10 0015 (HEP) RODRIGUEZ, FELIX L. Natural and experimental atherosclerosis—Collaboration with Puerto Rico heart projects.
- PO1HL-08974-10 0016 (HEP) EGGEN, DOUGLAS A. Natural and experimental atherosclerosis—Comparison of atherosclerotic lesions by objective grading.
- PO1HL-08974-10 0017 (HEP) SOLBERG, LARS A. Natural and experimental atherosclerosis—Calcified atherosclerotic lesions in coronary heart disease (human).
- PO1HL-08974-10 0018 (HEP) TRACY, RICHARD E. Natural and experimental atherosclerosis—Renal disease and atherosclerosis (human).
- PO1HL-08974-10 0019 (HEP) RESTREPO, CARLOS. Natural and experimental atherosclerosis—Comparison of histology of fatty streaks in atherosclerosis (human).
- PO1HL-08974-10 0020 (HEP) STRONG, JACK L. Natural and experimental atherosclerosis—Cholesterol, fat and protein in atherosclerosis (baboons).
- PO1HL-08974-10 0021 (HEP) EGGEN, DOUGLAS A. Natural and experimental atherosclerosis—Age and the response to atherogenic diets (baboons).
- PO1HL-08974-10 0022 (HEP) STARY, HERBERT C. Natural and experimental atherosclerosis—Cell proliferation in intimal lesions following return to basal diet (monkeys).
- PO1HL-08974-10 0023 (HEP) EGGEN, DOUGLAS A. Natural and experimental atherosclerosis—Cholesterol metabolism and dietary hypercholesterolemia (monkeys).
- PO1HL-08974-10 0024 (HEP) EGGEN, DOUGLAS A. Natural and experimental atherosclerosis—Sterol degradation (baboons, monkeys).
- RO1HL-08977-10 (CVB) WAYLAND, HAROLD, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIF BOULEVARD, PASADENA, CALIF. Blood flow in small tubes and the microcirculation (cats, dogs).
- PO1HL-09011-11 (HEP) KELLNER, AARON, NEW YORK BLOOD CENTER, 310 EAST 67TH STREET, NEW YORK, N. Y. A research and resource program in blood.
- PO1HL-09011-11 0001 (HEP) ALLEN, FRED H. A research and resource program in blood—Serology and genetics (human).
- PO1HL-09011-11 0002 (HEP) WOODS, KENNETH R. A research and resource program in blood—Plasma proteins (human, rabbits, primates, cattle, birds).
- PO1HL-09011-11 0003 (HEP) GOLDSTEIN, JACK. A research and resource program in blood—Nucleic acids (rabbits, E. coli).
- PO1HL-09011-11 0004 (HEP) ROWE, ARTHUR W. A research and resource program in blood—Cryobiology (human, primates).
- PO1HL-09011-11 0005 (HEP) PRINCE, ALFRED M. A research and resource program in blood—Virology (human, rats, insects, chimpanzees).
- PO1HL-09011-11 0007 (HEP) ALEXANDER, BENJAMIN. A research and resource program in blood—Coagulation (human).
- PO1HL-09011-11 0009 (HEP) POGO, A. O. A research and resource program in blood—Cell biology (rats, yeast).
- PO1HL-09011-11 0010 (HEP) GERMAN, JAMES. A research and resource program in blood—Human genetics and cytogenetics (rodents).
- PO1HL-09011-11 0011 (HEP) WAINFAN, ELSIE. A research and resource program in blood—Studies of tRNA methylating enzymes (cattle, chickens).
- PO1HL-09011-11 0012 (HEP) FALK, CATHERINE T. A research and resource program in blood—Population genetics.
- PO1HL-09011-11 0013 (HEP) RUBINSTEIN, PABLO. A research and resource program in blood—Study of tumor enhancement in mice.
- PO1HL-09011-11 0014 (HEP) MARSH, W LAWRENCE. A research and resource program in blood—Immunohematology (human).
- PO1HL-09011-11 0015 (HEP) REDMAN COLVIN M. A research and resource program in blood—Membranes laboratory.
- PO1HL-09011-11 0016 (HEP) EHRLICH, CARLOS C. A research and resource program in blood—Research resource.
- PO1HL-09011-11 0017 (HEP) BRODHEIM, ERIC. A research and resource program in blood—Operations research laboratory.
- PO1HL-09011-11 0018 (HEP) SZMUNESS, WOLF. A research and resource program in blood—Laboratory of epidemiology.
- RO1HL-09026-11 (CVB) WEISS, HAROLD S, OHIO STATE UNIVERSITY, 333 W 9TH AVENUE, COLUMBUS, OHIO. Mapping of intimal O₂ tension in atherosclerosis (chickens, rabbits).
- RO1HL-09070-10 (HEM) MARCUS, AARON J, NEW YORK V A HOSPITAL, 408 FIRST AVENUE, NEW YORK, N. Y. Subcellular platelet particles (human).
- RO1HL-09103-10 (MBT) ROTHBLAT, GEORGE M, WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Sterol metabolism in tissue culture cells (human, rabbits).
- RO1HL-09125-10 (MBY) KARNOVSKY, MORRIS J, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Ultrastructural cytochemistry (human, rodents, rabbits).
- RO1HL-09154-10 (CVB) HERD, JAMES A, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Central control of distribution of organ blood flow (monkeys).
- RO1HL-09163-09 (SSS) SHAPIRO, SANDOR S, JEFFERSON MEDICAL COLLEGE, 1015 SANSON STREET, PHILADELPHIA, PA. Control mechanisms in hemostasis (human).
- RO1HL-09172-10 (PC) RABINOWITZ, MURRAY, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Protein and RNA synthesis in heart muscle (rats).
- RO1HL-09203-10 (PTHA) GUREWICH, VICTOR, LEMUEL SHATTUCK HOSPITAL, 170 MORTON STREET, JAMAICA PLAIN, MASS. Pathogenesis of pulmonary thromboembolic disease (human, rabbits, cats).

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(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01HL-09234-10 (CVB) WELTY, JOSEPH D, JR, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILION, S DAK. Amino acids of contractile proteins of failing hearts (dogs, hamsters).	R01HL-09719-10 (PHY) BASSINGTHWAIGHTE, JAMES B, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Dispersion of diffusible indicators in the body (human, cats, dogs).
P01HL-09251-10 (HEP) HELLUMS, JESSE D, RICE UNIVERSITY, 6100 MAIN STREET, HOUSTON, TEXAS. Implantable artificial circulatory pumping systems.	R01HL-09739-09 (BBCB) ONCLEY, J LAWRENCE, UNIVERSITY OF MICHIGAN, 2200 BONISTEEL BOULEVARD, ANN ARBOR, MICH. Biophysical studies of proteins (human, bacteria).
P01HL-09251-10 0001 (HEP) HELLUMS, JESSE D. Implantable artificial circulatory pumping systems-Blood and flow studies (human, mammals).	R01HL-09744-10 (NTN) PORTMAN, OSCAR W, OREGON REG PRIMATE RES CTR, 505 N W 185TH AVENUE, BEAVERTON, OREG. Experimental vascular sclerosis (monkeys).
P01HL-09251-10 0002 (HEP) CLARK, JOHN W JR. Implantable artificial circulatory pumping systems-Systems and instrumentation (human, animals).	R01HL-09752-10 (SRC) VAN DER DECKER, JOHN D, U S PUBLIC HEALTH SERVICE HOSP, 6500 HAMPTON BOULEVARD, NORFOLK, VA. Cooperative study of renal disease and hypertension (human).
P01HL-09251-10 0003 (HEP) WALKER, W F. Implantable artificial circulatory pumping systems-Pumping systems (cattle).	R01HL-09773-09 (CVA) ROWELL, LORING B, UNIVERSITY OF WASHINGTON, DEPT OF PHYSIO & BIOPHYSICS, SEATTLE, WASH. Circulatory distribution and energy metabolism (human, baboons).
P01HL-09251-10 0004 (HEP) ARMENIADIS, C D. Implantable artificial circulatory pumping systems-Biomaterials (human, animals).	P01HL-09814-09 (HEP) DAVENPORT, FRED M, UNIVERSITY OF MICHIGAN, 201 CATHERINE STREET, ANN ARBOR, MICH. Research program- Cardiovascular and related disease.
P01HL-09251-10 0007 (HEP) HELLUMS, JESSE P. Implantable artificial circulatory pumping systems-Fundamental studies in fluid mechanics and transport processes (models).	P01HL-09814-09 0001 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Fasting serum lipid levels, glucose tolerance and insulin curves (human).
R01HL-09283-10 (PHRA) GREENBERG, MACHAEL J, FLORIDA STATE UNIVERSITY, DEPT OF BIOLOGICAL SCI, TALLAHASSEE, FLA. Pharmacology of molluscan hearts.	P01HL-09814-09 0002 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Socio-psychological health factors, coronary heart disease and precursors (human).
R01HL-09315-11 (S0YB) SABISTON, DAVID C, JR, DUKE UNIV MEDICAL CENTER, DEPARTMENT OF SURGERY, DURHAM, N C. Coronary insufficiency and myocardial revascularization (human, dogs).	P01HL-09814-09 0004 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Chronic respiratory disease (human).
R01HL-09415-10 (BBCA) KRUEGER, IRVIN M, CASE WESTERN RESERVE UNIV, DEPARTMENT OF CHEMISTRY, CLEVELAND, OHIO. Rheology and phase transitions in model dispersions.	P01HL-09814-09 0005 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Rheumatoid arthritis (human).
R01HL-09447-10 (HEM) BERMAN, HERBERT J, BIOLOGICAL SCIENCE CENTER, 2 CUMMINGTON STREET, BOSTON, MASS. Structure and function of microvascular system (human, rabbits, hamsters).	P01HL-09014-09 0006 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Sudden death and myocardial infarctions (human).
R01HL-09474-10 (TEC) LAMBERT, EDWARD C, CHILDRENS HOSPITAL, 219 BRYANT STREET, BUFFALO, N Y. Natural history-congenital heart defects-Joint study (human).	P01HL-09314-09 0008 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Genetic studies (human).
R01HL-09476-09 (TEC) NADAS, ALEXANDER S, CHILDREN'S HOSP MEDICAL CENTER, 300 LONGWOOD AVENUE, BOSTON, MASS. Natural history, congenital heart defects-Joint study.	P01HL-09814-09 0011 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Habitual physical activity, work capacity and exercise physiology (human).
R01HL-09477-09 (TEC) DU SHANE, JAMES W, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Natural history of congenital heart defects-Joint study (human).	P01HL-09814-09 0012 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Data analysis.
R01HL-09478-09 (TEC) BLOUNT, S GILBERT, JR, UNIVERSITY OF COLORADO MED CTR, 4200 EAST 9TH AVENUE, DENVER, COLO. Natural history congenital heart defects-Joint study (human).	P01HL-09814-09 0014 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Nutrition studies (human).
R01HL-09479-09 (TEC) GERSONY, WELTON M, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Natural history congenital heart defects-Joint study (human).	P01HL-09014-09 0015 (HEP) EPTSEIN, FRIEDERICK. Research program- Cardiovascular and related disease-Body build and fitness (human).
R01HL-09489-09 (MET) VAHOUNY, GEORGE V, GEORGE WASHINGTON U SCH OF MED, 2300 EYE STREET, N W, WASHINGTON, D C. Myocardial lipid metabolism and regulation.	P01HL-09814-09 0016 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Morbidity and mortality follow-up (human).
R01HL-09489-09 0001 (MET) VAHOUNY, GEORGE V. Myocardial lipid metabolism and regulation-Polyunsaturated fatty acid metabolism (rats).	P01HL-09814-09 0017 (HEP) MONTO, ARNOLD S. Research program- Cardiovascular and related disease-Acute upper respiratory disease (human).
R01HL-09489-09 0002 (MET) VAHOUNY, GEORGE V. Myocardial lipid metabolism and regulation-Competitive oxidation of mitochondrial substrate.	P01HL-09814-09 0018 (HEP) MONTO, ARNOLD S. Research program- Cardiovascular and related disease-Antibody status and health of children during first year of life.
R01HL-09489-09 0003 (MET) VAHOUNY, GEORGE V. Myocardial lipid metabolism and regulation-Adult cardiac cell viability and contractility.	P01HL-09814-09 0019 (HEP) SING, CHARLES F. Research program- Cardiovascular and related disease-Genetic coadaptation in Tecumseh (human).
P01HL-09495-13 (HEPA) BODY, DANIEL A, 951 COURT AVENUE, MEMPHIS, TENN. Cardiovascular computer project.	P01HL-09014-09 0020 (HEP) SING, CHARLES F. Research program- Cardiovascular and related disease-Correlation between genes and indicators of health and disease in Tecumseh.
R01HL-09544-09 (BBCB) HARTSHORNE, DAVID J, CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Biochemistry of contractile proteins (animals).	P01HL-09814-09 0021 (HEP) DAVENPORT, FRED M. Research program- Cardiovascular and related disease-Familial factors in pathogenesis (human).
R01HL-09562-09 (CVB) SCHREIBER, SIDNEY S, VETERANS ADMINISTRATION HOSP, 408 FIRST AVENUE, NEW YORK, N Y. Protein and RNA synthesis in cardiac stress (guinea pigs).	P01HL-09814-09 0022 (HEP) HIGGINS, MILDRED W. Research program- Cardiovascular and related disease-Antecedents in childhood of chronic respiratory disease in young adults.
R01HL-09567-09 (PHRA) HOLLANDER, PHILIP B, DEPARTMENT OF PHARMACOLOGY, 1645 NEIL AVENUE, COLUMBUS, OHIO. Biophysical mechanisms of cardiac membrane responses (guinea pigs).	P01HL-09014-09 0023 (HEP) HIGGINS, MILDRED W. Research program- Cardiovascular and related disease-Chronic respiratory symptoms and disease, ventilatory lung function (human).
R01HL-09575-09 (S0YA) MAXWELL, MORTON M, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Experimental renal arterial hypertension (dogs).	P01HL-09814-09 0024 (HEP) JOHNSON, B C. Research program- Cardiovascular and related disease-Changes in physiological variables and development of chronic disease (human).
R01HL-09609-09 (S0YB) COLGAN, FRANK J, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Lung volume and breathing mechanics during anesthesia (human, dogs).	P01HL-09014-09 0025 (HEP) RAVENSCROFT, C. Research program- Cardiovascular and related disease-Correlation between patterns of feed use and biological variables (human).
R01HL-09610-10 (MET) DIETSCHY, JOHN M, UNIV OF TEXAS, 5323 HARRY HIMES BOULEVARD, DALLAS, TEXAS. Control of cholesterol metabolism-Bile acid transport.	P01HL-09814-09 0026 (HEP) MONTOYE, H J. Research program- Cardiovascular and related disease-Physical activity variables in prediction of disease (human).
R01HL-09610-10 0001 (MET) DIETSCHY, JOHN M. Control of cholesterol metabolism-Bile acid transport-Adaptive mechanisms in intestinal resectioning (rats).	P01HL-09814-09 0027 (HEP) JOHNSON, B C. Research program- Cardiovascular and related disease-Longitudinal blood pressure change in individuals, families and social groups.
R01HL-09610-10 0002 (MET) DIETSCHY, JOHN M. Control of cholesterol metabolism-Bile acid transport-Lipoprotein inhibition of hepatic sterol synthesis (human, rats).	P01HL-09814-09 0028 (HEP) METZNER, H L. Research program- Cardiovascular and related disease-Occupational mobility as related to risk factors and health and disease.
R01HL-09610-10 0005 (MET) DIETSCHY, JOHN M. Control of cholesterol metabolism-Bile acid transport-Isolation of bile acid carrier.	P01HL-09814-09 0029 (HEP) METZNER, H L. Research program- Cardiovascular and related disease-Employment stability as related to risk factors and health and disease.
R01HL-09610-10 0004 (MET) DIETSCHY, JOHN M. Control of cholesterol metabolism-Bile acid transport-Bile acid transport across colon (rats).	P01HL-09814-09 0030 (HEP) OSTRANDER, LEON D. Research program- Cardiovascular and related disease-Prognosis of angina pectoris and myocardial infarct (human).
R01HL-09622-10 (PTMA) STILL, WILLIAM J, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Pathogenesis of atherosclerosis (rats).	P01HL-09814-09 0031 (HEP) OSTRANDER, LEON D. Research program- Cardiovascular and related disease-Angina myocardial infarct and death from coronary disease in Tecumseh.
R01HL-09676-09 (AFY) CRAIG, ALBERT B, JR, UNIVERSITY OF ROCHESTER, DEPARTMENT OF PHYSIOLOGY, ROCHESTER, N Y. Thermal regulation during water immersion of man.	P01HL-09814-09 0032 (HEP) JULIUS, MARA. Research program- Cardiovascular and related disease-Development and standardization of life-change rating scale.
R01HL-09678-09 (MCHB) VASKA, LAURL, CLARKSON COLLEGE OF TECHNOLOGY, DEPT OF CHEMISTRY, POTSDAM, N Y. Oxygen-carrying metal complexes.	P01HL-09814-09 0033 (HEP) HARBURG, E. Research program- Cardiovascular and related disease-Angor-guait and health factors (human).
R01HL-09686-09 (TEC) PRANTZ, IVAN D, JR, DEPARTMENT OF MEDICINE, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN. Diet and human cardiovascular disease.	P01HL-09014-09 0034 (HEP) HARBURG, E. Research program- Cardiovascular and related disease-Well-being and health factors.
R01HL-09711-10 (CVA) GREENFIELD, JOSEPH C, JR, DUKE UNIVERSITY, POST OFFICE BOX 3246, DURHAM, N C. Instantaneous blood flow in ascending aorta (human, dogs).	P01HL-09014-09 0035 (HEP) JULIUS, MARA. Research program- Cardiovascular and related disease-Life-change study (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1HL-09814-09 0036 (HEP) HIGGINS, MILICENT W. Research program- Cardiovascular and related disease-Interrelationship chronic respiratory disease and coronary heart disease (human).
- PO1HL-09814-09 0037 (HEP) HIGGINS, MILICENT W. Research program- Cardiovascular and related disease-New risk factors associated with chronic respiratory disease (human).
- PO1HL-09814-09 0038 (HEP) HIGGINS, MILICENT W. Research program- Cardiovascular and related disease-Isuprel inhalation on lung function, respiration and smoking (human).
- PO1HL-09814-09 0039 (HEP) MONTOYE, H J. Research program- Cardiovascular and related disease-Lung function during exercise and respiratory disease (human).
- PO1HL-09814-09 0040 (HEP) RAVENSCROFT, C. Research program- Cardiovascular and related disease-Nutrition studies in Tecumseh population.
- PO1HL-09814-09 0041 (HEP) JOHNSON, B C. Research program- Cardiovascular and related disease-Hypertension to related diseases, cardiovascular, cerebrovascular and renal.
- PO1HL-09814-09 0042 (HEP) HARBURG, E. Research program- Cardiovascular and related disease-Blood pressure comparison between differing environments in Tecumseh and Detroit.
- PO1HL-09814-09 0043 (HEP) OSTRANDER, L D. Research program- Cardiovascular and related disease-Relation of serum glucagon to insulin levels in inappropriate insulin responses.
- PO1HL-09814-09 0044 (HEP) OSTRANDER, L D. Research program- Cardiovascular and related disease-Studies of abnormal glucose tolerance in apparently normal men.
- PO1HL-09814-09 0045 (HEP) OSTRANDER, L D. Research program- Cardiovascular and related disease-Relationship of alcohol intake to serum lipid concentration (human).
- RO1HL-09831-08 (CVB) RUSH, STANLEY L, UNIVERSITY OF VERMONT, VOTEY BUILDING, BURLINGTON, VT. Effect of resistivity variations on electrocardiogram (human).
- RO1HL-09902-09 (HEM) DODDS, W JEAN, NEW YORK STATE DEPT OF HLTH, NEW SCOTLAND AVENUE, ALBANY, N Y. Comparative study of coagulation and vascular disease (animals, human).
- RO1HL-09906-09 (PHY) HOPPMAN, JOSEPH F, YALE UNIVERSITY, 333 CEDAR ST, NEW HAVEN, CONN. Membrane transport processes in red blood cells (human, dogs, sheep).
- RO1HL-09911-08 (GMB) HALL, CHARLES E, UNIVERSITY OF TEXAS MED BRANCH, DEPARTMENT OF PHYSIOLOGY, GALVESTON, TEX. Hormonal and dietary modification of NaCl toxicity (rats, mice).
- RO1HL-09913-09 (RAD) WOLF, BERNARD S, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVE, NEW YORK, N Y. Cerebral veins-Anatomic and radiologic correlation (human).
- RO1HL-09914-09 (CVB) RIGAN, TIMOTHY J, COLL OF MEDICINE & DENTISTRY, 100 BERGEN STREET, NEWARK, N J. Myocardial function and metabolism disease (dogs).
- RO1HL-09921-09 (GMB) MCCAA, CONNIE S, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Mechanisms of congestive heart failure.
- RO1HL-09921-09 0001 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Pathways of excretion of aldosterone radiometabolites in rats.
- RO1HL-09921-09 0002 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Effects of ouabain on tissue distribution and metabolism of aldosterone (rats).
- RO1HL-09921-09 0003 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Effect of sodium deprivation on tissue uptake and metabolism of aldosterone (rat).
- RO1HL-09921-09 0004 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Relation of renal RNA synthesis to 'escape' from aldosterone action (rats).
- RO1HL-09921-09 0003 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Action of aldosterone in mammalian renal tubules (rats).
- RO1HL-09921-09 0006 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Action of aldosterone in isolated perfused rat kidney.
- RO1HL-09921-09 0007 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Stimulation in kidney of RNA and protein synthesis by aldosterone.
- RO1HL-09921-09 0008 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Increased plasma aldosterone in response to hemodialysis (human).
- RO1HL-09921-09 0009 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Hemodialysis and aldosterone in anephric man.
- RO1HL-09921-09 0010 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Clearance of adrenocortical steroids by artificial kidney.
- RO1HL-09921-09 0011 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Stimulation of aldosterone secretion by hemorrhage (dogs).
- RO1HL-09921-09 0012 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Aldosterone influence of RNA synthesis.
- RO1HL-09921-09 0013 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Effect of aldosterone on renal protein synthesis (rats).
- RO1HL-09921-09 0014 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Aldosterone and radiolabeled sulfur in kidney.
- RO1HL-09921-09 0015 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Aldosterone secretory rate and concentration in plasma.
- RO1HL-09921-09 0016 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Feedback gain of different control loops in aldosterone secretion system.
- RO1HL-09921-09 0017 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Zona glomerulosa hypertrophy.
- RO1HL-09921-09 0018 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Sodium depletion stimulus and volume depletion stimulus (dogs).
- RO1HL-09921-09 0019 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Radioimmunoassay for plasma aldosterone.
- RO1HL-09921-09 0020 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Method for determining angiotensin II (rabbits).
- RO1HL-09921-09 0021 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Isolation and identification of a head factor (dogs, rats).
- RO1HL-09921-09 0022 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Demonstration of brain receptor for aldosterone (rats).
- RO1HL-09921-09 0023 (GMB) MCCAA, CONNIE S. Mechanisms of congestive heart failure-Cross-circulation experiments (dogs).
- RO1HL-09932-09 (SSS) CHIDSEY, CHARLES A, 4200 EAST NINTH AVENUE, DENVER, COLO. Pharmacology and pathophysiology of sympathetic nerves (human, rats, dogs).
- RO1HL-09939-09 (HEM) LANCHANTIN, GERARD F, CEDARS-SINAI MEDICAL CENTER, 4833 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Subunits formed during human prothrombin activation.
- RO1HL-09985-08 (HEM) VON KAULLA, KURT N, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Synthetic fibrinolytic/thrombolytic agents (human, rats).
- RO1HL-09997-10 (SOYA) GOTT, VINCENT L, JOHNS HOPKINS HOSPITAL, 608 BALLOCK BUILDING, BALTIMORE, MD. Intracardiac valvular prostheses (dogs, human).
- RO1HL-10002-09 (HEM) BELAMARICH, FRANK A, BOSTON UNIVERSITY, 2 CUMMINGTON STREET, BOSTON, MASS. Structure and function of thrombocytes (birds, fish, crabs).
- RO1HL-10009-09 (CVA) DAWSON, ARTHUR D, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Pulmonary blood flow distribution in man.
- RO1HL-10018-07 (MET) MC CARL, RICHARD L, PENNSYLVANIA STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, UNIVERSITY PARK, PA. Effect of aging on beating heart calls in culture (rats).
- RO1HL-10036-09 (HEM) LALEZARI, PARVIZ, MONTEFIORE HOSP & MED CTR, 111 EAST 210TH STREET, BRONX, N Y. Biology of red cell antigen-antibody reaction (human, dogs).
- RO1HL-10042-09 (GMB) PORTER, GEORGE A, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Steroidal regulation of active sodium transport (toads).
- RO1HL-10049-09 (ALY) MORSE, JANE H, COLUMBIA UNIVERSITY, 630 W 168TH STREET, NEW YORK, N Y. Role of serum complement in disease (human).
- PO1HL-10098-10 (HEP) HAYES, KENNETH C, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Primates in cardiovascular research.
- PO1HL-10098-10 0015 (HEP) AUSMAN, LYNNE. Primates in cardiovascular research-Vitamin A deficiency.
- PO1HL-10098-10 0020 (HEP) HAYES, K C. Primates in cardiovascular research-Vitamin A toxicity.
- PO1HL-10098-10 0021 (HEP) HAYES, K C. Primates in cardiovascular research-Central animal care unit.
- PO1HL-10098-10 0022 (HEP) HAYES, K C. Primates in cardiovascular research-Perinatal biology.
- PO1HL-10098-10 0023 (HEP) HAYES, K C. Primates in cardiovascular research-Lipid metabolism.
- PO1HL-10098-10 0024 (HEP) MCGANDY, ROBERT B. Primates in cardiovascular research-Vascular structure and ultrastructure.
- PO1HL-10098-10 0025 (HEP) GERSHOFF, STANLEY N. Primates in cardiovascular research-Hypertension.
- PO1HL-10098-10 0026 (HEP) MCCOMBS, H L. Primates in cardiovascular research-Thrombohemorrhagic phenomena.
- PO1HL-10098-10 0027 (HEP) GERSHOFF, S N. Primates in cardiovascular research-Protein carbohydrate studies.
- PO1HL-10098-10 0028 (HEP) BERSON, E. Primates in cardiovascular research-Behavioral studies of infant monkeys.
- PO1HL-10098-10 0029 (HEP) GERALD, P S. Primates in cardiovascular research-Iron deficiency anemia and iron utilization.
- PO1HL-10098-10 0030 (HEP) HAYES, K C. Primates in cardiovascular research-Nutrition and endocrinology.
- PO1HL-10098-10 0031 (HEP) WEN, C P. Primates in cardiovascular research-Cardiovascular physiology.
- PO1HL-10098-10 0032 (HEP) GEYER, ROBERT P. Primates in cardiovascular research-Blood substitute and tissue culture.
- RO1HL-10099-09 (HEM) DETWILER, THOMAS C, SUNY-DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N Y. Energy metabolism in blood platelets (rats).
- RO1HL-10107-08 (PHRB) HUNTER, F EDMUND, JR, WASHINGTON UNIV SCHOOL OF MED, 660 SOUTH EUCLID, ST LOUIS, MO. Glutathione-organic nitrate ester reductase (guinea pigs, rats).
- RO1HL-10160-09 (MET) SMITH, LELAND L, UNIV OF TEXAS MEDICAL BRANCH, GALVESTON, TEX. Origins of atherosclerosis (human, rabbits).
- RO1HL-10177-09 (SOYA) LEWIS, F JOHN, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. Continuous monitoring with a small digital computer (human).
- RO1HL-10182-09 (GMB) CANNON, PAUL J, COLL OF PHYSICIANS & SURGEONS, 630 W 168TH STREET, NEW YORK, N Y. Circulatory function and electrolyte metabolism (human, primates, dogs).
- RO1HL-10185-08 (PHY) HARVEY, RODNEY B, DEPT OF PHYSIOLOGY, 424 MILLARD HALL UNIV OF MINN, MINNEAPOLIS, MINN. Regulation of renal medullary circulation (rodents, dogs).
- RO1HL-10202-08 (COM) VON DER GROEBEN, JOBST, DEPT OF ANESTHESIA, STANFORD UNIV SCHOOL OF MED, STANFORD, CALIF. Computer analysis of ECG waveforms in surgery (human).
- RO1HL-10233-09 (TBC) BAER, SAMUEL, ALBERT EINSTEIN MEDICAL CENTER, YORK & TABOR ROADS, PHILADELPHIA, PA. Cooperative study of drugs and coronary heart disease (human).
- RO1HL-10316-09 (MET) FISHER, WALDO R, UNIVERSITY OF FLORIDA, DEPT OF MEDICINE, GAINESVILLE, FLA. Structural studies on serum lipoproteins (human).
- RO1HL-10325-08 (CVB) TOOLE, J GERALD, SANTA CLARA VALLEY MED CTR, 751 SOUTH BASCOM AVENUE, SAN JOSE, CALIF. Digital computer analysis of the ECG in heart disease.
- RO1HL-10330-08 (CVA) NOORDERGRAAF, ABRAHAM, UNIVERSITY OF PENNSYLVANIA, DEPT OF BIOENGR 02 19174, PHILADELPHIA, PA. Computer studies of human circulatory system.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HL-10331-09 (PHY) COBURN, RONALD F, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Carbon monoxide production and body CO stores (human, dogs).
- PO1HL-10342-09 (HEP) PERMUTT, SOLBERT, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Cardiovascular, pulmonary, and behavioral studies.
- PO1HL-10342-09 0001 (HEP) RUBIN, R J. Cardiovascular, pulmonary, and behavioral studies—Effect of CO and hypoxic hypoxia on hepatic drug metabolism (human, rats).
- PO1HL-10342-09 0002 (HEP) PERMUTT, SOLBERT. Cardiovascular, pulmonary, and behavioral studies—Effect of carbon monoxide and hypoxic hypoxia on venous return (dogs).
- PO1HL-10342-09 0003 (HEP) BROMBERGER-BAENEA B. Cardiovascular, pulmonary, and behavioral studies—Effects of hypoxic hypoxia and carbon monoxide hypoxia on the heart (dogs).
- PO1HL-10342-09 0004 (HEP) ANNAU, ZOLTAN. Cardiovascular, pulmonary, and behavioral studies—Hypothalamus in behavior and physiology of hypoxic and CO hypoxia (rats).
- PO1HL-10342-09 0005 (HEP) RADFORD E P. Cardiovascular, pulmonary, and behavioral studies—Adaptive processes to carbon monoxide exposure (human, rats).
- PO1HL-10342-09 0006 (HEP) PERMUTT, SOLBERT. Cardiovascular, pulmonary, and behavioral studies—Systemic vascular compliance and mean systemic pressure (dogs, human).
- PO1HL-10342-09 0007 (HEP) PERMUTT, SOLBERT. Cardiovascular, pulmonary, and behavioral studies—Mueller maneuver, changes in lung volume to evaluate ventricular function (human).
- PO1HL-10342-09 0008 (HEP) PERMUTT, SOLBERT. Cardiovascular, pulmonary, and behavioral studies—Respiratory mechanics and pulmonary edema (human, dogs).
- PO1HL-10342-09 0009 (HEP) MENKES, H L. Cardiovascular, pulmonary, and behavioral studies—Pulmonary interdependence (human, swine).
- PO1HL-10342-09 0010 (HEP) MENKES, H A. Cardiovascular, pulmonary, and behavioral studies—Pathology of intrapulmonary airways and chronic obstructive lung disease (dogs).
- PO1HL-10342-09 0011 (HEP) FITZGERALD, R S. Cardiovascular, pulmonary, and behavioral studies—Carotid body studies (cat).
- PO1HL-10342-09 0012 (HEP) FITZGERALD, R S. Cardiovascular, pulmonary, and behavioral studies—Phrenic nerve-tidal volume studies (dogs, cats).
- PO1HL-10342-09 0013 (HEP) FITZGERALD, R S. Cardiovascular, pulmonary, and behavioral studies—Hypercapnia, serum phosphorus, and muscle performance (dogs, rats).
- PO1HL-10342-09 0014 (HEP) GURTNER G. Cardiovascular, pulmonary, and behavioral studies—Carbon dioxide transport (dogs).
- PO1HL-10342-09 0015 (HEP) GURTNER, G. Cardiovascular, pulmonary, and behavioral studies—Oxygen transport in the placenta (sheep).
- PO1HL-10342-09 0016 (HEP) GURTNER, G. Cardiovascular, pulmonary, and behavioral studies—Oxygen transport in the lung (sheep).
- PO1HL-10342-09 0017 (HEP) PERMUTT, SOLBERT. Cardiovascular, pulmonary, and behavioral studies—Pressure, flow, and volume relations of the pulmonary circulation (dogs).
- PO1HL-10342-09 0018 (HEP) BROMBERGER-BARNEA, B. Cardiovascular, pulmonary, and behavioral studies—Effect of coronary flow and arterial and venous pressure on heart function (dogs).
- PO1HL-10342-09 0019 (HEP) TRAYSTMAN, R. Cardiovascular, pulmonary, and behavioral studies—Cerebral circulation (dogs).
- PO1HL-10342-09 0020 (HEP) PERMUTT, SOLBERT. Cardiovascular, pulmonary, and behavioral studies—Systemic circulation as a determinant of venous return and cardiac output (dogs).
- PO1HL-10342-09 0021 (HEP) EHRLEICH, W. Cardiovascular, pulmonary, and behavioral studies—Regulation of systemic, pulmonary, and coronary circulation (dogs).
- RO1HL-10353-08 (TEC) SCHOCH, HENRY K, VETERANS ADMINISTRATION HOSP, 2215 FULLER ROAD, ANN ARBOR, MICH. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-10356-08 (TEC) MAXWELL, MORTON H, CEDARS-SINAI MEDICAL CENTER, 8720 BEVERLY BOULEVARD, LOS ANGELES, CALIF. Cooperative study of renovascular hypertension (human).
- RO1HL-10383-08 (BIBC) HO, CHIEN, UNIVERSITY OF PITTSBURGH, 378 CRAWFORD HALL, PITTSBURGH, PA. Physical-chemical studies of hemoglobins (human).
- RO1HL-10384-08 (CVB) BERNE, ROBERT M, UNIVERSITY OF VIRGINIA, JORDON HALL, CHARLOTTESVILLE, VA. Blood flow and nucleotide metabolism in the heart (dogs, rabbits).
- RO1HL-10406-09 (PC) VAGELOS, P ROY, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Synthesis, metabolism and function of lipids (rats, bacteria).
- RO1HL-10416-09 (SOYA) MILLER, LEONARD D, HOSPITAL UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Shock, hepatorenal syndrome, kidney preservation (human, dogs).
- RO1HL-10417-08 (CVB) PLONSEY, ROBERT, CASE WESTERN RESERVE UNIV, 500 WICKENDEN BUILDING, CLEVELAND, OHIO. Multipole systems in electrocardiography.
- PO1HL-10436-09 (HEP) NADAS, ALEXANDER S, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Congenital heart disease.
- PO1HL-10436-09 0001 (HEP) NADAS, ALEXANDER S. Congenital heart disease—Assessment of the outlook for children.
- PO1HL-10436-09 0002 (HEP) MONROE, R GRIER. Congenital heart disease—Myocardial performance and metabolism in hearts of large animals (dogs, calves).
- PO1HL-10436-09 0003 (HEP) ELLISON, R CURTIS. Congenital heart disease—Human ventricular function in congenital and acquired heart disease.
- PO1HL-10436-09 0004 (HEP) GAMBLE, WALTER J. Congenital heart disease—Myocardial performance and metabolism in hearts of small animals.
- PO1HL-10436-09 0005 (HEP) STREIDER, DENISE J. Congenital heart disease—Pulmonary physiology in pediatric chest diseases.
- PO1HL-10436-09 0006 (HEP) LAFARGE, C GRANT. Congenital heart disease—Physiology of prosthetic heart devices (human, cattle).
- PO1HL-10436-09 0007 (HEP) WOLFF, PETER M. Congenital heart disease—Developmental lag, perceptual-motor deficits and hypoxia.
- PO1HL-10436-09 0008 (HEP) ROSENTHAL, AMNON. Congenital heart disease—Physiologic adaptation to cyanotic congenital heart disease (human, dogs).
- PO1HL-10436-09 0009 (HEP) VAN PRAAGH, RICHARD. Congenital heart disease—Pathophysiology and morphogenesis (human, chick embryo).
- PO1HL-10436-09 0010 (HEP) MANASEK, FRANCIS J. Congenital heart disease—Electron microscopy in early embryogenesis (chick embryo).
- PO1HL-10436-09 0011 (HEP) GERALD, PARK S. Congenital heart disease—Incidence and variety of chromosome abnormalities (human).
- PO1HL-10436-09 0012 (HEP) MIETTINEN, OLLI S. Congenital heart disease—Epidemiology of congenital heart disease (human).
- PO1HL-10436-09 0013 (HEP) LEVY, RAPHAEL H. Congenital heart disease—Lung transplantation (mice).
- PO1HL-10436-09 0014 (HEP) VATNER, STEPHEN PELLER. Congenital heart disease—Cardiovascular pharmacology in the intact conscious dog.
- RO1HL-10441-09 (TEC) WARBASSE, J RICHARD, USPHS HOSPITAL, 3100 WYMAN PARK DRIVE, BALTIMORE, MD. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-10442-09 (TEC) KOHN, ROBERT M, BUFFALO GENERAL HOSPITAL, 50 HIGH STREET, BUFFALO, N Y. Cooperative study of drugs and coronary heart disease (human).
- RO1HL-10443-09 (TEC) LEWIS, BERNARD I, PALO ALTO MEDICAL RESEARCH FND, 860 BRYANT STREET, PALO ALTO, CALIF. Cooperative study of drugs and coronary heart disease (human).
- RO1HL-10444-09 (TEC) JONES, RICHARD J, BOX 401, 950 EAST 59TH STREET, CHICAGO, ILL. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-10445-09 (TEC) HYATT, KENNETH M, US PUBLIC HEALTH SERVICE HOSP, 15TH AVE & LAKE STREET, SAN FRANCISCO, CALIF. Cooperative study of drugs and coronary heart disease (human).
- RO1HL-10444-09 (TEC) BERNSTEIN, WILLIAM H, MOUNT SINAI MEDICAL CENTER, 4300 ALTON ROAD, MIAMI BEACH, FLA. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-10437-08 (GEN) JAVID, JAASHID, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Biochemical genetics of human serum haptoglobins (primates).
- RO1HL-10489-08 (PC) HOLMAN, RALPH T, UNIVERSITY OF MINNESOTA, 801 16TH AVE N E, AUSTIN, MINN. Enzyme studies of polyunsaturated acid metabolism (rats).
- RO1HL-10503-09 (PHY) PAGE, ERNEST, UNIVERSITY OF CHICAGO, HOSPITAL P O BOX 137, CHICAGO, ILL. Cardiac ion transport and ultrastructure (rats, guinea pigs, rabbits).
- RO1HL-10514-09 (TEC) EMANUEL, DEAN A, MARSHFIELD CLINIC FOUNDATION, 510 NORTH ST JOSEPH AVENUE, MARSHFIELD, WIS. Cooperative study of drugs and coronary heart disease (human).
- RO1HL-10515-09 (TEC) MORGAN, DAVID Z, WEST VIRGINIA UNIVERSITY, MEDICAL CENTER, MORGANTOWN, W VA. Cooperative study of drugs and coronary heart disease (men).
- PO1HL-10539-09 (HEP) ABELMANN, WALTER M, BOSTON CITY HOSPITAL, THORNDIKE MEMORIAL LABORATORY, BOSTON, MASS. Pathophysiology of circulation.
- PO1HL-10539-09 0001 (HEP) ELLIS, LAURENCE B. Pathophysiology of circulation—Acquired valvular disease (human).
- PO1HL-10539-09 0002 (HEP) ELLIS, LAURANCE B. Pathophysiology of circulation—Clinical morphological correlations in valvular heart disease (human).
- PO1HL-10539-09 0006 (HEP) HOOD, WILLIAM B JR. Pathophysiology of circulation—Acute myocardial infarction (dogs, baboons).
- PO1HL-10539-09 0007 (HEP) BENSON HERBERT. Pathophysiology of circulation—Control of blood pressure and hypertension (human).
- PO1HL-10539-09 0010 (HEP) BELLER, G A. Pathophysiology of circulation—Digoxin in ischemic and infarcted myocardium (dogs).
- PO1HL-10539-09 0011 (HEP) HENDERSON, R R. Pathophysiology of circulation—Digitalis glycosides in ambulatory cardiac patients.
- PO1HL-10539-09 0012 (HEP) ABELMANN, WALTER M. Pathophysiology of circulation—Primary myocardial disease (human).
- PO1HL-10539-09 0014 (HEP) ABELMANN, WALTER H. Pathophysiology of circulation—Hereditary cardiomyopathy of Syrian hamster.
- PO1HL-10539-09 0016 (HEP) BENSON, HERBERT. Pathophysiology of circulation—Physiologic observations of transcendental meditation (human).
- PO1HL-10539-09 0017 (HEP) KHOUNY, Pathophysiology of circulation—Clinicopathologic correlations in myocarditis (human).
- PO1HL-10539-09 0018 (HEP) SCHWARTZ, G E. Pathophysiology of circulation—Experimental isoproterenol necrosis (hamsters, rabbits).
- PO1HL-10539-09 0019 (HEP) HARTLEY, L HOWARD. Pathophysiology of circulation—Exercise physiology and pathophysiology (human).
- PO1HL-10539-09 0020 (HEP) HARTLEY, L HOWARD. Pathophysiology of circulation—Oxygen cost of rowing (athletes).
- PO1HL-10539-09 0021 (HEP) HARTLEY, L HOWARD. Pathophysiology of circulation—Endurance time and maximal oxygen uptake (athletes).
- PO1HL-10539-09 0022 (HEP) HARTLEY, L HOWARD. Pathophysiology of circulation—Simulation of exercise (dogs).
- PO1HL-10539-09 0023 (HEP) BENSON, HERBERT. Pathophysiology of circulation—Meditational states and their application to disease states (human).
- PO1HL-10539-09 0024 (HEP) ABELMANN, WALTER H. Pathophysiology of circulation—Experimental viral cardiomyopathy (hamster).
- PO1HL-10539-09 0025 (HEP) ABELMANN, WALTER H. Pathophysiology of circulation—Cardiovascular effects of magnesium deficiency (hamster).
- PO1HL-10539-09 0026 (HEP) ABELMANN, WALTER H. Pathophysiology of circulation—Salicylates in experimental chagasic myocarditis (mice).
- PO1HL-10539-09 0027 (HEP) ABELMANN, WALTER H. Pathophysiology of circulation—Ventricular compliance in cardiomyopathies (hamster).
- PO1HL-10539-09 0028 (HEP) ABELMANN, WALTER H. Pathophysiology of circulation—Effects of age upon ventricular compliance (hamsters).
- PO1HL-10539-09 0029 (HEP) ABELMANN, WALTER H. Pathophysiology of circulation—Differentiation of ventricular compliance (hamster).
- PO1HL-10539-09 0030 (HEP) HARTLEY, L HOWARD. Pathophysiology of circulation—Working capacity of individuals who had a recent myocardial infarction (human).
- PO1HL-10539-09 0031 (HEP) HARTLEY, L HOWARD. Pathophysiology of circulation—Endurance training of post myocardial infarction (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P01HL-10539-09 0032 (HEP) HARTLEY, I HOWARD. Pathophysiology of circulation—Electrocardiographic changes during exercise (human).
- P01HL-10539-09 0033 (HEP) HARTLEY, I HOWARD. Pathophysiology of circulation—Exercise prescription procedures.
- P01HL-10539-09 0034 (HEP) HARTLEY, I HOWARD. Pathophysiology of circulation—Ventilatory factors which limit heavy physical work (human).
- P01HL-10539-09 0035 (HEP) HARTLEY, I HOWARD. Pathophysiology of circulation—Exercise screening techniques for physical programs (human).
- P01HL-10539-09 0036 (HEP) HARTLEY, I HOWARD. Pathophysiology of circulation—Effects of quinidine and propranolol on ventricular arrhythmias (human).
- P01HL-10539-09 0037 (HEP) BING, O. Pathophysiology of circulation—Electromechanical activity of isolated heart muscle (rats, guinea pigs).
- P01HL-10539-09 0038 (HEP) BING, O. Pathophysiology of circulation—Action of caffeine (rat).
- P01HL-10539-09 0039 (HEP) BING, O. Pathophysiology of circulation—Myocardial hypoxia and reoxygenation.
- P01HL-10539-09 0040 (HEP) BING, O. Pathophysiology of circulation—Physiologic loading of isolated cardiac muscle.
- P01HL-10539-09 0041 (HEP) BING, O. Pathophysiology of circulation—Tension density and hill critical radius in cardiac muscle.
- P01HL-10539-09 0042 (HEP) BING, O. Pathophysiology of circulation—Tolerance of isolated cardiac muscle to hypoxia.
- P01HL-10539-09 0043 (HEP) BING, O. Pathophysiology of circulation—Sustainedotropism during hypoxia.
- P01HL-10539-09 0044 (HEP) BING, O. Pathophysiology of circulation—Effect of calcium on hypoxic heart muscle.
- P01HL-10539-09 0045 (HEP) GING, O. Pathophysiology of circulation—Effect of fluorocarbon on isolated cardiac muscle (rats).
- R01HL-10541-09 (TEC) BERKSON, DAVID M, ST JOSEPH HOSPITAL, 2900 NORTH LAKE SHORE DR, CHICAGO, ILL. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10567-09 (HEM) LANGE, ROBERT D, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Erythropoietin—Immunoassay and characterization (human, mice, rabbits).
- R01HL-10582-09 (HEM) BRINKHOUS, KENNETH M, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Hemostasis and thrombosis—Analysis, methods and standards.
- R01HL-10595-09 (PHRA) WEINER, IRWIN M, STATE UNIVERSITY OF NEW YORK, 766 IRVING AVENUE, SYRACUSE, N Y. Biochemical aspects of renal electrolyte transport (dogs).
- R01HL-10608-08 (ALY) BUTLER, VINCENT P, JR, COLUMBIA UNIVERSITY, 630 W 168TH STREET, NEW YORK, N Y. Digoxin-specific antibodies (dogs, rabbits, human).
- R01HL-10612-08 (CVB) DAVIS, JAMES O, UNIVERSITY OF MISSOURI, M412 MEDICAL SCIENCE BLDG, COLUMBIA, MO. Humoral factors in experimental heart failure.
- R01HL-10612-08 0001 (CVB) JOHNSON, J ALAN. Humoral factors in experimental heart failure—Effects of catecholamines and renal nerve stimulation on renin release (dogs).
- R01HL-10612-08 0002 (CVB) SHADE, ROBERT E. Humoral factors in experimental heart failure—Effects of renal arterial infusion of sodium and potassium on renin secretion (do).
- R01HL-10612-08 0003 (CVB) SHADE, ROBERT, E. Humoral factors in experimental heart failure—Effects of antidiuretic hormone and angiotensin II on renin release (dogs).
- R01HL-10612-08 0004 (CVB) GOTSHALL, R W. Humoral factors in experimental heart failure—Renin release during sodium depletion (dogs).
- R01HL-10612-08 0005 (CVB) DAVIS, JAMES O. Humoral factors in experimental heart failure—Pathogenesis of experimental renal hypertension (dogs, rabbits).
- R01HL-10612-08 0006 (CVB) BRAVERMAN, BERTON. Humoral factors in experimental heart failure—Control of deoxycorticosterone secretion (rabbits, bullfrogs).
- R01HL-10622-08 (CVB) SACKNER, MARVIN A, MOUNT SINAI HOSP OF GR MIAMI, 4300 ALTON ROAD, MIAMI BEACH, FLA. Volumes and compliance of pulmonary circulation (human, dogs).
- R01HL-10626-06 (PHRA) ROSS, GORDON, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Adrenergic responses of the splanchnic circulation (dogs).
- R01HL-10641-08 (HEM) DEYKIN, DANIEL, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVE, BOSTON, MASS. Role of platelet lipids in arterial thrombosis (human).
- R01HL-10642-14 (MET) GLOMSET, JOHN A, UNIVERSITY OF WASHINGTON, DEPT OF MEDICINE, SEATTLE, WASH. Plasma cholesterol metabolism (human, monkeys).
- R01HL-10696-09 (TEC) HARING, OLGA M, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10697-09 (TEC) DONOSO, EPHRAIM, MT SINAI SCHOOL OF MEDICINE, FIFTH AVE & 100TH STREET, NEW YORK, N Y. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10698-09 (TEC) ORBIF, ERNST, CONEY ISLAND HOSPITAL, OCEAN AND SHORE PARKWAYS, BROOKLYN, N Y. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10699-09 (TEC) HAFT, JACOB I, VETERANS ADMINISTRATION HOSP, 130 WEST KINGSBRIDGE RD, BRONX, N Y. Cooperative study of drugs and coronary heart disease (human).
- R01HL-10700-09 (TEC) MAURICE, GORDON I, PROVIDENCE HOSPITAL, 700 N E 47TH AVENUE, PORTLAND, OREG. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10701-09 (TEC) SEGAL, MARVIN S, MOUNT SINAI HOSPITAL, 2215 PARK AVENUE, MINNEAPOLIS, MINN. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10703-09 (TEC) LAZZARA, RALPH, 1201 N W 16TH STREET, 120 N W 16TH STREET, MIAMI, FLA. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10705-09 (TEC) SCHLANT, ROBERT C, EMORY UNIVERSITY, 69 BUTLER STREET, S E, ATLANTA, GA. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10707-09 (TEC) PYLE, RICHARD R, LOVELACE FDN FOR MED ED & RES, 5200 GIBSON BLVD, S E, ALBUQUERQUE, N MEX. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10708-08 (TEC) MOORE, CHARLES B, OCHSNER CLINIC, 1514 JEFFERSON HIGHWAY, NEW ORLEANS, LA. Cooperative study of drugs and coronary heart disease (human).
- R01HL-10709-09 (TEC) MORLEDGE, JOHN H, JACKSON FOUNDATION, 30 SOUTH HENRY STREET, MADISON, WIS. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10710-09 (TEC) LIEBOW, IRVING M, WEARN RESEARCH BUILDING, ROOM 241, 2064 ABINGTON ROAD, CLEVELAND, OHIO. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10711-08 (TEC) SMITH, WILLIAM M, U S PUBLIC HEALTH SERVICE HOSP, 15TH AVE & LAKE ST, SAN FRANCISCO, CALIF. Cooperative study of treatment of hypertension (human).
- R01HL-10712-08 (TEC) VAILLANCOURT, JOHN A, U S PUBLIC HEALTH SERVICE HOSP, 15TH AVE & LAKE ST, SAN FRANCISCO, CALIF. Cooperative study of treatment of hypertension (human).
- R01HL-10713-08 (TEC) URNER, CHRISTOPHER J, US PUBLIC HEALTH SERVICE HOSP, 210 STATE STREET, NEW ORLEANS, LA. Cooperative study of treatment of hypertension (human).
- R01HL-10715-08 (SRC) WILLS, ROBERT E, U S PUBLIC HEALTH SERVICE HOSP, P O BOX 3145, SEATTLE, WASH. Cooperative study of treatment of hypertension (human).
- R01HL-10716-08 (SRC) WARBASSE, J RICHARD, U S PUBLIC HEALTH SERVICE HOSP, 3100 WYMAN PARK DRIVE, BALTIMORE, MD. Cooperative study of treatment of hypertension (human).
- R01HL-10717-08 (TEC) THURM, RICHARD M, USPHS HOSPITAL, 77 WARREN STREET, BOSTON, MASS. Cooperative study of treatment of hypertension.
- R01HL-10713-09 (TEC) FREEDOM, ROBERT M, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Natural history of congenital heart defects—Joint study (human).
- R01HL-10770-09 (CVA) HADDY, FRANCIS J, MICHIGAN STATE UNIVERSITY, GLTNER HALL, EAST LANSING, MICH. Effect of cations, anions, and water upon blood vessels (dogs).
- R01HL-10781-08 (SGYA) GIANNELLI, STANLEY, JR, ST VINCENTS HOSP & MEDICAL CTR, 153 WEST 11TH STREET, NEW YORK, N Y. Physiology of human heart lung bypass (dogs).
- R01HL-10342-06 (PHRB) OATES, JOHN A, VANDERBILT UNIVERSITY, DEPT OF PHARMACOLOGY, NASHVILLE, TENN. Antihypertensive agents—Pharmacology (humans, animals).
- R01HL-10861-08 (PHY) WIEDERHIELM, CURT A, UNIVERSITY OF WASHINGTON, DEPT OF PHYSIOLOGY & BIOPHYSIC, SEATTLE, WASH. Microvascular research (bats, rabbits).
- R01HL-10869-08 (CVA) PRIOLA, DONALD V, UNIVERSITY OF NEW MEXICO, 915 STANFORD DRIVE, N E, ALBUQUERQUE, N MEX. Response of the denervated heart to drugs (rats, dogs).
- R01HL-10878-08 (MET) NICHOLS, ALEXANDER V, UNIVERSITY OF CALIFORNIA, DOWNER LABORATORY, BERKELEY, CALIF. Structure and function of serum lipoproteins (human).
- R01HL-10879-08 (PHY) SCOTT, JERRY B, MICHIGAN STATE UNIVERSITY, DEPT OF PHYSIOLOGY, EAST LANSING, MICH. Role of chemicals in local blood flow regulation (dogs).
- R01HL-10880-08 (HEM) DUKES, PETER P, CHILDRENS HOSP OF LOS ANGELES, P O BOX 54700, LOS ANGELES, CALIF. Purification of human erythropoietin for research use.
- R01HL-10881-08 (CVA) ZWEIFACH, BENJAMIN W, UNIVERSITY OF CALIFORNIA, POST OFFICE BOX 109, LA JOLLA, CALIF. Structure and function of microcirculation (hamsters, rats, cats, dogs).
- R01HL-10884-08 (PHRA) ASKARI, AMIR, CORNELL UNIVERSITY MEDICAL COL, 1300 YORK AVENUE, NEW YORK, N Y. Cardiac glycosides—Mechanisms of cellular action (human, animals).
- R01HL-10894-08 (GMA) MOSBACH, ERWIN H, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N Y. Role of intestinal bacteria in steroid metabolism (rats, human).
- R01HL-10897-09 (CVA) DE MELLO, WALMOR C, MEDICAL SCIENCES CAMPUS, DEPT OF PHARMACOLOGY, SAN JUAN, P R. Effects of hormones on cardiac electrogenesis (rabbits, guinea pigs).
- R01HL-10898-07 (SRC) WAGNER, JOSEPH A, BRYN MAWR HOSPITAL, BRYN MAWR MEDICAL BUILDING, BRYN MAWR, PA. Cooperative study of drugs and coronary heart disease (men).
- R01HL-10906-09 (TOX) PERRY, M MITCHELL, JR, WASHINGTON UNIVERSITY MED SERV, 915 N GRAND BLVD, ST LOUIS, MO. Toxicity to and pharmacology of hydralazine (human, rats, mice).
- R01HL-10907-08 (HEM) TAYLOR, FLETCHER B, JR, UNIVERSITY OF PENNSYLVANIA, 36TH AND HAMILTON WALK, PHILADELPHIA, PA. Activation of fibrinolytic system (human, rodents).
- R01HL-10912-09 (CVB) VAN MIEROP, LODEWYK H, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Development of the conduction system of the heart (chickens, mice).
- R01HL-10914-08 (GMB) PORUSH, JEROME G, BROOKDALE HOSP MEDICAL CTR, BROOKDALE PLAZA & LINDEN BLVD, BROOKLYN, N Y. Renal sodium transport in experimental aldosteronism (dogs).
- R01HL-10924-07 (CVB) RHODIN, JOHANNES A, NEW YORK MEDICAL COLLEGE, FIFTH AVE AND 106TH STREET, NEW YORK, N Y. Reactivity of normal and hypertensive microvasculature (rats, cats).
- R01HL-10927-09 (SGYA) STAHL, WILLIAM M, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N Y. Fluid regulation—Volume control (dogs).
- R01HL-10933-09 (NTN) ZILVERSMIT, DONALD B, CORNELL UNIVERSITY, 202 SAVAGE HALL, ITHACA, N Y. Fat metabolism and experimental atherosclerosis (rabbits, rats).
- R01HL-10935-06 (SGYB) DERRICK, JOHN R, UNIVERSITY OF TEXAS MED BRANCH, DIVISION OF THORACIC SURGERY, GALVESTON, TEX. Vasopressor action during hemorrhage and hyponatremia (human, dogs).
- R01HL-10936-08 (CVB) RENKIN, EUGENE M, DUKE UNIV MEDICAL CENTER, P O BOX 3709, DURHAM, N C. Capillary transport of large molecules (dogs).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1HL-10937-07 (SGYB) PATTERSON, RUSSEL M, JR, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Microembolic encephalopathy after heartlung bypass (dogs).	P01HL-11306-08 0099 (HEP) LESCH, MICHAEL Cardiovascular research program-Arteriovenous amino acid difference in the human heart.
RO1HL-10940-09 (MET) ZILVERSMIT, DONALD B, CORNELL UNIVERSITY, 202 SAVAGE HALL, ITHACA, N. Y. Lipid transport (rats, rabbits).	P01HL-11306-08 0100 (HEP) LESCH, MICHAEL Cardiovascular research program-Plasma amino acids following acute myocardial infarction (human).
RO1HL-10941-08 (TOX) ALLEN, JAMES R, DEPARTMENT OF PATHOLOGY, 470 NORTH CHARTER STREET, MADISON, WIS. Pathogenesis of hepatic veno-occlusive disease (monkeys, rats).	P01HL-11306-08 0101 (HEP) LESCH, MICHAEL Cardiovascular research program-Amino acid in hypertrophied and failing human heart.
RO1HL-10948-08 (HLS) JARCHO, SAUL, NEW YORK ACADEMY OF MEDICINE, 2 EAST 103RD STREET, NEW YORK, N. Y. Development of the concept of heart failure.	P01HL-11306-08 0102 (HEP) LESCH, MICHAEL Cardiovascular research program-Chronic dobutamine infusion in left ventricle failure.
RO1HL-10950-08 (MET) PHILLIPS, GERALD B, ROOSEVELT HOSPITAL, 428 WEST 59TH STREET, NEW YORK, N. Y. Estimation of individual phospholipids in human serum.	P01HL-11306-08 0103 (HEP) LESCH, MICHAEL Cardiovascular research program-Dobutamine and energetics of paraneural human heart.
RO1HL-10951-07 (CVB) LEVY, MATTHEW N, MT SINAI HOSPITAL OF CLEVELAND, 1800 E 105 STREET, CLEVELAND, OHIO. Reflex control of ventricular contractility (human, dogs).	P01HL-11306-08 0104 (HEP) SKELTON, C LYNN Cardiovascular research program-Mycardial contractility-Interactions between calcium and hydrogen ions (cats).
RO1HL-10980-08 (PTHA) SPARGO, BENJAMIN M, 950 EAST 59TH STREET, CHICAGO, ILL Ultrastructural renal pathology (human, rats).	P01HL-11306-08 0105 (HEP) SKELTON, C LYNN Cardiovascular research program-Dobutamine and contractility of isolated heart muscle.
RO1HL-10981-06 (SGYA) RAPATZ, GABRIEL L, CRYOBIOLOGY RESEARCH INST, ROUTE 5, BOX 137, MADISON, WIS. Cryopreservation of cardiac muscle and whole hearts (frogs, rats).	P01HL-11306-08 0106 (HEP) VERNICK, RICHARD T. Cardiovascular research program-Biochemistry of excitation-contraction coupling.
RO1HL-10988-09 (TEC) NIETTINEN, OLLI S, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Natural history of congenital heart defects-Joint study (human).	P01HL-11306-08 0108 (HEP) WRGLICKI, WILLIAM B. Cardiovascular research program-Mycardial organelle lipid structure and function.
RO1HL-10995-07 (CVB) PATTERSON, DONALD F, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Hereditary defects in cardiovascular development (dogs).	P01HL-11306-08 0109 (HEP) HOLMANN, B LEO Cardiovascular research program-Radiionucleid assessment of coronary artery disease.
RO1HL-11015-07 (GMB) PAGE, LOT B, NEWTON-WELLESLEY HOSPITAL, 2014 WASHINGTON STREET, NEWTON LOWER FALLS, MASS. Renin and angiotensin in hypertension and renal disease (rabbits, rats, human).	P01HL-11307-08 (HEP) SPACH, MADISON S, DUKE UNIVERSITY, SCHOOL OF MEDICINE, DURHAM, N. C. Biophysical studies in pediatric cardiology.
RO1HL-11038-08 (TEC) LARAMORE, WARD, VETERANS ADMINISTRATION HOSP, 1481 W 10TH STREET, INDIANAPOLIS, IND. Cooperative study of drugs and coronary heart disease (men).	P01HL-11307-08 0002 (HEP) SPACH, MADISON S. Biophysical studies in pediatric cardiology-Developmental electrophysiology (human, dogs).
RO1HL-11039-08 (TEC) MC CAUGHAN, DONALD, VETERANS ADMINISTRATION HOSP, 1400 VETERANS-FOREIGN WAR PKY, WEST ROXBURY, MASS. Cooperative study of drugs and coronary heart disease (men).	P01HL-11307-08 0003 (HEP) JOHNSON, E. A. Biophysical studies in pediatric cardiology-Cellular biophysics.
RO1HL-11040-08 (TEC) OBLATH, ROBERT W, SAINT JOSEPH MEDICAL CENTER, 501 SOUTH BUENA VISTA, BURBANK, CALIF. Cooperative study of drugs and coronary heart disease (men).	P01HL-11307-08 0006 (HEP) BARR, ROGER, C. Biophysical studies in pediatric cardiology-Computer science (human, dogs).
RO1HL-11046-08 (CVB) BIGLIERI, EDWARD G, SAN FRANCISCO GENERAL HOSPITAL, 1001 POTRERO AVE, SAN FRANCISCO, CALIF. Renin, angiotensin, steroids, ions and blood pressure (human, sheep, rabbits).	P01HL-11307-08 0007 (HEP) PINKINGTON, THEO G. Biophysical studies in pediatric cardiology-Biomedical engineering.
RO1HL-11047-08 (HEM) MURPHY, SCOTT, PRESBYTERIAN-UNIV OF PA, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Platelet preservation and physiology (human).	P01HL-11310-08 (HEP) JAMES, THOMAS N, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE, SOUTH, BIRMINGHAM, ALA. Mechanisms of cardiovascular disease.
RO1HL-11063-08 (TEC) GAZES, PETER C, UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Cooperative study of drugs and coronary heart disease (men).	P01HL-11310-08 0015 (HEP) KIRKLIN, JOHN W. Mechanisms of cardiovascular disease-Subsystem function after intracardiac surgery-Heart function (human, animals).
RO1HL-11114-07 (PTHA) BARAJAS, LUCIANO, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Electron microscopy of the juxtaglomerular apparatus (rats, rabbits).	P01HL-11310-08 0016 (HEP) KOUCHOUKOS, NICHOLAS T. Mechanisms of cardiovascular disease-Subsystem function after intracardiac surgery-Transposition (human, dogs).
RO1HL-11115-08 (TEC) HUTCHINSON, RICHARD G, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Cooperative study of drugs and coronary heart disease (men).	P01HL-11310-08 0017 (HEP) KIRKLAND, JOHN W. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Ventricular volumes (human).
RO1HL-11116-08 (TEC) GARCIA-PALMERI, MARIO R, UNIVERSITY OF PUERTO RICO, DEPT OF MEDICINE, BOX 5067, SAN JUAN, P. R. Cooperative study of drugs and coronary heart disease (men).	P01HL-11310-08 0018 (HEP) KOUCHOUKOS, NICHOLAS T. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Pressure and volume (human).
RO1HL-11119-13 (BIO) MARGOLASH, EMANUEL, NORTHWESTERN UNIVERSITY, DEPT OF BIOLOGICAL SCIS & CHEM, EVANSTON, ILL. Amino acid analyzer for biochemical research (bacteria, mammals nonhuman).	P01HL-11310-08 0019 (HEP) PAGUIERO, KEITH M. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Extracorporeal circulation.
RO1HL-11152-08 (CVB) SOBIN, SIDNEY S, 1200 NORTH STATE ST, BOX 1800, LOS ANGELES, CALIF. Vascular physiology (human, cats, dogs, goats).	P01HL-11310-08 0020 (HEP) PAGUIERO, KEITH M. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Aortic valve surgery (human).
RO1HL-11153-08 (CVB) FRASHER, WALLACE G, JR, UNIV OF SOUTHERN CALIFORNIA, 1200 N STATE STREET, BOX 1800, LOS ANGELES, CALIF. Blood flow in small tubes and the microcirculation (cats).	P01HL-11310-08 0021 (HEP) PAGUIERO, KEITH M. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Isoenzyme patterns (human).
RO1HL-11154-08 (HEM) GREENWALT, TIBOR J, AMERICAN NATIONAL RED CROSS, NATIONAL HEADQUARTERS, WASHINGTON, D. C. Blood group antigens and antibodies (human).	P01HL-11310-08 0022 (HEP) KIRKLIN, JOHN W. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Oxygen consumption (human).
RO1HL-11155-08 (PHY) SPERELAKIS, NICK, UNIVERSITY OF VIRGINIA, DEPARTMENT OF PHYSIOLOGY, CHARLOTTESVILLE, VA. Conduction in the myocardium (animals).	P01HL-11310-08 0023 (HEP) SHEPPARD, LOUIS C. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Automated care (infants).
RO1HL-11172-08 (HEM) KLINE, DANIEL L, UN CINCINNATI COLLEGE OF MEDIC, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Physiology and biochemistry of fibrinolytic enzymes (cats).	P01HL-11310-08 0024 (HEP) ARCHIE, JOSEPH P. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Coronary flow (dogs).
RO1HL-11201-08 (PC) WILSON, IRWIN B, UNIVERSITY OF COLORADO, DEPARTMENT OF CHEMISTRY, BOULDER, COLO. The enzymology of angiotensin production (human, swine).	P01HL-11310-08 0025 (HEP) ARCHIE, JOSEPH P. Mechanisms of cardiovascular disease-Organ subsystem function after intracardiac surgery-Myocardial edema (human).
RO1HL-11274-07 (MCHB) COUNSELL, RAYMOND B, UNIVERSITY OF MICHIGAN, COLLEGE OF PHARMACY, ANN ARBOR, MICH. Regulators of catecholamine and steroid biosynthesis.	P01HL-11310-08 0026 (HEP) JAMES, THOMAS N. Mechanisms of cardiovascular disease-Lipoprotein research.
RO1HL-11289-08 (CVA) DAVIDS, NORMAN, PENNSYLVANIA STATE UNIVERSITY, DEPT OF ENGINEERING MECHANICS, UNIVERSITY PARK, PA. Analysis of stress in pulsatile dynamics.	P01HL-11310-08 0027 (HEP) JAMES, THOMAS N. Mechanisms of cardiovascular disease-Coronary arteriography-Exercise physiology (human).
RO1HL-11293-08 (GMB) RAPP, JOHN P, PENROSE RESEARCH LABORATORY, 34TH ST AND GIRARD AVE, PHILADELPHIA, PA. Biochemical problems with aldosterone and DOC (rats, mice).	P01HL-11310-08 0028 (HEP) JAMES, THOMAS N. Mechanisms of cardiovascular disease-Clinical trials and epidemiology coordinating office.
P01HL-11306-08 (HEP) GORLIN, RICHARD, PETER BENT BRIGHAM HOSP, 721 HUNTINGTON AVENUE, BOSTON, MASS. Cardiovascular research program.	P01HL-11310-08 0029 (HEP) RACKLEY, CHARLES E. Mechanisms of cardiovascular disease-Myocardial function in cardiovascular disease (human, dogs).
P01HL-11306-08 0034 (HEP) SONNENBUCK, EDMUND. Cardiovascular research program-Cardiac muscle mechanics (mammals nonhuman).	P01HL-11310-08 0030 (HEP) HEPNER, LLOYD L. Mechanisms of cardiovascular disease-Cardiac muscle (cats, rabbits).
P01HL-11306-08 0030 (HEP) SONNENBUCK, EDMUND. Cardiovascular research program-Ultrastructural basis of contractility (cats).	P01HL-11310-08 0031 (HEP) HEPNER, LLOYD L. Mechanisms of cardiovascular disease-Experimental animal laboratory (dogs).
P01HL-11306-08 0085 (HEP) FABIATO, ALEX. Cardiovascular research program-Physiology of activation in intact and fragmented cells.	P01HL-11310-08 0032 (HEP) JAMES THOMAS N. Mechanisms of cardiovascular disease-Structure and function of the heart (human, dogs).
P01HL-11306-08 0090 (HEP) KIRK, EDWARD S. Cardiovascular research program-Coronary artery bypass surgery.	P01HL-11310-08 0033 (HEP) EDDLEMAN, E. E. SR. Mechanisms of cardiovascular disease-Noninvasive techniques for cardiovascular diagnosis (human).
P01HL-11306-08 0092 (HEP) KIRK, EDWARD S. Cardiovascular research program-Physiology of coronary blood flow (animals).	P01HL-11310-08 0034 (HEP) SHEPPARD, L THOMAS. Mechanisms of cardiovascular disease-Exercise electrophysiology (human).
	P01HL-11310-08 0035 (HEP) MOLT, JOHN H. Mechanisms of cardiovascular disease-Multiple dipole electrocardiogram (human, dogs).
	P01HL-11310-08 0036 (HEP) WILLEM, KLIP. Mechanisms of cardiovascular disease-Physics of pulsatile fluid flow (dogs).
	P01HL-11310-08 0037 (HEP) WILLEM, KLIP. Mechanisms of cardiovascular disease-Cardiovascular biophysics.
	P01HL-11310-08 0038 (HEP) BENNETT, J CLAUDE. Mechanisms of cardiovascular disease-Participation of complement in acute inflammation (human, animals).
	P01HL-11310-08 0039 (HEP) BENNETT, J CLAUDE. Mechanisms of cardiovascular disease-Biochemistry of the macromolecules of vascular tissue (chicks, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1HL-11310-08 0040 (HEP) BENNETT, J CLAUDE. Mechanisms of cardiovascular disease-Trace metals in cardiovascular disease (human, swine).

PO1HL-11310-08 0041 (HEP) BENNETT, J CLAUDE. Mechanisms of cardiovascular disease-Structure and metabolism of proteoglycans (human, rabbits).

PO1HL-11310-08 0042 (HEP) URRY, DAN W. Mechanisms of cardiovascular disease-Conformations and molecular associations within the arterial wall (human, dogs).

PO1HL-11310-08 0043 (HEP) URRY, DAN W. Mechanisms of cardiovascular disease-Molecular biophysics.

PO1HL-11310-08 0044 (HEP) WALDO, ALBERT L. Mechanisms of cardiovascular disease-Clinical and experimental electrophysiology of the heart (human, dogs).

RO1HL-11312-08 (TEC) BERK, NATHANIEL G, SIDNEY HILLMAN MEDICAL CENTER, 2116 CHESTNUT STREET, PHILADELPHIA, PA. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11322-08 (TEC) GRISSOM, ROBERT L, UNIVERSITY OF NEBRASKA, 42ND & DEWEY AVENUE, OMAHA, NEBR. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11325-07 (CVB) SIMONSON, ERNST, MOUNT SINAI HOSPITAL, 2215 PARK AVENUE, MINNEAPOLIS, MINN. Spatial electrocardiographic vector (human).

PO1HL-11351-08 (HEP) MOMMAERTS, WILFRIED F, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Molecular, cellular, and physiological investigations.

RO1HL-11369-08 (TEC) SCOTT, RALPH C, UNIVERSITY OF CINCINNATI, 234 GOODMAN STREET, CINCINNATI, OHIO. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11370-08 (TEC) CANOSA, FRANK L, MIAMI HEART INSTITUTE, INC, 4701 NORTH MERIDIAN AVENUE, MIAMI BEACH, FLA. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11372-08 (TEC) LAUBACH, CHARLES A, JR, GEISINGER MEDICAL CENTER, INST OF MED EDUC & RESEARCH, DANVILLE, PA. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11373-08 (TEC) COLE, RALPH E, MEDICAL ASSOCIATES RES FDM, 17 WILSON STREET, CHELMSFORD, MASS. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11374-08 (TEC) PROUT, THADDEUS E, GREATER BALTIMORE MEDICAL CTR, 6701 N CHARLES STREET, BALTIMORE, MD. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11375-08 (TEC) SACHS, BERNARD A, MONTEFIORE HOSP & MEDICAL CTR, 111 EAST 210TH STREET, BRONX, N Y. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11376-08 (TEC) THEILEN, ERNEST O, UNIVERSITY OF IOWA HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11377-08 (TEC) WILLIAMS, C BASH, OGDEN RESEARCH FOUNDATION, 2955 HARRISON BOULEVARD, OGDEN, UTAH. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11379-06 (SGYB) WESOLOWSKI, SIGMUND A, MERCY HOSPITAL, 1000 NORTH VILLAGE AVENUE, ROCKVILLE CENTRE, N Y. Blood vessel replacement-Development and screening (human, dogs).

RO1HL-11380-08 (TEC) HERBERT, STEPHEN J, U S PUBLIC HEALTH SERVICE HOSP, 210 STATE STREET, NEW ORLEANS, LA. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11391-07 (SGYA) HERSHEY, SOLOMON G, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Experimental basis for shock therapy(rats, human).

RO1HL-11409-07 (HEM) MOSESSON, MICHAEL W, S U N Y-DOWNSTATE MEDICAL CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Structure and metabolism of fibrinogen (human, rabbits).

RO1HL-11411-07 (CVB) HANSON, KENNETH M, OHIO STATE UNIVERSITY, 333 W TENTH AVENUE, COLUMBUS, OHIO. Intra-hepatic control of liver blood flow (dogs).

PO1HL-11414-07 (HEP) SALZMAN, EDWIN W, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Thrombosis and atherosclerosis program.

PO1HL-11414-07 0001 (HEP) FREIMAN, DAVID G. Thrombosis and atherosclerosis program-Initiation of thrombosis (human, rats).

PO1HL-11414-07 0002 (HEP) DEYKIN, DANIEL. Thrombosis and atherosclerosis program-Metabolism of lipids by human platelets.

PO1HL-11414-07 0004 (HEP) SALZMAN, EDWIN W. Thrombosis and atherosclerosis program-Platelet function and nonthrombogenic surfaces (human).

PO1HL-11414-07 0005 (HEP) DEYKIN, DANIEL. Thrombosis and atherosclerosis program-Cellular clearance mechanisms in the removal of activated procoagulants.

PO1HL-11414-07 0006 (HEP) WINNER, BERTRAM. Thrombosis and atherosclerosis program-The role of renin in the maintenance of blood pressure (dogs).

PO1HL-11414-07 0011 (HEP) MORKIN, EUGENE. Thrombosis and atherosclerosis program-Contractile proteins in cardiac hypertrophy (rabbits).

PO1HL-11414-07 0014 (HEP) SPARK, RICHARD F. Thrombosis and atherosclerosis program-Role of adrenal in human essential hypertension.

PO1HL-11414-07 0016 (HEP) ROSENBERG, ROBERT D. Thrombosis and atherosclerosis program-Mechanism of action and physiological role of human antithrombin.

PO1HL-11414-07 0017 (HEP) ROSENBERG, ROBERT D. Thrombosis and atherosclerosis program-Radioimmunoassay for hypercoagulability.

PO1HL-11414-07 0018 (HEP) FREIMAN, DAVID G. Thrombosis and atherosclerosis program-Pathogenesis of pulmonary infarction (dogs).

PO1HL-11414-07 0019 (HEP) DAVIDOFF, FRANK. Thrombosis and atherosclerosis program-Control of metabolism by metal cation environment.

PO1HL-11414-07 0020 (HEP) WEINTRAUB, RONALD M. Thrombosis and atherosclerosis program-Bronchial muscular tone during cardiopulmonary bypass (dogs).

PO1HL-11414-07 0021 (HEP) FRAZIER, HOWARD S. Thrombosis and atherosclerosis program-Selectivity of ion transport (human, dogs).

PO1HL-11414-07 0022 (HEP) SKILLMAN, JOHN J. Thrombosis and atherosclerosis program-Extravascular albumin content in human tissue.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1HL-11414-07 0023 (HEP) LARAIA, PAUL J. Thrombosis and atherosclerosis program-Cyclic AMP system controlling myocardial function (hamster).

PO1HL-11414-07 0024 (HEP) PAULIN, SVEN. Thrombosis and atherosclerosis program-Radiographic demonstration of small coronary arteries (human, dogs).

PO1HL-11414-07 0025 (HEP) MORKIN, EUGENE. Thrombosis and atherosclerosis program-Coronary heart disease.

PO1HL-11414-07 0026 (HEP) EPSTEIN, FRANKLIN H. Thrombosis and atherosclerosis program-Platelets in maintenance of endothelial integrity (rats).

PO1HL-11414-07 0027 (HEP) SIMON, MORRIS. Thrombosis and atherosclerosis program-Thermal-Memory wire filter to prevent pulmonary embolism (human, dogs).

PO1HL-11414-07 0028 (HEP) LANDSBERG, LEWIS. Thrombosis and atherosclerosis program-Catecholamine metabolism in the lung (rats).

RO1HL-11428-06 (CVA) NAVAR, LUIS G, UNIVERSITY MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MISS. Regulation of renal hemodynamics (dogs).

RO1HL-11432-06 (HEB) JAFFEE, OSCAR C, UNIVERSITY OF DAYTON, 300 COLLEGE PARK AVENUE, DAYTON, OHIO. Hemodynamic factors in cardiac development (turtles, chick embryo).

RO1HL-11445-06 (GEN) BOWEN, SARANE T, CALIF ST UNIV, SAN FRANCISCO, 1600 HOLLOWAY AVENUE, SAN FRANCISCO, CALIF. Genetic regulation of hemoglobin synthesis in *Artemia*.

RO1HL-11448-07 (BIO) MARTINEZ-CARRION, MARINO, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. Isozymes of heart glutamate aspartate transaminase (swine, chicks).

RO1HL-11458-08 (TEC) GILBERT, FRED I, JR, 888 SOUTH KING STREET, HONOLULU, HAWAII. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11470-08 (HEM) WESSLER, STANFORD, JEWISH HOSPITAL OF ST LOUIS, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Thrombogenesis and hemostatic balance (rabbits, human).

RO1HL-11472-08 (SGYA) VEITH, FRANK J, MONTEFIORE HOSP & MED CTR, 111 EAST 210 STREET, BRONX, N Y. Venovenous pump-oxygenator bypass (dogs, human, cats).

RO1HL-11477-07 (CVB) TAYLOR, AUBREY E, UNIVERSITY OF MISSISSIPPI, 2500 N STATE STREET, JACKSON, MISS. Transport across the alveolar capillary membrane (dogs, sheep).

RO1HL-11439-07 (MCHB) HORTON, DEREK, OHIO STATE UNIVERSITY, 140 WEST 18TH AVENUE, COLUMBUS, OHIO. Structural investigations on glycosaminoglycans.

RO1HL-11492-07 (ET) BACK, NATHAN, S U N Y - SCHOOL OF PHARMACY, 180 RACE STREET, ROOM B-107, BUFFALO, N Y. Vasoeactive regulators in tumor tissue (human, rodents, dogs).

RO1HL-11511-06 (BACA) LISTOWSKY, IRVING, ALBERT EINSTEIN COLLEGE OF MED, DEPT OF BIOCHEMISTRY, BRONX, N Y. Conformation of ferritin and apoferritin in solution (horse, rat, human).

RO1HL-11533-07 (CVA) COHN, JAY N, VETERANS ADMINISTRATION HOSP, 50 IRVING STREET, N W, WASHINGTON, D C. Splanchnic hemodynamics in man.

RO1HL-11534-07 (CVA) MORGAN, HOWARD E, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Mechanism of cardiac hypertrophy (rats).

RO1HL-11551-07 (PC) FLORINI, JAMES R, SYRACUSE UNIVERSITY, 209 LYMAN HALL, SYRACUSE, N Y. RNA and protein synthesis in repair of heart injury (mice).

RO1HL-11552-07 (PC) HANAHAN, DONALD J, ARIZONA MEDICAL CENTER, 1501 N CAMPBELL AVENUE, TUCSON, ARIZ. Lipids and proteins in coagulation and myelination (human, rats, cattle).

RO1HL-11553-06 (PC) HOLMQUIST, W RICHARD, SPACE SCIENCES LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Chemistry of electron-transfer proteins (mammals).

RO1HL-11614-07 (NTN) O'DELL, BOYD L, UNIVERSITY OF MISSOURI, 105 SCHWEITZER HALL, COLUMBIA, MO. Trace elements in nutrition (chickens, rats).

RO1HL-11654-08 (TEC) LEVINE, SIDNEY A, MELROSE-WAKEFIELD HOSP ASSN, 585 LEBANON STREET, MELROSE, MASS. Cooperative study of drugs and coronary heart disease (human).

RO1HL-11655-08 (TEC) MATTHEWS, LOUIS B, HITCHCOCK CLINIC, 2 MAYNARD STREET, HANOVER, N H. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11657-08 (TEC) ERSHLER, IRVING, UNIVERSITY OF UTAH, DEPT OF CMNTY & FAMILY MED, SALT LAKE CITY, UTAH. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11660-08 (TEC) COOPER, ELMER E, 505 HOWARD STREET, SAN ANTONIO, TEX. Cooperative study of drugs and coronary heart disease (men).

RO1HL-11661-08 (TEC) BARKER, ALLAN M, 333 SOUTH - 9TH EAST, SALT LAKE CITY, UTAH. Cooperative study of drugs and coronary heart disease (men).

PO1HL-11662-07 (HEP) SELDIN, DONALD W, UNIV OF TEXAS SW MED SCHOOL, 5323 HARRY HINES BLVD, DALLAS, TEX. Regulation of fluid, electrolyte and acid-base balance.

PO1HL-11662-07 0001 (HEP) ISRAELIT, ARNOLD. Regulation of fluid, electrolyte and acid-base balance-Micropuncture (rats).

PO1HL-11662-07 0002 (HEP) KOKKO, J P. Regulation of fluid, electrolyte and acid-base balance-Micropuncture of isolated tubules (dogs, rats, rabbits).

PO1HL-11662-07 0004 (HEP) CARTER, NORMAN W. Regulation of fluid, electrolyte and acid-base balance-Measurement of intracellular pH (rats, barnacles, frogs, dogs).

PO1HL-11662-07 0005 (HEP) LONG, DEWEY L. Regulation of fluid, electrolyte and acid-base balance-Dog clearance studies (dogs).

PO1HL-11662-07 0006 (HEP) HULL, ALAN R. Regulation of fluid, electrolyte and acid-base balance-Patient studies.

PO1HL-11662-07 0007 (HEP) LONG, DEWEY L. Regulation of fluid, electrolyte and acid-base balance-Minoxidil study (human).

RO1HL-11663-08 (TEC) SAMUEL, PAUL, L I JEWISH-HILLSIDE MED CTR, 82-68 164TH STREET, JAMAICA, N Y. Cooperative study of drugs and coronary heart disease (men).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HL-11665-08 (CVA) POZZARD, HARRY A. UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Mechanism of heart beat (sheep, dogs).
- RO1HL-11668-07 (SGYB) ABRAMS, HERBERT L. HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Cineangiographic studies of the cardiovascular system.
- RO1HL-11668-07 0001 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Measurement of coronary blood flow (human, dogs).
- RO1HL-11668-07 0002 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Development of velocity profile for coronary artery branches (dogs).
- RO1HL-11668-07 0003 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Myocardial toxicity of contrast agents (dogs).
- RO1HL-11668-07 0007 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Changes in ventricular volume and contractility after cardiac surgery (human, dog).
- RO1HL-11668-07 0008 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Renovascular response to vasoconstrictors and vasodilators in oliguric dog.
- RO1HL-11668-07 0011 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Collateral circulation in kidney (dogs).
- RO1HL-11668-07 0015 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Effect of vasodilators in renal disease and hypertension (human).
- RO1HL-11668-07 0019 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Effect of mitral valvulotomy on mitral regurgitant flow (dogs).
- RO1HL-11668-07 0020 (SGYB) ABRAMS, HERBERT L. Cineangiographic studies of the cardiovascular system—Mediators of acute renal failure (dogs).
- PO1HL-11678-07 (HEP) GUYTON, ARTHUR C. UNIV OF MISSISSIPPI SCH OF MED, 2500 NORTH STATE STREET, JACKSON, MISS. Cardiovascular dynamics and their control.
- PO1HL-11678-07 0001 (HEP) MANNING, R. DAVIS. Cardiovascular dynamics and their control—Salt and water in experimental hypertension (dogs).
- PO1HL-11678-07 0002 (HEP) NAVAR LUIS G. Cardiovascular dynamics and their control—Quantitative analysis of renal function (dogs).
- PO1HL-11678-07 0003 (HEP) GRANGER, HARRIS J. Cardiovascular dynamics and their control—Whole body autoregulation (dogs).
- PO1HL-11678-07 0009 (HEP) MILHORN HOWARD T. Cardiovascular dynamics and their control—Control of respiration.
- PO1HL-11678-07 0012 (HEP) COWLEY, ALLEN W. Cardiovascular dynamics and their control—Control of arterial pressure in chronically denervated dogs.
- PO1HL-11678-07 0016 (HEP) GRANGER, HARRIS J. Cardiovascular dynamics and their control—Properties of interstitium.
- PO1HL-11678-07 0017 (HEP) GUYTON, ARTHUR C. Cardiovascular dynamics and their control—Overall control of circulation.
- PO1HL-11678-07 0020 (HEP) JONES, CARL E. Cardiovascular dynamics and their control—Cardiac function and myocardial metabolism (dogs).
- PO1HL-11678-07 0021 (HEP) COLEMAN, THOMAS G. Cardiovascular dynamics and their control—Basic mechanisms of hypertension in nephrectomized man.
- PO1HL-11678-07 0022 (HEP) COWLEY, ALLEN W. Cardiovascular dynamics and their control—Salt loading hypertension in baroreceptor denervated dogs.
- PO1HL-11678-07 0023 (HEP) COWLEY, ALLEN W. Cardiovascular dynamics and their control—Hypertension caused by infusion of angiotensin (dogs).
- PO1HL-11678-07 0024 (HEP) COWLEY, ALLEN W. Cardiovascular dynamics and their control—Renal function and infusion of angiotensin into renal artery (dogs).
- PO1HL-11678-07 0025 (HEP) FAGARD, ROBERT. Cardiovascular dynamics and their control—Analysis of hypertension caused by microsphere embolization of glomeruli.
- PO1HL-11678-07 0026 (HEP) COWLEY, ALLEN W. Cardiovascular dynamics and their control—Development of a radioimmunoassay method for plasma ADH.
- PO1HL-11678-07 0027 (HEP) COWLEY, ALLEN W. Cardiovascular dynamics and their control—Role of ADH in arterial pressure control (dogs).
- PO1HL-11678-07 0028 (HEP) COLEMAN, THOMAS G. Cardiovascular dynamics and their control—Method for recording pulsatile arterial pressure by a noninvasive technique.
- PO1HL-11678-07 0029 (HEP) LIARD, JEAN-FRANCOIS. Cardiovascular dynamics and their control—Basic pressor mechanisms in Goldblatt hypertension.
- PO1HL-11678-07 0030 (HEP) COLEMAN, THOMAS G. Cardiovascular dynamics and their control—Fluid volume loading and renin-angiotensin system in Goldblatt hypertensive rats.
- PO1HL-11678-07 0031 (HEP) NORMAN, ROGER A. JR. Cardiovascular dynamics and their control—Body fluid volume versus changes in body sodium in causing hypertension (sheep).
- PO1HL-11678-07 0032 (HEP) NORMAN, ROGER A. JR. Cardiovascular dynamics and their control—Mechanism of DOCA escape (dogs).
- PO1HL-11678-07 0033 (HEP) NAVAR, LUIS G. Cardiovascular dynamics and their control—Analysis of renal dynamics (rats).
- PO1HL-11678-07 0034 (HEP) DECLUE, JAMES W. Cardiovascular dynamics and their control—Renal function curves in intact dogs.
- PO1HL-11678-07 0035 (HEP) GRANGER, HARRIS J. Cardiovascular dynamics and their control—Interstitial fluid dynamics and edema (dogs).
- PO1HL-11678-07 0036 (HEP) TAYLOR, AUBREY E. Cardiovascular dynamics and their control—Pulmonary capillary dynamics and edema (animals).
- PO1HL-11678-07 0037 (HEP) GOODMAN, ANTHONY H. Cardiovascular dynamics and their control—Television system for measuring capillary blood flow.
- PO1HL-11678-07 0038 (HEP) MORTILARO, NICHOLAS A. Cardiovascular dynamics and their control—Capillary and interstitial fluid dynamics of the gut (animals).
- PO1HL-11678-07 0039 (HEP) TAYLOR, AUBREY E. Cardiovascular dynamics and their control—Regulation of lymph flow (dogs).
- PO1HL-11678-07 0040 (HEP) YOUNG, DAVID B. Cardiovascular dynamics and their control—Control of body fluid volumes.
- PO1HL-11678-07 0041 (HEP) CROWELL, JACK W. Cardiovascular dynamics and their control—Oxygen delivery to tissues in shock (animals).
- PO1HL-11678-07 0042 (HEP) JONES, CARL E. Cardiovascular dynamics and their control—Myocardial failure and myocardial muscle mechanics (animals).
- PO1HL-11678-07 0043 (HEP) CROWELL, JACK W. Cardiovascular dynamics and their control—Basic mechanisms of circulatory shock (animals).
- PO1HL-11678-07 0044 (HEP) COLEMAN, THOMAS G. Cardiovascular dynamics and their control—Core computing facilities and development of computer techniques.
- RO1HL-11680-06 (PC) DU VIGNEAUD, VINCENT, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N. Y. Amino acids, polypeptides and related compounds (rats).
- RO1HL-11686-06 (HEM) TAKEDA, YASUHIKO, UNIVERSITY OF COLORADO MEDICAL, 4200 EAST 9TH AVENUE, DENVER, COLO. Dynamics of thrombus formation and dissolution (dogs).
- RO1HL-11688-07 (CVA) MAEYE, RICHARD L. PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Vascular factors in hemodynamic regulation (human).
- RO1HL-11717-06 (CVA) YOUNG, DONALD F. IOWA STATE UNIVERSITY, DEPARTMENT OF ENGR MECHANICS, AMES, IOWA. Effect of stenotic obstructions on flow in arteries (dogs).
- RO1HL-11730-06 (SGYB) HARDY, JAMES D. UNIV OF MISS MEDICAL CTR, 2500 NORTH STATE STREET, JACKSON, MISS. Lung homotransplantation (dogs).
- RO1HL-11768-06 (MCHB) BOOTS, MARVIN R. VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Hypocholesterolemic agents—A biochemical approach (yeast, rats).
- RO1HL-11771-06 (PHRA) NEEDLEMAN, PHILIP, WASHINGTON UNIVERSITY MED SCH, 660 SOUTH EUCLID, ST LOUIS, MO. Mechanism of action and metabolism of organic nitrates (human, dogs, rats).
- RO1HL-11774-06 (EDC) SIGEL, BERNARD, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Clinical and ultrasonic study of venous disease (human).
- RO1HL-11775-07 (HEM) HARKER, LAURENCE A. UNIVERSITY OF WASHINGTON, DIVISION OF HEMATOLOGY, RM-10, SEATTLE, WASH. Thrombopoiesis (human, primates).
- RO1HL-11780-06 (CVB) SMITH, BLVIN E. UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Prevention of energy base depletion in cardiac arrest (dogs).
- RO1HL-11802-07 (SGYA) HYMAN, ALBERT L. TULANE UNIVERSITY SCH OF MED, 1430 TULANE AVENUE, NEW ORLEANS, LA. Cardiovascular surgical research (dogs).
- RO1HL-11822-06 (BBCB) MASCHMEYER, RUDY H. CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N. Y. Biophysical studies on macromolecular interactions (microorganism, plant, mammal).
- RO1HL-11857-07 (HEM) DAVIS, EARL W. UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Mechanism of blood coagulation (human, cattle).
- RO1HL-11876-07 (CVB) GRIGGS, DOUGLAS M. JR. UNIVERSITY OF MISSOURI, SCHOOL OF MEDICINE, COLUMBIA, MO. Coronary resistance and cardiac metabolism (dogs).
- RO1HL-11880-06 (HEM) WHITE, JAMES G. UNIVERSITY OF MINNESOTA, BOX 479 - MAYO MEMORIAL, MINNEAPOLIS, MINN. Total body irradiation and transplantation (human).
- RO1HL-11884-05 (AFY) KRUMHOLZ, RICHARD A. COX HEART INSTITUTE, 3525 SOUTHERN BLVD, DAYTON, OHIO. Work function after myocardial infarction (human).
- RO1HL-11897-07 (PTHA) GEEB, JACK C. OHIO STATE UNIVERSITY, 333 W 10TH AVENUE, COLUMBUS, OHIO. Pathogenesis of coronary atherosclerosis (human).
- RO1HL-11898-07 (SRC) PRINEAS, RONALD J. UNIV OF MINNEAPOLIS, STADNUM GATE 27, MINNEAPOLIS, MINN. Cooperative study of drugs and coronary heart disease.
- RO1HL-11901-07 (SGYB) BUCHWALD, HENRY, UNIVERSITY OF MINNESOTA HOSP, BOX 290, MINNEAPOLIS, MINN. Ileal bypass effect on cholesterol and atherosclerosis.
- RO1HL-11901-07 0001 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Clinical ileal bypass program.
- RO1HL-11901-07 0034 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Bile acid metabolism (rabbits, rats).
- RO1HL-11901-07 0006 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Drug therapy with ileal bypass (rabbits).
- RO1HL-11901-07 0008 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Bypass surgery to obese hypolipidemics (human).
- RO1HL-11901-07 0009 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Cholesterol cord blood and family management program.
- RO1HL-11901-07 0010 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Isolated heart rabbit study.
- RO1HL-11901-07 0011 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Effect of high blood cholesterol on oxygen delivery (rabbits).
- RO1HL-11901-07 0012 (SGYB) BUCHWALD, HENRY. Ileal bypass effect on cholesterol and atherosclerosis—Construction of an atherosclerotic model.
- RO1HL-11906-07 (CVB) WHALEN, WILLIAM J. RESEARCH DEPARTMENT, 2351 EAST 22ND STREET, CLEVELAND, OHIO. Comparative study of heart function (guinea pigs).
- RO1HL-11907-06 (CVA) WASSERMAN, KARLMAN, HARBOR GENERAL HOSPITAL, 1000 W CARSON STREET, TORRANCE, CALIF. Mechanisms of physiological responses to exercise (human, dogs).
- RO1HL-11919-07 (SGYA) WILCOX, BENSON R. UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF SURGERY, CHAPEL HILL, N. C. Pulmonary circulation in surgical heart disease (human, dogs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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R01HL-11945-07 (SGYB) GALLETI, PIERRE M, BROWN UNIVERSITY, BOX G, PROVIDENCE, R I. Synthesis of artificial lung and kidney systems (dogs, sheep).

R01HL-11963-06 (PTHA) SANDBERG, LAWRENCE B, UNIVERSITY OF UTAH, DEPARTMENT OF SURGERY, SALT LAKE CITY, UTAH. Biochemistry of blood vessel formation and disease (swine).

R01HL-11978-06 (CVA) REYNOLDS, LESLIE B, JR, UNIVERSITY OF TENNESSEE MED UN, 800 MADISON AVENUE, MEMPHIS, TENN. Reflexes in regulation of respiration (cats).

R01HL-11982-06 (CVB) KRASNEY, JOHN A, ALBANY MEDICAL COLLEGE, NEW SCOTLAND AVENUE, ALBANY, N Y. Mechanisms of cardiovascular response to anoxia (dogs).

R01HL-11984-06 (CVB) BLAUFOX, MORTON D, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Renal blood flow and renin secretion in hypertension (human, rats).

R01HL-11987-06 (CVB) RANDALL, HOWARD M, LA STATE UNIVERSITY MED CTR, 1100 FLORIDA AVE, NEW ORLEANS, LA. Metabolic and functional effects of renal ischemia (dogs).

R01HL-12011-07 (CVA) RENZETTI, ATTILIO D, JR, UNIV OF UTAH MEDICAL CENTER, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Regional lung expansion (human).

R01HL-12038-07 (AFY) RAWSON, ROBERT O, JOHN B PIERCE FOUNDATION LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Vascular responses to heat (cats, sheep).

R01HL-12083-07 (CVA) ATABEK, BULENT H, CATHOLIC UNIV OF AMERICA, DEPT AEROSPACE & ATMOSP SCIS, WASHINGTON, D C. Flow field in aorta and its major branches (dogs).

R01HL-12090-07 (CVB) REMDER, KAI, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Alveolar ventilation in anesthetized man.

R01HL-12137-06 (AMT) ALADJEM, FREDERICK, USC SCHOOL OF MEDICINE, 2025 ZONAL AVE, LOS ANGELES, CALIF. Lipoprotein chemistry (human).

R01HL-12138-04 (NTN) JOHNSON, B CONNOR, OKLAHOMA MED RESEARCH FDN, 825 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Dietary control of glucose-6-phosphate dehydrogenase (rats).

R01HL-12147-07 (PTHA) PUCHTLER, HOLDE, MEDICAL COLLEGE OF GEORGIA, 1459 GWINNETT STREET, AUGUSTA, GA. Histochemistry of early arterosclerotic lesions.

R01HL-12147-07 0001 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Neutral premetallized dyes.

R01HL-12147-07 0002 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Fluorescent brightening agents.

R01HL-12147-07 0005 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Reactive dyes.

R01HL-12147-07 0004 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Fluorescence microscopy with long wave exciting light.

R01HL-12147-07 0005 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Conventional fluorescence microscopy.

R01HL-12147-07 0006 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Infrared fluorescence.

R01HL-12147-07 0007 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Polarization microscopy of stained myofibrils.

R01HL-12147-07 0008 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Textile auxiliaries.

R01HL-12147-07 0009 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Arterial lesions in children and young adults.

R01HL-12147-07 0010 (PTHA) PUCHTLER, HOLDE. Histochemistry of early arterosclerotic lesions-Vascular grafts and vessels in organ transplants.

P01HL-12157-07 (HEP) TOSTESON, DANIEL C, DUKE UNIV MEDICAL CENTER, DEPT OF PHYSIO & PHARM, DURHAM, N C. Functions and mechanisms of cell membrane ion transport.

P01HL-12157-07 0014 (HEP) GUTKNECHT, J C. Functions and mechanisms of cell membrane ion transport-Water and solute transport in giant algae cells.

P01HL-12157-07 0015 (HEP) SMITH, P. Functions and mechanisms of cell membrane ion transport-Spin-labeled membranes and related model systems.

P01HL-12157-07 0016 (HEP) HENKENS, R W. Functions and mechanisms of cell membrane ion transport-Kinetics and thermodynamics of valinomycin induced cation permeability.

P01HL-12157-07 0018 (HEP) KRIGBAUM, W R. Functions and mechanisms of cell membrane ion transport-X-ray diffraction in compounds in ion transport through biological membranes.

P01HL-12157-07 0019 (HEP) POIRIER, J C. Functions and mechanisms of cell membrane ion transport-Polarized fluorescence of lipid bilayers.

P01HL-12157-07 0026 (HEP) DAVIS D G. Functions and mechanisms of cell membrane ion transport-Model membranes-Bulk systems.

P01HL-12157-07 0027 (HEP) TOSTESON, M T. Functions and mechanisms of cell membrane ion transport-Lipid bilayer model membranes-Active Na and K transport (guinea pigs).

P01HL-12157-07 0028 (HEP) TOSTESON, M T. Functions and mechanisms of cell membrane ion transport-Lipid bilayer model membranes-Ion transport and macrocyclic compounds (sheep).

P01HL-12157-07 0029 (HEP) GUTKNECHT J C. Functions and mechanisms of cell membrane ion transport-Lipid bilayer model membranes-Anion permeability (fish, shrimp, sheep).

P01HL-12157-07 0030 (HEP) TOSTESON M T. Functions and mechanisms of cell membrane ion transport-Lipid bilayer model membranes-Structure and cation selectivity of ionophores.

P01HL-12157-07 0031 (HEP) DUNHAM G. Functions and mechanisms of cell membrane ion transport-Lipid bilayer model membranes-Aromatic anion effects on ion selectivity.

P01HL-12157-07 0032 (HEP) GUNN, ROBERT B. Functions and mechanisms of cell membrane ion transport-Active K and Na transport in HK and LK sheep red cells.

P01HL-12157-07 0033 (HEP) LAUF, P K. Functions and mechanisms of cell membrane ion transport-Immunological aspects of active Na-K transport in sheep red cells.

P01HL-12157-07 0034 (HEP) GUNN, ROBERT B. Functions and mechanisms of cell membrane ion transport-Mechanisms of passive anion and cation transport (human, sheep).

R01HL-12161-07 (TEC) DRILLER, JACK, RIVERSIDE RESEARCH INSTITUTE, 80 WEST END AVENUE, NEW YORK, N Y. POD catheter research-Engineering support (human, dogs).

R01HL-12174-07 (PHY) HLASTALA, MICHAEL P, UNIVERSITY OF WASHINGTON, DIV OF RESPIRATORY DISEASES, SEATTLE, WASH. Ventilation perfusion distribution in the lung (human, animals).

R01HL-12184-06 (PHRA) BUNKS, JOHN R, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Drugs and mechanical properties of striated muscle.

R01HL-12202-06 (SGYB) GREENFIELD, HARVEY S, UNIVERSITY OF UTAH, INST FOR BIOMEDICAL ENGR, SALT LAKE CITY, UTAH. Flow analyses for heart valves and vascular systems (computer graphics).

R01HL-12229-12 (AFY) HYATT, ROBERT E, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Ventilation mechanics in chronic pulmonary disease (human, dogs).

R01HL-12231-06 (AFY) BROWN, E B, JR, UNIVERSITY OF KANSAS MED CTR, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. Intracellular response to acid-base changes (dogs, rats).

R01HL-12234-06 (PC) BORSOOK, HENRY, UNIVERSITY OF CALIFORNIA, SPACE SCIS LAB, BERKELEY, CALIF. Biological synthesis of protein (human, mammals).

R01HL-12239-05 (GMB) NEW, MARIA I, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N Y. Curable hypertension with hyperaldosteronism (human).

R01HL-12256-10 (BBCB) STEINHARDT, JACINTO, GEORGETOWN UNIVERSITY, 37TH & O STREETS, N W, WASHINGTON, D C. Polymerization of sickle-cell hemoglobin (human).

R01HL-12278-06 (SGYB) BAUE, ARTHUR E, JEWISH HOSPITAL OF ST LOUIS, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Surgical aspects of shock and hypoxia (rats, dogs).

R01HL-12307-04 (SGYB) RASHKIND, WILLIAM J, CHILDREN'S HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. Therapy of congenital heart disease (human, dogs).

R01HL-12316-06 (HEM) HAMPTON, JAMES W, OKLAHOMA MEDICAL RESEARCH FDN, 825 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Stabilization of fibrin (human).

R01HL-12322-06 (SGYA) DAGGETT, WILLARD M, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Extrinsic factors influencing myocardial performance (dogs).

R01HL-12325-06 (MCHA) STEWART, JOHN M, UNIVERSITY OF COLORADO, DEPARTMENT OF BIOCHEMISTRY, DENVER, COLO. Circulatory system effects of peptide hormones (guinea pigs, dogs).

R01HL-12326-07 (BBCB) VAN HOLDE, KENSAL E, OREGON STATE UNIVERSITY, DEPT OF BIOCHEM/BIOPHYS, CORVALLIS, OREG. Respiratory proteins-Structure and function (squid, crabs, worms).

R01HL-12342-06 (CVB) KALEY, GABOR, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVENUE, NEW YORK, N Y. Prostaglandins in vascular homeostasis (dogs, rats).

P01HL-12373-06 (HEP) ROSS, JOHN, JR, P O BOX 109, UNIV OF CALIFORNIA, SAN DIEGO, LA JOLLA, CALIF. Cardiopulmonary physiology and pathophysiology.

P01HL-12373-06 0001 (HEP) COVELL, JAMES W. Cardiopulmonary physiology and pathophysiology-Mechanics of myocardial contraction (dogs).

P01HL-12373-06 0002 (HEP) ROSS, JOHN JR. Cardiopulmonary physiology and pathophysiology-Mechanisms of adaptation in the whole heart (human).

P01HL-12373-06 0003 (HEP) PETERSON, KIRK L. Cardiopulmonary physiology and pathophysiology-Myocardial function in man.

P01HL-12373-06 0005 (HEP) FRIEDMAN, WILLIAM F. Cardiopulmonary physiology and pathophysiology-Characterization of fetal and neonatal myocardium (sheep).

P01HL-12373-06 0006 (HEP) STEINBERG, DANIEL. Cardiopulmonary physiology and pathophysiology-Fatty acid mobilization (human, dogs).

P01HL-12373-06 0007 (HEP) SOBEL, BURTON E. Cardiopulmonary physiology and pathophysiology-Contractility in normal and failing myocardium (rabbits, guinea pigs).

P01HL-12373-06 0010 (HEP) LIEBOW, AVERILL A. Cardiopulmonary physiology and pathophysiology-Pulmonary pathology and pathophysiology (dogs).

P01HL-12373-06 0011 (HEP) BLOOR, COLIN M. Cardiopulmonary physiology and pathophysiology-Coronary energetics in altered physiologic states (dogs).

P01HL-12373-06 0012 (HEP) MAYER, STEVEN E. Cardiopulmonary physiology and pathophysiology-Biochemistry of the sympathetic nervous system (rats, rabbits, pigeons).

P01HL-12373-06 0013 (HEP) OROURKE, ROBERT A. Cardiopulmonary physiology and pathophysiology-Effects of cardiovascular drugs on left ventricular function (dogs).

R01HL-12381-06 (PC) VORBECK, MARIE L, UNIVERSITY OF MISSOURI, DEPT OF PATHOLOGY, COLUMBIA, MO. Membrane lipids-Biosynthesis and function (rat liver).

R01HL-12387-06 (PHRA) BRIGGS, ARTHUR H, UNIV OF TEXAS MEDICAL SCHOOL, 7703 FLOYD CURL DR, SAN ANTONIO, TEX. Transmembrane fluxes in vascular smooth muscle (rats).

R01HL-12395-06 (BBCA) SCHAEFER, WILLIAM P, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. X-ray study of oxygen-carrying cobalt complexes.

R01HL-12399-09 (NTN) HEGSTED, DAVID M, HARVARD SCHOOL, 665 HUNTINGTON AVENUE, BOSTON, MASS. Specific fatty acids and cholesterol metabolism (gerbils, monkeys).

R01HL-12402-15 (MET) VOLWILER, WADE, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MEDICINE, SEATTLE, WASH. Metabolism of plasma proteins (baboons).

R01HL-12415-06 (CVA) BISHOP, VERNON S, UNIVERSITY OF TEXAS MED SCH, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Evaluation of left ventricular function (dogs, rabbits).

R01HL-12419-06 (SGYA) CLARK, LELAND C, JR, CHILDRENS HOSPITAL RES FDN, ELLAND AVENUE & BETHESDA, CINCINNATI, OHIO. Surgical cardiovascular problems (animals).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HL-12421-06 (CVA) GREGA, GEORGE J, MICHIGAN STATE UNIVERSITY, GILTNER HALL, EAST LANSING, MICH. Pathophysiology of circulatory shock (dogs).
- RO1HL-12426-06 (PHY) TARR, CHARLES M, UNIV OF KANSAS MED CTR, DEPT OF PHYSIOLOGY, KANSAS CITY, KANS. Voltage clamp of cardiac muscle (frogs).
- RO1HL-12439-05 (CVA) DEXTER, LEWIS, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVE, BOSTON, MASS. Pulmonary circulation and pulmonary embolism (human, dogs).
- RO1HL-12443-03 (HEM) PUSZKIN, ELENA G, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & 5TH AVE, NEW YORK, N.Y. Amino acid and protein metabolism in human platelets.
- RO1HL-12462-05 (PHRA) ALTURA, BURTON M, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Pharmacologic studies on vascular smooth muscle (dogs, rats).
- RO1HL-12483-05 (HEM) MENDE, THOMAS J, UNIVERSITY OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Anticoagulant activity of iodopeptides (rabbits).
- RO1HL-12486-06 (CVA) SOMMER, JOACHIM R, DUKE UNIV MEDICAL CENTER, DEPARTMENT OF PATHOLOGY, DURHAM, N.C. Structure-function correlation in the atrium (animals).
- RO1HL-12493-06 (CVA) INTAGLIETTA, MARCOS, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Bioengineering analysis of microvascular function.
- RO1HL-12494-06 (CVB) FUNG, YUAN-CHENG B, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Continuum mechanics in biophysics (frogs, cats, rabbits).
- RO1HL-12521-06 (PTHA) SANTOS-BUCH, CHARLES A, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N.Y. Mechanisms of arterial damage in hypertension (rabbits).
- RO1HL-12524-06 (BRCB) NOBLE, ROBERT W, VETERANS ADMINISTRATION HOSP, 3495 BAILEY AVENUE, BUFFALO, N.Y. Reaction of hemoglobin with ligands and antibodies (human, carp).
- RO1HL-12526-05 (BRCB) SPIRO, THOMAS G, PRINCETON UNIVERSITY, DEPARTMENT OF CHEMISTRY, PRINCETON, N.J. Raman spectra of heme proteins and related molecules.
- RO1HL-12527-06 (BRCB) STEIN, RICHARD S, UNIV OF MASSACHUSETTS, POLYMER RESEARCH INSTITUTE, AMHERST, MASS. Light scattering and orientation in mesophases.
- RO1HL-12528-06 (BRCB) WADE, CHARLES G, UNIVERSITY OF TEXAS, DEPARTMENT OF CHEMISTRY, AUSTIN, TEX. NMR relaxation of liquid crystal systems.
- RO1HL-12530-06 (CVA) BRISCOE, WILLIAM A, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N.Y. Emphysema-Respiratory function in disease (human, dogs).
- RO1HL-12533-06 (MET) HOLMUND, CHESTER E, UNIVERSITY OF MARYLAND, DEPT OF CHEMISTRY, COLLEGE PARK, MD. Hypocholesteremic compounds and metabolism (Tetrahyena, Saccharomyces).
- RO1HL-12536-05 (CVA) DAMATO, ANTHONY N, U.S. PUBLIC HLTH SERV HOSP, STATEN ISLAND, N.Y. Electrophysiological studies of human heart.
- RO1HL-12542-06 (TBC) LAMBERT, EDWARD C, CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N.Y. Natural history, congenital heart defects-Joint study (human).
- RO1HL-12546-05 (CVB) GAZLEY, CARL JR, THE RAND CORPORATION, 1700 MAIN STREET, SANTA MONICA, CALIF. Fluid mechanics of the microcirculation.
- RO1HL-12549-06 (PC) HEINTZ, ROGER L, IOWA STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYS, AMES, IOWA. Peptide bond formation and hemoglobin synthesis (rabbits).
- RO1HL-12556-06 (PHY) ABBOTT, BERNARD C, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Comparative cardiovascular physiology (animals).
- RO1HL-12557-06 (PTHA) ALBERT, ERNEST N, GEORGE WASHINGTON UNIVERSITY, 1335 H STREET, N.W., WASHINGTON, D.C. Effects of steroids and pregnancy on arteries and veins (guinea pigs).
- RO1HL-12561-06 (PTHA) CARNES, WILLIAM H, UNIVERSITY OF CALIFORNIA, CENTER FOR HEALTH SCIENCES, LOS ANGELES CALIFORNIA. Cardiovascular studies on copper deficiency (sheep, miniature swine).
- RO1HL-12564-05 (AFY) DUTTON, ROBERT E, JR, ALBANY MED COLL OF UNION UNIV, 47 NEW SCOTLAND AVENUE, ALBANY, N.Y. Control of respiration and blood gases (human).
- RO1HL-12576-06 (BIO) KING, TSOO E, STATE UNIV OF NEW YORK, 1400 WASHINGTON AVENUE, ALBANY, N.Y. Mitochondrial respiratory system in heart.
- RO1HL-12585-06 (BIO) HARRISON, JOHN H, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF CHEMISTRY, CHAPEL HILL, N.C. Structural properties of malate dehydrogenase (swine).
- RO1HL-12599-05 (CVB) SILVERSTEIN, EMANUEL, SUNY DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N.Y. Chemical diagnosis of pulmonary embolism (human, dogs).
- RO1HL-12607-06 (PHY) MULLOR, WILLIAM R, 725 NORTH WOLFE STREET, BALTIMORE, MD. Blood flow impedance in regional vascular beds (dogs).
- RO1HL-12611-06 (CVA) BURGESS, MARY J, UNIVERSITY OF UTAH MEDICAL CTR, BUILDING 100, SALT LAKE CITY, UTAH. Basic and clinical studies of the ST-T deflection (human, dogs).
- RO1HL-12614-06 (CVB) HARRIS, PATRICK D, UNIV OF MISSOURI SCH OF MED, DEPT OF PHYSIOLOGY, COLUMBIA, MO. Microcirculatory control mechanisms and hypertension (bats, rats).
- RO1HL-12638-06 (CVB) BUTLER, JOHN, UNIVERSITY OF WASHINGTON, DEPT OF MEDICINE, SEATTLE, WASH. Vascular resistances in pulmonary circulation (human, dogs).
- RO1HL-12647-05 (PHRA) LEVIN, JEROME A, MEDICAL COLLEGE OF OHIO, P O BOX 6190, TOLEDO, OHIO. Norepinephrine in vascular tissue.
- RO1HL-12647-05 0001 (PHRA) LEVIN, JEROME A. Norepinephrine in vascular tissue-Inactivation of norepinephrine in vascular tissue (rabbits).
- RO1HL-12647-05 0002 (PHRA) LEVIN, JEROME A. Norepinephrine in vascular tissue-Uptake of tyrosine by adrenergic terminals (rabbits).
- RO1HL-12648-05 (PHRA) GITLOW, STANLEY E, MT SINAI SCH OF MED-CUNY, FIFTH AVE AND 100TH STREET, NEW YORK, N.Y. Catecholamine metabolism in hypertensive diseases (human, rats).
- RO1HL-12650-06 (PTHA) KUHN, CHARLES, WASHINGTON UNIVERSITY, DEPARTMENT OF PATHOLOGY, ST LOUIS, MO. Environmental pathobiology of the lung (rodents).
- RO1HL-12677-06 (CVB) ITSKOVITZ, HAROLD D, MILWAUKEE COUNTY GENERAL HOSP, 8700 W WISCONSIN AVENUE, MILWAUKEE, WIS. Surgical and physiologic studies of isolated kidneys (dogs).
- RO1HL-12679-06 (CVA) BANCHERO, NATALIO, UNIV OF COLORADO SCH OF MED, 4200 EAST 9TH AVENUE, DENVER, COLO. Hemodynamics of edema at high altitude lung (dogs).
- RO1HL-12684-06 (GMB) FITZ, ANNETTE E, VETERANS ADMINISTRATION HOSP, IOWA CITY, IOWA. Angiotensin I and converting enzyme in hypertension (human, rat, rabbit, dog).
- RO1HL-12690-06 (CVA) PRONEK, ARNOST, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Systemic and local vascular adjustment in shock (monkeys, cats).
- RO1HL-12703-05 (CVA) WHALEN, WILLIAM J, ST VINCENT CHARITY HOSPITAL, 2351 EAST 22ND STREET, CLEVELAND, OHIO. Vascular control mechanisms in skeletal muscle (dogs, cats).
- RO1HL-12706-06 (CVB) PEACH, MICHAEL J, UNIVERSITY OF VIRGINIA, DEPARTMENT OF PHARMACOLOGY, CHARLOTTESVILLE, VA. Angiotensin analogs and the adrenal gland (animals).
- RO1HL-12707-04 (GMB) VAGNUCCI, ANTHONY M, MONTEFIORE HOSPITAL, 3459 FIFTH AVE, PITTSBURGH, PA. Mechanism of renal circadian cycles (human, dogs, rabbits, guinea pigs).
- RO1HL-12710-05 (MET) PORTE, GERTRUDE M, UNIVERSITY OF CALIFORNIA, DONNER LABORATORY, BERKELEY, CALIF. Fine structure of serum lipoproteins (pigs, human).
- RO1HL-12711-05 (COM) MIRSKY, ISRAEL, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Mathematical approach to cardiovascular mechanisms (human, animals).
- RO1HL-12715-06 (RAD) THURSTONE, FREDRICK L, DUKE UNIVERSITY, DEPT OF BIOMEDICAL ENGINEERING, DURHAM, N.C. Dynamic cardiovascular measurement using ultrasound (dogs).
- RO1HL-12736-05 (PHRA) MARCUS, FRANK I, UNIVERSITY OF ARIZONA, ARIZONA MEDICAL CENTER, TUCSON, ARIZ. Pharmacology of cardiac glycosides (human, dogs).
- PO1HL-12738-06 (HEP) HOFFMAN, BRIAN F, COLUMBIA UNIVERSITY, 630 WEST 168TH, NEW YORK, N.Y. Physiologic pharmacology and its clinical applications.
- PO1HL-12738-06 0001 (HEP) GIARDINA, ELSA GRACE V. Physiologic pharmacology and its clinical applications-Clinical pharmacology of procaine amide (human).
- PO1HL-12738-06 0003 (HEP) BIGGER, J THOMAS JR. Physiologic pharmacology and its clinical applications-Effect of lidocaine on conduction in canine Purkinje fibers.
- PO1HL-12738-06 0032 (HEP) SAWYER, WILBUR H. Physiologic pharmacology and its clinical applications-Renin-angiotensin system (fish).
- PO1HL-12738-06 0035 (HEP) BIGGER, J THOMAS JR. Physiologic pharmacology and its clinical applications-Lidocaine excitability in Purkinje fibers (mammals).
- PO1HL-12738-06 0038 (HEP) WIT, A L. Physiologic pharmacology and its clinical applications-Electrophysiologic studies on canine mitral valve leaflet.
- PO1HL-12738-06 0039 (HEP) WIT, A L. Physiologic pharmacology and its clinical applications-Electrophysiological properties of cells surviving myocardial infarct.
- PO1HL-12738-06 0040 (HEP) KAHN, NORMAN. Physiologic pharmacology and its clinical applications-Pharmacokinetics.
- PO1HL-12738-06 0042 (HEP) WANG, S C. Physiologic pharmacology and its clinical applications-Cardiovascular drugs (cats).
- PO1HL-12738-06 0044 (HEP) WELD, . Physiologic pharmacology and its clinical applications-Procaine amide suppression of automaticity in mammalian Purkinje fibers.
- PO1HL-12738-06 0045 (HEP) GIARDINA, ELSA GRACE V. Physiologic pharmacology and its clinical applications-Clinical pharmacology of procaine amide (human).
- PO1HL-12738-06 0047 (HEP) KRONGRAD, E. Physiologic pharmacology and its clinical applications-Activation sequence with heart overload (human).
- PO1HL-12738-06 0043 (HEP) KUPPERSMITH, JOEL. Physiologic pharmacology and its clinical applications-Coronary bypass graft and myocardial ischemia (human).
- PO1HL-12738-06 0049 (HEP) KRONGRAD, E. Physiologic pharmacology and its clinical applications-Electrical stimulation in patients with low cardiac output or arrhythmias.
- PO1HL-12738-06 0050 (HEP) KRONGRAD, E. Physiologic pharmacology and its clinical applications-Atrial stimulation in pediatric patients with congenital space heart disease.
- PO1HL-12738-06 0051 (HEP) SCHMIDT, D H. Physiologic pharmacology and its clinical applications-Effect of digoxin and specific antibodies on distribution of digoxin-3H in dogs.
- PO1HL-12738-06 0052 (HEP) PARODI, E N. Physiologic pharmacology and its clinical applications-Evaluation of non-invasive electromagnetic flowmeter (monkeys).
- PO1HL-12738-06 0055 (HEP) WIT, A L. Physiologic pharmacology and its clinical applications-Electrophysiology of myocardial infarcts (dogs).
- PO1HL-12738-06 0054 (HEP) ROSEN, M R. Physiologic pharmacology and its clinical applications-Intraventricular conduction (dogs).
- PO1HL-12738-06 0057 (HEP) PARODI, E N. Physiologic pharmacology and its clinical applications-Tensile strength of autogenous systemic veins and venous space autografts (human).
- PO1HL-12738-06 0058 (HEP) PARODI, E N. Physiologic pharmacology and its clinical applications-Aortic valve homografts sterilized by electron beam energy-pathology.
- PO1HL-12738-06 0059 (HEP) PARODI, E N. Physiologic pharmacology and its clinical applications-Vein homograft sterilized by electron beam for coronary surgery (dogs, human).
- PO1HL-12738-06 0060 (HEP) PUNE, M. Physiologic pharmacology and its clinical applications-Relationship of lymph flow to extravascular lung water in dogs given antu.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P01HL-12738-06 0061 (HEP) SPONITZ, H. Physiologic pharmacology and its clinical applications—Left ventricular analogues powered by skeletal muscle (dogs).
- P01HL-12738-06 0062 (HEP) ROSEN, M R. Physiologic pharmacology and its clinical applications—Blood-perfused cardiac tissues and ventricular automaticity (dogs).
- P01HL-12738-06 0063 (HEP) KIRSTEN, E. Physiologic pharmacology and its clinical applications—Effects of calcium blockers on skeletal and cardiac muscle (frogs).
- P01HL-12738-06 0064 (HEP) SIMPSON, L L. Physiologic pharmacology and its clinical applications—Cardiovascular reactivity (rats).
- P01HL-12738-06 0065 (HEP) SIMPSON, L L. Physiologic pharmacology and its clinical applications—Effect of phenothiazines on cardiac cyclic AMP (rats, dogs).
- P01HL-12738-06 0066 (HEP) HOFFMAN, BRIAN F. Physiologic pharmacology and its clinical applications—CNS and fatal arrhythmia after coronary occlusions (dogs).
- P01HL-12738-06 0068 (HEP) WANG, S C. Physiologic pharmacology and its clinical applications—Cardiovascular regulation in mammals.
- P01HL-12738-06 0069 (HEP) CHIEN, SHU. Physiologic pharmacology and its clinical applications—Blood rheology in coronary heart disease (human).
- P01HL-12738-06 0070 (HEP) KRONGRAD E. Physiologic pharmacology and its clinical applications—Specialized ventricular conducting system (human).
- P01HL-12738-06 0071 (HEP) BREGMAN, DAVID. Physiologic pharmacology and its clinical applications—Intra-aortic balloon pumping in coronary revascularization (human).
- P01HL-12738-06 0072 (HEP) KUPERSMITH, JOEL. Physiologic pharmacology and its clinical applications—Human cardiac electrophysiology.
- P01HL-12738-06 0073 (HEP) KRONGRAD, E. Physiologic pharmacology and its clinical applications—Evaluation of sinus node function following the mustard procedure (human).
- P01HL-12738-06 0075 (HEP) SPONITZ, ALLAN J. Physiologic pharmacology and its clinical applications—Ventricular function in cardiac surgical patients.
- P01HL-12738-06 0076 (HEP) ROSEN, M R. Physiologic pharmacology and its clinical applications—Specialized ventricular conducting system in ventricular activation (human, dogs).
- P01HL-12738-06 0077 (HEP) KRONGRAD, E. Physiologic pharmacology and its clinical applications—Hemodynamic effects of rapid atrial stimulation (dogs).
- P01HL-12738-06 0078 (HEP) BUSH, H. Physiologic pharmacology and its clinical applications—Techniques for cardiologia.
- P01HL-12738-06 0079 (HEP) SPONITZ, H M. Physiologic pharmacology and its clinical applications—Microscopic studies on ventricular structure (human, dogs).
- P01HL-12738-06 0080 (HEP) WIT, A L. Physiologic pharmacology and its clinical applications—Electrophysiology of cardiac muscle in the mitral valve (human, dogs).
- P01HL-12738-06 0001 (HEP) WIT, A L. Physiologic pharmacology and its clinical applications—Ultrastructural and electrophysiologic alteration of myocardium.
- P01HL-12738-06 0002 (HEP) GERSONY, W. Physiologic pharmacology and its clinical applications—Clinical pharmacology of digoxin in infancy (human, dogs).
- P01HL-12738-06 0005 (HEP) MELLINS, ROBERT. Physiologic pharmacology and its clinical applications—The autonomic nervous system in the asthmatic child.
- R01HL-12740-06 (PHRA) WITIAK, DONALD T, OHIO STATE UNIVERSITY, 500 WEST 12TH AVENUE, COLUMBUS, OHIO. Hypocholesterolemic agents—Stereochemistry (rats).
- R01HL-12745-06 (PC) POPJAK, GEORGE J, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Enzymes and inhibitors of cholesterol biosynthesis.
- R01HL-12745-06 0001 (PC) POPJAK, GEORGE J. Enzymes and inhibitors of cholesterol biosynthesis—Presqualene biosynthesis in relation to sterol biosynthesis.
- R01HL-12745-06 0002 (PC) EDMOND, JOHN. Enzymes and inhibitors of cholesterol biosynthesis—Trans-methylglutamate shunt and its existence in man.
- R01HL-12745-06 0003 (PC) POPJAK, GEORGE J. Enzymes and inhibitors of cholesterol biosynthesis—Development of prenyl transferase inhibitors for sterol control.
- R01HL-12745-06 0004 (PC) FOGELMAN, ALAN. Enzymes and inhibitors of cholesterol biosynthesis—Leukocyte monitoring of lipid metabolism and anticholesteremic drugs (human).
- R01HL-12749-05 (PHY) RENKIN, EUGENE M, DUKE UNIVERSITY, P O BOX 3709, DURHAM, N C. Regulatory mechanisms in blood circulation (dogs).
- R01HL-12758-19 (GMB) MULBROW, PATRICK J, YALE UNIVERSITY SCH OF MED, 333 CEDAR ST, NEW HAVEN, CONN. Regulation of aldosterone secretion (human, rats).
- R01HL-12759-05 (HEM) DOOLITTLE, RUSSELL F, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Fibrin formation—Molecular basis and regulation (human, cattle).
- R01HL-12760-05 (BBCB) CADENHRAD, DAVID A, STATE UNIVERSITY OF NEW YORK, 14 ACHESON HALL, BUFFALO, N Y. Surface studies of membrane lipids.
- R01HL-12762-06 (HEM) GOTTFRIED, EUGENE L, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Blood cell properties in relation to cell type (human, animals).
- R01HL-12766-05 (CVB) WOLINSKY, HARVEY, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Structure-function relation of blood vessels (human, dogs, rats).
- R01HL-12774-05 (CVA) KAVALER, FREDERIC, SUNY-DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N Y. Depolarization-contraction relation—Heart muscle (cats, frogs).
- R01HL-12775-06 (CVB) ROSENBLUM, WILLIAM I, VIRGINIA COMMONWEALTH UNIV, BOX 17, DIV OF NEUROPATHOLOGY, RICHMOND, VA. Cerebral microcirculation (mice).
- R01HL-12777-03 (SGYB) DAGGETT, WILLARD M, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Mechanisms in cardiac performance (dogs, cats).
- R01HL-12787-05 (HEM) SEAMAN, GEOFFREY V, UNIVERSITY OF OREGON MED SCH, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Surface properties of blood elements (human).
- R01HL-12792-05 (PHY) DULING, BRIAN R, UNIVERSITY OF VIRGINIA, DEPT OF PHYSIOLOGY, CHARLOTTESVILLE, VA. Local control of the microcirculation (hamsters, rats).
- R01HL-12794-03 (SGYA) SCOTT, H WILLIAM, JR, VANDERBILT UNIVERSITY, DEPARTMENT OF SURGERY, NASHVILLE, TENN. Atherogenesis in vascular grafts (dogs, monkeys).
- R01HL-12808-05 (SGYA) MOSS, GERALD S, UNIVERSITY OF ILLINOIS, 840 S WOOD STREET, CHICAGO, ILL. Steroid therapy in septic shock (baboon, limulus).
- R01HL-12811-05 (CVB) BECKETT, SIDNEY D, AUBURN UNIVERSITY, DEPT OF VETERINARY PHYSIOL, AUBURN, ALA. Heart conduction defects (dogs).
- R01HL-12820-05 (HEM) JACKSON, CRAIG M, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Lipid protein interactions in blood clotting (cattle).
- R01HL-12824-04 (PHY) BEBLER, GEORGE W, JR, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Excitation-contraction coupling in myocardium (dogs).
- R01HL-12827-05 (GMB) SLOTKOFF, LAWRENCE M, GEORGETOWN UNIVERSITY HOSPITAL, 3800 RESERVOIR ROAD, N W, WASHINGTON, D C. Regulation of sodium excretion (dogs, rats).
- R01HL-12833-05 (CVB) MITTMAN, CHARLES, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Genetic and environmental influences on lung disease (human).
- R01HL-12839-05 (SGYA) SUTERA, SALVATORE P, WASHINGTON UNIVERSITY, BOX 1185, ST LOUIS, MO. Degradation of blood in artificial organs (rats, dogs, rabbits, human).
- R01HL-12850-05 (SGYA) DONAWICK, WILLIAM J, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF VETERINARY MEDICINE, KENNETT SQUARE, PA. Heart transplantation and antilymphocytic serum treatment (rodents, ungulate).
- R01HL-12869-05 (MET) CHOBANIAN, ARAM V, BOSTON UNIVERSITY MED CTR, 15 SToughton ST, BOSTON, MASS. Arterial metabolism, diabetes and atherogenesis (hamsters, mice, rats, human).
- R01HL-12872-05 (PC) CONNER, ROBERT L, BRYN MAWR COLLEGE, DEPARTMENT OF BIOLOGY, BRYN MAWR, PA. Regulation of triterpene alcohol biosynthesis (protozoa).
- R01HL-12875-05 (RAD) STRANDNESS, DONALD E, JR, UNIVERSITY OF WASHINGTON, DEPT OF SURGERY, SEATTLE, WASH. Ultrasonic visualization of arteries (human).
- R01HL-12879-05 (CVA) CHINARD, FRANCIS P, COLL OF MED & DENT OF N J, 100 BERGEN STREET, NEWARK, N J. Pulmonary transport and metabolism in vivo (dogs, human).
- R01HL-12901-05 (BBCA) WILLIAMS, ROBLEY C, JR, YALE UNIVERSITY, KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Subunit association of human hemoglobins.
- R01HL-12944-05 (HEM) VALENTINE, WILLIAM N, UNIV OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Enzymatic and biochemical studies on blood cells (human).
- R01HL-12955-04 (BBCA) KATZ, SAM, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, MORGANTOWN, W VA. Hemoglobin—Environmental stability factors.
- R01HL-12958-08 (BBCA) SMITH, LINDA L, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIOL, AUGUSTA, GA. Dissociation of normal and abnormal hemoglobins (human, deer).
- R01HL-12964-11 (CVB) BRODY, MICHAEL J, UNIVERSITY OF IOWA, COLLEGE OF MEDICINE, IOWA CITY, IOWA. Neurogenic regulation of vascular resistance (dogs, rats).
- R01HL-12967-05 (PTHA) BRAUDE, ABRAHAM I, UNIV HOSP OF SAN DIEGO COUNTY, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Experimental pyelonephritis (rats).
- R01HL-12971-12 (MCHB) SHAMMA, MAURICE, PENNSYLVANIA STATE UNIVERSITY, 152 DAVEY LABORATORY, UNIVERSITY PARK, PA. Reactions of alcohols and their analogs.
- R01HL-12972-05 (HEM) SMITH, JOSEPH E, KANSAS STATE UNIVERSITY, BURT HALL, MANHATTAN, KANS. Glutathione deficiency in red cells (sheep).
- R01HL-12974-05 (CVA) PERL, WILLIAM, COLL OF MED & DENT OF N J, 100 BERGEN STREET, NEWARK, N J. Tracer kinetics, flows and masses in body organs (human, dogs).
- R01HL-12970-05 (CBY) BASKIN, RONALD J, UNIVERSITY OF CALIFORNIA, DEPT OF ZOOLOGY, DAVIS, CALIF. Sarcoplasmic reticulum ultrastructure and function (rabbits, chickens, lobsters).
- R01HL-12980-05 (CVA) WILSON, THEODORE A, UNIVERSITY OF MINNESOTA, 107 AEROSPACE ENG BLDG, MINNEAPOLIS, MINN. Flow in collapsible tubes and airway compression.
- R01HL-12990-05 (GMB) SHARE, LEONARD, UNIVERSITY OF TENNESSEE, 894 UNION AVENUE, MEMPHIS, TENN. Control of ADH secretion and metabolism (dogs, rats, rabbits).
- R01HL-12994-05 (HEM) MASOURIDIS, SERAFEIM P, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. The Rh complex of red cells (human, primates).
- R01HL-12997-04 (CVB) HARRISON, CARLOS E, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Myocardial defects induced by potassium depletion (human, rats).
- R01HL-12990-05 (NTN) PILLIOS, LOUIS C, SCHOOL OF GRADUATE DENTISTRY, 100 EAST NEWTON STREET, BOSTON, MASS. Dietary hepatic lipidosis and protein synthesis (rats).
- R01HL-13003-05 (MBY) TZAGOLOFF, ALEXANDER A, P H RES INST/CITY OF N Y, 455 FIRST AVENUE, NEW YORK, N Y. Assembly of membranes in heart and yeast mitochondria.
- R01HL-13010-05 (PHY) EISENBERG, ROBERT S, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY, LOS ANGELES, CALIF. Properties of the sarcotubular system (frogs).
- R01HL-13028-05 (MET) NEEBY, JAMES R, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Regulation of myocardial fatty acid metabolism (rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HL-13029-05 (PHY) MORGAN, HOWARD E, MILTON S HERSHEY MED CENTER, 500 UNIVERSITY DRVE, HERSHEY, PA. Metabolic regulation of sugar transport (pigeons).
- RO1HL-13033-05 (PHY) FEIGL, ERIC O, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Neural cardiovascular control (dogs, monkeys).
- RO1HL-13034-05 (APY) SCHNEIDER, ROBERT A, UNIVERSITY OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OKLA. Autonomic blood pressures in ambulating hypertensives (human).
- RO1HL-13035-05 (BIO) SHORE, JOSEPH D, HENRY FORD HOSPITAL, 2799 W GRAND BOULEVARD, DETROIT, MICH. Heart mitochondrial malate dehydrogenase regulation.
- RO1HL-13036-04 (CVB) MOSCHOS, CHRISTOS B, COLL MED & DENT-NJ MED SCH, 100 BERGEN STREET, NEWARK, N J. Coronary thrombosis (human, dogs).
- RO1HL-13045-05 (PTHB) LEVY, STEVEN E, UCLA SCHOOL OF MEDICINE, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Pulmonary artery occlusion—Effect on lung metabolism (dogs).
- RO1HL-13057-05 (TBC) PARSONNET, VICTOR, BETH ISRAEL MEDICAL CENTER, 201 LYONS AVENUE, NEWARK, N J. POD catheter—Cardiac applications (dogs).
- RO1HL-13083-05 (CVB) SKALAK, RICHARD, COLUMBIA UNIVERSITY, DEPT OF CIVIL ENGR & ENGR MECH, NEW YORK, N Y. Modeling blood rheology and hemolysis.
- RO1HL-13088-05 (SOYA) GIHA, ALEXANDER S, JEWISH HOSPITAL, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Surgical aspects of myocardial hypertrophy (dogs).
- RO1HL-13100-04 (BDC) CASSEL, JOHN C, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF EPIDEMIOLOGY, CHAPEL HILL, N C. Cultural change, blood pressure and heart disease (Pacific Islands).
- PO1HL-13108-05 (HEP) DONG, EUGENE JR, STANFORD UNIVERSITY, STANFORD, CALIF. Clinical heart transplantation.
- PO1HL-13108-05 0001 (HEP) DONG, EUGENE JR. Clinical heart transplantation—Therapy and prognosis (human).
- PO1HL-13108-05 0002 (HEP) DONG, EUGENE JR. Clinical heart transplantation—Immunologic selection of recipients (human).
- PO1HL-13103-05 0005 (HEP) DONG, EUGENE JR. Clinical heart transplantation—Diagnosis of rejection (human).
- PO1HL-13108-05 0004 (HEP) DONG, EUGENE JR. Clinical heart transplantation—Immunosuppression (human, dogs).
- PO1HL-13108-05 0005 (HEP) DONG, EUGENE JR. Clinical heart transplantation—Infection (human).
- PO1HL-13108-05 0006 (HEP) DONG, EUGENE JR. Clinical heart transplantation—Automation.
- PO1HL-13108-05 0007 (HEP) DONG, EUGENE JR. Clinical heart transplantation—Psychological and social evaluation (human).
- PO1HL-13108-05 0008 (HEP) RIDER, ALAN. Clinical heart transplantation—Hemodynamics of heart transplantation (human).
- PO1HL-13108-05 0009 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Filling pressure, cardiac output and stroke volume in the failing heart (human).
- PO1HL-13108-05 0010 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Effect of heart rate on cardiac output in the failing heart (human).
- PO1HL-13108-05 0011 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Oxygen arterial saturations on the function of the failing human heart.
- PO1HL-13108-05 0012 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Studies in the decerebrate patient.
- PO1HL-13108-05 0013 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Vagal tone in the decerebrate patient.
- PO1HL-13108-05 0014 (HEP) CAMARGO, CARLOS. Clinical heart transplantation—Pituitary function in the decerebrate patient.
- PO1HL-13108-05 0015 (HEP) CAMARGO, CARLOS. Clinical heart transplantation—Hemodynamic effect of vasopressin on cardiovascular status of decerebrate patient.
- PO1HL-13108-05 0016 (HEP) SILVERMAN, JAMES. Clinical heart transplantation—Angiographic evaluation of cardiac donor heart (human).
- PO1HL-13108-05 0017 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Pulmonary vascular resistance following cardiac transplantation (human).
- PO1HL-13108-05 0018 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Effect of heart rate on cardiac output in the denervated heart (human).
- PO1HL-13108-05 0019 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Isoproterenol and cardiac output in the denervated transplanted heart (human).
- PO1HL-13108-05 0020 (HEP) GRAHAM, ANTHONY F. Clinical heart transplantation—Hemodynamic changes during early acute rejection (human).
- PO1HL-13108-05 0021 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Arrhythmias and conduction abnormalities in heart transplantation (human).
- PO1HL-13108-05 0022 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Circadian rhythms in the human transplanted heart.
- PO1HL-13108-05 0023 (HEP) CANNOM, DAVID S. Clinical heart transplantation—His bundle studies in the human transplanted heart.
- PO1HL-13108-05 0024 (HEP) CANNOM, DAVID S. Clinical heart transplantation—Catecholamine hypersensitivity in the longterm transplant survivor (human).
- PO1HL-13108-05 0025 (HEP) CANNOM, DAVID S. Clinical heart transplantation—Ergometer exercise testing in the longterm survivor (human).
- PO1HL-13108-05 0026 (HEP) CANNOM, DAVID S. Clinical heart transplantation—Cardiac sounds in the longterm survivor (human).
- PO1HL-13108-05 0027 (HEP) WEXLER, LEWIS. Clinical heart transplantation—Coronary arteriography in the longterm survivor (human).
- PO1HL-13108-05 0028 (HEP) WEXLER, LEWIS. Clinical heart transplantation—Left ventricular volume studies in the longterm transplant survivor (human).
- PO1HL-13108-05 0029 (HEP) WEXLER, LEWIS. Clinical heart transplantation—Performance dynamics of the longterm heart transplant (human).
- PO1HL-13108-05 0030 (HEP) WEXLER, LEWIS. Clinical heart transplantation—Myocardial blood flow patterns in the cardiac transplant (human).
- PO1HL-13108-05 0031 (HEP) WEXLER, LEWIS. Clinical heart transplantation—Circulatory response to hypoxia in the denervated transplanted heart (human).
- PO1HL-13108-05 0032 (HEP) RIDER, ALAN. Clinical heart transplantation—Characterization of serum lipoprotein abnormalities (human).
- PO1HL-13108-05 0033 (HEP) RIDER, ALAN. Clinical heart transplantation—Pre-existing heart disease and development of atherosclerosis posttransplantation.
- PO1HL-13108-05 0034 (HEP) RIDER, ALAN. Clinical heart transplantation—The donor heart (human).
- PO1HL-13108-05 0035 (HEP) RIDER, ALAN. Clinical heart transplantation—Effect of steroids on lipoprotein levels (human).
- PO1HL-13108-05 0036 (HEP) RIDER, ALAN. Clinical heart transplantation—Lipoprotein abnormalities in the transplanted heart patient.
- PO1HL-13108-05 0037 (HEP) RIDER, ALAN. Clinical heart transplantation—Lipoproteins in the pathogenesis of atherosclerosis in transplanted human heart.
- PO1HL-13108-05 0038 (HEP) RIDER, ALAN. Clinical heart transplantation—Frequency of lipoprotein antigen in donors and recipients (human).
- PO1HL-13108-05 0039 (HEP) RIDER, ALAN. Clinical heart transplantation—Lipoprotein antigen in the post transplant period (human).
- PO1HL-13108-05 0040 (HEP) RIDER, ALAN. Clinical heart transplantation—Serial changes in lipoprotein antigen titer in myocardial infarct (human).
- PO1HL-13108-05 0041 (HEP) RIDER, ALAN. Clinical heart transplantation—Further characterization of lipoprotein antigen (human).
- PO1HL-13108-05 0042 (HEP) RIDER, ALAN. Clinical heart transplantation—Electrophoretic properties of lipoprotein antigen (human).
- PO1HL-13108-05 0043 (HEP) RIDER, ALAN. Clinical heart transplantation—Immunohistochemical characterization of lipoprotein antigen (human).
- PO1HL-13108-05 0044 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Pathology of the transplanted heart (human).
- PO1HL-13108-05 0045 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Donor and recipient hearts (human).
- PO1HL-13108-05 0046 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Special study of the conduction tissue (human).
- PO1HL-13108-05 0047 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Proliferating cells of atherosclerotic allografted coronary arteries (human).
- PO1HL-13108-05 0048 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Pathogenesis of the atherosclerotic lesion in the transplanted heart (human).
- PO1HL-13108-05 0049 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Lipoprotein origin in the transplanted heart (human).
- PO1HL-13108-05 0050 (HEP) BIEBER, CHARLES. Clinical heart transplantation—Recipient sera and the presence of allograft directed antibodies (human).
- RO1HL-13111-03 (BBCB) SIMPLICIO, JON, UNIVERSITY OF MIAMI, DEPT OF CHEMISTRY, CORAL GABLES, FLA. Primary process of modified hemoglobin interactions.
- RO1HL-13114-05 (CVA) BAKER, LEE E, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Genesis of thoracic electrical impedance changes.
- RO1HL-13132-03 (BBCA) GILL, STANLEY J, UNIVERSITY OF COLORADO, DEPARTMENT OF CHEMISTRY, BOULDER, COLO. Calorimetric studies of heme-protein ligand reactions (human, sheep, cattle).
- RO1HL-13134-04 (CVA) NAIR, PANKAJAM, ST VINCENT CHARITY HOSPITAL, 2351 EAST 22ND STREET, CLEVELAND, OHIO. Mechanism of chemoreceptor discharge (cats).
- RO1HL-13145-04 (HEM) BOWIE, E J, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Von Willebrand's disease (swine).
- RO1HL-13155-05 (HEM) NIEBETZ, JULIAN, VETERANS ADMINISTRATION HOSP, 130 W KINGSBRIDGE ROAD, BROOK, N Y. Procoagulant activity of leukocytes (human, rabbits).
- RO1HL-13157-05 (BBCA) HERS, JAMES A, NORTHWESTERN UNIVERSITY, DEPT OF CHEMISTRY, EVANSTON, ILL. Molecular oxygen carriers—Synthesis, structure, bonding.
- RO1HL-13160-04 (HEM) PENTON, JOHN W, 2D, NEW YORK STATE DEPT OF HEALTH, NEW SCOTLAND AVENUE, ALBANY, N Y. Specific labeling and sequencing of human thrombin.
- RO1HL-13164-04 (BBCA) BUCCI, ENRICO, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Interaction of the alpha and beta chains of human hemoglobin.
- RO1HL-13166-05 (BBCB) KEGELES, GERSON, UNIVERSITY OF CONNECTICUT, BOX U-125, STORRS, CONN. Ultracentrifuge studies of reversible aggregation (lobsters).
- RO1HL-13167-05 (CBY) WEGLUCKI, WILLIAM B, 360 HAMMOND STREET, CHESTNUT HILL, MASS. Myocardial organelle lipid structure and function (dogs, hamsters).
- RO1HL-13172-05 (SOYB) PETERS, RICHARD M, UNIV HOSPITAL OF SAN DIEGO, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Post-trauma mechanics and pulmonary hypertension (human, dogs, monkeys).
- RO1HL-13187-05 (PHRA) GEBBER, GERARD L, MICHIGAN STATE UNIVERSITY, DEPT OF PHARMACOLOGY, EAST LANSING, MICH. Central neural control of cardiovascular function.
- RO1HL-13187-05 0003 (PHRA) TAYLOR, DAVID. Central neural control of cardiovascular function—Modulation of baroreceptor reflexes (cats).
- RO1HL-13187-05 0007 (PHRA) SNYDER, DAVID. Central neural control of cardiovascular function—Central sympathetic nervous inhibition (cats).
- RO1HL-13187-05 0008 (PHRA) ZIBLINSKI, ANDRZEJ. Central neural control of cardiovascular function—Central organization of cardiac vagal reflex pathway (cats).
- RO1HL-13187-05 0009 (PHRA) GEBBER, GERARD L. Central neural control of cardiovascular function—Brain stem sympathetic and cardiac vagal reflex pathways (cats).
- RO1HL-13188-05 (BBCB) PRICE, PRASER P, UNIVERSITY OF MASSACHUSETTS, POLYMER RESEARCH INSTITUTE, AMHERST, MASS. Transformation kinetics in mesophases.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01HL-13191-04 (CVA) KATZ, ARNOLD M, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVENUE, NEW YORK, N Y 10029. Actions of drugs and ions on cardiac membranes (human, rabbits, guinea pigs).
- R01HL-13193-05 (SGYB) RUSH, BENJAMIN F, JR, NEW JERSEY MEDICAL SCHOOL, COLL OF MEDICINE & DENTISTRY, NEWARK, N J. Pathophysiology of post-traumatic and shock states (dogs, rats).
- R01HL-13198-17 (BBCA) WAUGH, DAVID F, MASS INSTITUTE OF TECHNOLOGY, BUILDING 56-335, CAMBRIDGE, MASS. Protein interactions and physico-chemical properties.
- R01HL-13198-17 0001 (BBCA) WAUGH, DAVID F. Protein interactions and physico-chemical properties—Determination of thrombin concentration (cattle).
- R01HL-13198-17 0002 (BBCA) WAUGH, DAVID F. Protein interactions and physico-chemical properties—Prothrombin-thrombin conversion (rabbits).
- R01HL-13198-17 0003 (BBCA) WAUGH, DAVID F. Protein interactions and physico-chemical properties—Reversible manipulation of platelets (cattle, human).
- R01HL-13205-04 (AFY) LOPEZ-S, ALFREDO, LOUISIANA STATE UNIV CTR, 1542 TULANE AVENUE, NEW ORLEANS, LA. Nutrition and exercise in obesity and heart disease (human, mammals).
- R01HL-13207-04 (CVB) HARRIS, PATRICK D, UNIVERSITY OF MISSOURI, DEPARTMENT OF PHYSIOLOGY, COLUMBIA, MO. Small vessel mechanisms during hemorrhagic shock (bats, rats).
- R01HL-13222-05 (CVB) WEXLER, BERNARD C, MAY INST FOR MEDICAL RESEARCH, 421 RIDGEWAY, CINCINNATI, OHIO. Connective tissue in myocardial infarction (rats).
- R01HL-13233-05 (AFY) HILDEBRANDT, JUDITH, VIRGINIA MASON RESEARCH CENTER, 1000 SENECA STREET, SEATTLE, WASH. Regulation of respiration in exercise (human).
- R01HL-13237-04 (PHY) LEE, PING, WEST VIRGINIA UNIVERSITY, DEPT OF PHYSIO & BIOPHYSICS, MORGANTOWN, W VA. Erythrocytes during early development (human, animals).
- R01HL-13238-03 (CVA) SCHWINGHAMER, JAMES M, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, EAST LANSING, MICH. Cardiovascular responses to hypothermia (dogs).
- R01HL-13254-05 (PHY) VIDAYER, GEORGE A, UNIVERSITY OF NEBRASKA, DEPARTMENT OF CHEMISTRY, LINCOLN, NEBR. Amino acid transport by red cells (pigeons).
- R01HL-13257-05 (SOYA) MERIN, ROBERT G, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Inhalation anesthesia on myocardial metabolism (dogs, human, rats).
- P01HL-13262-02 (HEP) HOLLANDER, WILLIAM, BOSTON UNIVERSITY SCH OF MED, 85 EAST CONCORD STREET, BOSTON, MASS. Arterial wall in atherosclerosis.
- P01HL-13262-02 0011 (HEP) HOLLANDER, WILLIAM. Arterial wall in atherosclerosis—Role of hypertension in atherosclerosis (human, animals).
- P01HL-13262-02 0012 (HEP) FRANBLAU, CARL. Arterial wall in atherosclerosis—Characterization of connective tissue components (animals).
- P01HL-13262-02 0013 (HEP) CHOBANIAN, ARAN V. Arterial wall in atherosclerosis—Atherosclerosis and arterial lipid metabolism (human, animals).
- P01HL-13262-02 0014 (HEP) FILLOS, LOUIS. Arterial wall in atherosclerosis—Dietary and endocrine factors on lipoprotein synthesis (rats, monkeys).
- P01HL-13262-02 0015 (HEP) KOGAN, HERBERT M. Arterial wall in atherosclerosis—Crosslinkage biosynthesis in aortic elastin and collagen (animals).
- P01HL-13262-02 0016 (HEP) KRAMSCH, DIETER M. Arterial wall in atherosclerosis—Lipids in elastin preparations from atherosclerotic plaques (human, animals).
- P01HL-13262-02 0017 (HEP) MCCOMBS, H LOUIS. Arterial wall in atherosclerosis—Fine structure of hypertensive and atherosclerotic vessels (animals).
- P01HL-13262-02 0018 (HEP) SCHMID, KARL. Arterial wall in atherosclerosis—Vasoactive factors of human plasma.
- P01HL-13262-02 0019 (HEP) SCHMID, KARL. Arterial wall in atherosclerosis—Glycoproteins in the formation striated collagen.
- P01HL-13262-02 0020 (HEP) TEAGER, HERBERT. Arterial wall in atherosclerosis—Electrocardiograms by radiotelemetry (monkeys).
- R01HL-13293-03 (PC) ZUCKER, WILLIAM V, UNIVERSITY OF ARIZONA, DEPT BIOLOGICAL SCIENCES, TUCSON, ARIZ. Regulation and control of hemoglobin synthesis (rabbits).
- R01HL-13296-04 (HEM) MASON, REGINALD G, JR, UNIV OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Blood platelets membranes, aggregation and adhesion (humans).
- R01HL-13302-05 (MET) ONTKO, JOSEPH A, OKLAHOMA MEDICAL RESEARCH FDN, 825 NORTHEAST THIRTEENTH ST, OKLAHOMA CITY, OKLA. Uptake and metabolism of lipids by the liver (rats).
- R01HL-13304-05 (MET) BROWN, WILLIAM V, UNIV OF CALIFORNIA, SAN DIEGO, 5098 BASIC SCIENCE BUILDING, LA JOLLA, CALIF. Structure of human plasma lipoproteins (human, swine).
- R01HL-13306-04 (PHRA) TSIEN, RICHARD W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Electrophysiology of heart muscle (cattle).
- R01HL-13315-05 (PHRA) GILLIS, CHARLES N, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Disposition of vasoactive amines in lung (rats, rabbits, human).
- R01HL-13317-04 (CVA) MORKIN, EUGENE, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Cellular mechanisms in cardiac hypertrophy (rabbits, calves).
- R01HL-13321-04 (CVA) GETTES, LEONARD S, UNIVERSITY OF KENTUCKY, MEDICAL CENTER, ROOM MN 680, LEXINGTON, KY. Effect of drugs on Purkinje and ventricular fibers (dogs, guinea pigs).
- R01HL-13322-05 (CVB) BLOCH, EDWARD H, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Microscopy of living nephron (hamsters).
- R01HL-13323-05 (CVB) HEBERT, LEE A, MILWAUKEE COUNTY GENERAL HOSP, 8700 WEST WISCONSIN AVENUE, MILWAUKEE, WIS. Intrarenal pressure and renal function (dogs).
- R01HL-13329-04 (EDC) HARBURG, ERNEST, PROGRAM FOR URBAN HLTH RES, 405 S 4TH STREET, ANN ARBOR, MICH. Stress and heredity factors related to blood pressure (human).
- P01HL-13330-05 (HEP) KENNEDY, JOHN H, BAYLOR COLLEGE OF MEDICINE, 1200 MOORSUND AVENUE, HOUSTON, TEX. Mechanical circulatory support.
- P01HL-13330-05 0031 (HEP) WIETING, DAVID W. Mechanical circulatory support—Flow dynamics laboratory (human, cattle).
- P01HL-13330-05 0034 (HEP) DEBAKEY, M E. Mechanical circulatory support—Mechanical circulatory respiratory assistance (human).
- P01HL-13330-05 0036 (HEP) ROSS, JAMES N. Mechanical circulatory support—Left ventricular bypass (calves).
- P01HL-13330-05 0037 (HEP) ROSS, JAMES N. Mechanical circulatory support—Closed-chest ventricular bypass (calves, dogs).
- P01HL-13330-05 0038 (HEP) ROSS, JAMES N. Mechanical circulatory support—Closed-chest, left ventricular bypass (calves, dogs).
- P01HL-13330-05 0039 (HEP) ROSS, JAMES N. Mechanical circulatory support—Intra-aortic balloon pumping (dogs, calves).
- P01HL-13330-05 0040 (HEP) ROSS, JAMES N. Mechanical circulatory support—Total orthotopic cardiac prosthesis (calves).
- P01HL-13330-05 0041 (HEP) ROSS, JAMES N. Mechanical circulatory support—Indices of ventricular function and cardiovascular status (calves, dogs, ponies).
- P01HL-13330-05 0042 (HEP) ROSS, JAMES N. Mechanical circulatory support—Calf room.
- P01HL-13330-05 0043 (HEP) MEYER, JOHN S. Mechanical circulatory support—Total cardiac prosthesis implantation.
- P01HL-13330-05 0044 (HEP) KENNEDY, JOHN H. Mechanical circulatory support—Mechanical circulatory assistance (dogs).
- P01HL-13330-05 0045 (HEP) BAKER, LEE E. Mechanical circulatory support—Electrical impedance technique for measuring cardio-pulmonary parameters (dogs).
- P01HL-13330-05 0046 (HEP) MCCOLLUM, W B. Mechanical circulatory support—Acute ischemic myocardial infarction.
- P01HL-13330-05 0047 (HEP) MCCOLLUM, W B. Mechanical circulatory support—Clinical aspects electron microscopy of the anoxic left ventricle.
- P01HL-13330-05 0048 (HEP) NORMANN, NILS A. Mechanical circulatory support—Cardiac sympathetic involvement in myocardial infarction.
- P01HL-13330-05 0049 (HEP) NORMANN, NILS A. Mechanical circulatory support—Neural equivalents of angina pectoris.
- P01HL-13330-05 0050 (HEP) NORMANN, NILS A. Mechanical circulatory support—Renal sympathetic flow.
- P01HL-13330-05 0051 (HEP) NORMANN, NILS A. Mechanical circulatory support—Control systems for mechanical circulatory assistance.
- P01HL-13330-05 0052 (HEP) AKERS, WILLIAM W. Mechanical circulatory support—Prototype development, circulatory assist devices (calves).
- P01HL-13330-05 0053 (HEP) WIETING, DAVID W. Mechanical circulatory support—Dynamics of blood flow in heart valves and prosthetic devices.
- P01HL-13330-05 0054 (HEP) HWANG, NED H. Mechanical circulatory support—Dynamics and prevention of traumatic gas embolism.
- P01HL-13330-05 0055 (HEP) WIETING, DAVID W. Mechanical circulatory support—Fibrin deposition, thrombus formation and blood flow.
- P01HL-13330-05 0056 (HEP) ARMENIADES, C D. Mechanical circulatory support—Biomaterials research.
- P01HL-13330-05 0057 (HEP) ALFREY, CLARENCE P. Mechanical circulatory support—Blood trauma.
- P01HL-13330-05 0058 (HEP) HORNING, E C. Mechanical circulatory support—Mechanical circulatory assistance and the metabolic pool of body lipids.
- R01HL-13334-05 (CVB) HRUZA, ZDENEK, N Y UNIVERSITY RESEARCH CENTER, GOLDWATER HOSPITAL, ROOSEVELT ISLAND, N Y. Protective mechanisms in shock (rabbits, rats).
- R01HL-13336-05 (HEM) KARPATKIN, SIMON, NEW YORK UNIV MEDICAL CTR, 550 FIRST AVENUE, NEW YORK, N Y. Biochemistry and physiology of human platelets (rabbits).
- R01HL-13338-06 (HEM) MIZUKAMI, HIROSHI, WAYNE STATE UNIVERSITY, RM 205 SCIENCE HALL, DETROIT, MICH. Oxygen transport and chemical contents of erythrocytes (human).
- R01HL-13339-05 (PHRA) PAPPANO, ACHILLES J, UNIV OF CONN HEALTH CNTR, DEPT OF PHARMACOLOGY, FARMINGTON, CONN. Pharmacology of developing cardiac tissues (chick embryo).
- R01HL-13341-04 (SGYB) WITTE, CHARLES L, ARIZONA MEDICAL CENTER, 1501 NORTH CAMPBELL AVENUE, TUCSON, ARIZ. Lymph—An indicator of splanchnic tissue respiration (dogs, human).
- R01HL-13349-05 (PHY) SLEATOR, WILLIAM W, UNIVERSITY OF ILLINOIS, 524 BURRILL HALL, URBANA, ILL. Analysis of activation process in heart muscle (guinea pigs, rabbits, human).
- R01HL-13368-05 (GMB) CHRISTLIEB, A RICHARD, JOSLIN DIABETES FOUNDATION, IN, 170 PILGRIM ROAD, BOSTON, MASS. Angiotensin and hypertension (human, rats).
- R01HL-13373-05 (CVA) DAVIS, LARRY D, UNIVERSITY OF WISCONSIN, DEPARTMENT OF PHYSIOLOGY, MADISON, WIS. Cellular potential changes causing cardiac arrhythmias (dogs).
- R01HL-13379-04 (HEM) OTTENBRITE, RAPHAEL M, VIRGINIA COMMONWEALTH UNIV, DEPT OF CHEM & PHARM CHEM, RICHMOND, VA. Synthesis of clotting and lysing compounds.
- R01HL-13388-05 (HEM) TRIANTAPHYLLOPOULOS, D, AMERICAN NATIONAL RED CROSS, 9312 OLD GEORGETOWN ROAD, BETHESDA, MD. Fibrinogen and fibrin derivatives (human).
- R01HL-13389-04 (IMB) STEBLAY, RAYMOND, NEW YORK STATE DEPT OF HEALTH, 120 NEW SCOTLAND AVENUE, ALBANY, N Y. Specificity of human nephrotoxic antigens (rodents).
- R01HL-13394-05 (MET) ROHEM, PAUL S, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N Y. Hyperlipoproteinemia (rats).
- R01HL-13398-05 (PTHA) LIEBERMAN, JACK, CITY OF HOPE NATL MED CENTER, 1500 E DUARTE ROAD, DUARTE, CALIF. Alpha-1 antitrypsin deficiency in pulmonary emphysema (human).
- R01HL-13399-12 (BBCB) PEISACH, JACK, ALBERT EINSTEIN COLLEGE MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Heme protein structure and function (human, bacteria, sea cucumbers).
- R01HL-13405-04 (MET) LONGMORE, WILLIAM J, ST LOUIS UNIVERSITY, 1402 S GRAND BOULEVARD, ST LOUIS, MO. Regulation of lipid metabolism in the lung (rats).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
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- RO1HL-13408-04 (GMB) DAHL, LEWIS K, BROOKHAVEN NATIONAL LAB, MEDICAL RESEARCH CENTER, UPTON, N. Y. Environmental-genetic interactions in hypertension (rats).
- RO1HL-13412-12 (MCHA) BASOLO, FRED, NORTHWESTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, EVANSTON, ILL. Synthetic oxygen carriers.
- RO1HL-13414-04 (CVB) WANG, CHIU-SEN, SYRACUSE UNIVERSITY, DEPT-CHEM ENGR & MATERIALS SCI, SYRACUSE, N. Y. Behavior of aerosol particles in internal flows.
- RO1HL-13419-08 (CVA) MITCHELL, ROGER S, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Correlation of pre- and postmortem function (human).
- RO1HL-13423-04 (HEM) CASTELLINO, FRANCIS J, NOTRE DAME UNIVERSITY, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. Structure-function studies of plasminogen and plasmin (human, animals).
- RO1HL-13426-04 (SGVB) PIERCE, WILLIAM S, PENNSYLVANIA STATE UNIVERSITY, DEPT OF SURGERY, HERSHEY, PA. Left ventricular bypass for myocardial infarction (cattle).
- RO1HL-13427-04 (CVA) GILMORE, JOSEPH P, UNIVERSITY OF NEBRASKA MED CTR, 42ND & DEWEY STREETS, OMAHA, NEBR. Neural control of blood volume (dogs).
- RO1HL-13429-04 (CVA) HAMPTON, JAMES C, PACIFIC NORTHWEST LABORATORIES, BIOLOGY DEPARTMENT, RICHLAND, WASH. Capillary fine structure and permeability (mice, rabbits).
- RO1HL-13437-04 (CVB) GORE, ROBERT W, UNIVERSITY OF ARIZONA, DEPARTMENT OF PHYSIOLOGY, TUCSON, ARIZ. Physical and mechanical parameters in the microcirculation (animals).
- RO1HL-13441-04 (CVB) FRANKLIN, DEAN L, SCRIPPS CLINIC & RES FDM, 476 PROSPECT STREET, LA JOLLA, CALIF. Cardiovascular instrumentation development (dogs).
- RO1HL-13443-03 (APY) FERRANTE, FRANK L, 100 BERGEN STREET, NEWARK, N. J. Evaluation of oxygen conserving reflexes (nutria, dogs, rabbits).
- RO1HL-13444-04 (CVB) FABER, JAN J, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Prenatal hemodynamics (sheep).
- RO1HL-13453-04 (CVB) BRASHEAR, RICHARD E, INDIANA UNIVERSITY MED CTR, 1100 W MICHIGAN STREET, INDIANAPOLIS, IND. Hemodynamic response to elevated CSF pressure (dogs).
- RO1HL-13454-04 (CVB) CORLEY, KARL C, JR, VIRGINIA COMMONWEALTH UNIV, DEPARTMENT OF PHYSIOLOGY, RICHMOND, VA. Behavioral stress and cardiomyopathy (monkeys, rats).
- RO1HL-13466-04 (SGVB) SCHWARTZ, SEYMOUR I, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Pulmonary platelets in shock, trauma and embolization.
- RO1HL-13476-04 (GMB) HORTON, RICHARD, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Plasma aldosterone in normal and hypertensive man.
- PO1HL-13480-04 (HEP) ABILDSKOV, J A, UNIV OF UTAH MEDICAL CENTER, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Cardiac electrophysiology.
- PO1HL-13480-04 0002 (HEP) MILLAR, KAY. Cardiac electrophysiology—Development of isolated heart preparation for electrocardiography research (dogs).
- PO1HL-13480-04 0010 (HEP) BROWN, ARTHUR M. Cardiac electrophysiology—Measurement of intracellular electrolytes (cats, barnacles, aplysia).
- PO1HL-13480-04 0014 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Ventricular rhythm and atrial fibrillation (dogs).
- PO1HL-13480-04 0015 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Graphic studies of QRS complex (human, dogs).
- PO1HL-13480-04 0016 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Ventricular gradient and ventricular activation order (dogs).
- PO1HL-13480-04 0017 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Multiplexing circuitry for body surface isopotential mapping (human, rabbit).
- PO1HL-13480-04 0018 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Cardiac sympathetic nerve activity (rabbits).
- PO1HL-13400-04 0019 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Pacemaker cells of abdominal ganglion (aplysia).
- PO1HL-13480-04 0020 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Barnacle photoreceptor cells.
- PO1HL-13480-04 0021 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Fibrillation threshold studies.
- PO1HL-13480-04 0022 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Stimulating cardiac nerves and cardiac rhythm.
- PO1HL-13480-04 0023 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Electrode for study of local cardiac recovery properties.
- PO1HL-13480-04 0024 (HEP) ABILDSKOV, J A. Cardiac electrophysiology—Vagal effects on hemodynamic state.
- RO1HL-13488-03 (SGYA) ENGELMAN, RICHARD M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Prolonged left heart bypass without anticoagulation (dogs).
- RO1HL-13503-03 (CVA) LIEBMAN, JEROME, CASE WESTERN RESERVE UNIV, 2040 ADELBERT ROAD, CLEVELAND, OHIO. Quantitation display of electrocardiographic data.
- RO1HL-13505-04 (CBY) FISCHMAN, DONALD A, 1103 EAST 57TH STREET, CHICAGO, ILL. Intercellular junctions in cardiac morphogenesis (rats, chickens).
- RO1HL-13513-03 (PHY) SOLOMON, ARTHUR K, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Use of cell inhomogeneity to understand cation fluxes (dogs).
- PO1HL-13517-04 (HEP) DODGE, HAROLD T, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Circulatory performance and prediction.
- PO1HL-13517-04 0001 (HEP) BRUCE, ROBERT A. Circulatory performance and prediction—Exercise and ECG cardiovascular mechanisms of anaerobic impairment (human).
- PO1HL-13517-04 0004 (HEP) DODGE, HAROLD T. Circulatory performance and prediction—Functional characteristics of the ventricle and atrium (human).
- PO1HL-13517-04 0005 (HEP) STREETER, DANIEL D. Circulatory performance and prediction—Myocardial mechanics determined by ventricular fiber geometry (human, animal).
- PO1HL-13517-04 0006 (HEP) POLLOCK, GERALD H. Circulatory performance and prediction—Cardiac muscle performance dynamics of component fibers (cats, rats, rabbits).
- PO1HL-13517-04 0007 (HEP) MERENDINO, K ALVIN. Circulatory performance and prediction—Surgical approach to cardiac problems and their validity (children, lambs).
- PO1HL-13517-04 0008 (HEP) GUNTHEROTH, WARREN G. Circulatory performance and prediction—Relationship of venous return to circulatory performance (dogs).
- PO1HL-13517-04 0009 (HEP) DODGE, HAROLD T. Circulatory performance and prediction—Clinical instrumentation evaluation.
- PO1HL-13517-04 0010 (HEP) JOHNSON, STEVE J. Circulatory performance and prediction—Ultrasonic devices indicating cardiac performance (human, dogs, primates).
- PO1HL-13517-04 0011 (HEP) STRANDNESS, D B. Circulatory performance and prediction—Evaluation of diagnostic techniques in arterial occlusive disease (human, dogs).
- PO1HL-13517-04 0012 (HEP) JOHNSON, CURTIS. Circulatory performance and prediction—Pressure, cardiac output, and oxygen saturation by fiber-optics (human, animals).
- PO1HL-13517-04 0013 (HEP) HOLDEN, ALJSTAIR. Circulatory performance and prediction—Automatic processing of angiographic data (animals).
- PO1HL-13517-04 0014 (HEP) SCHER, ALLEN M. Circulatory performance and prediction—Baroreceptor reflexes in man (and animals).
- PO1HL-13517-04 0015 (HEP) REICHENBACH, D. Circulatory performance and prediction—Cardiovascular pathology care facility.
- PO1HL-13517-04 0016 (HEP) DODGE, HAROLD T. Circulatory performance and prediction—Core computer facility.
- PO1HL-13517-04 0017 (HEP) MURRAY, JOHN A. Circulatory performance and prediction—Core cardiac catheterization (human).
- PO1HL-13517-04 0018 (HEP) DODGE, HAROLD T. Circulatory performance and prediction—Core heart catheterization and radiography (animals).
- PO1HL-13517-04 0019 (HEP) DODGE, HAROLD T. Circulatory performance and prediction—Core hospital bed unit.
- PO1HL-13517-04 0020 (HEP) VINCENZI, FRANK F. Circulatory performance and prediction—Factors influencing the rate of onset of cardiotoxic steroid action (rabbits).
- PO1HL-13517-04 0021 (HEP) HAMILTON, GLEN W. Circulatory performance and prediction—Quantifying the size of ischemic infarcted /scarred myocardium (dogs).
- RO1HL-13524-04 (CVB) SILVESTER, RONALD H, RANCHO LOS AMIGOS HOSPITAL, 7601 EAST IMPERIAL HIGHWAY, DOWNEY, CALIF. Analysis of infarction with conduction abnormalities (dogs, human).
- RO1HL-13527-04 (BBCB) SIMON, SANFORD R, S U N Y - AT STONY BROOK, DEPARTMENT OF BIOCHEMISTRY, STONY BROOK, N. Y. Conformation studies on modified hemoglobins.
- RO1HL-13532-04 (CVA) PENGBELLEY, ERIC T, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGY, RIVERSIDE, CALIF. Ultrastructure and lipid analysis of Hibernator Heart (animals).
- RO1HL-13572-03 (SGYA) ZABRISKIE, JOHN B, ROCKEFELLER UNIVERSITY, 1230 YORK AVENUE, NEW YORK, N. Y. Cellular and humoral reactions in transplantation (rabbits).
- RO1HL-13581-07 (MCHB) TRAYLOR, TEDDY G, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Reactions of oxygen with heme proteins.
- RO1HL-13584-03 (HEM) COHEN, PHIN, HARVARD SCH OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Platelet preservation related to energy metabolism (human).
- RO1HL-13587-03 (MCHA) TURCOTTE, JOSEPH G, UNIVERSITY OF RHODE ISLAND, LOWER COLLEGE ROAD, KINGSTON, R. I. Synthesis and pharmacology of renin inhibitors (rats).
- RO1HL-13591-04 (BBCA) EDELSTEIN, STUART J, CORNELL UNIVERSITY, WING HALL, ITHACA, N. Y. Subunit interactions and hemoglobin pathology.
- RO1HL-13594-04 (HEM) HOYER, LEON W, UNIV OF CONNECTICUT, SCHOOL OF MEDICINE, FARMINGTON, CONN. Studies of erythrocyte antigen site density (human, animals).
- RO1HL-13595-04 (CVB) KRAKOFF, LAWRENCE R, MOUNT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE AND 100TH STREET, NEW YORK, N. Y. Renin and vascular hyper-reactivity in hypertension (human).
- RO1HL-13594-04 (CVA) MEYER, EDWARD C, MERCY CATHOLIC MEDICAL CTR, LANSDOWNE AVE & BAILY ROAD, DARBY, PA. The absorption of protein from azeoli (dogs).
- RO1HL-13598-03 (HEM) PIRKLE, HUBERT C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PATHOLOGY, IRVINE, CALIF. Prothrombin activation (human, cattle).
- RO1HL-13607-04 (PHRA) DE QUATTRO, VINCENT L, WHITE MEMORIAL MEDICAL CENTER, 1720 BROOKLYN AVENUE, LOS ANGELES, CALIF. Role of catecholamines in hypertension (human).
- RO1HL-13608-05 (BDC) SPODICK, DAVID H, LEMUEL SHATTUCK HOSPITAL, 170 WORTON STREET, BOSTON, MASS. Comprehensive polygraphic screening for heart disease.
- RO1HL-13609-04 (PTHA) MC CANN, DAISY S, WAYNE COUNTY GENERAL HOSPITAL, ELOISE, MICH. Aortic connective tissue in induced atherosclerosis (rabbits, rats).
- RO1HL-13611-06 (GMB) BONAR, JIRANNE R, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Radioimmunoassay of endogenous human renin (and dogs, rabbits).
- RO1HL-13612-04 (MET) HO, KANG-JEY, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. Human arteriosclerosis.
- RO1HL-13612-04 0003 (MET) HO, KANG-JEY. Human arteriosclerosis—Cholesterol metabolism—Diffusion model vs compartment model in kinetics.
- RO1HL-13612-04 0004 (MET) HO, KANG-JEY. Human arteriosclerosis—Cholesterol metabolism—Regulation of serum levels in man.
- RO1HL-13612-04 0005 (MET) KANG-JEY. Human arteriosclerosis—Cholesterol metabolism—Role of intestinal mucosa (rats).
- RO1HL-13612-04 0006 (MET) HO, KANG-JEY. Human arteriosclerosis—Cholesterol metabolism—Intestinal resection.
- RO1HL-13612-04 0007 (MET) HO, KANG-JEY. Human arteriosclerosis—Cholesterol metabolism—Laghorn chickens with hereditary hyperlipidemia.
- RO1HL-13612-04 0008 (MET) HO, KANG-JEY. Human arteriosclerosis—Cholesterol metabolism—Isolated liver perfusion technique (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HL-13612-04 0009 (MET) HO, KANG-JEY. Human arteriosclerosis-Cholesterol metabolism-Tissue cholesterol accumulation (rabbits).
- RO1HL-13612-04 0010 (MET) HO, KANG-JEY. Human arteriosclerosis-Atherosclerosis-Serum cholesterol and vascular intimal injury (rabbits).
- RO1HL-13612-04 0011 (MET) HO, KANG-JEY. Human arteriosclerosis-Atherosclerosis-Role of aortic acid mucopolysaccharide (rabbits).
- RO1HL-13612-04 0012 (MET) HO, KANG-JEY. Human arteriosclerosis-Atherosclerosis-Endogenous hyperlipidemia in chickens.
- RO1HL-13616-05 (CVA) ELLISON, JEFFREY P, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Morphology of reflexogenic zones of heart (cats, monkeys).
- RO1HL-13618-04 (PHRA) KALMAN, SUMNER M, STANFORD UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, STANFORD, CALIF. Drug dosage in man-Initial studies with digoxin.
- RO1HL-13619-05 (BIO) MASTERS, BETTIE S, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Microsomal electron transport.
- RO1HL-13619-05 0001 (BIO) MASTERS, BETTIE S. Microsomal electron transport-Liver electron transport (pigs).
- RO1HL-13619-05 0002 (BIO) MASTERS, BETTIE S. Microsomal electron transport-Extra hepatic electron transport (pigs).
- RO1HL-13619-05 0003 (BIO) KUMA, PUNJO. Microsomal electron transport-Erythrocyte electron transport and methemoglobin (human).
- RO1HL-13623-05 (CVB) GOETZ, KENNETH L, ST LUKE'S HOSPITAL, WORNALL ROAD AT 44TH STREET, KANSAS CITY, MO. Atrial receptors (dogs).
- RO1HL-13624-04 (GMB) MC GUFF, JOHN C, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Regulation of renal circulation and salt excretion (human, dogs, rats).
- RO1HL-13625-05 (RAD) BONTE, FREDERICK J, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Radionuclide study of regional myocardial blood flow (dogs, human).
- RO1HL-13626-03 (MET) WILSON, DANA E, UNIVERSITY OF UTAH, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Lipoprotein and lipoprotein removal mechanisms (human, rabbits, cattle).
- RO1HL-13629-05 (HEM) ASTER, RICHARD H, MILWAUKEE BLOOD CENTER, INC, 763 NORTH 18TH STREET, MILWAUKEE, WIS. Hemorrhagic diseases (human, rats, dogs).
- RO1HL-13638-04 (PC) THOMAS, JAMES A, IOWA STATE UNIVERSITY, DEPT OF BIOCHEM & BIOPHYSICS, AMES, IOWA. Control of glycogen synthesis in heart (cattle).
- RO1HL-13632-04 (PTHA) JACKSON, ROBERT L, UNIVERSITY OF MISSOURI, DEPARTMENT OF PEDIATRICS, COLUMBIA, MO. Vascular changes in diabetes mellitus (human).
- RO1HL-13634-03 (CVB) BRINMAN, CHARLES R, 3D, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Renal hypertension in pregnancy (sheep).
- RO1HL-13636-04 (MET) BRESSLER, RUBIN, UNIVERSITY OF ARIZONA, COLLEGE OF MEDICINE, TUCSON, ARIZ. Effects of pharmacologic agents on heart metabolism (human, dogs, rats, cattle).
- RO1HL-13639-04 (CVA) WILLIAMS, JOHN F, JR, UNIVERSITY OF TEXAS, DEPARTMENT OF MEDICINE, GALVESTON, TEX. Factors altering the course of myocardial dysfunction (cats).
- RO1HL-13645-07 (MET) CARLSON, JAMES R, WASHINGTON STATE UNIVERSITY, DEPT OF ANIMAL SCIENCES, PULLMAN, WASH. Tryptophan-induced pulmonary emphysema (cattle, goats).
- RO1HL-13647-03 (GMB) HAYSLETT, JOHN P, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Mechanisms controlling renal reabsorption of sodium (rats, neoturus).
- RO1HL-13651-03 (BBGB) HAYES, ROBERT G, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. X-ray photoelectron spectroscopy of heme compounds.
- RO1HL-13652-04 (BBGB) HENDRICKSON, DAVID N, UNIVERSITY OF ILLINOIS, SCHOOL OF CHEMICAL SCIENCES, URBANA, ILL. Metal sites in metalloproteins.
- RO1HL-13653-04 (CVB) FERRIS, THOMAS F, OHIO STATE UNIVERSITY, 410 W TENTH AVE, DEPT OF MED, COLUMBUS, OHIO. Physiology of renin, aldosterone and prostaglandin (rabbits).
- RO1HL-13654-03 (CVA) COFFMAN, JAY D, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Antilipemic regimes in peripheral arteriosclerosis (human).
- RO1HL-13658-03 (SGYA) SCHUDER, JOHN C, UNIVERSITY OF MISSOURI, DEPARTMENT OF SURGERY, COLUMBIA, MO. Stand-by automatic implanted defibrillation system (dogs).
- RO1HL-13660-08 (VIS) GALIN, MILES A, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVENUE, NEW YORK, N. Y. Cerebral circulation by study of the ocular pulse (human).
- RO1HL-13666-03 (SSS) ROBERTS, JAY, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Pharmacologic studies on the genesis of cardiac arrhythmia (rabbits, cats).
- RO1HL-13667-08 (EDC) HAMMARSTEN, JAMES F, UNIVERSITY OF OKLAHOMA, 800 N E 13TH STREET, OKLAHOMA CITY, OKLA. Natural history of chronic bronchitis - emphysema (human).
- RO1HL-13671-02 (MCHB) SCHUEER, PAUL J, UNIVERSITY OF HAWAII, 2545 THE MALL, HONOLULU HAWAII. The molecular structure of palytoxin (coelenterates).
- RO1HL-13675-04 (PHRA) GILLIS, RICHARD A, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N. W, WASHINGTON, D. C. Neuropharmacology of the heart (cats).
- RO1HL-13687-04 (CVA) WEST, JOHN B, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LA JOLLA, CALIF. Pulmonary ventilation, blood flow and gas exchange (human, dogs).
- RO1HL-13694-04 (PTHA) WILLIAMSON, JOSEPH R, WASHINGTON UNIVERSITY, DEPT OF PATHOLOGY, ST LOUIS, MO. Capillary basement membrane in cardiovascular disease (human, rats).
- RO1HL-13704-02 (SGYB) WAKABAYASHI, AKIO, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF SURGERY, IRVINE, CALIF. Closed-chest left heart bypass without heparin (sheep).
- RO1HL-13712-02 (SGYB) SHARP, WILLIAM V, AKRON CITY HOSPITAL, 525 EAST MARKET STREET, AKRON, OHIO. Promotion of a viable antithrombogenic interface (dogs).
- RO1HL-13713-04 (PTHA) GORDON, GERALD B, S U N Y - UPSTATE MEDICAL CTR, 750 EAST ADAMS STREET, SYRACUSE, N. Y. Pathogenesis of lipid accumulation (human, mice).
- RO1HL-13714-04 (CVB) KRONENBERG, RICHARD S, UNIV OF MINNESOTA HOSPITAL, MINNEAPOLIS, MINN. Respiratory control in patients with hypoventilation (human).
- RO1HL-13715-04 (END) LEVEY, GERALD S, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Myocardial adenylyl cyclase (human, rabbits).
- RO1HL-13722-04 (PTHA) KRITCHEVSKY, DAVID, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Acid and alkaline lipases in aortas of various species (animals, human).
- PO1HL-13737-04 (HEP) KANTROWITZ, ADRIAN, SINAI HOSPITAL OF DETROIT, 6767 WEST OUTER DRIVE, DETROIT, MICH. Assisted circulation.
- PO1HL-13737-04 0002 (HEP) KANTROWITZ, ADRIAN. Assisted circulation-U-shaped ventricle (dogs).
- PO1HL-13737-04 0005 (HEP) WELKOWITZ, WALTER. Assisted circulation-Piezoelectric assist device (animals).
- PO1HL-13737-04 0006 (HEP) WELKOWITZ, WALTER. Assisted circulation-Portable driving unit (dogs).
- PO1HL-13737-04 0007 (HEP) JARON, DOV. Assisted circulation-Determination of cardiac status by use of balloon pump (dogs).
- PO1HL-13737-04 0008 (HEP) RUBENFIRE, MELVYN. Assisted circulation-Phase-shift balloon pumping alternate designs.
- PO1HL-13737-04 0009 (HEP) WELKOWITZ, WALTER. Assisted circulation-Portable driving unit for permanent assist devices (human).
- PO1HL-13737-04 0013 (HEP) FREED, PAUL. Assisted circulation-Incorporation of sensors (dogs).
- PO1HL-13737-04 0017 (HEP) NOE, FRANCES. Assisted circulation-Effects of in-series cardiac assistance on pulmonary function (human).
- PO1HL-13737-04 0018 (HEP) KANTROWITZ, ADRIAN. Assisted circulation-Heart transplantation and preservation (dogs).
- PO1HL-13737-04 0020 (HEP) KANTROWITZ, ADRIAN. Assisted circulation-Electrostimulation for evacuation of the neurogenic bladder (human, primates).
- PO1HL-13737-04 0024 (HEP) KANTROWITZ, ADRIAN. Assisted circulation-Dynamic prosthetic myocardium (dogs).
- PO1HL-13737-04 0025 (HEP) JARON, DOV. Assisted circulation-Driving system based on quantitative criteria (human, animals).
- PO1HL-13737-04 0026 (HEP) MAMMEN, EBERHARD F. Assisted circulation-Hemostatic mechanism (human, dogs).
- PO1HL-13737-04 0027 (HEP) JARON, DOV. Assisted circulation-Optimization of cardiac assistance.
- PO1HL-13737-04 0028 (HEP) KANTROWITZ, ADRIAN. Assisted circulation-Medically refractory cardiogenic shock (human).
- PO1HL-13737-04 0029 (HEP) KANTROWITZ, ADRIAN. Assisted circulation-Chronic left ventricular failure (human).
- PO1HL-13737-04 0030 (HEP) RUBENFIRE, MELVYN. Assisted circulation-Myocardial ischemia-Effects of phase-shift balloon pumping (dogs).
- PO1HL-13737-04 0031 (HEP) WHITTY, ALBERT J. Assisted circulation-Myocardial ischemia-Biochemical changes (dogs, rats).
- PO1HL-13737-04 0032 (HEP) KANTROWITZ, ADRIAN. Assisted circulation-The dynamic aortic patch (human, dogs).
- PO1HL-13737-04 0033 (HEP) SAWATANI, SATOSHI. Assisted circulation-Autologous bioprosthetic grafts for coronary artery bypass surgery (dogs).
- PO1HL-13737-04 0034 (HEP) MOSKOWITZ, MITCHELL. Assisted circulation-Phasic aortic flow and cardiac output from phasic pressures.
- PO1HL-13737-04 0035 (HEP) MOSKOWITZ, MITCHELL. Assisted circulation-Mapping the geometry and elasticity of the aorta.
- PO1HL-13737-04 0036 (HEP) MOSKOWITZ, MITCHELL. Assisted circulation-Assessment of infarct extent from hemodynamic measurements.
- PO1HL-13738-03 (HEP) KOLFF, WILHEM J, UNIVERSITY OF UTAH, INST FOR BIOMEDICAL ENGR, SALT LAKE CITY, UTAH. Cardiac assist devices and artificial hearts.
- PO1HL-13738-03 0001 (HEP) DONOVAN, FRANK. Cardiac assist devices and artificial hearts-Cardiac assist devices (human, sheep).
- PO1HL-13738-03 0002 (HEP) KOLFF, WILHEM J. Cardiac assist devices and artificial hearts-Total replacement with artificial heart (calves sheep).
- PO1HL-13738-03 0003 (HEP) PETERS, JEFFREY L. Cardiac assist devices and artificial hearts-Pathophysiological effects of the artificial heart (calves).
- PO1HL-13738-03 0004 (HEP) KWAN-GETT, CLIFFORD S. Cardiac assist devices and artificial hearts-Hematological evaluation of prosthetic materials (calves).
- PO1HL-13738-03 0005 (HEP) LYMAN, DONALD J. Cardiac assist devices and artificial hearts-Development of new materials for artificial heart and assist devices (sheep).
- PO1HL-13738-03 0006 (HEP) STANLEY, TED. Cardiac assist devices and artificial hearts-Pulmonary function after artificial heart implantation (animals).
- PO1HL-13738-03 0007 (HEP) KOLFF, THERUS. Cardiac assist devices and artificial hearts-Fabrication and mechanical testing of devices made from the copolyurethanes.
- PO1HL-13738-03 0008 (HEP) FOOTE, JERROLD. Cardiac assist devices and artificial hearts-Pulse-echo ultrasound (sheep).
- RO1HL-13742-04 (SSS) WIENER, JOSEPH, NEW YORK MEDICAL COLLEGE, DEPARTMENT OF PATHOLOGY, VALHALLA, N. Y. Morphogenesis of hypertensive vascular disease (rats).
- RO1HL-13749-04 (MED) HESSLER, JACK R, UNIV OF FLORIDA COLL OF MED, DIV OF COMPARATIVE MEDICINE, GAINESVILLE, FLA. Perinatal pulmonary hemodynamic adaptations (goats, primates sub-human).
- RO1HL-13754-04 (SGYA) SALZMAN, EDWIN W, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Postoperative thromboembolism in surgical patients (human).
- RO1HL-13760-11 (BBCA) FERRY, JOHN D, UNIVERSITY OF WISCONSIN, 1101 UNIVERSITY AVENUE, MADISON, WIS. Viscoelasticity studies of blood coagulation (cattle, human).
- RO1HL-13762-04 (CVB) WEST, CHARLES D, UNIVERSITY OF UTAH, ROOM 4E-53, SALT LAKE CITY, UTAH. Steroids and sodium balance in essential hypertension (human, rabbits).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HL-13764-03 (GMB) WEINBERGER, MYRON H, INDIANA UNIVERSITY SCH OF MED, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Control of renin release by the kidney in vitro (rats).
- RO1HL-13765-04 (CVB) KALOYANIDES, GEORGE J, UNIVERSITY OF IOWA, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Humoral and hemodynamic factors in sodium regulation (dogs).
- RO1HL-13767-03 (HEM) LEVERRE, RICHARD D, SUNY-DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Steroid hormone effects on fibrinogen synthesis (chicks).
- RO1HL-13776-04 (CVA) GEORGE, WILLIAM J, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Cyclic nucleotides and cardiac function (chick embryo).
- RO1HL-13787-04 (PTHA) KIMBEL, PHILIP, ALBERT EINSTEIN MEDICAL CENTER, YORK & TABOR ROADS, PHILADELPHIA, PA. Etiology of experimental emphysema (dogs, human).
- RO1HL-13798-03 (GMB) KIMMOWITZ, ROBERT I, GEORGE WASHINGTON UNIVERSITY, 2300 EYE STREET, N. W. WASHINGTON, D. C. Mechanisms of control of isotonic transport (rabbits).
- RO1HL-13802-04 (HEM) COHEN, PHIN, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Studies of human platelet inositides.
- RO1HL-13803-04 (SGYA) CLARK, RICHARD E, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Development of a trileaflet aortic valve prosthesis (baboons, human).
- RO1HL-13810-03 (PHY) ADLER, SHELDON, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. Simultaneous measurement of cell pH by two methods (rats).
- RO1HL-13814-14 (HEM) SHORE, NOMIE A, CHILDRENS HOSP OF LOS ANGELES, P O BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. Erythropoietin physiology in hematologic disorders (human, mice).
- RO1HL-13821-04 (CVB) KUNAU, ROBERT T, JR, UNIVERSITY OF MINNESOTA, MAYO BLDG, BOX 194, MINNEAPOLIS, MINN. Angiotensin, prostaglandins, pressure and the kidney (rats).
- RO1HL-13829-04 (SGYA) STRIEDER, DENISE J, THE CHILDRENS HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Bronchial perfusion for lung preservation (dogs).
- RO1HL-13841-13 (AFY) MINES, ALLAN H, UNIVERSITY OF CALIFORNIA, THIRD AND PARNASSUS, SAN FRANCISCO, CALIF. Respiration during altitude acclimatization (goats, human).
- RO1HL-13847-04 (CVB) MOSKOWITZ, GORDON D, DREXEL UNIVERSITY, 32ND & CHESTNUT STREETS, PHILADELPHIA, PA. Engineering studies of liquid breathing systems (dogs).
- RO1HL-13849-07 (CBV) SATIR, PETER, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY-ANATOMY, BERKELEY, CALIF. Structure and motion of cilia (mollusks).
- PO1HL-13851-12 (HEP) TER-POGOSSIAN, MICHEL M, WASHINGTON UNIV SCHOOL OF MED, 510 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Cyclotron produced isotopes in biology and medicine (human, animals).
- RO1HL-13853-15 (ALY) SHTZBACH, LOUIS E, MT SINAI SCHOOL OF MEDICINE, 11 EAST 100TH STREET, NEW YORK, N. Y. Fractionation of Nicholson-Kveim tissue suspensions (human, mice).
- RO1HL-13870-04 (PHRA) BENTMAN, MARK L, METHODIST HOSPITAL, 6516 BERTNER BOULEVARD, HOUSTON, TEX. Control of myocardial sarcotubular calcium stores (dogs).
- RO1HL-13872-16 (SGYB) MOORE, FRANCIS D, 721 HUNTINGTON AVENUE, BOSTON, MASS. Body composition and metabolic care in surgery.
- RO1HL-13872-16 0002 (SGYB) MOORE, FRANCIS D. Body composition and metabolic care in surgery—Muscle surface cationic electrometry (human).
- RO1HL-13872-16 0003 (SGYB) MOORE, FRANCIS D. Body composition and metabolic care in surgery—Role of IV carbohydrate and fat infusion during starvation (human).
- RO1HL-13872-16 0004 (SGYB) MOORE, FRANCIS D. Body composition and metabolic care in surgery—Endocrine interrelationships after injury (human).
- RO1HL-13872-16 0005 (SGYB) MOORE, FRANCIS D. Body composition and metabolic care in surgery—Extracorporeal oxygenation (sheep, dogs, human).
- RO1HL-13872-16 0006 (SGYB) MOORE, FRANCIS D. Body composition and metabolic care in surgery—Computer closed loop effector therapy (human).
- RO1HL-13872-16 0008 (SGYB) MOORE, FRANCIS, D. Body composition and metabolic care in surgery—Effects of normovolemic hemodilution (human).
- RO1HL-13872-16 0009 (SOYB) MOORE, FRANCIS. Body composition and metabolic care in surgery—Circadian rhythms (squirrel monkeys).
- RO1HL-13875-04 (PHY) COLERIDGE, JOHN C, UNIVERSITY OF CALIFORNIA, CARDIOVASCULAR RES INST, SAN FRANCISCO, CALIF. Vagal C-fibers from cardiopulmonary receptors (cats, dogs).
- RO1HL-13880-04 (CVA) SEGAR, WILLIAM E, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Effect of cardiac disease on ADH release (human).
- RO1HL-13881-04 (HEM) JAMIESON, GRAHAM A, AMERICAN NATIONAL RED CROSS, 9312 OLD GEORGETOWN ROAD, BETHESDA, MD. The American Red Cross National Fractionation Center.
- RO1HL-13882-03 (HEM) KITTO, GEORGE B, UNIVERSITY OF TEXAS, DEPARTMENT OF CHEMISTRY, AUSTIN, TEXAS. Structure and properties of hemoglobin (sea cucumber).
- RO1HL-13885-04 (NSS) MATTHEWS, LEROY W, 2103 ADELBERT ROAD, CLEVELAND, OHIO. Cystic fibrosis and pulmonary disease.
- RO1HL-13885-04 0001 (NSS) DOERSHUK, CARL F. Cystic fibrosis and pulmonary disease—Cardiovascular and pulmonary function (infants, children).
- RO1HL-13885-04 0002 (NSS) MATTHEWS, LEROY W. Cystic fibrosis and pulmonary disease—Evaluation of therapy (infants, children).
- RO1HL-13888-12 (CVB) SALZANO, JOHN V, DEPT PHYSIOLOGY & PHARMACOLOGY, DUKE UNIVERSITY, DURHAM, N. C. Regulation of respiratory activity (human, dogs).
- RO1HL-13893-03 (PHY) SCHOLANDER, P F, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Marine physiology—The osmotic effect of gases on water.
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HL-13900-04 (CVA) PUMPER, HERNZ P, OHIO STATE UNIVERSITY, 333 WEST 10TH AVENUE, COLUMBUS, OHIO. Aortic function (dogs).
- RO1HL-13901-04 (PTHA) LEAK, LEE V, HOWARD UNIVERSITY, DEPARTMENT OF ANATOMY, WASHINGTON, D. C. Lymphatic capillaries in early inflammation (rabbits).
- RO1HL-13909-23 (BBCA) CANN, JOHN R, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVE, DENVER, COLO. Physicochemistry and immunology of macromolecules (sheep).
- RO1HL-13913-06 (GMB) LOZZIO, BISMARCK B, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Experimental model for hereditary hydronephrosis (rats).
- RO1HL-13917-15 (GMB) LUETSCHER, JOHN A, STANFORD UNIVERSITY, 300 PASTEUR, STANFORD, CALIF. Secretion and effects of adrenal hormones (human, rabbits, sheep).
- RO1HL-13920-03 (SGYA) SEALY, WILL C, DUKE UNIVERSITY MEDICAL SCHOOL, DURHAM, N. C. Expanding the role of surgery of atrial dysrhythmias (dogs).
- RO1HL-13921-03 (CVA) HEINEMANN, HENRY O, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N. Y. Interaction between electrolytes and respiration (human, rats).
- RO1HL-13924-08 (PHY) VASSALLE, MARIO, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, NY. Mode of action of acetylcholine (rabbits, cats).
- RO1HL-13926-04 (CVB) ECKSTEIN, RICHARD W, UNIVERSITY HOSPITALS, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Coronary blood supply and function of aortic bodies (dogs).
- RO1HL-13927-03 (CVB) FELL, COLIN, CORNELL UNIVERSITY MED COLLEGE, 1300 YORK AVENUE, NEW YORK, N. Y. Autonomic regulation of regional blood flow (dogs).
- RO1HL-13929-03 (CVA) TANNER, GEORGE A, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Kidney tubule function during hemorrhagic shock (rats).
- RO1HL-13930-03 (PHY) MILLER, AUGUSTUS T, JR, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PHYSIOLOGY, CHAPEL HILL, N. C. Biochemical and behavioral effects of carbon monoxide (rats).
- RO1HL-13932-04 (RAD) LASSER, ELLIOTT C, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Physiologic data acquisition from medical fluoroscopy (human, animals).
- RO1HL-13936-03 (CVA) HUTCHINS, PHILLIP M, BOWMAN GRAY SCHOOL OF MEDICINE, DEPT OF PHYSIOLOGY, WINSTON-SALEM, N. C. Microvascular responses in hypertension (rats).
- RO1HL-13942-03 (CVA) NELSON, CLIFFORD V, MAINE MEDICAL CENTER, 22 BRAMHALL STREET, PORTLAND, MAINE. Effect of intracardiac blood on isolated heart VCG (pigs).
- RO1HL-13950-02 (AFY) DAUGHERTY, ROBERT M, JR, MICHIGAN STATE UNIVERSITY, DEPT OF PHYSIOLOGY, EAST LANSING, MICH. Effect of procedures on ischemic limb O₂ and blood flow (dogs).
- RO1HL-13954-03 (CVB) MASSARO, THOMAS A, UNIVERSITY OF WISCONSIN, DEPT OF CHEMICAL ENGR, MADISON, WIS. Water transport phenomena and MPS distribution (pigs).
- RO1HL-13965-03 (SOYA) WHIFFEN, JAMES D, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVE, MADISON, WIS. Degradation of blood by biomaterials in a shearfield(dogs).
- RO1HL-13974-03 (EDC) RUBERMAN, WILLIAM, HLTH INS PLAN OF GREATER NEW Y, 625 MADISON AVENUE, NEW YORK, N. Y. Ventricular premature beats and sudden coronary death (human).
- PO1HL-13979-04 (HEP) DEANING, QUENTIN B, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Cardio-pulmonary-renal program.
- PO1HL-13979-04 0001 (HEP) WOLINSKY, HARVEY. Cardio-pulmonary-renal program—Experimental atherosclerosis and hypertension (rats, dogs).
- PO1HL-13979-04 0002 (HEP) DALY, MARIE M. Cardio-pulmonary-renal program—Effects of age and hypertension on metabolism of aortic intima-media (rats).
- PO1HL-13979-04 0003 (HEP) DEMING, QUENTIN B. Cardio-pulmonary-renal program—Development and utilization of genetically lipemic rats.
- PO1HL-13979-04 0005 (HEP) WILLIAMS, MARSHALL H. Cardio-pulmonary-renal program—Natural history of chronic pulmonary disease (human).
- PO1HL-13979-04 0008 (HEP) PARK, SUNG SUH. Cardio-pulmonary-renal program—Chronic obstructive pulmonary disease (dogs).
- PO1HL-13979-04 0009 (HEP) HOFFMAN, LEE. Cardio-pulmonary-renal program—Cellular physiology of the lungs (rabbits, rats).
- PO1HL-13979-04 0012 (HEP) HAYS, RICHARD M. Cardio-pulmonary-renal program—Alteration of cell membrane structure by vasopressin (toads).
- PO1HL-13979-04 0013 (HEP) GOLDFISHER, SIDNEY. Cardio-pulmonary-renal program—Cytochemical and ultrastructural studies of intracellular phenomena (human).
- PO1HL-13979-04 0014 (HEP) KIKAWA, YUTAKA. Cardio-pulmonary-renal program—A cellular lining layer of alveoli (rabbits, rats).
- PO1HL-13979-04 0016 (HEP) BLUMENFELD OLGA O. Cardio-pulmonary-renal program—Protein section (human, rats, rabbits, monkeys).
- PO1HL-13979-04 0017 (HEP) BRIEHL, ROBIN W. Cardio-pulmonary-renal program—Gelation of decyanated sickle cell hemoglobin (human).
- PO1HL-13979-04 0019 (HEP) GAYNOR, EVELYN. Cardio-pulmonary-renal program—Sex hormones and arterial subendothelial connective tissue (human, rabbits).
- PO1HL-13979-04 0020 (HEP) MERSKEY, CLARENCE. Cardio-pulmonary-renal program—Coagulation studies (human, rats).
- PO1HL-13979-04 0021 (HEP) FABRY, MARY E. Cardio-pulmonary-renal program—Membrane permeability by NMR relaxation (animals).
- PO1HL-13979-04 0022 (HEP) ADAMANY, ANTHONY M. Cardio-pulmonary-renal program—Glycoproteins biosynthesis (cattle).
- RO1HL-13930-03 (MET) SOOJAS, DEMETRIOS S, EMORY UNIVERSITY, DEPT OF PATHOLOGY, ATLANTA, GA. Function of fatty acid isomers in serum components (mammals, birds).
- RO1HL-13982-03 (GMB) CARRETERO, OSCAR A, HENRY FORD HOSPITAL, 2799 WEST GRAND BOULEVARD, DETROIT, MICH. Role of renin and angiotensin in renal hypertension.
- RO1HL-13987-04 (SGYA) BLUMENSTOCK, DAVID A, MARY IMOGENE BASSETT HOSPITAL, ATWELL ROAD, COOPERSTOWN, N. Y. Transplantation of the lung (dogs).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01HL-13988-04 (SGYA) TYERS, G FRANK, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. Elimination of reoperative cardiac pacemaker surgery (dogs).
- R01HL-13989-03 (BBCB) BRILL, ARTHUR S, UNIVERSITY OF VIRGINIA, DEPT OF PHYSICS, CHARLOTTESVILLE, VA. Role of water in respiratory protein structure.
- R01HL-13990-03 (CVB) KOLETSKY, SIMON, INSTITUTE OF PATHOLOGY, CLEVELAND, OHIO. Etiology of experimental hypertension (rats).
- R01HL-13996-03 (PHRA) HARDMAN, JOEL G, VANDERBILT UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, NASHVILLE, TENN. The role of cyclic nucleotides in vascular tissue (rabbits, swine).
- R01HL-13998-03 (RAD) AMPLATZ, KURT, UNIVERSITY OF MINNESOTA, HEART HOSPITAL, MINNEAPOLIS, MINN. Coronary revascularization using an angier camera (human).
- R01HL-13999-02 (SGYA) ALMOND, CARL H, UNIVERSITY OF MISSOURI, 807 STADIUM ROAD, COLUMBIA, MO. Integrated heart valve implant investigation (dogs, human).
- R01HL-14026-03 (SGYB) LEVITSKY, SIDNEY, UNIVERSITY OF ILLINOIS, P O BOX 6998, CHICAGO, ILL. Heart tracking-Non-invasive measure of contractility (human).
- R01HL-14053-03 (SGYB) HARRISON, TIMOTHY S, UNIVERSITY OF MICHIGAN, 1405 EAST ANN STREET, ANN ARBOR, MICH. Cardiovascular determinants of catecholamine release (dogs).
- R01HL-14055-04 (BIO) LINN, TRACY C, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Alpha-keto acid metabolism in heart, kidney, and liver (rats, yeast).
- R01HL-14062-03 (NTN) DUFONT, JACQUELINE, COLORADO STATE UNIVERSITY, DEPT OF FOOD SCI AND NUTR, FORT COLLINS, COLO. Cholesterol turnover (miniature pig).
- R01HL-14075-03 (GMB) BAILE, MICHAEL D, MICHIGAN STATE UNIVERSITY, B-342 LIFE SCIENCES I, EAST LANSING, MICH. Metabolism and intrarenal action of angiotensin II (dogs).
- R01HL-14076-01 (GMB) STREETEN, DAVID H, S U N Y-UPSTATE MEDICAL CENTER, 750 EAST ADAMS STREET, SYRACUSE, N Y. Role of kinins in a new postural syndrome.
- R01HL-14083-08 (BBCA) MARINI, MARIO A, 4-073 WARD BUILDING, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Thermal and potentiometric analysis of proteins.
- R01HL-14087-04 (MRT) LEE, DIANA M, OKLAHOMA MEDICAL RESEARCH FDN, 825 N E 13TH STREET, OKLAHOMA CITY, OKLA. Normal and abnormal low density lipoproteins (human).
- R01HL-14092-03 (CVA) RENNICK, BARBARA R, STATE UNIV OF NEW YORK, 122 COPEN HALL, BUFFALO, N Y. Homeostatic regulation of plasma choline (children, dogs, chickens).
- R01HL-14102-08 (CVB) HOUSTON, CHARLES S, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Physiology at 17,500 feet in mountain environment (human, rats).
- R01HL-14108-02 (MCHA) COATS, EUGENE A, UNIVERSITY OF CINCINNATI, COLLEGE OF PHARMACY, CINCINNATI, OHIO. Binding characteristics of thrombin active site.
- R01HL-14112-08 (BND) AXELROD, LEONARD R, SOUTHWEST FDN FOR RESEARCH, P O BOX 28147, SAN ANTONIO, TEXAS. Estrogenic effects of blood vessels-A dichotomy (primates).
- R01HL-14117-03 (PTHA) SONNENBLICK, EDMUND H, PETER BENT BRIGHAM HOSP, 721 HUNTINGTON AVE, BOSTON, MASS. Mechanism of heart failure (Syrian hamsters).
- R01HL-14121-04 (MED) METCALPE, JAMES, UNIVERSITY OF OREGON MED SCH, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Effects of female sex hormones on the circulation (rats, rabbits).
- R01HL-14124-02 (CVB) ROSS, JOSEPH C, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Factors which alter pulmonary capillary blood volume (human, dogs).
- R01HL-14125-03 (PHY) RARR, LLOYD, UNIVERSITY OF ILLINOIS, DEPT OF PHYSIO & BIOPHYS, URBANA, ILL. Ionic currents of cardiac muscle (frogs).
- R01HL-14126-13 (SGYB) KRIPPAEHNIE, WILLIAM W, UNIVERSITY OF OREGON MED SCH, DEPARTMENT OF SURGERY, PORTLAND, ORE. Effect of function on grafts and implants of collagen (dogs).
- R01HL-14127-12 (TOX) SMITH, ROGER P, DARTMOUTH MEDICAL SCHOOL, DEPT OF PHARMACOLOGY & TOX, HANOVER, N H. Sulfide poisoning and methemoglobinemia (rabbits, mice, rats).
- R01HL-14131-14 (HEM) MC CURDY, PAUL R, D C GENERAL HOSPITAL, 19TH ST & MASS AVE S E, WASHINGTON, D C. Abnormal hemoglobin syndromes (human, monkeys).
- R01HL-14133-04 (GMB) KNOX, FRANKLYN G, MAYO FOUNDATION, 200 FIRST STREET, S W, ROCHESTER, MINN. Intrarenal regulation of sodium reabsorption (dogs).
- P17HL-14136-04 (SRC) BURROWS, BENJAMIN, UNIVERSITY OF ARIZONA, 1501 NORTH CAMPBELL AVENUE, TUCSON, ARIZ. Obstructive lung diseases.
- P17HL-14136-04 0001 (SRC) KNUDSON, RONALD J. Obstructive lung diseases-Abnormalities of mechanics in COLD (human, dogs).
- P17HL-14136-04 0002 (SRC) BURROWS, BENJAMIN. Obstructive lung diseases-Prognosis of chronic obstructive pulmonary emphysema (human).
- P17HL-14136-04 0003 (SRC) FULGINITI, VINCENT A. Obstructive lung diseases-Acute pediatric respiratory disease and COLD.
- P17HL-14136-04 0004 (SRC) BUTLER, COOLEY II. Obstructive lung diseases-Pathophysiologic correlations in COLD (human).
- P17HL-14136-04 0005 (SRC) CAPP, MICHAEL PAUL. Obstructive lung diseases-Dynamics of small airways in assessing COLD.
- P17HL-14136-04 0006 (SRC) MARCUS, FRANK I. Obstructive lung diseases-Cardiovascular complications COLD(human).
- P17HL-14136-04 0007 (SRC) BURROWS, BENJAMIN. Obstructive lung diseases-Respiratory distress and pulmonary surfactant (rats, rabbits).
- P17HL-14136-04 0008 (SRC) BURROWS, BENJAMIN. Obstructive lung diseases-Emphysema study (human).
- P17HL-14138-04 (SRC) BLANKENHORN, DAVID H, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Center for research on atherosclerosis.
- P17HL-14138-04 0002 (SRC) BRODIE, ARNOLD F. Center for research on atherosclerosis-Phosphorylated intermediates from stressed animals (pigeons, swine).
- P17HL-14138-04 0003 (SRC) ZEMPLENYI, TIBOR K. Center for research on atherosclerosis-Metabolic ultrastructural correlations (pigs).
- P17HL-14138-04 0008 (SRC) CHIN, H P. Center for research on atherosclerosis-Lipid metabolism (human).
- P17HL-14138-04 0009 (SRC) CRAWFORD, DONALD W. Center for research on atherosclerosis-Angiographic-diagnosis (human, dogs, swine, cattle).
- P17HL-14138-04 0010 (SRC) SELVESTER, RONALD H. Center for research on atherosclerosis-Premature atherosclerosis (human).
- P17HL-14138-04 0011 (SRC) SELVESTER, RONALD H. Center for research on atherosclerosis-Application of angiography for assessing atherosclerosis (human).
- P17HL-14138-04 0012 (SRC) ZEMPLENYI, TIBOR K. Center for research on atherosclerosis-Sulfate incorporation into glycosaminoglycan fraction of pig aorta.
- P17HL-14138-04 0013 (SRC) TURNER, A FRANKLIN A. Center for research on atherosclerosis-Carbon dioxide as a contrast medium in femoral angiography (human).
- P17HL-14138-04 0014 (SRC) BROOKS, SAMUEL H. Center for research on atherosclerosis-Biostatistics (human, swine, pigeons, rabbits).
- P17HL-14141-04 (SRC) JESSE, MARY JANE, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. SCOR for atherosclerosis in childhood.
- P17HL-14141-04 0001 (SRC) JESSE, MARY JANE. SCOR for atherosclerosis in childhood-Clinical implications (infants and children).
- P17HL-14141-04 0002 (SRC) SPELLACY, WILLIAM N. SCOR for atherosclerosis in childhood-Intrauterine environment of proband group (human).
- P17HL-14141-04 0003 (SRC) HSIA, S L. SCOR for atherosclerosis in childhood-Detection of abnormalities in lipid metabolism (human, rabbits, rats).
- P17HL-14141-04 0004 (SRC) BRICKER, LEE A. SCOR for atherosclerosis in childhood-Intermediate metabolism of sterols in atherosclerosis (rats, mice).
- P17HL-14141-04 0005 (SRC) SCHIFF, EUGENE R. SCOR for atherosclerosis in childhood-Bile acid kinetics in humans prone to atherosclerosis.
- P17HL-14141-04 0006 (SRC) CONLY, PATRICIA. SCOR for atherosclerosis in childhood-Effect of stress upon plasma lipids in childhood.
- P17HL-14142-04 (SRC) SEEGBERS, WALTER H, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. Coagulation and cells in thrombosis and hemostasis.
- P17HL-14142-04 0002 (SRC) MAMMEN, EBERHARD F. Coagulation and cells in thrombosis and hemostasis-Isolation and properties of factors XI and XII (cattle).
- P17HL-14142-04 0005 (SRC) RIDDLE, JERANNE M. Coagulation and cells in thrombosis and hemostasis-Electron microscopy of molecules (cattle).
- P17HL-14142-04 0006 (SRC) BARNHART, MARION I. Coagulation and cells in thrombosis and hemostasis-Ultramicroscopy of cell and vessel membrane activity (human, monkeys, dogs).
- P17HL-14142-04 0007 (SRC) HENRY, RAYMOND L. Coagulation and cells in thrombosis and hemostasis-Purified blood clotting proteins.
- P17HL-14142-04 0008 (SRC) MURAND, GENESIO. Coagulation and cells in thrombosis and hemostasis-Structural-functional properties of fibrinogen chains.
- P17HL-14142-04 0009 (SRC) ROSENBERG, JERRY C. Coagulation and cells in thrombosis and hemostasis-Fibrinogen-platelet kinetics and transplant rejection.
- P17HL-14147-04 (SRC) MAJERUS, PHILIP W, SKINKER AND LINDELL BLVD, ST LOUIS, MO. Specialized center of research in thrombosis.
- P17HL-14147-04 0001 (SRC) MAJERUS, PHILIP W. Specialized center of research in thrombosis-Structure and function of human platelet membranes.
- P17HL-14147-04 0002 (SRC) WESSLER, STANFORD. Specialized center of research in thrombosis-Mechanism of end- and exotoxin induced thrombosis (human, horseshoe crab).
- P17HL-14147-04 0003 (SRC) JACKSON, CRAIG M. Specialized center of research in thrombosis-Application of physical and chemical studies of lipid surfaces.
- P17HL-14147-04 0005 (SRC) WESSLER, STANFORD. Specialized center of research in thrombosis-Activated factor X inhibitor as a measure of thrombosis (human, rabbits).
- P17HL-14147-04 0006 (SRC) SHERMAN, LAURENCE A. Specialized center of research in thrombosis-Fibrinogen metabolism and relation to thrombosis (human, rabbits).
- P17HL-14147-04 0007 (SRC) WELCH, MICHAEL J. Specialized center of research in thrombosis-Radioactive tracers in recognition of intravascular coagulation (human, dogs).
- P17HL-14147-04 0009 (SRC) COLLINS, JOHN A. Specialized center of research in thrombosis-Disseminated intravascular coagulation in gram negative sepsis (human).
- P17HL-14147-04 0010 (SRC) BAUE, ARTHUR E. Specialized center of research in thrombosis-Thromboembolic occlusions in surgical patients.
- P17HL-14147-04 0011 (SRC) OLIVER, G CHARLES. Specialized center of research in thrombosis-Analysis of coronary sinus blood for breakdown products (human, dogs).
- P17HL-14148-04 (SRC) LARAGH, JOHN H, 161 FT WASHINGTON AVENUE, NEW YORK, N Y. Hypertension center.
- P17HL-14148-04 0002 (SRC) LEVITT, MORTON. Hypertension center-Catecholamine metabolism in subtypes of hypertension (human, animals).
- P17HL-14148-04 0004 (SRC) SPALTER, HAROLD F. Hypertension center-Fundoscopic mapping by photography (human).
- P17HL-14148-04 0007 (SRC) WOTMAN, STEPHEN. Hypertension center-Salivary composition in hypertension (human).
- P17HL-14148-04 0008 (SRC) CANNON, PAUL J. Hypertension center-Renal circulation in hypertensive patients (also dogs).
- P17HL-14148-04 0009 (SRC) CANNON, PAUL J. Hypertension center-Myocardial circulation in hypertension and atherosclerosis (human).
- P17HL-14150-04 (SRC) BARGER, A CLIFFORD, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Specialized center of research in hypertension.
- P17HL-14150-04 0001 (SRC) HABER, EDGAR. Specialized center of research in hypertension-Humoral and neural control of vasomotor tone (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P17HL-14150-04 0002 (SRC) BARGER, A CLIFFORD. Specialized center of research in hypertension-Role of renin-angiotensin system in regulation of blood pressure (dogs).

P17HL-14150-04 0004 (SRC) HABER, EDGAR. Specialized center of research in hypertension-Methods for measurement of plasma aldosterone and catecholamines (rabbits).

P17HL-14150-04 0005 (SRC) HABER, EDGAR. Specialized center of research in hypertension-Metabolism of vasoactive peptides (dogs, rabbits).

P17HL-14150-04 0006 (SRC) MORSE, WILLIAM H. Specialized center of research in hypertension-Behavioral modulation of cardiovascular functioning (monkeys).

P17HL-14150-04 0007 (SRC) HERD, J ALAN H. Specialized center of research in hypertension-Cardiovascular mechanisms of behavioral hypertension (monkeys).

P17HL-14150-04 0008 (SRC) BARGER, A CLIFFORD. Specialized center of research in hypertension-Renal autonomic activity in development of hypertension (monkeys).

P17HL-14150-04 0009 (SRC) KELLEHER, ROGER T. Specialized center of research in hypertension-Pharmacological studies of behavior and cardiovascular function (monkeys).

P17HL-14150-04 0010 (SRC) HERD, J ALAN. Specialized center of research in hypertension-Natural history of behavioral hypertension (monkeys).

P17HL-14150-04 0011 (SRC) DEWS, PETER B. Specialized center of research in hypertension-Exercise in the rhesus monkey.

P17HL-14150-04 0012 (SRC) HERD, J ALAN. Specialized center of research in hypertension-Role of kidney in pathogenesis of behavioral hypertension (monkeys, baboons).

P17HL-14150-04 0013 (SRC) KOCH-WESER J. Specialized center of research in hypertension-Pharmacokinetics of hydralazine (human).

P17HL-14150-04 0014 (SRC) KOCH-WESER, J. Specialized center of research in hypertension-Clinical trial of minoxidil in hypertensive outpatients.

P17HL-14150-04 0015 (SRC) KOCH-WESER, J. Specialized center of research in hypertension-Angiotensin converting enzyme inhibitor, diagnosis of renal hypertension (human).

P17HL-14150-04 0016 (SRC) KOCH-WESER, J. Specialized center of research in hypertension-Quantitation of incidence of adverse reactions to hypertensive drugs.

P17HL-14150-04 0017 (SRC) LECHENE, C. Specialized center of research in hypertension-Biotechnology resource in electronprobe microanalysis (rats).

P17HL-14152-04 (SRC) BUTLER, JOHN, UNIVERSITY OF WASHINGTON, DEPARTMENT OF MEDICINE, SEATTLE, WASH. Pulmonary specialized center of research.

P17HL-14152-04 0001 (SRC) MORGAN, THOMAS E JR. Pulmonary specialized center of research-Surface active lipoprotein in fetal lung (human, monkeys).

P17HL-14152-04 0002 (SRC) HODSON, WILLIAM A. Pulmonary specialized center of research-Effect of pulmonary ischemia on surface-active lipoprotein and RDS (lambs).

P17HL-14152-04 0003 (SRC) MORGAN, THOMAS E JR. Pulmonary specialized center of research-Cellular synthesis of surface-active material in RDS (rats, monkeys).

P17HL-14152-04 0004 (SRC) HODSON, WILLIAM A. Pulmonary specialized center of research-Surface properties of naturally occurring lecithins (dogs).

P17HL-14152-04 0005 (SRC) FISHER, H KENNETH. Pulmonary specialized center of research-Fibrinopeptides in respiratory distress syndrome (human, rabbits).

P17HL-14152-04 0006 (SRC) HODSON, WILLIAM A. Pulmonary specialized center of research-Lung adaptation and extracorporeal gas exchange (lambs).

P17HL-14152-04 0007 (SRC) HODSON, WILLIAM A. Pulmonary specialized center of research-Adaptation of the lung to birth and the onset of respiration (lambs).

P17HL-14152-04 0008 (SRC) PARKS, COLBY RIVES. Pulmonary specialized center of research-Adaptation of the lung and gas exchange in the immature human lung (and monkeys).

P17HL-14152-04 0009 (SRC) CHENEY, FREDERICK W. Pulmonary specialized center of research-Patterns of artificial ventilation (human, dogs).

P17HL-14152-04 0011 (SRC) FRANK, ROBERT. Pulmonary specialized center of research-Effects of ozone on the properties of the lungs (rabbits).

P17HL-14152-04 0012 (SRC) BOATMAN, EDWIN S. Pulmonary specialized center of research-Lungs of animals exposed to ozone (rabbits, monkeys).

P17HL-14152-04 0013 (SRC) DUDLEY, DONALD L. Pulmonary specialized center of research-Psychosocial and psychophysiological aspects of pulmonary syndromes (human).

P17HL-14152-04 0014 (SRC) MARTIN, CARROLL J. Pulmonary specialized center of research-Length tension studies of alveolar walls (human, mammals).

P17HL-14152-04 0015 (SRC) MARTIN, CARROLL J. Pulmonary specialized center of research-Sequence of lung emptying (human).

P17HL-14152-04 0016 (SRC) NAUM, YVONNE. Pulmonary specialized center of research-Changes in lung elastin with age and disease (mice).

P17HL-14152-04 0017 (SRC) MARTIN, CARROLL J. Pulmonary specialized center of research-Animal model of pulmonary obstructive disease (sheep).

P17HL-14152-04 0018 (SRC) RICHMOND, VIRGINIA L. Pulmonary specialized center of research-Liperoxidation and lung collagen and elastin (guinea pigs).

P17HL-14152-04 0019 (SRC) BUTLER, JOHN. Pulmonary specialized center of research-Flow limiting segment in obstructive airway disease (human, dogs).

P17HL-14152-04 0021 (SRC) MARTIN, CARROLL J. Pulmonary specialized center of research-Obstructive pulmonary syndromes (human).

P17HL-14152-04 0022 (SRC) YOUNG, ALLAN C. Pulmonary specialized center of research-Biinstrumentation in the diagnosis and treatment of respiratory disease.

P17HL-14153-04 (SRC) PERMUTT, SOLBERT, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Johns Hopkins Lung Center.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P17HL-14153-04 0001 (SRC) COHEN, BERNICE. Johns Hopkins Lung Center-Genetic and environmental factors in chronic pulmonary disease (human).

P17HL-14153-04 0002 (SRC) LEVY, DAVID A. Johns Hopkins Lung Center-Alpha-1-antitrypsin and its electrophoretic variant in COPD (human).

P17HL-14153-04 0003 (SRC) BALL, WILLIAM C. Johns Hopkins Lung Center-Pulmonary function studies (human).

P17HL-14153-04 0004 (SRC) DONNENBERG, ARTHUR M. Johns Hopkins Lung Center-Lung, macrophages in chronic inflammation (rabbits).

P17HL-14153-04 0006 (SRC) GILLESPIE, ELIZABETH. Johns Hopkins Lung Center-Effects of isoproterenol on leukocytes and lymphocytes of asthmatic patients.

P17HL-14153-04 0009 (SRC) HUTCHINS, GROVER M. Johns Hopkins Lung Center-Correlation of pulmonary and cardiac abnormalities in autopsies (human).

P17HL-14159-04 (SRC) HIGGINS, JAMES T, JR, 1100 WEST MICHIGAN, INDIANAPOLIS, IND. Specialized center of research in hypertension.

P17HL-14159-04 0001 (SRC) CONNEALLY, P MICHAEL. Specialized center of research in hypertension-Genetic studies in hypertension and renin secretion (human).

P17HL-14159-04 0003 (SRC) WEINBERGER, MYRON H. Specialized center of research in hypertension-Renin system, salt and water metabolism in toxemic pregnancy (human).

P17HL-14159-04 0004 (SRC) SELKURT, EWALD E. Specialized center of research in hypertension-Mechanisms of experimental hypertension (monkeys, rats, dogs).

P17HL-14159-04 0006 (SRC) ASHMORE, JAMES. Specialized center of research in hypertension-Catecholamines and myocardial metabolism in hypertensive rats.

P17HL-14159-04 0007 (SRC) HARRIS, ROBERT A. Specialized center of research in hypertension-Energy conservation in the hearts of spontaneously hypertensive rats.

P17HL-14159-04 0008 (SRC) HIGGINS, JAMES T JR. Specialized center of research in hypertension-Pathophysiological mechanisms in CV disease (dogs).

P17HL-14159-04 0010 (SRC) ROESKE, ROGER W. Specialized center of research in hypertension-Synthesis and testing of renin inhibitors (rats, human).

P17HL-14159-04 0014 (SRC) GRIM, C E. Specialized center of research in hypertension-Primary aldosteronism (human, guinea pigs, dogs).

P17HL-14159-04 0015 (SRC) HIGGINS, JAMES T JR. Specialized center of research in hypertension-Plasma renin activity and sodium excretion after heart surgery (human).

P17HL-14159-04 0016 (SRC) WATANABE, AUGUST M. Specialized center of research in hypertension-Assay of beta-adrenergic and glucagon receptors in hypertension (rodents).

P17HL-14159-04 0017 (SRC) JUDSON, WALTER E. Specialized center of research in hypertension-Renin angiotensin system in man.

P17HL-14159-04 0018 (SRC) JUDY, WILLIAM V. Specialized center of research in hypertension-Sympathetic nervous system in development of hypertension (rats).

P17HL-14159-04 0019 (SRC) YU, PAO-LO. Specialized center of research in hypertension-Genetics of the spontaneously hypertensive rat.

P17HL-14164-04 (SRC) CLARKSON, THOMAS B, WAKE FOREST UNIVERSITY, BOWMAN GRAY SCHOOL OF MEDICINE, WINSTON-SALEM, N C. Arteriosclerosis research center.

P17HL-14164-04 0002 (SRC) GREEN, HAROLD D. Arteriosclerosis research center-Vascular function and circulation in extremities of atherosclerosis (monkeys).

P17HL-14164-04 0006 (SRC) LITTLE, J MAXWELL. Arteriosclerosis research center-Animal model development (monkeys).

P17HL-14164-04 0013 (SRC) HULCHER, FRANK H. Arteriosclerosis research center-Regulation of cholesterol biosynthesis in pigeons and monkeys.

P17HL-14164-04 0021 (SRC) PRICHARD, R W. Arteriosclerosis research center-Resource for anatomic pathology (human).

P17HL-14164-04 0022 (SRC) CLARKSON, THOMAS B. Arteriosclerosis research center-Comparative medicine core laboratories (monkeys, pigeons).

P17HL-14164-04 0023 (SRC) LOFLAND, HUGH B. Arteriosclerosis research center-Core laboratories of biochemistry (monkeys, pigeons).

P17HL-14164-04 0024 (SRC) SKINNER, NEWMAN S. Arteriosclerosis research center-Core laboratories of physiology (monkeys).

P17HL-14169-04 (SRC) MOSER, KENNETH M, UNIV HOSP OF SAN DIEGO COUNTY, 225 W DICKINSON ST, SAN DIEGO, CALIF. Pulmonary disease center.

P17HL-14169-04 0001 (SRC) MOSER, KENNETH M. Pulmonary disease center-Structure-function correlation in COPD, alpha-1-antitrypsin deficiency (human).

P17HL-14169-04 0002 (SRC) TISI, GENNARO M. Pulmonary disease center-Lung transplantation (dogs).

P17HL-14169-04 0003 (SRC) WEST, JOHN B. Pulmonary disease center-Pulmonary function and structure in chronic obstructive lung disease (dogs).

P17HL-14169-04 0004 (SRC) MOSER, KENNETH M. Pulmonary disease center-Respiratory insufficiency associated with COPD (human, dogs).

P17HL-14169-04 0005 (SRC) WAHRENBRÖCK, ERIC. Pulmonary disease center-Anesthesia and acute respiratory care (human, dogs).

P17HL-14169-04 0006 (SRC) GLUCK, LOUIS. Pulmonary disease center-Biochemical and clinical studies relating to the ARD syndrome (human).

P17HL-14169-04 0008 (SRC) LIEBOW, AVERILL A. Pulmonary disease center-Pulmonary pathology (human).

P17HL-14169-04 0009 (SRC) YGUDI, SAID. Pulmonary disease center-Pulmonary immunology and immunopathology (rats, rabbits).

P17HL-14174-04 (SRC) FARQUHAR, JOHN W, STANFORD UNIVERSITY, DEPARTMENT OF MEDICINE, STANFORD, CALIF. Atherosclerosis behavioral and epidemiological studies.

P17HL-14174-04 0001 (SRC) FARQUHAR, JOHN W. Atherosclerosis behavioral and epidemiological studies-Epidemiology component (human).

P17HL-14174-04 0004 (SRC) REAVEN, GERALD M. Atherosclerosis behavioral and epidemiological studies-Hypertriglyceridemia (human).

P17HL-14174-04 0005 (SRC) REAVEN, GERALD M. Atherosclerosis behavioral and epidemiological studies-Factors controlling insulin release.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P17HL-14174-04 0006 (SRC) MACCOBY, NATHAN. Atherosclerosis behavioral and epidemiological studies—Behavioral component (human).
- P17HL-14174-04 0007 (SRC) POPP, RICHARD. Atherosclerosis behavioral and epidemiological studies—Ultrasound and cardiovascular function (human).
- P17HL-14174-04 0008 (SRC) POPP, RICHARD. Atherosclerosis behavioral and epidemiological studies—Ultrasound methods for peripheral vessel flow (human).
- P17HL-14174-04 0009 (SRC) ALEXANDER, JANET. Atherosclerosis behavioral and epidemiological studies—Community media campaign.
- P17HL-14174-04 0010 (SRC) MEYER, ANTHONY J. Atherosclerosis behavioral and epidemiological studies—Intensive instruction (human).
- P17HL-14177-04 (SRC) THOMAS, WILBUR A. ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N.Y. Center for prevention and treatment of atherosclerosis.
- P17HL-14177-04 0001 (SRC) KIM, DONG N. Center for prevention and treatment of atherosclerosis—Absorption, excretion and synthesis of cholesterol (swine).
- P17HL-14177-04 0002 (SRC) SCOTT, R. POSTER. Center for prevention and treatment of atherosclerosis—Atherosclerotic arterial wall bioenergetics and lipid metabolism (rabbits, swine).
- P17HL-14177-04 0003 (SRC) FRITZ, KATHERINE E. Center for prevention and treatment of atherosclerosis—Interaction of aortic tissue with plasma fractions in hyperlipemia (swine, human).
- P17HL-14177-04 0004 (SRC) KIM, DONG N. Center for prevention and treatment of atherosclerosis—Role of lysosomes in atherogenesis (swine).
- P17HL-14177-04 0006 (SRC) FLORENTIN, RODOLFO A. Center for prevention and treatment of atherosclerosis—DNA synthesis in arterial cells in high cholesterol-triglyceride diets (swine).
- P17HL-14177-04 0006 (SRC) JANAKIDIVI, K. Center for prevention and treatment of atherosclerosis—Nucleic acid synthesis in hyperlipemia (swine).
- P17HL-14177-04 0007 (SRC) IMAI, HIDESHIGE. Center for prevention and treatment of atherosclerosis—Ultrastructure of arterial cell injury and multiplication in cholesterol feeding.
- P17HL-14177-04 0008 (SRC) STEHBENS, WILLIAM ELLIS. Center for prevention and treatment of atherosclerosis—Role of hemodynamics in atherosclerosis (rabbits, sheep, human).
- P17HL-14177-04 0009 (SRC) DAOUD, ASSAAD S. Center for prevention and treatment of atherosclerosis—Injury and hyperlipemic diet in producing atherosclerosis (rabbits, human, swine).
- P17HL-14177-04 0010 (SRC) LEE, KYU TAIK. Center for prevention and treatment of atherosclerosis—Atherosclerosis and complications produced by injury and hyperlipemic diet (swine).
- P17HL-14177-04 0011 (SRC) DAOUD, ASSAAD S. Center for prevention and treatment of atherosclerosis—Regression of atherosclerotic lesions (swine).
- P17HL-14177-04 0013 (SRC) HAN, JACK. Center for prevention and treatment of atherosclerosis—Electrophysiology of experimental coronary atherosclerotic hearts (swine).
- P17HL-14177-04 0014 (SRC) SCOTT, R. POSTER. Center for prevention and treatment of atherosclerosis—Sudden death (swine).
- P17HL-14177-04 0015 (SRC) REINER, JOHN M. Center for prevention and treatment of atherosclerosis—Developments in mathematical theory.
- P17HL-14179-04 (SRC) BOUHUY, AREND, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Center for the study of lung disease.
- P17HL-14179-04 0002 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Macrophages and phagocytosis-phospholipase (rabbits).
- P17HL-14179-04 0004 (SRC) MOTOYAMA, ETSURO K. Center for the study of lung disease—Mucus abnormality in cystic fibrosis (human, rats).
- P17HL-14179-04 0005 (SRC) SKAND, RAJINDER S. Center for the study of lung disease—Mechanisms of exercise tolerance in chronic obstructive lung diseases (human).
- P17HL-14179-04 0006 (SRC) SKAND, RAJINDER S. Center for the study of lung disease—Distribution of inspired gas in the lungs (human).
- P17HL-14179-04 0007 (SRC) MOTOYAMA, ETSURO K. Center for the study of lung disease—Postnatal lung growth, its abnormalities in infants and children (and dogs).
- P17HL-14179-04 0008 (SRC) BOUHUY, AREND. Center for the study of lung disease—Air pollutants, lung physiology and lung biochemistry (human, guinea pigs).
- P17HL-14179-04 0009 (SRC) DOLAN, T. F. Center for the study of lung disease—Evaluation of therapy in chronic pulmonary diseases in children.
- P17HL-14179-04 0010 (SRC) GLENN, WILLIAM W. Center for the study of lung disease—Electrophrenic respiration (human).
- P17HL-14179-04 0011 (SRC) SPENCER, RICHARD P. Center for the study of lung disease—Radioisotopic studies of pulmonary function (human).
- P17HL-14179-04 0012 (SRC) MOTOYAMA, ETSURO K. Center for the study of lung disease—Tracheal and amniotic fluid and their relation to neonatal lung function (human).
- P17HL-14179-04 0013 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Macrophages and phagocytosis—Action of cytochalasin B (rabbits, human).
- P17HL-14179-04 0014 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Macrophages and phagocytosis—Drugs mediated by cyclic AMP.
- P17HL-14179-04 0015 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Macrophages and phagocytosis—Drugs and lung disease (human).
- P17HL-14179-04 0016 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Adaptive metabolic features in disease (rabbits).
- P17HL-14179-04 0017 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Serum enzyme profiles in lung disease (human, dogs).
- P17HL-14179-04 0018 (SRC) BOUHUY, AREND. Center for the study of lung disease—The lungs as a system with dual flow.
- P17HL-14179-04 0019 (SRC) BOUHUY, AREND. Center for the study of lung disease—Regional lung function.
- P17HL-14179-04 0020 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Mechanisms of oxidant lung injury—Effects of lipid peroxides (mammals).
- P17HL-14179-04 0021 (SRC) GEE, J. BERNARD. Center for the study of lung disease—Transport and oxidation of glucose by alveolar macrophages (mammals).
- P17HL-14179-04 0022 (SRC) MOTOYAMA, ETSURO K. Center for the study of lung disease—Biosynthesis of the glycoproteins of tracheobronchial mucus (dogs).
- P17HL-14179-04 0023 (SRC) MOTOYAMA, ETSURO K. Center for the study of lung disease—Fetal lung development and lung surfactant (rabbits, rats, monkeys).
- P17HL-14182-04 (SRC) SALZMAN, EDWIN W, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. A special center of research in thrombosis.
- P17HL-14182-04 0006 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Detection of anti-platelet antibodies by platelet agglutometry (human).
- P17HL-14182-04 0007 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—A critique of methods by which to monitor heparin therapy (human).
- P17HL-14182-04 0008 (SRC) FIELD, RICHARD A. A special center of research in thrombosis—Coagulation changes in diabetic retinopathy (human).
- P17HL-14182-04 0009 (SRC) JAFFE, BURTON P. A special center of research in thrombosis—Hypercoagulable state in patients with sudden deafness.
- P17HL-14182-04 0010 (SRC) ROSOFF, CHESTER B. A special center of research in thrombosis—Vasoactive amines and the vascular response to pulmonary embolism (human).
- P17HL-14182-04 0013 (SRC) SALZMAN, EDWIN W. A special center of research in thrombosis—Antithrombotic agents in coronary revascularization (human).
- P17HL-14182-04 0015 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Intermediate syndrome of platelet dysfunction (human).
- P17HL-14182-04 0016 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Evidence for structural requirement in the platelet-collagen reaction (human).
- P17HL-14182-04 0017 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Factor VIII and Von Willebrand's disease (human).
- P17HL-14182-04 0018 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Correlation between measurements of split products and fragment (human).
- P17HL-14182-04 0019 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Platelet function in patients with factor XII deficiency.
- P17HL-14182-04 0020 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Split product levels as prognostic guides in hemolytic-uremic syndrome (human).
- P17HL-14182-04 0021 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Loading vs no-loading techniques for initiating warfarin therapy (human).
- P17HL-14182-04 0022 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Evaluation of patients with sudden deafness and intravascular coagulation.
- P17HL-14182-04 0023 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Technique for concentrating and washing platelets (human).
- P17HL-14182-04 0024 (SRC) DEYKIN, DANIEL. A special center of research in thrombosis—Prothrombin and epinephrine as hypercoagulability indicator.
- P17HL-14187-04 (SRC) SAID, SAMI I, UNIV OF TEXAS & VETERANS ADM H, 4500 S LANCASTER ROAD, DALLAS, TEXAS. Center for lung research.
- P17HL-14187-04 0004 (SRC) KORMAN, MAURICE. Center for lung research—Rehabilitation parameters in chronic pulmonary disease (human).
- P17HL-14187-04 0005 (SRC) MULLINS, CHARLES B. Center for lung research—Analysis of ventricular function in pulmonary disease (dogs).
- P17HL-14187-04 0006 (SRC) JOHNSON, WALDEMAR G JR. Center for lung research—Pathogenesis of chronic obstructive pulmonary disease (human, rats).
- P17HL-14187-04 0007 (SRC) WILSON, JAMES E III. Center for lung research—New xenon 133 method for measurement of regional V/Q ratios (human).
- P17HL-14187-04 0008 (SRC) WILSON, JAMES E III. Center for lung research—Pulmonary embolism (dogs).
- P17HL-14187-04 0012 (SRC) SAID, SAMI I. Center for lung research—Lung in relation to vasoactive substances (dogs, cats, swine).
- P17HL-14187-04 0013 (SRC) JOHNSON, ROBERT L JR. Center for lung research—Limit to oxygen transport imposed by chronic obstructive lung disease (human).
- P17HL-14187-04 0014 (SRC) ERDOS, ERVIN G. Center for lung research—Vasoactive agents and proteolytic enzymes in the lung (human, mammals).
- P17HL-14192-04 (SRC) POSTER, JOHN H, VANDERBILT UNIVERSITY, DEPARTMENT OF SURGERY, NASHVILLE, TENN. Specialized center of research in hypertension.
- P17HL-14192-04 0001 (SRC) POSTER, JOHN H. Specialized center of research in hypertension—Drug and operative treatment of renovascular hypertension (human).
- P17HL-14192-04 0002 (SRC) POSTER, JOHN H. Specialized center of research in hypertension—Renal artery stenosis in atherosclerosis and fibromuscular dysplasia (human).
- P17HL-14192-04 0003 (SRC) MICHELAKIS, ANDREW M. Specialized center of research in hypertension—Hormonal mechanisms in hypertension (human, mice).
- P17HL-14192-04 0004 (SRC) INAGAMI, TADASHI. Specialized center of research in hypertension—Salivary gland enzymes and blood pressure regulation (mice).
- P17HL-14192-04 0005 (SRC) LIDDLE, GRANT W. Specialized center of research in hypertension—Recognition and management of the syndrome of low renin essential hypertension.
- P17HL-14192-04 0006 (SRC) LIDDLE, GRANT W. Specialized center of research in hypertension—Urinary renin in the evaluation of renovascular hypertension (human).
- P17HL-14192-04 0007 (SRC) LIDDLE, GRANT W. Specialized center of research in hypertension—Recognition and treatment of steroid hypertension (human, rats).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- P17HL-14194-04 (SRC) GOTTO, ANTONIO M. JR. BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Pathophysiology of atherosclerosis.
- P17HL-14194-04 0002 (SRC) WAKIL, SALIH J. Pathophysiology of atherosclerosis-Fatty acid synthesis in arterial wall (human, chickens).
- P17HL-14194-04 0003 (SRC) JACKSON, RICHARD L. Pathophysiology of atherosclerosis-Isolation of lipid-binding fragments of apo LP-glycaminell from human HDL.
- P17HL-14194-04 0004 (SRC) JACKSON, RICHARD L. Pathophysiology of atherosclerosis-Isolation of cyanogen bromide fragments of apo LP-glycaminell from human HDL.
- P17HL-14194-04 0005 (SRC) JACKSON, RICHARD L. Pathophysiology of atherosclerosis-Isolation of HDL from pig plasma.
- P17HL-14194-04 0006 (SRC) MORRISSETT, JOEL D. Pathophysiology of atherosclerosis-Lipid binding between apo LP-alanine and phosphatidyl choline (human).
- P17HL-14194-04 0007 (SRC) MORRISSETT, JOEL D. Pathophysiology of atherosclerosis-Lipid-APO lipoprotein interaction, peptidase synthesis.
- P17HL-14194-04 0008 (SRC) PARKER, ANN K. Pathophysiology of atherosclerosis-Mechanisms of lecithin cholesterolacyl transferases (human).
- P17HL-14194-04 0010 (SRC) JACKSON, RICHARD L. Pathophysiology of atherosclerosis-Structure of human low density lipoprotein.
- P17HL-14194-04 0011 (SRC) MORRISSETT, JOEL D. Pathophysiology of atherosclerosis-Lipid-APO lipoprotein interaction-Density gradient ultracentrifugation (human).
- P17HL-14194-04 0012 (SRC) MORRISSETT, JOEL D. Pathophysiology of atherosclerosis-Lipid-APO lipoprotein interaction-Electron microscopy (human).
- P17HL-14194-04 0013 (SRC) SMITH, LOUIS C. Pathophysiology of atherosclerosis-Physical state of lipids in lipoproteins (bacteria).
- P17HL-14194-04 0014 (SRC) POWNALL, HENRY. Pathophysiology of atherosclerosis-Fluorescence studies of lipid-protein interactions.
- P17HL-14194-04 0015 (SRC) HOGSETT, WILLIAM E. Pathophysiology of atherosclerosis-Study of structural protein of connective tissue.
- P17HL-14194-04 0016 (SRC) NAKASHIMA, YASUHIKO. Pathophysiology of atherosclerosis-Purification of plasma GAG-Interaction with plasma lipoproteins (human).
- P17HL-14196-04 (SRC) KOTTKE, BRUCE A. MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Lipids, thrombosis and genetics in atherosclerosis.
- P17HL-14196-04 0001 (SRC) KOTTKE, BRUCE A. Lipids, thrombosis and genetics in atherosclerosis-Hemodynamic and metabolic factors in atherosclerosis (pigeons).
- P17HL-14196-04 0002 (SRC) KOTTKE, BRUCE A. Lipids, thrombosis and genetics in atherosclerosis-Drug effect on cholesterol degradation to bile acids (human).
- P17HL-14196-04 0004 (SRC) KOTTKE, BRUCE A. Lipids, thrombosis and genetics in atherosclerosis-Formation of coprostanol by intestinal bacteria (human, pigeons, rabbits).
- P17HL-14196-04 0007 (SRC) BERGE, K D. Lipids, thrombosis and genetics in atherosclerosis-Medical significance of the blood lipoprotein profile (human).
- P17HL-14196-04 0008 (SRC) WEIDMAN, WILLIAM H. Lipids, thrombosis and genetics in atherosclerosis-Lipoproteins in children-Role of genetics and diet.
- P17HL-14196-04 0009 (SRC) FRYE, ROBERT L. Lipids, thrombosis and genetics in atherosclerosis-Effect of coronary bypass on ventricular function (human).
- P17HL-14196-04 0010 (SRC) KOTTKE, BRUCE A. Lipids, thrombosis and genetics in atherosclerosis-Lipoproteins in patients with coronary heart disease.
- P17HL-14196-04 0011 (SRC) GORDON, HYMIE. Lipids, thrombosis and genetics in atherosclerosis-Genetics as a risk factor in ischemic heart disease (human).
- P17HL-14197-04 (SRC) STEINBERG, DANIEL, UNIVERSITY OF CALIFORNIA, BASIC SCIENCE BLDG, RM 4028, LA JOLLA, CALIF. Center of research on arteriosclerosis.
- P17HL-14197-04 0001 (SRC) BRAUNWALD, EUGENE. Center of research on arteriosclerosis-Clinical evaluation of atherosclerosis (dogs, human).
- P17HL-14197-04 0003 (SRC) BROWN, WILLIAM V. Center of research on arteriosclerosis-Lipoprotein structure and function (human, cattle, swine).
- P17HL-14197-04 0004 (SRC) STEINBERG, DANIEL. Center of research on arteriosclerosis-Aortic wall metabolism and experimental atherosclerosis (dogs, swine).
- P17HL-14197-04 0005 (SRC) STEINBERG, DANIEL. Center of research on arteriosclerosis-Regulation of lipid and lipoprotein metabolism (rats, human).
- P17HL-14201-04 (SRC) COMROE, JULIUS H, JR, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Pulmonary disease research center.
- P17HL-14201-04 0001 (SRC) PHIBBS, RODERIC H. Pulmonary disease research center-Asphyxia, hypovolemia and hypotension in IRDS (human infants).
- P17HL-14201-04 0002 (SRC) GREGORY, GEORGE A. Pulmonary disease research center-Therapy of IRDS with continuous positive airway pressure (human, infants).
- P17HL-14201-04 0003 (SRC) BRADY, JUNE. Pulmonary disease research center-Factors influencing pulmonary blood flow in infants (human).
- P17HL-14201-04 0004 (SRC) TOOLEY, WILLIAM H. Pulmonary disease research center-Long term evaluation of infants who have survived IRDS (human).
- P17HL-14201-04 0005 (SRC) KITTERMAN, JOSEPH A. Pulmonary disease research center-Blood volume and pulmonary blood flow in the fetus (human, lambs).
- P17HL-14201-04 0006 (SRC) TOOLEY, WILLIAM H. Pulmonary disease research center-Development of lung stability (human, animals).
- P17HL-14201-04 0007 (SRC) CLEMENTS, J A. Pulmonary disease research center-Metabolism and regulation of pulmonary surface active material (human, animals).
- P17HL-14201-04 0003 (SRC) COHEN, ALLEN B. Pulmonary disease research center-Alpha-1-antitrypsin enzyme inhibitors in emphysema (human).
- P17HL-14201-04 0009 (SRC) GOLD, WARREN M. Pulmonary disease research center-Experimental pulmonary emphysema (rabbits).
- P17HL-14201-04 0010 (SRC) STAU, NORMAN C. Pulmonary disease research center-Repair and regeneration of alveolar walls after injury (cats).
- P17HL-14201-04 0011 (SRC) GOLD, WARREN M. Pulmonary disease research center-Irritable airways in sensitized dogs.
- P17HL-14201-04 0012 (SRC) GOLD, WARREN M. Pulmonary disease research center-Hyper-irritability of the airways in patients with asthma (also dogs).
- P17HL-14201-04 0013 (SRC) NADEL, JAY A. Pulmonary disease research center-Powdered tantalum as a roentgenographic contrast material (human, dogs).
- P17HL-14201-04 0014 (SRC) NADEL, JAY A. Pulmonary disease research center-Early detection of emphysema (human, dogs).
- P17HL-14201-04 0015 (SRC) GAMSU, GORDON. Pulmonary disease research center-Timed expiratory chest films for the detection of COPD (human).
- P17HL-14201-04 0017 (SRC) FANLEY, H BARRIE. Pulmonary disease research center-Sequalee of mechanical ventilation for respiratory failure (human).
- P17HL-14201-04 0018 (SRC) HICKEY, ROBERT F. Pulmonary disease research center-Regulation of respiration of anesthetized patients with COPD.
- P17HL-14201-04 0019 (SRC) STAU, NORMAN. Pulmonary disease research center-Quantitative studies on pulmonary edema (human, dogs, sheep).
- P17HL-14201-04 0020 (SRC) SEVERINGHAUS, JOHN W. Pulmonary disease research center-Pulmonary edema measurement with focused electrical impedance bridge (human).
- P17HL-14201-04 0023 (SRC) MURRAY, JOHN F. Pulmonary disease research center-Patients with COPD (also dogs).
- P17HL-14201-04 0024 (SRC) BALLARD, Pulmonary disease research center-Glucocorticoid effects on fetal lung development.
- P17HL-14207-04 (SRC) KROVETZ, LOUIS J, JOHNS HOPKINS HOSPITAL, DEPARTMENT OF PEDIATRICS, BALTIMORE, MD. Early detection and prevention of arteriosclerosis.
- P17HL-14207-04 0001 (SRC) KROVETZ, L JEROME. Early detection and prevention of arteriosclerosis-Dynamics of arterial vascular aging (human, rabbits).
- P17HL-14207-04 0002 (SRC) FRIEDMAN, M H. Early detection and prevention of arteriosclerosis-Pulsatile flow studies related to plaque formation in atherosclerosis (human).
- P17HL-14207-04 0003 (SRC) PIERONI, DANIEL R. Early detection and prevention of arteriosclerosis-Improved methods of non-invasive recording of intra-arterial pulses (human).
- P17HL-14207-04 0004 (SRC) LIBEN, WILLIAM. Early detection and prevention of arteriosclerosis-Sonic reflectometry for detection of early arteriosclerosis (human).
- P17HL-14207-04 0005 (SRC) BECKER, MARSHALL H. Early detection and prevention of arteriosclerosis-Dietary intervention therapy in children with serum lipoprotein abnormalities.
- P17HL-14209-04 (SRC) LIES, ROBERT S, MIT CLINICAL RES CTR, 50 AMES STREET, CAMBRIDGE, MASS. The MIT arteriosclerosis center.
- P17HL-14209-04 0001 (SRC) LIES, ROBERT S. The MIT arteriosclerosis center-Risk factor analysis (human).
- P17HL-14209-04 0002 (SRC) DEWEY, C FORBES JR. The MIT arteriosclerosis center-Phonoangiographic detection, quantification of arteriosclerosis (human, animal).
- P17HL-14209-04 0003 (SRC) JAFFRIN, MICHEL Y. The MIT arteriosclerosis center-Diagnosis of arteriosclerosis from the pressure pulse contour (human).
- P17HL-14209-04 0004 (SRC) WILSON, ROBERT B. The MIT arteriosclerosis center-Transport of lipoproteins through the arterial intima (swine).
- P17HL-14209-04 0005 (SRC) SMITH, KENNETH A. The MIT arteriosclerosis center-Solute transport and wall shear.
- P17HL-14209-04 0006 (SRC) COLMAN, ROBERT W. The MIT arteriosclerosis center-Blood coagulation in hyperlipoproteinemia (human).
- P17HL-14212-04 (SRC) GREEN, GARETH M, UNIVERSITY OF VERMONT, GIVEN BUILDING, C348, BURLINGTON, VT. Correlated studies of pulmonary disease.
- P17HL-14212-04 0001 (SRC) GRAHAM, WILLIAM G. Correlated studies of pulmonary disease-Clinical studies.
- P17HL-14212-04 0002 (SRC) BABBOTT, FRANK L JR. Correlated studies of pulmonary disease-Epidemiological studies.
- P17HL-14212-04 0003 (SRC) CRAIGHEAD, JOHN EDWARD. Correlated studies of pulmonary disease-Pathology and pathogenesis of pulmonary fibrosis (human,rats).
- P17HL-14212-04 0004 (SRC) KELLEHER, PHILIP C. Correlated studies of pulmonary disease-Chronic lung disease-Lung and sputum biochemistry (human).
- P17HL-14212-04 0005 (SRC) GUMP, DIETER W. Correlated studies of pulmonary disease-Immunology and microbiology of diffuse idiopathic fibrosis (human).
- P17HL-14212-04 0006 (SRC) GREEN, GARETH M. Correlated studies of pulmonary disease-Pulmonary cellular adaptation to abnormal environment (human, rodents, rabbits).
- P17HL-14212-04 0007 (SRC) LOW, ROBERT B. Correlated studies of pulmonary disease-Protein biosynthesis in alveolar macrophages (rabbits, guinea pigs, human).
- P17HL-14212-04 0010 (SRC) HANSON, JOHN S. Correlated studies of pulmonary disease-Physiological studies (human).
- P17HL-14214-04 (SRC) STAHLMAN, MILDRED T, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Neonatal lung center.
- P17HL-14214-04 0001 (SRC) DIPIETRO, DAVID. Neonatal lung center-Steroid biosynthesis and metabolism during pregnancy and parturition (sheep).
- P17HL-14214-04 0002 (SRC) CHYTHL, FRANK. Neonatal lung center-Enzymes during development of lungs (rats, human).
- P17HL-14214-04 0003 (SRC) LEQUIRE, VIRGIL S. Neonatal lung center-Fetal and neonatal lung studies (human, lambs, rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P17HL-14214-04 0005 (SRC) LEQUIRE, VIRGIL S. Neonatal lung center—Recovery process in HMD (human, lamb).
- P17HL-14214-04 0006 (SRC) BRILL, A. B. Neonatal lung center—Factors related to intracranial bleeding in HMD (human infants).
- P17HL-14214-04 0006 (SRC) SUNDELL, HAKAN. Neonatal lung center—Use of the Kolobow membrane lung in HMD (lambs).
- P17HL-14214-04 0010 (SRC) OTTEN, A. E. Neonatal lung center—Effects of a total parenteral alimentation on HMD (human).
- P17HL-14214-04 0011 (SRC) ABRAM, HARRY. Neonatal lung center—Long-term separation and attitudes, behavior of parents and HMD infants.
- P17HL-14214-04 0012 (SRC) COTTEN, R. Neonatal lung center—Pulmonary status of children who had HMD as infants.
- P17HL-14214-04 0013 (SRC) KIRK, VIRGINIA. Neonatal lung center—Developmental outcome of children who had HMD as infants.
- P17HL-14214-04 0014 (SRC) MICHELAKIS, A. Neonatal lung center—Role of renin-angiotensin hormonal systems in HMD (human, lambs).
- P17HL-14214-04 0015 (SRC) MENG, H. C. Neonatal lung center—Lipid synthesis in lungs of newborn (human, sheep).
- P17HL-14214-04 0016 (SRC) SUNDELL, HAKAN. Neonatal lung center—Effect of maternal distress on fetal lambs.
- P17HL-14214-04 0017 (SRC) STAHLMAN, MILDRED T. Neonatal lung center—Red cell volume in neonates (human).
- P17HL-14214-04 0018 (SRC) BRILL, A. B. Neonatal lung center—Ratio of pulmonary ventilation and perfusion in newborn lambs and humans.
- P17HL-14214-04 0019 (SRC) GRAY, MARY P. Neonatal lung center—Cyclic AMP as mediator of ACTH response (lambs).
- P17HL-14214-04 0020 (SRC) ORTH, DAVID. Neonatal lung center—Epidermal growth factor in blood (lambs, human).
- P17HL-14217-04 (SRC) SHERRY, SOL, TEMPLE UNIV SCHOOL OF MEDICINE, 3401 N BROAD STREET, PHILADELPHIA, PA. Specialized center of research in thrombosis.
- P17HL-14217-04 0002 (SRC) SALGANICOFF, LEON. Specialized center of research in thrombosis—Biochemical studies of platelets and vascular smooth muscle (human).
- P17HL-14217-04 0007 (SRC) CHARKES, N. DAVID. Specialized center of research in thrombosis—Clinical studies on thromboembolic disease (human, dogs).
- P17HL-14217-04 0010 (SRC) SOLUM, N. O. Specialized center of research in thrombosis—The clottable protein of *Limulus polyphemus* blood cells.
- P17HL-14217-04 0011 (SRC) SETKOWSKI, CAROL. Specialized center of research in thrombosis—Radioactive serotonin uptake to cold serotonin in platelets.
- P17HL-14217-04 0012 (SRC) SETKOWSKI, CAROL. Specialized center of research in thrombosis—Behavior of adonine nucleotides during platelet release reaction.
- P17HL-14217-04 0013 (SRC) BIBRO, MARY C. Specialized center of research in thrombosis—Relationship of inhibition of platelet function and metabolically active ATP.
- P17HL-14217-04 0014 (SRC) LIPSON, C. Specialized center of research in thrombosis—The mechanism of platelet aggregation.
- P17HL-14217-04 0015 (SRC) FUKAMI, M. Specialized center of research in thrombosis—Pharmacological studies on platelet and vascular smooth muscle.
- P17HL-14217-04 0016 (SRC) STEWART, GWENDOLYN J. Specialized center of research in thrombosis—Effects of adrenochrome complex on CaMg-activated ATPase of platelets.
- P17HL-14217-04 0017 (SRC) STEWART, GWENDOLYN J. Specialized center of research in thrombosis—Structural protein from rod cell membranes.
- P17HL-14217-04 0018 (SRC) MARDER, VICTOR J. Specialized center of research in thrombosis—Electron microscopic study of fibrinogen structure.
- P17HL-14217-04 0019 (SRC) NIEWIAROWSKI, S. Specialized center of research in thrombosis—Electron microscopic study of molecular interaction at the platelet surface.
- P17HL-14217-04 0020 (SRC) MARDER, VICTOR J. Specialized center of research in thrombosis—N-terminal amino acids of plasmin degradation products of fibrinogen.
- P17HL-14217-04 0021 (SRC) BUDZYNSKI, A. Z. Specialized center of research in thrombosis—Cyanogen bromide derivatives of fibrinogen.
- P17HL-14217-04 0022 (SRC) MARDER, VICTOR J. Specialized center of research in thrombosis—Macromolecular complexes in thrombotic states (human).
- P17HL-14217-04 0023 (SRC) SOLUM, N. O. Specialized center of research in thrombosis—Peptides produced by plasmin digestion of fibrinogen.
- P17HL-14217-04 0024 (SRC) BUDZYNSKI, A. Z. Specialized center of research in thrombosis—Solid phase synthesis of fibrinopeptides (human).
- P17HL-14217-04 0025 (SRC) EDWARD, N. Specialized center of research in thrombosis—Factor XIII induced cross-linking of fibrinogen derivatives.
- P17HL-14217-04 0026 (SRC) KIM, J. R. Specialized center of research in thrombosis—Clinical trial of anecrod.
- P17HL-14217-04 0027 (SRC) BUDZYNSKI, A. Z. Specialized center of research in thrombosis—Fibrinogen from Australia antigen-free donors.
- P17HL-14217-04 0028 (SRC) LYNCH, PETER R. Specialized center of research in thrombosis—Static flow zone in internal carotid bulb (dogs).
- P17HL-14217-04 0029 (SRC) WIEDEMAN, MARY. Specialized center of research in thrombosis—Microcirculation (bats).
- P17HL-14217-04 0030 (SRC) WIEDEMAN, MARY. Specialized center of research in thrombosis—Pseudointima in canine dacron aortic prosthetics (also human).
- P17HL-14217-04 0031 (SRC) RECHLE, FRERERICK A.. Specialized center of research in thrombosis—Flow capability of femoriotibial bypas.
- P17HL-14217-04 0032 (SRC) RECHLE, FRERERICK A.. Specialized center of research in thrombosis—Endothelialization in arterial prosthesis by autogenous vein strips (human, dogs).
- P17HL-14217-04 0033 (SRC) LAGES, BRUCE. Specialized center of research in thrombosis—Distribution of metal ions in platelets (human).
- P17HL-14217-04 0034 (SRC) MURER, ERIK. Specialized center of research in thrombosis—Platelet release reaction induced by inorganic ions (human).
- P17HL-14217-04 0035 (SRC) PARETI, FRANCESCO. Specialized center of research in thrombosis—Behavior of platelets in defective hemostasis (human).
- P17HL-14217-04 0036 (SRC) TALLARIDA, RONALD. Specialized center of research in thrombosis—Vascular smooth muscle.
- P17HL-14217-04 0037 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Electron microscopy of jugular and femoral veins (dogs).
- P17HL-14217-04 0038 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Dacron tubing for artery replacement (human).
- P17HL-14217-04 0039 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Storage pool disease (human).
- P17HL-14217-04 0040 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Radiopharmaceuticals for thrombus detection (mammals).
- P17HL-14217-04 0041 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Plasmin induced platelet aggregation and platelet release reaction (swine, human).
- P17HL-14217-04 0042 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Interaction of cells with polymerizing fibrin (human, rabbits, swine).
- P17HL-14217-04 0043 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Platelet antiheparin activity.
- P17HL-14217-04 0044 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Platelet coagulation activities.
- P17HL-14217-04 0045 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Patients with qualitative platelet defects.
- P17HL-14217-04 0046 (SRC) SHERRY, SOL. Specialized center of research in thrombosis—Platelet coagulant activities in thrombosis (human).
- P17HL-14218-04 (SRC) JAMES, L. STANLEY, BABES HOSPITAL, 622 WEST 168 STREET, NEW YORK, N. Y. Newborn lung center.
- P17HL-14218-04 0001 (SRC) JAMES, L. STANLEY. Newborn lung center—Longitudinal study of RDS of infants (human).
- P17HL-14218-04 0004 (SRC) JAMES, L. STANLEY. Newborn lung center—Metabolism of infants with respiratory distress syndrome (human).
- P17HL-14218-04 0005 (SRC) JAMES, L. STANLEY. Newborn lung center—Bacterial infection in infants with respiratory distress (human).
- P17HL-14218-04 0006 (SRC) JAMES, L. STANLEY. Newborn lung center—Pulmonary biochemical characteristics in RDS (human, sheep, dogs).
- P17HL-14218-04 0009 (SRC) JAMES, L. STANLEY. Newborn lung center—Filtration coefficient of pulmonary capillaries in experimental RDS (dogs, sheep).
- P17HL-14218-04 0010 (SRC) JAMES, L. STANLEY. Newborn lung center—In vivo CO₂ equilibration curve in the fetus (monkeys).
- P17HL-14228-04 (SRC) BRINKHOUS, KENNETH M., UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PATHOLOGY, CHAPEL HILL, N. C. Specialized center of research in thrombosis.
- P17HL-14228-04 0001 (SRC) THURSTONE, FREDERICK L. Specialized center of research in thrombosis—Blood rheology and thrombosis.
- P17HL-14228-04 0002 (SRC) MASON, REGINALD G. JR. Specialized center of research in thrombosis—Mechanisms of platelet adhesion and aggregation in thrombosis (human, dogs).
- P17HL-14228-04 0003 (SRC) WEBSTER, WILLIAM P. Specialized center of research in thrombosis—Rejection in transplantation model (dogs).
- P17HL-14228-04 0004 (SRC) SCATLUFF, JAMES H. Specialized center of research in thrombosis—Thrombus delineation by angiograms and radionuclides (human, dogs).
- P17HL-14228-04 0005 (SRC) HERMANS, JAN. Specialized center of research in thrombosis—Mechanical properties and formation of fibrin networks (human).
- P17HL-14228-04 0006 (SRC) GERATZ, J. DIETER. Specialized center of research in thrombosis—Synthetic inhibitors of coagulation and fibrinolysis (dogs, cattle, human).
- P17HL-14228-04 0007 (SRC) WAGNER, ROBERT H. Specialized center of research in thrombosis—Factor XIII in thrombus formation and degradation (human, dogs).
- P17HL-14228-04 0008 (SRC) JOHNSON, GEORGE. Specialized center of research in thrombosis—Thrombus formation detection and prevention in animals and man.
- P17HL-14230-04 (SRC) CONNOR, WILLIAM E., UNIVERSITY HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Lipids, atherosclerosis and thrombosis.
- P17HL-14238-04 0007 (SRC) LAUER, RONALD M. Lipids, atherosclerosis and thrombosis—Hyperlipidemia and other coronary risk factors in children.
- P17HL-14230-04 0008 (SRC) DENBESTEN, LARRY. Lipids, atherosclerosis and thrombosis—High carbohydrate, fat-free diet and serum lipids (human).
- P17HL-14230-04 0009 (SRC) BHATTACHARYYA, ASKIM K. Lipids, atherosclerosis and thrombosis—Normal cholesterol and hypercholesterolemia in men.
- P17HL-14230-04 0010 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Cholesterol overload (human).
- P17HL-14230-04 0011 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Beta-sitosterolemia and xanthomatosis (human).
- P17HL-14230-04 0012 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Blood platelet cholesterol turnover (human).
- P17HL-14230-04 0013 (SRC) GOPLERUD, C. P. Lipids, atherosclerosis and thrombosis—Dietary cholesterol and hypercholesterolemia of pregnant women.
- P17HL-14230-04 0014 (SRC) SPECTOR, ARTHUR A. Lipids, atherosclerosis and thrombosis—Hypertriglyceridemia in regards to alcohol or carbohydrate (human).
- P17HL-14230-04 0015 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Body weight on serum lipids and glucose tolerance (human).
- P17HL-14230-04 0016 (SRC) KIRKENDALL, W. M. Lipids, atherosclerosis and thrombosis—Dietary sodium and blood pressure (human).
- P17HL-14230-04 0017 (SRC) BHATTACHARYYA, ASKIM K. Lipids, atherosclerosis and thrombosis—Excretion of sterols from the skin (human).
- P17HL-14230-04 0018 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Dissolution of gallstones (dogs).
- P17HL-14230-04 0019 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Tissue cholesterol and Type II hyperbetaipoproteinemic subject (primates).
- P17HL-14230-04 0020 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Cholesterol balance and dietary cholesterol (primates).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- P17HL-14230-04 0021 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Intestinal biosynthesis of cholesterol (guinea pig).
- P17HL-14230-04 0022 (SRC) DENBESTEN, LARRY. Lipids, atherosclerosis and thrombosis—Dietary cholesterol on bile composition in man.
- P17HL-14230-04 0023 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Cholesterol-free diet after diet-induced atherosclerosis (primates).
- P17HL-14230-04 0024 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Plasma and carcass cholesterol (primates).
- P17HL-14230-04 0025 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Cholesterol content of viscera in atherosclerosis (mammals).
- P17HL-14230-04 0026 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Mucosubstances during atherosclerosis and regression (primates).
- P17HL-14230-04 0027 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Comparative atherogenicity of high-cholesterol diet (primates).
- P17HL-14230-04 0028 (SRC) LAUER, RONALD M. Lipids, atherosclerosis and thrombosis—Angiographic studies (human).
- P17HL-14230-04 0029 (SRC) MACA, R D. Lipids, atherosclerosis and thrombosis—Endothelial injury and platelet aggregation (rabbits).
- P17HL-14230-04 0030 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Freeze-etching studies of human platelets.
- P17HL-14230-04 0031 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Highly sensitive method for assay of plasminogen (human).
- P17HL-14230-04 0032 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Free fatty acids and platelets adhesiveness (human).
- P17HL-14230-04 0033 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Detection of circulating platelet aggregates (human, rabbits).
- P17HL-14230-04 0034 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Platelet aggregation and adhesiveness (human, rabbits).
- P17HL-14230-04 0035 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Patients with thromboembolic disease.
- P17HL-14230-04 0036 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Studies with endothelium (human).
- P17HL-14230-04 0037 (SRC) WARNER, EMORY D. Lipids, atherosclerosis and thrombosis—Porcine stress syndrome (swine).
- P17HL-14230-04 0038 (SRC) WARNER, EMORY D. Lipids, atherosclerosis and thrombosis—Transplantable hemangioendotheliomas in mice.
- P17HL-14230-04 0039 (SRC) RODMAN, NATHANIEL F. Lipids, atherosclerosis and thrombosis—Platelet function and inhibition of platelet function (human, rats).
- P17HL-14230-04 0040 (SRC) PITKIN, ROY M. Lipids, atherosclerosis and thrombosis—Placental transfer of cholesterol-R-C14 in the human fetus.
- P17HL-14230-04 0041 (SRC) WENE, W E. Lipids, atherosclerosis and thrombosis—Fatty acid deficiency in healthy men fed fat-free diets.
- P17HL-14230-04 0042 (SRC) JAGANNATHAN, S N. Lipids, atherosclerosis and thrombosis—Cholesterol in the arterial tree in the monkey.
- P17HL-14230-04 0043 (SRC) SARNA, E M. Lipids, atherosclerosis and thrombosis—Hypertriglyceridemia without atherosclerosis (dogs).
- P17HL-14230-04 0044 (SRC) BHATTACHARYYA, ASKIM K. Lipids, atherosclerosis and thrombosis—Cholesterol in cerebrotendinous Xanthomatosis (human).
- P17HL-14230-04 0045 (SRC) JAGANNATHAN, S N. Lipids, atherosclerosis and thrombosis—Cholesterol in adipose tissue and skeletal muscle (human).
- P17HL-14230-04 0046 (SRC) BHATTACHARYYA, ASKIM K. Lipids, atherosclerosis and thrombosis—Gallstone cholesterol and plasma cholesterol (human).
- P17HL-14230-04 0047 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Alcohol on hyperbeta lipoproteinemia (human).
- P17HL-14230-04 0048 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Dietary carbohydrates in type IV hyperlipidemic patients.
- P17HL-14230-04 0049 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Dietary fat modification in type V hyperlipidemia (human).
- P17HL-14230-04 0050 (SRC) PRY, M. Lipids, atherosclerosis and thrombosis—Serum lipid levels in patients with acute anorexia nervosa (human).
- P17HL-14230-04 0051 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Dietary fat in cholesterol absorption (human).
- P17HL-14230-04 0052 (SRC) LIN, I S. Lipids, atherosclerosis and thrombosis—Method to measure cholesterol absorption in man.
- P17HL-14230-04 0053 (SRC) ABBOUD, F M. Lipids, atherosclerosis and thrombosis—Excessive sodium intake and deprivation (human).
- P17HL-14230-04 0054 (SRC) BARTER, P J. Lipids, atherosclerosis and thrombosis—Hypolipidemia in hypercholesterolemic patients.
- P17HL-14230-04 0055 (SRC) BARTER, P J. Lipids, atherosclerosis and thrombosis—Esterified cholesterol transported in lipoproteins (human).
- P17HL-14230-04 0056 (SRC) BARTER, P J. Lipids, atherosclerosis and thrombosis—Plasma esterified cholesterol in triglyceridemic humans.
- P17HL-14230-04 0057 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Coronary risk factors in Tarahumara Indians.
- P17HL-14230-04 0058 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Dietary cholesterol on sterol balance of Tarahumara Indians.
- P17HL-14230-04 0059 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Correlation of transverse intimal area and dietary cholesterol (monkeys).
- P17HL-14230-04 0060 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Sucrose feeding on plasma triglycerides (primates).
- P17HL-14230-04 0061 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Dietary cholesterol and distribution of plasma lipoprotein (monkeys).
- P17HL-14230-04 0062 (SRC) ARMSTRONG, M L. Lipids, atherosclerosis and thrombosis—Arterial fibrous proteins after atherogenic and regression regimens (monkeys).
- P17HL-14230-04 0063 (SRC) BARNES, R. Lipids, atherosclerosis and thrombosis—Peripheral arteries in atherosclerosis and regression (monkeys).
- P17HL-14230-04 0064 (SRC) JACOBSEN, C D. Lipids, atherosclerosis and thrombosis—Abnormal fibrinogen with no clinical symptoms (human).
- P17HL-14230-04 0065 (SRC) WU, K K. Lipids, atherosclerosis and thrombosis—Assay of plasminogen using latex flocculation.
- P17HL-14230-04 0066 (SRC) WU, K K. Lipids, atherosclerosis and thrombosis—Urinary plasminogen and chronic glomerulonephritis (human).
- P17HL-14230-04 0067 (SRC) WU, K K. Lipids, atherosclerosis and thrombosis—Radiolabeled iodine fibrinogen studies (human).
- P17HL-14230-04 0068 (SRC) LEWIS, JAMES L. Lipids, atherosclerosis and thrombosis—Growth of human endothelial cells in culture.
- P17HL-14230-04 0069 (SRC) CZERRIONKE, R L. Lipids, atherosclerosis and thrombosis—Utilization of free fatty acid by cultured endothelial cells (human).
- P17HL-14230-04 0070 (SRC) LEWIS, JAMES L. Lipids, atherosclerosis and thrombosis—Methodology of growth of human endothelial cells in culture.
- P17HL-14230-04 0071 (SRC) HOAK, JOHN C. Lipids, atherosclerosis and thrombosis—Ultrastructure of cultured human endothelial cells.
- P17HL-14230-04 0072 (SRC) ANNEBERG, A L. Lipids, atherosclerosis and thrombosis—Growth of cultured endothelial cells in vascular grafts.
- P17HL-14230-04 0073 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Cholesterol and beta sitosterol from skin fibroblasts (human).
- P17HL-14230-04 0074 (SRC) LEWIS, JAMES L. Lipids, atherosclerosis and thrombosis—Lipid-lipoprotein and metabolism in human endothelium cells (and primates).
- P17HL-14230-04 0075 (SRC) PENICK, GEORGE D. Lipids, atherosclerosis and thrombosis—Vascular thrombosis and arteriosclerosis (rats).
- P17HL-14230-04 0076 (SRC) LAUER, R M. Lipids, atherosclerosis and thrombosis—Hypertension in childhood (human).
- P17HL-14230-04 0077 (SRC) SCHROTT, H G. Lipids, atherosclerosis and thrombosis—Genetic and epidemiological evaluation of hyperlipidemia among children (human).
- P17HL-14230-04 0078 (SRC) DOUGLAS, T S. Lipids, atherosclerosis and thrombosis—Biosynthesis of cholesterol in the Florida land crab.
- P17HL-14230-04 0079 (SRC) BHATTACHARYYA, ASKIM K. Lipids, atherosclerosis and thrombosis—Sitosterol and cholesterol in diet upon sterol balance (human).
- P17HL-14230-04 0080 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Absorption of seafood sterols other than cholesterol (human).
- P17HL-14230-04 0081 (SRC) GOPLERUD, C P. Lipids, atherosclerosis and thrombosis—Sterol balance studies in pregnancy (human).
- P17HL-14230-04 0082 (SRC) CONNOR, WILLIAM E. Lipids, atherosclerosis and thrombosis—Bile composition during pregnancy (human).
- P17HL-14230-04 0083 (SRC) AHRBNS, EDWARD H, JR, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Prevention of premature arteriosclerosis.
- P17HL-14230-04 0084 (SRC) GOODMAN, DEWITT S. Prevention of premature arteriosclerosis—Metabolism and transport of cholesterol and vitamin A (human, rats, rabbits).
- P17HL-14230-04 0085 (SRC) CANNON, PAUL J. Prevention of premature arteriosclerosis—Myocardial blood flow in patients with coronary arteriosclerosis.
- P17HL-14230-04 0086 (SRC) NOSSEL, HYME L. Prevention of premature arteriosclerosis—Intravascular clotting in patients with hyperlipidemia.
- P17HL-14230-04 0087 (SRC) EDER, HOWARD A. Prevention of premature arteriosclerosis—Plasma lipoproteins (human, rats).
- P17HL-14230-04 0088 (SRC) DEANING, QUENTIN B. Prevention of premature arteriosclerosis—Hypertension and hyperlipoproteinemia (human, rats).
- P17HL-14230-04 0089 (SRC) EDER, HOWARD A. Prevention of premature arteriosclerosis—Carbohydrate metabolism and hypertriglyceridemia (human).
- P17HL-14230-04 0090 (SRC) FRANK, CHARLES. Prevention of premature arteriosclerosis—Exercise stress testing hyperlipoproteinemia (human).
- P17HL-14230-04 0091 (SRC) GALLOP, PAUL M. Prevention of premature arteriosclerosis—Lipoproteins of cell membranes (human).
- P17HL-14230-04 0092 (SRC) AHRBNS, EDWARD H JR. Prevention of premature arteriosclerosis—Clinical studies on cholesterol metabolism (human).
- P17HL-14230-04 0093 (SRC) CORNFIELD, JEROME. Prevention of premature arteriosclerosis—Computer programs.
- P17HL-14230-04 0094 (SRC) SAMUEL, P. Prevention of premature arteriosclerosis—Nutritional program.
- P17HL-14230-04 0095 (SRC) INSULL, W. Prevention of premature arteriosclerosis—Automated lipid analysis.
- P17HL-14230-04 0096 (SRC) HYMAN, MARTIN D. Prevention of premature arteriosclerosis—Patient compliance.
- P17HL-14230-04 0097 (SRC) HAVEL, RICHARD J, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, SAN FRANCISCO, CALIF. Arteriosclerosis center.
- P17HL-14230-04 0098 (SRC) HAVEL, RICHARD J. Arteriosclerosis center—Specific apolipoproteins in lipoprotein structure, function (human, rats).
- P17HL-14230-04 0099 (SRC) FELDINO, CHRISTOPHER J. Arteriosclerosis center—Enzymatic basis of lipoprotein lipid metabolism (human, rats).
- P17HL-14230-04 0100 (SRC) KANE, JOHN P. Arteriosclerosis center—Subunit structure, composition of apolipoprotein in hyperlipoproteinemic man.
- P17HL-14230-04 0101 (SRC) HAMBLTON, ROBERT L. Arteriosclerosis center—Subcellular mechanisms of lipoprotein metabolism (human, rats).
- P17HL-14230-04 0102 (SRC) HAVEL, RICHARD J. Arteriosclerosis center—Hyperlipoproteinemia in a defined population (human).
- P17HL-14230-04 0103 (SRC) KANE, JOHN P. Arteriosclerosis center—Drug treatment of familial hyperbeta lipoproteinemia (human).
- P17HL-14242-04 (SRC) MUIRHEAD, ERNEST E, BAPTIST MEMORIAL HOSPITAL, 839 MADISON AVE, MEMPHIS, TENN. Specialized center of research in hypertension.
- P17HL-14242-04 0001 (SRC) MUIRHEAD, ERNEST E. Specialized center of research in hypertension—Clinical study of malignant hypertension.
- P17HL-14242-04 0002 (SRC) MUIRHEAD, ERNEST E. Specialized center of research in hypertension—Acute glomerulonephritis in childhood and hypertension in young Black patients.
- P17HL-14242-04 0003 (SRC) MUIRHEAD, ERNEST E. Specialized center of research in hypertension—Renomedullary antihypertensive function and renomedullary lipid (rats, rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P17HL-14251-04 (SRC) PATTERSON, JOHN L. JR, MEDICAL COLLEGE OF VIRGINIA, 1200 EAST BROAD STREET, RICHMOND, VA. Pathophysiology and management of respiratory insufficiency.

P17HL-14251-04 0001 (SRC) PATTERSON, JOHN L. JR. Pathophysiology and management of respiratory insufficiency—Brain circulation (cats, rabbits).

P17HL-14251-04 0003 (SRC) PATTERSON, JOHN L. JR. Pathophysiology and management of respiratory insufficiency—Hypoxia, hypercapnia and CNS-induced cardiac arrhythmias (cats).

P17HL-14251-04 0007 (SRC) PATTERSON, JOHN L. JR. Pathophysiology and management of respiratory insufficiency—Pulmonary circulation (dogs).

P17HL-14251-04 0008 (SRC) PATTERSON, JOHN L. J. Pathophysiology and management of respiratory insufficiency—Evaluation of peak acceleration (human).

R01HL-14262-03 (PTHA) JANOFF, AARON, STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF PATHOLOGY, STONY BROOK, N. Y. Human leukocyte elastase in vascular and lung disease (mice, rabbit, dog, monkey).

R01HL-14267-04 (SGYB) EBERT, PAUL A, CORNELL MEDICAL CENTER, 1300 YORK AVENUE, NEW YORK, N. Y. Evaluation of rejection of cardiac transplants (dogs, mice).

R01HL-14270-03 (BDCB) CHIEN, JAMES C, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF CHEMISTRY, AMHERST, MASS. Metal and ligand bindings in hemoproteins and enzymes.

R01HL-14271-02 (BDCB) LITT, MITCHELL, UNIVERSITY OF PENNSYLVANIA, 380 TOWNE BUILDING, PHILADELPHIA, PA. Physico-chemical properties of tracheal mucus (dogs, frogs).

R01HL-14273-03 (NTN) KUMMEROW, FRED A, UNIVERSITY OF ILLINOIS, BURNSIDES RESEARCH LABORATORY, URBANA, ILL. Function of elongated t-fatty acids in tissue lipids (rats).

R01HL-14277-02 (CVA) LIPPER, ALLAN M, UNIV OF VIRGINIA SCH OF MED, DEPARTMENT OF PHYSIOLOGY, CHARLOTTESVILLE, VA. Myocardial depressant factor in circulatory shock (cats, dogs).

R01HL-14278-03 (CVA) MILHORN, HOWARD T, JR, UNIV OF MISSISSIPPI MED CTR, 2500 N STATE STREET, JACKSON, MISS. Quantitation of CO₂ inhibition in ventilatory control (human).

R01HL-14282-02 (TEC) MASS, WILLIAM K, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Aspirin in cerebral ischemia—Joint study (human).

R01HL-14284-02 (TEC) RAUER, RAYMOND B, HARPER HOSPITAL, 3825 BRUSH STREET, DETROIT, MICH. Aspirin in cerebral ischemia—Joint study (human).

R01HL-14285-02 (TEC) DYKEN, MARK L, JR, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Aspirin in cerebral ischemia—Joint study (human).

R01HL-14286-02 (TEC) YATSU, FRANK M, SAN FRANCISCO GENERAL HOSPITAL, SOLARIUM 33, SAN FRANCISCO, CALIF. Aspirin in cerebral ischemia—Joint study (human).

R01HL-14292-02 (CVB) POWELL, WILLIAM J, JR, MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS. Intrinsic control of cardiac performance (cats).

R01HL-14294-03 (SGYB) NORMAN, JOHN C, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Thermal effects at biomaterials interfaces (dogs).

R01HL-14295-03 (CVA) GOLDBLATT, HARRY, MT SINAI HOSP OF CLEVELAND, 1800 EAST 105TH STREET, CLEVELAND, OHIO. Experimental renal and neurogenic hypertension (human, dogs).

R01HL-14297-03 (CVA) NABYE, RICHARD L, PENNSYLVANIA STATE UNIVERSITY, COLLEGE OF MEDICINE, HERSHEY, PA. The arteriolar basis for microcirculatory disorders (human).

R01HL-14301-03 (END) REDDY, WILLIAM J, UNIV OF ALABAMA SCHOOL OF MED, 1919 7TH AVENUE SOUTH, BIRMINGHAM, ALA. Cardiac metabolism—glycolysis and its control (rats).

R01HL-14302-03 (PTHA) OWEN, CHARLES A, JR, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Induced chronic intravascular coagulation (dogs).

R01HL-14305-03 (VR) SMITH, KENDALL O, UNIV OF TEXAS MEDICAL SCHOOL, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Viruses in chronic cardiovascular disease (human, dogs).

R01HL-14306-03 (GMB) COWLEY, ALLEN W, JR, UNIV OF MISS SCH OF MEDICINE, 2500 NORTH STATE STREET, JACKSON, MISS. Quantitative analysis of the renin-angiotensin system (dogs).

R01HL-14313-03 (MET) QUARFORDT, STEVEN H, VETERANS ADMINISTRATION HOSP, COOPERATIVE LIPID LAB, DURHAM, N. C. Metabolism of lipoprotein lipid and protein (human, monkeys).

R01HL-14315-03 (CVA) VICK, ROBERT L, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Adrenergic cardiovascular effects—Role of potassium.

R01HL-14316-03 (CVA) HANNA, WILLIAM T, BATTLE MEMORIAL INSTITUTE, 505 KING AVENUE, COLUMBUS, OHIO. Mathematical modeling of left ventricular function (human).

R01HL-14317-03 (CVB) BANCHERO, NATAJO, UNIV OF COLORADO MED CTR, 4200 E 9TH AVENUE, DENVER, COLO. Cardiac output distribution hypoxia (dogs).

P01HL-14322-03 (HEP) MANN, ROBERT W, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Interdisciplinary program in biomaterials science.

P01HL-14322-03 0001 (HEP) MERRILL, EDWARD W. Interdisciplinary program in biomaterials science—Thrombo-resistant biomaterials.

P01HL-14322-03 0002 (HEP) WAUGH, DAVID F. Interdisciplinary program in biomaterials science—Blood-surface interactions (mammals).

P01HL-14322-03 0003 (HEP) SALZMAN, EDWIN W. Interdisciplinary program in biomaterials science—Thromboresistant materials (mammals).

P01HL-14322-03 0004 (HEP) HABER, EDGAR. Interdisciplinary program in biomaterials science—Intravascular coagulation in relation to artificial surfaces in vivo.

P01HL-14322-03 0005 (HEP) BERNHARD, WILLIAM F. Interdisciplinary program in biomaterials science—Methods to accelerate biologic interface development.

P01HL-14322-03 0006 (HEP) CAPLAN S ROY. Interdisciplinary program in biomaterials science—Transport mechanisms in synthetic membranes and biologic tissues (frogs, toads).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01HL-14322-03 0007 (HEP) CRAVALHO, ERNEST G. Interdisciplinary program in biomaterials science—Study of heat transfer processes in biologic materials (animals).

P01HL-14322-03 0008 (HEP) HUGGINS, CHARLES E. Interdisciplinary program in biomaterials science—Fundamentals of freezing and thawing processes in human blood elements.

P01HL-14322-03 0009 (HEP) YANNAS, IOANNIS V. Interdisciplinary program in biomaterials science—Molecular design and clinical application of collagen-gelatin composite material.

P01HL-14322-03 0010 (HEP) SHAPIRO, ASCHER H. Interdisciplinary program in biomaterials science—Erythrocyte induced motion on migration of chemicals and erythrocytes in blood.

P01HL-14322-03 0011 (HEP) MKKIC, BORIVOJE. Interdisciplinary program in biomaterials science—Blood oxygenation synthetic membranes and liquid-liquid surfaces (sheep).

P01HL-14322-03 0012 (HEP) BENEDEK, GEORGE B. Interdisciplinary program in biomaterials science—Facility for measurement of physical and chemical changes in macromolecules.

P01HL-14322-03 0013 (HEP) OGLIVE, ROBERT E. Interdisciplinary program in biomaterials science—Micro-analysis of fine structure in biological materials (mice, rats).

P01HL-14322-03 0014 (HEP) VONHIPPPEL, ARTHUR R. Interdisciplinary program in biomaterials science—Dielectric analysis of biomaterials.

P01HL-14322-03 0015 (HEP) KINO, JOHN G. Interdisciplinary program in biomaterials science—Development of molecular microscopy for surface studies in biology.

P01HL-14322-03 0016 (HEP) ESSIG, ALVIN. Interdisciplinary program in biomaterials science—Transport mechanisms in synthetic membranes and biological tissues.

P01HL-14322-03 0017 (HEP) STANLEY, H EUGENE. Interdisciplinary program in biomaterials science—Transport mechanism in synthetic membranes and biological tissues.

R01HL-14325-03 (PHRA) SMITH, THOMAS W, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Digitalis effects—Mechanism and reversal studies (human, animals).

R01HL-14326-03 (PHRA) MANDEL, WILLIAM J, CEDARS OF LEBANON HOSPITAL, 4833 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Antiarrhythmic drug evaluation (dogs).

R01HL-14328-03 (PHY) KEPNER, GORDON R, UNIVERSITY OF MINN, 424 MILLARD HALL, MINNEAPOLIS, MINN. Physiological regulation of ion transport and volume (human).

R01HL-14329-03 (PHY) BALLARD, KATHRYN W, 1200 NORTH STATE STREET, BOX 1800, LOS ANGELES, CALIF. Circulation in adipose tissue (dogs).

R01HL-14330-02 (PHY) REMMERS, JOHN E, DARTMOUTH MEDICAL SCHOOL, DEPT OF PHYSIOLOGY, HANOVER, N. H. Neural mechanisms controlling motor act of breathing (cats, human).

R01HL-14333-03 (SGYB) FONKALSrud, ERIC W, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF SURGERY, LOS ANGELES, CALIF. Experimental and clinical lung transplantation (dogs, human).

R01HL-14336-02 (TEC) OLINGER, CHARLES P, CINCINNATI GENERAL HOSPITAL, 234 GOODMAN STREET, CINCINNATI, OHIO. Aspirin in cerebral ischemic—Joint study (human).

R01HL-14337-02 (TEC) SATRAN, RICHARD, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Aspirin in cerebral ischemia—Joint study (human).

R01HL-14338-02 (TEC) HALSEY, JAMES H, JR, UNIVERSITY OF ALABAMA, 1919 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. Aspirin in cerebral ischemia—Joint study (human).

R01HL-14340-02 (SRC) FIELDS, WILLIAM S, ST ANTHONY CENTER, 6301 ALMEDA RD, HOUSTON, TEX. Central registry—Aspirin in cerebral ischemia (human).

R01HL-14344-03 (HEM) KATTOVE, HERMAN E, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Platelet function and adenine nucleotide metabolism (human).

R01HL-14344-03 (HEM) CHAO, FRANCIS C, CENTER FOR BLOOD RESEARCH, 800 HUNTINGTON AVENUE, BOSTON, MASS. Platelet contractility and clot retraction (human).

R01HL-14348-03 (CVA) BANKS, ROBERT O, UNIV OF CINCINNATI COLL OF MED, EDEN & BETHESDA AVES, CINCINNATI, OHIO. Intrarenal blood flow and sodium excretion (dogs, rats).

R01HL-14350-02 (CVA) COFFMAN, JAY D, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Venous flow velocity, venous volume, and blood flow (human).

R01HL-14358-03 (GMB) BRECHER, PETER I, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Mechanism of angiotensin action on target tissues (dogs).

R01HL-14359-03 (GMB) MICHELAKIS, ANDREW M, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. New vasoactive factors and their role in hypertension (human, dogs, rats).

R01HL-14361-03 (GMB) WILSON, DAVID M, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Cadmium, renin-angiotensin and hypertension.

R01HL-14362-03 (CVB) HERMARECK, ARLO S, UNIVERSITY OF KANSAS, 39TH & RAINBOW BOULEVARD, KANSAS CITY, KANS. Acute renal failure (dogs, cats, rats, guinea pigs).

R01HL-14372-02 (TEC) PEARCE, LARRY A, BOWMAN GRAY SCHOOL OF MEDICINE, SOUTH HAWTHORNE ROAD, WINSTON-SALEM, N. C. Aspirin in cerebral ischemia—joint study.

R01HL-14378-03 (SGYA) BARBORIAK, JOSEPH J, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Lipemias and reconstructive cardiac surgery (human).

P01HL-14388-03 (HEP) ABBODD, FRANCOIS M, UNIVERSITY HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Regulation of the circulation in pathological states.

P01HL-14388-03 0001 (HEP) ABBODD, F M. Regulation of the circulation in pathological states—Regulation of vascular resistance in genetic hypertension (rats, cats).

P01HL-14388-03 0002 (HEP) ABBODD, F M. Regulation of the circulation in pathological states—Vasodilator activity in renal hypertension and experimental hypertension (dogs, r.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P01HL-14388-03 0003 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Patterns of baroreceptor afferents in response to pressure (dogs).	R01HL-14397-03 (GMB) NEEDLEMAN, PHILIP, WASHINGTON UNIV SCHOOL OF MED, 660 SOUTH EUCLID, ST LOUIS, MO. Hypertension—Angiotensin (dogs, rats, guinea pigs, monkeys, rabbits).
P01HL-14388-03 0004 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Sympathetic innervation to vascular smooth muscle in hypertension (animal).	R01HL-14399-03 (ABY) RICHMOND, VIRGINIA L, VIRGINIA MASON RES CTR, 1000 SENECA STREET, SEATTLE, WASH. Lung collagen and elastin (guinea pigs).
P01HL-14388-03 0005 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Blood flow in chronic renal hypertension and neurogenic hypertension (dogs).	R01HL-14407-03 (PHRA) MAY, DAVID G, GEORGETOWN U SCHS OF MED & DEN, 3900 RESERVOIR RD, N W, WASHINGTON, D C. Renal endogenous acid transport—normal—hypertensive (dogs, monkeys).
P01HL-14388-03 0006 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Influence of exercise on development of experimental hypertension (rats).	R01HL-14408-03 (RAD) SPARKS, HARVEY V, UNIVERSITY OF MICHIGAN, 7793 MED SCI II BLDG, ANN ARBOR, MICH. Atherosclerosis and radio frequency irradiation (rabbits, rats, monkeys).
P01HL-14388-03 0007 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Effect of elevated arterial pressure on vascular response in hypertension (dogs).	R01HL-14412-03 (TOX) HARRIS, WILLARD S, UNIV OF ILLINOIS HOSPITAL, 840 SOUTH WOOD STREET, CHICAGO, ILL. Cardiac toxicity of aerosol propellants (human, mammals).
P01HL-14388-03 0008 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Sympathetic nervous system in development of hypertension (rats).	P01HL-14414-03 (HEP) FARHI, LEON E, STATE UNIV OF NEW YORK AT BUFF, DEPARTMENT OF PHYSIOLOGY, BUFFALO, N Y. Cardiorespiratory performance and environmental factors.
P01HL-14388-03 0009 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Prostaglandins, adrenergic transmission, arterial pressure regulation (dogs).	P01HL-14414-03 0001 (HEP) FARHI, LEON E. Cardiorespiratory performance and environmental factors—Diffusing capacity of lung with artificial blood (rabbits).
P01HL-14388-03 0010 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Hypertension produced by central administration of angiotensin (dogs).	P01HL-14414-03 0002 (HEP) FARHI, LEON E. Cardiorespiratory performance and environmental factors—CO ₂ gradients with artificial blood (rabbits).
P01HL-14388-03 0011 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Effects of dietary sodium on blood pressure and vascular reactivity in man.	P01HL-14414-03 0003 (HEP) FARHI, LEON E. Cardiorespiratory performance and environmental factors—Gas diffusion and alveolar gas exchange (dogs, human).
P01HL-14388-03 0012 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Role of active reflex vasodilation in hypertension in man.	P01HL-14414-03 0004 (HEP) PAGANELLI, CHARLES V. Cardiorespiratory performance and environmental factors—Role of diffusion in gas exchange (chicken egg).
P01HL-14388-03 0013 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Angiotensin and sympathetic stimulation in man.	P01HL-14414-03 0003 (HEP) OLSZOWKA, ALBERT J. Cardiorespiratory performance and environmental factors—Estimation of ventilation-perfusion maldistribution (human).
P01HL-14388-03 0014 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Renal hemodynamic and natriuretic effects of antihypertensives (dogs).	P01HL-14414-03 0006 (HEP) LANPHER, EDWARD H. Cardiorespiratory performance and environmental factors—Factors influencing gas flow at depth (human).
P01HL-14388-03 0015 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Mechanism of natriuresis in hypertension (dogs).	P01HL-14414-03 0007 (HEP) BISHOP, BEVERLY. Cardiorespiratory performance and environmental factors—Control of active expiration (cats, human).
P01HL-14388-03 0016 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Heparin in treatment of malignant hypertension (rats).	P01HL-14414-03 0008 (HEP) RENNIE, DONALD W. Cardiorespiratory performance and environmental factors—Circulatory function and heat exchange in water (human).
P01HL-14388-03 0017 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Neurogenic vasoconstriction in heart failure (dogs).	P01HL-14414-03 0009 (HEP) RENNIE, DONALD W. Cardiorespiratory performance and environmental factors—Comparative study of cardiopulmonary fitness (human).
P01HL-14388-03 0018 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Capillary filtration, permeability and area in heart failure and hypoxia (dogs).	P01HL-14414-03 0010 (HEP) HOGAN, PERRY M. Cardiorespiratory performance and environmental factors—Cardiac effects of high pressure (dogs).
P01HL-14388-03 0019 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Vasopressin in heart failure (dogs).	P01HL-14414-03 0011 (HEP) VAN LIEW, HUGH D. Cardiorespiratory performance and environmental factors—Gas balance of tissues (rats, cats).
P01HL-14388-03 0020 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Therapeutic interventions in heart failure (human).	P01HL-14414-03 0012 (HEP) FARHI, LEON E. Cardiorespiratory performance and environmental factors—Factors limiting gas exchange between tissues and blood (dogs).
P01HL-14388-03 0021 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Mechanism of natriuresis in heart failure (dogs).	P01HL-14414-03 0013 (HEP) HOWELL, BARBARA J. Cardiorespiratory performance and environmental factors—Body temperature and pH regulation (invertebrates, bullfrogs).
P01HL-14388-03 0022 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Mechanisms of exertional syncope in aortic stenosis (human).	P01HL-14414-03 0014 (HEP) REEVES, ROBERT B. Cardiorespiratory performance and environmental factors—Carbon dioxide and body temperature in poikilotherm vertebrates (bullfrog).
P01HL-14388-03 0023 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Lipid deposition in blood vessels (monkeys).	R01HL-14434-03 (CVA) PRESSMAN, BERTON C, UNIVERSITY OF MIAMI SCH OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Ionophore action on heart and other membrane systems (rats, rabbits, dogs).
P01HL-14388-03 0024 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Adrenergic system in atherosclerosis (monkeys).	R01HL-14434-03 (CVA) WINTER, PETER M, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Pulmonary oxygen toxicity (human, rabbits).
P01HL-14388-03 0025 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Hemodynamics, metabolism and angiography of hyperlipoproteinemias (human).	R01HL-14453-03 (BBCA) HERSKOVITS, THEODORE T, FORDHAM UNIVERSITY, DEPT OF CHEMISTRY, BRONX, N Y. Denaturation of the hemoglobins by the ureas (helminths, human).
P01HL-14388-03 0026 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Peripheral circulation in thyrotoxic state (animals, human).	R01HL-14434-03 (CVB) GRAHAM, THOMAS P, JR, VANDEBILT UNIVERSITY, DEPARTMENT OF PEDIATRICS, NASHVILLE, TENN. Quantitative analysis of right heart function (children, rabbits, cats).
P01HL-14388-03 0027 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Action of intra-arterial reserpine in Raynauds phenomenon (animals, human).	R01HL-14455-03 (SGYA) KAHN, DONALD R, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Cardiac allotransplantation (dogs).
P01HL-14388-03 0028 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Vasoconstrictor responses of collateral vessels in man.	R01HL-14456-02 (CVA) FANBURG, BARRY L, NEW ENGLAND MED CTR HOSPITALS, 171 HARRISON AVENUE, BOSTON, MASS. Lung metabolism—Enzymes in the pulmonary circulation (rats, dogs).
P01HL-14388-03 0029 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Orthostatic hypotension (human).	R01HL-14460-03 (CVB) PICK, RUTH, MICHAEL REESE HOSP & MED CTR, 29TH STREET & ELLIS AVENUE, CHICAGO, ILL. Atherosclerosis studies in vivo and in cell culture (monkeys).
P01HL-14388-03 0030 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Autonomic innervation and reactivity of coronary vessels (dogs).	R01HL-14461-03 (CVB) WILLIAMSON, JOHN R, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Cardiac metabolism in heart failure (rats, guinea pigs).
P01HL-14388-03 0031 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Vasomotor stimuli on isolated vessels from different beds (dogs).	R01HL-14467-03 (PTHA) PINCKARD, ROBERT N, UNIVERSITY OF ARIZONA MED CTR, 1501 N CAMPBELL AVENUE, TUCSON, ARIZ. Diagnosis and characterization of myocardial infarction (dog, rabbit, rat, human).
P01HL-14388-03 0032 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Oxygen consumption of vascular segments, response to adrenergic stimuli (animals).	R01HL-14474-03 (CVB) TREHNEY, DONALD F, UCLA - HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Mechanisms of oxygen toxicity of the lung (rats).
P01HL-14388-03 0033 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Reactivity of coronary vessels in chronic congestive failure (animals).	R01HL-14479-06 (PTMB) TALAMO, RICHARD C, MASSACHUSETTS GEN HOSP, CHILDRENS SERVICE, BOSTON, MASS. Immunochemical aspects of normal and diseased lung (human, dogs, swine).
P01HL-14388-03 0034 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Peripheral vascular response to circumflex flow in myocardial infarct (animal).	R01HL-14483-04 (BPO) HINKLE, PETER C, CORNELL UNIVERSITY, WING HALL, ITHACA, N Y. Ion transport and oxidative phosphorylation (cattle).
P01HL-14388-03 0035 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Heart response to stimuli in infarction and ventricular failure (animals).	R01HL-14487-01 (SRC) FINNERTY, FRANK A, JR, D C GENERAL HOSPITAL, 19TH AND MASS AVE S E, WASHINGTON, D C. Hypertension in the young inner city female.
P01HL-14388-03 0036 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Physical training and the coronary circulation (dogs).	R01HL-14492-03 (COM) RACUS, JAMES W, RUSH-PRESBY-ST. LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Pattern recognition peripheral blood cells.
P01HL-14388-03 0037 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Reactivity of saphenous vein coronary bypass in animal models (dogs).	R01HL-14493-02 (PTMB) HANSON, JOHN S, CARDIOPULMONARY LABORATORY, MARY FLETCHER UNIT—MED CENTER, BURLINGTON, VT. Modern diagnostic approach to chronic lung diseases (human).
P01HL-14388-03 0038 (HEP) ABOUD, F M. Regulation of the circulation in pathological states—Atrial pacing for evaluating angina patients and their response to drugs.	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RD1HL-14508-06 (BBCB) YONETANI, TAKASHI, UNIVERSITY OF PENNSYLVANIA, JOHNSON RESEARCH FOUNDATION, PHILADELPHIA, PA. Structure and function of respiratory hemoproteins.
- RD1HL-14509-03 (BBCB) MARSHALL, GARLAND R, WASHINGTON UNIV SCH OF MED, 660 S EUCLID, ST LOUIS, MO. Hypertension—Chemistry and physics of angiotensin.
- RD1HL-14511-03 (CVA) PROHLICH, EDWARD D, UNIV OF OKLAHOMA HLTH SCIS CTR, 800 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Pathophysiology of essential hypertension (rats, human).
- RD1HL-14516-03 (PHY) FAULKNER, JOHN A, UNIVERSITY OF MICHIGAN, 7793 MEDICAL SCIENCE BUILDING, ANN ARBOR, MICH. Dynamics of metabolic control of muscle blood flow (dogs).
- RD1HL-14520-08 (GMB) CONN, JEROME W, UNIVERSITY OF MICHIGAN MED CTR, C7129 UNIVERSITY HOSPITAL, ANN ARBOR, MICH. Normokalemic primary aldosteronism (human, rats, dogs).
- RD1HL-14521-04 (PC) HANAHAN, DONALD J, UNIVERSITY OF ARIZONA, DEPARTMENT OF BIOCHEMISTRY, TUCSON, ARIZ. Membrane structure and behavior in erythrocytes (human, cattle).
- RD1HL-14522-03 (SOYB) HAUSBERGER, FRANZ X, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Intravasation of fat from bone marrow cavity (rabbits, rats).
- RD1HL-14523-04 (PHY) FAY, FREDRIC S, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Generation and regulation of force in smooth muscle (animals).
- RD1HL-14524-04 (PTHA) EL-BERHANI, AL-WALID I, BOSTON UNIV SCH OF MED, 80 EAST CONCORD STREET, BOSTON, MASS. Innervation of the lung (rats, cats, dogs, monkeys, human).
- RD1HL-14526-02 (GMB) FREGLY, MELVIN J, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Oral contraceptives and hypertension (rats).
- RD1HL-14529-03 (CVA) SAGAWA, KIICHI, JOHNS HOPKINS MEDICAL SCHOOL, 720 RUTLAND AVENUE, BALTIMORE, MD. Systems analysis of baroreflex (dogs).
- RD1HL-14530-04 (SOYB) PADULA, RICHARD T, UNIVERSITY OF TEXAS, DEPARTMENT OF SURGERY, GALVESTON, TEX. Fluid dynamics of cardiac valvular action (dogs).
- RD1HL-14534-03 (CVA) BOUHUYS, AREND, JOHN B PIERCE FDN LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Air pollutants—Lung physiology and lung biochemistry (human, guinea pigs).
- RD1HL-14535-03 (GMB) NEWSOME, HEBBER M, BOX 865 MCY STATION, 1101 E MARSHALL ST, RICHMOND, VA. Intrarenal aspects of the renin-angiotensin system (sheep, rats, rabbits).
- RD1HL-14538-04 (PHY) BRIGGS, F NORMAN, MEDICAL COLLEGE OF VIRGINIA, 1200 E BROAD STREET, RICHMOND, VA. Subcellular mechanisms in cardiac contractility (dogs, rabbits).
- RD1HL-14539-04 (PHRA) LIJKAS, DANIEL S, MEM HOSP CANCER & ALLIED DIS, 1275 YORK AVENUE, NEW YORK, N Y. Metabolism of digitalis steroids in man.
- RD1HL-14540-03 (PTHA) PILKINS, JAMES P, LOYOLA UNIVERSITY, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL. Macrophage lysosomes and host defense in endotoxemia (rats).
- RD1HL-14541-03 (CVA) BAKER, CARLETON H, UNIVERSITY OF SOUTH FLORIDA, 4202 EAST FOWLER AVENUE, TAMPA, FLA. Significance of peripheral vascular volume change (dogs).
- RD1HL-14545-03 (CVA) NIEMMAN, WALTER H, MEDICAL UNIVERSITY OF S C, 80 BARRE STREET, CHARLESTON, S C. Mechanics of compensatory ventricular hypertrophy (dogs).
- RD1HL-14547-06 (PHY) MURPHY, RICHARD A, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, BOX 230, CHARLOTTESVILLE, VA. Contractile proteins of muscle (cats, swine).
- RD1HL-14548-16 (PHY) BOZLER, EMIL, DEPARTMENT OF PHYSIOLOGY, 1645 NEILL AVENUE, COLUMBUS, OHIO. Control of activity in cardiac and smooth muscle (frogs).
- RD1HL-14549-03 (MAB) RICHMONSON, HAL B, UNIVERSITY HOSPITALS, IOWA CITY, IOWA. Lung as an immunologic target organ (rabbits, guinea pigs).
- RD1HL-14553-02 (EDC) BRUCE, ROBERT A, UNIVERSITY OF WASHINGTON, AA510 HEALTH SCI BLDG, RG-20, SEATTLE, WASH. Cardiovascular disease in Taiwan.
- RD1HL-14557-02 (CVB) LEVIN, AARON R, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Ventricular and pulmonary response to volume overload (dogs).
- RD1HL-14560-03 (CVB) BUNAG, RUBEN D, UNIVERSITY OF KANSAS MED CTR, 39TH & RAINBOW BLVD, KANSAS CITY, KANS. Hypertension produced by sympathetic dysfunction (human, rats).
- RD1HL-14563-03 (CVA) OPDYKE, DAVID F, COLL OF MED & DENTISTRY OF N J, 100 BERGEN STREET, NEWARK, N J. Efferent nerve impulse traffic in hemorrhagic shock (dogs).
- RD1HL-14564-02 (EDC) TARANTA, ANGELO, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Rheumatic fever—Prevention, sequelae and pathogenesis (children).
- RD1HL-14566-03 (HEM) MARTINEZ, JOSE, CARDEZA FOUNDATION, 1015 SANSOM STREET, PHILADELPHIA, PA. Prothrombin and fibrinogen in hypercoagulable states (human).
- RD1HL-14580-03 (HEP) MEAD, JERE, HARVARD UNIVERSITY, 665 HUNTINGTON AVENUE, BOSTON, MASS. Program project in respiratory mechanics.
- RD1HL-14580-03 0001 (HEP) HOPPIN, FREDERIC G JR. Program project in respiratory mechanics—Structural mechanics of the lung (dogs).
- RD1HL-14580-03 0002 (HEP) DAWSON, STANLEY V. Program project in respiratory mechanics—Airway aerodynamics (human).
- RD1HL-14580-03 0003 (HEP) MEAD, JERE. Program project in respiratory mechanics—Chest wall mechanics and mechanical factors in the control of breathing (human).
- RD1HL-14580-03 0004 (HEP) LEITH, DAVID E. Program project in respiratory mechanics—Comparative mammalian respiratory mechanics.
- RD1HL-14580-03 0005 (HEP) MEAD, JERE. Program project in respiratory mechanics—Development and evaluation of tests of pulmonary function (human).
- RD1HL-14588-03 (GMB) ONESTI, GADDO, HAHNEMANN MEDICAL COLLEGE & HO, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Sympathetic nervous system in renal hypertension (rats).
- RD1HL-14590-03 (MCHB) HOLT, SMITH L, UNIVERSITY OF WYOMING, BOX 3838 UNIVERSITY STATION, LARAMIE, WYO. Biologically important transition metal complexes.
- RD1HL-14593-03 (CVA) HYATT, ROBERT E, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Pulmonary mechanics (dogs, baboons, cats).
- RD1HL-14595-03 (HEM) WEISS, HARVEY J, ROOSEVELT HOSPITAL, 428 WEST 59TH STREET, NEW YORK, N Y. Primary disorders of platelet function (human, rats).
- RD1HL-14602-03 (CVA) LOWN, BERNARD, HARVARD SCHOOL OF PUB HEALTH, 665 HUNTINGTON AVE, BOSTON, MASS. Ventricular arrhythmias in coronary heart disease (human).
- RD1HL-14614-03 (CVA) GIBBONS, WALTER R, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Voltage control of contraction in heart (sheep).
- RD1HL-14622-02 (SOYA) KERTH, WILLIAM J, INSTITUTE OF MEDICAL SCIENCES, P O BOX 7999, SAN FRANCISCO, CALIF. Late patency and flow studies for aortocoronary grafts (human).
- RD1HL-14623-02 (SOYA) BITTAB, NEVILLE, CARDIOVASCULAR RES LAB, 420 N CHARTER ST, RM 523, MADISON, WIS. Multiphase chemistry of human heart muscle (and dogs).
- RD1HL-14637-01 (HEM) MC DONALD, TED P, UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Thrombopoietin—Immunoassay and characterization (mice, guinea pigs).
- RD1HL-14640-03 (PHY) MURRISH, DAVID E, CASE WESTERN RESERVE UNIV, 2080 ADELBERT ROAD, CLEVELAND, OHIO. Fluid exchange through capillary walls (birds).
- RD1HL-14641-09 (PHY) OMACHI, AKIRA, UNIVERSITY OF ILLINOIS, 901 S WOLCOTT ST, CHICAGO, ILL. Phosphate metabolism in transport (human).
- RD1HL-14644-03 (SOYB) CORDAY, ELOY, CEDARS-SINAI MEDICAL CENTER, 4751 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Optimization diastolic augmentation and systolic sink (dogs).
- RD1HL-14645-03 (CVA) POLLACK, GERALD H, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ANESTHESIOLOGY, SEATTLE, WASH. Blood flow measurement by ultrasonic catheter (dogs).
- RD1HL-14646-03 (CVB) HOOD, WILLIAM B, JR, BOSTON UNIVERSITY, 818 HARRISON AVE, BOSTON, MASS. Pathophysiology of myocardial ischemia (dogs, rats).
- RD1HL-14649-03 (CVB) JACOBSON, EUGENE D, UNIVERSITY OF TEXAS MED SCHOOL, 6400 W CULLEN STREET, HOUSTON, TEXAS. Metabolic aspects of endotoxin shock (guinea pigs, dogs, rats).
- RD1HL-14651-03 (COM) JANZ, RONALD F, THE AEROSPACE CORPORATION, POST OFFICE BOX 92957, LOS ANGELES, CALIF. Mechanical behavior of left ventricle (dogs, rats).
- RD1HL-14653-02 (CVB) ANGELAKOS, EYANGELOS T, HAHNEMANN MEDICAL COLL, 235 NORTH FIFTEENTH STREET, PHILADELPHIA, PA. Stress hypertension (monkeys).
- RD1HL-14657-03 (HEM) GREENBERG, JACOB, NEW YORK MEDICAL COLLEGE, FIFTH AVE AT 106TH ST, NEW YORK, N Y. Chemical events occurring in prothrombin activation (human).
- RD1HL-14661-03 (CVA) BISHOP, SANFORD P, DEPT OF PATHOLOGY, 333 W TENTH AVENUE, COLUMBUS, OHIO. Biochemical mechanisms in cardiac hypertrophy (rats, dogs, rabbits).
- RD1HL-14663-03 (CVB) NORTHWAY, WILLIAM H, JR, STANFORD UNIVERSITY SCHOOL OF MED, DEPT OF RADIOLOGY, STAMFORD, CALIF. Pulmonary oxygen toxicity in newborn mice.
- RD1HL-14667-02 (PTHB) DRESSLER, DONALD P, YOUVILLE HOSPITAL, 1575 CAMBRIDGE STREET, CAMBRIDGE, MASS. Smoke inhalation injury—Etiology and protection (rats).
- RD1HL-14669-03 (PHY) WAUGH, WILLIAM H, EAST CAROLINA UNIV SCH OF MED, P O BOX 2701, GREENVILLE, N C. Local control of peripheral vascular tone (dogs).
- RD1HL-14673-03 (CVB) GLAVIANO, VINCENT V, CHICAGO MED SCH/UNIV OF HLTH SCIS, 2020 WEST OGDEN AVENUE, CHICAGO, ILL. Parasympathetic control of cardiac lipid metabolism (dogs).
- RD1HL-14677-03 (NTN) LEVENLLE, GILBERT A, MICHIGAN STATE UNIVERSITY, DEPT OF FOOD SCI & HUMAN NUTR, EAST LANSING, MICH. Nutrition and lipid metabolism—Comparative aspects (swine, chicken, rodents).
- RD1HL-14678-03 (BBCB) LAPIDOT, AVIVA, WEIZMANN INSTITUTE OF SCIENCE, P O BOX 26, REHOVOT, ISRAEL. C13 and N15 labeled enzymes—Synthesis and NMR study (cattle, bacteria).
- RD1HL-14679-03 (BBCB) ASAKURA, TOSHIO, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Mechanism of oxygen supply to tissue (human, animals).
- RD1HL-14680-03 (BBCB) GURD, FRANK R, INDIANA UNIVERSITY, DEPT OF CHEMISTRY, BLOOMINGTON, IND. Specific enrichment of myoglobins for carbon 13 NMR.
- RD1HL-14681-01 (CVB) LONDON, ERWIN J, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Responsiveness of vascular smooth muscle (rats, rabbits).
- RD1HL-14682-02 (PHRA) MANDEL, WILLIAM J, CEDARS-SINAI MEDICAL CTR, 4833 FOUNTAIN AVENUE, LOS ANGELES, CALIF. PH and properties of antiarrhythmic drugs (cats, human).
- RD1HL-14688-03 (CVB) SELVESTER, RONALD H, RANCHO LOS AMIGOS HOSPITAL, 7601 EAST IMPERIAL HIGHWAY, DOWNEY, CALIF. Myocardial assessment by inverse electrocardiography (monkey).
- RD1HL-14689-03 (CVA) KUM, KWAN E, HAHNEMANN MED COLL & HOSP, 230 N BROAD STREET, PHILADELPHIA, PA. Blood pressure regulation in uremic and anephric man.
- RD1HL-14692-03 (CVB) FALLAT, ROBERT J, PACIFIC MEDICAL CENTER, P O BOX 7999 P0124A, SAN FRANCISCO, CALIF. Alpha 1 antitrypsin deficiency and pulmonary disease (human).
- RD1HL-14693-03 (CVB) CAIN, STEPHEN M, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA. Survival value of physiological responses to hypoxia (dogs).
- RD1HL-14695-02 (RAD) HERMAN, PETER G, 50 BINNEY STREET, BOSTON, MASS. Blood microcirculation in the lymph node (rabbits).
- RD1HL-14697-03 (HEM) JAMIESON, GRAHAM A, AMERICAN NATIONAL RED CROSS, 9312 OLD GEORGETOWN ROAD, BETHESDA, MD. Role of platelet membranes in hemostasis (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RD1HL-14698-02 (MBY) EISENSTEIN, REUBEN, PRESBYTERIAN-ST LUKE'S HOSP, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Organization of arterial ground substance (cattle).	PO1HL-14780-02 0002 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Peripheral circulation in health and disease-Regional blood flow (human).
RD1HL-14703-08 (EDC) RENZETTI, ATTILIO D, JR, UNIVERSITY OF UTAH, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. The role of infection in emphysema (human).	PO1HL-14780-02 0003 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Control of peripheral circulation-Function of venous systems (human).
RD1HL-14706-03 (CVA) WILDENTHAL, C KERN, UNIVERSITY OF TEXAS S W, 5313 HARRY HINES BLVD, DALLAS, TEX. Fetal hearts in organ culture (mice).	PO1HL-14780-02 0004 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Function of postcapillary resistance vessels of the human forearm.
RD1HL-14713-03 (CVA) MAGOPAN, MARTIN, NEW YORK MEDICAL COLLEGE, FIFTH AVE AT 106TH STREET, NEW YORK, N Y. Hypothermia and the heart (bats).	PO1HL-14780-02 0005 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Functional and metabolic studies of vascular stiffness (human, dogs).
RD1HL-14717-02 (CVB) LAKE, MICHAEL M, HARBOR GENERAL HOSPITAL, 1000 W CARSON ST, TORRANCE, CALIF. Hemodynamics and heart structure-Ventricular overload (human, dogs).	PO1HL-14780-02 0006 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Peripheral circulation in heart failure-Determinants of venous tone (human).
RD1HL-14719-12 (NTN) HALL, CHARLES M, NORTH CAROLINA STATE UNIVERSITY, BOX 5307, RALEIGH, N C. Role of copper in metabolism (chickens).	PO1HL-14780-02 0007 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Low pressure receptors and arterial baroreceptors (human).
RD1HL-14720-03 (GMB) BANK, NORMAN, MONTEFIORE HOSP & MED CTR, 111 EAST 210 STREET, BRONX, N Y. Factors governing the renal excretion of acid (humans, rats).	PO1HL-14780-02 0008 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Mechanism of temperature regulation (human).
RD1HL-14721-02 (CVB) ASOKAN, SANKARAN K, EUGENE TALMADGE MEMORIAL HOSP, CARDIOVASCULAR DIVISION, AUGUSTA, GA. Role of trace metals in cardiomyopathies (human, rats).	PO1HL-14780-02 0009 (HEP) MASON, DEAN T. Mechanisms and treatment of cardiovascular diseases-Peripheral circulation and reflex integrity in myocardial infarction (human).
RD1HL-14729-02 (MCHB) KALMAN, SUMNER M, STANFORD UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, STANFORD, CALIF. Automated analysis of digoxin and related drugs (human).	PO1HL-14780-02 0010 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Cardiac rhythm-Intraatrial and interatrial conduction (human, dogs).
RD1HL-14730-03 (MET) HULL, FRANKLIN E, WAYNE STATE UNIVERSITY, 1400 RIVARD AVENUE, DETROIT, MICH. Fatty acid synthesis by the normal and hypoxic heart (rabbits).	PO1HL-14780-02 0011 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Cardiac rhythm and its disorders-Mechanisms of AV and IV conduction (human).
RD1HL-14733-02 (SOYB) AKUTSU, TETSUZO, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Artificial heart and related problems (cattle).	PO1HL-14780-02 0012 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Cardiac rhythm and its disorders-Block of various levels (human).
PO1HL-14734-03 (HEP) ROSENFELD, ROBERT S, MONTEFIORE HOSP & MED CTR, 111 E 210TH ST, BRONX, N Y. Hormonal factors in atherosclerosis and hyperlipemia.	PO1HL-14780-02 0013 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Cardiac rhythm and its disorders-Bundle branches block (human, dogs).
PO1HL-14734-03 0001 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Sterol metabolism-Intestinal absorption and excretion of cholesterol.	PO1HL-14780-02 0014 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Cardiac rhythm and disorders-Localization of escape pacemaker foci (human).
PO1HL-14734-03 0002 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Sterol metabolism-Cholesterol esterification and newly absorbed esters.	PO1HL-14780-02 0015 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Mechanisms of tachycardias-Ronny versus repetitive discharge (human, dogs).
PO1HL-14734-03 0003 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Sterol metabolism-Control of plasma-tissue partition of cholesterol.	PO1HL-14780-02 0016 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Mechanisms of tachycardias-Hemodynamic consequences of tachycardias (animals).
PO1HL-14734-03 0004 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Assay of estradiol metabolites in plasma of normal and atherosclerotic patients.	PO1HL-14780-02 0017 (HEP) MASSUMI, RASHID A. Mechanisms and treatment of cardiovascular diseases-Mechanisms of Wolff-Parkinson-White syndrome and related conditions (human).
PO1HL-14734-03 0005 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Kinetics and extent of differential metabolism of estradiol.	PO1HL-14780-02 0018 (HEP) WALSH, DONALD. Mechanisms and treatment of cardiovascular diseases-Mechanisms of action of positive inotropic drugs (human, cats).
PO1HL-14734-03 0006 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Estradiol biosynthesis (human).	PO1HL-14780-02 0019 (HEP) AMSTERDAM, EZRA A. Mechanisms and treatment of cardiovascular diseases-Effects of cardiac drugs on ventricular dyssynergy (human).
PO1HL-14734-03 0007 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Gonadotropins (human).	PO1HL-14780-02 0020 (HEP) AMSTERDAM, EZRA A. Mechanisms and treatment of cardiovascular diseases-Antiarrhythmic drugs on ventricular, peripheral circulatory dynamics (human, cat).
PO1HL-14734-03 0008 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Production rates of estradiol (human).	PO1HL-14780-02 0021 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Diuretics and related agents on cardiac contractility (human, cats).
PO1HL-14734-03 0009 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Androgenicity (human).	PO1HL-14780-02 0022 (HEP) ZELIS, ROBERT F. Mechanisms and treatment of cardiovascular diseases-Actions of digitalis on resistance and capacitance beds in heart failure (human).
PO1HL-14734-03 0010 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Estrogen and prevention and treatment of atherosclerosis.	PO1HL-14780-02 0023 (HEP) MASON, DEAN T. Mechanisms and treatment of cardiovascular diseases-Cardiovascular actions of the kinin and kinin generating system (human).
PO1HL-14734-03 0011 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Androsterone and related C19 steroids-Metabolism and antiatherogenic action.	PO1HL-14780-02 0024 (HEP) KREBS, EDWIN G. Mechanisms and treatment of cardiovascular diseases-C-AMP and protein kinase in cardiac contraction and heart failure (cats, rats).
PO1HL-14734-03 0012 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-C precursors of androsterone (human).	PO1HL-14780-02 0025 (HEP) MASON, DEAN T. Mechanisms and treatment of cardiovascular diseases-Left ventricular contractility (human, dogs).
PO1HL-14734-03 0013 (HEP) ROSENFELD, ROBERT S. Hormonal factors in atherosclerosis and hyperlipemia-Androsterone as cholesterol lowering agent (human).	PO1HL-14780-02 0026 (HEP) MASON, DEAN T. Mechanisms and treatment of cardiovascular diseases-Assessment of right ventricular contractility (human).
RD1HL-14735-02 (CVB) LOURENCO, RUY V, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. Electromyography in the study of ventilatory control (dogs, human).	PO1HL-14780-02 0027 (HEP) MASON, DEAN T. Mechanisms and treatment of cardiovascular diseases-Abnormalities, heart function and compensatory mechanisms in heart disease.
RD1HL-14737-03 (CVB) HISTAND, MICHAEL B, COLORADO STATE UNIVERSITY, DEPT OF MECHANICAL ENGINEERING, FORT COLLINS, COLO. Noninvasive detection of atherosclerosis (dog).	PO1HL-14780-02 0028 (HEP) AMSTERDAM, EZRA A. Mechanisms and treatment of cardiovascular diseases-Evaluation of surgical intervention in coronary artery disease (human).
RD1HL-14739-03 (HEM) LERNER, ROBERT G, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVE, NEW YORK, N Y. The role of leukocytes in thrombotic disease (human, rabbits).	PO1HL-14780-02 0029 (HEP) AMSTERDAM, EZRA A. Mechanisms and treatment of cardiovascular diseases-Coronary collateral circulation (human).
RD1HL-14740-03 (SSS) OSBORN, JOHN J, INSTITUTE OF MEDICAL SCI, CLAY AND WEBSTER STREETS, SAN FRANCISCO, CALIF. Computer based on-line measurement for intensive care (human, mammals, nonhuman).	RD1HL-14781-03 (MET) SPECTOR, ARTHUR A, UNIVERSITY OF IOWA, CLINICAL RES CENTER, IOWA CITY, IOWA. Lipid deposition in mammalian cells (human).
RD1HL-14739-03 (ALY) MICHAELI, DOV, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS, SAN FRANCISCO, CALIF. Immunochimistry of lung collagen (human, guinea pigs).	RD1HL-14784-03 (PHY) JAMISON, REX L, STANFORD UNIV SCHOOL OF MED, 300 PASTEUR DRIVE, STANFORD, CALIF. Micropuncture studies on the mammalian renal medulla (rats).
RD1HL-14774-03 (NEUA) EMERSON, THOMAS E, JR, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, EAST LANSING, MICH. Role of cerebral circulation and CNS in shock (dogs).	RD1HL-14785-03 (RAD) REID, JOHN M, PROVIDENCE HOSPITAL, 500 17TH AVENUE, SEATTLE, WASH. Scattering of ultrasound by cardiac tissue (dogs).
RD1HL-14775-03 (PHRA) WEISS, GEORGE B, UNIV OF TEXAS S W MEDICAL SCH, 5323 HARRY HINES BOULEVARD, DALLAS, TEXAS. Mechanisms of drug action in vascular smooth muscle (dog, rabbits).	RD1HL-14784-03 (SGYA) COOPER, STUART L, UNIVERSITY OF WISCONSIN, DEPT OF CHEMICAL ENGINEERING, MADISON, WIS. Polyurethane ionomers for biomedical applications (dogs).
RD1HL-14778-06 (PC) TEAVIS, JAMES, UNIVERSITY OF GEORGIA, DEPT OF BIOCHEMISTRY, ATHENS, GA. Protoolytic enzymes of the blood and pancreas (human, cattle).	RD1HL-14796-02 (PHRA) THOMPSON, EMANUEL B, UNIVERSITY OF ILLINOIS MED CTR, P O BOX 6998, CHICAGO, ILL. New antibrillatory drug (rabbits, cats, dogs).
PO1HL-14780-02 (HEP) MASON, DEAN T, UNIVERSITY OF CALIFORNIA, DEPT OF INTERNAL MED, DAVIS, CALIF. Mechanisms and treatment of cardiovascular diseases.	RD1HL-14799-03 (SGYB) REEMTSMA, KEITH, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N Y. Heart transplantation-Immunologic and physiologic studies (rats, dogs, mice).
PO1HL-14780-02 0001 (HEP) CARLSON, LOREN D. Mechanisms and treatment of cardiovascular diseases-Mechanism in control of cardiovascular system-Energy exchange (human, rabbits).	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1HL-14801-02 (AFY) D'AGOST, BRIAN G, VIRGINIA MASON RESEARCH CENTER, 1000 SENECA STREET, SEATTLE, WASH. Synergistic effects of oxygen and hydrostatic pressure (rats).
- RO1HL-14803-02 (HEM) REIBER, EGMOND E, ALBERT EINSTEIN COLLEGE MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Sickle cell crisis-occurrence and resolution.
- RO1HL-14806-15 (PHY) STAINSBY, WENDELL N, UNIVERSITY OF FLORIDA, DEPARTMENT OF PHYSIOLOGY, GAINESVILLE, FLA. Regulation of oxygen use by mammalian skeletal muscle (dogs).
- RO1HL-14807-02 (CVB) KASTOR, JOHN A, UNIVERSITY OF PENNSYLVANIA, 944 GATES BUILDING, PHILADELPHIA, PA. Mechanisms of sino-atrial and atrial arrhythmias (human).
- RO1HL-14808-02 (CVB) BAEZ, SILVIO, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Microcirculation in sickle cell anemia (rats).
- PO1HL-14810-03 (HEP) NACHMAN, RALPH L, CORNELL UNIVERSITY MED COLL, 1300 YORK AVENUE, NEW YORK, N.Y. Cornell thrombosis research center.
- PO1HL-14810-03 0001 (HEP) NACHMAN, RALPH L. Cornell thrombosis research center-Biochemical characterization of the human platelet membrane.
- PO1HL-14810-03 0002 (HEP) NACHMAN, RALPH L. Cornell thrombosis research center-Endothelial cell culture (human, rabbits).
- PO1HL-14810-03 0007 (HEP) POLLEY, MARGARET J. Cornell thrombosis research center-Ultrastructural analysis of complement platelet membrane interactions (rabbits).
- PO1HL-14810-03 0008 (HEP) HARPEL, PETER. Cornell thrombosis research center-Surface activation of coagulation factors and plasma enzymes (human).
- PO1HL-14810-03 0009 (HEP) BECKER, CARL. Cornell thrombosis research center-Contractile proteins of cardiovascular smooth muscle and platelets (human).
- PO1HL-14810-03 0010 (HEP) MARCUS, AARON. Cornell thrombosis research center-Nuclear magnetic resonance studies involving human platelets.
- PO1HL-14810-03 0011 (HEP) WEKSLER, BABETTE. Cornell thrombosis research center-Plate physiology, thrombosis and coronary artery disease (human).
- RO1HL-14811-03 (COM) STARMER, C FRANK, DUKE UNIVERSITY, BOX 3181 DUKE HOSPITAL, DURHAM, N.C. Computer retrieval and analysis of cardiovascular data.
- RO1HL-14820-02 (PHY) SOLOMON, ARTHUR K, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Factors affecting physiology of biological membranes (human).
- RO1HL-14822-03 (PHY) CAMERON, JAMES N, UNIVERSITY OF ALASKA, INSTITUTE OF ARCTIC BIOLOGY, FAIRBANKS, ALASKA. Regulation of blood flow (fish).
- RO1HL-14823-03 (PTHA) ROSS, RUSSELL, UNIVERSITY OF WASHINGTON, DEPT OF PATHOLOGY SK-20, SEATTLE, WASH. Arterial smooth muscle cell in atherosclerosis (pigtail monkeys).
- RO1HL-14826-02 (RAD) WATTS, RICHARD S, VA HOSPITAL, 2100 RIDGECREST DRIVE SE, ALBUQUERQUE, N.MEX. External isotope assay of atherosclerosis (rats, rabbits).
- RO1HL-14827-03 (MCHB) GOEDKEN, VIRGIL L, UNIVERSITY OF CHICAGO, DEPT OF CHEMISTRY, CHICAGO, ILL. Reactivity of iron in strong ligand field environments.
- RO1HL-14828-03 (AFY) STONE, HUBERT L, UNIV OF TEXAS MEDICAL BRANCH, MARINE BIOMEDICAL INSTITUTE, GALVESTON, TEX. Cardiac adaptation to physical training (dogs).
- RO1HL-14829-02 (CVA) EITZMAN, DONALD V, UNIVERSITY OF FLORIDA SCH OF M, DEPT OF PEDIATRICS, GAINESVILLE, FLA. Perinatal cardiovascular response to acid and alkali (dogs, goats, lamb).
- RO1HL-14832-02 (CVA) ERTEL, ROBERT, UNIVERSITY OF PITTSBURGH, FIFTH AVENUE, PITTSBURGH, PA. Myocardial cells-Autonomic and rhythmic mechanisms (human, chick embryo).
- RO1HL-14835-02 (PHY) JOHNSON, JOHN A, UNIVERSITY OF MINNESOTA, 424 MILLARD HALL, MINNEAPOLIS, MINN. Capillary, permeability and morphology (rabbits).
- RO1HL-14839-12 (BBCB) BERTLESTONE, JOHN G, UNIVERSITY OF IBADAN, DEPARTMENT OF CHEMISTRY, IBADAN, NIGERIA. Structure reactivity relations in hemoglobins (human, guinea pigs, pigeons).
- RO1HL-14843-01 (PHY) SHANNON, ROGER, UNIVERSITY OF NEW MEXICO, 915 STANFORD DR N E, ALBUQUERQUE, N.M. Respiratory muscle afferents in respiratory control (cats).
- RO1HL-14844-02 (PTMB) BOAT, THOMAS F, RAINBOW BABIES & CHILDREN'S HO, 2103 ADELBERT ROAD, CLEVELAND, OHIO. Mucin secretion by respiratory epithelial explants (human).
- RO1HL-14845-02 (SOYA) ANGELL, WILLIAM W, VETERANS ADMINISTRATION HOSP, 3801 MIRANDA AVENUE, PALO ALTO, CALIF. Aortic valve grafts for cardiac valve replacement (dogs, swine, human).
- RO1HL-14847-03 (HEM) BELL, ROBERT G, UNIVERSITY OF RHODE ISLAND, BIOCHEMISTRY DEPT, KINGSTON, R.I. Anticoagulants and metabolism of vitamin K.
- RO1HL-14854-02 (CVA) HILDEBRANDT, JACOB, VIRGINIA MASON RESEARCH CENTER, 1000 SENECA ST, SEATTLE, WASH. Lung and tissue mechanics (mice, guinea pigs).
- RO1HL-14863-02 (GMB) KAPLAN, NORMAN M, UNIV OF TEXAS SW MEDICAL SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Hypertension in man-Role of renin-aldosterone.
- RO1HL-14865-02 (PC) LIENER, IRVIN E, UNIVERSITY OF MINNESOTA, COLL OF BIOLOGICAL SCI, ST PAUL, MINN. Biochemical studies on the pathogenesis of emphysema.
- RO1HL-14870-03 (CVA) KUNZ, ALBERT L, OHIO STATE UNIV COLL OF MED, 333 WEST TENTH AVENUE, COLUMBUS, OHIO. Dynamics of oxygen and carbon dioxide regulation (chickens).
- RO1HL-14873-02 (PHBA) CERAMI, ANTHONY, ROCKEFELLER UNIVERSITY, 66TH ST AND YORK AVENUE, NEW YORK, N.Y. Sickle cell disease-Biological effects of cyanate (human, mammals).
- RO1HL-14874-02 (CVA) BANDICK, NEAL R, OREGON COLLEGE OF EDUCATION, 345 NORTH MONMOUTH AVE, MONMOUTH, OREG. Spontaneous vascular tone during renal hypertension (rats).
- RO1HL-14880-02 (HEM) BROMBERG, PHILIP A, OHIO STATE UNIVERSITY HOSP, 466 W 10TH AVENUE, COLUMBUS, OHIO. New chemotherapy of sickle cell disease (human).
- RO1HL-14882-02 (BBCB) REYNOLDS, JACQUELINE A, DUKE UNIV MEDICAL CENTER, DEPARTMENT OF BIOCHEMISTRY, DURHAM, N.C. Interactions of sterols in biological systems (human).
- RO1HL-14883-03 (CVA) GROSSMAN, WILLIAM, UNIVERSITY OF NORTH CAROLINA, CARDIOLOGY DIVISION, CHAPEL HILL, N.C. Myocardial performance in patients with heart disease (human, dogs).
- RO1HL-14885-02 (HEM) MAZUR, ABRAHAM, CITY COLL OF CITY UNIV OF N.Y., CONVENT AVE AT 138TH ST, NEW YORK, N.Y. Biochemical properties of cross-linked hemoglobins (human, dogs, rabbits).
- RO1HL-14880-02 (EXP) MOHR, JAY P, MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS. Behavioral deficits in post-cardiac surgery patients.
- RO1HL-14890-03 (HEM) SILVER, MELVIN J, CARDEZA FOUNDATION, 1015 SANSON STREET, PHILADELPHIA, PA. Platelet prostaglandins (human).
- RO1HL-14899-02 (CVA) CKANFIELD, PAUL F, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N.Y. Mechanisms and prevention of cardiac arrhythmias (dogs).
- RO1HL-14901-02 (SGYB) BARNES, BENJAMIN A, MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS. Experimental pulmonary transplantation (baboons).
- RO1HL-14902-03 (SGYB) SOROFF, HARRY S, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Evaluation of synchronous assistance (dogs, human).
- RO1HL-14903-03 (CVA) SAGAWA, KICHI, DEPARTMENT OF BIOMEDICAL ENGIN, JOHN HOPKINS MED SCH, BALTIMORE, MD. A new index of cardiac contractility (human, dogs).
- RO1HL-14904-01 (CVB) NUTTER, DONALD O, 69 BUTLER STREET, S E, ATLANTA, GA. Circulatory regulation during static muscular exercise (dogs).
- RO1HL-14905-03 (TEC) TAYLOR, HENRY L, UNIVERSITY OF MINNESOTA, STADIUM GATE 27, MINNEAPOLIS, MINN. Cardiac function and prognosis of coronary disease (human).
- RO1HL-14906-02 (EXP) SCOTT, ROBERT W, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Behavioral tactics for clinical cardiac control.
- RO1HL-14913-02 (GMB) DAHL, LEWIS K, BROOKHAVEN NATIONAL LAB, MEDICAL RESEARCH CTR, UPTON, N.Y. Hypertension-Genetic influence of kidney (human, rats).
- RO1HL-14914-02 (GMB) BLANTZ, ROLAND C, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Autoregulation of glomerular filtration rate (rats).
- RO1HL-14924-01 (PC) LACKO, ANDRAS G, TEMPLE UNIV HEALTH SCI CENTER, 3401 NORTH BROAD STREET, PHILADELPHIA, PA. Purification and characterization of human plasma Lect.
- RO1HL-14927-03 (TEC) BERKSON, DAVID M, CHICAGO HEALTH RESEARCH FDN, CHICAGO CIVIC CENTER, RM LL-13, CHICAGO, ILL. Cardiac function and prognosis of coronary disease (human).
- RO1HL-14928-03 (SRC) HARRISON, WALTER K, JOHN HOPKINS UNIV SCH OF MED, 720 RUTLAND AVENUE, BALTIMORE, MD. Cardiac function and prognosis of coronary disease (human).
- RO1HL-14933-02 (MET) GROSSBERG, SIDNEY E, MEDICAL COLL OF WISCONSIN, 561 NORTH FIFTEENTH STREET, MILWAUKEE, WIS. Metabolic studies of viral induced hyperlipemias (chick embryo, rats, children).
- RO1HL-14938-02 (BBCB) RICHARDS, E GLEN, VA HOSPITAL, S LANCASTER ROAD, DALLAS, TEX. Contractile proteins of heart muscle (dogs, rabbits, chickens).
- RO1HL-14944-02 (CVB) HOLLENBERG, NORMAN K, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVE, BOSTON, MASS. Renal vascular reactivity in hypertensive patient.
- RO1HL-14945-02 (GMB) ROBERTSON, CHANNING R, STANFORD UNIVERSITY, DEPT OF CHEMICAL ENGINEERING, STANFORD, CALIF. Modeling of renal sodium and water transport (rats).
- RO1HL-14950-02 (MCHA) STRATFORD, EUGENE S, UNIVERSITY OF CONNECTICUT, SCHOOL OF PHARMACY, STORRS, CONN. Hypocholesteremic derivatives of styrylacetic acid.
- RO1HL-14960-06 (MBY) KABAT, DAVID, UNIV OF OREGON MED SCHOOL, 3181 S W SAM JACKSON PARK ROAD, PORTLAND, OREGON. Control of gene expression in differentiating cells (human, sheep).
- RO1HL-14964-02 (PHRA) SANDS, HOWARD, NAT JEWISH HOSP & RESEARCH CTR, 3800 EAST COLFAX AVE, DENVER, COLO. Role of cyclic AMP in relaxation of bronchial muscle (cattle).
- RO1HL-14967-03 (CVB) WHIPP, BRIAN, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Chemoreceptor function in dynamic ventilatory control (dogs, rabbits).
- RO1HL-14969-01 (SGYB) SIMMONS, RICHARD L, UNIVERSITY OF MINNESOTA, MAYO MEMORIAL BLDG, BOX 148, MINNEAPOLIS, MINN. Post-traumatic pulmonary insufficiency (dogs).
- RO1HL-14972-20 (BBCA) FOSTER, JOSEPH F, PURDUE UNIVERSITY, DEPARTMENT OF CHEMISTRY, LAFAYETTE, IND. Configurational changes in protein molecules (cattle).
- RO1HL-14976-02 (PHRA) GEORGE, WILLIAM J, TULANE UNIV SCHOOL OF MEDICINE, 1430 TULANE AVENUE, NEW ORLEANS, LA. Cyclic nucleotides and erythropoiesis (mice, rats).
- RO1HL-14978-02 (PTHA) DAVIDSON, WABREN D, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Granulocyte function and metabolism in uremia (human, dogs).
- RO1HL-14979-02 (CVB) DHINDSA, DHAKAM S, OREGON ZOOLOGY RES CTR, 4055 S W CANYON ROAD, PORTLAND, OREG. Red cell sickling, hemodynamics and pathology (deer, human).
- RO1HL-14981-02 (TEC) HANNA, GEORGE R, UNIVERSITY OF VIRGINIA, DEPARTMENT OF NEUROLOGY, CHARLOTTESVILLE, VA. Aspirin in cerebral ischemia-Joint study (human).
- RO1HL-14982-02 (GMB) OPARIL, SUZANNE, UNIV OF CHICAGO HOSP & CLINICS, 950 E 59TH ST, BOX 423, CHICAGO, ILL. Mechanism of renin release and angiotensin metabolism (human, dogs).
- PO1HL-14985-03 (HEM) GROVER, ROBERT F, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Adaptation to hypoxia.
- PO1HL-14985-03 0001 (HEP) GROVER, ROBERT F. Adaptation to hypoxia-Hypoxic pulmonary hypertension mechanism (dogs).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- P01HL-14985-03 0002 (HEP) GROVER, ROBERT F. Adaptation to hypoxia-Pulmonary hypertension in man at high altitude.
- P01HL-14985-03 0003 (HEP) WEIL, JOHN V. Adaptation to hypoxia-Hypoxia and oxygen transport (human, dogs).
- P01HL-14985-03 0004 (HEP) WEIL, JOHN V. Adaptation to hypoxia-Control of breathing (human, dogs).
- P01HL-14985-03 0005 (HEP) WAGNER, WILTZ W. Adaptation to hypoxia-Pulmonary microcirculatory response to hypoxia and acidemia (dogs).
- P01HL-14985-03 0006 (HEP) TUCKER, CLYDE E. Adaptation to hypoxia-Cardiovascular performance in chronic hypoxia (dogs).
- P01HL-14985-03 0007 (HEP) REEVES, JOHN T. Adaptation to hypoxia-Control of pulmonary circulation (human, animals).
- R01HL-14990-02 (MET) BENSADOUN, ANDRE, CORNELL UNIVERSITY, 102 RICE HALL, ITHACA, N. Y. Lipid transport (chickens).
- R01HL-14992-03 (HEM) FEINMAN, RICHARD D, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Mechanism of thrombin action.
- R01HL-15002-03 (BIO) WHITE, ARNOLD A, UNIVERSITY OF MISSOURI, DALTON RESEARCH CENTER, COLUMBIA, MO. Biochemical pharmacology of guanyl cyclase in lung (cattle).
- R01HL-15004-02 (CVA) KEZDI, PAUL, COX HEART INSTITUTE, 3525 SOUTHERN BOULEVARD, DAYTON, OHIO. Baroreceptor regulation in cardiovascular disease (dogs).
- R01HL-15008-02 (MED) CANN, HOWARD M, STANFORD UNIVERSITY SCH OF MED, DEPARTMENT OF PEDIATRICS, STANFORD, CALIF. Prenatal detection of sickle cell anemia (human).
- R01HL-15011-02 (PHRA) ENGELMAN, KARL, HOSPITAL UNIV OF PENNSYLVANIA, 34TH & SPRUCE STREETS, PHILADELPHIA, PA. Altered adrenergic function in essential hypertension.
- R01HL-15012-02 (RAD) LEVY, RICHARD P, CASE WESTERN RESERVE UNIV, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Thrombosis detection for prevention of emboli (human).
- R01HL-15013-03 (BIO) FISHER, ABON B, UNIV OF PENNSYLVANIA SCH OF ME, 36TH AND HAMILTON WALK, PHILADELPHIA, PA. Calcium effects on oxidative metabolism of lung tissue (mammals sub-human, birds).
- R01HL-15016-02 (RAD) GRAMIAK, RAYMOND, UNIVERSITY OF ROCHESTER MED CT, 260 CRITTEMDEN BLVD, ROCHESTER, N. Y. New concepts in cardiac ultrasound technology.
- R01HL-15021-02 (MCHB) POTTS, KEVIN T, RENSSELAER POLYTECHNIC INST, DEPT OF CHEMISTRY, TROY, N. Y. Novel heterocycles as potential hypotensive agents.
- R01HL-15023-03 (HEM) INGRAM, VERNON M, MASSACHUSETTS INST OF TECH, 77 MASSAVE, RM 16-631, CAMBRIDGE, MASS. Prenatal diagnosis of sickle cell anemia homozygotes (human, chicken).
- R01HL-15024-03 (EM) COLLIER, ALBERT M, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PEDIATRICS, CHAPEL HILL, N. C. Microbial interaction in acute respiratory disease (human, hamster).
- R01HL-15026-08 (GEN) BOYER, SAMUEL H, JOHNS HOPKINS UNIV SCHOOL OF M, 720 RUTLAND AVENUE, BALTIMORE, MD. Quantitative genetic control of protein synthesis (human, primates, mammals).
- R01HL-15027-01 (CVA) ALEXANDER, NATALIE, U OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Hemodynamics of psychosocial-stress hypertension (rats).
- R01HL-15029-06 (MCHB) WHITESIDES, GEORGE M, MASS INST OF TECHNOLOGY, 77 MASSACHUSETTS AVE, CAMBRIDGE, MASS. Chemistry of monolayers surfaces and membranes.
- R01HL-15031-02 (GMB) MARSH, DONALD J, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Tubular-vascular interactions in the mammalian kidney (rats).
- R01HL-15036-01 (RAD) DABORA, ELI K, UNIVERSITY OF CONNECTICUT, BOX U-139, STORRS, CONN. In vitro cinephotography using a laser light source.
- P01HL-15037-03 (GMP) GREENFIELD, LAZAR J, VETERANS ADMINISTRATION HOSP, 921 N E 13TH STREET, OKLAHOMA CITY, OKLA. Mechanisms of cardiopulmonary dysfunction in shock.
- P01HL-15037-03 0001 (GMP) GREENFIELD, LAZAR J. Mechanisms of cardiopulmonary dysfunction in shock-Neural basis for myocardial dysfunction (mammals, nonhuman).
- P01HL-15037-03 0002 (GMP) GREENFIELD, LAZAR J. Mechanisms of cardiopulmonary dysfunction in shock-Peripheral vascular hypoperfusion in precipitating cardiac dysfunction.
- P01HL-15037-03 0003 (GMP) SPITZER, JOHN J. Mechanisms of cardiopulmonary dysfunction in shock-Substrate utilization of myocardium in various stages of endotoxic shock.
- P01HL-15037-03 0004 (GMP) GREENFIELD, LAZAR J. Mechanisms of cardiopulmonary dysfunction in shock-Pathophysiology and wet-lung syndrome (swine).
- P01HL-15037-03 0005 (GMP) GREENFIELD, LAZAR J. Mechanisms of cardiopulmonary dysfunction in shock-Therapy of wet-lung syndrome (dogs).
- P01HL-15037-03 0006 (GMP) HINSHAW, LERNER B. Mechanisms of cardiopulmonary dysfunction in shock-Mechanisms of cardiac failure in shock (dogs).
- P01HL-15037-03 0007 (GMP) COALSON, JACQUELINE J. Mechanisms of cardiopulmonary dysfunction in shock-Histology and ultrastructure of pig lungs.
- P01HL-15037-03 0008 (GMP) HARTSUCK, JAMES M. Mechanisms of cardiopulmonary dysfunction in shock-Peripheral venous thrombosis in patients in shock.
- R01HL-15038-03 (PHY) YAMAMOTO, WILLIAM S, GEORGE WASHINGTON UNIV MED CTR, 2300 K STREET, N. W. WASHINGTON, D. C. Computer assisted study of CO2 control of ventilation (rats).
- R01HL-15039-02 (GMB) SAMBHI, MOHINDER P, SEPULVEDA VETER ADMIN HOSP, 16111 PLUMMER STREET, SEPULVEDA, CALIF. Dynamic turnover of tissue angiotensin (humans, rats, dogs, rabbits, sheep).
- R01HL-15040-02 (CVA) GUNNAR, ROLF M, LOYOLA UNIVERSITY, 2160 S FIRST AVENUE, MAYWOOD, ILL. Shock in myocardial infarction (human).
- R01HL-15047-03 (COM) PIPBERGER, HUBERT V, VETERANS ADMINISTRATION HOSP, 50 IRVING STREET N. W. WASHINGTON, D. C. Digital computer analysis of the electrocardiogram.
- R01HL-15048-02 (HEM) COHEN, ISAAC, ROGOFF-WELLCOME MED RES INST, BEILSON HOSPITAL, PETAH-TIKVA, ISRAEL. Contractile system of human blood platelets (and rabbits).
- R01HL-15051-02 (SSS) LEVY, HARVEY M, STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF PHYSIOLOGY, STONY BROOK, N. Y. Contractile and control sites of actomyosin (rats).
- R01HL-15054-03 (CBY) JUSTUS, JERRY T, ARIZONA STATE UNIVERSITY, DEPARTMENT OF ZOOLOGY, TEMPE, ARIZ. Genetic control of heart differentiation (salamanders).
- P17HL-15061-03 (SRC) FISHMAN, ALFRED P, UNIV OF PENNSYLVANIA HOSPITAL, 3400 SPRUCE STREET, PHILADELPHIA, PA. Response of lung to injury.
- P17HL-15061-03 0001 (SRC) BRAUNSTIEN, MILTON. Response of lung to injury-Bronchopulmonary lavage (human, rabbits).
- P17HL-15061-03 0002 (SRC) FISHER, ABON B. Response of lung to injury-Oxidative metabolism, phospholipid synthesis, and response to toxins (animals).
- P17HL-15061-03 0003 (SRC) BBODY, JEROME S. Response of lung to injury-Postnatal growth and development of the mammalian lung (rats, dogs).
- P17HL-15061-03 0004 (SRC) KEFALIDES, NICHOLAS A. Response of lung to injury-Biochemical abnormalities in connective tissues (human, dogs, rats).
- P17HL-15061-03 0005 (SRC) COBURN, RONALD F. Response of lung to injury-Airway smooth muscle in health and disease (human, dogs, guinea pigs).
- P17HL-15061-03 0006 (SRC) ROWLANDS, DAVID T JR. Response of lung to injury-Site of production of eosinophilotoxic factors in lung (guinea pigs, human).
- P17HL-15061-03 0007 (SRC) ROWLANDS, DAVID T JR. Response of lung to injury-Complement synthesis by pulmonary macrophages (human, guinea pigs).
- P17HL-15061-03 0008 (SRC) NILSSON, U R. Response of lung to injury-Phagocytosis and macrophage migration humoral requirements (human, guinea pigs).
- P17HL-15061-03 0009 (SRC) ROOT, RICHARD K. Response of lung to injury-Alveolar macrophages (human, rabbits).
- P17HL-15061-03 0010 (SRC) REIF, JOHN S. Response of lung to injury-An animal model system for the study of bronchiolitis and its sequelae (dogs).
- P17HL-15061-03 0011 (SRC) PIETRA, G C. Response of lung to injury-Lung epithelium cell death, proliferation and differentiation after injury (mice).
- P17HL-15061-03 0012 (SRC) CHANCE, B. Response of lung to injury-Hyperbaric oxygen, carbon monoxide, and ozone or peroxide toxicity (rats).
- P17HL-15061-03 0013 (SRC) FORSTER, ROBERT E. Response of lung to injury-Exchange transfusion in infants with respiratory distress syndrome (human, sheep).
- P17HL-15061-03 0014 (SRC) POLGAR, GEORGE. Response of lung to injury-Safe limits for elevated inspired oxygen concentrations in infants and children.
- P17HL-15062-03 (SRC) WISSLER, ROBERT W, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Study of lipoproteins, artery wall, and atherosclerosis.
- P17HL-15062-03 0001 (SRC) SCANU, ANGELA M. Study of lipoproteins, artery wall, and atherosclerosis-Structure and molecular interactions of serum lipoproteins (human, monkeys).
- P17HL-15062-03 0002 (SRC) BARRATT, MARTIN D. Study of lipoproteins, artery wall, and atherosclerosis-Serum lipoproteins-Spin label methods (human, monkeys).
- P17HL-15062-03 0003 (SRC) POLLARD, HARVEY. Study of lipoproteins, artery wall, and atherosclerosis-Structure and molecular interactions of serum lipoproteins-EM and fluorescence.
- P17HL-15062-03 0004 (SRC) CHUNG, JIWHEY. Study of lipoproteins, artery wall, and atherosclerosis-Interactions of serum lipoproteins - lipoprotein lipase (human, animals).
- P17HL-15062-03 0005 (SRC) KRUSKI, ARTHUR W. Study of lipoproteins, artery wall, and atherosclerosis-Interactions of serum lipoproteins, lecithin-cholesterol acyl transferase.
- P17HL-15062-03 0006 (SRC) ROBBINS, KENNETH C. Study of lipoproteins, artery wall, and atherosclerosis-Lipoproteins and clotting and fibrinolytic systems (human, monkeys).
- P17HL-15062-03 0007 (SRC) KEDZY, FERENC J. Study of lipoproteins, artery wall, and atherosclerosis-Physical chemistry of lipid-protein interaction (human).
- P17HL-15062-03 0008 (SRC) LAW, JOHN. Study of lipoproteins, artery wall, and atherosclerosis-Lipid modifying enzymes (human).
- P17HL-15062-03 0009 (SRC) GETZ, GODFREY S. Study of lipoproteins, artery wall, and atherosclerosis-Lipoprotein metabolism and secretion in diabetic rats (also swine).
- P17HL-15062-03 0010 (SRC) GETZ, GODFREY S. Study of lipoproteins, artery wall, and atherosclerosis-Lipoprotein biosynthesis, secretion and degradation (human, monkeys).
- P17HL-15062-03 0011 (SRC) WISSLER, ROBERT W. Study of lipoproteins, artery wall, and atherosclerosis-Immunohistochemistry of components in atherosclerosis (human, monkeys, rabbits).
- P17HL-15062-03 0012 (SRC) WISSLER, ROBERT W. Study of lipoproteins, artery wall, and atherosclerosis-The pathology of atherosclerosis (monkeys, rabbits).
- P17HL-15062-03 0013 (SRC) RUBENSTEIN, ARTHUR H. Study of lipoproteins, artery wall, and atherosclerosis-Radioimmunoassay for lipoprotein polypeptides (human, monkeys).
- P17HL-15062-03 0014 (SRC) RESNCKOV, LEON. Study of lipoproteins, artery wall, and atherosclerosis-Clinical studies of dyslipoproteinemia and myocardial infarct (human).
- P17HL-15062-03 0015 (SRC) WISSLER, ROBERT W. Study of lipoproteins, artery wall, and atherosclerosis-Mycocardial infarcts in atherosclerosis (monkeys).
- P17HL-15062-03 0016 (SRC) BROOKS, HARDT L. Study of lipoproteins, artery wall, and atherosclerosis-Circulatory and contractile responses in atherosclerotic monkeys.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P17HL-15062-03 0017 (SRC) KRILL, ALEX E. Study of lipoproteins, artery wall, and atherosclerosis-Lipid profiles in patients with unexplained peripheral vascular retinopathy.
- P17HL-15062-03 0018 (SRC) WISSLER, ROBERT W. Study of lipoproteins, artery wall, and atherosclerosis-Reversal studies of atherosclerosis in the Rhesus monkey (also rabbits).
- P17HL-15063-03 (SRC) GAENSLER, EDWARD A. BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. SCOR diffuse infiltrati ve lung disease.
- P17HL-15063-03 0001 (SRC) CARRINGTON, CHARLES B. SCOR diffuse infiltrati ve lung disease-Chronic interstitial pneumonia (human, dogs).
- P17HL-15063-03 0002 (SRC) GAENSLER, EDWARD A. SCOR diffuse infiltrati ve lung disease-Asbestosis (human).
- P17HL-15063-03 0003 (SRC) GAENSLER, EDWARD A. SCOR diffuse infiltrati ve lung disease-Radiologic studies of obstructive and interstitial lung disease (human).
- P17HL-15063-03 0004 (SRC) SMITH A. A. SCOR diffuse infiltrati ve lung disease-Computers in respiratory disease (human).
- P17HL-15063-03 0005 (SRC) SNIDER, GORDON L. SCOR diffuse infiltrati ve lung disease-Experimental pulmonary emphysema (rats, human).
- P17HL-15063-03 0009 (SRC) VACHON, LOUIS. SCOR diffuse infiltrati ve lung disease-Pulmonary effects of marijuana (human).
- P17HL-15063-03 0010 (SRC) VACHON, LOUIS. SCOR diffuse infiltrati ve lung disease-Conditioning of respiratory resistance (human).
- P17HL-15063-03 0011 (SRC) ALEKSANDER, A. SCOR diffuse infiltrati ve lung disease-Non-respiratory functions of the lung in health and disease (human).
- P17HL-15063-03 0012 (SRC) ALEKSANDER, A. SCOR diffuse infiltrati ve lung disease-Autonomic regulation of the tracheobronchial tree (human).
- P17HL-15088-03 (SRC) HARVEY, REJANE M. COLL OF PHYSICIANS & SURGEONS, 630 W 168TH ST, NEW YORK, N. Y. Diffuse granulomatous and fibrotic pulmonary disease.
- P17HL-15088-03 0001 (SRC) FRITTS, HARRY W, JR. Diffuse granulomatous and fibrotic pulmonary disease-Effect on the alveolar-arterial oxygen difference (dogs).
- P17HL-15088-03 0002 (SRC) FRITTS, HARRY W, JR. Diffuse granulomatous and fibrotic pulmonary disease-Effect on regulation of the pulmonary circulation (dogs).
- P17HL-15088-03 0005 (SRC) FRITTS, HARRY W, JR. Diffuse granulomatous and fibrotic pulmonary disease-Blood supply of pulmonary granulomatous tissue (dogs).
- P17HL-15088-03 0004 (SRC) COTTRELL, T S. Diffuse granulomatous and fibrotic pulmonary disease-Type II alveolar cell in lipid exchange and in lung response to granulomas (dogs).
- P17HL-15088-03 0005 (SRC) HEINRMANN, H O. Diffuse granulomatous and fibrotic pulmonary disease-Effect of ouabain and ethacrynic acid on palmitate incorporation into lung.
- P17HL-15088-03 0006 (SRC) CALDWELL, P R B. Diffuse granulomatous and fibrotic pulmonary disease-Oxygen tension and oxygen utilization in tissues from diseased lungs (dogs).
- P17HL-15088-03 0007 (SRC) ROCHESTER, D F. Diffuse granulomatous and fibrotic pulmonary disease-Performance of the diaphragm in diffuse pulmonary granulomatous disease (dogs).
- P17HL-15088-03 0006 (SRC) HARVEY, R M. Diffuse granulomatous and fibrotic pulmonary disease-Pulmonary vascular disease in progressive systemic sclerosis (human).
- P17HL-15088-03 0009 (SRC) LEROY, E C. Diffuse granulomatous and fibrotic pulmonary disease-Biochemistry and immunochemistry of human lung basement membrane (also rabbits).
- P17HL-15088-03 0010 (SRC) SOPFER, R L. Diffuse granulomatous and fibrotic pulmonary disease-Regulation of pulmonary angiotensin-converting enzyme (human, rabbits).
- P17HL-15088-03 0011 (SRC) ROCHESTER, D F. Diffuse granulomatous and fibrotic pulmonary disease-Role of respiratory muscles in respiratory failure (human).
- R01HL-15090-03 (HEM) GANGULY, PANKAJ, ST JUDE CHILDREN'S RES HOSP, 332 NORTH LAUDERDALE, MEMPHIS, TENN. Platelet proteins (human).
- P17HL-15092-03 (SRC) WEILL, HANS, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Occupational environmental pulmonary disease center.
- P17HL-15092-03 0001 (SRC) WEILL, HANS. Occupational environmental pulmonary disease center-Dust exposure in manufacture of asbestos cement and construction product (human).
- P17HL-15092-03 0002 (SRC) ZISKIND, MORTON. Occupational environmental pulmonary disease center-Accelerated silicosis in sandblasters.
- P17HL-15092-03 0003 (SRC) WEILL, HANS. Occupational environmental pulmonary disease center-Respiratory reaction in workers exposed to detergent enzymes.
- P17HL-15092-03 0004 (SRC) WEILL, HANS. Occupational environmental pulmonary disease center-Pulmonary function industrial population unexposed to injurious inhalants.
- P17HL-15092-03 0005 (SRC) SALVAAGGIO, JOHN. Occupational environmental pulmonary disease center-Respiratory and immunologic evaluation of isocyanate exposure.
- P17HL-15090-03 (SRC) HACKNEY, JACK D, RANCHO LOS AMIGOS HOSPITAL, 7601 E IMPERIAL HIGHWAY, DOWNEY, CALIF. Special center of research-Environmental lung disease.
- P17HL-15098-03 0001 (SRC) BUCKLEY, RAMON D. Special center of research-Environmental lung disease-Sulfhydryl bond alteration (monkeys).
- P17HL-15098-03 0002 (SRC) BUCKLEY, RAMON D. Special center of research-Environmental lung disease-Enzyme activity alteration (monkeys).
- P17HL-15098-03 0003 (SRC) ROUNDS, DONALD E. Special center of research-Environmental lung disease-Cell division alterations (human, primates).
- P17HL-15098-03 0004 (SRC) HACKNEY, JACK D. Special center of research-Environmental lung disease-N0-2 and O-3 effects on cell division in bronchioles and alveoli (monkeys).
- P17HL-15098-03 0005 (SRC) BUCKLEY, RAMON D. Special center of research-Environmental lung disease-Blood chemistry and enzymes (human, monkeys).
- P17HL-15098-03 0006 (SRC) BILS, ROBERT F. Special center of research-Environmental lung disease-Histo- and cytopathology of lung tissue (monkeys).
- P17HL-15098-03 0007 (SRC) BILS, ROBERT F. Special center of research-Environmental lung disease-Ultrastructure studies (monkeys).
- P17HL-15098-03 0008 (SRC) HACKNEY, JACK D. Special center of research-Environmental lung disease-Histo- and cytopathology of nasal and pharyngeal tissues (monkeys).
- P17HL-15098-03 0009 (SRC) HACKNEY, JACK D. Special center of research-Environmental lung disease-Mechanical response of respiratory system to air pollutants (human, monkeys).
- P17HL-15098-03 0010 (SRC) GRODINS, FRED S. Special center of research-Environmental lung disease-Analytical models to determine mechanical parameters (human).
- P17HL-15098-03 0011 (SRC) MOHLER, JOHN G. Special center of research-Environmental lung disease-V/O component to alveolar-arterial oxygen tension difference model (human).
- P17HL-15098-03 0012 (SRC) THIEDE, FREDERICK C. Special center of research-Environmental lung disease-Mucociliary clearance and oxidant atmospheric pollutants (human, monkeys).
- P17HL-15103-03 (SRC) BERENSON, GERALD S, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Specialized center of research-arteriosclerosis.
- P17HL-15103-03 0001 (SRC) BERENSON, GERALD S. Specialized center of research-arteriosclerosis-Bogalusa family studies-General measurements (human).
- P17HL-15103-03 0002 (SRC) GONZALEZ, FRANCISCO M. Specialized center of research-arteriosclerosis-Bogalusa family studies-Blood pressure (children).
- P17HL-15103-03 0003 (SRC) MCMAHAN, C A. Specialized center of research-arteriosclerosis-Bogalusa family studies-Lipids (children).
- P17HL-15103-03 0004 (SRC) GOLDSMITH, GRACE A. Specialized center of research-arteriosclerosis-Bogalusa family studies-Nutrition (children).
- P17HL-15103-03 0005 (SRC) THURMAN, THEODORE F. Specialized center of research-arteriosclerosis-Bogalusa family studies-Genetics (human).
- P17HL-15103-03 0006 (SRC) VANEGEREN, LAWRENCE F. Specialized center of research-arteriosclerosis-Bogalusa family studies-Behavioral stress factors (human).
- P17HL-15103-03 0007 (SRC) BERENSON, GERALD S. Specialized center of research-arteriosclerosis-Bogalusa family studies-Dental survey (children).
- P17HL-15103-03 0008 (SRC) DALMANN, MARGARET C. Specialized center of research-arteriosclerosis-Community pathology-Children.
- P17HL-15103-03 0009 (SRC) GOLDSMITH, GRACE A. Specialized center of research-arteriosclerosis-New Orleans school children-Dietary intervention.
- P17HL-15103-03 0010 (SRC) BERENSON, GERALD S. Specialized center of research-arteriosclerosis-Experimental models-Induction of lesions (monkeys).
- P17HL-15103-03 0011 (SRC) RADHAKRISHNAMURTHY, B. Specialized center of research-arteriosclerosis-Macromolecular composition and metabolism of arterial wall (monkeys).
- P17HL-15103-03 0012 (SRC) KASTEN, FREDERICK H. Specialized center of research-arteriosclerosis-Cellular responses in atherosclerosis in tissue culture (monkeys).
- R01HL-15104-03 (BIO) GLASS, RICHARD S, UNIVERSITY OF ARIZONA, DEPARTMENT OF CHEMISTRY, TUCSON, ARIZ. A mechanism for oxidative phosphorylation.
- R01HL-15111-03 (PTHD) GLEZEN, WILLIAM P, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PEDIATRICS, CHAPEL HILL, N C. Host factors in pathogenesis of respiratory disease (human, hamsters).
- R01HL-15118-01 (CVB) DALY, MARIE M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Aortic metabolism in growth and hypertrophy (rats).
- R01HL-15123-02 (CVB) SAWYER, PHILIP N, SUNY - DOWNSTATE MED CTR, 450 CLARKSON AVE, BROOKLYN, N. Y. Effects of oral contraceptives on the vascular system (human, dogs, rats).
- R01HL-15124-02 (CVB) BALDWIN, DAVID S, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Genesis of hypertension in renal disease (human).
- R01HL-15125-02 (GEN) YOSHIDA, AKIRA Y, CITY OF HOPE NATIONAL MED CTR, 1500 E DURATE RD, DUARTE, CALIF. Molecular pathology of genetic disorders in man.
- R01HL-15140-01 (PTHA) WEISSMANN, GERALD, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Lysosomal proteases and chronic obstructive pulmonary disease.
- R01HL-15146-02 (CVA) OVERBECK, HENRY W, MICHIGAN STATE UNIVERSITY, DEPT OF PHYSIOLOGY, EAST LANSING, MICH. Hemodynamics and vasoactivity in renal hypertension (dogs).
- R01HL-15155-02 (BBCB) FORSMAN, WILLIAM C, UNIVERSITY OF PENNSYLVANIA, 398 TOWNE BUILDING, PHILADELPHIA, PA. Rheology of pulmonary secretions.
- P18HL-15157-03 (SRC) SULLIVAN, LOUIS W, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Comprehensive sickle cell disease center.
- P18HL-15157-03 0001 (SRC) SULLIVAN, LOUIS W. Comprehensive sickle cell disease center-Screening program (human).
- P18HL-15157-03 0002 (SRC) SULLIVAN, LOUIS W. Comprehensive sickle cell disease center-Central data bank and research file.
- P18HL-15157-03 0003 (SRC) SULLIVAN, LOUIS W. Comprehensive sickle cell disease center-Audiovisual education.
- P18HL-15157-03 0004 (SRC) NATHAN, DAVID G. Comprehensive sickle cell disease center-Pathophysiology of sickling (human).
- P18HL-15157-03 0005 (SRC) ABELMANN, WALTER H. Comprehensive sickle cell disease center-Cardiovascular manifestations of sickle cell anemia (human).
- P18HL-15157-03 0006 (SRC) ERBR, RICHARD W. Comprehensive sickle cell disease center-Genetic counseling in sickle cell disease.
- P18HL-15157-03 0007 (SRC) MATTHI, ROBERTO. Comprehensive sickle cell disease center-Blood coagulation and platelets in sickle cell disease (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P18HL-15157-03 0008 (SRC) BBOODY, JEROME S. Comprehensive sickle cell disease center—Lung function in sickle cell anemia (human).

P18HL-15157-03 0009 (SRC) PALEK, JIRI. Comprehensive sickle cell disease center—Red cell membrane alterations during sickling (human).

P18HL-15157-03 0010 (SRC) GRASSO, JOSEPH A. Comprehensive sickle cell disease center—Ultrastructural studies of sickle cell anemia (human).

P18HL-15157-03 0011 (SRC) RICH, ALEXANDER. Comprehensive sickle cell disease center—Development of specific anti-sickling compound (human).

P18HL-15157-03 0012 (SRC) DESFORGES, JANE F. Comprehensive sickle cell disease center—Glucose-6-phosphate dehydrogenase deficiency and hemoglobin S (human).

P18HL-15157-03 0013 (SRC) ROSEN, FRED S. Comprehensive sickle cell disease center—Host resistance to infection in sickle cell anemia (human).

P18HL-15157-03 0014 (SRC) CHARLES DAVID. Comprehensive sickle cell disease center—Diagnosis of fetal jeopardy in sickle cell trait and disease (human).

P18HL-15157-03 0015 (SRC) SULLIVAN, LOUIS W. Comprehensive sickle cell disease center—Home care.

P18HL-15157-03 0016 (SRC) HAYNES, JOHN KERMIT. Comprehensive sickle cell disease center—Comparison of sickle and normal membranes (human).

P18HL-15157-03 0017 (SRC) SMITH, EDGAR E. Comprehensive sickle cell disease center—Carbamylation of sickle cell hemoglobin by carbamyl phosphate (human).

P18HL-15158-03 (SRC) HUISMAN, TITUS H, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA. Comprehensive sickle cell disease center.

P18HL-15158-03 0004 (SRC) BROWN, AUDREY K. Comprehensive sickle cell disease center—The neonatal and infantile expression of Hb S (human).

P18HL-15158-03 0005 (SRC) CHANDLER, A BLEAKLEY. Comprehensive sickle cell disease center—Thrombus formation in vitro in sickle cell anemia (human).

P18HL-15158-03 0007 (SRC) HUISMAN, TITUS H. Comprehensive sickle cell disease center—Education.

P18HL-15158-03 0008 (SRC) EPREMOV, GEORGI D. Comprehensive sickle cell disease center—Core laboratory of the center.

P18HL-15158-03 0009 (SRC) KAMEL, KARIM. Comprehensive sickle cell disease center—Counseling and social services.

P18HL-15158-03 0010 (SRC) HARRIS, HERMAN F. Comprehensive sickle cell disease center—Tutorial service for sickle cell anemia patients.

P18HL-15158-03 0011 (SRC) LUTCHER, CHARLES L. Comprehensive sickle cell disease center—Clinical services—Adult patients.

P18HL-15158-03 0012 (SRC) BROWN, AUDREY K. Comprehensive sickle cell disease center—Clinical services—Pediatric patients.

P18HL-15158-03 0013 (SRC) MERCHANT, HUBERT W. Comprehensive sickle cell disease center—Dental clinical services.

P18HL-15158-03 0014 (SRC) AMMA, ELMER E. Comprehensive sickle cell disease center—Mechanism of sickling in human and deer hemoglobins.

P18HL-15158-03 0015 (SRC) EPREMOV, GEORGI D. Comprehensive sickle cell disease center—Chemical analysis of hemoglobin (human).

P18HL-15158-03 0016 (SRC) HUISMAN, TITUS H. Comprehensive sickle cell disease center—Biosynthetic analyses of globin (human).

P18HL-15158-03 0017 (SRC) ABRAHAM, EDATHARA C. Comprehensive sickle cell disease center—Minor hemoglobin and cell fractionation (human).

P18HL-15158-03 0018 (SRC) HUISMAN, TITUS H. Comprehensive sickle cell disease center—Quantitative hemoglobin F analysis (human).

P18HL-15158-03 0019 (SRC) EPREMOV, GEORGI D. Comprehensive sickle cell disease center—Qualitative hemoglobin F analysis.

P18HL-15158-03 0020 (SRC) GARVER, FREDERICK A. Comprehensive sickle cell disease center—Immunochemical investigation of hemoglobin variants (rabbits, goats, human).

P18HL-15158-03 0021 (SRC) KAMEL, KARIM. Comprehensive sickle cell disease center—Investigations of trace elements in sickle cell anemia (human).

P18HL-15158-03 0022 (SRC) MILTY, MILO D. Comprehensive sickle cell disease center—Pneumococcal infections and sickle cell anemia (human).

P18HL-15158-03 0023 (SRC) KAMEL, KARIM. Comprehensive sickle cell disease center—Clinical and hematological studies (human).

P18HL-15158-03 0024 (SRC) LUTCHER, CHARLES L. Comprehensive sickle cell disease center—Oral contraceptives and sickle cell anemia (human).

P18HL-15158-03 0025 (SRC) STRONG, WILLMA B. Comprehensive sickle cell disease center—Cardiopulmonary and cardiovascular evaluation (human).

P18HL-15158-03 0026 (SRC) SHEPARD, WALTER L. Comprehensive sickle cell disease center—History of sickle cell anemia.

P18HL-15158-03 0027 (SRC) HARRIS, HERMAN F. Comprehensive sickle cell disease center—Community Advisory Board.

P18HL-15160-03 (SRC) SCOTT, ROLAND B, HOWARD UNIVERSITY, COLLEGE OF MEDICINE, WASHINGTON, D C. Comprehensive sickle cell disease center.

P18HL-15160-03 0001 (SRC) BRISCOE, EDWARD G. Comprehensive sickle cell disease center—Sickle cell disease and anesthetic experience (human).

P18HL-15160-03 0002 (SRC) NANDEDKAR, ARVIND K N. Comprehensive sickle cell disease center—Dissociation of hemoglobin S by inorganic and organic compounds (human).

P18HL-15160-03 0003 (SRC) MURRAY, ROBERT F, JR. Comprehensive sickle cell disease center—Genetic counseling for sickle cell anemia.

P18HL-15160-03 0004 (SRC) SHEAGREN, JOHN N. Comprehensive sickle cell disease center—Cellular immune reactions in patients with sickle cell anemia.

P18HL-15160-03 0005 (SRC) EPPS, CHARLES H. Comprehensive sickle cell disease center—In vivo bone mineral content in sickle cell anemia (human).

P18HL-15160-03 0006 (SRC) JILY, PONGRAC N. Comprehensive sickle cell disease center—2,3-Diphosphoglycerate in sickle cell disease (human).

P18HL-15160-03 0007 (SRC) SCOTT, ROLAND B. Comprehensive sickle cell disease center—Socioeconomic aspects of sickle cell disease.

P18HL-15161-03 (SRC) SINNETTE, CALVIN H, HARLEM HOSPITAL CENTER, 135TH STREET AND LENOX AVENUE, NEW YORK, N Y. Comprehensive sickle cell disease center.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P18HL-15161-03 0001 (SRC) SMITH, JEANNE A. Comprehensive sickle cell disease center—Program for provision of medical and social services to sickle cell patients.

P18HL-15161-03 0002 (SRC) GUNNING, LUCILLE. Comprehensive sickle cell disease center—Intellectual and emotional growth and development of children.

P18HL-15161-03 0003 (SRC) CHRISTMAS, JUNE JACKSON. Comprehensive sickle cell disease center—Vocational rehabilitation of patients with sickle cell disease.

P18HL-15161-03 0004 (SRC) NATTA, CLAYTON. Comprehensive sickle cell disease center—Screening program for sickle cell and allied disorders.

P18HL-15161-03 0005 (SRC) SINNETTE, CALVIN H. Comprehensive sickle cell disease center—Educational program concerned with sickle cell and allied diseases.

P18HL-15161-03 0006 (SRC) SMITH, JEANNE A. Comprehensive sickle cell disease center—Morbidity of sickle cell trait (human).

P18HL-15161-03 0007 (SRC) OGWO, JOSEPH. Comprehensive sickle cell disease center—Kidney in children with sickle hemoglobin.

P18HL-15161-03 0008 (SRC) EVANS, HUGH. Comprehensive sickle cell disease center—Host resistance to infection in patients with sickle cell and allied diseases.

P18HL-15161-03 0009 (SRC) NATTA, CLAYTON. Comprehensive sickle cell disease center—Variation in sickle cell disease and the synthesis of normal hemoglobin (human).

P18HL-15161-03 0010 (SRC) WEISS, HARVEY J. Comprehensive sickle cell disease center—Coagulation fibrinolysis, and platelets in sickle cell disease (human).

P18HL-15161-03 0011 (SRC) CHIEN, SHU. Comprehensive sickle cell disease center—Rheological study of blood in sickle cell disease (human).

P18HL-15162-03 (SRC) HAYWOOD, L JULIAN, 1200 NORTH STATE STREET, LOS ANGELES, CALIF. Comprehensive sickle cell disease center.

P18HL-15162-03 0001 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Inpatient service.

P18HL-15162-03 0002 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Outpatient service.

P18HL-15162-03 0003 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Patient care team.

P18HL-15162-03 0004 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Laboratory (human).

P18HL-15162-03 0005 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Lay and professional education.

P18HL-15162-03 0006 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Psycho-social service.

P18HL-15162-03 0007 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Demographic studies (human).

P18HL-15162-03 0008 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Consultations.

P18HL-15162-03 0009 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Transportation (human).

P18HL-15162-03 0010 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Community involvement (human).

P18HL-15162-03 0011 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Genetic counseling and diagnostic screening.

P18HL-15162-03 0013 (SRC) POWARS, DARLEEN R. Comprehensive sickle cell disease center—Newborn diagnosis of sickle cell disease by mini column chromatography (human).

P18HL-15165-03 (SRC) BOGGS, DANE R, UNIVERSITY OF PITTSBURGH, TERRACE AND DESOTO STREETS, PITTSBURGH, PA. Comprehensive sickle cell disease center.

P18HL-15165-03 0001 (SRC) BOGGS, DANE R. Comprehensive sickle cell disease center—Feasibility and effectiveness of community education, screening, and counseling.

P18HL-15165-03 0003 (SRC) CHERVENICK, PAUL A. Comprehensive sickle cell disease center—In vitro growth of hematopoietic cells from human embryonic tissue (human).

P18HL-15165-03 0005 (SRC) LEWIS, JESSIE H. Comprehensive sickle cell disease center—Intravascular clotting in sickle cell disease (human).

P18HL-15165-03 0007 (SRC) HO, CHIEN. Comprehensive sickle cell disease center—Magnetic resonance studies of sickle cell erythrocytes and hemoglobin (human).

P18HL-15165-03 0008 (SRC) KAPLAN, SANDRA. Comprehensive sickle cell disease center—Bacterial defense mechanisms in sickle cell anemia (human).

P18HL-15165-03 0010 (SRC) BOGGS, DANE R. Comprehensive sickle cell disease center—Comparative study of therapy of leg ulcers in sickle cell anemia (human).

P18HL-15165-03 (SRC) MERRITT, DORIS H, INDIANA UNIVERSITY FOUNDATION, 1219 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Comprehensive sickle cell disease center.

P18HL-15166-03 0001 (SRC) HICKS, EDWARD J. Comprehensive sickle cell disease center—Mechanism of erythrocyte sickling (human).

P18HL-15166-03 0002 (SRC) ANTLEY, RAY M. Comprehensive sickle cell disease center—Prenatal diagnosis (human).

P18HL-15166-03 0003 (SRC) PIERCE, RAYMOND O. Comprehensive sickle cell disease center—Production of salmonella osteomyelitis and necrosis of long bones (rats).

P18HL-15166-03 0004 (SRC) HICKS, EDWARD J. Comprehensive sickle cell disease center—Immunological procedures for identifying hemoglobins S, A, F, and C (human).

P18HL-15166-03 0005 (SRC) NANCE, WALTER E. Comprehensive sickle cell disease center—Clinical significance of hemoglobin isalleles (human).

P18HL-15166-03 0006 (SRC) CONNEALLY, P MICHAEL. Comprehensive sickle cell disease center—Linkage between the hemoglobin beta locus and other genetic markers (human).

P18HL-15166-03 0007 (SRC) CONNEALLY, P MICHAEL. Comprehensive sickle cell disease center—Genetic studies on hypertension and renin secretion in black families and twins.

P18HL-15166-03 0008 (SRC) COATES, JACQUELINE. Comprehensive sickle cell disease center—Familial psychosocial aspects of sickle hemoglobin.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P18HL-15166-03 0009 (SRC) HICKS, EDWARD J. Comprehensive sickle cell disease center-Immunoglobulins G, A, and M, alpha globulins, and complement (human).
- P18HL-15166-03 0010 (SRC) PIERCE, RAYMOND O. Comprehensive sickle cell disease center-Treatment of aseptic necrosis of the hip by bone grafting (human).
- P18HL-15166-03 0011 (SRC) ANTLEY, RAY M. Comprehensive sickle cell disease center-Genetic counseling and its effects on fertility.
- P18HL-15166-03 0012 (SRC) REED, TERRY E. Comprehensive sickle cell disease center-Effect of sickle trait on incidence of medical problems and reproductive fitness.
- P18HL-15166-03 0013 (SRC) FRAYSER, REGINA. Comprehensive sickle cell disease center-The optic fundus (human).
- P18HL-15168-03 (SRC) RABB, MAURICE F, UNIVERSITY OF ILLINOIS, 1855 W TAYLOR STREET, CHICAGO, ILL. Comprehensive sickle cell disease center.
- P18HL-15160-03 0001 (SRC) RABB, MAURICE F. Comprehensive sickle cell disease center-Screening program (human).
- P18HL-15168-03 0002 (SRC) HELLER, PAUL. Comprehensive sickle cell disease center-Patient service program.
- P18HL-15168-03 0003 (SRC) COHEN, CARL. Comprehensive sickle cell disease center-Education and training program.
- P18HL-15168-03 0004 (SRC) SCHULMAN, IRVING. Comprehensive sickle cell disease center-Hemostatic function (human).
- P18HL-15168-03 0005 (SRC) GOLDBERG, MORTON F. Comprehensive sickle cell disease center-Ocular therapy, clinical investigations, and counseling.
- P18HL-15169-03 (SRC) KRAUS, ALFRED P, UNIVERSITY OF TENNESSEE, 800 MADISON AVE, MEMPHIS, TENN. Comprehensive sickle cell disease center.
- P18HL-15169-03 0001 (SRC) SHIVELY, JOHN A. Comprehensive sickle cell disease center-Aplastic crises in sickle cell anemia (human).
- P18HL-15169-03 0003 (SRC) PHILLIPS, JERRY C. Comprehensive sickle cell disease center-Bone lesions in sickle cell disease (human).
- P18HL-15169-03 0004 (SRC) KRAUS, LORRAINE M. Comprehensive sickle cell disease center-Chemistry of sickle cell anemia variants (human).
- P18HL-15169-03 0005 (SRC) KRAUS, ALFRED P. Comprehensive sickle cell disease center-Clinical trials of therapy for sickle cell vaso-occlusive crisis.
- P18HL-15169-03 0006 (SRC) DIGGS, LEMUEL W. Comprehensive sickle cell disease center-Effect of high oxygen concentration upon healing of chronic leg ulcers (human).
- P18HL-15169-03 0007 (SRC) WRUBLE, LAWRENCE D. Comprehensive sickle cell disease center-Enzymatic radiologic and pathologic changes of liver in sickle cell anemia (human).
- P18HL-15169-03 0008 (SRC) KRAUS, ALFRED P. Comprehensive sickle cell disease center-Evaluation of hemoglobin anabolism and catabolism in sickle cell disease (human).
- P18HL-15169-03 0009 (SRC) BISNO, ALAN L. Comprehensive sickle cell disease center-The high incidence of pneumococcal infections in sickle cell anemia (human, mice).
- P18HL-15169-03 0011 (SRC) DUGDALE, M. Comprehensive sickle cell disease center-Hemostasis in sickle cell disease (human).
- P18HL-15169-03 0012 (SRC) PHILLIPS, JERRY C. Comprehensive sickle cell disease center-Evaluation of the incidence of cholelithiasis in sickle cell disease (human).
- P18HL-15169-03 0013 (SRC) VIDULICH, ROBERT N. Comprehensive sickle cell disease center-Intelligence and mental capacity of patients with sickle cell disease.
- P18HL-15169-03 0014 (SRC) ANDERSON, LEWIS D. Comprehensive sickle cell disease center-Orthopaedic aspects of sickle cell disease including avascular necrosis (human).
- P18HL-15169-03 0015 (SRC) DAVIS, HARRY L. Comprehensive sickle cell disease center-Pathophysiology of acute pulmonary infiltrates in sickle cell disease (human).
- P18HL-15169-03 0016 (SRC) EMINS, JAMES E. Comprehensive sickle cell disease center-Radiographic changes of dental significance in the sickle cell disease patient.
- P18HL-15169-03 0017 (SRC) DIGGS, L W. Comprehensive sickle cell disease center-Study of the natural history of sickle cell disease in the home.
- P18HL-15169-03 0018 (SRC) KRAUS, LORRAINE M. Comprehensive sickle cell disease center-Studies on sickle cell disease (human, rats, mice, dogs).
- P18HL-15169-03 0019 (SRC) KRAUS, ALFRED P. Comprehensive sickle cell disease center-Central screening and reference laboratory.
- P18HL-15169-03 0020 (SRC) KRAUS, ALFRED P. Comprehensive sickle cell disease center-Reference library and development of educational material on sickle cell disease.
- P18HL-15169-03 0021 (SRC) KRAUS, ALFRED P. Comprehensive sickle cell disease center-Multidisciplinary module system for education, screening and counseling.
- P18HL-15170-03 (SRC) LEVERE, RICHARD D, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Comprehensive sickle cell disease center.
- P18HL-15170-03 0001 (SRC) HOLDEN, DOROTHY M. Comprehensive sickle cell disease center-Adult out-patient care.
- P18HL-15170-03 0002 (SRC) HOLDEN, DOROTHY M. Comprehensive sickle cell disease center-Screening programs and genetic counseling (human).
- P18HL-15170-03 0003 (SRC) HOLDEN, DOROTHY M. Comprehensive sickle cell disease center-Adult educational program.
- P18HL-15170-03 0004 (SRC) HOLDEN, DOROTHY M. Comprehensive sickle cell disease center-Cyanate as a possible therapy (human).
- P18HL-15170-03 0005 (SRC) HOLDEN, DOROTHY M. Comprehensive sickle cell disease center-Intravenous urea in the treatment of sickle cell crisis (human).
- P18HL-15170-03 0006 (SRC) ROBINSON, MARGARET. Comprehensive sickle cell disease center-Pediatric comprehensive care clinic.
- P18HL-15170-03 0007 (SRC) ROBINSON, MARGARET. Comprehensive sickle cell disease center-Pediatric screening programs.
- P18HL-15170-03 0003 (SRC) ROBINSON, MARGARET. Comprehensive sickle cell disease center-Pediatric screening programs.
- P18HL-15170-03 0009 (SRC) ROBINSON, MARGARET. Comprehensive sickle cell disease center-Role of spleen in severe infections and development of a prophylactic regimen (hu).
- P18HL-15170-03 0010 (SRC) ROBINSON, MARGARET. Comprehensive sickle cell disease center-Incidence of glucose-6-phosphato dehydrogenase deficiency (human).
- P18HL-15170-03 0011 (SRC) VOELLER, K. Comprehensive sickle cell disease center-Development of central nervous system complications and sequelae (human).
- P18HL-15170-03 0012 (SRC) RODRIQUEZ TORRES, R R. Comprehensive sickle cell disease center-Cardiac and hemodynamic studies (human).
- P18HL-15170-03 0013 (SRC) ORTI, E. Comprehensive sickle cell disease center-Effect of sodium and potassium cyanate treatment on hormone action (human).
- P18HL-15170-03 0014 (SRC) QAZI, Q. H.. Comprehensive sickle cell disease center-Adrenal cortex function (human).
- P18HL-15170-03 0015 (SRC) MCVIVAR, M. Comprehensive sickle cell disease center-Renal functional and pathologic studies (human).
- P18HL-15170-03 0016 (SRC) LEVERE, RICHARD D. Comprehensive sickle cell disease center-Modification of hemoglobin S side chains (human).
- P18HL-15170-03 0017 (SRC) LEVERE, RICHARD D. Comprehensive sickle cell disease center-Control of hemoglobin synthesis and modification of hemoglobin phenotype (human).
- P18HL-15170-03 0018 (SRC) LEVERE, RICHARD D. Comprehensive sickle cell disease center-Intravascular coagulation phenomena (human).
- P18HL-15170-03 0019 (SRC) DIAMOND, HERBERT S. Comprehensive sickle cell disease center-Renal handling of uric acid (human).
- P18HL-15170-03 0020 (SRC) LEVERE, RICHARD D. Comprehensive sickle cell disease center-Calcitonin in expansive bone marrow disease (human).
- P18HL-15170-03 0021 (SRC) RIEDER, RONALD F. Comprehensive sickle cell disease center-Mechanisms of control of hemoglobin synthesis (human).
- P18HL-15170-03 0022 (SRC) LEVERE, RICHARD D. Comprehensive sickle cell disease center-Surface chemicals (human).
- P18HL-15170-03 0023 (SRC) DOSIK, HARVEY. Comprehensive sickle cell disease center-Comprehensive patient care.
- P18HL-15170-03 0024 (SRC) MIOTTI, A. Comprehensive sickle cell disease center-Coagulation abnormalities (human).
- P18HL-15170-03 0025 (SRC) DOSIK, HARVEY. Comprehensive sickle cell disease center-Hypertransfusion to prevent sickle cell crises and thrombotic episodes (human).
- P18HL-15170-03 0026 (SRC) MORRISON, ALLEN. Comprehensive sickle cell disease center-Infections and type of organism in relation to immunologic abnormalities (human).
- P18HL-15170-03 0027 (SRC) DOSIK, HARVEY. Comprehensive sickle cell disease center-Infections and type of organism found in relation to immunologic abnormalities.
- P18HL-15170-03 0028 (SRC) DOSIK, HARVEY. Comprehensive sickle cell disease center-Newborn screening program.
- P18HL-15170-03 0029 (SRC) DOSIK, HARVEY. Comprehensive sickle cell disease center-Prognancy in sickle cell patients.
- RO1HL-15173-03 (RM) QUINN, ROBERT W, VANDERBILT UNIV SCH OF MED, NASHVILLE, TENN. Bacterial interference and streptococcal M antibodies (human).
- RO1HL-15174-03 (EDC) STAMLER, JEREMIAH, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. CV disease epidemiology-Second generation studies (human).
- RO1HL-15183-01 (SOYB) WALLACE, HERBERT W, HOSP-UNIV OF PENNSYLVANIA, 19TH & LOMBARD STREETS, PHILADELPHIA, PA. Surgery with assisted and total bypass-Blood changes (human, dogs).
- RO1HL-15185-02 (PTMB) HARLEY, RUSSELL A, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE ST, CHARLESTON, S C. Progressing fibrosis of lungs (guinea pigs).
- RO1HL-15190-03 (CVB) WALLACE, ANDREW G, DUKE UNIVERSITY, BOX 3022, DURHAM, N C. Physiological basis of arrhythmias and their therapy (human).
- RO1HL-15191-03 (EDC) CORNFIELD, JEROME, 7979 OLD GEORGETOWN ROAD, BETHESDA, MD. Multiparameter methods for cardiovascular research.
- PO1HL-15194-02 (HEP) KLOCKE, FRANCIS J, E J MEYER MEMORIAL HOSPITAL, 462 GRIDER ST, RM C-169., BUFFALO, N Y. Pathophysiology of cardiopulmonary dysfunction.
- PO1HL-15194-02 0001 (HEP) KLOCKE, FRANCIS J. Pathophysiology of cardiopulmonary dysfunction-Coronary circulation-Distribution of blood flow within the heart (human, dogs).
- PO1HL-15194-02 0002 (HEP) KLOCKE, FRANCIS J. Pathophysiology of cardiopulmonary dysfunction-Coronary circulation-Determination of flow using precordial counting (human, dog).
- PO1HL-15194-02 0003 (HEP) GREENE, DAVID G. Pathophysiology of cardiopulmonary dysfunction-Coronary circulation-Evaluation of nutritive flow (human).
- PO1HL-15194-02 0004 (HEP) WITTENBERG, STEPHEN M. Pathophysiology of cardiopulmonary dysfunction-Modeling of arrhythmia in animals and single cells (human, dogs).
- PO1HL-15194-02 0005 (HEP) WITTENBERG, STEPHEN M. Pathophysiology of cardiopulmonary dysfunction-Arrhythmias related to coronary disease and sudden cardiac death (human).
- PO1HL-15194-02 0006 (HEP) KLOCKE, ROBERT A. Pathophysiology of cardiopulmonary dysfunction-Influence of oxygenation, pH, diphosphoglycerate on carbon dioxide exchange.
- PO1HL-15194-02 0007 (HEP) KLOCKE, ROBERT A. Pathophysiology of cardiopulmonary dysfunction-Kinetics of gas exchange-Speed of bicarbonate-chloride shift (human).
- PO1HL-15194-02 0008 (HEP) KLOCKE, ROBERT A. Pathophysiology of cardiopulmonary dysfunction-Kinetics of gas exchange-Linked functions of hemoglobin (human).
- PO1HL-15194-02 0009 (HEP) KLOCKE, ROBERT A. Pathophysiology of cardiopulmonary dysfunction-Erythrocyte membrane and hemoglobin concentration on oxygen exchange (human).
- PO1HL-15194-02 0010 (HEP) KLOCKE, FRANCIS J. Pathophysiology of cardiopulmonary dysfunction-Ventilation-perfusion ratios measurements of elimination of inert gases.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HL-15194-02 0011 (HEP) KLOCKE, FRANCIS J. Pathophysiology of cardiopulmonary dysfunction-Alveoli with low ventilation perfusion ratios from pulmonary arteriovenous shunts.
- RO1HL-15194-02 0012 (HEP) KLOCKE, ROBERT A. Pathophysiology of cardiopulmonary dysfunction-Positive pressure breathing in ventilated patients with respiratory failure.
- RO1HL-15194-02 0013 (HEP) MATES, ROBERT E. Pathophysiology of cardiopulmonary dysfunction-Cardiopulmonary flow models-Fluid mechanics of occlusive coronary lesions (dogs).
- RO1HL-15194-02 0014 (HEP) MATES, ROBERT E. Pathophysiology of cardiopulmonary dysfunction-Cardiopulmonary flow models-Interpretation of indicator measurements (human).
- RO1HL-15194-02 0015 (HEP) KLOCKE, ROBERT A. Pathophysiology of cardiopulmonary dysfunction-Methodological techniques required for evaluation of cardiopulmonary dysfunction.
- RO1HL-15194-02 0016 (HEP) KLOCKE, ROBERT A. Pathophysiology of cardiopulmonary dysfunction-Kinetics of the reactions of indocyanine green.
- RO1HL-15194-02 0017 (HEP) BUNNELL, IVAN L. Pathophysiology of cardiopulmonary dysfunction-Quantitation of hepatic adipose tissue content (human, rats, dogs).
- RO1HL-15195-01 (HEP) WALTON, ALAN G. CASE WESTERN RESERVE UNIV, 801 OLIN BUILDING, CLEVELAND, OHIO. Program project in biological materials.
- RO1HL-15195-01 0001 (HEP) ANDERSON, JAMES M. Program project in biological materials-Design and synthesis.
- RO1HL-15195-01 0002 (HEP) WALTON, ALAN G. Program project in biological materials-Structural and surface characterization.
- RO1HL-15195-01 0003 (HEP) HILTNER, PHYLLIS A. Program project in biological materials-Mechanical evaluation and fabrication.
- RO1HL-15195-01 0004 (HEP) COOK, ROBERT T. Program project in biological materials-Biological evaluation and surface interaction studies (animals).
- RO1HL-15196-02 (BBCB) DAS, TARA P. STATE UNIVERSITY OF NEW YORK, 1400 WASHINGTON AVENUE, ALBANY, N Y. Theory of electronic properties of metalloproteins.
- RO1HL-15198-02 (BBCB) RICHARDS, JOHN H. CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Heme proteins, erythrocytes and sickle cell anemia (rabbits).
- RO1HL-15210-02 (PTHA) NEVILLE, HANS E. UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Sympathetic nervous system influences on atherosclerosis (rabbits).
- RO1HL-15211-02 (PTHB) DEODHAR, SHARAD D. CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Immunologic aspects of beryllium lung disease (human, rats, guinea pigs).
- RO1HL-15215-02 (HEM) DALMASSO, AGUSTIN P. VETERANS ADMINISTRATION HOSP, 54TH STREET & 48TH AVE SOUTH, MINNEAPOLIS, MINN. Role of complement in intravascular coagulation (rabbits, mice).
- RO1HL-15216-02 (HEM) EDGINGTON, THOMAS S. SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Pathobiology of fibrinogen (human, monkey, rabbits).
- RO1HL-15219-02 (BBCA) HEDLEY-WHYTE, JOHN, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Sickle cell diseases anesthetics and other drugs (human).
- RO1HL-15226-02 (HEM) NIEWIAROWSKI, STEFAN, TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA. Interaction of cells with polymerizing fibrin (human, pigs, rabbits).
- RO1HL-15228-02 (HEM) DIEDERICH, DENNIS A. UNIVERSITY OF KANSAS, 39TH & RAINBOW BLVD, KANSAS CITY, KANS. Factors influencing sickling phenomenon (human, rats).
- RO1HL-15230-01 (HEM) HOUGIE, CECIL, UNIV OF CALIFORNIA SAN DIEGO, DEPT OF PATHOLOGY, LA JOLLA, CALIF. Molecular basis of V Willebrand's disease and hemophilia (dogs).
- RO1HL-15231-02 (CVA) CHOU, CHING-CHUNG, DEPT OF PHYSIOLOGY, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Mechanisms of hemodynamic changes during digestion (dogs).
- RO1HL-15232-02 (CVA) OERLINGS, EELCO D. UNIVERSITY OF NEBRASKA, 42ND AND DEWEY AVENUE, OMAHA, NEBR. Myocardial conversion of angiotensin I (dogs, rabbits).
- RO1HL-15239-01 (SGYA) ANAGNOSTOPOULOS, C E. UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Growth in vascular grafts (dogs, cattle).
- RO1HL-15244-01 (RAD) LANG, JOSEPH H. UNIV OF CALIFORNIA SAN DIEGO, DEPT OF RADIOLOGY, SAN DIEGO, CALIF. Experimental developments in diagnosis of thrombosis (rabbits, dogs).
- RO1HL-15246-01 (SGYB) HAGLIN, JOHN J. MINNEAPOLIS MED RES FDN, INC, 619 SOUTH 5TH STREET, MINNEAPOLIS, MINN. Lung allotransplantation (baboon).
- RO1HL-15247-02 (SGYA) PARSONNET, VICTOR, BETH ISRAEL MEDICAL CENTER, 201 LYONS AVENUE, NEWARK, N J. Extending the life of implanted pacemakers (dogs).
- RO1HL-15257-02 (SGYA) SAUVAGE, LESTER R. PROVIDENCE HOSPITAL, 528 18TH AVENUE, SEATTLE, WASH. Attainment of optimal healing of arterial prosthesis (baboon, dogs, human).
- RO1HL-15263-02 (MET) ALBERS, JOHN J. HARBORVIEW MEDICAL CENTER, 325 9TH AVENUE, SEATTLE, WASH. Lipoprotein peptide and enzyme radioimmunoassay (human).
- RO1HL-15266-02 (CVA) REDDING, RALPH A. THE MEMORIAL HOSPITAL, PROSPECT STREET, PAWTUCKET, R I. Evaluation and synthesis of lung surfactant (human, animals, rabbits).
- RO1HL-15270-02 (CVB) VAISHNAV, RAMESH N. CATHOLIC UNIVERSITY OF AMERICA, CIVIL & MECHANICAL ENGR, WASHINGTON, D C. Local mechanical properties of the aortic tissue (dogs, pigs).
- RO1HL-15273-02 (PTHB) RALINT, JOHN A. ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N Y. Metabolism of pulmonary surfactant (rats).
- RO1HL-15284-02 (BBCB) PARKHURST, LAWRENCE J. UNIV OF NEBRASKA-LINCOLN, DEPARTMENT OF CHEMISTRY, LINCOLN, NEBR. Hemoglobin and myoglobin kinetic studies (human, animals).
- RO1HL-15289-02 (HEM) GEAR, ADRIAN R. UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. Platelet survival and function-Role of mitochondria (human).
- RO1HL-15293-02 (BBCB) BERTLES, JOHN F. ST LUKE'S HOSPITAL, AMSTERDAM AVE AT 114TH STREET, NEW YORK, N Y. Sickle cell hemoglobin-interactions and aggregation.
- RO1HL-15304-02 (CVA) WEXLER, BERNARD C. MAY INST FOR MEDICAL RESEARCH, 421 RIDGEWAY AVENUE, CINCINNATI, OHIO. Spontaneous arteriosclerosis-Ground substance changes.
- RO1HL-15307-02 (GMB) ZEHR, JOHN E. UNIVERSITY OF ILLINOIS, 524 BURRILL HALL, URBANA, ILL. Central nervous control of renin and blood pressure.
- RO1HL-15308-02 (MET) SCHONFELD, GUSTAV, WASHINGTON UNIVERSITY, DEPT OF PREVENTIVE MED, ST LOUIS, MO. Assays for peptides of lipoproteins (human).
- RO1HL-15309-02 (PC) CRAWFORD, IRVING P. SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Normal and variant human alpha 1-antitrypsin.
- RO1HL-15311-02 (PHY) FARBER, JAY P. UNIVERSITY OF IOWA, DEPT OF PHYSIOL/BIOPHYSICS, IOWA CITY, IOWA. Development of Hering-Breuer reflexes (opossum).
- RO1HL-15313-02 (PHRA) MORRIS, HELEN G. NATIONAL JEWISH HOSPITAL, 3800 EAST COLFAX AVENUE, DENVER, COLO. Cyclic AMP metabolism in leukocytes from asthmatics.
- RO1HL-15316-02 (CVA) O'HARE, KAREN H. TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Lung surfactant system-Multidisciplinary study (animals).
- RO1HL-15319-02 (CVB) HALL, CHARLES E. UNIVERSITY OF TEXAS MED BRANCH, GALVESTON, TEX. Genetic factors in experimental hypertension (rats).
- RO1HL-15329-02 (HEM) BRADLEY, THOMAS B. JR. VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Abnormal hemoglobins and fibrinogens (human).
- RO1HL-15335-02 (HEM) SIMONS, ELIZABETH R. BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. The nature of the collagen-platelet interaction (animals).
- RO1HL-15336-01 (MET) GANESAN, DEVIKAI N. OKLAHOMA MEDICAL RESEARCH FDN, 825 N E 13TH STREET, OKLAHOMA CITY, OKLA. Lipoprotein lipase and related lipolytic activities (human).
- RO1HL-15341-02 (HEB) CHYTL, FRANK, VANDERBILT UNIVERSITY, SCHOOL OF MEDICINE, NASHVILLE, TENN. Lung hormonal and chromosomal regulation (human, rats, sheep).
- RO1HL-15344-02 (CVA) JONES, JANICE L. UNIVERSITY OF VERMONT, MEDICAL ALUMNI BUILDING, BURLINGTON, VT. Countershock current injury to myocardial cells (rats, chick embryo).
- RO1HL-15349-01 (GMB) WALKER, W GORDON, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Antiangiostatin antibody free AM and hypertension (rabbits).
- RO1HL-15357-02 (CVA) MC CLUBBIN, JAMES W. CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Etiologic mechanisms of renal hypertension (dogs).
- RO1HL-15365-02 (SGYB) ZERVAS, NICHOLAS T. BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Treatment of post surgical vasoconstriction (dogs, cats, monkeys).
- RO1HL-15367-02 (PHY) WIEBER, ANNEMARIE A. UNIVERSITY OF PENNSYLVANIA, 358 ANATOMY-CHEMISTRY BLDG, PHILADELPHIA, PA. Troponin action in cardiac and skeletal muscle (rabbits).
- RO1HL-15374-03 (SRC) STAMLER, JEREMIAH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Cooperative study of drugs and coronary heart disease (human).
- RO1HL-15376-03 (PC) SCHROEPPER, GEORGE J. JR. RICE UNIVERSITY, DEPT OF BIOCHEMISTRY, HOUSTON, TEX. Intermediary metabolism of sterols (rats).
- RO1HL-15378-02 (BBCA) EDMONDS, JAMES W. MEDICAL FOUNDATION OF BUFFALO, 73 HIGH STREET, BUFFALO, N Y. Ultrastructure of antihypertensive prostaglandins.
- RO1HL-15381-03 (HEM) MANN, KENNETH G. MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. The activation of prothrombin (dogs).
- RO1HL-15382-03 (TEC) TABATZNIK, BERNARD, NORTH CHARLES GENERAL HOSP, NORTH CHARLES AT 28TH ST, BALTIMORE, MD. Cooperative study of drugs and coronary heart disease (men).
- RO1HL-15383-02 (HEM) MAZUR, ABRAHAM, CITY COLL OF THE CITY UNIV N Y, CONVENT AVE AT 138TH STREET, NEW YORK, N Y. Structure and properties of six hemoglobins (rats).
- RO1HL-15384-02 (GMB) HUGGINS, CLYDE G. UNIVERSITY OF SOUTH ALABAMA, DEPT OF BIOCHEMISTRY, MOBILE, ALA. Biochemistry of the angiotensin I converting enzyme (rabbits).
- P17HL-15389-03 (SRC) PINK, JORDAN N. MEDICAL COLLEGE OF WISCONSIN, VA HOSPITAL, RESEARCH SER, 151, WOOD, WIS. Wisconsin Pulmonary Disease Research Center.
- P17HL-15389-03 0001 (SRC) EMANUEL, DEAN. Wisconsin Pulmonary Disease Research Center-Patients known to have hypersensitivity pneumonitis.
- P17HL-15389-03 0002 (SRC) PINK, JORDAN N. Wisconsin Pulmonary Disease Research Center-Patients suspected to have hypersensitivity pneumonitis.
- P17HL-15389-03 0003 (SRC) RANKIN, JOHN. Wisconsin Pulmonary Disease Research Center-Epidemiology of hypersensitivity pneumonitis (human, bacteria).
- P17HL-15389-03 0004 (SRC) REED, CHARLES E. Wisconsin Pulmonary Disease Research Center-Delayed hypersensitivity to inhaled haptens (human).
- P17HL-15389-03 0005 (SRC) BARBORIAK, JOSEPH J. Wisconsin Pulmonary Disease Research Center-Animal models of hypersensitivity pneumonitis (monkeys, rabbits, rodents).
- P17HL-15389-03 0006 (SRC) DODSON, VERNON N. Wisconsin Pulmonary Disease Research Center-Other environmental pulmonary diseases (human, mammals).
- P17HL-15389-03 0007 (SRC) BIRNBAUM, MARVIN L. Wisconsin Pulmonary Disease Research Center-Biometrics.
- RO1HL-15390-08 (PHY) JOHNSON, PAUL C. UNIVERSITY OF ARIZONA, DEPT OF PHYSIOLOGY, TUCSON, ARIZ. Regulation of blood flow in the microcirculation.
- RO1HL-15391-02 (BBCB) SEIDEL, JOHN C. BOSTON BIOMED RES INST, 20 STANFORD STREET, BOSTON, MASS. Nucleotide induced changes of conformation in myosin.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01HL-15392-02 (PHRA) PRICE, HENRY L, HAHNEMANN MEDICAL COLLEGE, 230 N BROAD ST, PHILADELPHIA, PA. Sympathomimetic and circulations of anesthetics (mammals).
- R01HL-15393-01 (PHY) INESI, GIUSEPPE, UNIVERSITY OF THE PACIFIC, 2155 WEBSTER STREET, SAN FRANCISCO, CALIF. Structure and function of sarcoplasmic reticulum.
- R01HL-15394-02 (MCHA) SCHLESSINGER, RICHARD H, UNIVERSITY OF ROCHESTER, DEPARTMENT OF CHEMISTRY, ROCHESTER, N. Y. Practical total synthesis of vincamine.
- R01HL-15399-02 (SSS) JENKINS, C DAVID, BOSTON UNIVERSITY, 720 HARRISON AVENUE, BOSTON, MASS. Behavioral factors in coronary heart disease.
- R01HL-15407-02 (CVB) GLAZIER, JON B, VETERANS ADMINISTRATION HOSP, 16111 PLUMMER STREET, SEPULVEDA, CALIF. Physiological changes and lung metabolic functions (dogs).
- R01HL-15416-02 (CVA) BRAUNWALD, EUGENE, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Cardiovascular control in normal and disease states (dogs).
- R01HL-15422-02 (PHY) FARA, JOHN W, SUNY-AT STONYBROOK, DEPT OF PHYSIOLOGY & BIOPHYSIC, STONY BROOK, N. Y. Hormonal control of mesenteric blood flow (cats).
- R01HL-15423-02 (RAD) TER-POGOSSIAN, MICHEL M, EDWARD MALLINCKRODT INSTITUTE, 510 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Regional cerebral blood volume by X-ray fluorescence (human, monkeys).
- R01HL-15425-01 (HEM) IATRIDIS, PANAYOTIS O, INDIANA UNIVERSITY, 3400 BROADWAY, GARY, IN. Role of Hageman factor in fibrinolysis (human).
- R01HL-15426-01 (PHRA) HORITA, AKIRA, UNIVERSITY OF WASHINGTON, DEPT OF PHARMACOLOGY, SH-20, SEATTLE, WASH. Cardiac monoamine oxidase (rats, human, guinea pig).
- R01HL-15427-02 (MET) SCHONFELD, GUSTAV, WASHINGTON UNIVERSITY, DEPT OF PREVENTIVE MEDICINE, ST LOUIS, MO. Secretion of plasma lipoproteins (rats).
- R01HL-15432-02 (MET) TIERNEY, DONALD F, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Lung injury and substrate utilization (rats, rabbits, dogs, guinea pigs).
- R01HL-15439-02 (SGYA) SCHUDER, JOHN C, UNIVERSITY OF MISSOURI, DEPARTMENT OF SURGERY, COLUMBIA, MO. Minimally-invasive stimulation with implanted diode (dogs).
- R01HL-15444-02 (CVB) BUCKLEY, NANCY M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, NEW YORK, N. Y. Neonatal development of adrenergic receptor mechanisms (pigs).
- R01HL-15447-02 (PHRA) DUNHAM, EARL W, UNIVERSITY OF MINNESOTA, DEPT OF PHARMACOLOGY, MINNEAPOLIS, MINN. Vascular role of prostaglandin and cyclic nucleotides (rats).
- R01HL-15448-02 (SGYB) HAGEN, PER-OTTO F, DUKE UNIVERSITY, DURHAM, N. C. Surgical and metabolic aspects of venous grafts.
- R01HL-15444-02 0001 (SGYB) HAGEN, PER-OTTO F. Surgical and metabolic aspects of venous grafts-Morphology and lipid composition (dogs).
- R01HL-15448-02 0002 (SGYB) HAGEN, PER-OTTO F. Surgical and metabolic aspects of venous grafts-Complex lipid esterification and fatty acid activation.
- R01HL-15448-02 0003 (SGYB) HAGEN, PER-OTTO F. Surgical and metabolic aspects of venous grafts-Cholesterylester synthetase and hydrolase activities (dogs, monkeys).
- R01HL-15444-02 0004 (SGYB) HAGEN, PER-OTTO F. Surgical and metabolic aspects of venous grafts-Phospholipid synthesis and localization (dogs, monkeys).
- R01HL-15444-02 0005 (SGYB) HAGEN, PER-OTTO F. Surgical and metabolic aspects of venous grafts-Lipid flux (rabbits).
- R01HL-15448-02 0006 (SGYB) HAGEN, PER-OTTO F. Surgical and metabolic aspects of venous grafts-Establishment of rhesus monkey colony.
- R01HL-15449-02 (CVB) BOINEAU, JOHN P, RANCHO LOS AMIGOS HOSPITAL, 7601 EAST IMPERIAL HIGHWAY, DOWNEY, CALIF. Mechanisms of delayed and asymmetric ventricular conduction (human, dog, monkey).
- R01HL-15454-02 (CVA) BAKER, LEE E, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Quantification of intrathoracic fluid by impedance.
- R01HL-15459-01 (SGYB) MC GOON, DWIGHT C, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Intraventricular balloon cardiac assist (calves).
- R01HL-15460-02 (BBCB) BONAVENTURA, JOSEPH, DUKE UNIVERSITY, MARINE LABORATORY, BEAUFORT, N. C. Hemoglobin system.
- R01HL-15461-02 (BBCB) WITTENBERG, JONATHAN B, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, NEW YORK, N. Y. Hemoprotein interactions-Models of sickle hemoglobin (whale, tuna, insects).
- R01HL-15462-02 (CVA) ULLRICK, WILLIAM C, BOSTON UNIVERSITY, 80 EAST CONCORD ST, BOSTON, MASS. Z-discs from heart and skeletal muscle (human, animal).
- R01HL-15467-02 (CVA) SCHRIER, ROBERT W, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Normal and abnormal regulation of sodium excretion (dogs).
- R01HL-15469-01 (AFY) DEMPSEY, JEROME A, 411 WARF BUILDING, 610 NORTH WALNUT, MADISON, WIS. Human ventilatory adaptation to moderate hypoxemia.
- R01HL-15473-01 (AFY) BIGGARD, GERALD E, UNIVERSITY OF WISCONSIN, 1655 LINDEN DRIVE, MADISON, WIS. Chemoreceptors and ventilatory control (horses).
- R01HL-15474-02 (HEM) KIRBY, EDWARD P, TEMPLE UNIVERSITY, DEPT OF BIOCHEMISTRY, PHILADELPHIA, PA. Structure and function of the antihemophilic factor (rats, cattle, dogs).
- R01HL-15476-02 (MCHA) ORTIZ DE MONTELLANO, P R, UNIVERSITY OF CALIFORNIA, SCHOOL OF PHARMACY - 947-S, SAN FRANCISCO, CALIF. Mechanism and control of sterol biosynthesis (rats, yeast).
- R01HL-15478-02 (NTN) LANGNER, RONALD O, UNIVERSITY OF CONNECTICUT, SCHOOL OF PHARMACY, STORRS, CONN. Lipid flux and collagen synthesis in atherosclerosis (rabbits).
- R01HL-15484-02 (PTHA) STEHBENS, WILLIAM E, VETERANS ADMINISTRATION HOSP, DEPARTMENT OF PATHOLOGY, ALBANY, N. Y. Aneurysms, arteriovenous fistulas and atherosclerosis.
- R01HL-15484-02 0001 (PTHA) STEHBENS WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Ultrastructure of cerebral arterial forks and intimal pads.
- R01HL-15484-02 0002 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Characteristics of renal arterial forks (rabbits).
- R01HL-15484-02 0003 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Localizing earliest lipid deposits in human arteries.
- R01HL-15484-02 0004 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Chronic arteriovenous aneurysms in rabbits.
- R01HL-15484-02 0005 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Walls of experimental aneurysms.
- R01HL-15484-02 0006 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Changes in saccular aneurysms from microvascular surgery (rabbits, sheep).
- R01HL-15484-02 0007 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Endothelial changes of chronic experimental aneurysms.
- R01HL-15484-02 0008 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Intimal tears and mural thrombosis.
- R01HL-15484-02 0009 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Arterial wall response to abnormal tortuosity and kinks.
- R01HL-15484-02 0010 (PTHA) STEHBENS, WILLIAM E. Aneurysms, arteriovenous fistulas and atherosclerosis-Ear chamber experiments (rabbits).
- R01HL-15484-02 0011 (PTHA) STEHBENS, WILLIAMS E. Aneurysms, arteriovenous fistulas and atherosclerosis-Changes in rabbit ear chambers from ultrasound.
- P01HL-15484-02 (HEP) NOSSEL, HYME L, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N. Y. Studies on thrombosis.
- P01HL-15486-02 0001 (HEP) CANFIELD, ROBERT E. Studies on thrombosis-Studies on chemistry of fibrinogen (human).
- P01HL-15486-02 0002 (HEP) BUTLER, VINCENT P, JR. Studies on thrombosis-Immunochemical studies of fibrinogen and its derivatives.
- P01HL-15486-02 0003 (HEP) NOSSEL, HYME L. Studies on thrombosis-Activation and regulation of coagulation (human).
- P01HL-15486-02 0004 (HEP) WILNER, G D. Studies on thrombosis-Thrombosis, intravascular coagulation, platelet aggregation (human, animals).
- R01HL-15490-02 (CVA) EFFROS, RICHARD M, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N. J. Red cell deformability and flow through organs (dogs, human).
- R01HL-15491-02 (HEM) ZAMMERMAN, THEODORE S, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Blood coagulation-Platelet-plasma protein interaction (human, rabbit).
- R01HL-15496-01 (SGYA) LILLEHI, RICHARD C, UNIVERSITY OF MINNESOTA HOSP, 412 UNION STREET S E, MINNEAPOLIS, MINN. Cardiac dynamics in experimental cardiogenic shock (dogs).
- R01HL-15497-02 (CVA) BARTLETT, DONALD, JR, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF PHYSIOLOGY, HANOVER, N. H. Factors affecting growth and function of lung (rats).
- R01HL-15498-02 (AFY) SCHEUER, JAMES, MONTEFIORE HOSPITAL, 111 EAST 210TH STREET, BRONX, N. Y. Effects of physical training on heart (rats).
- R01HL-15503-01 (HEM) SHEPRO, DAVID, BOSTON UNIVERSITY, 2 CUMMINGTON STREET, BOSTON, MASS. Calcium flux in platelet membrane (cattle).
- R01HL-15504-02 (NTN) KUMMEROW, FRED A, HARLAN E MOORE HEART RES FDN, 805 SOUTH OAK STREET, CHAMPAIGN, ILL. Animal model for studies of averting atherosclerosis (swine).
- R01HL-15512-02 (CVB) KRAMSCH, DIETER M, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Primate model for coronary heart disease (monkeys).
- R01HL-15514-01 (MET) FELTS, JAMES M, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Removal mechanisms and plasma lipoprotein homeostasis (rabbits, human).
- R01HL-15519-02 (CVB) GIDDENS, DON P, GEORGIA INST OF TECHNOLOGY, SCH OF AEROSPACE ENGINEERING, ATLANTA, GA. Effect of polymer additives on turbulent blood flow (dogs).
- R01HL-15520-02 (SGYA) GEYER, ROBERT P, HARVARD SCH OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Total blood replacement by fluorocarbons and polyols (rats, monkeys).
- R01HL-15522-02 (CVB) WILLERSON, JAMES T, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Influence of mannitol on ischemic cardiac muscle (dogs, cats).
- R01HL-15526-01 (CVA) WOHL, MARY E, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Respiratory mechanics in children.
- R01HL-15535-02 (BIO) LAURSEN, RICHARD A, BOSTON UNIVERSITY, 685 COMMONWEALTH AVENUE, BOSTON, MASS. Structure and function of human plasmin.
- R01HL-15552-02 (SSS) BARGER, A CLIFFORD, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Biotechnology resource in electroprobe microanalysis.
- R01HL-15556-02 (GMA) GRUNDY, SCOTT M, UNIV OF CALIF, SAN DIEGO, BASIC SCIENCE BLDG, RM 4028, LA JOLLA, CALIF. Diets and drugs affecting lipid metabolism (human).
- R01HL-15562-02 (CVB) SKINNER, NEWMAN S, JR, BOWMAN GRAY SCH OF MEDICINE, OF WAKE FOREST UNIVERSITY, WINSTON-SALEM, N. C. Regulation of skeletal muscle blood flow (dogs, cats).
- R01HL-15564-01 (CVB) FORRESTER, JOHN H, UNIVERSITY OF TENNESSEE, 101 PERKINS HALL, KNOXVILLE, TENN. Flow characteristics in simulated arterial stenosis.
- R01HL-15565-02 (CVA) WEISFELDT, MYRON L, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Ventricular relaxation in myocardial ischemia (human, dogs).
- R01HL-15566-02 (GMA) BUONASSISI, VINCENZO, MICHAEL REESE HOSPITAL, 29TH STREET & ELLIS AVE, CHICAGO, ILL. Cellular synthesis and release of mucopolysaccharides (rabbits).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HL-15571-02 (GMB) EPSTEIN, FRANKLIN H, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Water and electrolytes in health and disease (human, rats, fish).
- RO1HL-15580-02 (CVA) KADOWITZ, PHILIP J, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Humoral control of pulmonary and systemic circulation (dogs).
- RO1HL-15585-02 (PC) MAVIS, RICHARD D, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Membranous enzymes—Involvement with phospholipids (*E. coli*, rats).
- RO1HL-15593-02 (SGYA) BARTLETT, ROBERT H, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF SURGERY, IRVINE, CALIF. Prolonged extracorporeal cardiopulmonary support.
- RO1HL-15593-02 0001 (SGYA) BARTLETT, ROBERT H. Prolonged extracorporeal cardiopulmonary support—Clinical prolonged extracorporeal circulation (human).
- RO1HL-15593-02 0002 (SGYA) BARTLETT, ROBERT H. Prolonged extracorporeal cardiopulmonary support—Laboratory study of prolonged extracorporeal circulation (sheep).
- RO1HL-15593-02 0003 (SGYA) BARTLETT, ROBERT H. Prolonged extracorporeal cardiopulmonary support—Extracorporeal circulation in infants (sheep, human).
- RO1HL-15593-02 0004 (SGYA) BARTLETT, ROBERT H. Prolonged extracorporeal cardiopulmonary support—Laboratory evaluation of lung transplant rejection (sheep).
- RO1HL-15605-01 (CVA) SIMMONS, DANIEL H, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Site of airway obstruction and control of ventilation (dogs).
- RO1HL-15607-02 (CVB) HIRSCH, LEROY J, MICHAEL REESE HOSPITAL, 29TH STREET & ELLIS AVENUE, CHICAGO, ILL. Physiological control of splanchnic circulation (dogs).
- RO1HL-15613-02 (BBCB) ROSSI-BERNARDI, LUIGI, UNIVERSITY OF MILAN, VIA G. CELORIA, 2, 20133 MILAN, ITALY. Hemoglobin S and the mechanism of sickling.
- RO1HL-15614-02 (EDC) SCHULL, WILLIAM J, UNIVERSITY OF TEXAS, P. O. BOX 20367, HOUSTON, TEX. Heredity and oxygen—Effects on health of heart-lungs (Chile).
- RO1HL-15615-02 (PC) MC KEE, PATRICK A, DUKE UNIVERSITY, BOX 3390, DURHAM, N. C. Structure function of blood clotting protein (human, baboons, monkeys).
- RO1HL-15616-01 (HEM) PHILLIPS, DAVID R, ST JUDE CHILDREN'S RES HOSP, 332 NORTH LAUDERDALE, MEMPHIS, TENN. Platelet membrane proteins in aggregation (human).
- RO1HL-15619-02 (HEM) JOHNSTON, MARILYN F, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Regulation of prothrombin synthesis in cultured cells (human, rats).
- RO1HL-15620-01 (APY) ALEXANDER, A. BARNEY, CHILD ASTHMA RES INST & HOSP, 3401 WEST 19TH AVENUE, DENVER, COLO. Symptomatic treatment of asthma by relaxation.
- RO1HL-15622-01 (COM) GARFINKEL, DAVID, UNIVERSITY OF PENNSYLVANIA, MOORE SCH OF ELECTRICAL ENGR, PHILADELPHIA, PA. Computer simulation in cardiology.
- RO1HL-15623-02 (CVB) SCHEBEL, KONRAD W, UNIVERSITY OF TENNESSEE, 951 COURT AVENUE, 456 DOBBS, MEMPHIS, TENN. Coronary collateral and peripheral vasculature (dogs).
- RO1HL-15627-02 (BBCB) SCHMIDT, W. ROBERT, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. X-ray and chemical studies of metalloporphyrins.
- RO1HL-15629-02 (CVA) SCHRIER, ROBERT W, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Systemic hemodynamics and renal water excretion (human, dogs).
- RO1HL-15630-02 (HEM) COURI, DANIEL, OHIO STATE UNIVERSITY, 333 WEST TENTH AVENUE, COLUMBUS, OHIO. The pharmacology of coumarin (rats).
- RO1HL-15640-02 (MCHB) CUMMINGS, SUE C, WRIGHT STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, DAYTON, OHIO. Reactions of polydentate thiominate metal complexes.
- RO1HL-15642-01 (PTHA) ZAWACKI, BRUCE E, UNIV OF SOUTHERN CALIFORNIA, 1200 NORTH STATE STREET, LOS ANGELES, CALIF. Corticosteroids and smoke-inhalation pathology (mice).
- RO1HL-15645-02 (MBY) CASWELL, ANTHONY M, UNIVERSITY OF MIAMI, P. O. BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Fluorescence and excitation-contraction in heart (rabbits).
- RO1HL-15647-02 (HEM) JONES, JIMMY B, UNIV OF TENN MEM RES CTR-HOSP, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Hematopoietic studies of canine cyclic neutropenia.
- RO1HL-15648-02 (MET) SMITH, LOUIS C, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Lipid metabolism—Human triglyceride lipases (rabbits).
- RO1HL-15655-01 (PHY) POWER, GORDON G, LOMA LINDA UNIVERSITY, DEPTS OF PHYSIOLOGY, OBS & GYN, LOMA LINDA, CALIF. Blood flow and gas exchange in placenta and lungs (mammals, human).
- RO1HL-15659-01 (CVB) BRILLVILLE, J. WILSON, UNIVERSITY OF CALIFORNIA, DEPT OF ANESTHESIOLOGY, LOS ANGELES, CALIF. Dynamic isolation studies of control of respiration (human, computer models).
- RO1HL-15663-02 (APY) SIMONSON, ERNST, MOUNT SINAI HOSPITAL, 2215 PARK AVENUE, MINNEAPOLIS, MINN. Electrocardiographic exercise standards for women.
- RO1HL-15664-02 (CVB) SCHEUER, JAMES, MONTEFIORE HOSPITAL & MED CTR, 111 EAST 210TH STREET, BRONX, N. Y. Function and metabolism of the heart in uremia (rats, guinea pigs).
- RO1HL-15668-02 (SGYB) UPDIKE, STUART J, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Extracorporeal respiratory gas exchange—New approach.
- RO1HL-15668-02 0001 (SGYB) UPDIKE, STUART J. Extracorporeal respiratory gas exchange—New approach—Extracorporeal respiratory gas exchange (dogs).
- RO1HL-15668-02 0002 (SGYB) HILL, CHARLES. Extracorporeal respiratory gas exchange—New approach—New membrane technology for extracorporeal lung devices (dogs).
- RO1HL-15668-02 0003 (SGYB) MASSARO, THOMAS. Extracorporeal respiratory gas exchange—New approach—Long term continuous in vivo blood gas analysis (dogs).
- RO1HL-15676-02 (SGYA) SEIGEL, JOHN H, RES FDN STATE UNIV OF NEW YORK, P. O. BOX 7126, ALBANY, N. Y. The role of occult myocardial failure in human shock.
- RO1HL-15677-04 (PTHA) MATHE, ALEKSANDER A, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Autonomic nervous system function in bronchial asthma (human, guinea pig, rabbit).
- RO1HL-15679-02 (BBCB) BOBSON, RICHARD M, IOWA STATE UNIVERSITY, MUSCLE BIOLOGY GROUP, AMES, IOWA, 50010. Heart and smooth muscle contractile protein (swine, cattle, rabbits, chickens).
- RO1HL-15680-02 (PHY) TAYLOR, AUBREY E, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Intestinal secretion—capillary and tissue forces (dogs).
- RO1HL-15681-02 (CVA) FOLTS, JOHN D, CARDIOVASCULAR RESEARCH LAB, 420 NORTH CHARTER ST RM 523, MADISON, WIS. Coronary flow studies of partially obstructed vessels (dogs).
- RO1HL-15682-01 (SGYA) SUGG, WINFRED L, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Development of antithrombotic membrane oxygenators (dogs, human).
- RO1HL-15685-02 (HEM) CRONKITE, EUGENE P, BROOKHAVEN NATIONAL LABORATORY, MEDICAL DEPARTMENT, UPTON, N. Y. Erythropoietin in cultures of renal glomeruli (mice, goats).
- RO1HL-15687-05 (MBY) CARRAWAY, KERMIT L, OKLAHOMA STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, STILLWATER, OKLA. Chemical studies on cell membranes and components (cattle).
- RO1HL-15689-01 (NSS) WHISMANT, JACK P, MAYO CLINIC, 200 FIRST STREET, S. W. ROCHESTER, MINN. Ninth Princeton conference on cerebrovascular disease.
- RO1HL-15690-02 (HEM) DONALDSON, VIRGINIA H, CHILDRENS HOSPITAL RES FDN, ELLAND & BETHESDA AVENUES, CINCINNATI, OHIO. Hydrolytic enzymes of blood in health and disease (primates).
- RO1HL-15691-02 (GMB) RYAN, JAMES W, PAPANICOLAOU CANCER RES INST, 1155 NORTHWEST 14TH STREET, MIAMI, FLA. Synthesis and metabolism of vasoactive polypeptides (rabbits).
- RO1HL-15692-02 (PHY) WEBER, ANNEMARIE A, UNIVERSITY OF PENNSYLVANIA, 358 ANATOMY-CHEMISTRY BLDG, PHILADELPHIA, PA. Control of force development in heart and muscle (frogs).
- RO1HL-15694-01 (CVA) LLOYD, THOMAS C, JR, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Pulmonary vascular and left atrial baroreflexes (dogs).
- RO1HL-15696-02 (PHRA) KUO, JYH-FA, EMORY UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, ATLANTA, GA. Molecular basis of regulation of heart function (rats).
- RO1HL-15697-02 (PHRA) FREER, RICHARD J, UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Circulatory system effects of angiotensin analogs (rats).
- RO1HL-15698-08 (PHRA) WOSIJA, WALTER D, DEPT OF PHARMACOLOGY, UNIVERSITY OF MISSOURI, COLUMBIA, MO. Factors affecting the action of anticoagulants (rats, human).
- RO1HL-15706-01 (CVB) COLE, JAMES S, METHODIST HOSPITAL, 6516 BERTNER AVENUE, HOUSTON, TEX. Development of a pulsed Doppler velocity detector (human, animals).
- RO1HL-15713-01 (CVA) ZELMAN, ALLEN, MEHARRY MEDICAL COLLEGE, 1005 EIGHTEENTH AVENUE, NORTH, NASHVILLE, TENN. Blood pollution, chemotherapy, and sickle cell disease (human).
- RO1HL-15716-02 (MET) KUTCHAL, HOWARD C, UNIVERSITY OF VIRGINIA, DEPT OF PHYSIOLOGY, CHARLOTTESVILLE, VA. Sugar transport in developing heart cells (chick embryo).
- RO1HL-15722-02 (CVB) MEISELMAN, HERBERT J, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Hemorrhology studies related to in vivo blood flow (human, rabbits).
- RO1HL-15726-01 (CVA) JELLINEK, HANS H, CLARKSON COLLEGE OF TECHNOLOGY, POTSDAM, N. Y. Permeation mechanism of gases into the lung.
- RO1HL-15730-02 (HEM) NIELSESTUIN, GARY L, UNIVERSITY OF MINNESOTA, 140 GORTNER LABORATORY, ST PAUL, MINN. The carbohydrate of the blood-clotting glycoproteins (human).
- RO1HL-15732-02 (GMB) MELBY, JAMES C, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Mineralocorticoid hypertension (rats).
- RO1HL-15737-02 (SGYA) TRABER, DANIEL L, UNIVERSITY OF TEXAS, DEPT OF ANESTHESIOLOGY, GALVESTON, TEX. The nature and treatment of endotoxic shock (sheep).
- RO1HL-15738-02 (SGYA) UTLEY, JOE R, UNIVERSITY OF KENTUCKY, 800 ROSE STREET, LEXINGTON, KY. Subendocardial necrosis during cardiopulmonary bypass (dogs).
- RO1HL-15740-02 (CVA) BERNS, MICHAEL W, UNIVERSITY OF CALIFORNIA, SCHOOL OF BIOLOGICAL SCI, IRVINE, CALIF. In vitro studies on heart cell function (rats).
- RO1HL-15747-01 (HEM) CASTELLINO, FRANCIS J, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. Plasminogen isozymes and streptokinase (rats, rabbits, chickens).
- RO1HL-15755-01 (CVA) FRAYSER, REGINA, DEPT OF MEDICINE MEDICAL UNIV, OF SOUTH CAROLINA 80 BARRE ST, CHARLESTON, S. C. Experimental emphysema (dogs).
- RO1HL-15758-02 (CVB) LEVY, MATTHEW N, MT SINAI HOSPITAL, 1800 EAST 105 STREET, CLEVELAND, OHIO. Catecholamine release in the heart (dogs).
- RO1HL-15759-02 (CVB) MOE, GORDON K, MASONIC MED RES LABORATORY, BLEECKER STREET, UTICA, N. Y. Models of cardiac arrhythmias (dogs, rabbits).
- RO1HL-15764-01 (CVA) KIRCHBERGER, MADELINE A, MOUNT SINAI HOSPITAL, FIFTH AVENUE & 100TH STREET, NEW YORK, N. Y. C-AMP dependent protein kinase in cardiac contraction.
- RO1HL-15766-02 (MCHA) WEINHOLD, PAUL A, UNIVERSITY OF MICHIGAN, DEPT OF BIOLOGICAL CHEMISTRY, ANN ARBOR, MICH. Synthesis and mechanisms of membrane-active drugs.
- RO1HL-15768-02 (CVA) CHIMOSKEY, JOHN E, UNIVERSITY OF WASHINGTON, CTR FOR BIOENGINEERING, SEATTLE, WASH. Quantitative dermatology—non skin blood flow (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01HL-15771-01 (MCHA) MORRISON, JAMES D, UNIVERSITY OF NEW HAMPSHIRE, PARSONS HALL, DURHAM, N H. Amphiphilic cyclopeptides.
- R01HL-15779-01 (SGYA) CAMERON, JOHN L, JOHNS HOPKINS HOSPITAL, DEPARTMENT OF SURGERY, BALTIMORE, MD. Aspiration pneumonia-Pathophysiology and treatment (dogs).
- R01HL-15780-01 (SGYA) GREENBERG, JACK J, MOUNT SINAI MEDICAL CENTER, 4300 ALTON ROAD, MIAMI BEACH, FLA. Non-invasive evaluation of cardiac function (human).
- R01HL-15781-02 (RAD) HILAL, SADEK K, NEUROLOGICAL INSTITUTE, 710 WEST 168TH STREET, NEW YORK, N Y. Guided vascular obliteration of CNS vascular lesions (human).
- R01HL-15782-01 (HED) MARKWALD, ROGER R, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Mucopolysaccharide metabolism in cardiac anomalies (rats).
- R01HL-15787-02 (RAD) MILLER, CHARLES W, COLORADO STATE UNIVERSITY, DEPT OF PHYSIOLOGY & BIOPHYSIC, FORT COLLINS, COLO. Hemodynamics at branchpoints studied with ultrasound (swine, dogs).
- R01HL-15790-02 (EDC) MOSS, ARTHUR J, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Follow-up study of acute coronary heart attacks.
- R01HL-15791-02 (GMB) NASULETTI, ALBERTO, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH FIFTEENTH STREET, MILWAUKEE, WIS. Kinins in regulating renal function (dogs).
- R01HL-15793-02 (HEM) BROWN, RAY K, WAYNE STATE UNIVERSITY, 540 EAST CANFIELD, DETROIT, MICH. Molecular aspects of erythrocyte membrane resealing (animals).
- R01HL-15797-01 (PTHA) HAYES, KENNETH C, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Lipid metabolism and atherosclerosis in primates.
- R01HL-15798-02 (HED) FISHMAN, NOEL H, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVES, SAN FRANCISCO, CALIF. Determinants of fetal lamb cardiovascular development.
- R01HL-15802-01 (PHRA) STICKNEY, JANICE L, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, EAST LANSING, MICH. Digitalis-Mechanism of cardiac sympathetic effects (cats).
- R01HL-15805-02 (PHRA) BEVAN, JOHN A, UNIV OF CALIF, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Cerebral arterial reactivity and spasm (rabbits).
- R01HL-15808-02 (CVA) PRINTZ, MORTON P, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Role of angiotensinogen in hypertension and stroke (ra).
- R01HL-15810-01 (CVA) COHEN, JORDAN J, NEW ENGLAND MED CTR HOSPITAL, 171 HARRISON AVENUE, BOSTON, MASS. Electrolyte physiology and respiratory acid-base (dogs).
- R01HL-15811-02 (CVB) PENNINGTON, RAYMOND C, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Small vessel pathophysiology in diabetes mellitus (dogs).
- R01HL-15813-01 (SGYA) HEWITT, ROBERT L, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Cardiac anoxia-Protective effect of carbohydrates (dogs).
- R01HL-15817-02 (HEM) COLE, EDMOND R, RUSH-PRESBYTERIAN-ST LUKE'S, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Plasminogen activators from tissues (human, animals).
- R01HL-15829-01 (PHY) FORD, GEORGE D, VIRGINIA COMMONWEALTH UNIV, HEALTH SCIENCES DIVISION, RICHMOND, VA. Regulation of vascular smooth muscle contractility.
- P01HL-15832-02 (HEP) TURINO, GERARD M, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Chemical predispositions to lung injury.
- P01HL-15832-02 0001 (HEP) MANDL, INES. Chemical predispositions to lung injury-Chemical composition of lung connective tissue proteins (human).
- P01HL-15832-02 0002 (HEP) PARSHLEY, MARY S. Chemical predispositions to lung injury-Connective tissue in lung in development and repair of injury (human, rats).
- P01HL-15832-02 0003 (HEP) TURINO, GERARD M. Chemical predispositions to lung injury-Change of connective tissue structure of lung with proteolytic enzymes (rat, dog).
- P01HL-15832-02 0004 (HEP) MANDL, INES. Chemical predispositions to lung injury-Protolytic activity leucocytes in patients with obstructive lung disease.
- P01HL-15832-02 0005 (HEP) SKALAK, RICHARD. Chemical predispositions to lung injury-Pulmonary structure and stress-strain relationships (mammals).
- P01HL-15832-02 0006 (HEP) FIERER, JOSHUA A. Chemical predispositions to lung injury-Elastin and collagen in lung (human, mammals).
- P01HL-15832-02 0007 (HEP) GREENBAUM, LOWELL M. Chemical predispositions to lung injury-Inactivation of vasoactive agents by the lung (human, rat, cat, dog, guinea pig).
- P01HL-15833-01 (HEP) HARRISON, DONALD C, STANFORD UNIVERSITY, STANFORD CALIF. Pharmacologic and physiologic basis of cardiac therapy.
- P01HL-15833-01 0001 (HEP) BARRY, WILLIAM H. Pharmacologic and physiologic basis of cardiac therapy-Drug effects on heart cell in tissue culture (rats, chick embryo).
- P01HL-15833-01 0002 (HEP) BARRY, WILLIAM H. Pharmacologic and physiologic basis of cardiac therapy-Drug action on isolated embryonic avian and rat heart.
- P01HL-15833-01 0002 (HEP) HARRISON, DONALD C. Pharmacologic and physiologic basis of cardiac therapy-Drug interaction to produce synergistic or antagonistic therapeutic activity.
- P01HL-15833-01 0004 (HEP) HARRISON, DONALD C. Pharmacologic and physiologic basis of cardiac therapy-Mechanism of drug action in myocardial infarction (dogs).
- P01HL-15833-01 0005 (HEP) SCHROEDER, JOHN S. Pharmacologic and physiologic basis of cardiac therapy-Drug interaction after experimental myocardial infarction (animals).
- P01HL-15833-01 0006 (HEP) GOLDMAN, ROBERT H. Pharmacologic and physiologic basis of cardiac therapy-Mechanism of action of cardiac glycosides (dogs).
- P01HL-15833-01 0007 (HEP) SCHROEDER, JOHN S. Pharmacologic and physiologic basis of cardiac therapy-Effects of pharmacologic agents in patients undergoing cardiac catheterization.
- P01HL-15833-01 0003 (HEP) HARRISON, DONALD C. Pharmacologic and physiologic basis of cardiac therapy-Drug metabolism in postoperative cardiac surgical patients.
- P01HL-15833-01 0009 (HEP) HARRISON, DONALD C. Pharmacologic and physiologic basis of cardiac therapy-Metabolism of drugs and hemodynamic effects in myocardial infarction (human).
- P01HL-15833-01 0010 (HEP) ALDERMAN, EDWIN L. Pharmacologic and physiologic basis of cardiac therapy-Mechanisms of drug action in specific cardiac syndromes (human).
- P01HL-15833-01 0011 (HEP) BARRY, WILLIAM H. Pharmacologic and physiologic basis of cardiac therapy-Development of an experimental model for myocardial ischemia in the dog heart.
- P01HL-15833-01 0012 (HEP) HANCOCK, E. WILLIAM. Pharmacologic and physiologic basis of cardiac therapy-Quantitative circulatory effects of specific disease states in man.
- P01HL-15833-01 0013 (HEP) POPP, RICHARD. Pharmacologic and physiologic basis of cardiac therapy-Long term clinical effects of surgical treatment of cardiac disease.
- P01HL-15833-01 0014 (HEP) ALDERMAN, EDWIN L. Pharmacologic and physiologic basis of cardiac therapy-Evaluation of surgery for coronary artery diseases (human).
- P01HL-15833-01 0015 (HEP) SCHROEDER, JOHN S. Pharmacologic and physiologic basis of cardiac therapy-Changes induced in the denervated transplanted human heart.
- P01HL-15833-01 0016 (HEP) BARRY, WILLIAM H. Pharmacologic and physiologic basis of cardiac therapy-Electrophysiologic studies in patients heart block and cardiac denervation.
- P01HL-15834-02 (HEP) SWAN, HAROLD J, CEDARS-SINAI MEDICAL CENTER, 4833 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Physiologic consequences of cardiac ischemia (human, animals).
- P01HL-15835-01 (HEP) SOMLYO, ANDREW P, 51 NORTH THIRTY-NINTH STREET, PHILADELPHIA, PA. Pennsylvania Muscle Institute.
- P01HL-15835-01 0001 (HEP) WEBER, ANNEMARIE. Pennsylvania Muscle Institute-Control of contraction-relaxation of heart and muscle (rabbits, chickens).
- P01HL-15835-01 0002 (HEP) IYENGAR, M RAJA. Pennsylvania Muscle Institute-Proteins from cardiac and vascular smooth muscle (rabbits, salamanders).
- P01HL-15835-01 0004 (HEP) NACHMIAS, VIVIANNE T. Pennsylvania Muscle Institute-Actomyosin systems and cell motility (slime molds, human).
- P01HL-15835-01 0006 (HEP) PEPE, FRANK A. Pennsylvania Muscle Institute-Ultrastructural and chemical studies of muscle (rabbits, goats, chickens).
- P01HL-15835-01 0007 (HEP) LEVINE, RHEA J C. Pennsylvania Muscle Institute-Structure and function of Limulus striated and cardiac muscle.
- P01HL-15835-01 0009 (HEP) HOLTZER, HOWARD. Pennsylvania Muscle Institute-Aspects of cardiac and skeletal myogenesis (chick embryo).
- P01HL-15835-01 0010 (HEP) KELLY, ALAN M. Pennsylvania Muscle Institute-Muscle structure and reaction to injury (mice, rats, chick embryo).
- P01HL-15835-01 0011 (HEP) DAVIES, ROBERT E. Pennsylvania Muscle Institute-Energetics and mechanism of muscle contraction (frogs, rabbits).
- P01HL-15835-01 0012 (HEP) SIEGMAN, MARION J. Pennsylvania Muscle Institute-Contraction and energetics of visceral and vascular smooth muscles (rabbits).
- P01HL-15835-01 0013 (HEP) CHANCE, BRITTON. Pennsylvania Muscle Institute-Cardiac bioenergetics (rats).
- P01HL-15835-01 0018 (HEP) BIANCHI, C PAUL. Pennsylvania Muscle Institute-Pharmacology of excitation coupling in muscle (frogs, barnacles, guinea pigs).
- P01HL-15835-01 0019 (HEP) SOMLYO, ANDREW P. Pennsylvania Muscle Institute-Vascular smooth muscle-Electron microscopy, excitation coupling (rats, rabbits).
- P01HL-15835-01 0021 (HEP) SCARPA, ANTONIO. Pennsylvania Muscle Institute-Fast kinetic studies in muscle subcellular organelles (rodents, rabbits, frogs).
- P01HL-15835-01 0023 (HEP) WINEGRAD, SAUL. Pennsylvania Muscle Institute-Cellular basis of the Frank-Starling curve (frogs).
- P01HL-15835-01 0025 (HEP) CHACKO, SAMUEL. Pennsylvania Muscle Institute-Cellular biology of vascular smooth muscle (mammals).
- R01HL-15837-02 (CVB) TARAZI, ROBERT C, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Renin and cardiac hypertrophy in hypertension (rats).
- R01HL-15839-02 (GMB) CARRETERO, OSCAR A, HENRY FORD HOSPITAL, 2799 WEST GRAND BOULEVARD, DETROIT, MICH. Renal kallikrein, blood pressure and renal function (dogs, rats).
- R01HL-15840-01 (NTN) BROOKS, COY C, DEPT OF ANIMAL SCIENCES, UNIVERSITY OF HAWAII, HONOLULU, HAWAII. Sugar-induced heart lesions and vitamin K deficiency (birds, mammals subhuman).
- R01HL-15844-01 (RAD) REID, JOHN M, INST OF ENVIRONMENTAL MEDICINE, 556 18TH AVENUE, SEATTLE, WASH. Cerebrovascular system assessment by Doppler ultrasound (human).
- R01HL-15851-01 (PHRA) MELMON, KENNETH L, UNIVERSITY OF CALIFORNIA, 1089 MOFFITT HOSPITAL, SAN FRANCISCO, CALIF. Interaction of cardio and vasoactive drugs with cells.
- R01HL-15855-02 (CVA) SEAMAN, GEOFFREY V, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Rheological behavior of erythrocyte suspensions (human).
- R01HL-15857-01 (EDC) GREENBERG, ROBERT E, CHARLES DREW POSTGRAD MED SCH, 1621 EAST 119TH STREET, LOS ANGELES, CALIF. Genetic heterogeneity of hypertension.
- R01HL-15860-01 (CVB) SMITH, THOMAS W, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Imaging of normal and ischemic myocardium (dogs).
- R01HL-15872-02 (CVA) SCHERLAG, BENJAMIN J, MOUNT SINAI MEDICAL CENTER, 4300 ALTON ROAD, MIAMI BEACH, FLA. Noninvasive detection of potentials in PR segment (dogs).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HL-15873-02 (SGYB) EISEMAN, BEN, DENVER GENERAL HOSPITAL, 8TH & CHEROKEE STREET, DENVER, COLO. Respiratory assist (human, dogs, cattle, sheep).
- RO1HL-15877-01 (SGYB) WOLFE, WALTER G, DEPT OF SURGERY, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, N. C. Recovery of lung function following oxygen poisoning (dogs).
- RO1HL-15886-01 (CVB) MEIKSIN, ZVI H, UNIVERSITY OF PITTSBURGH, BENEDUM ENGINEERING HALL, PITTSBURGH, PA. Intravascular solid state thin-film pO₂ sensors.
- RO1HL-15887-01 (HEM) LAWSON, WILLIAM B, NEW YORK STATE DEPT OF HLTH, NEW SCOTLAND AVENUE, ALBANY, N. Y. Enzymes of blood coagulation and fibrinolysis (human).
- RO1HL-15888-01 (CVA) SOMMER, JOACHIM R, DUKE UNIVERSITY MED CENTER, BOX 3032, DURHAM, N. C. Comparative sterology of the myocardium (birds, mammals).
- RO1HL-15892-02 (BIO) LASKOWSKI, MICHAEL SR, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Inhibitors of proteinases (human, cattle, swine, beans).
- RO1HL-15895-01 (MET) BRESLOW, JAN L, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. In vitro study of lipoproteins in vascular disease (tissue culture).
- RO1HL-15903-01 (EDC) LYNCH, HENRY T, CREIGHTON UNIVERSITY, 2500 CALIFORNIA, OMAHA, NEBR. Hereditary progressive A-V conduction defect.
- RO1HL-15907-01 (PHRA) BROOKS, STUART M, KETTERING LABORATORY, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Steroid metabolism in patients with bronchial asthma (human).
- RO1HL-15911-02 (SOYA) ANAGNOSTOPOULOS, C E, UNIVERSITY OF CHICAGO HOSPS, 950 EAST 59TH STREET, CHICAGO, ILL. A new technique for correction of transposition (cattle, dogs).
- RO1HL-15912-02 (SGYB) ROGERS, ROBERT M, UNIVERSITY OF OKLAHOMA, 800 N E 13TH ST, BOX 26901, OKLAHOMA CITY, OKLA. Pulmonary mechanics before and after resection of bullae (human).
- RO1HL-15914-01 (HEP) MC GILL, HENRY C, JR, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Experimental atherosclerosis in baboons.
- RO1HL-15916-02 (CVA) REICHGOTT, MICHAEL J, UNIVERSITY OF PENNSYLVANIA, 34TH AND SPRUCE STREETS, PHILADELPHIA, PA. Vasoactive agents as mediators of endotoxin shock (human, mammals).
- RO1HL-15919-01 (SGYB) MATTSOON, JAMES S, UNIVERSITY OF MIAMI, DIV OF CHEMICAL OCEANOGRAPHY, MIAMI, FLA. Blood protein interactions at foreign surfaces.
- RO1HL-15930-02 (PC) MARGOLIS, SIMON, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Hormonal control of lipid and lipoprotein synthesis (rats, chickens).
- RO1HL-15947-01 (CVB) MULROW, PATRICK J, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Prostaglandins and hypertension (human, rats, dogs, monkeys).
- RO1HL-15949-01 (MET) BILHEIMER, DAVID W, U OF TEX SOUTHWEST MED SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Lipoprotein metabolism in relation to atherosclerosis (baboons, chickens, human).
- RO1HL-15958-02 (BBCB) TSERNOGLOU, DEMETRIUS, WAYNE STATE UNIVERSITY, 540 E CANFIELD, DETROIT, MICH. X-ray diffraction analysis of thrombin and neurotoxin.
- RO1HL-15963-01 (PC) LUX, SAMUEL E, 4TH, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Lipid metabolism—Plasma and membrane lipoproteins (human).
- RO1HL-15964-02 (BBCB) POSTER, JUDITH A, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Elastin structure and disease.
- RO1HL-15965-02 (NTN) RUCKER, ROBERT B, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF NUTRITION, DAVIS, CALIF. Experimental atherosclerosis and elastin metabolism (chickens).
- RO1HL-15963-02 (NTN) HERRERA, M GUILLERMO, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Dietary control of hepatic lipoproteins synthesis (gorbils).
- RO1HL-15975-01 (CVB) SHAH, VIPINCHANDRA L, UNIVERSITY OF WISCONSIN, 3200 N CRAMER STREET, MILWAUKEE, WIS. Numerical modeling of blood oxygenation units.
- RO1HL-15979-02 (PC) BAUMSTARK, JOHN S, CREIGHTON UNIVERSITY, 10TH & CASTELAR STREETS, OMAHA, NEBR. Elastase, serum inhibitors and the vasculature (human, swine).
- RO1HL-15980-02 (BBCB) CAUGHEY, WINSLOW S, COLORADO STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, FORT COLLINS, COLO. Isolation, structure and model reactions of heme A (cattle).
- RO1HL-15985-02 (PHRA) BROOKER, GARY, UNIVERSITY OF VIRGINIA, DEPT OF PHARMACOLOGY, CHARLOTTESVILLE, VA. Metabolic and hormonal control of cardiac contraction.
- RO1HL-15991-01 (PHRA) NORTON, TED R, UNIVERSITY OF HAWAII, 3675 KILAUWA AVENUE, HONOLULU, HAWAII. Evaluation of heart stimulants in sea anemones.
- RO1HL-15995-02 (PHRA) GREEN, RICHARD D, UNIVERSITY OF ILLINOIS, 901 S WOLCOTT AVE, BOX 6998, CHICAGO, ILL. Developmental aspects of autonomic receptor function (chick embryo).
- P18HL-15996-02 (SRC) GASTON, MARYLYN, CHILDREN'S HOSPITAL, ELLAND & BETHESDA AVENUE, CINCINNATI, OHIO. Cincinnati sickle cell anemia center.
- P18HL-15996-02 0001 (SRC) GRUPPO, RALPH. Cincinnati sickle cell anemia center—Coagulation mechanisms in sickle cell disease (human).
- P18HL-15996-02 0002 (SRC) STRAUSS, RONALD G. Cincinnati sickle cell anemia center—Evaluation of body defenses in sickle cell anemia (human).
- P18HL-15996-02 0003 (SRC) HUFFMAN, ANN. Cincinnati sickle cell anemia center—Use of prophylactic penicillin in the treatment of sickle cell anemia (human).
- P18HL-15996-02 0004 (SRC) HUFFMAN, ANN. Cincinnati sickle cell anemia center—School adjustment of thirty sickle cell patients.
- P18HL-15996-02 0005 (SRC) CHRISTIAN EARLY. Cincinnati sickle cell anemia center—Factors precipitating crises (human).
- P18HL-15996-02 0006 (SRC) COX EMMA. Cincinnati sickle cell anemia center—Education.
- P18HL-15996-02 0007 (SRC) GASTON, MARYLYN. Cincinnati sickle cell anemia center—Screening.
- P18HL-15997-02 (SRC) WILLIAMS, RICHARD A, MARTIN LUTHER KING JR GEN HOSP, 12021 SOUTH WILMINGTON AVENUE, LOS ANGELES, CALIF. A comprehensive hospital-community sickle cell center.
- P18HL-15997-02 0001 (SRC) SATCHER, DAVID. A comprehensive hospital-community sickle cell center—Education.
- P18HL-15997-02 0002 (SRC) SATCHER, DAVID. A comprehensive hospital-community sickle cell center—Sickle cell screening and counseling.
- P18HL-15997-02 0004 (SRC) AMADOR, ELIAS. A comprehensive hospital-community sickle cell center—Hemoglobin electrophoresis instrument.
- P18HL-15997-02 0005 (SRC) EDMONDS, S. RANDOLPH. A comprehensive hospital-community sickle cell center—Prophylactic antibiotic study in sickle cell disease (children).
- P18HL-15997-02 0006 (SRC) MILLER, MICHAEL. A comprehensive hospital-community sickle cell center—School laboratory program.
- P18HL-15997-02 0008 (SRC) LIGHTBOURNE, RONALD E. A comprehensive hospital-community sickle cell center—Sickle cell anemia information and testing service (human).
- P18HL-15997-02 0010 (SRC) VAN DE WATER, JOSEPH. A comprehensive hospital-community sickle cell center—Extracorporeal circulation in hemoglobin S (human).
- P18HL-15997-02 0011 (SRC) BOWERS, MIRION P. A comprehensive hospital-community sickle cell center—Changes in temporal bone in sickle cell disease (human).
- P18HL-15997-02 0012 (SRC) BARBEE, FRANK E. A comprehensive hospital-community sickle cell center—Pathophysiological changes within the maxilla in sickle cell disease (human).
- P18HL-15997-02 0014 (SRC) CHAN, WAN H. A comprehensive hospital-community sickle cell center—Amnioscope for prenatal detection of hemoglobinopathies (human, animals).
- P18HL-15997-02 0015 (SRC) DAVIDSON, EZRA C. A comprehensive hospital-community sickle cell center—Intrauterine growth and assessment in hemoglobinopathies (human).
- P18HL-15997-02 0017 (SRC) FISHER, CHARLES E. A comprehensive hospital-community sickle cell center—Pituitary function in sickle cell disease (human).
- P18HL-15999-02 (SRC) HARKNESS, DONALD R, SCHOOL OF MEDICINE, P O BOX 520875 BISCAYNE ANNEX, MIAMI, FLA. Miami comprehensive sickle cell center.
- P18HL-15999-02 0004 (SRC) DAVIES, JOHN E. Miami comprehensive sickle cell center—Screening and education.
- P18HL-15999-02 0005 (SRC) HARKNESS, DONALD R. Miami comprehensive sickle cell center—Sickle cell clinic.
- P18HL-15999-02 0006 (SRC) HARKNESS, DONALD R. Miami comprehensive sickle cell center—Clinical use of cyanate to treat sickle cell anemia.
- P18HL-15999-02 0008 (SRC) RATZAN, KENNETH R. Miami comprehensive sickle cell center—Cyanate effect on host defense—Cellular and humoral (human, guinea pig, rabbits).
- P18HL-15999-02 0013 (SRC) VAAMONDE, CARLOS A. Miami comprehensive sickle cell center—Renal acidification in sickle cell disorders (human).
- P18HL-15999-02 0014 (SRC) CAMERON, BRUCE F. Miami comprehensive sickle cell center—Biochemical and morphological parameters of sickle cells (human).
- P18HL-15999-02 0016 (SRC) CLAFUN, ALICE J. Miami comprehensive sickle cell center—Effects of cyanate on the immune system of the mouse.
- P18HL-15999-02 0019 (SRC) ZUCKER, ROBERT M. Miami comprehensive sickle cell center—Fatal-adult hemoglobin switch (hamsters, human, monkeys, mice).
- RO1HL-16003-04 (PHRA) TRIGGLE, DAVID J, S U N Y - AT BUFFALO, 224 HEALTH SCIENCES, BUFFALO, N. Y. Sources and rates of calcium in smooth muscle excitation.
- P18HL-16005-01 (SRC) BOWMAN, JAMES E, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Comprehensive sickle cell center of the University of Chicago.
- P18HL-16005-01 0001 (SRC) MIMS BRUCE. Comprehensive sickle cell center of the University of Chicago—Community service component.
- P18HL-16005-01 0002 (SRC) BOWMAN, JAMES E. Comprehensive sickle cell center of the University of Chicago—Phenotype variability and interaction of hemoglobins (human).
- P18HL-16005-01 0005 (SRC) GARBER, EDWARD D. Comprehensive sickle cell center of the University of Chicago—Human genetics curriculum development in jr. high and high schools (Chicago).
- P18HL-16005-01 0006 (SRC) BOWMAN, JAMES E. Comprehensive sickle cell center of the University of Chicago—Undergraduate, graduate, professional education, and international cooperation.
- P18HL-16005-01 0008 (SRC) TELFER, MARGARET C. Comprehensive sickle cell center of the University of Chicago—Evaluation of emergency room care of sickle crisis.
- P18HL-16005-01 0009 (SRC) ARCHILA, RENE A. Comprehensive sickle cell center of the University of Chicago—Cardiovascular-pulmonary dynamics in sickle cell anemia (human).
- P18HL-16005-01 0011 (SRC) ARCHER, FRANCIS L. Comprehensive sickle cell center of the University of Chicago—Pathology of sickle cell trait (human).
- P18HL-16005-01 0013 (SRC) GOLDWASSER, EUGENE. Comprehensive sickle cell center of the University of Chicago—Normal and abnormal erythropoiesis in vitro (human, mice, rats).
- P18HL-16005-01 0014 (SRC) ROCHMAN, MYMAN. Comprehensive sickle cell center of the University of Chicago—Erythropoietic stimulating factor and hemoglobin variants (human, mice).
- P18HL-16005-01 0015 (SRC) SIGLER, PAUL B. Comprehensive sickle cell center of the University of Chicago—Hemoglobin S aggregation (human).
- P18HL-16008-02 (SRC) WHITTEN, CHARLES F, CHILDREN'S HOSPITAL, 3901 BEAUBIEN BOULEVARD, DETROIT, MICH. Wayne State University comprehensive sickle cell center.
- P18HL-16008-02 0001 (SRC) PRASAD ANANDA. Wayne State University comprehensive sickle cell center—Patient care system.
- P18HL-16008-02 0002 (SRC) BREWER, GEORGE J. Wayne State University comprehensive sickle cell center—Treatment by lowering the levels of red cell DPG (human, monkeys, rats, rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P18HL-16008-02 0003 (SRC) BREWER, GEORGE J. Wayne State University comprehensive sickle cell center—Red blood cell status vs severity of disease (human).
- P18HL-16008-02 0004 (SRC) BREWER, GEORGE J. Wayne State University comprehensive sickle cell center—Glucose-6-phosphate dehydrogenase deficiency and sickle cell anemia (human).
- P18HL-16008-02 0005 (SRC) PRASAD, ANANDA. Wayne State University comprehensive sickle cell center—Trace elements and the pathogenesis of aspects of sickle cell disease (human).
- P18HL-16008-02 0006 (SRC) RUCKNAGEL, DONALD L. Wayne State University comprehensive sickle cell center—Diagnosis of alpha thalassemia in sickle cell anemia (human).
- P18HL-16008-02 0007 (SRC) RUCKNAGEL, DONALD L. Wayne State University comprehensive sickle cell center—In vivo sickling and in vitro red cell 'sickleability' (human).
- P18HL-16008-02 0008 (SRC) WHITTEN, CHARLES F. Wayne State University comprehensive sickle cell center—Cognitive, affective and behavioral effects of sickle cell trait counseling.
- P18HL-16008-02 0009 (SRC) WHITTEN, CHARLES F. Wayne State University comprehensive sickle cell center—Natural history of sickle cell anemia.
- P18HL-16008-02 0010 (SRC) ZUELZER, WOLF. Wayne State University comprehensive sickle cell center—Fetal hemoglobin (human).
- P18HL-16008-02 0011 (SRC) WHITTEN, CHARLES F. Wayne State University comprehensive sickle cell center—Education, screening, and counseling.
- RO1HL-16010-12 (PHY) WINEGRAD, SAUL, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Cellular basis of cardiac contractility (frogs).
- RO1HL-16017-01 (MCHB) FOSSLIEN, EGIL, UNIVERSITY OF MISSOURI, SCHOOL OF MEDICINE, COLUMBIA, MO. Automated hemoglobin electrophoresis.
- RO1HL-16022-01 (CVA) BELMAN, NORMAN M. RUTGERS MEDICAL SCHOOL, DEPARTMENT OF MEDICINE, PISCATAWAY, N. J. Determinants of the ventilatory response to hypoxia (goats, cats).
- RO1HL-16024-01 (MET) BROWN, MICHAEL S., UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Control of cholesterol synthesis in hyperlipidemia.
- RO1HL-16029-01 (TOX) PRYOR, WILLIAM A., LOUISIANA STATE UNIVERSITY, DEPT OF CHEMISTRY, BATON ROUGE, LA. Bio-organic chemistry of ozone, nitrogen dioxide and tobacco smoke.
- RO1HL-16031-01 (CVA) MASSARO, DONALD J., VETERANS ADMINISTRATION HOSP, 50 IRVING STREET N W, WASHINGTON, D. C. The lung lining layer—Synthesis and secretion (rats).
- RO1HL-16034-01 (CVA) YAMASHIRO, STANLEY M., UNIV OF SOUTHERN CALIFORNIA, BIOMEDICAL ENGINEERING, LOS ANGELES, CALIF. Optimal estimation of lung distribution functions (human).
- RO1HL-16036-01 (CVB) CROWELL, JACK W., UNIVERSITY OF MISSISSIPPI, 2500 N STATE STREET, JACKSON, MISS. Physiology of acute states (dogs).
- RO1HL-16037-01 (PHRA) LEFKOWITZ, ROBERT J., DUKE UNIVERSITY, MEDICAL SCIENCE BLDG 1B, DURHAM, N. C. Molecular properties of cardiac adrenergic receptors.
- RO1HL-16041-01 (CVB) MEYER, DALLAS K., UNIVERSITY OF MISSOURI, SCHOOL OF MEDICINE, COLUMBIA, MO. Myocardial circadian metabolic rhythms (rats).
- RO1HL-16044-01 (CVB) AYERS, CARLOS R., UNIVERSITY OF VIRGINIA, BOX 146, CHARLOTTESVILLE, VA. Renin secretion in renal vascular hypertension (human, dogs).
- RO1HL-16049-01 (BIO) HOEPPINGER, LYNN M., CHEMISTRY DEPARTMENT, HOPE COLLEGE, HOLLAND, MICH. Isolation and properties of bovine kidney urokinase (also human).
- RO1HL-16032-01 (CVB) AKEBA, TAI, MICHIGAN STATE UNIVERSITY, B445 LIFE SCIENCE BUILDING, EAST LANSING, MICH. Cardiac glycosides—Mechanism of inotropic action (dogs, sheep).
- RO1HL-16055-01 (CVB) TOBIN, THOMAS, MICHIGAN STATE UNIVERSITY, B-446A LIFE SCIENCES, EAST LANSING, MICH. Cardiovascular drugs and the Na/KO-ATPase (rats, guinea pigs).
- RO1HL-16056-01 (SSS) SUGIOKA, KENNETH, DEPT OF ANESTHESIOLOGY, NORTH CAROLINA MEMORIAL HOSP, CHAPEL HILL, N. C. Evaluation of acupuncture in hypertension therapy (human).
- RO1HL-16058-01 (MET) HOWARD, BARBARA V., PHILADELPHIA GENERAL HOSPITAL, 700 CIVIC CENTER BLVD, PHILADELPHIA, PA. Metabolism of lipids in cultured cells (human).
- RO1HL-16059-01 (MET) JONAS, ANA, DEPT OF BIOCHEMISTRY, UNIVERSITY OF ILLINOIS, URBANA, ILL. Structure and function of bovine serum lipoproteins.
- RO1HL-16061-01 (EDC) TYROLER, HERMAN A., UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PUBLIC HEALTH, CHAPEL HILL, N. C. Fibrinolytic response and habitual physical activity.
- RO1HL-16066-01 (CVA) HEISTAD, DONALD D., UNIVERSITY OF IOWA HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Studies on the chemoreceptor reflex (dogs).
- RO1HL-16074-01 (CVB) CROPP, GERRD J., NATIONAL ASTHMA CENTER, 3401 W 19TH AVENUE, DENVER, COLO. Exercise-induced bronchospasm (children).
- RO1HL-16076-01 (CVB) MOORE, E NEIL, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Electrophysiology of fibrillation (dogs).
- RO1HL-16032-01 (PHY) REUBEN, JOHN P., COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Tension regulation in heart and skeletal muscle.
- RO1HL-16037-01 (BBCB) LA MAR, GERRD N., UNIVERSITY OF CALIFORNIA, DEPT OF CHEMISTRY, DAVIS, CALIF. Structural and dynamic study of model heme complexes.
- RO1HL-16093-01 (BBCB) OLSON, JOHN S., RICE UNIVERSITY, DEPT OF BIOCHEMISTRY, HOUSTON, TEX. Properties of the alpha-and beta-chains in hemoglobin (human).
- RO1HL-16094-01 (CVA) FRIEDMAN, JULIUS J., INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. The dynamics of microcirculatory function (dogs).
- RO1HL-16101-01 (BBCB) GENNIS, ROBERT B., UNIVERSITY OF ILLINOIS, DEPARTMENT OF CHEMISTRY, URBANA, ILL. Protein-lipid interaction (bacteria).
- RO1HL-16102-01 (GMB) POISNER, ALAN M., UNIVERSITY OF KANSAS, 39TH & RAINBOW BOULEVARD, KANSAS CITY, KANS. Control of renin in the adrenal medulla.
- RO1HL-16111-01 (BIO) OLSON, MERLE S., UNIVERSITY OF ARIZONA, DEPT OF BIOCHEMISTRY, TUCSON, ARIZ. Integrated regulation of myocardial energy metabolism (rats, guinea pigs).
- RO1HL-16114-01 (PC) INAGAMI, TADASHI, VANDERBILT UNIVERSITY, DEPT OF BIOCHEMISTRY, NASHVILLE, TENN. Renin—Purification, characterization and assay (human, swine).
- PO1HL-16117-01 (HEP) PALMER, ROGER F., UNIVERSITY OF MIAMI, BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Ion movements and membranes in cardiovascular control.
- PO1HL-16117-01 0001 (HEP) BAERWALD, ROY J. Ion movements and membranes in cardiovascular control—Developmental studies of contractile cell junctions (rats, guinea pigs).
- PO1HL-16117-01 0002 (HEP) CASWELL, ANTHONY P. Ion movements and membranes in cardiovascular control—Fluorescence and excitation-contraction in heart (frogs).
- PO1HL-16117-01 0003 (HEP) HAYNES, DUNCAN. Ion movements and membranes in cardiovascular control—Fast kinetic study of calcium membrane interactions.
- PO1HL-16117-01 0004 (HEP) LANDOWNE, DAVID. Ion movements and membranes in cardiovascular control—Optical studies of excitation-contraction coupling (frogs).
- PO1HL-16117-01 0005 (HEP) PALMER, ROGER F. Ion movements and membranes in cardiovascular control—Properties of isolated cell membranes (rabbits, cats).
- PO1HL-16117-01 0006 (HEP) POTTER, LINCOLN T. Ion movements and membranes in cardiovascular control—Neuroreceptors and cellular excitation (fish).
- PO1HL-16117-01 0007 (HEP) PRESSMAN, BERTON C. Ion movements and membranes in cardiovascular control—Physiological and molecular properties of ionophores (dogs, rabbits).
- PO1HL-16117-01 0008 (HEP) VAN BREEMEN, CORNELIS. Ion movements and membranes in cardiovascular control—Arterial smooth muscle calcium fluxes and contractility (cattle, guinea pigs).
- PO1HL-16118-01 (HEP) PIERCE, JOHN A., WASHINGTON UNIVERSITY, 4550 SCOTT AVENUE, ST LOUIS, MO. Mechanisms in the remodelling of lung structure.
- PO1HL-16118-01 0001 (HEP) PIERCE, JOHN A. Mechanisms in the remodelling of lung structure—Structure and composition of pulmonary elastic tissue and elastin (human, cattle).
- PO1HL-16118-01 0002 (HEP) RUGHANI, INDULA. Mechanisms in the remodelling of lung structure—Cellular localization of degradative enzymes (human, cattle).
- PO1HL-16118-01 0003 (HEP) DEW, THOMAS S. Mechanisms in the remodelling of lung structure—Degradation of collagen and elastin (human, rabbits).
- PO1HL-16118-01 0004 (HEP) SENIOR, ROBERT M. Mechanisms in the remodelling of lung structure—Metabolic activity of pulmonary connective tissue (human, animals).
- PO1HL-16118-01 0005 (HEP) KUHN, CHARLES, III. Mechanisms in the remodelling of lung structure—Mechanisms of elastase emphysema (hamsters).
- PO1HL-16118-01 0006 (HEP) YU, SHIU YEH. Mechanisms in the remodelling of lung structure—Metabolism of elastin (human, rats).
- RO1HL-16119-01 (SGYB) HARRISON, DAVID E., JACKSON LABORATORY, BAR HARBOR, MAINE. Marrow allografts in hereditarily anemic recipients (mice).
- PO1HL-16126-01 (HEP) NEMERSON, YALE R., YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN 06510. Atherosclerosis, coagulation and thrombosis.
- PO1HL-16126-01 0001 (HEP) NEMERSON, YALE R. Atherosclerosis, coagulation and thrombosis—Initiation sites and mechanisms of blood coagulation (cattle).
- PO1HL-16126-01 0002 (HEP) PITLIK, FRANCES A. Atherosclerosis, coagulation and thrombosis—Structural studies of tissue factor isozymes (cattle, human).
- PO1HL-16126-01 0003 (HEP) KONIGSBERG, WILLIAM. Atherosclerosis, coagulation and thrombosis—Clotting factors related to the initiating reactions (cattle, human).
- PO1HL-16126-01 0004 (HEP) STERN, K. Atherosclerosis, coagulation and thrombosis—Vitamin K and prothrombin biochemistry and biosynthesis (cattle, human).
- PO1HL-16126-01 0005 (HEP) ENGELMAN, DONALD M. Atherosclerosis, coagulation and thrombosis—Molecular organization of atheromatous lesions (mammals).
- RO1HL-16134-01 (CVB) WEISS, HARVEY R., RUTGERS MEDICAL SCHOOL, POST OFFICE BOX, 2100, NEW BRUNSWICK, N. J. New technique for regional oxygen consumption of heart (dogs, mini-pigs).
- RO1HL-16135-01 (CVA) HOGAN, PERRY M., S U N Y - AT BUFFALO, DEPT OF PHYSIOLOGY, BUFFALO, N. Y. Mechanisms of cardiac autorhythmicity (dogs).
- PO1HL-16137-01 (HEP) SCARPELLI, EMILE M., ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Alveolar biology.
- PO1HL-16137-01 0001 (HEP) COLACICCO, GIUSEPPE. Alveolar biology—Chemical characterization of surfactant system—Lipid and lipid protein fractions.
- PO1HL-16137-01 0002 (HEP) COLACICCO, GIUSEPPE. Alveolar biology—Characterization of the surfactant system—Proteins isolation (human, rabbits).
- PO1HL-16137-01 0003 (HEP) COLACICCO, GIUSEPPE. Alveolar biology—Characterization of the surfactant system—Topology of lung proteins (rabbits).
- PO1HL-16137-01 0004 (HEP) FROSOLONO, MICHAEL F. Alveolar biology—Subcellular processes and controls in the surfactant system (animals).
- PO1HL-16137-01 0005 (HEP) ROSENBAUM, ROBERT M. Alveolar biology—Structural-functional patterns of alveolar cells and their organelles (animals).

(contd)

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01HL-16137-01 0006 (HEP) ROSENBAUM, ROBERT M. Alveolar biology-Hypolipemic agents and their effects on pulmonary epithelial organelles (rats).
 P01HL-16137-01 0007 (HEP) ROSENBAUM, ROBERT M. Alveolar biology-Phospholipid and protein synthesis in alveolar cell metabolism (animals).
 P01HL-16137-01 0008 (HEP) WITTNER, MURRAY. Alveolar biology-Macromolecular events in pulmonary cells in toxic environments (animals).
 P01HL-16137-01 0009 (HEP) COLACICCO, GIUSEPPE. Alveolar biology-Physicochemical properties of the surfactant system-Individual components.
 P01HL-16137-01 0010 (HEP) COLACICCO, GIUSEPPE. Alveolar biology-Physicochemical properties of the surfactant system-Lipid protein systems.
 P01HL-16137-01 0011 (HEP) CONDORELLI, SALVATORE. Alveolar biology-Pathology of alveoli and the surfactant system-Chemistry and biosynthesis.
 P01HL-16137-01 0012 (HEP) CONDORELLI, SALVATORE. Alveolar biology-Pathology of alveoli and the surfactant-Fetal pulmonary fluid.
 P01HL-16137-01 0013 (HEP) CONDORELLI, SALVATORE. Alveolar biology-Developmental biology and pathology of the surfactant-Formation of alveolar.
 P01HL-16137-01 0014 (HEP) CONDORELLI, SALVATORE. Alveolar biology-Pathology of alveoli and the surfactant-Fetal distress (sheep).
 R01HL-16148-01 (SGYA) SCHULTZ, RAYMOND G, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Neural control of renal function (dogs).
 R01HL-16149-01 (CVA) MARK, ALLYN L, UNIVERSITY OF IOWA HOSPITALS, DEPT OF INTERNAL MEDICINE, IOWA CITY, IOWA. Ventricular baroreceptors in circulatory control (dogs).
 R01HL-16150-01 (HBM) MANN, KENNETH G, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Primary structure of prothrombin (cattle, human).
 R01HL-16152-01 (CVA) MORAD, MARTIN, UNIVERSITY OF PENNSYLVANIA, 37TH AND HAMILTON WALK, PHILADELPHIA, PA. Electrophysiology of prenatal to adult mammal and frog heart.
 R01HL-16154-01 (SGYA) ZAPOL, WARREN M, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Membrane lung perfusion for acute respiratory failure (sheep, monkeys, human).
 R01HL-16157-01 (PHY) KOOYMAN, GERALD L, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Airway structure and lung function.
 R01HL-16158-01 (CVB) HADDY, FRANCIS J, MICHIGAN STATE UNIVERSITY, GILTNER HALL, EAST LANSING, MICH. Potassium and sodium effects on the working heart (dogs, guinea pigs).
 R01HL-16164-01 (BBCA) CHAN, SHUNG K, UNIVERSITY OF KENTUCKY, DEPARTMENT OF BIOCHEMISTRY, LEXINGTON, KY. Structure of α -antitrypsin in relation to emphysema.
 R01HL-16177-01 (CVB) MC LAUGHLIN, ROBERT J, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Contractile and elastic properties of cardiac muscle (cats).
 R01HL-16179-01 (PHRA) HURWITZ, LEON, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N MEX. Action of vascular and other smooth muscle inhibitors.
 R01HL-16182-01 (SGYA) NICOLOFF, DEMETRE M, UNIVERSITY OF MINNESOTA, BOX 280 MAYO, MINNEAPOLIS, MINN. Xylocaine-Chronic infusion and toxicity (dogs).
 R01HL-16190-01 (HBM) FALIK, JURI, CENTER FOR BLOOD RESEARCH, 110 FRANCIS STREET, BOSTON, MASS. Effects of prostaglandins on human erythrocytes.
 R01HL-16193-01 (HED) DOUGLAS, BEN H, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS. Blood pressure, electrolyte regulation in pregnancy (rabbits, rats).
 R23HL-16195-01 (SRC) HEINEKEN, FREDERICK G, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Oxygen exchange with blood in capillaries.
 R01HL-16198-01 (HBM) OTIS, PETER F, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, IRVINE, CALIF. Mechanism of fibrinogen synthesis (rabbits).
 R01HL-16200-01 (MET) FERRELL, WILLIAM J, UNIVERSITY OF MICHIGAN, DEPARTMENT OF PATHOLOGY, ANN ARBOR, MICH. Aldehydic lipids and thioethers in human heart.
 R01HL-16201-01 (HBM) WILEY, JAMES S, HOSP-UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Regulation of cell volume in disease states (human).
 R01HL-16205-01 (MCHB) FBLTHAM, ROBERT D, UNIVERSITY OF ARIZONA, DEPT OF CHEMISTRY, TUCSON, ARIZ. Control of reactions of coordinated ligands.
 R01HL-16206-01 (CVB) DE PALMA, RALPH G, UNIVERSITY HOSPITALS, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Atherosclerotic plaque dynamics in non-human primates (monkeys, dogs).
 R01HL-16207-01 (MCHA) TURCOTTE, JOSEPH G, LOWER COLLEGE ROAD, KINGSTON, R I. Synthesis of phospholipid lung surfactant.
 R01HL-16216-01 (CVA) WU, WEN-HSIEN, WEST VIRGINIA UNIVERSITY, DEPT OF ANESTHESIOLOGY, MORGANTOWN, W VA. Pathophysiology of vasopressin in man (and rabbits).
 R01HL-16217-01 (HBM) STOHLMAAN, FREDERICK, JR, ST ELIZABETH'S HOSPITAL, 736 CAMBRIDGE STREET, BRIGHTON, MASS. O₂ dissociation curve and erythropoietin production (human, rats, mice).
 R01HL-16218-01 (RAD) JACOBS, JOHN E, NORTHWESTERN UNIVERSITY, 2145 SHERIDAN ROAD, EVANSTON, ILL. Time delay acoustic spectroscopy in lung disease (human).
 R01HL-16233-01 (CVB) BONILLA, CARLOS A, COLORADO STATE UNIVERSITY, DEPT OF PHYSIO & BIOPHYSICS, FORT COLLINS, COLO. A non-surgical model for cardiogenic shock (dogs).
 R01HL-16234-01 (CVB) VEASY, L GEORGE, PRIMARY CHILDREN'S HOSPITAL, 320 12TH AVENUE, SALT LAKE CITY, UTAH. Thermolization for monitoring shunts in neonates (human, sheep).
 R01HL-16236-01 (CVA) SMITH, C ROGER, OHIO STATE UNIVERSITY, 1900 COFFEY ROAD, COLUMBUS, OHIO. Wall shear stresses in coronary vessels (horses).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01HL-16237-01 (CVA) BING, OSCAR H, BOSTON CITY HOSPITAL, 818 HARRISON AVE, BOSTON, MASS. Computer feedback study of cardiac muscle mechanics (rats).
 R01HL-16238-01 (HEM) MAGNUSSON, STAFFAN M, AARHUS UNIVERSITET, INST FOR MOLEKYLAR BIOLOGI, DK-8000 ARHUS C, DENMARK. Blood coagulation primary structure of prothrombin (bovine).
 R01HL-16239-01 (CVA) MEYER, JOHN R, UNIVERSITY OF LOUISVILLE, 500 SOUTH PRESTON STREET, LOUISVILLE, KY. Carotid body control of ventilation (cats).
 R01HL-16240-01 (CVB) HUGHES, MAYSIE J, TEXAS TECH UNIVERSITY, P O BOX 4569, LUBBOCK, TEX. Histamine action on heart muscle and its receptors (rabbits, guinea pigs).
 R01HL-16244-01 (CVA) HOLLOWAY, LEWIS S, JR, TEXAS TECH UNIVERSITY, P O BOX 4569, LUBBOCK, TEX. Role of the central nervous system in septic shock (dogs).
 R01HL-16246-01 (SGYA) ENGLE, MARY ALLEN E, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Neurologic studies in postpericardiotomy syndrome.
 R01HL-16247-01 (CVA) RHOADES, RODNEY A, PENNSYLVANIA STATE UNIVERSITY, 103 HUMAN PERFORMANCE BLDG, UNIVERSITY PARK, PA. Factors influencing substrate uptake by the lung (rats).
 P01HL-16251-01 (HEP) SINGER, THOMAS P, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT ST, BLDG 12, SAN FRANCISCO, CALIF. Membrane-bound enzymes in heart and other tissues.
 P01HL-16251-01 0001 (HEP) KENNEY, WILLIAM C. Membrane-bound enzymes in heart and other tissues-Structure of covalently bound flavins (bacteria, plants).
 P01HL-16251-01 0002 (HEP) KENNEY, WILLIAM C. Membrane-bound enzymes in heart and other tissues-Structural basis of regulation of cardiac succinate dehydrogenase.
 P01HL-16251-01 0003 (HEP) KEARNEY, EDNA B. Membrane-bound enzymes in heart and other tissues-Regulation of succinate dehydrogenase (mammals).
 P01HL-16251-01 0004 (HEP) KEARNEY, EDNA B. Membrane-bound enzymes in heart and other tissues-Biosynthesis and degradation of succinate dehydrogenase, histidyl (yeast, mammal).
 P01HL-16251-01 0005 (HEP) SALACH, JAMES I. Membrane-bound enzymes in heart and other tissues-Monamine oxidase.
 P01HL-16251-01 0006 (HEP) SALACH, JAMES I. Membrane-bound enzymes in heart and other tissues-Glycerophosphate dehydrogenase.
 P01HL-16251-01 0007 (HEP) SINGER, THOMAS P. Membrane-bound enzymes in heart and other tissues-Flavins and flavoproteins.
 P01HL-16251-01 0008 (HEP) SINGER, THOMAS P. Membrane-bound enzymes in heart and other tissues-Iron-sulfur centers and modulation of succinate dehydrogenase.
 P01HL-16251-01 0009 (HEP) SINGER, THOMAS P. Membrane-bound enzymes in heart and other tissues-DPNH dehydrogenase and site I of oxidative phosphorylation (yeast).
 P01HL-16251-01 0010 (HEP) SINGER, THOMAS P. Membrane-bound enzymes in heart and other tissues-Reversible activation of L-amino acid oxidase (snakes).
 P01HL-16251-01 0011 (HEP) ZAKIM, DAVID. Membrane-bound enzymes in heart and other tissues-Membrane phospholipids on kinetics of membrane bound enzymes (rats).
 P01HL-16251-01 0012 (HEP) ZAKIM, DAVID. Membrane-bound enzymes in heart and other tissues-Chemical, physical basis for protein-lipid interactions in microsomal membranes.
 P01HL-16251-01 0013 (HEP) ZAKIM, DAVID. Membrane-bound enzymes in heart and other tissues-Functional capacity of membrane-bound enzymes (rats, squirrels).
 P01HL-16251-01 0014 (HEP) ZAKIM, DAVID. Membrane-bound enzymes in heart and other tissues-Multiplicity of glucuronyltransferase.
 P01HL-16251-01 0015 (HEP) ZAKIM, DAVID. Membrane-bound enzymes in heart and other tissues-Purification of microsomal glucuronyltransferase and glucose-6-phosphatase (rats).
 R13HL-16252-01 (CVB) HOLMES, WILLIAM L, LANCKENAU HOSPITAL, LANCASTER AND CITY LINE AVES, PHILADELPHIA, PA. Third international symposium on atherosclerosis (Germany).
 R01HL-16253-01 (CVA) KWAAN, MAU C, VETERANS ADMINISTRATION HOSP, 333 EAST HURON STREET, CHICAGO, ILL. New techniques in diagnosis and detection of thrombi (human).
 R01HL-16254-01 (CVB) SMITH, LYNNWOOD S, UNIVERSITY OF WASHINGTON, FISHERIES RESEARCH INSTITUTE, SEATTLE, WASH. Pathogenesis of bubble and clot formation (fish).
 R01HL-16255-01 (PTHA) HOUGHIE, CECIL, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF PATHOLOGY, LA JOLLA, CALIF. Arterial lesions and thromboembolism (salmon).
 R01HL-16256-01 (CVA) CALDINI, PAOLO, 721 HUNTINGTON AVENUE, BOSTON, MASS. Respiratory mechanics in hemodynamics pulmonary edema (dogs).
 R01HL-16260-01 (CVA) GRAMIAK, RAYMOND, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Development of clinical ultrasound cinecardiography.
 R01HL-16262-01 (RAD) REBA, RICHARD C, WASHINGTON HOSPITAL CENTER, 110 IRVING STREET, N W, WASHINGTON, D C. Synthesis of molecules for myocardial imaging.
 R01HL-16264-01 (PHRA) MENZEL, DANIEL B, DUKE UNIVERSITY, DEPT OF PHYSIOLOGY & PHARM, DURHAM, N C. Role of inflammatory hormones in chronic lung disease.
 R01HL-16269-01 (SGYB) BERNSTEIN, EUGENE F, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Prolonged pulseless total body perfusion (calves).
 R01HL-16271-01 (HBM) PEDORKO, MARTHA E, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Biology of bone marrow cells-megakaryocytes (mice, guinea pigs).
 R01HL-16276-01 (CVA) THAEMERT, JONA C, HEKTOEN INST FOR MEDICAL RES, 637 S WOOD STREET, CHICAGO, ILL. Ultrastructure of the conduction system of the heart.
 R01HL-16278-01 (BBCB) BUCCI, ENRICO, UNIV OF MARYLAND SCH OF MED, 660 W REDWOOD STREET, BALTIMORE, MD. Allosteric interactions of human hemoglobin.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1HL-16280-01 (HEM) WOOD, STEPHEN C, SOUTHERN ILLINOIS UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, EDWARDSVILLE, ILL. Regulation of respiratory function in nucleated red cell (fish, reptiles, birds).
- RO1HL-16283-01 (PHRA) ROBERTS, JAY, MED COLLEGE OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Pharmacologic studies of coronary occlusion arrhythmias.
- RO1HL-16290-01 (SGYB) IMPARATO, ANTHONY M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Intimal fibroplasia after arterial reconstructions (dogs).
- RO1HL-16292-01 (SGYA) MALONEY, JAMES V, JR, UNIVERSITY OF CALIFORNIA, DIV OF THORACIC SURGERY, LOS ANGELES, CALIF. Surgery and non-obstructive coronary insufficiency.
- RO1HL-16292-01 0001 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Ventricular fibrillation during heart-lung bypass-Hypertrophied hearts (dogs).
- RO1HL-16292-01 0002 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Ventricular fibrillation in hypertrophied hearts-Effects of hypothermia (dogs).
- RO1HL-16292-01 0003 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Ventricular fibrillation during heart-lung bypass-Failure and ischemia (dogs).
- RO1HL-16292-01 0004 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Effects of ventricular distention on subendocardial perfusion (dogs).
- RO1HL-16292-01 0005 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Cause of papillary muscle dysfunction (dogs).
- RO1HL-16292-01 0006 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Myocardial failure after pulmonary shunt (dogs).
- RO1HL-16292-01 0007 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Cause of right ventricular failure in congenital heart disease.
- RO1HL-16292-01 0008 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-High output cardiac failure-Myocardial ischemia with anemia (dogs).
- RO1HL-16292-01 0009 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Chronic anemia-Adaptive mechanisms of myocardial oxygen delivery (dogs).
- RO1HL-16292-01 0010 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Subendocardial ischemia with exercise-Effects of training (dogs).
- RO1HL-16292-01 0011 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Extracoronary collateral circulation (dogs).
- RO1HL-16292-01 0012 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Coronary hemodynamics-metabolism during cardiopulmonary bypass (human).
- RO1HL-16292-01 0013 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Myocardial histochemistry (human).
- RO1HL-16292-01 0014 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Effects of tangential clamping of ascending aorta (human).
- RO1HL-16292-01 0015 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Correlation of indices with catheterization lab finding (human).
- RO1HL-16292-01 0016 (SGYA) MALONEY, JAMES V JR. Surgery and non-obstructive coronary insufficiency-Mathematical model of determinants of coronary flow.
- RO1HL-16294-01 (MET) WATSON, JOHN A, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Effectors of cholesterol synthesis.
- RO1HL-16296-01 (HEM) POLUHOWICH, JOHN J, UNIVERSITY OF BRIDGEPORT, DANA HALL OF SCIENCE, BRIDGEPORT, CONN. Oxygenation properties of multiple hemoglobins (eel).
- RO1HL-16307-01 (CVB) CASE, ROBERT B, ST LUKE'S HOSPITAL CENTER, AMSTERDAM AVENUE AT 114TH ST, NEW YORK, N. Y. Control of coronary flow by carbon dioxide tension (dogs).
- RO1HL-16311-01 (CVB) EGGLTON, REGINALD C, INTERSCIENCE RESEARCH INST, 410 BEAUTY AVENUE, ROOM 144, INDIANAPOLIS, IND. Microscopic evaluation of cardioactive drugs in vitro (mice).
- RO1HL-16315-01 (CVA) SCHRAMM, LAWRENCE P, JOHNS HOPKINS UNIVERSITY, TRAYLOR BUILDING, ROOM 223, BALTIMORE, MD. Analysis of interaction between CNS vasomotor systems (cats, monkeys).
- RO1HL-16318-16 (PHRA) HOKIN, LOWELL E, UNIVERSITY OF WISCONSIN, 383 MEDICAL SCIENCE BUILDING, MADISON, WIS. Biochemistry of NaK ATPase and cardioactive drugs.
- RO1HL-16320-02 (PHRA) ERDOS, ERVIN G, UNIVERSITY OF TEXAS, 5323 HARRY HINES BLVD, DALLAS, TEX. Vasoactive peptides which stimulate smooth muscles.
- RO1HL-16320-02 0001 (PHRA) ERDOS, ERVIN, G. Vasoactive peptides which stimulate smooth muscles-Evolution of plasma kinin system (animals).
- RO1HL-16320-02 0002 (PHRA) ERDOS, ERVIN G. Vasoactive peptides which stimulate smooth muscles-Angiotensinase C (rats, human).
- RO1HL-16320-02 0003 (PHRA) ERDOS, ERVIN G. Vasoactive peptides which stimulate smooth muscles-Kinase-converting enzyme (rats).
- RO1HL-16320-02 0004 (PHRA) ERDOS, ERVIN G. Vasoactive peptides which stimulate smooth muscles-Assaying angiotensinase C and converting enzyme.
- RO1HL-16320-02 0005 (PHRA) ERDOS, ERVIN G. Vasoactive peptides which stimulate smooth muscles-Coupling enzymes with water-insoluble carriers.
- R13HL-16323-01 (NSS) ASKARI, AMIR, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Properties and functions of NaO, KO-ATPase.
- RO1HL-16325-01 (CVA) KRONAUER, RICHARD E, HARVARD UNIVERSITY, 324 PIERCE HALL, CAMBRIDGE, MASS. Breathing patterns in man.
- RO1HL-16327-01 (PTHA) BAUMAN, DAVID S, UNIVERSITY OF KENTUCKY, DEPT OF COMMUNITY MEDICINE, LEXINGTON, KY. Immunologic mechanism of pulmonary cavitation (rhesus monkeys).
- RO1HL-16328-02 (CVA) HERMSMEYER, R KONT, UNIVERSITY OF IOWA, DEPARTMENT OF PHARMACOLOGY, IOWA CITY, IOWA. Membrane electrical properties of vascular muscle (human, animals).
- RO1HL-16329-02 (SGYB) JARMAKANI, MOUJAZZA M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, LOS ANGELES, CALIF. Cardiac surgical effects on heart function in infants (human).
- RO1HL-16330-02 (CVB) EVANS, MICHAEL J, STANFORD RESEARCH INSTITUTE, 333 RAVENWOOD AVENUE, MENLO PARK, CALIF. Aging-tissue injury and repair.
- RO1HL-16334-02 (PHRA) GAFFNEY, THOMAS E, UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Drugs affecting adrenergic circulatory mechanisms (human, dogs).
- RO1HL-16336-01 (CVA) GOSS, RICHARD J, BROWN UNIVERSITY, DIV OF BIOLOG & MED SCIENCES, PROVIDENCE, RI. Compensatory pulmonary hypertrophy (rats).
- RO1HL-16346-05 (HEM) LORAND, LASZLO, NORTHWESTERN UNIVERSITY, DEPARTMENT OF CHEMISTRY, EVANSTON, ILL. Automated fluorescence tests for blood clotting (human).
- RO1HL-16348-01 (PHY) WOODBURY, J WALTER, UNIVERSITY OF UTAH, 4C202 UNIVERSITY MEDICAL CTR, SALT LAKE CITY, UTAH. Ion transport thru membranes and cell acid-base state.
- RO1HL-16353-02 (PHRA) BECK, LLOYD, UNIVERSITY OF MINNESOTA, DEPARTMENT OF PHARMACOLOGY, DULUTH, MINN. Pharmacologic evaluation of neurovascular dilation.
- RO1HL-16354-01 (SGYA) YELLIN, EDWARD L, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Hemodynamic effects of aortic balloon pumping (dogs).
- RO1HL-16355-01 (HEM) DETWILER, THOMAS C, S U N Y - DOWNSTATE MED CENTER, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Reactions of thrombin and collagen with platelets.
- RO1HL-16363-01 (MET) JONES, ALBERT L, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Hypolipemic drug study-Ultrastructure and chemistry.
- RO1HL-16354-01 (MET) PORTER, JOHN W, UNIVERSITY OF WISCONSIN, 1215 LINDEN DRIVE, MADISON, WIS. Regulation of lipid biosynthesis and transport.
- RO1HL-16364-01 0001 (MET) PORTER, JOHN W. Regulation of lipid biosynthesis and transport-Hormonal regulation of HMG-CoA reductase (rats).
- RO1HL-16364-01 0002 (MET) PORTER, JOHN W. Regulation of lipid biosynthesis and transport-Hormonal regulation of lipoproteins and fatty acid synthetase biosynthesis.
- RO1HL-16364-01 0003 (MET) PORTER, JOHN W. Regulation of lipid biosynthesis and transport-Genetic basis of hormone mediated regulation (rats).
- RO1HL-16364-01 0004 (MET) PORTER, JOHN W. Regulation of lipid biosynthesis and transport-Transport of lipids in aorta (swine, rabbits).
- RO1HL-16364-01 0005 (MET) PORTER, JOHN W. Regulation of lipid biosynthesis and transport-Lipid membrane components of normal and atherosclerotic aorta.
- RO1HL-16367-01 (CVA) PENNEY, DAVID G, UNIVERSITY OF ILLINOIS, DEPT OF BIOLOGICAL SCIENCES, CHICAGO, ILL. Carbon monoxide-Chronic effects on heart (rats).
- RO1HL-16376-01 (CVA) FEIGL, ERIC O, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Coronary circulation control (dogs).
- RO1HL-16385-01 (PTHA) CHVAPIL, MILOŠ, ARIZONA MEDICAL CENTER, DEPT OF SURGERY, TUCSON, ARIZ. Lipid peroxidation, metals in vessel wall injury (rabbit, chicken, human, dog).
- PO1HL-16387-01 (HEP) SPAET, THEODORE H, MONTEFIORE HOSP & MED CENTER, 111 EAST 210TH STREET, BRONX, N. Y. The blood vessel and thrombogenesis (human, mammals).
- RO1HL-16389-01 (SGYA) BRAUNWALD, NINA S, CHILDRENS HOSPITAL, DEPARTMENT OF CARDIAC SURGERY, BOSTON, MASS. Development of prosthetic heart valves for children (monkeys, dogs).
- RO1HL-16390-01 (AFY) GRODINS, FRED S, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Cardiopulmonary control coupling in exercise (dogs).
- RO1HL-16394-01 (CVB) FREEDY, JOHN R, EMORY UNIVERSITY, 69 BUTLER STREET, S E, ATLANTA, GA. Estrogens and the fluid retention of heart failure (human, dogs).
- RO1HL-16403-01 (EDC) DOYLE, JOSEPH T, ALBANY MEDICAL COLLEGE, NEW SCOTLAND AVENUE, ALBANY, N. Y. Prognostication by computer-Analyzed vectorcardiogram (human).
- RO1HL-16407-01 (PTHA) RYAN, UNA S, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. Cell biology of the alveolar capillary unit (rats, hamsters).
- RO1HL-16409-01 (CVA) LEVINE, O ROBERT, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N. J. Pulmonary capillary permeability in immature animals (swine, dogs).
- R13HL-16410-01 (PHY) COSTANTIN, LEROY L, WASHINGTON UNIVERSITY, 660 S EUCLID AVE, ST LOUIS, MO. Gordon conference on cardiac and skeletal muscle.
- PO1HL-16411-01 (HEP) MULLER-EBERHARD, HANS J, SCRIPPS CLINIC AND RES FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. Blood systems in coagulation and vessel disease.
- PO1HL-16411-01 0001 (HEP) MULLER-EBERHARD, HANS J. Blood systems in coagulation and vessel disease-Molecular studies of the role of complement in blood coagulative (human, rabbits).
- PO1HL-16411-01 0002 (HEP) COCHRANE, CHARLES G. Blood systems in coagulation and vessel disease-Early stages of coagulation and cardiovascular disease (human, rabbits).
- PO1HL-16411-01 0003 (HEP) EDGINGTON, THOMAS S. Blood systems in coagulation and vessel disease-Molecular events involving the late stages of coagulation (rabbits).
- PO1HL-16411-01 0004 (HEP) HENSON, PETER M. Blood systems in coagulation and vessel disease-Platelets reactions in vascular injury (human, animals).
- PO1HL-16411-01 0005 (HEP) HUGLI, TONY E. Blood systems in coagulation and vessel disease-Chemical analysis of serum components associated with coagulation (human, animal).
- PO1HL-16411-01 0006 (HEP) ZIMMERMAN, THEODORE S. Blood systems in coagulation and vessel disease-Factor VII-Immunochemistry and immunobiology (human, mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01HL-16412-01 (CVB) FOX, ARTHUR C, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Adenosine and the regulation of coronary flow (human, dogs).
- R01HL-16417-01 (PHY) LARIS, PHILIP C, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL SCIENCES, SANTA BARBARA, CALIF. Extrinsic fluorescence and membrane potentials.
- R01HL-16418-01 (CVB) JORGENSEN, CHARLES R, UNIVERSITY OF MINNESOTA, BOX 79 - MAYO BUILDING, MINNEAPOLIS, MINN. Adenosine as an indicator of cardiac ischemia in man.
- R01HL-16421-04 (HEM) LA CELLE, PAUL L, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Determinants of RBC deformability and capillary flow (human).
- R01HL-16433-01 (CVB) SEN, SUBHA, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Isolation of a hypertensive compound from human urine.
- R01HL-16436-01 (CVA) HESS, MARILYN E, UNIVERSITY OF PENNSYLVANIA, DEPT OF PHARMACOLOGY, PHILADELPHIA, PA. Role of calcium and thyroxine in heart function (rats).
- R01HL-16437-01 (PHRA) HOLLANDER, WILLIAM, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Drug treatment of atherosclerosis (rabbits, monkeys).
- R01HL-16438-01 (CVA) BACHE, ROBERT J, VETERANS ADMINISTRATION HOSP, ROOM C-5015, DURHAM, N. C. The coronary vascular response to ischemia (dogs).
- R01HL-16443-01 (HEM) NANNINGA, LUDDO B, UNIVERSITY OF TEXAS, DEPARTMENT OF PHYSIOLOGY, GALVESTON, TEX. Plasma inhibitor of profibrinolysis activation.
- R01HL-16445-01 (HEM) FULLER, GERALD M, UNIVERSITY OF TEXAS, DIVISION OF HUMAN GENETICS, GALVESTON, TEX. Regulation of fibrinogen biosynthesis (human, rats).
- R01HL-16449-01 (CVB) QUEST, M MASON, UNIVERSITY OF TEXAS MED BRANCH, DEPT OF PHYSIOLOGY, GALVESTON, TEX. Microcirculation, hemofuidity and hemostasis (dogs).
- R01HL-16457-01 (MET) SLAKY, LINDA L, UNIVERSITY OF MASSACHUSETTS, DEPT OF BIOCHEMISTRY, AMHERST, MASS. Biosynthesis and modification of fatty acids in aorta (human, swine).
- R01HL-16461-01 (EDC) STARR, ALBERT, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Late results of valve replacement-Computer analysis (human).
- R01HL-16463-01 (CVA) INGRAM, ROLAND H, JR, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Chronic obstructive pulmonary disease (human, dogs).
- R01HL-16464-01 (MCHA) PIANTADOSI, CLAUDE, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, N. C. Synthesis and study of hypolipidemic agents (mice, rats).
- R01HL-16466-01 (HEB) ROSENQUIST, GLENN C, JOHNS HOPKINS HOSPITAL, CMSC 6-122, BALTIMORE, MD. Histogenesis and biochemistry of embryonic lung (chickens).
- R01HL-16471-01 (MCHA) STORK, GILBERT, COLUMBIA UNIVERSITY, BOX 666, HAVEMEYER HALL, NEW YORK, N. Y. Cardioactive allyloxyamines and related indole alkaloids.
- R01HL-16474-01 (MCHB) FRIEDMAN, HAROLD L, S U N Y - AT STONY BROOK, DEPARTMENT OF CHEMISTRY, STONY BROOK, N. Y. Antibiotic-ion interactions.
- R01HL-16476-01 (SGYA) VEITH, FRANK J, MONTEFIORE HOSPITAL, 111 EAST 210 STREET, NEW YORK, N. Y. Experimental lung transplantation (dogs, foxes).
- R01HL-16478-01 (CVB) FROHLICH, EDWARD D, UNIVERSITY OF OKLAHOMA, POST OFFICE BOX 26901, OKLAHOMA CITY, OKLA. Hemodynamic relations to metabolism in hypertension.
- R01HL-16478-01 0001 (CVB) PFEFFER, MARC A. Hemodynamic relations to metabolism in hypertension-Hemodynamic and myocardial functional studies in the SHR.
- R01HL-16478-01 0002 (CVB) HODGINS, DANIEL S. Hemodynamic relations to metabolism in hypertension-Cardiac cyclic AMP related systems in hypertensive rats.
- R01HL-16478-01 0003 (CVB) FROHLICH, EDWARD D. Hemodynamic relations to metabolism in hypertension-Cardiac output and organ blood flow in hypertension (rats).
- R01HL-16478-01 0004 (CVB) WEISS, A KURT. Hemodynamic relations to metabolism in hypertension-Development of labile hypertension and comparison of aging process (rats).
- R01HL-16478-01 0005 (CVB) MANDAL, ANIL K. Hemodynamic relations to metabolism in hypertension-Renal medullary interstitial cell in spontaneous hypertension.
- R01HL-16478-01 0006 (CVB) STITH, REX D. Hemodynamic relations to metabolism in hypertension-Hypertensive isotope and immunoassay laboratory.
- R01HL-16482-01 (CVA) LIN, YU-CHONG, UNIVERSITY OF HAWAII, 1960 EAST WEST RD, BIOMED T612, HONOLULU, HAWAII. Cardiovascular effects of respiring He-O2 mixtures (rats, dogs).
- R01HL-16483-01 (CVB) BLAINE, EDWARD H, UNIVERSITY OF PITTSBURGH, DEPT OF PHYSIOLOGY, PITTSBURGH, PA. Relation of renal endocrine function to hypertension (dogs, sheep).
- R01HL-16484-01 (RAD) AMPLATZ, KURT, UNIVERSITY OF MINNESOTA HOSPS, DEPT OF RADIOLOGY, MINNEAPOLIS, MINN. Radiographic ventriculometry for coronary heart disease (human).
- R01HL-16487-01 (EAD) PRYOR, T ALLAN, LATTER-DAY SAINTS HOSPITAL, 325 8TH AVENUE, SALT LAKE CITY, UTAH. Computer controlled two dimensional echocardiography.
- R01HL-16489-01 (CVB) OATES, JOHN A, VANDERBILT UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, NASHVILLE, TENN. Renal prostaglandins-Synthesis and function (human, dogs, rats).
- R01HL-16490-01 (GMB) AINSWORTH, STERLING K, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Structural basis of nephron filtration (rats, rabbits).
- R01HL-16494-01 (CVA) OSBORN, JOHN J, PACIFIC MEDICAL CTR, P-3473, POST OFFICE BOX 7999, SAN FRANCISCO, CALIF. Oxygen uptake, RQ, and airflow in respirator patients.
- R01HL-16496-01 (GMB) ROMERO, JUAN C, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Prostaglandins and renin experimental hypertension (rabbits).
- R01HL-16498-01 (SGYB) WARD, BRUCE D, UNIVERSITY OF UTAH, 520 WAKARA WAY, SALT LAKE CITY, UTAH. Physiological effect of extracorporeal oxygenation (calves).
- R01HL-16506-01 (CVB) REICHERT, THOMAS A, CARNEGIE-MELLON UNIVERSITY, 5000 FORBES AVENUE, PITTSBURGH, PA. An optimal fetal heart monitor.
- R01HL-16507-01 (CBY) GHULIA, NORTON B, ROCKEFELLER UNIVERSITY, 66TH & YORK AVENUE, NEW YORK, N. Y. Heart cell interactions and cell junction biogenesis (mice, rats, rabbits).
- R01HL-16512-01 (PC) MEANS, ANTHONY R, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Lipoprotein metabolism and hormonal regulation (chickens).
- R01HL-16514-01 (CVA) PAWLOWSKI, BAYMOND, MT SINAI HOSPITAL, 1800 EAST 105TH STREET, CLEVELAND, OHIO. Pulmonary surfactant-Morphology biosynthesis, turnover (rabbits, rats).
- R01HL-16515-01 (HEM) JOHNSON, B CONNOR, OKLAHOMA MEDICAL RESEARCH FDN, 825 N E 13TH, OKLAHOMA CITY, OKLA. Vitamin K and human prothrombin (and animals).
- R01HL-16520-01 (MET) CAPUZZI, DAVID M, HOSP-UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Lipid and lipoprotein synthesis in liver cells (rats, chickens, pigeons).
- R01HL-16523-01 (HEM) GENTON, EDWARD, UNIVERSITY OF COLORADO MED CTR, 4200 EAST 9TH AVENUE, DENVER, COLO. Platelets survival and inhibitors in thromboembolism (human).
- R01HL-16524-01 (MCHA) PORTOGHESE, PHILIP S, UNIVERSITY OF MINNESOTA, COLLEGE OF PHARMACY, MINNEAPOLIS, MINN. Selective inhibitors of prostaglandin biosynthesis (dogs).
- R01HL-16528-01 (CVA) RHOADES, ROONEY A, THE PENNSYLVANIA STATE UNIV, 226 CHEMICAL ENGINEERING 11 BD, UNIVERSITY PARK, PA. Lactate metabolism in the lung (rats).
- R01HL-16531-01 (HEP) CURRY, CHARLES L, FREEDMEN'S HOSPITAL, 6TH BRYANT STREET N W, WASHINGTON, D. C. Clinical cardiology-Emphasis hypertension.
- R01HL-16531-01 0001 (HEP) CURRY, CHARLES L. Clinical cardiology-Emphasis hypertension-Hypertension proneness-Long term study of risk factors in young black americans.
- R01HL-16531-01 0002 (HEP) PRADHANAM S N. Clinical cardiology-Emphasis hypertension-Blood pressure and catecholamines in prediction of hypertension.
- R01HL-16531-01 0003 (HEP) CURRY, CHARLES L. Clinical cardiology-Emphasis hypertension-Ventricular dimension, contractile state, wall thickness in hypertension.
- R01HL-16531-01 0004 (HEP) FAM, WADIE M. Clinical cardiology-Emphasis hypertension-Plasma renin activity in a normal and hypertensive black american population.
- R01HL-16531-01 0005 (HEP) DILLON, PAULINE. Clinical cardiology-Emphasis hypertension-Hypertension induced by oral contraceptives.
- R01HL-16531-01 0006 (HEP) ANDY, JOSEPH J. Clinical cardiology-Emphasis hypertension-Isometric and treadmill exercise in detecting prehypertensive state.
- R01HL-16531-01 0007 (HEP) BOOKER, WALTER M. Clinical cardiology-Emphasis hypertension-Biochemical and cardiovascular core laboratory.
- R01HL-16535-01 (CVB) LEEVY, CARROLL M, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N. J. Estimation of portal blood flow (human, dogs).
- R01HL-16542-01 (PTHA) NIEWOEHNER, DENNIS E, ST LUKE'S HOSPITAL, 11311 SHAKER BOULEVARD, CLEVELAND, OHIO. Early obstructive lung disease-Mechanics, morphometry (human autopsy).
- R01HL-16544-01 (MET) TAUNTON, OSCAR D, METHODIST HOSPITAL, 6516 BERTNER BOULEVARD, HOUSTON, TEX. Control of lipoprotein synthesis (swine).
- R01HL-16550-01 (SGYB) AMORY, DAVID W, UNIVERSITY OF WASHINGTON, 881440 HSB RN-10, SEATTLE, WASH. Blood flow during experimental cardiogenic shock (monkeys).
- R01HL-16552-01 (BIO) ROBISON, GEORGE A, UNIVERSITY OF TEXAS, 6400 WEST CULLEN STREET, HOUSTON, TEX. Regulation of cardiac adenyl cyclase activity (cats, bacteria).
- R01HL-16553-01 (RAD) ATKINS, HAROLD L, BROOKHAVEN NATIONAL LABORATORY, MEDICAL DEPARTMENT, UPTON, N. Y. Diagnosis of myocardial infarction by radioisotopes (mice, rats, goats).
- R01HL-16555-01 (RAD) MC CARTNEY, MICHAEL L, UNIVERSITY OF VIRGINIA, BOX 224 MEDICAL CENTER, CHARLOTTESVILLE, VA. Engineering development of an ultrasonic ventilometer.
- R01HL-16559-01 (MET) SALLEL, ANTOINE F, REGENTS OF CALIF, UNIV OF CALIF, DAVIS, CALIF. Dynamics of lipoprotein structure and atherosclerosis (human).
- R01HL-16559-01 0001 (MET) ZELIS, ROBERT F. Dynamics of lipoprotein structure and atherosclerosis (human)-Lipoproteins (human, monkeys).
- R01HL-16559-01 0002 (MET) ZELIS, ROBERT F. Dynamics of lipoprotein structure and atherosclerosis (human)-Animal models (green monkey, miniature pigs).
- R01HL-16559-01 0003 (MET) ZELIS, ROBERT F. Dynamics of lipoprotein structure and atherosclerosis (human)-Clinical studies.
- R01HL-16560-01 (HED) TERRAGNO, NORBERTO A, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH FIFTEENTH STREET, MILWAUKEE, WIS. Uterine prostaglandins and circulatory regulation (dogs).
- R01HL-16563-01 (CVA) DONNERBERG, ROY L, M325 MEANS HALL, 466 WEST 10TH AVENUE, COLUMBUS, OHIO. Quantitative phonopneumography in lung disease (human, animals).
- R01HL-16567-01 (CVB) DEHAAN, ROBERT L, DEPT OF ANATOMY, EMORY UNIVERSITY, ATLANTA, GA. Differentiation of the heart-cell membrane (mice, chick).
- R01HL-16573-01 (EDC) BLACKBURN, HENRY, UNIVERSITY OF MINNESOTA, STADIUM GATE 27, SCH OF P. H, MINNEAPOLIS, MINN. Prevention of sudden coronary death (human).
- R01HL-16575-01 (BBCA) KASSNER, RICHARD J, UNIVERSITY OF ILLINOIS, BOX 4348, DEPT OF CHEMISTRY, CHICAGO, ILL. Structural basis for redox potentials in hemoproteins (mammals, microorganisms).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1HL-16577-01 (MET) SCHOTZ, MICHAEL C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, LOS ANGELES, CALIF. Lipoprotein lipase chemistry and function (rats, human).

RO1HL-16580-01 (COM) KING, WILLIAM S, RAND CORPORATION, 1700 MAIN STREET, SANTA MONICA, CALIF. Mathematical models for studying sickle-cell disease.

RO1HL-16582-01 (SOYB) MOCKROS, LYLE F, NORTHWESTERN UNIVERSITY, TECHNOLOGICAL INSTITUTE, EVANSTON, ILL. Artificial lungs (dogs, monkeys).

RO1HL-16583-01 (HEM) COLMAN, ROBERT W, HOSPITAL OF THE UNIV OF PENNA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Molecular basis of activation of coagulation proteins (human).

RO1HL-16586-01 (CVA) YAMASHIRO, STANLEY M, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Automation of dynamic lung resistance measurement (human).

RO1HL-16587-01 (CVB) MALINOW, MANUEL R, OREGON REG PRIMATE RES CTR, 505 N W 185TH AVE, BEAVERTON, OREG. Drug effects on coronary atherosclerosis (monkeys).

RO1HL-16588-01 (PTHA) EHRHART, ALLEN, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Collagen synthesis in atherosclerosis (dogs, rats, rabbits).

RO1HL-16595-01 (SOYA) WALLACE, HERBERT W, GRAD HOSP-UNIV OF PENNSYLVANIA, 19TH & LOMBARD STREETS, PHILADELPHIA, PA. Liquid membrane blood oxygenation (dogs).

RO1HL-16596-01 (BBCB) DREIZEN, PAUL, S U N Y - DOWNSTATE MED CTR, 450 CLARISON AVENUE, BROOKLYN, N Y. Structure and function of cardiac myosin (dogs, human).

RO1HL-16601-01 (BBCB) GREER, JONATHAN, COLUMBIA UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, NEW YORK, N Y. Structure and function of blood proteins (human, rats).

RO1HL-16603-01 (CVB) PIRANI, CONRAD L, COLUMBIA UNIVERSITY, 630 WEST 168TH ST, NEW YORK, N Y. Human and experimental renal diseases (rats).

RO1HL-16604-01 (PHY) BURGER, RAY E, UNIVERSITY OF CALIFORNIA, AVIAN SCIENCES DEPARTMENT, DAVIS, CALIF. Function of pulmonary chemosensitivity (chickens, ducks).

RO1HL-16606-07 (PHY) JULIAN, FRED J, BOSTON BIOMEDICAL RES INST, 20 STANFORD STREET, BOSTON, MASS. Force, velocity and sarcomere length in muscle (frogs).

PO1HL-16607-01 (HEP) INESI, GIUSEPPE, UNIVERSITY OF THE PACIFIC, 2155 WEBSTER STREET, SAN FRANCISCO, CALIF. Calcium ion and control of cardiovascular function.

PO1HL-16607-01 0001 (HEP) COHEN, JOEL A. Calcium ion and control of cardiovascular function-Electrical and chemical control of calcium fluxes through model membrane systems.

PO1HL-16607-01 0002 (HEP) ELETR, SAM. Calcium ion and control of cardiovascular function-Structure and function in sarcoplasmic membranes.

PO1HL-16607-01 0003 (HEP) INESI, GIUSEPPE. Calcium ion and control of cardiovascular function-Calcium transport in sarcoplasmic membranes (animals).

PO1HL-16607-01 0004 (HEP) LEVY, JOSEPH V. Calcium ion and control of cardiovascular function-Contractile effects of calcium ionophores (animals).

PO1HL-16607-01 0005 (HEP) MURPHY, ALEXANDER J. Calcium ion and control of cardiovascular function-Chemical modifications of the sarcoplasmic reticulum ATPase.

RO1HL-16608-01 (BIO) JACOBUS, WILLIAM B, UNIVERSITY OF CALIFORNIA, STORER HALL, DAVIS, CALIF. Cardiac creatine kinase-Properties and localization (cattle).

RO1HL-16611-01 (PHRA) HEYOVAR, CSABA, RUSH-PRESBY-ST LUKE'S MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Digitalis-receptor of the heart.

RO1HL-16615-01 (CVB) GLICK, GERALD, MICHAEL REESE HOSP & MED CTR, 29TH STREET & ELLIS AVENUE, CHICAGO, ILL. Relation of cardiac lymph to myocardial infarction (dogs).

RO1HL-16616-01 (SOYA) EDMUNDS, I HENRY, JR, HOSP - UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Physiology of perfusion hypothermia in newborn (human, lambs, dogs, monkeys).

RO1HL-16622-07 (AR) BUCKNER, RALPH G, OKLAHOMA STATE UNIVERSITY, COLL OF VETERINARY MEDICINE, STILLWATER, OKLA. Canine resource colony-Coagulation research.

RO1HL-16623-01 (CVA) TANCREDI, ROBERT G, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Capillary permeability in the lung (dogs).

RO1HL-16626-01 (HEM) MOYER, LEON W, UNIV OF CONNECTICUT SCH OF MED, DEPT OF MEDICINE, FARMINGTON, CONN. Studies of antibodies to antihemophilic factors (human, rabbits).

RO1HL-16628-01 (PC) FALL, R RAY, DEPT OF CHEMISTRY, UNIVERSITY OF COLORADO, BOULDER, COLO. Regulation of lipid metabolism (mammals).

RO1HL-16633-01 (HEM) KINGDON, HENRY S, UNIVERSITY OF NORTH CAROLINA, DEPT OF MEDICINE, CHAPEL HILL, N C. Chemistry and biology of factor IX activator (human, cow).

RO1HL-16634-09 (PC) MAJERUS, PHILIP W, WASHINGTON UNIVERSITY, 4566 SCOTT AVENUE, ST LOUIS, MO. Regulation of metabolism in fibroblasts and platelets.

RO1HL-16634-09 0001 (PC) MAJERUS, PHILIP W. Regulation of metabolism in fibroblasts and platelets-Regulation of fatty acid biosynthesis in skin fibroblasts (human, mice, rats).

RO1HL-16634-09 0002 (PC) MAJERUS, PHILIP W. Regulation of metabolism in fibroblasts and platelets-Mechanism of platelet release reaction (human).

RO1HL-16635-01 (HEM) KISKER, C THOMAS, UNIV OF IOWA COLLEGE OF MED, DEPT OF PEDIATRICS, IOWA CITY, IOWA. Circulating fibrin (human, dogs).

RO1HL-16636-01 (CVB) OSBORN, JOHN J, INSTITUTE OF MEDICAL SCIENCES, PACIFIC MEDICAL CENTER, SAN FRANCISCO, CALIF. Special research facility for computer-based clinical measurement.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1HL-16637-01 (MBY) ZAK, RADOVAN M, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Development and regression of cardiac hypertrophy (rats, chick embryo).

RO1HL-16642-01 (HEM) COLMAN, ROBERT W, HOSPITAL OF UNIV OF PENN, DEPARTMENT OF MEDICINE, PHILADELPHIA, PA. Biochemistry and pathophysiology of plasma kallikrein (human, animals).

RO1HL-16643-01 (CVB) ROSENBLUM, WILLIAM I, VIRGINIA COMMONWEALTH UNIV, BOX 17, DIV OF NEUROPATHOLOGY, RICHMOND, VA. Fluorocarbon emulsions as artificial blood (animals).

RO1HL-16644-01 (CVA) LLOYD, ROGER A, SOUTHERN RESEARCH INSTITUTE, 2000 NINTH AVENUE, SOUTH, BIRMINGHAM, ALA. Left ventricular volume measurement by thermodilution (dogs).

RO1HL-16646-01 (HEM) HAWIGER, JACK J, VANDERBILT UNIVERSITY, 21ST AVENUE SOUTH, NASHVILLE, TENN. Infections and coagulation-Cellular and humoral factors (human).

RO1HL-16647-01 (HEM) HASS, LOUIS F, MILTON S HERSHEY MEDICAL CTR, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA. Studies on control of sickle cell crisis (human).

RO1HL-16651-01 (EDC) LYONS, HAROLD A, DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N Y. Evaluation of steroid therapy in sarcoidosis.

RO1HL-16652-01 (EDC) SUSSER, MERVYN W, COLUMBIA UNIV SCH OF PUB HEALTH, 600 WEST 168TH STREET, NEW YORK, N Y. Asthma and air pollution in two inner city areas.

RO1HL-16653-01 (AFY) JACKSON, DONALD C, BROWN UNIVERSITY, BOX G, DIV OF BIO & MED SCIS, PROVIDENCE, R I. Respiratory control and body temperature (turtles).

RO1HL-16654-02 (HEM) GABUZDA, THOMAS G, LANKENAU HOSPITAL, DEPT OF HEMATOLOGY, PHILADELPHIA, PA. Regulation in developing erythroid cells (human, rabbits, sheep).

RO1HL-16655-01 (HEM) HARPEL, PETER C, SCRIPPS CLINIC & RESEARCH FDM, 476 PROSPECT STREET, LA JOLLA, CALIF. Clotting and kallikrein system interaction (humans).

RO1HL-16656-01 (CVB) HORWITZ, LAWRENCE D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Left ventricular function in exercise (dogs).

RO1HL-16657-01 (CVB) BROWN, ARTHUR M, UNIVERSITY OF TEXAS, DEPT OF PHYSIOLOGY, GALVESTON, TEX. Innervation of coronary arteries and heart (cats, Aplysia).

RO1HL-16658-01 (CVB) SCHNEIDER, EDWARD G, UNIVERSITY OF TENNESSEE, 894 UNION AVENUE, MEMPHIS, TENN. Intrarenal mechanisms in chronic sodium retention (dogs).

RO1HL-16660-03 (BBCB) BITTMAN, ROBERT, QUEENS COLLEGE, CHEMISTRY DEPT, FLUSHING, N Y. Cholesterol and other lipids in membrane function (protozoa).

RO1HL-16661-01 (PTHA) HOWARD, CHARLES F, JR, OREGON REGIONAL PRIMATE RES CT, 505 NW 185TH AVENUE, BEAVERTON, ORE. Risk factors and atherosclerosis in diabetic monkeys.

RO1HL-16662-01 (EDC) O'SULLIVAN, JOHN B, 408 ATLANTIC AVENUE ROOM 307, BOSTON, MASS. Quarter century follow-up of the Oxford study.

RO1HL-16666-01 (PHY) WAGNER, ROGER C, UNIVERSITY OF DELAWARE, 117 WOLF HALL, NEWARK, DEL. Micropinocytosis in isolated capillary endothelium.

RO1HL-16671-01 (PHRA) OH, REN-JYE, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Action of sympathomimetic amines (dogs, cats, rats).

RO1HL-16672-01 (HEM) HARPEL, PETER C, 411 EAST 69TH STREET, NEW YORK, N Y. Coagulation inhibitors-Function and structure (human, animals).

RO1HL-16674-01 (CVA) GATZY, JOHN T, JR, THE UNIVERSITY OF NORTH CAROLI, THE SCHOOL OF MEDICINE, CHAPEL HILL, N C. Airborne metals and lung permeability (bullfrogs, rabbits, cats).

RO1HL-16675-01 (HEM) GUTNISKY, ABRAHAM, INSTITUTO DE NEUROBIOLOGIA, OBLIGADO, BUENOS AIRES, ARGENTINA. Human urinary erythropoietin collection.

RO1HL-16682-01 (SOYB) MOORE, WESLEY S, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Infection in peripheral vascular prosthetic grafts (dogs).

PO1HL-16683-01 (HEP) MORALES, MANUEL F, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Function and growth of cardiac and skeletal muscle (mammals).

RO1HL-16606-01 (BIO) WHARTON, DAVID C, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Properties of cytochrome oxidase (beef, yeast, bacteria).

RO1HL-16698-01 (SSS) WEST, JOHN B, UNIV OF CALIFORNIA, SAN DIEGO, DEPT OF MEDICINE, LA JOLLA, CALIF. Ventilation-perfusion distributions in lung disease (human, dogs).

RO1HL-16700-01 (SOYB) EHMMSEN, RONALD J, ARIZONA STATE UNIVERSITY, EC-G 348, TEMPE, ARIZ. Centrifugal fluorocarbon blood oxygenation (dogs).

RO1HL-16707-01 (NTN) WILSON, ROBERT B, UNIVERSITY OF MISSOURI, 202 CONNAYWAY HALL, COLUMBIA, MO. Dietary antioxidants and atherosclerosis (rabbits).

RO1HL-16711-01 (CVB) EVANS, EVAN A, DUKE UNIVERSITY, DEPT OF BIOMEDICAL ENGR, DURHAM, N C. RBC and endothelial membrane material characteristics (human, animals).

RO1HL-16713-01 (PTHA) HARRIS, JAMES O, VETERANS ADMINISTRATION HOSP, DEPT OF MEDICINE, GAINESVILLE, FLA. Emphysema, bronchitis, alveolar enzymes and inhibitors (human).

RO1HL-16714-01 (PTHA) SHEPRO, DAVID, BOSTON UNIVERSITY, 2 CUMMINGTON STREET, BOSTON, MASS. Endothelial cell communication in homeostasis (human, mammals, sharks).

RO1HL-16716-01 (PHY) STEVENS, ERNEST D, DEPARTMENT OF ZOOLOGY, 2538 THE MALL, SNYDER 209, HONOLULU, HAWAII. Analysis of a vascular heat exchanger (tuna).

R13HL-16724-01 (NSS) BNELOW, ALLEN J, PACIFIC MEDICAL CENTER, CLAY & WEBSTER ST, BOX 7999, SAN FRANCISCO, CALIF. Applying behavioral science to cardiovascular risk.

RO1HL-16725-01 (CVA) KING, RICHARD J, UNIVERSITY OF CALIFORNIA, CARDIOVASCULAR RESEARCH INST, SAN FRANCISCO, CALIF. Physiological regulation of pulmonary surfactant (dogs).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01HL-16726-01 (CVA) RODARTE, JOSEPH R, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Resistance and impedance of the respiratory system (human, dogs).

R01HL-16730-01 (MBV) AIELLO, EDWARD L, FORDHAM UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, BRONX, N Y. Physiology of mucociliary transport (rats, frogs, bivalves).

R01HL-16734-01 (BBCB) ASAKURA, TOSHIO, CHILDREN'S HOSPITAL, 1740 BAMBRIDGE STREET, PHILADELPHIA, PA. Biophysical-clinical study of abnormal hemoglobins (human).

R01HL-16737-01 (CVB) ZAREM, HARVEY A, UCLA MEDICAL CENTER, 10833 LE CONTE AVENUE, LOS ANGELES, CALIF. Microcirculatory aspects of the allograft reaction (rabbits).

R13HL-16740-01 (NSS) PIERCE, ALAN K, UNIV OF TEXAS SW MEDICAL SCH, 5323 HARRY HINES BLVD, DALLAS, TEX. Conference on scientific basis of respiratory therapy (Pennsylvania).

R01HL-16746-01 (MCHB) BOROWITZ, IRVING J, YESHIVA UNIVERSITY, AMSTERDAM AVE & 18TH STREET, NEW YORK, N Y. Design of ion-selective molecules.

P01HL-16748-01 (HEP) BELLANTI, JOSEPH A, GEORGETOWN UNIVERSITY, 3800 RESERVOIR ROAD, WASHINGTON, D C. Cellular and immunological bases of pulmonary diseases.

P01HL-16748-01 0001 (HEP) SCHWARTZ, SORELL L. Cellular and immunological bases of pulmonary diseases—Mechanisms of alveolar macrophage function and dysfunction (human, rabbits).

P01HL-16748-01 0002 (HEP) HERSCOWITZ, HERBERT B. Cellular and immunological bases of pulmonary diseases—Immunological function of alveolar macrophages (human, animals).

P01HL-16748-01 0003 (HEP) BEAMAN, BLAINE L. Cellular and immunological bases of pulmonary diseases—Alveolar macrophages and opportunistic microorganisms (human, guinea pigs).

P01HL-16748-01 0004 (HEP) BELLANTI, JOSEPH A. Cellular and immunological bases of pulmonary diseases—Maturation cellular and immunology in pulmonary defense systems (rabbits).

P01HL-16748-01 0005 (HEP) BELLANTI, JOSEPH A. Cellular and immunological bases of pulmonary diseases—Immunity in atopy, bronchiolitis and pulmonary sensitivity diseases (human).

P01HL-16748-01 0006 (HEP) YEAGER, HENRY, JR. Cellular and immunological bases of pulmonary diseases—Sarcoidosis—Studies with bronchial lavage (human).

P01HL-16748-01 0007 (HEP) KATZ, SOL. Cellular and immunological bases of pulmonary diseases—Medicine/pediatrics clinical core.

P01HL-16748-01 0008 (HEP) AYERS, WILLIAM. Cellular and immunological bases of pulmonary diseases—Computer resources core.

P01HL-16748-01 0009 (HEP) HAMOSH, PAUL. Cellular and immunological bases of pulmonary diseases—Pulmonary physiology core laboratory.

R01HL-16753-01 (CVA) PARK, BYUNG H, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Pathogenetic mechanisms of pulmonary alveolar proteinosis (human, rats).

R01HL-16758-01 (PTHA) SANDERS, AARON P, DUKE UNIVERSITY, BOX 3164, DURHAM, N C. Lung O₂ toxicity—Metabolism, pathology and recovery.

R01HL-16759-01 (RAD) MORITZ, WILLIAM E, UNIVERSITY OF WASHINGTON, RM 334 AEROSPACE RES LAB, SEATTLE, WASH. Ultrasonic measurement of cardiac geometry and flow.

R01HL-16760-01 (CVB) SPARKS, HARVEY V, UNIVERSITY OF MICHIGAN, DEPT OF PHYSIOLOGY, ANN ARBOR, MICH. Dynamic control of coronary blood flow (dogs).

R01HL-16766-01 (CVA) CONRAD, MARGARET C, 358 MOWBRAY ARCH, NORFOLK, VA. Compensatory mechanisms in peripheral vessels (rats, dogs).

P01HL-16769-01 (HEP) MYRVIK, QUENTIN N, BOWMAN GRAY SCHOOL OF MEDICINE, HAWTHORNE ROAD, WINSTON-SALEM, N C. Pathobiologic and host defense reactions in the lung.

P01HL-16769-01 0001 (HEP) ACTON, JEAN D. Pathobiologic and host defense reactions in the lung—Endogenous hydrolytic enzymes in pulmonary injury (rabbits).

P01HL-16769-01 0002 (HEP) MCCALL, CHARLES E. Pathobiologic and host defense reactions in the lung—Pathogenesis of complement dependent injury to the lungs (rabbits, monkeys).

P01HL-16769-01 0003 (HEP) MYRVIK, QUENTIN N. Pathobiologic and host defense reactions in the lung—Pathobiologic mechanisms of delayed sensitivity reactions in the lung (animals).

P01HL-16769-01 0004 (HEP) KREGER, ARNOLD S. Pathobiologic and host defense reactions in the lung—Pathogenesis of Pseudomonas and Serratia pneumonias (human, rabbits).

P01HL-16769-01 0005 (HEP) MCLEAN, ROSS L. Pathobiologic and host defense reactions in the lung—Kveim reactive material and clinical features of the sarcoid syndrome (human).

P01HL-16769-01 0006 (HEP) LEAKE, EVA S. Pathobiologic and host defense reactions in the lung—Mononuclear and/or epithelioid cells from patients with sarcoidosis.

P01HL-16769-01 0007 (HEP) HEISE, EUGENE R. Pathobiologic and host defense reactions in the lung—Immunogenetic factors in sarcoidosis (human).

P01HL-16769-01 0008 (HEP) JOHNSON, JOSEPH E, III. Pathobiologic and host defense reactions in the lung—Pulmonary immunocytologic defense mechanisms against bacteria (human, animals).

R01HL-16775-01 (PTHA) GARDNER, KENNETH D, JR, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N MEX. Cystic disease of the kidney (rats).

R01HL-16778-01 (PHRA) BRODY, THEODORE M, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, EAST LANSING, MICH. Cardiac pharmacology of phenothiazine metabolites.

R01HL-16784-01 (CVA) HYDE, RICHARD W, UNIVERSITY OF ROCHESTER, PULMONARY UNIT, ROCHESTER, N Y. Lung tissue and water volume (human, dogs).

R01HL-16787-01 (PTHA) JOHNSTON, CLARE C, IIT RESEARCH INSTITUTE, 10 WEST 35TH STREET, CHICAGO, ILL. Inborn alpha 1-antitrypsin levels and pulmonary disease resistance (mice).

R01HL-16796-01 (MBT) SCALLEN, TERENCE J, UNIVERSITY OF NEW MEXICO, 915 STANFORD, N E, ALBUQUERQUE, N MEX. Cholesterol regulation by HMG-CoA reductase (rats, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01HL-16805-01 (CVB) ODLAND, GEORGE F, UNIVERSITY OF WASHINGTON, DEPT OF MEDICINE RM 14, SEATTLE, WASH. Functional-ultrastructural study of microcirculation (bats).

R01HL-16812-01 (CVA) LEE, JEN-SHIH, UNIVERSITY OF VIRGINIA, BOX 224, MEDICAL CENTER, CHARLOTTESVILLE, VA. Respiratory distress syndrome and pulmonary edema (animals).

R01HL-16830-01 (RAD) HUNTSMAAN, LEE L, UNIVERSITY OF WASHINGTON, CENTER FOR BIOENGINEERING, SEATTLE, WASH. Non-invasive determination of aortic blood velocities (human).

P01HL-16833-01 (HEP) BENSON, ELLIS S, UNIVERSITY OF MINNESOTA, BOX 198, MAYO, MINNEAPOLIS, MINN. Hemoglobin and red cell system in hemoglobinopathies.

P01HL-16833-01 0001 (HEP) BENSON, ELLIS S. Hemoglobin and red cell system in hemoglobinopathies—Motility, association and ligand binding in hemoglobin—Hydrogen exchange.

P01HL-16833-01 0002 (HEP) ROSENBERG, ANDREAS. Hemoglobin and red cell system in hemoglobinopathies—Polymerization and gel formation in solutions of hemoglobin A and S.

P01HL-16833-01 0003 (HEP) BENSON, ELLIS S. Hemoglobin and red cell system in hemoglobinopathies—Oxygen binding curves and equilibria.

P01HL-16833-01 0004 (HEP) BENSON, ELLIS S. Hemoglobin and red cell system in hemoglobinopathies—Purification and fractionation of hemoglobin A and S.

P01HL-16833-01 0006 (HEP) LUMRY, RUFUS. Hemoglobin and red cell system in hemoglobinopathies—Role of water in function of hemoglobin and myoglobin (human).

P01HL-16833-01 0008 (HEP) BLACKSHEAR, PERRY L. Hemoglobin and red cell system in hemoglobinopathies—Spatial distribution of atomic species near the surface of RBC following change.

P01HL-16833-01 0009 (HEP) KELLER, KENNETH H. Hemoglobin and red cell system in hemoglobinopathies—Rheological studies of sickled cells (human).

P01HL-16833-01 0010 (HEP) KELLER, KENNETH H. Hemoglobin and red cell system in hemoglobinopathies—Sublytic erythrocyte damage following trauma (human).

P01HL-16833-01 0011 (HEP) KELLER, KENNETH H. Hemoglobin and red cell system in hemoglobinopathies—Relationship between hemoglobin and RBC membrane in sickling cells (human, rats).

P01HL-16833-01 0014 (HEP) JACOB, HARRY S. Hemoglobin and red cell system in hemoglobinopathies—Erythrocyte membrane damage in Hb SS disease (human).

P01HL-16833-01 0015 (HEP) MOSCOWITZ, ALBERT. Hemoglobin and red cell system in hemoglobinopathies—Stereochemistry of hemoglobins from magnetic circular dichroism (human).

R01HL-16834-01 (CVA) KUMADA, MAMORU, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Neural modulation of carotid sinus reflex performance (dogs).

R01HL-16841-01 (HEM) SHARP, JOHN J, BIOCHEMISTRY DEPARTMENT, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. The interaction of blood platelet membrane and fibrin (rabbits, chickens).

R01HL-16847-01 (CVB) KRAKOFF, LAWRENCE R, C U N Y - MT SINAI SCH OF MED, 100TH STREET FIFTH AVENUE, NEW YORK, N Y. Pathogenesis of glucocorticoid hypertension (rats).

R01HL-16850-01 (MBT) SPITZER, JOHN J, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Removal and mobilization of lipids (dogs, baboons).

P01HL-16851-01 (HEP) CHIEN, SHU, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Human red cell membrane in health and disease.

P01HL-16851-01 0001 (HEP) CHIEN, SHU. Human red cell membrane in health and disease—Rheology of erythrocyte membrane (human, animals).

P01HL-16851-01 0002 (HEP) BLANK, MARTIN. Human red cell membrane in health and disease—Surface rheology of erythrocyte membrane components (human).

P01HL-16851-01 0003 (HEP) SKALAK, RICHARD. Human red cell membrane in health and disease—Modeling membrane mechanics and blood rheology.

P01HL-16851-01 0004 (HEP) DEMPSEY, EDWARD W. Human red cell membrane in health and disease—Red cell morphology and rheology in pregnancy (human, monkeys).

P01HL-16851-01 0005 (HEP) BERTLES, JOHN P. Human red cell membrane in health and disease—Relation of hemoglobin species to membrane properties (human).

P01HL-16851-01 0006 (HEP) SCHACHTER, DAVID. Human red cell membrane in health and disease—Hexose transport and erythrocyte membrane proteins (human).

P01HL-16851-01 0007 (HEP) BLANK, MARTIN. Human red cell membrane in health and disease—Transport across erythrocyte membrane components.

P01HL-16851-01 0008 (HEP) CHIEN, SHU. Human red cell membrane in health and disease—Force balance in red cell interactions (human).

R01HL-16853-01 (CVA) HENRY, PHILIP D, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. The contractile apparatus in cardiac hypertrophy (rabbits).

R01HL-16855-01 (AFY) HEAMINGSEN, EDVARD A, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 1529, LA JOLLA, CALIF. Cavitation in biological systems.

R01HL-16858-01 (CVB) HAMRELL, BURT B, UNIVERSITY OF VERMONT, GIVEN MEDICAL BLDG, D-217, BURLINGTON, VT. Mechanical characteristics of the hypertensive heart (rats).

R01HL-16860-01 (BBCB) LANG, I GEORGE, PENNSYLVANIA STATE UNIVERSITY, DEPARTMENT OF PHYSICS, UNIVERSITY PARK, PA. Mossbauer studies of respiratory hemoproteins.

R01HL-16864-01 (PTHA) EGAN, EDWARD A, UNIVERSITY OF FLORIDA, BOX 739, JIM HEALTH CENTER, GAINESVILLE, FLA. Change in alveolar permeability in pulmonary edema (dogs).

R01HL-16880-01 (PC) GAN, JOSE C, UNIVERSITY OF TEXAS, DIVISION OF BIOCHEMISTRY, GALVESTON, TEX. Alpha 1 antitrypsin pulmonary function and chemical structure (human).

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(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01HL-16889-01 (BBCB) SCHUMAKER, VERNE N.**, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Very low density lipoprotein characterization (human).
- R01HL-16891-01 (BBCA) BUCCI, CLARA F.**, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD. The folding of hemoglobin.
- R01HL-16895-01 (MBY) CUTRONO, KENNETH R.**, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIO, AUGUSTA, GA. Particulate prolyl hydroxylation in lung (rats).
- R01HL-16898-01 (SGYB) WARD, BRUCE D.**, UTAH BIOMEDICAL TEST LAB, 520 WAKARA WAY, SALT LAKE CITY, UTAH. Biofeasibility of total prosthetic lung replacement (dogs, sheep).
- R01HL-16901-01 (CVA) MORAN, LEO G.**, UNIVERSITY OF LOUISVILLE, HEALTH SCIENCES CENTER, LOUISVILLE, KY. EMF patterns decoded to heart geometry by bipolar pair (human, dogs).
- P01HL-16910-01 (HEP) SCHER, ALLEN M.**, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Regulation of the peripheral circulation.
- P01HL-16910-01 0001 (HEP) WIEDERHIELM, CURT A.** Regulation of the peripheral circulation—Quantitative studies of microcirculatory control (rats).
- P01HL-16910-01 0002 (HEP) PEIGL, ERIC O.** Regulation of the peripheral circulation—Coronary circulation (dogs).
- P01HL-16910-01 0003 (HEP) BRINGELMANN, GEORGE L.** Regulation of the peripheral circulation—Thermoregulation and control of circulation to the skin (human, baboons).
- P01HL-16910-01 0004 (HEP) BROWN, ARTHUR C.** Regulation of the peripheral circulation—Circulation to bone (dogs).
- P01HL-16910-01 0005 (HEP) SCHER, ALLEN M.** Regulation of the peripheral circulation—Control of circulation by baroreceptor and chemoreceptor reflexes (human, animal).
- P01HL-16910-01 0006 (HEP) ROWELL, LORING B.** Regulation of the peripheral circulation—Regulation of blood flow distribution (human, baboons).
- R01HL-16912-01 (HEM) WILLINGHAM, ALLAN K.**, UNIVERSITY OF NEBRASKA, 42ND AND DEWEY AVENUE, OMAHA, NEBR. The role of vitamin K in prothrombin biosynthesis (rats).
- R01HL-16915-01 (SSS) REDDY, YERRADHODDI S.**, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Phosphorylation of myocardial regulatory protein (dogs).
- R01HL-16918-01 (GMB) BAXTER, JOHN D.**, UNIVERSITY OF CALIFORNIA, METABOLIC RES UNIT, 1143 HSW, SAN FRANCISCO, CALIF. Role of steroids in hypertension.
- R01HL-16920-01 (PC) KALNITSKY, GEORGE.**, UNIVERSITY OF IOWA, BIOCHEMISTRY DEPARTMENT, IOWA CITY, IOWA. Proteases in normal and immunologically injured lung (guinea pigs, rabbits).
- R01HL-16921-01 (SGYA) ANDRADE, JOSEPH D.**, UNIVERSITY OF UTAH, INST FOR BIOMED ENGR, SALT LAKE CITY, UTAH. Synthetic hydrogels as blood tolerable materials (rabbits).
- R01HL-16925-01 (CVA) KAZEMI, HOMAYOUN.**, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Central chemical control of ventilation (dogs).
- R01HL-16927-01 (BBCB) BUNN, HOWARD F.**, PETER BENT BRIGHAM HOSPITAL, HEMATOLOGY DIVISION, BOSTON, MASS. Functional studies on A and S hemoglobins (human).
- R01HL-16931-01 (HEM) BARTLETT, GRANT R.**, LAB FOR COMPARATIVE BIOCHEM, 4620 SANTA FE STREET, SAN DIEGO, CALIF. Red cell storage and transfusion (rabbits).
- R01HL-16934-01 (BBCA) WONG, KIN-PING.**, UNIVERSITY OF SOUTH FLORIDA, DEPARTMENT OF CHEMISTRY, TAMPA, FLA. Acquisition of native conformation of protein (human, cattle).
- R01HL-16935-01 (SGYB) DECK, J DAVID.**, UNIVERSITY OF VIRGINIA, 1300 JEFFERSON PARK AVENUE, CHARLOTTESVILLE, VA. Tissue organization and turnover in the aortic valve (human, rodents, ungulates).
- R01HL-16938-01 (SGYB) ALFREY, CLARENCE P, JR.**, METHODIST HOSPITAL, 6516 BERTNER, HOUSTON, TEX. Effect of physical forces on blood (dogs, baboons, human).
- R01HL-16942-01 (CVA) CALLAS, GERALD.**, UNIVERSITY OF TEXAS, MEDICAL BRANCH AT GALVESTON, GALVESTON, TEX. Hypothyroidism and lung structure and function (rats, rabbits).
- R01HL-16949-01 (CVA) GREENWOOD, FREDERICK C.**, DEPT OF BIOCHEM & BIOPHYSICS, 1960 EAST WEST ROAD, HONOLULU, HAWAII, 96822. Lung uptake and metabolism of plasma-borne substances (rats).
- R01HL-16951-01 (HEM) RYTTING, J HOWARD.**, UNIVERSITY OF KANSAS, 2065 AVENUE A - CAMPUS WEST, LAWRENCE, KANS. Effect of temperature and pressure on blood platelets (dogs, rabbits).
- R01HL-16952-01 (PTHA) MAJNO, GUIDO.**, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Cardiovascular pathology (rats, dogs, swine, human).
- R01HL-16955-01 (HEM) DANISHEFSKY, ISIDORE.**, NEW YORK MEDICAL COLLEGE, DEPT OF BIOCHEMISTRY, VALHALLA, N Y. Heparin, blood coagulation and lipid metabolism (human, rats).
- R01HL-16956-01 (CVA) BLOOM, SHERMAN.**, UNIVERSITY OF SOUTH FLA, 4202 EAST FOWLER AVE, TAMPA, FLA. Structure-function pathology of isolated heart cells (mice, rats).
- R25HL-16959-01 (SRC) SYME, S LEONARD.**, UNIVERSITY OF CALIFORNIA, 208 EARL WARREN HALL, BERKELEY, CALIF. Hypertension education in a low income community.
- R25HL-16988-01 (SRC) KELLEY, CHARLES R.**, MARION COUNTY GENERAL HOSPITAL, 960 LOCKE STREET, INDIANAPOLIS, IND. Hypertension—Educational components of patient care.
- R01HL-16990-05 (BM) GREEN, GARETH M.**, UNIVERSITY OF VERMONT, GIVEN BUILDING, ROOM C348, BURLINGTON, VT. Bronchopulmonary resistance to bacterial infection (human, mice).
- R01HL-16991-05 (BM) FARR, RICHARD S.**, NATL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Immune reaction to infectious agents in bronchitis (human).
- R25HL-17016-01 (SRC) GREEN, LAWRENCE W.**, JOHNS HOPKINS UNIVERSITY, 624 NORTH BROADWAY, BALTIMORE, MD. Health education strategies for hypertension control (doctors, nurses, patients).
- R25HL-17045-01 (SRC) SWAIN, MARY A.**, UNIVERSITY OF MICHIGAN, 1335 CATHERINE STREET, ANN ARBOR, MICH. Influencing compliance among hypertensive patients.
- R25HL-17056-01 (SRC) POWERS, MARJORIE J.**, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Improving patient compliance through nursing action.
- R01HL-17080-01 (CBY) PALADE, GEORGE E.**, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Localization of pore systems in capillary walls (rats).
- R01HL-17091-01 (SGYA) LONGNECKER, DAVID E.**, UNIVERSITY OF VIRGINIA, DEPT OF ANESTHESIOLOGY, CHARLOTTESVILLE, VA. Anesthetics and microvascular response to hemorrhage (bats, rats).
- R23HL-17098-01 (SRC) PEABCE, DAVID H.**, UNIVERSITY OF MISSISSIPPI, 2500 N STATE STREET, JACKSON, MISS. Quantitative pulmonary responses to exercise (human).
- R23HL-17099-01 (SRC) PANG, DAVID C.**, VIRGINIA COMMONWEALTH UNIV, 1200 E BROAD STREET, RICHMOND, VA. Role of bronchial muscle in asthma (cattle).
- R23HL-17103-01 (SRC) RUSSELL, JAMES A.**, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Control of active expiration (cats).
- R23HL-17105-01 (SRC) ULTMAN, JAMES S.**, DEPT OF CHEMICAL ENGINEERING, 106 FENSKE LAB, UNIVERSITY PARK, PA. Noninvasive determination of airway mixing (human).
- R23HL-17106-01 (SRC) KRZANOWSKI, JOSEPH J.**, UNIVERSITY OF SOUTH FLORIDA, DEPARTMENT OF PHARMACOLOGY, TAMPA, FLA. Interaction of cyclic nucleotides in pulmonary tissue (mice).
- R23HL-17107-01 (SRC) CASABURI, RICHARD.**, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. Role of pulmonary receptors in respiratory control (cats, dogs).
- R23HL-17110-01 (SRC) DOUGLAS, WILLIAM H.**, W ALTON JONES CELL SCIENCE CTR, POST OFFICE BOX 631, LAKE PLACID, N Y. Culture of Type II cells isolated on Ficoll gradients (rats).
- R23HL-17111-01 (SRC) CULVER, BRUCE H.**, UNIVERSITY OF WASHINGTON, BB1253 HEALTH SCIENCES, SEATTLE, WASH. Effect of PEEP on formation of pulmonary edema (dogs).
- R23HL-17112-01 (SRC) DAWSON, CHRISTOPHER A.**, VETERANS ADMINISTRATION CTR, RESEARCH SERVICE, WOOD, WIS. Lung and prostaglandins—Metabolism and vasomotion (cats).
- R23HL-17115-01 (SRC) HAAS, FRANCOIS.**, NEW YORK UNIVERSITY, 400 EAST 34TH STREET, NEW YORK, N Y. Mast cell function in cor pulmonale and lung edemas (cats, guinea pigs, human).
- R23HL-17119-01 (SRC) SCHERER, PETER W.**, MASSACHUSETTS INST OF TECH, ROOM 3-239, CAMBRIDGE, MASS. Flow in collapsible model alveolar capillary networks.
- R23HL-17121-01 (SRC) FISHER, MARTIN J.**, UNIVERSITY OF FLORIDA, BOX 375, J HILL MILLER CTR, GAINESVILLE, FLA. Antipain and its relation to experimental emphysema (mammals).
- R23HL-17124-01 (SRC) ROTH, JEROME A.**, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Pulmonary alteration of circulating monoamines (rabbits, human).
- R23HL-17130-01 (SRC) CHOU, LIANG.**, CHILDREN'S MEMORIAL HOSPITAL, 2300 CHILDREN'S PLAZA, CHICAGO, ILL. Plasma membranes in cystic fibrosis (tissue culture).
- R23HL-17132-01 (SRC) REPINE, JOHN E.**, UNIVERSITY OF MINNESOTA, BOX 13, MAYO MEMORIAL BLDG, MINNEAPOLIS, MINN. Quantitative human alveolar macrophage function (human).
- R23HL-17134-01 (SRC) PROUGH, RUSSELL A.**, UNIVERSITY OF TEXAS, 5323 HARRY HWES BOULEVARD, DALLAS, TEX. Metabolism of xenobiotic compounds in lung (rats, hamsters).
- R23HL-17136-01 (SRC) BAGLETON, LAMIE E.**, BELLEVUE HOSPITAL, 462 FIRST AVENUE, NEW YORK, N Y. Isoproterenol binding to lymphocytes of asthmatics.
- R23HL-17141-01 (SRC) HURST, DANIEL J.**, UNIVERSITY OF MISSOURI MED CTR, DEPT OF MEDICINE, COLUMBIA, MO. Collagen chemistry in pulmonary fibrosis (human).
- R23HL-17144-01 (SRC) CATANZARO, ANTONINO.**, UNIVERSITY HOSPITAL, 225 WEST DICKINSON STREET, SAN DIEGO, CALIF. Transfer factor effect on course of coccidioidomycosis (human).
- R23HL-17147-01 (SRC) EFFMANN, ERIC L.**, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Radiographic study of the developing lung (dogs, humans).
- R23HL-17150-01 (SRC) BISSONNETTE, JOHN M.**, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Pulmonary diffusing capacities in newborn lung (sheep).
- R23HL-17153-01 (SRC) TAUSSIG, LYNN M.**, UNIV OF ARIZONA, TUCSON, ARIZ. Prolonged effects of acute respiratory illnesses (human).
- R23HL-17154-01 (SRC) SHAFER, THOMAS H.**, UNIVERSITY OF PENNSYLVANIA, A-201 RICHARDS BLDG G 4, PHILADELPHIA, PA. Liquid ventilation in newborn with RDS (sheep).
- R23HL-17161-01 (SRC) STONER, GARY D.**, UNIV OF CALIFORNIA, SAN DIEGO, RM B-201, BASIC SCIENCE BLDG, LA JOLLA, CALIF. Hormone-mediated differentiation of mouse lung cells.
- R23HL-17165-01 (SRC) LAMAN, P DAVID, JR.**, STANFORD UNIVERSITY, DIV OF RESPIRATORY MEDICINE, STANFORD, CALIF. Redox state of NAD0 in erythrocytes (human).
- R23HL-17172-01 (SRC) GUTHRIE, ROBERT D.**, 1237 150TH AVE, S E, BELLEVUE, WASH. Ventilatory control and sleep in the premature (monkeys).
- R23HL-17174-01 (SRC) JACOBS, A ALICE.**, UNIVERSITY OF MINNESOTA, 2205 EAST FIFTH STREET, DULUTH, MINN. Cellular interactions in lung resistance to infection (mice).
- R23HL-17175-01 (SRC) WILKERSON, ROBERT D.**, UNIVERSITY OF SOUTH ALABAMA, 307 UNIVERSITY BOULEVARD, MOBILE, ALA. Prostaglandins and shock lung (dogs).
- R23HL-17179-01 (SRC) VAN EPPS, DENNIS E.**, UNIVERSITY OF NEW MEXICO, 943 STANFORD BLDG 6, ALBUQUERQUE, N MEX. Immunoglobulin inhibitor of leukocyte chemotaxis.
- R23HL-17182-01 (SRC) WELLMAN, JAMES J.**, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Site of airway obstruction reversed by deep inspiration (human).
- R23HL-17134-01 (SRC) HAUSCHKA, PETER V.**, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Elastin synthesis by cultured lung cells (mice, rabbits, human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R23HL-17185-01 (SRC) HARRISON, STEADMAN D, JR, SOUTHERN RESEARCH INSTITUTE, 2000 NINTH AVENUE SOUTH, BIRMINGHAM, ALA. The lung's role in drug metabolism and disposition (rabbits).
- R23HL-17186-01 (SRC) SHINNICK, JAMES P, HAHNEMANN MEDICAL COLL & HOSP, 230 N BROAD STREET, PHILADELPHIA, PA. Catecholamines in neurogenic pulmonary edema (dog).
- R23HL-17187-01 (SRC) STONE, PHILLIP J, BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. The role of elastolysis in emphysema (hamsters).
- R23HL-17199-01 (SRC) KATYAL, SIKANDAR L, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. Respiratory distress syndrome-An experimental model (rats).
- R23HL-17200-01 (SRC) HALES, CHARLES A, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Control of hypoxic pulmonary vasoconstriction (dogs).
- R23HL-17284-01 (SRC) BERMAN, MICHAEL A, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Metabolism of vasoactive hormones by newborn lung (rabbits).
- R23HL-17205-01 (SRC) BRADY, FRANK O, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILLION, S DAK. Lung metalloenzymes-Regulation by metals and gases (rats).
- R23HL-17212-01 (SRC) MC NAMEE, JAMES E, UNIVERSITY OF CALIFORNIA, CARD RESEARCH INST, M-1315, SAN FRANCISCO, CALIF. Computer modeling of lung water and solute exchange (sheep).
- R23HL-17218-01 (SRC) CHOW, CHING K, UNIVERSITY OF CALIFORNIA, CALIFORNIA PRIMATE RES CENTER, DAVIS, CALIF. Mechanism of antioxidant protection in lung.
- R23HL-17219-01 (SRC) ASKIN, FREDERIC B, WASHINGTON UNIVERSITY, DEPT OF PATHOLOGY, ST LOUIS, MO. Steroid modification of the newborn lung (rabbits).
- R23HL-17221-01 (SRC) DANIELE, RONALD P, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Immunocompetent cells of the lung (rats, rabbits, guinea pigs).
- R23HL-17224-01 (SRC) RYAN, JON M, WISTAR INSTITUTE, 36TH AND SPRUCE STREETS, PHILADELPHIA, PA. Mechanism of cortisol action on lung cells in vitro (human).
- R23HL-17226-01 (SRC) MARIN, MATTHEW G, UNIVERSITY OF CALIFORNIA, CARDIOVASCULAR RESEARCH INST, SAN FRANCISCO, CALIF. Autonomic control of lung mucociliary transport (dogs).
- R23HL-17230-01 (SRC) BRUCKER, PAUL C, THOMAS JEFFERSON UNIVERSITY, 1025 WALNUT ST, RM 125, PHILADELPHIA, PA. Assuring patient compliance by health care contracts.
- R23HL-17235-01 (SRC) ORTEZ, RICHARD A, CREIGHTON UNIVERSITY, 2500 CALIFORNIA STREET, OMAHA, NEBR. Cyclic AMP and histamine hypersensitivity (mice).
- R01HL-17239-01 (HED) ZACHMAN, RICHARD D, UNIVERSITY OF WISCONSIN, NEONATOLOGY CENTER, MADISON, WIS. Enzymes for lecithin synthesis in neonatal human lung.
- R01HL-17244-01 (HEP) PARMELEY, WILLIAM W, CARDIOVASCULAR RESEARCH INST, UNIV OF CALIFORNIA, SAN FRANCISCO, CALIF. Myocardial mechanics and pharmacology (cats, dogs).
- R01HL-17281-01 (SGYB) ENGER, CARL C, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Heart-powered implantable pacemaker (animals, dogs).
- R01HL-17328-01 (HED) BLACKBURN, WILL R, UNIV OF SOUTH ALABAMA, COLLEGE OF MEDICINE, MOBILE, ALA. Lung growth in vivo and in vitro-Hormonal influences (rats).
- R01HL-17434-01 (HEM) DEYKIN, DANIEL, BOSTON VETERANS ADM HOSPITAL, 150 S HUNTINGTON AVENUE, BOSTON, MASS. Role of platelet lipids in arterial thrombosis (human).
- R01HL-17555-01 (CVB) MARKS, BERNARD H, WAYNE STATE UNIVERSITY, 540 EAST CANFIELD AVE, DETROIT, MICH. Distribution and metabolism of labeled digitolids (dogs, guinea pigs).
- R01HL-17684-01 (CVA) ROLETT, ELLIS L, WADSWORTH HOSPITAL CENTER, WILSHIRE AND SAWTELLE BLVD, LOS ANGELES, CALIF. Adrenergic mechanisms in cardiac muscle (rabbits, cats).
- R01HL-17638-01 (CVA) LEPPER, ALLAN M, THOMAS JEFFERSON UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, PHILADELPHIA, PA. Inotropic actions of corticosteroids (cats, dogs).
- R01HL-17689-02 (PHY) ELDRIDGE, FREDERIC L, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Neurophysiologic studies of respiratory control (cats).
- R01HL-17690-01 (SSS) LANCHANTIN, GERARD F, DEPT OF LABORATORIES ST JOSEPH, MED CTR BUENA VISTA AND ALAMEDA, BURBANK, CALIF. Chemistry of human blood coagulation (human, cattle).
- R01HL-17691-01 (CVA) BARBORIAK, JOSEPH J, MEDICAL COLLEGE OF WISCONSIN, 561 NORTH 15TH STREET, MILWAUKEE, WIS. Modification of lung immune responses (guinea pigs).
- R01HL-17692-01 (SGYB) ENGER, CARL C, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVE, CLEVELAND, OHIO. A heart-powered miniature implantable pacemaker (dogs, chimpanzees, rabbits).
- R01HL-17706-01 (PPR) HENRY, JAMES P, HUMAN CENTRIFUGE BUILDING, 815 W 37TH STREET UNIV OF S CA, LOS ANGELES, CALIF. Psychosocial hypertension catecholamines and drugs (mice).
- R13HL-17707-01 (SRC) BRECHER, GEORGE, AMERICAN SOCIETY OF HEMATOLOGY, UNIV CALIFORNIA - SAN FRANCISCO, SAN FRANCISCO, CALIF. International congress of hematology.
- R01HL-17711-01 (CVB) BEROOPSKY, EDWARD H, DEPARTMENT OF MEDICINE, STATE UNIVERSITY OF NEW YORK, STONY BROOK, N Y. Mechanism of hypoxic regulation of lung circulation (rats, cats, guinea pigs).
- R01HL-17716-01 (CVA) WATT, THOMAS B, JR, UNIV OF LOUISVILLE FND INC, 800 ZORN AVENUE, LOUISVILLE, KY. Focal block studies of His-bundle pathways (dogs, baboons).
- R01HL-17717-01 (CVB) CONTI, C RICHARD, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Velocity of aortic blood flow in myocardial ischemia (human).
- R01HL-17718-01 (HEM) LANCHANTIN, GERARD F, ST JOSEPH MEDICAL CENTER, BUENA VISTA & ALAMEDA, BURBANK, CALIF. Subunits formed during human prothrombin activation.
- R01HL-17719-01 (CVB) TIERNEY, DONALD F, UNIV OF CALIFORNIA LOS ANGELES, 405 HILGARD AVE, LOS ANGELES, CALIF. Mechanisms of oxygen toxicity of the lung (rats).
- R01HL-17723-01 (CVA) WU, WEN-HSIEN, NEW YORK UNIV MED CENTER, 550 FIRST AVE, NEW YORK, N Y. Studies of pathophysiology of vasopressin in man.
- N01HO-32907-03 (***) HARRIS, R J, ARLINGTON, VIRGINIA. Support services for the preparation of the National Heart Plans.
- N01HO-32935-03 (***) OAKES, WILLIAM, ARLINGTON, VIRGINIA. Develop a national hypertension information and education program plan.
- N01HO-42935-00 (***) HARRIS, ROBERT, MC LEAN, VIRGINIA. Support services for the preparation of the National Heart Plan RFP 74-13.
- N01HO-42936-00 (***) SPREY, P M, ROCKVILLE, MARYLAND. Support services to the National Heart and Lung Institute.
- N01HR-12216-04 (***) COHEN, BERNICE H, BALTIMORE, MARYLAND. Family study of alpha 1 antitrypsin.
- N01HR-12218-04 (***) PIERCE, JOHN A, ST LOUIS, MISSOURI. Study proteinase inhibitor phenotypes (human).
- N01HR-12220-04 (***) PATTERSON, C D, OKLAHOMA CITY, OKLAHOMA. Study on alpha 1 antitrypsin.
- N01HR-12221-04 (***) SCHWARTZ, R H, ROCHESTER, NEW YORK. Alpha 1 antitrypsin deficiency and chronic respiratory disease (human).
- N01HR-22940-03 (***) PABK, SUNG SUH, BROOK, NEW YORK. Chronic obstructive pulmonary disease and tobacco smoking (dogs).
- N01HR-22941-02 (***) COATE, WILLIAM B, VIENNA, VIRGINIA. Physiological study of cynomolgus monkeys.
- N01HR-22942-04 (***) MILLER, R DREW, ROCHESTER, MINNESOTA. Risk factors in chronic obstructive pulmonary disease.
- N01HR-22943-03 (***) JENNE, JOHN W, ALBUQUERQUE, NEW MEXICO. Conduct studies investigating some of the immune mechanisms in chronic bronchitis.
- N01HR-22944-02 (***) TAGER, IRA, BOSTON, MASSACHUSETTS. Host factors as determinants of chronic obstructive pulmonary disease (human).
- N01HR-22985-03 (***) TOWNLEY, ROBERT G, OMAHA, NEBRASKA. Respiratory diseases.
- N01HR-32900-02 (***) ROSS, BENJAMIN B, PORTLAND, OREGON. Pilot study to standardize the measurement of 'closing volume' (human).
- N01HR-32901-02 (***) HACKNEY, JACK D, DOWNEY, CALIFORNIA. Smoking and other pollutants in chronic airways obstructions (human).
- N01HR-32902-01 (***) MACKLEM, PETER T, MONTREAL, CANADA. Pilot study to standardize the measurement of 'closing volume' (human).
- N01HR-32903-02 (***) CHERNIACK, REUBEN M, MANTOBA, CANADA. Pilot study to standardize the measurement of 'closing volume' (human).
- N01HR-32906-01 (***) KASS, EDWARD H, BOSTON, MASSACHUSETTS. Population studies on respiratory diseases.
- N01HR-33001-01 (***) SODOL, I E, DENVER, COLORADO. High performance respiratory mass spectrometer.
- N01HR-33002-03 (***) PORTNER, PIER M, BERKELEY, CALIFORNIA. Prototype pulmonary function analyzer.
- N01HR-33003-01 (***) AISENBERG, SOL, WALTHAM, MASSACHUSETTS. Development of an implantable oxygen sensor.
- N01HR-40044-00 0073 (***) ABRAMSON, SAMUEL. Survey of data on child abuse.
- N01HR-42912-00 (***) BOUHUYS, AREND, NEW HAVEN, CONNECTICUT. Population studies on respiratory diseases.
- N01HR-42913-00 (***) DETELS, ROGER, LOS ANGELES, CALIFORNIA. Population studies on respiratory diseases.
- N01HR-42915-00 (***) THOMAS, ARTHUR N, SAN FRANCISCO, CALIFORNIA. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42916-00 (***) BARTLETT, ROBERT H, IRVINE, CALIFORNIA. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42917-01 (***) HILL, J DONALD, SAN FRANCISCO, CALIFORNIA. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42918-00 (***) DRINKER, PHILIP A, BOSTON, MASSACHUSETTS. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42919-00 (***) ZAPOL, WARREN M, BOSTON, MASSACHUSETTS. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42920-00 (***) PROCTOR, H J, CHAPEL HILL, NORTH CAROLINA. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42921-00 (***) MORRIS, ALAN H, SALT LAKE CITY, UTAH. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42922-01 (***) EDMUNDS, I HENRY, PHILADELPHIA, PENNSYLVANIA. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42923-00 (***) PIERCE, F CONVERSE, NEW YORK, NEW YORK. Extracorporeal support for respiratory insufficiency (human).
- N01HR-42936-00 (***) FRANZBLAU, CARL, BOSTON, MASSACHUSETTS. Separation, characterization of lung elastin (organ culture, rat, chick, human).
- N01HR-42939-00 (***) POWERS, JAMES C, ATLANTA, GEORGIA. Synthesis of elastase inhibitors.
- N01HR-42940-00 (***) HOSPELHORN, VERNE D, SARANAC LAKE, NEW YORK. Separation and characterization of lung elastin.
- N01HR-42941-00 (***) GALLOP, PAUL M, BOSTON, MASSACHUSETTS. Separation and characterization of lung elastin (animals).
- N01HR-42942-00 (***) SANDBERG, LAWRENCE B, SALT LAKE CITY, UTAH. Separation and characterization of lung elastin (pigs).
- N01HR-42943-00 (***) ROSENBLUM, JOEL, PHILADELPHIA, PENNSYLVANIA. Separation and characterization of lung elastin (organ cultures).
- N01HR-42944-00 (***) YASUNGBU, KERRY T, HONOLULU, HAWAII. Separation and characterization of lung elastin.
- N01HR-42955-00 (***) ZWEIMAN, BURTON, PHILADELPHIA, PENNSYLVANIA. In vitro test for sarcoidosis (human).
- N01HR-42956-00 (***) STEPLEWSKI, ZENON S, PHILADELPHIA, PENNSYLVANIA. In vitro test for sarcoidosis (human).
- N01HR-42957-00 (***) SULTZBACH, LOUIS E, NEW YORK, NEW YORK. In vitro test for sarcoidosis.
- N01HR-42958-00 (***) MANDELL, GERALD L, CHARLOTTESVILLE, VIRGINIA. In vitro tests for sarcoidosis (human).
- N01HR-42959-00 (***) KUEPPERS, FRIEDRICH, ROCHESTER, MINNESOTA. In vitro test for sarcoidosis (human).
- N01HR-42964-00 (***) TUCKER, HARVEY J, SAN FRANCISCO, CALIFORNIA. Educational programs for treatment of acute respiratory insufficiency.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- NO1HR-42965-00 (**) SAFAR, PETER, PITTSBURGH, PENNSYLVANIA. Educational program for treatment of acute respiratory insufficiency.
- NO1HR-42966-00 (**) SHINNICK, JAMES P., PHILADELPHIA, PENNSYLVANIA. Educational program for treatment of acute respiratory insufficiency.
- NO1HR-42967-00 (**) TALAMO, RICHARD C., BALTIMORE, MARYLAND. Alpha-1-antitrypsin reference laboratory (human).
- PO1HS-00013-03 (HSR) FREDSON, ELIOT L., NEW YORK UNIVERSITY, DEPARTMENT OF SOCIOLOGY, NEW YORK, N. Y. Explorations in health services.
- RO1HS-00026-05 (HSR) HULKA, BARBARA, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF EPIDEMIOLOGY, CHAPEL HILL, N. C. Organization, utilization and assessment of primary health care.
- R18HS-00029-06 (HSDG) SILVER, HENRY K., UNIVERSITY OF COLORADO MEDICAL, DENVER, COLO. Research to increase health services to children.
- RO1HS-00041-04 (HSR) FELDSTEIN, PAUL J., M3041 THOMAS FRANCIS BLDG, 109 OBSERVATORY, ANN ARBOR, MICH. An econometric model of medical care market.
- R18HS-00060-05 (HCT) RAPPOPORT, ARTHUR E., YOUNGSTOWN HOSP ASSOC, GYPSY LANE & GOLETA, YOUNGSTOWN, OHIO. Computers-automation-Impact on laboratory management.
- RO1HS-00075-10 (HCT) SELIGSON, DAVID, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Use of computer to improve clinical laboratory.
- PO1HS-00080-09 (HSR) ANDERSON, ODIN W., UNIVERSITY OF CHICAGO, 5720 SOUTH WOODLAWN AVE, CHICAGO, ILL. Health administration studies.
- PO1HS-00080-09 0001 (HSR) ANDERSON, ODIN W. Health administration studies-Medical care.
- PO1HS-00080-09 0002 (HSR) ANDERSON, ODIN W. Health administration studies-Patterns of utilization.
- PO1HS-00080-09 0003 (HSR) ANDERSON, ODIN W. Health administration studies-Research on delivery system (human).
- PO1HS-00080-09 0004 (HSR) ANDERSON, ODIN W. Health administration studies-Research on hospitals.
- PO1HS-00080-09 0005 (HSR) ANDERSON, ODIN W. Health administration studies-Health policy.
- RO1HS-00090-10 (HCT) FLAGLE, CHARLES D., SCHOOL OF HYG AND PUBLIC HLTH, 615 NORTH WOLFE STREET, BALTIMORE, MD. Operations research in the health services.
- PO1HS-00110-11 (HSR) WHITE, KERR L., JOHN HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Medical care and patient care research program (human).
- PO1HS-00110-11 0001 (HSR) TENNEY, JAMES B. Medical care and patient care research program (human)-Ambulatory medical care feasibility study.
- PO1HS-00110-11 0002 (HSR) KOHN, ROBERT. Medical care and patient care research program (human)-Comparative study of health service system.
- PO1HS-00110-11 0003 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Studies on the evaluation of pediatric care.
- PO1HS-00110-11 0004 (HSR) WERD, LAWRENCE L. Medical care and patient care research program (human)-Quality control and the medical record archives of internal medicine.
- PO1HS-00110-11 0005 (HSR) NAVARRO, VICENTE. Medical care and patient care research program (human)-Review of planning methods.
- PO1HS-00110-11 0006 (HSR) WILLIAMSON, JOHN W. Medical care and patient care research program (human)-Assessing outcome of medical care.
- PO1HS-00110-11 0007 (HSR) WHITE, KERR L. Medical care and patient care research program (human)-Ecology of medical care.
- PO1HS-00110-11 0008 (HSR) BONNET, PHILIP D. Medical care and patient care research program (human)-Hospitals activities and productivity analysis.
- PO1HS-00110-11 0009 (HSR) BONNET, PHILIP D. Medical care and patient care research program (human)-Distribution of levels of care.
- PO1HS-00110-11 0010 (HSR) KOHN, ROBERT. Medical care and patient care research program (human)-Development of health accounts.
- PO1HS-00110-11 0011 (HSR) LERNER, MONROE. Medical care and patient care research program (human)-Research design in evaluation of medical care programs.
- PO1HS-00110-11 0012 (HSR) PETERSON, M. L. Medical care and patient care research program (human)-Delivery of primary care by non-physicians.
- PO1HS-00110-11 0013 (HSR) WILLIAMSON, JOHN W. Medical care and patient care research program (human)-Health benefit analysis.
- PO1HS-00110-11 0014 (HSR) BICE, THOMAS. Medical care and patient care research program (human)-Evaluation of a new community health center.
- PO1HS-00110-11 0015 (HSR) BICE, THOMAS. Medical care and patient care research program (human)-Utilization profiles over time.
- PO1HS-00110-11 0016 (HSR) NAVARRO, VICENTE. Medical care and patient care research program (human)-Health planning and comprehensive health services statewide.
- PO1HS-00110-11 0017 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Utilization of child health service.
- PO1HS-00110-11 0018 (HSR) STOLLEY, PAUL D. Medical care and patient care research program (human)-Pediatric drug monitoring service.
- PO1HS-00110-11 0019 (HSR) SCHACH, ELIZABETH. Medical care and patient care research program (human)-International collaborative study of medical care utilization.
- PO1HS-00110-11 0020 (HSR) TENNEY, JAMES B. Medical care and patient care research program (human)-Continuity of care.
- PO1HS-00110-11 0021 (HSR) AMSSEL ZMI. Medical care and patient care research program (human)-Screening the elderly for physical impairment.
- PO1HS-00110-11 0022 (HSR) BERDIT, MARTIN. Medical care and patient care research program (human)-Use of medical records by physicians.
- PO1HS-00110-11 0023 (HSR) BONITO, ARTHUR. Medical care and patient care research program (human)-Medical care plan in a poverty area.
- PO1HS-00110-11 0024 (HSR) MURNAGHAN, JANE H. Medical care and patient care research program (human)-Health services information system.
- PO1HS-00110-11 0025 (HSR) KOHN, ROBERT. Medical care and patient care research program (human)-The doctor and society.
- PO1HS-00110-11 0026 (HSR) LERNER, MONROE. Medical care and patient care research program (human)-Study of Baltimore city hospitals.
- PO1HS-00110-11 0027 (HSR) LERNER, MONROE. Medical care and patient care research program (human)-Levels of health and socio-economic strata.
- PO1HS-00110-11 0028 (HSR) LERNER, MONROE. Medical care and patient care research program (human)-Development of index community health.
- PO1HS-00110-11 0029 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Race in diagnosis and treatment of mental illness.
- PO1HS-00110-11 0030 (HSR) WILLIAMSON, JOHN W. Medical care and patient care research program (human)-Efficacy information retrieval study.
- PO1HS-00110-11 0031 (HSR) WILLIAMSON, JOHN W. Medical care and patient care research program (human)-Evaluating the health care of children.
- PO1HS-00110-11 0032 (HSR) WILLIAMSON, JOHN W. Medical care and patient care research program (human)-Bibliography of effectiveness and efficiency of medical care.
- PO1HS-00110-11 0033 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Medical record in pediatric practice.
- PO1HS-00110-11 0034 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Problems and accessibility of child health service in Baltimore.
- PO1HS-00110-11 0035 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Screening for phenylketonuria in United Kingdom.
- PO1HS-00110-11 0036 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Large hospital outpatient department utilization.
- PO1HS-00110-11 0037 (HSR) STARFIELD, BARBARA. Medical care and patient care research program (human)-Disenrollment in prepaid group practice.
- PO1HS-00110-11 0038 (HSR) BICE, THOMAS. Medical care and patient care research program (human)-Validating the household survey.
- PO1HS-00110-11 0039 (HSR) BICE, THOMAS. Medical care and patient care research program (human)-Corporate decision-making in health sector.
- PO1HS-00110-11 0040 (HSR) NAVABRO, VICENTE. Medical care and patient care research program (human)-Monograph on regional health planning.
- PO1HS-00110-11 0043 (HSR) STOLLEY, PAUL D. Medical care and patient care research program (human)-Epidemiology of thromboembolism in relation to oral contraceptives.
- PO1HS-00110-11 0044 (HSR) KOHN, ROBERT. Medical care and patient care research program (human)-Canadian health care experience and its implication for the US.
- PO1HS-00110-11 0045 (HSR) STOLLEY, PAUL D. Medical care and patient care research program (human)-Drug utilization review in prepaid practice.
- PO1HS-00110-11 0046 (HSR) STOLLEY, PAUL D. Medical care and patient care research program (human)-Three area stroke study.
- PO1HS-00110-11 0047 (HSR) STOLLEY, PAUL D. Medical care and patient care research program (human)-Peer review mechanism.
- PO1HS-00110-11 0040 (HSR) BUCK, CHARLES R. Medical care and patient care research program (human)-Management and information system in a hospital.
- PO1HS-00110-11 0049 (HSR) MUSHLIN, ALVIN. Medical care and patient care research program (human)-Care in prepaid group practice.
- PO1HS-00110-11 0050 (HSR) MUSHLIN, ALVIN. Medical care and patient care research program (human)-Quality assurance in prepaid group practice.
- PO1HS-00110-11 0051 (HSR) MUSHLIN, ALVIN. Medical care and patient care research program (human)-Usefulness of a health questionnaire.
- PO1HS-00110-11 0052 (HSR) MUSHLIN, ALVIN. Medical care and patient care research program (human)-.
- PO1HS-00110-11 0053 (HSR) MUSHLIN, ALVIN. Medical care and patient care research program (human)-Visits in prepaid group practice.
- PO1HS-00110-11 0054 (HSR) TENNEY, JAMES B. Medical care and patient care research program (human)-Ambulatory medical care survey project.
- PO1HS-00110-11 0055 (HSR) WILLIAMSON, JOHN W. Medical care and patient care research program (human)-Health accounting project.
- PO1HS-00110-11 0056 (HSR) MURNAGHAN, JANE H. Medical care and patient care research program (human)-For-profit sector in health service system.
- RO1HS-00117-08 (HSR) COLOMBOTOS, JOHN, COLUMBIA UNIVERSITY RES UNIT, 100 HAVEN AVENUE NO 19E, NEW YORK, N. Y. Physicians view social changes in medicine (human).
- RO1HS-00163-07 (SRC) THOMPSON, JOHN D., YALE SCHOOL OF MEDICINE, 60 COLLEGE STREET, NEW HAVEN, CONN. Development of a generalized hospital planning system.
- R18HS-00175-05 (HCT) WEED, LAWRENCE L., MEDICAL CENTER HOSPITAL, MARY FLETCHER UNIT, PROMIS LAB, BURLINGTON, VT. Automation of a problem-oriented medical record (human).
- RO1HS-00188-05 (HCT) BLEICH, HOWARD L., BETH ISRAEL HOSPITAL, 330 BROOKLINE AVENUE, BOSTON, MASS. Computer-medicine laboratory.
- RO1HS-00209-05 (HSR) FINK, BAYMOND, HLTH INS PLAN OF GREATER N. Y., 625 MADISON AVENUE, NEW YORK, N. Y. Poverty and non-poverty groups in multiphasic screening (human).
- R18HS-00218-04 (HSDG) ROGERS, KENNETH D., UNIVERSITY OF PITTSBURGH, M200 SCAIFE HALL, PITTSBURGH, PA. Community based primary health care.
- R18HS-00228-05 (HSDG) GRIFFITH, JOHN R., SCHOOL OF PUBLIC HEALTH, 109 OBSERVATORY STREET, ANN ARBOR, MICH. Demonstration of a hospital management monitoring system.
- RO1HS-00236-10 (HCT) VALINSKY, DAVID, MT SINAI SCHOOL OF MEDICINE, 19 EAST 98TH STREET, NEW YORK, N. Y. Optimum utilization of hospital ancillary services.
- RO1HS-00240-05 (COM) BARNETT, G OCTO, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Hospital computer project.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01HS-00272-06 (HSR) FIELD, MARK G, BOSTON UNIVERSITY, 96 CUMMINGTON ST. BOSTON, MASS. Comparative health systems-Evolution and convergence.	P16HS-00472-06 0005 (HSR) KEAIRNES, H W. Health services research center-Regional medical programs coronary activity (human).
R01HS-00284-05 (HSR) FELDSTEIN, MARTIN S, HARVARD UNIVERSITY, 1737 CAMBRIDGE STREET, RM. CAMBRIDGE, MASS. An econometric model of the health care sector.	P16HS-00472-06 0006 (HSR) JONES, E W. Health services research center-Perinatal mortality and occupation of father.
R18HS-00287-05 (HSDG) CAUFFMAN, JOY G, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Community health agency information referral system (human).	P16HS-00472-06 0007 (HSR) DENSEN, PAUL M. Health services research center-Basic record systems of health manpower training.
R18HS-00321-04 (HSDG) WILLIAMS, THOMAS P, MONROE COMMUNITY HOSPITAL, 435 E HENRIETTA ROAD, ROCHESTER, N Y. Evaluation-placement of the chronically ill and aged (human).	P16HS-00472-06 0008 (HSR) DENSEN, PAUL M. Health services research center-Emergency room study.
R01HS-00368-12 (HSR) HOLLISTER, A C, CALIFORNIA DEPT OF PUB HLTH, 2151 BERKELEY WAY, BERKELEY, CALIF. Human population laboratory for epidemiologic studies.	P16HS-00472-06 0009 (HSR) DENSEN, PAUL M. Health services research center-Producing uniform data for health care plans.
R01HS-00408-05 (HSR) FEINSTEIN, ALVAN R, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Improvement of methodology for clinical evaluations.	P16HS-00472-06 0010 (HSR) WEISS, R J. Health services research center-Nurse practitioner clinic.
R01HS-00422-05 (HSR) LOGAN, EDDIE W, MILTON OLIVE III MEMORIAL CORP, POST OFFICE DRAWER, D, LEXINGTON, MISS. Ecology of migrant peoples-Mississippi.	P16HS-00472-06 0011 (HSR) KASS, E H. Health services research center-Cooperation and management in chronic disease (human).
P16HS-00429-04 (HSR) SHAPIRO, SAM, HLTH SERV RES & DEVELOP CTR, 624 NORTH BROADWAY, BALTIMORE, MD. Health services research and development center.	P16HS-00472-06 0012 (HSR) DENSEN, PAUL M. Health services research center-Alternative models of vision care (human).
P16HS-00429-04 0001 (HSR) PETERSON, MALCOLM L. Health services research and development center-Data information system.	P16HS-00472-06 0013 (HSR) ROBERTSON, R. Health services research center-Economic evaluation of a health center.
P16HS-00429-04 0002 (HSR) PETERSON, MALCOLM L. Health services research and development center-Systems design.	P16HS-00472-06 0014 (HSR) WEISS, R J. Health services research center-Health center costs analysis.
P16HS-00429-04 0003 (HSR) PETERSON, MALCOLM L. Health services research and development center-Health manpower.	P16HS-00472-06 0015 (HSR) WEISS, R J. Health services research center-Health center record system.
P16HS-00429-04 0004 (HSR) PETERSON, MALCOLM L. Health services research and development center-Costs and financing.	P16HS-00472-06 0016 (HSR) FRAZIER, T M. Health services research center-Vital statistics and hospital licensure (human).
P16HS-00429-04 0005 (HSR) SHAPIRO, SAM. Health services research and development center-Drug studies program.	P16HS-00472-06 0017 (HSR) JONES, E W. Health services research center-Stoma incidence study (human).
P16HS-00429-04 0006 (HSR) SHAPIRO, SAM. Health services research and development center-Quality of care studies.	P16HS-00472-06 0018 (HSR) FRAZIER, T M. Health services research center-Statistics in national health planning.
P16HS-00429-04 0007 (HSR) SHAPIRO, SAM. Health services research and development center-Health assessment program (HAP).	P16HS-00472-06 0019 (HSR) DENSEN, PAUL M. Health services research center-Study for community care-Massachusetts General Hospital.
P16HS-00429-04 0008 (HSR) SHAPIRO, SAM. Health services research and development center-Health care of the aged study.	P16HS-00472-06 0020 (HSR) KEAIRNES, H W. Health services research center-Multi-phasic screening center.
P01HS-00451-07 (HSR) GROSSMAN, MICHAEL, NATL BUR OF ECONOMIC RESEARCH, 261 MADISON AVENUE, NEW YORK, N Y. Economics of health research program.	P16HS-00472-06 0021 (HSR) DENSEN, PAUL M. Health services research center-Medical program for title XIX recipients.
P01HS-00467-06 (HSR) HAGGERTY, ROBERT J, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Community child health studies.	P16HS-00472-06 0022 (HSR) DENSEN, PAUL M. Health services research center-Incentive reimbursement experiment.
R01HS-00469-06 (HSR) ENTERLINE, PHILIP E, UNIVERSITY OF PITTSBURGH, 130 DESOTO STREET, PITTSBURGH, PA. Effects of Medicare on physician utilization.	P16HS-00472-06 0023 (HSR) HERZLINGER, R. Health services research center-Management control system on neighborhood health center.
P16HS-00471-06 (SRC) ELLWOOD, PAUL M, JR, INST FOR INTERDISCIPLINARY STU, 123 E GRANT STREET, MINNEAPOLIS, MO. Health services research center.	P16HS-00472-06 0024 (HSR) DENSEN, PAUL M. Health services research center-Trends in health-insurance operating expense.
P16HS-00471-06 0001 (SRC) ELLWOOD, PAUL M JR. Health services research center-Development of health maintenance organizations.	P16HS-00472-06 0025 (HSR) DENSEN, PAUL M. Health services research center-Patient classification project.
P16HS-00471-06 0008 (SRC) ELLWOOD, PAUL M JR. Health services research center-Public general hospitals.	P16HS-00472-06 0026 (HSR) DENSEN, PAUL M. Health services research center-Data system in prepaid group practice.
P16HS-00471-06 0006 (SRC) CARLSON, RICK J. Health services research center-Medical injury compensation system relating to medical malpractice.	P16HS-00472-06 0027 (HSR) JONES, E W. Health services research center-Chronic respiratory disease studies (human).
P16HS-00471-06 0008 (SRC) SCHNEIDER, ROBERT. Health services research center-Effects of federal medical programs on structure of health care delivery system.	P16HS-00472-06 0028 (HSR) MINBEAR, RALPH E. Health services research center-Health policy research.
P16HS-00471-06 0010 (SRC) ATHELSTAN, GARY. Health services research center-Minnesota physician manpower.	P16HS-00472-06 0029 (HSR) RASHI, F. Health services research center-National health insurance.
P16HS-00471-06 0012 (SRC) ELLWOOD, PAUL M JR. Health services research center-Regulation of costs of medical care.	P16HS-00472-06 0030 (HSR) FEIN, R. Health services research center-Medical education.
P16HS-00471-06 0013 (SRC) ELLWOOD, PAUL M JR. Health services research center-Regulation of quality of medical care.	P16HS-00472-06 0031 (HSR) DENSEN, PAUL M. Health services research center-Health policy programs in Scandinavia and United Kingdom.
P16HS-00471-06 0014 (SRC) ELLWOOD, PAUL M JR. Health services research center-Regulation of distribution of medical care services.	P16HS-00472-06 0032 (HSR) DENSEN, PAUL M. Health services research center-Child health demonstration-Framingham (human).
P16HS-00471-06 0015 (SRC) ELLWOOD, PAUL M JR. Health services research center-Health maintenance organizations and development of information system.	P16HS-00472-06 0033 (HSR) LA ROCCO, AUGUST. Health services research center-Bookshelf in public health, medical care and allied fields.
P16HS-00471-06 0016 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Simulating structural change in the health care delivery system.	P16HS-00472-06 0034 (HSR) LA ROCCO, AUGUST. Health services research center-Planning for hospital discharge.
P16HS-00471-06 0017 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Structural characteristics of health care delivery system.	P16HS-00472-06 0035 (HSR) MARZOT, M G. Health services research center-Health outreach program.
P16HS-00471-06 0018 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Monitoring structural change in the health care delivery system.	P16HS-00472-06 0036 (HSR) DENSEN, PAUL M. Health services research center-Health vocational training program.
P16HS-00471-06 0019 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Persuasive communications and informed consumer choice.	P16HS-00472-06 0037 (HSR) WEISS, R J. Health services research center-Health center marketing survey.
P16HS-00471-06 0020 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Commercial health insurance and structure of health care delivery system.	P16HS-00472-06 0038 (HSR) DENSEN, PAUL M. Health services research center-Testing peer and utilization review in an ambulatory case setting.
P16HS-00471-06 0021 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Survey of the application of antitrust to health services.	P16HS-00472-06 0039 (HSR) DENSEN, PAUL M. Health services research center-Community-wide hypertension detection and treatment program.
P16HS-00471-06 0022 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Analysis of for-profit hospital entry conditions.	P16HS-00472-06 0040 (HSR) DENSEN PAUL M. Health services research center-Incentives to consumers to forego practices destructive to their health.
P16HS-00471-06 0023 (SRC) ELLWOOD, PAUL M, JR.. Health services research center-Analysis of national health insurance plans.	P16HS-00472-06 0041 (HSR) DENSEN, PAUL M. Health services research center-Teaching case report series on incentives.
P16HS-00472-06 (HSR) DENSEN, PAUL M, HARVARD MED SCH, 643 HUNTINGTON AVE, BOSTON, MASS. Health services research center.	P16HS-00472-06 0042 (HSR) DENSEN, PAUL M. Health services research center-Description of some incentive reimbursement plan.
P16HS-00472-06 0001 (HSR) WEISS, R J. Health services research center-Health, incorporated record system.	P16HS-00472-06 0043 (HSR) DENSEN, PAUL M. Health services research center-Data base for foreign medical graduates.
P16HS-00472-06 0002 (HSR) KEAIRNES, H W. Health services research center-Stroke unit evaluation study (human).	P16HS-00472-06 0044 (HSR) DENSEN, PAUL M. Health services research center-Minority study program.
P16HS-00472-06 0003 (HSR) FELDMAN, J. Health services research center-Low hematocrit among school children.	P16HS-00472-06 0045 (HSR) DENSEN, PAUL M. Health services research center-Evaluation of HIP's incentive reimbursement experiment.
P16HS-00472-06 0004 (HSR) KEAIRNES, H W. Health services research center-Coronary care nurse training programs (human).	P16HS-00472-06 0046 (HSR) DENSEN, PAUL M. Health services research center-Emergency room study.
	R18HS-00525-04 (SSS) BARNHARD, HOWARD J, UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM, LITTLE ROCK, ARK. Diagnostic radiology information system (phase 3).
	R01HS-00541-03 (HSR) TURK, HERMAN, UNIVERSITY OF SOUTHERN CALIFOR, 3717 SOUTH GRAND AVENUE, LOS ANGELES, CALIF. Interorganizational networks of urban health services.
	R18HS-00558-04 (SRC) LAWRENCE, DAVID M, MEDEY PROGRAM, 444 N E RAVENNA BLVD SUITE 309, SEATTLE, WASH. MEDEX demonstration program.
	R18HS-00567-04 (SRC) ROSENBAUM, HAROLD D, UNIVERSITY OF KENTUCKY MED CTR, DEPT OF DIAGNOSTIC RADIOLOGY, LEXINGTON, KY. Project to improve utilization of radiologic manpower.
	R18HS-00568-02 (SRC) JACOBS, ARTHUR R, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. MEDEX demonstration program-Northern New England.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R18HS-00588-04 (HSDG) MEGLEN, MARIE C, UNIVERSITY MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MISS. Cost effect and potential of a new maternal-infant health care team.
- P01HS-00620-04 (HSR) WOLFE, SAMUEL, MEHARRY MEDICAL COLLEGE, 1005 18TH AVENUE, NORTH, NASHVILLE, TENN. Multiple effects of alternative health care services.
- P01HS-00620-04 0005 (HSR) WOLFE, SAMUEL. Multiple effects of alternative health care services—Goals for 1973.
- P01HS-00620-04 0006 (HSR) WOLFE, SAMUEL. Multiple effects of alternative health care services—Study of unmet needs.
- P01HS-00620-04 0003 (HSR) WOLFE, SAMUEL. Multiple effects of alternative health care services—Consumer evaluation study.
- P01HS-00620-04 0009 (HSR) WOLFE, SAMUEL. Multiple effects of alternative health care services—Blood-pressure study.
- P01HS-00620-04 0010 (HSR) WOLFE, SAMUEL. Multiple effects of alternative health care services—Monitoring of births, perinatal death and all deaths.
- P01HS-00620-04 0011 (HSR) WOLFE, SAMUEL. Multiple effects of alternative health care services—Alternative health services.
- P01HS-00620-04 0012 (HSR) WOLFE, SAMUEL. Multiple effects of alternative health care services—Data processing.
- P01HS-00624-04 (HSR) CANNELL, CHARLES F, UNIVERSITY OF MICHIGAN, 426 THOMPSON STREET, ANN ARBOR, MICH. Program of research in interviewing methods.
- R18HS-00674-03 (HSDG) HARING, OLGA M, NORTHWESTERN UNIV MED SCH, 303 E CHICAGO AVENUE, CHICAGO, ILL. Improving patient care by automated record summaries.
- R18HS-00694-02 (HSR) RICHARDSON, WILLIAM C, DEPT OF HEALTH SERVICES SC-37, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Model city health care evaluation (human).
- R01HS-00696-04 (HCT) NEURATH, PETER W, TUFTS-NEW ENGLAND MEDICAL CTR, 171 HARRISON AVENUE, BOSTON, MASS. Development of differential white cell count system.
- R18HS-00702-03 (HCT) BUSH, J W, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF COMMUNITY MED, LA JOLLA, CALIF. Outcome measurement using a health status index (human).
- R01HS-00709-04 (HCT) RISING, EDWARD J, UNIVERSITY OF MASSACHUSETTS, DEPT INDUS ENGR & OPERA RES, AMHERST, MASS. Design and evaluation methodology for outpatient systems.
- R01HS-00714-03 (HCS) WOLFE, HARVEY, UNIVERSITY OF PITTSBURGH, 1044 BENEDEUM HALL, PITTSBURGH, PA. Regional allocation of high cost health services.
- R18HS-00715-02 (SRC) SMALLLEY, HAROLD E, GEORGIA INST OF TECHNOLOGY, 225 NORTH AVENUE N W, ATLANTA, GA. A simulation model for emergency medical systems (Atlanta).
- R18HS-00739-03 (SRC) COHEN, STANLEY M, STANFORD MEDICAL CENTER, DEPT OF MEDICINE, RM 5-169, STANFORD, CALIF. A computer-based drug interaction warning system (human).
- R01HS-00767-04 (HSR) STEVENS, ROSEMARY A, YALE UNIVERSITY, 60 COLLEGE STREET, NEW HAVEN, CONN. Foreign medical graduates and American medicine.
- R01HS-00773-03 (HSR) LEWIS, CHARLES E, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HLTH SCIS, LOS ANGELES, CALIF. Emerging patterns of health care for young people.
- R18HS-00785-03 (HSDG) MC CALLUM, CHARLES A, UNIVERSITY OF ALABAMA, SCHOOL OF DENTISTRY, BIRMINGHAM, ALA. Demonstration of a new delivery system for dental care (human).
- R18HS-00798-04 (SRC) COSTLOW, MILLARD S, MISSISSIPPI STATE MED ASSOC, 735 RIVERSIDE DRIVE, JACKSON, MISS. Experimental medical care review organizations (Mississippi).
- R18HS-00808-04 (HSDG) RESPESS, JAMES C, FLORDON DRIVE, ROUTE 250 WEST, CHARLOTTESVILLE, VA. Experimental medical care review organization.
- R18HS-00812-03 (SRC) ATKINS, EARNEST C, MEDICAL ASSOCIATION OF GEORGIA, 938 PEACHTREE STREET, N E, ATLANTA, GA. Experimental medical care review organization (Georgia).
- R01HS-00830-03 (HCT) BRUNJES, SHANNON D, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Automated ambulatory medical record system for HMO's.
- R01HS-00831-03 (HSR) REEDER, LEO G, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, LOS ANGELES, CALIF. Development of health survey reference index.
- R18HS-00838-02 (SRC) KODLIN, DANKWARD, THE PERMANENTE MEDICAL GROUP, 3779 PIEDMONT AVENUE, OAKLAND, CALIF. Performance of automated diagnosis in multiphasic screening.
- R21HS-00056-02 (HSR) SMALLWOOD, RICHARD D, STANFORD UNIVERSITY, DEPT OF ENGR-ECONOMIC SYSTEMS, STANFORD, CALIF. Decision analysis in regional health care planning.
- R18HS-00072-03 (HSDG) STANLEY, WILLIAM F, US PHS INDIAN HOSPITAL, CASS LAKE, MINN. Pharmacist as a primary provider of maintenance care.
- R01HS-00874-03 (HSR) ROEMER, MILTON I, UNIVERSITY OF CALIFORNIA, SCHOOL OF PUBLIC HEALTH, LOS ANGELES, CALIF. Ambulatory health services—Organization, problems and future models.
- R18HS-00883-03 (SRC) ROSS, SHIRLEY A, MARION COUNTY GENERAL HOSPITAL, 960 LOCKE STREET, INDIANAPOLIS, IND. Family nurse practitioner program.
- R18HS-00884-03 (SRC) MACPHAIL, JANNETTA, CASE WESTERN RESERVE UNIVERSITY, 2121 ABINGTON RD, CLEVELAND, OHIO. Primary health practitioner program.
- R18HS-00885-03 (SRC) ISAACS, GERTRUDE, FRONTIER NURSING SERVICE, HYDEN, KY. Primex-family nurse training program in rural areas.
- R18HS-00886-03 (SRC) ARCHER, SARA K, VANDERBILT UNIVERSITY, SCHOOL OF NURSING, NASHVILLE, TENN. Primex demonstration project proposal.
- R01HS-00889-03 (HSR) SCHULMAN, JEROME L, CHILDREN'S MEMORIAL HOSPITAL, 2300 CHILDREN'S PLAZA, CHICAGO, ILL. Experiments in communication of medical information.
- R01HS-00900-03 (HSR) SILVER, GEORGE A, 60 COLLEGE STREET, NEW HAVEN, CONN. The impact of federal health policy (Connecticut).
- R01HS-00903-03 (HSR) SHERWOOD, SYLVIA R, FALL RIVER HOUSING AUTHORITY, 1401 CENTRE STREET, ROSALINDALE, MASS. The effects of medically orientated housing.
- R18HS-00929-03 (SRC) BOYDEN, GEORGE M, N MEX FDN FOR MED CARE, 1009 BRADBURY DRIVE, S E, ALBUQUERQUE, N MEX. Develop, test, and evaluate professional review.
- R18HS-00962-02 (SRC) MARIENFELD, CARL J, UNIVERSITY OF MISSOURI, ROUTE 4, COLUMBIA, MO. Morbidity and mortality data in health planning.
- R18HS-00985-03 (SRC) LEWIS, CHARLES E, UNIVERSITY OF CALIFORNIA, 405 HILGARD, LOS ANGELES, CALIF. Training and evaluation of Primex.
- R21HS-01036-02 (HSR) PHILLIPS, LAD, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ECONOMICS, SANTA BARBARA, CALIF. Perinatal mortality and health services productivity.
- R18HS-01040-02 (HSDG) HUNTLEY, ROBERT R, GEORGETOWN UNIVERSITY, WASHINGTON, D C. Program project in evaluative research in HMO's.
- R18HS-01043-01 (HSDG) CUMMINGS, VICTOR, BRONX MUNICIPAL HOSPITAL CENTE, PELHAM PARKWAY SO, BRONX, N Y. Day hospital service in rehabilitation medicine.
- P01HS-01053-03 (HCS) WARNER, HOMER R, LATTER-DAY SAINTS HOSPITAL, 325 8TH AVENUE, SALT LAKE CITY, UTAH. Automated health services.
- P01HS-01053-03 0001 (HCS) WARNER, HOMER R. Automated health services—Decision-making from clinical laboratory data (human).
- P01HS-01053-03 0002 (HCS) WARNER, HOMER R. Automated health services—Administered sequential Bayesian calculations (human).
- P01HS-01053-03 0003 (HCS) WARNER, HOMER R. Automated health services—Computer assisted instruction.
- P01HS-01053-03 0004 (HCS) GARDNER, REED M. Automated health services—Microwave communication link (human).
- P01HS-01053-03 0005 (HCS) WARNER, HOMER R. Automated health services—Computer interpretation of the electrocardiogram (human).
- P01HS-01053-03 0006 (HCS) WARNER, HOMER R. Automated health services—Health evaluation through logical processing (human).
- P01HS-01053-03 0007 (HCS) WARNER, HOMER R. Automated health services—Evaluation of pulmonary function (human).
- P01HS-01053-03 0008 (HCS) WARNER, HOMER R. Automated health services—Computerized respiratory monitoring (human).
- P01HS-01053-03 0009 (HCS) WARNER, HOMER R. Automated health services—On-line computerized blood analysis (human).
- P01HS-01053-03 0010 (HCS) PRICE, WALTER G. Automated health services—Voice response system.
- P01HS-01053-03 0011 (HCS) OLMSTEAD, CHARLES M. Automated health services—Boolean logic automated history (human).
- P01HS-01053-03 0012 (HCS) WARNER, HOMER R. Automated health services—Evaluation of ECG analysis (human).
- P01HS-01053-03 0013 (HCS) MORGAN, JOHN D. Automated health services—Peer review.
- P01HS-01053-03 0014 (HCS) WABNER, HOMER R. Automated health services—Evaluation of tonometry.
- P01HS-01053-03 0015 (HCS) WARNER, HOMER R. Automated health services—Evaluation of computer monitoring (human).
- P01HS-01053-03 0016 (HCS) WARNER, HOMER R. Automated health services—Pulmonary laboratory automation (human).
- P01HS-01053-03 0017 (HCS) WARNER, HOMER R. Automated health services—Echocardiography (dogs).
- P01HS-01053-03 0018 (HCS) WARNER, HOMER R. Automated health services—Automation of the outpatient department.
- P01HS-01053-03 0019 (HCS) WARNER, HOMER R. Automated health services—Physical examination computerization (human).
- P01HS-01053-03 0020 (HCS) WARNER, HOMER R. Automated health services—Computer technology applied to rural health care (human).
- P01HS-01053-03 0021 (HCS) WARNER, HOMER R. Automated health services—Pharmacy computerization (human).
- R18HS-01054-03 (HCT) SIMON, MORRIS, BETH ISRAEL HOSPITAL, 331 BROOKLINE AVENUE, BOSTON, MASS. Coded language information processing for radiology.
- R18HS-01056-02 (HSDG) TRUELOVE, JAMES W, UNIVERSITY OF ALABAMA, BIRMINGHAM, ALA. Proficiency test development.
- R18HS-01059-03 (SRC) KATZ, SIDNEY, MICHIGAN STATE UNIVERSITY, 281 EAST FEE HALL, EAST LANSING, MICH. Community care—Chronic disease service module.
- R18HS-01078-02 (SRC) MOORE, WILLIAM S, TRINITY UNIVERSITY, 715 STADIUM DRIVE, BOX 253, SAN ANTONIO, TEX. Health planning, using the health services simulator.
- R18HS-01114-01 (LTC) GARWOOD, KENNETH, AMERICAN NURSING HOME ASSN, 1200 15TH STREET, N W, WASHINGTON, D C. Cost data reporting system for nursing home care.
- R18HS-01115-01 (LTC) MC BRIDE, HUBLEN G, AMER ASSN/HOMES FOR AGING, 14TH & F STREETS, N W, WASHINGTON, D C. Cost data reporting system for nursing home care.
- R18HS-01116-02 (SRC) HUMPHREY, ALAN B, UNIVERSITY OF ARIZONA, COLLEGE OF MEDICINE, TUCSON, ARIZ. Data system for hospital and ambulatory patient care.
- R18HS-01124-01 (SRC) SANCHEZ, YOLANDA, 1945 THIRD AVENUE, NEW YORK, N Y. Education for better use of health services by Puerto-Ricans in East Harlem.
- R18HS-01132-01 (SRC) DUNN, DONALD W, 1906 INGERSOLL AVENUE, DES MOINES, IOWA. Long term care component—lowa health data system.
- R18HS-01134-03 (SRC) LEFF, JACK, OFFICE OF ELDER AFFAIRS, 18 TREMONT STREET, BOSTON, MASS. Home care—An alternative to institutionalization.
- R18HS-01146-02 (HSDG) DOWLING, WILLIAM L, UNIVERSITY OF MICHIGAN, 1420 WASHINGTON HEIGHTS, ANN ARBOR, MICH. Health administrator functions and roles—Study of and training for.
- R01HS-01152-02 (HSR) COOPER, RICHARD V, RAND CORPORATION, 1700 MAIN STREET, SANTA MONICA, CALIF. Hospital productivity and costliness.
- R21HS-01165-02 (HSR) HOLTSMANN, ALPHONSE G, S U N Y-AT BINGHAMTON, DEPARTMENT OF ECONOMICS, BINGHAMTON, N Y. Time in demand and supply of medical care.
- R01HS-01189-02 (HSR) GREENBLEY, JAMES R, UNIVERSITY OF WISCONSIN, 8139 SOCIAL SCIENCE BLDG, MADISON, WIS. Help-seeking experiences and agency characteristics.
- R18HS-01193-02 (HSDG) TUCKER, W RANDOLPH, RUSH-PRESBY ST LUKE'S MED CTR, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Credentialing health personnel by licensed hospitals.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R18HS-01195-03 (HCT) SIEGEL, JOHN H, BUFFALO GENERAL HOSPITAL, 100 HIGH STREET, BUFFALO, N Y. Computer based consultation in care of critically ill.	R01HS-01472-01 (HCT) MORGAN, ALFRED P, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. Computer aids to therapy in critical care.
R18HS-01195-03 0001 (HCT) SIEGEL, JOHN H. Computer based consultation in care of critically ill—Automated consultation.	R01HS-01474-01 (HCT) WEL, MAX H, UNIV OF SOUTHERN CALIFORNIA, 1322 NORTH VERMONT AVENUE, LOS ANGELES, CALIF. Medical decision system emergency and critical care.
R18HS-01195-03 0002 (HCT) SIEGEL, JOHN H. Computer based consultation in care of critically ill—Automated cardiovascular pulmonary evaluation.	R18HS-01481-01 (HCT) CASTLE, CHARLES H, UNIVERSITY OF UTAH, 50 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH. Salmon-Challis medical communications project.
R18HS-01195-03 0003 (HCT) SIEGEL, JOHN H. Computer based consultation in care of critically ill—Myocardial function in human shock.	R01HS-01486-01 (HSR) FRIEDMAN, GARY D, KAISER FDN RESEARCH INST, OAKLAND, CALIF. Multiphasic checkup evaluation study.
R18HS-01197-02 (SRC) GITTELSON, ALAN M, COOPERATIVE HLTH INFOR CTR, 25 COLCHESTER AVENUE, BURLINGTON, VT. Vermont model health statistics system.	R01HS-01495-01 (HSR) GREENBERG, GEORGE D, UNIVERSITY OF MICHIGAN, 5638 HAVEN HALL, ANN ARBOR, MICH. Federal program implementation in selected states.
R18HS-01202-02 (HCT) BILLMEYER, DANIEL K, PHYSICIANS ASSOC-CLACKAMAS CTY, 18600 S E, MCLOUGHLIN BLVD, GLADSTONE, OREG. Implementation of mumps system to a decentralized HMO.	R18HS-01499-01 (SRC) BAKER, THOMAS H, 4900 SUNSET BOULEVARD, LOS ANGELES, CALIF. Quality of care study.
R18HS-01210-02 (HCT) WILSON, WILLIAM J, UNIVERSITY OF NEBRASKA, 42ND & DEWEY AVENUE, OMAHA, NEBR. Evaluation of remote radiographic communications.	R18HS-01501-01 (NSS) PROUT, CURTIS, PRISON HEALTH PROJECT, 80 BOYLSTON STREET, BOSTON, MASS. Comprehensive health prison health project.
R18HS-01220-02 (SRC) SAN AGUSTIN, MUTYA, COMPREHENSIVE HEALTH CARE PROJ, 230 EAST 162 STREET, BRONX, N Y. Child health care delivery—Comparative evaluation.	R01HS-01507-01 (HSDG) SMITH, DAVID G, SWARTHMORE COLLEGE, SWARTHMORE, PENN. Local administrative effects of federal health grants.
R18HS-01222-02 (HSDG) HOLLOWAY, DON C, UNIVERSITY OF CALIFORNIA, 412 WARREN HALL, BERKELEY, CALIF. Decision analysis for concurrent medical review.	R18HS-01508-01 (HCT) WEINTRAUB, HERBERT D, FRAMMINGHAM UNION HOSPITAL, DEPARTMENT OF RADIOLOGY, FRAMMINGHAM, MASS. Rapid telephone access of radiology reports.
R18HS-01233-02 (HSDG) STORRER, RICHARD L, HOSP EDUC & RESEARCH FDN, 1200 CAMP HILL BY-PASS BOX 608, CAMP HILL, PA. Alternate regulation of health personnel.	R01HS-01516-01 (HSR) LAVE, JUDITH R, CARNEGIE-MELLON UNIVERSITY, SCH OF URBAN & PUBLIC AFFAIRS, PITTSBURGH, PA. Analysis of hospital charges and length of stay.
R01HS-01241-02 (HSR) WESSEN, ALBERT F, BROWN UNIVERSITY, DEPARTMENT OF SOCIOLOGY, PROVIDENCE, R I. Affiliation with providers and use of medical care.	R01HS-01529-01 (HSR) LAVE, LESTER B, CARNEGIE-MELLON UNIVERSITY, GRADUATE SCH OF INDUSTRIAL ADM, PITTSBURGH, PA. A systems model for health care delivery.
R18HS-01248-02 (SRC) PLATT, KENNETH A, COLORADO FDN FOR MEDICAL CARE, 1601 EAST 19TH AVENUE, DENVER, COLO. Project to improve health care effectiveness.	R01HS-01532-01 (HSR) BARON, DAVID P, NORTHWESTERN UNIVERSITY, LEVERONE HALL, EVANSTON, ILL. Hospital cost functions, shared services and mergers.
R18HS-01250-02 (LTC) FLAGLE, CHARLES D, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD. Health manpower for long term care.	R18HS-01533-01 (HCT) MOLNAR, CHARLES E, WASHINGTON UNIVERSITY, 724 SOUTH EUCLID AVENUE, ST LOUIS, MO. Broadcast computer system for patient history taking.
R18HS-01310-02 (SRC) MUSHUN, ALVIN I, COLUMBIA MEDICAL PLAN, BANNEKER ROAD, COLUMBIA, MD. Population based quality assurance in health maintenance organizations.	R18HS-01534-01 (LTC) RAMEY, J WENDELL, MON VALLEY COMMUNITY HLTH CTR, EASTGATE 8, MONESSEN, PA. Model services delivery system for the aging.
R18HS-01320-02 (SRC) LEWIS, CHARLES E, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. University hospital EMCRO.	R01HS-01539-01 (HSR) HAVIGHURST, CLARK C, DUKE UNIVERSITY, SCHOOL OF LAW, DUEHAM, N C. Legal issues in health care.
R01HS-01329-01 (HSR) SALKEVER, DAVID S, JOHNS HOPKINS SCH OF HYG & P H, 615 NORTH WOLFE STREET, BALTIMORE, MD. Economic determinants of ambulatory care use.	R18HS-01540-01 (HSDG) ZIMMERMAN, JOAN, BIOMEDICAL COMPUTER LABORATORY, 700 SOUTH EUCLID, ST LOUIS, MO. Pilot project, mumps users group.
R01HS-01332-02 (HSR) MADISON, DONALD L, UNIVERSITY OF NORTH CAROLINA, HEALTH SERVICES RESEARCH CTR, CHAPEL HILL, N C. Stability of physician staff in large organization.	R18HS-01544-01 (HCT) COHEN, STANLEY N, STANFORD UNIVERSITY, ROOM S-169, STANFORD, CALIF. Computer based consultation in clinical therapeutics.
R18HS-01333-02 (SRC) CONANT, LUCY H, UNIVERSITY OF NORTH CAROLINA, CARRINGTON HALL, CHAPEL HILL, N C. Family nurse practitioner in North Carolina—PRIMEX.	R18HS-01545-01 (HSDG) BAILIT, HOWARD L, UNIVERSITY OF CONNECTICUT HEAL, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN. Dental practice profiles—A quality assessment model (human).
R18HS-01366-02 (SRC) LAMBERTSEN, ELEANOR C, CORNELL UNIVERSITY, 1320 YORK AVENUE, NEW YORK, N Y. Physician-extender primex.	R18HS-01546-01 (HSDG) LUSTED, LEE B, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Radiologic diagnosis—Definition of standards of care.
R18HS-01366-02 0001 (SRC) LAMBERTSEN, ELEANOR C. Physician-extender primex—Role of family nurse in care of controlled chronic disease patients.	R18HS-01547-01 (NSS) SPARER, EDWARD V, UNIV OF PENNSYLVANIA LAW SCH, 3400 CHESTNUT STREET, PHILADELPHIA, PA. Health law project.
R18HS-01366-02 0002 (SRC) LAMBERTSEN, ELEANOR C. Physician-extender primex—Educational program to prepare family nurse practitioners.	R18HS-01561-01 (HSDG) CAMPBELL, WILLIAM, 4707 S E HAMTHORNE BLVD, PORTLAND, OREG. Treatment and costs for drug related morbidities.
R18HS-01366-02 0003 (SRC) LAMBERTSEN, ELEANOR C. Physician-extender primex—Role relationships between nurses and physicians.	R01HS-01563-02 (HCS) MERSHBERG, PHILIP I, SCHOOL OF MEDICINE, BOSTON UNIVERSITY, BOSTON, MASS. Medical history question—A health screening test.
R18HS-01366-02 0004 (SRC) LAMBERTSEN ELEANOR C. Physician-extender primex—Effectiveness of the family nurse.	R21HS-01563-02 (HSR) SCOTT, W RICHARD, STANFORD UNIVERSITY, DEPARTMENT OF SOCIOLOGY, STANFORD, CALIF. The informative process in medical care (human).
R01HS-01381-01 (HSR) GLASSER, JAY M, UNIVERSITY OF TEXAS, P O BOX 20186, ASTRO STATION, HOUSTON, TEX. Biometric methods for health research data.	R21HS-01567-01 (HSR) DOUGLAS, DOROTHY J, UNIVERSITY OF IOWA, COLLEGE OF MEDICINE, IOWA CITY, IOWA. Care evaluation in university and community hospitals.
R18HS-01385-01 (HCT) SHOWALTER, VERNON C, GARFIELD PARK COMMUNITY HOSP, 3821 WEST WASHINGTON BLVD, CHICAGO, ILL. Telecommunications in a health care delivery system.	R01HS-01568-01 (HSR) MILES, DAVID L, LAWRENCE COUNTY HOSPITAL ASSOC, 109 HOSPITAL STREET, MOULTON, ALA. Health care evaluation project.
R18HS-01390-01 (HCT) GRAVENSTEIN, JOACHIM S, UNIVERSITY HOSPITAL, 2065 ADELBERT ROAD, CLEVELAND, OHIO. Laser mediated telemedicine anesthesia.	R01HS-01569-01 (COM) BRUNJES, SHANNON D, YALE UNIV SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Clinical computer resource related research project.
R18HS-01391-02 (HCT) FREUND, LOUIS E, DEPT OF INDUSTRIAL ENGINEERING, UNIVERSITY OF MISSOURI, COLUMBIA, MO. Optimal nursing assignments based on difficulty.	R18HS-01571-01 (HCT) LUCAS, FRED V, UNIVERSITY OF MISSOURI, DEPARTMENT OF PATHOLOGY, COLUMBIA, MO. Automated physicians assistant.
R18HS-01392-02 (HCT) MARSHALL, CARTER L, MIT SINAI SCH OF MED - C U N Y, FIFTH AVE & 100TH STREET, NEW YORK, N Y. East Harlem broadband health communications network.	R01HS-01577-01 (HSR) BRUNJES, SHANNON D, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Quality of care and an HMO automated medical record.
R01HS-01408-01 (HSR) RABIN, DAVID I, GEORGETOWN UNIVERSITY, 311 KOBER COGAN BUILDING, WASHINGTON, D C. Medicine use (human).	R18HS-01581-01 (HSDG) CUMMING, GORDON R, HOSP EDUC FDN OF CALIFORNIA, 925 L STREET SUITE 1250, SACRAMENTO, CALIF. Hospital regulatory reporting system—A demonstration.
R01HS-01413-01 (HSR) NUTT, PAUL C, 5721 ODANA AVENUE, MADISON, WIS. Comparative study of health program design strategies.	R01HS-01582-01 (HSR) MC CARRREE, KENNETH M, BATTELLE MEMORIAL INSTITUTE, 4000 N E 41ST STREET, SEATTLE, WASH. Economic analysis Washington state nursing home data.
R18HS-01427-01 (HSDG) SCOTT, H DENMAN, R I HEALTH SERVICES RES, INC, 56 PINE STREET, PROVIDENCE, R I. Assessment of prospective reimbursement.	R01HS-01583-01 (HSR) PAYNE, BEVERLY C, UNIVERSITY OF MICHIGAN, 4661 KRESGE I, ANN ARBOR, MICH. Method of evaluating and improving ambulatory care quality.
R01HS-01440-01 (HSR) DRAKE, ALVIN W, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVE, CAMBRIDGE, MASS. Blood donor motivation and recruitment.	R21HS-01585-01 (HSR) ORDEN, SUSAN R, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Northwestern University Medical School clinic.
R21HS-01447-01 (HSR) GARY, LAWRENCE E, INST FOR URBAN AFFAIRS & RES, P O BOX 191, WASHINGTON, D C. Socio-political impact of sickle cell disease.	R18HS-01589-01 (HSDG) VALLBONA, CARLOS, DEPT OF COMMUNITY MEDICINE, BAYLOR COLLEGE OF MEDICINE, HOUSTON, TEX. Emergency care quality—Usefulness of patient profiles.
R18HS-01449-01 (HCT) YAMAMOTO, WILLIAM S, GEO WASHINGTON UNIV MED CENTER, 2300 K STREET N W, WASHINGTON, D C. Demonstration of health care technology.	R01HS-01590-01 (HSR) WILLIAMSON, JOHN W, 4601 STEBBINS, 615 N WOLFE STREET, BALTIMORE, MD. Evaluating an outcome based quality assurance system.
R18HS-01454-02 (NSS) RAMEY, J WENDELL, MON VALLEY COMM HLTH CTR, EASTGATE 8, MONESSEN, PA. Central intake and referral approach to the delivery of human services.	R18HS-01591-01 (HCT) PEPER, WILLIAM R, INTERSTUDY, 123 EAST GRANT STREET, MINNEAPOLIS, MINN. Innovative technology in a rural health care system.
R21HS-01465-01 (HSR) EMBERY, JOHN T, UNIVERSITY OF ARIZONA, COLL OF BUSINESS & PUB ADMIN, TUCSON, ARIZ. Financing health care through private capital markets.	R01HS-01596-01 (HSDG) KANE, ROBERT L, UNIVERSITY OF UTAH, 50 NO MEDICAL DRIVE, SALT LAKE CITY, UTAH. Quality assessment methods in primary care.
R18HS-01467-01 (HCT) EDMUNDS, L HENRY, JR, HOSP-UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Evaluation of computer-aided care after heart surgery (human).	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1HS-01611-01 (MSR) GERTMAN, PAUL M, BOSTON UNIVERSITY, 75 EAST NEWTON STREET, BOSTON, MASS. A study of preventable hospital admissions.
- R18HS-01613-01 (MCT) STARMER, C FRANK, DUKE HOSPITAL, BOX 3181, DURHAM, N. C. Laboratory for development of health information system.
- R18HS-01621-01 (HSDG) JOHNSON, RICHARD B, HEALTH SERVICES RESEARCH CENTE, 4610 S E BELMONT, PORTLAND, OREG. Studying the impact of patient drug profiles in HMO.
- RO1HS-01622-01 (MSR) HUBBARD, GLEBE A, DE ANZA COLLEGE, 21250 STEVENS CREEK BLVD, CUPERTINO, CALIF. Perceptions of health in a Mexican-American community.
- RO1HS-01623-01 (MSR) FRIEDMAN, BERNARD S, BROWN UNIVERSITY, DEPARTMENT OF ECONOMICS, PROVIDENCE, R I. Family investment in child health.
- RO1HS-01628-01 (HSDG) SECHREST, LEE, FLORIDA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, TALLAHASSEE, FLA. Use of research findings in policy decisions.
- R21HS-01630-01 (MSR) GASKINS, DARIUS W, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ECONOMICS, BERKELEY, CALIF. Multivariate analysis of health behavior.
- R18HS-01638-01 (LTC) MC CAPPREE, KENNETH M, HUMAN AFFAIRS RESEARCH CENTERS, 4000 N E 41ST STREET, SEATTLE, WASH. Evaluation of outcome of nursing home care.
- R18HS-01640-01 (HSDG) BUSSMAN, JOHN W, MULTNOMAH FDM FOR MEDICAL CARE, 5319 S W WESTGATE DRIVE, PORTLAND, OREG. Utilizing peer review data to meet multi-user needs.
- R21HS-01644-01 (MCT) WORTMAN, PAUL M, NORTHWESTERN UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, EVANSTON, ILL. An evaluation of a computerized ECG analysis system.
- RO1HS-01649-01 (HSDG) HORN, BARBARA J, SCHOOL OF PUBLIC HEALTH II, 109 OBSERVATORY, ANN ARBOR, MICH. Development of criterion measures of nursing care.
- RO1HS-01653-01 (MSR) GLASSER, JAY H, UNIVERSITY OF TEXAS, P O BOX 20186 ASTRODOME STATIO, HOUSTON, TEX. Analysis of utilization of a comprehensive HMO.
- R21HS-01658-01 (MCT) WILLEMAN, THOMAS R, MASS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Models for health care decentralization.
- R18HS-01665-01 (HSDG) JACOBS, ARTHUR R, DEPARTMENT OF COMMUNITY MEDICI, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. Task activities of emergency medical service.
- R18HS-01678-01 (NSS) LEE, SUSANNE M, AMERICAN PUBLIC HEALTH ASSOCIA, 1015 18TH STREET, N W, WASHINGTON, D C. Community health education project.
- R18HS-01680-01 (NSS) PARKER, ALBERTA W, UNIVERSITY EXTENSION, 2223 FULTON STREET, BERKELEY, CALIF. Primary health care study program.
- R18HS-01687-01 (HSDG) BAKER, THOMAS H, SOUTH CALIF PERMANENTE MED GRP, 1505 NORTH EDMONT, LOS ANGELES, CALIF. Outreach and transportation study.
- RO1HS-01698-01 (MCT) THOMPSON, JOHN D, YALE UNIV SCH OF MEDICINE, 60 COLLEGE STREET, NEW HAVEN, CONN. Publication of 'The Hospital Ward Book'.
- NO1HV-02069-06 (***) HINKLE, LAWRENCE E, JR, NEW YORK, NEW YORK. Myocardial infarction and sudden cardiac death (human).
- NO1HV-02073-08 (***) FRIEDMAN, MEYER, SAN FRANCISCO, CALIFORNIA. Study of sudden cardiac death victims from Marin county.
- NO1HV-02074-05 (***) BASHE, WINSLOW J, COLUMBUS, OHIO. Study onset of myocardial infarction and sudden death.
- NO1HV-02081-18 (***) HARKER, REED, SALT LAKE CITY, UTAH. Test and evaluation facility for Artificial Heart Program.
- NO1HV-02243-04 (***) TEDSCH, LUKE, FRAMINGHAM, MASSACHUSETTS. Performance of beta quantifications.
- NO1HV-02268-05 (***) ROSEMAN, RAY H, SAN FRANCISCO, CALIFORNIA. Data collection and examinations in San Francisco area.
- NO1HV-12035-12 (***) KITRAKIS, SOTHRIS, EMERYVILLE, CALIFORNIA. Fabrication of implantable artificial heart devices.
- NO1HV-12047-09 (***) NUWAYSER, ELIE S, CAMBRIDGE, MASSACHUSETTS. Fabrication of artificial heart devices.
- NO1HV-12060-07 (***) MANSFIELD, PETER B, SEATTLE, WASHINGTON. Development of tissue cultured endothelium for vascular prosthetic devices.
- NO1HV-12065-09 (***) BORNHORST, WALTER, WALTHAM, MASSACHUSETTS. Fabrication of implantable artificial heart devices.
- NO1HV-12156-04 (***) GOTTO, ANTONIO M, JR, HOUSTON, TEXAS. Lipid research clinic (human).
- NO1HV-12157-04 (***) BIERMAN, EDWIN L, SEATTLE, WASHINGTON. Lipid research clinic (human).
- NO1HV-12158-05 (***) KWITEROVICH, PETER O, BALTIMORE, MARYLAND. Establishment of a lipid research clinic (human, mammals non-human).
- NO1HV-12159-04 (***) SHEPHERD, I THOMAS, BIRMINGHAM, ALABAMA. Lipid research clinic (human).
- NO1HV-12168-05 (***) BROWN, WILLIAM V, LA JOLLA, CALIFORNIA. Establishment of a lipid research clinic (human).
- NO1HV-12161-05 (***) FARQUHAR, JOHN W, STAMFORD, CALIFORNIA. Establishment of lipid research clinic (human).
- NO1HV-12243-05 (***) GRIZZLE, JAMES E, CHAPEL HILL, NORTH CAROLINA. Lipid clinic patient registry and coordinating center.
- NO1HV-12307-05 (***) CHRISTIAN, JOE C, BLOOMINGTON, INDIANA. Examine adult male twins (human).
- NO1HV-12433-05 (***) KASS, EDWARD H, BOSTON, MASSACHUSETTS. Therapy for hypertension in the general population.
- NO1HV-12434-04 (***) HAMES, CURTIS G, CLAXTON, GEORGIA. Therapy for hypertension in the general population.
- NO1HV-12435-09 (***) CASTLE, CHARLES H, SALT LAKE CITY, UTAH. Therapy for hypertension in the general population.
- NO1HV-12436-05 (***) MAXWELL, MORTON M, LOS ANGELES, CALIFORNIA. Hypertension therapy in the general population.
- NO1HV-12437-05 (***) LANGFORD, HERBERT L, JACKSON, MISSISSIPPI. Therapy for hypertension in the general population.
- NO1HV-12438-07 (***) PINNERTY, FRANK A, JR, WASHINGTON, DISTRICT OF COLUMBIA. Therapy for hypertension in the general population.
- NO1HV-12439-06 (***) ENTWISLE, G, BALTIMORE, MARYLAND. Therapy for hypertension in the general population.
- NO1HV-12440-08 (***) SCHNAPER, HAROLD W, BIRMINGHAM, ALABAMA. Therapy for hypertension in the general population (human).
- NO1HV-12441-08 (***) STAMLER, JEREMIAH, EVANSTON, ILLINOIS. Study hypertension in general population.
- NO1HV-12442-07 (***) HAWKINS, MORTON C, HOUSTON, TEXAS. Therapy for hypertension in the general population.
- NO1HV-12474-04 (***) DODGE, HAROLD T, SEATTLE, WASHINGTON. Sudden cardiac death and myocardial infarction.
- NO1HV-12477-08 (***) FRIEDMAN, GARY D, OAKLAND, CALIFORNIA. Sudden cardiac death and myocardial infarction (human).
- NO1HV-12478-05 (***) ROSEN, KENNETH M, CHICAGO, ILLINOIS. Sudden cardiac death and onset of myocardial infarction (human).
- NO1HV-12479-04 (***) LEVINE, HERBERT, BOSTON, MASSACHUSETTS. Sudden cardiac death and myocardial infarction (human).
- NO1HV-12431-05 (***) OLIVER, G CHARLES, ST LOUIS, MISSOURI. Cardiac arrhythmias and sudden cardiac death (human).
- NO1HV-12482-03 (***) HARRISON, DONALD C, STAMFORD, CALIFORNIA. Sudden cardiac death and myocardial infarction (human).
- NO1HV-12489-05 (***) ADOLPH, ROBERT, CINCINNATI, OHIO. Research in ischemic, infarcted and scarred myocardium (animals).
- NO1HV-12491-08 (***) EBER, LESLIE, LOS ANGELES, CALIFORNIA. Radioassay of myocardial disorders (human, mammals nonhuman).
- NO1HV-12493-04 (***) SCHWARTZ, ARNOLD, HOUSTON, TEXAS. Myocardial repair (mammals nonhuman).
- NO1HV-12494-03 (***) WILLIAMSON, JOHN R, PHILADELPHIA, PENNSYLVANIA. Minimizing infarct size and enhancing myocardial repair (rats).
- NO1HV-12498-03 (***) HOOD, WILLIAM B, BOSTON, MASSACHUSETTS. Interventions to enhance myocardial repair (mammals nonhuman).
- NO1HV-12499-05 (***) MOROAN, HOWARD E, UNIVERSITY PARK, PENNSYLVANIA. Myocardial repair study (rats, minipigs).
- NO1HV-12516-03 (***) NONE, BETHESDA, MARYLAND. Evaluate cardiology training and manpower requirements.
- NO1HV-22017-08 (***) LELE, PADMAKAR P, CAMBRIDGE, MASSACHUSETTS. Ultrasonic techniques to quantify the size of scarred myocardium.
- NO1HV-22900-04 (***) BLAIR, MC CLELLAN G, LEECHBURG, PENNSYLVANIA. Develop radioisotope powered total hear replacement system.
- NO1HV-22913-03 (***) CONNOR, WILLIAM E, IOWA CITY, IOWA. Lipid research clinic (human).
- NO1HV-22914-04 (***) KASHYAP, M L, CINCINNATI, OHIO. Establishment of a lipid research clinic.
- NO1HV-22915-03 (***) FRANTZ, IVAN D, JR, MINNEAPOLIS, MINNESOTA. Establishment of lipid research clinic.
- NO1HV-22916-03 (***) SCHONFELD, GUSTAV, ST LOUIS, MISSOURI. Establishment of a lipid research clinic.
- NO1HV-22917-04 (***) LITTLE, ALICK, TORONTO, CANADA. Lipid research clinic (human).
- NO1HV-22923-04 (***) TURNER, DGROTHEA, CHICAGO, ILLINOIS. Educational diagnosis in nutrition counseling.
- NO1HV-22931-06 (***) BLAUFOX, MORTON D, BRONX, NEW YORK. Therapy for hypertension in general population.
- NO1HV-22932-02 (***) BRADFORD, REAGAN H, OKLAHOMA CITY, OKLAHOMA. Establishment of a lipid research clinic.
- NO1HV-22937-03 (***) BERMAN, REUBEN, MINNEAPOLIS, MINNESOTA. Therapy for hypertension in general population.
- NO1HV-22938-07 (***) TUTTLE, ELBERT P, ATLANTA, GEORGIA. Therapy for hypertension in general population.
- NO1HV-22939-05 (***) DAUGHERTY, SANDRA A, EAST LANSING, MICHIGAN. Hypertension detection and follow-up program center.
- NO1HV-22945-05 (***) BORHANI, NEMAT O, DAVIS, CALIFORNIA. Cooperative hypertension detection and follow-up study (human).
- NO1HV-22947-02 (***) WILLERSON, JAMES T, DALLAS, TEXAS. Intervention to protect ischemic myocardium, minimize infarct (mammals).
- NO1HV-22948-02 (***) JONES, CARL E, JACKSON, MISSISSIPPI. Intervention to protect ischemic myocardium and minimize infarct size (mammals).
- NO1HV-22949-02 (***) BRAUNWALD, EUGENE, BOSTON, MASSACHUSETTS. Reduction of myocardial injury after coronary occlusion (human).
- NO1HV-22953-02 (***) FOX, ARTHUR C, NEW YORK, NEW YORK. Lysosomal mechanisms in tissue damage during myocardial infarction (mammals).
- NO1HV-22970-02 (***) REGAN, TIMOTHY J, NEWARK, NEW JERSEY. Ischemic myocardium and infarct size (animal).
- NO1HV-22971-03 (***) KJELSBORG, MARCUS O, MINNEAPOLIS, MINNESOTA. Prevention of coronary heart disease.
- NO1HV-22972-02 (***) SCHERLAG, B J, MIAMI BEACH, FLORIDA. Studies of arrhythmias in relation to coronary heart disease.
- NO1HV-22973-02 (***) KATZ, ARNOLD M, NEW YORK, NEW YORK. Investigation of lethal arrhythmias in coronary heart disease (dogs).
- NO1HV-22974-02 (***) HAN, JOAK, ALBANY, NEW YORK. Lethal arrhythmias in relation to coronary heart disease (dogs).
- NO1HV-22975-02 (***) MYERBURG, ROBERT J, CORAL GABLES, FLORIDA. Lethal arrhythmias associated with coronary heart disease (human).
- NO1HV-22976-03 (***) BLACKBURN, HENRY, MINNEAPOLIS, MINNESOTA. Multiple risk factor intervention trial, prevention of coronary heart disease.
- NO1HV-22977-05 (***) BORHANI, NEMAT O, DAVIS, CALIFORNIA. Multiple risk factor intervention trial, prevention of coronary heart disease.
- NO1HV-22978-05 (***) STAMLER, JEREMIAH, CHICAGO, ILLINOIS. Multiple risk factor intervention trial, prevention of coronary heart disease.
- NO1HV-22979-03 (***) DALEN, JAMES, CAMBRIDGE, MASSACHUSETTS. Multiple risk factor intervention trial, prevention of coronary heart disease.
- NO1HV-22988-03 (***) SHERWIN, ROGER W, BALTIMORE, MARYLAND. Multiple risk factor intervention trial for coronary heart disease prevention.
- NO1HV-22981-04 (***) HULLEY, STEPHEN B, SAN FRANCISCO, CALIFORNIA. Multiple risk factor intervention trial, prevention of coronary heart disease.
- NO1HV-22982-02 (***) ZIMMERMAN, HERBERT B, ST LOUIS, MISSOURI. Multiple risk factor intervention trial for prevention of coronary heart disease.
- NO1HV-22983-03 (***) WYNDER, ERNEST L, NEW YORK, NEW YORK. Prevention of coronary disease.
- NO1HV-22984-04 (***) JENNINGS, ROBERT B, EVANSTON, ILLINOIS. Protecting ischemic myocardium (mammals).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- NO1HV-22988-02 (**) ABILDSKOY, J A, SALT LAKE CITY, UTAH. Arrhythmias in relation to coronary heart disease (human).
- NO1HV-22989-02 (**) BIGGER, JOHN T, JR, NEW YORK, NEW YORK. Lethal arrhythmias in coronary heart disease.
- NO1HV-32915-04 (**) BORNHORST, WALTER J, WALTHAM, MASSACHUSETTS. Materials development and testing of flocking materials.
- NO1HV-32924-02 (**) ROBINSON, THOMAS C, EMERYVILLE, CALIFORNIA. Development and testing of electro-pneumatic drive consoles.
- NO1HV-32925-04 (**) HOLLECK, GERHARD, WALTHAM, MASSACHUSETTS. Development and testing of energy converter for cardiac devices.
- NO1HV-32930-02 (**) RUDNICKI, M I, SACRAMENTO, CALIFORNIA. Development of Stirling cycle energy-conversion.
- NO1HV-32931-04 (**) LA ROSA, JOHN C, WASHINGTON, DISTRICT OF COLUMBIA. Establishment of a lipid research clinic center.
- NO1HV-32933-01 (**) SCHNEIDER, K A, CHICAGO, ILLINOIS. Hypertension detection and follow-up program central laboratory.
- NO1HV-32966-02 (**) PIERCE, WILLIAM S, HERSHEY, PENNSYLVANIA. Development and evaluation of artificial heart (cattle).
- NO1HV-32973-05 (**) KRONMAL, RICHARD A, SEATTLE, WASHINGTON. Coordinating center for collaborative studies on coronary artery surgery.
- NO1HV-32974-03 (**) ALDERMAN, E L, STANFORD, CALIFORNIA. Collaborative studies on coronary artery surgery (human).
- NO1HV-32975-03 (**) JUDKINS, MELVIN P, LOMA LINDA, CALIFORNIA. Collaborative studies on coronary artery surgery (human).
- NO1HV-32976-04 (**) GLASSMAN, EPHRAIM, NEW YORK, NEW YORK. Collaborative studies on coronary artery surgery (human).
- NO1HV-32973-03 (**) KEMP, HARVEY G, JR, NEW YORK, NEW YORK. Collaborative studies on coronary artery surgery.
- NO1HV-32979-03 (**) GOSSELIN, AUTHUR J, MIAMI BEACH, FLORIDA. Collaborative studies on coronary artery surgery.
- NO1HV-32980-03 (**) KAISER, GEORGE C, ST LOUIS, MISSOURI. Collaborative studies on coronary artery surgery.
- NO1HV-32981-03 (**) SAUTTER, RICHARD D, MARSHFIELD, WISCONSIN. Collaborative studies on coronary artery surgery.
- NO1HV-32982-03 (**) FLEMMA, ROBERT J, MILWAUKEE, WISCONSIN. Collaborative studies on coronary artery surgery (human).
- NO1HV-32983-03 (**) BOURASSA, MARTIAL G, MONTREAL, QUEBEC. Collaborative studies on coronary artery surgery (human).
- NO1HV-32984-03 (**) BARNHORST, DONALD A, ROCHESTER, MINNESOTA. Collaborative studies on coronary artery surgery.
- NO1HV-32985-03 (**) MUNDTH, ELDRED D, BOSTON, MASSACHUSETTS. Collaborative studies on coronary artery surgery (human).
- NO1HV-32991-01 (**) SALSBURY, STEVEN, RICHLAND, WASHINGTON. Instrumentation for diagnosis and monitoring.
- NO1HV-32993-02 (**) LAINO, RONALD A, BOSTON, MASSACHUSETTS. Non-invasive methods of measure of vascular conditions (human, animals).
- NO1HV-32994-02 (**) SPENCER, MERRILL P, SEATTLE, WASHINGTON. Invasive blood flowmeters.
- NO1HV-32995-01 (**) PAUL, M H, CHICAGO, ILLINOIS. Catheter-transducer assembly for patient diagnosis and monitoring (dogs).
- NO1HV-33101-03 (**) WIDDOWSON, GRAHAM, SAN FRANCISCO, CALIFORNIA. Development and conduct of a multiple risk factor intervention trail.
- NO1HV-33104-01 (**) LASSER, NORMAN L, NEWARK, NEW JERSEY. Prevention of coronary heart disease (human).
- NO1HV-33105-01 (**) WILD, J E, OAKLAND, CALIFORNIA. Intervention trial for prevention of coronary heart disease (human).
- NO1HV-33106-02 (**) DAUBER, THOMAS R, BOSTON, MASSACHUSETTS. Intervention trial for the prevention of coronary heart disease (human).
- NO1HV-33107-01 (**) SCHNAPER, H W, BIRMINGHAM,, ALABAMA. Intervention for the prevention of coronary heart disease (men).
- NO1HV-33108-01 (**) KEZDI, PAUL, KETTERING, OHIO. Prevention of coronary heart disease (human).
- NO1HV-33109-01 (**) KULLER, LEWIS M, PITTSBURGH, PENNSYLVANIA. Intervention trial for the prevention of coronary heart disease.
- NO1HV-33110-01 (**) HOLMES, WILLIAM L, PHILADELPHIA, PENNSYLVANIA. Prevention of coronary heart disease (human).
- NO1HV-33111-01 (**) COHEN, JOEL B, PHILADELPHIA, PENNSYLVANIA. A survey of 290 twin pairs (human).
- NO1HV-42900-00 (**) JONES, I R, REDONDO BEACH, CALIFORNIA. Hybrid thermal converter for an artificial heart device.
- NO1HV-42901-00 (**) MARTINI, W R, HUNTINGTON BEACH, CALIFORNIA. Determine feasibility of Stirling cycle energy converter.
- NO1HV-42902-00 (**) GARCIA-PALMIERI, MARIO R, SAN JUAN, PUERTO RICO. Epidemiological studies of coronary heart disease (human).
- NO1HV-42904-00 (**) HARRISON, CARLOS E, ROCHESTER, MINNESOTA. Ultrasonic imaging-assessment of vascular condition.
- NO1HV-42905-00 (**) KOLFF, W J, SALT LAKE CITY, UTAH. Development of an artificial heart with intrinsic control (animals).
- NO1HV-42904-00 (**) CHAMBERS, JACK A, OXNARD, CALIFORNIA. Development and testing of circulatory assist system.
- NO1HV-42907-00 (**) NEWGARD, PETER M, MENLO PARK, CALIFORNIA. Develop energy system for artificial heart.
- NO1HV-42909-00 (**) HUFFMAN, FRED, WALTHAM, MASSACHUSETTS. Development of an energy system for implantable circulatory assist devices.
- NO1HV-42910-00 (**) KEISER, JOHN, WALTHAM, MASSACHUSETTS. Development and evaluation of unilateral and bilateral cardiac assist devices.
- NO1HV-42911-00 (**) RAUTAHARJU, P M, HALIFAX, NOVA SCOTIA, CANADA. ECG center for prevention of coronary heart disease.
- NO1HV-42914-00 (**) PORTNER, PEER M, BERKELEY, CALIFORNIA. Solenoid left ventricular assist system.
- NO1HV-42929-00 (**) GOTTLIEB, MARISE S, PISCATAWAY, NEW JERSEY. Risk factor intervention trial for the prevention of CHD (human).
- NO1HV-42930-00 (**) SCHOENBERGER, JAMES A, CHICAGO, ILLINOIS. Risk factor intervention trial for the prevention of CHD (human).
- NO1HV-42931-00 (**) MARMORSTON, JESSIE, LOS ANGELES, CALIFORNIA. Risk factor intervention trail for the prevention of CHD (human).
- NO1HV-42932-00 (**) GIESE, WARREN K, COLUMBIA, SOUTH CAROLINA. Risk factor intervention trial for the prevention of CHD (human).
- NO1HV-42933-00 (**) SASLAN, MILTON S, MIAMI, FLORIDA. Multiple risk factors in coronary heart disease.
- NO1HV-42960-00 (**) NOSE, YUKIHIKO, CLEVELAND, OHIO. Development and evaluation of cardiac prostheses (calves).
- NO1HV-42963-00 (**) LANE, W KENNETH, NEW YORK, NEW YORK. Sudden cardiac death.
- NO1HV-42974-00 (**) FRANK, CHARLES B, WASHINGTON, DISTRICT OF COLUMBIA. Care and use of spontaneously hypertensive rats.
- NO1HV-42980-00 (**) SYMIE, S L, BERKELEY, CALIFORNIA. Acculturation and coronary heart disease among Japanese.
- NO1HV-42985-08 (**) ROCHE, ALEXANDER F, YELLOW SPRINGS, OHIO. Natural history of blood pressure from infancy into adulthood (human).
- NO1HV-50038-19 (**) WORTH, ROBERT M, HONOLULU, HAWAII. Analysis of Hawaii Heart Study.
- NO1HV-51003-13 (**) STEMMERMANN, G N, HONOLULU, HAWAII. Data collection in clinical pathology and morbid anatomy.
- NO1HV-60982-13 (**) HOFFMAN, FRED N, WALTHAM, MASSACHUSETTS. Effects of additional endogenous heat (dogs, monkeys, cattle).
- NO1HV-71439-08 (**) KILLIP, T, NEW YORK, NEW YORK. Myocardial infarction research unit (human, mammals nonhuman).
- NO1HV-71440-09 (**) MORRIS, JAMES J, JR, DURHAM, NORTH CAROLINA. Myocardial infarction research unit.
- NO1HV-71441-09 (**) RACKLEY, CHARLES, BIRMINGHAM, ALABAMA. Myocardial infarction research unit (human).
- NO1HV-71443-09 (**) HABER, EDGAR, BOSTON, MASSACHUSETTS. Myocardial infarction research unit.
- NO1HV-71444-08 (**) ROSS, RICHARD S, BALTIMORE, MARYLAND. Myocardial infarction research unit.
- NO1HV-81331-08 (**) YU, PAUL N, ROCHESTER, NEW YORK. Myocardial infarction research unit (human, mammals nonhuman).
- NO1HV-81332-09 (**) ROSS, JOHN, JR, LA JOLLA, CALIFORNIA. Myocardial infarction research (human, mammals).
- NO1HV-81333-09 (**) SWAN, HAROLD J, LOS ANGELES, CALIFORNIA. Myocardial infarction research unit (human, mammals nonhuman).
- NO1HV-81334-11 (**) RESNEKOV, LEON, CHICAGO, ILLINOIS. Myocardial infarction research unit (human).
- NO1HV-81387-13 (**) MATHER, FRANK, MIDLAND, MICHIGAN. Development and evaluation of new or improved oxygenators (mammals nonhuman).
- NO1HV-81388-12 (**) BYCK, JOSEPH S, BOUND BROOK, NEW JERSEY. Develop improved ultrathin web structures.
- NO1HV-92050-10 (**) LEE, K T, ALBANY, NEW YORK. Develop models of advanced aortic atherosclerosis (miniature swine).
- NO1HV-92125-10 (**) REYNOLDS, WILLIAM E, CHICAGO, ILLINOIS. Evaluation facility for artificial heart program (mammals, dogs, cattle).
- NO1HV-92182-07 (**) BORNHORST, WALTER J, WALTHAM, MASSACHUSETTS. Develop bilateral circulatory support system (cattle).
- NO1HV-92253-12 (**) O'NEILL, C G, SAN LEANDRO, CALIFORNIA. Implantable piezoelectric drive system for artificial heart.
- NO1JT-90095-08 (**) BERGAN, JOHN J, CHICAGO, ILLINOIS. Establish a transplantation registry.
- RO11M-00003-15 (BCA) MARTINA, MARET H, ARCTIC INST OF NORTH AMERICA, 1619 NEW HAMPSHIRE AVE, N W, WASHINGTON, D C. Abstracting medical literature for Arctic bibliography.
- RO11M-00489-06 (SSS) LUTZKER, EDYTHE, 201 WEST 89TH STREET, NEW YORK, N Y. Waldemar M Haffkine-Public health pioneer.
- RO11M-00673-06 (BCA) HAA, THOMAS M, CASE WESTERN RESERVE UNIV, CLEVELAND, OHIO. Development and evaluation of instructional materials.
- R131M-00824-05 (BCA) WEBER, ALVIN F, UNIVERSITY OF MINNESOTA, DEPT OF VETERINARY ANATOMY, ST PAUL, MINN. Comparative histological nomenclature.
- RO11M-00911-03 (SSS) GRIFFITH, BELVER C, GRADUATE SCHOOL OF LIB SCIENCE, DREXEL UNIVERSITY, PHILADELPHIA, PA. Scientific communication within medical research.
- RO11M-00984-04 (HLS) SIEGEL, RUDOLPH E, 458 W DELAVAN AVENUE, BUFFALO, N Y. Galen's treatise on the diseased parts of the human.
- GO81M-01258-03 (BLR) GILLIES, ELLEN M, UNIV OF VERMONT, BURLINGTON, VT. Medical library resource project support (medical school).
- RO11M-01396-03 (HLS) HOWARD, R PALMER, UNIVERSITY OF OKLAHOMA, 800 NORTHEAST 13TH ST, OKLAHOMA CITY, OKLA. History of health in Indian and Oklahoma territories.
- RO11M-01397-02 (BLR) PLETZKE, CHESTER J, MIDWEST REGIONAL MED LIBRARY, 35 WEST 33RD STREET, CHICAGO, ILL. Study of union catalog system.
- GO81M-01412-03 (BLR) SMITH, DONN L, UNIVERSITY OF SOUTH FLORIDA, 4202 FOWLER AVENUE, TAMPA, FLA. Medical library resource project support (medical school).
- RO11M-01426-03 (BCA) GOPPMAN, WILLIAM, CASE WESTERN RESERVE UNIV, SEARS BUILDING, CLEVELAND, OHIO. A quality filtering information system.
- GO81M-01469-03 (BLR) PIZER, IRWIN H, UNIVERSITY OF ILLINOIS, P O BOX 7509, CHICAGO, ILL. Medical library resource improvement support (medical school).
- GO81M-01470-03 (BLR) PIZER, IRWIN H, UNIVERSITY OF ILLINOIS, P O BOX, CHICAGO, ILL. Medical library resource improvement support (medical school).
- GO81M-01472-03 (BLR) MC NAMARA, MARY E, WAYNE STATE UNIVERSITY, 4325 BRUSH, DETROIT, MICH. Medical library resource project support (medical school).
- GO81M-01474-03 (BLR) ADSIT, MILTON E, UNIV OF GEORGIA, COLL OF VET MED, ATHENS, GA. Medical library research project support (veterinary school).
- GO81M-01479-03 (BLR) TRUDELSON, STANLEY D, JR, YALE MEDICAL LIBRARY, NEW HAVEN, CONN. Medical library resource project support (hospitals and medical schools).
- GO81M-01507-03 (BLR) BRUDVIG, GLENN, UNIVERSITY OF MINNESOTA, DIEHL HALL, MINNEAPOLIS, MINN. Medical library resource project support (medical school).
- RO11M-01539-02 (HLS) SHERIDAN, RICHARD B, UNIVERSITY OF KANSAS, ROOM 207, SUMMERFIELD HALL, LAWRENCE, KANS. Mortality and the medical treatment of slaves.
- GO81M-01555-03 (BLR) DRAKE, MAYO, LOUISIANA STATE UNIV MED CTR, P O BOX 3932 510 E STONER AVE, SHREVEPORT, LA. Medical library resource improvement support (medical school).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01LM-01574-03 (BLR) NOBACK, RICHARDSON K, UNIVERSITY OF MISSOURI, 2220 HOLMES STREET, KANSAS CITY, MO.** Biomedical librarians in patient care settings (hospital).
- G08LM-01578-02 (BLR) LAATZ, MARY JANE, INDIANA UNIV SCH OF MED, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND.** Medical library resource project support (medical school).
- G04LM-01604-03 (BLR) HENDRICKS, DONALD D, UNIVERSITY OF TEXAS, 5323 HARRY HIMES BLVD, DALLAS, TEX.** Regional medical library support (medical school).
- G08LM-01605-03 (BLR) DUNCAN, CYNTHIA, NORTHEAST LOUISIANA UNIVERSITY, NORTHEAST STATION, MONROE, LA.** Medical library resource project support.
- G04LM-01609-03 (BLR) TIMOUR, JOHN A, COLL OF PHYSICIANS OF PHILA, 19 SOUTH 22ND ST, PHILADELPHIA, PA.** Medical library research support (medical schools).
- G08LM-01610-03 (BLR) WANNARKA, MARJORIE B, CREIGHTON UNIVERSITY, 2500 CALIFORNIA STREET, OMAHA, NEBR.** Medical library resource project support.
- R01LM-01654-02 (BCM) COLENBRANDER, AUGUST, PACIFIC MEDICAL CENTER, POST OFFICE BOX 7999, SAN FRANCISCO, CALIF.** Nomenclature for ophthalmology.
- R01LM-01655-02 (BCM) LAMPE, KENNETH F, UNIVERSITY OF MIAMI, BOX 875, BISCAYNE ANNEX, MIAMI, FLA.** Toxic plants of the Caribbean.
- R01LM-01658-03 (SSS) GREENBAUM, LOUIS S, HISTORY DEPARTMENT, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS.** Jacques Tenon and hospital reform in 18th century France.
- R01LM-01660-02 (BCM) DETWEILER, DAVID K, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA.** Critical review of dog electrocardiography.
- G08LM-01675-03 (BLR) EDDY, LEONARD M, UNIVERSITY OF OKLAHOMA, 800 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA.** Medical library resource project support (medical center).
- G08LM-01678-02 (BLR) MATTHEWS, GERALDINE M, CTRL WISCONSIN COLONY-TRNG SCH, 317 KNUTSON DRIVE, MADISON, WIS.** Medical library resource project support (medical school).
- G08LM-01681-02 (BLR) JOHNSTON, ROBERT B, JOHN F KENNEDY INST, 707 NORTH BROADWAY, BALTIMORE, MD.** Medical library resource project support (medical center).
- G08LM-01687-03 (BLR) KERKER, ANN E, PURDUE UNIVERSITY, SCH OF VETERINARY SCI & MED, WEST LAFAYETTE, IND.** Medical library resource project support (university).
- G08LM-01688-03 (BLR) EDDY, LEONARD M, UNIVERSITY OF OKLAHOMA, 800 N E 13TH STREET, OKLAHOMA CITY, OKLA.** Medical library resource project support (medical center).
- G08LM-01695-02 (BLR) MICHALOVA, DAGMAR, NEW YORK STATE DEPT OF HEALTH, NEW SCOTLAND AVENUE, ALBANY, N Y.** Medical library resource project support (public health).
- G08LM-01697-03 (BLR) GILLES, ELLEN, UNIVERSITY OF VERMONT, DANA MEDICAL LIBRARY, BURLINGTON, VT.** Medical library project resource grant (medical school).
- G08LM-01699-02 (BLR) HAPNER, ARTHUR W, HEALTH SCIENCE LIBRARY, 2205 EAST FIFTH STREET, DULUTH, MINN.** Medical library resource project support (medical school).
- R01LM-01701-02 (BCM) O'CONNOR, JOHN J, LEHIGH UNIVERSITY, 400 LINDEMAN LIBRARY, BETHLEHEM, PA.** Text searching retrieval of biomedical papers.
- R01LM-01702-01 (BLR) WALTERS, LEROY B, GEORGETOWN UNIVERSITY, 37TH & O STREETS, N W WASHINGTON, D C.** Establishing an information system for bioethics (universities).
- R01LM-01703-02 (BLR) HENRY, ROEMOL, TRANSYLVANIA UNIVERSITY, 300 NORTH BROADWAY, LEXINGTON, KY.** To catalog medical library of Transylvania University.
- R01LM-01706-03 (BLR) BRODMAN, ESTELLE, WASHINGTON UNIVERSITY, 4580 SCOTT AVENUE, ST LOUIS, MO.** Index to biomedical congress and symposia proceedings (medical school).
- G08LM-01718-03 (BLR) HITT, SAM W, TEXAS MEDICAL CENTER, INC, JESSE H JONES LIBRARY BLDG, HOUSTON, TEX.** Regional medical library support (medical center).
- G08LM-01719-03 (BLR) POLACSEK, RICHARD A, JOHNS HOPKINS UNIVERSITY, 1900 EAST MONUMENT STREET, BALTIMORE, MD.** Medical library resource project support (medical school).
- G04LM-01741-03 (BLR) BLOOMQUIST, HAROLD, HARVARD MEDICAL SCHOOL, FRANCIS A COUNTWAY LIBRARY, BOSTON, MASS.** Regional medical library support (medical school).
- G08LM-01757-01 (BLR) HITT, SAM W, TEXAS MED CTR LIBRARY, JESSE H JONES LIBR BLDG, HOUSTON, TEX.** Medical library resource support (medical and nursing schools).
- G08LM-01769-03 (BLR) BRENNEN, PATRICK W, UNIVERSITY OF SOUTH DAKOTA, VERMILLION, S DAK.** Medical library resource project support (medical school).
- G08LM-01777-01 (BLR) BUESSELER, JOHN A, TEXAS TECH UNIV SCH MED, AT LUBBOCK, LUBBOCK, TEX.** Medical library resource project support (medical school).
- R01LM-01786-02 (BCM) SOLLERS-RIEDEL, HELEN, P O BOX 19009, WASHINGTON, D C.** Synthesis of literature on mosquitoes.
- R01LM-01804-02 (HLS) KING, LESTER S, 4202 NORTH GREENVIEW, CHICAGO, ILL.** The medical enlightenment, 1695-1750.
- R13LM-01810-02 (BCM) ZWEMER, RAYMUND L, 9650 ROCKVILLE PIKE, BETHESDA, MD.** International anatomical nomenclature (U.S. participation).
- G08LM-01820-02 (BLR) SAWYER, WARREN A, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C.** Medical library resource project support.
- G07LM-01826-01 (NSS) LOWRY, THOMAS P, REPRODUCTIVE BIOLOGY RES FDM, 4910 FOREST PARK BLVD, SAINT LOUIS, MO.** Medical library resource improvement support.
- R01LM-01832-02 (BLR) @EDDES, LESLIE A, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX.** The transcribed demonstration (medical school).
- G08LM-01834-01 (BLR) GOSS, ANNE S, UNIVERSITY OF UTAH MED CTR, 10 NORTH MEDICAL DRIVE, SALT LAKE CITY, UTAH.** MEDOC-medical documents index.
- R01LM-01842-02 (HLS) BARGER, A CLIFFORD, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS.** Preparation of biography of Walter Bradford Cannon.
- R01LM-01843-02 (BLR) STARKWEATHER, JOHN A, UNIVERSITY OF CALIFORNIA, OFFICE OF INFORMATION SYSTEMS, SAN FRANCISCO, CALIF.** Expandable system for computer-based learning.
- G08LM-01845-02 (BLR) SWANSON, WILLIAM H, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF.** Medical library resource project support (hospital).
- G08LM-01846-02 (BLR) OATHOUT, MELVIN C, CAMARILLO STATE HOSPITAL, PROFESSIONAL LIBRARY, CAMARILLO, CALIF.** Medical library resource project support (medical center).
- R01LM-01855-02 (BLR) KAMP, MARTIN, UNIVERSITY OF CALIFORNIA, OFFICE OF INFORMATION SYS, SAN FRANCISCO, CALIF.** Index to computerized teaching in the health sciences.
- R01LM-01857-02 (BLR) VIRGO, JULIE A, MEDICAL LIBRARY ASSOCIATION, 919 N MICHIGAN AVENUE, CHICAGO, ILL.** Continuing education needs for medical libraries.
- G08LM-01858-02 (BLR) BLOOMQUIST, HAROLD, FRANCIS A COUNTWAY LIBRARY-MED, 10 SHATTUCK STREET, BOSTON, MASS.** Medical library resource project support (medical school).
- G08LM-01870-02 (BLR) ALLEN, RICHARD G, NEW ENGLAND HOSP ASSEMBLY INC, OFFICE OF HEALTH CARE EDUCATIO, DURHAM, N H.** Medical library resource project support.
- G08LM-01871-01 (BLR) CRAMER, ANNE, DIRECTOR OF INFORMATION SERV, EASTERN VIRGINIA MEDICAL SCHOO, NORFOLK, VA.** Medical library resource project support (medical school).
- G04LM-01877-02 (BLR) ISCHE, JOHN P, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA.** Regional medical library support.
- G07LM-01895-01 (NSS) VERNICK, V, CEREBRAL PALSY ESSEX-W HUDSON, SEVEN SANFORD AVENUE, BELLEVILLE, N J.** Medical library resource improvement support.
- R01LM-01927-01 (BCM) HAMBURG, JOSEPH, UNIVERSITY OF KENTUCKY, 800 ROSE STREET, LEXINGTON, KY.** Annual review of allied health education and research.
- G07LM-01929-01 (NSS) COUCH, ROBERT C, CUMBERLAND MEDICAL CENTER, 811 SOUTH MAIN STREET, CROSSVILLE, TENN.** Medical library.
- G08LM-01936-02 (BLR) RUTH, SISTER MURIAM, MERCY HOSPITAL, 196 HANOVER STREET, WILKES-BARRE, PA.** Medical library resource project support (hospitals).
- G07LM-01938-01 (NSS) SANDLER, NAT H, CENTER & MEDICAL DIRECTOR, 201 MECHANIC STREET, LEXINGTON, KY.** Medical library resource improvement support.
- G08LM-01940-02 (BLR) MC CREA, KATHERINE L, NESBITT MEMORIAL HOSPITAL, 562 WYOMING AVENUE, KINGSTON, PA.** Medical library resource project support (hospitals).
- R01LM-01941-02 (HLS) O'NEILL, YNEZ V, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF.** Development of anatomical sciences (Galen to Vesalius).
- R01LM-01943-01 (HLS) DEBUS, ALLEN G, UNIVERSITY OF CHICAGO, 1126 EAST 59TH STREET, CHICAGO, ILL.** Man and nature in Robert Fludd's system of the world.
- R01LM-01954-02 (BCM) RADOVSKY, FRANK J, B.P. BISHOP MUSEUM, POST OFFICE BOX 6037, HONOLULU, HAWAII.** Review articles in the Journal of Medical Entomology.
- G08LM-01962-02 (BLR) STEVENS, ROBERT L, WILKES-BARRE GENERAL HOSP, CORNER N RIVER & AUBURN STS, WILKES-BARRE, PA.** Medical library resource project support (hospitals & health science professions).
- G04LM-01965-02 (BLR) BRUDVIG, GLENN L, UNIVERSITY OF MINNESOTA, DIEHL HALL, BIO-MEDICAL LIBR, MINNEAPOLIS, MINN.** Regional medical library support (university).
- G08LM-01973-01 (BLR) MAYDEN, PRISCILLA M, UNIVERSITY OF UTAH, SALT LAKE CITY UTAH.** Medical library resource project support (university).
- G08LM-01980-02 (BLR) TANNENBAUM, EARL, CUNNINGHAM MEMORIAL LIBRARY, INDIANA STATE UNIVERSITY, TERRE HAUTE, MD.** Medical library resource project support (medical and nursing schools).
- G08LM-01983-02 (BLR) PETERSON, SARA R, IOWA STATE UNIVERSITY, VETERINARY MEDICAL LIBRARY, AMES, IOWA.** Medical library resource project support (veterinary medical school).
- R01LM-01988-01 (HLS) HALL, THOMAS S, WASHINGTON UNIVERSITY, BOX 1137, SAINT LOUIS, MO.** Medicine after Descartes.
- G07LM-01989-01 (NSS) BERGER, CLYDE C, INSTITUTE OF LOGOPEDICS, INC, 2400 JARDINE DRIVE, WICHITA, KANS.** Medical library resource improvement support.
- G07LM-01990-01 (NSS) NEUMANN, ALICE, BETHESDA HOSPITAL, 619 OAK STREET, CINCINNATI, OHIO.** Medical library resource improvement support.
- G08LM-01994-01 (BLR) DAVIS, ELISABETH B, BIOLOGY LIBRARY, UNIVERSITY OF ILLINOIS, URBANA, ILL.** Medical library resource project support (medical school).
- G04LM-02000-02 (BLR) PLETZKE, CHESTER J, JOHN CRERAR LIBRARY, 35 WEST 33RD STREET, CHICAGO, ILL.** Regional medical library support (information center).
- G08LM-02003-01 (BLR) HOPKINS, JOAN M, FRANKLIN SQUARE HOSPITAL, 9000 FRANKLIN SQUARE DRIVE, BALTIMORE, MD.** Medical library resource project support (hospital).
- G08LM-02006-02 (BLR) JONES, C LEE, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y.** Medical library resource project support.
- G08LM-02007-01 (BLR) PICCIANO, JACQUELINE, AMERICAN JOURNAL OF NURSING CO, 10 COLUMBUS CIRCLE, NEW YORK, N Y.** Medical library resource project support (nursing school).
- G08LM-02009-01 (BLR) CAMPBELL, JOAN, LIBRARY OF THE HEALTH SCIENCES, U OF ILLINOIS AT THE MED CTR, CHICAGO, ILL.** Medical library resource project support (hospitals & health science professions).
- G04LM-02010-02 (BLR) YOUNGGREN, MELBA L, HARLEY E FRENCH MED LIBRARY, UNIVERSITY OF NORTH DAKOTA, GRAND FORKS, N DAK.** Regional medical library support (university).

- PROJECT NO., REVIEW GROUP, INVESTGATOR, ADDRESS, AND TITLE
- G07LM-02013-01** (NSS) NEUMANN, ALICE, BETHESDA HOSPITAL NORTH, 10500 MONTGOMERY ROAD, CINCINNATI, OHIO. Medical library resource improvement support.
- G04LM-02016-02** (BLR) LAATZ, MARY J, INDIANA UNIV SCH MED, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Regional medical library support (university).
- G08LM-02019-01** (BLR) CAVANAGH, G S, DUKE UNIVERSITY, DURHAM NORTH CAROLINA. Medical library resource committee (university).
- G08LM-02021-01** (BLR) KLINE, NATHAN S, RESEARCH CENTER, ROCKLAND STATE HOSPITAL, ORANGEBURG, N Y. Medical library resource project support (hospital).
- R01LM-02024-01** (TMP) GOLDSMITH, ROBERT S, UNIVERSITY OF CALIFORNIA, 3RD AVENUE & PARNASSUS, SAN FRANCISCO, CALIF. Chigger mites of the world-Laptozombidium complex.
- G08LM-02025-01** (BLR) CRAWFORD, WILLIAM H, UNIV OF SOUTHERN CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF. Medical library resource project support.
- G04LM-02027-02** (BLR) HOLTZ, VIRGINIA H, UNIVERSITY OF WISCONSIN, 1305 LINDEN DRIVE, MADISON, WIS. Regional medical library support (university).
- G07LM-02038-01** (NSS) WUDYKA, MARK P, GOWANDA STATE HOSPITAL, HELMUTH, N Y. Medical library resource improvement support (mental hospital).
- G07LM-02052-01** (NSS) HAWKINS, H M, MEDICAL LIBRARY, BENTON STATE HOSPITAL, STATE HOSPITAL, ARK. Medical library resource improvement support (mental hospital).
- R01LM-02054-01** (SSS) STANNARD, JERRY, UNIVERSITY OF KANSAS, DEPARTMENT OF HISTORY, LAWRENCE, KANS. History of the medicinal uses of vegetable gums.
- G07LM-02055-01** (NSS) FARUKI, GHULAM Y, BINGHAMTON STATE HOSPITAL, 425 ROBINSON STREET, BINGHAMTON, N Y. Medical library improvement support (mental hospital).
- G07LM-02057-01** (NSS) GLEASON, WALTER J, LAKELAND COUNSELING CENTER, OF WALWORTH COUNTY, ELKHORN, WIS. Medical library resource improvement support.
- R01LM-02058-01** (HLS) RATHER, LELLAND J, STANFORD UNIVERSITY, DEPARTMENT OF PATHOLOGY, STANFORD, CALIF. Historical study of neoplasms histogenesis.
- G07LM-02060-01** (NSS) FRIESEN, HENRY P, PARADISE VALLEY HOSPITAL, 2400 EAST FOURTH ST, NATIONAL CITY, CALIF. Medical library resource improvement support.
- G07LM-02061-01** (NSS) BROWN, TRUDY, METHODIST HOSPITAL CENTRAL ILL, 221 N E GLEN OAK, PEORIA, ILL. Medical library resource improvement support (general hospital).
- G07LM-02069-01** (NSS) BECK, CHARLES A, JACKSON PARK HOSPITAL FDN, 7531 STONY ISLAND AVENUE, CHICAGO, ILL. Medical library resource improvement support (general hospital).
- R01LM-02071-01** (HLS) SAVITT, TODD L, UNIVERSITY OF VIRGINIA, RANDALL HALL, CHARLOTTESVILLE, VA. Health care of blacks in ante-bellum South.
- R01LM-02074-01** (BCM) PAISLEY, WILLIAM J, STANFORD UNIVERSITY, INST FOR COMMUNICATION RES, STANFORD, CALIF. Review of information needs and use studies in medicine.
- G04LM-02080-01** (BLR) BISHOP, DAVID, UNIVERSITY OF NEBRASKA, 42ND AND DEWEY AVENUE, OMAHA, NEBR. Regional medical library (medical education).
- G04LM-02081-01** (BLR) CRYDER, ROBERT W, UNIVERSITY OF IOWA, HEALTH SCIENCES LIBRARY, IOWA CITY, IOWA. Regional medical support (hospitals).
- G07LM-02084-01** (NSS) FLORES, SATURNINO P, RYDER MEMORIAL HOSPITAL, INC, P O BOX 489, HUMACAO, P R. Medical library resource improvement support (general hospital).
- R13LM-02090-01** (HLS) HAND, WAYLAND A, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Symposium on American folk medicine.
- R01LM-02097-01** (HLS) WARD, PATRICIA S, 5200 TRAMORE ROAD, BALTIMORE, MD. Hugh Cabot (1872-1945)-Study in medical reform.
- G08LM-02098-01** (BLR) WILLIAMS, JAMES F, II, WAYNE STATE UNIVERSITY, 4325 BRUSH, DETROIT, MICH. Medical library resource project support (university).
- G07LM-02104-01** (NSS) GARRIS, DALE D, DAKOTA HOSPITAL, 801 EAST MAIN, VERMILLION, S DAK. Medical library resource improvement support (general hospital).
- R01LM-02109-01** (HLS) SIVIN, NATHAN, MASSACHUSETTS INST OF TECH, ROOM 14N-422, CAMBRIDGE, MASS. Traditional chinese medicine.
- G08LM-02115-01** (BLR) PINGS, VERN M, WAYNE STATE UNIVERSITY, 5244 SECOND, DETROIT, MICH. Medical library resource project support (medical school).
- G07LM-02127-01** (NSS) CAMERON, PAT, TRINITY MEMORIAL HOSPITAL, 5900 SOUTH LAKE DRIVE, CUDAHY, WIS. Medical library resource improvement support (general hospital).
- G08LM-02129-01** (BLR) SMITH, JOHN E, UNIVERSITY OF CALIFORNIA, MEDICAL SCIENCES LIBRARY, IRVINE, CALIF. Medical library resource project support.
- G08LM-02130-01** (BLR) HOWARD, ANN, SOUTHERN ILLINOIS UNIVERSITY, 421 SOUTH 6TH STREET, SPRINGFIELD, ILL. Medical library resource project support.
- G08LM-02133-01** (BLR) RUBENSTEIN, PAUL, CEDARS-SINAI MEDICAL CENTER, 4833 FOUNTAIN AVENUE, LOS ANGELES, CALIF. Medical library resource project support (hospital).
- G08LM-02135-01** (BLR) HAFNER, ARTHUR W, HEALTH SCIENCE LIBRARY, UNIV OF MINNESOTA, DULUTH, MINN. Medical library resource project support.
- G08LM-02143-01** (BLR) DOUGHERTY, RICHARD M, UNIVERSITY LIBRARIAN, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Medical library resource project support (university).
- G08LM-02144-01** (BLR) ROBERTSON, THOMAS G, CHILDREN'S HOSPITAL, 219 BRYANT STREET, BUFFALO, N Y. Medical library resource project committee (hospital).
- G07LM-02148-01** (NSS) HUSMAN, GRAYCE, WEST SIDE COMMUNITY HOSPITAL, BOX 151 SOUTH HIGHWAY 33, NEWMAN, CALIF. Medical library resource improvement support (general hospital).
- PROJECT NO., REVIEW GROUP, INVESTGATOR, ADDRESS, AND TITLE
- G07LM-02149-01** (NSS) MARKS, OSCAR R, SHASTA GENERAL HOSPITAL, 2630 HOSPITAL LANE, REDDING, CALIF. Medical library resource improvement support (general hospital).
- G08LM-02153-01** (BLR) MC MULLEN, ELIZABETH, ST PETER'S GENERAL HOSPITAL, 254 EASTON AVENUE, NEW BRUNSWICK, N J. Medical library resource project (hospitals).
- G07LM-02160-01** (NSS) ANDERSON, ELAINE, ST LOUIS PARK MED CTR RES FDN, 4959 EXCELSIOR BLVD, MINNEAPOLIS, MINN. Medical library resource improvement support (medical center).
- G07LM-02164-01** (NSS) DUCHAC, GRETCHEN N, LUTHERAN MEDICAL CENTER, 4520 FOURTH AVENUE, BROOKLYN, N Y. Medical library resource improvement support (general hospital).
- G07LM-02166-01** (NSS) DILLIBE, ANNE G, CALIFORNIA HOSPITAL MED CENTER, 1414 SOUTH HOPE STREET, LOS ANGELES, CALIF. Medical library resource improvement support (general hospital).
- G07LM-02172-01** (NSS) BURNETT, FRANCES, RUSH FOUNDATION HOSPITAL, MERIDIAN, MISS. Medical library resource improvement support (general hospital).
- G07LM-02174-01** (NSS) NAPPS, CARL S, WINCHESTER MEMORIAL HOSPITAL, WINCHESTER, VA, WINCHESTER, VA. Medical library resource improvement support (general hospital).
- G07LM-02178-01** (NSS) LUSTED, PATRICIA P, MONADNOCK COMMUNITY HOSPITAL, OLD STREET, PETERBOROUGH, N H. Medical library resource improvement support (general hospital).
- G07LM-02179-01** (NSS) ROUX, SISTER AURORE, ST MARY'S GENERAL HOSPITAL, 45 GOLDER STREET, LEWISTON, MAINE. Medical library resource improvement support (general hospital).
- G07LM-02183-01** (NSS) GRAHAM, PATRICIA L, HARTFORD MEMORIAL HOSPITAL INC, 1032 EAST SUMNER ST, HARTFORD, W H. Medical library resource improvement support (general hospital).
- G07LM-02188-01** (NSS) WELTY, RON R, DEAF AMTH GENERAL HOSPITAL, BOX 552, HEREFORD, TEX. Medical library resource improvement support (general hospital).
- R01LM-02189-01** (SSS) BLANCO, RICHARD L, 31 LANCET WAY, BROCKPORT, N Y. Wellington's Surgeon General-Sir James McGrigor.
- G07LM-02191-01** (NSS) FREEDMAN, JONATHAN, RICHARD H HUTCHINGS PSYCHIA CT, SYRACUSE, N Y. Medical library resource improvement support.
- G07LM-02192-01** (NSS) SCHMUCKER, JOYCE E, MENNONITE HOSPITAL, 807 N MAIN ST, BLOOMINGTON, ILL. Medical library resource improvement support (general hospital).
- G07LM-02193-01** (NSS) SWERDPOER, SISTER DGNNA M, MARIAN HOSPITAL, 1400 EAST CHURCH STREET, SANTA MARIA, CALIF. Medical library resource improvement support (general hospital).
- G07LM-02195-01** (NSS) NASH, DONALD R, CHAIRMAN LIBRARY COMMITTEE, EAST TEXAS CHEST HOSPITAL, TYLER, TEX. Medical library resource improvement support.
- G07LM-02202-01** (NSS) BACKER, BARBARA, LAPORTE HOSPITAL, INC, LINCOLNWAY AND MADISON STS, LAPORTE, IND. Medical library resource improvement support (general hospital).
- R01LM-02209-01** (TMP) BINFORD, CHAPMAN H, ARMED FORCES INST OF PATHOLOGY, GEOGRAPHIC PATHOLOGY DIV, WASHINGTON, D C. Publication of an atlas on the pathology of tropical diseases.
- R01LM-02211-01** (NSS) SLAMECKA, VLADIMIR, GEORGIA INSTITUTE OF TECH, 225 NORTH AVENUE, N W, ATLANTA, GA. Extended utilization of biomedical information.
- G07LM-02226-01** (NSS) VAN GHESON, WILLIAM R, BETHESDA HOSPITAL, 2951 MAPLE AVENUE, ZANESVILLE, OHIO. Medical library resources improvement support.
- G08LM-02228-01** (BLR) MEIBOOM, ESTHER R, MARTLAND HOSPITAL LIBRARY, 65 BERGEN STREET, NEWARK, N J. Medical library resource project committee (hospital).
- G07LM-02231-01** (NSS) ORSA, BETTY A, HILLSIDE COMM HOSP OF UKIAH, 333 LAWS AVENUE, UKIAH, CALIF. Medical library resource improvement support (general hospital).
- G04LM-02233-01** (BLR) WINTERS, CLYDE J, HAWAII MEDICAL LIBRARY, INC, 1221 PUNCHBOWL STREET, HONOLULU, HAWAII. Health information network of the Pacific.
- G08LM-02236-01** (BLR) BYRN, JAMES H, CAMERON COLLEGE, LAWTON, OKLA. Medical library resource project support (health science professions).
- G08LM-02238-01** (BLR) PORT, JANE, COLLEGE OF MED & DENT OF N J, 100 BERGEN STREET, NEWARK, N J. Medical library resource project support (medical and dental schools).
- G07LM-02241-01** (NSS) HAMILTON, G GAY, LOUDON COUNTY MEMORIAL HOSP, VONORE ROAD, LOUDON, TENN. Medical library resource improvement support (general hospital).
- G08LM-02249-01** (BLR) HOGAN, ROSE, UNIVERSITY OF ARKANSAS, POST OFFICE BOX 2381, LITTLE ROCK, ARK. Medical library resource project support (health education).
- G07LM-02253-01** (NSS) WILKER, MONTE E, LONESOME PINE HOSPITAL, DRAWER 1, BIG STONE GAP, VA. Medical library resource improvement support (general hospital).
- G07LM-02258-01** (NSS) SCOTT, WILLIAM H, ROCKVILLE GENERAL HOSPITAL, 31 UNION STREET, ROCKVILLE, CONN. Medical library resource improvement support.
- G07LM-02260-01** (NSS) DEAN, DOROTHY S, F G RILEY MEMORIAL HOSPITAL, POST OFFICE BOX 1810, MERIDIAN, MISS. Medical library resource improvement support (general hospital).
- R01LM-02268-01** (SSS) JONES, RUSSELL M, 311 WEST 7TH STREET, FULTON, MO. An American doctor's letters on French surgery, 1832-5.
- G08LM-02276-01** (BLR) ORFANOS, MINNIE, DENTAL SCHOOL LIBRARY, NORTHWESTERN UNIVERSITY, CHICAGO, ILL. Medical library resource project support (dental education).
- R01LM-02281-01** (BCM) SCOTT, ALWYN C, UNIVERSITY OF WISCONSIN, MADISON, WIS, MADISON, WIS. Critical review of neuron biophysics.
- G08LM-02282-01** (BLR) MESSERLE, JUDITH, ST JOSEPH HOSPITAL, 915 EAST FIFTH STREET, ALTON, ILL. Medical library resource project support (hospital).
- G08LM-02291-01** (BLR) MORRIS, CAROLINE S, PENNSYLVANIA HOSPITAL, EIGHTH & SPRUCE STREETS, PHILADELPHIA, PA. Improve access to historical library and archives (hospital).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- G08LM-02295-01** (BLR) LAMB, GERTRUDE, HEALTH CENTER LIBRARY, UNIVERSITY OF CONNECTICUT, FARMINGTON, CONN. Clinical librarians in patient care/teaching settings.
- G07LM-02300-01** (NSS) BURCH, WESLEY, JANE PHILLIPS EPISCOPAL, MEMORIAL MEDICAL CENTER, BARTLESVILLE, OKLA. Medical library resource improvement support (general hospital).
- R01LM-02306-05** (MLS) GROB, GERALD N, DOUGLASS COLLEGE, RUTGERS UNIVERSITY, NEW BRUNSWICK, N. J. History of mental hospitals in the United States to 1900.
- G07LM-02313-01** (NSS) LBHR, KAREN, NORMAN MUNICIPAL HOSPITAL, POST OFFICE BOX 1308, NORMAN, OKLA. Medical library resource improvement support.
- G08LM-02317-01** (BLR) MAYDEN, PRISCILLA M, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Medical library resource project support (university).
- G07LM-02318-01** (NSS) THORNHILL, ANNETTE, FAIRFIELD HILLS HOSPITAL, NEWTOWN, CONN. Medical library resource improvement support.
- G07LM-02321-01** (NSS) ROBINSON, JAMES A, DE PAUL REHABILITATION HOSP, 4143 SOUTH 13TH STREET, MILWAUKEE, WIS. Medical library resource improvement support (rehabilitation hospital).
- G07LM-02374-01** (NSS) LINDNER, JANET M, VISITING NURSE ASSN OF BUFFALO, 1255 DELAWARE AVENUE, BUFFALO, N. Y. Medical library resource improvement support.
- G07LM-02385-01** (NSS) MORRISSETTE, SISTER LOUISE, ANDROSCOGGIN VALLEY HOSP INC, 324 SCHOOL STREET, BERLIN, N. H. Medical library resource improvement support.
- G07LM-02386-01** (NSS) THOMPSON, MICHAEL, DOUGLAS COUNTY HOSPITAL, 111 17TH AVENUE EAST, ALEXANDRIA, MINN. Medical library resource improvement support (general hospital).
- G07LM-02388-01** (NSS) KLATT, WILLIAM, SOUTHSIDE HOSPITAL, MONTAUK HIGHWAY, BAY SHORE, N. Y. Medical library resource improvement support (general hospital).
- G07LM-02390-01** (NSS) REES, THOMAS W, PORTER MEDICAL CENTER, MIDDLBURY, VT. Medical library resource improvement support (general hospital).
- G07LM-02391-01** (NSS) COISMAN, FREDERICK G, MONROE DEVELOPMENTAL SERVICES, 797 ELMWOOD AVENUE, ROCHESTER, N. Y. Medical library resource improvement support (mental hospitals).
- G07LM-02392-01** (NSS) DE SANTIS, PETER, MARATHON CTY HEALTH CARE CTR, 1100 LAKE VIEW DRIVE, WAUSAU, WIS. Medical library resource improvement support (mental health center).
- N01LM-14709-03** (***) NOT APPLICABLE, CHICAGO, ILLINOIS. Regional medical library interlibrary loans.
- N01LM-14712-12** (***) NOT APPLICABLE, COLLEGE, ALASKA. Alaska satellite communications system.
- N01LM-14715-08** (***) NOT APPLICABLE, PHILADELPHIA, PENNSYLVANIA. Regional medical library services.
- N01LM-14721-06** (***) NOT APPLICABLE, NEW YORK, NEW YORK. Regional medical library services.
- N01LM-14723-11** (***) NOT APPLICABLE, CAMBRIDGE, MASSACHUSETTS. Regional medical library services.
- N01LM-14728-04** (***) NOT APPLICABLE, SANTA MONICA, CALIFORNIA. Design, develop and implement modules of MEDLARS I.
- N01LM-14731-05** (***) BALL, ALICE D, WASHINGTON, DISTRICT OF COLUMBIA. Filling gaps in missing NLM collection.
- N01LM-14733-13** (***) NOT APPLICABLE, ROCKVILLE, MARYLAND. On-line search and retrieval program.
- N01LM-20536-04** (***) NOT APPLICABLE, LA JOLLA, CALIFORNIA. Development of teaching material on neurosciences.
- N01LM-24701-03** (***) NOT APPLICABLE, SANTA MONICA, CALIFORNIA. Quality assurance services for MEDLARS II development.
- N01LM-24705-09** (***) NOT APPLICABLE, CUPERTINO, CALIFORNIA. Telecommunication system services.
- N01LM-24708-04** (***) NOT APPLICABLE, LINCOLN, NEBRASKA. Regional medical library for the mid-continent region.
- N01LM-24711-05** (***) TO BE ASSIGNED, NEW YORK, NEW YORK. CATV link to public housing project for purposes of medical communications.
- N01LM-24712-02** (***) NOT APPLICABLE, ATLANTA, GEORGIA. Regional medical library for the southeastern region.
- N01LM-24716-05** (***) NOT APPLICABLE, BOSTON, MASSACHUSETTS. Participation in Biomedical Data Network.
- N01LM-24717-04** (***) NOT APPLICABLE, COLUMBUS, OHIO. Participation in biomedical data network (BDN).
- N01LM-24720-03** (***) NOT APPLICABLE, NEW YORK, NEW YORK. Repair, restoration and rebinding of rare books.
- N01LM-24724-03** (***) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Card catalog reproduction and distribution.
- N01LM-24726-02** (***) NOT APPLICABLE, EAST LANSING, MICHIGAN. Educational consultant for LHNCBC.
- N01LM-34703-03** (***) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Collaborative program developing nat'l network for educating health professionals.
- N01LM-34704-04** (***) NOT APPLICABLE, ALBANY, NEW YORK. MEDLINE backup system.
- N01LM-34707-01** (***) SMITH, RICHARD A, AUGUSTA, WEST VIRGINIA. Repair, restoration and rebinding of rare books.
- N01LM-34708-02** (***) NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Regional medical library services.
- N01LM-34709-03** (***) NOT APPLICABLE, SEATTLE, WASHINGTON. Regional medical library services.
- N01LM-34711-02** (***) NOT APPLICABLE, PHILADELPHIA, PENNSYLVANIA. Indexing journal articles in biomedical literature for incorporation into MEDLARS.
- N01LM-34712-01** (***) NOT APPLICABLE, WILMINGTON, MASSACHUSETTS. Emergency maintenance of photon zip model 901 system.
- N01LM-34714-01** (***) NOT APPLICABLE, COLUMBUS, OHIO. Subscription to chemical biological activities.
- N01LM-34716-01** (***) NOT APPLICABLE, SPRINGFIELD, VIRGINIA. Indexing biomedical literature for MEDLARS data base.
- N01LM-34717-02** (***) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Indexing journal articles in biomedical literature for incorporation into MEDLARS.
- N01LM-34721-02** (***) NOT APPLICABLE, STUDIO CITY, CALIFORNIA. Professional medical illustration.
- N01LM-34722-03** (***) NOT APPLICABLE, STUDIO CITY, CALIFORNIA. Professional medical illustration support.
- N01LM-34724-01** (***) NOT APPLICABLE, SILVER SPRING, MARYLAND. Professional medical illustration support.
- N01LM-34725-02** (***) NOT APPLICABLE, BETHESDA, MARYLAND. Production and evaluation of modular audiovisual instruction materials.
- N01LM-34726-01** (***) HALSTEAD, CHARLES L, ATLANTA, GEORGIA. Producing mediated self-instructional materials for dentistry.
- N01LM-34732-03** (***) NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Preservation microfilming.
- N01LM-34733-03** (***) NOT APPLICABLE, SEATTLE, WASHINGTON. ATS-F health experiment management and technical operations.
- N01LM-34734-01** (***) NOT APPLICABLE, STANFORD, CALIFORNIA. Evaluation of ATS-F health experiments.
- N01LM-34736-01** (***) TO BE ASSIGNED, WASHINGTON, DISTRICT OF COLUMBIA. Recataloging serline data base.
- N01LM-34738-02** (***) NOT APPLICABLE, CAMBRIDGE, MASSACHUSETTS. Evaluation of the NMAC media distribution system.
- N01LM-40044-10 0047** (***) PARKER, H S. Survey of data on child abuse.
- N01LM-44700-00** (***) NOT APPLICABLE, CHEVERLY, MARYLAND. MEDLARS citation preparation.
- N01LM-44701-00** (***) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Software maintenance for MEDLEARN.
- N01LM-44702-00** (***) NOT APPLICABLE, BETHESDA, MARYLAND. Systems engineering support.
- N01LM-44703-00** (***) HYATT, CECIL A, JR, CHEVERLY, MARYLAND. MEDLARS citation/abstract preparation.
- N01LM-44704-01** (***) NOT APPLICABLE, HANOVER, NEW HAMPSHIRE. New Hampshire-Vermont medical interactive television network.
- N01LM-44705-00** (***) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Management assistance for the medical interactive television network.
- N01LM-44700-00** (***) HILL, ROLLA B, SYRACUSE, NEW YORK. Self-instructional slide tape units in core pathology.
- N01LM-44707-00** (***) NOT APPLICABLE, THOROFARE, NEW JERSEY. Visualized lectures of intestinal function and diarrhea.
- N01LM-44708-00** (***) NOT APPLICABLE, PHILADELPHIA, PENNSYLVANIA. Magnetic tapes used to prepare pesticides abstract bulletin for 1974.
- N01LM-44709-00** (***) NOT APPLICABLE, COLUMBUS, OHIO. Purchase of and maintenance for one (1) OCL-100 CTR terminal.
- N01LM-44710-00** (***) NOT APPLICABLE, SAN FRANCISCO, CALIFORNIA. Self-instructional multimedia units in clinical cardiology.
- N01LM-44711-00** (***) NOT APPLICABLE, CUPERTINO, CALIFORNIA. Data communications.
- N01LM-44712-00** (***) MOULTON, ELLIOTT J, WASHINGTON, DISTRICT OF COLUMBIA. Econometric analysis of NLM on-line services.
- N01LM-44715-00** (***) NOT APPLICABLE, FREEHOLD, NEW JERSEY. Maintenance services on electronic equipment at NMAC.
- N01LM-44716-00** (***) NOT APPLICABLE, MCLEAN, VIRGINIA. Development of modular instructional materials for workshops.
- N01LM-44717-00** (***) NOT APPLICABLE, SALT LAKE CITY, UTAH. Report results of teaching aids package.
- N01LM-44718-00** (***) , NEW YORK, NEW YORK. Computer instruction program.
- N01LM-44719-00** (***) , SANTA MONICA, CALIFORNIA. Enhancements to the MEDLARS II system.
- N01LM-44720-00** (***) , NEW YORK, NEW YORK. Teratogenesis bibliographic references in machine readable form.
- N01LM-44722-00** (***) NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Purchase of rare books.
- N01LM-44723-00** (***) , HOUSTON, TEXAS. Instructional package for recognition of symptoms in life-threatening emergencies.
- N01LM-44724-00** (***) , MCLEAN, VIRGINIA. Self-instructional packages for recognition of symptoms in emergencies.
- N01LM-44726-00** (***) NOT APPLICABLE, NUTLEY, NEW JERSEY. Purchase educational film to be circulated on free loan.
- N01LM-44727-00** (***) NOT APPLICABLE, DANBURY, CONNECTICUT. Purchase educational film to be circulated on free loan.
- N01LM-44728-00** (***) NOT APPLICABLE, RARITAN, NEW JERSEY. Purchase educational film to be circulated on free loan.
- N01LM-44729-00** (***) NOT APPLICABLE, NEW YORK, NEW YORK. Purchase educational film to be circulated on free loan.
- N01LM-44730-00** (***) NOT APPLICABLE, HOUSTON, TEXAS. Purchase educational film to be circulated on free loan.
- N01LM-44731-00** (***) NOT APPLICABLE, WILMINGTON, MASSACHUSETTS. Maintenance of a photon ZIP model 901 system.
- N01LM-44732-00** (***) , ARLINGTON, VIRGINIA. Community hospitals in continuing education of health professionals.
- N01LM-44733-00** (***) NOT APPLICABLE, CHEVERLY, MARYLAND. Conversion of HEOP titles and abstracts.
- N01LM-44734-00** (***) NOT APPLICABLE, SEATTLE, WASHINGTON. ATS-F satellite evaluation.
- N01LM-44735-00** (***) NOT APPLICABLE, AUGUSTA, GEORGIA. Development and production of self-instructional multimedia units.
- N01LM-44736-00** (***) VIGNONE, JOSEPH A, SILVER SPRING, MARYLAND. System for writing abstracts for audiovisual materials.
- N01LM-44737-00** (***) NOT APPLICABLE, ROCKVILLE, MARYLAND. Recataloging journals to title entry.
- N01LM-44738-00** (***) NOT APPLICABLE, BALTIMORE, MARYLAND. Building toxicology data files.
- N01LM-44739-00** (***) NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Cooperative cataloging of current biomedical publications.
- N01LM-44740-00** (***) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Data preparation for a single input serial system conversion task.
- N01LM-44741-00** (***) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. File maintenance.
- N01LM-44742-00** (***) NOT APPLICABLE, WILMINGTON, MASSACHUSETTS. Purchase educational film to be circulated on free loan.
- N01LM-92159-16** (***) NOT APPLICABLE, COLUMBUS, OHIO. Interlink of NLM and CAS information systems.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R27MB-00014-02 (MPO) EVANS, RUPERT N, UNIVERSITY OF ILLINOIS, COLLEGE OF EDUCATION, URBANA, ILL. Supply and demand factors-allied health educators.

NO1MB-24085-04 (**) MARTIN, JOHN, PHILADELPHIA, PENNSYLVANIA. Training physicians assistants.

NO1MB-24088-05 (**) STANHOPE, WILLIAM D, OKLAHOMA CITY, OKLAHOMA. Physicians assistant training program.

NO1MB-24091-03 (**) LEVINE, ROBERT, NEW HAVEN, CONNECTICUT. Physicians assistant training program.

NO1MB-24092-05 (**) ESTES, E HARVEY, JR, DURHAM, NORTH CAROLINA. Physicians assistant training program.

NO1MB-24094-05 (**) HENRY, RICHARD A, GAINESVILLE, FLORIDA. Physicians' assistant training program.

NO1MB-24096-04 (**) POWERS, LEE, WINSTON-SALEM, NORTH CAROLINA. Physicians assistant training program.

NO1MB-24105-02 (**) LAMPTON, T D, JACKSON, MISSISSIPPI. Physician's assistant training program.

NO1MB-24106-03 (**) PALMER, JOHN R, AUGUSTA, GEORGIA. Training physicians' assistants.

NO1MB-24107-05 (**) LEWIS, ARNOLD, BROOKLYN, NEW YORK. Physicians assistant training program.

NO1MB-24108-03 (**) GOLDEN, ARCHIE S, BALTIMORE, MARYLAND. Physicians' assistant training program.

NO1MB-24109-03 (**) ZACHARWIZ, FRANCIS A, SAINT LOUIS, MISSOURI. Physicians assistant training program.

NO1MB-24116-03 (**) MYERS, HU C, PHILLIPI, WEST VIRGINIA. Physicians assistant training program.

NO1MB-24117-04 (**) JOSTEN, JOHN J, KALAMAZOO, MICHIGAN. Physicians' assistant training program.

NO1MB-24118-06 (**) BING, ROBERT K, GALVESTON, TEXAS. Physicians assistant training.

NO1MB-24119-04 (**) PIEMME, THOMAS E, WASHINGTON, DISTRICT OF COLUMBIA. Physician's assistants training program.

NO1MB-24120-07 (**) MC TERNAN, EDMUND J, ALBANY, NEW YORK. Physicians' assistants training program.

NO1MB-24127-05 (**) MURKAY, RAYMOND H, INDIANAPOLIS, INDIANA. Physicians' assistant training program.

NO1MB-24128-03 (**) HORSLEY, A W, IOWA CITY, IOWA. Physicians' assistant training program.

NO1MB-24129-03 (**) STRAUSS, BELLA, HANOVER, NEW HAMPSHIRE. Physician's assistant training program.

NO1MB-24132-05 (**) LUCHI, ROBERT J, HOUSTON, TEXAS. Physicians assistant training program.

NO1MB-24135-05 (**) SILVER, HENRY K, DENVER, COLORADO. Physicians assistant program.

NO1MB-24145-05 (**) LEAMAN, THOMAS, UNIVERSITY PARK, PENNSYLVANIA. Physician's assistant training program.

NO1MB-24146-03 (**) GREENBERG, SUZANNE B, BOSTON, MASSACHUSETTS. Physicians' assistant training program.

NO1MB-24153-03 (**) JEWETT, ROBERT E, ATLANTA, GEORGIA. Physicians' assistant training program.

NO1MB-24155-03 (**) CASTLE, C HILMAN, SALT LAKE CITY, UTAH. Physicians' assistant training program.

NO1MB-24157-04 (**) STEWART, PHILIP R, WASHINGTON, DISTRICT OF COLUMBIA. Physicians assistant training program.

NO1MB-24158-04 (**) HUTSON, ARTHUR C, CHARLESTON, SOUTH CAROLINA. Physicians assistant training program.

NO1MB-24159-03 (**) ROGERS, TERENCE, HONOLULU, HAWAII. Physician's assistant training program.

NO1MB-24173-03 (**) JOHNSON, THOMAS F, WASHINGTON, DISTRICT OF COLUMBIA. Physicians' assistant training program.

NO1MB-24199-03 (**) REED, D CRAMER, WICHITA, KANSAS. Training program for physicians' assistants.

NO1MB-24237-03 (**) LOHRENTZ, FRANCIS, MARSHFIELD, WISCONSIN. Physician's assistant training program.

NO1MB-24260-03 (**) GALES, HARRIET, DETROIT, MICHIGAN. Physicians' assistant training program.

NO1MB-24352-02 (**) MENDEL, LEVITTE, NEW YORK, NEW YORK. Study of alleviation of health manpower maldistribution.

NO1MB-24371-02 (**) MC MANUS, J F, CHARLESTON, SOUTH CAROLINA. Area health educational center.

NO1MB-24374-02 (**) ROBERTSON, GEORGE J, BOSTON, MASSACHUSETTS. Area health education center.

NO1MB-24377-03 (**) WATTS, MALCOLM S, SAN FRANCISCO, CALIFORNIA. Area health education center.

NO1MB-24380-02 (**) ZIMMERMAN, T F, CHICAGO, ILLINOIS. Area health education center.

NO1MB-24383-02 (**) LEYASMEYER, EDITH, MINNEAPOLIS, MINNESOTA. Area health education center.

NO1MB-24385-02 (**) DIMOND, E GREY, KANSAS CITY, MISSOURI. Area Health Education Center.

NO1MB-24386-02 (**) WISE, WILLIAM H, ALBUQUERQUE, NEW MEXICO. Area health education center.

NO1MB-24387-02 (**) WILSON, GLENN, CHAPEL HILL, NORTH CAROLINA. Area health education center.

NO1MB-24388-02 (**) DUNN, GARY F, GRAND FORKS, NORTH DAKOTA. Area health education center.

NO1MB-24391-04 (**) BRANDT, EDWARD N, JR, GALVESTON, TEXAS. Area health education center.

NO1MB-24392-03 (**) ANDREWS, CHARLES E, MORGANTOWN, WEST VIRGINIA. Area health education center.

NO1MB-24400-04 (**) MEGLEN, MARIE C, JACKSON, MISSISSIPPI. Nursing manpower.

NO1MB-34038-07 (**) WISE, WILLIAM H, ALBUQUERQUE, NEW MEXICO. Rural health care system for New Mexico.

NO1MB-34125-01 (**) HELPERN, MILTON, NEW YORK, NEW YORK. Forensic medicine teaching materials.

NO1MB-34131-01 (**) PARSONS, I CLARIE, CHARLOTTESVILLE, VIRGINIA. Course of study in physiology and pathophysiology.

NO1MB-34132-01 (**) SLOVES, STUART, NEW YORK, NEW YORK. Produce radio shows aimed at recruiting Black/Spanish students into health career.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1MB-44000-00 (**) CLEARY, MICHAEL, LITTLE ROCK, ARKANSAS. Health manpower requirement within the state of Arkansas.

NO1MB-44001-00 (**) COHEN, EDWARD, TRENTON, NEW JERSEY. Comprehensive study of health manpower requirements.

NO1MB-44003-00 (**) ARSHAM, GARY, STOCKTON, CALIFORNIA. Modular self instructional units in medical student ophthalmology curriculum.

NO1MB-44006-00 (**) COOPER, LEON E, WASHINGTON, DISTRICT OF COLUMBIA. Comprehensive minority health manpower plan.

NO1MB-44008-00 (**) SAYLE, J HENRY, GREENSBORO, NORTH CAROLINA. Collaborative program of courses and health careers at black institutions.

NO1MB-44009-00 (**) HUDSON, JAMES I, WASHINGTON, DISTRICT OF COLUMBIA. Educational programs in prototype health maintenance organizations.

NO1MB-44034-00 (**) NOT APPLICABLE, SAUGUS, CALIFORNIA. Monaural pressings of transcribed radio programs.

NO1MB-44069-00 (**) KELLEY, ROBERT A, WASHINGTON, DISTRICT OF COLUMBIA. Distribution of the film 'Code Blue'.

NO1MB-44078-00 (**) GREGORIEFF, PAUL, CAMBRIDGE, MASSACHUSETTS. National health education center program.

NO1MB-44083-00 (**) NOT APPLICABLE, NEW YORK, NEW YORK. Reproduction of prints for a film.

NO1MB-44085-00 (**) BRYANT, EDGAR C, ARLINGTON, VIRGINIA. Distribution of the film 'What can you do'.

NO1MB-44115-00 (**) GREGORIEFF, PAUL, CAMBRIDGE, MASSACHUSETTS. Effectiveness of state linkage systems.

NO1MB-44119-00 (**) MILLER, CHARLES A, LOS ANGELES, CALIFORNIA. Twilight nursing program.

NO1MB-44152-00 (**) LINDEE, ROBERT, PALO ALTO, CALIFORNIA. Symposia on National Health Policy Questions important to US.

NO1MB-44166-00 (**) SCHNEEWEISS, STEPHEN M, ITHACA, NEW YORK. Career development of health administration.

NO1MB-44167-00 (**) HILDEBRAND, IRIS, DURHAM, NORTH CAROLINA. Physician's associates careers.

NO1MB-44166-00 (**) FARWELL, GEORGE W, SEATTLE, WASHINGTON. Utilization of new health practitioners in remote practice settings.

NO1MB-44169-00 (**) ERICKSON, JON A, STANFORD, CALIFORNIA. Primary care decentralization.

NO1MB-44170-00 (**) THOMPSON, JOHN H, PITTSBURGH, PENNSYLVANIA. Physician's assistants in primary care.

NO1MB-44171-00 (**) CASTLE, C HILMAN, SALT LAKE CITY, UTAH. Physician's assistant utilization.

NO1MB-44172-00 (**) RABIN, DAVID L, WASHINGTON, DISTRICT OF COLUMBIA. Roles and function of physician's assistants.

NO1MB-44173-00 (**) INCHES, ROBERT, OAKLAND, CALIFORNIA. Utilization and efficiency of health manpower in prepaid group practices.

NO1MB-44175-00 (**) FLIERMAN, GARY L, WASHINGTON, DISTRICT OF COLUMBIA. Health manpower education.

NO1MB-44176-00 (**) GRANT, RICHARD V, DENVER, COLORADO. Group practice forms of health care delivery.

NO1MB-44177-00 (**) DEIHL, CHARLES E, WASHINGTON, DISTRICT OF COLUMBIA. Study of future of health care administration education.

NO1MB-44178-00 (**) TEPE, FRANK R JR, CINCINNATI, OHIO. University without walls external MS degree in health planning (administration).

NO1MB-44179-00 (**) RAMBO, PATRICIA B, GAINESVILLE, FLORIDA. Optimum manpower utilization.

NO1MB-44182-00 (**) ZALLEN, HAROLD, OKLAHOMA CITY, OKLAHOMA. Physician's assistants as primary care providers.

NO1MB-44183-00 (**) RAMBO, PATRICIA B, GAINESVILLE, FLORIDA. Physician awareness and utilization of physician's assistants.

NO1MB-44184-00 (**) YOUNG, WILLIAM T, CHAPEL HILL, NORTH CAROLINA. Optimal demand and supply of physician's assistants.

NO1MB-44185-00 (**) THOMPSON, JOHN H, PITTSBURGH, PENN. Health services administration.

NO1MB-44186-00 (**) JOINER, CHARLES, BIRMINGHAM, ALABAMA. Teaching modules in hospital and health administration.

NO1MB-44189-00 (**) TALLON, JAMES R, BINGHAMTON, NEW YORK. Maldistribution of nursing manpower in certain NY and Penna. counties.

NO1MB-44190-00 (**) STERNWURTZEL, S L, NEW YORK, NEW YORK. Linkages among comprehensive health planning agencies.

NO1MB-44191-00 (**) CONANT, CLINTON A, FARMINGTON, MAINE. Prototype course in rural prepaid health care.

NO1MB-44192-00 (**) PARKER, EDWARD J, PHILADELPHIA, PENNSYLVANIA. Relevance of health care administration curricula.

NO1MB-44193-00 (**) HARRISON, JOHN G, GRAND JUNCTION, COLORADO. Effective utilization of multidiscipline health manpower.

NO1MB-44194-00 (**) DITMORE, R K, MINNEAPOLIS, MINNESOTA. Educational program in health maintenance organization.

NO1MB-44195-00 (**) HARMON, BILL, SAN FRANCISCO, CALIFORNIA. Educational program for sub-professional health personnel.

NO1MB-44196-00 (**) SMITH, W MELVIN, DETROIT, MICHIGAN. Training program for primary care unit staff.

NO1MB-44197-00 (**) MACK, ROBERT, LONG BEACH, CALIFORNIA. Designing, implementing, and testing a human relations department.

NO1MB-44198-00 (**) SAUGUS, CALIFORNIA. 'The Sound of Soul'.

NO1MB-44199-00 (**) CHIU, ARTHUR N, HONOLULU, HAWAII. Program of health team training and practice.

NO1MB-44200-00 (**) GARELL, C DALE, SAN FRANCISCO, CALIFORNIA. Program in humanistic medicine.

NO1MB-44202-00 (**) DULL, ROY, BAKERSFIELD, CALIFORNIA. External degree in nursing.

NO1MB-44203-00 (**) DISANTO, FRANK, ALBANY, NEW YORK. Develop health education cooperative activities.

NO1MB-44209-00 (**) CARMICHAEL, CALIFORNIA. Indian health career counselor's program.

NO1MB-44210-00 (**) COLEY, HERBERT L, OKLAHOMA CITY, OKLAHOMA. Indian health career program.

NO1MB-44211-00 (**) BEGAY, EUGENE, SARASOTA, FLORIDA. Indian health career counselor's program.

NO1MB-44213-00 (**) TEPE, FRANK R JR, CINCINNATI, OHIO. Inner city work-study program for health professions faculty.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- N01MB-44214-00** (**) **WRIGHT, PAUL**, ROLLING MEADOWS, ILLINOIS. Develop and implement health science curriculum in primary care.
- N01MB-44223-00** (**) **JOSMAN, KARYL F.**, BROOKLYN, NEW YORK. Allied health professions motivation and education.
- R01MH-00487-22** (EPR) **MIRSKY, I ARTHUR**, DEPARTMENT OF PSYCHIATRY, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Variables affecting avoidance behavior (human, monkeys, rats).
- R01MH-00576-22** (NP) **RICHTER, CURT P.**, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Biological timing devices in animals and man.
- R01MH-00623-21** (NP) **LACEY, JOHN I.**, FELLS RESEARCH INSTITUTE, 800 LIVERMORE STREET, YELLOW SPRINGS, OHIO. Psychophysiology of the autonomic nervous system (human, cats, monkeys).
- R01MH-00776-21** (EPR) **HESS, ECKARD H.**, UNIVERSITY OF CHICAGO, 5848 SOUTH UNIVERSITY AVENUE, CHICAGO, ILL. Experimental analysis of imprinting (aquatic birds).
- R01MH-01099-19** (PCR) **ZEAMAN, DAVID**, UNIVERSITY OF CONNECTICUT, DEPT OF PSYCHOLOGY, STORRS, CONN. Learning and transfer processes (human).
- R01MH-01206-18** (PCR) **ERIKSEN, CHARLES W.**, UNIVERSITY OF ILLINOIS, DEPARTMENT OF PSYCHOLOGY, CHAMPAIGN, ILL. Behavior without awareness (human).
- R01MH-01293-18** (PCR) **EPSTEIN, SEYMOUR**, UNIVERSITY OF MASSACHUSETTS, PSYCHOLOGY DEPARTMENT, AMHERST, MASS. Measurement of drive and conflict (human).
- R01MH-01475-16** (NP) **MALMO, ROBERT B.**, MC GILL UNIVERSITY, 805 SHERBROOKE ST WEST, MONTREAL, 110 P Q CANADA. Brain mechanisms in learning and response modulation (rats).
- R01MH-01562-17** (EPR) **CAMPBELL, BYRON A.**, DEPARTMENT OF PSYCHOLOGY, PRINCETON UNIVERSITY, PRINCETON, N J. Generalized effects of early traumatic experiences (rats, guinea pigs).
- R01MH-01951-17** (NP) **FISHER, ALAN E.**, UNIVERSITY OF PITTSBURGH, DEPT OF PSYCHOLOGY, PITTSBURGH, PA. Chemical stimulation of local brain areas (monkeys, rats).
- R01MH-02035-17** (NP) **MEYER, DONALD R.**, OHIO STATE UNIVERSITY, 1314 KINNEAR ROAD, COLUMBUS, OHIO. Learning and perception (rats).
- R01MH-02094-17** (PPR) **DEWS, PETER B.**, HARVARD MEDICAL SCHOOL, 25 SHUTTUCK STREET, BOSTON, MASS. Basic types of effects of drugs on behavior (birds, monkeys).
- R01MH-02100-17** (SSR) **VOGT, EVON Z.**, HARVARD UNIVERSITY, 33 KIRKLAND ST, CAMBRIDGE, MASS. An analysis of the process of cultural change (Mexico).
- R01MH-02238-15** (PCR) **CRANDALL, VIRGINIA C.**, FELLS RESEARCH INSTITUTE, YELLOW SPRINGS, OHIO. Childrens achievement development.
- R01MH-02261-16** (NP) **PASHK, PEDRO**, MT SINAI SCHOOL OF MEDICINE, FIFTH AVE & 100TH STREET, NEW YORK, N Y. Neurophysiologic aspects of visual discrimination (monkeys).
- R01MH-02271-17** (NP) **CHENG, MEI-FANG**, INSTITUTE OF ANIMAL BEHAVIOR, 101 WARREN STREET, NEWARK, N J. Psychological studies of behavior (ring doves).
- R01MH-02456-16** (EPR) **BLOUGH, DONALD S.**, DEPT OF PSYCH, BROWN UNIVERSITY, PROVIDENCES, R I. Comparative psychophysics and stimulus control (pigeons).
- R01MH-02717-16** (PPR) **GOLDSTEIN, MIENEK**, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Role of biogenic amines in central nervous system (mice, rats, monkeys, cattle, hu).
- R10MH-03030-15** (CPP) **HOLLISTER, LEO E.**, VETERANS ADMINISTRATION HOSP, 3801 MIRANDA AVENUE, PALO ALTO, CALIF. Improved clinical screening of phenotropic drugs (human).
- R01MH-03225-15** (PPR) **APRISON, MORRIS M.**, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Neurochemical correlates of behavior (rats, pigeons).
- R01MH-03372-15** (NP) **SPERRY, ROGER W.**, CALIFORNIA INSTITUTE OF TECH, DIVISION OF BIOLOGY, PASADENA, CALIF. Neural mechanisms in behavior.
- R01MH-03372-15** 0018 (NP) **FAGAN, LINDA**. Neural mechanisms in behavior-Development of eye movements and visual perception feedback (cats).
- R01MH-03372-15** 0021 (NP) **YOON, MYONGGEUN**. Neural mechanisms in behavior-Retinoctectal connections following surgery on optic tectum in goldfish.
- R01MH-03372-15** 0022 (NP) **YOON, MYONGGEUN**. Neural mechanisms in behavior-Retinoctectal reorganization in goldfish.
- R01MH-03372-15** 0027 (NP) **ZAIDEL, DAHLIA**. Neural mechanisms in behavior-Performance on Raven's colored progressive matrices after commissurotomy (human).
- R01MH-03372-15** 0028 (NP) **PREILOWSKI, BRUNO**. Neural mechanisms in behavior-Movement planning and weight comparisons (human).
- R01MH-03372-15** 0029 (NP) **PREILOWSKI, BRUNO**. Neural mechanisms in behavior-Learning a two-hand coordination task in commissurotomy patients.
- R01MH-03372-15** 0030 (NP) **PREILOWSKI, BRUNO**. Neural mechanisms in behavior-Perceptual-motor learning and bilateral transfer in commissurotomy patients.
- R01MH-03372-15** 0031 (NP) **GORDON, HAROLD W.** Neural mechanisms in behavior-Auditory impairment in forebrain commissurotomy patients.
- R01MH-03372-15** 0032 (NP) **KUMAR, SANTOSH**. Neural mechanisms in behavior-Short term memory following hemisphere deconnection (human).
- R01MH-03372-15** 0033 (NP) **KUMAR, SANTOSH**. Neural mechanisms in behavior-Lateralization of concept-formation in human cerebral hemispheres.
- R01MH-03372-15** 0034 (NP) **KUMAR, SANTOSH**. Neural mechanisms in behavior-Systems ability and information processing in human brain hemispheres.
- R01MH-03372-15** 0035 (NP) **PREILOWSKI, UTE-ANGELIKA**. Neural mechanisms in behavior-Language in the minor hemisphere.
- R01MH-03372-15** 0036 (NP) **NEBES, ROBERT**. Neural mechanisms in behavior-Perceptual organization of DOT patterns in commissurotomy man.
- R01MH-03372-15** 0037 (NP) **NEBES, ROBERT**. Neural mechanisms in behavior-Relationship of handedness to minor hemisphere function (human).
- R01MH-03372-15** 0038 (NP) **NEBES, ROBERT**. Neural mechanisms in behavior-Effects of interruption of transcortical association tracts (monkeys).
- R01MH-03372-15** 0039 (NP) **FAGAN, LINDA**. Neural mechanisms in behavior-Lateral dominance and development of cerebral specialization (human).
- R01MH-03372-15** 0040 (NP) **LEE-TENG, EVELYN**. Neural mechanisms in behavior-Thermoregulatory incentive in visual discrimination (chicks).
- R01MH-03372-15** 0041 (NP) **BENOWITZ, LARRY**. Neural mechanisms in behavior-Effects of forebrain ablation in avoidance learning (chicks).
- R01MH-03372-15** 0042 (NP) **BENOWITZ, LARRY**. Neural mechanisms in behavior-Involvement of chick forebrain in appetitive discrimination learning.
- R01MH-03372-15** 0043 (NP) **BENOWITZ, LARRY**. Neural mechanisms in behavior-Additive properties of interrupted training experiences in chicks.
- R01MH-03372-15** 0044 (NP) **MAGNUS, J GEOFFREY**. Neural mechanisms in behavior-Interaction between protein S 100 and neuroblastoma in culture.
- R01MH-03372-15** 0045 (NP) **MAGNUS, J GEOFFREY**. Neural mechanisms in behavior-Brain areas involved in current-induced amnesia (chicks).
- R01MH-03372-15** 0046 (NP) **MEYER, RONALD L**. Neural mechanisms in behavior-Recovery of vision in half-tactum frogs.
- R10MH-03701-15** (CPP) **GALLANT, DONALD M.**, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Clinical new chemotherapeutic agent evaluation.
- R10MH-03701-15** 0001 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Activity and chronic schizophrenia chemotherapy.
- R10MH-03701-15** 0002 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Controls in chronic schizophrenia chemotherapy evaluation.
- R10MH-03701-15** 0003 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Long term chronic schizophrenia chemotherapy.
- R10MH-03701-15** 0004 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Acute and adolescent schizophrenia.
- R10MH-03701-15** 0005 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Controls for alcoholism chemotherapy evaluation.
- R10MH-03701-15** 0006 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Activity and alcoholism chemotherapy.
- R10MH-03701-15** 0007 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Correlation of clinical with animal data (human, monkeys, cats).
- R10MH-03701-15** 0008 (CPP) **GALLANT, DONALD M.** Clinical new chemotherapeutic agent evaluation-Drug levels in blood.
- R01MH-03831-15** (NP) **MARSH, JAMES T.**, UCLA CENTER FOR THE HEALTH SCI, DEPARTMENT OF PSYCHIATRY, LOS ANGELES, CALIF. Auditory electrophysiology and behavior (cats, human).
- R01MH-03859-13** (PCR) **HILGARD, ERNEST R.**, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, STANFORD, CALIF. Developmental-interactive aspects of hypnosis.
- R01MH-03859-13** 0001 (PCR) **HILGARD, ERNEST R.** Developmental-interactive aspects of hypnosis-Developmental aspects of hypnosis.
- R01MH-03859-13** 0002 (PCR) **HILGARD, ERNEST R.** Developmental-interactive aspects of hypnosis-Interactive aspects of hypnosis.
- R01MH-03859-13** 0003 (PCR) **HILGARD, ERNEST R.** Developmental-interactive aspects of hypnosis-Hypnotic behavior and the hypnotic state.
- R01MH-03859-13** 0004 (PCR) **HILGARD, ERNEST R.** Developmental-interactive aspects of hypnosis-Use of hypnosis.
- R01MH-03916-15** (EPR) **GRINGS, WILLIAM W.**, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Perceptual factors in emotional conditioning (human).
- R01MH-04000-14** (EPR) **BEACH, FRANK A.**, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Determinants of species-Specific behavior (dogs, rodents, quail).
- R01MH-04151-14** (CPR) **RECHTSCHAFFEN, ALLAN**, SLEEP LABORATORY, 5741 S DREXEL AVENUE, CHICAGO, ILLINOIS. Psychology and physiology of sleep.
- R01MH-04151-14** 0002 (CPR) **RECHTSCHAFFEN, ALLAN**. Psychology and physiology of sleep-Effect of stress on sleep (rats).
- R01MH-04151-14** 0003 (CPR) **FREDERICKSON, CHRISTOPHER**. Psychology and physiology of sleep-Effect of sleep deprivation on sensory thresholds (rats).
- R01MH-04151-14** 0004 (CPR) **FREDERICKSON, CHRISTOPHER**. Psychology and physiology of sleep-Effect of sleep deprivation on unit activity in reticular formation (rats).
- R01MH-04151-14** 0005 (CPR) **FLANKAN, WILLIAM**. Psychology and physiology of sleep-Sleep patterns of reptiles (crocodiles, turtles, lizards).
- R01MH-04151-14** 0007 (CPR) **WILCOX, ROBERT**. Psychology and physiology of sleep-Operant control of sleep and waking responses (rats).
- R01MH-04151-14** 0008 (CPR) **ZEPULIN, HAROLD**. Psychology and physiology of sleep-Sleep and dreams in the aged (human).
- R01MH-04151-14** 0009 (CPR) **RECHTSCHAFFEN, ALLAN**. Psychology and physiology of sleep-Genetic determination of sleep in mice.
- R01MH-04151-14** 0010 (CPR) **RECHTSCHAFFEN, ALLAN**. Psychology and physiology of sleep-Effects of sleep deprivation and amphetamine on performance (rats).
- R01MH-04151-14** 0011 (CPR) **RECHTSCHAFFEN, ALLAN**. Psychology and physiology of sleep-Phasic oculomotor potentials in human sleep.
- R01MH-04202-14** (EPR) **SOLOMON, RICHARD L**, 3815 WALNUT STREET, PHILADELPHIA, PA. Conditioning and training experiments (ducks, chicks, dogs).
- R01MH-04453-14** (EPR) **KLOPPER, PETER H.**, DUKE UNIVERSITY, DEPARTMENT OF ZOOLOGY, DURHAM, N C. Early experience and behavior (birds, goats, deer, lemurs).
- R01MH-04582-13** (PPR) **CRAIG, JOHN C.**, UNIVERSITY OF CALIFORNIA, SCHOOL OF PHARMACY, SAN FRANCISCO, CALIF. Synthesis of compounds related to lysergic acid (rats, mice, guinea pigs).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- R01MH-04618-12 (CPR) FRANK, JEROME D, HENRY PHIPPS PSYCHIATRIC CLIN, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Psychotherapy of psychiatric outpatients.
- R10MH-04665-14 (CPP) CAMPBELL, MAGDA, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Childrens psychopharmacology unit.
- R10MH-04669-14 (CPP) GERSHON, SAMUEL, NEW YORK UNIV MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Controlled drug evaluation.
- R10MH-04669-14 0001 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Behavioral effects of L-dopa in schizophrenic patients.
- R10MH-04669-14 0002 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Response threshold to L-dopa in psychiatric patients.
- R10MH-04669-14 0003 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Antinuclear factor in psychiatric patients.
- R10MH-04669-14 0004 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Plasma renin response to lithium in psychiatric patients.
- R10MH-04669-14 0005 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Possible role of chlorpromazine metabolites in schizophrenia therapy.
- R10MH-04669-14 0006 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Platalet MAO activity in psychiatric patients.
- R10MH-04669-14 0007 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Rebound phenomena in manic patients following phostyigmine.
- R10MH-04669-14 0008 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Amines and affective state (human).
- R10MH-04669-14 0009 (CPP) GERSHON, SAMUEL. Controlled drug evaluation—Antagonism of amphetamine-induced symptomatology by neuroleptics (dogs).
- R01MH-04726-14 (NP) WARREN, J M, PENNSYLVANIA STATE UNIV, ANIMAL BEHAVIOR LABORATORY, UNIVERSITY PARK, PA. Functions of association cortex in learning (cats, monkeys).
- R01MH-04849-13 (NP) DIAMOND, IRVING T, DUKE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, DURHAM, N C. Behavioral analysis of sensory neocortex (insectivores, squirrels, cats, lemurs).
- R01MH-04920-12 (EPR) FINGER, FRANK W, UNIVERSITY OF VIRGINIA, PSYCHOLOGY DEPARTMENT, CHARLOTTESVILLE, VA. Circadian patterns of normal and pathological functions (rats).
- R01MH-04954-13 (PPR) HELLER, ALFRED, UNIVERSITY OF CHICAGO, 947 EAST 58TH STREET, CHICAGO, ILL. Limbic system lesions and brain neurohumors (rats, rabbits).
- R01MH-05115-13 (PCR) LOEVINGER, JANE, WASHINGTON UNIVERSITY, LINDELL & SKINNER BLVDS, ST LOUIS, MO. Measurement and studies of eye development.
- R01MH-05162-12 (PCR) BANDURA, ALBERT, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, STANFORD, CALIF. Analysis of vicarious psychological processes (human).
- R01MH-05202-13 (CPP) LEHMANN, HEINZ E, DOUGLAS HOSPITAL, 6875 LASALLE BLVD, QUEBEC, CANADA. Comprehensive clinical studies of psychoactive drugs (human).
- R01MH-05286-12 (NP) GOFF, WILLIAM R, VETERANS ADMINISTRATION HOSP, WEST SPRING STREET, WEST HAVEN, CONN. Psychophysiology of perception.
- R01MH-05286-12 0001 (NP) GOFF, WILLIAM R. Psychophysiology of perception—Evoked potentials from the surface and depth of the human brain.
- R01MH-05286-12 0002 (NP) WILLIAMSON, PETER, D. Psychophysiology of perception—AEPs in the assessment of epilepsy and anticonvulsant.
- R01MH-05286-12 0003 (NP) GOFF, WILLIAM R. Psychophysiology of perception—Origin of early auditory evoked potentials in man.
- R01MH-05286-12 0004 (NP) WOOD, C C. Psychophysiology of perception—Levels of processing in speech perception (human).
- R01MH-05286-12 0005 (NP) WICKE, JERRY D. Psychophysiology of perception—AERS associated with judgements of sounds during linguistic processing (human).
- R01MH-05286-12 0006 (NP) WICKE, JERRY D. Psychophysiology of perception—Relation between long-latency AERS and perceptual discrimination.
- R01MH-05286-12 0007 (NP) DONALD, MERLIN W. Psychophysiology of perception—Topography of the contingent negative variation during timed human performance.
- R01MH-05286-12 0008 (NP) DONALD, MERLIN W. Psychophysiology of perception—Topographic analysis of amplitude fluctuations in late sensory.
- R01MH-05286-12 0009 (NP) GOFF, GENEVIVE D. Psychophysiology of perception—Topographic analysis of auditory, somatic, and visual evoked potentials.
- R01MH-05286-12 0010 (NP) ALLISON, TRUETT. Psychophysiology of perception—Electrophysiological studies of the evolution of sleep.
- R01MH-05286-12 0011 (NP) ALLISON, TRUETT. Psychophysiology of perception—Electrophysiological studies of dormancy and hibernation (echidna).
- R01MH-05286-12 0012 (NP) ALLISON, TRUETT. Psychophysiology of perception—Electrophysiology of sensory, interhemispheric evoked.
- R01MH-05286-12 0013 (NP) VAN TWYVER, H. Psychophysiology of perception—Polygraphic and behavioral study of sleep (pigeons).
- R01MH-05286-12 0014 (NP) ALLISON, TRUETT. Psychophysiology of perception—Alteration in SERs produced by administration of monomethyl hydrazine (cats).
- R01MH-05286-12 0015 (NP) ALLISON, TRUETT. Psychophysiology of perception—Midline late response (cats).
- P01MH-05519-13 (MHP) GRINKER, ROY B, SR, MICHAEL REESE HOSP & MED CTR, 29 & ELLIS AVENUE, CHICAGO, ILL. Psychosomatic clinical research center.
- P01MH-05519-13 0016 (MHP) KOH, SOON D. Psychosomatic clinical research center—Characteristics of schizophrenics in immediate recall of word-lists.
- P01MH-05519-13 0017 (MHP) KAYTON, LAWRENCE. Psychosomatic clinical research center—Pleasure deficit of schizophrenics.
- P01MH-05519-13 0018 (MHP) KOH, SOON D. Psychosomatic clinical research center—Effect of linguistic constraints on memorization of sentences by schizophrenics.
- P01MH-05519-13 0019 (MHP) KOH, SOON D. Psychosomatic clinical research center—Structure of word-storage in memory of schizophrenics.
- P01MH-05519-13 0020 (MHP) KOH, SOON D. Psychosomatic clinical research center—Recognition memory of schizophrenics.
- P01MH-05519-13 0021 (MHP) KOH, SOON D. Psychosomatic clinical research center—Perceptual memory for numerosness in schizophrenia.
- P01MH-05519-13 0022 (MHP) KOH, SOON D. Psychosomatic clinical research center—The serial position effect of free recall in schizophrenia.
- P01MH-05519-13 0023 (MHP) KOH, SOON D. Psychosomatic clinical research center—Effects of affective imagery on paired-associate learning of schizophrenics.
- R01MH-05683-12 (MHP) FREUD, ANNA, HAMPSTEAD CHILD THERAPY CLINIC, 20 MARESFIELD GARDENS, LONDON NW 3 ENGLAND. Childhood psychopathology process and overt symptom.
- R01MH-05753-13 (MHP) GOLDFARB, WILLIAM, HENRY HITLESON CTR-CHILD RES, 5050 ISELIN AVENUE, NEW YORK, N Y. Growth and family patterns in childhood schizophrenia.
- R01MH-05831-13 (PPR) SHORE, PARKHURST A, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Mechanisms of storage and release of amines (rats, rabbits).
- R01MH-06211-12 (NP) MEYER, DONALD R, OHIO STATE UNIVERSITY RES FDN, 1314 KINNEAR ROAD, COLUMBUS, OHIO. Postoperative recovery mechanisms and retention (rats).
- R01MH-06275-12 (SSR) SEWELL, WILLIAM H, UNIVERSITY OF WISCONSIN, 1180 OBSERVATORY DRIVE, MADISON, WIS. Social and psychological factors in status attainment (human).
- R01MH-06564-12 (PPR) GEBHART, GERALD F, UNIVERSITY OF IOWA, DEPARTMENT OF PHARMACOLOGY, IOWA CITY, IOWA. Neuropharmacology of psychopharmacological agents (cats, rats, mice).
- R01MH-06580-12 (PCR) HRWIN, FRANCIS W, UNIVERSITY OF PENNSYLVANIA, 3815 WALNUT STREET, PHILADELPHIA, PA. Some parameters of decision-making.
- R01MH-06645-13 (MHP) COLBY, KENNETH M, STANFORD UNIVERSITY, COMPUTER SCIENCE DEPT, STANFORD, CALIF. Computer models in psychiatry and psychotherapy.
- R01MH-06671-11 (PCR) ARONFRED, JUSTIN, UNIVERSITY OF PENNSYLVANIA, 3813-15 WALNUT STREET, PHILADELPHIA, PA. The development of children's naturalistic concepts.
- R01MH-06686-12 (NP) FREEMAN, WALTER J, UNIVERSITY OF CALIFORNIA, 2571 LIFE SCIENCES BUILDING, BERKELEY, CALIF. Correlation of EEG and behavior (cats, rabbits).
- R01MH-06723-12 (NP) VAUGHAN, HERBERT G, JR, YESHIVA UNIVERSITY, 55 FIFTH AVENUE, NEW YORK, N Y. Electrophysiology studies of psychomotor processes (human, monkeys).
- R01MH-06792-12 (EPR) GRANT, DAVID A, UNIVERSITY OF WISCONSIN, CHARTER & JOHNSON, PSYCHOL BLV, MADISON, WIS. Verbal control of behavior in classical conditioning (human).
- R01MH-06830-13 (PCR) MISCHEL, WALTER, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, STANFORD, CALIF. Delay of gratification in choice situations (children).
- R01MH-07051-11 (NP) VONBIDA, THEODORE J, ASSOC PROF, 2991 ABINGTON ROAD, CLEVELAND, OHIO. Anatomic and behavioral studies of brain mechanisms.
- R01MH-07097-11 (NP) BUCHWALD, NATHANIEL A, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Behavioral and electrical studies of basal ganglia (cats).
- R01MH-07658-12 (PPR) KELLEHER, ROGER T, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Drugs and reactions to aversive stimuli (monkeys).
- R01MH-07705-11 (SSR) OSGOOD, CHARLES E, UNIVERSITY OF ILLINOIS, 634 PSYCHOLOGY BUILDING, URBANA, ILL. Studies on comparative psycholinguistics.
- R01MH-07722-10 (PCR) SIMON, HERBERT A, CARNEGIE-MELLON UNIVERSITY, PITTSBURGH, PA. Research on information processing psychology (human).
- R01MH-07809-11 (EPR) CARTERETTE, EDWARD C, UNIVERSITY OF CALIFORNIA, 405 HILGARD, LOS ANGELES, CALIF. A quantitative analysis of judgment (human).
- R01MH-07923-11 (EXP) CHOROVER, STEPHAN L, MASS INST OF TECH, 77 MASS AVE, CAMBRIDGE, MASS. Neurobehavioral plasticity in a simple cortical system (rats, rabbits, hamsters).
- R01MH-07995-11 (EPR) OBRIST, PAUL A, DEPARTMENT OF PSYCHIATRY, UNIV OF NORTH CAROLINA, CHAPEL HILL, N C. Heart rate conditioning.
- R01MH-07995-11 0001 (EPR) OBRIST, PAUL A. Heart rate conditioning—Hypertensives exposed to stress reaction time tasks (human).
- R01MH-07995-11 0002 (EPR) OBRIST, PAUL A. Heart rate conditioning—Evaluating attentional processes in hyperactive children.
- R01MH-07995-11 0003 (EPR) OBRIST, PAUL A. Heart rate conditioning—Operant conditioning of heart rate (human).
- R01MH-07995-11 0004 (EPR) OBRIST, PAUL A. Heart rate conditioning—Experimental hypertension using shock avoidance procedures (dogs).
- R01MH-07995-11 0005 (EPR) OBRIST, PAUL A. Heart rate conditioning—Relationship between heart rate and somatic activity during conditioning (cats).
- R01MH-07995-11 0006 (EPR) OBRIST, PAUL A. Heart rate conditioning—Sympathetic influences on heart rate during stress (human).
- R01MH-08061-11 (EPR) LEIBOWITZ, HERSCHEL W, PENNSYLVANIA STATE UNIVERSITY, 614 PSYCHOLOGY BUILDING, UNIVERSITY PARK, PA. Analytic studies of visual perception (human).
- R10MH-08240-11 (CPP) SIMPSON, GEORGE M, ROCKLAND STATE HOSPITAL, RESEARCH CENTER, ORANBURG, N Y. Drug-screening program for drug-resistant schizophrenics.
- R01MH-08366-11 (NP) ZEGLER, HARRIS P, HUNTER COLLEGE, CUNY, 695 PARK AVE, NEW YORK, N Y. Neural control of avian feeding behavior (pigeons).
- R01MH-08423-10 (EPR) WICKENS, DELOS D, OHIO STATE UNIV RESEARCH CTR, 1314 KINNEAR ROAD, COLUMBUS, OHIO. Memory and interference in classical conditioning (cats).
- R01MH-08493-11 (NP) HOEBEL, BARTLEY G, PRINCETON UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, PRINCETON, N J. Neural reinforcement of motivated behavior (rats).
- R01MH-08604-11 (EPR) ROSENBLATT, JAY S, INSTITUTE OF ANIMAL BEHAVIOR, 101 WARREN STREET, NEWARK, N J. Psychobiology of maternal behavior.
- R01MH-08604-11 0001 (EPR) ROSENBLATT, JAY S. Psychobiology of maternal behavior—Development during pregnancy and parturition (rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1MH-08604-11 0004 (EPR) ROSENBLATT, JAY S. Psychobiology of maternal behavior-Neural basis (rats).
- RO1MH-08604-11 0005 (EPR) SIEGEL, H. Psychobiology of maternal behavior-Hormonal changes in maternal behavior after hysterectomy (rats).
- RO1MH-08604-11 0006 (EPR) ROSENBLATT, JAY S. Psychobiology of maternal behavior-Selectivity in retrieving of maternal and non-maternal rats.
- RO1MH-08604-11 0007 (EPR) REISBICK, SYDNEY. Psychobiology of maternal behavior-Decline of maternal behavior (rats).
- RO1MH-08604-11 0008 (EPR) REISBICK, SYDNEY. Psychobiology of maternal behavior-Mother-young relationship in guinea pig.
- RO1MH-08604-11 0009 (EPR) REISBICK, SYDNEY. Psychobiology of maternal behavior-Pup-induction of maternal behavior in non-pregnant guinea pig.
- PO1MH-08618-10 (MHP) FRIEDHOFF, ARNOLD J, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Biological studies of psychotic disorders.
- PO1MH-08618-10 0004 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Mechanism of action of mescaline (rats).
- PO1MH-08618-10 0006 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Amphetamine psychosis (human).
- PO1MH-08618-10 0031 (MHP) BURDOCK, EUGENE. Biological studies of psychotic disorders-Acquisition of behavioral data (human).
- PO1MH-00618-10 0039 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Guailacol-O-methyltransferase (GOMT) (rats, mice).
- PO1MH-08618-10 0040 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Possible role of DMPEA and NADMPPEA in brain function (rats).
- PO1MH-08618-10 0041 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Studies of oldemethylase (human).
- PO1MH-08618-10 0042 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Studies of N-acetylase (rats, human).
- PO1MH-08618-10 0043 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Tyrosine hydroxylase (rats).
- PO1MH-08618-10 0044 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Hydroxyindole-O-methyltransferase and N-methyltransferase (human).
- PO1MH-08618-10 0045 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Relationship between dopaminergic and serotonergic systems (rats, dogs).
- PO1MH-08618-10 0046 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Effects of subclinical doses of mescaline (human).
- PO1MH-08618-10 0047 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Autistic and schizophrenic children.
- PO1MH-08618-10 0043 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Psychopharmacology and dopaminergic and cholinergic systems (human).
- PO1MH-08618-10 0049 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Management of drug-free disturbed patients.
- PO1MH-08618-10 0050 (MHP) FRIEDHOFF, ARNOLD J. Biological studies of psychotic disorders-Relationship between brain and blood enzymes (human, rats).
- PO1MH-08667-10 (ESR) BUTLER, EDGAR W, PACIFIC STATE HOSPITAL, P O BOX 100, POMONA, CALIF. A longitudinal epidemiology of impaired competence.
- PO1MH-08667-10 0001 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Mental retardation epidemiology-Population movement (human).
- PO1MH-08667-10 0002 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Mental retardation epidemiology-Western interstate commission (human).
- PO1MH-08667-10 0003 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Mental retardates-Phi measurement through optokinetic nystagmus (human).
- PO1MH-08667-10 0004 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Characteristics of educationally handicapped children.
- PO1MH-08667-10 0005 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Baseline arousal (human).
- PO1MH-08667-10 0006 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Visually limited-Retarded study (human).
- PO1MH-08667-10 0007 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Foster care, retarded.
- PO1MH-08667-10 0008 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Assessment problems in determining stimulus thresholds for the mentally retarded.
- PO1MH-08667-10 0009 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Structure of the intellect.
- PO1MH-08667-10 0010 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Reaction of mentally retarded to humor stimuli.
- PO1MH-08667-10 0011 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Color conformity and the mentally retarded-Social pressure.
- PO1MH-08667-10 0012 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Factor structure of the WISC and WAIS for retardates.
- PO1MH-08667-10 0013 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Environmental enrichment for retardates.
- PO1MH-08667-10 0014 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Physiological monitoring studies-Retardates.
- PO1MH-08667-10 0015 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Riverside community study-Retardates.
- PO1MH-08667-10 0016 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Behaviors labeled Mentally III and the Mentally III role.
- PO1MH-08667-10 0017 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Computer operations and programming-Retardates.
- PO1MH-08667-10 0018 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Paraprofessionals-Source for individualized instruction in special education.
- PO1MH-08667-10 0019 (ESR) EYMAN, RICHARD K. A longitudinal epidemiology of impaired competence-Application of biostatistical methodology to personnel classification - turnover.
- RO1MH-08744-10 (CPR) RODNICK, ELIOT H, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, LOS ANGELES, CALIF. Coping behavior in schizophrenia.
- RO1MH-08833-11 (PPR) BAKER, WALTER W, EAST PENNSYLVANIA PSYCH INST, HENRY AVE & ABBOTSFORD RD, PHILADELPHIA, PA. Neuropharmacologic studies of local brain function (cats).
- RO1MH-08853-10 (PCR) SHAPIRO, DAVID, MASS MENTAL HLTH CTR, 74 FENWOOD ROAD, BOSTON, MASS. Instrumental properties of human autonomic functions.
- RO1MH-08909-11 (NP) KEESEY, RICHARD E, UNIVERSITY OF WISCONSIN, CHARTER AT JOHNSON STS, MADISON, WIS. Physiological regulation of body weight (rats).
- RO1MH-08936-11 (NP) FLYNN, JOHN P, CONNECTICUT MENTAL HEALTH CTR, 34 PARK STREET, NEW HAVEN, CONN. Neural basis of aggression (cats, monkeys).
- RO1MH-08954-10 (CPP) FISHER, SEYMOUR, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Methodology of outpatient drug research (human).
- RO1MH-08957-10 (CPP) RICKELS, KARL, HOSPITAL UNIVERSITY OF PA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Early drug evaluation in neurotic outpatients.
- RO1MH-08958-10 (CPP) RICKELS, KARL, PHILADELPHIA GENERAL HOSPITAL, 34TH ST & CIVIC CTR BLVD, PHILADELPHIA, PA. Early drug evaluation in neurotic outpatients.
- R12MH-09191-11 (MHP) GURLAND, BARRY, BIOMETRICS RESEARCH, 722 WEST 168TH STREET, NEW YORK, N Y. Diagnosis of mental disorder in U S and U K.
- RO1MH-09215-10 (JP) GUTELIUS, MARGARET F, RES FDN OF CHILDREN'S HOSPITAL, 2125 13TH STREET, N W, WASHINGTON, D C. Mobile unit for child health supervision.
- R12MH-09239-07 (MHP) SARTORIUS, NORMAN, WORLD HEALTH ORGANIZATION, 1211 GENEVA 27, SWITZERLAND. International study of schizophrenia.
- R12MH-09252-07 (MHP) BERGEN, JOHN B, WORCESTER FDN FOR EXP BIO, 222 MAPLE AVENUE, SHREWSBURY, MASS. Serological fractions in schizophrenics and controls (human, primates, rats).
- PO1MH-10006-10 (PCR) JONES, LYLE V, UNIV OF NORTH CAROLINA, LL THURSTONE PSYCHOMETRIC LAB, CHAPEL HILL, N C. Research center for quantitative psychology.
- PO1MH-10006-10 0001 (PCR) JONES, LYLE V. Research center for quantitative psychology-Human decision behavior.
- PO1MH-10006-10 0002 (PCR) JONES, LYLE V. Research center for quantitative psychology-Simulation of concept learning and problem solving.
- PO1MH-10006-10 0003 (PCR) JONES, LYLE V. Research center for quantitative psychology-Psycholinguistics.
- PO1MH-10006-10 0004 (PCR) JONES, LYLE V. Research center for quantitative psychology-Models of psychological measurement.
- PO1MH-10006-10 0005 (PCR) JONES, LYLE V. Research center for quantitative psychology-Behavioral statistics.
- NO1MH-10032-00 (**) JOHNS HOPKINS UNIV, CHARLES AND 34TH ST, BALTIMORE MD 21218. Field test of an epidemiologic assessment of community mental health.
- NO1MH-10065-02 (**) GEN PRACTITIONER RES GP, 325 STAINES RD, TWICKENHAM MIDDLESEX ENGLAND. Clinical evaluation studies of antidepressants.
- NO1MH-10067-05 (**) UNIV HAWAII, 2444 DOLE ST, HONOLULU HAWAII 96822. Provide mental health documents including drug abuse.
- RO1MH-10083-10 (NP) CLEMENTE, CARMINE D, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Forebrain mechanisms for internal inhibition and sleep (cats, rats).
- NO1MH-10098-01 (**) UNIV TEXAS, SCHOOL OF PUB HLTH, PO BOX 20186 ASTRODOME STATION, HOUSTON TEXAS 77025. Community data in detection of behavioral outbreaks.
- RO1MH-10130-10 (NP) GROSSMAN, SEBASTIAN P, UNIVERSITY OF CHICAGO, 5848 S UNIVERSITY, CHICAGO, ILL. Behavioral effect of local chemical brain stimulation (rats).
- RO1MH-10179-09 (NP) HAMMONT, CHARLES L, UNIVERSITY OF PENNSYLVANIA, DEPT OF PHYSIOLOGY, PHILADELPHIA, PA. Regulation of food intake (monkeys).
- RO1MH-10249-07 (EPR) KEPPEL, GEOFFREY, INSTITUTE OF LEARNING T-4, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Analysis of the two-factor theory of interference (human).
- RO1MH-10316-11 (EPR) LOGAN, FRANK A, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF PSYCHOLOGY, ALBUQUERQUE, N MEX. The free behavior situation (rats).
- RO1MH-10328-10 (ESR) DOHRENWEND, BRUCE P, COLUMBIA UNIVERSITY, 100 HAVEN TOWER TOWER 3-19H, NEW YORK, N Y. Measurement of untreated psychiatric disorder.
- RO1MH-10734-09 (NP) RUSHFORTH, NORMAN B, CASE WESTERN RESERVE UNIV, 2040 ADELBERT RD, CLEVELAND, OHIO. Behavioral patterns in elementary nervous system.
- RO1MH-10753-09 (EPR) HABER, RALPH N, UNIVERSITY OF ROCHESTER, DEPARTMENT OF PSYCHOLOGY, ROCHESTER, N Y. Antecedents of perceptual selectivity (children, adults).
- RO1MH-10972-09 (NP) WILSON, WILLIAM A, JR, UNIV OF CONNECTICUT, DEPARTMENT OF PSYCHOLOGY, STORRS, CONN. Analysis of behavioral functions of cerebral areas (monkeys).
- RO1MH-10993-10 (CPR) LANG, PETER J, UNIVERSITY OF WISCONSIN, DEPT OF PSYCHOLOGY, MADISON, WIS. Fear modification and learned autonomic control (human).
- RO1MH-11089-10 (EPR) WALLACH, HANS, SWARTHMORE COLLEGE, SWARTHMORE, PA. Factors in the constancy of visual direction (human).
- RO1MH-11191-09 (PPR) SEIDEN, LEWIS S, UNIVERSITY OF CHICAGO, 947 EAST 58TH STREET, CHICAGO, ILL. Brain amines and behavior (mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- R01MH-11299-10 (CPR) KNAPP, PETER H, DOCTOR'S OFFICE BUILDING, 720 HARRISON AVE, SUITE 601, BOSTON, MASS. Emotion and pulmonary function in asthma (human).
- R01MH-11321-08 (PCR) HUNT, J MC VICKER, DEPT OF PSYCHOLOGY, UNIVERSITY OF ILLINOIS, CHAMPAIGN, ILL. Motivation and experience-Theory (human).
- R01MH-11440-07 (CPR) LOVAAS, O IVAR, DEPT OF PSYCHO UNIV OF CALIF, 405 HILGARD AVE, LOS ANGELES, CALIF. Experimental studies in childhood schizophrenia.
- R10MH-11468-09 (PPR) SULSER, FRIDOLIN, VANDERBILT UNIVERSITY, DEPT OF PHARMACOLOGY, NASHVILLE, TENN. Psychopharmacology research center.
- R10MH-11468-09 0016 (PPR) BASS, ALLAN D. Psychopharmacology research center-Measurement of non-hepatic drug metabolism.
- R10MH-11468-09 0017 (PPR) BASS, ALLAN D. Psychopharmacology research center-Metabolic interactions with conjugation of steroids with glucuronic acid (rats).
- R10MH-11468-09 0018 (PPR) BASS, ALLAN D. Psychopharmacology research center-11-Hydroxy and 8,11-dihydroxy metabolites of THC.
- R10MH-11468-09 0019 (PPR) BASS, ALLAN D. Psychopharmacology research center-Plasma levels of butaperazine and therapeutic or side effects in man.
- R10MH-11468-09 0020 (PPR) BASS, ALLAN D. Psychopharmacology research center-Antagonism of antihypertensive effect of guanethidine by neuroleptic drugs (rats).
- R10MH-11468-09 0021 (PPR) BASS, ALLAN D. Psychopharmacology research center-Hydroxylated metabolites of amphetamine in the CNS (rats).
- R10MH-11468-09 0022 (PPR) BASS, ALLAN D. Psychopharmacology research center-Stored vs newly synthesized catecholamines in amphetamine CNS stimulation (rats).
- R10MH-11468-09 0023 (PPR) BASS, ALLAN D. Psychopharmacology research center-PCA and the synaptosomal uptake of catecholamine and 5HT (rats).
- R10MH-11468-09 0024 (PPR) BASS, ALLAN D. Psychopharmacology research center-Role of adrenergic mechanisms in motor and cataleptic effects of morphine (rats).
- R10MH-11468-09 0025 (PPR) BASS, ALLAN D. Psychopharmacology research center-Behavioral pharmacology of D- and l-amphetamine and methylphenidate in man.
- R10MH-11468-09 0026 (PPR) BASS, ALLAN D. Psychopharmacology research center-Push-pull cannula studies of the release of serotonin.
- R10MH-11468-09 0027 (PPR) BASS, ALLAN D. Psychopharmacology research center-Long term effects of P-chloroamphetamine and P-chlorophenylalanine (rats).
- R10MH-11468-09 0028 (PPR) BASS, ALLAN D. Psychopharmacology research center-Effect of PCA on the synthesis of 5HT in peripheral tissue.
- R10MH-11468-09 0029 (PPR) BASS, ALLAN D. Psychopharmacology research center-Serotonergic mechanisms in action of morphine (rats, mice).
- R10MH-11468-09 0080 (PPR) BASS, ALLAN D. Psychopharmacology research center-Serum tryptophan in man.
- R10MH-11468-09 0031 (PPR) BASS, ALLAN D. Psychopharmacology research center-Clinical pharmacology of DL-PCA.
- R10MH-11468-09 0032 (PPR) BASS, ALLAN D. Psychopharmacology research center-Analysis of the level and turnover of acetylcholine (rats).
- R10MH-11468-09 0033 (PPR) BASS, ALLAN D. Psychopharmacology research center-Cholinergic mechanisms in mania depression and schizophrenia (rats).
- R10MH-11468-09 0034 (PPR) BASS, ALLAN D. Psychopharmacology research center-Modification of the cyclic AMP system by LSD, amphetamines and antipsychotics.
- R10MH-11468-09 0035 (PPR) BASS, ALLAN D. Psychopharmacology research center-Clinical studies on plasma levels of cyclic AMP.
- R10MH-11468-09 0036 (PPR) BASS, ALLAN D. Psychopharmacology research center-Medicinal chemistry.
- R01MH-11547-06 (CPR) FRIEDMAN, ALFRED S, PHILADELPHIA PSYH CTR, FORD ROAD & MONUMENT AVENUE, PHILADELPHIA, PENN. Parental factors and schizophrenia.
- P01MH-11668-09 (MHP) ENGEL, GEORGE L, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Psychosocial factors in health and disease.
- P01MH-11668-09 0001 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Behavior and gastric secretion in gastric fistula subjects.
- P01MH-11668-09 0004 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Physiologic changes during sadness.
- P01MH-11668-09 0005 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Conservation-withdrawal.
- P01MH-11668-09 0006 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Permanent cardiac pacemakers.
- P01MH-11668-09 0007 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Identical twins with leukemia.
- P01MH-11668-09 0010 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Psychosocial aspects of hemodialysis and renal transplantation.
- P01MH-11668-09 0012 (MHP) KLEIN, ROBERT. Psychosocial factors in health and disease-Behavior of patients treated for myocardial infarct during intensive care.
- P01MH-11668-09 0015 (MHP) SCHMALE, ARTHUR. Psychosocial factors in health and disease-Identification of clinical depression by symptomatic behavior.
- P01MH-11668-09 0016 (MHP) FRIEDERICH, MARY ANNA. Psychosocial factors in health and disease-Selective abortions.
- P01MH-11668-09 0018 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Medical education.
- P01MH-11668-09 0026 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Women with ischemic stroke.
- P01MH-11668-09 0027 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Pre-hospital phase of myocardial infarct at Kodak plant.
- P01MH-11668-09 0030 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-The grieving process.
- P01MH-11668-09 0031 (MHP) TINLING, DAVID C. Psychosocial factors in health and disease-Grieving-A ten year study after multiple deaths from accident.
- P01MH-11668-09 0032 (MHP) SCHMALE, ARTHUR. Psychosocial factors in health and disease-Life crisis involving hysterectomy or abortion.
- P01MH-11668-09 0034 (MHP) MEI-TAL, VARDA. Psychosocial factors in health and disease-Psychological adaptation in multiple sclerosis.
- P01MH-11668-09 0035 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Psychosocial factors in leprosy.
- P01MH-11668-09 0036 (MHP) SCHMALE, ARTHUR. Psychosocial factors in health and disease-Behavioral correlations of carcinomatous changes in cervix.
- P01MH-11668-09 0039 (MHP) MEI-TAL, VARDA. Psychosocial factors in health and disease-Conversion as a prelude to multiple sclerosis.
- P01MH-11668-09 0040 (MHP) MEI-TAL, VARDA. Psychosocial factors in health and disease-Psychosomatic disorders among university students.
- P01MH-11668-09 0045 (MHP) TINLING, DAVID C. Psychosocial factors in health and disease-Cognitive aspects of fear in phobias.
- P01MH-11668-09 0047 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Arteriosclerosis-Differentiation of 'vascular' and 'non-vascular' population.
- P01MH-11668-09 0048 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Arteriosclerosis-Women with myocardial infarction.
- P01MH-11668-09 0049 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Arteriosclerosis-Peripheral vascular disease.
- P01MH-11668-09 0050 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Arteriosclerosis-Developmental determinants of the pressured pattern.
- P01MH-11668-09 0057 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Ulcerative colitis-Characteristics and illness patterns in patients over 50.
- P01MH-11668-09 0062 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Evaluation of effectiveness in teaching clinical observation.
- P01MH-11668-09 0063 (MHP) FRIEDERICH, MARY ANNA. Psychosocial factors in health and disease-Outcome of induced abortion of wanted pregnancy.
- P01MH-11668-09 0064 (MHP) FRIEDERICH, MARY ANNA. Psychosocial factors in health and disease-Psychiatric registry follow-up of hysterectomy or sterilization.
- P01MH-11668-09 0066 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Psychosocial factors in long term survival in neoplasia.
- P01MH-11668-09 0067 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Pre-hospital phase of myocardial infarct at other than Kodak plant.
- P01MH-11668-09 0068 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Pre-hospital phase of myocardial infarct-Sudden death.
- P01MH-11668-09 0069 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Morbidity and mortality related to reactions during cardiac catheterization.
- P01MH-11668-09 0070 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Psychologic and hormonal reaction to hemolysis and renal transplantation.
- P01MH-11668-09 0071 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Sexual behavior in patients with hemodialysis and renal transplantation.
- P01MH-11668-09 0072 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Donor selection for renal transplantation.
- P01MH-11668-09 0073 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Mycardial infarct-Morbidity and mortality in widows.
- P01MH-11668-09 0080 (MHP) LABRUM, ANTHONY H. Psychosocial factors in health and disease-Drug usage in pregnant teenagers.
- P01MH-11668-09 0082 (MHP) LABRUM, ANTHONY H. Psychosocial factors in health and disease-Determinants of conception in women with 2 or more living children.
- P01MH-11668-09 0083 (MHP) MEYEROWITZ, SANFORD. Psychosocial factors in health and disease-Rheumatoid arthritis.
- P01MH-11668-09 0084 (MHP) MEYEROWITZ, SANFORD. Psychosocial factors in health and disease-Behavioral aspects of genetic counseling.
- P01MH-11668-09 0085 (MHP) MEYEROWITZ, SANFORD. Psychosocial factors in health and disease-Sequelae of induced abortion.
- P01MH-11668-09 0087 (MHP) SCHMALE, ARTHUR. Psychosocial factors in health and disease-Predictive differentiation of anxiety vs helplessness and guilt vs shame.
- P01MH-11668-09 0088 (MHP) SCHMALE, ARTHUR. Psychosocial factors in health and disease-Age related characteristics of affective behavior.
- P01MH-11668-09 0089 (MHP) SCHMALE, ARTHUR. Psychosocial factors in health and disease-Psychic syndromes presenting with somatic complaints.
- P01MH-11668-09 0090 (MHP) SCHMALE, ARTHUR. Psychosocial factors in health and disease-Giving-up and disease onset in a 'non-sick' population.
- P01MH-11668-09 0091 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Onset of Herpes Zoster-Prediction of post herpetic pain.
- P01MH-11668-09 0092 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Gestures, posture, facial expressions associated with giving up.
- P01MH-11668-09 0093 (MHP) ENGEL, GEORGE L. Psychosocial factors in health and disease-Recording of exact dates in the unconscious.
- P01MH-11668-09 0094 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Heart research follow-up program.
- P01MH-11668-09 0095 (MHP) GREENE, WILLIAM A. Psychosocial factors in health and disease-Process of dying-Role of physician, nurse, family.
- P01MH-11668-09 0096 (MHP) SCHMALE, ARTHUR H. Psychosocial factors in health and disease-Psychology of the cancer patient.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1MH-11668-09 0097 (MHP) SCHMALE, ARTHUR H. Psychosocial factors in health and disease-Evaluating the coping patterns of cancer patients.
- PO1MH-11668-09 0098 (MHP) LABRUM, ANTHONY H. Psychosocial factors in health and disease-Psychosocial study of pregnant adolescents.
- PO1MH-11668-09 0099 (MHP) MEI-TAL, VARDA. Psychosocial factors in health and disease-Psychological processes in familial Mediterranean fever.
- PO1MH-11668-09 0100 (MHP) MEYEROWITZ, SANFORD. Psychosocial factors in health and disease-Attitudes of physicians regarding abortion and genetic risk.
- PO1MH-11668-09 0101 (MHP) MEYEROWITZ, SANFORD. Psychosocial factors in health and disease-Diagnostic criteria of conversion.
- RO1MH-11682-09 (PPR) WERNER, GERHARD, UNIV OF PITTSBURGH SCH OF MED, TERRACE & DE SOTO STREETS, PITTSBURGH, PA. Hallucinogenic drug action on somatosensory systems (primates).
- RO1MH-11752-10 (PPR) WEISS, BERNARD, UNIVERSITY OF ROCHESTER, DEPT OF RAD BIOL/BIOPHYSICS, ROCHESTER, N Y. Effect of psychopharmacologic agents on behavior (mammals, birds, human).
- RO1MH-11857-08 (EPR) LEVINE, MARVIN, STATE UNIVERSITY OF NEW YORK, STONY BROOK, N Y. A theory of hypothesis behavior in human learning.
- RO1MH-11894-09 (EPR) HARLOW, HARRY F, UNIVERSITY OF WISCONSIN, 22 NORTH CHARTER STREET, MADISON, WIS. Comprehensive behavioral studies.
- RO1MH-11894-09 0001 (EPR) HARLOW, HARRY F. Comprehensive behavioral studies-Depression (Rhesus monkeys).
- RO1MH-11894-09 0002 (EPR) HARLOW, HARRY F. Comprehensive behavioral studies-Nuclear family (Rhesus monkeys).
- RO1MH-11894-09 0003 (EPR) HARLOW, HARRY F. Comprehensive behavioral studies-Cortical facilitative agents and learning test performance (Rhesus monkeys).
- RO1MH-11894-09 0004 (EPR) HARLOW, HARRY F. Comprehensive behavioral studies-Cortical lesions, early experience, and learning (Rhesus monkeys).
- RO1MH-11894-09 0005 (EPR) HARLOW, HARRY F. Comprehensive behavioral studies-Social deprivation (Rhesus monkeys).
- RO1MH-11894-09 0006 (EPR) HARLOW, HARRY F. Comprehensive behavioral studies-Social attachment (Rhesus monkeys).
- RO1MH-11894-09 0007 (EPR) HARLOW, HARRY F. Comprehensive behavioral studies-Rehabilitation of monkey psychopathologies.
- RO1MH-11976-10 (MHP) EKMAN, PAUL, 1405 FOURTH AVENUE, SAN FRANCISCO, CALIF. Communication through nonverbal behavior.
- RO1MH-12006-07 (EPR) POSTMAN, LEO J, UNIVERSITY OF CALIFORNIA, INST OF HUMAN LEARNING, BERKELEY, CALIF. Transfer and interference in learning and retention (human).
- RO1MH-12007-08 (PPR) HOLMSTEDT, BO R, KAROLINSKA INSTITUTE, SOLNAVAGEN 1 10401, STOCKHOLM 60, SWEDEN. Psychoactive phenolic amine analysis.
- RO1MH-12007-08 0001 (PPR) HOLMSTEDT, BO R. Psychoactive phenolic amine analysis-Cannabis (rabbits, human).
- RO1MH-12007-08 0002 (PPR) HOLMSTEDT, BO R. Psychoactive phenolic amine analysis-Acetylcholine (rats).
- RO1MH-12007-08 0003 (PPR) HOLMSTEDT, BO R. Psychoactive phenolic amine analysis-Plasma levels of hydrocarbon pesticides.
- RO1MH-12007-08 0004 (PPR) HOLMSTEDT, BO R. Psychoactive phenolic amine analysis-Indole-acetic acids in CSF on depressed patients.
- RO1MH-12007-08 0005 (PPR) HOLMSTEDT, BO R. Psychoactive phenolic amine analysis-Problems in analysis of psychoactive drugs.
- RO1MH-12007-08 0005 (PPR) ADLER, F L. Psychoactive phenolic amine analysis-Immunoassay methods for opiates.
- RO1MH-12043-07 (CPR) ANTHONY, E JAMES, WASHINGTON UNIVERSITY, 369 N TAYLOR AVENUE, ST LOUIS, MO. Influence of parental psychosis on child development.
- RO1MH-12279-09 (CFF) SHADER, RICHARD I, MASSACHUSETTS MENTAL HEALTH CT, 74 FENWOOD ROAD, BOSTON, MASS. Drug studies with women, elderly and groups.
- RO1MH-12279-09 0001 (CFF) SHADER, RICHARD I. Drug studies with women, elderly and groups-Premenstrual tension.
- RO1MH-12279-09 0002 (CFF) SHADER, RICHARD I. Drug studies with women, elderly and groups-Diazepam in elderly males.
- RO1MH-12279-09 0003 (CFF) SHADER, RICHARD I. Drug studies with women, elderly and groups-Group studies with chlordiazepoxide.
- RO1MH-12506-09 (NP) AGRANOFF, BERNARD W, UNIVERSITY OF MICHIGAN, MENTAL HEALTH RES INST, ANN ARBOR, MICH. Chemical correlates of memory (goldfish, rats, monkeys).
- RO1MH-12507-09 (CPR) SHAGASS, CHARLES, EASTERN PENN PSYCHIATRIC INST, 3300 HENRY AVENUE, PHILADELPHIA, PA. Electrophysiological studies of psychiatric disorder.
- RO1MH-12526-09 (PPR) MC GAUGH, JAMES L, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOBIOLOGY, IRVINE, CALIF. Drug effects on learning and memory (rats, mice).
- PO1MH-12568-08 (PPR) KORNETSKY, CONAN, BOSTON UNIV SCHOOL OF MEDICINE, 80 EAST CONCORD STREET, BOSTON, MASS. Neuropsychopharmacological studies of attention.
- PO1MH-12568-08 0001 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Animal development-Rats.
- PO1MH-12568-08 0002 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Animal development-Monkeys.
- PO1MH-12568-08 0003 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Animal brain stem (rats, monkeys).
- PO1MH-12568-08 0004 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Experimental petit mal epilepsy (primates).
- PO1MH-12568-08 0005 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Attentive and cognitive behavior development (primates, rats).
- PO1MH-12568-08 0011 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Schizophrenic patients.
- PO1MH-12568-08 0012 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Narcotic analgesia (rats).
- PO1MH-12568-08 0013 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Analysis of evoked response data.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1MH-12568-08 0014 (PPR) KORNETSKY, CONAN. Neuropsychopharmacological studies of attention-Chronic amphetamine effects on social behavior in rats.
- RO1MH-12717-08 (EPR) SHIFFRIN, RICHARD M, INDIANA UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BLOOMINGTON, IND. Information processing and retrieval.
- RO1MH-12756-07 (CPR) KORNFELD, DONALD S, COLUMBIA-PRESBY MEDICAL CTR, 622 WEST 168TH STREET, NEW YORK, N Y. Psychiatric aspects of coronary artery revascularization (human).
- RO1MH-12780-04 (SSR) LEVINE, GIBNE N, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Japanese American research project.
- RO1MH-12875-07 (HLS) RIESE, WALTHER, ROUTE 2, BOX 397, FRANCIS ROAD, GLEN ALLEN, VA. The legacy of Philippe Pinel.
- RO1MH-12888-08 (CPR) PETERS, JOHN E, CHILD STUDY CENTER, 4301 WEST MARKHAM, LITTLE ROCK, ARK. Children with learning disabilities-A follow-up.
- PO1MH-12970-08 (NP) PRIBRAM, KARL H, STANFORD UNIVERSITY, DEPT OF PSYCHOLOGY, STANFORD, CALIF. What makes man human-Trans-or subcortical association.
- PO1MH-12970-08 0001 (NP) SPINELLI, D N. What makes man human-Trans-or subcortical association-Brain function occipital lobe (cats).
- PO1MH-12970-08 0002 (NP) PRIBRAM, KARL H. What makes man human-Trans-or subcortical association-Brain function temporal lobe (monkeys).
- PO1MH-12970-08 0003 (NP) PRIBRAM, KARL H. What makes man human-Trans-or subcortical association-Brain function parietal lobe (monkeys).
- PO1MH-12970-08 0004 (NP) BAGSHAW, MURIEL. What makes man human-Trans-or subcortical association-Psychological functions in expectancy (children, monkeys).
- PO1MH-12970-08 0005 (NP) MACKWORTH, NORMAN. What makes man human-Trans-or subcortical association-Psychological functions in aphasia (human).
- PO1MH-12972-08 (PCR) GOLDBERG, LEWIS R, OREGON RESEARCH INSTITUTE, P O BOX 3196, EUGENE, OREG. Research program in personality assessment.
- PO1MH-12972-08 0001 (PCR) JONES, RICHARD R. Research program in personality assessment-Personality structure derived from trait-descriptive terms (human).
- PO1MH-12972-08 0002 (PCR) WIGGINS, JERRY S. Research program in personality assessment-Language and personality (human).
- PO1MH-12972-08 0003 (PCR) WIGGINS, JERRY S. Research program in personality assessment-Analysis of the meaning of the concept of trait (human).
- PO1MH-12972-08 0004 (PCR) JONES, RICHARD R. Research program in personality assessment-Person clusters in normal and deviant families (human).
- PO1MH-12972-08 0005 (PCR) WIGGINS, JERRY S. Research program in personality assessment-Behavioral assessment instruments (human).
- PO1MH-12972-08 0006 (PCR) GOLDBERG, LEWIS R. Research program in personality assessment-Explorations in trait specificity vs generality (human).
- PO1MH-12972-08 0007 (PCR) WIGGINS, JERRY S. Research program in personality assessment-A biosocial approach to morphological measurement (human).
- PO1MH-12972-08 0008 (PCR) PATTERSON, GERALD R. Research program in personality assessment-A social learning approach to sequential interaction (human).
- PO1MH-12972-08 0009 (PCR) DAWES, ROBYN M. Research program in personality assessment-Individual differences in behavioral transitions (human).
- PO1MH-12972-08 0010 (PCR) BECHTEL, GORDON G. Research program in personality assessment-Small group sociometry (human).
- PO1MH-12972-08 0011 (PCR) BECHTEL, GORDON G. Research program in personality assessment-The scaling of choice data (human).
- PO1MH-12972-08 0012 (PCR) BECHTEL, GORDON G. Research program in personality assessment-Facet designs for item selection and scale analysis (human).
- PO1MH-12972-08 0013 (PCR) GOLDBERG, LEWIS R. Research program in personality assessment-Exploring new types of item format (human).
- PO1MH-12972-08 0014 (PCR) GOLDBERG, LEWIS R. Research program in personality assessment-New procedures for scoring objective tests (human).
- PO1MH-12972-08 0015 (PCR) ROISOV, ROBERT J. Research program in personality assessment-Personality assessment utilizing responses to personality test items (human).
- PO1MH-12972-08 0016 (PCR) HORST, PAUL. Research program in personality assessment-Optimal test length (human).
- PO1MH-12972-08 0017 (PCR) GOLDBERG, LEWIS R. Research program in personality assessment-Branching methods of scale construction (human).
- PO1MH-12972-08 0018 (PCR) HOFFMAN, PAUL J. Research program in personality assessment-Scale construction by moment maximization (human).
- PO1MH-12972-08 0019 (PCR) WIGGINS, JERRY S. Research program in personality assessment-A comparison of assessment strategies (human).
- PO1MH-12972-08 0020 (PCR) GOLDBERG, LEWIS R. Research program in personality assessment-Strategies of personality inventory construction-Comparative validity (human).
- PO1MH-12972-08 0021 (PCR) HORST, PAUL. Research program in personality assessment-Multivariate techniques for evaluation and prediction of human behavior.
- PO1MH-12972-08 0022 (PCR) HOFFMAN, PAUL J. Research program in personality assessment-Classification procedures utilizing non-parametric density estimates (human).
- PO1MH-12972-08 0023 (PCR) WIGGINS, NANCY A. Research program in personality assessment-Individual differences in human judgments.
- PO1MH-12972-08 0024 (PCR) SLOVIC, PAUL. Research program in personality assessment-Models of judgment processes (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
PO1MH-12972-08 0025 (PCR) TVERSKY, A. Research program in personality assessment—Thinking under uncertainty (human).	RO1MH-13174-07 (PPR) MOORE, KENNETH E, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, EAST LANSING, MICH. Catecholamines as central nervous transmitters (rats, cats).
PO1MH-12972-08 0026 (PCR) SLOVIE, PAUL. Research program in personality assessment—Information processing in judgment and decision making—Decade of research.	RO1MH-13186-08 (PPR) FREEDMAN, DANIEL X, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. LSD, psychotogenic procedures and brain neurohumors (rats, mice, cats).
PO1MH-12972-08 0027 (PCR) SLOVIE, PAUL. Research program in personality assessment—Techniques for enhancing the subjective optimality of decisions (human).	RO1MH-13189-08 (NP) MILLER, NEAL E, ROCKEFELLER UNIVERSITY, YORK AVENUE AND EAST 66TH ST, NEW YORK, N. Y. Mechanisms of motivation, learning and development (human, rats).
PO1MH-12972-08 0028 (PCR) DAWES, ROBYN M. Research program in personality assessment—Bootstrapping human judgments.	RO1MH-13269-08 (NP) ROFFWARG, HOWARD P, MONTEFIORE HOSPITAL, 111 EAST 210TH STREET, BRONX, N. Y. Physiology and psychophysiology of sleep and dreaming (human, cats, rats).
PO1MH-13002-06 (MHP) ROBINS, ELI, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Clinical and laboratory studies of affective disorder.	RO1MH-13279-08 (NP) KOMISARUK, BARRY R, INSTITUTE OF ANIMAL BEHAVIOR, 101 WARREN STREET, NEWARK, N. J. Neuroendocrine mechanisms in behavior (rats).
PO1MH-13002-06 0001 (MHP) WOODRUFF, ROBERT A JR. Clinical and laboratory studies of affective disorder—Social effectiveness.	PO1MH-13269-07 (BSR) SROLE, LEO, COLUMBIA UNIVERSITY, 722 WEST 168 STREET, NEW YORK, N. Y. Program for research in psychiatric sociology.
PO1MH-13002-06 0005 (MHP) CLAYTON, PAULA J. Clinical and laboratory studies of affective disorder—Studies of bereavement.	PO1MH-13390-08 (PCR) HALLE, MORRIS, MASS INST OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. The study of language (human).
PO1MH-13002-06 0009 (MHP) WOODRUFF, ROBERT A JR. Clinical and laboratory studies of affective disorder—Electrotherapy in patients with heart disease.	RO1MH-13512-07 (CPP) GOLDSTEIN, MICHAEL J, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. Phenothiazine effects on acute schizophrenic behavior (human).
PO1MH-13002-06 0011 (MHP) ROBINS, ELI. Clinical and laboratory studies of affective disorder—Brain biochemistry.	RO1MH-13558-08 (EPR) OVERMIER, JAMES B, UNIVERSITY OF MINNESOTA, ELLIOTT HALL, MINNEAPOLIS, MINN. Pavlovian conditioning and avoidance behavior (dogs).
PO1MH-13002-06 0018 (MHP) ROBINS, ELI. Clinical and laboratory studies of affective disorder—The psychiatric emergency room.	RO1MH-13581-06 (NP) THOMAS, GARTH J, UNIV OF ROCHESTER, CENTER FOR BRAIN RESEARCH, ROCHESTER, N. Y. Olfaction in behavioral functions of limbic system (rats).
PO1MH-13002-06 0019 (MHP) KING, LUCY JANE. Clinical and laboratory studies of affective disorder—Onset of affective disorders in a normal population.	RO1MH-13595-08 (PPR) BARRY, HERBERT, 3D, UNIVERSITY OF PITTSBURGH, SCHOOL OF PHARMACY, PITTSBURGH, PA. Behavior and drug effects during chronic stress (rats, mice).
PO1MH-13002-06 0021 (MHP) MCCLURE, JAMES N. Clinical and laboratory studies of affective disorder—Follow-up of university psychiatric patients.	RO1MH-13688-07 (PPR) SCHANBERG, SAUL M, DUKE UNIVERSITY, POST OFFICE BOX 3709, DURHAM, N. C. Neurotropic drug effect on biogenic amine metabolism (rats, guinea pigs, mice).
PO1MH-13002-06 0022 (MHP) MCCLURE, JAMES N. Clinical and laboratory studies of affective disorder—Psychiatric disorders in hemodialysis.	RO1MH-13738-07 (CPP) PRUSOFF, BRIGITTE, YALE U SCHOOL OF MEDICINE, 100 PARK STREET, NEW HAVEN, CONN. Drug therapy of depressed outpatients.
PO1MH-13002-06 0023 (MHP) SMITH, ELIZABETH. Clinical and laboratory studies of affective disorder—Unwanted pregnancy, abortion and affective disorders.	RO1MH-13864-07 (EPR) BERNSTEIN, IRWIN S, YERKES FIELD STATION, 2409 COLLINS HILL RD, LAWRENCEVILLE, GA. Principles of primate social organization.
PO1MH-13002-06 0024 (MHP) MCCLURE, JAMES N. Clinical and laboratory studies of affective disorder—Depressive symptoms during pregnancy and puerperium.	RO1MH-13915-05 (CPR) WINDHOLZ, EMANUEL, SAN FRANCISCO PSYCHOANALY INST, 2420 SUTTER STREET, SAN FRANCISCO, CALIF. Modification of defenses in psychoanalysis (human).
PO1MH-13002-06 0025 (MHP) WOODRUFF, ROBERT. Clinical and laboratory studies of affective disorder—Affective disorders and functional GI symptoms.	RO1MH-13923-07 (NP) HOBSON, J ALLAN, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Physiology of sleep (cats).
PO1MH-13002-06 0026 (MHP) HALIKAS, JAMES A. Clinical and laboratory studies of affective disorder—Affective disorders in marijuana users.	RO1MH-13950-07 (PCR) BOWER, GORDON M, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, STANFORD, CALIF. Effect of memory aids on learning and retention.
PO1MH-13002-06 0027 (MHP) CLAYTON, PAULA J. Clinical and laboratory studies of affective disorder—Depression in women physicians and PhD controls.	RO1MH-13958-07 (NP) CLEMENTE, CARMINE D, UNIVERSITY OF CALIFORNIA, DEPT OF ANATOMY, 405 HILGARD, LOS ANGELES, CALIF. Brain mechanisms related to feeding behavior (cats).
PO1MH-13002-06 0028 (MHP) MCCLURE, JAMES N. Clinical and laboratory studies of affective disorder—Completed suicide and the menstrual cycle.	RO1MH-14052-05 (JP) ANTHONY, E JAMES, WASHINGTON UNIVERSITY MED SCH, 369 NORTH TAYLOR AVENUE, ST LOUIS, MO. System of corrective interventions in a research population (human).
PO1MH-13002-06 0030 (MHP) ROBINS, LEE N. Clinical and laboratory studies of affective disorder—Affective disorders and suicide in black, white, chinese men.	RO1MH-14076-07 (EPR) THIESSEN, DELBERT D, UNIVERSITY OF TEXAS, DEPARTMENT OF PSYCHOLOGY, AUSTIN, TEX. Territoriality and social interaction (rodents, rabbits, marmoset).
PO1MH-13002-06 0031 (MHP) MURPHY, GEORGE E. Clinical and laboratory studies of affective disorder—Attempted suicide—Treatment and outcome.	RO1MH-14092-07 (PPR) ROTH, ROBERT H, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Gamma hydroxybutyrate (rats, guinea pigs, cats, cattle).
PO1MH-13002-06 0032 (MHP) REICH, THEODORE. Clinical and laboratory studies of affective disorder—Family study of early onset of affective disorder.	RO1MH-14110-07 (PPR) SABELLI, HECTOR C, CHICAGO MEDICAL SCHOOL, 2020 WEST OGDEN AVENUE, CHICAGO, ILL. Neural modulation and transmission.
PO1MH-13002-06 0034 (MHP) TAIBELSON, MITCHELL. Clinical and laboratory studies of affective disorder—Taxonomy of psychiatric diagnosis.	RO1MH-14110-07 0007 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Biological effects of neuroamine metabolites.
PO1MH-13002-06 0035 (MHP) HUGGINS, RICHARD W. Clinical and laboratory studies of affective disorder—Follow-up of adolescents with affective disorders.	RO1MH-14110-07 0008 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Phenylethylamine and phenylethanolamine.
PO1MH-13002-06 0036 (MHP) KING, LUCY, JANE. Clinical and laboratory studies of affective disorder—Antidepressant drugs (human).	RO1MH-14110-07 0009 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Effects of catecholamines—Related drugs (rabbits).
PO1MH-13002-06 0037 (MHP) KING, LUCY JANE. Clinical and laboratory studies of affective disorder—Energy metabolism and induced convulsions (mice, monkeys).	RO1MH-14110-07 0010 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Quantum pharmacology.
PO1MH-13002-06 0038 (MHP) HARTMAN, BOYD. Clinical and laboratory studies of affective disorder—Brain specific monoamine oxidase—Suicide vs normal.	RO1MH-14110-07 0011 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Muscarinic and nicotinic cholinergic receptors (rabbits).
PO1MH-13002-06 0040 (MHP) PEREZ, VERNON. Clinical and laboratory studies of affective disorder—The neurochemistry of aging (rats).	RO1MH-14110-07 0012 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Prostaglandin PGE1 (rabbits).
PO1MH-13002-06 0041 (MHP) OLNEY, JOAN W. Clinical and laboratory studies of affective disorder—Modifications of developing CNS with amino acids and psychotropic drugs (monkeys).	RO1MH-14110-07 0013 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Taurine (rabbits, chickens, mice, earthworms).
PO1MH-13002-06 0042 (MHP) CICERO, THEODORE. Clinical and laboratory studies of affective disorder—Addiction and relationship to affective states (rats).	RO1MH-14110-07 0014 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Pharmacology of cortical potentials (rabbits).
PO1MH-13002-06 0043 (MHP) MOORE, BLAKE W. Clinical and laboratory studies of affective disorder—Proteins of CNS and affective disorders (human).	RO1MH-14110-07 0015 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Convulsions and antiepileptic drugs (earthworms).
PO1MH-13002-06 0045 (MHP) FISHMAN P. Clinical and laboratory studies of affective disorder—Identification of sleep waves by bisector analysis (human).	RO1MH-14110-07 0016 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Mathematical modeling of drug interactions.
PO1MH-13002-06 0046 (MHP) SHERMAN, WILLIAM R. Clinical and laboratory studies of affective disorder—Mass spectrometry—New brain compounds (human).	RO1MH-14110-07 0017 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Neuroamines and neurotropic drugs (earthworms, frogs).
PO1MH-13002-06 0047 (MHP) SHERMAN, WILLIAM R. Clinical and laboratory studies of affective disorder—Mass spectrometry—Low molecular weight substances in brain (human).	RO1MH-14110-07 0018 (PPR) FISCHER, EDMUNDO. Neural modulation and transmission—Related clinical observations.
PO1MH-13002-06 0048 (MHP) SHERMAN, WILLIAM R. Clinical and laboratory studies of affective disorder—Mass spectrometry—Tricyclic antidepressants (human).	RO1MH-14110-07 0019 (PPR) VAZQUEZ, A J. Neural modulation and transmission—Isolated cortical slabs.
RO1MH-13006-09 (EPR) EBENHOLTZ, SHELDON M, UNIVERSITY OF WISCONSIN, CHARTER AT JOHNSON STREET, MADISON, WIS. Determinants of perceived orientation (human).	RO1MH-14110-07 0020 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Non-hydroxylated amines.
RO1MH-13026-07 (PPR) SCHLESINGER, KURT, UNIVERSITY OF COLORADO, INST FOR BEHAVIORAL GENETICS, BOULDER, COLO. Pharmacogenetics of audiogenic seizures (mice).	RO1MH-14110-07 0021 (PPR) SABELLI, HECTOR C. Neural modulation and transmission—Aromatic neuroamino acids.
RO1MH-13049-09 (EPR) SCHOENFELD, WILLIAM N, CITY UNIVERSITY OF NEW YORK, DEPARTMENT OF PSYCHOLOGY, FLUSHING, N. Y. Experimental studies of long-term stress (human, monkeys, rats).	RO1MH-14229-08 (EPR) GARNER, WENDELL R, YALE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, NEW HAVEN, CONN. Perception of structure (human).
	RO1MH-14314-06 (PCR) BOURNE, LYLE E, JR, INST FOR THE STUDY OF INTELL, UNIVERSITY OF COLORADO, BOULDER, COLO. Behavioral processes in conceptual rule learning.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1MH-14360-07 (CPR) MANDELL, ARNOLD J, UNIVERSITY OF CALIF, P O BOX 109, LA JOLLA, CALIF. Psychoendocrine correlates in schizophrenia (rats).
- RO1MH-14383-05 (CPR) FREEDMAN, NORBERT, SUNY-DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Altered clinical states.
- RO1MH-14395-05 (CPR) CLEMENT, PAUL W, CHILD DEVELOPMENT CENTER, 190 NORTH OAKLAND AVENUE, PASADENA, CALIF. Self-regulation training for under-controlled children.
- RO1MH-14432-07 (CPP) EISENBERG, LYON, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Early screening and long-term drug therapy of children.
- RO1MH-14520-06 (PPR) HARTMANN, ERNEST L, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. Pharmacology of sleep—Long-term studies (human, rats).
- RO1MH-14594-05 (NP) SCHWARTZBAUM, JEROME S, UNIV OF ROCHESTER, DEPT OF PSYCHOLOGY, ROCHESTER, N. Y. Neurobehavioral functions of the limbic systems (rats, monkeys).
- RO1MH-14651-07 (EPR) MARLER, PETER R, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N. Y. Comparative study of vocal learning (canaries, blackbirds, housefinch, sparrows).
- RO1MH-14658-07 (PPR) HEISE, GEORGE A, INDIANA UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BLOOMINGTON, IND. Behavioral pharmacology (rats, mice, rabbits, monkeys).
- RO1MH-14673-07 (CPP) OVERALL, JOHN E, UNIVERSITY OF TEXAS, DEPT OF NEUROLOGY & PSYCHIATRY, GALVESTON, TEX. Psychopharmacology computer research.
- RO1MH-14734-13 (CD) PALMER, THEODORE B, 3610 FIFTH AVENUE, SACRAMENTO, CALIF. An evaluation of differential treatment for delinquents.
- RO1MH-14806-08 (CD) POLK, KENNETH, UNIVERSITY OF OREGON, 1859 EAST 15TH AVENUE, EUGENE, OREG. Maturation of reform and rural delinquency (human).
- RO1MH-14864-08 (MHS) ELWOOD, DAVID L, QUINCO CONSULTING CENTER, 2075 LINCOLN PARK DRIVE, COLUMBUS, IND. Automation of the delivery of mental health services.
- RO1MH-14934-08 (MHS) LASKA, EUGENE M, ROCKLAND STATE HOSPITAL, RESEARCH CENTER, ORANBURG, N. Y. A multi-state information system for psychiatric patients.
- RO1MH-15008-06 (MHS) WEINMAN, BERNARD S, PHILADELPHIA STATE HOSPITAL, 14000 ROOSEVELT BLVD, PHILADELPHIA, PA. Treatment deployment for chronic psychotics.
- RO1MH-15353-07 (EPR) PROKAST, WILLIAM F, UNIVERSITY OF UTAH, 306 PARK BUILDING, SALT LAKE CITY, UTAH. Contingencies and controls in EDR conditioning (human).
- RO1MH-15385-07 (NP) GLUCKSTEIN, MITCHELL, BROWN UNIVERSITY, WALTER S HUNTER LAB OF PSYCH, PROVIDENCE, R. I. Brain mechanisms in visual and motor functions (cats, monkeys).
- RO1MH-15406-07 (PPR) WINTER, JERROLD C, S U N Y - AT BUFFALO, 122 CAPEN HALL, BUFFALO, N. Y. Behavioral pharmacology of tryptamines (rats, monkeys).
- RO1MH-15413-06 (PPR) SCHILDKRAUT, JOSEPH J, MASS MENTAL HEALTH CTR, 74 FENWOOD ROAD, BOSTON, MASS 02115. Psychopharmacology of biogenic amines in depression.
- RO1MH-15413-06 0001 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Tricyclic antidepressants (rats).
- RO1MH-15413-06 0002 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Antipsychotics (rats).
- RO1MH-15413-06 0003 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Lithium salts (rats).
- RO1MH-15413-06 0004 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Electroconvulsive shock (rats).
- RO1MH-15413-06 0005 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Tryptophan (rats).
- RO1MH-15413-06 0006 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Normethamphetamine (rats).
- RO1MH-15413-06 0007 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Tritium labeled-1-norepinephrine (rats).
- RO1MH-15413-06 0008 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Clinical studies—Tricyclic antidepressants (human).
- RO1MH-15413-06 0009 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Clinical studies—Lithium salts and biogenic amine metabolism (human).
- RO1MH-15413-06 0010 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Clinical studies—Electroconvulsive shock (human).
- RO1MH-15413-06 0011 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Clinical studies—Changes in biogenic amine metabolism (human).
- RO1MH-15413-06 0012 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Clinical studies—Sleep and dreams (human).
- RO1MH-15413-06 0013 (PPR) SCHILDKRAUT, JOSEPH J. Psychopharmacology of biogenic amines in depression—Clinical studies—Drugs and biogenic amine metabolism (human).
- RO1MH-15442-06 (CPR) LUBORSKY, LESTER, HOSP OF THE UNIV OF PA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Factors influencing outcomes of psychotherapy (human).
- RO1MH-15455-06 (NP) SMITH, GERARD P, N Y HOSPITAL-CORNELL MED CTR, 21 BLOOMINGDALE ROAD, WHITE PLAINS, N. Y. Viscero-endocrine responses to amygdala activity (monkeys).
- RO1MH-15472-06 (JP) KOUNIN, JACOB S, WAYNE STATE UNIVERSITY, DETROIT, MICH. Determinants of children's behavior in preschools.
- RO1MH-15473-06 (NP) WAYNER, MATTHEW J, BRAIN RESEARCH LABORATORY, 601 UNIVERSITY AVENUE, SYRACUSE, N. Y. Hypothalamic regulation of eating and drinking behavior (cats, rabbits, rats).
- RO1MH-15494-06 (EPR) HERRNSTEIN, RICHARD J, WILLIAM JAMES HALL 730, 33 KIRKLAND STREET, CAMBRIDGE, MASS. The matching law (rats, pigeons, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1MH-15521-06 (SP) HILL, REUBEN L, UNIVERSITY OF MINNESOTA, 1014 SOCIAL SCIENCE BLDG, MINNEAPOLIS, MINN. Problem solving behavior of family groups (human).
- RO1MH-15553-06 (MHS) PAUL, GORDON L, UNIVERSITY OF ILLINOIS, 51 E GERTY DRIVE, CHAMPAIGN, ILL. Comparative rehabilitation of chronic mental patients (human).
- RO1MH-15606-07 (JP) DOUVAN, ELIZABETH, INSTITUTE FOR SOCIAL RESEARCH, 200 EAST HURON, ANN ARBOR, MICH. Adaptive behavior in varied high school environments.
- RO1MH-15616-06 (EPR) PREMACK, DAVID, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOLOGY, SANTA BARBARA, CALIF. Language and cognition in infrahuman primates (chimpanzee, children).
- RO1MH-15631-07 (CPP) PRANGE, ARTHUR J, JR, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PSYCHIATRY, CHAPEL HILL, N. C. Acceleration of antidepressants by thyroid hormone (human, rats).
- RO1MH-15651-07 (EPR) GOGEL, WALTER C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, SANTA BARBARA, CALIF. Applications of the adjacency principle (human).
- RO1MH-15655-07 (EPR) EKSTRAND, BRUCE R, UNIVERSITY OF COLORADO, DEPT OF PSYCHOLOGY, BOULDER, COLO. Effects of sleep on memory (human).
- RO1MH-15707-07 (EPR) BURGHARDT, GORDON M, UNIVERSITY OF TENNESSEE, DEPT OF PSYCHOLOGY, KNOXVILLE, TENN. Perception and behavior (reptiles).
- RO1MH-15708-05 (MHS) GAITZ, CHARLES M, TEX RES INST OF MENT SCIS, 1300 MOURSUND AVENUE, HOUSTON, TEX. Leisure and mental health—Cultural and age factors.
- RO1MH-15755-05 (PPR) SEDVALL, GORAN C, KAROLINSKA INSTITUTET, S/104 01 DEPT OF PHARMAC, STOCKHOLM 60, SWEDEN. Chlorpromazine and brain catecholamine synthesis (rats, mice).
- RO1MH-15767-06 (NP) STELLAR, ELIOT, UNIVERSITY OF PENNSYLVANIA, INST OF NEUROLOGICAL SCI, PHILADELPHIA, PA. Neurological mechanisms underlying behavior (human, animals).
- RO1MH-15828-06 (PCR) MANDLER, GEORGE, UNIV OF CALIFORNIA, SAN DIEGO, CTR FOR HUMAN INFOR PROCESSING, LA JOLLA, CALIF. Research in human information processing.
- RO1MH-15828-06 0001 (PCR) ANDERSON, NORMAN M. Research in human information processing—Judgement in children.
- RO1MH-15828-06 0002 (PCR) COOPER, LYNN A. Research in human information processing—Mental processes for solving visual problems.
- RO1MH-15828-06 0003 (PCR) DANDRADE, ROY G. Research in human information processing—Influences on long term memory.
- RO1MH-15828-06 0004 (PCR) EBBESEN, EBBIE B. Research in human information processing—Organization of attitudes.
- RO1MH-15828-06 0005 (PCR) MANDLER, GEORGE. Research in human information processing—Cognitive psychology and analytic philosophy.
- RO1MH-15828-06 0006 (PCR) MANDLER, JEAN M. Research in human information processing—Visual imagery and motor functioning.
- RO1MH-15828-06 0007 (PCR) NORMAN, DONALD A. Research in human information processing—Learning and education.
- RO1MH-15828-06 0008 (PCR) RUMELHART, DAVID E. Research in human information processing—The 'same' response as a template match.
- RO1MH-15828-06 0009 (PCR) RUSSO, J EDWARD. Research in human information processing—Role of stimulus processing on recognition memory.
- RO1MH-15829-06 (CPP) HOGARTY, GERARD E, FRIENDS MED SCIENCE RES CTR M, 102 BLOOMSBURY AVENUE, BALTIMORE, MD. MIMH-PRB collaborative outpatient schizophrenia study.
- RO1MH-15867-05 (MHS) POLAK, PAUL R, FORT LOGAN MH CTR-CRISIS INTER, 3520 WEST OXFORD AVENUE, DENVER, COLO. Crisis intervention—Model for prevention (human).
- RO1MH-15872-07 (EPR) KINTSCH, WALTER, UNIVERSITY OF COLORADO, DEPARTMENT OF PSYCHOLOGY, BOULDER, COLO. Memory and decision factors in verbal learning (human).
- RO1MH-15900-05 (MHS) SCHWAB, JOHN J, DEPT OF PSYCHIATRY, U OF FLORIDA, COLL OF MED, GAINESVILLE, FLA. Evaluating Southern mental health needs and services (Florida).
- RO1MH-15902-05 (NP) GONZALEZ, RICHARD C, DEPARTMENT OF PSYCHOLOGY, BRYN MAWR COLLEGE, BRYN MAWR, PA. Comparative studies of reinforcement parameters (fish, rats, pigeons, turtles).
- RO1MH-15946-05 (NP) THOMAS, EARL, BRYN MAWR COLLEGE, DEPT OF PSYCHOLOGY, BRYN MAWR, PA. Conditioning with electrical stimulation of the brain (cats, dogs).
- RO1MH-15965-04 (EPR) ROSENBLUM, LEONARD A, SUNY DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Infant attachment and maternal loss (monkeys).
- RO1MH-15976-05 (CPR) AMKRAUT, ALFRED A, STANFORD UNIVERSITY SCH OF MED, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Stress and mechanisms of immunity.
- RO1MH-15976-05 0001 (CPR) SOLOMON, GEORGE F. Stress and mechanisms of immunity—Cellular and humoral aspects of antibody formation and graft vs host response (rats, mice).
- RO1MH-15976-05 0002 (CPR) SOLOMON, GEORGE F. Stress and mechanisms of immunity—Effect of neurohumoral and psychopharmacologic agents (rats, mice).
- RO1MH-15976-05 0003 (CPR) SOLOMON, GEORGE F. Stress and mechanisms of immunity—Effect of hypothalamic stimulation and ablation (rats).
- RO1MH-15985-06 (CD) PATTERSON, GERALD R, OREGON RESEARCH INSTITUTE, P O BOX 3196, EUGENE, OREG. Intervention in low base rate asocial behaviors of boys.
- RO1MH-16026-06 (EPR) MOOS, RUDOLF H, STANFORD MEDICAL CENTER, 300 PASTEUR DRIVE, STANFORD, CALIF. Assessment of psychological environments (human).
- RO1MH-16037-06 (JP) GORDON, IRA J, UNIVERSITY OF FLORIDA, COLLEGE OF EDUCATION, GAINESVILLE, FLA. Home learning center approach to early stimulation (children).
- RO1MH-16074-05 (JP) HUNT, J MC VICKER, UNIVERSITY OF ILLINOIS, DEPT OF PSYCHOLOGY, CHAMPAIGN, ILL. Infant development with special enrichments (Greece, Israel, Iran).
- RO1MH-16030-06 (CPR) BLOCK, JACK, UNIVERSITY OF CALIFORNIA, 3210 TOLMAN HALL, BERKELEY, CALIF. Ego development and the provenance of thought.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1MH-16100-06 (EPR) ESTES, WILLIAM K, ROCKEFELLER UNIVERSITY, 1230 YORK AVENUE, NEW YORK, N Y. Feedback process in punishment and reward (human, monkeys).	PO1MH-16674-06 0006 (MHP) HARRIS, JANE E. A program of psychiatry-oriented biological research—Effects of amphetamine on tyrosine hydroxylation in rat striatal homogenates.
RO1MH-16125-06 (SP) ROTHMAN, JACK, UNIVERSITY OF MICHIGAN, 2540 FRIEZE BUILDING, ANN ARBOR, MICH. Family mental health—Diffusing community strategies.	PO1MH-16674-06 0007 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Characteristics of release of dopamine from minces of rat corpus striatum.
RO1MH-16127-06 (CPR) MELTZER, HERBERT Y, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Muscle enzyme release in the acute psychoses.	PO1MH-16674-06 0008 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Effects of ions and drugs on dopamine release from minces of rat corpus striatum.
RO1MH-16127-06 0001 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Clinical-chemical correlations (human).	PO1MH-16674-06 0009 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Release of neurotransmitters from synaptosomes (rats).
RO1MH-16127-06 0002 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Additional evidence for muscle abnormalities (human).	PO1MH-16674-06 0010 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Effects of drugs on osmotic sensitivity of synaptosomes (rats).
RO1MH-16127-06 0003 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Additional non-specific factors.	PO1MH-16674-06 0011 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Metabolism of serotonin in rats with impaired hepatic function.
RO1MH-16127-06 0004 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Hypotheses of etiology of muscle abnormalities in acute patients (also rats).	PO1MH-16674-06 0012 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—False neurotransmitters in altered functioning of nervous system (rats).
RO1MH-16127-06 0005 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Biochemical basis for variation in SCPK activity (human).	PO1MH-16674-06 0013 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Uptake and release of choline by nerve endings (rats).
RO1MH-16127-06 0006 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Ancillary studies (human).	PO1MH-16674-06 0014 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Dihydroxylated tryptamines in rat brain.
RO1MH-16127-06 0007 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Phencyclidine followed by restraint (rats).	PO1MH-16674-06 0015 (MHP) EBERT, MICHAEL. A program of psychiatry-oriented biological research—Effects of electroconvulsive seizures on biogenic amines in rat brain.
RO1MH-16127-06 0008 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Failure of phencyclidine to enhance PCPK levels following stress (rats).	PO1MH-16674-06 0016 (MHP) MACON, JAMES B. A program of psychiatry-oriented biological research—Serotonergic receptors of single molluscan neuron (land snail).
RO1MH-16127-06 0009 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Effect of psychomimetic drugs, and epinephrine in PCPK levels (rats).	PO1MH-16674-06 0017 (MHP) LIPINSKI, JOSEPH. A program of psychiatry-oriented biological research—Histamine metabolism in mental illness.
RO1MH-16127-06 0010 (CPR) MELTZER, HERBERT Y. Muscle enzyme release in the acute psychoses—Release of CPK from skeletal muscle by cold restraint (rats).	PO1MH-16674-06 0018 (MHP) LIPINSKI, JOSEPH. A program of psychiatry-oriented biological research—Measurement of histamine in blood using enzymatic-isotopic microassay.
RO1MH-16128-06 (CPR) COLE, JONATHAN O, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. Early clinical drug evaluation unit.	PO1MH-16674-06 0019 (MHP) LIPINSKI, JOSEPH. A program of psychiatry-oriented biological research—Amantadine HCL in treatment of hyperkinetic syndrome (children).
RO1MH-16129-05 (MHS) HORNSTRA, ROBLIN K, GREATER KANSAS CITY MH FOUND, 600 EAST 22ND STREET, KANSAS CITY, MO. Impact of outcome information on treatment.	PO1MH-16674-06 0020 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Altered behavioral sensitivity to dopamine agonists (rats).
RO1MH-16139-02 (SP) KLEBAN, MORTON H, PHILADELPHIA GERIATRIC CENTER, 5301 OLD YORK ROAD, PHILADELPHIA, PA. Architecture and behavior—The mentally impaired aged (human).	PO1MH-16674-06 0021 (MHP) LIPINSKI, JOSEPH. A program of psychiatry-oriented biological research—Dimethyltryptamine in blood of schizophrenic (human).
RO1MH-16270-07 (EPR) LA BERGE, DAVID, UNIVERSITY OF MINNESOTA, ELLIOTT HALL, MINNEAPOLIS, MINN. Sensory information processing (human).	PO1MH-16674-06 0022 (MHP) LIPINSKI, JOSEPH. A program of psychiatry-oriented biological research—Dimethyltryptamine in blood of patients with hepatic failure.
RO1MH-16327-06 (EPR) FESTINGER, LEON, GRADUATE FACULTY, 66 WEST 12TH STREET, NEW YORK, N Y. Determinants of visual perception (human).	PO1MH-16674-06 0023 (MHP) LIPINSKI, JOSEPH. A program of psychiatry-oriented biological research—Regional distribution of histamine in human brain.
RO1MH-16345-06 (EPR) BROWN, JERRAM L, UNIVERSITY OF ROCHESTER, BIOLOGY DEPARTMENT, ROCHESTER, N Y. Ecology and evolution of altruism (jays).	PO1MH-16674-06 0024 (MHP) MATTHYSSE, STEVEN. A program of psychiatry-oriented biological research—Clomiphen stimulation test of dopamine system in schizophrenics.
RO1MH-16368-05 (EPR) NELSON, DOUGLAS L, UNIVERSITY OF SOUTH FLORIDA, DEPARTMENT OF PSYCHOLOGY, TAMPA, FLA. Words as sets of features—Coding phonological cues.	PO1MH-16674-06 0025 (MHP) LOWENSTEIN, EDWARD. A program of psychiatry-oriented biological research—Effect of morphine SO4 on histamine in blood and plasma (human).
RO1MH-16384-05 (NP) ISAACSON, ROBERT L, UNIV OF FLORIDA, DEPT OF PSYCHOLOGY, GAINESVILLE, FLA. Brain functions and behavior (rats, rabbits, mice).	PO1MH-16674-06 0026 (MHP) MATTHYSSE, STEVEN. A program of psychiatry-oriented biological research—Effects of phenothiazines on cerebrospinal fluid homovanillic acid (monkeys).
RO1MH-16400-06 (EPR) GRICE, G ROBERT, UNIVERSITY OF NEW MEXICO, DEPT OF PSYCHOLOGY, ALBUQUERQUE, N MEX. Conditioning and response organization (human).	PO1MH-16674-06 0027 (MHP) MATTHYSSE, STEVEN. A program of psychiatry-oriented biological research—Effect of phenothiazines on mesolimbic dopamine system (rats).
RO1MH-16420-05 (MHS) TESSENBER, RALPH A, JR, NORTHERN KENTUCKY STATE COLL, 1401 DIXIE HIGHWAY, COVINGTON, KY. Community mental health workers demonstration project.	PO1MH-16674-06 0028 (MHP) NINEBERG, A. A program of psychiatry-oriented biological research—Effects of phenothiazines on homovanillic acid in brain (rabbits).
RO1MH-16437-06 (PCR) HAMMOND, KENNETH B, UNIVERSITY OF COLORADO, INST OF BEHAVIORAL SCIENCE, BOULDER, COLO. Using computer graphics to study human judgement.	PO1MH-16674-06 0029 (MHP) HABER S. A program of psychiatry-oriented biological research—Alterations in primate social behavior following infusion of dopamine.
RO1MH-16474-05 (PCR) CLIFF, NORMAN, UNIV OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, LOS ANGELES, CALIF. Computer interaction in psychological scaling.	PO1MH-16674-06 0030 (MHP) MATTHYSSE, S. A program of psychiatry-oriented biological research—Integrity of substantia nigra GABA neurons in Huntington's chorea (human).
RO1MH-16478-06 (NP) BEST, PHILLIP J, UNIVERSITY OF VIRGINIA, DEPARTMENT OF PSYCHOLOGY, CHARLOTTESVILLE, VA. Brain mechanisms and behavioral arousal (rats).	PO1MH-16674-06 0031 (MHP) ERLENMEYER-KIMLING, L. A program of psychiatry-oriented biological research—Amino acid analysis in children of two schizophrenic parents.
RO1MH-16496-06 (PCR) AARONSON, DORIS R, NEW YORK UNIVERSITY, 4 WASHINGTON PLACE, RM 858, NEW YORK, N Y. Perception and short-term memory for verbal materials (human).	PO1MH-16674-06 0032 (MHP) MAGNUSKI, M. A program of psychiatry-oriented biological research—Computer display techniques in neuroanatomy (monkeys).
RO1MH-16522-06 (PPR) BREESE, GEORGE R, UNIVERSITY OF NORTH CAROLINA, DEPT OF PSYCHIATRY, CHAPEL HILL, N C. Biochemical pharmacology of brain amine mechanisms (cats, rats, monkeys).	PO1MH-16674-06 0033 (MHP) GILBERT, JEFFREY M. A program of psychiatry-oriented biological research—Translational control of protein synthesis in the CNS (rats).
RO1MH-16544-04 (CPR) SAMBOFF, ARNOLD J, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF ROCHESTER, ROCHESTER, N Y. Neonatal factors in serious mental disorder (human).	PO1MH-16674-06 0034 (MHP) POPPER, CHARLES. A program of psychiatry-oriented biological research—Inhibition of adrenergic neurotransmission on memory consolidation in mice.
RO1MH-16581-05 (NP) CAGGIULA, ANTHONY R, UNIV OF PITTSBURGH, DEPT OF PSYCHOLOGY, PITTSBURGH, PA. Neurophysiological correlates of sexual behavior (rats).	PO1MH-16674-06 0035 (MHP) POPPER, CHARLES. A program of psychiatry-oriented biological research—Inhibition of non-adrenergic neurotransmission on memory consolidation in mice.
RO1MH-16598-06 (NP) OPPENHEIM, RONALD W, N C FDN-MENTAL HLTH RES, INC, BOX 7532, RALEIGH, N C. Neuroembryology of behavior (birds, opossum).	PO1MH-16674-06 0036 (MHP) POPPER, CHARLES. A program of psychiatry-oriented biological research—Effect of sythidryl protecting agents on memory consolidation in mice.
RO1MH-16621-05 (MP) HERSHBERG, THEODORE, DEPARTMENT OF HISTORY, UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA. Social mobility in Philadelphia.	PO1MH-16674-06 0037 (MHP) BALDESSARINI, ROSS J. A program of psychiatry-oriented biological research—Dopamine stimulated adenylyl cyclase and cyclic AMP in caudate nucleus (rats).
RO1MH-16631-05 (CPR) FRIEDMAN, ALFRED S, PHILADELPHIA PSYCHIATRIC CTR, FORD ROAD & MONUMENT AVENUE, PHILADELPHIA, PA. Drug and family therapy in depressed outpatients.	PO1MH-16674-06 0038 (MHP) HABER, S. A program of psychiatry-oriented biological research—Effect of amphetamine on primate social perception.
PO1MH-16674-06 (MHP) KETY, SEYMOUR S, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. A program of psychiatry-oriented biological research.	PO1MH-16674-06 0039 (MHP) MATTHYSSE, STEVEN. A program of psychiatry-oriented biological research—Monozygotic concordance and heritability in schizophrenia.
PO1MH-16674-06 0004 (MHP) HARRIS, JANE E. A program of psychiatry-oriented biological research—Uptake of H3 dopamine by striatal tissues—Effect of cations (rats).	
PO1MH-16674-06 0005 (MHP) HARRIS, JANE E. A program of psychiatry-oriented biological research—Effects of amphetamine analogs on uptake of dopamine by striatal tissue (rats).	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1MH-16674-06 0040 (MHP) LIPINSKI, JOSEPH. A program of psychiatry-oriented biological research—Effect of methyl loading of dimethyltryptamine in rabbit.
- PO1MH-16674-06 0041 (MHP) DVORAK, HAROLD. A program of psychiatry-oriented biological research—Histamine content of basophils in guinea pig (and human).
- PO1MH-16674-06 0042 (MHP) MATTHYSSE, STEVEN. A program of psychiatry-oriented biological research—Histamine concentration in CSF of monkeys on phenothiazines.
- RO1MH-16726-05 (PCR) MARTIN, JAMES G, UNIVERSITY OF MARYLAND, DEPT OF PSYCHOLOGY, COLLEGE PARK, MD. Production and perception of connected speech.
- RO1MH-16727-09 (EPR) BEER, COLIN G, RUTGERS UNIVERSITY, 101 WARREN STREET, NEWARK, N. J. Ethological studies of behavior (laughing gulls, clapperails).
- RO1MH-16728-05 (PCR) BALDWIN, ALFRED L, CORNELL UNIVERSITY, 130 RAND HALL, ITHACA, N. Y. Cognitive development and cognitive socialization.
- RO1MH-16733-06 (NP) ALTMAN, JOSEPH, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, WEST LAFAYETTE, IND. Developmental neuropsychology (rats).
- RO1MH-16789-04 (MHS) KIRESKU, THOMAS J, MINNEAPOLIS MED RESEARCH FDM, 619 SOUTH 5TH STREET, MINNEAPOLIS, MINN. Evaluation of a community mental health program.
- RO1MH-16796-05 (JP) FRESHBACH, SEYMOUR, UNIVERSITY OF CALIFORNIA, FERNALD SCHOOL, LOS ANGELES, CALIF. Prediction and prevention of reading failure (human).
- RO1MH-16817-05 (EPR) RESTLE, FRANK, INDIANA UNIVERSITY, DEPT OF PSYCHOLOGY, BLOOMINGTON, IND. Cognitive hierarchies.
- RO1MH-16841-06 (PPR) HARVEY, JOHN A, UNIVERSITY OF IOWA, DEPT OF PSYCHOLOGY, IOWA CITY, IOWA. Effect of central nervous system lesions on drug action.
- RO1MH-16841-06 0006 (PPR) HARVEY, J. A. Effect of central nervous system lesions on drug action—Pain sensitivity and brain serotonin.
- RO1MH-16841-06 0007 (PPR) SCHLOSSBERG, A. Effect of central nervous system lesions on drug action—Serotonin content circadian rhythms and pain sensitivity.
- RO1MH-16841-06 0008 (PPR) YUNGER, L. M. Effect of central nervous system lesions on drug action—Uptake of serotonin by telencephalon and cerebellum.
- RO1MH-16841-06 0009 (PPR) HARVEY, J. A. Effect of central nervous system lesions on drug action—Tryptophan-5-hydroxylase activity of brain.
- RO1MH-16841-06 0010 (PPR) SCHOLFIELD, C. N. Effect of central nervous system lesions on drug action—Characteristics of evoked potentials from isolated olfactory cortex (guinea pigs).
- RO1MH-16841-06 0011 (PPR) SCHOLFIELD, C. N. Effect of central nervous system lesions on drug action—Local anaesthetic actions on isolated olfactory cortex (guinea pigs).
- RO1MH-16841-06 0012 (PPR) SCHOLFIELD, C. N. Effect of central nervous system lesions on drug action—Specific decreases in glutamate and aspartate.
- RO1MH-16841-06 0013 (PPR) OLTMANS, G. A. Effect of central nervous system lesions on drug action—Role of acetylcholine and catecholamines in regulation of water and food intake.
- RO1MH-16841-06 0014 (PPR) SORENSEN, J. P. Effect of central nervous system lesions on drug action—Effect of septal lesions on water consumption and content of acetylcholine.
- RO1MH-16841-06 0015 (PPR) YARMAT, A. J. Effect of central nervous system lesions on drug action—Effect of medial hypothalamic lesions on brainstem content of norepinephrine.
- RO1MH-16852-06 (NP) MASON, EVELYN P, WESTERN WASHINGTON STATE COLL, BELLINGHAM, WASH. Evaluation of project catch-up (human).
- RO1MH-16853-05 (EPR) WEISS, STANLEY J, AMERICAN UNIVERSITY, MASS & NEBRASKA AVES, N. W. WASHINGTON, D. C. Composite-stimulus control in multiple-task schedules (rats).
- RO1MH-16870-06 (EPR) VANDENBERGH, JOHN G, DOROTHEA DIX HOSPITAL, POST OFFICE BOX 7599, RALEIGH, N. C. Behavioral and endocrine coordination in mammals (mice, hamsters).
- RO1MH-16899-05 (NP) MANOSEVITZ, MARTIN, UNIVERSITY OF TEXAS, 211 MEZES HALL, AUSTIN, TEXAS. Development of behavior and genetics (mice).
- RO1MH-16927-03 (MHS) DOLL, WILLIAM, MH REHABILITATION & RES, INC, 11101 MAGNOLIA DRIVE, CLEVELAND, OHIO. Stigma and the community care of the psychiatric patient.
- RO1MH-16928-06 (EPR) SHIMP, CHARLES P, UNIVERSITY OF UTAH, DEPT OF PSYCHOLOGY, SALT LAKE CITY, UTAH. Concurrent choices and concurrent interresponse times (pigeons, human).
- RO1MH-16929-06 (EPR) HOFER, MYRON A, MONTEFIORE HOSP & MEDICAL CTR, 111 EAST 210TH STREET, BRONX, N. Y. The developmental effects of early maternal separation (rats).
- RO1MH-16950-06 (SSR) BURNSTEIN, EUGENE, UNIVERSITY OF MICHIGAN, INSTITUTE FOR SOCIAL RESEARCH, ANN ARBOR, MICH. Group decision-making involving risk.
- RO1MH-16952-05 (SSR) WEINSTEIN, EUGENE A, DEPARTMENT OF SOCIOLOGY, SUNY AT STONY BROOK, STONY BROOK, N. Y. Interpersonal control processes (human).
- RO1MH-16954-04 (NP) TAUB, EDWARD, INSTIT FOR BEHAVIORAL RESEARCH, 2429 LINDEN LANE, SILVER SPRING, MD. Effects of somatosensory deafferentation (monkeys, opposum).
- RO1MH-16955-05 (NP) FENTRESS, JOHN C, UNIVERSITY OF OREGON, DEPT OF BIOLOGY & PSYCHOLOGY, EUGENE, OREG. Neural conditioning and development (mice).
- RO1MH-16960-06 (CPR) SMITH, JACK R, UNIVERSITY OF FLORIDA, DEPT OF ELECTRICAL ENGINEERING, GAINESVILLE, FLA. Quantitative analysis of sleep EEG's and EOG's (human).
- RO1MH-16970-06 (NP) OLDS, JAMES, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA, PASADENA, CALIF. Brain studies of purposive behavior (rats).
- RO1MH-17009-05 (NP) WILLIAMS, TERENCE M, UNIVERSITY OF IOWA, DEPARTMENT OF PHARMACOLOGY, IOWA CITY, IOWA. Experimental investigations of pain (cats).
- RO1MH-17018-05 (PPR) MARGOLIS, RICHARD U, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Mucopolysaccharides in brain (rats, rabbits, cattle).
- RO1MH-17039-05 (CPR) SATTERFIELD, JAMES M, GATEWAYS HOSPITAL, 1891 EFFIE STREET, LOS ANGELES, CALIF. Psychophysiological studies in hyperactive children.
- RO1MH-17159-05 (MHS) ETZIONI, AMITAI, CENTER FOR POLICY RESEARCH INC, 475 RIVERSIDE DRIVE, NEW YORK, N. Y. Interorganizational relationships and consequences.
- RO1MH-17279-05 (PPR) NORTON, STATA, UNIVERSITY OF KANSAS, 39TH ST AT RAINBOW BLVD, KANSAS CITY, KANS. Psychoactive drugs and the organization of behavior (rats).
- RO1MH-17312-05 (PCR) BRONSON, WANDA C, UNIVERSITY OF CALIFORNIA, 1203 TOLMAN HALL, BERKELEY, CALIF. Antecedents of competence.
- RO1MH-17367-03 (SUP) DIGGORY, JAMES C, CHATHAM COLLEGE, DEPARTMENT OF PSYCHOLOGY, PITTSBURGH, PA. Community impact of suicide prevention services.
- RO1MH-17377-05 (EPR) ARNOLD, WILLIAM J, UNIVERSITY OF NEBRASKA, DEPARTMENT OF PSYCHOLOGY, LINCOLN, NEBR. Early experience and development of behavior (rats).
- RO1MH-17384-05 (NP) MEYER, CORNELIUS C, QUINNIAC COLLEGE, P O BOX 144, HAMDEN, CONN. Physiological bases of social behavior (chickens).
- RO1MH-17387-05 (PPR) GREENGARD, PAUL, YALE UNIVERSITY SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Anti-psychotic drugs—Role of cyclic AMP (human, mice).
- RO1MH-17405-05 (PCR) BERKOWITZ, LEONARD, UNIVERSITY OF WISCONSIN, DEPARTMENT OF PSYCHOLOGY, MADISON, WIS. Determinants of aggressive behavior (human).
- RO1MH-17436-05 (PPR) GERSHON, SAMUEL, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Psychopharmacology of the lithium ion (human, rats, dogs).
- RO1MH-17471-05 (PPR) KILLAM, KEITH F, JR, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Drugs on EEG correlates of behavior (primates, cats).
- RO1MH-17473-04 (MHS) LIPTON, MORTIMER B, NORRISTOWN STATE HOSPITAL, PROGRAM RESEARCH UNIT, NORRISTOWN, PA. Criteria for evaluation of mental health services.
- RO1MH-17484-05 (PCR) HARRIS, ZELIG S, UNIVERSITY OF PENNSYLVANIA, 401 WILLIAMS HALL, PHILADELPHIA, PA. Objective and subjective components of grammar.
- RO1MH-17489-05 (PPR) GREEN, JACK P, MT SINAI SCHOOL OF MEDICINE, DEPT OF PHARMACOLOGY, NEW YORK, N. Y. Psychopharmacologic activity—Quantum chemical study (rats).
- RO1MH-17495-03 (SSR) COOK, STUART W, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF COLORADO, BOULDER, COLO. Cooperative interracial contact and attitude change.
- RO1MH-17508-03 (MHS) CLARK, JOHN P, DEPT SOCIOLOGY-U OF MINNESOTA, 2122 RIVERSIDE AVENUE, MINNEAPOLIS, MINN. Effectiveness of regulatory systems for problem youth.
- PO1MH-17565-03 (CD) BORGAONKAR, DIGAMBER S, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Genetics of the XYY phenomena in man.
- PO1MH-17565-03 0001 (CD) BORGAONKAR DIGAMBER S. Genetics of the XYY phenomena in man—Chromosome investigations (human).
- PO1MH-17565-03 0002 (CD) MC KUSICK VICTOR A. Genetics of the XYY phenomena in man—Physical investigations (human).
- PO1MH-17565-03 0003 (CD) HELTNE, P. G. Genetics of the XYY phenomena in man—Anthropometric and somatotype investigations (human).
- PO1MH-17565-03 0004 (CD) MIGEON CLAUDE J. Genetics of the XYY phenomena in man—Endocrine investigations (human).
- PO1MH-17565-03 0005 (CD) JORGENSEN, R. Genetics of the XYY phenomena in man—Skull and dental studies in XYY patients.
- PO1MH-17565-03 0006 (CD) LINDSTROM, J. Genetics of the XYY phenomena in man—Neurological evaluation of XYY patients.
- PO1MH-17565-03 0007 (CD) BLUMER, D. Genetics of the XYY phenomena in man—Psychiatric investigations of XYY patients.
- PO1MH-17565-03 0003 (CD) CHAR, F. Genetics of the XYY phenomena in man—Electrocardiogram in XYY individuals.
- PO1MH-17565-03 0009 (CD) SCOTT, C. I. JR. Genetics of the XYY phenomena in man—Radiographic studies in XYY individuals.
- RO1MH-17654-04 (CPP) GOLDSTEIN, BURTON J, JACKSON MEMORIAL HOSPITAL, 1700 N W 10TH STREET, MIAMI, FLA. Patient profiles and differential response to drugs.
- RO1MH-17691-05 (PPR) JENDEN, DONALD J, UNIVERSITY OF CAL, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Interactions of drugs with brain acetylcholine (rats, cats, mice).
- RO1MH-17728-05 (CPP) DI MASCIO, ALBERTO, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. Follow-up of maintenance treatment for depression (human).
- RO1MH-17733-04 (EPR) BUSCHKE, HERMAN, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Retention in and retrieval from immediate memory.
- RO1MH-17871-05 (PPR) AGHAJANIAN, GEORGE K, CONN MENTAL HEALTH CENTER, 34 PARK STREET, NEW HAVEN, CONN. Psychotogenic drug action on chemically defined neurons (rats).
- RO1MH-17946-04 (CD) WHINERY, LEO M, MUNICIPAL CRIMINAL COURT, 122 N PETERS STREET, NORMAN, OKLA. Cross vacadation of predictive sentencing models (human).
- RO1MH-17960-05 (CD) WALZER, STANLEY, 295 LONGWOOD AVE, BOSTON, MASS. Chromosome abnormality and behavioral variation (human).
- RO1MH-17968-05 (CPP) GERSHON, SAMUEL, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Chlorpromazine metabolism in acute schizophrenia (human).
- RO1MH-17978-03 (MHS) ROBINSON, EVELYN W, CHILD & FAMILY SERVICES, 1680 ALBANY AVENUE, HARTFORD, CONN. Training for foster parents of disturbed children.
- RO1MH-18010-05 (MHS) RIVLIN, LEANNE G, CITY UNIVERSITY OF NEW YORK, 33 WEST 42ND STREET, NEW YORK, N. Y. Behavior and space in a children's psychiatric unit (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1MH-18013-04 (MHS) SROLE, LEO, COLUMBIA U COLL OF PHYS & SURG, 722 WEST 168TH STREET, NEW YORK, N. Y. Geel (Belgium) foster family care research project (human).
- RO1MH-18038-05 (PPR) COWARD, JAMES K, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Mechanistic study of biological transmethylation.
- RO1MH-18051-04 (MHS) FAULKNER, AUDREY O, RUTGERS-THE STATE UNIV, GRADUATE SCHOOL OF SOCIAL WORK, NEW BRUNSWICK, N. J. Aging and the use of community resources (human).
- RO1MH-18055-05 (CPR) STEVENS, JANICE R, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Telemetered EEG, behavior and mental state (human, monkeys).
- RO1MH-18060-05 (MP) CRAIN, ROBERT L, JOHNS HOPKINS UNIV, 34TH AND CHARLES STS, BALTIMORE, MD. The permanent community sample (human).
- RO1MH-18070-05 (CPR) HARLOW, HARRY F, PRIMATE LABORATORY, 22 NORTH CHARTER STREET, MADISON, WIS. Experimental depression induced in infant monkeys.
- RO1MH-18075-05 (CD) DALY, RICHARD P, UNIVERSITY OF WISCONSIN, ROOM 515 - GENETICS BUILDING, MADISON, WIS. A comprehensive study of 47, XYY male offenders (human).
- RO1MH-18135-04 (JP) SIMMONS, ROBERTA G, DEPT OF SOCIOLOGY, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN. Self-image and family dynamics in transplantation (human).
- RO1MH-18136-04 (NP) GLASSMAN, EDWARD B, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N. C. Molecular approaches to behavior (rats).
- RO1MH-18144-04 (CPR) KAUFMAN, I CHARLES, UNIVERSITY OF COLORADO, 4200 E 9TH AVENUE, DENVER, COLO. The varied response to mother-loss in two species (monkeys).
- RO1MH-18168-04 (SSR) WENNER, MYRON, MASSACHUSETTS INST OF TECH, 30 WADSWORTH STREET, CAMBRIDGE, MASS. Socio-political aspects of internal migration (India).
- RO1MH-18180-05 (CPP) ENGELHARDT, DAVID M, SUNY DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Outpatient pediatric psychopharmacology.
- RO1MH-18246-04 (EPR) HEINEMANN, ERIC G, BROOKLYN COLL, BEDFORD AVE & AVE H, BROOKLYN, N. Y. A study of choice behavior (pigeons).
- RO1MH-18260-05 (ESR) LANGNER, THOMAS S, COLUMBIA UNIVERSITY, 600 WEST 168 STREET, NEW YORK, N. Y. Psychiatric impairment in urban children over time.
- RO1MH-18282-05 (NP) BARONIDES, SAMUEL H, UNIV OF CALIF, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Biochemical regulatory mechanisms and memory (mice, cockroaches).
- RO1MH-18332-05 (CPR) WOLFF, PETER H, CHILDREN'S HOSPITAL MED CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Temporal organization in behavior and development (human).
- RO1MH-18342-05 (EPR) RILLING, MARK E, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, EAST LANSING, MICH. Aversive properties of discriminative stimuli (pigeons).
- RO1MH-18343-04 (NP) NOTTEBOHM, FERNANDO, ROCKEFELLER UNIVERSITY, NEW YORK, N. Y. Neural lateralization of vocal control (birds).
- RO1MH-18354-04 (CPR) CHAPMAN, LOREN J, UNIVERSITY OF WISCONSIN, CHARTER AT JOHNSON STREET, MADISON, WIS. Attention of deficits in subvarieties of schizophrenia.
- RO1MH-18391-04 (CPR) VOGEL, GEBALD W, GEORGIA MENTAL HEALTH INSTITUT, 1256 BRIARCLIFF ROAD, N. E. ATLANTA, GA. Sleep psychophysiology and psychopathology (human).
- RO1MH-18396-03 (CPR) MELTZER, HERBERT Y, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Myopathy of psychosis and psychotomimetic drugs (human, rats, monkeys).
- RO1MH-18411-05 (PCR) DAWSON, MICHAEL E, GATEWAYS HOSPITAL, 1891 EFFIE STREET, LOS ANGELES, CALIF. Cognitive effects on GSR conditioning and performance (human).
- RO1MH-18421-05 (PPR) MC KEARNEY, JAMES W, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Drugs effects on behavior maintained by aversive events (primates).
- RO1MH-18422-04 (CPR) BRUDER, GEBALD E, N. Y. STATE PSYCHIATRIC INST, 722 W 168 STREET, NEW YORK, N. Y. Psychoacoustic research in psychopathology (human).
- RO1MH-18438-05 (CPR) BROWN, JANET L, 244 TOWNSEND STREET, ROXBURY, MASS. Etiology and prognosis in childhood psychosis (human).
- RO1MH-18471-04 (JP) LEVENSTEIN, PHYLLIS, 5 BROADWAY, FREEPORT, N. Y. Verbal interaction project (human).
- RO1MH-18501-04 (PPR) SNYDER, SOLOMON H, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Neurochemical actions of psychotropic drugs (rats, rabbits, monkeys, guinea pigs).
- RO1MH-18516-03 (CD) WAHLER, ROBERT G, PSYCHOLOGICAL CLINIC, 719 13TH STREET, KNOXVILLE, TENN. Treatment of childhood behavior problems.
- RO1MH-18542-04 (CD) RISLEY, TODD R, JUNIPER GARDENS CHILDRENS PROJ, NORTH THIRD AND STEWART STREET, KANSAS CITY, KANS. Community-controlled sanctions in an urban poverty area.
- RO1MH-18565-04 (EPR) MILLER, RUDOLPH J, OKLAHOMA STATE UNIVERSITY, DEPT OF ZOOLOGY, STILLWATER, OKLA. Comparative study of social organization (damselfish).
- RO1MH-18579-04 (CPP) KLEIN, DONALD F, I JEWISH-HILLSIDE MED CTR, 75-59 263RD STREET, GLEN OAKS, N. Y. Comparative drug effects in hyperkinetic children.
- RO1MH-18611-04 (NP) PERETZ, BERTRAM, UNIVERSITY OF KENT MED CTR, DEPT OF PHY AND BIOP, LESINGTON, KENT. Neural correlates of modifiable behavior (Aplysia).
- RO1MH-18646-03 (MHS) KLEIN, DONALD C, 4730 SHEPPARD LANE, ELLICOTT CITY, MD. Developmental approach to community change.
- RO1MH-18762-04 (SSR) PILLAVIN, IRVING M, UNIVERSITY OF WISCONSIN, SCHOOL OF SOCIAL WORK, MADISON, WIS. Conditions facilitating successful rendering of help.
- RO1MH-18813-04 (CD) FELDMAN, RONALD A, WASHINGTON UNIVERSITY, SKINKER AND LINDLE BLVDS, ST LOUIS, MO. Group integration and behavioral change (human).
- RO1MH-18819-04 (SUP) THOMAS, CAROLINE B, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Precursors of suicide and other premature deaths.
- RO1MH-18846-03 (CPR) MORLEY, WILBUR E, LOS ANGELES PSYCHIATRIC SERV, 8770 WHITWORTH DRIVE, LOS ANGELES, CALIF. Outcome of crisis intervention treatment.
- RO1MH-18856-04 (PCR) LYKCKEN, DAVID T, UNIVERSITY OF MINNESOTA, BOX 392 MAYO, MINNEAPOLIS, MINN. Control of the subjective intensity of sensation (human).
- RO1MH-18857-02 (CPR) MC NEIL, THOMAS F, LAFAYETTE CLINIC, 951 EAST LAFAYETTE, DETROIT, MICH. Offspring of psychotic women (Sweden).
- RO1MH-18864-04 (ESR) ROBINS, LEE N, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Epidemiology of achievement and psychiatric status.
- RO1MH-18909-04 (CPP) SPRAGUE, ROBERT L, UNIVERSITY OF ILLINOIS, CHILDREN'S RESEARCH CENTER, CHAMPAIGN, ILL. Pediatric psychopharmacology (human, rats).
- RO1MH-18934-04 (MHS) KLEIN, HELEN E, MISSOURI INST OF PSYCHIATRY, 500 ARSENAL STREET, ST LOUIS, MO. Transcultural study in discharge of schizophrenics (US, Turkey).
- RO1MH-18949-04 (PPR) MENNINGER, GEORGE R, CONNECTICUT MENTAL HEALTH CTR, 34 PARK STREET, NEW HAVEN, CONN. Central neurophysiology of the functional psychoses (human, animals).
- RO1MH-18958-02 (SRC) WAGENFELD, MORTON O, WESTERN MICHIGAN UNIV, KALAMAZOO, MICH. Social activism and the mental health workers role.
- RO1MH-18962-03 (SUP) POKORNY, ALEX D, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEXAS. Prediction of suicide in psychiatric patients (human).
- RO1MH-18967-04 (PPR) KAUFMAN, JOYCE J, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Quantum calculations for psychopharmacology.
- RO1MH-18988-02 (MHS) STARR, PHILIP, CHILD & FAMILY SERVICES OF CON, 1680 ALBANY AVENUE, HARTFORD, CONN. Helping services used by adoptive and natural parents.
- R12MH-18995-04 (MHS) TURNER, ALFRED J, HUNTSVILLE-MADISON CITY MH CTR, 218 RANDOLPH AVENUE, HUNTSVILLE, ALA. Behavior modification applied to a mental health center.
- RO1MH-19006-04 (EPR) THEIOS, JOHN M, UNIVERSITY OF WISCONSIN, DEPARTMENT OF PSYCHOLOGY, MADISON, WIS. Models of memory and time processes.
- RO1MH-19017-04 (SUP) JATLOW, PIETTER I, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN 06510. Computer assisted drug analysis in suicide attempts.
- RO1MH-19029-03 (MP) HALL, EDWARD T, NORTHWESTERN UNIVERSITY, DEPARTMENT OF ANTHROPOLOGY, EVANSTON, ILL. Nonverbal interethnic encounters in urban settings.
- RO1MH-19069-04 (MP) FRIED, MARC A, BOSTON COLLEGE, INSTITUTE OF HUMAN SCIENCES, CHESTNUT HILL, MASS. Social class differences in community behavior (human).
- RO1MH-19152-04 (PCR) BARBER, THEODORE X, MEDFIELD FOUNDATION, INC, ROUTE 27, MEDFIELD, MASS. Cognitive control of pain.
- RO1MH-19156-04 (CPR) ORNE, MARTIN T, 111 NORTH FORTY-NINTH STREET, PHILADELPHIA, PA. The nature of hypnosis (human).
- RO1MH-19193-04 (MHSR) STOKES, CHARLES A, INST FOR SERVICES TO EDUCAT, 2001 S STREET, N. W. WASHINGTON, D. C. Behavior growth in rapidly changing institutions (human).
- RO1MH-19211-04 (CPP) TRUCE, JOSEPH J, BOSTON STATE HOSPITAL, 591 MORTON STREET, DORCHESTER, MASS 02124. Psychotropic drugs and slow potentials in man.
- RO1MH-19222-02 (MHS) WEBNER, SAMUEL, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Process and impacts of a state hospital closing.
- RO1MH-19223-05 (PCR) TRABASSO, THOMAS R, PRINCETON UNIVERSITY, DEPT OF PSYCHOLOGY, PRINCETON, N. J. Reasoning and cognition (children, adults).
- RO1MH-19225-04 (CD) MEDNICK, SARNOFF A, NEW SCHOOL FOR SOCIAL RESEARCH, 65 FIFTH AVENUE, NEW YORK, N. Y. Perinatal brain damage and later antisocial behavior (human).
- RO1MH-19300-04 (EPR) HEARST, BLOJ S, INDIANA UNIVERSITY, DEPT OF PSYCHOLOGY, BLOOMINGTON, IND. Generalization gradients and discrimination learning (rats, pigeons).
- R12MH-19348-04 (SRC) GEBHARD, PAUL H, INDIANA UNIVERSITY, 416 MORRISON HALL, BLOOMINGTON, IND. Core support program for research dissemination.
- RO1MH-19384-04 (JP) FELKER, DONALD W, PURDUE UNIVERSITY, BLDG G, SOUTH CAMPUS COURTS, LAFAYETTE, IND. Self-concept and self-administered verbal rewards in children.
- RO1MH-19399-04 (EPR) MASSARO, DOMINIC W, UNIVERSITY OF WISCONSIN, CHARTER AT JOHNSON STREET, MADISON, WIS. Perceptual processing and memory of auditory stimuli (human).
- RO1MH-19415-05 (PCR) SATZ, PAUL, SHANDS TEACHING HOSPITAL, P O BOX 765, GAINESVILLE, FLA. Developmental dyslexia-A longitudinal study.
- RO1MH-19420-04 (NP) GROSS, CHARLES G, PRINCETON UNIV, 1-E-14 GREEN HALL, PRINCETON, N. J. Functions of temporal cortex in discrimination (monkeys, cats).
- RO1MH-19426-02 (NP) KHACHATURIAN, ZAVEN S, UNIVERSITY OF PITTSBURGH, 201 DE SOTO STREET, PITTSBURGH, PA. Neural responses to relevant and irrelevant stimuli (cats).
- RO1MH-19438-04 (EXP) MARGULES, DAVID L, TEMPLE UNIVERSITY, DEPT OF PSYCHOLOGY, BOX 20, PHILADELPHIA, PA. Neurochemistry of obesity and learned taste aversions.
- RO1MH-19438-04 0001 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions-Hypophysectomy in gold thioglucose treated mice (and rats).
- RO1MH-19438-04 0002 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions-Peripheral and endocrine influences on changes in feeding (rats).
- RO1MH-19438-04 0003 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions-Neuroendocrine feeding and satiety in genetically obese rats (and mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1MH-19438-04 0004 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions—Brain mechanisms that control insulin in relation to obesity (rats, mice).
- RO1MH-19438-04 0005 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions—Fluoro-assay of norepinephrine, dopamine, serotonin in hypothalamus (rats, mice).
- RO1MH-19438-04 0006 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions—Effect of drug treatment of hypothalamus on behavior (rats).
- RO1MH-19438-04 0007 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions—Conditioned taste aversion (rats).
- RO1MH-19438-04 0008 (EXP) MARGULES, DAVID L. Neurochemistry of obesity and learned taste aversions—Weight regulation (mice, rats).
- RO1MH-19443-03 (MHS) MYERSON, PAUL G, NEW ENGLAND MED CENTER HOSP, 171 HARRISON AVENUE, BOSTON, MASS. A monitor service to families of the emotionally ill.
- RO1MH-19477-03 (CPR) HOLZMAN, PHILIP S, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Psychomotility and cognitive style in the schizophrenias.
- RO1MH-19497-03 (EPR) MULLER, RALPH R, BROOKLYN COLLEGE OF C U N Y, DEPT OF PSYCHOLOGY, BROOKLYN, N. Y. Memory processes and retention (rats, mice).
- R12MH-19503-02 (MHS) BINNER, PAUL R, FORT LOGAN MENTAL HEALTH CTR, 3520 WEST OXFORD AVENUE, DENVER, COLO. Output value analysis of a comprehensive mental health center.
- RO1MH-19506-03 (NP) MICHAEL, RICHARD P, EMORY UNIVERSITY, DEPT OF PSYCHIATRY, ATLANTA, GA. Hormones, the brain and primate behavior.
- RO1MH-19506-03 0001 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Relationship between sexual initiating behavior and motivational state.
- RO1MH-19506-03 0002 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Relation between hormonal status and agonistic behavior.
- RO1MH-19506-03 0003 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Redirection of aggression.
- RO1MH-19506-03 0004 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Relation between sexual invitations and aggression.
- RO1MH-19506-03 0005 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Grooming activity.
- RO1MH-19506-03 0006 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Dominance-submission relationships.
- RO1MH-19506-03 0007 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Individual partner preferences.
- RO1MH-19506-03 0008 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Male attractant pheromones.
- RO1MH-19506-03 0009 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Male repellent pheromones.
- RO1MH-19506-03 0010 (NP) MICHAEL, RICHARD D. Hormones, the brain and primate behavior—Chemistry of vaginal secretions.
- RO1MH-19515-04 (NP) GROVES, PHILIP M, UNIVERSITY OF COLORADO, DEPT OF PSYCHOLOGY, BOULDER, COLO. Substrates of elementary behavioral plasticity (rats).
- RO1MH-19531-03 (SSR) KOCH, KLAUS-FRIEDRICH, HARVARD UNIVERSITY, 402 WILLIAM JAMES HALL, CAMBRIDGE, MASS. The cultural context of law and conflict management (Fiji, Tonga).
- RO1MH-19560-04 (CPR) ERLENMEYER-KUMLING, L, NEW YORK STA PSYCHIATRIC INST, 722 WEST 168 STREET, NEW YORK, N. Y. Prospective study of children of schizophrenic parents.
- RO1MH-19585-02 (SP) GRANICK, SAMUEL, HOME FOR JEWISH AGED, 5301 OLD YORK ROAD, PHILADELPHIA, PA. Human aging data file and psychological analysis.
- RO1MH-19589-01 (SSR) MINTURN, LEIGH, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF COLORADO, BOULDER, COLO. Comparative study of communal living arrangements.
- RO1MH-19617-04 (EPR) ALTMANN, STUART A, W C ALLEE LAB OF ANIMAL BEHAV, 5712 S INGLESIDE AVENUE, CHICAGO, ILL. Quantitative studies of primate social groups (baboons).
- RO1MH-19624-04 (PPR) RORINS, EUJ, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Behavioral neuroendocrinology—Chemical correlates (rats).
- RO1MH-19642-04 (JP) KOGAN, KATE L, UNIVERSITY OF WASHINGTON, CDMR CENTER, SEATTLE, WASH. Teaching mothers to alter interactions with children.
- RO1MH-19649-03 (CPR) CLAUSEN, JOHN A, UNIVERSITY OF CALIFORNIA, 1203 TOLMAN HALL, BERKELEY, CALIF. The impact of mental illness on the family (human).
- RO1MH-19687-02 (SP) RIVESMAN, LEONORE, FAMILY SERVICE ASSOC OF AMERIC, 44 EAST 23 STREET, NEW YORK, N. Y. Specialized consultation on programming for the aged.
- RO1MH-19691-04 (NP) COTMAN, CARL W, UNIVERSITY OF CALIF, DEPT OF PSYCH, IRVINE, CALIF. Interrelations between chemical and behavioral plasticity (Aplysia, rats).
- RO1MH-19705-04 (EPR) SMITH, EDWARD E, STANFORD UNIVERSITY, DEPT OF PSYCHOLOGY, STANFORD, CALIF. Organization and retrieval processes in human memory.
- RO1MH-19706-03 (CD) COHEN, HAROLD L, INST FOR BEHAVIORAL RES INC, 2429 LINDEN LANE, SILVER SPRING, MD. Behavioral programs in learning activities for youth (human).
- RO1MH-19712-03 (SSR) VAN DEN BERGHE, PIERRE L, UNIVERSITY OF WASHINGTON, 202 SAVERY OK-40, SEATTLE, WASH. Social change in plural society (Andean Peru).
- RO1MH-19715-04 (EPR) HOFFMAN, HOWARD S, BRYN MAWR COLLEGE, 101 N MERION AVENUE, BRYN MAWR, PA. Behavioral control by an imprinted stimulus (ducks).
- RO1MH-19722-04 (EPR) EDELBERG, ROBERT, RUTGERS UNIVERSITY, DEPT OF PSYCHIATRY, NEW BRUNSWICK, N. J. Adaptive function of electrodermal activity (human).
- RO1MH-19734-04 (PPR) EDUSON, SAMUEL, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCI, LOS ANGELES, CALIF. Isoenzymes of monoamine oxidase in developing brain (human, chick embryo).
- RO1MH-19784-02 (CPR) LEWINSON, PETER M, UNIVERSITY OF OREGON, DEPARTMENT OF PSYCHOLOGY, EUGENE, OREG. Depression—A clinical-research approach.
- RO1MH-19793-03 (NP) LYNCH, GARY S, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOBIOLOGY, IRVINE, CALIF. Central mechanisms controlling behavioral excitability (rats).
- RO1MH-19795-03 (EXP) KANDEL, ERIC R, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N. Y. Learning mechanisms in abdominal ganglion of Aplysia.
- RO1MH-19831-04 (MHS) HIEZ, MARVIN I, NEW YORK STATE PSYCHIATRIC INS, 722 W 168TH STREET, NEW YORK, N. Y. Brief hospitalization—Effects on patient and family.
- RO1MH-19837-03 (EPR) VANDENBERGH, JOHN G, NORTH CAROLINA DEPT OF M H, BOX 7599, RALEIGH, N. C. Behavioral and endocrine coordination (monkeys).
- RO1MH-19849-02 (CPR) BROWN, BARBARA B, VETERANS ADMINISTRATION HOSP, 16111 PLUMMER ST, SEPULVEDA, CALIF. Learned control of EEG theta activity (human).
- RO1MH-19864-04 (SSR) D'ANDRADE, ROY G, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. American beliefs about physical and mental illness.
- PO1MH-19871-03 (JP) ASPY, DAVID N, BISHOP COLLEGE, DALLAS, TEX. National consortium for humanizing education.
- RO1MH-19880-02 (MHS) LIBERMAN, ROBERT P, CAMARILLO STATE HOSPITAL, BOX A, CAMARILLO, CALIF. Behavioral analysis in a community mental health center.
- RO1MH-19883-03 (SP) HALL, BERNARD H, THE ROOSEVELT HOSPITAL, 428 WEST 59TH STREET, NEW YORK, N. Y. Rehabilitation of elderly tenants of a welfare hotel.
- RO1MH-19884-03 (CPR) CREER, THOMAS L, CHILDREN'S ASTHMA RES INST & H, 3401 W 19TH AVENUE, DENVER, COLO. Treatment of asthma by behavior therapy.
- RO1MH-19915-03 (PCR) GOLDSCHMIDT, WALTER R, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. The development of a picture test of values (human).
- RO1MH-19930-03 (MP) OSTROM, KARL A, URBAN POLICY STUDY, POST OFFICE BOX 1108, CHAPEL HILL, N. C. Information, values, and urban policy formation.
- PO1MH-19966-03 (ESR) GRUENBERG, ERNEST M, HUDSON RIVER STATE HOSPITAL, Poughkeepsie, N. Y. Psychiatric epidemiology research unit and two field studies.
- PO1MH-19966-03 0001 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Psychiatric epidemiology research unit.
- PO1MH-19966-03 0002 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Statistics and data processing.
- PO1MH-19966-03 0003 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Psychiatric epidemiology literature profiles.
- PO1MH-19966-03 0004 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Dutchess County field station and population laboratory.
- PO1MH-19966-03 0005 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Dutchess County register.
- PO1MH-19966-03 0006 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Washington Heights field station.
- PO1MH-19966-03 0007 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Chronic hospitalization.
- PO1MH-19966-03 0008 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Social breakdown syndrome—Recovery determinants.
- PO1MH-19966-03 0009 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Master Sample Survey III (human).
- PO1MH-19966-03 0011 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Lundby prevalence and incidence analysis (human).
- PO1MH-19966-03 0013 (ESR) GRUENBERG, ERNEST M. Psychiatric epidemiology research unit and two field studies—Depression survey.
- RO1MH-19972-04 (CPR) WOODRUFF, ROBERT A, JR, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Blind psychiatric family and follow-up study.
- RO1MH-19989-04 (SUP) BECK, AARON T, PHILADELPHIA GENERAL HOSP, 34TH AND CIVIC CENTER BLVD, PHILADELPHIA, PA. Classification and assessment of suicidal behaviors (human).
- RO1MH-20006-04 (SSR) PERROW, CHARLES B, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N. Y. The dynamics of short run social change (human).
- RO1MH-20021-04 (PCR) CLARK, HERBERT H, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, STANFORD, CALIF. Cognitive processes in comprehension and deduction (human).
- RO1MH-20030-04 (CD) PHILLIPS, ELERY L, BUREAU OF CHILD RESEARCH, UNIVERSITY OF KANSAS, LAWRENCE, KANS. Achievement place—Phase III (human).
- RO1MH-20059-02 (SSR) JOHN, ERWIN R, NEW YORK MEDICAL COLLEGE, 106TH ST & FIFTH AVENUE, NEW YORK, N. Y. Neural mechanisms of memory readout (cats).
- NO1MH-20065-01 (***) EXOTECH SYSTEMS INC, 525 SCHOOL ST S W, WASHINGTON, D. C. Evaluation of child advocacy projects.
- RO1MH-20077-02 (MHS) LEHMAN, EDWARD W, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N. Y. Psychiatric manpower in mental health centers.
- RO1MH-20102-04 (SSR) FERGUSON, CHARLES A, COMMITTEE ON LINGUISTICS, STANFORD UNIVERSITY, STANFORD, CALIF. Processes of linguistic change (Philippine).
- NO1MH-20105-03 (***) UNIV OF CALIFORNIA, 1483 FOURTH AVE, SAN FRANCISCO, CAL 94143. Regional evaluation and monitoring system for mental health care providers.
- NO1MH-20106-03 (***) BIODYNAMICS, INC, CAMBRIDGE, MASS. Evaluate automated clinical record systems for psychiatric patients.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

NO1MH-20110-00 (** BEHAVIOR SCIENCE CORPORATION, 1100 GLENDON AVE, LOS ANGELES, CAL. Evaluate impact of community mental health center consultation services.

NO1MH-20121-00 (** AMERICAN PUBL HLTH ASSN, 1015 18TH ST, WASHINGTON, D.C. 20036. Develop basic guide for mental health needs.

NO1MH-20122-00 (** MARTIN L KING JR CR SOC CHANGE, 671 BECKWITH ST SW, ATLANTA, GA. Study violence in American factories.

R12MH-20123-03 (MHP) MIENN, ALMA Z, MENTAL RESEARCH INSTITUTE, 555 MIDDLEFIELD ROAD, PALO ALTO, CALIF. Community alternatives for treatment of schizophrenia.

NO1MH-20125-00 (** DESIGN CENTER, INC, 1611 CONNECTICUT AVE, WASHINGTON, DC. Development and design of discussion guides (human).

RO1MH-20142-03 (PPR) ABOOD, LEO G, UNIVERSITY OF ROCHESTER, CENTER FOR BRAIN RESEARCH, ROCHESTER, N. Y. Mechanism of action of psychotomimetic drugs (rats, frogs).

NO1MH-20148-00 (** BLACKSIDE, INC, 21 GREENWICH ST, BOSTON, MASS. Minority social seminar teacher training course.

NO1MH-20158-00 (** NORTH TEXAS STATE UNIV, DENTON, TEX. Training project in mental health aspects in nursing homes.

NO1MH-20159-00 (** FRANKLIN INST, PHILADELPHIA, PA. Abstract and index 15,000 documents.

RO1MH-20169-03 (SSR) STEINER, IVAN D, UNIVERSITY OF MASSACHUSETTS, DEPT OF PSYCHOLOGY, AMHERST, MASS. Antecedents and consequences of perceived freedom (human).

NO1MH-20180-00 (** CHARLES PRESS PUBLISHERS, INC, NEW YORK, NY. Computer assisted instructional system in suicide studies.

NO1MH-20181-00 (** UNIV DENVER, DENVER, COL. Training program on cost analysis of community mental health centers.

RO1MH-20190-03 (NP) QUADAGNO, DAVID M, UNIVERSITY OF KANSAS, DEPT OF PHYSI & CELL BIOLOGY, LAWRENCE, KANS. Effect of gonadal hormones on behavior (rats, mice).

NO1MH-20197-01 (** SOCIO-TECHN SYSTEMS ASSOC INC, BOSTON, MASS. Evaluate NIMH aging programs with special focus on services.

NO1MH-20202-00 (** RAPHABLSON, ARNOLD H, 3212 BURN BRAE DR, DRESHER, PA. Evaluation of NIMH funded financing studies and cost data-manpower.

NO1MH-20204-01 (** FINK, RAYMOND, 49 PAULIN BLVD, LEONIA, NJ. Report on pre-paid group health insurance.

NO1MH-20205-00 (** HALL, CHARLES P, JR, SCH BUSINESS ADMIN, TEMPLE UNIV, PHILADELPHIA, PA. Evaluate NIMH funded financial studies and cost data.

NO1MH-20206-00 (** UNIV OF FLORIDA, GAINESVILLE, FLA. Epidemiologic study of mortality associated with mental disorders.

NO1MH-20207-00 (** NEW YORK MED COL, NEW YORK, NY 10029. Clinical study of new narcotic antagonists in man.

NO1MH-20212-01 (** RES FDN MENTAL HYGIENE, 44 HOLLAND AVE, ALBANY, NY. Progress toward community mental health center program objective.

NO1MH-20213-03 (** UNIV CALIFORNIA MED CR, 1405 4TH AVE, SAN FRANCISCO, CAL. Prepare videotapes of clinical interviews-NIMH depression study.

RO1MH-20214-04 (JP) GLICK, JOSEPH A, MOUNT SINAI HOSPITAL, 100TH ST AND 5TH AVENUE, NEW YORK, N. Y. Parent education program in the pediatric clinic.

NO1MH-20221-00 (** UNIV SOUTHERN CAL, LOS ANGELES, CAL. Training project on mental health aspects in nursing homes.

RO1MH-20221-02 (SP) MILES, MATTHEW B, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N. Y. Methods to promote growth in marital relationships.

NO1MH-20224-00 (** INST BEHAV SCI, HONOLULU, HAWAII. Effect of ethnocultural variations on mental health and psychopathology.

RO1MH-20245-03 (CPR) COWGILL, CYNTHIA W, MASSACHUSETTS MNTL HLTH CTR, 74 FENWOOD ROAD, BOSTON, MASS. Transactional analysis of families of schizophrenics.

RO1MH-20258-03 (CPR) BARLOW, DAVID H, UNIV OF MISSISSIPPI MED CTR, 2500 NORTH STATE STREET, JACKSON, MISS. Modification of deviant behavior.

RO1MH-20312-03 (JP) COX, GERARD M, 98A LONGWOOD AVENUE, BROOKLINE, MASS. Demonstration project for urban adolescent parents.

RO1MH-20315-03 (MHS) SCHWITZGEBEL, ROBERT L, CLAREMONT GRADUATE SCHOOL, 250 E 12TH ST, CLAREMONT, CALIF. Assessment of behavior modification instruments.

RO1MH-20321-03 (CPP) PAYNE, ROBERT W, EASTERN PENNA PSYCHIA INST, HENRY AVE & ABBOTSFORD ROAD, PHILADELPHIA, PA. Phenothiazine and schizophrenic thought disorder (human).

RO1MH-20367-03 (CD) STEADMAN, HENRY J, MENTAL HEALTH RES UNIT, 44 HOLLAND AVENUE, ALBANY, N. Y. Dangerousness, due process and the criminally insane.

RO1MH-20369-03 (CPR) STRUPP, HANS H, DEPARTMENT OF PSYCHOLOGY, VANDERBILT UNIVERSITY, NASHVILLE, TENN. Effectiveness of individual psychotherapy.

RO1MH-20372-03 (JP) SHURE, MYRNA B, 314 NORTH BROAD STREET, PHILADELPHIA, PA. Mental health program for preschool children.

RO1MH-20410-03 (JP) BAER, DONALD M, UNIVERSITY OF KANSAS, 130 HAWORTH HALL, LAWRENCE, KANS. Two-environment modification of problem child behavior.

RO1MH-20449-03 (EPR) ATTNEAVE, FRED, UNIVERSITY OF OREGON, DEPARTMENT OF PSYCHOLOGY, EUGENE, OREG. Spatial representation.

RO1MH-20478-03 (CPP) SPOHN, HERBERT E, THE MENINGER FOUNDATION, BOX 829, TOPEKA, KANS. Behavior mechanisms of drug action in schizophrenia (human).

RO1MH-20483-03 (EPR) ROSE, ROBERT M, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Aggressive behavior, dominance rank and testosterone (monkeys).

RO1MH-20495-03 (EPR) SHULMAN, HARVEY G, HUMAN PERFORMANCE CENTER, 404-B WEST 17TH AVENUE, COLUMBUS, OHIO. Stimulus encoding in human learning and retention.

RO1MH-20500-02 (PPR) HORNKYIEWICZ, OLEH, CLARKE INST OF PSYCHIATRY, 250 COLLEGE STREET, TORONTO 2B, ONTARIO CANADA. Extrapyramidal dyskinesias and brain amine metabolism.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1MH-20519-03 (JP) HEALY, MARGARET I, MUNDELEIN COLLEGE, 6363 SHERIDAN ROAD, CHICAGO, ILL. Mundelein-HICA early childhood education project.

RO1MH-20527-03 (PCR) GREENWALD, ANTHONY G, 404C WEST 17TH AVENUE, COLUMBUS, OHIO. Mechanisms of voluntary action and voluntary attraction (human).

RO1MH-20552-03 (MHP) LONDON, PERRY, PSYCHOLOGICAL RES & SERVICE CT, 734 WEST ADAMS BLVD, LOS ANGELES, CALIF. Personality and EEG correlates of hypnotic susceptibility.

RO1MH-20583-02 (CPP) GREENBERG, LAWRENCE M, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Pharmacotherapy of hyperactive children.

RO1MH-20584-02 (EPR) EPSTEIN, WILLIAM, UNIVERSITY OF WISCONSIN, CHARTER AT JOHNSON ST, MADISON, WIS. Mechanisms of directed forgetting.

RO1MH-20593-03 (CPR) GLICK, IRA D, UNIVERSITY OF CALIFORNIA, 1826 THIRD AVE, SAN FRANCISCO, CALIF. Short versus long hospitalization-A controlled study.

RO1MH-20620-03 (PPR) ZIGMOND, MICHAEL J, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF BIOLOGY, PITTSBURGH, PA. Psychopharmacology of brain norepinephrine (rats).

RO1MH-20628-03 (SUP) LITMAN, ROBERT E, SUICIDE PREVENTION CTR, INC, 2521 WEST PICO BOULEVARD, LOS ANGELES, CALIF. Controlled study of an anti-suicide program.

RO1MH-20639-01 (MHSR) SZALAY, LORAND B, AMERICAN INSTITUTES FOR RES, 10605 CONCORD STREET, KENSINGTON, MD. Comparative study of white, black, and spanish groups.

RO1MH-20660-03 (SSR) DABBS, JAMES M, JR, GEORGIA STATE UNIVERSITY, 33 GILMER STREET, S E, ATLANTA, GA. Physical distance and social interactions (human).

RO1MH-20681-02 (ESR) NEWBROUGH, JOHN R, GEORGE PEABODY COL FOR TEACHER, BOX 319, NASHVILLE, TENN. Community mental health epidemiology-Nashville, Tennessee.

RO1MH-20686-03 (PPR) ALIVISATOS, SPYRIDON G, CHICAGO MEDICAL SCHOOL, 2020 WEST OGDEN AVENUE, CHICAGO, ILL. Psychotropic agents and aminergic receptors.

RO1MH-20696-02 (SUP) TOCH, HANS, SCH OF CRIMINAL JUSTICE, SUNY, ALBANY, N. Y. Self-destruction among prison inmates.

RO1MH-20708-03 (SSR) MECHANIC, DAVID, UNIVERSITY OF WISCONSIN, 1180 OBSERVATORY DRIVE, MADISON, WIS. Prevalence of psychological distress and help-seeking.

RO1MH-20712-03 (CPR) KETY, SEYMOUR S, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Adoption studies on affective disorder (human).

RO1MH-20723-03 (EPR) SNOODGRASS, JOAN G, NEW YORK UNIVERSITY, 4 WASHINGTON PLACE, NEW YORK, N. Y. Human perceptual and short-term memory processing.

RO1MH-20741-03 (MHS) LAW, NORMAN C, SUBURBAN HOSPITAL, 8600 OLD GEORGETOWN RD, BETHESDA, MD. Hospital emergency overdose identification.

RO1MH-20743-03 (MHS) ROBERTSON, MARY P, UNIVERSITY OF FLORIDA, 102A AFA COMPLEX, GAINESVILLE, FLA. The child's creative learning space.

R12MH-20745-03 (MHS) SPIBO, HERZI R, RUTGERS MEDICAL SCHOOL, DEPARTMENT OF PSYCHIATRY, PISCATAWAY, N. J. Insurance and linking the insured to a MH care system.

RO1MH-20752-03 (EPR) FANTINO, EDMUND J, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Factors influencing choice behavior (pigeons).

RO1MH-20756-02 (JP) LAMBERT, MADINE M, UNIVERSITY OF CALIFORNIA, 1501 TOLMAN HALL, BERKELEY, CALIF. Factors associated with drug therapy for hyperactivity (human).

RO1MH-20757-02 (CD) TOCH, HANS, SCH-CRIMINAL JUSTICE, SUNY, 1400 WASHINGTON AVENUE, ALBANY, N. Y. Research on violence prevention by police.

RO1MH-20764-03 (ESR) BELLIN, SEYMOUR S, TUFTS DEPT OF SOCIOLOGY, MEDFORD, MASS. From need to service-A health center as gatekeeper (human).

RO1MH-20785-03 (PPR) BOREN, JOHN J, AMERICAN UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, WASHINGTON, D. C. Complex behavioral repertoires (primates, birds).

RO1MH-20798-03 (PPR) MARFEY, PETER, SUNY-AT ALBANY, DEPT OF BIOLOGICAL SCI, ALBANY, N. Y. Psychotropic drug effect on mammalian chromosomes (monkeys).

RO1MH-20802-03 (CPP) RAPOPORT, JUDITH L, GEORGETOWN UNIVERSITY, 3800 RESERVOIR ROAD, WASHINGTON, D. C. Comparative drug treatment for hyperactive children.

RO1MH-20811-03 (NP) VALENSTEIN, ELLIOT S, PROFESSOR DEPT OF NEUROSCIENCE, UNIV OF MICHIGAN, ANN ARBOR, MICH. Affective consequences of brain stimulation (rats).

RO1MH-20922-04 (CPR) BERNAL, MARTHA E, 2030 S YORK STREET, DENVER, COLO. Training parents in management of antisocial boys.

RO1MH-20946-02 (PPR) SLOVITER, HENRY A, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Psychoactive agents in the brain (rats).

RO1MH-20954-03 (MHS) CIARLO, JAMES A, 2030 SOUTH YORK STREET, DENVER, COLO. Impact of continuing evaluation of an urban CCMHC.

RO1MH-21001-03 (EPR) DEUTSCH, DIANA, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Pitch judgment after interpolated tones (human).

RO1MH-21010-03 (JP) CHICKERING, ARTHUR W, STRATEGIES FOR CHANGE, 605 NORTH BROADWAY, SARATOGA SPRINGS, N. Y. Strategies for change and knowledge utilization (education).

RO1MH-21035-03 (CD) MONROE, RUSSELL R, UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE, BALTIMORE, MD. Clinical prediction and treatment of episodic violence.

RO1MH-21037-03 (EPR) NELSON, THOMAS O, UNIVERSITY OF WASHINGTON, DEPT OF PSYCHOLOGY M-25, SEATTLE, WASH. Savings and forgetting from long-term memory.

RO1MH-21042-03 (PPR) BRIDGERS, WILLIAM P, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Folic acid and behavior.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1MH-21044-04 (CPR) PERSKY, HAROLD, PHILADELPHIA GENERAL HOSP, 34TH & CIVIC CENTER BLVD, PHILADELPHIA, PA. Reproductive endocrinology of depression.
- RO1MH-21051-03 (JP) BLANK, MARION S, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Errors and personalities—Their role in cognition in children.
- RO1MH-21076-02 (NP) COVALT-DUNNING, DOROTHY, WEST VIRGINIA UNIVERSITY, DEPT OF BIOLOGY, MORGANTOWN, W. VA. Courtship in periodical cicadas.
- RO1MH-21090-03 (PPR) STOLK, JON M, DEPT OF PHARM & TOX, DARTMOUTH MED SCH, HANOVER, N. H. Preclinical studies of rubidium in affective illness (dogs, primates).
- RO1MH-21105-03 (EXP) LAPPIN, JOSEPH S, VANDERBILT UNIVERSITY, DEPT OF PSYCHOLOGY, NASHVILLE, TENN. Recognition of spatial and temporal visual patterns (human).
- RO1MH-21114-03 (NP) PITTENDRIGH, COLIN S, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Circadian rhythms and the central nervous system (crayfish, insects, hamsters).
- RO1MH-21119-02 (JP) GOLDMAN, ROY D, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIF. College success—Task structure and strategy.
- RO1MH-21129-03 (JP) CHANTINY, JOHN, CITY DEMONSTRATION AGENCY, 658 SOUTH KING STREET, HONOLULU, HAWAII. Model infant care component.
- RO1MH-21133-03 (CPP) MALITZ, SIDNEY, NEW YORK ST PSYCHIATRIC INST, 722 WEST 168TH STREET, NEW YORK, N. Y. Plasma levels of imipramine and clinical outcome (human).
- RO1MH-21139-03 (SP) HAWKINS, JAMES L, INDIANA UNIVERSITY, 1100 WEST MICHIGAN, INDIANAPOLIS, IND. Social class and communication style in marriage.
- RO1MH-21144-03 (CPR) KHAN, AMAN U, CHILDREN'S MEMORIAL HOSP, 2300 CHILDREN'S PLAZA, CHICAGO, ILL. Treatment of asthma through conditioning.
- RO1MH-21145-02 (CPR) WEINTRAUB, SHELDON A, STATE UNIVERSITY OF NEW YORK, DEPT OF PSYCHOLOGY, STONY BROOK, N. Y. Adjustment of children of schizophrenic parents.
- RO1MH-21146-03 (JP) BOHANNAN, PAUL J, WESTERN BEHAVIORAL SCI INST, 1150 SILVERADO, LA JOLLA, CALIF. Stepfathers and the mental health of their children.
- RO1MH-21178-03 (NP) DAVIDSON, JULIAN M, DEPT OF PHYS, STANFORD UNIVERSITY, STANFORD, CALIF. Physiological aspects of mating behavior (rats).
- R13MH-21186-02 (MHP) GARMEZY, NORMAN, UNIVERSITY OF MINNESOTA, DEPARTMENT OF PSYCHOLOGY, MINNEAPOLIS, MINN. Conference and visitations for risk research groups.
- R12MH-21191-03 (PCR) RIGLER, DAVID, CHILDRENS HOSP OF LOS ANGELES, P O BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. Developmental consequence of extreme social isolation (human).
- RO1MH-21196-03 (SSR) GERBER, GEORGE, UNIVERSITY OF PENNSYLVANIA, 3620 WALNUT STREET, PHILADELPHIA, PA. Cultural indicators.
- RO1MH-21204-02 (CD) GURR, TED R, NORTHWESTERN UNIVERSITY, 2040 SHERIDAN ROAD, EVANSTON, ILL. Comparative historical study of urban public order.
- RO1MH-21205-02 (CPP) HALL, ROBERT A, INST/MED RES SANTA CLARA CTY, 751 S BASCOM AVENUE, SAN JOSE, CALIF. Stimulus modulation and drugs in hyperkinesia (human).
- RO1MH-21214-02 (MHS) NICHOLS, DARYL G, AMERICAN INSTITUTES FOR RES, P O BOX 1113, PALO ALTO, CALIF. Critical behaviors in the care of the mentally ill.
- R12MH-21215-02 (MHS) NICHOLS, DARYL G, AMERICAN INSTITUTES FOR RES, P O BOX 1113, PALO ALTO, CALIF. Diffusion of innovations among mental health centers.
- RO1MH-21222-03 (ESR) SADLER, H HARRISON, LANGLEY PORTER NEUROPSYCH, BOX 16A, 401 PARNASSUS, SAN FRANCISCO, CALIF. The quality of life following kidney transplantation (human).
- RO1MH-21230-01 (PCR) BANKS, JOSEPH M, DEPARTMENT OF PSYCHOLOGY, KENT STATE UNIVERSITY, KENT, OHIO. Sentence production and comprehension.
- RO1MH-21247-03 (PPR) LEAF, RUSSELL C, RUTGERS STATE UNIVERSITY, 88 COLLEGE AVENUE, NEW BRUNSWICK, N. J. Comparative drug studies of aggressive mechanism (mammals, frogs, orthoptera).
- RO1MH-21273-02 (SUP) BABIGIAN, HAROUTUN M, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Studies on suicide and suicide attempts in Monroe County.
- RO1MH-21275-02 (CPR) GLOBUS, GORDON G, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Pathologic and adaptive response to human sleep loss.
- RO1MH-21288-03 (PCR) RICHMAN, CHARLES L, WAKE FOREST UNIVERSITY, BOX 7775 REYNOLDA STATION, WINSTON-SALEM, N. C. Concept development.
- RO1MH-21294-03 (PCR) BARBER, THEODORE X, MEDFIELD FOUNDATION INC, ROUTE 27, MEDFIELD, MASS. Hypnosis, suggestion and psychocutaneous effects.
- RO1MH-21303-02 (CD) SCHWITZGEBEL, RALPH K, HARVARD MEDICAL SCHOOL, 58 FENWOOD ROAD, BOSTON, MASS. Assessment of adequacy of treatment (human).
- RO1MH-21304-03 (CD) PETERS, JOSEPH J, PHILADELPHIA GENERAL HOSPITAL, 34TH & CIVIC CENTER BLVD, PHILADELPHIA, PA. Philadelphia assault victim study.
- RO1MH-21312-03 (NP) GOY, ROBERT W, WISCONSIN REG PRIMATE RES CTR, 1223 CAPITOL COURT, MADISON, WIS. Endocrinological determinants of behavior.
- RO1MH-21312-03 0011 (NP) JOSELYN, W D. Endocrinological determinants of behavior—Effect of testosterone of infant female (monkeys, guinea pigs).
- RO1MH-21312-03 0012 (NP) WALLEN, KIM. Endocrinological determinants of behavior—Early social conditions and development of sexually dimorphic behaviors (monkeys).
- RO1MH-21312-03 0013 (NP) GOY, ROBERT W. Endocrinological determinants of behavior—Hermaphroditism and sexually dimorphic behavior (rhesus monkeys).
- RO1MH-21312-03 0014 (NP) WALLEN KIM. Endocrinological determinants of behavior—Gender role characteristics and social context (rhesus monkeys).
- RO1MH-21312-03 0015 (NP) BIELERT, CRAIG. Endocrinological determinants of behavior—Development of dimorphic behaviors in castrated male rhesus.
- RO1MH-21312-03 0016 (NP) BIELERT, CRAIG. Endocrinological determinants of behavior—Quantitative parameters of male sexual response (rhesus monkeys).
- RO1MH-21312-03 0017 (NP) CZAJA, JOHN. Endocrinological determinants of behavior—Effects of anesthetic ointments applied to penis of rhesus monkey and guinea pigs.
- RO1MH-21312-03 0018 (NP) SLUMP JEFFERSON. Endocrinological determinants of behavior—Cortical mapping of penile representation to tactile stimulation (guinea pigs).
- RO1MH-21312-03 0019 (NP) GOY, ROBERT W. Endocrinological determinants of behavior—The nature of estrogen conditioning in the female primate (rhesus monkeys).
- RO1MH-21312-03 0020 (NP) GOLDFOOT, DAVID. Endocrinological determinants of behavior—Positive feedback of estradiol for LH and behavioral activation (monkeys).
- RO1MH-21312-03 0021 (NP) WEISBARD CHARLES. Endocrinological determinants of behavior—Endocrine influences on motivational systems in the female (monkeys).
- RO1MH-21312-03 0022 (NP) ROBINSON, JERRY. Endocrinological determinants of behavior—Neural metabolism of steroids during sexual differentiation (monkeys, rodents).
- RO1MH-21312-03 0023 (NP) CZAJA, JOHN. Endocrinological determinants of behavior—Facilitation and inhibition of female guinea pigs with progesterone.
- RO1MH-21312-03 0024 (NP) GOLDFOOT, DAVID. Endocrinological determinants of behavior—Stimulation of RNA synthesis by estradiol benzoate in spayed guinea pigs.
- RO1MH-21312-03 0025 (NP) WEISBARD, CHARLES. Endocrinological determinants of behavior—Role of motherhood in social dynamics (macaques).
- RO1MH-21327-03 (PPR) VESELL, ELLIOT S, PENNSYLVANIA STATE UNIVERSITY, DEPT OF PHARMACOLOGY, HERSHEY, PA. Psychopharmacologic agents and drug metabolism.
- RO1MH-21336-03 (CPR) MINUCHIN, SALVADOR, PHILADELPHIA CHILD GUID CLINIC, 1700 BAINBRIDGE STREET, PHILADELPHIA, PA. Families of children with psychosomatic problems.
- RO1MH-21337-02 (CPP) KLEIN, DONALD F, HILLSIDE HOSPITAL, 75-59 263RD STREET, GLEN OAKS, N. Y. Drugs in the aftercare treatment of schizophrenia.
- RO1MH-21344-02 (MHS) WINSBERG, BERTRAND G, 524 CLARKSON AVENUE, BROOKLYN, N. Y. Home vs hospital care of behavior disordered children.
- RO1MH-21350-01 (CPR) KRIPKE, DANIEL F, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Circadian rhythm uncoupling and affect disease.
- RO1MH-21384-03 (MHP) LOWN, BERNARD, HARVARD SCHOOL OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Psychologic and neural factors in cardiac arrhythmias (dogs, human).
- RO1MH-21403-02 (NP) DI CARA, LEO V, UNIV OF MICHIGAN, 3014 ADMINISTRATION BUILDING, ANN ARBOR, MICH. Instrumental learning of cardiovascular responses (monkeys, mice, rats).
- RO1MH-21413-03 (PHBA) BRIMJOIN, WILLIAM S, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Enzyme induction and transport in adrenergic nerves (human, animals).
- RO1MH-21415-01 (JP) CROCKETT, STANLEY, COLLABORATIVE CHANGE, INC, 4530 HALF MARYLAND STREET, SAN DIEGO, CALIF. Mental health and poor families communications.
- RO1MH-21423-03 (DBR) STEPHENS, MARK W, PURDUE UNIVERSITY, DEPT OF PSYCHOLOGY, LAFAYETTE, IND. Locus of control and intellectual development (children).
- RO1MH-21452-03 (CD) STUART, RICHARD B, UNIVERSITY OF MICHIGAN, 1065 FRIEZE BLDG, ANN ARBOR, MICH. Contingency contracting in treatment of delinquents.
- RO3MH-21481-01 (MHS) VERSACE, JOHN M, NEW COMMUNITY SCHOOLS, INC, 2625 17TH STREET, N.E., WASHINGTON, D. C. Development of youth-directed multi-service center.
- RO1MH-21539-03 (PPR) YASUNOBU, KERRY T, UNIVERSITY OF HAWAII, 2538 THE MALL, SNYDER HALL 401, HONOLULU, HAWAII. Chemistry and mechanism of action of monoamine oxidase (cattle).
- RO1MH-21563-02 (NP) SCLAFANI, ANTHONY, BROOKLYN COLL OF THE C U N Y, DEPT OF PSYCHOLOGY, BROOKLYN, N. Y. Hypothalamic regulation of ingestive behavior (rats).
- RO1MH-21568-03 (SP) FODOR, EUGENE M, CLARKSON COLL OF TECHNOLOGY, DEPT OF SOCIAL SCIENCES, POTSDAM, N. Y. Group stress and the use of power.
- RO1MH-21574-02 (ESR) KREISMAN, DOLORES E, COMMUNITY RESEARCH PROGRAM, 537 LA GUARDIA PLACE, NEW YORK, N. Y. Symptom tolerance and recidivism (human).
- RO1MH-21577-02 (PPR) THOR, DONALD H, E R JOHNSTON TR & RESEARCH CEN, BORDENTOWN, N. J. Behavior control of drug-induced aggression (rats).
- RO1MH-21584-03 (PPR) PALMER, EUGENE C, UNIV OF NEW MEXICO SCH OF MED, 915 STANFORD DRIVE N E, ALBUQUERQUE, N. MEX. Modification of cAMP response in neurons and glia (rats).
- PO1MH-21586-02 (MHP) FIEVE, RONALD R, 722 WEST 168TH STREET, NEW YORK, N. Y. Biogenetic studies of the affective disorders.
- RO1MH-21628-02 (CPR) ULLMAN, MONTAGUE, MAIMONIDES MEDICAL CENTER, 4802 TENTH AVENUE, BROOKLYN, N. Y. Comparison of pre-sleep and extrasensory stimuli in dreams.
- RO1MH-21632-01 (EPR) JOHNSTON, WILLIAM A, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Information processing analysis of human memory.
- RO1MH-21638-03 (PPR) WILK, SHERWIN, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVE, NEW YORK, N. Y. Psychotropic drugs and brain norepinephrine metabolism (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1MH-21643-01 (MHS) BEIGEL, ALLAN, SOUTHERN ARIZONA MENT HLTH CTR, 1930 EAST SIXTH STREET, TUCSON, ARIZ. Therapeutic effectiveness of halfway house program.
- RO1MH-21644-02 (SSR) LEVINE, JOHN M, UNIVERSITY OF PITTSBURGH, 427 LANGLEY HALL, PITTSBURGH, PA. Group reaction to a shifting attitudinal deviate.
- RO1MH-21649-03 (MHS) ZUSMAN, JACK, E J MEYER MEMORIAL HOSPITAL, 462 GRIDER STREET, BUFFALO, N Y. Quality evaluation of mental health services.
- RO1MH-21675-01 (NP) ADAMS, DAVID B, WESLERAN UNIVERSITY, DEPT OF PSYCHOLOGY, MIDDLETOWN, CONN. Brain mechanisms of intraspecific fighting in the rat.
- RO1MH-21708-02 (MHS) TAYLOR, ELAINE N, HUMRRO-DIVISION 3, BOX 5787, MONTEREY, CALIF. Assessing relevance of indirect services in schools.
- RO1MH-21724-02 (ESR) COLE, JOHN D, DUKE UNIVERSITY, DEPT OF PSYCHOLOGY, DURHAM, N C. Sub-cultural conceptions of mental illness.
- RO1MH-21730-03 (PPR) RAJAN, KRISHNASWAMY S, IIT RESEARCH INSTITUTE, 10 WEST 35TH STREET, CHICAGO, ILL. Role of metal chelates in biogenic amine activity.
- RO1MH-21735-03 (SSR) BEAM, SANDRA L, STANFORD UNIVERSITY, DEPT OF PSYCHOLOGY, STANFORD, CALIF. The behavioral consequences of androgyny (human).
- RO1MH-21741-01 (NP) JACKSON, WILLIAM J, MEDICAL COLLEGE OF GEORGIA, DIV OF NEUROBEHAVIORAL SCIEN, AUGUSTA, GA. Oporant conditioning of hippocampal EEG (cats).
- RO1MH-21742-02 (MHS) BELLIN, SEYMOUR S, SOCIOLOGY DEPARTMENT, TUFTS UNIVERSITY, MEDFORD, MASS. Citizen evaluation of community mental health center services.
- RO1MH-21747-02 (PCR) ATKINSON, RICHARD C, STANFORD UNIVERSITY, DEPT OF PSYCHOLOGY, STANFORD, CALIF. Memory search and decision processes.
- RO1MH-21789-02 (SSR) NELSON, STEPHEN D, UNIVERSITY OF MICHIGAN, 426 THOMPSON STREET, ANN ARBOR, MICH. Definitional processes in planning social change.
- RO1MH-21795-02 (PCR) HUNT, EARL B, UNIVERSITY OF WASHINGTON, PSYCHOLOGY DEPT DH-50, SEATTLE, WASH. Individual differences in cognition.
- RO1MH-21803-02 (CPR) LOVAAS, O IVAR, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Behavioral treatment of childhood gender problems.
- RO1MH-21805-02 (PPR) RICHELSON, ELLIOTT, JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Psychotropic drugs, catecholamines and nerve cultures (rats, mice).
- RO1MH-21811-01 (MHS) MAZER, MILTON, MARTHA'S VINEYARD MH CENTER, P O BOX 634, EDGARTOWN, MASS. Human predicaments and human services.
- RO1MH-21813-03 (JP) O'LEARY, K DANIEL, STATE UNIVERSITY OF NEW YORK, PSYCHOLOGY DEPARTMENT, STONY BROOK, N Y. Behavior therapy-Professional and paraprofessional.
- RO1MH-21853-03 (CD) HARRIS, VIRGIL W, SOUTHWEST INDIAN YOUTH CENTER, BOX 2266, TUCSON, ARIZ. Rehabilitation program for delinquent Indian youth.
- RO1MH-21854-02 (SSR) BERLANGER, HOWARD S, UNIVERSITY OF WISCONSIN, DEPT OF SOCIOLOGY, MADISON, WIS. Social antecedents of acts of interpersonal violence.
- RO1MH-21863-02 (SUP) JACOBSON, GEBALD F, LOS ANGELES PSYCHIATRIC SERVIC, 8770 WHITWORTH DRIVE, LOS ANGELES, CALIF. Relation of suicide to marital separation and divorce.
- RO1MH-21874-03 (PPR) HARTMAN, BOYD K, WASHINGTON UNIVERSITY, 4940 ALDUBON AVENUE, ST LOUIS, MO. Brain specific MAO-Characterization and localization (monkeys).
- RO1MH-21875-03 (PPR) HOWARD, BRUCE D, UNIVERSITY OF CALIFORNIA, UCLA SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Biochemical studies of brain synapse regions (rats).
- RO1MH-21890-02 (CPP) SLOVE, DENNIS, BOSTON COLLEGE DRUG SURVEY PRO, 400 TOTTEN POND ROAD, WALTHAM, MASS. Intensive inpatient psychiatric monitoring program.
- RO1MH-21892-02 (CPR) MC KINNEY, WILLIAM T, JR, UNIVERSITY OF WISCONSIN, 427 LORCH STREET, MADISON, WIS. Biochemical studies of depression in primate models.
- RO1MH-21895-02 (EPR) WALLACE, WILLIAM P, UNIVERSITY OF NEVADA, DEPARTMENT OF PSYCHOLOGY, RENO, NEV. Discrimination of event frequency-A power of memory.
- RO1MH-21896-01 (PCR) EISENMAN, PETER D, INST FOR ARCH/URBAN STUDIES, 8 WEST 40TH STREET, NEW YORK, N Y. Program in generative design.
- RO1MH-21911-02 (MHS) PATTERSON, CHARLES M, UTAH DIVISION OF MENTAL HEALTH, 520 EAST 400 SOUTH, SALT LAKE CITY, UTAH. Utah mental health information diffusion agent.
- RO1MH-21912-03 (MHS) EDWARDS, ALLAN E, WADSWORTH HOSPITAL, 619/183, LOS ANGELES, CALIF. TV, a therapeutic tool for the institutionalized aged.
- RO1MH-21929-02 (SSR) DANIELS, ARLINE K, SCIENTIFIC ANALYSIS CORP, 4339 CALIFORNIA STREET, SAN FRANCISCO, CALIF. Volunteerism in the lives of women.
- RO1MH-21934-02 (CPP) SHEARD, MICHAEL H, CONNECTICUT MENTAL HEALTH CTR, 34 PARK ST, NEW HAVEN, CONN. Lithium and aggressive behavior (human).
- RO1MH-21950-03 (CD) PUPCZAK, JAMES A, INST FOR BEHAVIORAL RES, INC, 2429 LINDEN LANE, SILVER SPRING, MD. PICA research, extension and practice (PREP) (human).
- RO1MH-21978-03 (PPR) VOGEL, WOLFGANG H, THOMAS JEFFERSON UNIVERSITY, 1020 LOCUST STREET, PHILADELPHIA, PA. Pharmacology of methylated norepinephrine derivatives (rats).
- RO1MH-21979-02 (EPR) ARCHER, E JAMES, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF RHODE ISLAND, KINGSTON, R I. Verbal mediation in problem solving.
- RO1MH-21989-03 (CPR) WITKIN, HEEMAN A, EDUCATIONAL TESTING SERVICE, DIV OF PSYCHOLOGICAL STUDIES, PRINCETON, N J. Studies of psychological differentiation (human).
- RO1MH-22009-02 (EPR) PARKS, THEODORE E, UNIVERSITY OF CALIFORNIA, PSYCHOLOGY DEPARTMENT, DAVIS, CALIF. Short-term visual memory.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1MH-22010-01 (SSR) ALVBERSON, HOYT S, DEPARTMENT OF ANTHROPOLOGY, DARTMOUTH COLLEGE, HANOVER, N H. Reactions to racism.
- RO1MH-22012-03 (SSR) BERLIN, BRENT, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANTHROPOLOGY, BERKELEY, CALIF. Field research in cognitive anthropology (Peru).
- RO1MH-22019-02 (CPP) BONATO, ROLAND R, GEORGE WASHINGTON UNIVERSITY, 11501 HUFF COURT, KENSINGTON, MD. Psychotropic drug assessment (human).
- RO1MH-22035-01 (MHSR) MORALES, ARMANDO, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Ethnic survey program.
- RO1MH-22081-02 (EPR) STELMACH, GEORGE R, UNIVERSITY OF WISCONSIN, 2000 OBSERVATORY DRIVE, MADISON, WIS. Rehearsal and recognition in kinesthetic memory.
- RO1MH-22090-01 (MHSR) MC KINNEY, HEEMAN L, UNIVERSITY OF WASHINGTON, 1 ADMINISTRATION BLDG AD-30, SEATTLE, WASH. The mental health of Blacks and Asian Americans.
- RO1MH-22114-03 (PPR) WINTERS, WALLACE D, UNIVERSITY OF CALIF, SCHOOL OF MEDICINE, DAVIS CALIF. Behavioral and electrical actions of CNS drugs (cats, rats).
- RO1MH-22127-02 (PCR) DE CHARMS, RICHARD, WASHINGTON UNIVERSITY, BOX 1183, ST LOUIS, MO. Personal causation and development of responsibility.
- RO1MH-22149-02 (CPP) CALLAWAY, ENOCH, LANGLEY PORTER NEUROPSYCH INST, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Effects of amphetamine on children.
- RO1MH-22153-02 (EPR) RILEY, DONALD A, UNIVERSITY OF CALIFORNIA, INSTITUTE OF HUMAN LEARNING, BERKELEY, CALIF. Information processing and attention (pigeons).
- RO1MH-22156-02 (SP) BALSWICK, JACK O, UNIVERSITY OF GEORGIA, SOCIOLOGY DEPARTMENT, ATHENS, GA. The inexpressive male (human).
- RO1MH-22212-01 (JP) DIGMAN, JOHN M, UNIVERSITY OF HAWAII, 2430 CAMPUS ROAD, HONOLULU, HAWAII. Adolescent and adult outcomes and child behavior.
- RO1MH-22215-02 (MHS) PRYER, RONALD S, CENTRAL LOUISIANA STATE HOSP, P O BOX 31, PINEVILLE, LA. Evaluation of comprehensive program for adolescents.
- RO1MH-22249-02 (SSR) STEPHAN, WALTER G, UNIVERSITY OF TEXAS, 211 MEZES HALL, AUSTIN, TEX. Desegregation and prejudice.
- RO1MH-22294-02 (SSR) SCHUBSSLER, KARE F, INDIANA UNIVERSITY, DEPT OF SOCIOLOGY, BLOOMINGTON, IND. Measuring morale and related concepts.
- RO1MH-22296-02 (PCR) TURSKY, BERNARD, STATE UNIVERSITY OF NEW YORK, STONY BROOK, N Y. Variables influencing pain produced by electric shock (human).
- RO1MH-22299-01 (PCR) AYERLL, JAMES R, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Anticipatory coping and stress responses (human).
- RO1MH-22316-02 (EPR) WILEY, R HAVEN, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF ZOOLOGY, CHAPEL HILL, N C. Comparative study of social behavior (birds).
- RO1MH-22319-02 (CPR) WOOLEY, ORLAND W, CINCINNATI GENERAL HOSPITAL, PSYCHIATRY DEPT, N-3, CINCINNATI, OHIO. External and internal factors in food regulation.
- RO1MH-22322-02 (SUP) BRAUCHT, GEORGE N, DENVER DEPT OF HEALTH & HOSPS, WEST EIGHT AVE & CHEROKEE ST, DENVER, COLO. Typological description of suicidal behavior.
- RO1MH-22336-02 (MHS) RAPPAPORT, JULIAN, CHILDREN'S RES CTR BUILDING, 51 EAST GERTY DRIVE, CHAMPAIGN, ILL. College students in mental health service projects.
- RO1MH-22340-02 (PPR) THOMPSON, DONALD M, GEORGETOWN UNIVERSITY, 3900 RESERVOIR RD, N W, WASHINGTON, D C. New method for studying drug effects on learning (pigeons).
- RO1MH-22350-02 (CD) ERICKSON, MAYNARD L, UNIVERSITY OF ARIZONA, DEPT OF SOCIOLOGY, TUCSON, ARIZ. Measures of delinquency and community tolerance.
- RO1MH-22350-02 (MHS) COHEN, ROBERT, JEFFERSON BUILDING, 204 EAST JEFFERSON STREET, SYRACUSE, N Y. Bridge program-Year-round psycho-educational program.
- RO1MH-22366-02 (PCR) FRANKS, JEFFERY J, VANDERBILT UNIVERSITY, DEPT OF PSYCHOLOGY, NASHVILLE, TENN. Memory for words in sentences.
- RO1MH-22370-02 (MHS) ROGENESS, GRAHAM A, KATHERINE WRIGHT CLINIC, 923 W WELLINGTON, CHICAGO, ILL. School intervention program.
- RO1MH-22383-01 (EPR) BIEDERMAN, IRVING, DEPARTMENT OF PSYCHOLOGY, STATE UNIV OF NEW YORK BUFFALO, BUFFALO, N Y. Perceptual recognition of real-world scenes.
- RO1MH-22407-02 (MP) SCLAR, ELLIOTT D, BRANDEIS UNIVERSITY, FLORENCE HELLER GRAD SCHOOL, WALTHAM, MASS. Intra-urban migration determinants-Boston 1870-1970.
- RO1MH-22424-02 (SSR) ZANNA, MARK P, PRINCETON UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, PRINCETON, N J. The causes and consequences of credibility in TV news.
- RO1MH-22438-02 (CPR) ROBERTS, EUGENE, CITY OF HOPE NATIONAL MED CTR, 1500 E DUARTE ROAD, DUARTE, CALIF. The GABA system in schizophrenia (Drosophila, mice, human).
- RO3MH-22532-01 (MSM) STRUPP, HANS M, DEPARTMENT OF PSYCHOLOGY, VANDERBILT UNIVERSITY, NASHVILLE, TENN. Voluntary control of respiratory resistance (human).
- RO1MH-22560-01 (JP) BENSEN, JACK F, UNIVERSITY OF MIAMI, CORAL GABLES, FLA. Parent training in preprimary behavioral competence.
- RO1MH-22563-01 (MHS) GARRISON, VIVIAN, BROOK STATE HOSPITAL - WARD 16, 1500 WATERS PLACE, BRONX, N Y. Folk healers and community mental health programming.
- RO1MH-22566-01 (SP) KAHN, ROBERT L, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Depression and memory function in the aged.
- RO1MH-22560-01 (PCR) GHOLSON, BARRY, HUNTER COLLEGE OF C U N Y, 695 PARK AVENUE, NEW YORK, N Y. Developmental learning and problem solving (human).
- RO1MH-22570-02 (PPR) GEBALD, MICHAEL C, OHIO STATE UNIVERSITY, 500 W 12TH AVENUE, COLUMBUS, OHIO. Amphetamine tolerance-Central and peripheral studies (rodents).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1MH-22575-01 (SP) SUSSMAN, MARVIN B, HAYDN HALL, 11118 BELLFLOWER ROAD, CLEVELAND, OHIO. Divorce, role and health status and service systems.
- RO1MH-22590-02 (JP) ROUCHE, JOHN E, UNIVERSITY OF TEXAS AT AUSTIN, AUSTIN, TEX. Impact of instruction and counseling of youth.
- RO3MH-22608-01 (MSM) LAWSON, WILLIAM B, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF ILLINOIS, CHAMPAIGN, ILL. Mouth fluid environment and taste preference (rats).
- RO1MH-22640-02 (EPR) ROSENBLUM, LEONARD A, SUNY-DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N Y. Regulation of primate behavior.
- RO1MH-22640-02 0001 (EPR) ROSENBLUM, LEONARD A. Regulation of primate behavior-Development of sexual behavior in the male pigtail macaque.
- RO1MH-22640-02 0002 (EPR) ROSENBLUM, LEONARD A. Regulation of primate behavior-Effect of menstrual cycle on sexual interactions in pigtail and bonnet macaques.
- RO1MH-22640-02 0003 (EPR) ROSENBLUM, LEONARD A. Regulation of primate behavior-Hormones and sexual behavior in bonnet and pigtail macaques.
- RO1MH-22640-02 0004 (EPR) ROSENBLUM, LEONARD A. Regulation of primate behavior-Interspecific mating (bonnet and pigtail macaques).
- RO1MH-22644-02 (MHS) TAPP, JACK T, SUICIDE PREV/CRISIS SERVICE, 560 MAIN STREET - SUITE 405, BUFFALO, N Y. Volunteer phone counselors-A study of altruists.
- RO1MH-22659-02 (CPP) LONEY, JAN P, CHILD PSYCHIATRY SERVICE, 500 NEWTON ROAD, IOWA CITY, IOWA. Treating minimal brain dysfunction and hyperactivity (human).
- RO1MH-22640-01 (SP) MOROAN, JAMES N, P O BOX 1248, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Effects of aging on housing and living arrangements.
- RO1MH-22682-03 (MHS) WEHRLI, PAUL F, UNIV OF SOUTHERN CALIFORNIA, 1200 NORTH STATE STREET, LOS ANGELES, CALIF. Demonstration-Mental Health Program-Jr High Schools.
- RO1MH-22683-02 (MHS) BERGER, DAVID G, HUMAN INTERACTION RES INST, 10889 WILSHIRE BLVD SUITE 610, LOS ANGELES, CALIF. Knowledge transfer in mental health services.
- RO1MH-22719-03 (MHSR) MILLER, DOROTHY L, SCIENTIFIC ANALYSIS CORP, 4339 CALIFORNIA STREET, SAN FRANCISCO, CALIF. Native American children-The urban way.
- RO1MH-22720-02 (PCR) WILLOUGHBY, ROBERT H, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF PSYCHOLOGY, AMHERST, MASS. Altruistic behavior in children.
- RO1MH-22742-02 (SP) LAWRENCE, HARRY, UNIVERSITY OF MICHIGAN, 2550A FRIEZE BLDG, ANN ARBOR, MICH. Group work in treatment of adults.
- RO1MH-22743-02 (SSR) CARTWRIGHT, DORWIN P, UNIVERSITY OF MICHIGAN, P O BOX 1248, ANN ARBOR, MICH. Structural properties of social phenomena.
- RO1MH-22745-02 (PPR) MYOBEK, MARY J, COLL OF MED & DENT OF NEW JERS, 100 BERGEN STREET, NEWARK, N J. Brain-liver interrelationship in barbiturate tolerance (rats).
- RO1MH-22749-02 (CPR) GILL, MERTON M, UNIVERSITY OF ILLINOIS, P, CHICAGO, ILL. Patient-therapist interaction in psychoanalysis.
- RO1MH-22750-02 (CPR) MARTIN, BARCLAY, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PSYCHOLOGY, CHAPEL HILL, N C. Modification of family interaction.
- R12MH-22761-02 (MHS) WILNER, DANIEL M, SCH PUB HLTH - U OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Mental health evaluations-Analysis and dissemination.
- RO1MH-22763-01 (MP) MELBIN, MURRAY, DEPARTMENT OF SOCIOLOGY, BOSTON UNIVERSITY, BOSTON, MASS. The incassant community.
- RO1MH-22768-02 (PPR) STONE, ERIC A, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Neurochemical and behavioral effects of severe stress (rats).
- RO1MH-22799-01 (SP) CLINE, VICTOR B, 717 BEHAVIORAL SCIENCE BLDG, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Evaluating marriage counseling intervention strategies.
- RO1MH-22803-02 (PCR) BMDR, ROBERT N, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Social-affective development in infancy (human).
- RO1MH-22807-01 (MHS) GUERNEY, BERNARD G, JR, PENNSYLVANIA STATE UNIVERSITY, CATHERINE BEECHER HOUSE, UNIVERSITY PARK, PA. An experimental evaluation of a PARD program.
- RO1MH-22808-02 (MHS) DEAST, LELA C, FLORIDA STATE UNIVERSITY, ROOM 260 BELLAMY BUILDING, TALLAHASSEE, FLA. Legislative change and rural/urban MH delivery systems.
- RO1MH-22834-02 (MHSR) LEYBA, CHAELES F, 1031 ROSECRANS STREET, SUITE 215A, FULLERTON, CALIF. Mexican-American matriculation and retention rates (universities).
- PO1MH-22836-02 (MHP) WYNNE, LYMAN C, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Children and families vulnerable to mental disorders.
- RO1MH-22840-02 (CPR) SCHACHTER, JOSEPH, PITTSBURGH CHILD GUIDANCE CTR, 201 DE SOTO STREET, PITTSBURGH, PA. Deviant development of infants of schizophrenics.
- RO1MH-22856-03 (MHS) FARMELE, ARTHUR M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, LOS ANGELES, CALIF. Preparing children for hospitalization.
- RO1MH-22881-02 (EPR) SILBERBERG, ALAN M, AMERICAN UNIVERSITY, MASS & NEBRASKA AVENUES, N W, WASHINGTON, D C. Choice behavior (pigeons).
- RO1MH-22883-02 (SP) CSIKSZENTMIHALYI, MIHALY, UNIVERSITY OF CHICAGO, 5730 SOUTH WOODLAWN AVENUE, CHICAGO, ILL. Role of autotelic experiences in adult development.
- RO1MH-22884-02 (SSR) WOOD, JAMES R, INDIANA UNIVERSITY, BALLANTINE HALL, BLOOMINGTON, IND. Organizational control and social change.
- RO1MH-22890-02 (MHS) SALZINGER, KURT, NEW YORK STATE PSYCHIAT INST, 722 WEST 168TH STREET, NEW YORK, N Y. Behavior modification-Evaluating effects on patients.
- RO1MH-22891-02 (MHS) ROTHMAN, ESTHER P, CITIZENS COMM FOR CHILDREN / NY, 112 EAST 19 STREET, NEW YORK, N Y. Crisis intervention by the use of telephone therapy.
- RO1MH-22915-02 (ESR) REMINGTON, RICHARD D, UNIVERSITY OF TEXAS, BOX 20186, HOUSTON, TEX. Detection of behavior outbreaks with community data.
- PO1MH-22916-02 (MHP) GOLDBERGER, LEO, NEW YORK UNIVERSITY, 4 WASHINGTON PLACE, 4TH FLOOR, NEW YORK, N Y 10003. Personality and psychotherapy.
- PO1MH-22916-02 0001 (MHP) SPENCE, DONALD P. Personality and psychotherapy-Verbal and autonomic studies of clinical judgment.
- PO1MH-22916-02 0002 (MHP) WOLITZKY, DAVID. Personality and psychotherapy-Clinical inference.
- PO1MH-22916-02 0005 (MHP) GOLDBERGER, LEO. Personality and psychotherapy-Task vs social orientation.
- PO1MH-22916-02 0006 (MHP) DAHL, HARTVIG. Personality and psychotherapy-Quantitative studies of psychoanalytic protocols.
- PO1MH-22916-02 0007 (MHP) SILVERMAN, LLOYD. Personality and psychotherapy-Dynamic and behavioral psychotherapy.
- PO1MH-22916-02 0008 (MHP) GOLDBERGER, LEO. Personality and psychotherapy-Patient variables related to psychotherapy.
- RO1MH-22922-02 (MHS) LAZARE, AARON, MASSACHUSETTS GENERAL HOSPITAL, DEPARTMENT OF PSYCHIATRY, BOSTON, MASS. The psychiatric outpatient as a customer.
- RO1MH-22923-03 (JP) BLUME, FRANK R, UNIVERSITY OF REDLANDS, 1200 EAST COLTON, REDLANDS, CALIF. Correlates of success in experimental college.
- RO1MH-22929-02 (MP) SCHECHTER, ALAN H, DEPT OF POLITICAL SCIENCE, WELLESLEY COLLEGE, WELLESLEY, MASS. Suburban reactors and the politics of suburban housing.
- RO1MH-22939-02 (MHSR) GUINN, VIRGIL, COLVILLE CONFEDERATED TRIBES, P O BOX 150, NESPELEM, WASH. Indian student performance-A multivariate study.
- RO1MH-22995-02 (JP) WATTS, JEAN C, HARVARD GRAD SCH OF EDUCATION, 420 LARSEN HALL, CAMBRIDGE, MASS. Environment and experience-Children in home/day care.
- RO1MH-22997-03 (MHS) KORET, SYDNEY, CONVALESCENT HOSP FOR CHILDREN, 2075 SCOTTSVILLE ROAD, ROCHESTER, N Y. Evaluation of children's mental health services.
- RO1MH-23007-02 (CPP) KLEIN, DONALD F, L I JEWISH-HILLSIDE MED CTR, P O BOX 38, GLEN OAKS, N Y. Imipramine behavior therapy and phobia.
- RO1MH-23008-02 (EPR) STRUNSAKER, THOMAS T, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Behavior and ecology of primates (monkeys).
- RO1MH-23011-01 (MP) LEE, MAW L, ST LOUIS REG INDUSTRIAL CORP, 10 BROADWAY, ST LOUIS, MO. Development of metropolitan growth theory.
- RO1MH-23023-03 (SOM) SOBELL, RAYMOND, DARTMOUTH MEDICAL SCHOOL, DEPT OF PSYCHIATRY, HANOVER, N H. Automobile accidents in youth-A psychosocial study.
- RO1MH-23030-02 (SP) KANTER, ROSABETH M, BRANDEIS UNIVERSITY, DEPT OF SOCIOLOGY, WALTHAM, MASS. Structure, functions, and impact on urban communes.
- RO1MH-23125-02 (MHSR) EDWARDS, OZZIE L, DETROIT URBAN LEAGUE, 208 MACK AVENUE, DETROIT, MICH. Supportive resources for black adolescent aspiration.
- RO1MH-23132-02 (SSS) SCHWARTZ, FRANCIS O, NEUROSCIENCES RESEARCH PROGRAM, 280 NEWTON STREET, BROOKLINE, MASS. Neurosciences research program.
- RO1MH-23133-02 (EPR) HARRIS, ALAN H, JOHNS HOPKINS UNIVERSITY, 720 RUTLAND AVENUE, BALTIMORE, MD. Oxygen consumption and the effects of behavioral stress (haboon).
- RO1MH-23144-02 (CD) SYKES, RICHARD E, MINNESOTA SYSTEMS RESEARCH INC, 2412 UNIVERSITY AVENUE, S E, MINNEAPOLIS, MINN. Quantitative analysis of police encounters (human).
- RO1MH-23243-02 (SSR) COLLINS, BARRY E, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Mechanisms of generalized behavior change (human).
- RO1MH-23254-01 (NP) DAVIS, WILLIAM J, ASSISTANT PROFESSOR, UNIVERSITY OF CALIFORNIA, SANTA CRUZ, CALIF. Neuronal substrates of choice and learning (gastropods).
- RO1MH-23262-02 (SP) PORTES, ALEJANDRO, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF TEXAS, AUSTIN, TEX. Assimilation of Latin American minorities in the US.
- RO1MH-23294-03 (EPR) BITTERMAN, M E, UNIVERSITY OF HAWAII, 1993 EAST-WEST ROAD, HONOLULU, HAWAII. Phylogeny of learning (nonvertebrates, birds, fish, rats, reptiles).
- RO3MH-23399-01 (MSM) KAZDIN, ALAN E, THE PENNSYLVANIA STATE UNIV, 311 MOORE BUILDING, UNIVERSITY PARK, PA. Covert modeling and therapeutic change (human).
- RO1MH-23401-01 (PCR) GLUCKSBERG, SAM, DEPARTMENT OF PSYCHOLOGY, PRINCETON UNIVERSITY, PRINCETON, N J. Communicative bases for linguistic structures.
- RO1MH-23414-02 (PPR) CONSROE, PAUL F, UNIVERSITY OF ARIZONA, DEPT PHARMACOLOGY & TOX, TUCSON, ARIZ. Central actions of hallucinogenic drugs (rabbits, rats).
- RO1MH-23417-01 (MHS) STERNE, ARTHUR L, LARUE D CARTER MEMORIAL HOSP, 1315 WEST 10TH STREET, INDIANAPOLIS, IND. Psychiatric inpatient care-Followup project.
- RO1MH-23419-02 (EPR) SOUTHWICK, CHARLES M, JOHN HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Development of aggression and predation (mice).
- RO3MH-23425-01 (MSM) TEICH, MALVIN C, COLUMBIA UNIVERSITY, NEW YORK, N Y. Mathematical formalism for interpersonal interactions (human).
- RO3MH-23426-01 (MSM) VERNADAKIS, ANTONIA O, UNIV OF COLO MEDICAL CENTER, 4200 EAST NINTH AVENUE, DENVER, COLO. Steroid hormones and RNA synthesis in neural culture (chick embryo).
- RO1MH-23433-02 (NP) JACOBS, BARRY L, PRINCETON UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, PRINCETON, N J. Role of the amygdala in behavior-Unit studies (cats).
- RO1MH-23441-01 (CPR) CASS, LORETTA K, CHILD GUIDANCE CLINIC, 369 NORTH TAYLOR AVENUE, ST LOUIS, MO. Adult adjustment predicted from childhood assessment.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1MH-23444-01 (EPR) CAPALDI, ELIZABETH D, PURDUE UNIVERSITY, DEPT OF PSYCHOLOGICAL SCIENCES, WEST LAFAYETTE, IND. Drive and reward in instrumental learning (rats).

RO1MH-23450-02 (CPR) CARTWRIGHT, ROSALIND D, UNIVERSITY OF ILLINOIS, DEPT OF PSYCHOLOGY, CHICAGO, ILL. Preparatory training program for psychotherapy.

RO1MH-23451-01 (JP) OJEMANN, RALPH M, EDUCATIONAL RESEARCH COUNCIL OF AMERICA ROCKEFELLER BUILDING, CLEVELAND, OHIO. A program for education in human behavior.

RO1MH-23453-01 (MHS) BRUSILOFF, PHYLLIS, JEWISH BOARD OF GUARDIANS, 120 WEST 57TH STREET, NEW YORK, N.Y. Therapeutic group project for day care centers.

RO1MH-23464-02 (PPR) MANSOUR, TAG E, STANFORD UNIVERSITY, DEPT OF PHARMACOLOGY, STANFORD, CALIF. Biochemistry of psychopharmacological agents (liver flukes, lobsters, mammals).

RO1MH-23467-01 (SSR) HAMMOND, JOHN L, JR, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N.Y. Impact of religious belief on voting behavior.

RO1MH-23468-01 (SSR) RUBIN, LILLIAN B, THE WRIGHT INSTITUTE, 2728 DURANT AVENUE, BERKELEY, CALIF. Women's liberation—is the definition class-bound?

RO1MH-23469-01 (SSR) COHEN, ELIZABETH, SCHOOL OF EDUCATION, STANFORD UNIVERSITY, STANFORD, CALIF. Changing competence expectations of low status youth (United States, Israel).

RO3MH-23474-01 (MSM) LIPSEY, MARK W, CLAREMONT GRADUATE SCHOOL, CLAREMONT, CALIF. Survey of scientific values among psychologists.

RO1MH-23505-03 (PCR) GLEITMAN, LILA R, UNIVERSITY OF PENNSYLVANIA, 3700 WALNUT STREET, PHILADELPHIA, PA. The acquisition of linguistic structure (human).

RO1MH-23511-01 (EPR) POUTS, ROGER S, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF OKLAHOMA, NORMAN, OKLA. Primate communication using a human language (ASL).

RO1MH-23516-02 (CD) KAPLAN, MARTIN F, NORTHERN ILLINOIS UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, DE KALB, ILL. Information integration in juror judgments.

RO1MH-23527-02 (SSR) GOETHALS, GEORGE R, DEPARTMENT OF PSYCHOLOGY, WILLIAMS COLLEGE, WILLIAMSTOWN, MASS. Role of similarity in social influence processes.

RO1MH-23533-01 (EPR) ADER, ROBERT, DEPARTMENT OF PSYCHIATRY, UNIV OF ROCHESTER MED CENTER, ROCHESTER, N.Y. Early experience, development, and adaptation (rats, mice).

RO1MH-23538-02 (MHS) MC NELEY, JAMES K, RAMAH NAVAJO SCHOOL BOARD, INC, P O BOX 248, RAMAH, N.MEX. Raman Navajo school social services.

RO1MH-23542-02 (SSR) ROSEN, BERNARD C, CORNELL UNIVERSITY, DEPT OF SOCIOLOGY, ITHACA, N.Y. Structural origins of sex differences in achievement (England).

RO1MH-23543-01 (SSR) ROTHMAN, DAVID J, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N.Y. Incarceration in 20th century America.

RO1MH-23548-01 (CPR) HEATH, ROBERT G, DEPARTMENT OF PSYCHIATRY, TULANE UNIV SCHOOL OF MEDICINE, NEW ORLEANS, LA. Immune concept of schizophrenia.

RO1MH-23556-02 (PCR) CAMPOS, JOSEPH J, UNIVERSITY OF DENVER, BEHAVIOR DEVELOPMENT LAB, DENVER, COLO. Infant physiological and behavioral fear expression (human, cats).

RO1MH-23563-01 (PCR) CASTELLAN, N JOHN, JR, DEPARTMENT OF PSYCHOLOGY, INDIANA UNIVERSITY, BLOOMINGTON, IND. Multiple-cue probability learning and judgement.

RO1MH-23580-01 (CPR) TENNES, KATHERINE H, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Cortisol excretion rates and stress in infants (human).

RO1MH-23593-01 (SSR) BARNES, SAMUEL H, INSTITUTE FOR SOCIAL RESEARCH, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Changing mass publics of advanced industrial society.

RO1MH-23600-01 (MHS) RIVLIN, LEANNE G, ENVIRONMENTAL PSYCHO PRO CURY, 33 WEST 42ND STREET, NEW YORK, N.Y. Day care centers—A comparative and evaluative study.

RO1MH-23604-02 (MHS) MARTIN, EVA L, 2319 BRIARWOOD PLAZA, NORTH, APT 302 C, TOPEKA, KANS. Self survey of the black community of Topeka, Kansas.

RO1MH-23607-02 (EPR) BROWN, JUDSON S, UNIVERSITY OF OREGON, DEPT OF MEDICAL PSYCHOLOGY, PORTLAND, OREG. Experimental masochism and allied phenomena (rats).

RO1MH-23609-01 (MHS) WEINBERGER, BETTY K, PAR LEADERSHIP TRAINING FDN, 502 JACKSON, GLENCOE, ILL. Parents as resource television project.

RO1MH-23612-02 (PCR) HUMPHREYS, LLOYD G, UNIVERSITY OF ILLINOIS, 425 PSYCHOLOGY BUILDING, CHAMPAIGN, ILL. Prediction of advanced academic performance.

RO1MH-23615-02 (MP) VIETORISZ, THOMAS, RES CTR FOR ECONOMIC PLANNING, 80 FIFTH AVENUE, ROOM 505, NEW YORK, N.Y. Earned family income and urban crisis.

RO1MH-23626-01 (EPR) CAUL, WILLIAM F, DEPARTMENT OF PSYCHOLOGY, VANDERBILT UNIVERSITY, NASHVILLE, TENN. Variables affecting heart rate and behavior (rats).

RO1MH-23628-02 (CPR) STILSON, DONALD W, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Psychophysics of muscle tension in mental patients.

RO1MH-23642-02 (PCR) MEREDITH, WILLIAM, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, BERKELEY, CALIF. Some genetic and social factors in cognitive traits.

RO1MH-23645-02 (EPR) HAMBURG, DAVID A, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Behavior-hormone changes in adolescence.

RO1MH-23645-02 0001 (EPR) HAMBURG, DAVID A. Behavior-hormone changes in adolescence—Natural environment (chimpanzee).

RO1MH-23645-02 0002 (EPR) HAMBURG, DAVID A. Behavior-hormone changes in adolescence—Aggression, submission and reassurance (chimpanzee).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1MH-23645-02 0003 (EPR) HAMBURG, DAVID A. Behavior-hormone changes in adolescence—Sexual behavior patterns (chimpanzee).

RO1MH-23645-02 0004 (EPR) HAMBURG, DAVID A. Behavior-hormone changes in adolescence—Attachment patterns (chimpanzee).

RO1MH-23645-02 0005 (EPR) HAMBURG, DAVID A. Behavior-hormone changes in adolescence—Behavioral observational techniques (chimpanzee).

RO1MH-23645-02 0006 (EPR) HAMBURG, DAVID A. Behavior-hormone changes in adolescence—Biochemical techniques (chimpanzee).

RO1MH-23646-02 (MHS) MILLER, KENT S, INSTITUTE FOR SOCIAL RESEARCH, THE FLORIDA STATE UNIVERSITY, TALLAHASSEE, FLA. Correlates of preventive activities in CMHCS.

RO3MH-23653-01 (MSM) PIRCH, JAMES H, UNIV OF TEXAS MEDICAL BRANCH, GALVESTON, TEX. Drugs, arousal and brain steady potential responses (rats).

RO3MH-23657-01 (MSM) WARREN, DAVID M, UNIV OF CALIFORNIA, DEPT OF PSYCHOLOGY, RIVERSIDE, CALIF. Visual-auditory factors in early reading ability.

RO1MH-23664-02 (MP) KLEIN, DONALD C, COMMUNITY RES & ACTION LAB INC, 116 WILDE LAKE VILLAGE GREEN, COLUMBIA, MD. Teenage youth in new town setting.

RO1MH-23676-02 (SSR) WHYTE, WILLIAM F, CORNELL UNIVERSITY, STATE SCH - INDUST - LABOR REL, ITHACA, N.Y. Employee participation in ownership and management (Peru).

RO1MH-23685-02 (PPR) CLARK, FOGLE C, DEPT OF PSYCHOLOGY, UNIV OF MISSISSIPPI, UNIVERSITY, MISS. Drug-schedule interactions and intercurrent behavior (rats, squirrels).

RO1MH-23699-02 (MHS) LE COMPTE, GARE, NY-PENN HEALTH MGT CORP, 306 PRESS BUILDING, BINGHAMTON, N.Y. Model for urban/rural mental health system.

RO1MH-23709-02 (JP) RIVLIN, LEANNE G, CITY UNIVERSITY OF NEW YORK, 1411 BROADWAY, NEW YORK, N.Y. Environmental settings for open education.

RO1MH-23742-02 (CD) THORNBERRY, TERENCE P, UNIVERSITY OF PENNSYLVANIA, 3718 LOCUST STREET, ROOM 203, PHILADELPHIA, PA. Release of dangerous mental patients—Dixon case.

RO1MH-23755-01 (SP) BRODY, ELAINE M, PHILADELPHIA GERIATRIC CTR, 5301 OLD YORK ROAD, PHILADELPHIA, PA. Longitudinal study—Intermediate housing for elderly.

RO1MH-23767-01 (EPR) WEINTRAUB, DANIEL J, HUMAN PERFORMANCE CENTER, PERRY BLDG 330 PACKARD ROAD, ANN ARBOR, MICH. Contour and context in visual pattern perception.

RO1MH-23770-01 (SP) PETERSON, MARVIN W, INSTITUTE FOR SOCIAL RESEARCH, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. White universities' response to black students' entry.

RO1MH-23775-01 (MHS) LIEBERMAN, STEVEN D, YOUTH ADVOCATES, INC, 3830 JUDAH STREET, SAN FRANCISCO, CAL. Huckleberry house youth service center.

RO1MH-23706-01 (MP) GREENSTONE, J DAVID, NATIONAL OPINION RES CENTER, 6030 ELLIS AVENUE, CHICAGO, ILL. Changing urban family roles.

RO1MH-23793-01 (MHS) WOLINS, MARTIN, U OF CALIF STUDY CTR, HEBREW UNIVERSITY-MT SCOPUS CA, JERUSALEM, ISRAEL. Rejuvenating the asylum (children).

RO1MH-23806-01 (SSR) TREIMAN, DONALD, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N.Y. Correlates and consequences of ethnicity in the US.

RO1MH-23809-02 (EPR) SADE, DONALD S, NORTHWESTERN UNIVERSITY, DEPARTMENT OF ANTHROPOLOGY, EVANSTON, ILL. Sociometrics of primates (Rhesus monkeys).

RO1MH-23810-01 (MHS) BROTMAN, RICHARD E, DIV OF COMMUN MH-NY MED COL, 5 EAST 102ND STREET, NEW YORK, N.Y. An interagency system to deliver human services.

RO1MH-23814-02 (MP) GANS, HERBERT J, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, 7221, NEW YORK, N.Y. Tenant organizations—Mobilization and consequences.

RO1MH-23839-01 (PPR) CHO, ARTHUR K, UNIV OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Chemistry and pharmacology of biogenic amine uptake (rats).

RO3MH-23850-01 (MSM) CAIRNS, HEBLEN S, QUEEN COLLEGE, RES FDN OF CUNY, NEW YORK, N.Y. Lexical retrieval strategies in sentence comprehension.

PO1MH-23861-02 (MHP) BARCHAS, JACK D, STANFORD UNIVERSITY, SCHOOL OF MEDICINE, STANFORD, CALIF. Biogenic amines and behavior.

PO1MH-23861-02 0001 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Interaction biogenic amines with subcellular particles (rats, human, dogs).

PO1MH-23861-02 0002 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Aromatic amino acids in formation of transmitters (rats, human).

PO1MH-23861-02 0003 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Pteridine cofactors in catecholamine and serotonin biosynthesis (rats, human).

PO1MH-23861-02 0004 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Regulation of synaptosomal processes (rats).

PO1MH-23861-02 0005 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Genetic regulation of biogenic amines (mice, human, cattle, rats).

PO1MH-23861-02 0006 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Analytical mass fragmentography—Indole derivatives in CNS (rats).

PO1MH-23861-02 0007 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Assay of biogenic amines in brain (rats).

PO1MH-23861-02 0008 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Hydroxylated indole derivatives (rats).

PO1MH-23861-02 0009 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Brain serotonin and the pituitary-adrenal system (rats, human).

PO1MH-23861-02 0010 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Relation of catecholamines to pituitary-adrenal function (rats, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P01MH-23861-02 0014 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Adrenal medullary secretion and catecholamine response to stress (monkeys, human).
- P01MH-23861-02 0015 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Stress and biogenic amines (rats).
- P01MH-23861-02 0019 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Biogenic amines, sleep (cats).
- P01MH-23861-02 0028 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Assay of indoleacetic acid (rats).
- P01MH-23861-02 0029 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Preparation of deuterium analog of MHPG (human).
- P01MH-23861-02 0030 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Histochemical assay for lithium in brain (rats).
- P01MH-23861-02 0031 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Relation of urinary amines to social processes (monkeys).
- P01MH-23861-02 0032 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Cyclic AMP and behavior (mice).
- P01MH-23861-02 0033 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Paranoid schizophrenia.
- P01MH-23861-02 0034 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Tryptophan metabolism in normal humans.
- P01MH-23861-02 0035 (MHP) BARCHAS, JACK D. Biogenic amines and behavior—Indole amine precursors in treatment of Cushing's disease.
- R01MH-23863-01 (JP) MORROW, WILLIAM R, UNIV OF WISCONSIN-PARKSIDE, CLASSROOM BLDG & TALLENT HALL, KENOSHA, WIS. Anxiety control training and systematic desensitization.
- R12MH-23864-02 (MHP) SPITZER, ROBERT L, N Y STATE PSYCHIATRIC INST, 722 WEST 168TH STREET, NEW YORK. CRB NIMH collaborative depression studies II—SADS.
- R03MH-23870-01 (MSM) LESHNER, ALAN I, DEPT OF PSYCHOLOGY, BUCKNELL UNIVERSITY, LEWISBURG, PA. Hormonal effects on aggression (mice).
- R03MH-23871-01 (MSM) HOSTETLER, JOHN A, DEPARTMENT OF ANTHROPOLOGY, TEMPLE UNIVERSITY, PHILADELPHIA, PA. Communal, social and cultural patterns.
- R01MH-23875-02 (JP) JOHNSON, ORVAL G, 747 12TH STREET, BOULDER, COLO. Measurement resource in child behavior.
- P01MH-23870-06 (PCR) PFAFFMANN, CARL, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Cognitive processes and mathematical psychology.
- P01MH-23870-06 0001 (PCR) ESTES, WILLIAM K. Cognitive processes and mathematical psychology—Coding in short term memory.
- P01MH-23870-06 0004 (PCR) ESTES, WILLIAM K. Cognitive processes and mathematical psychology—Visual information processing (human).
- P01MH-23870-06 0014 (PCR) MEDIN, DOUGLAS L. Cognitive processes and mathematical psychology—Role of frequency in reinforcement and learning.
- P01MH-23870-06 0015 (PCR) SCRIBNER, S. Cognitive processes and mathematical psychology—Development of memory skills.
- P01MH-23870-06 0016 (PCR) RUNDUS, D. Cognitive processes and mathematical psychology—Retrieval process in free recall (human).
- P01MH-23870-06 0017 (PCR) ROURKE, DANIEL L. Cognitive processes and mathematical psychology—Spatial representations of memory (human).
- P01MH-23870-06 0018 (PCR) MEDIN, DOUGLAS L. Cognitive processes and mathematical psychology—Memory in nonhuman primates (and children).
- P01MH-23870-06 0019 (PCR) COLE, MICHAEL. Cognitive processes and mathematical psychology—Discrimination learning studies (human).
- P01MH-23870-06 0020 (PCR) CIBOROWSKI, T. Cognitive processes and mathematical psychology—Conjunctive and disjunctive concept learning (human).
- P01MH-23870-06 0021 (PCR) FAHRMEIER, E. Cognitive processes and mathematical psychology—Dimensional saliency and decision rules in problem solving.
- P01MH-23870-06 0022 (PCR) ESTES, KATHERINE W. Cognitive processes and mathematical psychology—Reward values and number concepts in children's discrimination learning.
- P01MH-23870-06 0023 (PCR) ESTES, WILLIAM K. Cognitive processes and mathematical psychology—Probability learning (human).
- P01MH-23870-06 0024 (PCR) ROURKE, DANIEL L. Cognitive processes and mathematical psychology—Learning to estimate average values.
- P01MH-23870-06 0025 (PCR) MEDIN, DOUGLAS L. Cognitive processes and mathematical psychology—Response factors in transfer.
- P01MH-23870-06 0026 (PCR) TAYLOR, D A. Cognitive processes and mathematical psychology—Response to compound stimuli.
- P01MH-23870-06 0027 (PCR) FALMAGNE, RACHEL. Cognitive processes and mathematical psychology—Deductive reasoning in children.
- P01MH-23870-06 0028 (PCR) ESTES, WILLIAM K. Cognitive processes and mathematical psychology—Model for coding and organization in memory.
- P01MH-23870-06 0029 (PCR) HEALY, A F. Cognitive processes and mathematical psychology—Short term memory for consonant order.
- P01MH-23870-06 0030 (PCR) REDER, S. Cognitive processes and mathematical psychology—Short memory scanning.
- P01MH-23870-06 0031 (PCR) HEALY, A F. Cognitive processes and mathematical psychology—Criterion shifts in recall.
- P01MH-23870-06 0032 (PCR) MILLER, G A. Cognitive processes and mathematical psychology—Semantic similarity.
- P01MH-23870-06 0033 (PCR) HEALY, A F. Cognitive processes and mathematical psychology—Verb as main determinant of sentence meaning.
- P01MH-23870-06 0034 (PCR) BEVER, T. Cognitive processes and mathematical psychology—Development cerebral dominance, linguistic constructs, perception.
- P01MH-23870-06 0035 (PCR) REDER, S. Cognitive processes and mathematical psychology—Perceptual basis of reading.
- R01MH-23879-02 (PPR) JARVIK, MURRAY E, UNIV OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF. Drugs and memory (rats, mice).
- R01MH-23880-02 (PPR) JARVIK, MURRAY E, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHIATRY, LOS ANGELES, CALIF. Behavioral effects of drugs in *Macaca mulatta*.
- R01MH-23883-02 (PCR) GARVEY, CATHERINE J, JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BALTIMORE, MD. Varieties and functions of early social speech.
- R01MH-23884-02 (PCR) WILSON, RONALD S, UNIVERSITY OF LOUISVILLE, POST OFFICE BOX 1055, LOUISVILLE, KY. Determinants of mental health (children).
- R01MH-23886-02 (PCR) STAUB, ERYN, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF PSYCHOLOGY, AMHERST, MASS. The development of prosocial behavior in children.
- R01MH-23900-02 (MP) PERRY, STEWART E, CTR FOR CMNTY ECON DEVELOPMENT, 1878 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Stress, ownership and pathology in urban dirty work.
- R01MH-23903-02 (PCR) HALL, VERNON C, SYRACUSE UNIVERSITY, 150 MARSHALL STREET, SYRACUSE, N Y. Early patterns of cognitive development.
- R01MH-23905-02 (MHS) ATENCIO, TOMAS, COPAS, INCORPORATED, 1320 AGUA FRIA, SANTA FE, N MEX. Study of problems in institutions for juveniles (Mexican-Americans).
- R12MH-23924-01 (MHS) BRAKKE, ALMON J, EBENEZER SOCIETY, 2523 PORTLAND AVENUE, MINNEAPOLIS, MINN. Maintaining the growing edge (human).
- R01MH-23925-02 (CP) HOGARTY, GERARD E, 102 BLOOMSBURY AVENUE, BALTIMORE, MD. Long acting drugs with after care of schizophrenics.
- R01MH-23939-02 (PCR) CLIFTON, CHARLES E, JR, UNIVERSITY OF MASSACHUSETTS, DEPT OF PSYCHOLOGY, AMHERST, MASS. Decoding information from memory.
- R01MH-23949-01 (MHS) SCOTT, FRANCES G, U OREGON - OREGON CTR FOR GER, 1597 AGATE STREET, EUGENE, OREG. Research study of retirement preparation programs.
- R03MH-23956-01 (MSM) DOLHINOW, PHYLLIS C, DEPARTMENT OF ANTHROPOLOGY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Social development of primates.
- R01MH-23957-02 (PCR) DEESE, JAMES E, UNIVERSITY OF VIRGINIA, GILMER HALL, CHARLOTTESVILLE, VA. Psycholinguistic investigations.
- R03MH-23967-01 (MSM) QUEN, JACQUES M, CORNELL UNIVERSITY MED COLL, 1300 YORK AVE, NEW YORK, N Y. The sociology of acceptance of therapies.
- R03MH-23968-01 (MSM) POLLATSEK, ALEXANDER W, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Limits of parallel independent processing in vision (human).
- R03MH-23976-01 (MSM) BRUBAKER, LOWELL L, PROFESSOR OF PSYCHOLOGY, TENNESSEE WESLEYAN COLLEGE, ATHENS, TENN. Behavior genetic variability (mice).
- R03MH-23978-01 (MSM) KREMER, EDWIN F, DEPARTMENT OF PSYCHOLOGY, DARTMOUTH COLLEGE, GERRY HALL, HANOVER, N H. Effect of perinatal nutrition on aversion threshold (rats).
- R01MH-23984-01 (CPR) PRICE, WINSTON H, SCHOOL OF HYGIENE & PUBLIC HLT, JOHNS HOPKINS UNIVERSITY, BALTIMORE, MD. Schizophrenia and alpha-2-globulin fraction (human, chickens).
- R01MH-23989-02 (PPR) JARVIK, LISSY F, NEUROPSYCHIATRIC INSTITUTE, DEPARTMENT OF PSYCHIATRY, LOS ANGELES, CALIF. Psychotropic drug and cytogenetic effects (human).
- R01MH-23993-01 (MHSR) KIM, BOK-LIM C, UNIVERSITY OF ILLINOIS, 1207 WEST OREGON STREET, URBANA, ILL. A study of Asian American communities in Chicago.
- R01MH-24003-02 (MHSR) WILLIAMS, ROBERT L, INSTITUTE OF BLACK STUDIES, IN, 6372 DELMAR BLVD, ST LOUIS, MO. The black intelligence test as a moderator variable (human).
- R01MH-24005-02 (JP) STEDMAN, DONALD J, UNIVERSITY OF NORTH CAROLINA, HIGHWAY 54 BY-PASS WEST, CHAPEL HILL, N C. Effects of evaluation on infant cognitive development.
- R01MH-24014-02 (MHSR) SWAN, LLEWELLYN A, FISK UNIVERSITY, PARK-JOHNSON HALL, NASHVILLE, TENN. Black families of prisoners.
- R01MH-24016-01 (EPR) UTTAL, WILLIAM R, 1042 MENTAL HEALTH RES INST, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. An experimental approach to a form perception theory (human).
- R10MH-24020-02 (CPP) PINK, MAX, S U N Y AT STONY BROOK, DEPARTMENT OF PSYCHIATRY, STONY BROOK, N Y. Quantitative EEG studies in psychopharmacology (human).
- R03MH-24023-01 (MSM) POTTS, GEORGE R, DEPARTMENT OF PSYCHOLOGY, DARTMOUTH COLLEGE, HANOVER, N H. Drawing inferences from a passage of text.
- R01MH-24027-01 (PCR) PISONI, DAVID B, PSYCHOLOGY BUILDING, INDIANA UNIVERSITY, BLOOMINGTON, IND. The speech mode and categorical perception.
- R01MH-24032-01 (EPR) ROSENBERG, KENNETH M, DEPARTMENT OF PSYCHOLOGY, STATE UNIVERSITY COLLEGE, OSWEGO, N Y. The hormonal determinants of behavior (rats).
- R03MH-24039-01 (MSM) MORRILL, WARREN T, PENNSYLVANIA STATE UNIVERSITY, 409 SOCIAL SCIENCES BLDG, UNIVERSITY PARK, PA. Determinants of migration (St. Barthelemy).
- R01MH-24044-01 (EPR) HOFFMAN, HOWARD S, DEPARTMENT OF PSYCHOLOGY, BRYN MAWR COLLEGE, BRYN MAWR, PA. Psychophysics of the startle reflex (guinea pigs).
- R01MH-24047-01 (MP) FISHER, JACK C, JOHNS HOPKINS UNIVERSITY, CTR FOR METRO PLANNING & RES, BALTIMORE, MD. Effect of metropolitan open space on community life.
- R01MH-24063-01 (CPR) AAGAARD, GEORGE N, UNIVERSITY OF WASHINGTON, RG 20, SEATTLE, WASH. Effect of relaxation-mediation in early hypertension.
- R01MH-24069-02 (NP) MORRELL, FRANK, RUSH-PRESBY-ST LUKES MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Cellular organization of memory (cats).
- R01MH-24070-01 (CPR) RASKIN, MARJORIE J, UNIV OF CALIFORNIA AT SAN FRAN, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Biofeedback and habituation rates in chronic anxiety.
- R03MH-24072-01 (MSM) LAZERWITZ, BERNARD M, 7135 LINDELL BOULEVARD, ST LOUIS, MO. Americans in Israel—Early stages of the ethnic process.
- R03MH-24092-01 (MSM) ZENTALL, THOMAS R, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Observational learning (rats, pigeons).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO3MH-24096-01 (MSM) EVANS, LIEWELLYN T, RESEARCH LABORATORY, P O BOX 453, JAFFREY CENTER, N H. Analysis of data related to ethology (reptiles).
- RO1MH-24103-02 (EPR) SPENCER, TERRY J, KENT STATE UNIVERSITY, DEPT OF PSYCHOLOGY, KENT, OHIO. Selective attention and encoding from iconic storage (human).
- RO1MH-24104-02 (CPR) LUPINSKI, JOSEPH F, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Histamine metabolism in mental illness (human).
- RO1MH-24105-01 (CPR) IVES, JOHN, DEPARTMENT OF PSYCHIATRY, UNIVERSITY OF VERMONT, BURLINGTON, VT. Parameters of low-energy electroconvulsive therapy (human).
- RO1MH-24109-01 (MHS) HARRINGTON, ROBERT L, KAISER-PERMANENTE FACILITIES, 900 KIELY BOULEVARD, SANTA CLARA, CALIF. Systems approach to mental health care in a HMO model.
- RO1MH-24114-01 (PPR) ANTELMAN, SEYMOUR M, UNIV OF PITTSBURGH, FIFTH AVENUE, PITTSBURGH, PA. Chemistry of reward and related behaviors.
- RO1MH-24115-01 (EPR) FOWLER, HARRY, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Signaling and affective functions in conditioning (rats).
- RO1MH-24131-01 (NP) LINDHOLM, ERNEST P, ARIZONA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, TEMPE, ARIZ. GI pathology in the rat following HTH lesions of ICS (rats).
- RO1MH-24134-02 (PCR) LEPPER, MARK R, STANFORD UNIVERSITY, JORDAN HALL, STANFORD, CALIF. Effects of extrinsic rewards on intrinsic motivation.
- RO1MH-24135-01 (PPR) FLYNN, EDWARD J, COLL MED & DENT OF NEW JERSEY, 100 BERGEN STREET, NEWARK, N J. Immunologic investigation of barbiturate pharmacology (mice, rabbits).
- RO1MH-24149-01 (JP) BENTLER, PETER M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, LOS ANGELES, CALIF. Measurement studies in personality and cognition.
- RO1MH-24152-01 (MHS) ROLF, JON E, DEPT PSYCHOLO JOHN DEWEY HALL, U VERMONT-ST AGRICULTURE COLL, BURLINGTON, VT. Epidemiology of and intervention for children at risk.
- RO1MH-24154-01 (MHS) BRATZ, MILTON T, MENT HLTH/MENT RETDT CTRS, 101 SOUTH 13TH STREET, PHILADELPHIA, PA. Comparison of centralized/decentralized CMHC services.
- RO1MH-24159-01 (SP) TICHY, NOEL, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N Y. Change agent approaches.
- RO1MH-24165-01 (CPR) ARCHER, ELLEN G, PSYCHIATRIC INST FOUNDATION, 1019 22ND ST N W, WASHINGTON, D C. Serum macromolecules in schizophrenia.
- RO1MH-24177-02 (CPR) CHRISTIAN, SAMUEL T, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. N-methylated indoleamines in schizophrenia (human).
- RO1MH-24180-01 (ESR) FARBEROW, NORMAN L, SUICIDE PREVENTION CENTER, 2521 W PICO BLVD, LOS ANGELES, CA. Certification of suicide deaths in the United States.
- RO1MH-24188-01 (PPR) RIVERA-CALIMLIM, LEONOR, UNIV OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Plasma chlorpromazine in psychiatric management.
- RO1MH-24189-01 (ESR) TSUANG, MING T, UNIVERSITY OF IOWA, 500 NEWTON ROAD, IOWA CITY, IOWA. Epidemiology—Mania, depression and schizophrenia.
- RO1MH-24194-01 (PCR) ESCALONA, SHYLLIE K, ROSE F KENNEDY CENTER, 1410 PELHAM PARKWAY SOUTH, BRONX, N Y. Symbol formation through toys, pictures and words.
- RO1MH-24197-02 (SSR) COLLINS, W ANDREW, INSTITUTE OF CHILD DEVELOPMENT, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN. Social inferences and television effects on children.
- RO1MH-24213-01 (NP) OLTON, DAVID S, JOHNS HOPKINS UNIVERSITY, CHARLES & 34TH STREETS, BALTIMORE, MD. Adaptive behavior and limbic functions.
- RO1MH-24216-01 (SP) WEITZMAN, LINDORE J, INST OF GOVERNMENTAL AFFAIRS, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. The social effects of divorce and divorce law reform (California).
- RO1MH-24220-01 (SP) VATUX, SYLVIA D, DEPARTMENT OF ANTHROPOLOGY, UNIVERSITY OF ILLINOIS, CHICAGO, ILL. Social and cultural dimensions of aging.
- RO1MH-24222-02 (CPR) KINSMAN, ROBERT A, NATIONAL JEWISH HOSP RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO. Behavior therapy and relaxation training in asthma (human).
- RO1MH-24229-01 (MHS) HORN, J EUGENE, BERKELEY YOUTH ALTERNATIVES, 2430 DANA, BERKELEY, CALIF. Berkeley youth alternatives juvenile services program.
- RO1MH-24241-01 (PCR) MC CONKIE, GEORGE W, DEPT OF EDUCATION, CORNELL UNIVERSITY, ITHACA, N Y. A computer-based exploration of skilled reading.
- RO1MH-24244-01 (PPR) SMITH, STEVEN J, PENNSYLVANIA STATE UNIVERSITY, DEPT OF PHARMACOLOGY, HERSHEY, PA. Effects of psychotropic drugs on brain nuclear RNA (rats).
- RO1MH-24249-01 (JP) COGAN, ROSEMARY, TEXAS TECH UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, LUBBOCK, TEX. Prenatal education and family relations.
- RO1MH-24250-01 (JP) MESSE, LAWRENCE A, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Adult perceptions and child behavior dysfunctions (human).
- RO1MH-24260-01 (PPR) ZOLMAN, JAMES F, DEPT OF PHYSIOLOGY & BIOPHYSIC, UNIVERSITY OF KENTUCKY, LEXINGTON, KY. Developmental psychopharmacology—inhibitory processes.
- RO1MH-24263-02 (SP) LANGMAN, LAUREN, LOYOLA UNIVERSITY, 6525 NORTH SHERIDAN RD, CHICAGO, ILL. The intergenerational transmission of values.
- RO1MH-24266-01 (SSR) SCHUMAN, HOWARD, INSTITUTE FOR SOCIAL RESEARCH, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Effect of survey question wording on survey results.
- RO1MH-24269-02 (EPR) GREEN, STEVEN M, ROCKEFELLER UNIVERSITY, FIELD RESEARCH CENTER, MILLBROOK, N Y. Ecological determinants of primate social behavior.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO3MH-24275-01 (MSM) TOBACH, ETHEL, THE AMERICAN MUSEUM OF NAT HIS, CENTRAL PARK WEST AT 79 ST, NEW YORK, N Y. Rearing conditions (apslysia).
- RO1MH-24279-02 (NP) WEISZ, JUDITH, MILTON S HERSHEY MED CTR, PENNA STATE UNIV, HERSHEY, PA. Androgens, brain and behavior (rats, mice, human).
- RO1MH-24280-02 (PCR) HORN, JOSEPH M, UNIVERSITY OF TEXAS, 211 MEZES HALL, AUSTIN, TEX. Intelligence and personality—An adoption study.
- RO1MH-24283-01 (PCR) WATSON, JOHN S, INST OF HUMAN DEVELOPMENT, U OF CALIF-1203 TOLMAN HALL, BERKELEY, CALIF. Development of initiative (human).
- RO1MH-24284-01 (PPR) PAULING, PETER J, UNIVERSITY COLLEGE LONDON, GOWER STREET, LONDON W C I, ENGLAND. Conformations of psychoactive substances.
- RO1MH-24285-01 (PPR) REIS, DONALD J, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N Y. Mechanism of action of amphetamine in brain (human, cattle, rats).
- RO1MH-24287-01 (MHS) URBNER, ALBERT M, ENVI RESEARCH INSTITUTE, 9015 FULLBRIGHT AVENUE, CHATSWORTH, CALIF. California's new mental health law—Longitudinal study.
- RO1MH-24301-01 (ESR) MALMSTROM, EDWARD J, THE WRIGHT INSTITUTE, 2728 DURAN AVE, BERKELEY, CALIF. Emotional arousal and biometeorological cycles.
- RO1MH-24305-02 (SP) GREEN, RICHARD, UNIVERSITY OF CALIFORNIA, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. A typical sex role development in children.
- R12MH-24311-01 (MHS) GRANT, RICHARD L, UNIVERSITY OF VERMONT, DEPARTMENT OF PSYCHIATRY, BURLINGTON, VT. The problem-oriented record in mental health care.
- RO1MH-24316-01 (PCR) HEIDER, ELEANOR R, INSTITUTE OF HUMAN LEARNING, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Processing and formation of natural categories (human).
- RO1MH-24329-01 (NP) MOLLENBAUER, SANDRA O, SAN DIEGO STATE UNIV FDN, 5402 COLLEGE AVE, SAN DIEGO, CALIF. Anticholinergic drugs and emotional behavior (rats).
- RO1MH-24333-01 (PPR) APPEL, JAMES B, UNIVERSITY OF SOUTH CAROLINA, COLUMBIA, S C. Drug and perception—An experimental analysis.
- RO1MH-24337-01 (CPR) GERSHON, SAMUEL, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Hyper- and normobaric oxygen in senility.
- RO1MH-24340-01 (SSR) MITCHELL-KERNAN, CLAUDIA I, DEPARTMENT OF PSYCHOLOGY, HARVARD UNIVERSITY, CAMBRIDGE, MASS. The acquisition of sociolinguistic skills in children.
- RO1MH-24341-02 (CPR) HOROWITZ, MARDI J, LANGLEY PORTER NEUROPSYCH INST, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Cognitive response to psychological stress (human).
- RO1MH-24344-01 (EXCP) BUCHWALD, JENNIFER S, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Sensory processing and adaptive behavior (cats).
- RO3MH-24346-01 (MSM) RIEGE, WALTER H, VETERANS ADMINISTRATION HOSP, 16111 PLUMMER STREET, SEPULVEDA, CALIF. Retroactive facilitation of memory (goldfish).
- RO3MH-24347-01 (MSM) PATTERSON, MILES L, UNIVERSITY OF MISSOURI, 8001 NATURAL BRIDGE ROAD, ST LOUIS, MO. Compensation in nonverbal immediacy behaviors.
- RO1MH-24354-02 (CPR) DEROGATIS, LEONARD R, JOHNS HOPKINS HOSPITAL, 601 N BROADWAY, BALTIMORE, MD. Development of drug-sensitive symptom rating scales.
- RO3MH-24382-01 (MSM) SPIRITO, CARL P, UNIVERSITY OF VIRGINIA, DEPARTMENT OF BIOLOGY, CHARLOTTESVILLE, VA. Neural control of feeding (crayfish).
- RO3MH-24390-01 (MSM) SLOANE, NATHAN H, UNIV OF TENNESSEE, 800 MADISON AVENUE, MEMPHIS, TENN. Psychogenic activity of new tryptophan derivatives (rabbits, rats).
- RO3MH-24392-01 (MSM) KOTTAK, CONRAD P, 221 ANGELL HALL, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Local-level effects of 'modernization' (human).
- RO1MH-24393-02 (CPR) MAAS, JAMES W, DEPT OF PSYCHIATRY, YALE UNIVERSITY SCH OF MED, NEW HAVEN, CONN. MHPG excretion, catecholamine metabolism, and depression.
- RO1MH-24393-02 0001 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Effects of Imipramine upon urinary excretion of catecholamine metabolites (human).
- RO1MH-24393-02 0002 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Clinical pharmacology studies.
- RO1MH-24393-02 0003 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Clinical characteristics of depression associated with decreased MHPG excretion.
- RO1MH-24393-02 0004 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Longitudinal studies of patients with alternating manic and depressive episodes.
- RO1MH-24393-02 0005 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Low MHPG excretion associated with depression—A state or trait variable.
- RO1MH-24393-02 0006 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Kinetics of disposition and metabolism of circulating NE (human).
- RO1MH-24393-02 0007 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Specific methods for assaying MHPG and VMA in blood (human).
- RO1MH-24393-02 0008 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Determination of MHPG in CSF (human).
- RO1MH-24393-02 0009 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Assaying dihydroxyphenylethylenglycol in urine (human).
- RO1MH-24393-02 0010 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Routes of formation of MHPG (rodents).
- RO1MH-24393-02 0011 (CPR) MAAS, JAMES W. MHPG excretion, catecholamine metabolism, and depression—Metabolism of catecholamines in human brain.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO3MH-24394-01 (MSM) LUBORSKY, LESTER B, HOSP OF UNIV OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Comparison of two methods of blood pressure control (human).
- RO3MH-24401-01 (MSM) MATTHEWS, FRED D, MISSISSIPPI VALLEY STATE COLL, POST OFFICE BOX 98, ITTA BENA, MISS. Community health survey project.
- RO3MH-24415-01 (MSM) HALL, JAMES W, SCHOOL OF EDUCATION, NORTHWESTERN UNIVERSITY, EVANSTON, ILL. Developmental changes in long term retention (children).
- RO3MH-24416-01 (MSM) MILLER, EPP A, INSTITUTE FOR BEHAVIORAL RES, 2429 LINDEN LANE, SILVER SPRING, MD. Motor skills of neonatally deaf-fereented monkeys.
- RO3MH-24420-01 (MSM) REDDING, GORDON M, ILLINOIS STATE UNIVERSITY, DEPT OF PSYCHOLOGY, NORMAL, ILL. Perceptual change in visual orientation and direction.
- RO1MH-24428-01 (MHS) PARAD, HOWARD J, CTR FOR TRAINING IN COMM PSYCH, 11665 W OLYMPIC BLVD, LOS ANGELES, CALIF. Knowledge and skill needs of community mental health.
- RO1MH-24433-01 (MP) TRUBBER, HANS-LUKAS, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Behavioral effects of brain injury (human, cats, monkeys).
- RO1MH-24445-01 (BPR) KRBAUER, EDWIN F, DARTMOUTH COLLEGE, DEPT OF PSY, GERRY HALL, HANOVER, N H. Selectivity in compound Pavlovian conditioning (rats).
- RO1MH-24454-01 (MHSR) RIVERS, L WENDELL, INST OF BLACK STUDIES, INC, 6374 DELMAR BOULEVARD, ST LOUIS, MO. Black language—A moderator variable in intelligence.
- RO1MH-24455-01 (MHS) BAIZERMAN, MICHAEL L, UNIVERSITY OF MINNESOTA, 301 WALTER LIBRARY, MINNEAPOLIS, MINN. Self-evaluative model for hostilities.
- RO3MH-24464-01 (MSM) REYNOLDS, PAUL D, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN. Legitimation, incongruency, and influence hierarchies (human).
- RO1MH-24477-01 (CPR) LEWINSOHN, PETER M, UNIVERSITY OF OREGON, DEPT OF PSYCHOLOGY, EUGENE, OREG. Activity schedules in treatment of depression.
- RO3MH-24482-01 (MSM) WASSERMAN, EDWARD A, DEPARTMENT OF PSYCHOLOGY, THE UNIVERSITY OF IOWA, IOWA CITY, IOWA. Excitation, inhibition, and autoshaping (pigeons).
- RO3MH-24483-01 (MSM) DRICKAMER, LEE C, WILLIAMS COLLEGE, BIOLOGY DEPARTMENT, WILLIAMSTOWN, MASS. Behavioral environmental effects on sexual maturation (mice).
- RO1MH-24492-01 (BPR) MANDLER, JEAN M, UNIV OF CALIFORNIA, SAN DIEGO, DEPT OF PSYCHOLOGY, LA JOLLA, CALIF. Development of semantic and visual organization.
- RO3MH-24502-01 (MSM) DRABMAN, RONALD S, FLORIDA TECHNOLOGICAL UNIV, POST OFFICE BOX 25000, ORLANDO, FLA. Comparison of several classroom management systems.
- RO3MH-24509-01 (MSM) YAFFE, FRED L, WASHBURN UNIVERSITY, DEPT OF PSYCHOLOGY, TOPEKA, KANS. Generalization of conditioned adaptation (human).
- RO1MH-24513-01 (SSR) EKMAN, PAUL, UNIVERSITY OF CALIFORNIA, 1405 FOURTH AVENUE, SAN FRANCISCO, CALIF. Long term behavioral effects of TV programs (children).
- RO3MH-24518-01 (MSM) SCAVIO, MICHAEL J, JR, CALIFORNIA STATE UNIVERSITY, DEPT OF PSYCHOLOGY, FULLERTON, CALIF. Classical-classical transfer of training effects (rabbits).
- R12MH-24522-01 (SSR) SHELDON, ELEANOR B, SOCIAL SCIENCE RES COUNCIL, 230 PARK AVENUE, NEW YORK, N Y. Research committee on television and social behavior.
- RO3MH-24534-01 (MSM) BANKS, WILLIAM P, POMONA COLLEGE, DEPT OF PSYCHOLOGY, CLAREMONT, CALIF. Dynamics of warmth and cold (human).
- RO3MH-24550-01 (MSM) MESSE, LAWRENCE A, MICHIGAN STATE UNIVERSITY, OLDS HALL, EAST LANSING, MICH. Sex differences in reward distribution behavior.
- RO3MH-24551-01 (MSM) HASTINGS, JAMES E, DEPARTMENT OF PSYCHOLOGY, BOWLING GREEN STATE UNIV, BOWLING GREEN, OHIO. Autonomic and cortical responses to affective stimuli (human).
- RO3MH-24556-01 (MSM) KARABENICK, STUART A, EASTERN MICHIGAN UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, YPSILANTI, MICH. Construct validation of fear of success in females.
- RO3MH-24564-01 (MSM) SCHIAVI, RAUL C, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVENUE, NEW YORK, N Y. Plasma testosterone during sleep in man.
- RO3MH-24574-01 (CD) LOGAN, CHARLES H, UNIVERSITY OF CONNECTICUT, DEPT OF SOCIOLOGY, U-58, STORRS, CONN. Deterrent effectiveness of legal sanctions.
- RO3MH-24578-01 (MSM) WILCOTT, ROBERT C, CASE WESTERN RESERVE UNIV, 2040 ADELBERT ROAD, CLEVELAND, OHIO. Delayed response and low frequency inhibition (cats).
- RO1MH-24587-01 (MP) STRICKON, ARNOLD N, UNIVERSITY OF WISCONSIN, DEPARTMENT OF ANTHROPOLOGY, MADISON, WIS. Ethnicity and social class in rural communities.
- RO1MH-24588-01 (CPR) HESTON, LEONARD L, UNIVERSITY OF MINNESOTA, BOX 392 MAYO, MINNEAPOLIS, MINN. A genetic epidemiologic study of presenile dementia.
- RO1MH-24592-01 (CPR) SIMON, BENNETT, CAMBRIDGE HOSPITAL, 1493 CAMBRIDGE STREET, CAMBRIDGE, MASS. Models of madness in antiquity (Greece).
- RO1MH-24593-01 (PPR) APPEL, JAMES B, DEPT OF PSYCHOLOGY, UNIVERSITY OF SOUTH CAROLINA, COLUMBIA, S C. Neurohumoral determinants of sensitivity to LSD.
- RO1MH-24594-01 (SP) GOTTMAN, JOHN M, INDIANA UNIVERSITY, PSYCHOLOGY BUILDING, BLOOMINGTON, IND. Behavioral communications approach to marital success.
- RO1MH-24596-01 (PCR) BRONSON, GORDON W, MILLS COLLEGE, DEPT OF PSYCHOLOGY, OAKLAND, CALIF. Coping with novelty—The roots of mastery or of fear.
- RO1MH-24597-01 (MHSR) MUNOZ, DANIEL G, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Chicano drop-outs in higher education.
- RO1MH-24600-01 (CPR) SQUIRE, LARRY R, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Memory as affected by aging, disease and ECT (human).
- RO1MH-24604-01 (PPR) LEVI-MONTALCINI, RITA, WASHINGTON UNIVERSITY, LINDELL AND SKUNKER BOULEVARDS, ST LOUIS, MO. Toxicity of psychotropic drugs on aminergic neurons.
- RO1MH-24607-01 (PPR) MAAS, JAMES W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Monoamines and mental illness (primates).
- RO3MH-24614-01 (MSM) REDD, WILLIAM H, REDD, WILLIAM H, UNIVERSITY OF ILLINOIS, CHAMPAIGN, ILL. Adult-child interaction and social valence.
- RO3MH-24619-01 (MSM) ACHE, BARRY W, FLORIDA ATLANTIC UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, BOCA RATON, FLA. Chemosensory mechanisms of behavioral modulation (lobsters).
- RO3MH-24621-01 (MSM) BOORSE, CHRISTOPHER L, UNIVERSITY OF DELAWARE, DEPARTMENT OF PHILOSOPHY, NEWARK, DEL. Normative and descriptive aspects of mental health.
- RO3MH-24637-01 (MSM) JUOLA, JAMES F, UNIVERSITY OF KANSAS, DEPT OF PSYCHOLOGY, LAWRENCE, KANS. Search and decision processes in recognition memory (human).
- RO1MH-24652-01 (CPR) KUPPER, DAVID J, UNIVERSITY OF PITTSBURGH, 3811 O'HARA STREET, PITTSBURGH, PA. EEG sleep studies in relation to affective illness.
- RO1MH-24656-01 (MHSR) CANNON, J ALFRED, C R DREW POSTGRAD MED SCHOOL, 1620 EAST 119TH STREET, LOS ANGELES, CALIF. The psychology of Black Gangs—Mental illness or mental health.
- RO3MH-24657-01 (MSM) BLOOM, KATHLEEN, INDIANA UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BLOOMINGTON, IND. Stimulus properties of infant-adult interaction.
- RO3MH-24656-01 (MSM) BROWN, ROBERT T, PSYCHOLOGY DEPARTMENT, UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, N C. Critical period for imprinting (ducks).
- RO3MH-24668-01 (MSM) FINKLER, KAJA, DEPARTMENT OF SOCIOLOGY, EASTERN MICHIGAN UNIVERSITY, YPSILANTI, MICH. Cross-cultural study of decision making.
- RO1MH-24677-01 (BSR) MACKLIN, MICHAEL, TULANE UNIVERSITY, 1021 AUDUBON STREET, NEW ORLEANS, LA. The social organization of psychological disorder.
- RO1MH-24638-01 (CPR) STEPHENS, JOSEPH M, JOHNS HOPKINS HOSPITAL, HENRY PHIPPS PSYCHIATRIC CLIN, BALTIMORE, MD. An optimum A-B scale of psychotherapist effectiveness.
- RO1MH-24600-01 (MHSR) SHARPLEY, ROBERT H, SOLOMON FULLER INSTITUTE, 127 MOUNT AUBURN STREET, CAMBRIDGE, MASS. Annals of black psychiatry.
- RO1MH-24698-01 (CPR) PETERSON, DONALD R, UNIVERSITY OF ILLINOIS, CHILDREN'S RESEARCH CENTER, CHAMPAIGN, ILL. Assessment of interpersonal behavior.
- RO3MH-24713-01 (MSM) KIBBLE, STEVEN W, DEPT OF PSYCHOLOGY, UNIVERSITY OF OREGON, EUGENE, OREG. Arousal and individual differences in attention (human).
- RO3MH-24715-01 (MSM) GOLDMAN, BRUCE D, UNIVERSITY OF CONNECTICUT, DEPT OF BIOBEHAVIORAL SCIENCE, STORRS, CONN. Aggression—The developmental role of androgen (mice).
- RO3MH-24717-01 (MSM) KILPATRICK, SAMUEL J, JR, VIRGINIA COMMONWEALTH UNIV, P O BOX 923, MCY STATION, RICHMOND, VA. Coding and disposition of psychosocial illness.
- RO3MH-24718-01 (MSM) GIBLER, E SCOTT, VA POLYTECH INST & STATE UNIV, DEPARTMENT OF PSYCHOLOGY, BLACKSBURG, VA. Social effects in a choice reaction time paradigm.
- RO3MH-24725-01 (MSM) MAUSNER, BERNARD, BEAVER COLLEGE, DEPARTMENT OF PSYCHOLOGY, GLENSIDE, PA. A model relating attitudes and behavior.
- RO3MH-24728-01 (MSM) YATES, JOHN T, PURDUE UNIVERSITY, DEPT OF PSYCHOLOGICAL SCIS, WEST LAFAYETTE, IND. Visual spatial frequency channels in primate cortex.
- RO3MH-24730-01 (MSM) THOMPSON, CARL I, PENN STATE UNIV COL OF MED, M S HERSHEY MEDICAL CENTER, HERSHEY, PA. Age-dependent recovery from amygdalotomy (monkeys).
- RO1MH-24741-01 (JP) KENT, JAMES T, CHILDRENS HOSPITAL, PO BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. Longitudinal study of physically abused children.
- RO1MH-24746-01 (MHS) FRAIBERG, SELMA M, CHILD DEVELOPMENT PROJECT, 201 E CATHERINE STREET, ANN ARBOR, MICH. An infant mental health program.
- RO1MH-24754-01 (SP) THOMAS, DARWIN L, BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH. Power and compliance in the family.
- RO1MH-24755-01 (JP) BIJOU, SIDNEY W, CHILD BEHAVIOR LABORATORY, 403 EAST HEALEY, ROOM 204, CHAMPAIGN, ILL 61820. Methodological study of follow-up evaluation (human).
- RO1MH-24759-01 (MHS) O'BRIEN, GREGORY M, CASE WESTERN RESERVE UNIV, YOST HALL - UNIVERSITY CIRCLE, CLEVELAND, OHIO. A decision support system for community mental health.
- RO3MH-24763-01 (MSM) WATSON, ROBERT K, THE GRIFFIN HOSPITAL, 130 DIVISION STREET, DERBY, CONN. basic integrated potentials in schizophrenic patients.
- RO1MH-24787-01 (MHSR) ADAIR, ALVIS L, HOWARD UNIVERSITY, DEPT OF PSYCHOLOGY, WASHINGTON, D C. Research review of black mental health—Mental illness.
- RO1MH-24791-01 (CPR) YALOM, IRVIN D, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Impact of an encounter experience on psychotherapy.
- RO1MH-24795-01 (MHS) ITTELSON, WILLIAM M, CITY UNIVERSITY OF NEW YORK, 33 WEST 42ND STREET, NEW YORK, N Y. Household settings—Life styles and mental health.
- RO1MH-24804-01 (PCR) KLINGER, ERIC, UNIVERSITY OF MINNESOTA, DIV OF SOCIAL SCIENCES, MORRIS, MINN. Respondent mentation and responses to life situations.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R01MH-24807-01 (SP) BUMPASS, LARRY L, UNIVERSITY OF WISCONSIN, 3224 SOCIAL SCIENCE BUILDING, MADISON, WIS. Marriage, female roles, and marital disruption.	R01MH-24964-01 (PCR) AVANT, LLOYD L, IOWA STATE UNIVERSITY, DEPT OF PSYCHOLOGY, AMES, IOWA. Timing and processing of stimulus events (human).
R01MH-24810-01 (MHS) HOLDER, HAROLD D, INST OF HUMAN ECOLOGY, 7416 CHAPEL HILL ROAD, RALEIGH, N C. Developing management skills in child mental health.	R03MH-24967-01 (MSM) BUGELSKI, B R, STATE UNIV NEW YORK AT BUFFALO, 4230 RIDGE LEA CAMPUS, BUFFALO, N Y. History of psychophysiology and psychosomatic medicine.
R01MH-24814-01 (SSR) SHERMAN, STEVEN J, INDIANA UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BLOOMINGTON, IND. Attitudes as inferences from one's own behavior.	R03MH-24968-01 (MP) JENKINS, ROSE D, MARTIN L KING, JR GEN HOSP, 12021 SOUTH WILMINGTON AVE, LOS ANGELES, CALIF. Ecological impact study on new town residents.
R01MH-24317-01 (MHS) LOPEZ, HENRY A, SACRAMENTO CONCILIO, INC, POST OFFICE BOX 896, SACRAMENTO, CALIF. Human development model for mental health services.	R01MH-24969-01 (CPP) TUASON, VICENTE B, ST PAUL-RAMSEY HOSPITAL, 640 JACKSON STREET, ST PAUL, MINN. PRB collaborative study of long acting fluphenazine (human).
R01MH-24819-01 (MHP) ANTHONY, E JAMES, WASHINGTON UNIVERSITY, 369 NORTH TAYLOR AVENUE, ST LOUIS, MO. A short term developmental study of children at risk.	R01MH-24976-01 (CPP) KLERMAN, GEBALD L, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. NIMH-PRB collaborative study of long acting fluphenazine.
R01MH-24820-01 (MHP) KAMIYA, JOE, LANGLEY PORTER NEUROPSYCH INST, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Biofeedback training for sleep onset (human).	R01MH-24977-01 (CPP) DIMASCIO, ALBERTO, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. NIMH-PRE collaborative study of long acting fluphenazine (human).
R01MH-24824-01 (PCR) MUELLER, EDWARD C, BOSTON UNIVERSITY, 64 CUMMINGTON STREET, BOSTON, MASS. The growth of peer social interaction in play groups.	R01MH-24978-01 (CPP) BRAUZER, BENJAMIN, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. NIMH-PRB collaborative study on long acting fluphenazine.
R01MH-24836-01 (CPR) RYAN, VICTOR L, UNIVERSITY OF COLORADO, DEPARTMENT OF PSYCHOLOGY, BOULDER, COLO. An outcome and process study of intensive therapy.	R01MH-24982-02 (MP) WARREN, DONALD I, INST OF LABOR-INDUST RELATIONS, 401 FOURTH STREET, ANN ARBOR, MICH. Neighborhood helping networks in urban community.
R01MH-24849-01 (PCR) LEWIS, MICHAEL, EDUCATIONAL TESTING SERVICE, PRINCETON, N J. Development of self recognition in infancy.	R01MH-24989-01 (MHSR) KOSEKI, LAWRENCE K, SPECIAL SERV FOR GROUPS, INC, 2400 SOUTH WESTERN AVENUE, LOS ANGELES, CALIF. Asian American national mental health coalition.
R01MH-24854-02 (MHST) ALVAREZ, RODOLFO, UNIVERSITY OF CAL, LOS ANGELES, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Spanish speaking MH research and development program.	R01MH-24990-01 (MHS) CHAPPLE, ELIOT D, RESEARCH DIVISION, ROCKLAND STATE HOSPITAL, ORANGEBURG, N Y. System analysis of individual patient care.
R01MH-24858-01 (MHSR) WILKINSON, CHARLES B, KANSAS CITY MENTAL HLTH FDN, 600 EAST 22ND STREET, KANSAS CITY, MO. Strengths-weakness in Black female headed families.	R01MH-24992-01 (MHSR) TAYLOR, JEROME, LANGLEY HALL, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Development of a curriculum in pediatric psychology.
R01MH-24359-01 (JP) NEFF, FRANKLIN W, INSTITUTE FOR CMNTY STUDIES, 2 WEST 40TH STREET, KANSAS CITY, MO. Program factors and student outcomes in success schools.	R03MH-24996-01 (MSM) MAYER, LAWRENCE S, VIRGINIA POLYTECHNIC INST, AND STATE UNIVERSITY, BLACKSBURG, VA. Estimating the relationship between abstract variables.
R01MH-24862-01 (MP) LOWENTHAL, MARTIN D, BOSTON COLLEGE, SOC WELFARE REG RES INSTITUTE, CHESTNUT HILL, MASS. The economy in urban working class communities.	R03MH-24997-01 (MSM) MALONE, JOHN C, JR, UNIVERSITY OF TENNESSEE, DEPT OF PSYCH, AYLES HALL, KNOXVILLE, TENN. Interactions among operant behaviors (pigeons).
R01MH-24866-02 (JP) DINGES, NORMAN G, BATTELLE HUMAN AFFAIR RES CTR, 4000 N E 41ST STREET, SEATTLE, WASH. Preventive intervention-isolated Navajo families.	R03MH-24998-01 (MSM) SNYDER, MARK, UNIVERSITY OF MINNESOTA, DEPARTMENT OF PSYCHOLOGY, MINNEAPOLIS, MINN. Self-monitoring and consistency in self-presentation.
R01MH-24867-01 (MHS) PROVENCE, SALLY A, 333 CEDAR STREET, NEW HAVEN, CONN. A mental health system for infants and young children.	R03MH-24999-01 (MSM) SNOWDON, CHARLES T, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF WISCONSIN, MADISON, WIS. Communication and social behavior (pygmy marmoset).
R01MH-24872-01 (CD) MEDNICK, SARNOFF A, NEW SCHOOL FOR SOCIAL RESEARCH, 66 WEST 12TH STREET, NEW YORK, N Y. 47,XY and 47,XY males' neurophysiological behavior (human).	R03MH-25004-01 (MSM) GARDNER, GEBALD T, THE UNIVERSITY OF MICHIGAN, 4901 EVERGREEN ROAD, DEARBORN, MICH. Spatial and temporal properties of visual encoding.
R01MH-24874-01 (JP) MISSAKIAN, ELIZABETH A, SYMANON FOUNDATION INC, P O BOX 786, MARSHALL, CALIF. Social behavior of communally reared children.	R03MH-25007-01 (MSM) DOMJAN, MICHAEL P, UNIVERSITY OF TEXAS, MEZES HALL 330, AUSTIN, TEX. Aversion learning motivated by unpalatable flavors (rats).
R01MH-24880-01 (PCR) RUSSO, J EDWARD, UNIV OF CALIFORNIA, SAN DIEGO, DEPT OF PSYCHOLOGY, LA JOLLA, CALIF. The process of choosing (human).	R03MH-25016-01 (MSM) MC ARTHUR, LESLIE A, BRANDEIS UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, WALTHAM, MASS. Effect of mass media on children's sex-role behaviors.
R01MH-24884-01 (ESR) COBB, SIDNEY, BUTLER HOSPITAL, 333 GROTTO AVENUE, PROVIDENCE, R I. Psychiatric epidemiology in Rhode Island.	R12MH-25020-01 (CD) LAMBO, THOMAS A, WORLD HEALTH ORG, 1211 GENEVA, SWITZERLAND, SWITZERLAND. Juvenile justice and mental health impact-Pilot study.
R01MH-24887-01 (SP) HAUENSTEIN, LOUISE S, PROGRAM FOR URBAN HEALTH RES, 405 SOUTH FOURTH STREET, ANN ARBOR, MICH. Attitudes of married women towards work and families.	R01MH-25044-02 (ESR) MERCER, JANE R, UNIVERSITY OF CALIFORNIA, DEPT OF SOCIOLOGY, RIVERSIDE, CALIF. Epidemiology of exceptionalism in school children.
R01MH-24889-01 (MHS) CANTOR, MARJORIE H, NEW YORK CITY OFFICE FOR AGING, 250 BROADWAY, NEW YORK, N Y. Community based program for mentally frail elderly.	R03MH-25052-01 (MSM) WILDEMANN, DONALD G, ASST PROFESSOR OF PSYCHOLOGY, UNIVERSITY OF NORTH CAROLINA, GREENSBORO, N C. Effect of training methods on gradients of inhibition (pigeons).
R01MH-24894-01 (MHS) BERKOWITZ, LOUIS, EDUCATIONAL ALLIANCE, INC, 197 EAST BROADWAY, NEW YORK, N Y. Mutual aid systems approach to school mental health.	R03MH-25033-01 (MSM) ROTHBERG, MEYER A, ROTHBERG, MEYER A, P O BOX 101, PISCATAWAY, N J. Lay conceptions of people who need mental health care.
R01MH-24902-01 (MHS) SPEER, DAVID C, SUICIDE PREV & CRISIS SERVICE, 560 MAIN STREET, SUITE 405, BUFFALO, N Y. Evaluative study of callers to a crisis hotline.	R03MH-25054-01 (MSM) WEINSTEIN, RAYMOND M, DEPARTMENT OF SOCIOLOGY, WILKES COLLEGE, WILKES-BARRE, PA. Stuttering and stutterers-A sociological approach.
R01MH-24908-01 (CPR) LIPSHITZ, KENNETH, ROCKLAND STATE HOSPITAL, RESEARCH CENTER, ORANGEBURG, N Y. Schizophrenia and EEG signal analysis.	R03MH-25057-01 (MSM) BEATTY, WILLIAM W, DEPT OF PSYCHOLOGY, NORTH DAKOTA STATE UNIVERSITY, FARGO, N DAK. Frustration, partial reinforcement and brain lesions (rats).
R01MH-24909-01 (MP) BANERJEE, TRIDIB K, UNIV OF SOUTHERN CALIFORNIA, GRAD PROG OF URBAN & REG PLAN, LOS ANGELES, CALIF. Trade-off preferences in residential environments.	R03MH-25059-01 (MSM) LYTLE, LOY D, MASS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Developmental neurochemical effects of amphetamine (rats).
R03MH-24912-01 (MSM) FISHBEIN, WILLIAM C, U N Y-CITY COLL OF NEW YORK, 138TH STREET & CONVENT AVENUE, NEW YORK, N Y. Augmentation of REM sleep after learning (mice).	R03MH-25060-01 (MSM) FOWLES, DON C, UNIVERSITY OF IOWA, DEPT OF PSYCHOLOGY, IOWA CITY, IOWA. Electrodermal measures of neuroticism and extraversion (human).
R12MH-24924-01 (MHS) OLSON, DONALD E, CENTER FOR DIALOGUE, 2175 N W 26TH STREET, MIAMI, FLA 33412. Exploration of a social change model.	R03MH-25062-01 (MSM) SHIMOFF, ELIOT H, DEPT OF PSYCH U OF MD, BALT C, 5401 WILKENS AVE, BALTIMORE, MD. Tracking of preference for cooperation in human dyads.
R01MH-24934-01 (MHS) WILSON, JOHN P, BOSTON U SCHOOL OF LAW, 207 BAY STATE ROAD, BOSTON, MASS. Rights of adolescents receiving mental health services.	R03MH-25065-01 (MSM) EISENBERG, JOHN F, NATIONAL ZOOLOGICAL PARK, SMITHSONIAN INSTITUTION, WASHINGTON, D C. Social preferences (hamsters).
R01MH-24940-01 (JP) CHAIKIN, ALAN L, OLD DOMINION UNIVERSITY, P O BOX 6173, NORFOLK, VA. Non-verbal mediators of teacher expectancy effects.	R03MH-25067-01 (MSM) HANDEL, GERALD, CITY UNIVERSITY OF NEW YORK, CONVENT AVE AT 138TH STREET, NEW YORK, N Y. Pilot study of experienced life course (human).
R01MH-24947-01 (JP) EIDUSON, BERNICE T, UNIVERSITY OF CALIFORNIA, CENTER FOR HEALTH SCIENCES, LOS ANGELES, CALIF. Child mental health in alternative family styles.	R03MH-25070-01 (MSM) GIBBON, JOHN, N Y STATE PSYCHIATRIC INST, 722 W 168TH STREET, NEW YORK, N Y. Time and association in auto-shaped responding (pigeons).
R01MH-24949-01 (PPR) GREEN, JACK P, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVENUE, NEW YORK, N Y. Drugs, behavior and the cholinergic nervous system.	R01MH-25075-01 (PPR) LYTLE, LOY D, MASS INST OF TECH, 77 MASSACHUSETTS AVE, CAMBRIDGE, MASS. Ontogenetic behavior effects of drugs (rats).
R03MH-24951-01 (MSM) CASEY, KENNETH L, MEDICAL SCIENCE BLDG, UNIV OF MICHIGAN MEDICAL SCH, ANN ARBOR, MICH. Effects of spinal cord lesions spanning dorsal columns (cats).	R03MH-25077-01 (MSM) BINDER, CARL V, WALTER E FERNALD STATE SCHOOL, BOX C, 200 TRAPELO ROAD, WAVERLEY, MASS. Concurrent performances in retarded children.
R01MH-24959-01 (MHS) KAHANA, EVA F, WAYNE STATE UNIVERSITY, DEPARTMENT OF SOCIOLOGY, DETROIT, MICH. Strategies of coping in institutional environments.	R03MH-25078-01 (MSM) KUHAR, MICHAEL J, THE JOHNS HOPKINS UNIV SCH MED, 725 WOLFE STREET, BALTIMORE, MD. Regulation of acetylcholine synthesis (rats).
R01MH-24961-01 (MHS) LEVY, LEON H, INDIANA UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BLOOMINGTON, IND. Self-help groups as mental health resources.	R01MH-25080-01 (MHS) MOTTO, JEROME A, LANGLEY PORTER N P INSTITUTE, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Depressive states and suicide prevention.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO3MH-25083-01 (MSM) SILER, WILLIAM, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Differences in learning dynamics of individuals (goldfish).
- RO1MH-25090-01 (EPR) KLATZKY, ROBERTA L, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, SANTA BARBARA, CALIF. Visual and verbal coding of information.
- RO1MH-25091-02 (NP) QUAY, WILBUR B, UNIVERSITY OF WISCONSIN, 2605 MARSH LANE, MADISON, WIS. Circadian phase shifts and mental health (rats).
- RO3MH-25093-01 (MSM) SLOTKIN, THEODORE A, DUKE UNIVERSITY, DEPT OF PHY & PHARMACOLOGY, DURHAM, N C. Effects of reserpine on maturing adrenal medulla (rats).
- RO1MH-25096-01 (MP) GALE, STEPHEN, UNIVERSITY OF PENNSYLVANIA, PEACE SCIENCE UNIT, PHILADELPHIA, PA. Residential mobility and neighborhood change.
- RO1MH-25101-01 (CPR) BENSON, HERBERT, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Therapy of anxiety-A new psychophysiological approach.
- RO1MH-25104-01 (CPR) SHAPIRO, DAVID, MASSACHUSETTS MENTAL HLTH CTR, 74 FENWOOD ROAD, BOSTON, MASS. Raynaud's disease-Behavioral analysis and treatment.
- RO3MH-25106-01 (MSM) ORNSTEIN, ROBERT E, UNIV OF CALIFORNIA, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. EEG lateral asymmetries in sleep (human).
- RO1MH-25116-01 (CPR) MELTZER, HERBERT Y, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. MAO, DBH and ATPase in psychosis (human).
- R12MH-25121-01 (MHS) LARSEN, JUDITH K, AMERICAN INST FOR RES, P O BOX 1113, PALO ALTO, CALIF. Dissemination and utilization of information.
- RO1MH-25125-01 (SRC) ENGELHARDT, DAVID M, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Long term prognosis in schizophrenia.
- RO3MH-25130-01 (MSM) OGBU, JOHN U, UNIVERSITY OF CALIFORNIA, DEPT OF ANTHROPOLOGY, BERKELEY, CALIF. Analysis of data on educational change (human).
- RO1MH-25133-02 (CPR) SACHAR, EDWARD J, BRONX MUNICIPAL HOSPITAL CTR, PELHAM PKWY S & EASTCHESTER RD, BRONX, N Y. Steroid hormones in depressive illness.
- RO1MH-25133-02 0001 (CPR) SACHAR, EDWARD J. Steroid hormones in depressive illness-Growth hormone responses to ITT and L-dopa (human).
- RO1MH-25133-02 0002 (CPR) SACHAR, EDWARD J. Steroid hormones in depressive illness-Prolactin response to chlorpromazine (human).
- RO1MH-25133-02 0003 (CPR) SACHAR, EDWARD J. Steroid hormones in depressive illness-24 Hour cortisol secretory patterns in affective disorders (human).
- RO1MH-25133-02 0004 (CPR) SACHAR, EDWARD J. Steroid hormones in depressive illness-LH secretion in affective disorders (human).
- RO1MH-25133-02 0005 (CPR) SACHAR, EDWARD J. Steroid hormones in depressive illness-Plasma testosterone (human).
- RO1MH-25133-02 0006 (CPR) SACHAR, EDWARD J. Steroid hormones in depressive illness-Correlations with MHPG excretion and epinephrine (human).
- RO1MH-25133-02 0007 (CPR) SACHAR, EDWARD J. Steroid hormones in depressive illness-Depression and mania in Cushing's syndrome (human).
- RO1MH-25134-01 (EPR) MEDIN, DOUGLAS L, ROCKEFELLER UNIVERSITY, YORK AVE & 66TH STREET, NEW YORK, N Y. Memory processes (monkeys).
- RO1MH-25140-01 (NP) STRICKER, EDWARD M, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF PSYCHOLOGY, PITTSBURGH, PA. Homeostatic origins of motivation (rats).
- RO3MH-25143-01 (MSM) LAWLER, EDWARD J, DEPT OF SOCIOLOGY, THE UNIVERSITY OF IOWA, IOWA CITY, IOWA. The impact of cooptation of coalitional action.
- RO3MH-25144-01 (MSM) KESNER, RAYMOND P, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Brain mechanisms and memory (rats).
- RO1MH-25164-01 (PPR) ISAAC, WALTER, UNIVERSITY OF GEORGIA, DEPT OF PSYCHOLOGY, ATHENS, GA. Paradoxical drug effects on hyperkinesia (squirrel monkeys).
- RO1MH-25168-01 (PPR) STAVINOKHA, WILLIAM B, UNIV OF TEXAS MEDICAL SCHOOL, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Brain metabolism through microwave heating (rats, mice).
- RO1MH-25169-01 (SSR) ROMNEY, ANTOINE K, UNIVERSITY OF CALIFORNIA, SCHOOL OF SOCIAL SCIENCES, IRVINE, CALIF. Cultural variations in cognitive structure.
- RO1MH-25170-01 (PPR) DAVIS, WILBUR M, UNIVERSITY OF MISSISSIPPI, DEPT OF PHARMACOLOGY, UNIVERSITY, MISS. Toxic interaction of opiates with COMT inhibitors.
- RO1MH-25171-01 (SP) WAXLER, NANCY E, 74 FENWOOD ROAD, BOSTON, MASS. Sustaining the sick role-A study of labeling.
- RO1MH-25172-01 (SP) ENTWISLE, DORIS R, JOHNS HOPKINS UNIVERSITY, 307 BARTON HALL, BALTIMORE, MD. Preparation for childbirth and family relationships.
- RO1MH-25174-01 (SSR) SORENSEN, ARTHUR P, JR, S U N Y - AT BINGHAMTON, DEPT OF ANTHROPOLOGY, BINGHAMTON, N Y. Multilingualism in a non-literate culture.
- RO1MH-25177-01 (MHSR) GARDNER, WILLIAM E, RESOURCES FOR HUM DEV, INC, 300 E LANCASTER AVENUE, WYNNEWOOD, PA. Reduce aspiration conflict among minority youth.
- RO3MH-25191-01 (MSM) LUTTGE, WILLIAM G, UNIV OF FLORIDA COLL OF MED, J HILLIS MILLER HLTH CTR, GAINESVILLE, FLA. Neural loci of hormone action in behavior (mice).
- RO3MH-25193-01 (CD) FINGARETTE, HERBERT, UNIVERSITY OF CALIFORNIA, PHILOSOPHY DEPARTMENT, SANTA BARBARA, CALIF. Drug dependency and criminal responsibility.
- RO1MH-25215-01 (JP) BARNETT, ROSALIND C, RADCLIFFE INSTITUTE, 3 JAMES STREET, CAMBRIDGE, MASS. Patterns of competence in pre-school girls.
- RO1MH-25216-01 (MHS) DAHLKE, ARNOLD E, AMERICAN INSTITUTES FOR RES, 10605 CONCORD STREET, KENSINGTON, MD. Helping relationship in diverse subcultures.
- RO1MH-25218-01 (PCR) GREENO, JAMES G, HUMAN PERFORMANCE CENTER, 330 PACKARD, ANN ARBOR, MICH. Spatial reasoning in problem solving.
- RO1MH-25227-01 (JP) PATTERSON, GERALD R, OREGON RESEARCH INSTITUTE, POST OFFICE BOX 3196, EUGENE, OREG. Determinants of aggressive behaviors in children.
- RO1MH-25229-01 (PCR) ROWE, MARY B, UNIVERSITY OF FLORIDA, COLL OF EDUC, 513 WEIL HALL, GAINESVILLE, FLA. Externality and children's problem solving strategies.
- RO1MH-25244-01 (MP) YANCEY, WILLIAM L, TEMPLE UNIVERSITY, DEPT OF SOCIOLOGY, PHILADELPHIA, PA. Ethnicity and community in an urban metropolis.
- PO1MH-25246-01 (MHP) STANTON, ALFRED H, MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. Effects of psychotherapy in schizophrenia-A pilot study.
- RO3MH-25252-01 (MSM) CAMPBELL, RICHARD D, UNIVERSITY OF CALIF IRVINE, IRVINE, CALIF, IRVINE, CALIF. Role of nerve cells in behavior and development (hydra).
- RO1MH-25258-01 (MHS) BLUM, JUNE E, POSTGRADUATE CTR FOR MTL HLTH, 124 EAST 28TH STREET, NEW YORK, N Y. Comparative treatment of emotional problems of aging.
- RO1MH-25259-01 (CPR) PAULING, LINUS C, INST OF ORTHOMOLECULAR MED, 2700 SAND HILL ROAD, MENLO PARK, CALIF. Orthomolecular psychiatry-Diagnosis and therapy.
- RO3MH-25263-01 (CD) ROLLINS, R L, JR, DOROTHEA DIX HOSPITAL, RALEIGH, N C. Factors of assaultive behavior.
- RO1MH-25266-01 (SP) WILKENING, EUGENE A, UNIVERSITY OF WISCONSIN, 1450 LINDEN DRIVE, MADISON, WIS. Personal well-being and environmental factors.
- RO1MH-25268-01 (MHSR) JULIUS, DEBRO, UNIVERSITY OF MARYLAND, INST OF CRIM JUSTICE & CRIMIN, COLLEGE PARK, MD. Minority prison community-Perceptions and practices.
- RO1MH-25271-01 (SSR) MASON, KAREN O, UNIVERSITY OF MICHIGAN, 1225 SOUTH UNIVERSITY AVENUE, ANN ARBOR, MICH. Secondary analysis of sex roles data (human).
- RO1MH-25279-01 (ESR) HARBURG, ERNEST, UNIVERSITY OF MICHIGAN, 201 CATHERINE STREET, ANN ARBOR, MICH. Life change events, risk factors and chronic disease.
- RO1MH-25280-01 (ESR) HARBURG, ERNEST, UNIVERSITY OF MICHIGAN, 201 CATHERINE STREET, ANN ARBOR, MICH. Early life stress, risk factors and chronic disease.
- RO1MH-25281-01 (NP) ROUTTENBERG, ARYEH, NORTHWESTERN UNIV, 619 CLARK STREET, EVANSTON, ILL. Memory consolidation (rats).
- RO1MH-25283-01 (EPR) BAKER, MYRON C, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Social behavior-Ecology of populations (birds).
- RO3MH-25284-01 (MSM) WALDBILLIG, ROBERT J, 2540 38TH AVENUE SOUTH, MINNEAPOLIS, MINN. Blockade of hypothalamic behavior with midbrain lesions (rats, mice).
- RO3MH-25287-01 (MSM) HARRIS, JANE E, DIVISION OF BASIC HLTH SCIENCE, EMORY UNIVERSITY, ATLANTA, GEORGIA. Neuronal control of brain-cyclic nucleotide formation (rats).
- RO1MH-25292-01 (MP) POGELSON, ROBERT M, JOINT CENTER FOR URBAN STUDIES, 53 CHURCH STREET, CAMBRIDGE, MASS. Municipal employee unions-Impact on service delivery.
- RO1MH-25295-01 (CPR) MASUDA, MINORU, UNIVERSITY OF WASHINGTON, DEPT OF PSY & BEHAVIORAL SCIS, SEATTLE, WASH. Sympathetic and adrenocortical lability and illness (human).
- RO1MH-25298-01 (JP) JOHNSON, STEPHEN M, UNIVERSITY OF OREGON, PSYCHOLOGY CLINIC, 1679 AGATE, EUGENE, OREG. Behavioral diagnostic methods for family.
- RO3MH-25300-01 (MSM) TAYLOR, GEORGE T, S U N Y - AT POTSDAM, PIERRE-PORT AVENUE, POTSDAM, N Y. Investigation of the discriminability hypothesis (rats).
- RO3MH-25305-01 (MSM) HAGEN, MARGARET A, 64 CUMMINGTON STREET, BOSTON, MASS, BOSTON, MASS. Pictorial depth perception-A developmental model (children).
- RO1MH-25311-01 (CD) MEDNICK, SARNOFF A, NEW SCHOOL FOR SOCIAL RESEARCH, 65 FIFTH AVENUE, NEW YORK, N Y. Gene-environment interactions and criminality.
- RO3MH-25317-01 (MSM) TAYLOR, ANTHONY, S U N Y - AT CORTLAND, DEPT OF PSYCHOLOGY, CORTLAND, N Y. Mental health services project for elementary schools.
- RO3MH-25319-01 (MSM) STERN, WARREN C, WORCESTER FDN BIO INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. A physiological model of childhood hyperkinesia (rats).
- RO1MH-25323-01 (MP) GOODWIN, LEONARD, BROOKINGS INSTITUTION, 1775 MASSACHUSETTS AVE, N W, WASHINGTON, D C. How policymakers and urban public see social security.
- RO1MH-25329-01 (NP) SPINELLI, D N, UNIVERSITY OF MASSACHUSETTS, DEPT COMPUTER-INFORMATION SCI, AMHERST, MASS. Neuropsychology of visual recognition and perception (cats, monkeys).
- RO1MH-25333-01 (CD) POLK, KENNETH, MARIAN COUNTY YOUTH STUDY, U OF OREG 1859 EAST 15TH AVE, EUGENE, OREG. Evaluation of youth diversion in a small city.
- RO1MH-25336-01 (PPR) BUCKLEY, JOSEPH P, UNIVERSITY OF HOUSTON, CULLEN BLVD, COLL OF PHARM, HOUSTON, TEX. Evaluation of new compounds for psychotropic activity (rats, cats, dogs, monkeys).
- RO3MH-25337-01 (MSM) CORNWELL, PAUL R, PENNSYLVANIA STATE UNIVERSITY, ANIMAL BEHAVIOR RESEARCH LAB, UNIVERSITY PARK, PA. Neonatal brain damage and vision (cats).
- RO3MH-25341-01 (MSM) ZIGMOND, MICHAEL J, 571 CRAWFORD HALL, UNIVERSITY OF PITTS, PITTSBURGH, PENN. Effects of hypoxia on brain monoamines and behavior (rats).
- RO1MH-25344-01 (PCR) CONNOR, JANE M, S U N Y - AT BINGHAMTON, DEPT OF PSYCHOLOGY, BINGHAMTON, N Y. Comparison of recognition and recall.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
R03MH-25345-01 (MSM) JOHNSON, ALAN K, DEPT OF PSY, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Analysis of hormonal mediation of drinking behavior (mammals).	R03MH-25472-01 (MSM) SODERQUIST, DAVID R, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF NORTH CAROLINA, GREENSBORO, N. C. Internal noise and auditory function (human).
R03MH-25349-01 (MSM) ORR, WILLIAM C, VETERANS ADMINISTRATION HOSP, 921 NE 13TH STREET, OKLAHOMA CITY, OKLA. Physiological sleep patterns after open-heart surgery (human).	R12MH-25478-01 (MHP) KLERMAN, GERALD L, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. CRB NIMH collaborative depression studies III-Pilot.
R01MH-25350-01 (CPR) GLOBUS, GORDON G, UNIVERSITY OF CALIFORNIA, COLLEGE OF MEDICINE, IRVINE, CALIF. Learned control of acid secretions in ulcer patients.	R01MH-25479-01 (PPR) SHILLADY, DONALD D, VIRGINIA COMMONWEALTH UNIV, 901 WEST FRANKLIN STREET, RICHMOND, VA. Magnetic circular dichroism of substituted indoles (cockroaches, rats).
R01MH-25351-01 (MHS) PERLMUTTER, FELICE D, SCH OF SOCIAL ADMINISTRATION, TEMPLE UNIVERSITY, PHILADELPHIA, PA. Prevention programs in community mental health centers.	R01MH-25484-01 (MHP) SEROW, WILLIAM J, TAYLOR MURPHY INSTITUTE, POST OFFICE BOX 3430, CHARLOTTESVILLE, VA. Causal models of small southern city change-1960-70.
R02MH-25352-01 (MSM) MICHAELSON, I ARTHUR, UNIV OF CINCINNATI, EDEN AND BETHESDA AVENUES, CINCINNATI, OHIO. Brain dysfunction, hyperactivity and lead exposure (rats).	R01MH-25486-01 (NP) DUNN, ADRIAN J, UNIVERSITY OF FLORIDA, BOX 723, JHM HEALTH CENTER, GAINESVILLE, FLA. Biochemical processes in the formation of memory (animals).
R03MH-25353-01 (MSM) STERN, JUDITH M, RUTGERS COLL, 88 COLLEGE AVENUE, NEW BRUNSWICK, N. J. Maternal behavior and early experience (rats).	R01MH-25495-01 (NP) TURNER, BLAIR H, HOWARD UNIVERSITY, 520 W STREET, N W, WASHINGTON, D. C. Anatomy of visuo- and somatomotor behaviors (rats).
R03MH-25354-01 (MSM) OGILVIE, DANIEL M, RUTGERS STATE UNIV, DEPT OF PSYCHOLOGY, NEW BRUNSWICK, N. J. Personality and person perception.	R01MH-25504-01 (PPR) FLUXE, KJIBLL, KAROLINSKA INSTITUTET, DEPARTMENT OF HISTOLOGY, S-104 01 STOCKHOLM 60, SWED. Neuroleptics and antidepressants on central MAO neurons.
R01MH-25360-01 (EXP) CARON, ROSE F, INFANT LABORATORY SUITE 112, 10620 GEORGIA AVE, SILVER SPRING, MD. Effects of early training on infant discrimination (human).	R01MH-25505-01 (PPR) BERL, SOLL, MIT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE & 100TH STREETS, NEW YORK, N. Y. Drugs, catechol amines and Krebs cycle interaction.
R03MH-25361-01 (MSM) HANCOCK, JOHN C, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Action of amphetamine on cells of the brain (snails).	R03MH-25507-01 (MSM) LEE, CHING-TSE, DEPARTMENT OF PSYCHOLOGY, BROOKLYN COLLEGE, BROOKLYN, N. Y. Pheromones and behavior (mice).
R01MH-25374-01 (SSR) NEBETH, CHABLAN J, UNIVERSITY OF VIRGINIA, DEPT OF PSYCH-GILMER HALL, CHARLOTTESVILLE, VA. Experimental studies in minority influence II (human).	R03MH-25510-01 (MSM) OLSEN, NANCY J, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF SANTA CLARA, SANTA CLARA, CALIF. Authority patterns in three-generation families.
R03MH-25382-01 (MSM) MILLER, ROBERT J, PENNSYLVANIA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY PARK, PA. Psychological differentiation and hypnotizability (human).	P01MH-25515-01 (MHP) KETY, SEYMOUR S, MASSACHUSETTS GENERAL HOSP, FRUIT STREET, BOSTON, MASS. Collaborative biological research on schizophrenia.
R03MH-25384-01 (MSM) GOLD, PAUL E, SCH OF BIOLOGICAL SCIENCES, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Hormonal influences on time-dependent memory processes (rats).	P01MH-25515-01 0001 (MHP) NAUTA, WALLE J H. Collaborative biological research on schizophrenia-Neuroanatomy (monkeys).
R01MH-25388-02 (MHS) HOLDER, HAROLD D, THE HUMAN ECOLOGY INSTITUTE, 10 BARSON PARK AVENUE, WELLESLEY, MASS. Applied training in human service system technology.	P01MH-25515-01 0002 (MHP) SIEMM, H. Collaborative biological research on schizophrenia-Cell biology-Normals, schizophrenics and bipolar depressives (human).
R03MH-25395-01 (MSM) MURPHY, ELIZABETH H, THE UNIVERSITY OF CHICAGO, 5848 SOUTH UNIVERSITY, CHICAGO, ILL. Role of the pulvinar in visual discrimination (monkeys).	P01MH-25515-01 0003 (MHP) BALDESSARINI, ROSS J. Collaborative biological research on schizophrenia-Release of dopamine and other putative neurotransmitters (rats).
R03MH-25396-01 (MSM) CLIFFORD, MARGARET M, UNIVERSITY OF IOWA, DEPT OF EDUCATIONAL PSYCH, IOWA CITY, IOWA. Validity of expectation (children).	P01MH-25515-01 0004 (MHP) BALDESSARINI, ROSS J. Collaborative biological research on schizophrenia-Regulation of the synthesis of dopamine (rats).
R03MH-25397-01 (MSM) FINGER, STANLEY, DEPARTMENT OF PSYCHOLOGY, WASHINGTON UNIVERSITY, ST LOUIS, MO. Serial surgery and tactile recovery (rats).	P01MH-25515-01 0005 (MHP) BALDESSARINI, ROSS J. Collaborative biological research on schizophrenia-Supersensitivity of dopamine receptors in the rat brain.
R03MH-25399-01 (MSM) WEISS, THEODORE, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF PSYCHIATRY, PHILADELPHIA, PA. Operant conditioning of cardiac contractility in man.	P01MH-25515-01 0006 (MHP) BALDESSARINI, ROSS J. Collaborative biological research on schizophrenia-Actions of neuroleptic drugs on synaptic membranes (rats).
R03MH-25484-01 (MSM) FISCHER, CLAUDE S, UNIVERSITY OF CALIFORNIA, 316 WURSTER HALL, BERKELEY, CALIF. Urban social psychology-A network approach.	P01MH-25515-01 0007 (MHP) BALDESSARINI, ROSS J. Collaborative biological research on schizophrenia-Studies of central serotonin-neurons with dihydroxylated tryptamines (rats, cats).
R03MH-25408-01 (MSM) ONDO, JEROME G, MEDICAL COLL OF SO CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Neurotransmitters affecting pituitary hormone release (rats).	P01MH-25515-01 0008 (MHP) MATTHYSSE, S. Collaborative biological research on schizophrenia-Regional effects of phenothiazines on dopamine turnover (cats).
R01MH-25411-01 (MHST) SANCHEZ, RODOLFO B, COSSMO, 507 ECHANDIA STREET, LOS ANGELES, CALIF. COSSMO's national task force on mental health.	P01MH-25515-01 0009 (MHP) MATTHYSSE, S. Collaborative biological research on schizophrenia-Neurological effects of phenothiazines on the mesolimbic dopamine pathway (rats).
R03MH-25412-01 (MSM) BENTLER, PETER M, UNIV OF CALIFORNIA, 405 HILGARD AVE, LOS ANGELES, CALIF. Development of multivariate measurement techniques.	P01MH-25515-01 0010 (MHP) MATTHYSSE, S. Collaborative biological research on schizophrenia-Antipsychotic and non-antipsychotic drugs and animal behavior (Rhesus, rats).
R12MH-25416-01 (MHP) WINOKUR, GEORGE, UNIVERSITY OF IOWA, 500 NEWTON ROAD, IOWA CITY, IOWA. CRB NIMH collaborative studies III-Pilot.	P01MH-25515-01 0011 (MHP) MATTHYSSE, S. Collaborative biological research on schizophrenia-Enzymes of neurotransmitter metabolism in brain samples from schizophrenics.
R01MH-25417-01 (BSR) SEGAL, STEVEN P, UNIVERSITY OF CALIFORNIA, 120 HAVLAND HALL, BERKELEY, CALIF. Reintegrating the mentally ill in the local community.	P01MH-25515-01 0012 (MHP) POPE, A. Collaborative biological research on schizophrenia-Microchemistry of protolysis in human cerebral cortex.
R03MH-25425-01 (MSM) YAHR, PAULINE I, DEPT OF PSYCHOBIOLOGY, UNIV OF CALIFORNIA, IRVINE, CALIF. Neuropsychology of territorial behavior (gerbils).	P01MH-25515-01 0013 (MHP) KETY, SEYMOUR S. Collaborative biological research on schizophrenia-Genetic and environmental factors in the development of schizophrenia.
R12MH-25430-01 (MHP) ROBINS, ELI, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. CRB NIMH collaborative studies III-Pilot.	P01MH-25515-01 0014 (MHP) KETY, SEYMOUR S. Collaborative biological research on schizophrenia-Biological markers or correlates of schizophrenia.
R01MH-25431-01 (MHS) QUESADA, GUSTAVO M, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Epidemiology of acceptance of mental health services.	P01MH-25515-01 0015 (MHP) MATTHYSSE, S. Collaborative biological research on schizophrenia-Genetic and biochemical studies on high density schizophrenic pedigrees.
R01MH-25433-01 (CPP) MENDELS, JOE, VETERANS ADMINISTRATION HOSP, UNIVERSITY & WOODLAND AVENUES, PHILADELPHIA, PA. Electrolyte transport systems in affective illness (rabbits).	P01MH-25515-01 0016 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Tests of tubero-infundibular dopamine system in schizophrenics (human, monkeys).
R01MH-25435-01 (CPR) WELNER, AMOS, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. The group of schizoaffective and related psychoses.	P01MH-25515-01 0017 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Thermoregulation as a test of hypothalamic dopamine activity in schizophrenics.
R01MH-25438-01 (JP) BEBOUT, JAMES E, DIRECTOR, T.I.E. PROJECT, 2728 SHASTA, BERKELEY, CALIF. Talent in interpersonal exploration groups (human).	P01MH-25515-01 0018 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Gamma-aminobutyric acid agonists in the treatment of schizophrenia.
R01MH-25444-01 (PPR) MABGOWYN-DAVIS, GERTRUDE D, GEORGETOWN UNIVERSITY, 37TH AND O STREETS, N. W, WASHINGTON, D. C. Drugs, aggression and neurochemistry (mice).	P01MH-25515-01 0019 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Platelet monoamine oxidase activity and blood histamine levels in schizophrenics.
R12MH-25447-01 (MHP) MENDELS, JOE, VETERANS ADMINISTRATION HOSP, UNIVERSITY & WOODLAND AVENUES, PHILADELPHIA, PA. CRB NIMH collaborative depression studies III-Pilot.	P01MH-25515-01 0020 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Histamine concentration in the brains of patients with schizophrenia.
R03MH-25452-01 (MSM) HIMWICH, HAROLD E, GALESBURG STATE RES HOSPITAL, 1801 NORTH SEMINARY STREET, GALESBURG, ILL. Early infantile autism (human).	P01MH-25515-01 0021 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Indole amine hypothesis of schizophrenia-N,N-dimethyltryptamine in schizophrenia.
R03MH-25461-01 (MSM) VINOKUR, AMIRAM, UNIVERSITY OF MICHIGAN, P O BOX 1248, ANN ARBOR, MICH. Life events, stress, and mental distress.	P01MH-25515-01 0022 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Transmethylation in schizophrenics who 'respond' to methionine loading.
R03MH-25470-01 (MSM) HALE, NATHAN G, UNIV OF CALIFORNIA RIVERSIDE, 478 MICHIGAN AVENUE, BERKELEY, CALIF. Psychoanalytic influence in America after 1917.	P01MH-25515-01 0023 (MHP) LIPINSKI, J. Collaborative biological research on schizophrenia-Effects of drugs on tardive dyskinesias in schizophrenics.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01MH-25520-01 (MHSR) HAYES, WILLIAM A, WESTSIDE CMNTY MENT HLTH CTR, 2201 SUTTER STREET, SAN FRANCISCO, CALIF. Data systems for minority mental health services.

R01MH-25521-01 (CPR) REICH, THEODORE, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Genetics of manic depressive illness-Bipolar type.

R01MH-25525-01 (MP) ZABLOCKI, BENJAMIN D, CTR FOR POLICY RESEARCH, INC, 475 RIVERSIDE DRIVE, NEW YORK, N Y. Investment of self in an urban group.

R01MH-25534-01 (SSR) BRONFENBRENNER, URIE, CORNELL UNIVERSITY, 123 DAY HALL, ITHACA, N Y. The ecology of upbringing (human).

R01MH-25536-01 (SSR) SCHOPLER, JOHN H, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PSYCHOLOGY, CHAPEL HILL, N C. Attributions of social power.

R03MH-25543-01 (MSM) SHAYER, PHILLIP R, 314 SCHERMERHORN HALL, SOCIAL PSYCHOLOGY LABORATORY, NEW YORK, N Y. Measuring some effects of self-awareness (human).

R03MH-25544-01 (MSM) MOESCHBERGER, MELVIN L, UNIV OF MISSOURI, UNIVERSITY HALL, COLUMBIA, MO. Concomitant information in competing risk theory.

R01MH-25546-01 (CPR) KLEIN, MARJORIE H, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Psychotherapy of depression-Computer outcome measures.

R01MH-25547-01 (PCR) SHIELDON, ELEANOR B, SOCIAL SCI RESEARCH COUNCIL, 230 PARK AVENUE, NEW YORK, N Y. Committee on work and personality in the middle years.

R01MH-25548-01 (CD) PATTERSON, GERALD R, OREGON RESEARCH INSTITUTE, P O BOX 3196, EUGENE, OREG. Community based treatment and prevention.

R01MH-25551-01 (MHSR) GARY, LAWRENCE E, HOWARD UNIVERSITY, P O BOX 191, WASHINGTON, D C. Mental health R and D center in black communities.

R01MH-25553-01 (MHSR) BLACK, MAUREEN, 190 NORTH OVAL DRIVE, COLUMBUS, OHIO, COLUMBUS, OHIO. Pre college social development program.

R03MH-25561-01 (MSM) JOHNSON, KATHRYN P, PURDUE UNIVERSITY, WEST LAFAYETTE, IND. Measurement of alienation (human).

R03MH-25565-01 (CD) BIRDSALL, WILLIAM C, RM 1065 - FRIEZE BUILDING, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Economics of criminal behavior.

R03MH-25567-01 (CD) MC DONOUGH, JOSEFINA F, LSA BLDG, 3RD FL, DEPT OF SOC, THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Administration of juvenile justice-Comparative analysis (Brazil, United States).

R01MH-25568-01 (CPR) STUNKARD, ALBERT J, STANFORD UNIVERSITY, DEPARTMENT OF PSYCHIATRY, STANFORD, CALIF. Clinical and experimental study of human obesity.

R12MH-25570-01 (MHS) MENN, ALMA Z, MENTAL RESEARCH INSTITUTE, 555 MIDDLEFIELD ROAD, PALO ALTO, CALIF. Soteria II-Replication of an alternative to hospitalization.

R13MH-25572-01 (PPR) STUMPF, WALTER E, UNIVERSITY OF NORTH CAROLINA, 111 SWING BUILDING, CHAPEL HILL, N C. Conference on neurobiology of CNS-hormone interactions.

R01MH-25580-01 (MHSR) KING, LEWIS M, CHARLES DREW POSTGRADUATE MED, 1620 EAST 119TH STREET, LOS ANGELES, CALIF. Fanon mental health research and development centers (FRDC).

R01MH-25585-01 (SSR) DRABMAN, RONALD S, FLORIDA TECHNOLOGICAL UNIVERSITY, BOX 25000, ORLANDO, FL. Televised violence and tolerance of aggression.

R01MH-25586-01 (MHS) BARTON, ALLEN H, BUREAU OF APPLIED SOCIAL RES, 605 WEST 115TH STREET, NEW YORK, N Y. Factors affecting the decision relevance of research.

R01MH-25587-01 (JP) RODMAN, HYMAN, MERRILL-PALMER INSTITUTE, 71 EAST FERRY AVENUE, DETROIT, MICH. Social class and parents' aspiration.

R01MH-25589-01 (MHSR) HUEY, LIGHTON Y, 2400 SOUTH WESTERN AVE, 0207, LOS ANGELES, CALIF. LOS ANGELES, CALIF. Asian American mental health research center.

R01MH-25593-01 (EPR) WRIGHT, ANTHONY A, UNIVERSITY OF TEXAS, 6420 LAMAR FLEMING BLVD, HOUSTON, TEX. Color naming-A model system of coding.

R01MH-25594-01 (NP) HILLYARD, STEVEN A, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Electrophysiological studies of selective perception (human).

R01MH-25601-01 (PPR) STOLK, JON M, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF PSYCHIATRY, HANOVER, N H. Brain dopamine-beta-hydroxylase regulation and behavior.

R01MH-25604-01 (CD) MALONEY, DENNIS M, WESTERN CAROLINA CENTER, ENOLA RD, MORGANTON, N C. Evaluation of group homes for delinquent youths.

R03MH-25612-01 (MSM) JEFFREY, WENDELL E, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Cognitive tempo & problem-solving competence.

R01MH-25614-01 (SSR) SOUTHWORTH, FRANKLIN C, 315 RIVERSIDE DRIVE, NEW YORK, N Y. Linguistic heterogeneity and social function.

R01MH-25617-01 (MP) CURTIS, LYNN A, BUREAU OF SOCIAL SCIENCE RES, 1990 M STREET N W, WASHINGTON, D C. Alternative inner city policy.

R12MH-25619-01 (MHS) KIRSUK, THOMAS J, MINNEAPOLIS MED RES FDN, 619 SOUTH FIFTH STREET, MINNEAPOLIS, MINN. A resource center for program evaluation.

R01MH-25621-01 (NP) REEVES, ALEXANDER G, DARTMOUTH-HITCHCOCK MED CTR, DIVISION OF NEUROLOGY, HANOVER, N H. Forebrain lesions and affective behavior (cats, monkeys).

R12MH-25625-01 (MHSR) BRADSHAW, WALTER H, JR, 2260 6TH STREET, N W, WASHINGTON, D C. Development of mental health model for minorities.

R03MH-25626-01 (MSM) TURNER, CHARLES W, UNIVERSITY OF UTAH, DEPARTMENT OF PSYCHOLOGY, SALT LAKE CITY, UTAH. Delayed effects of aggressive stimulation (human).

R03MH-25630-01 (MSM) BERNTSON, GARY G, THE OHIO STATE UNIVERSITY, 1314 KINNEAR ROAD, COLUMBUS, OHIO. Organization of lower brainstem behavioral systems (cats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01MH-25631-01 (CD) JONES, RICHARD R, OREGON RESEARCH INSTITUTE, P O BOX 3196, EUGENE, OREG. Achievement place evaluation.

R03MH-25641-01 (MSM) AULT, RUTH L, UNIVERSITY OF UTAH, DEPT OF PSYCHOLOGY, SALT LAKE CITY, UTAH. Children's conceptual tempo-Accuracy and speed.

R01MH-25642-01 (PPR) REISER, MORTON F, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Neurobiological basis of major psychiatric disorders.

R01MH-25643-01 (NP) GAZZANIGA, MICHAEL S, S U N Y - AT STONY BROOK, SOCIAL SCIENCE BUILDING A, STONY BROOK, N Y. Comparative studies on neural mechanisms (human, monkeys, pigeon).

R01MH-25644-01 (PPR) GLICK, STANLEY D, MT SINAI SCHOOL OF MEDICINE, 100TH ST & FIFTH AVENUE, NEW YORK, N Y. Psychopharmacological changes following brain damage (mice, rats).

R01MH-25645-01 (PPR) PORREST, IRENE S, CHIEF, BIOCHEM RES LAB 151F, V A HOSPITAL, PALO ALTO, CA. Chlorpromazine excretion-Isotope vs chemical assay.

R03MH-25649-01 (MSM) NONNEMAN, ARTHUR J, UNIVERSITY OF KENTUCKY, 214 KASTLE HALL, LEXINGTON, KY. Recovery from frontal cortex damage in infants (rats).

R03MH-25651-01 (MSM) HALL, SHARON M, UNIV OF WISCONSIN MILWAUKEE, 3400 N MARYLAND AVENUE, MILWAUKEE, WIS. Enhancement of weight loss after behavioral treatment.

R13MH-25655-01 (MHSR) MIYOSHI, NOBU, 5000 SPRUCE STREET, PHILADELPHIA, PA. Identity crisis of the Samsel.

R03MH-25657-01 (MSM) ROSEN, GERALD M, UNIVERSITY OF OREGON, PSYCHOLOGY CLINIC, EUGENE, OREG. Evaluating self-administered desensitization.

R03MH-25659-01 (MSM) DAVIS, JOHN M, DEPARTMENT OF PSYCHOLOGY, DUKE UNIVERSITY, DURHAM, N C. Socially induced flight reactions (birds).

R03MH-25660-01 (MSM) MARSHALL, JOHN F, 442 LANGLEY HALL, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Hypothalamic control of sensorimotor functions (rats).

R03MH-25661-01 (MSM) SAJWAY, THOMAS, DEPT OF PSYCHIATRY-HUMAN BEH, UNIV MISSISSIPPI SCHOOL OF MED, JACKSON, MISS. Control of rumination in children.

R01MH-25666-01 (SP) BLECHMAN, ELAINE A, 501 GEORGE STREET, NEW HAVEN, CONN. Training single parent families to problem solve.

R01MH-25669-01 (CPR) ITIL, TUKAN M, INT ASSOC FOR PSYCH RES INC, POST OFFICE BOX 269, GREAT NECK, N Y. Neurophysiological studies in high risk children.

R03MH-25680-01 (MSM) SCHONEMANN, PETER M, PURDUE RESEARCH FOUNDATION, PURDUE UNIVERSITY, WEST LAFAYETTE, IND. Reduced rank decompositions of random variables.

R01MH-25688-01 (SSR) SPIRO, MELFORD E, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Culturally constituted defenses in three groups (micronesia, Israel, Burma).

R03MH-25690-01 (MSM) MATHERS, LAWRENCE H, STANFORD UNIVERSITY, DEPT OF ANATOMY, STANFORD, CALIF. Axonal plasticity in superior colliculus (rabbits).

R03MH-25699-01 (MSM) POX, JAMES J, HARVARD UNIVERSITY, 33 KIRKLAND STREET, CAMBRIDGE, MASS. Lexical analysis of dyadic language.

R03MH-25713-01 (MSM) BIBER, MARGARET C, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Factors regulating tryptophan hydroxylase in brain (rodents, mollusks).

R03MH-25721-01 (MSM) COLEMAN, PAUL D, UNIVERSITY OF ROCHESTER, DEPT OF ANATOMY, ROCHESTER, N Y. Neural structure in mental deficiency.

R03MH-25722-01 (MSM) COOPER, LYNN A, UNIV OF CALIFORNIA, SAN DIEGO, DEPT OF PSYCHOLOGY, LA JOLLA, CALIF. Effects of spatial complexity on mental operations (human).

R03MH-25726-01 (CD) SHAPPER, DAVID R, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF GEORGIA, ATHENS, GA. Effects of withheld evidence on juror decisions.

R03MH-25736-01 (MSM) HARVEY, JOHN H, VANDERBILT UNIVERSITY, DEPT OF PSYCHOLOGY, NASHVILLE, TENN. Actor-observer differences in attributions of causality.

R03MH-25787-01 (MSM) HIBBS, DOUGLAS A, JR, MASSACHUSETTS INST OF TECH, DEPT OF POLITICAL SCI, CAMBRIDGE, MASS. Social conflict in industrial societies.

R03MH-25747-01 (MSM) KRISTAL, MARK B, S U N Y - AT BUFFALO, 4230 RIDGE LEA ROAD, BUFFALO, N Y. Biological control of placitophagia (rats).

R03MH-25749-01 (MSM) PURDY, ROSS L, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF SOCIOLOGY, CHAPEL HILL, N C. The demography of depopulation.

R03MH-25760-01 (MSM) GORDON, WILLIAM C, S U N Y W - AT BINGHAMTON, DEPT OF PSYCHOLOGY, BINGHAMTON, N Y. Effect of retrieval on stored information (rats).

R03MH-25771-01 (MSM) MENEZ, HERMINIA Q, CALIFORNIA STATE COLL, SONOMA, 1801 EAST COTATI AVENUE, ROHNERT PARK, CALIF. Relationship between mythology and mental illness (Philippines).

R03MH-25772-01 (MSM) NAVARICK, DOUGLAS J, CALIFORNIA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, FULLERTON, CALIF. Quantitative aspects of choice behavior (pigeons).

R03MH-25779-01 (CD) REPUCCI, NICHOLAS D, YALE U - CTR FOR STUDY OF ED, 70 SACHEM STREET, NEW HAVEN, CONN. Change in a correctional facility for delinquents.

R03MH-25782-01 (MSM) HULL, ELAINE M, S U N Y - AT BUFFALO, 4230 RIDGE LEA ROAD, AMHERST, N Y. Hormonal mechanisms in aggression (gerbils).

R13MH-25786-01 (MHSR) REID, INEZ, 1028 CONNECTICUT AVENUE, N W, WASHINGTON, D C. WASHINGTON, D C. Miniconsultation on the mental and physical health of black women.

R03MH-25793-01 (MSM) DINERMAN, INA R, 42 MILTON STREET, FALL RIVER, MASS. Socio-economic factors in emerging entrepreneurship.

R03MH-25814-01 (MSM) QUINN, NAOMI R, DUKE UNIVERSITY, DEPT OF ANTHROPOLOGY, DURHAM, N C. Decision making in natural settings (human).

R03MH-25815-01 (MSM) MARVIN, ROBERT S, 2D, DEPT OF PSYCHOLOGY, UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. Development of role- and conceptual perspective-taking (children).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO3MH-25822-01 (MSM) **SHERSHOW, JOHN C.**, MASSACHUSETTS GENERAL HOSP, BULFINCH 3, BOSTON, MASS. Carbon dioxide sensitivity and psychopathology.
- RO3MH-25824-01 (MSM) **WEN, JOYCE**, YESHIVA UNIVERSITY, 55 FIFTH AVENUE, NEW YORK, N.Y. Methods to analyze temporal relations in language (children).
- RO3MH-25825-01 (MSM) **SWAP, WALTER C.**, TUFTS UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, MEDFORD, MASS. Exposure, attraction, and affiliation (human).
- RO3MH-25827-01 (MSM) **TAYLOR, SHELLEY E.**, HARVARD UNIVERSITY, 1346 WILLIAM JAMES HALL, CAMBRIDGE, MASS. Interpersonal stereotyping—A cognitive approach.
- RO3MH-25828-01 (MSM) **SILVER, RAE**, INSTITUTE OF ANIMAL BEHAVIOR, 101 WARREN STREET, NEWARK, N.J. Hormones and behavior (doves, rats).
- RO1MH-25834-01 (SSR) **ELDER, GLEN H., JR.**, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF SOCIOLOGY, CHAPEL HILL, N.C. Social change in the family and life course.
- RO1MH-25844-01 (ESR) **MENKES, AVIVA**, BERKELEY, CALIF, SCHOOL OF CRIMINOLOGY, BERKELEY, CALIF. Community organization and psychiatric disorder (Israel).
- RO1MH-25845-01 (CPR) **EHRLICHMAN, HOWARD**, 33 WEST 42ND STREET, NEW YORK, N.Y., NEW YORK, N.Y. Sleep mentation and functional hemispheric asymmetry.
- RO1MH-25855-01 (CPR) **RITZLER, BARRY A.**, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N.Y. Proprioception and cognitive disorders in schizophrenia.
- RO1MH-25860-01 (MP) **JENSEN, RICHARD J.**, THE NEWBERRY LIBRARY, 60 WEST WALTON STREET, CHICAGO, ILL. Social predictors of American mobility 1875-1915.
- RO3MH-25868-01 (MSM) **RAYNER, KEITH**, UNIVERSITY OF ROCHESTER, COLLEGE OF EDUCATION, ROCHESTER, N.Y. Perceptual span and peripheral cues in reading.
- RO3MH-25873-01 (MSM) **MORRISON, FREDERICK J.**, DEPT OF PSYCHOLOGY, DARTMOUTH COLLEGE, HANOVER, N.H. Development studies of attention (human).
- RO3MH-25876-01 (MSM) **ERDELYI, MATTHEW H.**, BROOKLYN COLLEGE CUNY, 1411 BROADWAY, NEW YORK, N.Y. Hypernesia—induction and cognitive control.
- RO3MH-25879-01 (MSM) **AHEARN, BOSTON COLLEGE, MCGUINN 115, CHESTNUT HILL, MASS.** Socio-psychological effects of an earthquake.
- RO3MH-25880-01 (MSM) **HUGGINS, SARA E.**, UNIVERSITY OF HOUSTON, 3801 CULLEN BOULEVARD, HOUSTON, TEX. Relation of basal ganglia to muscle tone (crocodilians).
- RO3MH-25881-01 (CD) **ARCHER, DANE**, COLLEGE FIVE, UNIV OF CALIFORNIA, SANTA CRUZ, CALIF. Comparative analysis of rates of violent crimes.
- RO3MH-25883-01 (MSM) **CHASE, SHERLA**, HUNTER COLLEGE, 695 PARK AVENUE, NEW YORK, N.Y. Development of continuous repertoires (pigeons).
- RO3MH-25884-01 (MSM) **SPIRITO, CARL P.**, UNIVERSITY OF VIRGINIA, DEPT OF BIOLOGY, CHARLOTTESVILLE, VA. Neural hierarchies and the control of movement (crabs).
- RO3MH-25889-01 (CD) **SAVITSKY, JEFFREY C.**, DEPT OF PSYCHOLOGICAL SCIENCE, PURDUE UNIVERSITY, WEST LAFAYETTE, IND. Emotion communication and aggressive delinquency.
- RO3MH-25891-01 (MSM) **MORGAN, WILLIAM R.**, INDIANA UNIVERSITY, DEPARTMENT OF SOCIOLOGY, BLOOMINGTON, IND. Relative deprivation, militancy and aspirations.
- RO3MH-25894-01 (MSM) **RUNDUS, DEWEY J.**, UNIV OF SOUTH FLORIDA, 4202 FOWLER AVENUE, TAMPA, FLA. Computer simulation model of free-recall.
- RO3MH-25908-01 (MSM) **ANGER, DOUGLAS G.**, UNIVERSITY OF MISSOURI, PSYCHOLOGY DEPARTMENT, COLUMBIA, MO. Control of oscillation in reinforcement schedules (rats).
- RO3MH-25913-01 (MSM) **DOHERTY, MICHAEL E.**, BOWLING GREEN STATE UNIV, DEPARTMENT OF PSYCHOLOGY, BOWLING GREEN, OHIO. The perception of correlations between cues.
- RO3MH-25916-01 (MSM) **PERPER, TIMOTHY P.**, LIVINGSTON COLLEGE, BIO DEPT, BLDG 4088, NEW BRUNSWICK, N.J. Heritability of temporal patterning of behavior (rats).
- RO3MH-25920-01 (MSM) **BURGER, JOANNA**, RUTGERS UNIVERSITY, LIVINGSTON COLLEGE, NEW BRUNSWICK, N.J. Circadian patterns in courtship behavior (lovebirds).
- RO3MH-25921-01 (MSM) **CASSON, RONALD W.**, DUKE UNIVERSITY, ANTHROPOLOGY DEPARTMENT, DURHAM, N.C. Language use and political interaction (Turkey).
- RO3MH-25924-01 (MSM) **ELLIOTT, LEE A.**, CALIF STATE COLL STANISLAUS, 800 MONTE VISTA AVENUE, TURLOCK, CALIF. Early child cognition—Visual versus verbal memory.
- RO3MH-25926-01 (MSM) **RHEES, REUBEN W.**, BRIGHAM YOUNG UNIVERSITY, 699 WIDTSON BUILDING, PROVO, UTAH. Corticosterone binding in the rat brain.
- RO1MH-25935-01 (CPR) **WATT, NORMAN F.**, UNIVERSITY OF MASSACHUSETTS, 612 TOBIN HALL, AMHERST, MASS. Social competence and behavior style in mental patients.
- RO3MH-25945-01 (MSM) **KOOPMANS, HENRY S.**, COLUMBIA UNIVERSITY, SCHERMERHORN HALL, NEW YORK, N.Y. The satiation of hunger (rats).
- RO3MH-25946-01 (MSM) **LEIMAN, ARNOLD L.**, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, BERKELEY, CALIF. Neurophysiological studies of mutant cerebellar cultures (mice).
- RO3MH-25947-01 (MSM) **GOLDMAN, BRUCE D.**, UNIVERSITY OF CONNECTICUT, DEPT OF BIOBEHAVIORAL SCIS, STORRS, CONN. Seasonal effects on reproductive states.
- RO1MH-25996-01 (MP) **BOHANNAN, PAUL J.**, 1150 SILVERADO STREET, LA JOLLA, CALIF. LA JOLLA, CALIF. Unseen community—Marginal urban population.
- RO3MH-26002-01 (MSM) **SHANTEAU, JAMES C.**, KANSAS STATE UNIVERSITY, ANDERSON HALL, MANHATTAN, KANS. Multi-solution analysis of problem solving.
- RO3MH-26004-01 (MSM) **HARVEY, CAROL D.**, BOISE STATE COLLEGE, 1910 COLLEGE BOULEVARD, BOISE, IDAHO. Silver Valley flood—Social psychological effects.
- RO3MH-26042-01 (MSM) **HUNTER, ALBERT D.**, UNIVERSITY OF ROCHESTER, SOCIOLOGY DEPARTMENT, ROCHESTER, N.Y. Replication of research on a metropolitan area (human).
- RO3MH-26047-01 (MSM) **TANGUAY, PETER E.**, UNIVERSITY OF CALIFORNIA, NEUROPSYCHIATRIC INSTITUTE, LOS ANGELES, CALIF. Hemispheric specialization—Auditory evoked responses.
- RO3MH-26049-01 (MSM) **HAMILTON, DAVID L.**, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Interfacial perception and interaction.
- RO3MH-26050-01 (MSM) **WYNNIE, LYMAN C.**, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N.Y. Infant temperament and child rearing (Kenya).
- RO3MH-26052-01 (MSM) **WRIGHT, GERALD C., JR.**, FLORIDA ATLANTIC UNIVERSITY, DEPT OF POLITICAL SCIENCE, BOCA RATON, FLA. Contextual influences on individual choice behavior.
- RO1MH-26069-01 (PCR) **EBBESSEN, EBBE B.**, UNIVERSITY OF CALIF SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Cognitive factors in learning by example.
- RO1MH-26073-01 (PCR) **CHASE, WILLIAM G.**, CARNEGIE-MELLON UNIVERSITY, SCHENLEY PARK, PITTSBURGH, PA. Elementary information processing (human).
- RO3MH-26087-01 (MSM) **WORTMAN, CAMILLE B.**, NORTHWESTERN UNIVERSITY, DEPT OF PSYCHOLOGY, EVANSTON, ILL. Effects of random assignment to control treatment.
- RO1MH-26092-01 (CD) **ROBITSCHER, JONAS B.**, EMORY UNIVERSITY, SCHOOL OF MEDICINE, ATLANTA, GA. Dangerousness and psychiatric commitment study.
- RO1MH-26098-01 (CD) **OSTFELD, ADRIAN N.**, 60 COLLEGE STREET, NEW HAVEN, CONN. NEW HAVEN, CONN. Stress, crowding and blood pressure in prison.
- RO1MH-26099-01 (MHSR) **PADILLA, AMADO M.**, UNIVERSITY OF CALIFORNIA, SH 1314, SANTA BARBARA, CALIF. Mental health service utilization by Mexican Americans.
- RO1MH-26103-01 (MHSR) **FALK, LESLIE A.**, MEHARRY MEDICAL COLLEGE, 1005 18TH AVENUE NORTH, NASHVILLE, TENN. Black abolitionist physicians in 19th century USA.
- RO1MH-26105-01 (MP) **FERMAN, LOUIS A.**, INST OF LABOR & INDUS RELATION, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH. Irregular economy—Urban adaptation to unemployment.
- RO1MH-26112-01 (MSM) **BIENER, LOIS B.**, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF PSYCHOLOGY, BOSTON, MASS. The persuasive power of discrepant minorities.
- RO3MH-26113-01 (MSM) **CANTOR, MICHAEL B.**, COLUMBIA UNIVERSITY, 352 SCHERMERHORN HALL, NEW YORK, N.Y. Effects on the reinforcing value of brain stimulation (rats).
- RO1MH-26124-01 (CD) **CHRISTOPHERSEN, EDWARD R.**, JUNIPER GARDENS CHILDREN'S PRO, 2021 NORTH 3RD STREET, KANSAS CITY, KANS. Home-based treatment of the juvenile probationer.
- RO1MH-26130-01 (CD) **FELDMAN-SUMMERS, SHIRLEY A.**, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PSYCHIATRY ZD 15, SEATTLE, WASH. Psychological impact of rape on the victim.
- RO1MH-26131-01 (CD) **BROWN, HOSEPHINE V.**, DEPARTMENT OF PSYCHOLOGY, 33 GILMER STREET S E, ATLANTA, GA. Abnormal mother-infant behavior and child abuse.
- RO1MH-26141-01 (CD) **ELLIOTT, DELBERT S.**, BEHAVIORAL RESEARCH INST, 2305 CANYON BLVD, SUITE 105, BOULDER, COLO. Diversion—A study of alternative processing practices.
- RO3MH-26151-01 (MSM) **SIMPSON, JOHN B.**, UNIVERSITY OF PENNSYLVANIA, JOSEPH LEIDY LABORATORIES, PHILADELPHIA, PA. Hormonal control of drinking and brain systems (rats).
- RO1MH-26154-01 (MP) **BRENNER, M HARVEY**, JOHNS HOPKINS UNIVERSITY, SCH OF HYG & PUB HEALTH, BALTIMORE, MD. Economic change and social pathologies in urban area.
- RO3MH-26156-01 (MSM) **LEWINSOHN, PETER M.**, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF OREGON, EUGENE, OREG. Remediation of memory disorder.
- RO3MH-26160-01 (MSM) **TAVORAMNA, JOSEPH B.**, UNIV OF VIRGINIA, DEPT OF PSYCHOLOGY, CHARLOTTESVILLE, VA. Psychological effects of camp on handicapped children.
- RO3MH-26164-01 (MSM) **SHAPPER, DAVID R.**, DEPT OF PSYCHOLOGY, UNIVERSITY OF GEORGIA, ATHENS, GA. Dissonance vs self-perception in self-persuasion.
- RO3MH-26166-01 (MSM) **VESTAL, BEDFORD M.**, OKLAHOMA CITY ZOO, ROUTE ONE, BOX 478, OKLAHOMA CITY, OKLA. Social interactions in natural populations (mice).
- RO3MH-26168-01 (MSM) **FOREIT, KAREN G.**, BROOKLYN COLLEGE OF THE CUNY, DEPT OF PSYCHOLOGY, BROOKLYN, N.Y. Short-lived acoustic memory in children and adults.
- RO1MH-26169-01 (PCR) **CARROLL, JOHN B.**, DEPARTMENT OF PSYCHOLOGY, U OF NORTH CAROLINA, CHAPEL HILL, N.C. Nature of certain linguistic abilities.
- RO3MH-26180-01 (MSM) **MORTIMER, JEYLAN T.**, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN. Father's work, family relations, and career choice.
- PO1MH-26183-01 (MHP) **KNAPP, PETER H.**, BOSTON UNIVERSITY, 75 E NEWTON ST, BOSTON, MASS. Inter-hospital study of psychotherapy of schizophrenia.
- RO1MH-26184-01 (MP) **ROSSI, PETER H.**, DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Racial and socio-economic pluralism in a new town.
- RO3MH-26189-01 (MSM) **GLIDDEN, LARAJNE M.**, COLUMBIA UNIV TEACHERS COLL, NEW YORK, N.Y. Organization and memory in children.
- RO1MH-26196-01 (CPP) **HOGARTY, GERARD E.**, U OF PENNA, 3811 O'HARA STREET, PITTSBURGH, PA. Analysis—Collaborative outpatient schizophrenia.
- RO1MH-26207-01 (MHS) **LIBERMAN, ROBERT P.**, CAMARILLO STATE HOSPITAL, BOX A - RESEARCH PROGRAMS, CAMARILLO, CALIF. Behavioral analysis & modification in a community mental health center.
- RO3MH-26209-01 (MSM) **VALLIAN, VIRGINIA V.**, CITR UNIV OF NEW YORK, 32 WEST 42 STREET, NEW YORK, N.Y. Linguistic structure in speech processes.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO3MH-26213-01 (MSM) GUTKIN, DANIEL C, LAFAYETTE COLLEGE, PSYCHOLOGY DEPARTMENT, EASTON, PA. Level of intent and moral intentional judgments (children).
- RO1MH-26232-01 (SP) LOPICCOLO, JOSEPH, PSYCHOLOGY DEPARTMENT, UNIV OF HOUSTON, HOUSTON, TEXAS. Behavioral approach to marital dysfunction.
- RO1MH-26236-01 (PPR) ALTURA, BURTON M, S U N Y - DOWNSIDE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Interaction of alcohol, barbiturates and narcotics.
- RO1MH-26237-01 (PPR) FRIEDEL, ROBERT O, DEPT OF PSYCHIATRY & BEHAV SCI, UNIV OF WASHINGTON, SEATTLE, WASH. Biogenic amine and CNS phospholipid metabolism.
- RO1MH-26237-01 0001 (PPR) FRIEDEL, ROBERT O. Biogenic amine and CNS phospholipid metabolism-CNS phospholipids and biogenic amines, hormones and psychotropic drugs (rats).
- RO1MH-26237-01 0002 (PPR) FRIEDEL, ROBERT O. Biogenic amine and CNS phospholipid metabolism-Biogenic amine subcellular and molecular effects on CNS phospholipid metabolism.
- RO1MH-26237-01 0003 (PPR) FRIEDEL, ROBERT O. Biogenic amine and CNS phospholipid metabolism-Mechanisms of action of biogenic amines on CNS phospholipid metabolism (rats).
- RO1MH-26239-01 (CPR) KANFER, FREDERICK M, UNIVERSITY OF ILLINOIS, DEPT OF PSYCHOLOGY, CHAMPAIGN, ILL. Human self regulation.
- RO1MH-26251-01 (NP) GOLD, RICHARD M, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. CNS regulation of eating and drinking behavior (rats).
- NO1MH-30008-00 (**) UNIV OF KANSAS, LAWRENCE KAN. Synthesis and assay of S-adenosylmethionine analogues.
- NO1MH-30010-00 (**) BANDLER, BERNARD, CAMBRIDGE MA. Writing a book on psychiatric training.
- NO1MH-30024-00 (**) CURBER ASSOCIATES, INC, 1025CONNECTICUT AVE N W, WASHINGTON, D C 20036. Equal employment opportunity training program for management.
- NO1MH-30027-00 (**) COMMONWEALTH OF PENNA, CAMP HILL, PENNA 17011. Mental health services to residents of flood disaster areas.
- NO1MH-30028-00 (**) LUZERNE-WYOMING COUNTY MENTAL, MENTAL RE-TRADATION PROGRAM, 319SOUTH FRANKLIN STREET, WILKES BARRE, PENNSYLVANIA 187. Mental health services to residents of flood disaster areas.
- NO1MH-30029-00 (**) EAST PA PSYCHIAT INST, COMMONWEALTH OF PENNA, HENRY AVENUE & ABBOTTS FORD RD, PHILADELPHIA, PENNA 19129. Mental health services to residents of flood disaster areas.
- NO1MH-30046-00 (**) INST HUMAN ECOLOGY, 6001 GLENWOOD AVE, RALEIGH NC. Systems analysis for child mental health services.
- NO1MH-30047-00 (**) NY NARCOTIC CONTR COMM, EXECUTIVE PARK SOUTH, STUYVESANT PLAZA, ALBANY NY. Provide treatment and rehabilitation for opiate-dependent persons.
- NO1MH-30057-00 (**) BRANDEIS UNIV, WALTHAM MA. Evaluate NIMH funded financial studies and cost data-state financing.
- NO1MH-30059-00 (**) ALBERT EINSTEIN COL MED, 1300 MORRIS PARK AVE, BRONX, N Y 10461. Conference on community mental health training.
- NO1MH-30063-00 (**) RESEARCH, FOUNDATION FOR, MENTAL HYGINE, INC, 44HOLLAND AVE, ALBANY, NEW YORK 12208. Changes in use of state mental hospitals and other mental health services.
- NO1MH-30078-00 (**) GEN RES CORP, 7655 OLD SPRINGHOUSE RD, MCLEAN, VIRGINIA 22101. Community health centers services for children.
- NO1MH-30079-00 (**) BIOSPHERICS, INC, ROCKVILLE, MARYLAND 20852. Abstract, key and proof 2,400 mental health project grants.
- NO1MH-30081-00 (**) LITTLE, ARTHUR D, INC, ACORN PARK, CAMBRIDGE, MASS 02140. Evaluate services to juvenile delinquents.
- NO1MH-30084-00 (**) REGIS CHEMICAL COMPANY, 8210 AUSTIN AVE, MORTON GROVE, ILLINOIS 60053. Research in custom and syntheses of chemicals relevant to psychopharmacology.
- NO1MH-30089-00 (**) BASHANT, SUSAN K, 10221 W 59TH PLACE, ARVADA, COLO. Evaluation of minority training program.
- NO1MH-30152-00 (**) AUSTIN RIGGS CENTER, INC, STOCKBRIDGE, MASS 01262. Conference on psychiatric residential milieu.
- NO1MH-30162-00 (**) GOLLOB, JOSEPH S, MENTAL HEAL CENTER INC, 4371 EAST 72ND AVE, COMMERCE CITY, COLORADO 8002. Development and test of cost effectiveness for CMHC's.
- NO1MH-30163-00 (**) EAGLEVILLE HOSPITAL REHABILITATION CENTER, P.O. BOX 45, EAGLEVILLE, PENNSYLVANIA 19408. Conference on joint treatment of drug addicts and alcoholics.
- NO1MH-30166-00 (**) CHILDRENS HOSP, POST OFFICE BOX 54700, LOS ANGELES, CALIFORNIA. Interdisciplinary conference on health care delivery to adolescents.
- NO1MH-30167-00 (**) KING COUNTY ADMIN BLDG, SEATTLE, WASHINGTON 98104. Evaluating and monitoring drug, alcohol, and mental health services.
- NO1MH-30170-00 (**) STATE OF MAINE, DEPT OF MENTAL HEALTH, AND CORRECTIONS, AUGUSTA, MAINE 04330. State of Maine evaluation, monitoring and information system.
- NO1MH-30179-00 (**) COLLIER COUNTY CLINIC INC, 933 CREECH RD, NAPLES FLORIDA 33940. Community mental health service evaluation procedures.
- NO1MH-30183-00 (**) STATE OF MAINE, DEPT OF MENTAL HEAL & CORRECTI, STATE OFFICE BUILDING, AUGUSTA MAINE 04330. Study of mental health manpower development and utilization system in Maine.
- NO1MH-30185-00 (**) IOWA LAKES COMMUNITY COLLEGE, 101 1/2 NORTH SIXTH ST, ESTHERVILLE, IOWA 51334. Mental health program for employed long term care personnel.
- NO1MH-30186-00 (**) SCULLY, DIANA CHASE, 1204 SOUTH WASHINGTON, ST, APT 717 WEST, ALEXANDRIA, VIRGINIA 22314. Impact of community mental health services on state mental hospitals.
- NO1MH-30187-00 (**) SCHECTER, MAL, NATIONAL PRESS BLDG, WASHINGTON, D.C. 20004. Editing services for journal.
- NO1MH-30196-00 (**) PRAIRIE VIEW MENTAL HEALTH, P O BOX 467, NEWTON, KANSAS 67114. Conference on 'Community Mental Health Centers in providing services to the aged.
- NO1MH-30199-00 (**) ADVOCACY, CHILDREN & YOUTH, COLORADO COALITION, POST OFFICE BOX 18586, DENVER, COLORADO 80218. Child advocacy services.
- NO1MH-30201-00 (**) COMMUNITY MH RES, DEV CORP, BUFFALO, NEW YORK 14202. Community mental health program evaluation conference.
- NO1MH-30202-00 (**) NATIONAL OPINION RESEARCH CENT, 6030SOUTH ELLIS AVE, CHICAGO, ILLINOIS 60637. Survey on occupational conditions.
- NO1MH-30235-00 (**) HARVARD COL HOLYOKE CENTER, 1350 MASS AVE, CAMBRIDGE, MASS 02138. Emotionally disturbed child in the classroom.
- NO1MH-30236-00 (**) KIMMEL, WAYNE A, 1245 4TH ST S W APT 0409, WASHINGTON, D C 20024. Review of NIMH pilot SPD effort in Ohio.
- NO1MH-30237-00 (**) GLASER, DANIEL, 901 SOUTH OGDEN DRIVE, LOS ANGELES, CAL 90036. Practical guide to planning program in crime and delinquency.
- NO1MH-30238-00 (**) UNIVERSITY OF CALIFORNIA, M-11 WHEELER HALL, BERKELEY, CALIFORNIA 94720. Epidemiology.
- NO1MH-30240-00 (**) MENTAL HEALTH LAW PROJECT, 1751 N ST N W, WASHINGTON, D C 20036. Mental health legislation guide.
- NO1MH-30241-00 (**) LOEWING, DAVID A, 479 NOE ST, SAN FRANCISCO, CALIFORNIA 9411. Study of private psychiatric facilities owned by chains.
- NO1MH-30242-00 (**) SOUTH PHILADELPHIA HEAL ACTION, 1015 CHESTNUT ST, PHILADELPHIA, PENNSYLVANIA 191. Delivery of mental health care in a prepaid group practice network.
- NO1MH-30245-00 (**) GEORGIA DEPT OF HUMAN RESOURCE, 47 TRINITY AVE, ATLANTA, GEORGIA 30334. Methodology for funding in Georgia Department of Human Resources.
- NO1MH-30246-00 (**) GOTTFREDSON, DON M, 1006 MAPLE LANE, DAVIS CAL 95616. Monograph on juvenile and criminal justice system.
- NO1MH-30247-00 (**) COMMUNICATIONS RES, UNIV ILLINOIS, CHAMPAIGN, URBANA, ILLINOIS 61. Monograph of female delinquency and crime.
- NO1MH-30250-00 (**) REINHART JOHN B, 232 JLL DRIVE, PITTSBURGH, PENNSYLVANIA 15236. Monograph-Child abuse, policy issues and problems.
- NO1MH-30251-00 (**) JENKINS, ROSE D, 1620 E 119TH ST, LOS ANGELES, CAL 90059. Monograph-Socialization of social responsibility.
- NO1MH-40002-00 (**) YAHRAES, HERBERT C., JR, STAMFORDVILLE, N.Y. 12581. Technical reports on NIMH research programs and projects.
- NO1MH-40004-00 (**) UNIV OF MARYLAND, OFFICE STUDENT AID, COLLEGE PARK, MD 20742. Services for statistical analysis.
- NO1MH-40004-00 (**) PRINCE GEORGES COUNTY, COURT HOUSE, UPPER MARLBORO, MD 20870. Volunteer services.
- NO1MH-40004-00 (**) FERMAN, LOUIS A, 401 FOURTH ST, ANN ARBOR, MICH. Report on first experimental capitation funding.
- NO1MH-40007-00 (**) MED RES COUNCIL, 20 PARK CRESCENT, LONDON, WIN 4AL, ENGLAND. Support services for federal personnel in research.
- NO1MH-40008-00 (**) HAZELTON-NANTICOKE MH/MR CR, WEST WASHINGTON ST, NANTICOKE, PA 18634. Mental health services to flood victims-Pennsylvania.
- NO1MH-40012-00 (**) INTERNATL CR SOC GERONT, 1629 K ST., N W, WASHINGTON, D C 20006. A residential exchange study and plan.
- NO1MH-40014-00 (**) SOCIAL SYSTEMS INTERVENTION, 3603 14TH ST, N.W., WASHINGTON, D.C. 20010. Preparation of grant summary statements.
- NO1MH-40016-00 (**) KENYON, SYLVAINIE L, P O BOX 6, DUNN LORING, VA 22027. Study on literature acquisition.
- NO1MH-40017-00 (**) WESTERN HEALTH SYSTEMS, P O BOX 1147, 503 1/2 SIXTH ST, RAPID CITY, S D 57701. Training program for crisis intervenors.
- NO1MH-40018-00 (**) LINTON, MIELDS, & COSTON, 1015 18TH ST., N W, WASHINGTON, D C. Organization of mental health services in Detroit-Wayne County Michigan area.
- NO1MH-40019-00 (**) KIMMEL, WAYNE A, 1245 4TH ST, S.W., WASHINGTON, D.C. 20024. ADAMHA state program development effort in Maine.
- NO1MH-40020-00 (**) GLASGOW, DOUGLAS, HOWARD UNIV, WASHINGTON, D. C. Improvement of federal social, behavioral science programs at black institutions.
- NO1MH-40021-00 (**) BIRNBAUM, MARTIN L, 372 CENTRAL PARK, NEW YORK, N.Y. 10025. Evaluation and report on public health careers program.
- NO1MH-40022-00 (**) JOINT COMM ACCREDITATION HOSP, 875 NORTH MICHIGAN AVE, CHICAGO, ILLINOIS 60611. Development of standards for community mental health centers.
- NO1MH-40024-00 (**) AMERICAN HOSP ASSN, 840 NORTH LAKE SHORE DRIVE, CHICAGO, ILL 60611. Survey of psychiatric units of general hospitals.
- NO1MH-40025-00 (**) KING, ANITA, 11451 S. GLEN RD, POTOMAC, MARYLAND 20854. Mental health services for children and youth (human).
- NO1MH-40026-00 (**) CARTER, FRANCES H, 5303 CARLTON ST, WASHINGTON, D.C. 20016. Improvement in state mental hospital utilization.
- NO1MH-40027-00 (**) STATE OREG DEPT. HUMAN RESOURC, DIV. OF MENTAL HEALTH, 2570 CENTER ST, N.E., SALEM, OREGON 97310. Manpower development and utilization system for mental health services in Oregon.
- NO1MH-40028-64 (**) MARINE BIOLOGICAL LAB, WOODS HOLE, MASS 02543. Research facilities and services.
- NO1MH-40029-64 (**) WEXLER, DAVID B, 2329 EAST 9TH ST, TUCSON, ARIZ 85719. Security and other special hospitals for mentally disordered offenders (human).
- NO1MH-40030-00 (**) MILKMAN, RAYMOND H, 5034 DAMA PLACE, N.W., WASHINGTON, D.C. 20016. Relationship between evaluation study results and program.
- NO1MH-40031-00 (**) BUREAU OF SOC SCI RES, INC., 1990 M ST, N.W., WASHINGTON, D.C 20036. Protection of noninstitutionalized human subjects.
- NO1MH-40032-00 (**) NATL FDN SUDDEN INFANT DEATH, 1501 BROADWAY, NEW YORK, N.Y. 10036. Sudden-infant death syndrome.
- NO1MH-40033-00 (**) COUNCIL ADV SCIENCE WRITING, KIMBERTON RD, CHESTER SPRINGS, PA 19425. Develop training mechanism for minority group communicators.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
NO1MH-40035-00 (**) REGIS CHEMICAL CO, 8210 NORTH AUSTIN AVE, MORTON GROVE, ILL 60053. Chemical synthesis program in field of psychopharmacology.	NO1MH-40080-00 (**) AM. PUB HEALTH ASSO, 1015 18TH ST N.W., WASHINGTON, D.C. 20036. Chronically mentally ill in prepaid practice programs.
NO1MH-40036-00 (**) CHILDREN'S HOSP MED CTR, CHILDREN'S TRAUMA CENTER, FIFTY-FIRST AND GROVE STS., OAKLAND, CALIFORNIA 94609. Evaluate training modules related to child abuse and neglect.	NO1MH-40081-00 (**) DEPT MH & MR, BOX 12668, CAPITOL STATION, AUSTIN, TEXAS 78711. Placement needs of state mental hospital patients.
NO1MH-40038-00 (**) JUDGE BAKER GUIDANCE CTR, 295 LONGWOOD AVE, BOSTON, MASS 02115. Child abuse-Formal and informal decision-making processes.	NO1MH-40082-00 (**) LEVINE, DANIEL S, 1410 NORTH CURSON AVE, LOS ANGELES, CAL 90046. National cost and current financing of mental illness.
NO1MH-40039-00 (**) HERNER INFO SER, INC, 2100 M ST N.W., WASHINGTON, D.C. 20037. Abstract and index 30,000 documents in the general field of mental health.	NO1MH-40083-00 (**) YALE UNIV, SCH OF MEDICINE, 333 CEDAR ST, NEW HAVEN, CONN 06510. Depression rating scales in psychiatric population (human).
NO1MH-40040-00 (**) COOPER, E MYLES, 254 ORCHARD RD, ORINDA, CAL 94563. State of Oregon's design of a mental health programs evaluation system.	NO1MH-40084-00 (**) ASSOC UNIV PROG HLTH ADMIN, ONE DUPONT CIRCLE, WASHINGTON, D.C. 20036. A national conference-An institute on education for mental health administration.
NO1MH-40041-00 (**) BECK, JAMES C, 1493CAMBRIDGE ST, CAMBRIDGE, MASS 02139. Evaluation of mental health care in comprehensive health care settings.	NO1MH-40085-00 (**) PASCHALL, NANCY C, 5663 DERBY COURT, ALEXANDRIA, VIRGINIA 22311. Community mental health service planning.
NO1MH-40043-00 (**) COUNCIL FOR COMMUNITY SERVICES, 64 EAST JACKSON BLVD, CHICAGO ILL 60604. Survey of data on child abuse.	NO1MH-40086-00 (**) TRUSTEES, COLUMBIA UNIV, NEW YORK, NEW YORK 10027. Mental health linkages in social service systems.
NO1MH-40044-00 (**) HUMAN SCIENCES RES, WESTGATE RESEARCH PARK, 7710 OLD SPRINGHOUSE RD, MCLEAN, VA 22101. Institutional change in regard to racial minority and women in NMH.	NO1MH-40087-00 (**) LUCE, GAY GABER, 828 ARLINGTON AVE, BERKELEY, CAL 94707. Videotaped documentary on aging.
NO1MH-40045-00 (**) ARON, RUTHANN, 431COLLEGE PARKWAY, ROCKVILLE, MARYLAND 20850. Development of research design of information systems.	NO1MH-40088-00 (**) KRAVITZ, ALAN, 100 FIRST AVE, NYACK, N.Y. 10960. Study of social planning.
NO1MH-40046-00 (**) MCCALL, GEORGE C, 8250 GLEN ECHO DR, BEL-NOR, MISSOURI 63121. Monograph- 'Applications of field methods to study of crime and delinquency'.	NO1MH-40089-00 (**) WAGNER, MARSDEN, INST SOC MED, UNIV COPENHAGEN, HERMOSGADE DK 2200 COPENHAGEN. Swedish health services.
NO1MH-40049-00 (**) STATE OF MAINE, DEPT OF MH & CORRECTIONS, STATE OFF BLDG, AUGUSTA, MAINE 04330. Mental health related human service for the criminal justice system.	NO1MH-40086-00 (**) SOUTHERN REGION EDUC BLD, 130 6TH ST, N.W., ATLANTA, GEORGIA 30313. Program evaluation in state mental health agency.
NO1MH-40050-64 (**) RES FDN STATE UNIV NEW YORK, P.O. BOX 7126, ALBANY, N.Y. 12224. Conduct of a workshop on human sexuality.	NO1MH-40091-00 (**) PENISULA HOSP MED CTR, 1783 EL CAMINO REAL, BURLINGAME, CALIF 94010. Evaluation of a prototype psychiatric PSRO.
NO1MH-40052-00 (**) COMMONWEALTH OF VA DEPT MH & M, P.O. BOX 1797, RICHMOND, VA 23214. Mental health manpower development in Virginia.	NO1MH-40093-00 (**) INDIANA UNIV FDN, POST OFFICE BOX F, BLOOMINGTON, IND 47401. Intensive training seminar on human sexuality.
NO1MH-40054-00 (**) ROTTENBERG, SIMON, PRATT CORNER RD-RFD 3, AMHERST, MASS 01002. An economic perspective on crime prevention and control.	NO1MH-40094-00 (**) THE WHALES TALE, 412 NEVILLE ST, PITTSBURGH, PA 15213. Youth runaway program.
NO1MH-40055-00 (**) AM ASSOC PSYCH SERV CHILDREN, 1701 18TH ST, N.W., WASHINGTON, D.C. 20009. Child mental health treatment service.	NO1MH-40095-00 (**) ALTERNATIVES, INC., 5440 25TH ST, COLUMBUS, IND 47201. Youth runaway program.
NO1MH-40056-00 (**) COMMUNITY RES APPLICATIONS, INC, 45 EAST 89 ST, NEW YORK, N.Y. 10028. Survey of child abuse and neglect service programs.	NO1MH-40085-00 (**) SPEC APPROACHES JUV ASSIST, 1743 18TH ST., N.W., WASHINGTON, D.C. 20009. Youth runaway program (demonstration).
NO1MH-40057-64 (**) ZECKHAUSER, RICHARD J, 138 IRVING ST, CAMBRIDGE, MASS 02138. Feasibility study of mental health services.	NO1MH-40097-00 (**) YOUTH RES CTR, INC, SECOND MILE FOR RUNAWAYS, QUEENS CHAPEL & QUEENSBURY RD., HYATTSVILLE, MD 20782. Youth runaway program (demonstration).
NO1MH-40058-00 (**) INSTITUTE SCIENTIFIC INFO, 325 CHESTNUT ST, PHILADELPHIA, PA 19106. Citation counts to measure research grant output.	NO1MH-40085-00 (**) OZONE HOUSE, INC., 621 EAST WILLIAM ST, ANN ARBOR, MICH 48108. Youth runaway program (demonstration).
NO1MH-40059-00 (**) FAMILY SERV PG COUNTY, 4318 HAMILTON ST, HYATTSVILLE, MD 20718. Housing needs of ex-mental patients.	NO1MH-40099-00 (**) UNITED INDIANS GROUP HOME, 2525 PARK AVE SOUTH, MINNEAPOLIS, MINN 55404. Youth runaway program (demonstration).
NO1MH-40040-00 (**) ALASKA DEPT HLTH SOC SERV, JUNEAU, ALASKA 99801. Improving and integrating mental health, alcohol and drug abuse in Alaska.	NO1MH-40100-00 (**) FAMILY SERV MONT COUNTY, INC, 350 HUNGERFORD DR, ROCKVILLE, MARYLAND 20850. Youth runaway program (demonstration).
NO1MH-40061-64 (**) AM PSYCHIATRIC ASSN, 1700 18TH ST, N.W., WASHINGTON, D.C. 20009. Update information concerning insurance coverage and psychiatric care.	NO1MH-40101-00 (**) THE SALVATION ARMY, 875 NORTH DEARBORN, CHICAGO, ILL 60610. Youth runaway program (demonstration).
NO1MH-40062-00 (**) CATRON, BAYARD L, 9805 RALEIGH TAVERN COURT, BETHESDA, MD 20014. Evaluation of community mental health center evaluation projects.	NO1MH-40102-00 (**) YOUTH ADVOCATES, INC., 1825 18TH AVE, SEATTLE, WASHINGTON 98122. Youth runaway program.
NO1MH-40063-00 (**) INTERSEMINARIAN, INC., 32 RUTLAND ST, BOSTON, MASSACHUSETTS 02118. Youth runaway program.	NO1MH-40100-00 (**) YOUTH EMERGENCY SERV CORP, 9307 OLIVE ST RD, ST. LOUIS, MISSOURI 63132. Youth runaway program.
NO1MH-40064-64 (**) MANDERSCHIED, RONALD W, 212 WEST MONTGOMERY AVE, ROCKVILLE, MD 20852. Statistical services.	NO1MH-40104-00 (**) MAC NEAL MEMO HOSP, YOUTH IN CRISIS PROJ, 3249 S. OAK PARK AVE, BERYN, ILL 60402. Youth runaway program.
NO1MH-40065-00 (**) THE FAMILY CONNECTION, INC., 806 BRANARD ST, HOUSTON, TEX 77006. Youth runaway program (training assessment).	NO1MH-40105-00 (**) S.W. DENVER COMM MH SERV, INC, 3052 WEST MISSISSIPPI AVE, DENVER, COLO 80219. Youth runaway program (demonstration).
NO1MH-40066-00 (**) VALLEY YOUTH HOUSE, 539 8TH AVE, BETHLEHEM, PA 18018. Youth runaway program (assessment).	NO1MH-40106-00 (**) THE BRIDGE FOR RUNAWAY YOUTH, 608 20TH AVE SOUTH, MINNEAPOLIS, MINN 55404. Youth runaway program.
NO1MH-40067-00 (**) AM ASSOC PSYCHIATRIC SERV CHL, 1701 18TH ST, N.W., WASHINGTON, D.C. 20009. A conference-issues in mental health services to the vulnerable child.	NO1MH-40107-00 (**) COVENANT HOUSE, 40 W. 12TH ST, NEW YORK, N.Y. 10011. Youth runaway program (demonstration).
NO1MH-40068-00 (**) NATL ASSOC COUNTRIES RES FDN, 1735 NEW YORK AVE, N.W., WASHINGTON, D.C. 20006. Criminal justice and community care in mental health, alcohol and drug abuse.	NO1MH-40108-00 (**) THE CENTER FOR YOUTH SERVICE, 293 ALEXANDER ST, ROCHESTER, NEW YORK 14607. Youth runaway program.
NO1MH-40069-00 (**) WESTERN INTERST HIGH EDUC, P.O. DRAWER P, BOULDER, COLO 80302. Educational needs of state mental health staff.	NO1MH-40109-00 (**) ALASKA CHILDREN'S SERVICE, 4600 ABBOTT RD, ANCHORAGE, ALASKA 99507. Youth runaway program.
NO1MH-40071-00 (**) UNIV DENVER, UNIVERSITY PARK, DENVER, COLORADO 80210. Evaluation of community mental health centers.	NO1MH-40110-00 (**) METRO-HELP, INC., 2210 N. HALSTEAD, CHICAGO, ILL 60614. Youth runaway program.
NO1MH-40072-00 (**) HOBAR, INC., 1707 H ST, N.W., WASHINGTON, D.C. 20006. Readership survey of administration in mental health.	NO1MH-40111-00 (**) FOCUS, INC., 1916 GOLDRING AVE, LAS VEGAS, NEVADA 89106. Youth runaway program (documentation and assessment).
NO1MH-40073-00 (**) MEXICAN AMERICAN UNITY COUN, 712 S. FLORES ST, SAN ANTONIO, TEXAS 78204. Conference on mental health needs of Mexican-American children in Texas.	NO1MH-40112-00 (**) YOUTH ADVOCATES, INC., 3839 JUDAH ST, SAN FRANCISCO, CAL 94122. Youth runaway program (assessment).
NO1MH-40074-00 (**) BLK GROUP, INC., 1730 M ST, N.W., WASHINGTON, D.C. 20036. Independent provider status for psychologists.	NO1MH-40113-00 (**) YOUTH SERVICES INC., 700 FRENCHMAN ST, NEW ORLEANS, LOUISIANA 70116. Youth runaway program.
NO1MH-40075-00 (**) BLUE SHIELD OF MICH, RES DEPT GROUP, 600 LAFAYETTE EAST, DETROIT, MICH 48226. Psychiatric care under prepaid health insurance.	NO1MH-40116-00 (**) VOYAGE HOUSE, INC, 1433 LOMBARD ST, PHILADELPHIA, PA 19416. Youth runaway program (training assessment).
NO1MH-40076-00 (**) THE UNIVERSITY OF ROCHESTER, SCH OF MED DENTISTRY, 260 CRITTENDEN BLVD, ROCHESTER, N.Y. 14642. Patterns of utilization of psychiatric services.	NO1MH-40117-00 (**) METRO-ATLANTA, MEDIATION CTR., 848 PEACHTREE ST N.E., ATLANTA, GEORGIA 30308. Youth runaway program (training and assessment).
NO1MH-40077-00 (**) RES FDN MENTAL HYGIENE, 44 HOLLAND AVE, ALBANY, N.Y. 12208. Methodological study for long-term care.	NO1MH-40118-00 (**) FREEPORT, INC., 361 COMMONWEALTH AVE, NEWTON, MASS 02167. Services to runaway youth.
NO1MH-40078-00 (**) RES FOUNDATION MENTAL HYGIENE, 44 HOLLAND AVE, ALBANY, NEW YORK 12208. Economics of long-term mental illness.	NO1MH-40119-00 (**) JUVENILE ASSISTANCE, MCLEAN LT, BOX 637, MCLEAN, VA 22101. Services to runaway youth.
NO1MH-40079-00 (**) EAGLEVILLE HOSP, REHAB CR, P.O. BOX 45, EAGLEVILLE, PA 19408. Drug addicts and alcoholics.	NO1MH-40120-00 (**) BRIARPATCH, INC., 25 N WEBSTER ST, MADISON, WIS 53703. Services to runaway youth.

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- NO1MH-51026-09 (***) PSYCHOLOGICAL INST, KOMMUNEKOSPITALET, COPENHAGEN DENMARK. Etiology of schizophrenia.
- NO1MH-80989-15 (***) VOCATIONAL GUID SER, 2300 CAROLINE ST, HOUSTON TEXAS 77004. Service to narcotic addicts.
- NO1MH-81339-16 (***) LITTLE ARTHUR D INC, ACORN PARK, CAMBRIDGE MASS 02140. Production of cannabis derivatives.
- NO1MH-81342-07 (***) JEWISH EMPL VOCAT SERV, 1913 WALNUT ST, PHILADELPHIA PA 19103. Rehabilitation of narcotic addicts.
- NO1MH-81468-07 (***) FAM SER PRINCE GEORGES CO, 4318 HAMILTON ST, HYATTSVILLE MD 20781. Rehabilitation services to narcotic addicts.
- NO1MH-81470-04 (***) FAMILY COUNSELING SERV, 214 MARYLAND AVE, LAS VEGAS NEV 89101. Rehabilitation services to narcotic addicts.
- NO1MH-81509-06 (***) MINNESOTA DEPT EDUC, 1745 UNIV AVE, ST PAUL MINN 55104. Rehabilitation services to narcotic addicts.
- NO1MH-81510-05 (***) FAMILY SERV AGENCY, 650 NORTH SIXTH AVE, TUCSON ARIZ 85705. Rehabilitation services to narcotic addicts.
- NO1MH-81521-06 (***) ST JOSEPH HOSP, 350 WEST THOMAS RD, PHOENIX ARIZ 85013. Provide services to narcotic addicts.
- NO1MH-81526-06 (***) WISCONSIN CORRECTIONAL SER, 436 W WISCONSIN AVE, MILWAUKEE WIS 53203. Rehabilitation services to narcotic addicts.
- NO1MH-90006-10 (***) TEXAS CHRISTIAN UNIV, FORT WORTH TEXAS 76129. Narcotic addict and drug abuse reporting system.
- NO1MH-90008-07 (***) DEPT PUB HLTH, 47 TRINITY AVE SW, ATLANTA GEORGIA 30334. Services to narcotic addicts.
- NO1MH-90040-05 (***) FAMILY SERVICE CR, 442 N FULTON, FRESNO, CA. Rehabilitation services to narcotic addicts.
- NO1MH-90059-09 (***) UNIV CHICAGO, 5801 S ELLIS AVE, CHICAGO, ILL. Revise and standardize the Hopkins symptom check list.
- NO1MH-90070-04 (***) NATL COUN CRIME DELINQUENCY, 291 ROUTE 17, PARAMUS NJ 07652. Provide mental health documents with emphasis on crime and delinquency.
- NO1MH-90076-06 (***) ADVERTISING COUNCIL, 825 THIRD AVE, NEW YORK, NY. Conduct a national advertising campaign on narcotics and drug abuse.
- NO1MH-90081-07 (***) CITY UNIV NEW YORK, 1411 BROADWAY, NEW YORK, NY. Preparation of a handbook of evaluation research.
- NO1MH-90097-12 (***) CLARITAS CORP, 3600 M ST NW, WASHINGTON, DC. Planning evaluation of community mental health centers.
- NO1MI-14173-07 (***) AVERILL, RICHARD W, WASHINGTON, DISTRICT OF COLUMBIA. Collection of data on optometrists.
- NO1MI-24078-07 (***) PETERSON, OSLER, CAMBRIDGE, MASSACHUSETTS. Study of surgical services in the United States.
- NO1MI-24197-06 (***) GRAHAM, JOHN, ALBUQUERQUE, NEW MEXICO. Medical student and physician career predispositions.
- NO1MI-24316-06 (***) LEONARD, MARLENE, WASHINGTON, DISTRICT OF COLUMBIA. Survey of allied health and nursing programs.
- NO1MI-34090-02 (***) ROEMER, MILTON, LOS ANGELES, CALIFORNIA. Health manpower use, education and regulation in other countries.
- NO1MI-34100-01 (***) LEWIS, ALAN, PHILADELPHIA, PENNSYLVANIA. Problems associated with health manpower information.
- NO1MI-34103-02 (***) NAVARRO, VICENTE, BALTIMORE, MARYLAND. Monograph on health manpower planning in different countries.
- NO1MI-44004-00 (***) MALCOM, J B, BETHESDA, MARYLAND. Indexing documents compiled under Health Manpower Planning Inventory Project.
- NO1MI-44007-00 (***) FELIX, JEROME L, ROCKVILLE, MARYLAND. Indexing of documents compiled under health manpower planning inventory project.
- NO1MI-44017-00 (***) LEYMAN, EDWARD, WASHINGTON, DISTRICT OF COLUMBIA. Health resources planning documents.
- NO1MI-44057-00 (***) LEVINE, JULES I, CHARLOTTESVILLE, VIRGINIA. Evaluation and design activities in health manpower planning.
- NO1MI-44062-00 (***) CONPREY, EUGENE A, BETHESDA, MARYLAND. Develop a glossary of health manpower planning terms.
- NO1MI-44067-00 (***) , CHARLOTTESVILLE, VIRGINIA. Barriers to health manpower planning.
- NO1MI-44139-00 (***) HASSINGER, EDWARD W, COLUMBIA, MISSOURI. Study of rural physicians in twenty rural Missouri counties.
- NO1MI-44161-00 (***) LAMBO, T A, GENEVA, SWITZERLAND. International migration of physicians and nurses.
- NO1MI-44165-00 (***) HOLLANDER, EDWARD D, WASHINGTON, DISTRICT OF COLUMBIA. Production of a monograph.
- NO1MI-44187-00 (***) SKINNER, DOUGLAS, MCLEAN, VIRGINIA. Dimension of technical assistance to support health manpower planning.
- NO1MI-44208-00 (***) REINHARDT, UWE E, BELMONT, MASSACHUSETTS. Health manpower planning seminar package.
- NO1MI-44224-00 (***) HARMAN, MARY, ROCKVILLE, MARYLAND. Abstracts of documents providing health resources planning information.
- NO1MI-44225-00 (***) JOHNSON, CLARENCE, ROCKVILLE, MARYLAND. Health resource planning information.
- NO1MI-44228-00 (***) SERUL, LAWRENCE H, ROCKVILLE, MARYLAND. Acquisition of source modules of ADP software programs.
- NO1MI-44229-00 (***) SKINNER, DOUGLAS, SILVER SPRING, MARYLAND. Information and data needs to support health manpower planning.
- PO1NS-00021-26 (PHY) BULLOCK, THEODORE H, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF NEUROSCIENCES, LA JOLLA, CALIF. Comparative neurophysiology (animals).
- PO1NS-00031-25 (PHY) WANG, SHIH C, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Physiology and pharmacology of brain stem (cats, rats).
- PO1NS-00282-22 (PHRA) KOELLE, GEORGE B, UNIVERSITY OF PENNSYLVANIA, DEPT OF PHARMACOLOGY, PHILADELPHIA, PA. Neurohumoral transmitters and related drugs (animals).
- PO1NS-00284-21 (M&Y) PEASE, DANIEL C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Neuroanatomical investigations by electron microscopy (rats).
- PO1NS-00294-20 (VIS) COHEN, BERNARD, ATRAN 710, 1 EAST 100TH STREET, NEW YORK, N Y. Oculomotor system and body postural mechanisms (human, monkeys, cats).
- PO1NS-00361-19 (NEUB) POPE, ALFRED, MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. Quantitative histochemical studies upon cerebral cortex (human).
- PO1NS-00396-21 (NEUA) TOWE, ARNOLD L, UNIVERSITY OF WASHINGTON, DEPT OF PHY & BIOPHYSICS, SEATTLE, WASH. Single unit analysis in the somatosensory system (primates, cats).
- PO1NS-00405-19 (NEUB) KITAI, STEPHEN T, WAYNE STATE UNIVERSITY, 550 E CANFIELD, DETROIT, MICH. Experimental studies of sensory pathways (cats, rats).
- PO1NS-00616-20 (DBR) BENTON, ARTHUR L, UNIVERSITY HOSPITALS, DEPT OF NEUROLOGY, IOWA CITY, IOWA. Performance tests in cerebral disease (human).
- PO1NS-00682-20 (CMS) FERNANDEZ, CESAR, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Alterations of cochlear potentials (cats).
- PO1NS-00690-20 (CBY) DUNCAN, DONALD, UNIV OF TEXAS MEDICAL BRANCH, DEPARTMENT OF ANATOMY, GALVESTON, TEX. Electron microscopy of the nervous system (rodents, carnivores, monkeys).
- PO1NS-00702-20 (PHY) LARRABEE, MARTIN G, JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF BIOPHYSICS, BALTIMORE, MD. Metabolism and function in sympathetic neurons (rats, squid, chicks).
- PO1NS-00840-19 (NEUA) SCHARRE, BERTA V, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N Y. Neuroendocrine integration (insects, amphibians, mammals).
- PO1NS-00847-19 (NEUA) KOZUMI, KIYOMI, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Mechanism of function of higher integrative center (cats, dogs).
- PO1NS-00884-18 (PHY) LIBET, BENJAMIN, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY, S-762, SAN FRANCISCO, CALIF. Synaptic transmission in autonomic ganglia (frogs).
- PO1NS-01162-18 (NEUA) SAWYER, CHARLES M, UNIV OF CALIFORNIA SCH OF MED, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Rhinencephalon, neuroendocrine function and behavior (rats, rabbits, hamsters).
- PO1NS-01310-18 (CMS) CARHART, RAYMOND T, NORTHWESTERN UNIVERSITY, FRANCES SEARLE BUILDING, EVANSTON, ILL. Psychophysical characteristics of hearing disorders (human).
- PO1NS-01330-18 (NEUB) GOLDBERG, JAY M, UNIVERSITY OF CHICAGO, 951 EAST 58TH STREET, CHICAGO, ILL. Physiology of vestibular system (monkeys).
- PO1NS-01344-17 (SSS) KIANG, NELSON Y, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. Physiological studies of the auditory system (cats, lizards).
- PO1NS-01396-17 (PHRA) LONG, JOHN P, UNIVERSITY OF IOWA, COLLEGE OF MEDICINE, IOWA CITY, IOWA. Structure activity relationships to autonomic agents.
- PO1NS-01447-17 (PHRA) RIKER, WALTER F, JR, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N Y. Pharmacology of neuromuscular function and nerve endings (cats).
- PO1NS-01538-16 (NEUB) CARPENTER, MALCOLM S, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Vestibular system (monkeys).
- PO1NS-01572-17 (PC) FELLMAN, J H, UNIVERSITY OF OREGON MED SCH, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Amino acid metabolism and aromatic amines (human, rats).
- PO1NS-01575-16 (PC) BURTON, ROBERT M, WASHINGTON UNIV MEDICAL SCH, 660 SOUTH EUCLID, ST LOUIS, MO. Biosynthesis and metabolism of galactolipids (human, rats).
- PO1NS-01615-16 (NEUA) ROBERTS, EUGENE, CITY OF HOPE NATL MEDICAL CTR, 1500 E DUARTE ROAD, DUARTE, CALIF. Nitrogen metabolism of nervous tissue (animals).
- PO1NS-01687-16 (NEUB) SATO, MAKOTO, UNIV OF OREGON MEDICAL SCH, DEPARTMENT OF SURGERY, PORTLAND, OREG. Neuropharmacology of the postsynaptic membrane (aplasia).
- PO1NS-01791-16 (CMS) BOHNE, BARBARA A, 517 SOUTH EUCLID, ST LOUIS, MO. Response of inner ear to injury (chinchillas, guinea pigs).
- PO1NS-01847-16 (NEUB) ROUSER, GEORGE, CITY OF HOPE NATL MED CTR, 1500 E DUARTE ROAD, DUARTE, CALIF. Lipid composition of brain in pathological states (human, mice).
- PO1NS-01941-16 (EXP) MAYER, JEAN, 665 HUNTINGTON AVENUE, BOSTON, MASS. Neurophysiology of food intake (rodents).
- PO1NS-02108-15 (NTN) EATON, HAMILTON D, UNIVERSITY OF CONNECTICUT, DEPT OF NUTRITIONAL SCIENCES, STORRS, CONN. Hypo- and hypervitaminosis A (rats).
- PO1NS-02182-15 (CMS) NAGER, GEORGE T, JOHNS HOPKINS HOSPITAL, DIV OF LARYNGOLOGY & OTOTOLOGY, BALTIMORE, MD. Histopathologic study of human temporal bones.
- PO1NS-02253-15 (NSPA) KUFFLER, STEPHEN W, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Neurophysiological and neurochemical studies.
- PO1NS-02253-15 0001 (NSPA) KUFFLER, STEPHEN W. Neurophysiological and neurochemical studies—Microphysiology of synaptic transmission (frogs, necturus).
- PO1NS-02253-15 0002 (NSPA) FURSPAN, EDWIN J. Neurophysiological and neurochemical studies—Studies of fibroblasts and neurons in tissue culture.
- PO1NS-02253-15 0003 (NSPA) KRAVITZ, EDWARD A. Neurophysiological and neurochemical studies—Synaptic chemistry in the nervous system (lobster).
- PO1NS-02255-16 (PHRA) TERRY, ROBERT D, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Cytologic studies in diseases of the nervous system (human, rabbits, cats, dogs).
- PO1NS-02267-14 (GEN) YOON, CHAI M, BOSTON COLLEGE, DEPT OF BIOLOGY, CHESTNUT HILL, MASS. Genetics and biochemistry of neurological mutants (mice).
- PO1NS-02275-04 (***) PUDENZ, ROBERT H, PASADENA, CALIFORNIA. Study electrical stimulation of the visual system (human, mammals, nonhuman).
- PO1NS-02279-04 (***) DOTY, ROBERT W, ROCHESTER, NEW YORK. Development of a sensory prosthesis (human, monkeys).
- PO1NS-02281-06 (***) TROUPIN, ALAN S, SEATTLE, WASHINGTON. Carbamazepine in the treatment of epilepsy (human).
- PO1NS-02289-15 (NEUB) RUSHMER, DONALD S, GOOD SAMARITAN HOSPITALS, 1015 N W 22ND AVENUE, PORTLAND, OREG. Studies in cerebellar physiology (monkeys, cats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1NS-02476-15 (NEUB) NORTON, WILLIAM T, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. The chemistry of cells and cell portions from CNS (human, animals).
- RO1NS-02484-14 (CMS) HACK, MARTIN H, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N. Y. Measurement of hearing by operant methods (rats, cats).
- RO1NS-02501-13 (COM) ESTRIN, THELMA, UNIVERSITY OF CALIFORNIA, BRAIN RESEARCH INSTITUTE, LOS ANGELES, CALIF. Computers and neurophysiology in study of brain (human, mammals, non-human).
- RO1NS-02567-15 (PHY) TERZUOLO, CARLO A, UNIVERSITY OF MINNESOTA, LABORATORY OF NEUROPHYSIOLOGY, MINNEAPOLIS, MINN. Problems of nerve cell physiology (human, cats, monkeys).
- RO1NS-02606-15 (PHY) KLEINHOLZ, LEWIS H, REED COLLEGE, 3203 S E WOODSTOCK BLVD, PORTLAND, OREG. Neurosecretion and endocrine physiology (crustaceans).
- RO1NS-02619-15 (PHY) WILSON, VICTOR J, ROCKEFELLER UNIVERSITY, NEW YORK, N. Y. Studies on motor control (cats).
- RO1NS-02763-14 (BBCA) CRAVEN, BRYAN M, UNIVERSITY OF PITTSBURGH, DEPT OF CRYSTALLOGRAPHY, PITTSBURGH, PA. Molecular association of barbiturates in crystals.
- RO1NS-02785-14 (NEUB) SMITH, MARION E, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, PALO ALTO, CALIF. Biosynthesis of lipids in experimental demyelination (rats).
- PO1NS-02808-13 (NSPA) CRANDALL, PAUL H, UNIVERSITY OF CALIFORNIA, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. Special clinical research project in neurophysiology.
- PO1NS-02803-13 0014 (NSPA) ESTRIN, THELMA. Special clinical research project in neurophysiology-Determination of excitability cycles after stimulation in epilepsy (human).
- PO1NS-02808-13 0017 (NSPA) BABE, THOMAS L. Special clinical research project in neurophysiology-Experimental seizure studies (cats, monkeys).
- PO1NS-02808-13 0018 (NSPA) BERKHOUT, JAN. Special clinical research project in neurophysiology-Transient paroxysmal events during an abacus arithmetic task (human).
- PO1NS-02808-13 0019 (NSPA) CRANDALL, PAUL H. Special clinical research project in neurophysiology-Chronic implantation (human).
- PO1NS-02808-13 0020 (NSPA) WALTER, RICHARD D. Special clinical research project in neurophysiology-Recordings and stimulations to identify epileptogenic foci (human).
- PO1NS-02808-13 0021 (NSPA) HANLEY, JOHN. Special clinical research project in neurophysiology-Telemetry of the ictal EEG signal complex (human).
- PO1NS-02808-13 0022 (NSPA) DYMOND, ANTHONY M. Special clinical research project in neurophysiology-Metabolic changes in epileptogenic tissues in interictal and ictal states (human).
- PO1NS-02808-13 0023 (NSPA) HANLEY, JOHN. Special clinical research project in neurophysiology-Behavioral and EEG correlates in telemetered data from drug resistant epilepsy.
- PO1NS-02808-13 0024 (NSPA) CRANDALL, PAUL H. Special clinical research project in neurophysiology-Neuroanatomical studies on resection specimens (human).
- PO1NS-02808-13 0025 (NSPA) BRAZIER, MARY A. Special clinical research project in neurophysiology-Detection of depth spiking from recordings of cortical EEG (human).
- PO1NS-02808-13 0026 (NSPA) VERZEANO, MARCEL. Special clinical research project in neurophysiology-Microelectrode studies of convulsive EEG waves and unit discharges (human).
- PO1NS-02808-13 0027 (NSPA) GARDINER, MARTIN F. Special clinical research project in neurophysiology-Evoked potentials from relevant stimuli in relation to epileptic foci (human).
- PO1NS-02808-13 0028 (NSPA) BRAZIER, MARY A. Special clinical research project in neurophysiology-Computer analysis of the EEG (human).
- PO1NS-02808-13 0029 (NSPA) LIEB, JEFFERY. Special clinical research project in neurophysiology-Effects of diazepam and phenobarbital on cortical and limbic EEG activity (human).
- PO1NS-02808-13 0030 (NSPA) FERRER-ALLADO, THERESA. Special clinical research project in neurophysiology-Effect of anesthetic agents on electrical activity (human).
- PO1NS-02808-13 0031 (NSPA) BROWN, W JANN. Special clinical research project in neurophysiology-Histopathology and electron microscopy.
- PO1NS-02808-13 0032 (NSPA) SERAFETINIDES, E A. Special clinical research project in neurophysiology-Psychiatric and psychological studies (human).
- RO1NS-02812-14 (NEUA) WADA, JOHN A, UNIVERSITY OF BRITISH COLUMBIA, KINSMEN LAB OF NEUROL RES, VANCOUVER 8, B C CANADA. Chronic focal epileptogenic lesions and deep structures (animals).
- RO1NS-02893-11 (NEUA) KRIEGER, DOROTHY T, MT SINAI SCHOOL OF MEDICINE, FIFTH AVE & 100TH ST, NEW YORK, N. Y. Central nervous system-pituitary-adrenal interrelations (cats, rats).
- RO1NS-02944-14 (PHY) KENNEDY, DONALD, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Neural organization in ganglia (crayfish).
- RO1NS-02957-14 (PHY) PRESTON, JAMES B, 766 IRVING AVENUE, SYRACUSE, N. Y. Suprasegmental influences on spinal motoneurons (baboons).
- RO1NS-02967-14 (MET) GATT, SHIMON, HEBREW UNIVERSITY, P O BOX 1172, JERUSALEM 91000 ISRAEL. Metabolism of the sphingolipids and C24 fatty acids (human, rats, yeast).
- RO1NS-02992-14 (CMS) KENSHALO, DANIEL R, FLORIDA STATE UNIVERSITY, DEPT OF PSYCHOLOGY, TALLAHASSEE, FLA. Psychophysical and neural response to thermal stimuli (human, animals).
- RO1NS-03045-12 (NEUB) BERMAN, A J, E 49TH STREET AND RUTLAND RD, BROOKLYN, N. Y. Conditioning in the absence of sensory feedback (monkeys).
- RO1NS-03101-14 (PC) AGRANOFF, BERNARD W, UNIVERSITY OF MICHIGAN, 1103 E HURON STREET, ANN ARBOR, MICH. Phospholipids of the nervous system (animals).
- RO1NS-03114-13 (NEUA) HILD, WALTHER J, UNIVERSITY OF TEXAS, DEPT OF ANATOMY, GALVESTON, TEX. Tissue culture of nervous tissue (mammals, human).
- RO1NS-03147-14 (IAB) ALVORD, ELLSWORTH C, JR, UNIVERSITY OF WASHINGTON, DEPT OF PATHOLOGY, SEATTLE, WASH. Experimental allergic encephalomyelitis (guinea pigs, rats, rabbits, bacteria).
- RO1NS-03166-14 (NEUA) ENGEL, RUDOLF C, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. EEG studies in newborn and young infants (human).
- RO1NS-03178-12 (PHRA) BRYANT, SHIRLEY H, COLLEGE OF MEDICINE, ROOM 229 EDEN AVENUE, CINCINNATI, OHIO. Myotonic muscle (goats, mice, rats, birds, wallabies).
- RO1NS-03192-15 (NEUB) RADIN, NORMAN S, UNIVERSITY OF MICHIGAN, 1103 E HURON STREET, ANN ARBOR, MICH. Brain glycolipids-Metabolism and pathology (human, rats).
- RO1NS-03226-14 (PC) LAJTHA, ABEL, NEW YORK STATE RESEARCH INST, WARD'S ISLAND, N. Y. Protein and peptide breakdown in the brain (rats, mice, cattle, human).
- RO1NS-03266-13 (PHY) BAMMERS, RAMOND, COLL OF PHYSICIANS & SURGEONS, 630 W 168TH STREET, NEW YORK, N. Y. Neural mechanisms of sensory modalities (cats, rats).
- RO1NS-03273-13 (PHY) FURSHPAN, EDWIN J, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Studies on cell interconnections (rats, mice).
- RO1NS-03304-13 (SSS) ROSENBERG, TERRONE L, COLUMBIA UNIVERSITY, 630 WEST 168 STREET, NEW YORK, N. Y. 10032. Proteins in excitable membranes.
- RO1NS-03304-13 0001 (SSS) ROSENBERG, TERRONE L. Proteins in excitable membranes-Acetylcholinesterase (electric eel, mammals).
- RO1NS-03304-13 0002 (SSS) ROSENBERG, TERRONE L. Proteins in excitable membranes-Acetylcholine receptor in isolated soluble form (electric eel).
- RO1NS-03304-13 0003 (SSS) ROSENBERG, TERRONE L. Proteins in excitable membranes-Protein components in excitable membrane fragments (electric eel, rats).
- RO1NS-03304-13 0004 (SSS) ROSENBERG, TERRONE L. Proteins in excitable membranes-Monocellular electroplax and membrane excitability studies.
- RO1NS-03321-13 (PHY) BIANCHI, C PAUL, UNIVERSITY OF PENNSYLVANIA, SCHOOL OF MEDICINE, PHILADELPHIA, PA. Electrolytes in nerve and muscle function (frogs).
- PO1NS-03346-13 (NSPA) PLUM, FRED, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Research center for cerebrovascular disease.
- PO1NS-03346-13 0003 (NSPA) POTTS, GORDON. Research center for cerebrovascular disease-Neuro-radiology (human, sheep).
- PO1NS-03346-13 0009 (NSPA) LEVY, DAVID E. Research center for cerebrovascular disease-Biochemical effects of ischemia (garbits, rats).
- PO1NS-03346-13 0011 (NSPA) PLUM, FRED. Research center for cerebrovascular disease-Regulation of cerebral blood flow in idiopathic autonomic insufficiency (human).
- PO1NS-03346-13 0012 (NSPA) PLUM, FRED. Research center for cerebrovascular disease-Stroke research clinic.
- PO1NS-03346-13 0013 (NSPA) DUFFY, THOMAS E. Research center for cerebrovascular disease-Neonatal anoxia-ischemia (dogs).
- PO1NS-03346-13 0014 (NSPA) PLUM, FRED. Research center for cerebrovascular disease-Coupling of cerebral blood flow and metabolism (mice).
- PO1NS-03346-13 0015 (NSPA) FRASER, RICHARD A R. Research center for cerebrovascular disease-Anoxia-ischemia (monkey).
- PO1NS-03346-13 0016 (NSPA) WEKSLER, BABETTE. Research center for cerebrovascular disease-Hematologic aspects of stroke (human).
- PO1NS-03346-13 0017 (NSPA) REIS, DONALD J. Research center for cerebrovascular disease-Experimental central neurogenic hypertension (cats).
- PO1NS-03346-13 0018 (NSPA) SANTOSBUCK, CHARLES A. Research center for cerebrovascular disease-Experimental cerebral hemorrhage (rabbits).
- PO1NS-03354-13 (NSPA) VAN ALLEN, MAURICE W, DEPARTMENT OF NEUROLOGY, UNIVERSITY HOSPITALS, IOWA CITY, IOWA. Neurosensory center.
- PO1NS-03354-13 0001 (NSPA) THOMPSON, H STANLEY. Neurosensory center-Neuro-ophthalmology.
- PO1NS-03354-13 0002 (NSPA) KIMURA, J. Neurosensory center-Electromyography and clinical electrophysiology (human).
- PO1NS-03354-13 0003 (NSPA) LORKOVIC, H. Neurosensory center-Neurophysiology (rats).
- PO1NS-03354-13 0004 (NSPA) FINCHAM, RICHARD. Neurosensory center-Neurochemistry (human).
- PO1NS-03354-13 0005 (NSPA) KOLDER, H. Neurosensory center-Visual physiology (human).
- PO1NS-03354-13 0006 (NSPA) BLODI. Neurosensory center-Ophthalmic pathology (human, rabbits).
- PO1NS-03354-13 0007 (NSPA) BENTON, A C. Neurosensory center-Laboratory of neuropsychology (human).
- PO1NS-03354-13 0008 (NSPA) OSSONIG, KARL C. Neurosensory center-Ultrasonography in ophthalmic diagnosis.
- PO1NS-03354-13 0009 (NSPA) WEIGEST. Neurosensory center-Electron microscopy (human, animals).
- PO1NS-03354-13 0010 (NSPA) HAYREH, S S. Neurosensory center-Experimental ophthalmology (human, monkeys).
- PO1NS-03356-14 (NSPA) KATZMAN, ROBERT, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVE, NEW YORK, N. Y. Neurological clinical research center.
- PO1NS-03356-14 0003 (NSPA) WISNIEWSKY, HENRY K. Neurological clinical research center-Ultrastructure studies of presenile and senile dementia (human, dog, monkey).
- PO1NS-03356-14 0009 (NSPA) FISCHER, CAROLYN. Neurological clinical research center-Developmental study of CNS myelin (mice).
- PO1NS-03356-14 0017 (NSPA) RAPIN, ISABELLE. Neurological clinical research center-Early diagnosis of hearing loss with evoked responses (human).
- PO1NS-03356-14 0026 (NSPA) KATZMAN, ROBERT. Neurological clinical research center-Relationship of CSF physiology to dementias (human).
- PO1NS-03356-14 0028 (NSPA) RAINE, CEDRIC S. Neurological clinical research center-Measles infection of cultured dorsal root ganglion (hamsters).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1NS-03356-14 0029 (NSPA) SCHAUMBERG, HERBERT. Neurological clinical research center—Acrylamide neuropathy (cats).
- PO1NS-03356-14 0032 (NSPA) CAMMER, WENDY. Neurological clinical research center—Other studies with CNS myelin (rats).
- PO1NS-03356-14 0040 (NSPA) LEDEEN, ROBERT. Neurological clinical research center—Ganglioside changes in disease (chimpanzees).
- PO1NS-03356-14 0041 (NSPA) VAUGHAN, HERBERT. Neurological clinical research center—Neuropsychological correlates of linguistic and non-linguistic processing (human).
- PO1NS-03356-14 0043 (NSPA) BUSCHKE, HERMAN. Neurological clinical research center—Neuropsychological studies (human).
- PO1NS-03356-14 0044 (NSPA) SUZUKI, KUNIHICO. Neurological clinical research center—Beta galactosidases (children, dogs).
- PO1NS-03356-14 0045 (NSPA) SUZUKI, KINUKO. Neurological clinical research center—Cholesterol esterifying enzymes (rats).
- PO1NS-02356-14 0046 (NSPA) MOORE, CYRIL. Neurological clinical research center—Brain metabolism.
- PO1NS-03358-13 (NSPB) NAUNTON, RALPH F, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Sensory disease clinical research center.
- PO1NS-03358-13 0003 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Auditory evoked responses (human, cats).
- PO1NS-03358-13 0004 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Localization of sound (human).
- PO1NS-03358-13 0007 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Vestibular physiology (human, monkeys).
- PO1NS-03358-13 0010 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Vestibular neuroanatomy.
- PO1NS-03358-13 0011 (NSPB) PROCTOR, LEONARD R. Sensory disease clinical research center—Thermal vestibular stimulation (cat).
- PO1NS-03358-13 0012 (NSPB) MATZ, GREGORY. Sensory disease clinical research center—Otoxic drugs (cats).
- PO1NS-03358-13 0013 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Presbycusis (human).
- PO1NS-03358-13 0014 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Impedance studies of middle ear (human).
- PO1NS-03358-13 0017 (NSPB) FERNANDEZ, CESAR. Sensory disease clinical research center—Temporal bone pathology (cats).
- PO1NS-02358-13 0018 (NSPB) PROCTOR, LEONARD R. Sensory disease clinical research center—Clinical vestibular function.
- PO1NS-03358-13 0019 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Auditory perception in children with middle ear hearing impairments (human).
- PO1NS-03358-13 0020 (NSPB) WEPMAN, JOSEPH M. Sensory disease clinical research center—Speech and speech pathology.
- PO1NS-03358-13 0022 (NSPB) SUGA, FUMIRO. Sensory disease clinical research center—Histopathology (human).
- PO1NS-03358-13 0023 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Clinical vestibular and eye movement studies.
- PO1NS-03358-13 0024 (NSPB) NAUNTON, RALPH F. Sensory disease clinical research center—Psychoacoustics (human).
- PO1NS-03360-14 (NSPA) FORSTER, FRANCIS M, N&R HOSPITAL, 1954 EAST WASHINGTON AVE, MADISON, WIS. Neurological clinical research center—Epilepsy.
- PO1NS-03360-14 0001 (NSPA) CHUN, RAYMOND W. Neurological clinical research center—Epilepsy—Epilepsy history computer interview program.
- PO1NS-03360-14 0006 (NSPA) BOOKER, HAROLD E. Neurological clinical research center—Epilepsy—Clinical pharmacology of antiepileptic drugs (human).
- PO1NS-03360-14 0012 (NSPA) FORSTER, FRANCIS M. Neurological clinical research center—Epilepsy—Reflex epilepsy (human).
- PO1NS-03360-14 0031 (NSPA) CELESIA, GASTONE G. Neurological clinical research center—Epilepsy—EEG and activation (human).
- PO1NS-03360-14 0039 (NSPA) SOBOKOWICZ, HANNA M. Neurological clinical research center—Epilepsy—Tissue culture of CNS—Development of organ of Corti (mice).
- PO1NS-03360-14 0045 (NSPA) BOOKER, HAROLD E. Neurological clinical research center—Epilepsy—Clinical pharmacology—Protein binding of antiepileptic drugs (human).
- PO1NS-03360-14 0046 (NSPA) BITTAR, EDWARD. Neurological clinical research center—Epilepsy—Biochemistry—Effects of diphenylhydantoin on membrane (barnacles).
- PO1NS-03360-14 0047 (NSPA) MACKINNEY A A. Neurological clinical research center—Epilepsy—Pharmacology—Toxicology of diphenylhydantoin (human, tissue culture).
- PO1NS-03360-14 0052 (NSPA) DALY, RICHARD F. Neurological clinical research center—Epilepsy—Chromosome analysis and diphenylhydantoin (human, tissue culture).
- PO1NS-03360-14 0054 (NSPA) CELESIA, GASTONE G. Neurological clinical research center—Epilepsy—Epileptogenic activity and sensory input (monkeys).
- PO1NS-03360-14 0055 (NSPA) CELESIA, GASTONE G. Neurological clinical research center—Epilepsy—Mercury toxicity and EEG (cats).
- PO1NS-03360-14 0056 (NSPA) CELESIA, GASTONE G. Neurological clinical research center—Epilepsy—EEG and prognosis (children).
- PO1NS-03360-14 0057 (NSPA) CELESIA, GASTONE G. Neurological clinical research center—Epilepsy—Computerized EEG program.
- PO1NS-03360-14 0058 (NSPA) MATTHEWS, C G. Neurological clinical research center—Epilepsy—Neuropsychology—Effects of temporal lobectomy (human).
- PO1NS-03360-14 0059 (NSPA) MATTHEWS, C G. Neurological clinical research center—Epilepsy—Neuropsychology—Effects of antiepileptic drugs (human).
- PO1NS-03360-14 0060 (NSPA) CLEELAND, CHARLES. Neurological clinical research center—Epilepsy—Neuropsychology—Computer system.
- PO1NS-03364-12 (NSPA) BAKER, ABE B, UNIVERSITY OF MINNESOTA HOSP, DEPARTMENT OF NEUROLOGY, MINNEAPOLIS, MINN. Neurological research center in cerebrovascular disease.
- PO1NS-03364-12 0001 (NSPA) LOEWENSON, RUTH B. Neurological research center in cerebrovascular disease—Natural history of cerebral vascular disease (human).
- PO1NS-03364-12 0004 (NSPA) RUBENS, ALAN B. Neurological research center in cerebrovascular disease—Language disorders and stroke (human).
- PO1NS-03364-12 0005 (NSPA) ETTINGER, MILTON. Neurological research center in cerebrovascular disease—Coagulation factors in stroke (human).
- PO1NS-03364-12 0007 (NSPA) MEYER, MAURICE W. Neurological research center in cerebrovascular disease—Assessment of cerebral circulation (dogs, monkeys).
- PO1NS-03364-12 0008 (NSPA) BAKER, ABE B. Neurological research center in cerebrovascular disease—Geographic studies of atherosclerosis of circle of Willis (human).
- PO1NS-03364-12 0010 (NSPA) WALTZ, ARTHUR G. Neurological research center in cerebrovascular disease—Pathophysiology of cerebral ischemia and hemorrhage (cats, monkeys).
- PO1NS-03364-12 0012 (NSPA) KLASSEN, ARTHUR C. Neurological research center in cerebrovascular disease—Hemorrhagic and brain stem strokes in an intensive care unit (human).
- PO1NS-03364-12 0013 (NSPA) MENER, MANFRED J. Neurological research center in cerebrovascular disease—Prevention and treatment of stroke (human).
- PO1NS-03364-12 0018 (NSPA) LIN, SPING. Neurological research center in cerebrovascular disease—Response of single nerve cell to hypoxia (crayfish).
- PO1NS-03364-12 0019 (NSPA) SUNG, JOO HO. Neurological research center in cerebrovascular disease—Experimental atherosclerosis in pigs.
- PO1NS-03364-12 0023 (NSPA) KLASSEN, ARTHUR C. Neurological research center in cerebrovascular disease—Cerebral blood flow studies in human.
- PO1NS-03364-12 0024 (NSPA) TORRES, FERNANDO. Neurological research center in cerebrovascular disease—Reflex cutaneous plethysmography (human).
- PO1NS-03364-12 0025 (NSPA) TORRES, FERNANDO. Neurological research center in cerebrovascular disease—Visual evoked responses (human).
- PO1NS-03364-12 0029 (NSPA) SUNG, JOO HO. Neurological research center in cerebrovascular disease—Chemical changes in cerebral arteries of man with aging.
- PO1NS-03364-12 0030 (NSPA) COHEN, HAROLD P. Neurological research center in cerebrovascular disease—Neuronal, chemical and enzymatic effects of cerebral infarction and hemorrhage.
- PO1NS-03364-12 0031 (NSPA) SUNG, JOG HO. Neurological research center in cerebrovascular disease—Cerebral atherosclerosis, cerebral vascular lesions and diet (human).
- PO1NS-03364-12 0032 (NSPA) AYALA, GIOVANNI. Neurological research center in cerebrovascular disease—Hydrodynamic input impedance of the carotid arterial tree (dogs, monkeys).
- PO1NS-03364-12 0033 (NSPA) ALTER, MILTON. Neurological research center in cerebrovascular disease—Prognosis and socioeconomic impact of stroke (human).
- RO1NS-03437-13 (PHY) MOORE, JOHN W, DUKE UNIVERSITY MEDICAL CTR, DEPT OF PHYSIOL/PHARMACOLOGY, DURHAM, N C. Physiology and pharmacology of excitable membranes (squid, crayfish, lobster).
- RO1NS-03464-11 (PHRA) GROB, DAVID, MAIMONIDES MEDICAL CENTER, 4802 TENTH AVENUE, BROOKLYN, N Y. Defect in myasthenia and other neuromuscular diseases (human, mammals).
- RO1NS-03469-13 (EXF) EPSTEIN, ALAN N, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF BIOLOGY, PHILADELPHIA, PA. Neurological bases of feeding and drinking (rats).
- RO1NS-03534-13 (PHRA) BUSH, MILTON T, VANDERBILT UNIVERSITY, DEPT OF PHARMACOLOGY, NASHVILLE, TENN. Metabolic interaction of drugs (human, dogs, rats, mice).
- RO1NS-03606-13 (NEUA) DOTY, ROBERT W, UNIVERSITY OF ROCHESTER, CTR FOR BRAIN RESEARCH, ROCHESTER, N Y. Learning, perception and neural integration (monkeys).
- PO1NS-03627-12 (NSPB) MC CANN, GILBERT D, CALIFORNIA INSTITUTE OF TECH, 1201 E CALIFORNIA STREET, PASADENA, CALIF. Cerebral and related systems.
- PO1NS-03627-12 0001 (NSPB) FENDER, DEREK H. Cerebral and related systems—Human vision.
- PO1NS-03627-12 0004 (NSPB) NAKA, KEN-ICHI. Cerebral and related systems—Vertebrate visual system (cats, catfish, amphibians).
- PO1NS-03627-12 0009 (NSPB) MCCANN, GILBERT D. Cerebral and related systems—Insect nervous system studies (fly, honeybee).
- RO1NS-03641-08 (SRC) WOOLSEY, CLINTON N, UNIVERSITY OF WISCONSIN, 283 MEDICAL SCIENCES BUILDING, MADISON, WIS. Comparative studies on nervous system (mammals).
- RO1NS-03654-13 (CMS) TONNDORF, JUERGEN, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Mechanical properties of the ear (human, cats).
- RO1NS-03659-13 (CBY) PALAY, SANFORD L, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Fine structure of the nervous system (rats, monkeys).
- RO1NS-03677-13 (PTHA) CLASEN, RAYMOND A, RUSH-PRESBY-ST LUKES MED CTR, 1753 W CONGRESS PARKWAY, CHICAGO, ILL. Experimental cerebral injury and edema (primates, dogs).
- RO1NS-03728-11 (PHY) GRUNDFEST, HARRY, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Generation and role of bioelectric activity (animals).
- RO1NS-03743-13 (NEUB) BAXTER, CLAUDE F, CITY OF HOPE MEDICAL CENTER, DIVISION OF NEUROSCIENCES, DUARTE, CALIF. Amino acids and related metabolites in the CNS (toads, rats, chicks).
- RO1NS-03752-13 (COM) BARLOW, JOHN S, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Computer studies of brain potentials (human).
- RO1NS-03756-12 (NEUA) PIERCE, ELIZABETH T, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Histogenesis in normal and abnormal brain (mice).
- RO1NS-03777-11 (NEUB) LEVI-MONTALCINI, RITA, WASHINGTON UNIVERSITY, LINDELL & SKINKER BLVD, ST LOUIS, MO. Growth inhibitory mechanism of the adrenergic neuron (human, animals).
- PO1NS-03798-12 (NSPB) WEVER, ERNEST G, 1-S-14 GREEN BLDG, PRINCETON, N J. The nature of hearing.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1NS-03798-12 0001 (NSPB) WEVER, ERNEST G. The nature of hearing—Hair cell stimulation (lizards, frogs, turtles, birds).

PO1NS-03798-12 0002 (NSPB) SIMMONS, JAMES A. The nature of hearing—Echololocation and behavior in bats.

PO1NS-03798-12 0003 (NSPB) WEVER, ERNEST G. The nature of hearing—Hearing in reptiles.

PO1NS-03798-12 0004 (NSPB) WEVER, ERNEST G. The nature of hearing—Hearing in insects (cicadas).

PO1NS-03798-12 0005 (NSPB) WEVER, ERNEST G. The nature of hearing—Hearing in lower vertebrates (fish, amphibians).

PO1NS-03798-12 0006 (NSPB) WEVER, ERNEST G. The nature of hearing—Hearing in mammals.

PO1NS-03798-12 0007 (NSPB) WEVER, ERNEST G. The nature of hearing—Evolution of the ear.

RO1NS-03855-12 (CMS) ANSON, BARRY J, UNIVERSITY OF IOWA, DEPT OF OTOL & MAXILLOFAC SURG, IOWA CITY, IOWA. Surgical anatomy of ear and temporal bone (human).

PO1NS-03856-12 (NSPB) HIRSH, IRA J, CENTRAL INSTITUTE FOR THE DEAF, 818 SOUTH EUCLID AVE, ST LOUIS, MO. Auditory communication and its disorders.

PO1NS-03856-12 0001 (NSPB) DAVIS, H. Auditory communication and its disorders—Electroencephalography (human).

PO1NS-03856-12 0002 (NSPB) ELDREDGE, D H. Auditory communication and its disorders—Electrophysiology and anatomy (chinchillas).

PO1NS-03856-12 0003 (NSPB) HIRSH, IRA J. Auditory communication and its disorders—Sensory behavior (human, chinchillas).

PO1NS-03856-12 0004 (NSPB) HIRSH, IRA J. Auditory communication and its disorders—Effects of sound exposure on the ear and hearing (human, chinchillas).

PO1NS-03856-12 0005 (NSPB) HIRSH, IRA J. Auditory communication and its disorders—Psychophysics and perception (human).

PO1NS-03856-12 0006 (NSPB) EBER, NORMAN. Auditory communication and its disorders—Speech, language and deafness (children).

PO1NS-03856-12 0007 (NSPB) HIRSCH, IRA J. Auditory communication and its disorders—Electrical engineering and physical acoustics.

RO1NS-03909-13 (TOX) MATSUMOTO, HIROMU, UNIVERSITY OF HAWAII, 1825 EDMONDSON ROAD, HONOLULU, HAWAII. Biochemistry and histopathology of cycasin toxicity (rats).

RO1NS-03932-13 (CMS) KIMURA, ROBERT S, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. Electron microscopy of the inner ear (human, animals).

RO1NS-03950-12 (CMS) ZWISLOCKI, JOZEF J, LABORATORY OF SENSORY COMMUN, 821 UNIVERSITY AVENUE, SYRACUSE, N Y. Sensory processes (horse shoe crab).

RO1NS-03970-12 (PHY) COHEN, MORTON I, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Neural basis of respiratory and vasomotor activity (cats).

RO1NS-03989-12 (NEUA) NUNNBAUMER, RUDOLPH F, CLARK UNIVERSITY, 950 MAIN STREET, WORCESTER, MASS. Comparative study of nerve ultrastructure (animals).

RO1NS-04003-11 (CMS) LINDBLOM, BJORN E, ROYAL INST OF TECHNOLOGY, S-100 44, STOCKHOLM 70 SWEDEN. Acoustic specification of speech (human).

PO1NS-04053-12 (NSPA) WARD, ARTHUR A, JR, DEPT OF NEUROLOGICAL SURGERY, UNIV OF WASHINGTON SCH OF MED, SEATTLE, WASH. Epilepsy.

PO1NS-04053-12 0001 (NSPA) WESTRUM, LESNICK. Epilepsy—Neuroanatomy—Degeneration of synapses and deafferentation (rats, cats).

PO1NS-04053-12 0002 (NSPA) HARRIS, A BASIL. Epilepsy—Effect of seizures on chronic brain degeneration (monkeys).

PO1NS-04053-12 0003 (NSPA) CALVIN, WILLIAM. Epilepsy—Neurophysiology—Firing mechanisms (cats).

PO1NS-04053-12 0004 (NSPA) GLOTZNER, FRANK L. Epilepsy—Electrophysiology of neuroglia (cats, monkeys).

PO1NS-04053-12 0006 (NSPA) FETZ, EBERHARD E. Epilepsy—Single neurons in motor cortex (monkeys).

PO1NS-04053-12 0007 (NSPA) LOESER, JOHN D. Epilepsy—Hyperactivity in spinal cord sensory system (cats).

PO1NS-04053-12 0008 (NSPA) HALPERN, LAWRENCE. Epilepsy—Microiontophoresis of putative transmitters on neurons in cortical slabs (cats).

PO1NS-04053-12 0009 (NSPA) HALPERN, LAWRENCE. Epilepsy—Electrical concomitants of positive reinforcement (rats).

PO1NS-04053-12 0010 (NSPA) GREEN, JOHN. Epilepsy—Neurochemistry (human, monkeys, cats).

PO1NS-04053-12 0011 (NSPA) LOCKARD, JOAN. Epilepsy—Behavioral physiology (monkeys).

PO1NS-04053-12 0012 (NSPA) CHATRIAN, GIAN E. Epilepsy—Electroencephalography (human).

PO1NS-04053-12 0013 (NSPA) OJEMANN, GEORGE A. Epilepsy—Physiological studies in the human.

PO1NS-04053-12 0015 (NSPA) CARTER, PATSY. Epilepsy—Seizure clinic—Social service.

PO1NS-04053-12 0016 (NSPA) HARRIS, A BASIL. Epilepsy—Degeneration in experimental epileptic foci (monkeys).

PO1NS-04053-12 0017 (NSPA) HARRIS, A BASIL. Epilepsy—Ultrastructure and histochemistry of lamina in cortex (monkeys).

PO1NS-04053-12 0018 (NSPA) HARRIS, A BASIL. Epilepsy—Simulation of neuron networks.

PO1NS-04053-12 0019 (NSPA) CALVIN, WILLIAM. Epilepsy—Theory of epileptic focus.

PO1NS-04053-12 0020 (NSPA) LOESER, JOHN. Epilepsy—Deafferentation of the external cuneate nucleus (cats).

PO1NS-04053-12 0021 (NSPA) OJEMANN, GEORGE. Epilepsy—Effects of sub-cortical lesions on epilepsy (human, monkeys, cats).

RO1NS-04064-12 (NEUB) BERL, SOLL, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Amino acids and protein in brain structure and function (animals).

RO1NS-04082-12 (NEUB) CARPENTER, MALCOLM B, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Anatomy of basal ganglia and related nuclei (monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1NS-04096-13 (NEUB) BERGMAN, RONALD A, JOHN HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Normal, degenerating and dystrophic muscle (human, guinea pigs, cats).

RO1NS-04119-11 (NEUA) RUTLEDGE, LESTER T, UNIV OF MICHIGAN MED SCH, MEDICAL SCIENCE BUILDING, ANN ARBOR, MICH. Plasticity of synaptic mechanisms (cats).

RO1NS-04131-12 (NEUA) LOCKE, SIMBON, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. Thalamo-cortical connections in brain (monkeys).

RO1NS-04147-12 (PTHA) CAUNA, NIKOLAJ, UNIVERSITY OF PITTSBURGH, DEPT OF ANATOMY & CELL BIOLOGY, PITTSBURGH, PA. Fine structure and chemistry of nerve endings (human, rats).

RO1NS-04262-12 (PHY) SANDOW, ALEXANDER, INSTITUTE FOR MUSCLE DISEASE, 515 EAST 71 STREET, NEW YORK, N Y. Muscle—Activation and relaxation mechanisms (rats, mice, chickens, frogs).

RO1NS-04270-12 (PC) SHOOTER, ERIC M, STANFORD UNIVERSITY SCH OF MED, DEPARTMENT OF GENETICS, STAMFORD, CALIF. Molecular neurobiology—Proteins of the nervous system (rodents, snakes).

RO1NS-04349-12 (MCHA) CANNON, JOSEPH G, UNIVERSITY OF IOWA, COLLEGE OF PHARMACY, IOWA CITY, IOWA. Dopaminergic compounds related to apomorphine (mice, rats, pigeons, dogs).

RO1NS-04403-12 (SSS) WARD, W DIXON, UNIVERSITY OF MINNESOTA, BOX 461 MAYO, MINNEAPOLIS, MINN. Determination of susceptibility to hearing loss (chinchillas).

RO1NS-04431-12 (PHRA) LONG, JOHN P, UNIVERSITY OF IOWA, DEPARTMENT OF PHARMACOLOGY, IOWA CITY, IOWA. Autonomic transmission (dogs, cats, guinea pigs, rats).

RO1NS-04454-11 (MET) BROWN, FOUNTAINE C, UNIVERSITY OF TENN MEDICAL UNIV, 800 MADISON AVE, MEMPHIS, TENN. Cystathionine metabolism in brain (monkeys).

RO1NS-04456-12 (NEUB) BORISON, HERBERT L, PROFESSOR OF PHARMACOLOGY, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. Chemosensors of the nervous system (cats).

PO1NS-04513-11 (NSPA) O'LEARY, JAMES L, WASHINGTON UNIV MEDICAL SCHOOL, 4550 SCOTT AVENUE, ST LOUIS, MO. Coordinated basic and clinical brain research program.

PO1NS-04513-11 0001 (NSPA) O'LEARY, JAMES L. Coordinated basic and clinical brain research program—Cerebellar anatomy and physiology (monkeys, raccoons).

PO1NS-04513-11 0002 (NSPA) LANDAU, WILLIAM M. Coordinated basic and clinical brain research program—Neurophysiological studies of striated muscle innervation (cats).

PO1NS-04513-11 0005 (NSPA) GOLDRING, SIDNEY. Coordinated basic and clinical brain research program—Mechanisms in grand mal epilepsy (human).

PO1NS-04513-11 0009 (NSPA) OLEARY, JAMES L. Coordinated basic and clinical brain research program—Development of nerve terminals in explants of cerebellum (mice).

PO1NS-04513-11 0010 (NSPA) KLINKERFUSS, GEORGE H. Coordinated basic and clinical brain research program—Muscle biopsy studies (human, rabbits).

PO1NS-04513-11 0012 (NSPA) GOLDRING, SIDNEY. Coordinated basic and clinical brain research program—Unit potential studies in sensory systems (human, cats, monkeys, raccoons).

PO1NS-04513-11 0013 (NSPA) RANSOM, BRUCE R. Coordinated basic and clinical brain research program—Glial contributions to steady potentials (cats).

PO1NS-04513-11 0017 (NSPA) OLEARY, JAMES L. Coordinated basic and clinical brain research program—Axoplasmic flow in cerebellar mossy and climbing fibers (cats).

PO1NS-04553-10 (NSPA) WOODBURY, DIXON M, UNIV OF UTAH COLL OF MEDICINE, DEPARTMENT OF PHARMACOLOGY, SALT LAKE CITY, UTAH. Neuropharmacology and neurochemistry program research.

PO1NS-04553-10 0001 (NSPA) JOHNSON, CONRAD E. Neuropharmacology and neurochemistry program research—Blood-brain and blood-cerebrospinal fluid barriers (rodents, rabbits).

PO1NS-04553-10 0002 (NSPA) KEMP, JOHN W. Neuropharmacology and neurochemistry program research—Pharmacology, physiology and biochemistry of the CNS (drugs, rats).

PO1NS-04553-10 0003 (NSPA) WOODBURY, DIXON M. Neuropharmacology and neurochemistry program research—Neuropharmacology of anticonvulsant and convulsant drugs (rodents, frogs, cats).

PO1NS-04553-10 0004 (NSPA) WOODBURY, DIXON M. Neuropharmacology and neurochemistry program research—Carbon dioxide and carbonic anhydrase in CNS and other tissues (rats, mice).

PO1NS-04553-10 0005 (NSPA) KEMP, JOHN W. Neuropharmacology and neurochemistry program research—Neuropharmacology of psychotropic agents and biochemical effects (animals).

PO1NS-04553-10 0006 (NSPA) KARLER, RALPH E. Neuropharmacology and neurochemistry program research—Biochemical pharmacology of CNS muscle and other tissues (animals).

PO1NS-04553-10 0007 (NSPA) PARTLOW, LESTER M. Neuropharmacology and neurochemistry program research—Endocrine-central nervous system interrelations (rats).

PO1NS-04553-10 0008 (NSPA) WITHROW, C DEAN. Neuropharmacology and neurochemistry program research—Electrolyte and acid-base metabolism (rats).

PO1NS-04553-10 0009 (NSPA) JOHANSON, CONRAD E. Neuropharmacology and neurochemistry program research—Maturation of the central nervous system.

RO1NS-04555-11 (END) PESETSKY, IRWIN, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Influence of thyroxin upon neurons (frogs, rats).

RO1NS-04615-11 (CMS) DUVALL, ARNDT J, 3D, UNIVERSITY OF MINNESOTA, BOX 478, MINNEAPOLIS, MINN. Fluid barriers within the cochlea (guinea pigs).

RO1NS-04618-11 (PHRA) WAUD, DOUGLAS R, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Drug-receptor interactions (animals).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1NS-04655-12 (NEUA) HARDY, JAMES D, JOHN B PIERCE FDN LABORATORY, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Single unit activity and thermoregulation (rabbits).
- RO1NS-04656-11 (NEUB) KOENIG, EDWARD, S U N Y - AT BUFFALO, DEPT OF PHYSIOLOGY, BUFFALO, N. Y. Protein synthesizing machinery (frogs).
- RO1NS-04677-12 (NEUA) MOORE, ROBERT Y, UNIVERSITY OF CHICAGO HOSPS, BOX 228, 950 E 59TH STREET, CHICAGO, ILL. Central mechanism in diurnal rhythm regulation (rats).
- RO1NS-04699-09 (PHRA) SASTRY, B RAMA, VANDERBILT UNIVERSITY, DEPT OF PHARMACOLOGY, NASHVILLE, TENN. Biological significance of cholinesterase other than ACh (human, animal).
- RO1NS-04703-11 (BT) ROSENTHAL, IRA M, UNIVERSITY OF ILLINOIS HOSP, 840 S WOOD STREET, CHICAGO, ILL. Catecholamine metabolism in neuroblastoma (human).
- RO1NS-04744-11 (NEUB) BROOKHART, JOHN M, UNIVERSITY OF OREGON, 3181 SW SAM JACKSON PARK RD, PORTLAND, OREG. Neural mechanisms of postural control (dogs).
- RO1NS-04755-11 (CMS) SHERRICK, CARL E, PRINCETON UNIVERSITY, FORRESTAL CAMPUS, PRINCETON, N. J. Parameters of cutaneous communication (human).
- RO1NS-04761-11 (RAD) GILMORE, SHIRLEY A, UNIVERSITY OF ARKANSAS, 4301 WEST MARIHAM STREET, LITTLE ROCK, ARK. Radiation induced changes in neonatal nervous system (rats).
- RO1NS-04834-11 (PC) LEDERER, ROBERT W, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Nervous system gangliosides (human, fish, chickens, rabbits).
- RO1NS-04876-09 (NEUA) REIS, DONALD J, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Central neural regulation of baroreceptor reflexes (cats).
- RO1NS-04928-10 (NEUB) PLUM, FRED, CORNELL UNIV MEDICAL COLL, 1300 YORK AVENUE, NEW YORK, N. Y. Cerebral metabolism during repetitive seizures (primates).
- RO1NS-04953-11 (NEUA) SCHLAG, JOHN D, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Conditioning of pyramidal activity by sensory inflow (cats).
- RO1NS-04988-11 (NEUB) MASTUK, WILLIAM L, COLL OF PHYSICIANS & SURGEONS, 630 WEST 168TH STREET, NEW YORK, N. Y. Cholinergic receptor activation and desensitization (frogs).
- RO1NS-04989-11 (PHY) MELLON, DE FOREST, JR, UNIVERSITY OF VIRGINIA, GILMER HALL, CHARLOTTESVILLE, VA. Integration of sensory input (clams, crayfish).
- RO1NS-05016-11 (CMS) SINGLETON, GEORGE, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Electro-anatomy of the cochlea (guinea pigs).
- RO1NS-05024-10 (NEUB) HOCHWALD, GERALD M, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Spinal fluid proteins and blood CSF barrier (cats).
- RO1NS-05065-10 (CMS) HAWKINS, JOSEPH E, JR, KRESGE HEARING RESEARCH INST, 1301 E ANN STREET, ANN ARBOR, MICH. Microscopic studies of the inner ear (human, animals).
- RO1NS-05077-11 (CMS) STEBBINS, WILLIAM C, KRESGE HEARING RES INST, 1301 E ANN STREET, ANN ARBOR, MICH. Latency-intensity functions in the auditory system (monkeys).
- RO1NS-05096-11 (MET) SHIH, VIVIAN E, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT ST, BOSTON, MASS. New amino acid disorders in cerebral disease.
- RO1NS-05096-11 0001 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Homocystinuria due to methylenetetrahydrofolate reductase deficiency (children).
- RO1NS-05096-11 0002 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Sulfur containing aminoacidopathy (children).
- RO1NS-05096-11 0003 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Hyperglycinemias (children).
- RO1NS-05096-11 0004 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Tyrosinosis without hepatorenal disease (children).
- RO1NS-05096-11 0005 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Hyperornithinemia.
- RO1NS-05096-11 0006 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Maternal phenylketonuria (mothers, children).
- RO1NS-05096-11 0007 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Amino acid transport disorders in infancy and childhood.
- RO1NS-05096-11 0008 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Episodic acidosis (human).
- RO1NS-05096-11 0009 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Amino acid abnormalities in neonatal or early infancy liver disease.
- RO1NS-05096-11 0010 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Animal model for PKU (primates screening).
- RO1NS-05096-11 0011 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Arginase deficiency in monkeys.
- RO1NS-05096-11 0012 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Hypoglycin A induced isolaric acidemia and other abnormalities (rats).
- RO1NS-05096-11 0013 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Diagnosis of isolaric acidemia in cell culture and amniotic fluid (human).
- RO1NS-05096-11 0014 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Diagnosis of metabolic and transport disorders of the fetus (human).
- RO1NS-05096-11 0015 (MET) SHIH, VIVIAN E. New amino acid disorders in cerebral disease-Classical maple syrup urine disease.
- RO1NS-05136-11 (COM) TOWE, ARNOLD L, UNIV OF WASHINGTON SCH OF MED, DEPT OF PHYS & BIOPHYS, SEATTLE, WASH. High-speed data acquisition and computer analysis (primates, cats).
- RO1NS-05143-10 (CMS) GOLDSTEIN, MOISE H, JR, JOHNS HOPKINS SCHOOL OF MED, 720 RUTLAND AVENUE, BALTIMORE, MD. Neural encoding of patterned acoustic stimuli (birds, monkeys).
- RO1NS-05152-11 (NEUA) FISHER, CHARLES M, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Clinicopathologic investigation of stroke (human).
- RO1NS-05159-11 (NEUB) SHERMAN, WILLIAM R, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Metabolism of inositols and inositides (rats).
- RO1NS-05188-11 (PHY) DIECKE, FRIEDRICH P, UNIVERSITY OF IOWA, COLLEGE OF MEDICINE, IOWA CITY, IOWA. Ion movements and permeability of axon membranes (annelids, frogs, rats).
- RO1NS-05237-11 (CMS) GOLDBERG, JAY M, UNIVERSITY OF CHICAGO, 951 E 58TH STREET, CHICAGO, ILL. Physiology of auditory and vestibular systems (monkeys).
- RO1NS-05264-10 (NEUB) SEGUNDO, JOSE P, UNIVERSITY OF CALIFORNIA, DEPT OF ANATOMY, LOS ANGELES, CALIF. Significance of neuronal discharge parameters (mollusks, fish).
- RO1NS-05270-11 (BIO) MOORE, BLAKE W, WASHINGTON UNIVERSITY, 4940 AUDUBON AVENUE, ST LOUIS, MO. Fractionation of brain proteins (cattle, rabbits, octopus).
- RO1NS-05423-10 (PHY) LARIMER, JAMES L, UNIVERSITY OF TEXAS, DEPARTMENT OF ZOOLOGY, AUSTIN, TEXAS. Neural basis of behavior (crayfish).
- RO1NS-05424-10 (NEUB) SWANSON, PHILLIP D, UNIVERSITY HOSPITAL, DIV OF NEUROLOGY RG-20, SEATTLE, WASH. Energy-utilizing process in the CNS (guinea pigs).
- RO1NS-05430-09 (MBY) ROBINSON, JOSEPH D, 766 IRVING AVENUE, SYRACUSE, N. Y. Changes in brain microsomal structure and composition (rats, rabbits, fish).
- RO1NS-05437-09 (EXP) BUCHWALD, JENNIFER S, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Response plasticity during increased synaptic use (cats).
- RO1NS-05441-10 (NEUB) YASE, YOSHIRO, WAKAYAMA MEDICAL COLLEGE, WAKAYAMA CITY, JAPAN. Amyotrophic lateral sclerosis in the Kii Peninsula (human).
- RO1NS-05464-10 (CMS) PICKETT, JAMES M, GALLAUDET COLLEGE, 7TH & FLORIDA AVENUE, N E, WASHINGTON, D C. Perception of complex auditory stimuli by the deaf (human).
- RO1NS-05509-10 (NEUB) KOENIG, HAROLD, VETERANS ADMIN RESEARCH HOSP, 333 E HURON ST, CHICAGO, ILL. Studies of neural lysosomes (human, rats).
- RO1NS-05572-10 (SSS) GONATAS, NICHOLAS K, UNIVERSITY OF PENNSYLVANIA, 447 JOHNSON PAVILION, PHILADELPHIA, PA. Ultrastructural basis of neuropsychiatric disease.
- RO1NS-05572-10 0001 (SSS) GONATAS, NICHOLAS K. Ultrastructural basis of neuropsychiatric disease-Experimental allergic encephalomyelitis (rats, guinea pigs).
- RO1NS-05572-10 0002 (SSS) GONATAS, NICHOLAS K. Ultrastructural basis of neuropsychiatric disease-Neuropathology of the neonatal rat.
- RO1NS-05572-10 0003 (SSS) GONATAS, NICHOLAS K. Ultrastructural basis of neuropsychiatric disease-Immunocellular methods for cell surface and intracellular labeling.
- RO1NS-05572-10 0004 (SSS) GONATAS, NICHOLAS K. Ultrastructural basis of neuropsychiatric disease-Ultrastructural clinical studies.
- RO1NS-05591-10 (NEUB) HARTMANN, J FRANCIS, PRESBYTERIAN-ST LUKES HOSPITAL, 1753 W CONGRESS PKWY, CHICAGO, ILL. Electron microscopy of cerebral tissue (rats, monkeys, garbils).
- RO1NS-05606-10 (NEUB) GERSTEIN, GEORGE L, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF PHYSIOLOGY, PHILADELPHIA, PA. Interactions between neurons (cats, crayfish, rabbits).
- RO1NS-05611-10 (PHRA) ANDERSON, EDMUND G, UNIVERSITY OF ILLINOIS, 901 SOUTH WOLCOTT AVENUE, CHICAGO, ILL. Spinal synaptic transmission and biogenic amines (cats).
- RO1NS-05631-08 (NEUB) KORNGUTH, STEVEN E, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Biochemistry of isolated synaptic complexes (monkeys).
- RO1NS-05638-10 (NEUA) HAYWARD, JAMES N, UNIVERSITY OF CALIFORNIA, DEPT OF NEUROLOGY, LOS ANGELES, CALIF. Central neural regulation of body fluids (animals).
- RO1NS-05666-10 (NEUB) EYZAGUIRRE, CARLOS E, UNIVERSITY OF UTAH, 4020 UNIV MEDICAL CENTER, SALT LAKE CITY, UTAH. Schemoreceptor activity of carotid body (frogs, crayfishes).
- RO1NS-05685-10 (NEUB) KRUGER, LAWRENCE, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Comparative studies of somatic afferent projection (rats, cats, primates).
- RO1NS-05715-09 (NEUA) SCHWARTZ, ARTHUR S, ST JOSEPH'S HOSP & MED CENTER, 350 W THOMAS ROAD, PHOENIX, ARIZ. Neurological mechanisms of sensory deficit (monkeys).
- RO1NS-05716-10 (PHRA) RALL, THEODORE W, CASE WESTERN RESERVE UNIV, DEPT OF PHARMACOLOGY, CLEVELAND, OHIO. Cyclic 3,5-AMP in action of neurohormones (rabbits, guinea pigs).
- RO1NS-05721-10 (CBY) HAMBURGER, VIKTOR, WASHINGTON UNIVERSITY, LINDELL AND SKINKER, ST LOUIS, MO. Neurogenesis and development of behavior (chick embryos).
- PO1NS-05785-09 (NSPB) LAWRENCE, MERLE, KRESGE HEARING RES INST, 1301 E ANN STREET, ANN ARBOR, MICH. Causes of deafness.
- PO1NS-05785-09 0001 (NSPB) CLACK, T DEAN. Causes of deafness-Aural amplitude distortion (human).
- PO1NS-05785-09 0003 (NSPB) HAWKINS, JOSEPH E. Causes of deafness-Microscopic and experimental pathology (human, dogs).
- PO1NS-05785-09 0004 (NSPB) HAWKINS, JOSEPH E. Causes of deafness-Ototoxic properties of fragments of the neomycin molecule (cats).
- PO1NS-05785-09 0005 (NSPB) LAWRENCE, MERLE. Causes of deafness-Microcirculatory laboratory (guinea pigs).
- PO1NS-05785-09 0006 (NSPB) MOODY, DAVID G. Causes of deafness-Changes in absolute threshold (monkeys).
- PO1NS-05785-09 0007 (NSPB) MOODY, DAVID G. Causes of deafness-Effect of drugs on the perception of loudness (primates).
- PO1NS-05785-09 0008 (NSPB) MOODY, DAVID G. Causes of deafness-Computerized system for audiometric testing.
- PO1NS-05785-09 0009 (NSPB) NUTTALL, ALFRED L. Causes of deafness-Electrophysiology laboratory (guinea pigs).
- PO1NS-05785-09 0010 (NSPB) STEBBINS, WILLIAM C. Causes of deafness-Hearing in nonhuman primates.
- PO1NS-05785-09 0011 (NSPB) STEBBINS, WILLIAM C. Causes of deafness-Environmental agents causing temporary and permanent hearing loss (monkeys).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PO1NS-05785-09 0013 (NSPB) ANDERSON, D S. Causes of deafness-Neurophysiology laboratory (human, monkeys).
- PO1NS-05785-09 0014 (NSPB) GATES, G A. Causes of deafness-Vestibular function (human, mammals).
- PO1NS-05785-09 0015 (NSPB) SMITH, GLEN W. Causes of deafness-Microscopic anatomy laboratory (human, cats).
- PO1NS-05785-09 0016 (NSPB) RITTER, F N. Causes of deafness-Temporal bone laboratory (human).
- PO1NS-05785-09 0017 (NSPB) ROGERS, RONALD M. Causes of deafness-Clinical and audiometric techniques (human).
- RO1NS-05811-10 (NEUB) DYCK, PETER J, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Peripheral neuropathy in man.
- PO1NS-05820-09 (NBPA) SCHEINBERG, PERITZ, UNIV OF MIAMI, P O BOX 875 BISCAYNE ANNEX, MIAMI, FLA. Research center for cerebral vascular diseases.
- PO1NS-05820-09 0001 (NBPA) NILSSON, LORENZ. Research center for cerebral vascular diseases-Brain energy and acid based parameters (rats).
- PO1NS-05820-09 0002 (NBPA) SCHEINBERG, PERITZ. Research center for cerebral vascular diseases-Hyperventilation on recovery from circulatory arrest (rats).
- PO1NS-05820-09 0003 (NBPA) SCHEINBERG, PERITZ. Research center for cerebral vascular diseases-Hypothermia (rats).
- PO1NS-05820-09 0004 (NBPA) HARKNESS, DONALD. Research center for cerebral vascular diseases-Salicylates and urea in sickle cell anemia (human, rabbits).
- PO1NS-05820-09 0005 (NBPA) SCHWATZMAN, ROBERT. Research center for cerebral vascular diseases-Training in hemiplegia recovery (human, primates).
- RO1NS-05873-09 (CMS) DIRKS, DONALD D, UNIVERSITY OF CALIFORNIA, DEPT OF SURGERY, LOS ANGELES, CALIF. Binaural hearing (human).
- RO1NS-05881-09 (CMS) SCHUKNECHT, HAROLD F, MASSACHUSETTS EYE & EAR INFIRM, 243 CHARLES STREET, BOSTON, MASS. Otopathology by light microscopy (human).
- RO1NS-05910-08 (PHY) BRANDT, PHILIP W, COLLEGE OF PHYSICIANS & SURGEON, 630 WEST 168TH STREET, NEW YORK, N Y. Cell physiology correlated with ultrastructure (crayfish).
- RO1NS-05934-09 (NEUB) STEVENS, CHARLES F, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Basic neural mechanisms (slugs).
- RO1NS-05937-09 (EXP) TRITELBAUM, PHILIP, UNIVERSITY OF PENNSYLVANIA, 3815 WALNUT STREET, PHILADELPHIA, PA. Lateral hypothalamic recovery.
- RO1NS-05961-09 (NEUB) GILBOE, DAVID D, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Metabolism of the brain (dogs).
- RO1NS-05979-09 (PHRA) GOLDBERG, NILSON D, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Krebs cycle and cyclic nucleotide control (mice, rats, guinea pigs).
- RO1NS-05982-09 (NEUA) JOHNSON, JOHN I, JR, MICHIGAN STATE UNIVERSITY, BIOPHYSICS DEPT, EAST LANSING, MICH. Development of afferent neural centers (opossum).
- RO1NS-06011-09 (MET) NICHOLAS, HAROLD J, INST OF MED EDUCATION & RESEAR, 1605 SOUTH FOURTEENTH STREET, ST LOUIS, MO. Lipids of the central nervous system (human, cattle, rats).
- RO1NS-06115-10 (NEUB) MOREST, DONALD K, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Anatomy of the auditory system (cats, rats).
- RO1NS-06163-09 (MET) THURSTON, JEAN H, WASHINGTON UNIV MEDICAL SCHOOL, 500 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Cerebral metabolism in newborn and young (children, mice).
- RO1NS-06164-09 (NEUB) BERNSTEIN, JERALD J, UNIV OF FLORIDA COLL OF MED, DEPT OF NEUROSCIENCE, GAINESVILLE, FLA. Regeneration in the central nervous system (monkeys, rats, fish).
- RO1NS-06188-09 (MED) LANGMAN, JAN, UNIVERSITY OF VIRGINIA, JORDAN HALL, CHARLOTTESVILLE, VA. Abnormal development of the nervous system (chick embryo, mice, hamsters).
- RO1NS-06205-07 (CMS) KIRMAN, JACOB H, QUEENS COLLEGE OF C U N Y, DEPT OF PSYCHOLOGY, FLUSHING, N Y. Tactile communication of speech to the deaf (human).
- PO1NS-06208-09 (NSPB) GLASER, GILBERT H, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Epilepsy research program.
- PO1NS-06208-09 0004 (NSPB) PINCUS, JONATHAN M. Epilepsy research program-Action of diphenylhydantoin (lobsters, rats, cattle, rabbits).
- PO1NS-06208-09 0011 (NSPB) HUTTENLOCHER, PETER R. Epilepsy research program-Ketogenic diet in treatment of intractable epilepsy (human).
- PO1NS-06208-09 0014 (NSPB) WILLIAMSON, P D. Epilepsy research program-Cerebral sensory evoked potentials related to epilepsy (cats, monkeys).
- PO1NS-06208-09 0015 (NSPB) YU, R K. Epilepsy research program-Neuronal membrane polyanions (rats, mice, cats).
- PO1NS-06208-09 0016 (NSPB) MANUELIDIS, L. Epilepsy research program-Localization of gangliosides and neurotoxin binding (mammals).
- PO1NS-06208-09 0017 (NSPB) MANUELIDIS, E. Epilepsy research program-Ultrastructural study of cerebral changes (cats, rats).
- PO1NS-06208-09 0018 (NSPB) SHAYWITZ, B A. Epilepsy research program-Brain amine and seizure activity (rats, mice).
- PO1NS-06208-09 0019 (NSPB) MATTSO, R H. Epilepsy research program-Precipitating and inhibiting factors in epilepsy (human).
- PO1NS-06208-09 0020 (NSPB) MATTSO, R H. Epilepsy research program-Clinical evaluation of dimethoxymethyl phenobarbital (human).
- PO1NS-06208-09 0021 (NSPB) MATTSO, R H. Epilepsy research program-Folinic acid therapy in epilepsy (human).
- PO1NS-06208-09 0022 (NSPB) WILLIAMSON, P D. Epilepsy research program-Cerebral sensory evoked potentials (human).
- PO1NS-06208-09 0023 (NSPB) ALLISON, J T. Epilepsy research program-Sensorimotor EEG rhythm (human).
- PO1NS-06208-09 0024 (NSPB) HUTTENLOCHER, PETER R. Epilepsy research program-Studies on anticonvulsant action of ketones (cats).
- PO1NS-06208-09 0025 (NSPB) SHAYWITZ, B A. Epilepsy research program-Brain monamine turnover (children).
- PO1NS-06209-09 (NSPA) GOODGLASS, HAROLD, 150 S HUNTINGTON AVE, BOSTON, MASSACHUSETTS. Boston University aphasia research center.
- PO1NS-06209-09 0001 (NSPA) GOODGLASS, HAROLD. Boston University aphasia research center-Psychological research (human, monkeys).
- PO1NS-06209-09 0002 (NSPA) HOWES, DAVIS. Boston University aphasia research center-Quantitative aspects of aphasic language.
- PO1NS-06209-09 0003 (NSPA) GESCHWIND, NORMAN. Boston University aphasia research center-Clinical case studies, neurology and anatomy (human, monkeys).
- PO1NS-06225-09 (NSPA) WOOLSEY, CLINTON N, LABORATORY OF NEUROPHYSIOLOGY, 283 MEDICAL SCIENCES BLDG, MADISON, WIS. Cerebral localization.
- PO1NS-06225-09 0001 (NSPA) WOOLSEY, CLINTON N. Cerebral localization-Patterns of localization in the CNS (cats, dogs, rabbits, primates).
- PO1NS-06225-09 0002 (NSPA) WELKER, WALLACE I. Cerebral localization-Comparative studies of brain specialization in mammals (raccoons, rats, cats).
- PO1NS-06225-09 0003 (NSPA) BLIEBER, R. Cerebral localization-Neuroanatomical studies (mammals).
- PO1NS-06225-09 0004 (NSPA) BENJAMIN, ROBERT M. Cerebral localization-Neural mechanisms of temperature and studies on the mediodorsal nucleus (animals).
- PO1NS-06225-09 0005 (NSPA) GIBSON, M. Cerebral localization-Single unit studies in the auditory system (cats, primates, birds).
- PO1NS-06225-09 0006 (NSPA) GEISLER, CHRIS D. Cerebral localization-Simulation of neurons and sensory and organs.
- PO1NS-06225-09 0007 (NSPA) BERMAN, A L. Cerebral localization-Neuroanatomical studies (cats).
- PO1NS-06229-09 (NSPA) LIENENFELD, ABRAHAM M, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Cerebrovascular diseases program.
- PO1NS-06229-09 0001 (NSPA) LIENENFELD, ABRAHAM M. Cerebrovascular diseases program-Clinical evaluation of population sample with symptoms suggestive of TIA.
- PO1NS-06229-09 0002 (NSPA) LIENENFELD, ABRAHAM M. Cerebrovascular diseases program-Nationwide cerebrovascular disease mortality and morbidity study (human).
- PO1NS-06229-09 0008 (NSPA) LIENENFELD, ABRAHAM M. Cerebrovascular diseases program-Mortality from cerebrovascular disease in veterans.
- PO1NS-06229-09 0010 (NSPA) LIENENFELD, ABRAHAM M. Cerebrovascular diseases program-Natural history of cerebrovascular ischemia (human).
- PO1NS-06229-09 0011 (NSPA) LIENENFELD, ABRAHAM M. Cerebrovascular diseases program-Extracranial and intracranial cerebrovascular disease (human).
- PO1NS-06229-09 0012 (NSPA) LIENENFELD, ABRAHAM M. Cerebrovascular diseases program-Epidemiologic study of presenile and senile dementia (human).
- RO1NS-06232-09 (NEUB) GRINNELL, ALAN D, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF BIOLOGY, LOS ANGELES, CALIF. Formation and function of synapses (animals).
- RO1NS-06229-09 (NEUB) FRIEDE, REINHARD L, CASE WESTERN RES UNIVERSITY, 2085 ADELBERT ROAD, CLEVELAND, OHIO. Chemical cytology and pathology of nervous tissue (fish, bullfrogs).
- RO1NS-06262-10 (IAB) PATERSON, PHILIP Y, NORTHWESTERN UNIV MED SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Immune basis of disease-Allergic encephalomyelitis (rats, rabbits, cats).
- RO1NS-06277-09 (NEUB) ENGEL, ANDREW G, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Electron microscopy of myopathies (human, rats).
- RO1NS-06282-08 (NEUB) METTLER, FRED A, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Experimental study of dyskinesia choreoathetosis (monkeys).
- RO1NS-06288-10 (PHRB) MAYNERT, EVERETT W, 901 SOUTH WOLCOTT AVENUE, P O BOX 6998, CHICAGO, ILL. Metabolic fate of neuropharmacological agents (dogs, rats).
- RO1NS-06294-07 (NEUB) SELLINGER, OTTO Z, UNIVERSITY OF MICHIGAN, MENT HLTH RESEARCH INST, ANN ARBOR, MICH. Cerebral enzymes in normal and convulsive states (rats, rabbits).
- RO1NS-06270-08 (PC) STOFFYN, PIERRE J, MC LEAN HOSPITAL, RESEARCH LABORATORY, BELMONT, MASS. Chemistry of glycolipids (frogs, human, rats).
- RO1NS-06271-08 (CMS) PUBOLS, LILLIAN M, PENNSYLVANIA STATE UNIVERSITY, MILTON S HERSHEY MED CTR, HERSHEY, PA. Neural correlates of somatic sensibility (monkeys, raccoons, opossum).
- RO1NS-06448-09 (NEUB) MIEBER, HANS, JACKSON LABORATORY, BAR HARBOR, MAINE. Pathogenesis of heredity neurological disorders (mice).
- RO1NS-06455-09 (PHRA) KARCZMAR, ALEXANDER G, LOYOLA UNIV MEDICAL CENTER, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL. Organophosphorus agents within various synapses (rabbits, mice, human).
- PO1NS-06459-09 (CDR) HOLLIER, HARRY, UNIVERSITY OF FLORIDA, COMMUNICATION SCIENCES LAB, GAINESVILLE, FLA. Communication sciences.
- PO1NS-06459-09 0082 (CDR) BROWN, W S, JR. Communication sciences-Speech articulation and laryngeal behavior (human).
- PO1NS-06459-09 0050 (CDR) MOORE, PAUL. Communication sciences-Effects of nodules on vocal fold vibration and voice (human).
- PO1NS-06459-09 0051 (CDR) HOLLIER, H. Communication sciences-Research on vocal registers (human).
- PO1NS-06459-09 0053 (CDR) BROWN, W S, JR. Communication sciences-Control of articulation and phonation during speech (human).
- PO1NS-06459-09 0056 (CDR) HOLLIER, H. Communication sciences-Research on speaker identification (human).
- PO1NS-06459-09 0057 (CDR) PAIGE, ARNOLD. Communication sciences-Research on automatic speech recognition (human).
- PO1NS-06459-09 0077 (CDR) HOLLIER, H. Communication sciences-Speaking fundamental frequency.
- PO1NS-06459-09 0078 (CDR) BROWN, W S, JR. Communication sciences-Intraoral air pressure recordings during speech activity.
- PO1NS-06459-09 0079 (CDR) MOORE, D C. Communication sciences-Laryngeal pathology-Perceived voice, acoustic correlates, vocal fold vibration.
- PO1NS-06459-09 0080 (CDR) TEAS, D C. Communication sciences-Intracellular studies at the posterior colliculus (chinchillas).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1NS-06459-09 0081 (CDR) TEAS, D C. Communication sciences—Acoustic analysis of components in temporal discharge patterns.
- PO1NS-06459-09 0082 (CDR) TEAS, D C. Communication sciences—Electrical stimulation of the cochlea.
- PO1NS-06459-09 0083 (CDR) YOST, W. Communication sciences—Special and temporal properties of the binaural system.
- RO1NS-06477-09 (NEUA) PRINCE, DAVID A, STANFORD UNIVERSITY MED CTR, DEPT OF NEUROLOGY, C338, STANFORD, CALIF. Cellular mechanisms in focal epileptogenesis (cats).
- RO1NS-06478-09 (PHY) CHAPMAN, KENT M, BROWN UNIVERSITY, DIV OF BIO & MED SCIS, BOX G, PROVIDENCE, R I. Transduction and encoding in mechanoreceptors (cockroach).
- RO1NS-06517-10 (NEUB) KALDOR, GEORGE J, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVE, PHILADELPHIA, PA. Biochemical studies in muscular dystrophy (chickens).
- RO1NS-06527-08 (CMS) DEBO, HERBERT H, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS STREETS, SAN FRANCISCO, CALIF. Studies on larynx and pharynx neurophysiology (human, dogs).
- RO1NS-06537-08 (NEUA) BROOKS, CHANDLER M, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N Y. Neurophysiological study of neuroendocrine activity (rats, frogs).
- RO1NS-06542-09 (NEUA) NAUTA, WALLIE J, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Forebrain organization and anatomical plasticity (cats, rats).
- RO1NS-06545-09 (PHY) CRAJN, STANLEY M, ROSE F KENNEDY CENTER, 1410 PELHAM PARKWAY SOUTH, BRONX, N Y. Biophysical cytology of cultured neural tissues (human, mice, chick embryo).
- RO1NS-06551-09 (NEUA) EBNER, FORD F, BROWN UNIVERSITY, BOX G, DIV OF BIO & MED SCI, PROVIDENCE, R I. Anatomical analyses of cortical systems (turtles, mammals).
- RO1NS-06563-08 (CMS) STROUD, MALCOLM H, WASHINGTON UNIV SCH OF MED, 517 SOUTH EUCLID, ST LOUIS, MO. Evaluation of some central and peripheral vestibular mechanisms (human, monkeys).
- RO1NS-06575-08 (CMS) THALMANN, RUEDIGER, 517 SOUTH EUCLID AVE, ST LOUIS, MO. Metabolic processes of the inner ear (chinchillas, guinea pigs).
- RO1NS-06594-08 (NEUB) MAXWELL, DAVID S, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Morphological aspects of neuronal injury (animals).
- RO1NS-06606-09 (CMS) GUSSEN, RUTH, 31-19 REHABILITATION CENTER, 32-34 REHABILITATION CENTER, LOS ANGELES, CALIF. Human temporal bone pathology.
- RO1NS-06610-08 (MAY) SHEIN, HARVEY M, MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. In vitro biology of brain cellular species (rats, mice).
- RO1NS-06622-09 (PHY) GALE, CHARLES C, UNIVERSITY OF WASHINGTON, REGIONAL PRIMATE RESEARCH CTR, SEATTLE, WASH. CNS-endocrine control of temperature and metabolism (baboons, cats).
- RO1NS-06624-09 (NEUB) ROTHBALLER, ALAN B, NEW YORK MEDICAL COLLEGE, 1249 FIFTH AVENUE, NEW YORK, N Y. CNS control of fluid and electrolyte metabolism (cats).
- PO1NS-06655-09 (NSPB) TOOLE, JAMES F, WAKE FOREST UNIV, 300 SOUTH HAWTHORNE ROAD, WINSTON-SALEM, N C. Cerebrovascular research unit for study of TIA.
- PO1NS-06655-09 0081 (NSPB) TOOLE, JAMES F. Cerebrovascular research unit for study of TIA—Prolonged cerebral blood pressure monitoring (human).
- PO1NS-06655-09 0002 (NSPB) POOLE, GORDON J. Cerebrovascular research unit for study of TIA—Cerebrovascular subtraction television (human).
- PO1NS-06655-09 0003 (NSPB) GHATAK, NITYA. Cerebrovascular research unit for study of TIA—Cerebrovascular neuropathology (human).
- PO1NS-06655-09 0004 (NSPB) MAYNARD, C DOUGLAS. Cerebrovascular research unit for study of TIA—Cerebrovascular radioisotope studies (human).
- PO1NS-06655-09 0003 (NSPB) MCKINNEY, WILLIAM. Cerebrovascular research unit for study of TIA—Cerebrovascular ultrasonics (human).
- RO1NS-06658-09 (CMS) MARKHAM, CHARLES H, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVE, LOS ANGELES, CALIF. Central vestibular mechanisms (cats).
- RO1NS-06662-08 (NEUB) GUILLERY, RAINER W, UNIVERSITY OF WISCONSIN, DEPARTMENT OF ANATOMY, MADISON, WIS. Architectonic and synaptic organization in the brain (animals).
- PO1NS-06663-08 (NSPA) MILLIKAN, CLARK H, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Cerebrovascular clinical research center.
- PO1NS-06663-08 0001 (NSPA) WHISNANT, JACK P. Cerebrovascular clinical research center—Natural history of stroke (human).
- PO1NS-06663-08 0003 (NSPA) DIDISHEIM, PAUL. Cerebrovascular clinical research center—Experimental platelet thrombi formation and prevention (rats, cats, monkeys).
- PO1NS-06663-08 0005 (NSPA) OPITZ, J L. Cerebrovascular clinical research center—Physical therapy, surgery, occupational therapy and hemiparesis in stroke (human).
- PO1NS-06663-08 0006 (NSPA) SANDOK, BURTON A. Cerebrovascular clinical research center—Use of ultrasound in diagnosis (human).
- PO1NS-06663-08 0010 (NSPA) MILLIKAN, CLARK H. Cerebrovascular clinical research center—Temporal profile of progressing stroke in carotid system (human).
- PO1NS-06663-08 0011 (NSPA) HEINZE, EVERETT. Cerebrovascular clinical research center—Cerebral infarction related to operative procedure (human).
- PO1NS-06663-03 0012 (NSPA) BURTON, ROBERT C. Cerebrovascular clinical research center—Pulsatile tinnitus (human).
- PO1NS-06663-08 0013 (NSPA) SHARBROUGH, FRANK W. Cerebrovascular clinical research center—EEG and blood flow monitoring during carotid endarterectomy (human).
- PO1NS-06663-08 0014 (NSPA) SUNDT, JR., THORALF M. Cerebrovascular clinical research center—Postoperative treatment of subarachnoid hemorrhage and cerebral vasospasm.
- PO1NS-06663-08 0015 (NSPA) SUNDT, JR., THORALF M. Cerebrovascular clinical research center—Determining regional cerebral blood flow (human).
- PO1NS-06663-08 0016 (NSPA) SUNDT, JR., THORALF M. Cerebrovascular clinical research center—Humoral responses of rabbit arterial smooth muscle.
- PO1NS-06663-08 0017 (NSPA) DONLEY, R F. Cerebrovascular clinical research center—Dexamethasone and cerebral infarction in monkeys.
- PO1NS-06663-08 0018 (NSPA) SUNDT, JR., THORALF M. Cerebrovascular clinical research center—Transient cerebral ischemia in squirrel monkey.
- PO1NS-06663-08 0019 (NSPA) SMIGHEL, M R. Cerebrovascular clinical research center—Drug effects on cerebral blood flow (cats).
- PO1NS-06663-08 0020 (NSPA) SUNDT, JR., THORALF M. Cerebrovascular clinical research center—Protection of cells in marginal zone of infarction by chemicals (mammals).
- PO1NS-06663-08 0021 (NSPA) LITTLE, JOHN. Cerebrovascular clinical research center—Tissue from focal areas of ischemia (mammals).
- PO1NS-06663-08 0022 (NSPA) YANAGIHARA, TAKEHIKO. Cerebrovascular clinical research center—Nerve chemical changes in cerebral ischemia (rabbits).
- PO1NS-06663-08 0023 (NSPA) EMMONS, PATRICIA. Cerebrovascular clinical research center—Mayo experience with anticoagulants and cerebrovascular disease (human).
- RO1NS-06672-09 (PHY) NISHI, SYOGORO, LOYOLA UNIVERSITY, 2160 S FIRST AVENUE, MAYWOOD, ILL. Studies on single neuron activity (dogs, amphibians, cats, rabbits).
- RO1NS-06673-09 (EXP) SCHMIDT, ROBERT S, STRITCH SCHOOL OF MEDICINE, 2160 SOUTH FIRST AVE, BLDG 150, MAYWOOD, ILL. Neuromechanics (frogs, toads).
- RO1NS-06701-03 (NEUB) FALCK, BENGT O, DEPARTMENT OF HISTOLOGY, BISKOPSGATAN 5 S-223 62, LUND, SWEDEN. New methods for the study of amine transmitters (rodents, chickens).
- RO1NS-06716-08 (NEUA) MORRISON, ADRIAN R, JR, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. Cortical-thalamic relationships (cats, rats).
- RO1NS-06728-06 (NEUB) BELL, CURTIS C, GOOD SAMARITAN HOSP & MED CTR, 1015 N W 22ND AVENUE, PORTLAND, OREG. Physiological relations between cerebellar elements (animals).
- RO1NS-06730-08 (CMS) DALLOS, PETER J, NORTHWESTERN UNIVERSITY, FRANCES SEARLE BUILDING, EVANSTON, ILL. Stimulus-related DC potentials of the cochlea (guinea pigs).
- RO1NS-06735-03 (NEUB) BORNSTEIN, MURRAY B, ALBERT EINSTEIN COL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Biology of myelinated CNS in tissue culture (rats, hamsters).
- RO1NS-06756-07 (NEUA) FLETCHER, THOMAS F, UNIVERSITY OF MINNESOTA, DEPT OF VETERINARY ANATOMY, ST PAUL, MINN. Developmental nervous disorders—Krabbe disease (dogs).
- PO1NS-06779-06 (NSPA) NELSON, ERLAND R, UNIVERSITY OF MARYLAND, REDWOOD & GREENE STREETS, BALTIMORE, MD. Cerebrovascular clinical research center.
- PO1NS-06779-06 0002 (NSPA) HECK, ALBERT F. Cerebrovascular clinical research center—Epidemiologic studies (human).
- PO1NS-06779-06 0003 (NSPA) HECK, ALBERT F. Cerebrovascular clinical research center—Screening techniques for extracranial vascular disease (human, animals).
- PO1NS-06779-06 0004 (NSPA) MAYER, RICHARD. Cerebrovascular clinical research center—Motor system in cerebrovascular disease.
- PO1NS-06779-06 0005 (NSPA) HECK, ALBERT F. Cerebrovascular clinical research center—Vasomotor mechanisms and neural control of CV function (cats, dogs, human).
- PO1NS-06779-06 0007 (NSPA) NELSON, ERLAND. Cerebrovascular clinical research center—Stroke clinic.
- PO1NS-06779-06 0011 (NSPA) NELSON, ERLAND. Cerebrovascular clinical research center—Ultrastructural studies on arteries (human, animals).
- PO1NS-06779-06 0013 (NSPA) HECK, ALBERT F. Cerebrovascular clinical research center—Monitoring and screening cardiorespiratory interaction (human).
- PO1NS-06779-06 0014 (NSPA) SCHOCKET, STANLEY. Cerebrovascular clinical research center—Retinal circulation (human).
- PO1NS-06779-06 0015 (NSPA) GARCIA, JULIO. Cerebrovascular clinical research center—Brain ultrastructure following ischemia and autolysis (human, monkeys).
- PO1NS-06779-06 0016 (NSPA) COOPER, MALCOLM. Cerebrovascular clinical research center—Cerebral blood flow and cellular structure following cerebral artery occlusion.
- PO1NS-06779-06 0017 (NSPA) BLAUMANIS, OTIS. Cerebrovascular clinical research center—Pharmacology and biophysics of cerebral blood vessels (cats).
- PO1NS-06779-06 0018 (NSPA) HEALD, FELIX. Cerebrovascular clinical research center—Puberty and atherosclerosis (swine).
- RO1NS-06782-07 (NEUB) LIPICKY, RAYMOND J, UNIVERSITY OF CINCINNATI, EDEN AND BETHESDA AVENUES, CINCINNATI, OHIO. Biophysical aspects of diseases of skeletal muscle (human, rats, mice, goats).
- RO1NS-06785-08 (CMS) MC CABE, BRIAN F, UNIVERSITY HOSPITALS, DEPT OF OTOLARYNGOLOGY, IOWA CITY, IOWA. Central mechanisms in the vestibular apparatus (cats).
- RO1NS-06801-08 (NEUB) GOLDSTEIN, MENEK, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Biogenic amines and extrapyramidal disorders (human, animals).
- RO1NS-06809-08 (CMS) HINOJOSA, RAUL, UNIVERSITY OF CHICAGO, 950 EAST 59TH ST, CHICAGO, ILL. Comparative studies of the vestibular system (animals).
- RO1NS-06820-07 (NEUA) SPEHLMANN, RAINER, VETERANS ADMIN RESEARCH HOSP, 333 E HURON STREET, CHICAGO, ILL. Pharmacology of synaptic transmission in brain (cats).
- PO1NS-06826-06 (NSPA) ROBERTSON, JAMES T, UNIVERSITY OF TENNESSEE, 858 MADISON AVENUE, RM 231, MEMPHIS, TENN. Univ Tennessee cerebrovascular research cr (human, dogs, cats, monkeys).
- PO1NS-06827-08 (NSPA) SNIDER, RAY S, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Integrated approaches to neurobiological problems.
- PO1NS-06827-08 0001 (NSPA) SNIDER, RAY S. Integrated approaches to neurobiological problems—Neurochemical studies (Salamander).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1NS-06827-08 0003 (NSPA) SNIDER, RAY S. Integrated approaches to neurobiological problems-Morphological studies with EM (axolotl).

PO1NS-06827-08 0005 (NSPA) SNIDER, RAY S. Integrated approaches to neurobiological problems-Studies of cerebellar folia (salamander).

PO1NS-06828-08 (NSPB) MOUNTCASTLE, VERNON B., JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. Neurophysiology-Sensory systems and cerebral cortex.

PO1NS-06828-08 0011 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Psychophysical studies of pain sensibility (monkeys, human).

PO1NS-06828-08 0020 (NSPB) TALBOT, W. H. Neurophysiology-Sensory systems and cerebral cortex-Laboratory computer system.

PO1NS-06828-08 0021 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Parietal areas 5 and 7 of cerebral cortex of the monkey.

PO1NS-06828-08 0022 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Visual neurons of area 7.

PO1NS-06828-08 0023 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Neurons of parietal area 5 in relation to movement.

PO1NS-06828-08 0024 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Sensory events in the limb movements, in the waking, behaving monkey.

PO1NS-06828-08 0025 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Intensity of mechanical stimuli delivered to the skin of the waking monkey's limb.

PO1NS-06828-08 0026 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Loss of function, remaining capacity of cortical area of parietal lobe (monkey).

PO1NS-06828-08 0027 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Psychophysical studies of warmth sensibility (human, monkeys).

PO1NS-06828-08 0028 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Afferent input evoked by a noxious stimulus (monkeys).

PO1NS-06828-08 0029 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Central nervous mechanism in pain (monkeys).

PO1NS-06828-08 0080 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Neuronal activity in patterns during fixation gaze (monkeys).

PO1NS-06828-08 0031 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Neuronal activity in controlled eye movements.

PO1NS-06828-08 0032 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Neuronal activity and pattern perception.

PO1NS-06828-08 0033 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Supraspinal control of autogenetic reflexes (cats).

PO1NS-06828-08 0084 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Regulatory properties of autogenetic reflex.

PO1NS-06828-08 0035 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Alpha-gamma coupling.

PO1NS-06828-03 0036 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Postural reactions of the intact animal.

PO1NS-06828-08 0037 (NSPB) MOUNTCASTLE, VERNON B. Neurophysiology-Sensory systems and cerebral cortex-Computer in neurophysiology.

PO1NS-06833-08 (NSPA) LANDAU, WILLIAM M., WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Interdisciplinary stroke program.

PO1NS-06833-08 0001 (NSPA) FLETCHER, ANTHONY. Interdisciplinary stroke program-Blood coagulation and plasma fibrinolytic enzyme system (human).

PO1NS-06833-08 0002 (NSPA) HOCHMUTH, ROBERT. Interdisciplinary stroke program-Red blood cell elasticity (human).

PO1NS-06833-08 0003 (NSPA) DEVIVO, DARRYL. Interdisciplinary stroke program-Cerebral vascular disorders of infancy and childhood.

PO1NS-06833-08 0005 (NSPA) TER-POGOSSIAN, MICHEL. Interdisciplinary stroke program-Cerebral circulation studies in nuclear medicine (human, monkeys).

PO1NS-06833-08 0007 (NSPA) LANDAU, WILLIAM M. Interdisciplinary stroke program-Stroke intensive care (human).

PO1NS-06833-08 0008 (NSPA) NELSON, JAMES S. Interdisciplinary stroke program-Neuropathologic studies of patients with sickle hemoglobin.

PO1NS-06833-08 0009 (NSPA) ZARKOWSKY, HAROLD. Interdisciplinary stroke program-Metabolism in sickle cell anemia (human).

PO1NS-06833-08 0010 (NSPA) DEVIVO, DARRYL. Interdisciplinary stroke program-Subdural hematomas and other fluid collections of infancy.

PO1NS-06833-08 0011 (NSPA) TORACK, RICHARD. Interdisciplinary stroke program-Morphological studies of microcirculation of the brain stem (human).

RO1NS-06855-08 (TOX) NARAHASHI, TOSHIO, DUKE UNIVERSITY MED CTR, DEPT OF PHYSIOLOGY & PHARM, DURHAM, N. C. Mode of action of insecticides-electrophysiological (crayfish, squid, frogs).

RO1NS-06856-08 (PTHA) GOLDFISCHER, SIDNEY L., ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Storage disease-intracellular transport and digestion (human, animals, plants).

PO1NS-06890-07 (NSPB) BITTERMAN, M. E., UNIVERSITY OF HAWAII, 1993 EAST-WEST ROAD, HONOLULU, HAWAII. Sensory processes.

PO1NS-06890-07 0008 (NSPB) BITTERMAN, M. E. Sensory processes-Discriminative training procedure (fish, birds).

PO1NS-06890-07 0009 (NSPB) BITTERMAN, M. E. Sensory processes-Perceptual organization in fishes and birds.

PO1NS-06890-07 0010 (NSPB) BITTERMAN, M. E. Sensory processes-Food references in fish.

PO1NS-06890-07 0011 (NSPB) WOODWARD, . Sensory processes-Fish forebrain in visual processing.

PO1NS-06890-07 0012 (NSPB) COLE, . Sensory processes-Visual processing with point source stimuli (fish).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1NS-06890-07 0013 (NSPB) COLE, . Sensory processes-Group differences in visual process (human).

PO1NS-06890-07 0014 (NSPB) FAY. Sensory processes-Electrophysiological studies of auditory system (fish).

PO1NS-06890-07 0015 (NSPB) POPPER, . Sensory processes-Fish swim bladders in hearing.

PO1NS-06890-07 0016 (NSPB) COOKE, . Sensory processes-Neurohormones release role of sensory input (crab).

PO1NS-06890-07 0017 (NSPB) COOKE, . Sensory processes-Crustacean heart as integrating system role of sensory feedback.

RO1NS-06911-07 (NEUA) REES, DONALD J., CORNELL UNIV, 1300 YORK AVENUE, NEW YORK, N. Y. Brain catecholamines in defense reaction (rats, cats).

RO1NS-06925-09 (NEUA) FOX, CLEMENT A., WAYNE STATE UNIVERSITY, 540 EAST CANFIELD AVENUE, DETROIT, MICH. The fine structure of the nervous system (monkeys).

RO1NS-06935-06 (SSS) MC LEAN, WILLIAM T., JR., BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF NEUROLOGY, WINSTON-SALEM, N. C. Cooperative stroke-hypertension study (human).

RO1NS-06938-09 (NEUB) ABENKES, JOHN M., UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PEDIATRICS, LOS ANGELES, CALIF. Metabolic diseases of the brain (human, rats).

RO1NS-06947-08 (NEUB) GOLDBRING, SIDNEY, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Bioelectric studies of cerebral cortex (human, racoons).

RO1NS-06948-09 (NEUB) SUTIN, JEROME, EMORY UNIVERSITY, DEPT OF ANATOMY, ATLANTA, GA. Pallidal inhibition of brainstem activity (cats).

RO1NS-06953-08 (NEUA) DE ROBERTIS, EDUARDO D., UNIVERSIDAD DE BUENOS AIRES, PARAGUAY, BUENOS AIRES, ARGENTINA. Ultrastructure and functional in the nervous tissue (electric fish, cattle).

RO1NS-06985-07 (IMB) SWANBORG, ROBERT H., WAYNE STATE UNIVERSITY, 540 EAST CANFIELD, DETROIT, MICH. Encephalitogenic nature of altered brain preparation (guinea pigs, rats).

RO1NS-06989-08 (VR) HARTER, DONALD M., COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Cellular effects of neurotropic viruses (sheep).

RO1NS-06990-08 (PHRA) MC ISAAC, ROBERT J., S U N Y - AT BUFFALO, 122 CAPEN HALL, BUFFALO, N. Y. Influence of preganglionic nerve on ganglion responses (frogs, rabbits).

RO1NS-07016-08 (NEUA) PETERS, ALAN, BOSTON UNIVERSITY, 80 EAST CONCORD STREET, BOSTON, MASS. Structure and organization of the cerebral cortex (cats).

RO1NS-07065-08 (NEUB) KARLIN, ARTHUR, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N. Y. Properties of isolated acetylcholine receptor (electric fish).

RO1NS-07071-08 (PHY) STRUMWASSER, FELIX, CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Mechanisms of innate and entrained patterns in neurons (Aplysia).

RO1NS-07072-08 (PHY) OAKLEY, BRUCE, UNIVERSITY OF MICHIGAN, ZOOLOGY DEPARTMENT, ANN ARBOR, MICH. Neural plasticity in taste and cutaneous senses (cats, fish, rats, gerbils).

RO1NS-07080-08 (NEUB) MC EWEN, BRUCE S., ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N. Y. Gene expression in nervous tissue (rats).

RO1NS-07136-08 (NEUB) LEEB, MARJORIE B., MC LEAN HOSPITAL, RESEARCH LABORATORY, BELMONT, MASS. Relationship between brain proteins and lipids (rats, cattle).

RO1NS-07145-07 (EXP) VERZEANO, MARCEL, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOBIOLOGY, IRVINE, CALIF. Activity in the neuronal networks of the brain (monkeys, cats).

RO1NS-07154-07 (PHY) DECIMA, EMILIO E., UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Calcium actions on central nervous system neurons (animals).

RO1NS-07156-09 (PC) WILSON, IRWIN B., UNIVERSITY OF COLORADO, DEPT OF CHEMISTRY, BOULDER, COLO. Enzyme theory and relationship to function (mice).

RO1NS-07180-12 (NTN) BIRD, JOHN W., RUTGERS UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, NEW BRUNSWICK, N. J. Functional relationships in vitamin E-deficiency (guinea pigs).

PO1NS-07226-06 (CDR) JOHNS, RICHARD J., 522 TRAYLOR BLDG, 720 RUTLAND AVE, BALTIMORE, MD. Neurosensory interdisciplinary research program.

PO1NS-07226-06 0007 (CDR) MOUNTCASTLE, V. B. Neurosensory interdisciplinary research program-Thermal stimulator for neurosensory research (monkeys).

PO1NS-07226-06 0006 (CDR) MOUNTCASTLE, V. B. Neurosensory interdisciplinary research program-Remote microelectrode positioning and telemetering system (monkeys).

PO1NS-07226-06 0010 (CDR) MCKHANN, GUY M. Neurosensory interdisciplinary research program-Brain cell separation.

PO1NS-07226-06 0011 (CDR) WALKER, A. EARL. Neurosensory interdisciplinary research program-Intracranial pressure monitor (monkey, cats).

PO1NS-07226-06 0017 (CDR) POGGIO, G. F. Neurosensory interdisciplinary research program-Evaluation of the clinical eye movement detector (primates).

RO1NS-07237-07 (CMS) IGARASHI, MAKOTO, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Partial ablation of vestibular system and equilibrium (monkeys).

PO1NS-07253-06 (NSPA) MC LAURIN, ROBERT L., CINCINNATI GENERAL HOSPITAL, 234 GOODMAN STREET, CINCINNATI, OHIO. Center for clinical studies of head injuries.

PO1NS-07253-06 0004 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-EKG changes after head injury (monkeys).

PO1NS-07253-06 0008 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Intracranial blood volume after head injury (cats).

PO1NS-07253-06 0009 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Respiratory function in intracranial pressure in head injuries (human, monkeys).

PO1NS-07253-06 0010 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Serum cortisol levels following head injury (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO1NS-07253-06 0011 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Glucose-insulin response to head injury (monkeys).
- PO1NS-07253-06 0012 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Glucose-insulin response to head injury (human).
- PO1NS-07253-06 0013 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Pulmonary function studies in head injury (human).
- PO1NS-07253-06 0014 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Relationship of intracranial pressure to cerebral blood flow (monkeys).
- PO1NS-07253-06 0015 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Divalent ion metabolism after head injury (human).
- PO1NS-07253-06 0016 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Renal compensation for acid-base abnormalities in head injury (human).
- PO1NS-07253-06 0017 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Diurnal variation in urinary electrolytes following head injury (human).
- PO1NS-07253-06 0018 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Effects of head injury on hypothalamic-hypophyseal function (human).
- PO1NS-07253-06 0019 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Head injury in cerebral blood flow and intracranial pressure (monkeys).
- PO1NS-07253-06 0020 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Respiratory physiology in the head injury patient.
- PO1NS-07253-06 0022 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Polymorphonuclear leucocyte function after head injury.
- PO1NS-07253-06 0023 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Calcium metabolism after head injury (human).
- PO1NS-07253-06 0024 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Traumatic cerebral edema and therapeutic agents (rats).
- PO1NS-07253-06 0025 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Intracranial pressure monitoring in humans after head injury.
- PO1NS-07253-06 0026 (NSPA) MCLAURIN, ROBERT L. Center for clinical studies of head injuries-Cerebral blood flow and carbon dioxide in head injury (monkeys).
- RO1NS-07261-08 (NEUB) VIERCK, CHARLES J, JR, UNIVERSITY OF FLORIDA, DEPT OF NEUROSCIENCE, GAINESVILLE, FLA. Spinal somesthetic pathways (monkeys).
- RO1NS-07270-06 (CMS) SCHARF, BERTRAM, NORTHEASTERN UNIVERSITY, 360 HUNTINGTON AVENUE, BOSTON, MASS. Loudness summation over space, time, and frequency (human).
- RO1NS-07275-07 (PHRA) SNYDER, SOLOMON H, JOHNS HOPKINS UNIV SCH OF MED, 725 NORTH WOLFE STREET, BALTIMORE, MD. Metabolism of biogenic amines (rats).
- RO1NS-07284-07 (BBCA) HOLZWARTH, GEORGE M, DEPARTMENT OF BIOPHYSICS, 5640 ELLIS AVENUE, CHICAGO, ILL. UV spectroscopic study of membrane proteins and DNA.
- RO1NS-07287-06 (CMS) TEAS, DONALD C, UNIVERSITY OF FLORIDA, COMMUNICATION SCIENCES LAB, GAINESVILLE, FLA. Space-time patterns evoked by acoustic complexes (chinchillas).
- RO1NS-07314-08 (PHY) WYMAN, ROBERT J, YALE UNIVERSITY, 640 KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Central nervous generation of motor output patterns (flies, crayfish).
- RO1NS-07336-07 (NEUA) FISHMAN, ROBERT A, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS, SAN FRANCISCO, CALIF. Experimental metabolic encephalopathies (rats, dogs).
- PO1NS-07366-07 (NSPA) RANSOHOFF, JOSEPH, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Head injury clinical center research program.
- PO1NS-07366-07 0007 (NSPA) HASS, WILLIAM K. Head injury clinical center research program-Regional cerebral blood flow in the rat.
- PO1NS-07366-07 0008 (NSPA) HASS, WILLIAM K. Head injury clinical center research program-Regional energy metabolism in rats.
- PO1NS-07366-07 0009 (NSPA) HOCHWALD, GERALD. Head injury clinical center research program-Local brain lesions-Regional cerebral blood flow and metabolism (rats).
- PO1NS-07366-07 0010 (NSPA) HOCHWALD, GERALD. Head injury clinical center research program-Effects of antioxidants and steroids on local brain lesions (rats).
- PO1NS-07366-07 0011 (NSPA) LEVIATES, BEVERLY. Head injury clinical center research program-Stable metabolic intermediates in traumatized cat brain (also human).
- PO1NS-07366-07 0012 (NSPA) MILVY, PAUL. Head injury clinical center research program-Free radical pathology in brain trauma (rats, cats).
- PO1NS-07366-07 0013 (NSPA) HASS, WILLIAM K. Head injury clinical center research program-Cerebral blood flow and metabolism in acute head injury (human).
- PO1NS-07366-07 0014 (NSPA) PROCELLI, ROBERT J. Head injury clinical center research program-Pathogenesis of respiratory failure after head trauma (human).
- PO1NS-07376-07 (NSPA) MULLAN, JOHN F, UNIVERSITY OF CHICAGO, 950 E 59TH STREET, CHICAGO, ILL. Univ Chicago head injury center.
- PO1NS-07376-07 0001 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Brain serotonin studies (rats).
- PO1NS-07376-07 0006 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Immunochemical studies on synaptic membranes (cats, rabbits).
- PO1NS-07376-07 0007 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Enzymatic studies in head injury (cats).
- PO1NS-07376-07 0008 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Tissue culture experiments.
- PO1NS-07376-07 0011 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Brain (ballon) compression dimethyl sulfoxide (monkeys).
- PO1NS-07376-07 0012 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Dimethyl sulfoxide spinal cord compression (dogs).
- PO1NS-07376-07 0013 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Mechanism of action of dimethyl sulfoxide.
- PO1NS-07376-07 0014 (NSPA) MULLAN JOHN F. Univ Chicago head injury center-Search for the known radiation and cold protectors for drugs.
- PO1NS-07376-07 0015 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Brain and spinal cord distribution of dimethyl sulfoxide.
- PO1NS-07376-07 0016 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Brain and spinal cord specimens.
- PO1NS-07376-07 0017 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Study of cerebral arterio shunts in injury (monkeys).
- PO1NS-07376-07 0018 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Cerebral damage in hypotension and in cardiac arrest.
- PO1NS-07376-07 0019 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Blood flow studies (monkey).
- PO1NS-07376-07 0020 (NSPA) MULLAN, JOHN F. Univ Chicago head injury center-Clinical evaluation of therapeutic methods (human).
- PO1NS-07377-05 (NSPA) GROSSMAN, ROBERT G, UNIVERSITY OF TEXAS, DIVISION OF NEUROSURGERY, GALVESTON, TEX. Clinical head injury research.
- PO1NS-07377-05 0001 (NSPA) TINDALL, GEORGE T. Clinical head injury research-Clinical evaluation of the patient.
- PO1NS-07377-05 0002 (NSPA) RUDENBERG, F HERMAN. Clinical head injury research-Vital sign data processing.
- PO1NS-07377-05 0003 (NSPA) TINDALL, GEORGE T. Clinical head injury research-Altering arterial carbon dioxide and oxygen (human).
- PO1NS-07377-05 0004 (NSPA) WELFORD, NORMAN. Clinical head injury research-Development of transducers and other instrumentation.
- PO1NS-07377-05 0005 (NSPA) TINDALL, GEORGE T. Clinical head injury research-Rotational versus translational acceleration (monkeys).
- PO1NS-07377-05 0006 (NSPA) RODENBERG, F HERMAN. Clinical head injury research-Physiology of concussion (rats).
- PO1NS-07377-05 0007 (NSPA) TINDALL, GEORGE T. Clinical head injury research-Neuropathology of human brains.
- RO1NS-07402-07 (AMBY) AIELLO, EDWARD L, FORDHAM UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, BRONX, N Y. Physiological regulation of cell metabolism (bivalves).
- RO1NS-07410-07 (NEUB) MARTIN, GEORGE F, DEPARTMENT OF ANATOMY, 1645 NEIL AVENUE, COLUMBUS, OHIO. A comparative study of the extrapyramidal system (opossum).
- RO1NS-07413-07 (NTN) WHANGER, PHILIP D, OREGON STATE UNIVERSITY, DEPT OF AGRICULTURAL CHEM, CORVALLIS, OREG. Metabolic relationships of selenium in myopathies (sheep).
- RO1NS-07436-07 (NEUB) GERSHON, MICHAEL D, CORNELL MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N Y. Neural control of gastrointestinal activity (bats, mice, rabbits).
- RO1NS-07441-03 (NEUB) BURT, ALVIN M, 3D, VANDERBILT UNIVERSITY SCH OF M, DEPARTMENT OF ANATOMY, NASHVILLE, TENN. Morphological and enzymatic studies of neurogenesis (chick embryo, rats).
- RO1NS-07442-08 (PHY) IKEDA, KAZUO, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Physiology of synapses in normal and mutants.
- RO1NS-07454-08 (COM) MANDLER, GEORGE, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Computer-implemented studies of sensory processing (human, cats).
- RO1NS-07457-08 (NEUB) WILSON, JOHN E, UNC SCHOOL OF MEDICINE, DEPT OF BIOCHEMISTRY, CHAPEL HILL, N C. Brain function and the metabolism of macromolecules (mice).
- PO1NS-07463-04 (NSPA) COHEN, MAYNARD M, PRESBY-ST LUKES HOSP, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. Cerebrovascular research center.
- PO1NS-07463-04 0001 (NSPA) COHEN, MAYNARD M. Cerebrovascular research center-Computerized monitoring in cerebrovascular disease (human).
- PO1NS-07463-04 0002 (NSPA) COHEN, MAYNARD M. Cerebrovascular research center-Biochemical and ultrastructural studies (guinea pigs, gerbils).
- PO1NS-07463-04 0003 (NSPA) COHEN, MAYNARD M. Cerebrovascular research center-Catecholamines in cerebrovascular disorders associated with hypertension.
- PO1NS-07464-07 (NSPA) DEL CASTILLO, JOSE, LABORATORY OF NEUROBIOLOGY, 201 BLVD DEL VALLE, SAN JUAN, P R. Laboratory of neurobiology.
- PO1NS-07464-07 0015 (NSPA) DELCASTILLO, JOSE. Laboratory of neurobiology-Miniature end-plate potentials mepps (frogs).
- PO1NS-07464-07 0016 (NSPA) DEL CASTILLO, JOSE. Laboratory of neurobiology-SH reagents and sensitivity of the cholinergic end-plate receptors.
- PO1NS-07464-07 0017 (NSPA) DEL CASTILLO, JOSE. Laboratory of neurobiology-Blocking action of Botulinum toxin on the neuromuscular function (frogs).
- PO1NS-07464-07 0018 (NSPA) DEL CASTILLO, JOSE. Laboratory of neurobiology-Electrophysiological studies in the optic lobe of octopus.
- PO1NS-07464-07 0019 (NSPA) DEL CASTILLO, JOSE. Laboratory of neurobiology-Chemical modification of glutamate receptors in crustacean muscle.
- PO1NS-07464-07 0020 (NSPA) DEL CASTILLO, JOSE. Laboratory of neurobiology-Oscillatory electrical activity induction by N-ethylmaleimide.
- PO1NS-07464-07 0021 (NSPA) DE MELLO, WALNOR. Laboratory of neurobiology-Membrane sealing in skeletal muscle fibers (frogs).
- PO1NS-07464-07 0022 (NSPA) DEL CASTILLO, JOSE. Laboratory of neurobiology-Myoepithelial cells of stylis proventriculus.
- PO1NS-07464-07 0023 (NSPA) LARA, LUIS. Laboratory of neurobiology-Excitation miniature end-plate potentials (crustaceans).
- PO1NS-07464-07 0024 (NSPA) EBBESSON, SVEN O. Laboratory of neurobiology-Central nervous system of the nurse shark.
- PO1NS-07464-07 0025 (NSPA) MCKENZIE, F. Laboratory of neurobiology-Marine environmental studies.
- PO1NS-07468-07 (NSPB) WILLIAMS, THEODORE P, FLORIDA STATE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCE, TALLAHASSEE, FLA. Sensory biology research center.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1NS-07472-05 (NEUB) MURRAY, RAYMOND G, INDIANA UNIVERSITY, DEPT OF ANATOMY AND PHYSIOLOGY, BLOOMINGTON, IND. Fine structure of taste buds and related receptors (rabbits, insects).
- RO1NS-07474-07 (PHY) CHANDLER, WILLIAM K, YALE UNIVERSITY, 333 CEDAR ST, NEW HAVEN, CONN. Electrical and contractile properties of muscle (squid).
- RO1NS-07484-07 (NEUB) KARNOVSKY, MANFRED L, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Humoral factors and brain metabolism in sleep (rats, goats).
- RO1NS-07495-07 (CBY) ROSENBLUTH, JACK, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N.Y. Comparative cytology of nerve and muscle tissues (animals).
- RO1NS-07498-07 (CMS) PFEIFFER, RUSSELL R, WASHINGTON UNIVERSITY, BOX 1127, ST LOUIS, MO. Peripheral auditory mechanisms (cats).
- RO1NS-07505-06 (NEUB) TAPPER, DANIEL N, NEW YORK STATE VETERINARY COLL, CORNELL UNIVERSITY, ITHACA, N.Y. Neural correlates of skin sensibility (cats).
- RO1NS-07507-07 (NEUB) MICHENFELDER, JOHN D, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN 55901. Cerebral metabolism and blood flow during anesthesia (dogs, primates).
- PO1NS-07512-06 (NSPA) PURPURA, DOMINICK P, ALBERT EINSTEIN COLL OF MED, 1410 PELHAM PARKWAY SOUTH, BRONX, N.Y. Neuronal development, interaction and organization.
- PO1NS-07512-06 0016 (NSPA) BENNETT, MICHAEL V. Neuronal development, interaction and organization—Neural control of synchronized effector systems (fish).
- PO1NS-07512-06 0017 (NSPA) BENNETT, MICHAEL V. Neuronal development, interaction and organization—Morphophysiology of electronic junctions (fish).
- PO1NS-07512-06 0018 (NSPA) AUERBACH, ALBERT A. Neuronal development, interaction and organization—Chemical transmission at a vertebrate central synapse (fish).
- PO1NS-07512-06 0022 (NSPA) PURPURA, DOMINICK P. Neuronal development, interaction and organization—Plasticity of synaptic reorganization in relation to central neurons (cats).
- PO1NS-07512-06 0023 (NSPA) PURPURA, DOMINICK P. Neuronal development, interaction and organization—Thalamo-cortical afferents and organization of primary projection cortex (cats).
- PO1NS-07512-06 0025 (NSPA) PURPURA, DOMINICK P. Neuronal development, interaction and organization—Development of raphe and ponto-mesencephalic reticular elements (cats).
- PO1NS-07512-06 0026 (NSPA) PAPPAS, GEORGE D. Neuronal development, interaction and organization—Synaptogenesis and differentiation in vitro (mice).
- PO1NS-07512-06 0027 (NSPA) PESETSKY, IRWIN. Neuronal development, interaction and organization—Influence of thyroid hormones on CNS development (frogs).
- PO1NS-07512-06 0028 (NSPA) SCHARRER, BERTA. Neuronal development, interaction and organization—Interactions between neural and endocrine integrative centers (insects).
- PO1NS-07512-06 0029 (NSPA) BENNETT, MICHAEL V. Neuronal development, interaction and organization—Transmission and trophic actions at receptor synapses of electroreceptors (fish).
- PO1NS-07512-06 0030 (NSPA) PURPURA, DOMINICK P. Neuronal development, interaction and organization—Inhibitory activities of thalamic neurons (cats).
- PO1NS-07512-06 0031 (NSPA) HAMBURGH, MAX. Neuronal development, interaction and organization—Developmental alterations in brains of cretinoid rats.
- PO1NS-07512-06 0032 (NSPA) MODEL, PAT. Neuronal development, interaction and organization—Development of melanoblasts and pigmented cells of brain and meninges (amphibian).
- RO1NS-07540-07 (NEUB) VOLLE, ROBERT L, UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Sympathetic ganglia following conditioning (frogs).
- RO1NS-07541-07 (NEUB) DYCK, PETER J, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Experimental hypertrophic neuropathy (rats, rabbits, cats).
- RO1NS-07555-07 (CMS) MOLL, KENNETH L, UNIVERSITY OF IOWA, DEPT OF SPEECH PATH & AUDIO, IOWA CITY, IOWA. Cinefluorographic studies of speech articulation (human).
- RO1NS-07587-07 (NEUA) PETER, JAMES B, UNIVERSITY OF CALIFORNIA, 1000 VETERAN AVENUE, LOS ANGELES, CALIF. Metabolism in myotonic dystrophy and other myopathies (human, rats, guinea pigs).
- RO1NS-07595-06 (PHY) GOLDMAN, DAVID E, MED COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Structure and function in peripheral nerve (lobsters, garfish).
- RO1NS-07606-06 (NEUA) VARON, SILVIO S, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Dissociated neural cell nerve growth factor (human, mice, chick embryo).
- RO1NS-07609-07 (PHY) SHEPHERD, GORDON M, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Integrative mechanisms of cortical neurons (rabbits, frogs).
- RO1NS-07615-14 (CMS) GOODGLASS, HAROLD, VETERANS ADMINISTRATION HOSP, 150 S HUNTINGTON AVENUE, BOSTON, MASS. New measures of aphasic symptom variables (human).
- RO1NS-07616-13 (EXP) NOVICK, ALVIN, YALE UNIVERSITY, DEPARTMENT OF BIOLOGY, NEW HAVEN, CONN. Acoustic perception and echo-orientation (bats).
- RO1NS-07623-07 (CMS) PAPAPELLA, MICHAEL M, UNIVERSITY OF MINNESOTA HOSPS, BOX 396, DEPT OF OTOL, MINNEAPOLIS, MINN. Experimentally induced serous otitis media (human, animals).
- RO1NS-07626-13 (PHY) SJODIN, RAYMOND A, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Tracer fluxes and net fluxes across cell membranes (squid).
- RO1NS-07642-08 (PHRA) WEINER, NORMAN, UNIVERSITY OF COLORADO, 4200 E 9TH AVE, DENVER, COLO. The storage and release of tissue catecholamines (cattle, dogs, guinea pigs).
- RO1NS-07657-07 (BO) O'LEARY, MARION H, UNIVERSITY OF WISCONSIN, 1101 UNIVERSITY AVENUE, MADISON, WIS. Coenzyme binding and nervous disorders.
- RO1NS-07662-08 (NEUB) HESS, ARTHUR, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N.J. Structure of nerve endings (rats, chickens).
- RO1NS-07664-07 (END) KASTIN, ABRA J, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Control of MSH release and role of MIF (frogs, rats).
- RO1NS-07666-07 (NEUB) JACORSON, STANLEY, TUFTS UNIV SCH MEDICINE, 136 HARRISON AVE, BOSTON, MASS. Sites of callosal thalamic and associational synapses (rats, monkeys).
- RO1NS-07680-07 (NEUB) CURTIS, ROBIN L, MEDICAL COLL OF WISCONSIN, 561 N FIFTEENTH STREET, MILWAUKEE, WIS. Transfer of neuromuscular mutants to standard strains (mice).
- RO1NS-07681-07 (NEUB) EDWARDS, CHARLES, STATE UNIVERSITY OF NEW YORK, 1400 WASHINGTON AVENUE, ALBANY, N.Y. Physiology of muscle function (frogs, amoeba).
- RO1NS-07685-06 (CMS) POMPEIANO, OTTAVIO, ISTITUTO DI FISIOLOGIA, VIA S ZENO, 31, PISA - ITALY. Vestibular control of sensory mechanisms (cats).
- RO1NS-07687-07 (EXP) NOVIN, DONALD, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Hunger, thirst and water metabolism (rabbits).
- RO1NS-07701-08 (NEUA) AUSTIN, JAMES H, UNIVERSITY OF COLORADO MED CTR, 4200 E NINTH AVENUE, DENVER, COLO. Genetically-determined neurological diseases (human, dogs, rabbits).
- RO1NS-07702-11 (PHY) AMES, ADELBERT, 3D, MASSACHUSETTS GENERAL HOSPITAL, 467 WARREN BUILDING, BOSTON, MASS. Chemistry and function in the central nervous system (rabbits).
- RO1NS-07710-06 (NEUB) WALL, PATRICK D, UNIVERSITY COLLEGE, DEPT OF ANATOMY, LONDON WC1E 6BT ENGLAND. Sensory and motor aspects of respiration (cats).
- RO1NS-07715-06 (CMS) COATS, ALFRED C, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Recorded body sway in evaluation of equilibrium (human).
- RO1NS-07720-07 (CMS) WARR, WILLIAM B, BOSTON UNIVERSITY SCH OF MED, 80 EAST CONCORD STREET, BOSTON, MASS. Structure and projections of the cochlear nuclei (cats).
- RO1NS-07726-08 (PHY) MASTERTON, R BRUCE, FLORIDA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, TALLAHASSEE, FLA. Sensory cortex (primates, opossum, hedgehog).
- RO1NS-07730-06 (NEUB) COLLINS, WILLIAM F, JR, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Physiology of CNS afferent pathways (cats).
- RO1NS-07734-06 (PHY) GOLDMAN, LAWRENCE, UNIVERSITY OF MARYLAND, SCHOOL OF MEDICINE, BALTIMORE, MD. Electrical excitation in giant axons (electric fish, squid).
- RO1NS-07740-07 (PHY) PARSONS, RODNEY L, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Receptor desensitization in muscle (mice, frogs).
- RO1NS-07747-05 (BBCA) LOW, BARBARA W, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N.Y. Structure of neurotoxins—Eraduotoxins and laticatoxin (sea snakes, scorpions).
- RO1NS-07749-07 (MBY) MARTONOSI, ANTHONY N, ST LOUIS UNIVERSITY, 1402 S GRAND BLVD, ST LOUIS, MO. Sarcoplasmic reticulum and myosin (mice, chicks).
- RO1NS-07755-06 (NEUB) FUHRER, MARCUS J, TEXAS INST FOR REHAB & RES, 1333 MOURSUND, HOUSTON, TEX. Plasticity of the transected human spinal cord.
- RO1NS-07758-06 (BBCB) SWIFT, TERENCE J, CASE WESTERN RESERVE UNIV, 10900 EUCLID AVENUE, CLEVELAND, OHIO. NMR studies of cell excitation (frogs, rats).
- RO1NS-07767-06 (PHY) TUTTLE, RICHARD S, MASONIC MEDICAL RESEARCH LAB, BLEECKER STREET, UTICA, N.Y. Pacinian receptors and vasomotor regulation (cats, dogs).
- RO1NS-07778-07 (NEUB) EDWARDS, JOHN S, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ZOOLOGY, SEATTLE, WASH. Neural development (crickets).
- RO1NS-07787-06 (EXP) HAFTER, ERVIN R, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOLOGY, BERKELEY, CALIF. Psychophysiological studies of binaural interaction (human, cats).
- P15NS-07790-07 (NSPB) BILGER, ROBERT C, EYE AND EAR HOSPITAL, 230 LOTHROP STREET, PITTSBURGH, PA. Auditory dysfunction of the cochlea (human).
- P15NS-07791-06 (NSPB) CARHART, RAYMOND T, NORTHWESTERN UNI MEDICAL SCH, 320 E SUPERIOR STREET, CHICAGO, ILL. Outpatient research center for sensorineural deafness.
- RO1NS-07825-07 (CBY) IFFT, JOHN D, BOSTON UNIV SCH OF MED, 80 E CONCORD STREET, BOSTON, MASS. Development of the hypothalamus (rats).
- RO1NS-07838-06 (NEUB) SIESJO, BO K, E-BLOCKET, UNIVERSITY HOSPITAL, RESEARCH DEPT 4, LUND, S-221 85 SWEDEN. Pathophysiology of cerebral hypoxia (human, animals).
- RO1NS-07848-07 (NEUA) KRAVITZ, EDWARD A, HARVARD MEDICAL SCHOOL, 25 SHUTTUCK STREET, BOSTON, MASS. Synaptic chemistry in the nervous system (lobsters).
- RO1NS-07860-07 (SSS) BAIRD, IRWIN L, PENNSYLVANIA STATE UNIV, 500 UNIVERSITY DRIVE, HERSHEY, PA. Anatomical studies of the internal ear (reptiles, bony fish, amphibians).
- RO1NS-07869-09 (NEUA) ROBERTS, SIDNEY, UNIVERSITY OF CALIFORNIA, DEPT OF BIOLOGICAL CHEMISTRY, LOS ANGELES, CALIF. Regulation of cerebral protein synthesis (rats).
- RO1NS-07870-07 (COM) COLEMAN, PAUL D, UNIVERSITY OF ROCHESTER MED CT, 260 CRITTENDEN BLVD, ROCHESTER, N.Y. Genetic and post-natal effects on brain development (rats, cats).
- RO1NS-07872-08 (NEUB) APPEL, STANLEY M, DUKE UNIVERSITY, BOX M-2900, DURHAM, N.C. Biochemical studies of synapse membrane (rats, chickens).
- RO1NS-07873-07 (EXP) MC BURNEY, DONALD H, UNIVERSITY OF PITTSBURGH, 462 LANGLEY HALL, PITTSBURGH, PA. A psychophysical study of gustatory adaptation.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1NS-07888-08 (NEUB) STUART, DOUGLAS G, UNIVERSITY OF ARIZONA, DEPARTMENT OF PHYSIOLOGY, TUCSON, ARIZ. Neural aspects of posture and locomotion (cats).
- RO1NS-07907-07 (NEUB) HUNT, CARLTON C, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Vertebrate muscle receptors (mammals, reptiles).
- RO1NS-07918-06 (MET) BACHELARD, HERMAN S, INSTITUTE OF PSYCHIATRY, DE CRESPIGNY PARK, LONDON, S E 5, ENGLAND. Cations and brain glycolytic enzymes (human).
- RO1NS-07923-07 (NEUB) DE GROAT, WILLIAM C, UNIVERSITY OF PITTSBURGH, 1289 SCAIFE HALL, PITTSBURGH, PA. Nervous control of urinary bladder and large bowel (cats).
- RO1NS-07925-03 (NEUB) MOUSHEGIAN, GEORGE, CALLIER HEARING & SPEECH CTR, 1966 INWOOD ROAD, DALLAS, TEX. Binaural neurophysiology (kangaroo rats).
- RO1NS-07927-07 (PHRA) WEINER, NORMAN, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Regulation of norepinephrine synthesis (guinea pigs, cattle, rats, mice).
- RO1NS-07930-06 (NEUB) WALKER, SHEPPARD M, MEDICAL-DENTAL RES BUILDING, 511 SOUTH FLOYD STREET, LOUISVILLE, KY. Fine structure and function of skeletal muscle (human, animals).
- PO1NS-07938-06 (NSPB) EYZAGUIRRE, CARLOS E, UNIVERSITY MEDICAL CENTER, 4C202, SALT LAKE CITY, UTAH. Peripheral and central nervous system.
- PO1NS-07938-06 0001 (NSPB) EYZAGUIRRE, CARLOS E. Peripheral and central nervous system-Chemosensory receptors (cats, frogs).
- PO1NS-07938-06 0002 (NSPB) PERL, EDWARD R. Peripheral and central nervous system-Spinal reflex mechanisms (cats, monkeys).
- PO1NS-07938-06 0003 (NSPB) KUNO, MOTOY. Peripheral and central nervous system-Quantum hypothesis and spinal motoneurons.
- PO1NS-07938-06 0004 (NSPB) BROWN, A M. Peripheral and central nervous system-Movement of ions and molecules through membranes (Aplysia).
- PO1NS-07938-06 0005 (NSPB) PILAR, GUILLERMO R.J. Peripheral and central nervous system-Synaptic transmission in ganglia and neuromuscular junctions (pigeons).
- PO1NS-07938-06 0006 (NSPB) BROWN, H MACK. Peripheral and central nervous system-Membrane mechanism of electrical phenomena (barnacles, Aplysia).
- PO1NS-07938-06 0007 (NSPB) BURGESS, P R. Peripheral and central nervous system-Somatic sensory pathway (mammals).
- PO1NS-07938-06 0008 (NSPB) STENSAAS, L J. Peripheral and central nervous system-Development and lesions of nervous system (amphibians, rabbits, cats).
- PO1NS-07938-06 0009 (NSPB) WALKER, J L. Peripheral and central nervous system-Intracellular activities of ions (barnacles, frogs, aplysia and mammals).
- PO1NS-07938-06 0010 (NSPB) BROWN, H MACK. Peripheral and central nervous system-Transduction mechanism in photoreceptors (barnacles).
- PO1NS-07938-06 0011 (NSPB) WALKER, J L. Peripheral and central nervous system-Development of ion microelectrodes.
- PO1NS-07938-06 0012 (NSPB) STENSAAS, L J. Peripheral and central nervous system-Ultrastructure (gastropods, anurans, lagomorphs, decapodes, cats).
- PO1NS-07938-06 0013 (NSPB) EYZAGUIRRE, C E. Peripheral and central nervous system-Impulse initiation in carotid body chemoreceptors (cats).
- RO1NS-07941-05 (NEUA) SIEGEL, ALLAN, COLL OF MED & DENTISTRY OF N J, 100 BERGEN STREET, NEWARK, N J. Limbic system in hypothalamic aggression (cats).
- RO1NS-07945-04 (BIO) VON KORFF, RICHARD W, MARYLAND PSYCHIATRIC RESEARCH, P O BOX 3235, BALTIMORE, MD. Aerobic mitochondrial regulatory processes (rabbits, rats).
- RO1NS-07998-06 (CBY) BLACKSTAD, THEODOR W, AARHUS UNIVERSITET, ANATOMISK INSTITUT, AARHUS, DENMARK. Ultrastructural analysis of central nervous systems (guinea pigs).
- RO1NS-00000-07 (CMS) MATSCHINSKY, FRANZ M, 660 SOUTH EUCLID, ST LOUIS, MO. Biochemistry of prominent structures of the cochlea (rats, cats).
- RO1NS-00014-07 (GEN) KAPLAN, WILLIAM D, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Genetics and behavior of neurological mutants (Drosophila).
- RO1NS-08040-05 (VIS) BROOKS, DANA C, CORNELL UNIV MEDICAL COLL, 1300 YORK AVENUE, NEW YORK, N Y. Neurophysiology of oculomotor-visual integration (cats).
- RO1NS-00041-06 (CMS) HEINZ, JOHN M, JOHNS HOPKINS HOSPITAL, 720 RUTLAND AVENUE, BALTIMORE, MD. Mechanisms of speech production (human).
- RO1NS-00045-04 (PHTA) SCHOTLAND, DONALD L, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Cytochemical studies of skeletal muscle mitochondria (human, rodents).
- RO1NS-00048-04 (SRC) WEISS, BERNARD, UNIVERSITY OF ROCHESTER, DEPT OF RAD BIOLOGY & BIO, ROCHESTER, N Y. Comparative studies on mammalian nervous system (monkeys).
- RO1NS-00057-06 (VIS) GRANDA, ALLEN M, UNIVERSITY OF DELAWARE, DEPT OF PSYCHOLOGY, NEWARK, DEL. Processing of visual information (turtles, pigeons).
- RO1NS-00059-07 (BIO) CHEUNG, WAI Y, ST JUDE CHILDREN'S RES HOSP, 332 N LAUDERDALE, P O BX 318, MEMPHIS, TENN. Cyclic phosphodiesterase of central nervous system (human, ferret).
- RO1NS-08106-06 (END) SMITH, LELAND L, UNIVERSITY OF TEXAS MED BR, GALVESTON, TEX. Human brain steroids in aging and disease (and rats).
- RO1NS-08108-07 (EXP) KRASNE, FRANKLIN B, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Escape reflex-Physiology of habituation (crayfish).
- RO1NS-08116-07 (BBCA) KOPELMAN, RAOUL, UNIVERSITY OF MICHIGAN, DEPT OF CHEMISTRY, ANN ARBOR, MICH. Excitations in condensed molecular aggregates.
- RO1NS-08137-06 (BBC8) OPFNER, FRANKLIN F, TECHNOLOGICAL INSTITUTE, 2145 SHERIDAN ROAD, EVANSTON, ILL. Membrane activity theory.
- RO1NS-08153-04 (NEUA) MOLLIVER, MARK E, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE STREET, BALTIMORE, MD. Parameters of ontogenesis of cortical neurons (dogs, ferret).
- RO1NS-08157-06 (NEUB) KAUFFMAN, FREDERICK C, STATE UNIV OF NEW YORK, 122 CAPEN HALL, BUFFALO, N Y. Pentose phosphate pathway in neural tissue (rabbits, mice).
- RO1NS-08171-06 (NEUB) SCOTT, DAVID E, UNIV OF ROCHESTER, SCH OF MED, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Fine structure correlates of neuroendocrine mechanisms (human, mammals).
- RO1NS-08174-06 (PHY) HILLE, BERTIL, UNIVERSITY OF WASHINGTON, G412, HEALTH SCIENCES BUILDING, SEATTLE, WASH. Molecular properties of ionic permeability in nerve (frogs).
- RO1NS-08180-06 (PHTA) WISNIEWSKI, HENRYK M, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N Y. Molecular pathology of neurofilaments and neurotubules (human, rabbits).
- RO1NS-08181-05 (CMS) MILLER, JOSEF M, UNIVERSITY OF WASHINGTON, DEPT OF OTOLARYNGOLOGY, SEATTLE, WASH. Auditory thalamo-cortical projections (monkeys).
- RO1NS-08185-06 (NEUB) CANCELILA, PASQUALE A, UCLA CTR FOR THE MLTH SCIS, DEPT OF PATHOLOGY, LOS ANGELES, CALIF. Cerebral edema with protein markers (mice).
- RO1NS-08193-06 (CMS) HONRUBIA, VICENTE, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. Experimental studies on cochlear mechanisms (guinea pigs, frogs).
- RO1NS-08208-09 (EXP) SATZ, PAUL, UNIVERSITY OF FLORIDA, DEPT OF CLINICAL PSYCHOLOGY, GAINESVILLE, FLA. Laterality of sensory and motor functions (children and adults).
- RO1NS-08221-06 (PHY) ECCLES, JOHN C, STATE UNIV OF NEW YORK, 3435 MAIN STREET, BUFFALO, N Y. Role of cerebellum in control of movement (cats, monkeys).
- RO1NS-08233-06 (NEUB) ALBUQUERQUE, EDSON X, S U N Y-AT BUFFALO, 122 CAPEN HALL, BUFFALO, N Y. Regenerating mammalian neuromuscular junctions (rats, chickens).
- RO1NS-08236-05 (CVA) TREZEK, GEORGE J, UNIVERSITY OF CALIFORNIA, DEPT OF MECHANICAL ENGR, BERKELEY, CALIF. Bio-heat transfer studies (human, cats).
- RO1NS-08245-06 (MCHB) EVANS, DAVID A, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. General methods of alkaloid synthesis.
- RO1NS-08246-06 (MET) STEINBERG, DANIEL, UNIV OF CALIFORNIA, SAN DIEGO, BASIC SCIENCE BLDG, RM 4028, LA JOLLA, CALIF. Metabolic error in Refsum's syndrome (human, rats).
- RO1NS-08258-06 (PC) ROSENBERG, ABRAHAM G, M S HERSHEY MEDICAL CENTER, DEPT OF BIOLOGICAL CHEMISTRY, HERSHEY, PA. Complex glycolipids of brain and related systems (human, rodents, cattle, plants).
- RO1NS-08278-06 (NEUA) SHAPIRA, RAYMOND, EMORY UNIVERSITY, DEPT OF BIOCHEMISTRY, ATLANTA, GA. Structure, metabolism and function of myelin proteins (animals).
- RO1NS-08281-04 (PHY) HOYLE, GRAHAM, UNIVERSITY OF OREGON, BIOLOGY DEPARTMENT, EUGENE, ORE. Correlation of structure and function in muscle (squid, shrimp).
- RO1NS-08287-05 (MET) LENNEY, JAMES F, UNIVERSITY OF HAWAII, 3675 KILAUEA AVE, HONOLULU, HAW. Metabolism of carnosine and other histidyl compounds (tuna, fish, mice, human).
- RO1NS-08291-04 (NEUB) HORROCKS, LLOYD A, OHIO STATE UNIVERSITY, 1645 NEIL AVENUE, COLUMBUS, OHIO. Myelin biosynthesis and turnover (human, mice).
- RO1NS-08380-06 (PHRA) FLEMING, WILLIAM W, WEST VIRGINIA UNIVERSITY, DEPT OF PHARMACOLOGY, MORGANTOWN, W VA. Mechanisms of supersensitivity to drugs (mammals).
- RO1NS-08304-07 (PHY) RITCHIE, J MURDOCH, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Mammalian C fibers (crabs, rabbits, fish, squid).
- RO1NS-08328-06 (NSS) BAKER, ABE B, UNIVERSITY OF MINNESOTA HOSP, DEPT OF NEUROLOGY, MINNEAPOLIS, MINN. Cerebrovascular workshop.
- RO1NS-08335-07 (CMS) WARD, PAUL M, UNIVERSITY OF CALIFORNIA, DEPT OF SURGERY/DIV OF HEAD, LOS ANGELES, CALIF. Experimental studies on vestibular mechanism (cats, rabbits).
- RO1NS-08336-14 (NEUB) BRINLEY, FLOYD J, JR, JOHNS HOPKINS UNIV, 725 NORTH WOLFE STREET, BALTIMORE, MD. Ion fluxes in nerve and muscle (squid, barnacles).
- RO1NS-08346-07 (PHY) ORKAND, RICHARD K, DEPT OF BIOLOGY, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Long-term interactions of neurons and glia (necturus, crustaceans).
- RO1NS-08365-07 (CMS) RUBEN, ROBERT J, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Embryology of the inner ear (mice).
- RO1NS-08384-06 (PHY) GORDON, ALBERT M, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Excitation-contraction coupling in striated muscle (frogs, barnacles).
- RO1NS-08391-06 (CBY) STEWART, JAMES A, UNIVERSITY OF NEW HAMPSHIRE, BIOCHEMISTRY DEPT, DURHAM, N H. Regulation of protein synthesis in neural development (mice).
- RO1NS-08409-06 (NEUB) MOORE, LEE E, CASE WESTERN RESERVE UNIV, SCHOOL OF MEDICINE, CLEVELAND, OHIO. Ionic conductance in nerve at low temperatures (squid).
- RO1NS-08411-06 (NEUB) MENDELL, LORNE M, DUKE UNIV MEDICAL CENTER, DEPT OF PHYSIOLOGY & PHARMACOL, DURHAM, N C. Mechanisms of plasticity in neuronal connections (cats, frogs).
- RO1NS-08427-06 (MCHA) SOINE, TAJTO O, UNIVERSITY OF MINNESOTA, COLLEGE OF PHARMACY, MINNEAPOLIS, MINN. Stereochemical requirements for NMJ blockade (cats).
- RO1NS-08436-04 (NEUB) BROWNING, EDWARD T, COLL OF MED & DENT-NEW JERSEY, POST OFFICE BOX 101, PISCATAWAY, N J. Metabolic regulation in glioma cells (rats).
- RO1NS-08437-06 (NEUB) COHEN, LAWRENCE B, DEPARTMENT OF PHYSIOLOGY, 333 CEDAR STREET, NEW HAVEN, CONN. Optical studies of neuron activity and organization (leech).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
ROINS-03440-06 (PHRA) GREENGARD, PAUL, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Metabolic basis of neural function (animals).	POINS-08711-04 0001 (NSPA) ROSE, AUGUSTUS S. Fundamental studies relating to multiple sclerosis—Clinical studies (and rats).
ROINS-08442-06 (PHY) BLAUSTEIN, MORDECAI P, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Calcium transport and function in nerve and muscle (barnacles, rats).	POINS-08711-04 0002 (NSPA) WOLFGANG, FREDERICK J. Fundamental studies relating to multiple sclerosis—Tissue culture studies of amyotrophic lateral and multiple sclerosis (human).
ROINS-08443-06 (PHY) JACKLET, JON W, STATE UNIV OF N Y AT ALBANY, 1400 WASHINGTON AVENUE, ALBANY, N Y. Peripheral and central modulation of specific neurons (Aplysia).	POINS-08711-04 0003 (NSPA) FEWSTER, MONA E. Fundamental studies relating to multiple sclerosis—Myelin and white matter glial cells (human, cattle).
ROINS-08444-06 (PHY) SCHWARTZ, THOMAS L, UNIVERSITY OF CONNECTICUT, BIOLOGICAL SCIENCES GROUP, STORRS, CONN. Post-synaptic electroplaque membrane (eal).	POINS-08711-04 0004 (NSPA) HIRSCH, MILDE H. Fundamental studies relating to multiple sclerosis—Histochemical studies of EAE (human, animals).
ROINS-08451-06 (CMS) GACEK, RICHARD R, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. Efferent projections of the vestibular nuclei (cats).	POINS-08711-04 0005 (NSPA) RUBINSTEIN, MORTON K. Fundamental studies relating to multiple sclerosis—GABA transaminase (mice, rats).
ROINS-00453-06 (NEUA) WHITLOCK, DAVID G, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Pathways subserving proprioception (rats, amphibians).	POINS-08711-04 0006 (NSPA) ANDREWS, JOHN M. Fundamental studies relating to multiple sclerosis—In vitro cell-mediated cytotoxicity (human, mice).
ROINS-08470-06 (NEUB) WILLIAMS, WILLIAM J, UNIVERSITY OF MICHIGAN, 2268 G G BROWN LAB, ANN ARBOR, MICH. Dynamic modelling of knee joint receptor activity (human).	POINS-08711-04 0007 (NSPA) BRANDKAMP, WARREN W. Fundamental studies relating to multiple sclerosis—Tissue culture of EAE and MS (human, rats).
ROINS-08527-05 (BIO) HESS, GEORGE P, CORNELL UNIVERSITY, 210 SAVAGE HALL, ITHACA, N Y. Chemical reactions in transmission of nerve impulses.	POINS-08711-04 0008 (NSPA) OLDENDORF, WILLIAM H. Fundamental studies relating to multiple sclerosis—Blood-brain barrier abnormalities (human, rabbits).
ROINS-08528-06 (PC) BESSMAN, SAMUEL P, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. Brain metabolism and systemic disease (rats, mice).	POINS-08711-04 0009 (NSPA) BRADBURY, MICHAEL. Fundamental studies relating to multiple sclerosis—Breakdown of blood-brain barrier (rabbits).
ROINS-00533-06 (PTHA) FAHMI, HOSSEIN D, BOSTON CITY HOSPITAL, 784 MASSACHUSETTS AVENUE, BOSTON, MASS. Muscle—Fine structural basis of abnormal permeability (rats, mice).	POINS-08711-04 0010 (NSPA) WALTER, RICHARD D. Fundamental studies relating to multiple sclerosis—Clinical neurophysiology.
ROINS-00550-11 (PHY) SCHOTTELJUS, BYRON A, UNIVERSITY OF IOWA, DEPT OF PHYSIO & BIOPHYSICS, IOWA CITY, IOWA. Denervated skeletal muscle—Biophysics (rats, chickens).	POINS-08711-04 0011 (NSPA) NAMEROW, NORMAN S. Fundamental studies relating to multiple sclerosis—Electrophysiology (human).
ROINS-00554-06 (END) RALPH, CHARLES L, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF BIOLOGY, PITTSBURGH, PA. Functions of the pineal complex (chickens, lizards).	POINS-08711-04 0012 (NSPA) STEVENS, JACK G. Fundamental studies relating to multiple sclerosis—Pathogenesis of herpetic disease in the nervous system of mice.
ROINS-00569-06 (CMS) ORR, MARY F, NORTHWESTERN UNIV MED SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Development and cytodifferentiation of inner ear (chick embryo).	ROINS-08719-06 (PC) MC KHANN, GUY M, JOHNS HOPKINS HOSPITAL, DEPARTMENT OF NEUROLOGY, BALTIMORE, MD. Biochemical studies of myelinization (human, cats, rats).
ROINS-08584-05 (CMS) BAILEY, BYRON J, UNIVERSITY OF TEXAS MED BRANCH, DEPT OF OTOLARYNGOLOGY, GALVESTON, TEX. Laryngo-tracheal replacement.	ROINS-08728-05 (CMS) HAST, MALCOLM H, NORTHWESTERN UNIV MEDICAL SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Neuromuscular mechanisms of larynx (monkeys).
ROINS-00596-06 (NEUB) LUSCHEI, ERICH S, UNIVERSITY OF WASHINGTON SCH M, DEPARTMENT OF PSYCHOLOGY & BIO, SEATTLE, WASH. Neural processes in somatic movement (monkeys).	ROINS-08732-04 (CMS) STOUT, JOHN F, ANDREWS UNIVERSITY, BIOLOGY DEPARTMENT, BERRIEN SPRINGS, MICH. Communication during behavior (crickets, gulls).
ROINS-00597-06 (NEUB) COTMAN, CARL W, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOBIOLOGY, IRVINE, CALIF. Synaptic membrane structure and function (rats).	ROINS-08735-06 (NEUB) BARRON, KEVIN D, UNION UNIV ALBANY MED COLL, NEW SCOTLAND AVENUE, ALBANY, N Y. Enzyme histochemistry of axon injury (cats).
ROINS-08601-05 (PHY) NAKAJIMA, SHIGEHIRO, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Cellular biophysics of neuromuscular function (crabs, mammals, frogs).	ROINS-00738-05 (MCHA) PORTOGHESE, PHILIP S, UNIVERSITY OF MINNESOTA, COLLEGE OF PHARMACY, MINNEAPOLIS, MINN. Site-directed alkylating agents for narcotic receptors.
ROINS-08603-05 (NEUB) GLOBUS, ALBERT, UNIVERSITY OF CALIFORNIA, CALIF COLLEGE OF MEDICINE, IRVINE, CALIF. Autoradiography of intracellularly applied chemicals (cats).	ROINS-08740-08 (MCHB) ADAMS, RALPH N, UNIVERSITY OF KANSAS, DEPARTMENT OF CHEMISTRY, LAWRENCE, KANS. Electrochemistry—EPR of biological electron transfer.
ROINS-08604-06 (NEUA) GOLDBERG, LOUIS J, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF. Oral pharyngeal reflexes (cats, human).	ROINS-08741-04 (NEUB) BRODY, IRWIN A, DUKE UNIVERSITY, DURHAM, N C. Subcellular biochemistry of neuromuscular disorders (human, rabbits, goats).
ROINS-08608-05 (NEUB) PARTRIDGE, LLOYD D, UNIVERSITY OF TENNESSEE, 800 MADISON AVENUE, MEMPHIS, TENN. Examination of dynamic aspects of motor control (cats, frogs).	ROINS-08754-05 (CMS) MC FADDEN, DENNIS, UNIVERSITY OF TEXAS, AUSTIN, TEX. Psychophysics of binaural hearing (human).
ROINS-08610-04 (PHY) GWILLIAM, GILBERT F, REED COLLEGE, 3202 S E WOODSTOCK BLVD, PORTLAND, OREG. Neural activity and behavior (barnacles).	ROINS-08769-06 (NEUB) BURGESS, PAUL R, UNIVERSITY OF UTAH, 40202 MEDICAL CENTER, SALT LAKE CITY, UTAH. Receptors and somatic sensory pathways (cats).
ROINS-08612-03 (CMS) GERKEN, GEORGE M, CALLIER HEARING & SPEECH CTR, 1966 INWOOD ROAD, DALLAS, TEX. Effects of deafness on central auditory function (cats).	ROINS-08770-04 (NEUB) PETERSON, EDITH R, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Neuromuscular relations in organotypic cultures (mice, rats).
ROINS-08618-04 (PHRA) CLARK, WESLEY G, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Drugs and thermoregulatory mechanisms (cats, squirrel monkeys).	ROINS-08773-04 (PHY) LIEBERMAN, EDWARD M, BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF PHYSIOLOGY, WINSTON-SALEM, N C. Transmembrane metabolic control of water and ion flow in axons (crayfish).
ROINS-08620-04 (PTHA) SCHLAEPFER, WILLIAM W, WASHINGTON UNIV SCH OF MED, 4550 SCOTT AVENUE, ST LOUIS, MO. Mechanisms of peripheral nerve dysfunction (human, rats).	ROINS-08775-05 (CMS) CAGAN, ROBERT H, MONELL CHEMICAL SENSES CENTER, 3500 MARKET STREET, PHILADELPHIA, PA. Mechanisms of taste function (fish).
ROINS-00626-06 (NEUB) SOBKOWICZ, HANNA M, UNIVERSITY HOSPITALS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Development of central nervous tissue in culture (mice).	ROINS-08785-03 (NEUA) AMES, ADELBERT, 3D, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Improvement of cerebral blood flow following ischemia (rabbits).
ROINS-08635-05 (CMS) DALLOS, PETER J, NORTHWESTERN UNIVERSITY, AUDITORY RESEARCH LAB, EVANSTON, ILL. Cochlear distortion and the role of CM in hearing (guinea pigs).	ROINS-08787-05 (CMS) KARE, MORLEY R, UNIVERSITY OF PENNSYLVANIA, 3500 MARKET STREET, PHILADELPHIA, PA. A comparative study of the sense of taste (catfish, gastropods, human).
ROINS-08669-05 (VIS) TRUJILLO-CENOZ, OMAR, AVDA ITALIA 3318, MONTEVIDEO-URUGUAY. Ontogenesis of visual synaptic neuropiles (flies).	ROINS-08796-06 (NEUB) RIKER, WILLIAM K, UNIV OF OREGON MEDICAL SCHOOL, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Pharmacologic analysis of transmission in ganglia (frogs).
ROINS-03674-05 (NEUB) DIAMOND, IVAN F, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Choline and acetylcholine transport and metabolism (mice).	ROINS-08798-04 (NEUB) KING, JAMES S, OHIO STATE UNIVERSITY, 1645 NEIL AVENUE, COLUMBUS, OHIO. Role of the rod nucleus in motor function (opossum).
ROINS-08677-06 (END) FISKE, VIRGINIA M, WELLESLEY COLLEGE, DEPT OF BIOLOGICAL SCIENCES, WELLESLEY, MASS. Light—Neural control endocrine function (rats, monkeys).	POINS-08802-05 (NSPA) HALSEY, JAMES H, JR, UNIVERSITY OF ALABAMA, 1919 7TH AVENUE SOUTH, BIRMINGHAM, ALA. Cerebrovascular disease research center.
ROINS-00682-06 (NEUA) O'BRIEN, JOHN S, UNIV OF CALIFORNIA, SAN DIEGO, DEPARTMENT OF NEUROSCIENCES, LA JOLLA, CALIF. Molecular basis of cerebral degeneration (human).	POINS-08802-05 0001 (NSPA) HALSEY, JAMES H JR. Cerebrovascular disease research center—The autoregulatory abnormality in stroke (human).
ROINS-00692-05 (AFY) STILES, ROBERT N, UNIVERSITY OF TENNESSEE, 800 MADISON AVENUE, MEMPHIS, TENN. Motor control system (human).	POINS-08802-05 0002 (NSPA) HALSEY, JAMES H JR. Cerebrovascular disease research center—The intracerebral steal (human).
ROINS-08706-05 (NEUA) OCHS, SIDNEY, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Analysis of fast and slow phases of axoplasmic flow (cats).	POINS-08802-05 0003 (NSPA) HALSEY, JAMES H JR. Cerebrovascular disease research center—Arterial lesions detection by gamma camera (human).
ROINS-08708-06 (EXP) WALCOTT, CHARLES, SUNY AT STONY BROOK, DIVISION OF BIOLOGICAL SCIENCE, STONY BROOK, N Y. Experimental analysis of orientation (pigeons).	POINS-08802-05 0004 (NSPA) GALBRAITH, JAMES G. Cerebrovascular disease research center—Arterial lesions detection by angiography (human).
POINS-08711-04 (NSPA) ROSE, AUGUSTUS S, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF NEUROLOGY, LOS ANGELES, CALIF. Fundamental studies relating to multiple sclerosis.	POINS-08802-05 0005 (NSPA) GALBRAITH, JAMES G. Cerebrovascular disease research center—Intracranial surgery (human).
	POINS-08802-05 0006 (NSPA) CEBALLOS, RICHARDO. Cerebrovascular disease research center—Autopsy study (human).
	POINS-08802-05 0007 (NSPA) LITTLE, SAMUEL C. Cerebrovascular disease research center—EEG computer technology (human).
	POINS-08802-05 0008 (NSPA) HALSEY, JAMES H JR. Cerebrovascular disease research center—Experimental cerebral infarction (cats, monkeys).
	POINS-08802-05 0009 (NSPA) HALSEY, JAMES H JR. Cerebrovascular disease research center—Isotopic determination of circulation time (human).
	POINS-08802-05 0010 (NSPA) HALSEY, JAMES H JR. Cerebrovascular disease research center—Prospective stroke epidemiology.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- PO1NS-08803-04 (NSPA) LANGFITT, THOMAS W, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA. Head injury clinical research center (human, dogs, rabbits, primates).
- RO1NS-08811-05 (CMS) MOPPSINGER, PAUL D, NORTHWESTERN UNIVERSITY MED SC, 303 E CHICAGO AVENUE, CHICAGO, ILL. Auditory aberrations of multiple sclerosis (human).
- RO1NS-08813-05 (CMS) SMITH, CATHERINE A, KRESGE HEARING RES LAB, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Structure and function of the inner ear (birds, guinea pigs).
- RO1NS-08814-05 (CMS) TUCKER, DON, FLORIDA STATE UNIVERSITY, BIOLOGICAL SCIENCE UNIT 1, TALLAHASSEE, FLA. Relation of neural responses to odor properties (turtles, frogs, birds, mammals).
- RO1NS-08829-06 (PHRA) GREEN, JACK P, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N. Y. ACh turnover and choline metabolism in the CNS (rats, guinea pigs).
- RO1NS-08838-05 (VR) WEINER, LESLIE P, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Demyelinating disease caused by virus (mice).
- RO1NS-08841-05 (BAO) HAJRA, AMIYA K, UNIVERSITY OF MICHIGAN, 1103 E HURON STREET, ANN ARBOR, MICH. Metabolism of phosphatidic acid in brain (guinea pigs, rats).
- RO1NS-08851-04 (PHRA) PRICHARD, JAMES W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Neuronal effects of convulsant/anticonvulsant drugs (leeches, mollusks).
- RO1NS-08853-05 (CBY) DE LONG, G ROBERT, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS. Specific cell interactions in histogenesis of brain (mice, chick embryo).
- RO1NS-08862-05 (MBY) LOWRY, OLIVER H, WASHINGTON UNIVERSITY MED SCH, 660 SOUTH EUCLID AVENUE, SAINT LOUIS, MO. Metabolism of cells and parts of cells in nervous tissue (mammals).
- RO1NS-08869-04 (PHY) WYSE, GORDON A, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF ZOOLOGY, AMHERST, MASS. Physiology of the central nervous system (*Limulus*).
- RO1NS-08884-05 (NEUA) CONNOR, JOHN D, PENNSYLVANIA STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, HERSHEY, PA. Development of neuron interactions in maturing brain (cats, rats).
- RO1NS-08902-05 (CMS) PFAFFMANN, CARL, ROCKEFELLER UNIVERSITY, NEW YORK, N. Y. Mechanisms of olfactory communication (gerbils, hamsters).
- RO1NS-08907-04 (NEUB) LILES, SAMUEL L, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Choreiform dyskinesia after striatal lesions (cats, monkey).
- RO1NS-08909-04 (NEUB) PEREZ, VERNON J, WASHINGTON UNIVERSITY, 4940 ALDUBON AVENUE, ST LOUIS, MO. Regional CNS uptake of amino acids (mice).
- RO1NS-08933-05 (NEUB) GAMBETTI, PIERLUIGI, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE ST, PHILADELPHIA, PA. Studies on synaptosomes (rats, rabbits, mice).
- RO1NS-08935-04 (SSS) KILLAM, KEITH F, JR, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, DAVIS, CALIF. Photomyoclonic epilepsy (baboons).
- RO1NS-08943-05 (CMS) GRAZIADEI, PASQUALE P, FLORIDA STATE UNIVERSITY, DEPT OF BIO SCIS, UNIT 1, TALLAHASSEE, FLA. Functional anatomy of olfactory and taste receptors (animals).
- RO1NS-08947-05 (TOX) HASKELL, BETTY E, UNIVERSITY OF ILLINOIS, 567 BEVIER HALL, URBANA, ILL. Metabolic studies on neurotoxins (rodents, plants).
- RO1NS-08949-05 (CBY) ADRIAN, ERLE K, JR, UNIVERSITY OF TEXAS, 7703 FLOYD CURT DRIVE, SAN ANTONIO, TEX. Cell proliferation in injured nervous tissue (mice).
- RO1NS-08951-04 (PHY) ARMSTRONG, CLAY M, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N. Y. Permeability mechanisms in excitable membranes (squid).
- RO1NS-08952-06 (PHTA) RAINE, CEDRIC S, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. EM cytopathology of organized CNS and PNS cultures.
- RO1NS-08952-06 0001 (PHTA) RAINE, CEDRIC S. EM cytopathology of organized CNS and PNS cultures—Serum factors (human, rabbits, mice).
- RO1NS-08952-06 0002 (PHTA) RAINE, CEDRIC S. EM cytopathology of organized CNS and PNS cultures—Cellular factors (human, rabbits, mice).
- RO1NS-08952-06 0002 (PHTA) RAINE, CEDRIC S. EM cytopathology of organized CNS and PNS cultures—Tests of virological concepts (human, rabbits, mice, hamsters).
- RO1NS-08952-06 0004 (PHTA) RAINE, CEDRIC S. EM cytopathology of organized CNS and PNS cultures—Tests for myelinotoxins (human, rats, mice, rabbits).
- RO1NS-08962-06 (COM) BICKFORD, REGINALD G, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Automatic pattern recognition in the EEG (human).
- RO1NS-08964-05 (NEUB) POTTER, H DAVID, INDIANA UNIVERSITY, MYERS HALL 112, BLOOMINGTON, IND. Dynamic aspects of neurofilaments and microtubules (fish, chickens).
- RO1NS-08970-04 (NEUB) RAMONDI, ANTHONY J, 13-567 SEARLE BUILDING, NORTHWESTERN UNIV MED SCHOOL, CHICAGO, ILL. Pathology of acute, experimental spinal cord injury (monkeys, cats).
- RO1NS-08989-12 (NEUB) THAIRAS, PAOLA S, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY-ANATOMY, BERKELEY, CALIF. Brain function during altitude acclimatization (rats).
- RO1NS-08990-04 (PC) O'CONNOR, JOHN D, UNIVERSITY OF CALIFORNIA, DEPT OF ZOOLOGY, LOS ANGELES, CALIF. Metabolism of sphingosine and beta-ecdysone (crayfish).
- RO1NS-08996-05 (PHY) COHEN, MELVIN J, YALE UNIVERSITY, 219 PROSPECT STREET, NEW HAVEN, CONN. Peripheral and central studies of neural organization (insects).
- RO1NS-08997-05 (PHTA) HERNDON, ROBERT M, DEPT OF NEUROLOGY, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Fine structural alterations in CNS viral disease.
- RO1NS-08997-05 0001 (PHTA) HERNDON, ROBERT M. Fine structural alterations in CNS viral disease—Viral teratogenesis (hamsters, Kilham rat virus, bluetongue virus).
- RO1NS-08997-05 0002 (PHTA) HERNDON, ROBERT M. Fine structural alterations in CNS viral disease—Virus induced demyelinating disease (hepatitis virus, mice).
- RO1NS-08997-05 0003 (PHTA) HERNDON, ROBERT M. Fine structural alterations in CNS viral disease—Viral diseases of the human nervous system.
- RO1NS-09003-05 (NEUA) BARCHI, ROBERT L, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF BIOCHEMISTRY, PHILADELPHIA, PA. Structure, function, and assembly of nerve membranes (rats).
- RO1NS-09012-05 (PHY) HAGIWARA, SUSUMU, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Microneurophysiology (animals).
- RO1NS-09015-05 (NEUB) GRAPSTEIN, BERNICE, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Growth of axons in development of the nervous system (rats, cats).
- RO1NS-09018-05 (NEUA) HANCOCK, MICHAEL B, UNIVERSITY OF TEXAS, DEPARTMENT OF ANATOMY, GALVESTON, TEX. Viscero-somatic interaction in the lumbar spinal cord (cats).
- RO1NS-09025-05 (NEUB) RAIMONDI, ANTHONY J, CHILDREN'S MEMORIAL HOSPITAL, 2300 CHILDREN'S PLAZA, CHICAGO, ILL. Pathogenesis of hydrocephalus mutants (human, mice).
- RO1NS-09027-04 (CMS) COLAVITA, FRANCIS B, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF PSYCHOLOGY, PITTSBURGH, PA. Nonauditory functions of auditory cortex (cats).
- RO1NS-09027-04 (NEUA) HARRIS, A BASH, UNIVERSITY OF WASHINGTON, DEPT OF NEUROLOGICAL SURGERY, SEATTLE, WASH. Anatomy of experimental seizures (human, monkeys).
- RO1NS-09040-05 (NEUB) POOLER, JOHN P, EMORY UNIVERSITY, DEPT OF PHYSIOLOGY, ATLANTA, GA. Photosensitization of giant axons (lobsters).
- RO1NS-09042-05 (NEUB) WILSON, DAVID F, MIAMI UNIVERSITY, DEPT OF ZOOLOGY, OXFORD, OHIO. Presynaptic basis of neuromuscular transmission (rats).
- RO1NS-09050-04 (PHY) DAVIS, WILLIAM J, UNIVERSITY OF CALIFORNIA, DIV OF NATURAL SCIS - 1, SANTA CRUZ, CALIF. Neuronal control of locomotion and neuronal ontogeny (animals).
- RO1NS-09051-05 (PHR) RUTLEDGE, CHARLES O, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Drugs on release of biogenic amines and behavior (rats).
- RO1NS-09053-05 (NEUB) LAMPERT, PETER W, UNIVERSITY OF CALIFORNIA, DEPT OF PATHOLOGY, LA JOLLA, CALIF. Fine structural pathology of myelin (chickens, dogs).
- RO1NS-09074-05 (PHY) BENTLEY, DAVID R, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, BERKELEY, CALIF. Generation of neuronal output patterns (crickets).
- RO1NS-09082-03 (NEUB) MC CLURE, WILLIAM O, UNIVERSITY OF ILLINOIS, DEPARTMENT OF BIOCHEMISTRY, URBANA, ILL. Studies of neural proteins (rats).
- RO1NS-09083-04 (PHY) CAMHI, JEFFREY M, CORNELL UNIVERSITY, 121 LANGMUIR LABORATORY, ITHACA, N. Y. Behavioral neurophysiology (locust).
- RO1NS-09087-05 (PHRA) BOWEN, JOHN M, UNIVERSITY OF GEORGIA, COLL OF VETERINARY MEDICINE, ATHENS, GA. Pharmacology of nerve-muscle systems (animals).
- RO1NS-09088-04 (PHRA) COCOLAS, GEORGE H, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, N. C. Stereochemistry of the cholinergic mechanism (guinea pigs, dogs, rats).
- RO1NS-09088-04 (TOX) HOSKIN, FRANCIS C, ILLINOIS INST OF TECHNOLOGY, BIOLOGY DEPARTMENT, CHICAGO, ILL. Biochemical basis of OP pesticide effects on function (squid).
- RO1NS-09122-04 (END) TAYLOR, ANNA N, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Neural mechanisms for pituitary-adrenal periodicity (rats, cats).
- RO1NS-09131-04 (NEUA) SCHLESINGER, KURT, UNIVERSITY OF COLORADO, INST FOR BEHAVIORAL GENETICS, BOULDER, COLO. Molecular processes in memory storage (mice).
- RO1NS-09135-05 (DBR) KASPAR, JOSEPH C, CHILDRENS MEMORIAL HOSPITAL, 2300 CHILDRENS PLAZA, CHICAGO, ILL. Studies in distractibility (children).
- RO1NS-09137-05 (PHRA) DOUGLAS, WILLIAM W, YALE UNIV SCHOOL OF MEDICINE, 333 CEDAR STREET, NEW HAVEN, CONN. Stimulus-secretion coupling and chromaffin cells (rodents, cats).
- RO1NS-09140-04 (EXP) HATTON, GLENN I, MICHIGAN STATE UNIVERSITY, DEPT OF PSYCHOLOGY, EAST LANSING, MICH. Internal sensing systems and drinking behavior (rats).
- RO1NS-09144-05 (TOX) O'BRIEN, RICHARD D, CORNELL UNIVERSITY, LANGMUIR LABORATORY, ITHACA, N. Y. Attempted isolation of acetylcholine receptor (fish, rats, lobsters).
- RO1NS-09156-04 (NEUB) OLNEY, JOHN W, WASHINGTON UNIVERSITY, 4940 ALDUBON AVENUE, ST LOUIS, MO. CNS ultrastructure disease, drugs and development (human, rodents, monkeys).
- RO1NS-09161-18 (TMP) NEWBURGH, ROBERT W, OREGON STATE UNIVERSITY, DEPT OF BIOCHEM/BIOPHYSICS, CORVALLIS, OREG. Biochemistry of neural development (insects).
- RO1NS-09168-05 (CMS) BERNARD, RUDY A, DEPARTMENT OF PHYSIOLOGY, MICHIGAN STATE UNIVERSITY, EAST LANSING, MICH. Electrophysiological studies of the gustatory system (animals).
- RO1NS-09174-09 (PHRA) MOORE, KENNETH E, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, EAST LANSING, MICH. Role of catecholamines in drug toxicity (rats, mice).
- RO1NS-09178-10 (BBCA) SAX, MARTIN, UNIVERSITY OF PITTSBURGH, DEPT OF CRYSTALLOGRAPHY, PITTSBURGH, PA. Biochemical mono and polyphosphate crystal structures.
- RO1NS-09196-04 (NEUB) RUDOMIN, PEDRO N, INSTITUTO POLITECNICO NACIONAL, APARTADO POSTAL 14-740, MEXICO, MEXICO 14.D.F. Discharge patterns of motoneurons (cats, frogs).
- RO1NS-09198-04 (RAD) POTTS, DOUGLAS G, CORNELL UNIVERSITY MEDICAL COL, 1300 YORK AVENUE, NEW YORK, N. Y. Radiological studies of cerebrospinal fluid (human, dogs).
- PO1NS-09199-04 (NSPA) WEINER, NORMAN, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Effect of L-dopa on synthesis of amines in brain (human, animals).
- PO1NS-09199-04 0001 (NSPA) HOEHN, MARGARET M. Effect of L-dopa on synthesis of amines in brain (human, animals)—Therapeutic and side effects of L-dopa (human).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PO1NS-09199-04 0002 (NSPA) CROWLEY, THOMAS J. Effect of L-dopa on synthesis of amines in brain (human, animals)-Psychiatric effects of L-dopa (human).
- PO1NS-09199-04 0003 (NSPA) RUTLEDGE, CHARLES O. Effect of L-dopa on synthesis of amines in brain (human, animals)-Catecholamines metabolism in Parkinsons (human).
- PO1NS-09199-04 0004 (NSPA) RUTLEDGE, CHARLES O. Effect of L-dopa on synthesis of amines in brain (human, animals)-Brain catecholamines of L-dopa treated (monkeys, rats, rabbits).
- PO1NS-09199-04 0005 (NSPA) BROOKE, MICHAEL H. Effect of L-dopa on synthesis of amines in brain (human, animals)-Peripheral manifestations of Parkinsons (human).
- PO1NS-09199-04 0006 (NSPA) WEINER, NORMAN. Effect of L-dopa on synthesis of amines in brain (human, animals)-Amine synthesizing enzymes in rats with nigral lesions.
- PO1NS-09199-04 0007 (NSPA) AUSTIN, JAMES H. Effect of L-dopa on synthesis of amines in brain (human, animals)-Characterization of Lewy bodies from brain stem (human).
- PO1NS-09199-04 0008 (NSPA) PERKINS, JOHN P. Effect of L-dopa on synthesis of amines in brain (human, animals)-Cyclic AMP in basal ganglia function (rats).
- PO1NS-09199-04 0009 (NSPA) VERNADAKIS, ANTONIO O. Effect of L-dopa on synthesis of amines in brain (human, animals)-Role of glial cells in ganglia disorders (chick embryo, rats).
- PO1NS-09199-04 0010 (NSPA) DIETRICH, RICHARD A. Effect of L-dopa on synthesis of amines in brain (human, animals)-Synthesis and degradation of catechol sulfate (human, rats).
- PO1NS-09199-04 0011 (NSPA) MURPHY, ROBERT. Effect of L-dopa on synthesis of amines in brain (human, animals)-Gas chromatography and mass spectrometry in L-DOPA metabolism (human).
- RO1NS-09211-04 (NEUB) PANDYA, DEEPAK N, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Connections of cerebral cortex (primates).
- RO1NS-09226-04 (NEUA) DRAVID, ANANT R, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Brain nuclear and mitochondrial RNA and protein synthesis (rats).
- RO1NS-09228-02 (NEUB) LIM, RAMON, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Isolation of proteins from synaptic membranes (rabbits, cats).
- RO1NS-09230-04 (PTHA) PRASAD, KEDAR N, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVE, BOX 111, DENVER, COLO. Control mechanisms of neuroblastoma cells in vitro (mice).
- RO1NS-09243-04 (CMS) MULROY, MICHAEL J, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. Intracellular responses in auditory papilla (lizards).
- RO1NS-09252-04 (CMS) LEVITT, HARRY, CITY UNIVERSITY OF NEW YORK, 33 WEST 42 STREET, NEW YORK, N Y. Analysis of acoustic characteristics of deaf speech (human).
- RO1NS-09264-03 (NEUA) PARKS, JOE M, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. Relation of protein synthesis to neuronal function (rabbits).
- RO1NS-09272-04 (PHRA) NARAHASHI, TOSHIO, DUKE UNIVERSITY MEDICAL CENTER, DEPT OF PHYSIOLOGY & PHARMACOL, DURHAM, N C. Cellular pharmacology of neuromuscular transmission (frogs, rats).
- RO1NS-09279-03 (EXP) HEIN, ALAN, MASSACHUSETTS INST OF TECH, BUILDING E10-206, CAMBRIDGE, MASS. Acquisition of visual-motor capacities (cats, human).
- RO1NS-09283-05 (PC) CONWAY, THOMAS W, UNIVERSITY OF IOWA, DEPT OF BIOCHEMISTRY, IOWA CITY, IOWA. Polyribosomes in human dystrophic muscle.
- PO1NS-09287-04 (NSPA) MEYER, JOHN S, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Baylor center for cerebrovascular research.
- PO1NS-09287-04 0005 (NSPA) MEYER, JOHN S. Baylor center for cerebrovascular research-Hemispheric blood flow and metabolism in cerebrovascular disease (human).
- PO1NS-09287-04 0006 (NSPA) MEYER, JOHN S. Baylor center for cerebrovascular research-Non-invasively measuring regional cerebral blood flow (human).
- PO1NS-09287-04 0007 (NSPA) MATHEW, NINAN T. Baylor center for cerebrovascular research-Complicating factors in acute subarachnoid hemorrhage (human).
- PO1NS-09287-04 0008 (NSPA) MATHEW, NINAN T. Baylor center for cerebrovascular research-Cerebrovascular component in normal pressure hydrocephalus (human).
- PO1NS-09287-04 0009 (NSPA) WELCH, K M A. Baylor center for cerebrovascular research-Neurotransmitters in pathogenesis of cerebral ischemia (human, monkeys, gerbils).
- PO1NS-09287-04 0010 (NSPA) KAWAMURA, YASUO. Baylor center for cerebrovascular research-Neurogenic mechanisms in cerebral blood flow regulation (baboons).
- PO1NS-09287-04 0011 (NSPA) HARTMAN, ALEXANDER. Baylor center for cerebrovascular research-Cyclic AMP and regional cerebral blood flow in experimental infarction (baboons).
- PO1NS-09287-04 0012 (NSPA) AOYAGI, MINORU. Baylor center for cerebrovascular research-Cerebral energy metabolism following acute infarction (monkeys, baboons).
- PO1NS-09287-04 0013 (NSPA) FAIBISH, GEORGE M. Baylor center for cerebrovascular research-Neuropsychological studies in cerebrovascular disease and dementias (human).
- PO1NS-09287-04 0014 (NSPA) PATTEN, BERNARD M. Baylor center for cerebrovascular research-Functional rehabilitation of memory in patients with stroke.
- PO1NS-09287-04 0015 (NSPA) PILGERAM, L O. Baylor center for cerebrovascular research-Disorders of intravascular coagulation in cerebrovascular disease (human).
- PO1NS-09287-04 0016 (NSPA) PILGERAM, L O. Baylor center for cerebrovascular research-Blood and cerebrospinal fluid in acute subarachnoid hemorrhage (human).
- PO1NS-09287-04 0017 (NSPA) PILGERAM, L O. Baylor center for cerebrovascular research-Phenformin plus androgens as stroke and ischemia preventive (human).
- PO1NS-09287-04 0018 (NSPA) DODSON, R F. Baylor center for cerebrovascular research-Neuropathology-Cerebral ischemia and recoverability in cerebral tissue (monkeys).
- PO1NS-09287-04 0019 (NSPA) HOFF, HENRY F. Baylor center for cerebrovascular research-Human cerebral atherosclerosis and hyperlipidemia.
- PO1NS-09287-04 0020 (NSPA) MEYER, JOHN S. Baylor center for cerebrovascular research-Intravenous glycerol for acute cerebral infarction (human).
- RO1NS-09299-04 (MBY) LASEK, RAYMOND J, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Macromolecular control of neuronal function (squid, *Myxicola*, rats).
- RO1NS-09315-05 (NEUA) SALPETER, MIRIAM M, CORNELL UNIVERSITY, DEPT OF APPLIED PHYSICS, ITHACA, N Y. Functional ultrastructure of nervous system (cockroach, mice).
- RO1NS-09322-04 (NEUB) SELVERSTON, ALLEN I, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Neuronal geometry and integration in ganglia (lobsters).
- RO1NS-09329-04 (BBCB) WORTHINGTON, C R, CARNEGIE-MELLON UNIVERSITY, 4400 FIFTH AVENUE, PITTSBURGH, PA. Molecular structure of nerve and photoreceptors (frogs).
- RO1NS-09330-04 (NEUB) SEECOF, ROBERT L, CITY OF HOPE NATL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Development of neurons and related calls in vitro (*Drosophila*).
- RO1NS-09331-04 (CBY) ROSENBLUTH, JACK, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Cytology and function of adrenergic neurons in brain (toads).
- RO1NS-09335-04 (CBY) WILSON, LESLIE, STANFORD UNIVERSITY, DEPARTMENT OF PHARMACOLOGY, STANFORD, CALIF. Drug interactions with brain microtubule (human, chick embryos).
- RO1NS-09338-04 (NEUA) SUN, GRACE Y, CLEVELAND PSYCHIATRIC INST, 1708 AIKEN AVENUE, CLEVELAND, OHIO. Fatty acid metabolism in brain subcellular membranes (human, mice, primates).
- RO1NS-09339-04 (NEUA) MC CAMAN, RICHARD E, DIVISION OF NEUROSCIENCES, CITY OF HOPE NATIONAL MED CTR, DUARTE, CALIF. Chemistry of plastic changes in neurons (*Aplysia*).
- RO1NS-09343-04 (VISB) BIZZI, EMILIO, MASSACHUSETTS INST OF TECH, ROOM E10-239, CAMBRIDGE, MASS. Eye-head coordination (monkeys).
- RO1NS-09348-04 (NEUA) MARGOLIS, RENEE K, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Glycoproteins in brain (rats, rabbits).
- RO1NS-09349-04 (RAD) SWEET, WILLIAM H, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Intravascular magnetic techniques and the nervous system (human, mammals).
- RO1NS-09350-04 (MCHB) MILLER, DUANE D, THE OHIO STATE UNIVERSITY, 500 WEST 12TH AVENUE, COLUMBUS, OHIO. Stereochemical studies of adrenergic drugs.
- RO1NS-09356-04 (TOX) STAVINOHVA, WILLIAM B, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Chronic inhibition of cholinesterase (rats).
- RO1NS-09361-04 (NEUA) SPENCER, WILLIAM A, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N Y. Plasticity of the simplest neuronal pathways (animals).
- RO1NS-09363-04 (NEUA) LOW, FRANK N, DEPARTMENT OF ANATOMY, UNIVERSITY OF NORTH DAKOTA, GRAND FORKS, N DAK. Fine structural lining of subarachnoid space (rats).
- RO1NS-09367-04 (NEUB) ROVAINEN, CARL M, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Organization of primitive spinal cord (lamprey).
- RO1NS-09374-04 (EXP) POPPER, ARTHUR N, UNIVERSITY OF HAWAII, EDMONDSON HALL, 2538 THE MALL, HONOLULU, HAWAII. Processing of acoustic information (fish).
- RO1NS-09378-04 (GEN) GREEN, EARL L, THE JACKSON LABORATORY, BAR HARBOR, MAINE. Neurological mutants (mice).
- RO1NS-09399-10 (MCHB) SMISSMAN, EDWARD E, UNIVERSITY OF KANSAS, DEPT OF MEDICINAL CHEMISTRY, LAWRENCE, KANS. Catecholamine receptor sites-Stereochemical approaches.
- RO1NS-09404-04 (EXP) ROWELL, CHARLES H, UNIVERSITY OF CALIFORNIA, ZOOLOGY DEPARTMENT, BERKELEY, CALIF. Central control of sensory interneurons (insects, mollusks).
- RO1NS-09407-02 (NEUA) SHASHOUA, VICTOR E, MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. Brain RNA metabolism and biochemistry of learning (fish).
- RO1NS-09408-03 (NEUA) HAINING, JOSEPH L, VETERANS ADMINISTRATION CENTER, 1500 E WOODROW WILSON DRIVE, JACKSON, MISS. Local cerebral blood flow (cats, monkeys).
- RO1NS-09418-03 (NEUB) REMLER, MICHAEL P, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF MEDICINE, CHAPEL HILL, N C. Anatomic and physiologic correlation in the neuropil (crayfish).
- RO1NS-09420-04 (NEUB) ROBBINS, NORMAN, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. Long-term nerve-muscle interactions (rats).
- RO1NS-09431-03 (SSS) SAHS, ADOLPH L, UNIVERSITY HOSPITAL, IOWA CITY, IOWA. Acute treatment of ruptured intracranial aneurysms, central registry (human).
- RO1NS-09432-03 (SSS) ALLEN, MARSHALL B, JR, MEDICAL COLLEGE OF GEORGIA, SECTION OF NEUROSURGERY, AUGUSTA, GA. Acute treatment of ruptured intracranial aneurysms (human).
- RO1NS-09433-03 (SSS) BOLDREY, EDWIN B, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Acute treatment of ruptured intracranial aneurysms (human).
- RO1NS-09435-03 (SSS) ODOM, GUY L, DUKE UNIV MEDICAL CENTER, DURHAM, N C. Acute treatment of ruptured intracranial aneurysms (human).
- RO1NS-09437-03 (SSS) ROSS, ALEXANDER T, INDIANA UNIV MEDICAL CENTER, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Acute treatment of ruptured intracranial aneurysms (human).
- RO1NS-09438-03 (SSS) SMITH, ROBERT R, UNIV OF MISSISSIPPI MED CTR, 2500 NORTH STATE STREET, JACKSON, MISS. Acute treatment of ruptured intracranial aneurysms (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1NS-09439-03 (SSS) SHULMAN, KENNETH, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Acute treatment of ruptured intracranial aneurysms (human).
- RO1NS-09440-04 (CMS) DUNN, ROBERT F, UNIVERSITY OF CALIFORNIA, 31-19 REHAB CTR, DEPT OF SURG, LOS ANGELES, CALIF. Ultrastructural studies on vestibular neural pathways (bullfrogs, guitar fish).
- RO1NS-09442-04 (CMS) CARHART, RAYMOND T, NORTHWESTERN UNIVERSITY, AUDITORY RESEARCH LABORATORY, EVANSTON, ILL. Perceptual masking in normal and impaired hearers (human).
- RO1NS-09447-04 (NEUA) BLOEDEL, JAMES R, UNIV OF MINNESOTA HOSPITALS, 412 UNION STREET SOUTHEAST, MINNEAPOLIS, MINN. Organization and function of CNS structures in motor control (monkeys, cats).
- RO1NS-09462-02 (AFY) ELIASSON, SVEN G, IRENE WALTER JOHNSON INSTITUTE, 509 SOUTH EUCLID AVENUE, ST LOUIS, MO. Objective measurements of neuromotor spasticity (human).
- RO1NS-09471-02 (NEUA) ZEMP, JOHN W, UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Folic acid deficiency and brain development (mice, rats).
- RO1NS-09472-04 (NEUA) WHITEHORN, DAVID, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT. Response of dorsal column nuclei to natural inputs (cats).
- RO1NS-09474-04 (NEUB) MAYNARD, EDITH A, BIOLOGY DEPARTMENT, UNIVERSITY OF OREGON, EUGENE, OREG. Integrative mechanisms in ganglia (decapods).
- RO1NS-09475-04 (NEUB) HOLTZMAN, ERIC, COLUMBIA UNIVERSITY, 116TH STREET & BROADWAY, NEW YORK, N Y. Transport and membrane circulation in nervous tissue (animals).
- RO1NS-09479-03 (MET) KIHARA, HAYATO, PACIFIC STATE HOSPITAL, P O BOX 100, POMONA, CALIF. Studies of human arylsulfatase A (normal urine).
- RO1NS-09514-02 (NEUA) DICK, ARTHUR R, UNIVERSITY OF KANSAS, RAINBOW BLVD AT 39TH STREET, KANSAS CITY, KANS. Regional blood flow, acid-base energy metabolism in cerebral edema (cats).
- RO1NS-09518-04 (NEUB) PRICE, JOSEPH L, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Studies on the fine structure of the olfactory system (cats, rats).
- RO1NS-09541-04 (PC) BASU, SUBHASH C, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF CHEMISTRY, NOTRE DAME, IND. Metabolism of glycosphingolipids (human, mammals, chick embryo).
- RO1NS-09546-04 (PHY) MORIN, JAMES G, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, LOS ANGELES, CALIF. Physiology and bioluminescence (hydroids).
- RO1NS-09547-04 (PTHA) PAYNE, FRANCIS E, UNIVERSITY OF MICHIGAN, 109 OBSERVATORY STREET, ANN ARBOR, MICHIGAN. Viral subacute and chronic nervous system disease (human).
- RO1NS-09564-04 (BBCS) STRUVE, WILLIAM G, UNIVERSITY OF TENNESSEE, 894 UNION AVENUE, MEMPHIS, TENN. Orientation and motion of membrane proteins (electric fish, E coli).
- RO1NS-09568-04 (ALY) PETZ, LAWRENCE D, HARKNESS COMMUNITY HOSPITAL, 1400 FELL STREET, SAN FRANCISCO, CALIF. Immune tissue injury—Mechanism and clinical relevance (human).
- RO1NS-09569-02 (PTHA) ZACKS, SUMNER I, PENNSYLVANIA HOSPITAL, 8TH AND SPRUCE STREETS, PHILADELPHIA, PA. Med-myopathy—A new hereditary myopathy (mice).
- RO1NS-09570-10 (CMS) JACKSON, RICHARD T, EMORY UNIVERSITY, 441 WOODRUFF MEMORIAL BUILDING, ATLANTA, GA. Blood flow changes in otic and nasal tissue (human, dogs).
- RO1NS-09572-03 (MCHB) SUNDBERG, RICHARD J, UNIVERSITY OF VIRGINIA, DEPARTMENT OF CHEMISTRY, CHARLOTTESVILLE, VA. Models for hydroxylases of neurochemical significance.
- RO1NS-09578-05 (NEUB) VAUGHN, JAMES E, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Spinal cord development (mice).
- RO1NS-09590-04 (CMS) HOEMANN, HARRY W, 1028 VILLAGE DRIVE, BOWLING GREEN, OHIO. Communication skills in deaf and hearing children.
- RO1NS-09603-04 (NEUA) BONDY, STEPHEN C, UNIVERSITY OF COLORADO, 4200 E 9TH AVENUE, DENVER, COLO. The biochemical effects of sensory deprivation (chicks).
- RO1NS-09608-05 (PHRA) MAUTNER, HENRY G, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Biochemical aspects of nerve function (rats).
- RO1NS-09613-03 (CMS) PROCTOR, LEONARD R, UNIVERSITY OF CHICAGO, 950 EAST 59 STREET, CHICAGO, ILL. Study of vestibular pathways in the cerebellum (cats, humans).
- RO1NS-09614-03 (NEUB) MAYNARD, EDITH A, UNIVERSITY OF OREGON, BIOLOGY DEPARTMENT, EUGENE, OREG. Regeneration in nervous system (crustaceans).
- RO1NS-09622-03 (NEUA) PINCUS, JONATHAN H, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN 06510. Thiamine and disorders of brain metabolism (human, rats, lobsters).
- RO1NS-09623-04 (NEUA) HALL, WILLIAM C, DUKE UNIVERSITY, DEPARTMENT OF ANATOMY, DURHAM, N C. Structure and function of neocortex (animals).
- RO1NS-09625-03 (NEUB) WASTERLAIN, CLAUDE G, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Brain ribosomes and brain protein synthesis in epilepsy (rats).
- RO1NS-09626-04 (PC) U, YU-TEH, TULANE UNIVERSITY, THREE RIVERS ROAD, COVINGTON, LA. Glycosidases related to sphingolipidoses (primates, plants, rabbits, human).
- RO1NS-09627-04 (CMS) NETSELL, RONALD W, UNIVERSITY OF WISCONSIN, 1975 WILLOW DRIVE, MADISON, WIS. Physiological bases of dysarthria (human).
- RO1NS-09628-03 (CMS) SEITZ, RACHEL E, JOHNS HOPKINS UNIVERSITY, TRAYLOR BUILDING, ROOM 417, BALTIMORE, MD. New approaches to speech instruction of deaf children.
- RO1NS-09632-03 (PHY) CHRISTENSEN, BURGESS N, BROWN UNIVERSITY, DIVISION OF BIOL & MED SCS, PROVIDENCE, R I. Transmitter release in a central nervous system (sea lamprey).
- RO1NS-09639-04 (PC) MOORE, STANFORD, ROCKEFELLER UNIVERSITY, 66TH STREET AND YORK AVENUE, NEW YORK, N Y. Enzyme systems in the brain (cattle, human).
- RO1NS-09641-04 (PTHA) LASHER, ROBERT S, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Differentiation and tumorigenesis of neural cells (rats, chickens).
- RO1NS-09646-04 (NEUA) HALL, ZACH W, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Post synaptic proteins at neuromuscular junction (rats).
- PO1NS-09649-04 (NSPB) KATZMAN, ROBERT, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Research in parkinsonism.
- PO1NS-09649-04 0001 (NSPB) KATZMAN, ROBERT. Research in parkinsonism—Anatomy of aminergic systems in brain (monkeys, rats, human).
- PO1NS-09649-04 0002 (NSPB) MODEL, PATRICIA. Research in parkinsonism—Neuromelanin (monkeys, amphibians, rodents, human).
- PO1NS-09649-04 0004 (NSPB) KATZMAN, ROBERT. Research in parkinsonism—Blood-brain barrier to amines and precursors (rats, rabbits, cats, monkeys).
- PO1NS-09649-04 0008 (NSPB) KATZMAN, ROBERT. Research in parkinsonism—Regeneration in central aminergic systems (monkeys, cats, rats).
- PO1NS-09649-04 0009 (NSPB) MAKMAN, MAYNARD H. Research in parkinsonism—Biogenic amines and cyclic AMP (monkeys, cattle, rabbits, rats).
- PO1NS-09649-04 0010 (NSPB) WOLFSON, LESLIE. Research in parkinsonism—Amine metabolites in cerebrospinal fluid (human, cats).
- PO1NS-09649-04 0011 (NSPB) GARDER, ELIOT. Research in parkinsonism—Functional interrelations of brain aminergic systems (rats, primates).
- PO1NS-09649-04 0012 (NSPB) SNIDER, STUART R. Research in parkinsonism—Disease models (rats).
- RO1NS-09654-04 (NEUB) RUSSELL, RICHARD L, CALIFORNIA INSTITUTE OF TECH, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Genetic variants of synaptic proteins (nematodes).
- RO1NS-09656-04 (CMS) HIXON, THOMAS J, UNIVERSITY OF WISCONSIN, 1975 WILLOW DRIVE, MADISON, WIS. Speech breathing mechanics (human).
- RO1NS-09658-04 (M8Y) SCHUBERT, DAVID R, SALK INST FOR BIO STUDIES, P O BOX 1809, SAN DIEGO, CALIF. Physiology of nerve, glial, and muscle cell lines (rats).
- RO1NS-09660-05 (PHY) MARTIN, A ROBERT, UNIV OF COLORADO MEDICAL CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Mechanisms of synaptic transmission (frogs, chickens, lamprey).
- RO1NS-09661-05 (PHY) WICKELGREN, WARREN O, UNIVERSITY OF COLORADO, 4200 E 9TH AVENUE, DENVER, COLO. Organization of the nervous system (lamprey).
- RO1NS-09666-02 (NEUB) WRIGHT, ERNEST M, UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. The secretion of the cerebrospinal fluid (frog).
- RO1NS-09673-01 (PTHA) MC GRATH, JOHN T, SCHOOL OF VETERINARY MEDICINE, 3800 SPRUCE STREET, PHILADELPHIA, PA. Fine structure of myelinogenesis and myelin disease (dogs).
- RO1NS-09677-04 (NEUA) CALVIN, WILLIAM H, UNIVERSITY OF WASHINGTON, R1-20, DEPT OF NEUR SURGERY, SEATTLE, WASH. Motoneuron repetitive firing mechanisms (cats).
- RO1NS-09678-04 (NEUA) WESTRUM, LESNICK E, UNIVERSITY OF WASHINGTON, DEPT OF NEUROLOGICAL SURGERY, SEATTLE, WASH. Fine structure of deafferentation (rats, cats).
- RO1NS-09692-04 (CMS) O'LEARY, DENNIS P, UNIVERSITY OF CALIFORNIA, 62-156 CTR FOR HEALTH SCS, LOS ANGELES, CALIF. Semicircular canal afferent responses (elasmobranchs).
- RO1NS-09693-04 (NEUA) WILLIAMS, VICK F, UNIV OF TEXAS DENTAL SCH, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEXAS. Ultrastructural aspects of injured cerebral cortex (cats).
- RO1NS-09694-03 (CMS) CALDWELL, DAVID K, UNIVERSITY OF FLORIDA, DEPARTMENT OF SPEECH, 63 ASB, GAINESVILLE, FLA. Studies of communication (dolphin).
- RO1NS-09693-04 (EDC) DAWBER, THOMAS R, BOSTON UNIVERSITY MEDICAL CTR, 80 EAST CONCORD STREET, BOSTON, MASS. The epidemiology of stroke (human).
- RO1NS-09696-04 (PHY) KATER, STANLEY B, UNIVERSITY OF IOWA, DEPARTMENT OF ZOOLOGY, IOWA CITY, IOWA. Neural control of discrete behavioral processes (snails).
- PO1NS-09704-04 (NSPA) FARLOW, CHARLES F, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Developmental neurology.
- PO1NS-09704-04 0008 (NSPA) WELCH, KEASLEY. Developmental neurology—Distribution of materials in fluids of the nervous system (cats).
- PO1NS-09704-04 0019 (NSPA) ABROMS, ISRAEL F. Developmental neurology—Sensory interaction (human).
- PO1NS-09704-04 0020 (NSPA) MATSUMIYA, YOICHI. Developmental neurology—Evoked potentials and analytic techniques in auditory deficits (human).
- PO1NS-09704-04 0023 (NSPA) DUFFY, FRANK H. Developmental neurology—Receptive field organization of primate somatosensory cortex.
- PO1NS-09704-04 0026 (NSPA) GILLES, F H. Developmental neurology—Models of human perinatal telencephalic leucoencephalopathy (rats).
- PO1NS-09704-04 0031 (NSPA) CARUTHERS, J S. Developmental neurology—Development of neutral amino acid transport.
- PO1NS-09704-04 0033 (NSPA) LORENZO, ANTONIA V. Developmental neurology—Cerebral solute transport and blood-brain barriers.
- PO1NS-09704-04 0034 (NSPA) CARUTHERS, J S. Developmental neurology—Neutral amino acid uptake in brain and choroid plexus.
- PO1NS-09704-04 0035 (NSPA) WINSTON, KEN. Developmental neurology—Hippocampal efferents using autoradiographic techniques.
- PO1NS-09704-04 0036 (NSPA) LOMBROSO, CESARE T. Developmental neurology—Comparison of simple complex auditory stimuli.
- PO1NS-09704-04 0037 (NSPA) MATSUMIYA, YOICHI. Developmental neurology—Clinical seizures and hyperkinesia by relaxation.
- PO1NS-09704-04 0038 (NSPA) BURCHFIELD, J L. Developmental neurology—Receptive field organization of primate somatosensory cortex.
- PO1NS-09704-04 0039 (NSPA) DUFFY, FRANK H. Developmental neurology—Eye movement related visual suppression (primates).
- RO1NS-09713-02 (CMS) DIRKS, DONALD D, UNIVERSITY OF CALIFORNIA, AUDIOLOGY RESEARCH UNIT, LOS ANGELES, CALIF. Loudness, discrimination and amplification relationships (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1NS-09733-04 (NEUB) WOOD, DAVID C, UNIVERSITY OF PITTSBURGH, 441 CRAWFORD HALL, PITTSBURGH, PA. Biochemical characterization of habituation (protozoa).
- RO1NS-09738-04 (PHRA) DOWNES, HALL, UNIV OF OREGON MED SCH, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Excitatory effects of barbiturates (cats, frogs, rabbits).
- RO1NS-09743-05 (NEUA) WILLIS, WILLIAM D, JR, MARINE BIOMEDICAL INSTITUTE, 200 UNIVERSITY BLVD, GALVESTON, TEX. Synaptic connections of spinal cord neurons (animals).
- RO1NS-09744-05 (COM) PERKEL, DONALD H, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, STANFORD, CALIF. Stochastic models of neural systems.
- RO1NS-09746-04 (PHY) ROSENTHAL, FRED, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. Vagal effects on cortical PT-neuron activity (cats).
- RO1NS-09755-05 (COM) ARBIB, MICHAEL A, UNIVERSITY OF MASSACHUSETTS, COMPUTER & INFORMATION SCI, AMHERST, MASS. Information processing in the brain.
- RO1NS-09758-05 (NEUB) SANTISTEBAN, GEORGE A, PACIFIC NORTHWEST RES FDN, 1102 COLUMBIA STREET, SEATTLE, WASH. Social stimulation, RNA and cardiovascular disease (animals).
- RO1NS-09760-04 (NEUB) AUSTIN, JAMES H, UNIVERSITY OF COLORADO, 4200 E NINTH AVENUE, DENVER, COLO. Studies in aging of the brain (human).
- RO1NS-09763-03 (PHRA) BAKER, PETER C, CLEVELAND STATE UNIVERSITY, EUCLID AT 24 STREET, CLEVELAND, OHIO. Role of indole amines in brain maturation (mice, toads).
- RO1NS-09765-03 (NSS) CLEMENTE, CARMINE D, THE CENTER FOR HEALTH SCIENCES, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Brain mechanisms related to sleep behavior.
- RO1NS-09783-04 (CMS) CRAIG, JAMES C, INDIANA UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, BLOOMINGTON, IND. Parameters of cutaneous coding and pattern perception (human).
- RO1NS-09784-03 (NEUA) AYALA, GIOVANNI F, MAYO MEMORIAL HOSPITAL, BOX 341, MINNEAPOLIS, MINN. Effect of epileptogenic drugs on membrane properties (squid).
- RO1NS-09785-03 (NTN) HUTTENLOCHER, PETER R, YALE UNIVERSITY SCHOOL OF MEDI, 333 CEDAR STREET, NEW HAVEN, CONN. Trial of MCT diet in intractable childhood epilepsy (children, rats).
- RO1NS-09789-03 (PTHA) VICK, NICHOLAS A, UNIVERSITY OF CHICAGO HOSPITAL, 950 EAST 59TH STREET, CHICAGO, ILL. Fine structure of viral induced brain tumors (dogs).
- RO1NS-09800-03 (NEUA) MOBERG, GARY P, DEPARTMENT OF ANIMAL SCIENCE, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Regulation of ACTH—Role of neural inhibition (rats).
- RO1NS-09801-01 (NEUB) SAMAHA, FREDERICK J, UNIVERSITY OF PITTSBURGH, DEPARTMENT OF NEUROLOGY, PITTSBURGH, PA. Nervous system regeneration in the paraplegic (rats, cats).
- RO1NS-09808-02 (NEUB) DEVIVO, DARRYL C, ST LOUIS CHILDREN'S HOSPITAL, 500 S KINGSHIGHWAY BLVD, ST LOUIS, MO. Seizures, ketosis and cerebral metabolism (rats).
- RO1NS-09809-04 (NEUB) BURTON, HAROLD, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Temperature and pain in CNS (cats, monkeys).
- RO1NS-09811-04 (CMS) BELLUGI-KLIMA, URSULA, SALK INST FOR BIO STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF. The acquisition of sign language and its structure (human).
- RO1NS-09818-02 (NEUA) SEEDS, NICHOLAS W, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. In vitro biochemical differentiation of nerve cells (mice).
- RO1NS-09820-04 (NEUB) WOODWARD, DONALD J, UNIVERSITY OF ROCHESTER, DEPT OF PHYSIOLOGY, ROCHESTER, N Y. Effects of environmental stresses on brain development (rats).
- RO1NS-09821-04 (NEUB) LEVINTHAL, CYRUS, COLUMBIA UNIVERSITY, 119TH ST & AMSTERDAM AVENUE, NEW YORK, N Y. Neural development genetic and environmental control (crustaceans).
- PO1NS-09823-04 (CDR) WARD, PAUL H, UNIVERSITY OF CALIFORNIA, 62-215 CENTER FOR HLTH SCIS, LOS ANGELES, CALIF. Communicative disorders clinical research center.
- PO1NS-09823-04 0001 (CDR) WARD, PAUL H. Communicative disorders clinical research center—Vestibular mechanisms in human.
- PO1NS-09823-04 0002 (CDR) WARD, PAUL H. Communicative disorders clinical research center—Cochlear physiology (guinea pigs, toads).
- PO1NS-09823-04 0003 (CDR) WARD, PAUL H. Communicative disorders clinical research center—Vestibular receptor physiology (guinea pigs).
- PO1NS-09823-04 0004 (CDR) WARD, PAUL H. Communicative disorders clinical research center—Vestibulo-ocular physiology (human, cats, rabbits).
- PO1NS-09823-04 0005 (CDR) WARD, PAUL H. Communicative disorders clinical research center—Fine structure anatomy (bullfrogs, toads).
- PO1NS-09823-04 0006 (CDR) WARD, PAUL H. Communicative disorders clinical research center—Audiology (human).
- PO1NS-09823-04 0007 (CDR) WARD, PAUL H. Communicative disorders clinical research center—Temporal bone morphology (human).
- RO1NS-09831-03 (MCHB) KELLY, T ROSS, BOSTON COLLEGE, DEPARTMENT OF CHEMISTRY, CHESTNUT HILL, MASS 02167. Synthesis of the CNS stimulant deadbione.
- RO1NS-09835-03 (PHRA) JULIEN, ROBERT M, UNIVERSITY OF CALIFORNIA, DEPT OF MED PHARM & THERAPEU, IRVINE, CALIF. Neuropharmacologic studies in experimental epilepsy (cats, rats, mice, monkeys).
- RO1NS-09836-03 (PHRA) COOPER, JACK R, YALE UNIV SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Cholinergic nerve ending particles.
- RO1NS-09837-04 (PTHA) BALENTINE, J DOUGLAS, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Pathologic effects of exposure to high oxygen tension (rats).
- RO1NS-09839-04 (BBCA) CAMERMAN, NORMAN, UNIVERSITY OF TORONTO, BIOCHEMISTRY DEPT, TORONTO, CANADA. Stereochemical basis of anticonvulsant drug activity.
- RO1NS-09863-03 (CMS) PROUD, G O'NEIL, UNIVERSITY OF KANSAS, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. Tubal dysfunction and middle ear disorders (monkeys, cats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- RO1NS-09864-04 (CMS) HAHN, JOHN F, UNIVERSITY OF VIRGINIA, DEPARTMENT OF PSYCHOLOGY, CHARLOTTESVILLE, VA. Tactile peripheral nerve recordings and psychophysics (human).
- RO1NS-09870-02 (PHRA) ALEXANDER, S C, JR, UNIVERSITY OF WISCONSIN HOSPS, 1300 UNIVERSITY AVENUE, MADISON, WIS. Effects of anesthetics on cerebral metabolism (dogs).
- RO1NS-09871-03 (PHRA) KITAHATA, LUKE M, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Anesthesia and the nervous system (cats).
- RO1NS-09874-02 (CMS) LESHOWITZ, BARRY M, ARIZONA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, TEMPE, ARIZ. Steady-state and transient masking with sinusoids (human).
- RO1NS-09884-03 (NEUA) THACH, WILLIAM T, JR, YALE UNIVERSITY SCH OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Timing and coding of cerebellar output (monkeys).
- RO1NS-09885-02 (NEUA) HAMMERSCHLAG, RICHARD, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Transmitted release and metabolism by 3H-DNF assay (frogs).
- PO1NS-09889-04 (CDR) VERNON, JACK A, KRESGE HEARING RESEARCH LAB, 3515 S W VETERANS ROAD, PORTLAND, OREG. Investigation of agents which damage the ear.
- PO1NS-09889-04 0001 (CDR) BRUMMETT, ROBERT E. Investigation of agents which damage the ear—Site of ototoxic interaction (guinea pig).
- PO1NS-09889-04 0002 (CDR) BRUMMETT, ROBERT E. Investigation of agents which damage the ear—Drug interaction (guinea pigs).
- PO1NS-09889-04 0003 (CDR) BRUMMETT, ROBERT E. Investigation of agents which damage the ear—Quantitative analysis of ototoxic insults to ear (guinea pig).
- PO1NS-09889-04 0004 (CDR) BRUMMETT, ROBERT E. Investigation of agents which damage the ear—Dose response curves for aminoglycosides antibiotics (guinea pig).
- PO1NS-09889-04 0005 (CDR) MITCHELL, CURTIN. Investigation of agents which damage the ear—Protection from acoustical overload (guinea pig).
- PO1NS-09889-04 0006 (CDR) BRUMMETT, ROBERT E. Investigation of agents which damage the ear—Kanamycin effects on hearing (guinea pigs).
- PO1NS-09889-04 0007 (CDR) BRUMMETT, ROBERT E. Investigation of agents which damage the ear—Cocaine HCL effect on inner ear function (guinea pig).
- PO1NS-09889-04 0008 (CDR) MENKLE, MARY B. Investigation of agents which damage the ear—Parametric evaluation of effects of broad-band noise (guinea pig).
- PO1NS-09889-04 0009 (CDR) BRUMMETT, ROBERT E. Investigation of agents which damage the ear—Interaction between noise exposure and kanamycin (guinea pig).
- PO1NS-09889-04 0010 (CDR) MITCHELL, CURTIN. Investigation of agents which damage the ear—Sound exposures on nerve activity and cochlear potential (guinea pig).
- PO1NS-09889-04 0011 (CDR) VERNON, JACK A. Investigation of agents which damage the ear—Anesthesia effects on nerve activity (guinea pig).
- PO1NS-09889-04 0012 (CDR) MENKLE, MARY B. Investigation of agents which damage the ear—Damaging effects of noise and pure tones (guinea pig).
- PO1NS-09889-04 0013 (CDR) VERNON, JACK A. Investigation of agents which damage the ear—Interaction studies (guinea pig).
- PO1NS-09889-04 0014 (CDR) MENKLE, MARY B. Investigation of agents which damage the ear—Development of multi-unit recording (cats, guinea pig).
- PO1NS-09889-04 0015 (CDR) MENKLE, MARY B. Investigation of agents which damage the ear—Multi-unit recording related research (cats, guinea pigs).
- PO1NS-09889-04 0016 (CDR) VERNON, JACK A. Investigation of agents which damage the ear—Measurement of auditory thresholds (guinea pigs).
- PO1NS-09889-04 0017 (CDR) VERNON, JACK A. Investigation of agents which damage the ear—Re-evaluation of round window electrode recordings (guinea pig).
- RO1NS-09891-01 (CMS) LEWY, ROBERT B, EYE AND EAR INFIRMARY, 1855 WEST TAYLOR STREET, CHICAGO, ILL. Injected paralyzed vocal cord—Long term effects.
- RO1NS-09904-03 (NEUB) MUGNAINI, ENRICO, UNIVERSITY OF CONNECTICUT, BOX U-154, STORRS, CONN. Developmental morphology and synaptogenesis (animals).
- RO1NS-09909-03 (MET) PIANTADOSI, CLAUDE, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, N C. Ether and ketone containing lipids during brain development (rats).
- RO1NS-09910-03 (PC) WILSON, JOHN E, MICHIGAN STATE UNIVERSITY, BIOCHEMISTRY DEPARTMENT, EAST LANSING, MICH. Hexokinase forms in developing brain (rats).
- RO1NS-09914-03 (END) STUMPF, WALTER E, UNIVERSITY OF NORTH CAROLINA, 111 SWING BUILDING, CHAPEL HILL, N C. Phylogeny and ontogeny of hormone neurons in brain (animals).
- RO1NS-09915-03 (END) PURDY, ROBERT H, SOUTHWEST FDN FOR RES & EDUC, P O BOX 2814707480 W COMM ST, SAN ANTONIO, TEXAS. Hormone influence on brain function and malfunction (human, primates).
- RO1NS-09916-03 (NEUB) LLINAS, RODOLFO, UNIVERSITY OF IOWA, DIVISION OF NEUROBIOLOGY, IOWA CITY, IOWA. Neurobiology of cerebellar phylogeny and ontogeny (animals).
- RO1NS-09923-04 (NEUB) BUNGE, RICHARD P, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Cytological studies of developing and mature neurons (rats).
- RO1NS-09931-05 (PHY) EISENMAN, GEORGE, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Ion permeation through carriers, channels and nerve.
- RO1NS-09923-04 (UMB) MURPHY, WILLIAM H, UNIVERSITY OF MICHIGAN, 6706 MEDICAL SCIENCE II, ANN ARBOR, MICH. Immunobiology of age dependent CNS disease (mice).
- RO1NS-09937-12 (SSS) SCHAMMT, FRANCIS O, 280 NEWTON STREET, BROOKLINE, MASS. Neurosciences research program.
- RO1NS-09938-03 (NEUA) STEIN, BENNETT M, NEW ENGLAND MED CTR HOSPS, 171 HARRISON AVE, BOSTON, MASS. Factors affecting cerebral arterial caliber (monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- ROINS-09940-03 (CMS) VERRILLO, RONALD T, INSTITUTE FOR SENSORY RESEARCH, 821 UNIVERSITY AVE, SYRACUSE, N Y. Responses to suprathreshold vibratory stimulation (human).
- ROINS-09944-03 (NEUA) CAMPAGNONI, ANTHONY T, UNIVERSITY OF MARYLAND, DEPARTMENT OF CHEMISTRY, COLLEGE PARK, MD. Biochemistry of the developing brain (mice).
- ROINS-09948-03 (PHY) WELCH, KEASLEY, CHILDRENS HOSPITAL MEDICAL CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. Transport of materials by the choroid plexus (cats, rabbits).
- ROINS-09949-03 (CMS) NELSON, JAMES R, DEPT OF NEUROSCIENCES, UCSD SCHOOL OF MEDICINE, LA JOLLA, CALIF. Effects of vestibular dysfunction in man.
- ROINS-09955-03 (NEUB) SCHWARTZ, JAMES H, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N Y. Biochemical studies in identified neurons (Aplysia).
- ROINS-09957-03 (PHY) PAGE, CHARLES H, OHIO UNIVERSITY, DEPT OF ZOOLOGY & MICROBIO, ATHENS, OHIO. Postural regulation of loaded crayfish abdomen.
- ROINS-09960-03 (AFY) RITCHIE, BRENDA B, QUINNIAC COLLEGE, HAMDEN, CONN. Biophysics of muscular exercise (human).
- ROINS-09970-02 (NEUB) BROWN, PAUL B, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. Organization of cutaneous neurons in dorsal horn (cats).
- ROINS-09971-02 (NEUB) GOLDFARB, JOSEPH, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET AND FIFTH AVE, NEW YORK, N Y. Use and disuse of spinal pathways (cats, rats).
- ROINS-09973-03 (NEUB) FARRELL, DONALD F, UNIVERSITY OF WASHINGTON, DIVISION OF NEUROLOGY, SEATTLE, WASH. Mechanisms involved in primary demyelination (rats).
- ROINS-09975-02 (NEUA) LEBOVITZ, ROBERT M, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Ion transport mechanisms in seizure.
- ROINS-09985-03 (BBCB) HAFEMANN, DENNIS R, MARQUETTE UNIVERSITY, 530 NORTH 15TH STREET, MILWAUKEE, WIS. Isolation and reconstitution of excitable membranes (cattle).
- ROINS-09987-03 (CMS) PRAZMA, JIRI, UNIV OF NORTH CAROLINA, DEPARTMENT OF SURGERY, CHAPEL HILL, N C. Ototoxicity of diuretic-antibiotic combinations (guinea pigs).
- ROINS-09990-01 (NEUB) GILMORE, SHIRLEY A, UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM STREET, LITTLE ROCK, ARK. Undernutrition and the immature nervous system (rats).
- ROINS-09991-03 (NEUB) WOOD, DON H, FREEDMENS HOSP, ANNEX 1, ROOM 117, WASHINGTON, D C. Hypoxia and increased intracranial pressure.
- ROINS-09997-02 (NEUB) MC ILWAIN, JAMES T, BROWN UNIVERSITY, NEUROSCIENCES SECTION, PROVIDENCE, R I. Cortical control of superior colliculus (cats).
- ROINS-09999-02 (NEUB) CHASE, MICHAEL H, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY, LOS ANGELES, CALIF. Maturation of sleep and waking somatomotor activity (cats).
- ROINS-10004-03 (PHRA) GINZEL, KARL-HEINZ, UNIV OF ARKANSAS MED CENTER, DEPT OF PHARMACOLOGY, LITTLE ROCK, ARK. Reflex responses to drugs acting on sensory receptors (cats).
- ROINS-10013-02 (PC) SCHMID, HARALD H, HORMEL INSTITUTE, 801 16TH AVENUE, N E, AUSTIN, MINN. Phospholipid biosynthesis in developing brain (rats, pigs).
- ROINS-10019-03 (SSS) ELJASSON, SVEN G, WASHINGTON UNIV SCHOOL OF MED, 660 SOUTH EUCLID, ST LOUIS, MO. Nerve triphosphoinositide function (cats).
- ROINS-10027-03 (EXP) HENDRICKS, SHELTON E, UNIVERSITY OF NEBRASKA, BOX 666 - DOWNTOWN STATION, OMAHA, NEBR. Neuroendocrine and behavioral correlates of aging.
- ROINS-10027-03 0001 (EXP) HENDRICKS, SHELTON E. Neuroendocrine and behavioral correlates of aging-Ovarian hormones in development, systems mediating sex behavior (rats).
- ROINS-10027-03 0002 (EXP) HENDRICKS, SHELTON E. Neuroendocrine and behavioral correlates of aging-Modification by neonatally administered androgen (rats).
- ROINS-10027-03 0003 (EXP) HENDRICKS, SHELTON E. Neuroendocrine and behavioral correlates of aging-Aging process in systems mediating sexual behavior (rats).
- ROINS-10027-03 0004 (EXP) HENDRICKS, SHELTON E. Neuroendocrine and behavioral correlates of aging-Central nervous system lesions and aging of systems mediating sex behavior (rats).
- ROINS-10027-03 0005 (EXP) HENDRICKS, SHELTON E. Neuroendocrine and behavioral correlates of aging-Karyometrics after administration of steroid hormones during development (rats).
- ROINS-10027-03 0006 (EXP) HENDRICKS, SHELTON E. Neuroendocrine and behavioral correlates of aging-Influence of exposure to ovarian hormones prepubertally (rats).
- ROINS-10027-03 0007 (EXP) HENDRICKS, SHELTON E. Neuroendocrine and behavioral correlates of aging-Aging effects of nuclear volume of hypothalamic neurons (rats).
- ROINS-10033-04 (PHY) MACHNE, XENIA, UNIVERSITY OF MINNESOTA, 105 MILLARD HALL, MINNEAPOLIS, MINN. Neural membrane activity-Related structural changes (snails).
- ROINS-10048-03 (BBCB) SILBERBERG, ALEXANDER, WEIZMANN INSTITUTE OF SCIENCE, REHOVOT, ISRAEL. Mucus clearance in secretory otitis media (cattle, frogs).
- ROINS-10054-02 (CMS) VAN BUSKIRK, WILLIAM C, TULANE UNIVERSITY, DEPT OF MECHANICAL ENGR, NEW ORLEANS, LA. Biophysical properties of semicircular canals.
- ROINS-10072-02 (COM) STUART, THOMAS W, COURANT INSTITUTE, 251 MERCER STREET, NEW YORK, N Y. Interactive computer graphics.
- ROINS-10090-02 (MCHA) MC CHESNEY, JAMES D, UNIVERSITY OF KANSAS, LAWRENCE, KANS. Synthesis of geometrically defined analgesics.
- ROINS-10094-03 (EXP) SEKULER, ROBERT W, NORTHWESTERN UNIVERSITY, 2021 SHERIDAN ROAD, EVANSTON, ILL. Mirror-image and hemispheric specialization (children, adults).
- ROINS-10105-02 (NEUB) MEYER, WILLIAM L, UNIVERSITY OF VERMONT, BIOCHEMISTRY DEPARTMENT, BURLINGTON, VT. Innervation effects on muscle neutral hydrolases (human, rats).
- ROINS-10108-03 (NEUB) HOLLANDER, JOSHUA, ROCHESTER GENERAL HOSPITAL, 1425 PORTLAND AVENUE, ROCHESTER, N Y. Brain phosphoinositides-Relevance to prostaglandins (human).
- ROINS-10111-03 (BIO) HAYASHI, MASAKI, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. In vitro DNA-directed synthesis of neuronal protein (chicks).
- ROINS-10117-01 (NEUB) BIGNALL, KEITH E, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Ontogeny of neural control of bodily functions (chickens, rats).
- ROINS-10118-03 (NEUB) GIBL, STANLEY E, UNIVERSITY OF CALIFORNIA, DEP. OF NEUROLOGY, DAVIS, CALIF. Biochemistry of CNS development of thyroid insufficiency (rats).
- ROINS-10123-04 (PC) VANAMAN, THOMAS C, DUKE UNIVERSITY, POST OFFICE BOX 3020, DURHAM, N C. Brain specific proteins in nerve function (cattle, swine, rabbits).
- ROINS-10124-03 (PHRA) MITTAG, THOMAS W, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Drug effects on membrane-bound endplate cholinesterase (cats, rats, frogs).
- ROINS-10129-03 (NEUA) HAYWARD, JAMES N, UNIVERSITY OF CALIFORNIA, DEPT OF NEUROLOGY, LOS ANGELES, CALIF. Behavioral and electrical studies of the thalamus (monkeys).
- ROINS-10137-03 (NEUB) ULINSKI, PHILIP S, LOYOLA UNIVERSITY, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL. Upper and lower motoneurons (Boa constrictor).
- ROINS-10139-04 (NEUA) STEIN, MARVIN, MOUNT SINAI SCH OF MED, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Central nervous system in immune processes (guinea pigs).
- ROINS-10140-03 (CMS) BENNETT, MARVIN H, UNIVERSITY OF PITTSBURGH, DEPT OF SURGERY, PITTSBURGH, PA. Olfactory discrimination (rats).
- ROINS-10150-03 (EXP) NORGREN, RALPH E, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Neural systems of ingestive behavior (rats).
- ROINS-10154-03 (CMS) MILLER, ARTHUR J, UNIVERSITY OF ILLINOIS, 901 SO WOLCOTT, CHICAGO, ILL. Swallowing in the developing and mature nervous system (cats, primates).
- ROINS-10161-04 (NEUB) COGGESHALL, RICHARD E, UNIVERSITY OF TEXAS, 200 UNIVERSITY BLVD, GALVESTON, TEX. Individual neurons in a single nervous system (leeches).
- POINS-10162-03 (NSPA) EIDELBERG, EDUARDO, ST JOSEPH'S HOSP & MED CTR, 350 WEST THOMAS ROAD, PHOENIX, ARIZ. Management of spinal cord injury.
- POINS-10162-03 0001 (NSPA) EIDELBERG, EDUARDO. Management of spinal cord injury-Establishment of a clinical research center.
- POINS-10162-03 0002 (NSPA) EIDELBERG, EDUARDO. Management of spinal cord injury-Basic research program (human, cats, ferrets).
- ROINS-10163-03 (NSPA) OSTERHOLM, JEWELL L, HAHNEMANN MEDICAL COLL & HOSP, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Acute spinal cord injury center.
- ROINS-10163-03 0001 (NSPA) OSTERHOLM, JEWELL L. Acute spinal cord injury center-Norepinephrine metabolism in spinal cord injury-Hemorrhagic necrosis (cats).
- ROINS-10163-03 0002 (NSPA) OSTERHOLM, JEWELL L. Acute spinal cord injury center-Norepinephrine metabolism in spinal cord injury-Neurological deficits (cats).
- ROINS-10163-03 0003 (NSPA) OSTERHOLM, JEWELL L. Acute spinal cord injury center-Protection against necrosis by alpha methyl tyrosine (cats).
- ROINS-10163-03 0004 (NSPA) IRVIN, JOHN. Acute spinal cord injury center-Anatomic norepinephrine pathways (cats).
- ROINS-10163-03 0006 (NSPA) OSTERHOLM, JEWELL L. Acute spinal cord injury center-Enzymatic studies (cats).
- ROINS-10163-03 0007 (NSPA) OSTERHOLM, JEWELL L. Acute spinal cord injury center-Anti-norepinephrine treatment of severe spinal injuries (cats, monkeys).
- POINS-10164-02 (NSPA) RANSOHOFF, JOSEPH, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y. Regional spinal cord trauma center grant.
- POINS-10164-02 0001 (NSPA) RANSOHOFF, JOSEPH. Regional spinal cord trauma center grant-Clinical studies (human).
- POINS-10164-02 0002 (NSPA) RANSOHOFF, JOSEPH. Regional spinal cord trauma center grant-Epidemiological research (human).
- POINS-10164-02 0003 (NSPA) RANSOHOFF, JOSEPH. Regional spinal cord trauma center grant-Training in emergency care and transport (human).
- POINS-10164-02 0004 (NSPA) TICK, LEO. Regional spinal cord trauma center grant-Statistical analysis.
- POINS-10175-03 (NSPA) FENICHEL, GERALD M, VANDERBILT UNIVERSITY, 21ST AVENUE AT GARLAND, NASHVILLE, TENN. Neuromuscular disease research center.
- POINS-10175-03 0001 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Muscle enzyme and penicillamine studies-Animal research.
- POINS-10175-03 0002 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Muscle enzyme and penicillamine studies-Human research.
- POINS-10175-03 0003 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Myotonia-Serum lipoproteins (goats).
- POINS-10175-03 0004 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Myotonia-lipid, protein and fatty acid composition of SR (goats).
- POINS-10175-03 0005 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Myotonia-Cholesterol turnover time (goats).
- POINS-10175-03 0006 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Myotonia-Effect of cholesterol lowering drugs (goats).
- POINS-10175-03 0007 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Muscle fiber typing-Dorsal rhizotomy (cats).
- POINS-10175-03 0008 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Muscle fiber typing-Cerebral lesions (cats).
- POINS-10175-03 0009 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center-Reactivation rates of CHE for endplate and muscle (rats).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- POINS-10175-03 0010 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Cholinesterase inhibitor on membrane calcium transport in rat and skeletal muscle.
- POINS-10175-03 0011 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Acute effects of paraoxon on transmitter release (rats).
- POINS-10175-03 0012 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Myopathy secondary to excessive acetylcholine release (rats).
- POINS-10175-03 0013 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Histology of paraoxon-induced myopathy (rats).
- POINS-10175-03 0014 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Neostigmine and the sensitivity of rat diaphragm to d-Tubocurarine (dTC) (rats).
- POINS-10175-03 0015 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Neostigmine on acetylcholinesterase in skeletal muscle (rats).
- POINS-10175-03 0016 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Neostigmine in the treatment of Duchenne muscular dystrophy (human).
- POINS-10175-03 0017 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Study of Isaac's syndrome (human).
- POINS-10175-03 0018 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Theophylline on normal and denervated muscle (rats).
- POINS-10175-03 0019 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Effect of imidazole on normal muscle (rats).
- POINS-10175-03 0020 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Catecholamines-pargyline myopathy in rat.
- POINS-10175-03 0021 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Catecholamines-muscular dystrophy in humans.
- POINS-10175-03 0022 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Myotonia-isolation of sarcolemma and the sarcoplasmic reticulum (goats).
- POINS-10175-03 0023 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Myotonia-sialic acid composition of sarcoplasmic reticulum (goats).
- POINS-10175-03 0024 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Myotonia-calcium content and uptake by SR (goats).
- POINS-10175-03 0025 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Myotonia-DPNH oxidase studies (goats).
- POINS-10175-03 0026 (NSPA) FENICHEL, GERALD M. Neuromuscular disease research center—Myotonia-creatinine phosphokinase studies (goats).
- ROINS-10183-03 (NEUA) HUMPHREY, DONALD R, EMORY UNIVERSITY, DEPT OF PHYSIOLOGY, ATLANTA, GA. Cortical neuronal mechanisms of motor control (primates).
- ROINS-10184-03 (EDC) DETELS, ROGER, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. MS in American and Japanese migrants to Southern California and Seattle.
- ROINS-10193-03 (PHRA) GILMAN, ALFRED G, UNIVERSITY OF VIRGINIA, DEPT OF PHARMACOLOGY, CHARLOTTESVILLE, VA. Role of cyclic AMP and cyclic GMP in neurons and glia.
- ROINS-10195-15 (PHRA) FURCHGOTT, ROBERT F, STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. Factors influencing responses to adrenergic drugs (guinea pigs, rats, cats).
- ROINS-10197-03 (MCHA) WOLFE, JAMES F, VA POLYTECHNIC INST, DEPARTMENT OF CHEMISTRY, BLACKSBURG, VA. Synthesis of new CNS agents.
- ROINS-10198-02 (MCHA) BORCHARDT, DONALD T, UNIVERSITY OF KANSAS, 2095 AVENUE A, CAMPUS WEST, LAWRENCE, KANS. Structural analogs of S-adenosylmethionine.
- ROINS-10203-02 (MCHA) WITIAK, DONALD T, OHIO STATE UNIVERSITY, 500 WEST 12TH AVENUE, COLUMBUS, OHIO. Psychoactive, anticonvulsant, antiparkinson drugs (mice, guinea pigs, rats).
- ROINS-10206-02 (NEUB) MOLINOFF, PERRY B, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Dopamine-beta-hydroxylase and norepinephrine synthesis (rats).
- ROINS-10207-03 (NEUB) BETZ, WILLIAM J, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Neuromuscular synapse in cell culture (frogs, rats).
- ROINS-10214-03 (PHRA) GUTH, PAUL S, TULANE UNIV SCH OF MED, 1430 TULANE AVENUE, NEW ORLEANS, LA. Processing of acetylcholine by synaptic vesicles (guinea pigs).
- ROINS-10221-02 (MBY) PIERINGER, RONALD A, TEMPLE UNIVERSITY, 3420 N BROAD STREET, PHILADELPHIA, PA. Biochemical aspects of myelination (rats, mice).
- ROINS-10224-01 (NEUA) KENTON, BERNARD, CITY OF HOPE NATIONAL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Neurophysiological study of pain and somatic sensation (cat).
- ROINS-10229-03 (NEUB) BRADSHAW, RALPH A, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. Structure and function of nerve growth factor (chick embryo, mouse).
- ROINS-10233-06 (PHRA) PERKINS, JOHN P, UNIVERSITY OF COLORADO SCH MED, 4200 EAST NINTH AVENUE, DENVER, COLO. Regulation of cyclic AMP levels in brain (rats, tissue culture).
- ROINS-10234-03 (SSS) DILLER, LEONARD, INST OF REHAB MEDICINE, 400 EAST 34TH STREET, NEW YORK, N. Y. Functional skill remediation in brain damage.
- ROINS-10234-03 0001 (SSS) DILLER, LEONARD. Functional skill remediation in brain damage—An assessment therapy model for eye hand skills (human).
- ROINS-10234-03 0002 (SSS) DILLER, LEONARD. Functional skill remediation in brain damage—Remediation of untreated impairments (human).
- ROINS-10237-03 (MAB) DAY, EUGENE D, DUKE UNIVERSITY MED CTR, BOX 3045, DURHAM, N. C. Glial cell membranes and myelin (rodents, rabbits).
- ROINS-10238-03 (CMS) EVIATAR, LYDIA, BRONX-LEBANON HOSP CTR, 1650 GRAND CONCOURSE, BRONX, N. Y. Otoneurological evaluation of infants and children.
- ROINS-10244-03 (NEUB) WOOLSEY, THOMAS A, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. Structure of the somatosensory SI neocortex (bats, mice).
- ROINS-10247-01 (CMS) MINNIE, FRIED D, UNIVERSITY OF WASHINGTON, 107 PARRINGTON HALL DE-05, SEATTLE, WASH. Physiological dynamics during speech production (human).
- ROINS-10251-02 (SSS) PRICE, DONALD D, VIRGINIA COMMONWEALTH UNIV, DEPT OF PHYSIOLOGY, RICHMOND, VA. Central nervous system mechanisms subserving pain (cats, primates).
- ROINS-10259-03 (NEUB) BLACK, IRA B, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N. Y. Regulation of neuronal growth and development (mice, rats).
- ROINS-10260-02 (NEUB) WESTFALL, THOMAS C, UNIVERSTY OF VIRGINIA, DEPARTMENT OF PHARMACOLOGY, CHARLOTTESVILLE, VA. Role of cholinergic agents in adrenergic transmission (animals).
- ROINS-10262-03 (GMB) HAHN, THEODORE J, JEWISH HOSPITAL OF ST LOUIS, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. Anticonvulsant and psychoactive drug-induced osteomalacia (human, rats).
- ROINS-10265-02 (PTHA) WOODARD, JAMES C, UNIVERSITY OF FLORIDA, DEPARTMENT OF PATHOLOGY, GAINESVILLE, FLA. Familial ataxia (cats).
- ROINS-10263-03 (CMS) WOLPSON, ROBERT J, PRESBYTERIAN-UF OF PENNSYLVANIA, 51 NORTH 39TH STREET, PHILADELPHIA, PA. Chemistry and physiology of inner ear fluids (human, cats, dogs).
- ROINS-10270-01 (NEUA) SHILIN, JULIO L, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Molecular pharmacological correlates of behavior (fish).
- ROINS-10277-02 (NEUB) MAGLIBY, KARL L, UNIVERSITY OF MIAMI, PO BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Mechanisms of variable synaptic efficacy (frogs).
- ROINS-10278-03 (PC) WYKLE, ROBERT L, OAK RIDGE ASSOCIATED UNIV, P O BOX 117, OAK RIDGE, TENN. Enzymatic synthesis of plasmalogens in heart and brain (rats).
- ROINS-10284-02 (NEUB) WIMMER, RICHARD E, CITY OF HOPE NATL MED CENTER, 1500 E DUARTE RD, DUARTE, CALIF. Genetic variation in hippocampal structure and function (mice).
- ROINS-10287-19 (BIO) SALLACH, HENRY J, UNIV OF WISCONSIN MED SCH, 683 MEDICAL SCIENCES BLDG, MADISON, WIS. Metabolism of sarina and related compounds (rats, swine).
- ROINS-10294-03 (PHBA) RAFTERY, MICHAEL A, CALIFORNIA INST OF TECHNOLOGY, 1201 E CALIFORNIA BLVD, PASADENA, CALIF. Neurochemistry and kinetics of synaptic transmission.
- POINS-10299-03 (NSPA) ROBERTSON, J DAVID, DUKE UNIVERSITY MED CTR, DEPT OF ANATOMY, DURHAM, N. C. Biophysical and biochemical studies of cellular membranes.
- POINS-10299-03 0001 (NSPA) CORLESS, J M. Biophysical and biochemical studies of cellular membranes—X-ray diffraction studies of retinal rod outer segment membranes (frogs, fish).
- POINS-10299-03 0003 (NSPA) JAKOI, MAMMI. Biophysical and biochemical studies of cellular membranes—Membranes of the endocytic complex of ileal mucosal cells (rats).
- POINS-10299-03 0006 (NSPA) ROBERTSON, J DAVID. Biophysical and biochemical studies of cellular membranes—Protein-lipid interactions in model membrane systems.
- POINS-10299-03 0007 (NSPA) ROBERTSON, J DAVID. Biophysical and biochemical studies of cellular membranes—Histochemical studies of retinal rod outer segment membranes.
- POINS-10299-03 0008 (NSPA) CITTEE, L. Biophysical and biochemical studies of cellular membranes—Octopus central nervous system.
- POINS-10299-03 0015 (NSPA) COSTELLO, M J. Biophysical and biochemical studies of cellular membranes—Position sensitive proportional counter system for x-ray diffraction.
- POINS-10299-03 0017 (NSPA) VERGARA, J. Biophysical and biochemical studies of cellular membranes—Isolation of urinary bladder membrane subunits.
- POINS-10299-03 0018 (NSPA) COSTELLO, M J. Biophysical and biochemical studies of cellular membranes—Low temperatures and cryoprotective agents on myelin and retinal rod structure.
- POINS-10299-03 0019 (NSPA) COSTELLO, M J. Biophysical and biochemical studies of cellular membranes—Interaction of SDS with BSA.
- POINS-10299-03 0020 (NSPA) ZAMPIGHI, GUIDO A. Biophysical and biochemical studies of cellular membranes—Separation of gap junction membranes from the rat liver.
- POINS-10299-03 0021 (NSPA) LONGLEY, W. Biophysical and biochemical studies of cellular membranes—Development of rotating anode x-ray generator.
- POINS-10299-03 0022 (NSPA) ERICKSON, H P. Biophysical and biochemical studies of cellular membranes—Microtubule structure and assembly (swine).
- POINS-10299-03 0023 (NSPA) FLETCHER, WILLIAM H. Biophysical and biochemical studies of cellular membranes—Diversity of intercellular contacts in the rat ovary.
- POINS-10299-03 0024 (NSPA) FLETCHER, WILLIAM H. Biophysical and biochemical studies of cellular membranes—Septate-like junctions in the stratum granulosum and theca interna (rats).
- POINS-10299-03 0025 (NSPA) FLETCHER, WILLIAM H. Biophysical and biochemical studies of cellular membranes—Granulosa and luteal cells in monolayer culture (swine).
- POINS-10299-03 0026 (NSPA) BERKE, G. Biophysical and biochemical studies of cellular membranes—EM of membrane contract between Miller lymphocytes and target tumor cells.
- POINS-10299-03 0027 (NSPA) BANK, HARVEY. Biophysical and biochemical studies of cellular membranes—The survival of frozen rabbit embryos.
- ROINS-10384-02 (NEUA) SKINNER, ROBERT D, UNIVERSITY OF ARKANSAS, 4301 WEST MARKHAM, LITTLE ROCK, ARK. Spinal tract projections to ventral horn interneurons.
- ROINS-10309-02 (VR) SMITH, KENDALL O, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Masked and latent viruses in brain (human, monkeys).
- ROINS-10311-03 (PHY) BROOKS, VERNON B, UNIVERSITY OF WESTERN ONTARIO, DEPARTMENT OF PHYSIOLOGY, LONDON, ONTARIO N6A 3K7, CA. Cerebellar cerebral interactions (monkeys).
- ROINS-10312-01 (PHRA) GUTH, PAUL S, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Cochlear pharmacology—Neurotransmission.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- ROINS-10319-03 (NEUA) KUNO, MOTOY, UNIVERSITY OF NORTH CAROLINA, DEPT OF PHYSIOLOGY, CHAPEL HILL, N. C. Monosynaptic transmission in spiral neurons (cats).
- ROINS-10320-02 (PHY) VAN DER KLOOT, WILLIAM G, S U N Y - STONY BROOK, HEALTH SCIENCES CENTER, STONY BROOK, N. Y. Transmitter release by nerve terminals (frogs, crayfish).
- ROINS-10321-03 (NEUB) PERL, EDWARD R, UNIVERSITY OF NORTH CAROLINA, 236 MACMURDER BUILDING, CHAPEL HILL, N. C. Adequate stimuli for spinal and projection mechanisms (monkeys, cats).
- ROINS-10326-02 (NEUB) WOOD, JOE G, UNIVERSITY OF TEXAS, 6400 W CULLEN STREET, HOUSTON, TEX. Cytochemical investigations of adrenergic neurons (monkeys, rats).
- ROINS-10327-03 (PHY) TAYLOR, STUART R, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Stimulus-response coupling in contractile cells (frogs, crabs, protozoa).
- ROINS-10330-03 (NEUA) KANFER, JULIAN N, EUNICE KENNEDY SHRIVER CENTER, 200 TRAPELO ROAD, WALTHAM, MASS. Cerebral sphingolipids and phospholipid metabolism (animals).
- ROINS-10332-02 (NEUA) GABOR, ANDREW J, UNIVERSITY OF CALIFORNIA, DEPT OF NEUROLOGY, DAVIS, CALIF. Miniature postsynaptic potentials of epileptogenic cortex (monkeys, cats).
- ROINS-10336-03 (PHY) JOSEPHSON, ROBERT K, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Components controlling behavior (coelenterates, insects).
- ROINS-10338-03 (NEUB) PILAR, GUILLERMO R, UNIVERSITY OF CONNECTICUT, BIOLOGICAL SCIENCES GROUP, STORRS, CONN. Ganglionic synaptic transmission (birds).
- ROINS-10343-03 (NEUB) KOENIG, EDWARD, SUNY-AT BUFFALO, DEPT OF PHYSIOLOGY, BUFFALO, N. Y. Neurotrophic control of sarcolemmal molecular plasticity (rats).
- ROINS-10344-01 (NEUB) HOGAN, EDWARD L, UNIVERSITY OF NORTH CAROLINA, DEPT OF MEDICINE, CHAPEL HILL, N. C. Myelin constituents in murine leucodystrophy (mice).
- ROINS-10349-03 (PHY) ROSENTHAL, JEAN L, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Neurotrophic influence on muscle (rabbits).
- ROINS-10353-02 (CMS) WENZEL, BERNICE M, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PHYSIOLOGY, LOS ANGELES, CALIF. Olfactory projection field (birds).
- ROINS-10366-03 (NEUA) BOURKE, ROBERT S, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Mechanism of formation of cerebral cortical edema (primates).
- ROINS-10367-03 (PHY) HELLER, M CRAIG, STANFORD UNIVERSITY, DEPT OF BIOLOGICAL SCI, STANFORD, CALIF. CNS regulation of body temperature in heterotherms (birds).
- ROINS-10368-01 (NEUA) DUFFY, FRANK H, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Receptive field organization of somatosensory cortex (primates).
- ROINS-10371-02 (NEUB) LOEWY, ARTHUR D, MAYO FOUNDATION, 200 FIRST STREET SOUTH WEST, ROCHESTER, MINN. Degenerative and regenerative changes in CNS (cats).
- ROINS-10382-01 (NEUB) LAYZER, ROBERT B, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS AVENUES, SAN FRANCISCO, CALIF. Hereditary defects of muscle membrane composition (goats and rats).
- ROINS-10384-03 (PHRA) BOSENTHAL, MYRON, DUKE UNIVERSITY MEDICAL SCHOOL, DEPT OF PHYSIOL & PHARMAC, DURHAM, N. C. Drug actions on CNS metabolism (cats).
- ROINS-10385-01 (PHRA) COHEN, LOUIS, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Duchenne's muscular dystrophy—Therapy and basic studies (rabbits, human).
- ROINS-10389-03 (CMS) MILLER, INGLIS J, JR, WAKE FOREST UNIVERSITY, DEPARTMENT OF ANATOMY, WINSTON-SALEM, N. C. Ionic mechanisms of taste receptor interaction (rats).
- ROINS-10391-01 (NEUA) THUT, PAUL D, UNIVERSITY OF ARIZONA, DEPARTMENT OF PHARMACOLOGY, TUCSON, ARIZ. Effects of L-dopa on brain serotonin (mice).
- ROINS-10393-03 (PHRA) CHRIST, DARYL D, UNIVERSITY OF ARKANSAS MED CTR, 4301 WEST MARKHAM, LITTLE ROCK, ARK. General anesthetics and sympathetic ganglia.
- ROINS-10399-02 (CMS) STARR, ARNOLD, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, IRVINE, CALIF. Regulatory mechanisms in auditory perception (cats, monkeys).
- ROINS-10403-08 (MET) PETER, JAMES B, UNIVERSITY OF CALIFORNIA, 1000 VETERAN AVE, LOS ANGELES, CALIF. Studies of clinically early childhood dystrophy (human, guinea pigs).
- ROINS-10404-01 (CMS) ADAMS, WILLIAM B, PURDUE UNIVERSITY, SCH OF ELECTRICAL ENGINEERING, LAFAYETTE, IND. Auditory receptor mechanisms (moths).
- ROINS-10405-03 (CMS) SCOTT, THOMAS R, JR, UNIVERSITY OF DELAWARE, 220 WOLF HALL, NEWARK, DEL. Neural coding of taste-quality information (rats).
- ROINS-10409-01 (EXP) RABE, AUSMA, N J NEUROPSYCHIATRIC INSTITUTE, P O BOX 1000, PRINCETON, N. J. Behavioral role of the cerebellum (rats).
- ROINS-10410-01 (CMS) BENITZ, JAMIE T, WAYNE STATE UNIVERSITY, 540 EAST CANFIELD AVENUE, DETROIT, MICH. Effects of partial lesions in the vestibular system (cats).
- ROINS-10412-03 (CMS) SUZUKI, JUN-ICHI, TEIKYO UNIV SCHOOL OF MEDICINE, KAGA 2-11-1, ITABASHI-KU, TOKYO, JAPAN. Physiohistopathology of inner ear organs.
- ROINS-10412-03 0001 (CMS) SUZUKI, JUN-ICHI. Physiohistopathology of inner ear organs—Correlative studies of inner ear (animals).
- ROINS-10412-03 0002 (CMS) SUZUKI, JUN-ICHI. Physiohistopathology of inner ear organs—Histopathology of temporal bones (human).
- ROINS-10414-03 (CMS) MBRZENICH, MICHAEL M, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Organization of central auditory system (cats, monkeys).
- ROINS-10417-02 (NEUB) GRUBNER, RAPHAEL P, UNIV OF ARIZONA COLL OF MED, DEPARTMENT OF PHYSIOLOGY, TUCSON, ARIZ. Basic causes of nerve-muscle excitability dysfunction (human, rats, mice).
- ROINS-10420-03 (NEUA) ROSE, JAMES D, DARTMOUTH COLLEGE, DEPARTMENT OF PSYCHOLOGY, HANOVER, N. H. Electrophysiology of the genital sensory system (cats).
- ROINS-10423-01 (AFY) EDGERTON, V REGGIE, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Significance of muscle fiber types (guinea pigs, cats, bushbaby).
- ROINS-10424-01 (CMS) GAY, THOMAS, DEPT OF ORAL BIOLOGY, UNIVERSITY OF CONNECTICUT, FARMINGTON, CONN. Electromyographic-cinefluorographic studies of speech (human).
- ROINS-10427-02 (NEUA) HIRANO, ASAO, MONTEFIORE HOSP AND MED CTR, 111 EAST 210 STREET, BRONX, N. Y. Structure and biochemistry of cerebellum (mice).
- ROINS-10429-03 (CBY) BAMBURG, JAMES R, COLORADO STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, FORT COLLINS, COLO. Microtubule protein in the developing nervous system (chickens).
- ROINS-10434-03 (END) MOSS, ROBERT L, UNIV OF TEXAS SW MEDICAL SCHOO, 5323 HARRY HIMES BLVD, DALLAS, TEX. Neurohumoral events in cells ending in median eminence (rats).
- ROINS-10437-03 (NEUA) JUNGALWALA, FROZE B, EUNICE KENNEDY SHRIVER CTR, 200 TRAPELO ROAD, WALTHAM, MASS. Assembly of cerebral myelin membranes (rats).
- ROINS-10442-03 (MET) SHAM, SHANTHAL N, SONOMA STATE HOSPITAL, ELDRIDGE, CALIF. Defective myelination—Role of lipid metabolism (rats).
- ROINS-10447-03 (CBY) SMITH, DAVID S, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Structure and function in excitable cells (arthropods, lampreys).
- ROINS-10448-03 (CMS) ARENBERG, IRVING K, WASHINGTON UNIVERSITY, 517 S EUCLID AVENUE, ST LOUIS, MO. Meniere's disease—Surgery for conservation of hearing (human).
- ROINS-10454-03 (NEUB) LARRAMENDI, L M, DEPT OF ANATOMY, 1025 E 57TH STREET, CHICAGO, ILL. Electron microscopic studies of synaptogenesis (mice, frogs).
- ROINS-10457-03 (NEUB) NAKAJIMA, YASUKO, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCI, LAFAYETTE, IND. Ultrastructure and function of nerve and muscle (crayfish).
- ROINS-10459-03 (NEUB) WURTMAN, RICHARD J, MASS INST OF TECHNOLOGY, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Psychotropic mechanisms of catechol amino acids (rats, mice).
- ROINS-10460-01 (NEUB) ISHIKAWA, KOICHI, CITY OF HOPE NATL MEDICAL CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Neurophysiology of excitable cells in vitro.
- ROINS-10464-03 (EXP) CHAMBERS, WILLIAM W, UNIVERSITY OF PENNSYLVANIA, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA. Role of central feedback mechanisms in skilled acts (monkeys).
- ROINS-10465-01 (NEUB) GUARNIERI, MICHAEL, JOHNS HOPKINS MEDICAL SCHOOL, 601 NORTH BROADWAY, BALTIMORE, MD. Comparison of myelin and oligodendrocyte membrane (rats, cattle).
- ROINS-10468-03 (CDR) SCHIEFELBUSCH, RICHARD L, UNIVERSITY OF KANSAS, BUREAU OF CHILD RESEARCH, LAWRENCE, KANS. The perception of speech events.
- ROINS-10468-03 0001 (CDR) SCHIEFELBUSCH, R L. The perception of speech events—Studies in audition (human).
- ROINS-10468-03 0002 (CDR) SCHIEFELBUSCH, R L. The perception of speech events—Articulation (children).
- ROINS-10468-03 0003 (CDR) SCHIEFELBUSCH, R L. The perception of speech events—Language (children).
- ROINS-10468-03 0004 (CDR) SCHIEFELBUSCH, R L. The perception of speech events—Voice (human, dogs).
- ROINS-10469-02 (NEUA) FEENEY, DENNIS M, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF PSYCHOLOGY, ALBUQUERQUE, N. MEX. Regulation of synchronous neuronal discharge (cats).
- ROINS-10471-02 (COM) YEAGER, CHARLES L, LANGLEY PORTER NEUROPSYCH INST, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Small computer facility.
- ROINS-10473-03 (PTHA) MOSER, HUGO W, E K SHRIVER CTR/MNLT RETARD, I, 200 TRAPELO ROAD, WALTHAM, MASS. Brain lipids in diffuse demyelinating disease.
- ROINS-10473-03 0001 (PTHA) DULANEY, JOHN T. Brain lipids in diffuse demyelinating disease—Mechromatic leukodystrophy in multiple sulfatase deficiency (human).
- ROINS-10473-03 0002 (PTHA) IWAMORI, MASAO. Brain lipids in diffuse demyelinating disease—Enzymatic studies of Farber's lipogranulomatosis—Coramidase assay (human).
- ROINS-10473-03 0003 (PTHA) MOSER, HUGO W. Brain lipids in diffuse demyelinating disease—Cholestanol metabolism and cerebrotendinous xanthomatosis (human, rats).
- ROINS-10473-03 0004 (PTHA) MOSER, HUGO W. Brain lipids in diffuse demyelinating disease—Lafora body form of myoclonus epilepsy skin fibroblast culture (human).
- ROINS-10473-03 0005 (PTHA) MOSER, HUGO W. Brain lipids in diffuse demyelinating disease—Effect of leukapheresis and plasma infusion in mucopolysaccharidoses (human).
- ROINS-10474-01 (CMS) BOTHENBERG, MARTIN, SYRACUSE UNIVERSITY, LINK HALL, SYRACUSE, N. Y. Tactile perception of speech (human).
- ROINS-10478-02 (NEUA) ISAAC, LAWRENCE, UNIVERSITY OF ILLINOIS, POST OFFICE BOX 6998, CHICAGO, ILL. Convulsive states and brain monoamine metabolism (cats).
- ROINS-10482-03 (CMS) GALAMBOS, ROBERT, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Studies of the auditory system (human, cats).
- ROINS-10484-03 (MCHA) DAVES, G DOYLE, JR, OREGON GRADUATE CENTER, 19600 N W WALKER ROAD, BEAVERTON, OREG. Toxins causing paralytic noninflammatory neuropathy (Karwinski).
- ROINS-10485-03 (PHBA) MC LAUGHLIN, STUART G, DEPT OF PHYSIOLOGY & BIOPHYS, STATE UNIVERSITY OF NEW YORK, STONY BROOK, N. Y. Local anesthetics, nerves and bilayers.
- ROINS-10488-02 (NEUB) MC ELLIGOTT, JAMES G, TEMPLE UNIVERSITY, 3420 N BROAD STREET, PHILADELPHIA, PA. Cerebellar neuronal activity and motor behavior (cats).
- ROINS-10489-03 (BBCA) WAGGONER, ALAN S, AMHERST COLLEGE, DEPARTMENT OF CHEMISTRY, AMHERST, MASS. Nerve excitation—Molecular mechanisms (squid).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1NS-10490-01 (BIO) BUBLITZ, CLARK, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Metabolism of cAMP in brain (human).	RO1NS-10577-02 0007 (EXP) BERMAN, MARLENE O. Normal and pathological human brain function—Tachistoscopic recognition of music symbols.
RO1NS-10492-03 (NEUB) STEVENS, CHARLES F, UNIVERSITY OF WASHINGTON, DEPT OF PHYSIOLOGY & BIOPHY, SEATTLE, WASH. Computer analysis of neuron structure and function (frogs).	RO1NS-10577-02 0008 (EXP) BERMAN, MARLENE O. Normal and pathological human brain function—Effects of brain damage on processing speech sounds in two languages.
RO1NS-10497-02 (NEUB) EDGERTON, V REGGIE, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Neuromuscular junction in slow and fast muscles (guinea pigs).	RO1NS-10577-02 0009 (EXP) BERMAN, MARLENE O. Normal and pathological human brain function—Short and long-term memory in brain disorders.
RO1NS-10500-02 (PHY) SHBAAGER, PETER O, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Biochemical probes of excitable membranes (crayfish).	RO1NS-10578-01 (NEUA) PORCHER, WILLIAM J, TULANE UNIVERSITY, 1430 TULANE AVE, NEW ORLEANS, LA. Regulation of enzyme development in neurons (rats).
RO1NS-10507-02 (NEUB) SOMJEN, GEORGE G, DUKE UNIVERSITY, DURHAM, N C. Visual discrimination and receptive fields of neurons (tree shrews).	RO1NS-10579-02 (NEUA) STELZNER, DENNIS J, S U N Y-UPSTATE MEDICAL CENTER, 766 IRVING AVENUE, SYRACUSE, N Y. Development of synaptic knobs and behavior (rats).
RO1NS-10508-03 (NEUB) JOHNSON, JEFFERY L, UNIVERSITY OF SOUTH DAKOTA, DEPT OF PHYSIOL & PHARMACOL, VERMILLION, S DAK. Glutamate pools in the dorsal sensory neuron (cats).	RO1NS-10580-01 (NEUB) PRICE, DONALD L, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Studies of chromatolysis and axonal regeneration (frogs).
RO1NS-10509-03 (NEUB) STRETTON, ANTONY O, UNIVERSITY OF WISCONSIN, 1117 WEST JOHNSON STREET, MADISON, WIS. Functional analysis of the nervous system (helminths).	RO1NS-10582-02 (CBY) FINE, RICHARD E, BOSTON UNIVERSITY, 80 E CONCORD ST, BOSTON, MASS. Actin and other filaments in the growing neuron (chickens, rats).
RO1NS-10513-01 (BBCA) STARZAK, MICHAEL E, S U N Y AT BINGHAMTON, DEPARTMENT OF CHEMISTRY, BINGHAMTON, N Y. Modulated phase fluorometry for nerve ionic effects (squid).	RO1NS-10590-02 (VR) KEMPE, C HENRY, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Relationship of multiple sclerosis and vaccinia (human).
RO1NS-10522-02 (SSS) KOHUT, ROBERT I, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Vestibular and auditory function of the sacculus (cats, human).	RO1NS-10597-02 (PHRA) BECKMAN, ALEXANDER L, UNIVERSITY OF PENNSYLVANIA, DEPT OF PHYSIOLOGY, PHILADELPHIA, PA. Responses of thermosensitive cells to biogenic amines (rats, ground squirrels).
RO1NS-10526-02 (NEUA) JONES, EDWARD G, WASHINGTON UNIVERSITY, 660 S EUCLID AVENUE, ST LOUIS, MO. Synaptic relations in sensory systems (carnivores, monkeys).	RO1NS-10600-02 (END) HAFEZ, MOHAMMAD A, UNIVERSITY OF KENTUCKY, SCHOOL OF BIOLOGICAL SCI, LEXINGTON, KY. Role of pineal organ in brain function (fish).
RO1NS-10528-12 (MCHB) MANN, CHARLES K, FLORIDA STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, TALLAHASSEE, FLA. Anodic oxidation of biological amines.	RO1NS-10601-02 (EXP) DEUEL, RUTHMARY K, UNIVERSITY OF CHICAGO, 950 E 59TH ST, CHICAGO, ILL. Praxis-Role of intracortical pathways (monkeys).
RO1NS-10531-02 (NEUA) HICKS, SAMUEL P, UNIVERSITY OF MICHIGAN, DEPT OF PATHOLOGY, ANN ARBOR, MICH. Corticospinal tract in developing motor function (rats).	RO1NS-10602-01 (NEUB) HUFFMAN, RONALD D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. Chronic heavy metal toxicity and CNS biogenic amines (rats, monkeys).
RO1NS-10532-02 (CMS) SIMMONS, F BLAIR, STANFORD UNIVERSITY, STANFORD, CALIF. Development of a cochlear prosthesis (animals).	RO1NS-10603-01 (PHY) OMAND, ELIZABETH L, TEMPLE UNIVERSITY, 3223 N BROAD ST, PHILADELPHIA, PA. Sensory control of feeding (black blowfly).
RO1NS-10536-02 (NEUA) CHAN-PALAY, VICTORIA, HARVARD MEDICAL SCHOOL, 25 SHATTUCK ST, BOSTON, MASS. Organization of the striate cortex (monkeys).	RO1NS-10600-02 (CMS) ABRAMSON, MAXWELL, UNIVERSITY OF IOWA, DEPT OF OTOL AND MAXILL SURG, IOWA CITY, IOWA 52240. Pathogenesis and bone resorption in aural cholesteatoma (human, guinea pigs).
RO1NS-10541-03 (PC) DITTMER, JOHN C, MEMORIAL UNIV OF NEWFOUNDLAND, FACULTY OF MEDICINE, ST JOHNS, NEWFOUNDLAND, CAN. Biochemistry of lipids of brain and other tissues (rats).	RO1NS-10613-01 (NEUB) MC CLUER, ROBERT H, MUNCIE KENNEDY SHRIVER CTR, 200 TRAPELO ROAD, WALTHAM, MASS. Neuronal cell specificity of glycolipid patterns (mice).
RO1NS-10546-08 (BIO) FROMM, HERBERT J, IOWA STATE UNIVERSITY, DEPT OF BIOCHEMISTRY, AMES, IOWA. Brain and tumor phosphotransferases (cattle, mice).	RO1NS-10614-02 (NEUB) BARKER, DAVID L, UNIVERSITY OF OREGON, DEPT OF BIOLOGY, EUGENE, OREG. Neurochemistry of ganglion in culture (lobsters).
RO1NS-10551-08 (CMS) KIRCHNER, JOHN A, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Cancer of the larynx by serial sections (human).	RO1NS-10615-02 (CBY) OKUN, LAWRENCE M, UNIVERSITY OF UTAH, DEPT OF BIOLOGY, SALT LAKE CITY, UTAH. Biochemistry and physiology of neurons (mice, chickens).
RO1NS-10554-07 (NEUB) TWAROG, BETTY M, TUFTS UNIVERSITY, DEPARTMENT OF BIOLOGY, MEDFORD, MASS. Catch and mechanism of action of serotonin and dopamine (mollusks).	RO1NS-10616-02 (CMS) THURLOW, WILLARD R, UNIVERSITY OF WISCONSIN, CHARTER AT JOHNSON ST, MADISON, WIS. Sound localization (human).
RO1NS-10558-01 (PHRA) SMITH, CHARLES B, UNIVERSITY OF MICHIGAN, 6428 MEDICAL SCIENCES BLDG I, ANN ARBOR, MICH. Psychotropic drugs and biogenic amines (mice, rats, guinea pigs).	RO1NS-10617-01 (CMS) MOULTON, DAVID G, HOWELL CHEMICAL SENSES CENTER, 3500 MARKET STREET, PHILADELPHIA, PA. Olfactory physiology (rabbit, opossum).
RO1NS-10559-02 (CBY) UZMAN, BETTY G, SPARKS REGIONAL MEDICAL CTR, 1311 SOUTH EYE STREET, FORT SMITH, ARK. Myelin sheath structure (mice, rats, chicks).	RO1NS-10618-02 (NEUA) CUTLER, ROBERT W, UNIVERSITY OF CHICAGO HOSPITAL, 950 EAST 59TH ST, CHICAGO, ILL. Mechanisms of neurotransmitter release (rats).
RO1NS-10560-01 (CMS) CAPPS, MARY J, DEPT OF OTOLARYNGOLOGY, 2630 UNIVERSITY AVENUE, S E, MINNEAPOLIS, MINN. Sinusoidal acceleration. A test of vestibular function (human, cats).	RO1NS-10622-02 (NEUB) WU, JANG-YEN, CITY OF HOPE NATIONAL MED CTR, 1500 E DUARTE ROAD, DUARTE, CALIF. Neuronal and glial glutamate decarboxylases (mice, calves).
RO1NS-10561-01 (CMS) NELSON, DAVID A, UNIVERSITY OF MINNESOTA, 2630 UNIVERSITY AVENUE, S E, MINNEAPOLIS, MINN. Auditory imperception of complex acoustic signals (human).	RO1NS-10627-01 (COM) WIGHTMAN, FREDERIC L, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Pitch perception as auditory pattern-recognition.
RO1NS-10565-01 (NEUA) DELLMANN, HORST-DIETER, UNIVERSITY OF MISSOURI, 125 CONNWAY HALL, COLUMBIA, MO. Pars intermedia rostral zone and ACTH secretion (rats).	RO1NS-10628-02 (COM) NAKA, KEN-ICHI, CALIFORNIA INST OF TECHNOLOGY, 1201 E CALIFORNIA STREET, PASADENA, CALIF. Computer based analysis of histological data.
RO1NS-10567-02 (NEUA) SCHIBBEL, ARNOLD B, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Structurofunctional studies of neuropil modules (cats).	RO1NS-10629-02 (COM) SELVERSTON, ALLEN I, UNIVERSITY OF CALIFORNIA, P O BOX, LA JOLLA, CALIF. Interactive computer graphic.
RO1NS-10571-02 (MET) GOLDBERG, ALFRED L, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Mechanisms of growth and atrophy of skeletal muscle (r).	RO1NS-10638-02 (MBY) PODLESKI, THOMAS R, CORNELL UNIVERSITY, LANGMUIR LABORATORY, ITHACA, N Y. Molecular control of excitability of muscle membrane (mice).
RO1NS-10575-01 (EXP) RUDEL, RITA G, NEUROLOGICAL INSTITUTE, 710 W 168 STREET, NEW YORK, N Y. Neuropsychological study of children with brain damage.	RO1NS-10647-01 (EXP) PATTERSON, MICHAEL M, KIRKSVILLE COLL OF OSTEOPATHIC, DEPARTMENT OF PHYSIOLOGY, KIRKSVILLE, MO. Studies of spinal response plasticity (cat).
RO1NS-10576-01 (EXP) KEATING, E GREGORY, STATE UNIVERSITY OF NEW YORK, 750 EAST ADAMS STREET, SYRACUSE, N Y. Deficits and recovery from neocortical disconnection (monkeys, human).	RO1NS-10648-02 (PTHA) KIM, SEUNG U, UNIVERSITY OF PENNSYLVANIA, 447 JOHNSON PAVILION, PHILADELPHIA, PA. Experimental neuropathology in tissue culture.
RO1NS-10577-02 (EXP) BERMAN, MARLENE O, VETERANS ADMINISTRATION HOSP, 150 SO HUNTINGTON AVE, BOSTON, MASS. Normal and pathological human brain function.	RO1NS-10654-01 (CMS) SUSSMAN, HARVEY M, DEPT OF LINGUISTICS, UNIVERSITY OF TEXAS, AUSTIN, TEX. Dynamic properties of speech sensorimotor systems (human).
RO1NS-10577-02 0001 (EXP) BERMAN, MARLENE OSCAR. Normal and pathological human brain function—Peripherical indicators of cerebral lateralization (human).	RO1NS-10655-02 (END) MARKS, BERNARD H, MEDICAL SCIENCE BUILDING 5196, 370 W 9TH AVENUE, COLUMBUS, OHIO. Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits).
RO1NS-10577-02 0002 (EXP) BERMAN, MARLENE OSCAR. Normal and pathological human brain function—Memory aid on hypothesis behavior and focusing in Huntington's chorea (human).	RO1NS-10656-02 (CPR) LANYON, RICHARD I, NORTHEASTERN UNIVERSITY, DEPT OF PSYCHOLOGY, BOSTON, MASS. Stuttering—Behavior modification and biofeedback.
RO1NS-10577-02 0003 (EXP) BERMAN, MARLENE OSCAR. Normal and pathological human brain function—Perceptual laterality and visual recognition in Korsakoff's syndrome (human).	RO1NS-10657-01 (NEUA) PYSH, JOSEPH J, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Undernutrition and synapse development (mice).
RO1NS-10577-02 0004 (EXP) BERMAN, MARLENE OSCAR. Normal and pathological human brain function—Recovery of function after serial removal of visual association cortex (monkeys).	RO1NS-10662-01 (CBY) MORAN, DAVID T, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. Microtubules in sensory transduction and development (cockroaches).
RO1NS-10577-02 0005 (EXP) BERMAN, MARLENE O. Normal and pathological human brain function—Dichotic ear-order effects with nonverbal stimuli (human).	RO1NS-10665-02 (MBY) ROELOFS, ROBERT I, VANDERBILT UNIVERSITY, DEPARTMENT OF NEUROLOGY, NASHVILLE, TENN. Human skeletal muscle in tissue culture.
RO1NS-10577-02 0006 (EXP) BERMAN, MARLENE O. Normal and pathological human brain function—Focusing behavior during concept formation by amnesic Korsakoff patients.	RO1NS-10666-02 (NEUB) LANDMESSER, LYNN T, YALE UNIVERSITY, BIOLOGY DEPARTMENT, NEW HAVEN, CONN. Developmental and trophic neural interactions (chick embryo, frogs).

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(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- R01NS-10678-02 (COM) CLARKE, DONALD D, FORDHAM UNIVERSITY, CHEMISTRY DEPARTMENT, BRONX, N Y. Computer simulation of brain metabolism.
- R01NS-10677-02 (NEUB) BLANKENSHIP, JAMES E, UNIVERSITY OF TEXAS MED BRANCH, 200 UNIVERSITY BOULEVARD, GALVESTON, TEX. Cholinomimetic compounds in digestive gland (mollusks).
- R01NS-10681-02 (BBCB) BEAR, RICHARD S, UNIVERSITY OF NORTH CAROLINA, ROOM 432, SWING BUILDING, CHAPEL HILL, N C. Structural neuroanatomy of myelin (human, fish, earthworm, shrimp, mice).
- R01NS-10698-01 (PC) WENGER, DAVID A, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Beta-galactosidase isoenzymes (human).
- R01NS-10704-01 (NEUB) COUCH, JAMES R, JR, UNIVERSITY OF KANSAS, RAINBOW BLVD AT 39TH STREET, KANSAS CITY, KANS. Investigation of the pharmacology of Raphe neurons (rats).
- R01NS-10705-02 (PHY) ASANUMA, HIROSHI, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N Y. Cerebral cortical control of movement (cats, monkeys).
- R01NS-10709-01 (CBY) SEEDS, NICHOLAS W, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. GTP and tubulin structure (sheep).
- R01NS-10711-02 (GEN) CAVALLI-SPORZA, LUIGI L, STANFORD UNIVERSITY, DEPARTMENT OF GENETICS, STANFORD, CALIF. Genetic study of metabolism of neural transmitters (human, mice).
- R01NS-10712-02 (MCHA) NELSON, KENNETH F, UNIVERSITY OF WYOMING, SCHOOL OF PHARMACY, LARAMIE, WYO. Synthesis and biology of some analgesics.
- R01NS-10714-02 (NEUB) GARBER, BEATRICE B, UNIVERSITY OF CHICAGO, 1103 E 57TH STREET, CHICAGO, ILL. Neural cell recognition factors in brain histogenesis.
- R01NS-10716-01 (AFY) CARROW, REXFORD E, MICHIGAN STATE UNIVERSITY, 2748 GLTNER HALL, EAST LANSING, MICH. Muscular dystrophy—Alterations mediated by exercise (hamsters).
- R01NS-10720-01 (NEUB) COLEMAN, MARY P, ST JOSEPH HOSPITAL, RESEARCH INSTITUTE, LANCASTER, PA. Investigations of vitamin B6 in Down's syndrome (human).
- R01NS-10721-02 (MAB) MC FARLIN, DALE E, GLENN MEMORIAL BUILDING, 69 BUTLER STREET, ATLANTA, GA. Immune function in EAE and multiple sclerosis (human, rats).
- R01NS-10722-01 (BIO) GOLD, ALLEN M, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Calcium transport in the sarcoplasmic reticulum (rabbits).
- R01NS-10726-02 (NEUA) STERMAN, MAURICE B, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Effects of sensorimotor EEG conditioning on epilepsy (human, cats).
- P01NS-10727-02 (NSPA) DEMENT, WILLIAM C, STANFORD UNIVERSITY, STANFORD, CALIF. The pathologies of sleep—A clinical program.
- P01NS-10727-02 0001 (NSPA) DEMENT, WILLIAM C. The pathologies of sleep—A clinical program—Development and evaluation of diagnostic procedures in sleep disorders (human).
- P01NS-10727-02 0002 (NSPA) DEMENT, WILLIAM C. The pathologies of sleep—A clinical program—Experimental studies in animals (cats).
- P01NS-10727-02 0003 (NSPA) DEMENT, WILLIAM C. The pathologies of sleep—A clinical program—Circadian rhythms (human).
- R01NS-10741-02 (MET) KISHIMOTO, YASUO, EUNICE KENNEDY SHRYVER CTR, 200 TRAPELO ROAD, WALTHAM, MASS. Brain 2-hydroxy fatty acid metabolism and myelination (rats).
- R01NS-10757-03 (EXP) KUPPERMANN, IRVING, PUBLIC HEALTH RESEARCH INST, 455 FIRST AVENUE, NEW YORK, N Y. Behavioral and neural analysis of learning (Aplysia).
- R01NS-10759-02 (NEUB) WHITSEL, BARRY L, UNIVERSITY OF NORTH CAROLINA, DEPT OF PHYSIOLOGY, CHAPEL HILL, N C. Determinants of somatic sensory neuronal responses (monkeys).
- R01NS-10763-06 (MET) SPRITZ, NORTON, NEW YORK V A HOSPITAL, 408 FIRST AVENUE, NEW YORK, N Y. Myelin synthesis in normals and diabetics (mice, human, dog, cat, rabbit, rat).
- R13NS-10767-02 (NSS) WHISNANT, JACK P, MAYO CLINIC, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Ninth Princeton conference on cerebrovascular disease.
- R01NS-10768-02 (EXP) ROUTTENBERG, ARYEH, NORTHWESTERN UNIVERSITY, DEPT OF PSYCHOLOGY, EVANSTON, ILL. Subformal organ control of drinking behavior (rodents, rabbits).
- R01NS-10777-02 (NEUA) KELLOGG, CAROL, UNIVERSITY OF ROCHESTER, DEPT OF PSYCHOLOGY, ROCHESTER, N Y. Development of brain monoamines and seizures (mice, rats).
- R01NS-10781-01 (COM) MACGREGOR, RONALD J, UNIVERSITY OF COLORADO, ENGR DESIGN & ECONOMIC EVAL, BOULDER, COLO. Models of neural networks.
- R01NS-10783-03 (AFY) GRIGG, PETER, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Segmental reflexes mediated by joint afferent neurons (cats).
- R01NS-10787-01 (CMS) JERGER, JAMES F, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVE, HOUSTON, TEX. The stapedius reflex as an index of hearing loss.
- R01NS-10792-02 (NEUB) DENNIS, MICHAEL J, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY, RM S-762, SAN FRANCISCO, CALIF. Physiology of synapses developing in vivo (salamanders).
- R01NS-10797-01 (CMS) MOUSHIGIAN, GEORGE, CALLIER HEARING & SPEECH CTR, 1966 INWOOD ROAD, DALLAS, TEX. Magnetically coupled drive of ear (human, rats).
- R01NS-10799-01 (NEUA) WEST, CHARLES R, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. Cerebral cortical edema in arteriovascular stroke (primates).
- R01NS-10802-01 (NEUB) MEAD, JAMES F, UNIVERSITY OF CALIFORNIA, 900 VETERAN AVENUE, LOS ANGELES, CALIF. Hydroxylation of long chain fatty acids of brain (rats).
- R01NS-10803-03 (PTHA) SUZUKI, KINUKO, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N Y. Experimental pathology of developing nervous system (rodents).
- R01NS-10804-02 (NEUA) ANDERSON, MARJORIE E, UNIVERSITY OF WASHINGTON, CCB14 UNIVERSITY HOSP RJ-30, SEATTLE, WASH. Neurophysiological studies of the basal ganglia (monkeys).
- R01NS-10805-01 (NEUA) FISCHER, EDWIN G, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Impairment of cerebral perfusion following ischemia (rabbits).
- R01NS-10806-01 (CMS) MOSKOWITZ, NORMAN, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA. Connections of auditory cortex (monkeys).
- R01NS-10813-02 (CBY) HAHN, WILLIAM E, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Genetic transcription in the mammalian brain (mice, monkeys).
- R01NS-10814-01 (NEUB) NORD, SAMUEL G, S U N Y - UPSTATE MEDICAL CTR, 750 EAST ADAMS STREET, SYRACUSE, N Y. Bulbar trigeminal pain mechanisms (monkey).
- R01NS-10819-01 (EXP) CORNWELL, PAUL R, PENNSYLVANIA STATE UNIVERSITY, ANIMAL BEHAVIOR RESEARCH LAB, UNIVERSITY PARK, PA. Neonatal brain damage and vision (cats).
- R01NS-10821-02 (NEUA) DE VRIES, GEORGE H, VIRGINIA COMMONWEALTH UNIV, 1200 EAST BROAD STREET, RICHMOND, VA. Chemistry and metabolism of CNS myelin-free zones (cattle, rat).
- R01NS-10823-02 (PHRA) NARAHASHI, TOSHIO, DUKE UNIVERSITY, DEPT OF PHYSIOLOGY & PHARM, DURHAM, N C. Cellular neuropharmacology of drug action.
- R01NS-10825-01 (PHY) MURPHEY, RODNEY K, UNIVERSITY OF IOWA, DEPT OF ZOOLOGY, IOWA CITY, IOWA. Growth of identified neurons—Effect of deprivation.
- P01NS-10828-01 (NSPA) TAVERAS, JUAN M, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS. An interdepartmental stroke program.
- P01NS-10828-01 0001 (NSPA) HOOP, BERNARD, JR. An interdepartmental stroke program—Cerebral hemodynamics and metabolism using radionuclides (human).
- P01NS-10828-01 0002 (NSPA) WEBSTER, EDWARD W. An interdepartmental stroke program—Cerebral blood flow by stimulated X-ray fluorescence (dogs).
- P01NS-10828-01 0003 (NSPA) TAVERAS, JUAN M. An interdepartmental stroke program—Cerebral hemodynamics using an animal model (cats, monkeys).
- P01NS-10828-01 0004 (NSPA) ACKERMAN, ROBERT. An interdepartmental stroke program—Cerebrovascular carbon dioxide reactivity to blood pressure and flow values.
- P01NS-10828-01 0005 (NSPA) BIEBUYCK, JULIEN. An interdepartmental stroke program—Neurochemical changes accompanying alterations in cerebral circulation (animals).
- P01NS-10828-01 0006 (NSPA) TAVERAS, JUAN M. An interdepartmental stroke program—Evaluation of cerebral angiographic techniques (human).
- P01NS-10828-01 0007 (NSPA) ALPERT, NATHANIEL. An interdepartmental stroke program—Cerebral circulation studies with radionuclides (human, dogs).
- P01NS-10828-01 0008 (NSPA) NEW, PAUL F J. An interdepartmental stroke program—Computerized axial tomography in the investigation of stroke (human, monkeys).
- P01NS-10828-01 0009 (NSPA) MOHR, JAY P. An interdepartmental stroke program—Stroke unit.
- P01NS-10828-01 0010 (NSPA) POSKANZER, DAVID C. An interdepartmental stroke program—Epidemiology (human).
- P01NS-10828-01 0011 (NSPA) OJEMANN, ROBERT G. An interdepartmental stroke program—Blood flow studies on patients with symptomatic cerebrovascular problems.
- P01NS-10828-01 0012 (NSPA) POSKANZER, DAVID C. An interdepartmental stroke program—Detection of cerebral vascular abnormalities in asymptomatic patients.
- P01NS-10828-01 0013 (NSPA) MOHR, JAY P. An interdepartmental stroke program—Behavioral deficits in stroke patients.
- P01NS-10828-01 0014 (NSPA) CROWELL, ROBERT M. An interdepartmental stroke program—Microsurgical cerebral revascularization (human, animals).
- P01NS-10828-01 0015 (NSPA) FISHER, C MILLER. An interdepartmental stroke program—Pathological studies (human).
- R01NS-10832-01 (NEUA) JOHNSON, ERNEST W, UNIVERSITY OF COLORADO, 4200 E 9TH AVENUE, DENVER, COLO. Tropic interactions at synapses (chickens).
- R01NS-10833-01 (NEUB) LORKOVIC, HRVOJE R, UNIVERSITY HOSPITALS, DEPARTMENT OF NEUROLOGY, IOWA CITY, IOWA. Analysis of changes in muscles caused by denervation (rat, guinea pig, and rabbit).
- R01NS-10837-01 (BBCB) WHITE, STEPHEN H, UNIVERSITY OF CALIFORNIA, DEPT OF PHYSIOLOGY, IRVINE, CALIF. Model studies of myelin stability.
- R01NS-10843-01 (CMS) OSMAN, IBI, BROOKLYN COLLEGE - C U N Y, BEDFORD AVE & AVENUE H, BROOKLYN, N Y. Detection and recognition in audition and vision.
- R01NS-10845-01 (MBY) ANELLO, EDWARD L, FORDHAM UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, BRONX, N Y. Physiology and pharmacology of ciliated epithelium (bivalve, frog, chick, rat).
- R01NS-10854-01 (CMS) ANDERSON, DAVID J, KRESGE HEARING RESEARCH INST, 1301 EAST ANN STREET, ANN ARBOR, MICH. Neurophysiology of single vestibular neurons (monkeys).
- R01NS-10857-01 (NEUB) HIENNEMAN, ELWOOD, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Organization of the motoneuron-pool and its inputs (cats).
- R01NS-10860-01 (END) STITH, REX D, UNIVERSITY OF OKLAHOMA, 800 NE 13TH ST, BOX 26901, OKLAHOMA CITY, OKLA. Biochemical responses of brain to hydrocortisone (swine).
- R01NS-10861-02 (MBY) PFEIFFER, STEVEN E, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF MICROBIOLOGY, FARMINGTON, CONN. Clonal lines of nervous system cells in tissue culture (human, rats).
- R01NS-10864-02 (NEUB) STENSAAS, LARRY J, UNIVERSITY OF UTAH, DEPARTMENT OF PHYSIOLOGY, SALT LAKE CITY, UTAH. Axon regeneration in the spinal cord (rats).
- R01NS-10865-02 (NEUA) WHITSEL, BARRY L, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Functional organization of the somatosensory cortex (primates).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1NS-10867-01 (CMS) SHUMRICK, DONALD A, UNIVERSITY OF CINCINNATI, CAMPUS STATION, CINCINNATI, OHIO. Construction of a larynx with alotissue (monkeys).	PO1NS-10920-02 0017 (NSPA) PRICE, DONALD L. Development and regeneration in the nervous system—The response of non-neuronal cells to axotomy (amphibians).
RO1NS-10873-02 (END) WADE, GEORGE N, UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF PSYCHOLOGY, AMHERST, MASS. Hormones, brain function and behavior (rats, hamsters, guinea pigs).	PO1NS-10920-02 0018 (NSPA) PRICE, DONALD L. Development and regeneration in the nervous system—Remyelination after experimental demyelination (mice).
RO1NS-10883-01 (NEUB) HURLBUT, WILLIAM P, ROCKEFELLER UNIVERSITY, 66TH STREET & YORK AVENUE, NEW YORK, N. Y. Transmitter release at the nerve-muscle junction (frogs).	RO1NS-10921-01 (NEUA) RADULOVACKI, MIODRAG, UNIVERSITY OF ILLINOIS, 901 S WOLCOTT AVE/P O BOX 6998, CHICAGO, ILL. Sleep, hypnotics and brain monoamine metabolism (cats).
RO1NS-10884-01 (PTHA) GRAHAM, WILLIAM P, 3D, MILTON S HERSHEY MEDICAL CTR, 500 UNIVERSITY DRIVE, HERSHEY, PA. Prevention of peripheral neuromas with triamcinolone (monkeys, human).	RO1NS-10922-01 (NEUA) KRAUTHAMER, GEORGE M, RUTGERS MEDICAL SCHOOL, BOX 101, DEPT OF ANATOMY, PISCATAWAY, N. J. Central mechanisms of visceral and somatic pain (cats).
RO1NS-10885-02 (NEUA) SUZUKI, KUNIHICO, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Chemical pathology of neurological disorders (human, dogs).	RO1NS-10928-01 (NEUA) BUTCHER, LARRY L, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Dopamine and an animal model of Parkinson's disease (rats).
RO1NS-10886-08 (PPR) HALPERN, LAWRENCE M, UNIV OF WASHINGTON SCH OF MED, DEPT OF PHARMACOLOGY SH-20, SEATTLE, WASH. Pharmacology of isolated cerebral cortex (human, cat, primates).	RO1NS-10931-01 (NEUB) LEDEEN, ROBERT W, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Brain glycolipids in MS and virus diseases (human, monkeys).
RO1NS-10896-01 (MCHB) ANGLER, DUJANE D, OHIO STATE UNIVERSITY, 500 WEST 12TH AVENUE, COLUMBUS, OHIO. Development of selective beta-adrenoreceptive agents.	PO1NS-10939-02 (NSPA) REVVICH, MARTIN, HOSPITAL-UNIV OF PENNSYLVANIA, 3600 SPRUCE STREET, PHILADELPHIA, PA. Cerebral blood flow and metabolism in stroke and shock.
RO1NS-10897-01 (PTHA) PENNEY, DAVID P, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Effects of chronic L-dopa therapy on adrenals and gut (rats, human).	PO1NS-10939-02 0001 (NSPA) REVVICH, MARTIN. Cerebral blood flow and metabolism in stroke and shock—Transient circulatory response to changes in arterial pCO ₂ (human, monkeys, cats).
RO1NS-10901-01 (EDC) FINLEY, KNOX H, INSTITUTE OF MEDICAL SCIENCES, 2340 CLAY STREET, SAN FRANCISCO, CALIF. Fetal infection with western encephalitis virus (human).	PO1NS-10939-02 0002 (NSPA) REVVICH, MARTIN. Cerebral blood flow and metabolism in stroke and shock—Regional cerebral blood flow and metabolism in acute stroke models in the baboon.
RO1NS-10903-01 (MCHB) COREY, JOYCE Y, UNIVERSITY OF MISSOURI, 8001 NATURAL BRIDGE ROAD, ST LOUIS, MO. Group IV analogs of amitriptyline and imipramine.	PO1NS-10939-02 0003 (NSPA) REVVICH, MARTIN. Cerebral blood flow and metabolism in stroke and shock—Autoradiographic determination of local glucose uptake (cats).
RO1NS-10906-01 (NEUB) RUBINSON, KALMAN, PUB HLTH RES INST NEW YORK INC, 455 FIRST AVENUE, NEW YORK, N. Y. Connections of identifiable neurons during maturation (lamprey).	PO1NS-10939-02 0004 (NSPA) REVVICH, MARTIN. Cerebral blood flow and metabolism in stroke and shock—Measurement of local cerebral blood flow and blood volume (dogs, monkeys).
RO1NS-10907-01 (CBY) BOSENBAUM, JOEL L, YALE UNIVERSITY, DEPARTMENT OF BIOLOGY, NEW HAVEN, CONN. Differentiation of nerve tumor cells in tissue culture (mice).	PO1NS-10939-02 0005 (NSPA) REVVICH, MARTIN. Cerebral blood flow and metabolism in stroke and shock—Diphosphoglycerate and hemoglobin-oxygen affinity on cerebral oxygenation.
RO1NS-10913-02 (PHRA) TREVOR, ANTHONY J, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PHARMACOLOGY, SAN FRANCISCO, CALIF. Pharmacology of purified brain acetyl-cholinesterase.	PO1NS-10939-02 0006 (NSPA) KOVACH, A G B. Cerebral blood flow and metabolism in stroke and shock—Cerebral blood flow and metabolism in hypoxia and shock (dogs, monkeys).
RO1NS-10916-01 (CMS) SIEBERT, WILLIAM M, MASSACHUSETTS INST OF TECH, ROOM 20B-231, CAMBRIDGE, MASS. Binaural hearing (human).	PO1NS-10939-02 0007 (NSPA) SILVER, IAN. Cerebral blood flow and metabolism in stroke and shock—Cellular hypoxia in shock and stroke (seals, rats).
RO1NS-10917-01 (COM) HARTH, ERICH, SYRACUSE UNIVERSITY, PHYSICS DEPARTMENT, SYRACUSE, N. Y. Dynamics in neural populations.	PO1NS-10939-02 0008 (NSPA) CHANCE, BRITTON. Cerebral blood flow and metabolism in stroke and shock—Methodology in the study of shock and stroke.
RO1NS-10918-01 (PHBA) BORCHARDT, RONALD T, UNIVERSITY OF KANSAS, 2095 AVENUE A, CAMPUS WEST, LAWRENCE, KANS. Inhibition of catechol-O-methyltransferase.	PO1NS-10940-02 (NSPB) ALFORD, BOBBY R, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Otophysiology and otopathology program project.
RO1NS-10919-02 (PHY) RIDGWAY, ELLIS B, MEDICAL COLLEGE OF VIRGINIA, P O BOX 608, RICHMOND, VA. Calcium movements during E-c coupling in muscle (barnacles).	PO1NS-10940-02 0001 (NSPB) ALFORD, BOBBY R. Otophysiology and otopathology program project—Audiology (human).
PO1NS-10920-02 (NSPA) MC KHANN, GUY M, JOHNS HOPKINS HOSPITAL, DEPARTMENT OF NEUROLOGY, BALTIMORE, MD. Development and regeneration in the nervous system.	PO1NS-10940-02 0002 (NSPB) ALFORD, BOBBY R. Otophysiology and otopathology program project—Human cochlear and vestibular function.
PO1NS-10920-02 0001 (NSPA) DRACHMAN, DANIEL B. Development and regeneration in the nervous system—Trophic effect of acetylcholine on developing muscle receptors (rat).	PO1NS-10940-02 0003 (NSPB) ALFORD, BOBBY R. Otophysiology and otopathology program project—Animal vestibular laboratory (monkeys, cats).
PO1NS-10920-02 0002 (NSPA) MCKHANN, GUY MEAD. Development and regeneration in the nervous system—Comparison of oligodendrocytes and myelin (calves, rats).	PO1NS-10940-02 0004 (NSPB) ALFORD, BOBBY R. Otophysiology and otopathology program project—Animal auditory function (behavioral psychoacoustics) laboratory (monkeys).
PO1NS-10920-02 0003 (NSPA) MCKHANN, GUY MEAD. Development and regeneration in the nervous system—Maturing oligodendrocytes in developing brain (rats).	PO1NS-10940-02 0005 (NSPB) ALFORD, BOBBY R. Otophysiology and otopathology program project—Morphology laboratory (human, monkeys).
PO1NS-10920-02 0004 (NSPA) MCKHANN, GUY MEAD. Development and regeneration in the nervous system—Alteration of myelin in culture (rats).	PO1NS-10940-02 0006 (NSPB) ALFORD, BOBBY R. Otophysiology and otopathology program project—Cellular biology or biochemistry (human).
PO1NS-10920-02 0005 (NSPA) MCKHANN, GUY MEAD. Development and regeneration in the nervous system—Development of neuronal cell body (rats, dogs).	RO1NS-10941-01 (CMS) SHEDD, DONALD P, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Road fistula speech following pharyngolaryngectomy (human).
PO1NS-10920-02 0006 (NSPA) MOLLIVER, MARK E. Development and regeneration in the nervous system—Development of forebrain circuitry in fetal life (human, dogs).	RO1NS-10943-02 (NEUA) COWAN, W MAXWELL, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. Neuronal specificity in the hippocampus (rats).
PO1NS-10920-02 0007 (NSPA) HEDREEN, JOHN C. Development and regeneration in the nervous system—Neurons whose terminals form the synaptic strata in developing cortex (dogs, lems).	RO1NS-10957-01 (NEUB) WILSON, BARRY W, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF AVIAN SCIENCES, DAVIS, CALIF. Ache nerve-muscle interactions and muscular dystrophy (chickens, chick embryo).
PO1NS-10920-02 0008 (NSPA) KONIGSMARK, BRUCE W. Development and regeneration in the nervous system—Development of auditory system in man (and animals).	RO1NS-10967-02 (NEUB) BAKER, HENRY J, UNIVERSITY OF ALABAMA, DEPT OF COMPARATIVE MEDICINE, BIRMINGHAM, ALA. Human gangliosidosis (cats).
PO1NS-10920-02 0009 (NSPA) HEENDON, ROBERT M. Development and regeneration in the nervous system—Cerebral malformations induced by bluetongue virus (animals).	RO1NS-10968-01 (NEUB) FERRENDELLI, JAMES A, WASHINGTON UNIVERSITY, 660 SOUTH EUCLID, ST LOUIS, MO. The role of cyclic GMP in nervous tissue (animals).
PO1NS-10920-02 0010 (NSPA) DRACHMAN, DANIEL B. Development and regeneration in the nervous system—Viral arthrogryposis multiplex congenital (chick embryo).	RO1NS-10969-01 (PTHA) KENNEDY, WILLIAM R, UNIVERSITY OF MINNESOTA, BOX 180, MAYO HOSPITAL, MINNEAPOLIS, MINN. Electron microscopy of human muscle spindles.
PO1NS-10920-02 0011 (NSPA) WEINER, LESLIE P. Development and regeneration in the nervous system—Fetal and mature CNS cells and their interaction with viruses (human, mice).	RO1NS-10970-02 (EXP) RANCK, JAMES B, JR, UNIVERSITY OF MICHIGAN, DEPARTMENT OF PHYSIOLOGY, ANN ARBOR, MICH. Limbic neurons (rats).
PO1NS-10920-02 0012 (NSPA) JOHNSON, RICHARD T. Development and regeneration in the nervous system—Development of resistance to encephalitis (mice).	RO1NS-10972-02 (NEUB) HEMMER, LEMNART, UNIVERSITY OF VIRGINIA, DEPARTMENT OF ANATOMY, CHARLOTTESVILLE, VA. Basal forebrain organization (rats, sharks).
PO1NS-10920-02 0013 (NSPA) HERNDON, ROBERT M. Development and regeneration in the nervous system—Disorders of cerebellar development (mice).	RO1NS-10973-02 (NEUA) EAGER, ROBERT P, UNIVERSITY OF CONNECTICUT, DEPT OF BIOBEHAVIORAL SCI, STORRS, CONN. Anatomy and physiology of cerebellar pathways (animals).
PO1NS-10920-02 0014 (NSPA) BENJAMINS, JOYCE A. Development and regeneration in the nervous system—Disorders of neuronal development (cats).	RO1NS-10975-07 (PPR) BRECKENRIDGE, BRUCE M, RUTGERS MEDICAL SCHOOL, POST BOX 101, PISCATAWAY, N. J. Cyclic AMP and metabolic control in the nervous system (mice, chicks).
PO1NS-10920-02 0015 (NSPA) PRICE, DONALD L. Development and regeneration in the nervous system—Studies of chromatolysis (frogs).	RO1NS-10976-01 (NEUA) YATSU, FRANK M, SAN FRANCISCO GENERAL HOSPITAL, 1001 POTRERO AVENUE ROOM 4521, SAN FRANCISCO, CALIF. Neurochemistry of brain ischemia (rabbits).
PO1NS-10920-02 0016 (NSPA) DRACHMAN, DANIEL B. Development and regeneration in the nervous system—Studies of axoplasmic transport (rats, frogs).	RO1NS-10977-02 (BBCB) ALLERHAND, ADAM, INDIANA UNIVERSITY, DEPARTMENT OF CHEMISTRY, BLOOMINGTON, IND. Carbon-13 NMR studies on dynamics of biological systems (human, chickens).

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- RO1NS-10978-02 (NEUA) RHOTON, ALBERT L, JR, UNIVERSITY OF FLORIDA, DEPARTMENT OF SURGERY, GAINESVILLE, FLA. Brain stem sensory connections (human, animals).
- PO1NS-10981-02 (NSPA) HOROWICZ, PAUL, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Control of activity in excitable tissues.
- PO1NS-10981-02 0001 (NSPA) FRANZINI-ARMSTRONG, CLARA. Control of activity in excitable tissues-Studies on internal muscle fiber membranes (spiders, frog, fish).
- PO1NS-10981-02 0002 (NSPA) ARMSTRONG, CLAY M. Control of activity in excitable tissues-Studies on gating phenomena in nerve (squid, crayfish).
- PO1NS-10981-02 0003 (NSPA) PERACCHIA, CAMILLO. Control of activity in excitable tissues-Chemical modification and ultrastructural changes in axon membranes (animals).
- PO1NS-10981-02 0004 (NSPA) PERACCHIA, CAMILLO. Control of activity in excitable tissues-Ultrastructure of excitable membranes (crayfish, turtles, rabbits).
- PO1NS-10981-02 0005 (NSPA) ARMSTRONG, CLAY M. Control of activity in excitable tissues-Studies on neuromuscular transmission (frogs).
- PO1NS-10981-02 0006 (NSPA) ARMSTRONG, CLAY M. Control of activity in excitable tissues-Conductance of single open sodium channel (lobsters).
- PO1NS-10981-02 0003 (NSPA) GONZALEZ-SERRATOS, HUGO. Control of activity in excitable tissues-Radial spread of activation in single muscle fibers (frogs).
- PO1NS-10981-02 0010 (NSPA) SCHNEIDER, MARTIN, F. Control of activity in excitable tissues-Extracellular volume and myoplasmic Ca ion concentration during activity (toads).
- PO1NS-10981-02 0011 (NSPA) CONNETT, RICHARD J. Control of activity in excitable tissues-Metabolic pathways in resting frog sartorius muscles.
- PO1NS-10981-02 0012 (NSPA) HOROWICZ, PAUL. Control of activity in excitable tissues-Extrinsic fluorescence in sartorius muscles (frogs).
- PO1NS-10981-02 0013 (NSPA) BEZANILLA, F. Control of activity in excitable tissues-Activation of contraction in single short muscle fibers (frogs).
- PO1NS-10981-02 0014 (NSPA) VENOSA, R A. Control of activity in excitable tissues-Sodium influx in sartorius muscles at rest and during activity.
- PO1NS-10981-02 0015 (NSPA) HAYS, E A. Control of activity in excitable tissues-Effect of catecholamine and related agents on Na-ion transport in muscle (frogs).
- PO1NS-10981-02 0016 (NSPA) FRANZINI-ARMSTRONG, CLARA. Control of activity in excitable tissues-Morphology of glycerol treated muscle fibers (frogs).
- RO1NS-10983-02 (BAD) HEMBURGER, ROBERT F, INTERSCIENCE RESEARCH INST, INDIANAPOLIS CTR FOR ADVAN RES, INDIANAPOLIS, IND 46207. Ultrasonic visualization assessment of brain trauma (monkeys).
- RO1NS-10987-02 (COM) AMASSIAN, VAME E, S U N Y-DOWNSTATE MEDICAL CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Physiological data processing and analysis.
- RO1NS-10990-01 (NEUB) HEDLEY-WHYTE, E TESSA, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Blood brain barrier (cats, mice).
- RO1NS-11080-01 (SSS) PEAKE, WILLIAM T, RES LABORATORY OF ELECTRONICS, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Signal transmission in the auditory system (cats, lizards).
- RO1NS-11002-01 (EXP) FINGER, STANLEY, WASHINGTON UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, ST LOUIS, MO. Serial surgery and tactile recovery of function (rats, raccoons).
- RO1NS-11006-02 (NEUA) NORTHCUTT, RICHARD O, UNIVERSITY OF MICHIGAN, DEPT OF ZOOLOGY, ANN ARBOR, MICH. Evolution of the telencephalon (amphibians, lungfish).
- RO1NS-11010-01 (NEUB) HILDEBRAND, JOHN G, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Neurobiology of insect development and metamorphosis (lipidoptera).
- RO1NS-11012-01 (EXP) WOLF, GEORGE, S U N Y-COLLEGE AT PURCHASE, PURCHASE, N Y. Neural mechanisms of a model drive system (rats).
- RO1NS-11014-01 (PHRA) WEINSHILBOUM, RICHARD M, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Dopamine-beta-hydroxylase-Neural release and metabolism (guinea pigs).
- RO1NS-11018-01 (PHRA) ORLOWSKI, MARIAN, MOUNT SINAI SCHOOL OF MEDICINE, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Gamma-glutamyl cycle, brain amino acid uptake and drugs (rats, mice).
- RO1NS-11019-01 (PHRA) HANCOCK, JOHN C, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. Action of amphetamine on cells of the brain.
- RO1NS-11022-02 (CMS) KENT, RAYMOND D, UNIVERSITY OF WISCONSIN, 1975 WILLOW DRIVE, MADISON, WIS. Cinefluorographic studies of dysarthric speech (human).
- RO1NS-11026-01 (NEUB) DE SANTIS, MARK E, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C. An analysis of reinnervated muscle spindles (cats).
- RO1NS-11027-01 (CBY) PATTERSON, PAUL H, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Cellular interaction in neuronal tissue culture.
- RO1NS-11028-01 (MCHB) SMITH, ROBERT V, UNIVERSITY OF IOWA, COLLEGE OF PHARMACY, IOWA CITY, IOWA. Metabolism of apomorphine and its analogs (animals).
- RO1NS-11042-01 (NEUA) MURPHY, MICHAEL G, ST LOUIS UNIVERSITY, 1325 SOUTH GRAND BOULEVARD, ST LOUIS, MO. Axoplasmic flow in cerebellar afferent systems (cats).
- RO1NS-11047-01 (NEUA) MENNINGER, RICHARD P, UNIVERSITY OF SOUTH FLORIDA, DEPARTMENT OF PHYSIOLOGY, TAMPA, FLA. Cardiovascular effects on hypothalamic unit (dogs).
- RO1NS-11048-01 (NEUA) BARKAI, AMIRAM I, NEW YORK STATE PSY INSTITUTE, 722 WEST 168TH STREET, NEW YORK, N Y. Sleep behavior and turnover of biogenic amines (monkeys).
- RO1NS-11050-02 (PHY) CSERR, HELEN F, BROWN UNIVERSITY, DIV OF BIOLOGICAL & MED SCIS, PROVIDENCE, R I. Functional significance of cerebrospinal fluid (hagfish, skate, sharks).
- RO1NS-11051-01 (PHRA) MILLS, ELLIOTT, DUKE UNIVERSITY, POST OFFICE BOX 3709, DURHAM, N C. Pharmacology of brainstem cardiovascular centers (cats).
- RO1NS-11053-01 (PHRA) JOHNSON, HOWARD L, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Nonmast cell histamine in the brain (rats).
- RO1NS-11055-02 (PHRA) MC ARDLE, JOSEPH J, COLL OF MED & DENT OF N J, 100 BERGEN STREET, NEWARK, N J. Control of mammalian muscle during reinnervation (rat).
- RO1NS-11061-01 (NEUB) WAYMIRE, JACK C, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF PSYCHOBIOLOGY, IRVINE, CALIF. Regulation of adrenergic metabolism (rats).
- RO1NS-11065-01 (PHRA) BUCKNER, CARL K, UNIVERSITY OF WISCONSIN, 425 N CHARTER STREET, MADISON, WIS. Analysis of selectivity of beta adrenergic drugs.
- PO1NS-11066-01 (NSPA) PIROT, PHANOR L, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Fundamental studies in spinal cord injury.
- PO1NS-11066-01 0001 (NSPA) KATZ, SIDNEY. Fundamental studies in spinal cord injury-Electrophysiological studies in spinal cord injury (cats).
- PO1NS-11066-01 0002 (NSPA) DUCKER, THOMAS B. Fundamental studies in spinal cord injury-Physiological studies in spinal cord injury (monkeys).
- PO1NS-11066-01 0008 (NSPA) DANIELL, HERMAN B. Fundamental studies in spinal cord injury-Pharmacological studies in spinal cord injury (cats, monkeys).
- PO1NS-11066-01 0004 (NSPA) BALENTINE, DOUGLAS. Fundamental studies in spinal cord injury-Neuropathological studies of spinal cord injuries (human, animals).
- PO1NS-11066-01 0005 (NSPA) PIROT, PHANOR L, JR. Fundamental studies in spinal cord injury-Clinical electrophysiological studies in spinal cord injury (human).
- RO1NS-11069-01 (NEUB) NANDY, KALIDAS, EMORY UNIVERSITY, DEPARTMENT OF ANATOMY, ATLANTA, GA. Effect of centropheoxine on lipofuscin pigment (guinea pigs, rats, mice).
- RO1NS-11073-01 (PTHA) BIGNAMI, AMICO, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, PALO ALTO, CALIF. Brain specific protein (GFAP) in astrocytes (human, rodents, frogs, goldfish).
- RO1NS-11080-01 (CMS) FRISHKOPF, LAWRENCE S, MASSACHUSETTS INST OF TECH, ROOM 208-225, CAMBRIDGE, MASS. Transduction mechanisms in lateral line organs (amphibians).
- RO1NS-11083-02 (NEUA) WADA, JUHN A, UNIVERSITY OF BRITISH COLUMBIA, 3 N 3, HLTH SCIS CENTRE HOSP, VANCOUVER 8, B C, CANADA. 'Kindling' preparations and antiepileptic drugs (monkeys, rats and cats).
- RO1NS-11087-01 (NEUB) CHAO, LI-PEN, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Purified choline acetyltransferase (guinea pig).
- P17NS-11091-02 (NSPA) SAHS, ADOLPH L, UNIVERSITY HOSPITAL, IOWA CITY, IOWA. Stroke acute care research unit (human).
- P17NS-11093-02 (NSPA) HANNA, GEORGE R, UNIVERSITY OF VIRGINIA, DEPARTMENT OF NEUROLOGY, CHARLOTTESVILLE, VA. Stroke acute care research unit (human).
- P17NS-11099-02 (NSPA) PREZIOSI, THOMAS J, DEPT OF NEUROLOGY, JOHNS HOPKINS HOSPITAL, BALTIMORE, MD. Stroke acute care research unit (human).
- P17NS-11101-02 (NSPA) TOOLE, JAMES F, BOWMAN GRAY SCH OF MEDICINE, 300 SOUTH HAWTHORNE, WINSTON-SALEM, N C. Stroke acute care research unit (human).
- P17NS-11103-02 (NSPA) KINDT, GLENN W, UNIVERSITY OF MICHIGAN, NEUROSURG SEC-C5240 OUTPATIENT, ANN ARBOR, MICH. Stroke acute care research unit (human).
- P17NS-11106-02 (NSPA) WISE, GARY R, OHIO STATE UNIVERSITY HOSPITAL, 410 W 10TH AVENUE, COLUMBUS, OHIO. Stroke acute care research unit (human).
- P17NS-11109-02 (NSPA) HALSEY, JAMES H, JR, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA. Stroke acute care unit (human).
- P17NS-11110-02 (NSPA) GOLDSTEIN, MARVIN N, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. Stroke acute care research unit (human).
- RO1NS-11119-01 (NEUB) PERCY, ALAN K, CHARLES, 1620 E 119 STREET, LOS ANGELES, CALIF. Sphingolipid metabolism in selected human tissues (human).
- P17NS-11120-02 (NSPA) AUSTIN, GEORGE M, LOMA LINDA UNIVERSITY, SECTION OF NEUROSURGERY, LOMA LINDA, CALIF. Stroke acute care research unit (human).
- RO1NS-11126-01 (PHRA) GALLAGHER, BRIAN B, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, WASHINGTON, D C. Clinical and basic development of new anticonvulsants.
- RO1NS-11129-02 (PTHA) ZU RHEIN, GABRIELE M, UNIVERSITY OF WISCONSIN, 470 N CHARTER STREET, MADISON, WIS. Morphology of chronic viral infections of the brain (human, monkeys, hamsters).
- PO1NS-11131-01 (NSPA) COTZIAS, GEORGE C, MEDICAL RESEARCH CENTER, BROOKHAVEN NATIONAL LABORATORY, UPTON, L I N Y. Extrapyramidal and related behavioral disorders.
- PO1NS-11131-01 0001 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders-Syntheses and testing of apomorphine analogs and tritiated apomorphine (mice).
- PO1NS-11131-01 0002 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders-Studies with oxotremorine in mice.
- PO1NS-11131-01 0003 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders-Inhibitors of protein synthesis and cerebral actions of levodopa (mice).
- PO1NS-11131-01 0004 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders-Stimulators of protein synthesis and cerebral actions of levodopa (mice).
- PO1NS-11131-01 0005 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders-Measurements of manganese, dopamine and dopa in brain (cats).
- PO1NS-11131-01 0006 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders-Analysis of cat brain for manganese, dopa and dopamine.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
PO1NS-11131-01 0007 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Changes in manganese levels in mice.	RO1NS-11157-01 (CMS) YOST, WILLIAM A. UNIVERSITY OF FLORIDA, 63 ASB, DEPT OF SPEECH, GAINESVILLE, FLA. Interaction of interaural time (phase) and intensity (human).
PO1NS-11131-01 0008 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Manganese levodopa and prednisolone (mice).	RO1NS-11160-03 (NEUB) FISCHBACH, GERALD D. HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Synapse formation in low-density culture (chick embryo).
PO1NS-11131-01 0009 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Manganese metabolism between last week of pregnancy and 6 weeks of life (mice).	RO1NS-11163-01 (PHY) BERLIND, ALLAN, WESLEYAN UNIVERSITY, BIOLOGY DEPARTMENT, MIDDLETOWN, CONN. Physiology of a neuroendocrine system.
PO1NS-11131-01 0010 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Prevention by manganese of levodopa-induced hemorrhage (rats).	RO1NS-11165-01 (BBCB) NIMEI, TANCHI, UNIVERSITY OF CALIFORNIA, CARDIOVASCULAR RES INST HSW-83, SAN FRANCISCO, CALIF. Contractile mechanisms and myogenesis (rabbits, mice).
PO1NS-11131-01 0011 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Physostigmine and pharmacological psychoses caused by levodopa (human).	RO1NS-11169-01 (NEUA) BLOOR, BYRON M, LOYOLA UNIVERSITY, 2160 SOUTH 1ST AVENUE, MAYWOOD, ILL. Cerebral dynamics in subarachnoid hemorrhage (monkey).
PO1NS-11131-01 0012 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Apomorphine in parkinsonian patients on or off levodopa.	RO1NS-11170-02 (BBCB) MARSHALL, GARLAND R, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Mechanism of action of peptide neurotransmitter model (Hydra).
PO1NS-11131-01 0013 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Administration of apomorphine orally (human).	RO1NS-11171-02 (BBCB) LINHOPF, HOWARD M, UNIVERSITY OF CALIFORNIA, DEPT OF DEVELOP & CELL BIO, IRVINE, CALIF. Mechanism of action of peptide neurotransmitter model (Hydra).
PO1NS-11131-01 0014 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Schwab ergograph in parkinsonism (human).	RO1NS-11174-01 (NEUB) RANDIC, MIRJANA, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MASS. Sensitivity and functional organization of spinal cord (cats, monkeys).
PO1NS-11131-01 0015 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Diet and treatment of Parkinson's disease with levodopa (human).	RO1NS-11175-02 (NEUB) RUDY, THOMAS A, UNIVERSITY OF WISCONSIN, 425 N CHARTER STREET, MADISON, WIS. ACH and CHS thermoregulation processes (monkeys).
PO1NS-11131-01 0016 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Measurements of circulating growth hormone (human).	RO1NS-11177-01 (NEUB) HOREKMAN, THEODORE B, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C. Neural role in muscular dystrophy (chicken).
PO1NS-11131-01 0017 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Cerebrospinal fluid in treated parkinsonian patients.	RO1NS-11182-01 (PHRA) CHERAYIL, GEORGE D, MEDICAL COLLEGE OF WISCONSIN, 8700 WEST WISCONSIN AVE, MILWAUKEE, WIS. Toxic metabolites of L-dopa in Parkinson's disease.
PO1NS-11131-01 0018 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Long term study of patients receiving levodopa.	RO1NS-11184-01 (NEUB) SIMEONE, FREDERICK A, PENNSYLVANIA HOSPITAL, 800 SPRUCE STREET, PHILADELPHIA, PA. Regional cerebral metabolism and blood flow (primates).
PO1NS-11131-01 0019 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Administration of gamma hydroxybutyric acid to patients with parkinsonism.	RO1NS-11190-01 (NEUB) ROMANUL, FLAVIU C, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. Histochemical studies of neural influences (rabbits).
PO1NS-11131-01 0020 (NSPA) COTZIAS, GEORGE C. Extrapyramidal and related behavioral disorders—Administration of L-metatyrosine to patients with parkinsonism.	RO1NS-11199-01 (EXP) RUCHKIN, DANIEL S, UNIVERSITY OF MARYLAND, DEPARTMENT OF PHYSIOLOGY, BALTIMORE, MD. Evoked and emitted potentials and time estimation (human).
PO1NS-11132-01 (NSPB) PERL, EDWARD R, UNIVERSITY OF NORTH CAROLINA, DEPARTMENT OF PHYSIOLOGY, CHAPEL HILL, N C. Neural basis of effects produced by spinal cord damage.	RO1NS-11205-01 (BBCA) BREEN, DONNA L, AUBURN UNIVERSITY, AUBURN, ALA. Barbiturate complexation with mitochondrial coenzymes.
PO1NS-11132-01 0001 (NSPB) WEALEY, Neural basis of effects produced by spinal cord damage—Spinal shock (cats).	RO1NS-11211-02 (BBCA) PEREZ-POLO, JOSE R, BIOCHEMISTRY DEPARTMENT, MEDICAL CENTER, STANFORD, CALIF. Neural differentiation—Nerve growth factor proteins (snakes, chickens, mice).
PO1NS-11132-01 0002 (NSPB) FAREL, Neural basis of effects produced by spinal cord damage—Posttranssectional hyperreflexia (frogs).	RO1NS-11212-01 (NEUA) GUINANE, JAMES E, NEW ENGLAND MED CTR HOSPITAL, 171 HARRISON AVENUE, BOSTON, MASS. Pulse pressure in normal and hydrocephalic (cats).
PO1NS-11132-01 0003 (NSPB) KUNO, Neural basis of effects produced by spinal cord damage—Enduring changes in synaptic efficacy (cats).	RO1NS-11216-01 (EXP) TELL, PHILIP M, FLORIDA TECHNOLOGICAL UNIV, POST OFFICE BOX 25000, ORLANDO, FLA. Analysis of short-term memory in the deaf.
PO1NS-11132-01 0004 (NSPB) KUNO, Neural basis of effects produced by spinal cord damage—Interactions between neurons and effector organs (mammals).	RO1NS-11218-02 (CMS) TSUCHITANI, CHIYOKO, UNIVERSITY OF TEXAS, 6420 LAMAR FLEMING BOULEVARD, HOUSTON, TEX. Single unit analysis of the superior olivary complex (cats).
PO1NS-11132-01 0005 (NSPB) WHITSEL, Neural basis of effects produced by spinal cord damage—Descending impulses in functional organization of the spinal dorsal horn (monkeys).	RO1NS-11219-02 (NEUA) AMASSIAN, VAHIE E, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Interrelationships to sensorimotor neurons (cats).
PO1NS-11132-01 0006 (NSPB) TREVINO, Neural basis of effects produced by spinal cord damage—Primary afferent neurons and spinal dorsal horn in sensory effects (reptiles).	RO1NS-11221-02 (CMS) MYERS, EUGENE N, EYE & EAR HOSPITAL, 230 LOTHROP STREET, PITTSBURGH, PA. Histopathology of the temporal bones of children (human).
PO1NS-11132-01 0007 (NSPB) MCHWAIN, Neural basis of effects produced by spinal cord damage—Isolation and characterization of plasma membranes from motoneurons (cattle).	RO1NS-11223-03 (PHY) DE WIEER, PAUL J, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Regulation of ionic specificity of the sodium pump (squid).
PO1NS-11132-01 0008 (NSPB) GOTTSCHALK, Neural basis of effects produced by spinal cord damage—Neural effects on renal function—dependence upon spinal mechanisms (mammals).	RO1NS-11231-02 (NEUB) MOORE, MICHAEL J, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Immunological markers in developmental brain disease (mice).
RO1NS-11137-02 (BND) SCHWARK, WAYNE S, CORNELL UNIVERSITY, NEW YORK STATE VETERINARY COLL, ITHACA, N Y. Neurochemical correlates of experimental cretinism (rats).	RO1NS-11233-02 (NEUB) RAKIC, PASKO T, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Neurogenetic processes in fetal brain (human, monkeys).
RO1NS-11138-02 (EXP) NEILL, DARRYL B, DEPT OF PSYCHOLOGY, EMORY UNIVERSITY, ATLANTA, GA. Chemical mechanism in corpus striatum and behavior.	RO1NS-11237-02 (PTHA) SIDMAN, RICHARD L, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Brain development in normal and mutants (mice).
RO1NS-11138-02 0001 (EXP) NEILL, DARRYL B. Chemical mechanism in corpus striatum and behavior—Ventral striatal control of DRL behavior (rats).	RO1NS-11238-01 (MET) JOLLY, ROBERT D, MASSEY UNIVERSITY, FACULTY OF VETERINARY SCI, PALMERSTON NORTH, NEW ZEAL. Mannonosidosis—A model for lysosomal storage diseases.
RO1NS-11138-02 0002 (EXP) NEILL, DARRYL B. Chemical mechanism in corpus striatum and behavior—Conditional discrimination performance and dorsal head of striatum (rats).	RO1NS-11239-02 (PTHA) KIRKPATRICK, JOEL B, UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Mechanism of neuroplastic flow (cattle).
RO1NS-11138-02 0003 (EXP) NEILL, DARRYL B. Chemical mechanism in corpus striatum and behavior—Somatosensory discrimination learning and medial striatal mechanisms (rats).	RO1NS-11252-01 (NEUB) WOLFF, DONALD J, COLL OF MED & DENT-NEW JERSEY, POST OFFICE BOX 101, PISCATAWAY, N J. Function of a brain calcium-binding protein (rats, mice).
RO1NS-11138-02 0004 (EXP) NEILL, DARRYL B. Chemical mechanism in corpus striatum and behavior—Visual pattern discrimination and striatal functions (rats).	RO1NS-11254-01 (NEUB) EDWARDS, STEPHEN B, UNIVERSITY OF VIRGINIA, DEPARTMENT OF ANATOMY, CHARLOTTESVILLE, VA. Projections of mid-brain reticular formation (cats).
RO1NS-11138-02 0005 (EXP) NEILL, DARRYL B. Chemical mechanism in corpus striatum and behavior—Functional role of nigrostriatal dopamine (rats).	PO1NS-11255-01 (NSPB) WILLIS, WILLIAM D, JR, MARINE BIOMEDICAL INSTITUTE, 200 UNIVERSITY BOULEVARD, GALVESTON, TEX. Comparative neurobiology (aphysia, fish, sea lions).
RO1NS-11138-02 0006 (EXP) NEILL, DARRYL B. Chemical mechanism in corpus striatum and behavior—Nigro-striatal dopamine modulation of behavior and arousal (rats).	PO1NS-11255-01 0001 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)—Neurophysiological correlates of long-term sensitization in aphysia.
RO1NS-11145-01 (NEUA) NORNES, HOWARD O, COLORADO STATE UNIVERSITY, DEPARTMENT OF ANATOMY, FORT COLLINS, COLO. Neurogenesis—Cytoarchitecture and growth of axons (rats, chick embryos).	PO1NS-11255-01 0002 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)—Neurobiology of reproduction in aphysia.
RO1NS-11149-01 (NEUB) ARCH, STEPHEN W, REED COLLEGE, BIOLOGY DEPARTMENT, PORTLAND, OREG. Regulatory physiology and biochemistry in nerve cells (Aphysia).	PO1NS-11255-01 0003 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)—Chemoreception and behavior of marine invertebrates.
RO1NS-11153-01 (CMS) BRANDA, LOUIS D, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. Intensity perception (human).	PO1NS-11255-01 0004 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)—Function of biogenic amines with isotopically labelled derivatives.
RO1NS-11154-01 (CMS) BUTLER, ROBERT A, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Role of spectral cues in sound localization.	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO1NS-11255-01 0005 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)-Neuronal and glial tissue culture models of intercellular communication.

PO1NS-11255-01 0006 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)-Mechanism of action of PMPEA on the vertebrate spinal cord.

PO1NS-11255-01 0007 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)-Comparative nervous system control mechanisms in fish.

PO1NS-11255-01 0008 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)-Neural adaptations for diving in mammals.

PO1NS-11255-01 0009 (NSPB) WILLIS, WILLIAM D, JR. Comparative neurobiology (aphysia, fish, sea lions)-Unmyelinated fibers in the ventral root (cats).

RO1NS-11259-01 (NEUB) INGOGLIA, NICHOLAS A, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N. J. RNA transport in normal and regenerating nerves (fish).

RO1NS-11264-01 (NEUA) HAMMERSTAD, JOHN P, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Amino acids as neurotransmitters (cats).

RO1NS-11268-01 (PHY) WEAKLY, JAMES N, UNIVERSITY OF NORTH CAROLINA, DEPT OF PHYSIOLOGY, CHAPEL HILL, N. C. Mechanism of spinal shock (cats).

RO1NS-11272-01 (CMS) BOORD, ROBERT L, UNIVERSITY OF DELAWARE, DEPT OF BIOLOGICAL SCIENCES, NEWARK, DEL. Lateral line projections of amphibia.

RO1NS-11276-01 (EXP) MC CLEAVE, JAMES D, UNIVERSITY OF MAINE, MURRAY HALL, ORONO, MAINE. Electromagnetic field orientation (marine fish).

RO1NS-11277-01 (PTHA) NELSON, JAMES S, WASHINGTON UNIVERSITY, 4566 SCOTT AVENUE, ST LOUIS, MO. Pathogenesis of nutritional brain injury (chickens).

RO1NS-11284-01 (CMS) BARNES, CHARLES D, INDIANA STATE UNIVERSITY, DEPARTMENT OF LIFE SCIENCES, TERRE HAUTE, IND. Drug effects on vestibular neurones (cats).

RO1NS-11286-04 (MAB) COLE, GERALD A, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Immunosuppression and experimental viral infection (monkeys, rodents).

RO1NS-11295-01 (NEUA) OELLER, HERBERT M, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N. J. Mechanisms of interneuronal communications in culture (rats).

RO1NS-11299-01 (NEUB) ROISEN, FRED J, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N. J. Studies of nerve development (chick embryo).

RO1NS-11310-01 (NEUB) ROSKOSKI, ROBERT, JR, UNIVERSITY OF IOWA, DEPT OF BIOCHEMISTRY, IOWA CITY, IOWA. Neurotransmitter biosynthesis (cattle).

RO1NS-11311-01 (NEUB) SPITZER, NICHOLAS C, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Anatomy and physiology of embryonic sensory neurons (anurans).

RO1NS-11313-01 (NEUB) FABER, DONALD S, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Neuronal interaction and electrogenesis (fish).

RO1NS-11323-01 (MAB) LINDSTROM, JON M, SALK INST FOR BIO STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Purified acetylcholine receptor.

RO1NS-11325-01 (NEUA) PYSH, JOSEPH J, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Morphology and cytophysiology of synaptic transmission (cats).

RO1NS-11329-01 (MAY) SINGER, ROBERT H, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. mRNA metabolism in differentiating cells (mice).

RO1NS-11340-01 (BIO) BROSTROM, CHARLES O, RUTGERS MEDICAL SCHOOL, POST OFFICE BOX 101, PISCATAWAY, N. J. Control of cyclic nucleotide phosphodiesterase (pigs).

RO1NS-11343-01 (END) GORMAN, AUBREY, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ZOOLOGY, SEATTLE, WASH. Hormonal action on central nervous system (rats, frogs).

RO1NS-11353-01 (EXP) NIELSON, STANLEY R, UNIVERSITY OF KANSAS, RAINBOW BLVD AT 39TH STREET, KANSAS CITY, KANSAS. Energy requirements for neuronal activity (cockroaches).

RO1NS-11354-01 (NEUB) HUTCHINSON, HARROL T, UNIVERSITY OF TEXAS, DIVISION OF HUMAN GENETICS, GALVESTON, TEX. Neuron-glia interaction in vitro cholinergic systems (rats).

RO1NS-11356-01 (BBCB) WIENNER, CHARLES E, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N. Y. Purifying and reconstituting acetylcholine receptors (rats, electric fish).

RO1NS-11360-01 (BBCA) HMMES, RICHARD H, UNIVERSITY OF KANSAS, DEPT OF BIOCHEMISTRY, LAWRENCE, KANS. Properties of microtubular proteins (mammals, sea urchin).

RO1NS-11362-01 (NEUB) ESCUETA, ANTONIO V, DUKE UNIVERSITY, BOX 3080, NEUROSCIS LABS, DURHAM, N. C. The epilepsies-Na and K pump within brain synapses (cats).

RO1NS-11364-02 (NEUB) ROSS, LEONARD L, MED COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Cytological localization of serotonin (rabbits, chicks).

RO1NS-11365-02 (PTHA) SCHNEIDER, FREDERICK H, EMORY UNIVERSITY, DIV OF BASIC HLTH SCIENCES, ATLANTA, GA. Neurotransmitters in normal and neoplastic cells (mice).

RO1NS-11379-02 (NEUA) BRAZIER, MARY A, UNIVERSITY OF CALIFORNIA, DEPT OF ANATOMY, LOS ANGELES, CALIF. Electrophysiological studies of epileptic brain (human).

RO1NS-11383-01 (CBY) MITTENTHAL, JAY E, PURDUE UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES, LAFAYETTE, IND. Synaptic connectivity in motor systems (crayfish).

RO1NS-11384-01 (CMS) POULOS, DENNIS A, ALBANY MEDICAL COLLEGE, 47 NEW SCOTLAND AVENUE, ALBANY, N. Y. Central processing of temperature information (monkeys).

RO1NS-11386-01 (NEUA) SUMNER, AUSTIN J, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Experimental neuropathies-Correlative studies (cat).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

RO1NS-11393-01 (TAMP) SEED, JOHN R, TULANE UNIVERSITY, DEPARTMENT OF BIOLOGY, NEW ORLEANS, LA. Neurological lesions during African trypanosomiasis (voles).

RO1NS-11406-01 (BIO) LOMBARINI, JOHN B, TEXAS TECH UNIVERSITY, P O BOX 4569, LUBBOCK, TEX. Enzymatic synthesis and function of isethionic acid (rats).

RO1NS-11408-01 (CMS) ZURIF, EDGAR B, VETERANS ADMINISTRATION HOSP, 150 SOUTH HUNTINGTON AVE, BOSTON, MASS. Communication in aphasia-Mechanisms and rehabilitation (human).

PO1NS-11417-01 (NSPB) OGURA, JOSEPH H, WASHINGTON UNIVERSITY, 517 SOUTH EUCLID AVENUE, ST LOUIS, MO. Core program project in communicative disorders.

PO1NS-11417-01 0001 (NSPB) CROWLEY, DAVID E. Core program project in communicative disorders-Presbycusis and age-related changes of audiovestibular system (rats, human).

PO1NS-11417-01 0002 (NSPB) BOHNE, BARBARA A. Core program project in communicative disorders-Ultrastructural age-related changes in cells of cochlear duct (rats, human).

PO1NS-11417-01 0005 (NSPB) THALMANN, RUEDIGER R. Core program project in communicative disorders-Evaluation of biochemical changes in peripheral auditory system of aging rat.

PO1NS-11417-01 0004 (NSPB) CARVER, WILLIAM F. Core program project in communicative disorders-Determination of audiological aspects of presbycusis.

PO1NS-11417-01 0003 (NSPB) STROUD, MALCOM H. Core program project in communicative disorders-Vestibular and oculomotor function in aged.

PO1NS-11417-01 0006 (NSPB) BOHNE, BARBARA A. Core program project in communicative disorders-Morphological ovaluation of human temporal bone and brain stem.

PO1NS-11417-01 0007 (NSPB) BOHNE, BARBARA A. Core program project in communicative disorders-Preservation of cells lining cochlear duct and junctions between them.

PO1NS-11417-01 0008 (NSPB) THALMANN, RUEDIGER R. Core program project in communicative disorders-Ototoxicity.

PO1NS-11417-01 0009 (NSPB) KLAHR, SAULO. Core program project in communicative disorders-Effects of chronic renal disease and diuretics on audiovestibular system (human).

PO1NS-11417-01 0010 (NSPB) BOHNE, BARBARA. Core program project in communicative disorders-Condition of cochlear duct after trauma (human, mammals).

PO1NS-11417-01 0011 (NSPB) OGURA, JOSEPH H. Core program project in communicative disorders-Neonatal tolerance and antigenic maturation (dogs).

PO1NS-11417-01 0012 (NSPB) DAVID LYLE. Core program project in communicative disorders-Canine immune responses.

PO1NS-11417-01 0013 (NSPB) DAVID LYLE. Core program project in communicative disorders-Mammalian nucleated cell membranes.

PO1NS-11418-01 (NSPB) KIBLER, ROBERT F, EMORY UNIVERSITY, 69 BUTLER STREET, S E, ATLANTA, GA. Studies in demyelinating diseases.

PO1NS-11418-01 0001 (NSPB) KIBLER, ROBERT F. Studies in demyelinating diseases-Structure and metabolism of myelin proteins (human, animals).

PO1NS-11418-01 0002 (NSPB) KIBLER, ROBERT F. Studies in demyelinating diseases-Induction of tolerance in EAE (human, monkeys).

PO1NS-11418-01 0003 (NSPB) SHAPIRA, RAYMOND. Studies in demyelinating diseases-Sequence of multiple sclerosis myelin basic protein (human).

PO1NS-11418-01 0004 (NSPB) MCFARLIN, DALE E. Studies in demyelinating diseases-Immune function in EAE and multiple sclerosis (human, rats, mice).

PO1NS-11418-01 0005 (NSPB) CAMENGA, DAVID L. Studies in demyelinating diseases-Viral culture of lymph node and CNS tissue (human).

RO1NS-11425-01 (NEUB) WOLF, MERRILL K, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. Development in vitro and mutant CNS (mice).

RO1NS-11429-01 (PHY) GORMAN, ANTHONY L, BOSTON UNIVERSITY, 80 E CONCORD ST, BOSTON, MASS. Metabolic regulation of membrane permeability (mollusks).

RO1NS-11431-01 (NEUB) PAPPAS, GEORGE D, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVENUE, BRONX, N. Y. Fine structure of synapses and their modification (animals).

RO1NS-11436-01 (NEUA) HOWARD, FRANK M, JR, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Prednisone in myasthenia gravis (human).

RO1NS-11441-01 (NEUB) ISAACSON, ROBERT L, UNIVERSITY OF FLORIDA, DEPARTMENT OF PSYCHOLOGY, GAINESVILLE, FLA. Neural basis of epileptiform activity (rats, rabbits).

RO1NS-11443-01 (COM) NAMEROW, NORMAN S, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF NEUROLOGY, LOS ANGELES, CALIF. Computational investigations of problems in neurology.

RO1NS-11445-01 (NEUB) CLARK, ALLEN W, UNIVERSITY OF WISCONSIN, DEPARTMENT OF ANATOMY, MADISON, WIS. Transmitter release from the neuromuscular junction (frogs).

RO1NS-11447-01 (CMS) BORDLEY, JOHN E, JOHNS HOPKINS HOSPITAL, HARRIET LANE HOME 305, BALTIMORE, MD. The national temporal bone banks center (human).

RO1NS-11451-01 (PTHA) NATHANSON, NEAL, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Immunopathogenesis of visna (sheep).

RO1NS-11452-01 (PHY) JAHAN-PARWAR, BEHRUS, WORCESTER FDN - EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. Mechanism of chemoreception.

RO1NS-11453-01 (SSS) BROWN, ARTHUR M, UNIVERSITY OF TEXAS, DEPARTMENT OF PHYSIOLOGY, GALVESTON, TEX. Ionic movements across nerve cell body membranes (Aplysia).

RO1NS-11454-02 (MAY) JACOBSON, MARCUS, UNIVERSITY OF MIAMI, P O BOX 520875, BISCAYNE ANNEX, MIAMI, FLA. Effect of somatotropin and prolactin on brain development (frogs, mice).

RO1NS-11455-05 (VR) LERNER, A MARTIN, HUTZEL HOSPITAL, 432 EAST HANCOCK AVENUE, DETROIT, MICH. Herpesvirus heminis encephalitis (human, rabbits, mice).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
RO1NS-11456-02 (PC) BLAM, JOHN S, FLORIDA STATE UNIVERSITY, 221 UNIT 1, TALLAHASSEE, FLA. Axonal glycoproteins and glycosaminoglycans (goldfish, garfish).	RO1NS-11563-01 (NEUA) SOSO, MICHAEL J, UNIVERSITY HOSPITAL, DIV OF ELECTROENCEPHALOGRAPHY, SEATTLE, WASH. Psychophysical study of pattern-sensitive epilepsy (human).
RO1NS-11457-02 (MAB) GOOD, ROBERT A, SLOAN-KETTERING INST-CNCR RES, 410 EAST 68 STREET, NEW YORK, N Y. Pathogenesis of CNS autoimmune disorders (human, mice).	RO1NS-11565-01 (CMS) HENRY, KENNETH R, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOLOGY, DAVIS, CALIF. Diverse supersensitivity of the auditory system (human, mice).
RO1NS-11458-01 (PHY) ELDRIDGE, FREDERIC L, UNIVERSITY OF NORTH CAROLINA, DEPT OF PHYSIOLOGY, CHAPEL HILL, N C. Neurophysiological studies of respiratory control (mammals).	RO1NS-11576-01 (CBY) POTTER, DAVID D, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Development of sympathetic junctions in culture (rats).
RO1NS-11468-01 (NEUA) SCHEIBEL, ARNOLD B, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Development of rhythmic processes in neonatal thalamus (cats).	RO1NS-11580-01 (PHRA) DOMER, FLOYD R, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. New neuropharmacologic tools for cholinergic studies.
RO1NS-11481-01 (PHY) LANG, FREDERICK, BOSTON UNIVERSITY, MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MASS. Neurotrophic influences on developing muscle.	RO1NS-11588-01 (PHY) POLTOFF, ALBERTO L, BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. Bio-assay of nerve trophic substances.
RO1NS-11404-01 (NEUB) GUYNN, ROBERT W, TEXAS MEDICAL CENTER, 6400 W CULLEN, HOUSTON, TEX. Effect of seizure upon energy metabolism of brain (rats).	RO1NS-11589-01 (NEUA) LYNCH, GARY S, UNIVERSITY OF CALIFORNIA, DEPT OF PSYCHOBIOLOGY, IRVINE, CALIF. Integrative neuroanatomy (rats, mice).
RO1NS-11487-01 (NEUA) STITT, JOHN T, JOHN B PIERCE FOUNDATION LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Temperature regulation—Action of prostaglandin E1 (rabbits).	RO1NS-11600-01 (BBCB) MILLER, KEITH W, MASSACHUSETTS GENERAL HOSPITAL, DEPARTMENT OF ANESTHESIA, BOSTON, MASS. Membrane concentrations of drugs and toxic compounds.
RO1NS-11491-01 (NEUB) WETZEL, MARY C, UNIVERSITY OF ARIZONA, DEPARTMENT OF PSYCHOLOGY, TUCSON, ARIZ. Interlimb aspects of neural control of locomotion (cat).	PO1NS-11601-01 (CDR) FULTON, ROBERT T, PARSONS STATE HOSP & TRNG CTR, PARSONS RESEARCH CENTER, PARSONS, KANS. Special clinical center for communications research (children).
RO1NS-11495-01 (CMS) BROAD, DAVID J, SPEECH COMMUNICATIONS RES LAB, 800A MIRAMONTE DRIVE, SANTA BARBARA, CALIF. Mechanics and vibrations of pathological vocal folds (human).	RO1NS-11609-01 (NSS) ROWLAND, LEWIS P, NEUROLOGICAL INSTITUTE, 710 W 168TH STREET, NEW YORK, N Y. Muscle membranes and muscle disease (human).
RO1NS-11496-01 (NEUB) GIACOBINI, EZIO, UNIVERSITY OF CONNECTICUT, DEPT OF BIOBEHAV SCI BOX U-154, STORRS, CONN. Chemistry and pharmacology of sympathetic ganglia (mice, rats, chickens).	RO1NS-11612-01 (CMS) TOMASI, THOMAS B, JR, MAYO FOUNDATION, 200 FIRST STREET, SOUTHWEST, ROCHESTER, MINN. Secretory otitis media.
RO1NS-11501-01 (MED) LITTERIA, MARILYN, VETERANS ADMINISTRATION HOSP, BUCKLEY ROAD, NEUROLOGY SERV, DOWNEY, ILL. Effects of steroids on 3H-thymidine uptake in brain (rats).	RO1NS-11614-01 (NEUB) RALSTON, HENRY J, 3D, UNIVERSITY OF CALIFORNIA, DEPT OF ANATOMY, SAN FRANCISCO, CALIF. Neuronal and synaptic organization in the thalamus (cats, monkeys).
RO1NS-11504-01 (NEUB) SHELANSKI, MICHAEL L, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Pathology and biology of neuronal fibrous proteins (swine, cattle, human).	RO1NS-11615-01 (NEUB) MORELL, PIERRE, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. Assembly and maintenance of myelin sheath (mice, rats).
RO1NS-11505-01 (NEUB) ROPER, STEPHEN D, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE, DENVER, COLO. Synaptic transmission in autonomic ganglion cells (salamanders).	RO1NS-11616-02 (EXP) BRAUN, J JAY, ARIZONA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, TEMPE, ARIZ. Study of inflection in the rat.
RO1NS-11507-01 (NEUB) WINDLE, WILLIAM F, POST OFFICE BOX 301, GRANVILLE, OHIO. Central nervous regeneration—Hormonal influences (cats, rats).	RO1NS-11618-01 (EXP) GARCIA, JOHN, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF. Behavioral and neural effects of toxicosis and pain (rats).
RO1NS-11513-01 (PHY) IKEDA, KAZUO, CITY OF HOPE NATL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Neural mechanism of mutant phenotypes (<i>Drosophila</i>).	RO1NS-11619-01 (NEUB) HOLTZMAN, SHERMAN D, DEPARTMENT OF NEUROLOGY, STANFORD UNIVERSITY MEDICAL CT, STANFORD, CALIF. Respiratory energy metabolism in brain explants (rats).
RO1NS-11517-01 (EXP) ADAIR, ELEANOR R, JOHN B PIERCE FOUNDATION LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Behavioral thermoregulation—Role of the brainstem (monkey).	RO1NS-11620-01 (EXP) GREEN, DAVID M, HARVARD UNIVERSITY, 33 KIRKLAND STREET, CAMBRIDGE, MASS. Masking mechanisms (human).
RO1NS-11518-01 (PHY) ZAJAC, FELIX E, 3D, UNIVERSITY OF MARYLAND, DEPT OF ELECTRICAL ENGINEERING, COLLEGE PARK, MD. Motor unit organization during locomotion (cats).	RO1NS-11621-01 (MET) SALEN, GERALD, VETERANS ADMINISTRATION HOSP, EAST ORANGE, N J. Metabolism of cholesterol and cholesterol in man.
RO1NS-11519-01 (NEUA) BERRY, ROBERT W, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL. The regulation of neuronal protein synthesis (aplysia).	RO1NS-11623-01 (NEUA) FAHN, STANLEY, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Neurochemistry and basal ganglia diseases (human).
RO1NS-11522-01 (NEUA) FELDMAN, SHAUL, HADASSAH UNIVERSITY HOSPITAL, POST OFFICE BOX 499, JERUSALEM, ISRAEL. Neural-corticosteroid interaction and brain function (cats, rats).	RO1NS-11626-01 (NEUA) GROSSMAN, ROBERT G, UNIVERSITY OF TEXAS, DIV OF NEUROLOGICAL SURGERY, GALVESTON, TEX. Physiology of neuroglia in the brain (cats).
RO1NS-11529-01 (SSS) FIELDS, HOWARD L, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. Spinoreticular mechanism in pain sensation (cats, macaque).	RO1NS-11628-01 (NEUA) COLLINS, GEORGE H, S U N Y - UPSTATE MEDICAL CTR, 750 E ADAMS STREET, SYRACUSE, N Y. Ultrastructure of cell surfaces in neuropathology (rats).
RO1NS-11539-01 (NEUB) HOFF, JULIAN T, UNIVERSITY OF CALIFORNIA, DEPT OF NEUROLOGICAL SURGERY, SAN FRANCISCO, CALIF. Experimental cervical myelopathy (dogs).	RO1NS-11630-02 (CMS) HOY, RONALD R, CORNELL UNIVERSITY, LANGMUR LABORATORY, ITHACA, N Y. Neurological and genetic analysis of acoustic behavior (crickets).
RO1NS-11544-01 (NEUB) NICHOLLS, JOHN G, DEPARTMENT OF PHYSIOLOGY, STANFORD UNIVERSITY MED CTR, STANFORD, CALIF. Integration and regeneration in the nervous system (leeches).	PO1NS-11631-01 (NSPA) YAHR, MELVIN D, C U N Y - MT SINAI SCH OF MED, 100TH STREET & FIFTH AVENUE, NEW YORK, N Y. Clinical center for research on Parkinson's and allied diseases.
RO1NS-11545-01 (CBY) JAFFE, LIONEL F, PURDUE UNIVERSITY, BIOLOGY DEPT, WEST LAFAYETTE, IND. Endogenous electrical controls of neurite growth (chickens).	PO1NS-11631-01 0001 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases—Parkinson's disease brain bank studies (human).
PI7NS-11547-01 (NSPA) REVYCH, MARTIN, PHILADELPHIA GENERAL HOSPITAL, 700 CIVIC CENTER BOULEVARD, PHILADELPHIA, PA. Stroke acute care research unit (human).	PO1NS-11631-01 0002 (NSPA) WOLF, ABNER. Clinical center for research on Parkinson's and allied diseases—Experimental neuropathology studies (human, animals).
RO1NS-11549-01 (MAY) HEINEMANN, STEPHEN F, SALK INST FOR BIOL STUDIES, POST OFFICE BOX 1809, SAN DIEGO, CALIF. Synapse formation in cloned cell lines (mice, rats).	PO1NS-11631-01 0003 (NSPA) TENNYSON, VIRGINIA. Clinical center for research on Parkinson's and allied diseases—Electron microscopy studies (animals).
RO1NS-11550-01 (PHRA) RANDO, ROBERT R, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Behavioral pharmacology and transmitter metabolism (primates, birds, rodents).	PO1NS-11631-01 0004 (NSPA) BARDEN, HERBERT. Clinical center for research on Parkinson's and allied diseases—Histochemical studies (dogs, rats).
RO1NS-11551-01 (PTHA) WRAY, SHIRLEY H, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. Demyelination and the optic nerve (human).	PO1NS-11631-01 0006 (NSPA) BENITEZ, HELENA. Clinical center for research on Parkinson's and allied diseases—Influenza virus (mice, monkeys).
RO1NS-11552-01 (NEUA) MC APEE, DONALD A, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Metabolic aspects of synaptic transmission (mice, rats).	PO1NS-11631-01 0033 (NSPA) YAHR, MELVIN, D. Clinical center for research on Parkinson's and allied diseases—Long term administration of L-Dopa (human).
RO1NS-11554-01 (CMS) BAVIZZA, RICHARD J, PENNSYLVANIA STATE UNIVERSITY, 417 MOORE BUILDING, UNIVERSITY PARK, PA. Behavioral analysis of central hearing mechanisms (primates, hedgehog).	PO1NS-11631-01 0037 (NSPA) BOWEN, FLORRY. Clinical center for research on Parkinson's and allied diseases—Clinical neuropsychological studies (human).
RO1NS-11555-01 (PHY) GARDNER, DANIEL, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N Y. Synaptic organization of identified neural network (mollusks).	PO1NS-11631-01 0039 (NSPA) DUFFY, PHILLIP. Clinical center for research on Parkinson's and allied diseases—Halleverdson-Spatz disease (human).
RO1NS-11556-01 (MCHB) RAJAN, KRISHNASWAMY S, IIT RESEARCH INSTITUTE, 10 WEST 35TH STREET, CHICAGO, ILL. Metal chelates of L-DOPA for Parkinsonism.	PO1NS-11631-01 0040 (NSPA) DUFFY, PHILLIP. Clinical center for research on Parkinson's and allied diseases—Pathology of Parkinson's disease (human, monkeys).
RO1NS-11557-01 (NEUA) GREENE, LLOYD A, CHILDREN'S HOSPITAL, 300 LONGWOOD AVENUE, BOSTON, MASS. Neurochemical studies of cultured sympathetic neurons (mice).	PO1NS-11631-01 0041 (NSPA) BARRETT, ROBERT. Clinical center for research on Parkinson's and allied diseases—Histochemistry laboratory (rats).
RO1NS-11559-01 (PTHA) LEBSTMA, JAN E, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Pathological aspects of neuroplasmic flow (mice).	PO1NS-11631-01 0042 (NSPA) MARCO, L A. Clinical center for research on Parkinson's and allied diseases—Intrinsic links of caudate-neurons (cats).
	PO1NS-11631-01 0043 (NSPA) DAFNY, N. Clinical center for research on Parkinson's and allied diseases—Neurophysiological evidence of vestibular projections (cats).
	PO1NS-11631-01 0044 (NSPA) GILMAN, S. Clinical center for research on Parkinson's and allied diseases—Motor neuron response to natural stimuli (monkeys).
	PO1NS-11631-01 0045 (NSPA) GILMAN, S. Clinical center for research on Parkinson's and allied diseases—Cyclic AMP on electrical activity of single neurons.
	PO1NS-11631-01 0046 (NSPA) MARCO, L A. Clinical center for research on Parkinson's and allied diseases—Intracellular response of motor neuron to knee.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- PO1NS-11631-01 0047 (NSPA) COPACK, P. Clinical center for research on Parkinson's and allied diseases-Evoked and single unit activity to vestibular nerve stimulation.
- PO1NS-11631-01 0048 (NSPA) DAFNY, N. Clinical center for research on Parkinson's and allied diseases-Single unit responses in the caudate nucleus.
- PO1NS-11631-01 0049 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Studies on the LP-pulvinar complex.
- PO1NS-11631-01 0050 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Analysis of effects of 6-OH dopamine into the mesencephalic tegmentum (cats).
- PO1NS-11631-01 0051 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Electrophysiological analysis and administration of L-dopa (monkeys).
- PO1NS-11631-01 0052 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Electrophysiology of thalamocortical linkages (cats, monkey).
- PO1NS-11631-01 0053 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Electrophysiological analysis of intra VL synaptic organization.
- PO1NS-11631-01 0054 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Electrophysiology of motor cortical effects in thalamus.
- PO1NS-11631-01 0055 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Motor cortical regulation of transmission in the thalamic relays (cats, primates).
- PO1NS-11631-01 0056 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Electrophysiology of the mesencephalic route of corticothalamic fibers.
- PO1NS-11631-01 0057 (NSPA) COHEN, G. Clinical center for research on Parkinson's and allied diseases-6-Hydroxydopamine (mice, rats).
- PO1NS-11631-01 0058 (NSPA) COHEN, G. Clinical center for research on Parkinson's and allied diseases-Tetrahydroisoquinoline.
- PO1NS-11631-01 0059 (NSPA) REDMOND, GEOFFREY. Clinical center for research on Parkinson's and allied diseases-Sex difference in alcohol metabolism (mice).
- PO1NS-11631-01 0060 (NSPA) MYTILINEOU, C. Clinical center for research on Parkinson's and allied diseases-Tetrahydroisoquinoline in sympathetically innervated tissues (rats).
- PO1NS-11631-01 0061 (NSPA) BERL, S. Clinical center for research on Parkinson's and allied diseases-Dopa in cerebrospinal fluid in Parkinson's disease (human).
- PO1NS-11631-01 0062 (NSPA) KREMZNER, L. Clinical center for research on Parkinson's and allied diseases-CSF amino acid levels in Parkinson's disease (human).
- PO1NS-11631-01 0063 (NSPA) COTE, L. Clinical center for research on Parkinson's and allied diseases-Acid metabolites of catecholamines (human).
- PO1NS-11631-01 0064 (NSPA) COTE, L. Clinical center for research on Parkinson's and allied diseases-Effects of drugs on catecholamines (chicken).
- PO1NS-11631-01 0065 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-Development of antibodies to DOPA, dopamine, norepinephrine and serotonin (rabbit).
- PO1NS-11631-01 0066 (NSPA) KREMZNER, L. Clinical center for research on Parkinson's and allied diseases-Metabolism of polyamines in the CNS (human).
- PO1NS-11631-01 0067 (NSPA) BERL, S. Clinical center for research on Parkinson's and allied diseases-Proteins in the synaptosomes of the rat brain.
- PO1NS-11631-01 0060 (NSPA) BERL, S. Clinical center for research on Parkinson's and allied diseases-Interaction of catecholamine and amino acid metabolism.
- PO1NS-11631-01 0069 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-6-Hydroxydopamine on amino acid metabolism in rat brain and spinal cord.
- PO1NS-11631-01 0070 (NSPA) YAHR, MELVIN D. Clinical center for research on Parkinson's and allied diseases-L-dopa after treatment with pargyline (rats).
- PO1NS-11631-01 0071 (NSPA) COPACK, P. Clinical center for research on Parkinson's and allied diseases-Conduction velocity of motor nerve fibers (cats).
- RO1NS-11632-01 (NEUB) ENG, LAWRENCE F, STANFORD UNIVERSITY, 300 PASTEUR DRIVE, STANFORD, CALIF. Central nervous system membranes and acidic proteins (human, rats).
- RO1NS-11634-01 (CMS) BLEVINS, CHARLES E, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. Middle ear substrate muscle, bone and joints (human, bats, cats).
- RO1NS-11635-01 (NEUB) PATRICK, JAMES W, DARTMOUTH MEDICAL SCHOOL, DEPARTMENT OF BIOCHEMISTRY, HANOVER, N. H. Molecular basis of membrane excitation (electric fish).
- RO1NS-11636-02 (CMS) HILDING, DAVID A, UNITED HOSPITALS OF NEWARK, 15 SOUTH NINTH, NEWARK, N. J. Electron microscopy and histochemistry of the inner ear (animals).
- RO1NS-11639-01 (EXP) GALIN, DAVID, LANGLEY PORTER NEUROPSYCH INST, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Hemispheric specialization for cognitive mode.
- RO1NS-11641-19 (NEUA) HOWARD, EVELYN, JOHNS HOPKINS UNIVERSITY, 720 RUTLAND AVENUE, BALTIMORE, MD. Biological effects of steroids (mice, rats, monkeys).
- PO1NS-11642-01 (NSPB) KNIGGE, KARL M, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N. Y. Basic and clinical neuroendocrinology.
- PO1NS-11642-01 0001 (NSPB) CHING, MELVIN C H. Basic and clinical neuroendocrinology-Drug-induced alterations in neuroendocrine function (rats).
- PO1NS-11642-01 0002 (NSPB) GIBBS, FINLEY P. Basic and clinical neuroendocrinology-Neural pathways involved with ACTH secretion (rats).
- PO1NS-11642-01 0003 (NSPB) JOSEPH, SHIRELY A. Basic and clinical neuroendocrinology-Human fetal neuroendocrinology (rats).
- PO1NS-11642-01 0004 (NSPB) JOSEPH, SHIRELY A. Basic and clinical neuroendocrinology-Cytoarchitectonics in the developing endocrine hypothalamus (rats).
- PO1NS-11642-01 0005 (NSPB) KNIGGE, KARL M. Basic and clinical neuroendocrinology-Ventricular system in neuroendocrine processes (cats, monkeys, rats, guinea pigs).
- PO1NS-11642-01 0006 (NSPB) DOLSKY, MARY. Basic and clinical neuroendocrinology-Localization and secretion of LRF (mink, rats).
- PO1NS-11642-01 0007 (NSPB) HOLZWARTH, MATILDE A. Basic and clinical neuroendocrinology-Monosodium glutamate induced lesion of the arcuate nucleus.
- PO1NS-11642-01 0008 (NSPB) PECK, WILLIAM A. Basic and clinical neuroendocrinology-Cellular mechanisms of hormone action in the hypothalamus (rats).
- PO1NS-11642-01 0009 (NSPB) SCOTT, DAVID E. Basic and clinical neuroendocrinology-Ultrastructural localization of neural hormones.
- PO1NS-11642-01 0010 (NSPB) SHERIDAN, MICHAEL N. Basic and clinical neuroendocrinology-Fine structural correlates of pineal gland function (hamsters).
- PO1NS-11642-01 0011 (NSPB) SLADEK, JOHN R JR. Basic and clinical neuroendocrinology-Monoamine distribution and neuroendocrine function (animals).
- PO1NS-11642-01 0012 (NSPB) SILVER, MICHAEL. Basic and clinical neuroendocrinology-Tetrahydrocannabinol and hypothalamo-hypophyseal-thyroid axis (rats).
- PO1NS-11642-01 0013 (NSPB) SORRENTINO, SANDY JR. Basic and clinical neuroendocrinology-Regulation of growth and growth hormone (rats).
- PO1NS-11642-01 0014 (NSPB) WOOLF, PAUL D. Basic and clinical neuroendocrinology-Pituitary function and nervous system.
- PO1NS-11642-01 0015 (NSPB) WOOLF, PAUL D. Basic and clinical neuroendocrinology-Hormonal secretion in human pituitary cell culture.
- RO1NS-11644-01 (NEUA) MURRAY, MARION, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. Generation and degeneration of axons (fish, rats).
- PO1NS-11647-01 (CDR) BERLIN, CHARLES I, KRESGE HEARING RES LAB OF THE, 1100 FLORIDA AVE BLDG 164, NEW ORLEANS, LA. Peripheral and central auditory mechanisms.
- PO1NS-11647-01 0001 (CDR) WEBSTER, DOUGLAS B. Peripheral and central auditory mechanisms-Auditory systems in desert rodents (kangaroo rats, pocket mice).
- PO1NS-11647-01 0002 (CDR) MAY, JAMES G. Peripheral and central auditory mechanisms-Electrophysiological and behavioral measures of tonal thresholds (rodents).
- PO1NS-11647-01 0003 (CDR) WEBSTER, DOUGLAS B. Peripheral and central auditory mechanisms-Effects of sound deprivation on the maturation of the auditory system (mice).
- PO1NS-11647-01 0004 (CDR) ADAMO, NORMA JEAN. Peripheral and central auditory mechanisms-Morphology of the spiral ganglion cells (mice, cats).
- PO1NS-11647-01 0005 (CDR) DAIGNEAULT, ERNEST A. Peripheral and central auditory mechanisms-Pharmacological and surgical intervention in the cochlea (cats, guinea pigs).
- PO1NS-11647-01 0006 (CDR) WEBSTER, DOUGLAS B. Peripheral and central auditory mechanisms-Origin and course of the olivocochlear bundle (mice).
- PO1NS-11647-01 0007 (CDR) BOBBIN, RICHARD P. Peripheral and central auditory mechanisms-Search for the afferent transmitter substance (guinea pig, cat, rat).
- PO1NS-11647-01 0008 (CDR) GUTH, PAUL S. Peripheral and central auditory mechanisms-Binding of terphenyl hemicholinium-3 by cochlear hair cell nuclei (guinea pigs).
- PO1NS-11647-01 0009 (CDR) BERLIN, CHARLES I. Peripheral and central auditory mechanisms-Human VIII nerve action potential studies (adults, children).
- PO1NS-11647-01 0010 (CDR) BERLIN, CHARLES I. Peripheral and central auditory mechanisms-Action potentials in peripheral and central auditory system (adults, children).
- PO1NS-11647-01 0011 (CDR) BERLIN, CHARLES I. Peripheral and central auditory mechanisms-Speech processing-Experiments in monotic and dichotic listening (human).
- PO1NS-11647-01 0012 (CDR) BERLIN, CHARLES I. Peripheral and central auditory mechanisms-Discrimination of music as a function of labeling (human).
- PO1NS-11647-01 0013 (CDR) BERLIN, CHARLES I. Peripheral and central auditory mechanisms-Reaction time investigations of speech perception (human).
- PO1NS-11647-01 0014 (CDR) PORTER, ROBERT J. Peripheral and central auditory mechanisms-Electrophysiological measures of information processing (human).
- RO1NS-11648-01 (NEUB) WERNER, JOAN K, UNIVERSITY OF WISCONSIN, 350 BARDEEN LABORATORIES, MADISON, WIS. Influence of neurons upon muscle spindle development (rats).
- RO1NS-11650-01 (NEUB) WILLIAMS, TERENCE H, UNIVERSITY OF IOWA, COLLEGE OF MEDICINE, IOWA CITY, IOWA. Morphology of collateral nerve sprouting (cats).
- RO1NS-11652-01 (BBCB) SIEGEL, FRANK L, UNIVERSITY OF WISCONSIN, 1300 UNIVERSITY AVENUE, MADISON, WIS. Calcium-binding protein in nervous tissue (pigs, rats).
- RO1NS-11654-01 (CMS) THOMPSON, RICHARD F, WILLIAM JAMES HALL, 33 KIRKLAND STREET, CAMBRIDGE, MASS. Central neural mechanisms of hearing (cats).
- RO1NS-11657-01 (EXP) TENG, E L, UNIV OF SOUTHERN CALIFORNIA, 1200 N STATE STREET, BOX 1909, LOS ANGELES, CALIF. Relations between L & R hemispheric specializations (human).
- RO1NS-11664-01 (CMS) SCHUBERT, EARL D, STANFORD UNIVERSITY, EDWARDS BUILDING - R123, STANFORD, CALIF. Mechanical frequency resolution in the cochlea (guinea pig).
- RO1NS-11665-01 (MET) KIHARA, HAYATO, PACIFIC STATE HOSPITAL, POST OFFICE BOX 100-R, POMONA, CALIF. Metachromatic leukodystrophy in cultured cell systems (human, rats).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- ROINS-11666-01 (NEUB) BLACK, IRA B, CORNELL UNIVERSITY, 1300 YORK AVENUE, NEW YORK, N. Y. Genetics of neuronal growth and development (mice).
- ROINS-11667-01 (CMS) GETCHELL, THOMAS V, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Signal generating mechanisms in olfactory epithelium (frogs).
- ROINS-11668-01 (CMS) SMITH, JAMES C, FLORIDA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, TALLAHASSEE, FLA. The biological basis for olfactory behavior (pigeons).
- ROINS-11669-01 (NEUA) MATHERS, LAWRENCE H, STANFORD UNIVERSITY, DEPARTMENT OF ANATOMY, STANFORD, CALIF. Development and plasticity in a visual system (rabbits).
- ROINS-11670-01 (MET) SHAH, SHANTRAL N, SONOMA STATE HOSPITAL, BRAIN-BEHAVIOR RESEARCH CTR, ELDRIDGE, CALIF. Developmental regulation of brain steroid synthesis.
- ROINS-11671-01 (EXIP) TRITBLAUM, PHILIP, UNIVERSITY OF ILLINOIS, 831 PSYCHOLOGY BUILDING, CHAMPAIGN, ILL. Does experience help lateral hypothalamic recovery (rats, cats).
- ROINS-11672-01 (CMS) JOHNSON, LARS-GORAN, KRESGE HEARING RESEARCH INST, 1301 E ANN STREET, ANN ARBOR, MICH. Calcium turnover in otolithic membranes (pigeons, primates, gerbils).
- ROINS-11676-01 (PHY) STARZAK, MICHAEL E, S U N Y - AT BINGHAMTON, DEPT OF CHEMISTRY, BINGHAMTON, N. Y. Time dependent phenomena in claimed excitable membranes.
- ROINS-11680-01 (CMS) WOUTSMA, ADRIANUS J, MASSACHUSETTS INST OF TECH, 77 MASS AVE, RM 36-755, CAMBRIDGE, MASS. Auditory pitch processing of complex tones (human).
- ROINS-11680-01 (NEUA) BUTLER, ANN B, GEORGE WASHINGTON UNIVERSITY, 2300 I STREET, N. W. WASHINGTON, D. C. Evolution of structure and connections of neocortex (mammals, lizards).
- ROINS-11695-01 (PHY) POPPEL, RICHARD E, UNIVERSITY OF MINNESOTA, 315 MILLARD HALL, MINNEAPOLIS, MINN. Factors in reflex motor control (cats).
- ROINS-11696-01 (RAD) VIAMONTE, MANUEL JR, UNIVERSITY OF MIAMI, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. Transfer of X-ray contrast media into the CSF (rabbits, dogs).
- ROINS-11698-01 (MAB) BURNBAUM, GARY, NORTH SHORE UNIVERSITY HOSP, COMMUNITY DRIVE, MANHASSET, N. Y. Multiple sclerosis (human).
- ROINS-11699-01 (NEUB) PURVES, DALE, WASHINGTON UNIVERSITY, 660 S EUCLID, ST LOUIS, MO. Long-term changes in neurons (guinea pig).
- ROINS-11704-01 (PHY) MAAMMEL, HAROLD T, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 1529, LA JOLLA, CALIF. Thermoregulatory and osmoregulatory responses (fish, reptiles, birds, dogs).
- ROINS-11710-01 (NEUB) WALKER, A EARL, JOHNS HOPKINS HOSPITAL, 601 NORTH BROADWAY, BALTIMORE, MD. Intracranial pressure monitor (human, animals).
- ROINS-11713-01 (EXIP) HALPERN, MIMI N, DEPARTMENT OF ANATOMY, 450 CLARISON AVENUE, BROOKLYN, N. Y. Functional studies of the vomeronasal system (snakes).
- ROINS-11715-01 (NEUB) CLEMENTE, CARMINE D, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ANATOMY, LOS ANGELES, CALIF. Conference-Regeneration in central nervous system.
- ROINS-11716-01 (NEUB) STEPIJA-KLAJCO, MATEJ, UNIVERSITY OF CONNECTICUT, BOX U-154, HORSEBARN ROAD, STORRS, CONN. The physiological role of piperidine in CNS (snails).
- ROINS-11719-01 (MAB) LENNON, VANITA A, SALK INST FOR BIOLOGICAL STUD, POST OFFICE BOX 1809, SAN DIEGO, CALIF. T and B cells in experimental allergic encephalitis (rats).
- ROINS-11731-01 (CMS) LAWRENCE, MERLE, KRESGE HEARING RES INST, 1301 E ANN STREET, ANN ARBOR, MICH. Control of the inner ear microcirculation (guinea pig).
- ROINS-11735-01 (CMS) SMITH, TIMOTHY S, UNIV OF CALIFORNIA, SAN DIEGO, POST OFFICE BOX 109, LA JOLLA, CALIF. Electrophysiological correlates of language processing (human).
- ROINS-11751-01 (NEUB) WILKENS, LON A, BRYN MAWR COLLEGE, DEPARTMENT OF BIOLOGY, BRYN MAWR, PA. Synaptic integration in a bimodal sensory interneuron.
- ROINS-11755-01 (NEUB) HILD, IRVINE R, VETERANS ADMINISTRATION HOSP, GEN MED & SURGICAL RES SERV, HINES, ILL. Neurotropic regulation of muscle protein synthesis (rats).
- ROINS-11756-01 (NEUB) LESTER, M ALLEN, CALIFORNIA INST OF TECHNOLOGY, DIVISION OF BIOLOGY, PASADENA, CALIF. Conductance of nicotinic acetylcholine receptors (torpedos).
- ROINS-11764-02 (BOCB) FISHMAN, HARVEY M, UNIVERSITY OF TEXAS, DEPARTMENT OF PHYSIOLOGY, GALVESTON, TEX. Fluctuation phenomena and ion movements in membranes (squid).
- POINS-11766-01 (NSPB) ROWLAND, LEWIS P, COLUMBIA-PRESBY MED CENTER, 710 W 168TH STREET, NEW YORK, N. Y. Clinical research center for neuromuscular disease.
- POINS-11766-01 0001 (NSPB) MAWATARI, SHIRO. Clinical research center for neuromuscular disease—Muscle membranes and muscle disease (human).
- POINS-11766-01 0002 (NSPB) PENN, AUDREY S. Clinical research center for neuromuscular disease—Muscle proteins and muscle disease (human, mammals, electric fish).
- POINS-11766-01 0003 (NSPB) DIMAURO, SALVATORE. Clinical research center for neuromuscular disease—Muscle mitochondria and muscle disease (human, cats).
- POINS-11766-01 0004 (NSPB) MARKSBERY, WILLIAM R. Clinical research center for neuromuscular disease—Possible viral etiology of polymyositis (human, mice).
- POINS-11766-01 0005 (NSPB) ROSENBERRY, TERRONE L. Clinical research center for neuromuscular disease—Acetylcholinesterase (electric fish, rats, mice).
- POINS-11766-01 0006 (NSPB) CHANG, HAI WON. Clinical research center for neuromuscular disease—Acetylcholine receptor in isolated form (electric eel, rats, rabbits, human).
- POINS-11766-01 0007 (NSPB) ROSENBERRY, TERRONE L. Clinical research center for neuromuscular disease—Protein components in excitable membrane fragments (electric eel, mammals).
- POINS-11766-01 0008 (NSPB) KOENIGSBERGER, MERTON R. Clinical research center for neuromuscular disease—Myoneural function in full term and premature infants.
- POINS-11766-01 0009 (NSPB) KOENIGSBERGER, MERTON R. Clinical research center for neuromuscular disease—Motor nerve conduction velocities in prematures.
- POINS-11766-01 0010 (NSPB) KOENIGSBERGER, MERTON R. Clinical research center for neuromuscular disease—H reflexes in high risk newborns.
- POINS-11766-01 0011 (NSPB) LOYBLACE, ROBERT E. Clinical research center for neuromuscular disease—Clinical neurophysiology.
- POINS-11766-01 0012 (NSPB) TENNYSON, VIRGINIA M. Clinical research center for neuromuscular disease—Regeneration of dystrophic muscle (human, mice, rabbits).
- POINS-11766-01 0013 (NSPB) REUBEN, JOHN P. Clinical research center for neuromuscular disease—Pathophysiology of dystrophic muscle (human).
- ROINS-11773-01 (NEUB) BASFORD, ROBERT E, UNIVERSITY OF PITTSBURGH, DEPT OF BIOCHEMISTRY, PITTSBURGH, PA. Regulation of glycolysis in brain (rats).
- ROINS-11778-01 (CMS) JUHN, S K, UNIV OF MINNESOTA HOSPITALS, BOX 234, MINNEAPOLIS, MINN. The inner ear biochemistry of adrena insufficiency (human, chinchillas).
- ROINS-11779-01 (EXIP) ROBINSON, JOHN S, UNIVERSITY OF CALIFORNIA, SONOMA STATE HOSPITAL, ELDRIDGE, CALIF. Hemisphere integration and specialization (cats).
- POINS-11780-01 (CDR) ABBAS, JAMES H, UNIVERSITY OF WASHINGTON, 107 PARRINGTON HALL, SEATTLE, WASH. Neuromuscular mechanisms underlying speech production.
- POINS-11780-01 0001 (CDR) ABBAS, JAMES H. Neuromuscular mechanisms underlying speech production—Movement parameters of the lips and jaw for speech.
- POINS-11780-01 0002 (CDR) EILENBERG, GERALD R. Neuromuscular mechanisms underlying speech production—Lip and jaw mechanics.
- POINS-11780-01 0003 (CDR) SUTTON, DWIGHT. Neuromuscular mechanisms underlying speech production—Facial and mandibular motor reflexes.
- POINS-11780-01 0004 (CDR) SUTTON, DWIGHT. Neuromuscular mechanisms underlying speech production—Voluntary control (primates, human and nonhuman).
- ROINS-11782-01 (VIR) HAASE, ASHLEY T, VETERANS ADMINISTRATION HOSP, 4150 CLEMENT STREET, SAN FRANCISCO, CALIF. Replication of the slow virus virus.
- ROINS-11786-01 (GEN) KIDD, KENNETH K, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Genetics of human behavioral disorders—Stuttering.
- ROINS-11788-01 (GEN) KANKEL, DOUGLAS R, YALE UNIVERSITY, KLINE BIOLOGY TOWER, NEW HAVEN, CONN. Nervous system development and synapse formation (Drosophila).
- ROINS-11790-01 (CMS) PAGE, ARNOLD, UNIVERSITY OF FLORIDA, COLLEGE OF ARTS & SCIENCES, GAINESVILLE, FLA. Vibrational pattern of the pathologic larynx (human).
- ROINS-11793-01 (NEUA) LOGAN, WILLIAM J, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, CHARLOTTESVILLE, VA. Neurotransmitter influence of neurogia and gliosis (rats, rabbits).
- ROINS-11798-01 (NEUB) BURTON, JOHN E, CITY OF HOPE NATL MED CTR, 1500 EAST DUARTE ROAD, DUARTE, CALIF. Cerebellar correlates of motor performance (cats).
- ROINS-11804-01 (CMS) MERZENICH, MICHAEL M, UNIVERSITY OF CALIFORNIA, 3RD & PARNASSUS AVENUE, SAN FRANCISCO, CALIF. Intracochlear stimulation and prosthesis (human, cats).
- ROINS-11812-01 (CMS) CRANFORD, JERRY L, BAYLOR COLLEGE, 1200 MOURSLUND AVENUE, HOUSTON, TEX. Role of cortico-thalamic system in binaural hearing (cats).
- ROINS-11815-04 (BIO) HOWLAND, JOHN L, BOWDOIN COLLEGE, BRUNSWICK, MAINE. Defective ion movement in muscular dystrophy (mice, rat, hamster, chicken, human).
- ROINS-11821-01 (HED) MANN, DAVID E, JR, TEMPLE UNIVERSITY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA. Diphenylhydantoin-induced cleft palate inhibition by B12 congeners (mice).
- ROINS-11822-01 (MET) YUNG-FENG, CHANG, UNIVERSITY OF MARYLAND, SCHOOL OF DENTISTRY, BALTIMORE, MD. Metabolism and inhibition of lysine in brain (rats).
- ROINS-11824-01 (NEUB) BERL, SOLL, MT SINAI SCH OF MED - C U N Y, FIFTH AVENUE & 100TH STREET, NEW YORK, N. Y. Amino acids and protein in brain structure and function (animals).
- ROINS-11830-01 (NSS) PEROT, PHANOR L, JR, UNIVERSITY OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Spinal cord injury workshop.
- ROINS-11831-01 (NEUB) FITZHARRIS, TIMOTHY P, MEDICAL UNIVERSITY OF SOUTH CA, 80 BARRE STREET, CHARLESTON, S. C. Control mechanisms in regeneration and polarity (annelids).
- ROINS-11834-01 (NEUA) BROWN, LEROY T, STATE UNIVERSITY OF NEW YORK, DEPARTMENT OF ANATOMICAL SCIEN, STONY BROOK, N. Y. Fine structure of spinal cord (monkeys, cats).
- ROINS-11861-01 (NEUA) BITTNER, GEORGE D, UNIVERSITY OF TEXAS AT AUSTIN, DEPARTMENT OF ZOOLOGY, AUSTIN, TEX. Degeneration-regeneration of neuronal connections (annelids, leeches, grayfish).
- ROINS-11867-01 (NEUB) BROSTOFF, STEVEN W, MEDICAL UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. Role of myelin proteins, in experimental neuritis (guinea pigs, rabbits).
- ROINS-11905-01 (BIO) STERN, ABRAHAM M, FLORIDA INTERNATIONAL UNIV, TAMMIAMI TRAIL, MIAMI, FLA. Brain DPN-specific isocitric dehydrogenase (swine).
- ROINS-11919-01 (NEUB) GOLDBERGER, MICHAEL E, MEDICAL COLLEGE, 3300 HENRY AVENUE, PHILADELPHIA, PA. Axonal sprouting and functional recovery in the CNS (cats, monkeys).
- ROINS-11921-01 (SSS) LEVITT, MELVIN, BOWMAN GRAY SCHOOL OF MEDICINE, DEPARTMENT OF PHYSIOLOGY, WINSTON-SALEM, N. C. Somatosensory systems—Central pain (macaques).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- RO1NS-11936-01 (END) MARKS, BERNARD H, WAYNE STATE UNIVERSITY, 540 E CANFIELD AVENUE RM 6374, DETROIT, MICH. Neuropharmacology of isolated neuroendocrine systems (dogs, rabbits).
- RO1NS-11949-01 (NEUB) LETBETTER, WILLIAM D, LABORATORY OF NEUROPHYSIOLOGY, 1256 BRIARCLIFF ROAD, ATLANTA, GA. Anatomical basis of spinal sensory-motor organization (cats).
- RO1NS-12009-01 (NEUB) BRULEY, DUANE F, TULANE UNIVERSITY, DEPT OF CHEMICAL ENGINEERING, NEW ORLEANS, LA. Mathematical studies of oxygen diffusion in the brain (human, cats).
- RO1NS-12028-01 (PHY) SANDOW, ALEXANDER, NEW YORK UNIVERSITY, 100 WASHINGTON SQUARE EAST, NEW YORK, N Y. Muscle-Activation and relaxation mechanisms (rats, mice, chickens, frogs).
- RO1NS-12030-01 (NEUA) WALLER, HARDRESS J, MEDICAL COLLEGE OF OHIO, POST OFFICE BOX 6190, TORLEDO, OHIO. Central interactions with somatosensory neurons (cats).
- RO1NS-12031-01 (NEUA) GOOTMAN, PHYLLIS M, S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Functional organization of CNS vasomotor system (cats).
- RO1NS-12033-01 (PHY) SATINOFF, EVELYN, UNIV OF ILLINOIS, PSYCHOLOGY DEPT, CHAMPAIGN, ILL. Behavior and physiological thermoregulation (rats).
- RO1NS-12035-01 (CMS) NABELEK, ANNA K, UNIVERSITY OF TENNESSEE, SOUTH STADIUM ANNEX, KNOXVILLE, TENN. Binaural speech reception.
- RO1NS-12038-01 (PHY) CURTIS, BRIAN A, PEORIA SCHOOL OF MEDICINE, 1400 WEST MAIN STREET, PEORIA, ILL. Excitation contraction coupling in skeletal muscle (mytilus).
- RO1NS-12039-01 (NEUA) CRACCO, ROGER Q, S U N Y - DOWNSTATE MEDICAL CT, 450 CLARKSON AVENUE, BROOKLYN, N Y. Evoked spinal response.
- RO1NS-12040-01 (PHY) OMAND, ELIZABETH L, COLL OF OSTEOPATHIC MEDICINE, 4150 CITY AVENUE, PHILADELPHIA, PA. Sensory control of feeding.
- RO1NS-12041-01 (PPR) TABAKOFF, BORIS, CHICAGO MEDICAL SCHOOL, 2020 WEST OGDEN AVENUE, CHICAGO, ILL. Biogenic aldehydes-A role in CNS function (mice).
- R13NS-12042-01 (NSS) BLUESTONE, CHARLES D, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. Conference on tonsillectomy and adenoidectomy.
- RO1NS-12043-01 (NEUB) WEHMAN, HENRY J, ROSEWOOD STATE HOSPITAL, RESEARCH DEPARTMENT, OWINGS MILLS, MD. Effects of anticonvulsants on motoneuron development.
- RO1NS-12044-01 (NEUB) HOGAN, EDWARD L, MED UNIV OF SOUTH CAROLINA, 80 BARRE STREET, CHARLESTON, S C. Myelin constituents in murine leucodystrophy.
- RO1NS-12045-01 (COM) WIGHTMAN, FREDERIC L, NORTHWESTERN UNIVERSITY, FRANCES SEARLE BUILDING, EVANSTON, ILL. Pitch perception as auditory pattern recognition.
- RO1NS-12044-01 (CPR) LANYON, RICHARD I, ERICH LINDEMANN MENT HLTH CTR, GOVERNMENT CENTER, BOSTON, MASS. Stuttering-Behavior modification and biofeedback.
- RO1NS-12047-04 (MBY) EICHBERG, JOSEPH, MC LEAN HOSPITAL, POST OFFICE BOX 8, BELMONT, MASS. Role of lipids and lipoproteins in membranes.
- RO1NS-12047-04 0001 (MBY) EICHBERG, JOSEPH. Role of lipids and lipoproteins in membranes-Brain polyphosphoinositates (rats).
- RO1NS-12047-04 0003 (MBY) EICHBERG, JOSEPH. Role of lipids and lipoproteins in membranes-Phospholipid metabolism in the pineal gland (rats).
- RO1NS-12047-04 0003 (MBY) EICHBERG, JOSEPH. Role of lipids and lipoproteins in membranes-Cardiolipin metabolism (rats).
- RO1NS-12047-04 0004 (MBY) EICHBERG, JOSEPH. Role of lipids and lipoproteins in membranes-Lipid composition and metabolism in neuroblastoma clones (mice).
- RO1NS-12043-01 (COM) OTHMER, ECKHARD, UNIVERSITY OF KENTUCKY, MED SCI BUILDING, RM MN368, LEXINGTON, KY. Accurate classification of sleep EEG by bisector analysis.
- R13NS-12049-01 (NSS) CARTER, SIDNEY, COLLEGE OF PHYSICIANS/SURGEONS, 630 WEST 168TH STREET, NEW YORK, N Y. Workshops on growth and regeneration in the CNS.
- RO1NS-12050-01 (PPR) FOOTE, WARREN E, MASSACHUSETTS MENT HLTH CENTER, 74 FENWOOD ROAD, BOSTON, MASS. Electrophysiology of indoleamines in thalamus.
- RO1NS-12051-01 (PHRA) CHAN, YUN L, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. Transport of levodopa derivatives (cats).
- RO1NS-12061-01 (NEUB) BROWN, PAUL B, BOSTON STATE HOSPITAL, 591 MORTON STREET, BOSTON, MASS. Organization of cutaneous neurons in dorsal horn (cats).
- RO1NS-12063-01 (NEUB) ALBUQUERQUE, EDSON X, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Muscle reinnervation and neurotropic influence (rats, chickens).
- RO1NS-12066-01 (NEUB) SCHWARTZ, JAMES H, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. Biochemical studies in identified neurons (aphasia).
- RO1NS-12075-01 (PTHA) NELSON, JAMES S, 500 SOUTH KINGSHIGHWAY, ST LOUIS, MO, ST LOUIS, MO. Biochemical studies on monamine containing neurons.
- RO1NS-12078-01 (NEUA) KARTEN, HARVEY J, S U N Y - AT STONY BROOK, DEPARTMENT OF PSYCHIATRY, STONY BROOK, N Y. Anatomical organization of the brain (chicks).
- RO1NS-12079-01 (NEUA) CUTLER, ROBERT W, STANFORD UNIVERSITY MEDICAL CE, DEPARTMENT OF NEUROLOGY - C338, STANFORD, CALIF. Mechanisms of neurotransmitter release (rats).
- RO1NS-12089-07 (**) VERNA, JOHN, SPRINGFIELD, VIRGINIA. Maintain an animal holding facility and attendant research services.
- RO1NS-12113-01 (NEUB) KAUFFMAN, FREDERICK C, UNIVERSITY OF MARYLAND, 660 WEST REDWOOD STREET, BALTIMORE, MD. Pentose phosphate pathway in neural tissue (rats).
- RO1NS-12119-01 (CMS) BENITZ, JAMES T, WILLIAM BEAUMONT HOSPITAL, 3601 WEST THIRTEEN MILE ROAD, ROYAL OAK, MICH. Effects of partial lesions in vestibular system.
- NO1NS-12281-08 (**) WEISS, MICHAEL S, BALTIMORE, MARYLAND. Diagnosis and treatment of hearing loss in infants.
- NO1NS-12282-11 (**) LOCKARD, JOAN S, SEATTLE, WASHINGTON. Study experimental antiepileptic drugs (monkeys).
- NO1NS-12286-03 (**) DAWSON, WILLIAM W, GAINESVILLE, FLORIDA. Study materials in conjunction with a sensory prosthesis (cats).
- NO1NS-12316-04 (**) WALKER, A EARL, ALBUQUERQUE, NEW MEXICO. Participation in a study of cerebral death (human).
- NO1NS-22300-01 (**) FRIEDLANDER, WALTER J, LINCOLN, NEBRASKA. Establishment of clinical neurology information center.
- NO1NS-22301-02 (**) NAHMAS, ANDRE J, ATLANTA, GEORGIA. Cytologic and immunologic studies of herpes virus induction of cancer (monkeys).
- NO1NS-22306-03 (**) ROGERS, LAYTON, SPRINGFIELD, VIRGINIA. Herpes virus induction of cervical cancer in the Cebus monkey.
- NO1NS-22314-02 (**) MORTIMER, JOHN T, CLEVELAND, OHIO. Intramuscular stimulation of paralyzed muscle (human).
- NO1NS-22316-03 (**) TORICK, EARL, STAMFORD, CONNECTICUT. Wearable master hearing aid device for clinical studies.
- NO1NS-22317-03 (**) KREUL, E JAMES, MENLO PARK, CALIFORNIA. Three-phase screening program.
- NO1NS-22318-03 (**) GOLDSTEIN, MOISE H, JR, BALTIMORE, MARYLAND. Cutaneous and visual patterned stimulation communication aids for deaf infant.
- NO1NS-22319-02 (**) GOODE, GEORGE B JR, OAKLAND, CALIFORNIA. Risk factors for stroke.
- NO1NS-22321-03 (**) HARDY, JANET B, BALTIMORE, MARYLAND. Analyses of ancillary studies-perinatal project.
- NO1NS-22323-04 (**) REDMOND, ROBERT F, COLUMBUS, OHIO. Semiconductor gamma camera system for nuclear medicine.
- NO1NS-22326-02 (**) REITAN, RALPH M, SEATTLE, WASHINGTON. Human responses to head injury.
- NO1NS-22327-02 (**) STARR, EDWARD, CAMBRIDGE, MASSACHUSETTS. Wearable master hearing aid device for clinical studies.
- NO1NS-22329-02 (**) BOURKE, ROBERT S, BUFFALO, NEW YORK. No-reflow phenomenon (monkeys).
- NO1NS-22330-02 (**) SAZ, ARTHUR K, WASHINGTON, DISTRICT OF COLUMBIA. Effects of lipids on human and bacterial cells.
- NO1NS-32301-01 (**) ALLCOCK, NELSON R, ROCKVILLE, MARYLAND. Animal holding facilities and services.
- NO1NS-32302-01 (**) KORONES, SHIELDON, MEMPHIS, TENNESSEE. Serum IgM antibodies from high risk infants.
- NO1NS-32303-02 (**) VINKEN, PIERRE J, PRINCETON, NEW JERSEY. Publication of Epilepsy Abstracts, Volume VI.
- NO1NS-32304-02 (**) BENNETT, STEPHEN W, HOUSTON, TEXAS. Epidemiological studies of stroke risk factors in Panama.
- NO1NS-32306-03 (**) CHASE, MICHAEL H, LOS ANGELES, CALIFORNIA. Operation of an information center in brain and other neurosciences.
- NO1NS-32307-01 (**) TANAGHO, EARL A, SAN FRANCISCO, CALIFORNIA. Urinary bladder evacuation (mammals).
- NO1NS-32308-01 (**) NASHOLD, BLAINE M, DURHAM, NORTH CAROLINA. Electrical stimulation of spinal cord (mammals).
- NO1NS-32313-02 (**) BRUMMER, S BARRY, CAMBRIDGE, MASSACHUSETTS. Procedures for electrical stimulation of the nervous system.
- NO1NS-32315-01 (**) JONES, MARGARET, LOS ANGELES, CALIFORNIA. Infections in pregnancy (human).
- NO1NS-32319-02 (**) FRY, FRANCIS J, INDIANAPOLIS, INDIANA. Ultrasonic techniques for diagnosis of cerebral disorders (monkeys).
- NO1NS-32322-03 (**) CHADWICK, JOSEPH M, MENLO PARK, CALIFORNIA. Development of a wearable four-channel EEG cassette recording system (human).
- NO1NS-40044-02 0062 (**) NORMAN, JAMES, Institutional change in regard to racial minority and women in NIMH.
- NO1NS-40044-01 0072 (**) MARSHALL, LOUISE H, Institutional change in regard to racial minority and women in NIMH.
- NO1NS-42300-02 (**) CASTELLANO, GABRIEL A, BETHESDA, MARYLAND. Delivery of antigens and viral diagnostic reagents.
- NO1NS-42301-00 (**) MCKINNEY, ROBERT, BETHESDA, MARYLAND. Prepare and deliver various cell cultures.
- NO1NS-42302-00 (**) ADVANI, SUNDER H, MORGANTOWN, WEST VIRGINIA. Investigation of femur and head impact response (human).
- NO1NS-42303-00 (**) EARLE, KENNETH, BETHESDA, MARYLAND. Collection of serially sectioned brains.
- NO1NS-42304-00 (**) BAKNES, RALPH W, WINSTON-SALEM, NORTH CAROLINA. Test of ultrasound techniques for cerebral disorders.
- NO1NS-42305-00 (**) MC CANDLESS, GEARY A, SALT LAKE CITY, UTAH. Development of a manual for impedance testing in children.
- NO1NS-42306-00 (**) CHOU, SHELLEY, MINNEAPOLIS, MINNESOTA. Isotope-bolus technique with contrast and isotope angiography.
- NO1NS-42307-00 (**) BRAUNSTEIN, PHILIP, NEW YORK, NEW YORK. Intravenous isotope scintillation angiography of brain in man.
- NO1NS-42303-00 (**) KORNGUTH, STEVEN E, MADISON, WISCONSIN. Ultracentrifugation and affinity chromatography in multiple sclerosis (human).
- NO1NS-42309-00 (**) MEINKE, WILLIAM J, LA JOLLA, CALIFORNIA. Detection of viral genomes in human neurological diseases.
- NO1NS-42310-00 (**) GUMNIT, ROBERT J, MINNEAPOLIS, MINNESOTA. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42311-00 (**) ROWAN, A JAMES, BRONX, NEW YORK. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42312-00 (**) BARTEE, EDWIN M, NASHVILLE, TENNESSEE. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42313-00 (**) WOODBURY, DIXON M, SALT LAKE CITY, UTAH. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42314-00 (**) NORTH, RICHARD R, DALLAS, TEXAS. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42315-00 (**) WARD, ARTHUR A, SEATTLE, WASHINGTON. Feasibility study for comprehensive epilepsy program.
- NO1NS-42316-00 (**) DOW, ROBERT S, PORTLAND, OREGON. Development of a comprehensive epilepsy center (human).
- NO1NS-42317-00 (**) RODIN, ERNST, DETROIT, MICHIGAN. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42318-00 (**) FINCHAM, R W, IOWA CITY, IOWA. Feasibility study for a comprehensive epilepsy program (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- NO1NS-42319-00 (***) DREIFUSS, F E, CHARLOTTESVILLE, VIRGINIA. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42320-00 (***) FREEMAN, JOHN M, BALTIMORE, MARYLAND. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42321-00 (***) POSKANZER, DAVID C, BOSTON, MASSACHUSETTS. Study of multiple sclerosis in Scotland.
- NO1NS-42322-00 (***) KALKOW, DANIEL N, CAMBRIDGE, MASSACHUSETTS. Instrument for assessing speech discrimination.
- NO1NS-42323-00 (***) WHITE, RICHARD E, NEW YORK, NEW YORK. Prescriptive fitting of wearable hearing aids (human).
- NO1NS-42324-00 (***) LOCKE, SIMMON, BOSTON, MASSACHUSETTS. Critical age for language learning.
- NO1NS-42325-00 (***) ROGERS, LEYTON, SPRINGFIELD, VIRGINIA. Housing and care of animals in infectious virus studies.
- NO1NS-42326-00 (***) LASSMAN, FRANK M, MINNEAPOLIS, MINNESOTA. Analysis of speech language and hearing deficits (human).
- NO1NS-42327-00 (***) BERMAN, NANCY, BETHESDA, MARYLAND. Systems analysis and programming for perinatal data.
- NO1NS-42328-00 (***) PLUM, FRED, NEW YORK, NEW YORK. Prediction of outcome of patients with coma.
- NO1NS-42329-00 (***) WOOD, DON H, WASHINGTON, DISTRICT OF COLUMBIA. Prognosis after stroke (human).
- NO1NS-42330-00 (***) JINDEN, DONALD J, LOS ANGELES, CALIFORNIA. Metabolism of dimethoxymethyl phenobarbital (human).
- NO1NS-42331-00 (***) BABB, THOMAS L, LOS ANGELES, CALIFORNIA. Electrical stimulation of the cerebellum (monkeys).
- NO1NS-42332-00 (***) BANTLI, HEINRICH, MINNEAPOLIS, MINNESOTA. Electrical stimulation of cerebellum (monkeys).
- NO1NS-42333-00 (***) HOUSER, OTIS, ROCHESTER, MINNESOTA. Tomography in cerebrovascular disease (human).
- NO1NS-42334-00 (***) HORVITZ, DANIEL G, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Head and spinal cord injury (human).
- NO1NS-42335-01 (***) GOLDMAN, ALFRED E, PHILADELPHIA, PENNSYLVANIA. Incidence, prevalence and costs of multiple sclerosis (human).
- NO1NS-42336-00 (***) MAFFEO, C, ROCKVILLE, MARYLAND. Incidence, prevalence and costs of intracranial neoplasms.
- NO1NS-42337-00 (***) HEYMAN, ALBERT, DURHAM, NORTH CAROLINA. Detection of TIA in an elderly community (human).
- NO1NS-60933-10 (***) SIEBERT, ROBERT G, ROCHESTER, MINNESOTA. Bibliographic service on cerebrovascular diseases.
- NO1NS-60940-13 (***) ADAMS, RAYMOND D, CAMBRIDGE, MASSACHUSETTS. Cytoskeleton and dendritic-architecture of the monkey brain.
- NO1NS-70082-15 (***) WARD, GERALD M, NEW YORK, NEW YORK. Slow virus infections of the central nervous system in man.
- NO1NS-80004-12 (***) SCOTT, T MC NAIR, PHILADELPHIA, PENNSYLVANIA. Research in pregnancy factors and resultant child outcome.
- NO1NS-80006-10 (***) BEIRNE, HARRY M, BUFFALO, NEW YORK. Research in pregnancy factors and resultant child outcome.
- NO1NS-80007-10 (***) SELLMAN, ADOLPH H, NEW ORLEANS, LOUISIANA. Perinatal research project.
- NO1NS-80009-12 (***) FISCH, ROBERT O, MINNEAPOLIS, MINNESOTA. Perinatal research project.
- NO1NS-80010-00 (***) CLARK, WILLIAM, PORTLAND, OREGON. Perinatal research project.
- NO1NS-80011-11 (***) DE LA BURDE, BRIGITTE, RICHMOND, VIRGINIA. Perinatal research project.
- NO1NS-80012-13 (***) HARDY, JANET B, BALTIMORE, MARYLAND. Perinatal research project.
- NO1NS-80013-08 (***) LIPSITT, LEWIS P, PROVIDENCE, RHODE ISLAND. Perinatal research project.
- NO1NS-80014-08 (***) YESSAYAN, LIZA, BOSTON, MASSACHUSETTS. Perinatal research project.
- NO1NS-80017-12 (***) KORONES, SHELDON B, MEMPHIS, TENNESSEE. Pregnancy factors and resultant child outcome.
- NO1NS-80993-10 (***) GREER, WILLIAM E, BATON ROUGE, LOUISIANA. Supporting services on viral research project (monkeys).
- NO1NS-81310-08 (***) BROCK, JOSEPH T, NEW CASTLE, INDIANA. Anti-convulsant properties of albutoin (human).
- NO1NS-92196-04 (***) DREIFUSS, F E, CHARLOTTESVILLE, VIRGINIA. Anticonvulsant properties of ethosuximide and clonazepam (human).
- RO2NU-00308-05 (NPC) ALFANO, GENROSE J, MONTEFIORE HOSP & MEDICAL CTR, 111 E 210 STREET, BRONX, N Y. Long-term effects of an experimental nursing process.
- RO2NU-00343-05 (NPC) CONANT, LUCY H, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF NURSING, CHAPEL HILL, N C. School of nursing research development grant.
- RO2NU-00347-05 (NPC) KRUSE, LORANE C, OHIO STATE UNIV SCH OF NURSING, 1585 NEIL AVENUE, COLUMBUS, OHIO. Research development program.
- RO2NU-00361-05 (NPC) SHEA, FREDERICKA P, WAYNE STATE UNIVERSITY, DETROIT, MICH. Research development—Center for nursing research (human).
- RO2NU-00364-04 (NPC) MURPHY, MARION I, 655 W LOMBARD STREET, BALTIMORE, MD. Research development program (human).
- RO2NU-00369-04 (NPC) BATEY, MARJORIE V, UNIVERSITY OF WASHINGTON, SCHOOL OF NURSING, SEATTLE, WASH. Action program in nursing research facilitation.
- RO2NU-00370-04 (NPC) SLAVINSKY, ANN T, YALE UNIVERSITY, 38 SOUTH STREET, NEW HAVEN, CONN. Nursing with chronically ill psychiatric outpatients (human).
- RO2NU-00376-04 (NRE) PLESHMAN, RUTH P, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Commune health education (young adults).
- RO2NU-00383-03 (NRE) LEININGER, MADELEINE M, UNIV OF UTAH COLL OF NURSING, 25 SOUTH, MEDICAL DRIVE, SALT LAKE CITY, UTAH. Research development project (human).
- RO2NU-00390-03 (NRE) FULLER, ELLEN O, EMORY UNIVERSITY, DEPARTMENT OF PHYSIOLOGY, ATLANTA, GA. Sympathetic responses of the uterine circulation (sheep, guinea pigs).
- RO2NU-00401-03 (NPC) DAUBENMIRE, M JEAN, OHIO STATE UNIVERSITY, 1585 NEIL AVENUE, COLUMBUS, OHIO. A study of the communicative interaction process (human).
- RO2NU-00405-03 (NPC) BUTTS, STANLEY V, UNIV OF KANSAS MED CENTER, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. A descriptive study of the patient-hospital interface (human).
- RO2NU-00408-03 (NPC) DYER, ELAINE D, VETERANS ADMIN HOSPITAL, 500 FOOTHILL BLVD, SALT LAKE CITY, UTAH. Improving quality care through performance ratings.
- RO2NU-00413-02 (NPC) THELBAR, GERALD W, UNIVERSITY OF WISCONSIN, 1402 UNIVERSITY AVENUE, MADISON, WIS. Structural effects on nursing practice (human).
- RO2NU-00415-03 (NPC) LINDEMAN, CAROL A, WESTERN INTERSTATE COMM FOR HI, UNIVERSITY EAST CAMPUS, 30TH S, BOULDER, COLO. Regional program for nursing research and development.
- RO2NU-00423-02 (NRE) MAAS, MERIDEAN L, IOWA SOLDIERS HOME, LISCOMBE, IOWA. Nurse autonomy and patient welfare.
- RO2NU-00426-03 (NRE) WALLSTON, KENNETH A, VANDERBILT UNIVERSITY, SCHOOL OF NURSING, NASHVILLE, TENN. Information disclosures in nurse practice settings.
- RO2NU-00427-03 (NPC) DUNLAP, MARJORIE S, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF 94122. Nursing research development project.
- RO2NU-00430-03 (NPC) JOHNSON, JEAN E, WAYNE STATE UNIVERSITY, 557 CASS AVENUE, DETROIT, MICH. Altering patients responses to threatening events.
- RO2NU-00434-02 (NPC) SCHULTZ, LUCIE C, TEXAS WOMAN'S UNIVERSITY, 1130 M D ANDERSON BLVD, HOUSTON, TEX. Upper extremity positioning of stroke patients.
- RO2NU-00437-03 (NPC) POWASER, MARY M, UNIVERSITY OF WISCONSIN, 1402 UNIVERSITY AVENUE, MADISON, WIS. Endotracheal cuff management (dogs).
- RO2NU-00443-02 (NRE) KALISCH, BEATRICE J, UNIV OF SOUTHERN MISSISSIPPI, SOUTHERN STATION, BOX 5204, HATTIESBURG, MISS. Study of US cadet nurse corps.
- RO2NU-00444-02 (NPC) VERHONICK, PHYLLIS J, UNIVERSITY OF VIRGINIA, SCHOOL OF NURSING, CHARLOTTESVILLE, VA. Nursing care in prevention of bed sores.
- RO2NU-00435-02 (NPC) HADLEY, BETTY JO, UNIV OF COLO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. Experimental trials of the nursing process (dogs).
- RO2NU-00457-02 (NPC) STRAUSS, ANSELMO L, UNIVERSITY OF CALIFORNIA, 1373 THIRD AVENUE, SAN FRANCISCO, CALIF. Nursing care and management of pain in patients.
- RO2NU-00443-02 (NRE) BENJOLIEL, JEANNE Q, UNIVERSITY OF WASHINGTON, SCHOOL OF NURSING, SEATTLE, WASH. A care-cure problem—Dying in teaching hospitals.
- RO2NU-00467-01 (NRE) JACOX, ADA K, UNIVERSITY OF IOWA, COLLEGE OF NURSING, IOWA CITY, IOWA. Pain alleviation through nursing intervention.
- RO2NU-00470-01 (NRE) DAVIS, CAROL D, YALE UNIVERSITY, 38 SOUTH STREET, NEW HAVEN, CONN. Primary care nursing in the emergency room.
- RO2NU-00472-02 (NRE) MACELVEEN, PATRICIA M, UNIVERSITY OF WASHINGTON, SCHOOL OF NURSING, SG-52, SEATTLE, WASH. Cooperation in home dialysis triads and patient outcomes.
- RO2NU-00473-02 (NRE) RICH, ROSEMARY, 2121 ABINGTON ROAD, CLEVELAND, OHIO. Evaluation of dry surface electrodes (human).
- RO2NU-00475-01 (NRE) MARTINSON, IDA M, UNIVERSITY OF MINNESOTA, 3313 POWELL HALL, MINNEAPOLIS, MINN. Faculty research.
- RO2NU-00480-01 (NRE) VOLICER, BEVERLY J, BOSTON UNIVERSITY, 635 COMMONWEALTH AVENUE, BOSTON, MASS. Psychosocial factors in illness outcome.
- RO2NU-00433-01 (NRE) ABBEY, JUNE C, UNIVERSITY OF CALIFORNIA, SCHOOL OF NURSING, N611Y, SAN FRANCISCO, CALIF. Control of shivering during hypothermia (human).
- RO2NU-00485-01 (NRE) FROEBE, DORIS J, INDIANA UNIVERSITY, 1232 WEST MICHIGAN STREET, INDIANAPOLIS, IND 46202. Nurses' physiological rhythms and mental efficiency.
- RO2NU-00438-01 (NRE) HOCHHEISSER, LOUIS I, UNIVERSITY OF CONNECTICUT, 2 HOLCOMB STREET, HARTFORD, CONN. A method for monitoring quality of care of PMA's.
- RO2NU-00494-01 (NRE) DAVIS, FRED, UNIVERSITY OF CALIFORNIA, SCHOOL OF NURSING, SAN FRANCISCO, CALIF. Post baccalaureate nursing careers, a follow-up study.
- RO2NU-00497-01 (NRE) DAVITZ, LOIS J, COLUMBIA UNIVERSITY, BOX 46, 525 WEST 120TH STREET, NEW YORK, N Y. Nurses' inferences of suffering.
- RO2NU-00498-01 (NRE) ROBERTS, STEPHEN D, MARION COUNTY GENERAL HOSPITAL, 960 LOCKE STREET, INDIANAPOLIS, IND. Impact of FNP and PA on the practice of family medicine.
- RO2NU-00500-01 (NRE) COURTNEY, GLADYS A, UNIVERSITY OF ILLINOIS, 845 SOUTH DAMEN, CHICAGO, ILL. Research facilitation project.
- RO2NU-00503-01 (NRE) FRANCIS, GLORIA M, VIRGINIA COMMONWEALTH UNIV, 1220 EAST BROAD STREET, RICHMOND, VA. Research Development project.
- RO2NU-00505-01 (NRE) KRAMER, MARLENE F, UNIVERSITY OF CALIFORNIA, 3RD AND PARNASSUS, SAN FRANCISCO, CALIF. Reality shock and conflict resolution in neophyte nurses.
- RO2NU-00508-01 (NRE) PADILLA, GERALDINE V, CITY OF HOPE NATIONAL MED CTR, 1500 E DUARTE ROAD, DUARTE, CALIF. City of Hope nursing research development grant.
- RO2NU-00510-01 (NRE) WOLPER, JOHN A, YALE SCHOOL OF NURSING, 38 SOUTH STREET, NEW HAVEN, CONN. Preparation and hospitalized children's adjustment.
- RO2NU-00514-01 (NRE) SCHULTZ, PHYLLIS R, MEDICAL CARE AND RESEARCH FDN, 701 EAST COLFAX AVENUE, DENVER, COLO. Primary health care to elderly by nurse practitioners.
- NO1NU-04117-05 (***) KNOPP, LUCILLE, NEW YORK, NEW YORK. Analysis of the career pattern study of the impact of the nurse training act.
- NO1NU-04147-09 (***) D'ALLESANDRO, VINCENT, TRENTON, NEW JERSEY. Study home health agencies for most effective use of nurse manpower.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- NO1NU-14073-03 (**)** SKROVAN, CLARENCE, HOUSTON, TEXAS. Role of nurse as family health worker.
- NO1NU-24000-04 (**)** IBRAHIM, MICHEL A, CHAPEL HILL, NORTH CAROLINA. Evaluate role and effectiveness of family nurse practitioner.
- NO1NU-24022-06 (**)** LUNDE, RUTH M, ST PAUL, MINNESOTA. Inter-state regional planning-nursing.
- NO1NU-24171-01 (**)** KAUFFMAN, MARGARET C, PHILADELPHIA, PENNSYLVANIA. Development of computerized record system for nursing.
- NO1NU-24217-01 (**)** FERBER, BERNARD, CHICAGO, ILLINOIS. Questionnaire survey of nursing personnel in AHA hospitals.
- NO1NU-24264-04 (**)** SLOAN, FRANK A, GAINESVILLE, FLORIDA. Analysis of economic incentives.
- NO1NU-24290-02 (**)** WILLIAMS, THOMAS F, ROCHESTER, NEW YORK. Progress of patients with selected chronic conditions.
- NO1NU-24297-06 (**)** LEVENSON, GOLDIE, NEW YORK, NEW YORK. Automatic data processing systems in nursing agencies.
- NO1NU-24299-03 (**)** JELINEK, RICHARD C, CHICAGO, ILLINOIS. Monitoring quality nursing care.
- NO1NU-24301-02 (**)** RUDOV, MELVIN H, PITTSBURGH, PENNSYLVANIA. Attitudes of high school students toward the nursing profession.
- NO1NU-24318-05 (**)** JEFFERSON, RUBY M, ROCHESTER, NEW YORK. Nurse recruitment program.
- NO1NU-24320-01 (**)** RIDDICK, POSTINE, HAMPTON, VIRGINIA. Search for leaders in nursing thru consortium.
- NO1NU-24321-03 (**)** SWEET, LEONORE R, LAC DU FLAMBEAU, WISCONSIN. Indian nurse recruitment program.
- NO1NU-24326-02 (**)** CADENA, MAXINE, EL PASO, TEXAS. Disadvantaged students in associate degree program.
- NO1NU-34003-03 (**)** BURTON, ROBERT W, RIVERDALE, MARYLAND. Survey of public health nursing.
- NO1NU-34014-02 (**)** BAXTER, CHARLES R, DALLAS, TEXAS. Course for nursing care in burns.
- NO1NU-34034-02 (**)** YERGAN, LAURA H, ST THOMAS, U S VIRGIN ISLANDS. Nurse manpower data in U.S. Virgin Islands.
- NO1NU-34036-01 (**)** WILCOX, JANE, JACKSONVILLE, FLORIDA. Management information system for community/public health nursing services.
- NO1NU-34064-02 (**)** SULTZ, HARRY A, ALBANY, NEW YORK. Longitudinal study to evaluate nurses in extended roles.
- NO1NU-44011-00 (**)** ULLMAN, CHARLES D, CORAL GABLES, FLORIDA. Training program for registered nurses to become family nurse practitioners.
- NO1NU-44012-00 (**)** ANN ARBOR, MICHIGAN. Pediatric nurse practitioner program.
- NO1NU-44014-00 (**)** DEMPSEY, J E, DENVER, COLORADO. Core program for primary health care nurses.
- NO1NU-44015-00 (**)** DEMPSEY, J E, SALT LAKE CITY, UTAH. Training for registered nurses to become family nurse practitioners.
- NO1NU-44016-00 (**)** RESNIK, BARBARA A, SAN FRANCISCO, CALIFORNIA. A program of training for adult health nurse practitioners.
- NO1NU-44072-00 (**)** MARSICO, TERESA, NEWARK, NEW JERSEY. Program of training for nurse midwives.
- NO1NU-44120-00 (**)** JOEL, LINDA, SPRINGFIELD, OHIO. Refresher training program for nurse midwives.
- NO1NU-44121-00 (**)** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Implement follow-up study of 1972 inventory of registered nurses.
- NO1NU-44122-00 (**)** BONDER, SETH, ANN ARBOR, MICHIGAN. Impact of National Health Care system changes on nurse manpower.
- NO1NU-44123-00 (**)** JONES, DALE C, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Analysis of trends in nurse supply.
- NO1NU-44125-00 (**)** BONHAM, D W, CHICAGO, ILLINOIS. Curriculum model for community nurse practitioners.
- NO1NU-44126-00 (**)** KELLY, PATRICIA A, BURLINGTON, VERMONT. Computerized medical record and nursing components of patient care.
- NO1NU-44127-00 (**)** SLOAN, KENNETH W, COLUMBUS, OHIO. Predictors of successful nursing performance.
- NO1NU-44128-00 (**)** LINDEMAN, CAROL, BOULDER, COLORADO. Compilation of nursing research instruments.
- NO1NU-44129-00 (**)** GREENWAY, JAMES H, ANN ARBOR, MICHIGAN. Trace nature and extent of federal influence and impact on nursing.
- NO1NU-44130-06 (**)** FERGUSON, ALAN D, WELLESLEY, MASSACHUSETTS. Continuing education of nurses.
- NO1NU-44132-00 (**)** WARDEN, GAIL, CHICAGO, ILLINOIS. A course for nurses as specialists in geriatric nursing.
- NO1NU-44133-00 (**)** CARL, MARY K, NEWARK, DELAWARE. Study of school nursing practice.
- NO1NU-44134-00 (**)** SHELTON, TONEY, TACOMA, WASHINGTON. Demonstration of school nurse practitioner.
- NO1NU-44135-00 (**)** BURSIEK, RALPH, CINCINNATI, OHIO. Advanced level nursing of thermal injuries.
- NO1NU-44136-00 (**)** LAKE, WILLIAM H, WASHINGTON, DISTRICT OF COLUMBIA. Data processing support.
- NO1NU-44144-00 (**)** DEMPSEY, J E, NEW YORK, NEW YORK. Development of a plan for state licensure of foreign nurse graduates.
- NO1NU-44157-00 (**)** BARSTOW, MERTON C, CAMBRIDGE, MASSACHUSETTS. HMO demonstration centers-nursing.
- NO1NU-44159-00 (**)** KOOPMAN, JAMES, OMAHA, NEBRASKA. Mobility into nursing.
- NO1NU-44160-00 (**)** LOSAW, WILLIAM, ROCKVILLE, MARYLAND. Expansion of nursing environment information system data base.
- NO1NU-44162-00 (**)** MARTIN, ROBERT R, RICHMOND, KENTUCKY. Cooperative nursing project.
- NO1NU-44204-00 (**)** NOT APPLICABLE, RESTON, VIRGINIA. Conference facilities for 'Decadal role in BA and high degree nursing' conference.
- NO1NU-44205-00 (**)** NOT APPLICABLE, SILVER SPRING, MARYLAND. Conference facilities for 'Doctoral manpower in nursing' conference.
- NO1NU-44206-00 (**)** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Facilities for nursing services conference.
- NO1NU-44215-00 (**)** HARRIS, JEAN L, RICHMOND, VIRGINIA. Family nurse practitioner program.
- NO1NU-44216-00 (**)** MILLIGAN, JEAN B, BURLINGTON, VERMONT. Family nurse practitioner program.
- NO1NU-44217-00 (**)** AIKINS, HELEN L, BOSTON, MASSACHUSETTS. Training for adult nurse practitioners.
- NO1NU-44218-00 (**)** SCHWARTZ, MARY J, COLUMBUS, OHIO. Family nurse practitioner program.
- NO1NU-44219-00 (**)** GETCHEL, NIEL, NASHVILLE, TENNESSEE. Family nurse practitioner program.
- NO1NU-44220-00 (**)** FRASE, DANIEL L, RENO, NEVADA. Rural nurse practitioner program.
- NO1NU-44222-00 (**)** OTWELL, RAYMOND C, JR, ATLANTA, GEORGIA. Training for adult nurse practitioners.
- NO1NU-44234-00 (**)** WEAVER, CHARLES H, KNOXVILLE, TENNESSEE. Mobility into nursing.
- NO1OD-32109-04 (**)** NARIN, FRANCIS, CHICAGO, ILLINOIS. Evaluation of linkage between research publications and NIH funding.
- NO1OD-40044-02 0060 (**)** HARMON, LINDSEY R. Institutional change in regard to racial minority and women in NIH.
- NO1OD-42145-00 (**)** STANLEY, R, COLUMBUS, OHIO. Instructional course entitled program officials guide to contracting.
- NO1OD-42152-00 (**)** SCHEFFLER, RICHARD M, CHAPEL HILL, NORTH CAROLINA. Economic return to training in bioscience.
- NO1OD-42160-00 (**)** JAFFE, SIDNEY, ROCKVILLE, MARYLAND. Development of a price deflator for biomedical research.
- NO1OD-42163-00 (**)** DONOVAN, GAIL, CHARLOTTESVILLE, VIRGINIA. Conference facilities for the Nat'l Inst Hlth project officers course.
- NO1OD-42175-00 (**)** MCGINNIS, ROBERT, ITHACA, NEW YORK. Statistical models to reflect federal policy changes on biosciences.
- NO1OD-42185-00 (**)** KYLE, THOMAS N, SILVER SPRING, MARYLAND. Methodology for allocating national expenditures for biomedical research.
- RO1OH-00300-03 (SOH)** QUAM, GEORGE N, VILLANOVA UNIVERSITY, DEPARTMENT OF CHEMISTRY, VILLANOVA, PA. Protection of eyes, face and body against high impacts.
- RO1OH-00303-16 (SOH)** SAMITZ, M H, UNIVERSITY OF PENNSYLVANIA, 36TH & SPRUCE STREETS, PHILADELPHIA, PA. Clinical and laboratory studies of metal sensitivity (guinea pigs, human).
- RO1OH-00304-10 (SOH)** BOUHUYS, AREND, JOHN B PIERCE FDN, LAB, 290 CONGRESS AVENUE, NEW HAVEN, CONN. Physiological studies on byssinosis (human, guinea pigs).
- RO1OH-00306-14 (SOH)** EMANUEL, DEAN A, MARSHFIELD CLINIC FOUNDATION, 510 N ST JOSEPH AVE, MARSHFIELD, WISCONSIN. Farmers lung-An experimental investigation (human, guinea pigs).
- RO1OH-00308-18 (SOH)** KAMON, BLUEZER, UNIVERSITY OF PITTSBURGH, 130 DESOTO STREET, PITTSBURGH, PA. Evaluation of stresses of exposure to heat in humans.
- RO1OH-00309-16 (SOH)** PAGNOTTO, LEONARD D, MASS DEPT OF LABOR & INDUSTRY, BOSTON, MASS. Factors affecting the excretion of industrial poisons (human).
- RO1OH-00315-11 (SOH)** MURPHY, SHELDON D, HARVARD SCH OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Biochemical and physiologic response to toxic stress (rats).
- RO1OH-00316-09 (TOX)** LEIBMAN, KENNETH C, DEPT OF PHARM & THERAPEUTICS, UNIVERSITY OF FLORIDA, GAINESVILLE, FLORIDA. Metabolism of hydrocarbons and related toxicants (rats, rabbits).
- RO1OH-00320-07 (PTBH)** SELIKOFF, IRVING J, MOUNT SINAI SCHOOL OF MEDICINE, FIFTH AVENUE AND 100 STREET, NEW YORK, N. Y. Relation of smoking to neoplasia in asbestos workers.
- RO1OH-00321-06 (SOH)** MILNER, JOHN E, UNIVERSITY OF WASHINGTON, DEPT OF ENVIRON HEALTH, SEATTLE, WASH. In vitro studies of occupational dermatitis (guinea pigs, human).
- RO1OH-00322-06 (SOH)** PETERS, JOHN M, HARVARD SCH OF PUBLIC HLTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Health hazards of the di-isocyanates (human).
- RO1OH-00327-06 (SOH)** BEARD, RODNEY R, STANFORD UNIVERSITY SCH OF MED, STANFORD, CALIF. Carbon monoxide and human information processing.
- RO1OH-00331-05 (NEUA)** WEITZMAN, ELIJOT D, MONTEFIORE HOSP AND MED CENTER, DIVISION OF NEUROLOGY, BRONX, N. Y. The sleep-waking cycle and its neuro-endocrine correlates (human).
- RO1OH-00334-05 (SOH)** FERIN, JURAJ, UNIVERSITY OF ROCHESTER, SCHOOL OF MED & DENT, ROCHESTER, N. Y. Air pollution and lung clearance of particles.
- RO1OH-00337-05 (SOH)** PETERING, HAROLD G, UNIVERSITY OF CINCINNATI, EDEN AND BETHESDA AVENUES, CINCINNATI, OHIO. Mechanisms of cadmium toxicity (rats).
- RO1OH-00340-05 (SOH)** FRANK, NEDD R, UNIVERSITY OF WASHINGTON, DEPT OF ENVIRONMENTAL HEALTH, SEATTLE, WASH. Respiratory effects of inhaled gases and aerosols.
- RO1OH-00340-05 0001 (SOH)** YOKOYAMA, ELI. Respiratory effects of inhaled gases and aerosols-Respiratory uptakes of ozone in dogs.
- RO1OH-00340-05 0002 (SOH)** WATANABE, SUETARO. Respiratory effects of inhaled gases and aerosols-Low concentrations of ozone (cats, human).
- RO1OH-00340-05 0003 (SOH)** BOATMAN, EDWIN S. Respiratory effects of inhaled gases and aerosols-Acute effects of ozone on cat's lungs-Functional.
- RO1OH-00340-05 0004 (SOH)** FRANK, ROBERT N. Respiratory effects of inhaled gases and aerosols-Ozone and elasticity of rabbits lung.
- RO1OH-00340-05 0006 (SOH)** MCJILTON, CHARLES E. Respiratory effects of inhaled gases and aerosols-Irritant aerosols (guinea pigs).
- RO1OH-00340-05 0007 (SOH)** BOATMAN, EDWIN S. Respiratory effects of inhaled gases and aerosols-Acute effects of ozone on cat's lungs-Structural.
- RO1OH-00340-05 0008 (SOH)** FRANK, ROBERT N. Respiratory effects of inhaled gases and aerosols-Effects of ozone on rabbits lungs.
- RO1OH-00340-05 0009 (SOH)** HOLUB, RICHARD. Respiratory effects of inhaled gases and aerosols-Evidence that ozone also affects the lungs through a systemic pathway.
- RO1OH-00340-05 0010 (SOH)** HOLUB, RICHARD. Respiratory effects of inhaled gases and aerosols-Use of radioactive gases to test the ozone uptake model.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01OH-00340-05 0011 (SOH) MCJILTON, CHARLES E. Respiratory effects of inhaled gases and aerosols-Sulfur dioxide plus sodium chloride-Functional effects (guinea pigs).

R01OH-00340-05 0012 (SOH) MCJILTON, CHARLES E. Respiratory effects of inhaled gases and aerosols-Model to predict the uptake of ozone (dogs).

R01OH-00342-04 (SOH) POLLARD, MORRIS, UNIVERSITY OF NOTRE DAME, LOBUND LABORATORY, NOTRE DAME, IND. Effects of environmental pollutants in rodents (rats).

R01OH-00347-04 (SOH) KAPLAN, PHYLLIS D, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Biological interactions of environmental metals (dogs).

R01OH-00350-04 (SOH) WARD, W DIXON, HEARING RESEARCH LABORATORY, 2630 UNIVERSITY AVENUE, S E, MINNEAPOLIS, MINN. Damage-risk contours for intermittent noise exposures (human).

R01OH-00352-05 (CYA) ROBIN, EUGENE D, STANFORD UNIVERSITY, DEPARTMENT OF MEDICINE, PALO ALTO, CALIF. Lung cell function in health and disease (human, rabbits).

R01OH-00355-03 (SOH) PETERING, HAROLD G, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Interaction of coal dust with essential metals (rats).

R01OH-00356-03 (SOH) CHRISTIAN, ROBERT T, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Cellular response to coal mine dust in vitro (human).

R01OH-00357-03 (SOH) MATTHEIS, E BINGHAM, UNIVERSITY OF CINCINNATI, EDEN & BETHESDA AVENUES, CINCINNATI, OHIO. Fate of inhaled coal dust (rabbits, rats).

R01OH-00360-04 (SOH) BURRELL, ROBERT G, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, MORGANTOWN, W VA. Immune injury in occupational respiratory diseases (rabbits, mice).

R01OH-00362-09 (EDC) PUDDU, VITTORIO, VIA SAVOIA, 80 ROME, ITALY. Death rates among Italian railroad employees.

R01OH-00364-03 (SOH) HENDERSON, DONALD, S U N Y - UPSTATE MEDICAL CTR, 750 E ADAMS STREET, SYRACUSE, N Y. Effects of impulse noise on the auditory system (chinchillas).

R01OH-00367-03 (TOX) ALARIE, YVES C, UNIVERSITY OF PITTSBURGH, 130 DE SOTO STREET, PITTSBURGH, PA. Respiratory tract irritants-Mechanisms and tolerance (mice, rabbits).

R01OH-00368-03 (SOH) MALBY, THOMAS H, UNIV OF CALIFORNIA, 108 EARL WARREN HALL, BERKELEY, CALIF. Occupational exposure to organophosphorus compounds (human).

R01OH-00369-02 (SOH) PETERS, JOHN M, HARVARD SCH OF PUBLIC HEALTH, 665 HUNTINGTON AVENUE, BOSTON, MASS. Epidemiology of respiratory disease in firefighters.

R01OH-00371-02 (SOH) ROCKWELL, R JAMES, JR, CINCINNATI GENERAL HOSPITAL, DEPT OF DERMATOLOGY, CINCINNATI, OHIO. Occupational hazards of laser material processing (human).

R01OH-00387-03 (SOH) ZISKIND, MORTON M, TULANE UNIV SCH OF MEDICINE, 1430 TULANE AVENUE, NEW ORLEANS, LA. Accelerated silicosis in sandblasters (human).

R01OH-00396-02 (SOH) PALMES, EDWARD D, NEW YORK UNIVERSITY MED CTR, 550 FIRST AVENUE, NEW YORK, N Y. Aerosol deposition in human subjects.

R01OH-00398-01 (BM) SLAYIN, RAYMOND G, ST LOUIS UNIVERSITY, 1402 S GRAND BLVD, ST LOUIS, MO. Pathogenesis of allergic pulmonary aspergillosis (human, monkeys, rodents).

R01OH-00410-05 (GMA) BIRMINGHAM, DONALD J, WAYNE STATE UNIVERSITY, 540 EAST CANFIELD STREET, DETROIT, MICH. Environmental injury and repair of epidermis.

R01OH-00415-01 (SOH) CARUSO, JOSEPH A, DEPARTMENT OF CHEMISTRY, UNIVERSITY OF CINCINNATI, CINCINNATI, OHIO. Ultra-sensitive methods of trace metal analysis.

R01OH-00417-01 (SOH) HART, FRANKLIN D, NORTH CAROLINA STATE UNIV, 3182 BROUGHTON HALL, RALEIGH, N C. Noise control research on wood planers.

R01OH-00423-01 (SOH) FRENCH, JOHN R, JR, UNIVERSITY OF MICHIGAN, INSTITUTE FOR SOCIAL RES, ANN ARBOR, MICH. Working conditions, job satisfaction, and CHD risk.

R01OH-00424-01 (SOH) REHRUGLER, GERALD E, CORNELL UNIVERSITY, 204 RILEY-ROBB HALL, ITHACA, N Y. Agriculture tractor operator protection.

R01OH-00442-01 (SOH) EMERSON, PAUL D, NORTH CAROLINA STATE UNIV, POST OFFICE BOX 5006, RALEIGH, N C. Coordinated textile industry noise reduction program.

R01OH-00449-01 (SOH) MATANOSKI, GENEVIEVE M, JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF EPIDEMIOLOGY, BALTIMORE, MARYLAND. Cohort study of cancer mortality in virologists.

R01OH-00456-01 (SOH) RATES, CHARLES E, SOUTHERN RESEARCH INSTITUTE, 2000 NINTH AVENUE SOUTH, BIRMINGHAM, ALA. Better foundry hygiene through permanent mold casting.

R01OH-00460-01 (SOH) BRADFORD, JAMES M, JR, GEORGIA INSTITUTE OF TECHNOLOG, ATLANTA, GA, ATLANTA, GA. Bysinosis and small airways disease.

R01OH-00465-03 (SOH) MATANOSKI, GENEVIEVE M, JOHNS HOPKINS UNIVERSITY, DEPARTMENT OF EPIDEMIOLOGY, BALTIMORE, MD. Current trends in survivorship of radiologists (human).

R01OH-00470-01 (SOH) REYNOLDS, DOUGLAS D, UNIVERSITY OF TEXAS, 307 TAYLOR HALL, AUSTIN, TEX. Vibration characteristics of the hand and arm.

R01OH-00472-01 (SOH) SMITH, FRANK A, UNIVERSITY OF ROCHESTER, DEPT OF RAD BIOL & BIOPHYSICS, ROCHESTER, N Y. Exposures of mixtures of airborne contaminants (guinea pigs).

R01OH-00479-01 (SOH) GUIGNARD, JOHN C, UNIVERSITY OF DAYTON, 300 COLLEGE PARK AVENUE, DAYTON, OHIO. Effects of vibration on human comfort and performance.

R01OH-00494-01 (SOH) BAILEY, J RONALD, NORTH CAROLINA STATE UNIV, POST OFFICE BOX, 5801, RALEIGH, N C. Punch press noise reduction demonstration.

R01OH-00497-01 (SOH) RAMSEY, JERRY D, TEXAS TECH UNIVERSITY, DEPT OF INDUSTRIAL ENG, LUBBOCK, TEX. Temperature-time effects on sedentary job performance.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01OH-00511-02 (SOH) KILBURN, RAYE H, UNIVERSITY OF MISSOURI, PULMONARY DIVISION, COLUMBIA, MO. Bysinosis (human, rabbits, guinea pigs, hamsters).

R01OH-00513-01 (SOH) GRILIN, GERALD A, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF DERMATOLOGY, SAN FRANCISCO, CALIF. Detection of environmental depigmenting substances (guinea pigs).

R01OH-00514-01 (SOH) SCHULTZ, ALBERT B, UNIVERSITY OF ILLINOIS, DEPT OF MATERIALS ENGR, BX4348, CHICAGO, ILL. Back injuries-Mechanical stresses in the human spine.

R01OH-00518-01 (SOH) TANSY, MARTIN F, TEMPLE UNIVERSITY, 3223 N BROAD STREET, PHILADELPHIA, PA. Gastric response to inhaled methyl methacrylate vapor (rats).

R01OH-00525-01 (SOH) GELFAND, HENRY M, UNIVERSITY OF ILLINOIS, POST OFFICE BOX 6998, CHICAGO, ILL. Association of leukemia with agriculture occupation.

N01PE-24225-02 (***) ROZELLE, RALPH, WILKES BARRE, PENNSYLVANIA. Curriculum for pre-professional health science course.

N01PE-24230-04 (***) REDIG, DALE F, SAN FRANCISCO, CALIFORNIA. Feasibility of development and operation of a school of health professions.

N01PE-24240-03 (***) SCHWARZ, M ROY, SEATTLE, WASHINGTON. Experimental program of decentralized medical education.

N01PE-24241-02 (***) WELLINGTON, JOHN S, SAN FRANCISCO, CALIFORNIA. EEO in US schools of the health professions.

N01PE-24276-02 (***) WESTON, DONALD, EAST LANSING, MICHIGAN. Integrated modular education system in Michigan.

N01PE-24327-08 (***) OAKS, WILBUR W, PHILADELPHIA, PENNSYLVANIA. Medical educational career curriculum for practice of family medicine.

N01PE-34070-04 (***) BOWER, ELI M, BERKELEY, CALIFORNIA. Implementation of experimental program in health sciences.

N01PE-34076-02 (***) PARKS, ROBERT B, MCLEAN, VIRGINIA. Develop and test certain medical residency survey instruments.

N01PE-34138-01 (***) GIBSON, COUNT A JR, STANFORD, CALIFORNIA. Primary care residency training.

N01PE-44074-00 (***) MAYBLUM, BERT L, BRONX, NEW YORK. Primary care residency program.

N01PE-44103-00 (***) GELMHORN, ALFRED, NEW YORK, NEW YORK. Educational program in biomedical science.

N01PE-44140-00 (***) KING, DONALD W, DENVER, COLORADO. A basic science review course for US citizens.

N01PE-44142-00 (***) HUDSON, JAMES I, WASHINGTON, DISTRICT OF COLUMBIA. Institute on primary care and regional workshops.

N01PE-44163-00 (***) SEMPER, JUDITH, CAMBRIDGE, MASSACHUSETTS. Collaborative effort in health manpower development.

N01PE-44212-00 (***) GAYLES, JOSEPH M, ATLANTA, GEORGIA. Basic medical science program for the minority disadvantaged.

N01PE-44230-00 (***) VALLBONA, CARLOS, HOUSTON, TEXAS. Primary care residency program.

N01PE-44231-00 (***) DAWSON, BART H, PITTSBURGH, PENNSYLVANIA. Primary care residency program.

N01PE-44232-00 (***) GRIDER, HOWARD, EAST LANSING, MICHIGAN. Primary care residency program.

N01RG-42176-00 (***) PAGE, J BOYD, WASHINGTON, DISTRICT OF COLUMBIA. Development of cost models of graduate education in biochemistry.

P07RR-00003-13 (COM) DIXON, WILFRID J, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCI, LOS ANGELES, CALIF. Medical data processing research.

P07RR-00003-13 0001 (COM) DIXON, WILFRID J. Medical data processing research-Winsorized procedures.

P07RR-00003-13 0002 (COM) FORSYTHE, A B. Medical data processing research-Stepwise winsorized regression.

P07RR-00003-13 0008 (COM) JENNIRICH, R I. Medical data processing research-Least first power regression.

P07RR-00003-13 0004 (COM) FORSYTHE, A B. Medical data processing research-Probability statements for stepwise regression.

P07RR-00003-13 0005 (COM) BROWN, M B. Medical data processing research-Small sample behavior of tests of equality of means.

P07RR-00003-13 0006 (COM) HARTIGAN, J A. Medical data processing research-Clustering.

P07RR-00003-13 0007 (COM) MCKEY, M R. Medical data processing research-Nonlinear factor analysis.

P07RR-00003-13 0008 (COM) BROWN, M B. Medical data processing research-Estimating confidence for x when $y=f(x)$ is nonlinear.

P07RR-00003-13 0009 (COM) YUEN, K K. Medical data processing research-Power of single-sample Winsorized, trimmed and student's T.

P07RR-00003-13 0010 (COM) CHEN, E H. Medical data processing research-Transformation of uniform deviates into normal deviates.

P07RR-00003-13 0011 (COM) BROWN, M B. Medical data processing research-Identification of the sources of significance in two-way tables.

P07RR-00003-13 0012 (COM) BROWN, M B. Medical data processing research-Selection of models for multidimensional contingency tables.

P07RR-00003-13 0013 (COM) JENNIRICH, R I. Medical data processing research-Stability of rotated factor loading estimates.

P07RR-00003-13 0014 (COM) YUEN, K K. Medical data processing research-Distribution of the T statistic when the parent is student's T.

P07RR-00003-13 0015 (COM) BROWN, M B. Medical data processing research-Estimating the size of a two-dimensional cluster.

P07RR-00003-13 0016 (COM) MCKEY, M R. Medical data processing research-Linear utilities from preference pairs.

P07RR-00003-13 0017 (COM) JENNIRICH, R I. Medical data processing research-Multivariate stepwise regression.

P07RR-00003-13 0018 (COM) HOSMER, D W. Medical data processing research-Mixtures of regressions.

P07RR-00003-13 0019 (COM) RAMAN, S. Medical data processing research-Nonparametric estimation of multivariate probability densities.

P07RR-00003-13 0020 (COM) BROWN, M B. Medical data processing research-Robustness of nonparametric tests.

P07RR-00003-13 0021 (COM) FORSYTHE, A B. Medical data processing research-Nonparametric tests of variability.

P07RR-00003-13 0022 (COM) YUEN, K K. Medical data processing research-Two-sample trimmed T.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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P07RR-00003-13 0023 (COM) MURTHY, V K. Medical data processing research-Contaminated distributions.

P07RR-00003-13 0024 (COM) RAMAN, S. Medical data processing research-Approximation of contaminated gaussian distributions by student's T-distribution.

P07RR-00003-13 0025 (COM) FORSYTHE, A B. Medical data processing research-Nonparametric tests of variability.

P07RR-00003-13 0026 (COM) DIXON, W J. Medical data processing research-Research conference on statistical computing.

P07RR-00003-13 0027 (COM) DIXON, W J. Medical data processing research-Typical values.

P07RR-00003-13 0028 (COM) MURTHY, V K. Medical data processing research-The PTH root-e-gram.

P07RR-00003-13 0029 (COM) BRITT, P M. Medical data processing research-Enzyme kinetics.

P07RR-00003-13 0030 (COM) FELDON, S. Medical data processing research-Epidemiological model.

P07RR-00003-13 0031 (COM) ANNINOS, P A. Medical data processing research-Relationship of anatomy and function in CNS.

P07RR-00003-13 0032 (COM) ANNINOS, P A. Medical data processing research-Evoked potentials in artificial neural nets.

P07RR-00003-13 0033 (COM) ANNINOS, P A. Medical data processing research-Electromagnetic fields generated from neuronal activity.

P07RR-00003-13 0034 (COM) SPENCE, M ANNE. Medical data processing research-Gene maps and linkage.

P07RR-00003-13 0035 (COM) NEWTON, C M. Medical data processing research-Cancer therapy model.

P07RR-00003-13 0036 (COM) FORSYTHE, A B. Medical data processing research-Cancer status.

P07RR-00003-13 0037 (COM) RAMAN, S. Medical data processing research-Migration process.

P07RR-00003-13 0038 (COM) PETER, J. Medical data processing research-Kinetics of target cell destruction.

P07RR-00003-13 0039 (COM) ANNINOS, P A. Medical data processing research-Statistical discrimination based on a mathematical model of EEG.

P07RR-00003-13 0040 (COM) ANNINOS, P A. Medical data processing research-Parkinsonian behavior in artificial neural nets.

P07RR-00003-13 0041 (COM) ANNINOS, P A. Medical data processing research-EEG model from randomly connected neural nets.

P07RR-00003-13 0042 (COM) MURTHY, V K. Medical data processing research-Models of mortality.

P07RR-00003-13 0043 (COM) LANGE, K. Medical data processing research-Linked genes.

P07RR-00003-13 0044 (COM) EPETERN, G. Medical data processing research-Growth by binary fission.

P07RR-00003-13 0045 (COM) MARCUS, M. Medical data processing research-Task analysis in dentistry.

P07RR-00003-13 0046 (COM) SPENCE, M ANNE. Medical data processing research-Generalized ITO analysis.

P07RR-00003-13 0047 (COM) NEWTON, C M. Medical data processing research-Implantation therapy.

P07RR-00003-13 0048 (COM) MURTHY, V K. Medical data processing research-EKG monitoring.

P07RR-00003-13 0049 (COM) NEWTON, C M. Medical data processing research-Computer supports for prenatal care.

P07RR-00003-13 0050 (COM) MICKET, M R. Medical data processing research-Serotyping for homotransplantation.

P07RR-00003-13 0051 (COM) MAY, P R A. Medical data processing research-Prognosis of schizophrenic patients.

P07RR-00003-13 0052 (COM) MICKET, M R. Medical data processing research-Tumorigenesis and endocrine environment (rats).

P07RR-00003-13 0053 (COM) FOX, M A. Medical data processing research-Multiple column chromatography of tissues.

P07RR-00003-13 0054 (COM) MICKET, M R. Medical data processing research-Behavior state and long term EEG analysis.

P07RR-00003-13 0055 (COM) WALFORD, R. Medical data processing research-Human transplantation antigens.

P07RR-00003-13 0056 (COM) ORNITZ, E M. Medical data processing research-Artistic behavior.

P07RR-00003-13 0057 (COM) FOX, M A. Medical data processing research-Retrieval system for clinical data.

P07RR-00003-13 0058 (COM) NEWTON, C M. Medical data processing research-Remote graphics treatment planning.

P07RR-00003-13 0059 (COM) GERBER, R. Medical data processing research-Metabolism of gold.

P07RR-00003-13 0060 (COM) EIDUSON, B. Medical data processing research-Children with deviant early development experiences.

P07RR-00003-13 0061 (COM) HARPER, R. Medical data processing research-Sudden infant death.

P07RR-00003-13 0062 (COM) NEWTON, C M. Medical data processing research-Radiosotope quantification of cardiac shunts (human).

P07RR-00003-13 0063 (COM) MAY, P R A. Medical data processing research-Relation of test dose to therapy response in schizophrenia.

P07RR-00003-13 0064 (COM) SPENCE, M ANNE. Medical data processing research-Random chromosome analysis.

P07RR-00003-13 0065 (COM) YEH, S. Medical data processing research-Quantification of fetal heart rate.

P07RR-00003-13 0066 (COM) HON, E. Medical data processing research-Prediction of neonatal conditions.

P07RR-00003-13 0067 (COM) DIXON, W J. Medical data processing research-BMD programs.

P07RR-00003-13 0068 (COM) DIXON, W J. Medical data processing research-Distribution of statistical systems.

P07RR-00003-13 0049 (COM) JENNRICH, R I. Medical data processing research-Stepwise discriminant analysis.

P07RR-00003-13 0070 (COM) FORSYTHE, A B. Medical data processing research-Identification of numerically ill-conditioned problems.

P07RR-00003-13 0071 (COM) FRUMKES, D. Medical data processing research-Data retrieval.

P07RR-00003-13 0072 (COM) HOSMER, T. Medical data processing research-Conversational computer statistical program.

P07RR-00003-13 0073 (COM) LEO, A. Medical data processing research-Basic plotting package.

P07RR-00003-13 0074 (COM) FOX, M A. Medical data processing research-Clinical laboratory program.

P07RR-00003-13 0075 (COM) DIXON, W J. Medical data processing research-Graphic nonlinear discriminant analysis.

P07RR-00003-13 0076 (COM) YALE, C. Medical data processing research-Process analysis.

P07RR-00003-13 0077 (COM) ENGELMAN, L. Medical data processing research-Computation of cross products.

P07RR-00003-13 0078 (COM) HARTIGAN, J A. Medical data processing research-Clustering a data matrix.

P07RR-00003-13 0079 (COM) NEWTON, C M. Medical data processing research-Interspike interval analysis.

P07RR-00003-13 0080 (COM) TACKETT, L. Medical data processing research-Tree search.

P07RR-00003-13 0001 (COM) NEWTON, C M. Medical data processing research-Faces and profiles.

P07RR-00003-13 0082 (COM) SPENCE, M ANNE. Medical data processing research-Segregation analysis.

P07RR-00003-13 0003 (COM) SAMPSON, P. Medical data processing research-Least first power principal components.

P07RR-00003-13 0004 (COM) SAMPSON, P. Medical data processing research-General linear hypothesis.

P07RR-00003-13 0085 (COM) FRANE, J W. Medical data processing research-Factor analysis.

P07RR-00003-13 0036 (COM) FRANE, J W. Medical data processing research-Computer generation of pseudo-random gamma variables.

P07RR-00003-13 0087 (COM) RINGER, W. Medical data processing research-Modification, optimization and maintenance of the basic tortois system.

P07RR-00003-13 0088 (COM) CANNON, S. Medical data processing research-Accounting programs.

P07RR-00003-13 0089 (COM) HABER, J. Medical data processing research-System performance monitoring.

P07RR-00003-13 0090 (COM) KOWE, R. Medical data processing research-Data management.

P07RR-00003-13 0091 (COM) RYDEN, K. Medical data processing research-Graphics support.

P07RR-00003-13 0093 (COM) RYDEN, K. Medical data processing research-Terminal network.

P07RR-00003-13 0094 (COM) SCHAFER, R. Medical data processing research-Terminal access project.

P07RR-00003-13 0095 (COM) NELSON, C. Medical data processing research-Generalized form handler.

P07RR-00003-13 0096 (COM) CANNON, S. Medical data processing research-Conversational processors.

P07RR-00003-13 0097 (COM) RINGER, W. Medical data processing research-Exploration of interactive programming strategies.

P07RR-00003-13 0098 (COM) JENNRICH, R I. Medical data processing research-Statistical programming.

P07RR-00003-13 0099 (COM) MARCUS, M. Medical data processing research-Interactive analysis on film.

P07RR-00003-13 0100 (COM) FORSYTHE, A B. Medical data processing research-Sample data sets.

P07RR-00003-13 0101 (COM) FORSYTHE, A B. Medical data processing research-Computer-aided instruction in statistics.

P07RR-00003-13 0102 (COM) NEWTON, C. Medical data processing research-Graduate student projects in computer graphics.

P07RR-00003-13 0103 (COM) DIXON, W J. Medical data processing research-Side inch.

P07RR-00003-13 0104 (COM) NEWTON, C M. Medical data processing research-Teaching film for elementary sampling.

P07RR-00003-13 0105 (COM) DIXON, W J. Medical data processing research-Conference on the teaching of statistics.

P07RR-00003-13 0106 (COM) NEWTON, C M. Medical data processing research-Training in medical computing.

P07RR-00003-13 0107 (COM) NEWTON, C M. Medical data processing research-Teaching model in health-care delivery.

P07RR-00003-13 0108 (COM) HABER, J. Medical data processing research-Screening procedure for medical school applicants.

P07RR-00007-11 (COM) WOOD, EARL H, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. Computer processing in biomedical systems.

P07RR-00007-11 0273 (COM) WOOD, EARL H. Computer processing in biomedical systems-The inner system.

P07RR-00007-11 0274 (COM) BEELER, G W. Computer processing in biomedical systems-Satellite operation in Guggenheim-life science building.

P07RR-00007-11 0275 (COM) BEELER, G W. Computer processing in biomedical systems-Common-use real time data acquisition and display.

P07RR-00007-11 0276 (COM) BEELER, G W. Computer processing in biomedical systems-Remote terminal input or text and/or program material.

P07RR-00007-11 0277 (COM) ANDERSON, D U. Computer processing in biomedical systems-Simcon-simulation control program.

P07RR-00007-11 0278 (COM) WANCK, A R. Computer processing in biomedical systems-Statcon-statistical control program.

P07RR-00007-11 0279 (COM) GILBERT, B K. Computer processing in biomedical systems-Computer-based x-ray television scanning system.

P07RR-00007-11 0280 (COM) GILBERT, B K. Computer processing in biomedical systems-Conversion system for digitization of video images.

P07RR-00007-11 0281 (COM) GILBERT, B K. Computer processing in biomedical systems-Digital converter and digital communications interface.

P07RR-00007-11 0282 (COM) GILBERT, B K. Computer processing in biomedical systems-Signal processing with high fidelity interface.

P07RR-00007-11 0283 (COM) GILBERT, B K. Computer processing in biomedical systems-Digital processing of video images.

P07RR-00007-11 0284 (COM) GILBERT, B K. Computer processing in biomedical systems-Digital arithmetic for large array processing.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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P07RR-00007-11 0285 (COM) GILBERT, B K. Computer processing in biomedical systems-Video-roentgenographic images.

P07RR-00007-11 0286 (COM) JOHNSON, S A. Computer processing in biomedical systems-Clinical chest radiographs for early cancer detection.

P07RR-00007-11 0287 (COM) ROBB, R A. Computer processing in biomedical systems-Computer controlled video digitization and video graphics.

P07RR-00007-11 0288 (COM) SMITH, H C. Computer processing in biomedical systems-Renal blood flow measurement by roentgen video-densitometry.

P07RR-00007-11 0289 (COM) JOHNSON, S A. Computer processing in biomedical systems-Phase locked biomotion sample synchronizer.

P07RR-00007-11 0290 (COM) HARRIS, E A. Computer processing in biomedical systems-Video image communication and retrieval system.

P07RR-00007-11 0291 (COM) JOHNSON, S A. Computer processing in biomedical systems-Biplane video roentgen system.

P07RR-00007-11 0292 (COM) LEE, S L. Computer processing in biomedical systems-Roentgen video imaging system.

P07RR-00007-11 0293 (COM) ROBB, R A. Computer processing in biomedical systems-Roentgen videograms for respiratory mechanics in dogs.

P07RR-00007-11 0294 (COM) PIERRE, R. Computer processing in biomedical systems-Automated blood smear analysis.

P07RR-00007-11 0295 (COM) GREENLEAF, J F. Computer processing in biomedical systems-Automatic classification of chromosomes.

P07RR-00007-11 0296 (COM) BOURGEOIS, M J. Computer processing in biomedical systems-Analysis thru the aortic pressure pulse.

P07RR-00007-11 0297 (COM) HARRIS, E A. Computer processing in biomedical systems-Computerized video system analysis.

P07RR-00007-11 0298 (COM) BAHN, R C. Computer processing in biomedical systems-Syndromes clinical variables.

P07RR-00007-11 0299 (COM) DAUBE, J R. Computer processing in biomedical systems-Pattern recognition of cerebral electric activity.

P07RR-00007-11 0300 (COM) BASSINGTHWAIGHTE, J B. Computer processing in biomedical systems-A model for cardiac cells.

P07RR-00007-11 0301 (COM) SAFFORD, R E. Computer processing in biomedical systems-Intracellular diffusion kinetics.

P07RR-00007-11 0302 (COM) WANKE, A R. Computer processing in biomedical systems-Diffusion of calcium in extracellular space.

P07RR-00007-11 0303 (COM) BASSINGTHWAIGHTE, J B. Computer processing in biomedical systems-Model permitting substrate inhibition.

P07RR-00007-11 0304 (COM) SIDELL, P. Computer processing in biomedical systems-Sodium calcium exchanges.

P07RR-00007-11 0305 (COM) GRABOWSKI, E F. Computer processing in biomedical systems-Sodium potassium active transport process.

P07RR-00007-11 0306 (COM) GRABOWSKI, E F. Computer processing in biomedical systems-Mathematical models in rabbits heart.

P07RR-00007-11 0307 (COM) JOHNSON, S A. Computer processing in biomedical systems-Mathematical modelling.

P07RR-00007-11 0308 (COM) JOHNSON, S A. Computer processing in biomedical systems-Roentgenographic data in reference to angiocardiology.

P07RR-00007-11 0309 (COM) RITMAN, E L. Computer processing in biomedical systems-Left ventricle roentgenogram (dogs).

P07RR-00007-11 0310 (COM) RITMAN, E L. Computer processing in biomedical systems-Whole body plethysmograph.

P07RR-00007-11 0311 (COM) SAFFORD, R E. Computer processing in biomedical systems-Modelling of multiple binding processes.

P07RR-00007-11 0312 (COM) BASSINGTHWAIGHTE, J B. Computer processing in biomedical systems-Stochastic description of circulatory transport.

P07RR-00007-11 0313 (COM) KNOPP, T J. Computer processing in biomedical systems-Shunting of indicator in coronary circulation (dogs).

P07RR-00007-11 0314 (COM) LEE, S L. Computer processing in biomedical systems-Ultrasonic properties of biological material.

P07RR-00007-11 0315 (COM) BURSCHE, J H. Computer processing in biomedical systems-Videodensity measurement of ventricular fraction.

P07RR-00007-11 0316 (COM) KNOPP, T J. Computer processing in biomedical systems-System impulse response.

P07RR-00007-11 0317 (COM) BASSINGTHWAIGHTE, J B. Computer processing in biomedical systems-Kinetics of calcium conductance in myocardium.

P07RR-00007-11 0318 (COM) TAYLOR, W F. Computer processing in biomedical systems-Analytical procedures of data.

P07RR-00007-11 0319 (COM) TAYLOR, W F. Computer processing in biomedical systems-Selection of tabset regressions.

P07RR-00007-11 0320 (COM) RITMAN, E L. Computer processing in biomedical systems-Total and regional left ventricular performance.

P07RR-00007-11 0321 (COM) DEWALD, G. Computer processing in biomedical systems-Densitometric analysis of fluorescent stained chromosomes (human).

P07RR-00007-11 0322 (COM) GILBEET, B K. Computer processing in biomedical systems-Atrial-ventricular stimulus interval (dogs).

P07RR-00007-11 0323 (COM) RIGGS, H C. Computer processing in biomedical systems-Densitometry studies of vertebrae (human).

P07RR-00007-11 0324 (COM) SMITH, H C. Computer processing in biomedical systems-Congenital heart disease by roentgen videodensitometry.

P07RR-00007-11 0325 (COM) SMITH, H C. Computer processing in biomedical systems-Myocardial revascularization procedures (human).

P07RR-00007-11 0326 (COM) SMITH, H C. Computer processing in biomedical systems-Mapping of myocardial blood flow.

P07RR-00007-11 0327 (COM) GREENLEAF, J F. Computer processing in biomedical systems-Parenchymal distortion.

P07RR-00007-11 0328 (COM) BEELER, G W. Computer processing in biomedical systems-Closed loop techniques.

P07RR-00007-11 0329 (COM) JOHNSON, S A. Computer processing in biomedical systems-Ramtek solid-state computer-interactive, video refresh system.

P07RR-00007-11 0330 (COM) GREENLEAF, J F. Computer processing in biomedical systems-Computer graphic techniques.

P07RR-00007-11 0331 (COM) KNOPP, T J. Computer processing in biomedical systems-Contouring and 3-D surface display.

P07RR-00007-11 0332 (COM) ANDERSON, D U. Computer processing in biomedical systems-Calplot.

P07RR-00007-11 0333 (COM) DAUBE, J R. Computer processing in biomedical systems-Three-dimensional display of EEG potential fields.

P07RR-00007-11 0334 (COM) BAHN, R C. Computer processing in biomedical systems-Coronary arteries and myocardium.

P07RR-00007-11 0335 (COM) HARRIS, E A. Computer processing in biomedical systems-Computer control of video disc recorder.

P07RR-00007-11 0336 (COM) GREENLEAF, J F. Computer processing in biomedical systems-Analog-to-digital conversion of ultrasonic signals.

P07RR-00007-11 0337 (COM) HARRIS, E A. Computer processing in biomedical systems-High fidelity, extended television system.

P07RR-00007-11 0338 (COM) HARRIS, E A. Computer processing in biomedical systems-Video image computer station.

P07RR-00007-11 0339 (COM) WANKE, A R. Computer processing in biomedical systems-Computer interfacing for radioisotope data processing.

P07RR-00007-11 0340 (COM) BEELER, G W. Computer processing in biomedical systems-Laboratory interfacing to the common-use data acquisition routine.

P07RR-00007-11 0341 (COM) DAUBE, J R. Computer processing in biomedical systems-Laboratory interfacing for EEG analysis (human).

P07RR-00007-11 0342 (COM) STORMA, M T. Computer processing in biomedical systems-Education and training.

P07RR-00007-11 0343 (COM) STORMA, M T. Computer processing in biomedical systems-Computer technology of physiology systems.

P07RR-00007-11 0344 (COM) STORMA, M T. Computer processing in biomedical systems-Physiological data for on-line computer analysis.

P07RR-00007-11 0345 (COM) STORMA, M T. Computer processing in biomedical systems-Computer application to physiological experiment.

P07RR-00007-11 0346 (COM) STORMA, M T. Computer processing in biomedical systems-Computer control of experimental procedures.

P07RR-00007-11 0347 (COM) STORMA, M T. Computer processing in biomedical systems-Computer analysis of roentgenographic and ultrasound images.

P07RR-00007-11 0348 (COM) STORMA, M T. Computer processing in biomedical systems-Computer-generated display.

P07RR-00007-11 0349 (COM) STORMA, M T. Computer processing in biomedical systems-Application of the computer to various systems.

P07RR-00007-11 0350 (COM) ANDERSON, D U. Computer processing in biomedical systems-Graphcon.

P07RR-00012-12 0351 (COM) WARNER, HOMER R. LATTER-DAY SAINTS HOSPITAL, 325 8TH AVENUE, SALT LAKE CITY, UTAH. Computer facility for medical community.

P07RR-00012-12 0061 (COM) WARNER, HOMER R. Computer facility for medical community-Proposed system improvements.

P07RR-00012-12 0062 (COM) MOROAN, JOHN D. Computer facility for medical community-Computer based medical record.

P07RR-00012-12 0063 (COM) PRYOR, T ALLAN. Computer facility for medical community-ECG monitoring in the CCU.

P07RR-00012-12 0064 (COM) CLAYTON, PAUL. Computer facility for medical community-Computerized videometric processing of angiocardigraphic recordings.

P07RR-00012-12 0066 (COM) CLARK, JUSTIN. Computer facility for medical community-Respiratory distress syndrome computer study.

P07RR-00012-12 0067 (COM) BILLINGS, ROBERT G. Computer facility for medical community-Thermofluor in monitoring the pulmonary circulation in neonates.

P07RR-00012-12 0068 (COM) GARDNER, REED M. Computer facility for medical community-Changes in aortic compliance in critically ill patients.

P07RR-00012-12 0069 (COM) BROWN, THOMAS K. Computer facility for medical community-Adaptive control of hemodynamic parameters.

P07RR-00012-12 0073 (COM) BAGLEY, GRANT P. Computer facility for medical community-Computer aided obstetrical care.

P07RR-00012-12 0074 (COM) GARDNER, REED M. Computer facility for medical community-ICU monitoring.

P07RR-00012-12 0075 (COM) MORRIS, ALLAN. Computer facility for medical community-Automated analysis of blood gases.

P07RR-00012-12 0076 (COM) PRICE, GARY. Computer facility for medical community-Voice response system.

P07RR-00012-12 0077 (COM) SCHMIDT, DUWAYNE. Computer facility for medical community-Computer analysis of the pulmonary laboratory.

P07RR-00012-12 0078 (COM) WARNER, HOMER R. Computer facility for medical community-Automated diagnosis from patient history.

P07RR-00012-12 0079 (COM) WARNER, HOMER R. Computer facility for medical community-Decision making in clinical medicine.

P07RR-00012-12 0080 (COM) WARNER, HOMER R. Computer facility for medical community-On-line pharmacy and drug interaction program.

P07RR-00012-12 0081 (COM) MORGAN, JOHN D. Computer facility for medical community-Patient file routines.

P07RR-00012-12 0082 (COM) ROBERTS, JAMES. Computer facility for medical community-Operating system.

P07RR-00015-12 0083 (COM) PRING, MARTIN, UNIVERSITY OF PENNSYLVANIA, 37TH & HAMILTON WALK, PHILADELPHIA, PA. Medical school computer facility.

P07RR-00015-12 0002 (COM) BLASIE, J K. Medical school computer facility-X-ray diffraction analysis of natural and artificial membrane systems.

P07RR-00015-12 0012 (COM) GARFINKEL, D. Medical school computer facility-Simulation of complex biochemical systems (rats).

P07RR-00015-12 0034 (COM) PEACHEY, L. Medical school computer facility-Computation of propagated action potentials.

P07RR-00015-12 0062 (COM) VIALE, R. Medical school computer facility-Class project computations in medical science training.

P07RR-00015-12 0065 (COM) BRILLER, S. Medical school computer facility-Computer-based clinical electrocardiography.

P07RR-00015-12 0066 (COM) CLARK, P. Medical school computer facility-Documentation of facility programs.

P07RR-00015-12 0067 (COM) CLARK, P. Medical school computer facility-A/D converter cassette tape drive and graphic record digitizer.

P07RR-00015-12 0068 (COM) DAVIS, L. Medical school computer facility-Graphics terminal usage.

P07RR-00015-12 0069 (COM) DRUM, R. Medical school computer facility-Dental pantograph recording.

P07RR-00015-12 0070 (COM) ERICKSON, R. Medical school computer facility-Protein packing patterns.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- P07RR-00015-12 0071 (COM) HOLMES, G. Medical school computer facility—Development of MEDFOR compiler.
- P07RR-00015-12 0072 (COM) KISSILEFF, H. Medical school computer facility—Analysis of meal patterns by digital computer (rats).
- P07RR-00015-12 0073 (COM) LEE, C. S. Medical school computer facility—Development and importation of statistical programs.
- P07RR-00015-12 0074 (COM) MORAD, M. Medical school computer facility—Kinetic chemical reaction simulator for heart muscle simulation.
- P07RR-00015-12 0075 (COM) PEACHEY, L. Medical school computer facility—Three-dimensional image analysis and display.
- P07RR-00015-12 0076 (COM) PRING, MARTIN. Medical school computer facility—Core conservation in the loader and fortran operating system.
- P07RR-00015-12 0077 (COM) PRING, MARTIN. Medical school computer facility—Programs for the graphic record digitizer.
- P07RR-00015-12 0078 (COM) PRING, MARTIN. Medical school computer facility—Matrix manipulation in the simulation of large systems.
- P07RR-00015-12 0079 (COM) RETI, K. Medical school computer facility—Development of teaching aids.
- P07RR-00015-12 0080 (COM) VIALE, R. Medical school computer facility—Interactive non-linear curve-fitting.
- P07RR-00015-12 0081 (COM) PRING, MARTIN. Medical school computer facility—Optimal strategy of kinetic experiments.
- P07RR-00015-12 0082 (COM) WEBB, T. Medical school computer facility—Human visual processing.
- P07RR-00015-12 0083 (COM) CHUNG, S. Medical school computer facility—Sickle cell hemoglobin patients undergoing surgery.
- P07RR-00015-12 0084 (COM) CLARKE, D. Medical school computer facility—Simulation of brain metabolism.
- P07RR-00015-12 0085 (COM) COHEN, S. Medical school computer facility—Force-velocity characteristics of smooth muscle (opossum).
- P07RR-00015-12 0086 (COM) DUBOIS, A. Medical school computer facility—Pulmonary circulatory insufficiency.
- P07RR-00015-12 0087 (COM) FORSTER, R. Medical school computer facility—Kinetics of exchange processes in red blood cells.
- P07RR-00015-12 0088 (COM) GEORGE, D. Medical school computer facility—Analysis of environmental samples for radioactivity.
- P07RR-00015-12 0089 (COM) GEORGE, D. Medical school computer facility—Radiation therapy calculation (human).
- P07RR-00015-12 0090 (COM) GERBER, B. Medical school computer facility—Perturbation studies on flagellin.
- P07RR-00015-12 0091 (COM) KARREMAN, G. Medical school computer facility—Cardiovascular control by neuron and hormonal mechanisms.
- P07RR-00015-12 0092 (COM) KASTOR, J. Medical school computer facility—Effect of atropine on heart rate.
- P07RR-00015-12 0093 (COM) OSTROW, J. Medical school computer facility—Hepatic excretory function.
- P07RR-00015-12 0094 (COM) PETERSON, R. Medical school computer facility—Protein synthesis and neuronal function in aphasia.
- P07RR-00015-12 0095 (COM) PUSCHETT, J. Medical school computer facility—Renal excretory function.
- P07RR-00015-12 0096 (COM) REIVICH, M. Medical school computer facility—Circulation in rat brain under normoxia and hypoxia.
- P07RR-00015-12 0097 (COM) REIVICH, M. Medical school computer facility—Cerebral blood flow and metabolism (monkeys, puppies).
- P07RR-00015-12 0098 (COM) ZIMMERMAN, I. Medical school computer facility—Discharge patterns in cortical neurons.
- P07RR-00015-12 0099 (COM) SCHLESS, A. Medical school computer facility—Depression and hostility.
- P07RR-00015-12 0100 (COM) SOLOWAY, R. Medical school computer facility—Factors affecting bile flow and composition (dogs).
- P07RR-00015-12 0101 (COM) STUNKARD, A. Medical school computer facility—Clinical and experimental human obesity.
- P07RR-00015-12 0102 (COM) TROTMAN, B. Medical school computer facility—Bile composition and stone formation.
- P07RR-00015-12 0103 (COM) VANDERKOGI, J. Medical school computer facility—Analysis of fluorescence decay profiles in membranes.
- P07RR-00015-12 0104 (COM) WALDRON, I. Medical school computer facility—Stress among undergraduates.
- P07RR-00015-12 0105 (COM) WARREN, L. Medical school computer facility—Structure and function of cellular organelles.
- M01RR-00030-13 (CLR) ANLYAN, WILLIAM G. DUKE UNIV MEDICAL CENTER, BOX 3701, DURHAM, N. C. General clinical research center.
- M01RR-00030-13 0001 (CLR) SIDBURY, JAMES B JR. General clinical research center—Glycogen storage disease (human).
- M01RR-00030-13 0002 (CLR) LEBOVITZ, HAROLD E. General clinical research center—Intracranial extracellular lesions on endocrine function (human).
- M01RR-00030-13 0003 (CLR) SIDBURY, JAMES B JR. General clinical research center—Hurlers syndrome (human).
- M01RR-00030-13 0004 (CLR) SIDBURY, JAMES B JR. General clinical research center—Familial ketosis (human).
- M01RR-00030-13 0007 (CLR) NASHOLD, BLAINE S. General clinical research center—Extrapyramidal disorders and focal epilepsy with electrode implants (human).
- M01RR-00030-13 0009 (CLR) BUCKLEY, CHARLES E. General clinical research center—Alterations of immunoglobulin in human disease.
- M01RR-00030-13 0015 (CLR) SIDBURY, JAMES B JR. General clinical research center—Aminoacidurias (human).
- M01RR-00030-13 0016 (CLR) STICKEL, DELFORD L. General clinical research center—Homotransplantation (human).
- M01RR-00030-13 0020 (CLR) KONG, YIHONG. General clinical research center—Aorto-coronary bypass graft (human).
- M01RR-00030-13 0022 (CLR) BUCKLEY, REBECCA H. General clinical research center—Dysgammaglobulinemias (human).
- M01RR-00030-13 0024 (CLR) GUNNELLS, J CAULIE. General clinical research center—Membranous glomerulopathy (human).
- M01RR-00030-13 0026 (CLR) GUNNELLS, J CAULIE. General clinical research center—Aldosteronism in hypertension (human).
- M01RR-00030-13 0028 (CLR) KYLSTRA, JOHANNES A. General clinical research center—Ventilation of human lungs with liquid.
- M01RR-00030-13 0029 (CLR) TYOR, MALCOLM P. General clinical research center—Bile salt metabolism in human disease.
- M01RR-00030-13 0030 (CLR) BUCKLEY, CHARLES E. General clinical research center—Relationship of gut biocenology to selected human disease.
- M01RR-00030-13 0031 (CLR) ELLIS, GEORGE J. General clinical research center—Genetic and metabolic nature of multiple endocrine adenomas (human).
- M01RR-00030-13 0034 (CLR) KELLEY, WILLIAM N. General clinical research center—Metabolism in Lesch-Nyhan syndrome (human).
- M01RR-00030-13 0035 (CLR) TINDALL, JOHN P. General clinical research center—Familial cold urticaria (human).
- M01RR-00030-13 0037 (CLR) ROSSE, WENDELL F. General clinical research center—Measurement of hemolysis using exogenous carbon monoxide (human).
- M01RR-00030-13 0039 (CLR) SIDBURY, JAMES B JR. General clinical research center—Infantile idiopathic hypoglycemia (human).
- M01RR-00030-13 0040 (CLR) TINDALL, JOHN P. General clinical research center—Pituitary adrenal axis suppression by steroids in dermatologic disorders (human).
- M01RR-00030-13 0042 (CLR) KELLEY, WILLIAM N. General clinical research center—Allopurinol therapy in gout (human).
- M01RR-00030-13 0045 (CLR) SIDBURY, JAMES B JR. General clinical research center—Immunosuppressive agents in various diseases (human).
- M01RR-00030-13 0046 (CLR) TINDALL, JOHN P. General clinical research center—Pseudoxanthoma elasticum (human).
- M01RR-00030-13 0048 (CLR) TINDALL, JOHN P. General clinical research center—Methotrexate therapy for psoriasis (human).
- M01RR-00030-13 0053 (CLR) FELDMAN, JEROME M. General clinical research center—Monamines and insulin secretion (human).
- M01RR-00030-13 0066 (CLR) ESCUETA, A V. General clinical research center—Olivocerebellar ataxias (human).
- M01RR-00030-13 0067 (CLR) NASHOLD, BLAINE S. General clinical research center—Spinal cord stimulation with implanted electrodes (human).
- M01RR-00030-13 0069 (CLR) KELLEY, WILLIAM N. General clinical research center—Effect of drugs on renal handling of uric acid (human).
- M01RR-00030-13 0072 (CLR) ROSSE, WENDELL F. General clinical research center—Ineffective erythropoiesis measured by conversion of glycine-2-C14 to C140.
- M01RR-00030-13 0073 (CLR) MAHALEY, M STEVEN. General clinical research center—Cyclospasm as a cerebral vasodilator (human).
- M01RR-00030-13 0074 (CLR) ROSSE, WENDELL F. General clinical research center—Effect of urea on sickle cell disease (human).
- M01RR-00030-13 0076 (CLR) APPEL, STANLEY H. General clinical research center—Organic approaches to dementia (human).
- M01RR-00030-13 0077 (CLR) SKYLER, JAY. General clinical research center—Metabolic and endocrine effect of rice diet (human).
- M01RR-00030-13 0085 (CLR) HANDWERGER, STUART. General clinical research center—Growth hormone administration in hypopituitarism (human).
- M01RR-00030-13 0087 (CLR) WALLACE, ANDERW G. General clinical research center—Wolff-Parkinson-White syndrome (human).
- M01RR-00030-13 0090 (CLR) NIELON, FRANCIS A. General clinical research center—Cyclic AMP levels in endocrine disorders (human).
- M01RR-00030-13 0092 (CLR) KELLEY, WILLIAM N. General clinical research center—Relationship of uric acid and Na transport in gout (human).
- M01RR-00030-13 0093 (CLR) MILLER, DONALD S. General clinical research center—Myeloproliferative syndrome (human).
- M01RR-00030-13 0094 (CLR) SHINGLETON, WILLIAM W. General clinical research center—Evaluation of regional cancer chemotherapy (human).
- M01RR-00030-13 0095 (CLR) MAHALEY, M STEVEN. General clinical research center—Irradiation and 1,3-bis (2-chloroethyl)-1-nitrosurea for brain glioma (human).
- M01RR-00030-13 0096 (CLR) SEIGLER, HERBERT F. General clinical research center—Immunology of sarcomas, melanomas and colon CA (human).
- M01RR-00030-13 0097 (CLR) MILLER, DONALD S. General clinical research center—Treatment of acute myeloblastic leukemia (human).
- M01RR-00030-13 0100 (CLR) MILLER, DONALD S. General clinical research center—Use of blood cell separator (human).
- M01RR-00030-13 0102 (CLR) MILLER, DONALD S. General clinical research center—Treatment of lymphocytic and lymphoblastic leukemia with immune plasma.
- M01RR-00030-13 0104 (CLR) MILLER, DONALD S. General clinical research center—Study of platinum, diaminedichloro, CIS (human).
- M01RR-00030-13 0109 (CLR) LEROVITZ, HAROLD E. General clinical research center—Adrenal and extra-adrenal effects of ACTH and related peptides (human).
- M01RR-00030-13 0110 (CLR) BRODY, IRWIN A. General clinical research center—The p-nitrophenylphosphatase activity of denervated human muscle.
- M01RR-00030-13 0111 (CLR) ROSSE, WENDELL F. General clinical research center—Hereditary angioneurotic edema (human).
- M01RR-00030-13 0112 (CLR) APPEL, STANLEY H. General clinical research center—Membrane studies in myotonic dystrophy (human).
- M01RR-00030-13 0113 (CLR) ROSSE, WENDELL F. General clinical research center—Immune mechanism in thrombocytopenia (human).
- M01RR-00030-13 0114 (CLR) ROSTAND, STEPHEN G. General clinical research center—Sodium excretion in hypertension with normal glomerular filtration (human).
- M01RR-00030-13 0115 (CLR) STRAUSS, HAROLD C. General clinical research center—Disturbances of sinus node function (human).
- M01RR-00030-13 0116 (CLR) ROE, CHARLES. General clinical research center—Effect of disodium etidronate in diseases of ectopic calcification (human).
- M01RR-00030-13 0117 (CLR) HAREL, JAMES B, JR. General clinical research center—Cerebral response to oxygenation in organic dementia (human).
- M01RR-00030-13 0118 (CLR) SIDBURY, JAMES B, JR. General clinical research center—Childhood obesity.
- M01RR-00030-13 0119 (CLR) HAMMOND, CHARLES. General clinical research center—Use of LH releasing factor in pituitary function test.
- M01RR-00030-13 0120 (CLR) QUARFOORD, STEVEN H. General clinical research center—Estimation of cholesterol and bile acid turnover in man.
- M01RR-00030-13 0121 (CLR) LANDERS, MAURICE. General clinical research center—L-dopa stimulated growth hormone levels in juvenile diabetics.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
M01RR-00030-13 0122 (CLR) ELLIS, GEORGE J. General clinical research center—Effect of low carbohydrate diet on reactive hypoglycemia (human).	M01RR-00031-14 0068 (CLR) WILLIAMS, GORDON H. General clinical research center—Pituitary-adrenal relationship—Aldosterone secretion in normal man.
M01RR-00030-13 0123 (CLR) FELDMAN, JEROME M. General clinical research center—Insulin release during cephalic phase of digestion in volunteers.	M01RR-00031-14 0069 (CLR) WILLIAMS, GORDON H. General clinical research center—Response of aldosterone biosynthesis to dietary manipulation (human).
M01RR-00030-13 0124 (CLR) ZUNG, WILLIAM W. K. General clinical research center—Gerovital H3 for depressed elderly.	M01RR-00031-14 0070 (CLR) WILLIAMS, GORDON H. General clinical research center—Pituitary-testes axis (human).
M01RR-00030-13 0125 (CLR) TINDALL, JOHN P. General clinical research center—Intra-arterial reserpine in diabetic ulcers (human).	M01RR-00031-14 0071 (CLR) DLUHY, ROBERT G. General clinical research center—Hypopituitarism (human).
M01RR-00030-13 0126 (CLR) SIDBURY, JAMES B. JR. General clinical research center—Bioavailability studies of fenopifen (human).	M01RR-00031-14 0072 (CLR) ROSE, LESLIE I. General clinical research center—Abnormalities of androgen metabolism (human).
M01RR-00030-13 0127 (CLR) ELLIS, GEORGE J. General clinical research center—Familial endocrine neoplasia.	M01RR-00031-14 0073 (CLR) BERGER, MERLE J. General clinical research center—Control of human corpus luteum function.
M01RR-00030-13 0128 (CLR) BUCKLEY, REBECCA H. General clinical research center—Immune function in atopic eczema (human).	M01RR-00032-14 (CLR) PITTMAN, JAMES A., JR., UNIV OF ALABAMA MEDICAL CENTER, 1919 SEVENTH AVENUE SOUTH, BIRMINGHAM, ALA. General clinical research center.
M01RR-00030-13 0129 (CLR) MAHALEY, M. STEVEN. General clinical research center—Treatment of malignant brain glioma—Phase II (human).	M01RR-00032-14 0002 (CLR) CLEMENTS, REX S., JR. General clinical research center—Glucogenesis in health and disease (human).
M01RR-00030-13 0130 (CLR) STICKNEY, DWIGHT R. General clinical research center—2,4-diamino-5-(3',4'-dichlorophenyl)-6-methyl pyrimidine for leukemia.	M01RR-00032-14 0015 (CLR) MONTES, LEOPOLDO F. General clinical research center—Pathogenesis of human candidiasis.
M01RR-00030-13 0131 (CLR) MILLER, DONALD S. General clinical research center—Acute leukemia treated by beta-deoxythioguanosine (human).	M01RR-00032-14 0017 (CLR) RACKLEY, CHARLES E. General clinical research center—Cardiac performance after myocardial infarct (human).
M01RR-00030-13 0132 (CLR) MAHALEY, M. STEVEN. General clinical research center—Immunological competence of brain tumor patients.	M01RR-00032-14 0018 (CLR) HOLT, JOHN. General clinical research center—Diagnosis of ischemic heart disease by exercise electrocardiography (human).
M01RR-00030-13 0133 (CLR) MILLER, DONALD S. General clinical research center—Effect of cytosine arabinoside and thioguanine in granulocytic leukemia (human).	M01RR-00032-14 0025 (CLR) COOPER, MAX D. General clinical research center—Abnormalities of immune system development.
M01RR-00030-13 0134 (CLR) ANLIAN, WILLIAM G. General clinical research center—Effects of aorto-coronary by-pass surgery on treadmill exercise test (human).	M01RR-00032-14 0027 (CLR) DOWDY, ELIZABETH, G. General clinical research center—Innovar in treatment of Menieres disease (human).
M01RR-00031-14 (CLR) BRAUNWALD, EUGENE, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. General clinical research center.	M01RR-00032-14 0030 (CLR) BUTTERWORTH, CHARLES E. General clinical research center—Metabolic problems in megaloblastic anemia (human).
M01RR-00031-14 0004 (CLR) CAHILL, GEORGE. General clinical research center—Metabolic response of normal and prediabetic man to starvation.	M01RR-00032-14 0033 (CLR) FINLEY, SARA C. General clinical research center—Evaluation of patients with genetic disorders.
M01RR-00031-14 0009 (CLR) GORLUM, RICHARD. General clinical research center—Coronary insufficiency, myocardial metabolism and cardiac function (human).	M01RR-00032-14 0033 (CLR) HOOD, WILLIAM P. General clinical research center—Evaluation of myocardial function in valvular heart disease (human).
M01RR-00031-14 0010 (CLR) MOLONEY, WILLIAM C. General clinical research center—Genetic influences in bone marrow dysfunction (human).	M01RR-00032-14 0042 (CLR) JONES, W. B. General clinical research center—Diagnosis of ischemic heart disease (human).
M01RR-00031-14 0015 (CLR) NICHOLS, GEORGE JR. General clinical research center—Cellular basis of bone disorders (human).	M01RR-00032-14 0048 (CLR) RANSAL, P. C. General clinical research center—Neuronal control of insulin secretion by insulinomas.
M01RR-00031-14 0018 (CLR) GOLDSTEIN, DONALD. General clinical research center—Trophoblastic neoplasms of gestational origin (human).	M01RR-00032-14 0049 (CLR) BUTTERWORTH, CHARLES E. General clinical research center—Folic acid turnover in man.
M01RR-00031-14 0019 (CLR) TAYMOR, MELVIN L. General clinical research center—Endocrine survey of polycystic ovary (human).	M01RR-00032-14 0050 (CLR) BUTTERWORTH, CHARLES E. General clinical research center—Parenteral nutrition.
M01RR-00031-14 0021 (CLR) TYLER, H. RICHARD. General clinical research center—Effect of guanidine on ALS (human).	M01RR-00032-14 0051 (CLR) BUTTERWORTH, CHARLES E. General clinical research center—Intestinal absorption of folic acid glutamates.
M01RR-00031-14 0023 (CLR) HOLLENBERG, NORMAN K. General clinical research center—Effect of vasodilators on intrarenal hemodynamics in man.	M01RR-00032-14 0052 (CLR) MCDANIEL, HUEY. General clinical research center—Effect of alpha-methyl-para-tyrosine on metastatic pheochromocytoma.
M01RR-00031-14 0030 (CLR) WILLIAMS, GORDON H. General clinical research center—Pituitary-adrenal axis—Hypertension.	M01RR-00032-14 0054 (CLR) MONTES, LEOPOLDO F. General clinical research center—Pathogenesis and treatment of Darier's disease.
M01RR-00031-14 0032 (CLR) HOLLENBERG, N. K. General clinical research center—Effect of sodium intake on renal blood flow (human).	M01RR-00032-14 0056 (CLR) GLEYSTEN, JOHN. General clinical research center—Apomorphine and its relationship to the dumping syndrome.
M01RR-00031-14 0035 (CLR) HOLLENBERG, NORMAN K. General clinical research center—Renal vascular state and reactivity in hypertension (human).	M01RR-00032-14 0061 (CLR) RUSSELL, RICHARD O. General clinical research center—Therapy of idiopathic postural hypotension.
M01RR-00031-14 0036 (CLR) TAYMOR, MELVIN L. General clinical research center—Pituitary-ovarian relationships (human).	M01RR-00032-14 0063 (CLR) DETTMER, R. W. General clinical research center—Long term follow-up of acute renal failure (human).
M01RR-00031-14 0037 (CLR) SULLIVAN, JAY M. General clinical research center—Hemodynamics and endocrine patterns in hypertension (human).	M01RR-00032-14 0064 (CLR) REYNERTSON, RICHARD. General clinical research center—Dynamics of secretion of glucoregulatory hormones (human).
M01RR-00031-14 0038 (CLR) SULLIVAN, JAY M. General clinical research center—Effect of thiazide diuretic on magnesium excretion (human).	M01RR-00032-14 0065 (CLR) LORINCZ, ANDREW E. General clinical research center—Mucopolysaccharide metabolism in maroteau lamy syndrome.
M01RR-00031-14 0045 (CLR) WILLIAMS, GORDON. General clinical research center—Pituitary-adrenal axis interrelationship with edematous states (human).	M01RR-00032-14 0066 (CLR) CHIBEN, LAWRENCE T. General clinical research center—Adenine arabinoside treatment of herpesvirus hominis infection.
M01RR-00031-14 0047 (CLR) WILLIAMS GORDON H. General clinical research center—Pituitary-adrenal axis—Aldosterone secretion in hyperthyroidism (human).	M01RR-00032-14 0067 (CLR) PITTMAN, CONSTANCE S. General clinical research center—Action and metabolism of thyroid hormones (human).
M01RR-00031-14 0054 (CLR) CAHILL, GEORGE F. General clinical research center—Hormonal control of fuel metabolism (human).	M01RR-00032-14 0068 (CLR) JACKSON, DAVID. General clinical research center—Prospective study of ischemic heart disease and normal coronary arteriograms.
M01RR-00031-14 0057 (CLR) MALONEY, WILLIAM C. General clinical research center—Bone marrow transplantation in bone marrow failure (human).	M01RR-00032-14 0069 (CLR) WHITNEY, RICHARD J. General clinical research center—ARA-A in treatment of herpes zoster in patients without immunosuppression.
M01RR-00031-14 0058 (CLR) MALONEY, WILLIAM C. General clinical research center—Clinical and pathological staging of Hodgkin's disease (human).	M01RR-00032-14 0070 (CLR) ALLEN, JOE C. General clinical research center—Renin secretion in interstitial nephritis (human).
M01RR-00031-14 0059 (CLR) CARPENTER, CHARLES. General clinical research center—Metabolism of complement in glomerulonephritis (human).	M01RR-00032-14 0071 (CLR) BAXLEY, WILLIAM A. General clinical research center—Cardiac function in chronic renal failure (human).
M01RR-00031-14 0060 (CLR) MERRILL, JOHN P. General clinical research center—Parathyroid hormone and calcium on carbohydrate metabolism in uremic patients.	M01RR-00032-14 0072 (CLR) CLEMENTS, REX S. General clinical research center—Myoinositol metabolism in uremia (human).
M01RR-00031-14 0061 (CLR) DAWSON, DAVID. General clinical research center—McArdle's disease with unusual enzyme abnormalities (human).	M01RR-00032-14 0073 (CLR) ROSTAND, STEPHEN G. General clinical research center—Hormonal interrelations in uremic carbohydrate intolerance (human).
M01RR-00031-14 0062 (CLR) FLANAGAN, BARRY. General clinical research center—Therapy evacuation in chronic skeletal disease (human).	M01RR-00032-14 0074 (CLR) CLEMENTS, REX S. General clinical research center—Myoinositol metabolism in diabetes mellitus (human).
M01RR-00031-14 0063 (CLR) FREI, EMM. General clinical research center—New cancer chemotherapeutic agents with combination cancer chemotherapy.	M01RR-00032-14 0075 (CLR) BAXLEY, WILLIAM A. General clinical research center—Cardiomyopathy—Hemodynamic and survival studies.
M01RR-00031-14 0064 (CLR) HOLLENBERG, NORMAN. General clinical research center—Renal response to mental stress (human).	M01RR-00032-14 0076 (CLR) RUSSELL, R. O., JR. General clinical research center—Therapy of idiopathic postural hypotension (human).
M01RR-00031-14 0065 (CLR) HOLLENBERG, NORMAN. General clinical research center—Na intake and renal-adrenal response to angiotensin II (human, rabbits).	M01RR-00034-14 (CLR) CRAMBLETT, HENRY, OHIO STATE UNIVERSITY, 370 WEST 9TH AVENUE, COLUMBUS, OHIO. General clinical research center.
M01RR-00031-14 0066 (CLR) HOLLENBERG, NORMAN. General clinical research center—Influence of birth control pill on renal responsiveness to angiotensin II (human).	M01RR-00034-14 0021 (CLR) TZAGOURNIS, MANUEL. General clinical research center—Use of streptozotocin in pancreatic tumors (human).
M01RR-00031-14 0067 (CLR) TYLER, H. RICHARD. General clinical research center—Genetic study of neurologic disease (human).	M01RR-00034-14 0029 (CLR) ZOLLINGER, ROBERT. General clinical research center—Management of short bowel syndrome and chronic hypochloremic alkalosis (human).
	M01RR-00034-14 0031 (CLR) WILSON, HENRY E. General clinical research center—Cancer chemotherapy (human).
	M01RR-00034-14 0036 (CLR) DICKEY, RICHARD. General clinical research center—Effect of hypotensive agents on toxemia of pregnancy (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00034-14 0037 (CLR) FERRIS, THOMAS F. General clinical research center—Effects of sodium balance on renin levels in renal hypertension (human).
- MO1RR-00034-14 0039 (CLR) FONTANA, MARY. General clinical research center—Postural changes in left ventricular and mitral valve dynamics (human).
- MO1RR-00034-14 0040 (CLR) BUSH, CHARLES. General clinical research center—Left ventricular function in congestive heart failure (human).
- MO1RR-00034-14 0041 (CLR) GEORGE, JACK M. General clinical research center—Drugs affecting secretion of corticotropin (human).
- MO1RR-00034-14 0042 (CLR) STEPPES, PAUL. General clinical research center—Hormone producing tumors of pancreas (human).
- MO1RR-00034-14 0043 (CLR) SKILLMAN, THOMAS G. General clinical research center—Ortho para DDD in Cushing's disease (human).
- MO1RR-00034-14 0045 (CLR) REYNERTSON, RICHARD. General clinical research center—Thyrotropin releasing factor (human).
- MO1RR-00034-14 0047 (CLR) MALARKEY, WILLIAM B. General clinical research center—Prolactin secretion in breast cancer (human).
- MO1RR-00034-14 0048 (CLR) MALARKEY, WILLIAM B. General clinical research center—L-dopa therapy in galactorrhea (human).
- MO1RR-00034-14 0049 (CLR) SKILLMAN, THOMAS G. General clinical research center—Residual pituitary function in acromegaly after hypophysectomy (human).
- MO1RR-00034-14 0050 (CLR) GEORGE, JACK M. General clinical research center—Pseudohypoparathyroidism (human).
- MO1RR-00034-14 0051 (CLR) TZAGOURNIS, MANUEL. General clinical research center—Effects of overfeeding sugars on glucose, insulin and lipid metabolism (human).
- MO1RR-00034-14 0058 (CLR) GALLAGHER, CHARLETTE E. General clinical research center—Calcium absorption in lactulose intolerant patients fed dairy products (human).
- MO1RR-00034-14 0059 (CLR) MEKHJIAN, HAGOP S. General clinical research center—National cooperative study of Crohn's disease (human).
- MO1RR-00034-14 0061 (CLR) WILSON, HENRY E. General clinical research center—Lymphocyte depletion in refractory cases of chronic lymphocytic leukemia (human).
- MO1RR-00034-14 0064 (CLR) BROMBERG, PHILIP A. General clinical research center—Ability of stored blood to transport oxygen in vivo (human).
- MO1RR-00034-14 0066 (CLR) LOBUGLIO, ALBERT F. General clinical research center—Modification of cellular immunity in neoplasia (human).
- MO1RR-00034-14 0067 (CLR) METZ, EARL N. General clinical research center—Lymphocyte transfer factor in treatment of acute leukemia (human).
- MO1RR-00034-14 0069 (CLR) SASLAW, SAMUEL. General clinical research center—Effect of gentamicin in urinary tract infections (human).
- MO1RR-00034-14 0071 (CLR) FERRIS, THOMAS F. General clinical research center—Effect of androgen therapy in anemia of uremia (human).
- MO1RR-00034-14 0073 (CLR) LEIGHTON, RICHARD F. General clinical research center—Cardiac function in chronic lung disease (human).
- MO1RR-00034-14 0074 (CLR) LOWNEY, EDMUND. General clinical research center—Treatment of scleroderma with azulfidine (human).
- MO1RR-00034-14 0075 (CLR) STEPPES, PAUL. General clinical research center—Control of cortisol hypersecretion in Cushing's disease (human).
- MO1RR-00034-14 0076 (CLR) SKILLMAN, THOMAS G. General clinical research center—Relation of DBI-blood levels to lactic acidosis (human).
- MO1RR-00034-14 0077 (CLR) SPAKIANAKIS, GEORGE. General clinical research center—Hypothalamic-pituitary-adrenal response to L-tyrosine in Cushing's disease.
- MO1RR-00034-14 0078 (CLR) ALMONEY, ROBERT. General clinical research center—Sipple syndrome, medullary thyroid Ca, pheochromocytomas (human).
- MO1RR-00034-14 0079 (CLR) RAMMOHAN, K W. General clinical research center—Pseudohypoparathyroidism and thyrotropin deficiency (human).
- MO1RR-00034-14 0080 (CLR) GEORGE, JACK M. General clinical research center—ACTH 4-10 study (human).
- MO1RR-00034-14 0081 (CLR) CROCKETT, SAMUEL E. General clinical research center—Role of gastric inhibitory polypeptide in abnormal states (human).
- MO1RR-00034-14 0082 (CLR) CALDWELL, JAMES. General clinical research center—Lactulose study in portal systemic encephalopathy (human).
- MO1RR-00034-14 0083 (CLR) BALCKERZAK, STANLEY P. General clinical research center—Herpes Zoster (human).
- MO1RR-00034-14 0084 (CLR) RINEHART, JOHN J. General clinical research center—Cardiotoxicity of adriamycin (human).
- MO1RR-00034-14 0085 (CLR) MENDELL, JERRY. General clinical research center—Duchenne muscular dystrophy—New approach to therapy (human).
- MO1RR-00034-14 0086 (CLR) TETERIS, NICHOLAS J. General clinical research center—Effect of thyroid releasing hormone on function of human corpus luteum.
- MO1RR-00034-14 0087 (CLR) ZOLLINOER, ROBERT. General clinical research center—Relationship of multiple adenomas to GI pathology (human).
- MO1RR-00034-14 0088 (CLR) FERRIS, THOMAS F. General clinical research center—Study of Na transport from intestine in uremia (human).
- MO1RR-00034-14 0089 (CLR) FERRIS, THOMAS F. General clinical research center—Plasma renin and aldosterone during pregnancy (human).
- MO1RR-00034-14 0090 (CLR) FERRIS, THOMAS F. General clinical research center—Plasma renin activity and aldosterone in idiopathic edema (human).
- MO1RR-00034-14 0091 (CLR) GEORGE, JACK M. General clinical research center—Inherited medullary carcinoma of the thyroid (human).
- MO1RR-00034-14 0092 (CLR) SAGONE, ARTHUR. General clinical research center—Effects of smoking on tissue oxygen supply and erythrocytosis.
- MO1RR-00034-14 0093 (CLR) TZAGOURNIS, MANUEL. General clinical research center—Total lipodystrophy (human).
- MO1RR-00035-14 (CLR) MORGAN, RUSSELL H, JOHNS HOPKINS UNIV SCH OF MED, 725 N WOLFE STREET, BALTIMORE, MD. General clinical research centers.
- MO1RR-00035-14 0001 (CLR) ROSS, RICHARD S. General clinical research centers—Coronary artery disease (human).
- MO1RR-00035-14 0003 (CLR) ROSS, RICHARD S. General clinical research centers—Coronary vasodilator study (human).
- MO1RR-00035-14 0022 (CLR) JONES, HOWARD. General clinical research centers—Response of male hermaphroditis to testosterone (human).
- MO1RR-00035-14 0033 (CLR) HENDRIX, THOMAS R. General clinical research centers—Intestinal disaccharidases (human).
- MO1RR-00035-14 0038 (CLR) HENDRIX, THOMAS R. General clinical research centers—Water and salt balance in cirrhosis (human).
- MO1RR-00035-14 0039 (CLR) HENDRIX, THOMAS R. General clinical research centers—Chronic malabsorption (human).
- MO1RR-00035-14 0040 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Heritable disorders of connective tissues (human).
- MO1RR-00035-14 0042 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Genetic disorders of osseous skeleton (human).
- MO1RR-00035-14 0040 (CLR) BLUMER, D. General clinical research centers—Cortical excisions (human).
- MO1RR-00035-14 0062 (CLR) BALL, WILMOT C, JR.. General clinical research centers—Early lung cancer (human).
- MO1RR-00035-14 0063 (CLR) BAYLESS, THEODORE M. General clinical research centers—Intestinal bacterial flora with cephalosin, cephaloglyci.
- MO1RR-00035-14 0064 (CLR) BIANCHINI, JOSEPH R. General clinical research centers—Effect of MK-486 and vB6 on L-dopa metabolism (human).
- MO1RR-00035-14 0065 (CLR) BLEDSOE, TURNER. General clinical research centers—Steroid metabolism (human).
- MO1RR-00035-14 0066 (CLR) BLIZZARD, ROBERT M. General clinical research centers—Effect of cortisone on alopecia (human).
- MO1RR-00035-14 0067 (CLR) CAMERON, JOHN L. General clinical research centers—Lipid metabolism in pancreatitis and hyperlipemia (human).
- MO1RR-00035-14 0071 (CLR) MARGOLIS, SIMON. General clinical research centers—Role of catecholamines in fasting (human).
- MO1RR-00035-14 0072 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Miroys disease (human).
- MO1RR-00035-14 0073 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Tryptophan excretion studies (human).
- MO1RR-00035-14 0074 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Kindred studies in genetic disorders (human).
- MO1RR-00035-14 0075 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Genetic disorders in Amish.
- MO1RR-00035-14 0076 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Rare recessive disorders in a genetic isolate (human).
- MO1RR-00035-14 0077 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Familial dysautonomia (human).
- MO1RR-00035-14 0080 (CLR) ROSS, RICHARD S. General clinical research centers—Cineangiography studies of valvular disease (human).
- MO1RR-00035-14 0081 (CLR) ROSS, RICHARD S. General clinical research centers—Congenital heart defects (human).
- MO1RR-00035-14 0083 (CLR) ROSS, RICHARD S. General clinical research centers—Post-operative evaluation of tetralogy of Fallot (human).
- MO1RR-00035-14 0036 (CLR) TYSON, JOHN E A. General clinical research centers—Control on insulin and growth hormone in pregnancy-arginine infusion (human).
- MO1RR-00035-14 0088 (CLR) WALKER, W GORDON. General clinical research centers—Mechanism of renal excretion of protein (human).
- MO1RR-00035-14 0090 (CLR) WALKER, W GORDON. General clinical research centers—Hypertension and aldosterone secretion (human).
- MO1RR-00035-14 0091 (CLR) WALKER, W GORDON. General clinical research centers—Nephrosis—Mechanism of proteinuria (human).
- MO1RR-00035-14 0092 (CLR) WALKER, W GORDON. General clinical research centers—Fasting in extreme obesity (human).
- MO1RR-00035-14 0093 (CLR) WALKER, W GORDON. General clinical research centers—Renal tubular acidosis (human).
- MO1RR-00035-14 0094 (CLR) WALKER, W GORDON. General clinical research centers—Idiopathic edema (human).
- MO1RR-00035-14 0095 (CLR) WALKER, W GORDON. General clinical research centers—Antibiotic concentration in kidney at nephrectomy (human).
- MO1RR-00035-14 0097 (CLR) WALKER, W GORDON. General clinical research centers—Therapeutic value of keto acids in uremia—Nitrogen metabolism (human).
- MO1RR-00035-14 0098 (CLR) ASPER, S. General clinical research centers—Thyroid-pituitary axis (human).
- MO1RR-00035-14 0099 (CLR) BLIZZARD, ROBERT M. General clinical research centers—Adrenal function in obesity and Cushing disease (human).
- MO1RR-00035-14 0100 (CLR) BLIZZARD, ROBERT M. General clinical research centers—Effect of placental lactogen in hypopituitarism (human).
- MO1RR-00035-14 0101 (CLR) BLIZZARD, ROBERT M. General clinical research centers—Pituitary hormone in hypopituitarism (human).
- MO1RR-00035-14 0102 (CLR) CONLEY, L. General clinical research centers—Heart disease in sickle cell anemia (human).
- MO1RR-00035-14 0103 (CLR) CONLEY, L. General clinical research centers—Comparison of cabamyl and cyanate therapy for sickle cell anemia (human).
- MO1RR-00035-14 0104 (CLR) CONLEY, L. General clinical research centers—Liver disease in sickle cell anemia (human).
- MO1RR-00035-14 0105 (CLR) CONLEY, L. General clinical research centers—Absorption of orally administered cyanate (human).
- MO1RR-00035-14 0106 (CLR) HALSTED, C. General clinical research centers—Digestion and absorption of folates in alcoholism.
- MO1RR-00035-14 0107 (CLR) HAMILTON, C. General clinical research centers—Treatment of Paget's disease (human).
- MO1RR-00035-14 0108 (CLR) MADDOREY, W. General clinical research centers—Alcoholic hepatitis (human).
- MO1RR-00035-14 0109 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Arteriographic studies on thromboangitis obliterans (human).
- MO1RR-00035-14 0110 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Antihypertensive compounds (human).
- MO1RR-00035-14 0111 (CLR) MCKUSICK, VICTOR A. General clinical research centers—Presenile dementia.
- MO1RR-00035-14 0112 (CLR) OWENS, A. General clinical research centers—Chemotherapy of neoplastic disease.
- MO1RR-00035-14 0113 (CLR) POZEPSKY, T. General clinical research centers—Pendred's syndrome (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- MO1RR-00035-14 0114 (CLR) SEEGAR-JONES G. General clinical research centers-Endocrine studies in ovarian agenesis (human).
- MO1RR-00035-14 0115 (CLR) SEEGAR, JONES G. General clinical research centers-Ovarian function-androgen formation (human).
- MO1RR-00035-14 0116 (CLR) SEEGAR-JONES G. General clinical research centers-Induction of ovulation in hypogonadotropic patients.
- MO1RR-00035-14 0117 (CLR) WALKER, W GORDON. General clinical research centers-Hypokalemic alkalosis (human).
- MO1RR-00035-14 0118 (CLR) WALKER, W GORDON. General clinical research centers-Immunosuppressive therapy in nephrotic syndrome (human).
- MO1RR-00035-14 0119 (CLR) WALKER, W GORDON. General clinical research centers-Hyponatremia (human).
- MO1RR-00035-14 0120 (CLR) WALKER, W GORDON. General clinical research centers-Tetracycline metabolism (human).
- MO1RR-00035-14 0121 (CLR) WALKER, W GORDON. General clinical research centers-Glucose metabolism in uremia (human).
- MO1RR-00035-14 0122 (CLR) WALKER, W GORDON. General clinical research centers-Regulation of aldosterone in anephric patients.
- MO1RR-00035-14 0123 (CLR) WALSER, M. General clinical research centers-Experimental magnesium deficiency (human).
- MO1RR-00035-14 0124 (CLR) WILLIAMS, M. General clinical research centers-Renal transplant histopathology (human).
- MO1RR-00035-14 0125 (CLR) MORGAN, RUSSELL H. General clinical research centers-Angiotensin II (human).
- MO1RR-00035-14 0126 (CLR) MORGAN, RUSSELL H. General clinical research centers-Assay for catecholamines (human).
- MO1RR-00035-14 0127 (CLR) MORGAN, RUSSELL H. General clinical research centers-Aortic-coronary vein bypass surgery for coronary disease (human).
- MO1RR-00036-14 (CLR) KIPNIS, DAVID M, WASHINGTON UNIV SCH OF MED, 660 SOUTH EUCLID, ST LOUIS, MO. General clinical research center.
- MO1RR-00036-14 0002 (CLR) CHAPLIN, HUGH JR. General clinical research center-Spasticity with upper motor neuron lesions (human).
- MO1RR-00036-14 0017 (CLR) WARREN, JAMES. General clinical research center-Adrenogenital and Stein-Leventhal syndromes (human).
- MO1RR-00036-14 0023 (CLR) LOEB, VIRGIL. General clinical research center-Cancer chemotherapy (human).
- MO1RR-00036-14 0032 (CLR) VIETTI, TERESA J. General clinical research center-Toxicology and pharmacology of cancer chemotherapy agents (human).
- MO1RR-00036-14 0036 (CLR) WISE, LESLIE. General clinical research center-Gastric physiology (human).
- MO1RR-00036-14 0038 (CLR) KIPNIS, DAVID M. General clinical research center-Growth hormone antagonism to insulin and beta cell stimulation (human).
- MO1RR-00036-14 0040 (CLR) KIPNIS, DAVID M. General clinical research center-Insulin secretion in obesity-Carbohydrate infusion after fasting (human).
- MO1RR-00036-14 0041 (CLR) MAHN, BEVRA. General clinical research center-Imuran therapy of systemic lupus erythematosus (human).
- MO1RR-00036-14 0042 (CLR) DAUGHADAY, WILLIAM. General clinical research center-University group diabetes program (human).
- MO1RR-00036-14 0043 (CLR) AVIOLI, LOUIS. General clinical research center-Dietary lactose and intestinal absorption of Ca and vit D (human).
- MO1RR-00036-14 0044 (CLR) AVIOLI, LOUIS. General clinical research center-Pagets disease (human).
- MO1RR-00036-14 0045 (CLR) BALLINGER, WALTER F. General clinical research center-Small bowel perfusion (human).
- MO1RR-00036-14 0049 (CLR) SLATOPOLSKY, EDUARDO. General clinical research center-Renal homotransplants from cadaver donors (human).
- MO1RR-00036-14 0051 (CLR) AACH, RICHARD. General clinical research center-Protein enteropathy and liver cirrhosis (human).
- MO1RR-00036-14 0056 (CLR) DAUGHADAY, WILLIAM. General clinical research center-Study of abnormal growth (human).
- MO1RR-00036-14 0057 (CLR) DAUGHADAY, WILLIAM. General clinical research center-Effect of medroxyprogesterone acetate in acromegaly (human).
- MO1RR-00036-14 0059 (CLR) GOLDRING, SIDNEY. General clinical research center-Bioelectric studies in cerebral cortex of man.
- MO1RR-00036-14 0060 (CLR) KIPNIS, DAVID M. General clinical research center-Turnover of beta-lipoprotein in familial type II hyperlipoproteinemia (human).
- MO1RR-00036-14 0065 (CLR) PERRY, H MITCHELL. General clinical research center-Evaluation of antihypertensive effect of CP-19, 106-1 (human).
- MO1RR-00036-14 0066 (CLR) PIERCE, JOHN A. General clinical research center-Pulmonary emphysema with alpha-antitrypsin deficiency (human).
- MO1RR-00036-14 0068 (CLR) GRANT, NEVILLE. General clinical research center-Long-term followup of hyperlipoproteinemia (human).
- MO1RR-00036-14 0069 (CLR) RIMON, DAVID L. General clinical research center-Genetics and pathogenesis of birth defects (human).
- MO1RR-00036-14 0070 (CLR) DODGE, PHILLIP R. General clinical research center-L-dopa for childhood movement disorders (human).
- MO1RR-00036-14 0071 (CLR) DEVIVO, DARRYL C. General clinical research center-Effects of chronic ketosis on CNS function (human).
- MO1RR-00036-14 0073 (CLR) WELDON, VIRGINIA V. General clinical research center-Response of plasma aldosterone to surgical stress (human).
- MO1RR-00036-14 0075 (CLR) WELDON, VIRGINIA V. General clinical research center-Study of abnormal growth (human).
- MO1RR-00036-14 0076 (CLR) DEVIVO, DARRYL C. General clinical research center-Turnover rates of radiolabeled proteins in subdural effusions (human).
- MO1RR-00036-14 0078 (CLR) WELDON, VIRGINIA V. General clinical research center-Aldosterone response to low sodium diet in adrenogenital syndrome (human).
- MO1RR-00036-14 0079 (CLR) PRENSKY, ARTHUR L. General clinical research center-Transport defects in Hartnups disease (human).
- MO1RR-00036-14 0081 (CLR) AVIOLI, LOUIS. General clinical research center-Polyphosphate therapy of myositis ossificans progressive (human).
- MO1RR-00036-14 0082 (CLR) PAGLIARA, ANTHONY S. General clinical research center-Hepatomegaly secondary to glycogen storage disease (human).
- MO1RR-00036-14 0084 (CLR) PAGLIARA, ANTHONY S. General clinical research center-Ketotic hypoglycemia (human).
- MO1RR-00036-14 0085 (CLR) PAGLIARA, ANTHONY S. General clinical research center-Hypoglycemia in early childhood.
- MO1RR-00036-14 0008 (CLR) ROBSON, ALAN M. General clinical research center-Glomerular permeability to PVP in nephrotic syndrome, glomerulonephritis (human).
- MO1RR-00036-14 0039 (CLR) ROBSON, ALAN M. General clinical research center-Chemical and immunologic studies in familial nephritis (human).
- MO1RR-00036-14 0092 (CLR) AACH, RICHARD. General clinical research center-Persistent hepatitis B Australia antigen carrier (human).
- MO1RR-00036-14 0094 (CLR) AACH, RICHARD. General clinical research center-Association of carcinoembryonic antigen and GI neoplasm (human).
- MO1RR-00036-14 0095 (CLR) DEVIVO DARRYL C. General clinical research center-Medium chain triglyceride supplementation and muscular dystrophy (human).
- MO1RR-00036-14 0096 (CLR) BIRD, MORRIS T. General clinical research center-CSF formation and absorption in varied clinical states (human).
- MO1RR-00036-14 0097 (CLR) APLERS, DAVID. General clinical research center-Intestinal protein metabolism and function (human).
- MO1RR-00036-14 0099 (CLR) KEATING, JAMES P. General clinical research center-Dysgamma globulinemic family.
- MO1RR-00036-14 0100 (CLR) BARTON, LESLIE. General clinical research center-Use of klex for cervical adenitis (human).
- MO1RR-00036-14 0101 (CLR) FEIGIN, RALPH D. General clinical research center-NBT test in selected childhood disorders.
- MO1RR-00036-14 0102 (CLR) FEIGIN, RALPH D. General clinical research center-Inborn metabolic error-Identification of enzymatic defect (human).
- MO1RR-00036-14 0103 (CLR) AVIOLI, LOUIS. General clinical research center-Treatment of ectopic calcification with diphosphonate (human).
- MO1RR-00036-14 0104 (CLR) AVIOLI, LOUIS. General clinical research center-Calcitonin treatment of osteogenesis imperfecta (human).
- MO1RR-00036-14 0106 (CLR) AACH, RICHARD. General clinical research center-Effect of cortico-steroids on hepatic synthesis of bilirubin (human).
- MO1RR-00036-14 0107 (CLR) HARTMAN, ALEXIS F. General clinical research center-Follow-up after repair of coarctation of aorta (human).
- MO1RR-00036-14 0108 (CLR) ROBSON, ALAN G. General clinical research center-Inborn errors and acquired defects of renal function (human).
- MO1RR-00036-14 0109 (CLR) AACH, RICHARD. General clinical research center-Vivonex inflammatory bowel disease and short bowel syndrome (human).
- MO1RR-00036-14 0111 (CLR) AVIOLI, LOUIS. General clinical research center-Metabolic bone disease (human).
- MO1RR-00036-14 0112 (CLR) AVIOLI, LOUIS. General clinical research center-Thiazide effects on calcium homeostasis in hypercalciuria (human).
- MO1RR-00036-14 0113 (CLR) BALLINGER, WALTER F. General clinical research center-Small intestinal by-pass for exogenous obesity (human).
- MO1RR-00036-14 0114 (CLR) BERO, LEONARD. General clinical research center-Research in dementia (human).
- MO1RR-00036-14 0115 (CLR) BIRGE, STANLEY A. General clinical research center-Role of heparin in bone resorption in hypercalciuria.
- MO1RR-00036-14 0117 (CLR) BROOK, JOHN E. General clinical research center-Cardiorespiratory function in sleeping stroke patient.
- MO1RR-00036-14 0118 (CLR) BUCY, JAMES G. General clinical research center-Familial incidence of congenital urinary tract disorders.
- MO1RR-00036-14 0119 (CLR) CHASE, LEWIS R. General clinical research center-Radioreceptor assay for parathyroid hormone (human).
- MO1RR-00036-14 0120 (CLR) CHASE, LEWIS R. General clinical research center-Effect of parathyroid hormone on cyclic AMP in hypomagnesemia (human).
- MO1RR-00036-14 0121 (CLR) DAUGHADAY, WILLIAM H. General clinical research center-Hypothalamic regulation of pituitary tumors (human).
- MO1RR-00036-14 0122 (CLR) DAUGHADAY, WILLIAM H. General clinical research center-Treatment of diabetic complications (human).
- MO1RR-00036-14 0123 (CLR) DAUGHADAY, WILLIAM H. General clinical research center-Control of prolactin secretion (human).
- MO1RR-00036-14 0124 (CLR) DAUGHADAY, WILLIAM H. General clinical research center-Somatostatin in disorders of human growth.
- MO1RR-00036-14 0125 (CLR) DAUGHADAY, WILLIAM H. General clinical research center-Hormonal studies in non-puerperal galactorrhea (human).
- MO1RR-00036-14 0126 (CLR) EISEN, ARTHUR Z. General clinical research center-Hepatotoxic effects of methotrexate in psoriasis (human).
- MO1RR-00036-14 0127 (CLR) HADDAD, JOHN G JR. General clinical research center-Hydroxyvitamin D concentrations in health and disease (human).
- MO1RR-00036-14 0128 (CLR) HADDAD, JOHN G JR. General clinical research center-Suppression of Paget's disease (human).
- MO1RR-00036-14 0129 (CLR) MAHN, THEODORE. General clinical research center-Anti-convulsant and psychoactive drug induced osteomalacia (human).
- MO1RR-00036-14 0130 (CLR) HOLLOSZY, JOHN O. General clinical research center-Lowering of serum triglycerides by exercise (human).
- MO1RR-00036-14 0131 (CLR) JAFFEE, BERNARD M. General clinical research center-Effect of acid-base changes on serum gastrin and parathormone (human).
- MO1RR-00036-14 0132 (CLR) BALLINGER, WALTER F. General clinical research center-Secretion of prostaglandin by tumors (human).
- MO1RR-00036-14 0133 (CLR) JACOBS, LAURENCE S. General clinical research center-Growth hormone secretion in diabetes mellitus (human).
- MO1RR-00036-14 0134 (CLR) KIPNIS, DAVID M. General clinical research center-Role of vagolytic drugs in reactive hypoglycemia (human).
- MO1RR-00036-14 0135 (CLR) KIPNIS, DAVID M. General clinical research center-Human lipoprotein metabolism.
- MO1RR-00036-14 0136 (CLR) KIPNIS, DAVID M. General clinical research center-Human adipocytes from various endogenous hyperlipoproteinemias.
- MO1RR-00036-14 0137 (CLR) KLAHR, SAULO. General clinical research center-Insulin secretion and glucose tolerance in uremia (human).
- MO1RR-00036-14 0138 (CLR) KOLODNY, ROBERT C. General clinical research center-Effect of prostaglandin E1 on human prolactin levels (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00036-14 0139 (CLR) LUBOWITZ, H. General clinical research center—Effect of diuretics in renal disease (human).
- MO1RR-00036-14 0141 (CLR) MEDOFF, GERALD. General clinical research center—Treatment of systemic fungal infection (human).
- MO1RR-00036-14 0142 (CLR) PARKER, CHARLES W. General clinical research center—Cyclic AMP metabolism in bronchial asthma and atopic eczema (human).
- MO1RR-00036-14 0143 (CLR) PETERSON, ROY R. General clinical research center—Bile salt metabolism in diarrhea (human).
- MO1RR-00036-14 0144 (CLR) PERRY, H MITCHELL. General clinical research center—Investigation of CTR-6515, disodium zinc cyclohexane (human).
- MO1RR-00036-14 0145 (CLR) PERRY, H MITCHELL. General clinical research center—Toxicity and pharmacology of hydralazine (human).
- MO1RR-00036-14 0146 (CLR) SCHONFELD, GUSTAV. General clinical research center—Carbohydrate induction of hyperlipidemia (human).
- MO1RR-00036-14 0147 (CLR) SLATOPOLSKY, EDUARDO. General clinical research center—Prevention of secondary hyperparathyroidism in renal disease (human).
- MO1RR-00036-14 0149 (CLR) SPILBERG, ISAIAS. General clinical research center—Metabolism of hemopexin in porphyria (human).
- MO1RR-00036-14 0150 (CLR) WILLIAMSON, JOSEPH R. General clinical research center—Factors contributing to muscle capillary basement membrane thickness (human).
- MO1RR-00036-14 0154 (CLR) KIPNIS, DAVID M. General clinical research center—Studies of glucagon secretion (human, rats).
- MO1RR-00036-14 0156 (CLR) KIPNIS, DAVID M. General clinical research center—Prolactin secretion in pituitary and hypothalamic disease (human).
- MO1RR-00036-14 0157 (CLR) AACH, RICHARD. General clinical research center—Changes after massive small bowel resection, use of dietary triglycerides (human).
- MO1RR-00036-14 0158 (CLR) ALPERS, DAVID. General clinical research center—Pathogenesis of osteopenia in liver disease (human).
- MO1RR-00036-14 0159 (CLR) ALPERS, DAVID. General clinical research center—Duodenoscopy with pancreatography (human).
- MO1RR-00036-14 0160 (CLR) ALPERS, DAVID. General clinical research center—Calcium absorption and vitamin D metabolism in sprue (human).
- MO1RR-00036-14 0161 (CLR) AVIOLI, LOUIS. General clinical research center—Effect of glucocorticoids on vitamin D3 absorption and metabolism (human).
- MO1RR-00036-14 0162 (CLR) AVIOLI, LOUIS. General clinical research center—D3 absorption in patients with chronic renal disease.
- MO1RR-00036-14 0163 (CLR) AVIOLI, LOUIS. General clinical research center—Effect of hormone on proline and hydroxyproline metabolism (human).
- MO1RR-00036-14 0164 (CLR) BALLINGER, WALTER F. General clinical research center—Review of surgically treated hyperparathyroidism (human).
- MO1RR-00036-14 0165 (CLR) BALLINGER, WALTER F. General clinical research center—Surgical transplantation of islets of langerhans (human).
- MO1RR-00036-14 0166 (CLR) BALLINGER, WALTER F. General clinical research center—Gastric physiology (human).
- MO1RR-00036-14 0167 (CLR) BALLINGER, WALTER F. General clinical research center—Effect of acid-base changes on serum gastrin and parathormone (human).
- MO1RR-00036-14 0168 (CLR) BALLINGER, WALTER F. General clinical research center—Relationship between parathormone, calcium and gastrin (human).
- MO1RR-00036-14 0169 (CLR) BIRGE, STANLEY A. General clinical research center—Idiopathic hypercalciuria (human).
- MO1RR-00036-14 0170 (CLR) BOURGOIGNE, JACQUES. General clinical research center—Natriuretic hormone (human).
- MO1RR-00036-14 0171 (CLR) BOYARSKY, SAUL. General clinical research center—Physiologic diagnosis and therapy of neurogenic bladder (human).
- MO1RR-00036-14 0172 (CLR) BOYARSKY, SAUL. General clinical research center—Combined medical-surgical approach to renal disease (human).
- MO1RR-00036-14 0173 (CLR) BOYARSKY, SAUL. General clinical research center—Urological rehabilitation (human).
- MO1RR-00036-14 0174 (CLR) CONN, CYRIL. General clinical research center—Mechanism of alcohol induced pain (human).
- MO1RR-00036-14 0175 (CLR) COSTELO, PHILIP E. General clinical research center—Advanced carcinoids.
- MO1RR-00036-14 0176 (CLR) CRYER, PHILIP E. General clinical research center—Alpha-adrenergic stimulation of growth hormone secretion in acromegaly (human).
- MO1RR-00036-14 0177 (CLR) DAUGHADAY, WILLIAM. General clinical research center—Human growth—Serum sulfation factor and growth hormone.
- MO1RR-00036-14 0178 (CLR) GRANT, NEVILLE. General clinical research center—Idiopathic edema (human).
- MO1RR-00036-14 0179 (CLR) GAY, ANDREW. General clinical research center—Pathogenesis of uithoff syndrome (human).
- MO1RR-00036-14 0180 (CLR) HARTMAN, ALEXIS F. General clinical research center—Follow-up after surgical repair of coarctation of aorta (human).
- MO1RR-00036-14 0181 (CLR) HALLOSZY, JOHN. General clinical research center—Effect of exercise on caloric intake and serum triglycerides (human).
- MO1RR-00036-14 0182 (CLR) KIPNIS, DAVID M. General clinical research center—Growth hormone, insulin and glucose levels during sleep (human).
- MO1RR-00036-14 0183 (CLR) KIPNIS, DAVID M. General clinical research center—Hyperadrenocorticism in oat-cell Ca of lung and islet cell Ca (human).
- MO1RR-00036-14 0184 (CLR) KIPNIS, DAVID M. General clinical research center—Genetic of diabetes (human).
- MO1RR-00036-14 0185 (CLR) KIPNIS, DAVID M. General clinical research center—In vivo insulin metabolism in various endocrine states (human).
- MO1RR-00036-14 0186 (CLR) KIPNIS, DAVID M. General clinical research center—Relationship between diabetes and hyperglycemia (human).
- MO1RR-00036-14 0187 (CLR) KIPNIS, DAVID M. General clinical research center—Effect of dietary composition on insulin secretion in obesity (human).
- MO1RR-00036-14 0188 (CLR) KIPNIS, DAVID M. General clinical research center—Role of vagolytic drugs in reactive hypoglycemia (human).
- MO1RR-00036-14 0189 (CLR) KIPNIS, DAVID M. General clinical research center—Intraduodenal glucose tolerance study (human).
- MO1RR-00036-14 0190 (CLR) MEDOFF, GERALD. General clinical research center—Small dose IV amphotericin B for candida infection (human).
- MO1RR-00036-14 0191 (CLR) RIMOIN, DAVID. General clinical research center—Genetics and pathogenesis of chondrodystrophies (human).
- MO1RR-00036-14 0192 (CLR) SLATOPOLSKY, EDUARDO. General clinical research center—Bicarbonate reabsorption in renal insufficiency (human).
- MO1RR-00036-14 0193 (CLR) SLATOPOLSKY, EDUARDO. General clinical research center—Control of potassium excretion in renal failure (human).
- MO1RR-00036-14 0194 (CLR) SLATOPOLSKY, EDUARDO. General clinical research center—Effects of 25-hydroxycalciferol on Ca and P absorption in renal disease (human).
- MO1RR-00036-14 0195 (CLR) SLATOPOLSKY, EDUARDO. General clinical research center—Adaptation phenomena of residual nephrons (human).
- MO1RR-00036-14 0196 (CLR) VAGELOS, ROY. General clinical research center—Metabolism of trans-methyl-hexanoic acid in schizophrenia (human).
- MO1RR-00036-14 0197 (CLR) FEIGIN, RALPH D. General clinical research center—Responses to CNS injection in viral and bacterial CNS diseases (human).
- MO1RR-00036-14 0198 (CLR) GUGGENHEIM, MARY A. General clinical research center—Treatment of subacute sclerosing panencephalitis (human).
- MO1RR-00036-14 0199 (CLR) KEATING, JAMES P. General clinical research center—Reye's syndrome (human).
- MO1RR-00036-14 0200 (CLR) PAGLIARA, ANTHONY S. General clinical research center—Pathogenesis of hypoglycemia in ketotic hypoglycemia (human).
- MO1RR-00036-14 0201 (CLR) PRENSKY, ARTHUR L. General clinical research center—Use of steroids in treatment of idiopathic polyneuropathies (human).
- MO1RR-00036-14 0202 (CLR) RIMOIN, DAVID L. General clinical research center—Genetics and pathogenesis of birth defects (human).
- MO1RR-00036-14 0203 (CLR) VIETTI, TERESA J. General clinical research center—Use of chemotherapeutic drug as an adjunct to radiation therapy (human).
- MO1RR-00036-14 0204 (CLR) WELDON, VIRGINIA V. General clinical research center—Insulin levels in juvenile diabetes during carbohydrate intolerance (human).
- MO1RR-00036-14 0205 (CLR) WELDON, VIRGINIA V. General clinical research center—Effect of growth hormone on adrenal steroid production (human).
- MO1RR-00036-14 0206 (CLR) WELDON, VIRGINIA V. General clinical research center—Insulin and growth hormone dynamics in childhood obesity.
- MO1RR-00037-14 (CLR) VAN CITTERS, ROBERT L. SCHOOL OF MEDICINE, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. General clinical research center.
- MO1RR-00037-14 0001 (CLR) FINCH, CLEMENT A. General clinical research center—Formed elements of blood and iron metabolism (human).
- MO1RR-00037-14 0003 (CLR) WEDGWOOD, RALPH J. General clinical research center—Naturally occurring defects in resistance to infection (human).
- MO1RR-00037-14 0006 (CLR) HAYDEN, PATRICA. General clinical research center—Effect of isosorbide in reduction of increased intracranial pressure (human).
- MO1RR-00037-14 0011 (CLR) MARCHIORO, THOMAS L. General clinical research center—Effects of renal transplantation in fatal metabolic disorders (human).
- MO1RR-00037-14 0014 (CLR) ANSELL, JULIAN S. General clinical research center—Urinary tract physiology altered by congenital defects (human).
- MO1RR-00037-14 0016 (CLR) MCRBERTS, J WILLIAM. General clinical research center—Transsexualism, surgical technique for vaginal construction (human).
- MO1RR-00037-14 0017 (CLR) HARKER, LAURENCE A. General clinical research center—Hemostasis-Thrombosis program (human).
- MO1RR-00037-14 0024 (CLR) SCRIBNER, BELDING H. General clinical research center—Nutrition provided by an artificial gut system (human).
- MO1RR-00037-14 0033 (CLR) BRUCE, ROBERT A. General clinical research center—Hemodynamic effects of upright exercise (human).
- MO1RR-00037-14 0037 (CLR) TENCKHOFF, HENRY. General clinical research center—New peritoneal dialysis system.
- MO1RR-00037-14 0040 (CLR) LEVY, RENE H. General clinical research center—Evaluation of carbamazepine (human).
- MO1RR-00037-14 0044 (CLR) WINTERSCHIED, LOREN C. General clinical research center—Surgical revascularization of ischemic myocardium (human).
- MO1RR-00037-14 0071 (CLR) ENSINCK, JOHN W. General clinical research center—Islet cell hyperfunction (human).
- MO1RR-00037-14 0074 (CLR) GLOMSET, JOHN A. General clinical research center—Plasma lipoprotein metabolism (human).
- MO1RR-00037-14 0076 (CLR) SIMKIN, PETER A. General clinical research center—Rate of glucose entry into diseased joints (human).
- MO1RR-00037-14 0077 (CLR) KIRBY, WILLIAM M. General clinical research center—New antibiotics (human).
- MO1RR-00037-14 0079 (CLR) ROWELL, LORING B. General clinical research center—Cardiac output and metabolic changes during exercise (human).
- MO1RR-00037-14 0085 (CLR) ENSINCK, JOHN W. General clinical research center—Control of glucagon secretion in man.
- MO1RR-00037-14 0100 (CLR) OJEMANN, GEORGE A. General clinical research center—Effects of stereotaxic lesions of ventral anterior thalamus on human epilepsy.
- MO1RR-00037-14 0102 (CLR) MACKLER, BRUCE. General clinical research center—Etiology of chondrodystrophies and other congenital growth deficiency in man.
- MO1RR-00037-14 0103 (CLR) DODGE, HAROLD T. General clinical research center—Evaluation of surgical therapy of heart disease (human).
- MO1RR-00037-14 0104 (CLR) WALIKE, BARBARA C. General clinical research center—Lactose content and methods of tube feeding in diarrhea (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MOIRR-00037-14 0105 (CLR) SCRIBNER, BELDING H. General clinical research center-Hypertension and renal function in polycystic kidney (human).

MOIRR-00037-14 0106 (CLR) JOHNSON, STEVE L. General clinical research center-Pulsed ultrasonic doppler measurement of central blood flow (human).

MOIRR-00037-14 0107 (CLR) KLEBANOFF, SEYMOUR J. General clinical research center-Evaluation of leukocyte function (human).

MOIRR-00037-14 0108 (CLR) GEY, GEORGE O. General clinical research center-Effects of procainamide on exertional arrhythmia.

MOIRR-00037-14 0109 (CLR) ADAMSON, JOHN W. General clinical research center-Investigation of anemia of chronic disease (human).

MOIRR-00037-14 0111 (CLR) SIMPSON, DAVID. General clinical research center-Renal regulation of hydrogen ion homeostasis (human).

MOIRR-00037-14 0121 (CLR) SCOTT, C RONALD. General clinical research center-Disorders of mucopolysaccharide metabolism (human).

MOIRR-00037-14 0122 (CLR) SCOTT, C RONALD. General clinical research center-Genetic studies of amino acid metabolism inborn errors (human).

MOIRR-00037-14 0123 (CLR) RUBIN, CYRUS E. General clinical research center-Structure and function of mucosa of GI tract (human).

MOIRR-00037-14 0124 (CLR) ALVAREZ, HERNAN. General clinical research center-Evaluation of survivors of sudden cardiac death (human).

MOIRR-00037-14 0125 (CLR) BRUCE, ROBERT A. General clinical research center-Responses to maximal exercise in middle-aged women.

MOIRR-00037-14 0126 (CLR) BAGDADE, JOHN D. General clinical research center-Hyperlipidemia in uremia (human).

MOIRR-00037-14 0127 (CLR) STAMATOYANNOPOULOS, G. General clinical research center-Control of fetal hemoglobin synthesis.

MOIRR-00037-14 0128 (CLR) SCRIBNER, BELDING H. General clinical research center-Evaluation of intralipid as a calorie source in parenteral nutrition.

MOIRR-00037-14 0129 (CLR) FEFER, ALEXANDER. General clinical research center-Allogeneic marrow transplantation (human).

MOIRR-00037-14 0130 (CLR) FEFER, ALEXANDER. General clinical research center-Chemoimmunotherapy of acute leukemia in adults.

MOIRR-00037-14 0131 (CLR) LOESER, JOHN D. General clinical research center-Physiologic basis of chronic pain (human).

MOIRR-00037-14 0132 (CLR) COUNTS, SANDRA J. General clinical research center-Renal function, growth and bone disease in children.

MOIRR-00037-14 0133 (CLR) JOHNSON, DAVID. General clinical research center-Complications in idiopathic orthostatic hypotension (human).

MOIRR-00037-14 0134 (CLR) KIVIAT, MARK D. General clinical research center-Rare collagenopathy in child with bladder ectrophy.

MOIRR-00037-14 0135 (CLR) MOTULSKY, ARNO G. General clinical research center-Exercise testing in inherited hyperlipemias (human).

MOIRR-00037-14 0136 (CLR) DANCEY, JOHN. General clinical research center-Splenectomy and splenectomy in pathogenesis of uremic cytopenia.

MOIRR-00037-14 0137 (CLR) TENCKOFF, HENRY. General clinical research center-Peritoneal membrane permeability to substances of varying molecular size.

MOIRR-00037-14 0138 (CLR) HILLMAN, ROBERT S. General clinical research center-Folic acid kinetics (human).

MOIRR-00037-14 0139 (CLR) TENCKHOFF, HENRY. General clinical research center-Porous polyurethane for peritoneal dialysis catheters (human).

MOIRR-00037-14 0140 (CLR) OMBENN, GILBERT S. General clinical research center-Neurologic testing in progressive muscular atrophy (human).

MOIRR-00037-14 0141 (CLR) ENSINCK, JOHN W. General clinical research center-Role of insulin in glucagon secretion induced by hypoglycemia (human).

MOIRR-00037-14 0142 (CLR) ENSINCK, JOHN W. General clinical research center-Effect of aging on insulin release mechanism in man.

MOIRR-00037-14 0143 (CLR) BIERMAN, C WARREN. General clinical research center-Adrenal suppressive effect of alternate day vs daily steroids (human).

MOIRR-00037-14 0144 (CLR) CRILL, WAYNE E. General clinical research center-Familial hypokalemic paralysis (human).

MOIRR-00039-14 (CLR) RICHARDSON, ARTHUR P. EMORY UNIV SCHOOL OF MEDICINE, ATLANTA, GA. General clinical research center.

MOIRR-00039-14 0010 (CLR) BUCKALEW, VARDAMAN M JR. General clinical research center-Renal tubular acidosis (human).

MOIRR-00039-14 0011 (CLR) BUCKALEW, VARDAMAN M JR. General clinical research center-Humoral factor which inhibits sodium transport (toads, rats, dogs).

MOIRR-00039-14 0027 (CLR) VOGLER, W RALPH. General clinical research center-Metabolic effects of methotrexate (human).

MOIRR-00039-14 0029 (CLR) WILHELM, ALFRED E. General clinical research center-Responsiveness to human growth hormone (human).

MOIRR-00039-14 0030 (CLR) CHYATTE, SAMUEL B. General clinical research center-Metabolic studies in Duchenne dystrophy (human).

MOIRR-00039-14 0031 (CLR) CHYATTE, SAMUEL B. General clinical research center-Effects of HGH in myotonic and limb-girdle dystrophy.

MOIRR-00039-14 0032 (CLR) WARREN, DEAN. General clinical research center-Effects of individual amino acids on blood ammonia levels in cirrhosis (human).

MOIRR-00039-14 0033 (CLR) WARREN, DEAN. General clinical research center-Capacity to synthesize urea in cirrhosis (human).

MOIRR-00039-14 0034 (CLR) ELSAS, LOUIS J. General clinical research center-Infantile cystinosis (human).

MOIRR-00039-14 0036 (CLR) ELSAS, LOUIS J. General clinical research center-Maple syrup urine disease (human).

MOIRR-00039-14 0037 (CLR) PATTERSON, JOSEPH F. General clinical research center-Pseudohypoparathyroidism (human).

MOIRR-00039-14 0039 (CLR) SMITH, ROBERT B. General clinical research center-Shunt operations for portal hypertension (human).

MOIRR-00039-14 0040 (CLR) GOLDBERG, LEON I. General clinical research center-Guanylylase (human).

MOIRR-00039-14 0042 (CLR) MCNAY, JOHN L JR. General clinical research center-Bethanidine as an antihypertensive agent (human).

MOIRR-00039-14 0043 (CLR) DAYTON, PETER G. General clinical research center-Allopurinol and probenecid (human).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MOIRR-00039-14 0047 (CLR) MCNAY, JOHN L JR. General clinical research center-Menoxidil as an antihypertensive agent (human).

MOIRR-00039-14 0048 (CLR) TJANDRAMAGA, BUDYA. General clinical research center-Effects of levodopa in hypertension and congestive heart failure (human).

MOIRR-00039-14 0052 (CLR) RUDMAN, DANIEL. General clinical research center-Biological active peptides in animal tissues (monkeys, cattle).

MOIRR-00039-14 0053 (CLR) ELSAS, LOUIS J. General clinical research center-Glucose-galactose malabsorption syndrome (human).

MOIRR-00039-14 0059 (CLR) BAIN, JAMES A. General clinical research center-EU-29 (human).

MOIRR-00039-14 0060 (CLR) ISRAELI, Z H. General clinical research center-Azacytidine (human).

MOIRR-00039-14 0061 (CLR) TJANDRAMAGA, BUDYO. General clinical research center-L-dopa and its metabolites.

MOIRR-00039-14 0062 (CLR) VOGLER, W RALPH. General clinical research center-Continuous flow cell centrifuge.

MOIRR-00039-14 0063 (CLR) VOGLER, W RALPH. General clinical research center-Abnormal osmole in plasma.

MOIRR-00039-14 0064 (CLR) WARREN, DEAN. General clinical research center-Ammonia content of food.

MOIRR-00039-14 0065 (CLR) WILHELM, ALFRED E. General clinical research center-Renal function in renal tubular diseases (human).

MOIRR-00039-14 0086 (CLR) BUCKALEW, VARDAMAN M JR. General clinical research center-Dietary protein intake and proteinuria in nephrotics.

MOIRR-00039-14 0067 (CLR) BUCKALEW, VARDAMAN M JR. General clinical research center-Ammonium bicarbonate as nitrogen source for protein (human).

MOIRR-00039-14 0068 (CLR) ELSAS, LOUIS J. General clinical research center-Phenylketonuria-Heterozygote detection (human).

MOIRR-00039-14 0069 (CLR) RUDMAN, DANIEL. General clinical research center-Measurement of capacity to synthesize urea in human subjects.

MOIRR-00039-14 0070 (CLR) VOGLER, W RALPH. General clinical research center-Leukopheresis.

MOIRR-00039-14 0071 (CLR) BUCKALEW, VARDAMAN M JR. General clinical research center-Renal function in hereditary renal tubular acidosis (human).

MOIRR-00039-14 0072 (CLR) ELSAS, LOUIS J. General clinical research center-Branched chain amino keto acid.

MOIRR-00039-14 0073 (CLR) SMITH, ROBERT B. General clinical research center-Amino acids.

MOIRR-00039-14 0074 (CLR) RUDMAN, DANIEL. General clinical research center-Amino acid metabolism in cancer (human).

MOIRR-00039-14 0075 (CLR) GOLDBERG, LEON I. General clinical research center-Bethanidine as antihypertensive agent.

MOIRR-00039-14 0076 (CLR) MCNAY, JOHN L JR. General clinical research center-Minoxidil as antihypertensive agent (human).

MOIRR-00039-14 0077 (CLR) TJANDRAMAGA, BUDYA. General clinical research center-Abbot compound study.

MOIRR-00039-14 0078 (CLR) RUDMAN, DANIEL. General clinical research center-Neurologic effects of hypo-osmolarity.

MOIRR-00039-14 0079 (CLR) RUDMAN, DANIEL. General clinical research center-Inborn error in transport of basic amino acids (human).

MOIRR-00039-14 0080 (CLR) MILLIKAN, WILLIAM S. General clinical research center-Physiological effects of intestinal by-pass surgery (human).

MOIRR-00039-14 0081 (CLR) RUDMAN, DANIEL. General clinical research center-Carriers of Duchenne dystrophy.

MOIRR-00039-14 0082 (CLR) ELSAS, LOUIS J. General clinical research center-Renal tubular transport in Wilson's disease (human).

MOIRR-00039-14 0083 (CLR) TUTTLE, ELBERT P. General clinical research center-Protein intake and proteinuria of nephrotic syndrome.

MOIRR-00039-14 0004 (CLR) MCNAY, JOHN L JR. General clinical research center-Effects of Schering 10595 on essential diastolic hypertension (human, animals).

MOIRR-00039-14 0085 (CLR) VOGLER, W RALPH. General clinical research center-Plasma clearance and 14C-labeled 5-azacytidine in advanced cancer (human).

MOIRR-00039-14 0086 (CLR) ROSENBAUM, BARRY. General clinical research center-Nephrogenic diabetes insipidus (human).

MOIRR-00039-14 0087 (CLR) ROSENBAUM, BARRY. General clinical research center-Metabolic effects of acute weight reduction in patients with exogenous obesity.

MOIRR-00039-14 0088 (CLR) WAITZMAN, MORTON B. General clinical research center-Diabetic retinopathy (human).

MOIRR-00039-14 0009 (CLR) MCFARLIN, DALE E. General clinical research center-Immunological and viral studies of lymph nodes in multiple sclerosis (human).

MOIRR-00039-14 0090 (CLR) KIBLER, ROBERT F. General clinical research center-Prednisone therapy in multiple sclerosis (human).

MOIRR-00039-14 0091 (CLR) TUTTLE, ELBERT P. General clinical research center-Catabolic effects of diuretics (human).

MOIRR-00039-14 0092 (CLR) CHRISTY, JAMES H. General clinical research center-Ammonium chloride load on hydrogen ion excretion and acid-base balance (human).

MOIRR-00039-14 0093 (CLR) PATTERSON, JOSEPH F. General clinical research center-Cause of growth failure in children with cleft palate.

MOIRR-00039-14 0094 (CLR) MILLIKAN, WILLIAM J. General clinical research center-Elemental balances during intravenous hyperalimentation (human).

MOIRR-00039-14 0095 (CLR) TJANDRAMAGA, BUDYA. General clinical research center-Evaluation of dopamine in hypertension (human).

MOIRR-00039-14 0096 (CLR) ELSAS, LOUIS J. General clinical research center-Inborn errors of amino acid metabolism (human).

MOIRR-00040-14 (CLR) RELMAN, ARNOLD S, HOSP OF UNIV OF PENNSYLVANIA, 3600 SPRUCE STREET, PHILADELPHIA, PA. General clinical research center.

MOIRR-00040-14 0004 (CLR) COHEN, SIDNEY. General clinical research center-Hormonal control of gastrointestinal motility (human).

MOIRR-00040-14 0005 (CLR) DEREN, JULIUS. General clinical research center-Role of pancreas in vitamin b12 absorption (human).

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00040-14 0006 (CLR) GOLDBERG, MARTIN. General clinical research center-Mechanism of impaired water excretion in various disease states (human).
- MO1RR-00040-14 0019 (CLR) ALTOSE, MURRAY. General clinical research center-Bronchopulmonary lavage (human).
- MO1RR-00040-14 0027 (CLR) UTIGER, ROBERT. General clinical research center-Thyrotropin physiology (human).
- MO1RR-00040-14 0028 (CLR) UTIGER, ROBERT. General clinical research center-Parathyroid hormone secretion in health and disease (human).
- MO1RR-00040-14 0032 (CLR) ZWEIMAN, BURTON. General clinical research center-Clinical and histologic evaluation of lupus nephropathy (human).
- MO1RR-00040-14 0044 (CLR) ENGELMAN, KARL. General clinical research center-Adrenergic function in hypertension (human).
- MO1RR-00040-14 0052 (CLR) HENDERSON, LEE W. General clinical research center-Nephrotic syndrome (human).
- MO1RR-00040-14 0053 (CLR) HENDERSON, LEE W. General clinical research center-Treatment of renal failure (human).
- MO1RR-00040-14 0061 (CLR) SCHOTLAND, DONALD. General clinical research center-Inherited neuromuscular disorders (human).
- MO1RR-00040-14 0074 (CLR) MELLMAN, WILLIAM. General clinical research center-Metabolic studies of mental and physical retardation (human).
- MO1RR-00040-14 0075 (CLR) MELLMAN, WILLIAM. General clinical research center-Disorders of galactose metabolism (human).
- MO1RR-00040-14 0076 (CLR) MENDELS, JOE. General clinical research center-Manic-depression, recurrent depression and indole-catechol free diet (human).
- MO1RR-00040-14 0077 (CLR) MYERS, ALLEN. General clinical research center-Host defenses in systemic lupus erythematosus (human).
- MO1RR-00040-14 0078 (CLR) MARINS, ROBERT. General clinical research center-Relationship of fructose to uric acid and ammonia metabolism (human).
- MO1RR-00040-14 0079 (CLR) NORMAN, MICHAEL. General clinical research center-Evaluation of immunologic deficiency syndromes.
- MO1RR-00040-14 0080 (CLR) OSTROW, J DONALD. General clinical research center-Phototherapy of hepatic excretory function in chronic liver disease (human).
- MO1RR-00040-14 0082 (CLR) SCHUMACHER, H RALPH. General clinical research center-Pathogenesis of articular lesions in systemic rheumatic diseases (human).
- MO1RR-00040-14 0033 (CLR) SCHUMACHER, H RALPH. General clinical research center-Effect of exercise on joint inflammation (human).
- MO1RR-00040-14 0004 (CLR) SOLOWAY, ROGER. General clinical research center-Bile flow and composition in man.
- MO1RR-00040-14 0085 (CLR) WEISS, THEODORE. General clinical research center-Role of vagus in suppression of premature ventricular contractions (human).
- MO1RR-00040-14 0036 (CLR) BANK, WILLIAM. General clinical research center-Glycine-serine interconversion in hyperglycinemia (human).
- MO1RR-00040-14 0087 (CLR) COOPER, RICHARD. General clinical research center-Cholesterol lowering agents in spur cell anemia (human).
- MO1RR-00040-14 0088 (CLR) ENGELMAN, KARL. General clinical research center-Renal effects of prostaglandin inhibition by indomethacin (human).
- MO1RR-00040-14 0089 (CLR) ENGELMAN, KARL. General clinical research center-Antihypertensive effects of minoxidil (human).
- MO1RR-00040-14 0090 (CLR) ENGELMAN, KARL. General clinical research center-Patient needs and responses.
- MO1RR-00040-14 0091 (CLR) GOLDBERG, MARTIN. General clinical research center-Diuretic effect R0-6338 vs furosemide in edema due to nephrotic syndrome (human).
- MO1RR-00040-14 0092 (CLR) GOLDBERG, MARTIN. General clinical research center-Diuretic treatment for cirrhosis with refractory edema (human).
- MO1RR-00040-14 0093 (CLR) GOLDBERG, MARTIN. General clinical research center-Hyperkalemia in chronic renal disease with oliguria (human).
- MO1RR-00040-14 0094 (CLR) MACGREGOR, ROB ROY. General clinical research center-Alcohol and host defense (human).
- MO1RR-00040-14 0095 (CLR) MAYCOCK, ROBERT. General clinical research center-Pharmacokinetics of theophylline (human).
- MO1RR-00040-14 0096 (CLR) SCHLESS, ARTHUR. General clinical research center-Toxicity of concurrent lithium or disipramine and alcohol consumption (human).
- MO1RR-00040-14 0097 (CLR) SCHUMACHER, H RALPH. General clinical research center-Bone and joint alterations in hemochromatosis (human).
- MO1RR-00040-14 0098 (CLR) SCHWARZ, RICHARD. General clinical research center-Aminography for early detection of anencephaly (human).
- MO1RR-00040-14 0099 (CLR) SOLOWAY, ROGER. General clinical research center-Use of balloon occlusion of duodenum to obtain bile (human).
- MO1RR-00040-14 0100 (CLR) UTIGER, ROBERT. General clinical research center-Studies of FSH and LH secretion (human).
- MO1RR-00040-14 0101 (CLR) UTIGER, ROBERT. General clinical research center-Effect of oral synthetic thyrotropin releasing hormone on lactation (human).
- MO1RR-00042-14 (CLR) GRONVALL, JOHN A, UNIVERSITY OF MICHIGAN, MEDICAL SCIENCE BLDG, ANN ARBOR, MICH. General clinical research center.
- MO1RR-00042-14 0001 (CLR) ALLEN, RICHARD J. General clinical research center-Infantile and childhood dementias (human).
- MO1RR-00042-14 0002 (CLR) FRENCH, ARTHUR B. General clinical research center-Intestinal malabsorption (human).
- MO1RR-00042-14 0003 (CLR) SCHEINOART, DAVID E. General clinical research center-Hydrocortisone in Cushings disease and obesity (human).
- MO1RR-00042-14 0006 (CLR) PENNER, JOHN A. General clinical research center-Selenomethionine in erythrocytes, platelets and serum proteins (human).
- MO1RR-00042-14 0007 (CLR) COHEN, EDWIN L. General clinical research center-Primary aldosteronism (human).
- MO1RR-00042-14 0009 (CLR) FAJANS, STEFAN. General clinical research center-Leucine and sulfonylurea induced hypoglycemia (human).
- MO1RR-00042-14 0014 (CLR) TURCOTTE, JEREMIAH G. General clinical research center-Rejection in renal transplants (human).
- MO1RR-00042-14 0016 (CLR) WORK, BRUCE A. General clinical research center-Fetal transfusion for erythroblastosis fetalis (human).
- MO1RR-00042-14 0019 (CLR) ZARAFONETIS, CHRIS J D. General clinical research center-Long term manifestations of scleroderma (human).
- MO1RR-00042-14 0021 (CLR) WELLER, JOHN M. General clinical research center-Long-term survival following renal transplantation (human).
- MO1RR-00042-14 0024 (CLR) BEIERWALTES, WILLIAM A. General clinical research center-Methioquin iodine 131 therapy in malignant melanoma (human).
- MO1RR-00042-14 0028 (CLR) BEIERWALTES, WILLIAM. General clinical research center-Urokinase-pulmonary embolism trial (human).
- MO1RR-00042-14 0030 (CLR) WILLIS, PARK W. General clinical research center-Hemolysis in Starr-Edwards prosthetic aortic valves, effect of drugs (human).
- MO1RR-00042-14 0032 (CLR) BULL, FRANCES E. General clinical research center-Azathioprine in treatment of Crohns disease (human).
- MO1RR-00042-14 0035 (CLR) SCHEINGART, DAVID E. General clinical research center-Rehabilitation of severely obese (human).
- MO1RR-00042-14 0036 (CLR) BIERERWALTES, WILLIAM W. General clinical research center-Nineteen-iodine 125-iodocholesterol scanning of adrenal gland (human).
- MO1RR-00042-14 0038 (CLR) HOOBLER, SIBLEY W. General clinical research center-Metabolic and circulatory effects of catapnes (human).
- MO1RR-00042-14 0041 (CLR) KAY, DONALD R. General clinical research center-Penicillamine for rheumatoid arthritis with vasculitis (human).
- MO1RR-00042-14 0048 (CLR) SCHEINGART, DAVID E. General clinical research center-Effect of starvation on metabolism in obesity (human).
- MO1RR-00042-14 0049 (CLR) ZARAFONETIS, C J D. General clinical research center-Myositis ossificans progressiva and other ectopic calcification disorders (human).
- MO1RR-00042-14 0051 (CLR) KOKMEN, EMRE. General clinical research center-Effects of L-tryptophan loading and cholinergic mechanism in Huntington's chorea .
- MO1RR-00042-14 0055 (CLR) WILLIS, PARK W. General clinical research center-Accurate dose of digoxin and digitoxin (human).
- MO1RR-00042-14 0058 (CLR) PENNER, JOHN A. General clinical research center-Effect of antihemophilic globulin preparation (human).
- MO1RR-00042-14 0059 (CLR) LIV, HSI-YEN. General clinical research center-Intestinal absorption in infants and children.
- MO1RR-00042-14 0060 (CLR) PENNER, JOHN A. General clinical research center-Long term effect of heparin therapy on calcium metabolism (human).
- MO1RR-00042-14 0061 (CLR) FAJANS, STEFAN. General clinical research center-Effect of mithramycin on Paget's disease of bone (human).
- MO1RR-00042-14 0062 (CLR) BASSETT, DAVID. General clinical research center-Motility in hyperlipoproteinemia type IV (human).
- MO1RR-00042-14 0063 (CLR) HOOBLER, SIBLEY W. General clinical research center-Intra-arterial injection of vasoactive drug on renal vein renin conc (human).
- MO1RR-00042-14 0064 (CLR) STEVO, JULIUS. General clinical research center-Alpha adrenergic tone in borderline hypertension (human).
- MO1RR-00042-14 0065 (CLR) BULL, FRANCES E. General clinical research center-Plasma levels of combined adriamycin and methotrexate in sarcoma (human).
- MO1RR-00042-14 0066 (CLR) BREWER, GEORGE J. General clinical research center-Treatment of sickle cell disease by lowering red cell DPG, and with zinc (human).
- MO1RR-00042-14 0067 (CLR) EASTERLING, R E. General clinical research center-Home peritoneal dialysis with automated cycling device and sorbital dialysate.
- MO1RR-00042-14 0068 (CLR) MAYOR, GILBERT. General clinical research center-Renal osteodystrophy and other forms of hyperparathyroidism (human).
- MO1RR-00042-14 0069 (CLR) HOOBLER, SIBLEY W. General clinical research center-Clinical problems with discontinuation of clonidine treatment (human).
- MO1RR-00042-14 0070 (CLR) COHEN, EDWIN L. General clinical research center-Renin, mineralocorticoid, sweat Na and K in certain ethnic groups.
- MO1RR-00042-14 0071 (CLR) RANDALL, OTEJO. General clinical research center-Baroreflex sensitivity after resection of coarctation of the aorta (human).
- MO1RR-00043-14 (CLR) BAUER, FRANZ K, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. General clinical research center.
- MO1RR-00043-14 0003 (CLR) BETHUNE, JOHN E. General clinical research center-Parathyroid hormone and bone disease (human).
- MO1RR-00043-14 0004 (CLR) BETHUNE, JOHN E. General clinical research center-Panhypopituitarism (human).
- MO1RR-00043-14 0010 (CLR) HORTON, RICHARD. General clinical research center-Diagnosis of hyperaldosteronism (human).
- MO1RR-00043-14 0011 (CLR) HORTON, RICHARD. General clinical research center-Regulation of gonadotropins in male (human).
- MO1RR-00043-14 0016 (CLR) LORBER, ARTHUR. General clinical research center-N-acetylcysteine therapy for connective tissue disorders (human).
- MO1RR-00043-14 0019 (CLR) NICOLOFF, JOHN T. General clinical research center-Triiodothyronine secretion rate in diagnosis of thyroid disease (human).
- MO1RR-00043-14 0022 (CLR) BETHUNE, JOHN E. General clinical research center-Pathogenesis of Cushings syndrome (human).
- MO1RR-00043-14 0026 (CLR) FELSHER, BERTRAM. General clinical research center-Hepatic glucuronyl-transferase in Gilberts disease (human).
- MO1RR-00043-14 0034 (CLR) BETHUNE, JOHN E. General clinical research center-Nocturnal growth hormone secretion studies (human).
- MO1RR-00043-14 0035 (CLR) BETHUNE, JOHN E. General clinical research center-Effect of L-dopa on pituitary function (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MOIRR-00043-14 0036 (CLR) BETHUNE, JOHN E. General clinical research center—Growth hormone levels in acromegaly with various treatments (human).	MOIRR-00044-14 0059 (CLR) ABRAHAM, GEORGE. General clinical research center—Relationship between light chains and gamma-globulin production (human).
MOIRR-00043-14 0039 (CLR) LORBER, ARTHUR. General clinical research center—Gold therapy for rheumatoid arthritis (human).	MOIRR-00044-14 0060 (CLR) JACOB, RALPH. General clinical research center—Diseases of ectopic calcification (human).
MOIRR-00043-14 0043 (CLR) SIEMSEN, JAN K. General clinical research center—Effects of 125-I therapy thyrotoxic Graves disease (human).	MOIRR-00044-14 0062 (CLR) FALOON, WILLIAM W. General clinical research center—Dissolution of cholesterol gall stones by administration of bile acids (human).
MOIRR-00043-14 0044 (CLR) DEQUATTRO, VINCENT. General clinical research center—Catecholamine turnover in man.	MOIRR-00044-14 0064 (CLR) BETTES, ROBERT. General clinical research center—Clinical studies with tobramycin (human).
MOIRR-00043-14 0045 (CLR) DUBOIS, EDMUND L. General clinical research center—Correlative prospective study of lupus nephropathy (human).	MOIRR-00044-14 0065 (CLR) BETTES, ROBERT. General clinical research center—Virulence of influenza A (H3N2) TS-1(E) virus (human).
MOIRR-00043-14 0048 (CLR) MUNSAT, THEODORE L. General clinical research center—Neuromuscular disease (human).	MOIRR-00044-14 0067 (CLR) TAVES, DONALD. General clinical research center—Fluoride and hydroxyproline as indicators of bone metabolism (human).
MOIRR-00043-14 0049 (CLR) NICOLOFF, JOHN T. General clinical research center—Thyroid hormone equivalent activity study (human).	MOIRR-00044-14 0068 (CLR) KLEMPERER, MARTIN. General clinical research center—Human bone marrow transplantation (human).
MOIRR-00043-14 0054 (CLR) GUTTLER, RICHARD S. General clinical research center—Alterations in cyclic AMP, a reflection of altered thyroid function (human).	MOIRR-00044-14 0069 (CLR) CAMPBELL, ROBERT. General clinical research center—Effects of 2-deoxyglucose on lipid and carbohydrate metabolism (human).
MOIRR-00043-14 0055 (CLR) GUTTLER, RICHARD S. General clinical research center—iodine kinetics in non-toxic goiter (human).	MOIRR-00044-14 0070 (CLR) CAMPBELL, ROBERT. General clinical research center—Mechanism of lipolysis in fasting (human).
MOIRR-00043-14 0062 (CLR) FICHMAN, MARSHAL P. General clinical research center—Role of cyclic AMP in water excretion (human).	MOIRR-00044-14 0071 (CLR) CAMPBELL, ROBERT. General clinical research center—Regulation of food intake in man.
MOIRR-00043-14 0063 (CLR) TURNER, A FRANKLIN. General clinical research center—Angiographic studies of extracorporeal AV shunts (human).	MOIRR-00044-14 0072 (CLR) GRIGGS, BIRCH. General clinical research center—Metabolic abnormalities in neuromuscular diseases (human).
MOIRR-00043-14 0067 (CLR) BETHUNE, JOHN E. General clinical research center—ACTH and cortisol dynamics in various diseases (human).	MOIRR-00044-14 0073 (CLR) GRIGGS, ROBERT. General clinical research center—Cardiac conduction abnormalities in myotonic dystrophy (human).
MOIRR-00043-14 0068 (CLR) BILITCH, M. General clinical research center—Conversion of atrial fibrillation to sinus rhythm (human).	MOIRR-00044-14 0074 (CLR) HABERERN, NANCY. General clinical research center—Effects of digitalis in congestive heart failure (human).
MOIRR-00043-14 0069 (CLR) BLANKENHORN, DAVID H. General clinical research center—Correlated studies on atherosclerosis (human).	MOIRR-00044-14 0076 (CLR) STAPLES, PARKER. General clinical research center—Abnormal host-defense relationship in family susceptible to moniliasis.
MOIRR-00043-14 0070 (CLR) FICHMAN, MARSHALL P. General clinical research center—ADH and steroid metabolism in man.	MOIRR-00044-14 0078 (CLR) WEINTRAUB, MICHAEL. General clinical research center—Endocrine and metabolic effect of high doses of anabolic steroids (human).
MOIRR-00043-14 0071 (CLR) GOEBELSMANN, UWE T. General clinical research center—Hirsutism (human).	MOIRR-00044-14 0079 (CLR) SCHALCH, DONALD S. General clinical research center—TSH release in various disorders of the hypothalamic-pituitary axis (human).
MOIRR-00043-14 0072 (CLR) HORTON, RICHARD. General clinical research center—Potassium deficiency and adrenal function (human).	MOIRR-00044-14 0080 (CLR) RAJSZ, LAWRENCE. General clinical research center—Hypercalcemic factors in neoplastic disease (human).
MOIRR-00043-14 0073 (CLR) JELLIFFE, R W. General clinical research center—Digitalis excretion rate (human).	MOIRR-00044-14 0081 (CLR) FORBES, GILBERT B. General clinical research center—Childhood glycemia.
MOIRR-00043-14 0074 (CLR) MILLER, L. General clinical research center—Insulin resistance (human).	MOIRR-00044-14 0082 (CLR) KLIPSTEIN, FREDERICK. General clinical research center—Abnormal intestinal flora in the small intestine (human).
MOIRR-00043-14 0075 (CLR) MUNSAT, THEODORE L. General clinical research center—Effects of ethinyl alcohol on striated muscle.	MOIRR-00044-14 0083 (CLR) KLIPSTEIN, FREDERICK. General clinical research center—Hereditary pattern of adult celiac disease.
MOIRR-00043-14 0076 (CLR) NICOLOFF, JOHN T. General clinical research center—Human thyroid hormone metabolism.	MOIRR-00044-14 0084 (CLR) CONDEMI, JOHN. General clinical research center—Antitrypsin deficiency in nonfamilial emphysema (human).
MOIRR-00043-14 0077 (CLR) REYNOLDS, TELFER B. General clinical research center—Phosphate metabolism in hyperparathyroidism (human).	MOIRR-00044-14 0085 (CLR) CONDEMI, JOHN. General clinical research center—Factors influencing levels of C1 esterase inhibitor (human).
MOIRR-00043-14 0078 (CLR) SINGER, FREDERICK R. General clinical research center—Effects of salmon and human calcitonin in man.	MOIRR-00044-14 0086 (CLR) FRENQLEY, PATRICK. General clinical research center—Parachlorophenylalanine treatment of patients with malignant carcinoid syndrome.
MOIRR-00043-14 0079 (CLR) KIELY, WILLIAM F. General clinical research center—Thyrotropin releasing hormone as an antidepressant (human).	MOIRR-00044-14 0087 (CLR) CAMPBELL, ROBERT. General clinical research center—Effect of sympathectomy on insulin release (human).
MOIRR-00043-14 0080 (CLR) DUICK, DANIEL S. General clinical research center—Factors regulating release of TSH by pituitary gland (human).	MOIRR-00044-14 0088 (CLR) MERIN, ROBERT. General clinical research center—Toxicity following methoxyflurane anesthesia (human).
MOIRR-00043-14 0081 (CLR) HORTON, RICHARD. General clinical research center—Metabolism of prostaglandin by human red blood cells.	MOIRR-00044-14 0089 (CLR) SEGEL, GEORGE. General clinical research center—Metabolism of human blood cells.
MOIRR-00043-14 0082 (CLR) HORTON, RICHARD. General clinical research center—Progress of PGA dynamics and production rates (human).	MOIRR-00044-14 0090 (CLR) SEARS, MARY. General clinical research center—Absorption and excretion of calusterone (human).
MOIRR-00043-14 0083 (CLR) MIMS, ROBERT B. General clinical research center—Assessment of acral changes in acromegaly (human).	MOIRR-00044-14 0091 (CLR) LICHTMAN, MARSHALL. General clinical research center—Substrate transport in human leukocytes.
MOIRR-00043-14 0084 (CLR) SINGER, FREDERICK R. General clinical research center—Treatment of Pagets disease of bone with human calcitonin (human).	MOIRR-00044-14 0092 (CLR) MILLER, PAUL. General clinical research center—Effect of potassium loading on renin secretion (human).
MOIRR-00043-14 0085 (CLR) SINGER, FREDERICK R. General clinical research center—Evaluation of prostaglandin A-1 as an antihypertensive (human).	MOIRR-00044-14 0093 (CLR) BRYSON, MICHAEL. General clinical research center—Metabolic and endocrine study of disturbed growth and development in children.
MOIRR-00044-14 (CLR) ORBISON, J LOWELL, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BOULEVARD, ROCHESTER, N Y. General clinical research center.	MOIRR-00044-14 0094 (CLR) WOOLF, P D. General clinical research center—TSH response of the pituitary to TRH in man.
MOIRR-00044-14 0002 (CLR) WATERHOUSE, CHRISTINE. General clinical research center—Electrolyte metabolism in malnutrition (human).	MOIRR-00044-14 0095 (CLR) WOOLF, P D. General clinical research center—FSH producing pituitary tumor (human).
MOIRR-00044-14 0003 (CLR) RAJSZ, LAWRENCE. General clinical research center—Diagnostic studies of hyperparathyroidism (human).	MOIRR-00044-14 0096 (CLR) CONDEMI, JOHN. General clinical research center—Monozygotic twins discordant for SLE (human).
MOIRR-00044-14 0004 (CLR) RAJSZ, LAWRENCE. General clinical research center—Effect of calcitonin in hypercalcemia (human).	MOIRR-00044-14 0097 (CLR) BRODOWS, ROBERT. General clinical research center—Acute reversal of hypoglycemia in man.
MOIRR-00044-14 0007 (CLR) FORBES, GILBERT B. General clinical research center—Disturbed growth and development (human).	MOIRR-00046-14 (CLR) PORDHAM, CHRISTOPHER C, 3D, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N C. General clinical research center.
MOIRR-00044-14 0008 (CLR) FORBES, GILBERT B. General clinical research center—Penicillamine in treatment of cystinuria (human).	MOIRR-00046-14 0001 (CLR) SUMNER, GEORGE K. General clinical research center—Connective tissue disorders and phenylketonuria (human).
MOIRR-00044-14 0016 (CLR) SCHALCH, DONALD S. General clinical research center—Release of pituitary and pancreatic hormones in man.	MOIRR-00046-14 0002 (CLR) VAN WYK, JUDSON J. General clinical research center—Etiologic mechanisms in patients refractory to androgens.
MOIRR-00044-14 0030 (CLR) MEDALLE, RAMON. General clinical research center—Metabolic defect in idiopathic hypercalcaemia (human).	MOIRR-00046-14 0003 (CLR) WELT, LOUIS G. General clinical research center—Uremia and chronic diabetes (human).
MOIRR-00044-14 0031 (CLR) MEDALLE, RAMON. General clinical research center—Accumulation of lactate in blood (human).	MOIRR-00046-14 0004 (CLR) ROBERTS, HAROLD R. General clinical research center—Inhibitors to factor VIII and factor IX (human).
MOIRR-00044-14 0038 (CLR) PABICO, RUFINO C. General clinical research center—Renal functional studies of kidney donors (human).	MOIRR-00046-14 0005 (CLR) BARNETT, THOMAS B. General clinical research center—Breathing and ventilatory response to oxygen and carbon dioxide (human).
MOIRR-00044-14 0041 (CLR) FALOONS, WILLIAM W. General clinical research center—Effects of colestipol on fat and bile acid fecal excretion (human).	MOIRR-00046-14 0006 (CLR) ROBERTS, HAROLD R. General clinical research center—Hypercoagulability and thrombosis (human).
MOIRR-00044-14 0042 (CLR) MEDALLE, RAMON. General clinical research center—Etiology of hypocalcemia in hypomagnesemic states (human).	MOIRR-00046-14 0008 (CLR) VAN WYK, JUDSON J. General clinical research center—Growth hormone in pituitary disorders (human).
MOIRR-00044-14 0044 (CLR) BETTES, ROBERT. General clinical research center—Effect of cytarabine on herpes zoster infection (human).	MOIRR-00046-14 0009 (CLR) ROBERTS, HAROLD R. General clinical research center—Disorders of function and structure of blood platelets (human).
MOIRR-00044-14 0045 (CLR) FALOON, WILLIAM W. General clinical research center—Malabsorption inducing agents in obesity after intestinal bypass (human).	MOIRR-00046-14 0010 (CLR) PALMER, JEFFREY G. General clinical research center—Bone marrow failure (human).
MOIRR-00044-14 0050 (CLR) WATERHOUSE, CHRISTINE. General clinical research center—Metabolic changes in cancer (human).	
MOIRR-00044-14 0054 (CLR) FALOON, WILLIAM W. General clinical research center—Renin changes in cirrhosis (human).	
MOIRR-00044-14 0058 (CLR) FORBES, GILBERT. General clinical research center—Metabolic effects of GH, especially on bone (human).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00046-14 0011 (CLR) SUMNER, GEORGE K. General clinical research center-Glycogen storage disease (human).
- MO1RR-00046-14 0012 (CLR) ROBERTS, HAROLD R. General clinical research center-Hemophilic arthropathy (human).
- MO1RR-00046-14 0013 (CLR) FALLON, HAROLD J. General clinical research center-Hyperlipemia (human).
- MO1RR-00046-14 0014 (CLR) FALLON, HAROLD J. General clinical research center-Alcoholic hepatitis (human).
- MO1RR-00046-14 0015 (CLR) YOUNG, DANIEL T. General clinical research center-Left ventricular function in heart disease (human).
- MO1RR-00046-14 0016 (CLR) JOHNSON, GEORGE. General clinical research center-Hemodynamics before-after operation for bleeding esophageal varices (human).
- MO1RR-00046-14 0017 (CLR) MCMILLAN, C. W. General clinical research center-Effects of therapy in bone marrow failure in children (human).
- MO1RR-00046-14 0018 (CLR) NEY, ROBERT L. General clinical research center-Regulation of pituitary-adrenal function in pathological states (human).
- MO1RR-00046-14 0019 (CLR) MCMILLAN, CAMPBELL. General clinical research center-Christmas factor metabolism (human).
- MO1RR-00046-14 0020 (CLR) MANDEL, S. R. General clinical research center-Renal allografting (human).
- MO1RR-00046-14 0021 (CLR) HERION, JOHN C. General clinical research center-Physiology and kinetics of leukocytes (human).
- MO1RR-00046-14 0022 (CLR) WOODS, JAMES W. General clinical research center-Hypertension (human).
- MO1RR-00046-14 0023 (CLR) NEY, ROBERT L. General clinical research center-Vitamin D-resistant rickets (children).
- MO1RR-00046-14 0024 (CLR) PARKER, JOHN C. General clinical research center-Blood volume and sodium excretion during recovery from chronic anemia (human).
- MO1RR-00046-14 0025 (CLR) PRANGE, ARTHUR J. General clinical research center-L-tryptophan and L-dopa in Parkinsons disease (human).
- MO1RR-00046-14 0026 (CLR) WOODS, JAMES W. General clinical research center-Evaluation of antihypertensive agent-MK-672.
- MO1RR-00046-14 0027 (CLR) EASTERLING, W. E. General clinical research center-Steroidogenesis of estrogens in pregnancy (human).
- MO1RR-00046-14 0028 (CLR) WHEELER, CLAYTON E. General clinical research center-Immunologic status of disseminated cutaneous candidiasis (human).
- MO1RR-00046-14 0029 (CLR) HENDRICKS, CHARLES H. General clinical research center-Prostaglandins for abortifacient activity in early human pregnancy.
- MO1RR-00046-14 0030 (CLR) FALLON, HAROLD J. General clinical research center-Drug therapy in hepatitis and hepatic necrosis (human).
- MO1RR-00046-14 0031 (CLR) VAN WYK, JUDSON J. General clinical research center-Skeletal growth factors in acromegaly.
- MO1RR-00046-14 0032 (CLR) HEIZER, W. D. General clinical research center-Intestinal peptide hydrolases in human disease.
- MO1RR-00046-14 0033 (CLR) LIPTON, MORRIS A. General clinical research center-Metabolism of delta-9-tetrahydrocannabinol in man.
- MO1RR-00046-14 0034 (CLR) TALBERT, L. M. General clinical research center-Intravascular clotting following intraamniotic infusion of saline (human).
- MO1RR-00046-14 0035 (CLR) BRIGGAMAN, R. A. General clinical research center-Epidemiology bullosa (human).
- MO1RR-00046-14 0036 (CLR) GRAY, TIMOTHY K. General clinical research center-Calciitonin in disorders of calcium and skeletal metabolism (human).
- MO1RR-00046-14 0037 (CLR) HEIZER, W. D. General clinical research center-Feasibility of heme intravenous hyperalimentation (human).
- MO1RR-00046-14 0038 (CLR) RAFT, D. D. General clinical research center-Validity of standard pentobarbital test dose.
- MO1RR-00046-14 0039 (CLR) BLYTHE, WILLIAM B. General clinical research center-Pathophysiology of uremia (human).
- MO1RR-00046-14 0040 (CLR) VANWYK, JUDSON J. General clinical research center-Endocrine and metabolic effects of pituitary stalk section (human).
- MO1RR-00046-14 0041 (CLR) ROBERTS, HAROLD R. General clinical research center-Antihemophilic factor metabolism (human).
- MO1RR-00046-14 0042 (CLR) JOHNSON, GEORGE. General clinical research center-Pathogenesis of familial cerebellar disorders (human).
- MO1RR-00046-14 0043 (CLR) PARKER, JOHN C. General clinical research center-Cation permeability of hereditary spherocytes (human).
- MO1RR-00046-14 0044 (CLR) PALMER, JEFFRESS G. General clinical research center-Treating multiple myeloma (human).
- MO1RR-00046-14 0045 (CLR) YOUNG, DANIEL T. General clinical research center-Low level CO exposure on stable angina pectoris (human).
- MO1RR-00046-14 0046 (CLR) NEY, ROBERT L. General clinical research center-Dynamics and regulation of tumor hormone secretion in endocrine tumors (human).
- MO1RR-00046-14 0047 (CLR) MUELLER, ROBERT. General clinical research center-Effects of Delta-9-THC on cardiovascular and respiratory center (human).
- MO1RR-00046-14 0048 (CLR) EWING, JOHN A. General clinical research center-Factors influencing taste of or an appetite for alcohol.
- MO1RR-00046-14 0049 (CLR) PATTERSON, HUBERT. General clinical research center-Residual common bile duct stones (human).
- MO1RR-00046-14 0050 (CLR) HULKA, JAROSLAV F. General clinical research center-Evaluation of laparoscopic sterilization by springload clip (human).
- MO1RR-00046-14 0051 (CLR) WOOD, WILLIAM B. General clinical research center-Diagnosis of sarcoidosis, effects of corticosteroids on lung sarcoidosis (human).
- MO1RR-00046-14 0052 (CLR) GRAY, TIMOTHY K. General clinical research center-Dietary Ca:P ratios in human.
- MO1RR-00046-14 0053 (CLR) BLYTHE, WILLIAM B. General clinical research center-Escape phenomenon in diabetes insipidus and panhypopituitarism (human).
- MO1RR-00046-14 0054 (CLR) CRAIG, ERNEST. General clinical research center-Cardiac and renal evaluation (human).
- MO1RR-00046-14 0055 (CLR) SESSIONS, JOHN T. General clinical research center-National cooperative Crohn's disease study (human).
- MO1RR-00046-14 0056 (CLR) EWING, JOHN A. General clinical research center-Ethnic aspects of alcohol metabolism (human).
- MO1RR-00046-14 0057 (CLR) ORLANDO, RAY. General clinical research center-Mechanism for the production of bile esophagitis (human).
- MO1RR-00046-14 0058 (CLR) EWING, JOHN A. General clinical research center-Alcohol metabolic rate in humans.
- MO1RR-00047-14 (CLR) BUCHANAN, J. ROBERT, CORNELL UNIV MEDICAL CENTER, 1300 YORK AVENUE, NEW YORK, N. Y. General clinical research center.
- MO1RR-00047-14 0003 (CLR) SHERMAN, RAYMOND L. General clinical research center-Drug therapy in nephrotic syndrome.
- MO1RR-00047-14 0004 (CLR) DANES, BETTY S. General clinical research center-Degradation of monopsaccharides by leukocyte transfusions (human).
- MO1RR-00047-14 0010 (CLR) FUCHS, FRITZ. General clinical research center-Treatment of threatened premature labor with ethanol (human).
- MO1RR-00047-14 0017 (CLR) HEINEMANN, HENRY O. General clinical research center-Role of chloride in serum bicarbonate in hypercapnia (human).
- MO1RR-00047-14 0021 (CLR) HORWITH, MELVIN. General clinical research center-Fate of tritium labeled vitamin D in man.
- MO1RR-00047-14 0023 (CLR) JAVITT, NORMAN B. General clinical research center-Cholestatic syndromes in infancy and childhood.
- MO1RR-00047-14 0024 (CLR) JAVITT, NORMAN B. General clinical research center-Metabolic pathways in bile acid synthesis (human).
- MO1RR-00047-14 0029 (CLR) JAVITT, NORMAN B. General clinical research center-Chronic active hepatitis (human).
- MO1RR-00047-14 0043 (CLR) LEWY, JOHN E. General clinical research center-Immunosuppressive therapy for renal diseases in childhood.
- MO1RR-00047-14 0048 (CLR) MILLER, DENIS R. General clinical research center-Erythrocyte metabolism in anemia (human).
- MO1RR-00047-14 0052 (CLR) NEW, MARIA I. General clinical research center-Effect of bovine growth hormone in pituitary dwarfism (human, cattle).
- MO1RR-00047-14 0055 (CLR) PETERSON, RALPH E. General clinical research center-Steroid metabolism (human).
- MO1RR-00047-14 0069 (CLR) DANES, BETTY S. General clinical research center-Genetic mucopolysaccharidoses (human).
- MO1RR-00047-14 0074 (CLR) BECKER, DAVID V. General clinical research center-Iodine depletion for tumor uptake of radioiodine in thyroid carcinoma (human).
- MO1RR-00047-14 0076 (CLR) SCHAEFER, ROBERT A. General clinical research center-Epidemiology and immunology of hepatitis B antigen carrier state (human).
- MO1RR-00047-14 0081 (CLR) PETERSON, HART. General clinical research center-Children with atypical neuromuscular disorders.
- MO1RR-00047-14 0084 (CLR) SWEET, RICHARD D. General clinical research center-Treatment of Gilles de la Tourette syndrome (human).
- MO1RR-00047-14 0085 (CLR) SWEET, RICHARD D. General clinical research center-Proprietary treatment of essential tremor (human).
- MO1RR-00047-14 0087 (CLR) CHRISTIAN, CHARLES. General clinical research center-Coagulation in lupus nephritis (human).
- MO1RR-00047-14 0088 (CLR) HEINEMANN, HENRY O. General clinical research center-Interaction between electrolytes and respiration (human).
- MO1RR-00047-14 0089 (CLR) MILLER, DENIS R. General clinical research center-Oral cyanate in sickle cell anemia (human).
- MO1RR-00047-14 0090 (CLR) MCSHERRY, CHARLES K. General clinical research center-Clinical evaluation of calculous biliary tract disease.
- MO1RR-00047-14 0091 (CLR) NEW, MARIA I. General clinical research center-Curable hypertension with hyperaldosteronism (human).
- MO1RR-00047-14 0092 (CLR) OLSON, MADELYN, E. General clinical research center-Action of L-dopa in athetoid cerebral palsy (human).
- MO1RR-00047-14 0093 (CLR) PARK, BYUNG, N. General clinical research center-Altered insulin and glucagon secretion in uremia (human).
- MO1RR-00047-14 0094 (CLR) PLUM, FRED. General clinical research center-Treatment of herpes simplex encephalitis with cytosine arabinoside (human).
- MO1RR-00047-14 0095 (CLR) SHAPIRO, ARTHUR K. General clinical research center-Tetrabenazine for Gilles De La Tourette syndrome (human).
- MO1RR-00047-14 0096 (CLR) SOLOMON, GAIL E. General clinical research center-Treatment of subacute necrotizing encephalomyelopathy (human).
- MO1RR-00047-14 0097 (CLR) STOKES, PETER E. General clinical research center-Human growth hormone activity in relation to dwarfism (human).
- MO1RR-00047-14 0098 (CLR) SWEET, RICHARD D. General clinical research center-Modification of response to L-dopa by diet changes (human).
- MO1RR-00047-14 0099 (CLR) SWEET, RICHARD D. General clinical research center-Treatment of movement disorders with piribedil (human).
- MO1RR-00047-14 0100 (CLR) LEWY, JOHN E. General clinical research center-Furosemide in glomerulonephritis, nephrotic syndrome, cong. heart failure.
- MO1RR-00047-14 0101 (CLR) LEWY, JOHN E. General clinical research center-Renal function in urinary tract obstruction (human).
- MO1RR-00047-14 0102 (CLR) MCCRORY, WALLACE. General clinical research center-Renal dysfunction in congenital malformation of kidney or urinary tract (human).
- MO1RR-00047-14 0103 (CLR) MILLER, DENIS R. General clinical research center-Childrens cancer study group A.
- MO1RR-00047-14 0104 (CLR) PETERSON, HART. General clinical research center-Mild neuromuscular disorders in children and families.
- MO1RR-00047-14 0105 (CLR) PETERSON, HART. General clinical research center-Treatment of children with intractable seizures.
- MO1RR-00047-14 0106 (CLR) RIFKIND, ARLEEN. General clinical research center-Influence of drugs and hormones and metabolism in children.
- MO1RR-00048-13 (CLR) ECKENHOFF, JAMES E, NORTHWESTERN UNIV MED SCH, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. Clinical center.
- MO1RR-00048-13 0001 (CLR) FREINKEL, NORBERT. Clinical center-Regulation of metabolic fuels and hormones (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00048-13 0005 (CLR) EARLE, DAVID P. Clinical center-Natural history of renal diseases (human).

MO1RR-00048-13 0006 (CLR) BREWER, JOHN I. Clinical center-Chemotherapy and choriocarcinoma (human).

MO1RR-00048-13 0015 (CLR) BERGAN, JOHN J. Clinical center-Evaluation of homologous renal transplantation (human).

MO1RR-00048-13 0021 (CLR) WILBER, JOHN F. Clinical center-Effect of TRH on pituitary-thyroid axis in man.

MO1RR-00048-13 0023 (CLR) CAMPIONE, KENNETH M. Clinical center-Exercise stress testing of CV performance (human).

MO1RR-00048-13 0024 (CLR) DELGRECO, FRANCESCO. Clinical center-Influence of adrenergic receptors on renin release in hypertension (human).

MO1RR-00048-13 0026 (CLR) DRACHMAN, DAVID. Clinical center-Effect of neurotransmitters on human memory.

MO1RR-00048-13 0028 (CLR) POTICHA, STUART. Clinical center-Intestinal bypass in obesity (human).

MO1RR-00048-13 0030 (CLR) FREINKEL, NORBERT. Clinical center-Carbohydrate metabolism and placental hormone in trophoblastic disease (human).

MO1RR-00048-13 0031 (CLR) ATKINSON, ARTHUR, JR. Clinical center-Pharmacokinetics of diphenylhydantoin (human).

MO1RR-00048-13 0032 (CLR) ROXE, DAVID M. Clinical center-Lipiduria.

MO1RR-00048-13 0033 (CLR) GREEN, DAVID. Clinical center-Treatment with circulating anticoagulants (human).

MO1RR-00048-13 0034 (CLR) DELGRECO, FRANCESCO. Clinical center-Hypokalemia with normal blood pressure (human).

MO1RR-00048-13 0035 (CLR) DRECHMAN, DAVID. Clinical center-Stiff man syndrome.

MO1RR-00048-13 0036 (CLR) KWAAN, HAU C. Clinical center-Evaluation of urokinase for retinal arterial and venous thrombosis (human).

MO1RR-00048-13 0037 (CLR) ROSSI, ENNIO C. Clinical center-Platelet adhesiveness in uremia (human).

MO1RR-00049-13 (CLR) SHOREY, WINSTON K, UNIV OF ARKANSAS MED CENTER, 4301 WEST MARKHAM STREET, LITTLE ROCK, ARK. General clinical research center.

MO1RR-00049-13 0004 (CLR) HAUT, ARTHUR. General clinical research center-Combination drug chemotherapy of non-Hodgkins lymphoma (human).

MO1RR-00049-13 0008 (CLR) JANSEN, THOMAS G. General clinical research center-immunosuppressive agents as azathioprine for auto-immune diseases (human).

MO1RR-00049-13 0011 (CLR) BULLOCH, ROBERT T. General clinical research center-Needle biopsy of ventricular myocardium (human).

MO1RR-00049-13 0014 (CLR) HAUT, ARTHUR. General clinical research center-Cytosine arabinoside and hydroxyurea in acute leukemia (human).

MO1RR-00049-13 0018 (CLR) PLANIGAN, WILLIAM J. General clinical research center-Renal homotransplantation-Modification of rejection (human).

MO1RR-00049-13 0024 (CLR) BERRY, D H. General clinical research center-Type IV hyperlipidemia in 18 month infant (human).

MO1RR-00049-13 0025 (CLR) FAUS, FRED H. General clinical research center-Case study-Multiple endocrine adenomata (human).

MO1RR-00049-13 0026 (CLR) LUCY, DENNIS. General clinical research center-Pharmacology of some veratrum alkaloids (human).

MO1RR-00049-13 0027 (CLR) FLACKE, WERNER E. General clinical research center-Hypotensive veratrum alkaloid (human).

MO1RR-00049-13 0028 (CLR) PLANIGAN, WILLIAM J. General clinical research center-Digoxin turnover in patients undergoing uninephrectomy.

MO1RR-00049-13 0029 (CLR) PLANIGAN, WILLIAM J. General clinical research center-Saliuresis in uninephrectomy for transplantation (human).

MO1RR-00049-13 0030 (CLR) PLANIGAN, WILLIAM J. General clinical research center-Mechanism of action of intravenous zoxazolyn (human).

MO1RR-00049-13 0031 (CLR) FRAUNFELDER, FREDERICK. General clinical research center-Electron microscopy of argyria (human).

MO1RR-00049-13 0082 (CLR) GORDON, VIDA H. General clinical research center-Relationship of lipoprotein lipids to immune response of atopic children.

MO1RR-00049-13 0033 (CLR) GORDON, VIDA H. General clinical research center-Serum lipoproteins in atopic children with pulmonary and gastrointestinal disease.

MO1RR-00049-13 0034 (CLR) LUCY, DENNIS. General clinical research center-Platelet survival in patients with thrombocytosis and neoplasia.

MO1RR-00049-13 0035 (CLR) HAUT, ARTHUR. General clinical research center-Treatment of disseminated melanoma (human).

MO1RR-00049-13 0036 (CLR) HAUT, ARTHUR. General clinical research center-Study of adriamycin in solid tumor patients (human).

MO1RR-00049-13 0037 (CLR) HAUT, ARTHUR. General clinical research center-Induction and maintenance with Guanazole in adult leukemia (human).

MO1RR-00049-13 0038 (CLR) HAUT, ARTHUR. General clinical research center-Adriamycin in adult acute leukemia (human).

MO1RR-00049-13 0039 (CLR) HAUT, ARTHUR. General clinical research center-COAP, DOAP, OAP - chemotherapy for adult acute leukemia (human).

MO1RR-00049-13 0040 (CLR) HAUT, ARTHUR. General clinical research center-Chemotherapy of Hodgkins disease (human).

MO1RR-00049-13 0041 (CLR) RAAB, S O. General clinical research center-Chemotherapy of myeloblastic leukemia (human).

MO1RR-00049-13 0042 (CLR) HAUT, ARTHUR. General clinical research center-Combination chemotherapy programs in melanoma (human).

MO1RR-00049-13 0043 (CLR) JANSEN, THOMAS G. General clinical research center-Treatment of acne, psoriasis and ichthyosiform dermatosis (human).

MO1RR-00049-13 0044 (CLR) JANSEN, THOMAS G. General clinical research center-Treatment for schistosomiasis (human).

MO1RR-00049-13 0045 (CLR) STOUT, KIMBER M. General clinical research center-Isohalamate space study (human).

MO1RR-00049-13 0046 (CLR) WYNN, JAMES O. General clinical research center-Use of disodium etidronate (human).

MO1RR-00049-13 0047 (CLR) HAUT, ARTHUR. General clinical research center-DIC, NSC 123127 and vincristine in sarcoma (human).

MO1RR-00049-13 0048 (CLR) ACKERMAN, GEORGE L. General clinical research center-Alternate day of steroid therapy on the renal lesion of lupus nephritis (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00049-13 0049 (CLR) ACKERMAN, GEORGE L. General clinical research center-Hydrogen ion excretion in hyperthyroidism and other hypercalcemic states (human).

MO1RR-00050-13 (CLR) JAPPE, ERNST R, ALBERT EINSTEIN COLLEGE OF MED, 1300 MORRIS PARK AVENUE, BRONX, N.Y. Wilson's disease.

MO1RR-00050-13 0001 (CLR) SCHEINBERG, I HERBERT. Wilson's disease-Wilson's disease.

MO1RR-00050-13 0004 (CLR) WEINSTEIN, EDWARD. Wilson's disease-Periodic dialysis in chronic renal disease (human).

MO1RR-00050-13 0005 (CLR) SOBEL, EDNA H. Wilson's disease-Children with short stature.

MO1RR-00050-13 0008 (CLR) PAULSEN, ELSA P. Wilson's disease-Obese children (human).

MO1RR-00050-13 0013 (CLR) BLAUFOX, M DONALD. Wilson's disease-Renal blood flow and renin secretion in hypertensive man.

MO1RR-00050-13 0014 (CLR) HAYS, RICHARD M. Wilson's disease-Chlorpropamide and diabetes insipidus (human).

MO1RR-00050-13 0015 (CLR) KAPEN, S. Wilson's disease-Changes in plasma gonadotropins during sleep (human).

MO1RR-00050-13 0020 (CLR) HAYS, RICHARD M. Wilson's disease-Tubular defects in nephrotic syndrome (human).

MO1RR-00050-13 0025 (CLR) RAGINS, HERZL. Wilson's disease-Low residue diets in intestinal malabsorption (human).

MO1RR-00050-13 0027 (CLR) FREEMAN, RUTH G. Wilson's disease-Hirsutism (human).

MO1RR-00050-13 0030 (CLR) DEMING, QUENTIN B. Wilson's disease-Effect of pressure control on hypertension and its sequelae (human).

MO1RR-00050-13 0032 (CLR) GARTNER, L. Wilson's disease-Crigler-Najjar syndrome (human).

MO1RR-00050-13 0034 (CLR) COMEN, BURTON. Wilson's disease-Origin and effects of guanidinosuccinic acidemia in uremia (human).

MO1RR-00050-13 0035 (CLR) BLAUFOX, M DONALD. Wilson's disease-Renal function in renal homotransplant recipients (human).

MO1RR-00050-13 0036 (CLR) BOOKCHIN, ROBERT. Wilson's disease-Sickle cell anemia (human).

MO1RR-00050-13 0038 (CLR) RAGINS, HERZL. Wilson's disease-Synthetic amino acids for nutrition in pancreatic insufficiency (human).

MO1RR-00050-13 0041 (CLR) IPAKCHI, ABRAHAM. Wilson's disease-Changes in renal function in alcoholism and detoxication.

MO1RR-00050-13 0045 (CLR) JAVVE, ERNST. Wilson's disease-Persistent hyperbilirubinemia (human).

MO1RR-00050-13 0046 (CLR) DEMING, QUENTIN B. Wilson's disease-Propranolol in treatment of hypertension (human).

MO1RR-00050-13 0047 (CLR) MUGGIA, F. Wilson's disease-Therapy of lung cancer (human).

MO1RR-00050-13 0048 (CLR) EDER, HOWARD. Wilson's disease-Relation between blood pressure and plasma lipids-Ef.

MO1RR-00050-13 0049 (CLR) MUGGIA, F. Wilson's disease-Acute leukemia (human).

MO1RR-00050-13 0050 (CLR) HAYS, R. Wilson's disease-Anticoagulation in control of chronic nephritis (human).

MO1RR-00050-13 0051 (CLR) WEINSTEIN, EDWARD. Wilson's disease-Sodium intake in azotemia (human).

MO1RR-00050-13 0052 (CLR) WEINSTEIN, EDWARD. Wilson's disease-Survival of renal transplants (human).

MO1RR-00050-13 0053 (CLR) DEMING, QUENTIN B. Wilson's disease-Incidence of hypertension in a high school population.

MO1RR-00050-13 0054 (CLR) BLAUFOX, M DONALD. Wilson's disease-Renal blood flow and renin secretion in normal and hypertensive man.

MO1RR-00050-13 0055 (CLR) WOLINSKY, H. Wilson's disease-Aerosolized trypsin in pulmonary proteinosis (human).

MO1RR-00050-13 0056 (CLR) MUGGIA, F. Wilson's disease-Treatment in patients with metastatic carcinoma of colon and rectum (human).

MO1RR-00050-13 0057 (CLR) SCHOLNICK, H. Wilson's disease-The effects of insulin on lipid metabolism (human).

MO1RR-00050-13 0058 (CLR) WEINSTEIN, EDWARD. Wilson's disease-Clinical studies of sodium control system in uremia (human).

MO1RR-00050-13 0059 (CLR) MUGGIA, F. Wilson's disease-Relation of obesity to nephrotic syndrome.

MO1RR-00050-13 0060 (CLR) MUGGIA, F. Wilson's disease-Bleomycin and other antitumor agents in lymphoma and other neoplasms (human).

MO1RR-00050-13 0061 (CLR) WEINSTEIN, EDWARD. Wilson's disease-Phosphate control system in renal insufficiency-Clinical study (human).

MO1RR-00050-13 0062 (CLR) NITOWSKY, H. Wilson's disease-Homocystinuria (human).

MO1RR-00050-13 0063 (CLR) MUGGIA, F. Wilson's disease-Chemotherapy evaluation programs.

MO1RR-00050-13 0054 (CLR) ROSEN, O. Wilson's disease-cAMP and parathyroid hormone levels in diagnosis of hyperparathyroidism (human).

MO1RR-00050-13 0065 (CLR) NITOWSKY, H. Wilson's disease-Chromosome deletion syndrome (human).

MO1RR-00050-13 0066 (CLR) NITOWSKY, H. Wilson's disease-Hyperlipidemia in juvenile diabetics and degenerative vascular disease.

MO1RR-00050-13 0067 (CLR) MUGGIA, F. Wilson's disease-Evaluation of adriamycin in combination with cyclophosphamide.

MO1RR-00050-13 0068 (CLR) KATZMAN, R. Wilson's disease-Biofeedback conditioning in epileptic patients to suppress cerebral activity.

MO1RR-00050-13 0069 (CLR) SPIRO, A. Wilson's disease-Periodic paralysis.

MO1RR-00050-13 0070 (CLR) FLEISCHER, N. Wilson's disease-Thyrotropin releasing factor and luteinizing hormone releasing factor in man.

MO1RR-00050-13 0071 (CLR) MUGGIA, F. Wilson's disease-Evaluation of new agents in patients with lymphoma.

MO1RR-00050-13 0072 (CLR) MUGGIA, F. Wilson's disease-Evaluation of new treatment in patients with metastatic breast cancer.

MO1RR-00051-13 (CLR) WARD, HARRY P, UNIV OF COLORADO MEDICAL CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. General clinical research center.

MO1RR-00051-13 0001 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-Liver homotransplantation.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00051-13 0002 (CLR) CHIDSEY, CHARLES A III. General clinical research center-Beta blockers in hypertension and angina (human).
- MO1RR-00051-13 0003 (CLR) PETTY, THOMAS L. General clinical research center-Control of hypoxemia in chronic airway obstruction and cor pulmonale (human).
- MO1RR-00051-13 0004 (CLR) POPOVTZER, MORDECAI. General clinical research center-Correction of Ca and P04 abnormalities in renal disease (human).
- MO1RR-00051-13 0006 (CLR) HOEHN, MARGARET. General clinical research center-Relation of therapeutic and side effects of L-dopa with catecholamine metabolism.
- MO1RR-00051-13 0012 (CLR) ROBINSON, WILLIAM. General clinical research center-Leucopoietin assay in acute leukemia (human).
- MO1RR-00051-13 0017 (CLR) BLOCK, MATTHEW. General clinical research center-Polycythemia vera (human).
- MO1RR-00051-13 0018 (CLR) BLOCK, MATTHEW. General clinical research center-Chronic lymphatic leukemia (human).
- MO1RR-00051-13 0020 (CLR) KERN, FRED JR. General clinical research center-Bile acids and microflora in small intestine (human).
- MO1RR-00051-13 0023 (CLR) HILL, GEORGE. General clinical research center-Cancer chemotherapeutic agents (human).
- MO1RR-00051-13 0025 (CLR) FRANKS, JOHN JR. General clinical research center-Fibrinogen metabolism and platelet survival in cancer (human).
- MO1RR-00051-13 0028 (CLR) KATZ, FRED. General clinical research center-Renin and aldosterone studies (human).
- MO1RR-00051-13 0029 (CLR) BECK, PAUL. General clinical research center-Cryohypophysectomy in treatment of pituitary tumors (human).
- MO1RR-00051-13 0035 (CLR) SINGLETON, JOHN. General clinical research center-Azathioprine and prednisone in hepatitis (human).
- MO1RR-00051-13 0051 (CLR) CHIDSEY, CHARLES III. General clinical research center-Therapeutic efficacy of minoxidil (human).
- MO1RR-00051-13 0052 (CLR) POPOVTZER, MORDECAI. General clinical research center-Hyperparathyroidism after renal transplant (human).
- MO1RR-00051-13 0053 (CLR) POPOVTZER, MORDECAI. General clinical research center-Osteomalacia-Effect of Ca and P04 infusions (human).
- MO1RR-00051-13 0055 (CLR) OLIN, DAVID B. General clinical research center-Renal tubular function in acute tubular necrosis (human).
- MO1RR-00051-13 0056 (CLR) REEVE, E BASIL. General clinical research center-Regulation of Ca and phosphorus metabolism (human).
- MO1RR-00051-13 0058 (CLR) KOHLER, PETER. General clinical research center-Familial lupus erythematosus.
- MO1RR-00051-13 0059 (CLR) SMYTH, CHARLEY J. General clinical research center-Multiple parameters for measuring joint inflammation (human).
- MO1RR-00051-13 0061 (CLR) BARTHOLOMEW, BRUCE. General clinical research center-Hyperuricemia and neurologic deficits (human).
- MO1RR-00051-13 0065 (CLR) STRUTHERS, JOHN. General clinical research center-Bile acid metabolism in cirrhosis (human).
- MO1RR-00051-13 0070 (CLR) SINGLETON, JOHN W. General clinical research center-Liver disease in Australia antigen positive blood donors.
- MO1RR-00051-13 0074 (CLR) ALFREY, ALLEN. General clinical research center-Effect of thiazide on calcium metabolism (human).
- MO1RR-00051-13 0075 (CLR) REEVE, E BASIL. General clinical research center-Excretion of methylated purine as indices of neoplasm (human).
- MO1RR-00051-13 0079 (CLR) ALFREY, ALLEN. General clinical research center-Effect of HGH on renal function in renal failure (human).
- MO1RR-00051-13 0080 (CLR) HOLMES, JOSEPH. General clinical research center-Polycystic kidney study (human).
- MO1RR-00051-13 0081 (CLR) BECK, PAUL. General clinical research center-Regulation of prolactin secretion (human).
- MO1RR-00051-13 0082 (CLR) BECK, PAUL. General clinical research center-Estrial's effect on carbohydrate metabolism, coagulation, hypertension (human).
- MO1RR-00051-13 0083 (CLR) BECK, PAUL. General clinical research center-Oral contraceptive agents in diabetes (human).
- MO1RR-00051-13 0084 (CLR) KATZ, FRED. General clinical research center-Episodic secretion of aldosterone (human).
- MO1RR-00051-13 0085 (CLR) WITTEN, THOMAS. General clinical research center-Metabolic products in urine following alcohol administration (human).
- MO1RR-00051-13 0086 (CLR) KERN, FRED JR. General clinical research center-National Cooperative Crohn's Disease Study (human).
- MO1RR-00051-13 0087 (CLR) SIMON, FRANCES. General clinical research center-Coagulation factors and RBC survival in Gilbert's syndrome (human).
- MO1RR-00051-13 0088 (CLR) BLOCK, MATTHEW. General clinical research center-Gaucher's disease (human).
- MO1RR-00051-13 0089 (CLR) ROBINSON, WILLIAM. General clinical research center-Leukemia and humoral regulators of WBC production (human).
- MO1RR-00051-13 0090 (CLR) BLOCK, MATTHEW. General clinical research center-Autologous blood transfusion therapy (human).
- MO1RR-00051-13 0091 (CLR) SMYTH, CHARLEY J. General clinical research center-Suppression of uric acid production by azathioprine (human).
- MO1RR-00051-13 0092 (CLR) BROOKE, MICHAEL. General clinical research center-Central core disease (human).
- MO1RR-00051-13 0093 (CLR) BROOKE, MICHAEL. General clinical research center-Congenital fiber type dysproportion (human).
- MO1RR-00051-13 0094 (CLR) CHIDSEY, CHARLES A III. General clinical research center-Digoxin in heart failure (human).
- MO1RR-00051-13 0095 (CLR) CHIDSEY, CHARLES A III. General clinical research center-GI absorption of digoxin in uremia (human).
- MO1RR-00051-13 0096 (CLR) REEVE, E BASIL. General clinical research center-Efficacy of stored fibrinogen preparations with radioactive iodine (human).
- MO1RR-00051-13 0097 (CLR) BECK, PAUL. General clinical research center-Osteomalacia-Preedmission study (human).
- MO1RR-00051-13 0098 (CLR) NELDER, KENNETH. General clinical research center-Pseudo xanthoma elasticum (human).
- MO1RR-00051-13 0099 (CLR) KOHLER, PETER. General clinical research center-Effect of immune lymphocytes and transfer factor on HAA carrier state (human).
- MO1RR-00051-13 0102 (CLR) SUSSMAN, KARL. General clinical research center-Insulin-resistant diabetes (human).
- MO1RR-00051-13 0103 (CLR) WANDERER, ALAN. General clinical research center-Familial cold urticaria (human).
- MO1RR-00051-13 0104 (CLR) POPOVTZER, MORDECAI. General clinical research center-Migratory periarticular osteoporosis (human).
- MO1RR-00051-13 0105 (CLR) ALFREY, ALLEN. General clinical research center-K balance in severe chronic hypokalemia (human).
- MO1RR-00051-13 0107 (CLR) HOLMES, JOSEPH. General clinical research center-Idiopathic edema (human).
- MO1RR-00051-13 0108 (CLR) HOLMES, JOSEPH. General clinical research center-Recurrent kidney stone former (human).
- MO1RR-00051-13 0109 (CLR) HOLMES, JOSEPH. General clinical research center-Acute phosdrin exposure (human).
- MO1RR-00051-13 0110 (CLR) MORRIS, HELEN. General clinical research center-Vitamin D resistant rickets (human).
- MO1RR-00051-13 0111 (CLR) BLOCK, MATTHEW. General clinical research center-Hemolytic anemia (human).
- MO1RR-00051-13 0112 (CLR) HOLMES, JOSEPH. General clinical research center-Lupus erythematosus in pregnancy (human).
- MO1RR-00051-13 0113 (CLR) HAMSTRA, ROGER. General clinical research center-Chemotherapeutic suppression of factor VIII antibodies (human).
- MO1RR-00051-13 0114 (CLR) ELLIS, PHILIP. General clinical research center-Immunosuppressive (cytoxan) therapy in uveitis (human).
- MO1RR-00051-13 0115 (CLR) STARZL, THOMAS E. General clinical research center-Renal transplantation (human).
- MO1RR-00051-13 0116 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-Heterologous antilymphocyte globulin (human).
- MO1RR-00051-13 0117 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-Cyclophosphamide (human).
- MO1RR-00051-13 0118 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-Immunologic reactivity of recipients (human).
- MO1RR-00051-13 0119 (CLR) STARZL, THOMAS E. General clinical research center-Parathyroid gland and transplantation (human).
- MO1RR-00051-13 0120 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-Hyperacute rejection (human).
- MO1RR-00051-13 0121 (CLR) STARZL, THOMAS E. General clinical research center-Autotransplantation of the kidney (human).
- MO1RR-00051-13 0122 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-Studies of malignancies (human).
- MO1RR-00051-13 0123 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-HLA typing (human).
- MO1RR-00051-13 0124 (CLR) STARZL, THOMAS E. General clinical research center-Treatment of glycogen storage diseases by portal blood diversion (human).
- MO1RR-00051-13 0125 (CLR) GENTON, EDWARD. General clinical research center-Coagulation in primary pulmonary hypertension (human).
- MO1RR-00051-13 0126 (CLR) KERN, FRED. General clinical research center-Fecal excretion and enterohepatic circulation of bile salts in diarrhea (human).
- MO1RR-00051-13 0127 (CLR) DAVIS, ROGER. General clinical research center-Methods for measuring bile acid synthesis (rats, human).
- MO1RR-00051-13 0128 (CLR) KOGLER, J. General clinical research center-Handling and fate of tissue I 125 fibrinogen (rabbits, human).
- MO1RR-00051-13 0129 (CLR) OORDON, STUART. General clinical research center-Purification and estimation of cancer thrombogenic factor (human).
- MO1RR-00051-13 0130 (CLR) BADKE, FRED. General clinical research center-Development of a model of salt and water regulation (human).
- MO1RR-00051-13 0131 (CLR) GORDON, STUART. General clinical research center-Development of vasopressin assay (rats, guinea pigs, rabbits).
- MO1RR-00051-13 0133 (CLR) ALFREY, ALLEN. General clinical research center-Calcium hyperabsorption (human).
- MO1RR-00051-13 0134 (CLR) POPOVTZER, MORDECAI. General clinical research center-Renal tubular acidosis after renal transplantation (human).
- MO1RR-00051-13 0135 (CLR) STARZL, THOMAS E. General clinical research center-Organ transplantation-Extrarenal organs (human).
- MO1RR-00051-13 0136 (CLR) CHIDSEY, CHARLES A. General clinical research center-Action of isoproterenol in asthma (human).
- MO1RR-00051-13 0137 (CLR) SMYTH, CHARLEY. General clinical research center-Cyclophosphamide treatment of rheumatoid arthritis (human).
- MO1RR-00051-13 0138 (CLR) ROBINSON, WILLIAM. General clinical research center-Infusions of granulocytes in granulocytic leukemia (human).
- MO1RR-00051-13 0139 (CLR) WARD, HARRY. General clinical research center-Myeloproliferative factors in polycythemia vera and myeloid metaplasia (human).
- MO1RR-00051-13 0140 (CLR) HAMSTRA, ROGER. General clinical research center-Clinical evaluation of EX-10-478 (human).
- MO1RR-00051-13 0141 (CLR) BLOCK, MATTHEW. General clinical research center-Early changes in chronic granulocytic leukemia (human).
- MO1RR-00051-13 0142 (CLR) ROBINSON, ARTHUR. General clinical research center-Adult cytogenetics (human).
- MO1RR-00051-13 0143 (CLR) DUBOIS, REUBEN S. General clinical research center-Triethylene tetramine dihydrochloride in Wilson's disease (human).
- MO1RR-00051-13 0144 (CLR) TAKEDA, Y. General clinical research center-Metabolism and distribution of prothrombin and plasminogen.
- MO1RR-00051-13 0145 (CLR) GENTON, EDWARD. General clinical research center-Platelet function in heart valvular prosthesis (human).
- MO1RR-00051-13 0146 (CLR) KOHLER, PETER F. General clinical research center-Complement metabolism in immunologically mediated disease (human).
- MO1RR-00051-13 0147 (CLR) ASHBAUGH, DAVID G. General clinical research center-Elemental diet in malabsorption states and chronic disorders.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00051-13 0148 (CLR) BROWN, WM. R. General clinical research center—Intestinal microflora in immunological deficiencies (human).	MO1RR-00052-13 0046 (CLR) HOLTZMAN, NEIL A. General clinical research center for children—Evaluation of a new defect in amino acid transport.
MO1RR-00051-13 0149 (CLR) SINGLETON, JOHN W. General clinical research center—Effect of ethanol on small bowel absorption of folate and glucose (human).	MO1RR-00052-13 0047 (CLR) HOLTZMAN, NEIL A. General clinical research center for children—Homocystinuria.
MO1RR-00051-13 0150 (CLR) KAYE, MICHAEL D. General clinical research center—Duodenal gastric reflux in reflux esophagitis (human).	MO1RR-00052-13 0048 (CLR) MCKUSICK, VICTOR A. General clinical research center for children—Mucopolysaccharidoses.
MO1RR-00051-13 0151 (CLR) KAY, MICHAEL. General clinical research center—Hormonal and pressure response of esophageal sphincter in gastroesophageal reflux.	MO1RR-00052-13 0049 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Turner's syndrome.
MO1RR-00051-13 0152 (CLR) HILL, GEORGE. General clinical research center—Cancer chemotherapy in solid tumors with poor prognosis (human).	MO1RR-00053-13 (CLR) CHERKASKY, MARTIN, MONTIFLORE HOSP AND MED CENTER, 111 EAST 210TH STREET, BRONX, N. Y. Clinical research center.
MO1RR-00051-13 0153 (CLR) KATZ, FRED H. General clinical research center—Gonadal hormones and renin-angiotensin-aldosterone system (human).	MO1RR-00053-13 0001 (CLR) GALLAGHER, T F. Clinical research center—Cortisol and ACTH secretory patterns (human).
MO1RR-00051-13 0154 (CLR) BECK, PAUL. General clinical research center—Some metabolites of contraceptive steroids (human, dogs, monkeys).	MO1RR-00053-13 0002 (CLR) ZUMOFF, BARNETT. Clinical research center—Secretion and metabolism of cortisol in anephric patients.
MO1RR-00051-13 0155 (CLR) BROOKE, MICHAEL. General clinical research center—Muscle contractility in man.	MO1RR-00053-13 0003 (CLR) HELLMAN, LEON. Clinical research center—Oxidoreduction of cortisol in anephric patients.
MO1RR-00051-13 0156 (CLR) AUSTIN, JAMES H. General clinical research center—Pyridinol carbamate in neurological diseases (human).	MO1RR-00053-13 0004 (CLR) ZUMOFF, BARNETT. Clinical research center—Secretion and metabolism of cortisol in thyroid disease (human).
MO1RR-00051-13 0157 (CLR) POPOVTZER, MORDECAI. General clinical research center—Effect of hematocrit on renal handling of sodium in renal failure (human).	MO1RR-00053-13 0005 (CLR) SACHER, EDWARD J. Clinical research center—Influence of antidepressants on cortisol metabolism (human).
MO1RR-00051-13 0158 (CLR) ALFREY, ALLEN. General clinical research center—Magnesium-losing nephropathy (human).	MO1RR-00053-13 0006 (CLR) BRADLOW, H LEON. Clinical research center—Metabolism of cortisol and cortisone by leukocytes.
MO1RR-00051-13 0159 (CLR) ALFREY, ALLEN. General clinical research center—Effect of phosphorus on Ca metabolism in uremia (human).	MO1RR-00053-13 0007 (CLR) ZUMOFF, BARNETT. Clinical research center—Influence of aspirin on cortisol metabolism (human).
MO1RR-00051-13 0160 (CLR) HOLMES, JOSEPH H. General clinical research center—Taste studies in renal patients.	MO1RR-00053-13 0008 (CLR) FISHMEN, JACK. Clinical research center—Measurement of 2-hydroxyestrogen in biological fluids (human).
MO1RR-00051-13 0161 (CLR) REEVE, E BASIL. General clinical research center—Models of calcium and phosphorus metabolism.	MO1RR-00053-13 0010 (CLR) FISHMEN, JACK. Clinical research center—Kinetics of estradiol metabolism in man.
MO1RR-00051-13 0162 (CLR) BECK, PAUL. General clinical research center—Hormonal modulation of circulating parathormone (human).	MO1RR-00053-13 0011 (CLR) FISHMEN, JACK. Clinical research center—Preovulatory peak of estradiol (human).
MO1RR-00051-13 0163 (CLR) MORRIS, H G. General clinical research center—Ca and P metabolism in asthma treated with theophylline and barbiturates.	MO1RR-00053-13 0012 (CLR) FISHMEN, JACK. Clinical research center—Estradiol metabolites as feedback controls (human).
MO1RR-00051-13 0164 (CLR) SCHEMMELE, JANET. General clinical research center—Calcium infusion and calcium balance in osteoporosis (human).	MO1RR-00053-13 0014 (CLR) FISHMEN, JACK. Clinical research center—Conjugate directed metabolism of estrogens (human).
MO1RR-00052-13 (CLR) MORGAN, RUSSELL H, JOHNS HOPKINS UNIVERSITY, 601 NORTH BROADWAY, BALTIMORE, MD. General clinical research center for children.	MO1RR-00053-13 0015 (CLR) BOYAR, ROBERT M. Clinical research center—Hyperestrogenism in males with nodular adrenal hyperplasia (human).
MO1RR-00052-13 0001 (CLR) CHISOLM, J JULIAN. General clinical research center for children—Subclinical toxic effects of childhood plumbism.	MO1RR-00053-13 0016 (CLR) FISHMAN, JACK. Clinical research center—Prostaglandins and estrogens (human).
MO1RR-00052-13 0006 (CLR) WILLIAMS, G MELVILLE. General clinical research center for children—Renal transplantation.	MO1RR-00053-13 0017 (CLR) ZUMOFF, BARNETT. Clinical research center—Altered androgen metabolism in illness (human).
MO1RR-00052-13 0007 (CLR) WHITE, JOHN J. General clinical research center for children—Colosphinctic reflexes in ano-rectal disorders.	MO1RR-00053-13 0018 (CLR) FUKUSHIMA, DAVID K. Clinical research center—Water soluble metabolites of cortisol (human).
MO1RR-00052-13 0008 (CLR) KROVETZ, L JEROME. General clinical research center for children—Pressure flow waveforms in arterial systems.	MO1RR-00053-13 0020 (CLR) BOYAR, ROBERT M. Clinical research center—Episodic production of C19 steroids in pathological conditions (human).
MO1RR-00052-13 0009 (CLR) FREEMAN, JOHN M. General clinical research center for children—Degenerative diseases of central nervous system.	MO1RR-00053-13 0021 (CLR) FUKUSHIMA, DAVID K. Clinical research center—Steroid N-acetylglucosaminides (human).
MO1RR-00052-13 0012 (CLR) KROVETZ, L JEROME. General clinical research center for children—Congenital heart defects.	MO1RR-00053-13 0022 (CLR) FINKELSTEIN, JORDAN W. Clinical research center—Growth hormone in breast cancer (human).
MO1RR-00052-13 0013 (CLR) HOLTZMAN, NEIL A. General clinical research center for children—Dietary treatment of phenylketonuria.	MO1RR-00053-13 0023 (CLR) BOYAR, ROBERT M. Clinical research center—Gonadotropin release and biological rhythms (human).
MO1RR-00052-13 0014 (CLR) KROVETZ, L JEROME. General clinical research center for children—Pulmonary vascular impedance in congenital heart disease.	MO1RR-00053-13 0024 (CLR) BOYAR, ROBERT M. Clinical research center—Paradoxical estrogen response to dexamethasone (human).
MO1RR-00052-13 0017 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Effect of steroids on alopecia.	MO1RR-00053-13 0025 (CLR) SACHAR, EDWARD J. Clinical research center—Cortisol production in mania (human).
MO1RR-00052-13 0018 (CLR) MCKUSICK, VICTOR A. General clinical research center for children—Heritable disorders of connective tissue.	MO1RR-00053-13 0026 (CLR) SACHAR, EDWARD J. Clinical research center—Cortisol secretion in depression (human).
MO1RR-00052-13 0019 (CLR) MCKUSICK, VICTOR A. General clinical research center for children—Genetic disorders of osseous skeleton.	MO1RR-00053-13 0027 (CLR) FINKELSTEIN, JORDAN W. Clinical research center—Somatotropin response to insulin tolerance in depression, schizophrenia (human).
MO1RR-00052-13 0021 (CLR) MCKUSICK, VICTOR A. General clinical research center for children—Selected genetic disorders.	MO1RR-00053-13 0028 (CLR) ROFFWARG, HOWARD P. Clinical research center—Sleep and endocrine patterns in opiate addicts (human).
MO1RR-00052-13 0022 (CLR) WHITE, JOHN J. General clinical research center for children—Small bowel bypass for obesity.	MO1RR-00053-13 0029 (CLR) WEITZMAN, ELLIOT D. Clinical research center—The sleep-wake cycle and its neuro-endocrine correlates (human).
MO1RR-00052-13 0023 (CLR) WHITE, JOHN J. General clinical research center for children—Treatment for cryptorchidism.	MO1RR-00053-13 0030 (CLR) WEITZMAN, ELLIOT D. Clinical research center—Ultradian cycles during circadian sleep-wake cycles (human).
MO1RR-00052-13 0024 (CLR) ENGEL, RAINER M. General clinical research center for children—Neurogenic bladder.	MO1RR-00053-13 0031 (CLR) WEITZMAN, ELLIOT D. Clinical research center—Influence of sleep-wake cycle on psychomotor performance (human).
MO1RR-00052-13 0028 (CLR) MCKUSICK, VICTOR A. General clinical research center for children—Rare genetic defects in genetic isolates.	MO1RR-00053-13 0032 (CLR) WEITZMAN, ELLIOT D. Clinical research center—Acute reversal and re-reversal of sleep-wake cycle (human).
MO1RR-00052-13 0030 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Endocrinology—Growth hormone.	MO1RR-00053-13 0033 (CLR) WEITZMAN, ELLIOT D. Clinical research center—Influence of waking-time on reversal and re-reversal sleep-wake cycle (human).
MO1RR-00052-13 0031 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Endocrinology—Cortisol.	MO1RR-00053-13 0034 (CLR) WEITZMAN, ELLIOT D. Clinical research center—Effect of progressive shortening of sleep time (human).
MO1RR-00052-13 0033 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Endocrinology—Diurnal variation of testosterone.	MO1RR-00053-13 0035 (CLR) WEITZMAN, ELLIOT D. Clinical research center—Neurologic mechanism controlling growth hormone secretion relative to sleep (human).
MO1RR-00052-13 0034 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Endocrinology—Carbohydrate metabolism.	MO1RR-00053-13 0036 (CLR) WEITZMAN, ELLIOT D. Clinical research center—Sleep disorders (human).
MO1RR-00052-13 0035 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Sexual development, gonadotropins.	MO1RR-00053-13 0037 (CLR) VEITH, FRANK J. Clinical research center—Lung transplantation (human).
MO1RR-00052-13 0038 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Sexual precocity.	MO1RR-00053-13 0038 (CLR) FINKELSTEIN, JORDAN W. Clinical research center—Growth hormone and sulfation factor in diabetes (human).
MO1RR-00052-13 0040 (CLR) HOLTZMAN, NEIL A. General clinical research center for children—Menke's kinky hair syndrome.	MO1RR-00053-13 0039 (CLR) FINKELSTEIN, JORDAN W. Clinical research center—Effect of behavioral state on growth hormone in neonates and young infants (human).
MO1RR-00052-13 0041 (CLR) BLIZZARD, ROBERT M. General clinical research center for children—Pituitary hormones in relationship to other hormones.	MO1RR-00053-13 0040 (CLR) FINKELSTEIN, JORDAN W. Clinical research center—Growth hormone release during slow wave sleep in children with maternal deprivation.
MO1RR-00052-13 0042 (CLR) KWITEROVICH, PETER O JR. General clinical research center for children—Treatment of lipoproteinemia.	MO1RR-00053-13 0041 (CLR) BARZEL, URIEL S. Clinical research center—Ammonium excretion in aging (human).
MO1RR-00052-13 0043 (CLR) MCKUSICK, VICTOR A. General clinical research center for children—The XYZ syndrome and other chromosomal aberrations.	MO1RR-00053-13 0042 (CLR) BARZEL, URIEL S. Clinical research center—Prevention of immobilization osteoporosis (human).
MO1RR-00052-13 0044 (CLR) ZINKHAM, WILLIAM H. General clinical research center for children—Syndrome of Sea-blue histiocytes.	MO1RR-00053-13 0043 (CLR) OPPENHEIMER, JACK H. Clinical research center—Peripheral metabolism of thyroid hormones (human).
MO1RR-00052-13 0045 (CLR) FREEMAN, JOHN M. General clinical research center for children—A new treatable form of schizophrenia.	MO1RR-00053-13 0044 (CLR) BOYAR, ROBERT M. Clinical research center—Kinetics of cortisol-cortisone interconversion in hyperthyroidism (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00053-13 0045 (CLR) BOYAR, ROBERT M. Clinical research center-Identification on new acidic metabolites of cortisol in man.	MO1RR-00054-13 0064 (CLR) SHIMOSATA, SHIRO. General clinical research center-CV effect of forane and ethrane on volunteers.
MO1RR-00053-13 0046 (CLR) SACHAR, EDWARD J. Clinical research center-Disrupted 24-hour patterns of cortisol secretion in psychotic depression (human).	MO1RR-00054-13 0065 (CLR) TURKSOY, NURAN. General clinical research center-Luteolytic action of prostaglandin (human).
MO1RR-00053-13 0047 (CLR) SACHAR, EDWARD J. Clinical research center-Oxidation of testosterone in man-Absence of a sex difference.	MO1RR-00054-13 0066 (CLR) COHEN, JORDAN. General clinical research center-Chronic hypoxemia in man.
MO1RR-00053-13 0048 (CLR) SACHAR, EDWARD J. Clinical research center-Plasma and urinary testosterone levels in depressed men.	MO1RR-00054-13 0067 (CLR) COHEN, JORDAN. General clinical research center-Effect of salt loading on salt excretion (human).
MO1RR-00053-13 0052 (CLR) BOYAR, ROBERT M. Clinical research center-Radioimmunoassay of 15 alpha-hydroxyestriol in pregnancy plasma (human).	MO1RR-00054-13 0068 (CLR) REICHLIN, SEYMOUR. General clinical research center-Hypophysiotropic hormones, TRH, LRH in body fluids (human).
MO1RR-00053-13 0054 (CLR) BOYAR, ROBERT M. Clinical research center-Secretion of luteinizing hormone during menstruation (human).	MO1RR-00054-13 0069 (CLR) REICHLIN, SEYMOUR. General clinical research center-Metabolism of growth hormone in diabetes with and without retinopathy (human).
MO1RR-00053-13 0055 (CLR) FINKELSTEIN, JORDAN W. Clinical research center-Age-related change in 24-hour secretion of growth hormone (children, adults).	MO1RR-00054-13 0070 (CLR) REICHLIN, SEYMOUR. General clinical research center-Synthetic LH-RH as a pituitary diagnostic test (human).
MO1RR-00053-13 0056 (CLR) FINKELSTEIN, JORDAN W. Clinical research center-Plasma insulin and growth hormone in galactosemia (human).	MO1RR-00054-13 0071 (CLR) WEINSTEIN, LOUIS. General clinical research center-Effect of diuretics on serum level and excretion of cephalotin (human).
MO1RR-00053-13 0057 (CLR) BOYAR, ROBERT M. Clinical research center-Secretion of cortisol and growth hormone in sleep deprivation (monkeys).	MO1RR-00054-13 0072 (CLR) REICHLIN, SEYMOUR. General clinical research center-Thyrotoxicosis (human).
MO1RR-00053-13 0058 (CLR) ROFFWARG, HOWARD P. Clinical research center-Growth hormone responses to L-Dopa in depression.	MO1RR-00055-13 (CLR) JACOBSON, LEON O, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. General clinical research center.
MO1RR-00053-13 0059 (CLR) BOYAR, ROBERT M. Clinical research center-Temporal relation between GHG release and sleep stages (human).	MO1RR-00055-13 0001 (CLR) DEGROOT, LESLIE J. General clinical research center-Use of I-125 and I-131 in studies of thyroid disease.
MO1RR-00053-13 0060 (CLR) BOYAR, ROBERT M. Clinical research center-Circadian pattern of growth hormone secretion in acromegaly (human).	MO1RR-00055-13 0002 (CLR) EHRlich, EDWARD N. General clinical research center-Steroid hormones in electrolyte regulation in pregnancy.
MO1RR-00053-13 0061 (CLR) BOYAR, ROBERT M. Clinical research center-Reduction of sleep related growth hormone release after clomiphene (human).	MO1RR-00055-13 0004 (CLR) ROSENBERG, IRWIN H. General clinical research center-Imuran treatment of ulcerative colitis (human).
MO1RR-00053-13 0062 (CLR) BOYAR, ROBERT M. Clinical research center-Human prolactin-24 hr pattern with increased release during sleep.	MO1RR-00055-13 0016 (CLR) RUBENSTEIN, ARTHUR. General clinical research center-Juvenile diabetes-Proinsulin metabolism (human).
MO1RR-00053-13 0063 (CLR) BOYAR, ROBERT M. Clinical research center-Vestibular stimulation during sleep in young adults.	MO1RR-00055-13 0020 (CLR) MULLAN, JOHN F. General clinical research center-Control of intracranial aneurysms (human).
MO1RR-00053-13 0064 (CLR) BOYAR, ROBERT M. Clinical research center-Changes in sleep stage pattern during menstruation (human).	MO1RR-00055-13 0022 (CLR) LAWRENCE, ANN M. General clinical research center-Regulation of growth hormone secretion in health and disease (human).
MO1RR-00053-13 0065 (CLR) FINKELSTEIN, JORDAN W. Clinical research center-Episodic secretion of hormones-Luteinizing hormones (human).	MO1RR-00055-13 0026 (CLR) LANDAU, RICHARD L. General clinical research center-Endocrine status in pituitary tumor (human).
MO1RR-00053-13 0066 (CLR) BOYAR, ROBERT M. Clinical research center-Measurement of cortisol production rate (human).	MO1RR-00055-13 0027 (CLR) LAWRENCE, ANN M. General clinical research center-Growth hormone enhancement of epinephrine induced lipolysis (human).
MO1RR-00053-13 0067 (CLR) BOYAR, ROBERT M. Clinical research center-Steroid metabolism in breast cancer (human).	MO1RR-00055-13 0029 (CLR) KIRSNER, JOSEPH B. General clinical research center-Study of imuran in regional enteritis (human).
MO1RR-00053-13 0068 (CLR) BOYAR, ROBERT M. Clinical research center-Steroid metabolism in prostate cancer (human).	MO1RR-00055-13 0030 (CLR) OFFENKRANTZ, WILLIAM. General clinical research center-Study of sequential dreams.
MO1RR-00053-13 0069 (CLR) BOYAR, ROBERT M. Clinical research center-Metabolism of adrenal and gonadal steroids-Androgens (human).	MO1RR-00055-13 0032 (CLR) JARABAK, ALEX E. General clinical research center-Cushing's disease (human).
MO1RR-00053-13 0070 (CLR) BOYAR, ROBERT M. Clinical research center-Metabolism of adrenal and gonadal steroids-Estrogens (human).	MO1RR-00055-13 0033 (CLR) DEGROOT, LESLIE J. General clinical research center-Evaluation of I-131 in treatment of Graves disease (human).
MO1RR-00053-13 0071 (CLR) BOYAR, ROBERT M. Clinical research center-Metabolism of adrenal and gonadal steroids-Cortisol (human).	MO1RR-00055-13 0037 (CLR) DEGROOT, LESLIE J. General clinical research center-Immunotherapy of thyroid cancer (human).
MO1RR-00053-13 0072 (CLR) BOYAR, ROBERT M. Clinical research center-Sex differences in hormone metabolism (human).	MO1RR-00055-13 0044 (CLR) COHEN, LOUIS. General clinical research center-Therapy of cardio-and skeletal myopathies (human).
MO1RR-00053-13 0073 (CLR) BOYAR, ROBERT M. Clinical research center-Steroid metabolism-Non-specific illness effects and drug effects (human).	MO1RR-00055-13 0049 (CLR) LANDAU, RICHARD L. General clinical research center-Effects of intestinal bypass in obesity (human).
MO1RR-00053-13 0074 (CLR) SACHAR, EDWARD J. Clinical research center-Elevated plasma cortisol in anorexia nervosa (human).	MO1RR-00055-13 0054 (CLR) NEWELL, FRANK W. General clinical research center-Retinal profiles in retinal disease and sex-linked carriers (human).
MO1RR-00053-13 0075 (CLR) BOYAR, ROBERT M. Clinical research center-Urinary steroid metabolism in obesity (human).	MO1RR-00055-13 0061 (CLR) ROSENBERG, IRWIN H. General clinical research center-Triated folic acid for evaluating intestinal absorption (human).
MO1RR-00053-13 0076 (CLR) BOYAR, ROBERT M. Clinical research center-Steroid metabolism in polycystic ovary syndrome (human).	MO1RR-00055-13 0062 (CLR) RENAULT, PIERRE F. General clinical research center-Operant conditioning of gastric acid secretion (human).
MO1RR-00053-13 0077 (CLR) BOYAR, ROBERT M. Clinical research center-Steroid metabolism in feminizing adrenal carcinoma (human).	MO1RR-00055-13 0063 (CLR) LINDHEIMER, MARSHALL D. General clinical research center-Renal function in pregnancy (human).
MO1RR-00053-13 0078 (CLR) BOYAR, ROBERT M. Clinical research center-Hormone metabolism in diabetes mellitus (human).	MO1RR-00055-13 0064 (CLR) NEWELL, FRANK W. General clinical research center-Retinal profile of children with low visual acuity.
MO1RR-00053-13 0079 (CLR) BOYAR, ROBERT M. Clinical research center-Endocrine effects on leukocytopenia (rats).	MO1RR-00055-13 0065 (CLR) LANDAU, RICHARD L. General clinical research center-Influence of chorionic gonadotropins in hypopituitarism (human).
MO1RR-00053-13 0080 (CLR) BOYAR, ROBERT M. Clinical research center-Endocrine function in isolated gonadotropin deficiency (human).	MO1RR-00055-13 0066 (CLR) REPETOFF, SAMUEL. General clinical research center-Response of TSH, LH and prolactin to TRH and L-dopa (human).
MO1RR-00053-13 0081 (CLR) ROFFWARG, HOWARD. Clinical research center-Disposition of naloxone in narcotic dependent men.	MO1RR-00055-13 0067 (CLR) NEWELL, FRANK W. General clinical research center-Retinal profiles in congenital stationary disorders (human).
MO1RR-00053-13 0082 (CLR) WEITZMAN, ELLIOT. Clinical research center-Syndrome of adrenal hyperplasia with feminization and hyperprolactinemia (human).	MO1RR-00055-13 0069 (CLR) NEWELL, FRANK W. General clinical research center-Toxic retinal effects of drugs measured by tests of retinal function (human).
MO1RR-00054-13 (CLR) REICHLIN, SEYMOUR, NEW ENGLAND MEDICAL CTR HOSP, 171 HARRISON AVENUE, BOSTON, MASS. General clinical research center.	MO1RR-00055-13 0070 (CLR) FERGOUSON, DONALD J. General clinical research center-Evaluation of cancer treatment measurement of cesium 131 uptake.
MO1RR-00054-13 0037 (CLR) REICHLIN, SEYMOUR. General clinical research center-Modulatory carcinoma of thyroid (human).	MO1RR-00055-13 0071 (CLR) PALOYAN, EDWARD. General clinical research center-Hormonal influences on formation and prevention of urinary stones (human).
MO1RR-00054-13 0042 (CLR) SCHWARTZ, BERNARD. General clinical research center-Glaucoma endocrine study (human).	MO1RR-00055-13 0073 (CLR) PALMER, ROBERT. General clinical research center-Bile acid metabolism (human).
MO1RR-00054-13 0044 (CLR) NECHELES, THOMAS F. General clinical research center-Effects of hypertransfusion in chronic anemias (human).	MO1RR-00055-13 0074 (CLR) LIM, VICTORIA S. General clinical research center-Gonadal function in uremia (human).
MO1RR-00054-13 0046 (CLR) SCHWARTZ, ROBERT. General clinical research center-Treatment of immune diseases with immunosuppressive drugs (human).	MO1RR-00055-13 0075 (CLR) JONES, RICHARD. General clinical research center-Acute response to carbohydrate feedings of serum lipids (human).
MO1RR-00054-13 0050 (CLR) BANAS, JOHN S. General clinical research center-Effect of assisted circulation on myocardial infarct, angina pectoris (human).	MO1RR-00055-13 0078 (CLR) DEGROOT, LESLIE J. General clinical research center-Use of cortisone and imuran for exophthalmos, myxedema and hyperthyroidism (human).
MO1RR-00054-13 0053 (CLR) KAPLAN, MARSHALL. General clinical research center-Treatment of primary biliary cirrhosis with immunosuppressive agents (human).	MO1RR-00055-13 0086 (CLR) BOYER, JAMES L. General clinical research center-Phenobarbital treatment of cholestasis (human).
MO1RR-00054-13 0056 (CLR) NECHELES, THOMAS. General clinical research center-Osteogenic sarcoma (human).	MO1RR-00055-13 0087 (CLR) BARON, JOSEPH M. General clinical research center-Azulfidine related to homolytic anemia (human).
MO1RR-00054-13 0058 (CLR) SENIOR, BORIS. General clinical research center-Hyperlactacidemia disease in glycogen storage (human).	MO1RR-00055-13 0088 (CLR) ROSENFELD, ROBERT L. General clinical research center-Relationship of androgens to female infertility (human).
MO1RR-00054-13 0060 (CLR) SORRY, HARRY. General clinical research center-Evaluation of intravenous fat solution in trauma patients.	MO1RR-00055-13 0089 (CLR) ZAREM, HARVEY A. General clinical research center-Evaluation of patients seeking sex changes.
MO1RR-00054-13 0063 (CLR) GRANGER, CARL. General clinical research center-Bell's palsy (human).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- M01RR-00055-13 0090 (CLR) REFETOFF, SAMUEL. General clinical research center—Turnover rate of thyroxin binding globulin in man.
- M01RR-00055-13 0091 (CLR) LAWRENCE, ANN M. General clinical research center—Metabolic interaction of insulin, glucagon and growth hormone (human).
- M01RR-00055-13 0092 (CLR) MCCARTY, DANIEL J. General clinical research center—Chondrocalcinosis—measure of inorganic pyrophosphate (human).
- M01RR-00055-13 0092 (CLR) MCCARTY, DANIEL J. General clinical research center—Diurnal variation in plasma pyrophosphates (human).
- M01RR-00055-13 0094 (CLR) LANDAU, RICHARD L. General clinical research center—Anorexia nervosa (human).
- M01RR-00055-13 0095 (CLR) LEWIS, EDWARD J. General clinical research center—Effect of saline loading on renal allograft response (human).
- M01RR-00055-13 0096 (CLR) MULLAN, JOHN E. General clinical research center—Hypophysectomy in treatment of embryonal cell testicular tumor (human).
- M01RR-00055-13 0097 (CLR) EHRUCH, EDMUND N. General clinical research center—Renin-angiotensin-aldosterone responses in autonomic insufficiency (human).
- M01RR-00055-13 0098 (CLR) LIM, VICTORIA S. General clinical research center—Acid-base physiology in pregnancy (human).
- M01RR-00055-13 0099 (CLR) ROSENBERG, IRWIN H. General clinical research center—Parenteral hyperalimentation for acute ulcerative colitis (human).
- M01RR-00055-13 0100 (CLR) RUBENSTEIN, ARTHUR. General clinical research center—Autoregulation of insulin secretion (human).
- M01RR-00055-13 0101 (CLR) RENAULT, PIERRE F. General clinical research center—Non-discriminating avoidance escape procedure—chlorpromazine study (human).
- M01RR-00055-13 0102 (CLR) OPARIL, S. General clinical research center—Metabolic and antihypertensive effects of propranolol (human).
- M01RR-00055-13 0103 (CLR) LANDAU, RICHARD L. General clinical research center—Estradiol induction of LH release in males.
- M01RR-00055-13 0104 (CLR) LANDAU, RICHARD L. General clinical research center—Male infertility (human).
- M01RR-00055-13 0105 (CLR) KAPLAN, EDWIN L. General clinical research center—Acid base endocrine secretion (human).
- M01RR-00055-13 0106 (CLR) JACOBSON, LEON O. General clinical research center—Measurement of insulin and proinsulin in obesity and insulinoma (human).
- M01RR-00055-13 0107 (CLR) JACOBSON, LEON O. General clinical research center—C-peptide as indicator of insulin secretion in diabetes (human).
- M01RR-00055-13 0103 (CLR) JACOBSON, LEON O. General clinical research center—Serum insulin levels following administration of insulin (human).
- M01RR-00055-13 0109 (CLR) JACOBSON, LEON O. General clinical research center—Metabolic unresponsiveness in chronic inflammatory bowel disease (children).
- M01RR-00055-13 0110 (CLR) JACOBSON, LEON O. General clinical research center—Viral hepatitis and occupational hazard to surgeons.
- M01RR-00055-13 0111 (CLR) JACOBSON, LEON O. General clinical research center—Influence of progesterone on volume homeostasis in man.
- M01RR-00055-13 0112 (CLR) JACOBSON, LEON O. General clinical research center—Acanthosis nigricans a result of stilbestrol therapy.
- M01RR-00055-13 0113 (CLR) JACOBSON, LEON O. General clinical research center—Treatment of adrenal cancer with ortho-p' DDD (human).
- M01RR-00055-13 0114 (CLR) JACOBSON, LEON O. General clinical research center—Spermatogenic suppression by oral agents (human).
- M01RR-00055-13 0115 (CLR) JACOBSON, LEON O. General clinical research center—Suppression of thyrotropin by L-dopa in hypothyroidism (human).
- M01RR-00055-13 0116 (CLR) JACOBSON, LEON O. General clinical research center—Thyroid carcinoma and radiation (human).
- M01RR-00055-13 0117 (CLR) JACOBSON, LEON O. General clinical research center—Subclinical vitamin A deficiency (human).
- M01RR-00055-13 0118 (CLR) JACOBSON, LEON O. General clinical research center—Physiology and biophysics of vision (human).
- M01RR-00056-13 (CLR) LEONARD, JAMES J. UNIVERSITY OF PITTSBURGH, SCHOOL OF MEDICINE, PITTSBURGH, PA. General Clinical Research Center.
- M01RR-00056-13 0083 (CLR) BOGGS, DANE R. General Clinical Research Center—Neutrophil kinetics (human).
- M01RR-00056-13 0009 (CLR) FIELD, JAMES B. General Clinical Research Center—Plasma insulin binding capacity in brittle diabetes (human).
- M01RR-00056-13 0010 (CLR) FIELD, JAMES B. General Clinical Research Center—Factors affecting urinary cyclic AMP excretion (human).
- M01RR-00056-13 0011 (CLR) FIELD, JAMES B. General Clinical Research Center—Effect of reestablishment of normoglycemia on pancreatic insulin reserve (human).
- M01RR-00056-13 0012 (CLR) FIELD, JAMES B. General Clinical Research Center—Pancreatic islet cell tumors (human).
- M01RR-00056-13 0013 (CLR) FIELD, JAMES B. General Clinical Research Center—In vivo and in vitro comparison of TSH responses (human).
- M01RR-00056-13 0015 (CLR) FIELD, JAMES B. General Clinical Research Center—Glycogen storage diseases (human).
- M01RR-00056-13 0018 (CLR) LARSEN, PHILIP R. General Clinical Research Center—Kinetics of thyroid hormone metabolism in man.
- M01RR-00056-13 0019 (CLR) LARSEN, PHILIP R. General Clinical Research Center—Effect of thyroid stimulation on triiodothyronine metabolism (human).
- M01RR-00056-13 0028 (CLR) SAMAHA, F. J. General Clinical Research Center—Normal and diseased human muscle.
- M01RR-00056-13 0030 (CLR) SHAPIRO, ALVIN. General Clinical Research Center—Blood pressure elevation in renal parenchymal disease and renal failure (human).
- M01RR-00056-13 0031 (CLR) SHAPIRO, ALVIN. General Clinical Research Center—Evaluation of hypotensive agents.
- M01RR-00056-13 0034 (CLR) BOGGS, DANE R. General Clinical Research Center—Comparative study of therapy of leg ulcer in sickle cell anemia (human).
- M01RR-00056-13 0085 (CLR) DANOWSKI, T. S. General Clinical Research Center—Metabolic changes during total fasting (human).
- M01RR-00056-13 0036 (CLR) FIELD, JAMES B. General Clinical Research Center—Studies in insulin resistance (human).
- M01RR-00056-13 0037 (CLR) POGEL, MICHAEL. General Clinical Research Center—Intestinal absorption following ileal bypass (human).
- M01RR-00056-13 0038 (CLR) FOLEY, THOMAS P. General Clinical Research Center—Synthetic thyrotropin releasing hormone (TRH) infusions (human).
- M01RR-00056-13 0040 (CLR) GIORGIO, ANTHONY J. General Clinical Research Center—Delta amino levulinic acid excretion (human).
- M01RR-00056-13 0041 (CLR) LARSEN, PHILIP R. General Clinical Research Center—Pre- and post-operative study of patients with pituitary tumor.
- M01RR-00056-13 0042 (CLR) MCDONALD, ROBERT H. General Clinical Research Center—Bioavailability studies involving digoxin in humans.
- M01RR-00056-13 0045 (CLR) NANKIN, HOWARD R. General Clinical Research Center—Pituitary gonadotropins and disorders of growth and sexual development (human).
- M01RR-00056-13 0046 (CLR) ROBINSON, ALAN G. General Clinical Research Center—Plasma neurophysin study during vasopressin-related events (human).
- M01RR-00056-13 0048 (CLR) RODMAN, GERALD P. General Clinical Research Center—Sclerosis (scleroderma) and other systemic disorders of connective tissue (human).
- M01RR-00056-13 0050 (CLR) SHAPIRO, ALVIN. General Clinical Research Center—U-10,585 (minoxidil) in clinical research unit (human).
- M01RR-00056-13 0052 (CLR) VAGNUCCI, ANTHONY M. General Clinical Research Center—Circadian cycle of cortisol metabolism in Cushing's syndrome and normal people.
- M01RR-00056-13 0053 (CLR) VAONUCCI, ANTHONY M. General Clinical Research Center—Effect of postures on cycles of renal and adrenal function (human).
- M01RR-00056-13 0054 (CLR) VAGNUCCI, ANTHONY M. General Clinical Research Center—Hypertension screening protocol (human).
- M01RR-00056-13 0055 (CLR) VAONUCCI, ANTHONY M. General Clinical Research Center—Selective hypoadosteroidism (human).
- M01RR-00056-13 0056 (CLR) ADIMI, S. A. General Clinical Research Center—Amino acid, sodium and water absorption in diarrhea (human).
- M01RR-00056-13 0057 (CLR) BOGGS, DANE R. General Clinical Research Center—Iron excretion in sickle cell anemia and prosthetic heart devices (human).
- M01RR-00056-13 0058 (CLR) DAVIS, BERNARD B. General Clinical Research Center—Neurophysin in human sodium balance.
- M01RR-00056-13 0059 (CLR) DAVIS, BERNARD B. General Clinical Research Center—Abnormalities of water excretion in Addison's (human).
- M01RR-00056-13 0060 (CLR) LEWIS, J. General Clinical Research Center—Platelet and fibrogen turnover in sickle cell disease (human).
- M01RR-00056-13 0061 (CLR) LEWIS, J. General Clinical Research Center—Buffy coat rich blood transfusion in hepatitis B (human).
- M01RR-00056-13 0062 (CLR) MEDSGER, T. R. General Clinical Research Center—Intermittent hydroarthrosis (human).
- M01RR-00056-13 0063 (CLR) MCDONALD, R. H. General Clinical Research Center—Isoproterenol in induced renin release (human).
- M01RR-00056-13 0064 (CLR) PAZIN, GEORGE. General Clinical Research Center—Test for atropine sensitivity (human).
- M01RR-00056-13 0065 (CLR) WALD, M. General Clinical Research Center—Diagnosis and therapy in internal radionuclide contamination (human).
- M01RR-00056-13 0056 (CLR) FIELD, JAMES B. General Clinical Research Center—Treatment of hyperthyroidism (human).
- M01RR-00056-13 0067 (CLR) FIELD, JAMES B. General Clinical Research Center—Subacute thyroiditis (human).
- M01RR-00056-13 0068 (CLR) LEONARD, JAMES J. General Clinical Research Center—Polycystic kidney disease (human).
- M01RR-00056-13 0069 (CLR) LEONARD, JAMES J. General Clinical Research Center—Serum uric acid levels in cirrhosis (human).
- M01RR-00056-13 0070 (CLR) LEONARD, JAMES J. General Clinical Research Center—Normal splitting of the second heart sound during quiet respiration (human).
- M01RR-00056-13 (CLR) MC CARTY, DANIEL J. MILWAUKEE COUNTY GENERAL HOSP. 8700 WEST WISCONSIN AVE. MILWAUKEE, WIS. General clinical research center.
- M01RR-00058-13 0001 (CLR) SOERGEL, KONRAD H. General clinical research center—Intestinal absorption in selected patients.
- M01RR-00058-13 0002 (CLR) PISCIOTTA, ANTHONY V. General clinical research center—Vitamin B-12 absorption studies with intrinsic factor (human).
- M01RR-00058-13 0010 (CLR) FINK, JORDAN N. General clinical research center—Hypersensitivity pneumonitis (human).
- M01RR-00058-13 0011 (CLR) PISCIOTTA, ANTHONY V. General clinical research center—Unusual hematology patients.
- M01RR-00058-13 0012 (CLR) KAUFFMAN, H. M. General clinical research center—Renal homotransplantation (human).
- M01RR-00058-13 0013 (CLR) BERNHARD, GERSON C. General clinical research center—Cyclophosphamide therapy in SLE nephritis (human).
- M01RR-00058-13 0018 (CLR) DODDS, WYLLIE J. General clinical research center—Negro family with Peutz-Jeghers syndrome.
- M01RR-00058-13 0023 (CLR) LEMANN, JACOB JR. General clinical research center—Steroid therapy of idiopathic nephrotic syndrome in adults (human).
- M01RR-00058-13 0024 (CLR) LEMANN, JACOB JR. General clinical research center—Sugar ingestion, CA excretion, crystaluria and kidney stones (human).
- M01RR-00056-13 0027 (CLR) MUELLER, KARL H. General clinical research center—Fluoride-calcium-vitamin D supplement in osteoporosis.
- M01RR-00058-13 0029 (CLR) KAUFFMAN, H. M. General clinical research center—Effect of bezafibrate on arteriosclerosis obliterans of lower extremities (human).
- M01RR-00058-13 0084 (CLR) DYKEN, PAUL R. General clinical research center—Clonazepam in treatment of absence epilepsy (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- MO1RR-00058-13 0036 (CLR) KAULKHOFF, RONALD K. General clinical research center-Relationship insulin antagonism to plasma glucagon disturbances (human).
- MO1RR-00058-13 0037 (CLR) LEAMANN, JACOB JR. General clinical research center-Water, electrolyte, acid-base metabolism in selected patients.
- MO1RR-00058-13 0038 (CLR) LEAMANN, JACOB JR. General clinical research center-Effect low calcium diet in hyperparathyroidism and urinary tract stones (human).
- MO1RR-00058-13 0040 (CLR) HOGAN, WALTER. General clinical research center-General anesthesia and esophageal motor function (human).
- MO1RR-00058-13 0044 (CLR) LEAMANN, JACOB, JR. General clinical research center-Vitamin D metabolism (human).
- MO1RR-00058-13 0047 (CLR) WILSON, STUART D. General clinical research center-Total gastrectomy (human).
- MO1RR-00058-13 0048 (CLR) KAUFFMAN, H M. General clinical research center-Cardiac homotransplants (human).
- MO1RR-00058-13 0049 (CLR) KOCHAR, MAHENDRA S. General clinical research center-Lerodopa induced hypotension in Parkinsonism patients (human).
- MO1RR-00058-13 0050 (CLR) RUDDERS, RICHARD A. General clinical research center-Lerodopa induced hypotension in Parkinsonism patients (human).
- MO1RR-00058-13 0051 (CLR) PISCIOTTA, ANTHONY V. General clinical research center-Polycythemia vera study group (human).
- MO1RR-00058-13 0052 (CLR) SCHMITT, MILTON G JR. General clinical research center-Alpha-1-antitrypsin deficiency-Juvenile cirrhosis (human).
- MO1RR-00058-13 0053 (CLR) VARMA, RAJIV R. General clinical research center-Effect of surgical porto-system shunts on renal function (human).
- MO1RR-00058-13 0054 (CLR) BRAVO-FERNANDEZ, ENRIQUE J. General clinical research center-Digital computer analysis of serial EEG in acute trauma and CV disorders (human).
- MO1RR-00058-13 0055 (CLR) LARSON, SANFORD J. General clinical research center-Effects of dentabotomy on spasticity (human).
- MO1RR-00058-13 0056 (CLR) KALKHOFF, RONALD K. General clinical research center-Metabolic disturbances in hyperparathyroidism (human).
- MO1RR-00059-13 (CLR) ECKSTEIN, JOHN W, UNIVERSITY OF IOWA, COLLEGE OF MED, IOWA CITY, IOWA. General clinical research center.
- MO1RR-00059-13 0009 (CLR) SHERMAN, BARRY M. General clinical research center-Hormonal characteristics in menstruation disorders (human).
- MO1RR-00059-13 0012 (CLR) SCHEDL, HAROLD P. General clinical research center-Calcium in small intestinal lumen in malabsorption (human).
- MO1RR-00059-13 0022 (CLR) CONNOR, WILLIAM E. General clinical research center-Cholesterol absorption in hypercholesterolemia II (human).
- MO1RR-00059-13 0023 (CLR) CONNOR, WILLIAM E. General clinical research center-Alcohol and plasma lipids (human).
- MO1RR-00059-13 0024 (CLR) CONNOR, WILLIAM E. General clinical research center-Effect of dietary carbohydrate on serum trygylceride (human).
- MO1RR-00059-13 0044 (CLR) MASON, EDWARD E. General clinical research center-Gastric bypass for extreme obesity (human).
- MO1RR-00059-13 0051 (CLR) BAKER, WILLIAM H. General clinical research center-Cholesterol turnover in antheromatous arteries (human).
- MO1RR-00059-13 0055 (CLR) WILSON, WILLIAM E. General clinical research center-Effects of propranolol, methyldopa and placebo in thyrototoxic patients.
- MO1RR-00059-13 0067 (CLR) CONNOR, WILLIAM E. General clinical research center-Excretion of animal and plant sterols from skin of man.
- MO1RR-00059-13 0069 (CLR) SCHNECK, D W. General clinical research center-Correlation of beta blockage with serum practolol (human).
- MO1RR-00059-13 0086 (CLR) CONNOR, WILLIAM E. General clinical research center-Beta-sitosterolemia and xanthomatosis (human).
- MO1RR-00059-13 0094 (CLR) CONNOR WILLIAM E. General clinical research center-Dietary fat, serum lipids in type V hyperlipemia, familial pancreatitis (human).
- MO1RR-00059-13 0095 (CLR) HEISTAD, DONALD. General clinical research center-Effect of catecholamines on ventilation in carotid body chemodectomas (human).
- MO1RR-00059-13 0098 (CLR) MASON, EDWARD E. General clinical research center-Cholic acid and heparin irrigation of retained common duct stones (human).
- MO1RR-00059-13 0099 (CLR) BRUNK, S FRED. General clinical research center-Effect of morphine-Effect of aspirin (human).
- MO1RR-00059-13 0100 (CLR) BARTER, PHILIP J. General clinical research center-Cholesterol esterification and triglyceride clearance (human).
- MO1RR-00059-13 0102 (CLR) SHERMAN, BARRY M. General clinical research center-Proovulatory phase of human menstrual cycle.
- MO1RR-00059-13 0103 (CLR) SHERMAN, BARRY M. General clinical research center-Follicular maturation in disordered menses (human).
- MO1RR-00059-13 0108 (CLR) CONNOR, WILLIAM E. General clinical research center-Para-aminosalicylic acid as a hypelipoproteinemic agent (human).
- MO1RR-00059-13 0113 (CLR) BARTER, P J. General clinical research center-Transport of esterified cholesterol in plasma lipoproteins (human).
- MO1RR-00059-13 0126 (CLR) HAMILTON, HENRY E. General clinical research center-Vitamin B12 deficiency (human).
- MO1RR-00059-13 0127 (CLR) SHERMAN, BARRY M. General clinical research center-Pathophysiology of human breast cancer epidemiology.
- MO1RR-00059-13 0128 (CLR) CONNOR, WILLIAM E. General clinical research center-Measurement of cholesterol absorption by collection of single stool (human).
- MO1RR-00059-13 0129 (CLR) CONNOR, WILLIAM E. General clinical research center-Absorption of seafood sterols, other than cholesterol, from diet (human).
- MO1RR-00059-13 0130 (CLR) CONNOR, WILLIAM E. General clinical research center-Interaction of beta-sitosterol and cholesterol in diet (human).
- MO1RR-00059-13 0131 (CLR) ZELLWEGER, HANS. General clinical research center-Identification of carriers of Duchenne muscular dystrophy (human).
- MO1RR-00059-13 0132 (CLR) ZELLWEGER, HANS. General clinical research center-Biochemical abnormalities of muscle ribosomes in hyperkalemic periodic paralysis.
- MO1RR-00059-13 0133 (CLR) ZELLWEGER, HANS. General clinical research center-Myotonic dystrophy and differential diagnosis (human).
- MO1RR-00059-13 0134 (CLR) ZELLWEGER, HANS. General clinical research center-Genetic variant of spinal muscular atrophy in infancy.
- MO1RR-00059-13 0135 (CLR) ZELLWEGER, HANS. General clinical research center-Early onset of myotonic dystrophy in infants (human).
- MO1RR-00059-13 0136 (CLR) CONNOR, WILLIAM E. General clinical research center-Isotopic equilibration between gallstone and plasma cholesterol (human).
- MO1RR-00059-13 0137 (CLR) CONNOR, WILLIAM E. General clinical research center-Dietary treatment of hyperlipidemias (human).
- MO1RR-00059-13 0138 (CLR) CONNOR, WILLIAM E. General clinical research center-Effect of dietary cholesterol on composition of human bile.
- MO1RR-00059-13 0139 (CLR) CONNOR, WILLIAM E. General clinical research center-Bile composition during pregnancy (human).
- MO1RR-00059-13 0140 (CLR) SHERMAN, BARRY M. General clinical research center-Measurement of LH, FSH, estradiol and progesterone in menstrual disorders (human).
- MO1RR-00059-13 0141 (CLR) HALAMI, KATHARINE. General clinical research center-Anorexia nervosa (human).
- MO1RR-00059-13 0142 (CLR) GREENWALD, ALAN J. General clinical research center-Gastric emptying in man.
- MO1RR-00059-13 0143 (CLR) GREENWALD, ALAN J. General clinical research center-Saline load test and isotopic method for gastric emptying time in man.
- MO1RR-00059-13 0144 (CLR) GHONEIM, MOHAMED J. General clinical research center-Hangover effects of flurazepam and phenobarbital (human).
- MO1RR-00059-13 0145 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Effect of dietary carbohydrates on serum lipids and fecal sterols (human).
- MO1RR-00059-13 0146 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Essential fatty acid deficiency in oral and IV fat free diets (human).
- MO1RR-00059-13 0147 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Synthesis of cysteine from methionine-Routes of alimentionation (human).
- MO1RR-00059-13 0148 (CLR) BARTER, PHILIP J. General clinical research center-Lipid transport in hypertriglyceridemia (human).
- MO1RR-00059-13 0149 (CLR) BAKER, WILLIAM H. General clinical research center-Infusion therapy for extensive arteriovenous malformations (human).
- MO1RR-00059-13 0150 (CLR) MACA, RICHARD. General clinical research center-Immunological evaluation of malignancies by skin testing (human).
- MO1RR-00059-13 0151 (CLR) GIRON, L T. General clinical research center-Effect of hypothyroidism on atropine induced tachycardia (human).
- MO1RR-00059-13 0152 (CLR) BLUE, PETER. General clinical research center-Cortisol metabolism in obesity and Cushing's syndrome (human).
- MO1RR-00059-13 0153 (CLR) FITZ, ANNETTE. General clinical research center-Effects of dietary sodium and potassium on blood pressure (human).
- MO1RR-00059-13 0154 (CLR) ALBRIGHT, JOHN P. General clinical research center-Analysis of osteoporosis therapy (human).
- MO1RR-00059-13 0155 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Effects of proctocolectomy on cholesterol and bile acids (human).
- MO1RR-00059-13 0156 (CLR) SHERMAN, BARRY M. General clinical research center-Use of AY-24031 as a pituitary diagnostic test (human).
- MO1RR-00059-13 0157 (CLR) FITZ, ANNETTE. General clinical research center-Alpha-methyl-para-tyrosine in pheochromocytoma (human).
- MO1RR-00059-13 0158 (CLR) WILSON, WILLIAM R. General clinical research center-Secobarbital-Warfarin interaction (human).
- MO1RR-00059-13 0159 (CLR) CONNOR, WILLIAM E. General clinical research center-Intensification of hypertriglyceridemia by alcohol or carbohydrate (human).
- MO1RR-00059-13 0160 (CLR) STEGINK, LEWIS. General clinical research center-Metabolic effect of infusion of amino acid solutions by peripheral vein (human).
- MO1RR-00059-13 0161 (CLR) SUMMERS, ROBERT. General clinical research center-Effect of azufidine on digoxin absorption (human).
- MO1RR-00059-13 0162 (CLR) FITZ, ANNETTE. General clinical research center-Renin, angiotensin and aldosterone in renal disease and hypertension (human).
- MO1RR-00059-13 0163 (CLR) CONNOR, WILLIAM E. General clinical research center-Cerebrotendinous xanthomatosis (human).
- MO1RR-00059-13 0164 (CLR) BRUNK, S FRED. General clinical research center-Effects of liothyronine induced hypermetabolism on dipyrone metabolism (human).
- MO1RR-00059-13 0165 (CLR) BRUNK, S FRED. General clinical research center-Effect of hypo- and hyperthyroidism on dipyrone metabolism (human).
- MO1RR-00059-13 0166 (CLR) WILSON, WILLIAM R. General clinical research center-Diuretic drugs in treatment of hypertension (human).
- MO1RR-00059-13 0167 (CLR) CONNOR, WILLIAM E. General clinical research center-Biosynthesis of cholesterol in Florida land crab.
- MO1RR-00059-13 0168 (CLR) CONNOR, WILLIAM E. General clinical research center-Hypertriglyceridemia from dietary sugar without atherosclerosis (prairie dogs).
- MO1RR-00059-13 0169 (CLR) CONNOR, WILLIAM E. General clinical research center-Hypercholesteremic pigeon-Treatment with cholestane 3beta, 5alpha, 6beta-triol.
- MO1RR-00059-13 0170 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Changes in bile composition and gallstone formation in prairie dogs.
- MO1RR-00059-13 0171 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Effect of atropine and vagotomy on gastric mucosa permeability (dogs).
- MO1RR-00059-13 0172 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Effect of bile salts on esophageal mucosa permeability (dogs).
- MO1RR-00059-13 0173 (CLR) DENBESTEN, LAWRENCE. General clinical research center-Role of cholestyramine in prevention of stress ulcers (dogs).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00059-13 0174 (CLR) KONGTAHWORN LAWRENCE. General clinical research center-Heparin-induced elevation of free fatty acid in diabetes (human).
- MO1RR-00060-13 (CLR) ROSE, JOHN C, GEORGETOWN UNIV SCHOOL OF MED, 3900 RESERVOIR ROAD N W, WASHINGTON, D C. General clinical research center.
- MO1RR-00050-13 0006 (CLR) MCCULLOUGH, DAVID. General clinical research center-Radioisotope cisternography in hydrocephalus (human).
- MO1RR-00060-13 0014 (CLR) CANARY, JOHN J. General clinical research center-Effects of hormones and mineral salts on body composition (human).
- MO1RR-00060-13 0024 (CLR) CANARY, JOHN J. General clinical research center-Evaluation of propranolol in hyperthyroid man.
- MO1RR-00060-13 0025 (CLR) CANARY, JOHN J. General clinical research center-Effects of thiazides on hypocalcemia and hypercalcemia (human).
- MO1RR-00060-13 0029 (CLR) FERMAGLICH, JOSEPH. General clinical research center-Dopaminergic system in L-dopa treated Parkinson's disease (human).
- MO1RR-00060-13 0030 (CLR) FERMAGLICH, JOSEPH. General clinical research center-Combined L-dopa and alpha methyl-dopa or alpha methyl-dopahydrazine (human).
- MO1RR-00060-13 0081 (CLR) BINDER, RICHARD. General clinical research center-Initial treatment for malignant lymphomas (human).
- MO1RR-00060-13 0034 (CLR) DIAMOND, LOUIS H. General clinical research center-Renal osteodystrophy in patients on hemodialysis.
- MO1RR-00060-13 0035 (CLR) CIRKSENA, WILLIA M. General clinical research center-Renin activity and sodium intake in hypertension (human).
- MO1RR-00060-13 0036 (CLR) RAPOPORT, JUDITH. General clinical research center-Imipramine and methylphenidate in hyperactive children.
- MO1RR-00060-13 0041 (CLR) FINNERTY, FRANK, A. General clinical research center-Medtronic barostat CNS for treatment of systemic hypertension (human).
- MO1RR-00060-13 0042 (CLR) FINNERTY, FRANK A. General clinical research center-Triamterone spironolactone in hypertension (human).
- MO1RR-00060-13 0043 (CLR) FINNERTY, FRANK, A. General clinical research center-Sodium intake and furosemide administration in hypertensive azotemia (human).
- MO1RR-00060-13 0045 (CLR) FINNERTY, FRANK A. General clinical research center-Evaluation of minoxidil in resistant hypertension (human).
- MO1RR-00060-13 0046 (CLR) FINNERTY, FRANK A. General clinical research center-Evaluation of CP-18, 534-01 (human).
- MO1RR-00060-13 0047 (CLR) FINNERTY, FRANK, A. General clinical research center-Intravenous antihypertensive agents combined with furosemide (human).
- MO1RR-00060-13 0049 (CLR) CANTOR, FREDERIC, K. General clinical research center-Pharmacologic studies of anticonvulsants (human).
- MO1RR-00060-13 0058 (CLR) OMMAYA, AYUB K. General clinical research center-Chemotherapy and immunology of malignant gliomas (human).
- MO1RR-00060-13 0051 (CLR) GALLAGHER, BRIAN B. General clinical research center-Dimethoxymethyl phenobarbital-A new anticonvulsant (human).
- MO1RR-00060-13 0052 (CLR) ARGY, WILLIAM P. General clinical research center-Tubular function in nephrotic syndrome (human).
- MO1RR-00060-13 0053 (CLR) PREUSS, HARRY G. General clinical research center-Effect of NH4Cl acidosis on Na and H2O water reabsorption by kidney (human).
- MO1RR-00060-13 0054 (CLR) DIAMOND, LOUIS H. General clinical research center-Imuran and aldomet therapy in hepatic pathology (human).
- MO1RR-00060-13 0055 (CLR) ARGY, WILLIAM P. General clinical research center-Renal tubular function in renal transplantation (human).
- MO1RR-00060-13 0056 (CLR) SLIWINSKI, ANTHONY. General clinical research center-Dermatomyositis with severe calcinosis universalis (human).
- MO1RR-00060-13 0057 (CLR) BINDER, RICHARD. General clinical research center-Combination therapy in acute leukemia (human).
- MO1RR-00060-13 0058 (CLR) BATTLE, WILLIAM E. General clinical research center-Ischemic S-T, T wave with forced hyperventilation (human).
- MO1RR-00060-13 0059 (CLR) ABASSI, VAL. General clinical research center-Radioimmunoassay of triiodothyronine (human).
- MO1RR-00060-13 0060 (CLR) BELLANTI, JOSEPH. General clinical research center-Physicochemical characteristics of antiviral antibodies (human).
- MO1RR-00060-13 0061 (CLR) CANARY, JOHN J. General clinical research center-Long term treatment with hypoglycemic agent Roche (R06-4563) (human).
- MO1RR-00060-13 0062 (CLR) CANARY, JOHN J. General clinical research center-Tenuate in treatment of obesity (human).
- MO1RR-00060-13 0063 (CLR) SABOL, JOHN J. General clinical research center-Tolbutamide tolerance test (human).
- MO1RR-00060-13 0064 (CLR) SLOTKOFF, LAWRENCE. General clinical research center-Effects of prostaglandin A1 in hypertensive crises (human).
- MO1RR-00060-13 0065 (CLR) COX, JAMES D. General clinical research center-Fast neutron therapy for tumors (human).
- MO1RR-00062-12 (CLR) RILEY, HARRIS D, JR, UNIV OF OKLAHOMA HLTH SCIS CTR, P O BOX 26901, OKLAHOMA CITY, OKLA. Clinical research center, children.
- MO1RR-00062-12 0001 (CLR) WENZL, JAMES E. Clinical research center, children-Pyelonephritis.
- MO1RR-00062-12 0002 (CLR) SEELY, J RODMAN. Clinical research center, children-Adrenal metabolism during perinatal period.
- MO1RR-00062-12 0004 (CLR) SMITH, J DARREL. Clinical research center, children-Enzymatic defects in thymidine synthesis.
- MO1RR-00052-12 0005 (CLR) RILEY, HARRIS D JR. Clinical research center, children-Pharmacologic studies.
- MO1RR-00062-12 0007 (CLR) SMITH, J DARREL. Clinical research center, children-Disorders of calcium and phosphorus metabolism.
- MO1RR-00062-12 0010 (CLR) THOMPSON, WEBB M JR. Clinical research center, children-Open surgical correction of structural heart disease.
- MO1RR-00062-12 0011 (CLR) SEELY, J RODMAN. Clinical research center, children-Chromosomal abnormalities.
- MO1RR-00062-12 0012 (CLR) SMITH, J DARREL. Clinical research center, children-Prader-Willi syndrome.
- MO1RR-00062-12 0015 (CLR) LESTER, BOYD K. Clinical research center, children-Sleep-dream patterns in phenylalaninemia.
- MO1RR-00062-12 0017 (CLR) FOLEY, J RAINER. Clinical research center, children-Cholestyramine and medium chain triglyceride fat in jaundice and biliary atresia.
- MO1RR-00062-12 0019 (CLR) SEELY, J RODMAN. Clinical research center, children-Hypophosphatemia and vitamin D resistant rickets.
- MO1RR-00062-12 0021 (CLR) FOLEY, J RAINER. Clinical research center, children-Human growth hormone in hypopituitary dwarfism and in small stature.
- MO1RR-00062-12 0024 (CLR) WRIGHT, LOGAN. Clinical research center, children-Use of conditioning in pediatric problems.
- MO1RR-00062-12 0025 (CLR) SMITH, J DARREL. Clinical research center, children-Relationship of sleep and growth hormone secretion.
- MO1RR-00062-12 0026 (CLR) SEELY, J RODMAN. Clinical research center, children-Idiopathic juvenile osteoporosis.
- MO1RR-00062-12 0028 (CLR) HUMPHREY, G BENNETT. Clinical research center, children-Bone marrow transplantation.
- MO1RR-00062-12 0029 (CLR) BOTTOMLEY, SYLVIA S. Clinical research center, children-Regulation of hemoglobin synthesis.
- MO1RR-00062-12 0030 (CLR) FROHLICH, EDWARD D. Clinical research center, children-Pressor mechanisms in hypertension.
- MO1RR-00062-12 0034 (CLR) HUMPHREY, G BENNETT. Clinical research center, children-Evaluation of chemotherapy in malignancies-Influence of leukemic serum.
- MO1RR-00062-12 0035 (CLR) FOLEY, J RAINER. Clinical research center, children-Sucrase-isomaltase deficiency.
- MO1RR-00062-12 0036 (CLR) FOLEY, J RAINER. Clinical research center, children-Bile acid metabolism in persistent liver disease.
- MO1RR-00062-12 0037 (CLR) FOLEY, J RAINER. Clinical research center, children-Influence of growth hormone on bile acid metabolism.
- MO1RR-00062-12 0038 (CLR) HUMPHREY, G BENNETT. Clinical research center, children-Hemolytic anemias-Management of acute episodes.
- MO1RR-00062-12 0039 (CLR) SEELY, J RODMAN. Clinical research center, children-Metabolism of adrenal corticosteroids during early life.
- MO1RR-00062-12 0040 (CLR) SHAW, MICHAEL T. Clinical research center, children-Cancer chemotherapy in adults.
- MO1RR-00062-12 0044 (CLR) HUMPHREY, G BENNETT. Clinical research center, children-Pneumotosis cystoides intestinalis in lymphoma and acute leukemia.
- MO1RR-00062-12 0045 (CLR) SMITH, E IDE. Clinical research center, children-GI motility and absorption abnormalities after GI surgery.
- MO1RR-00062-12 0046 (CLR) HUMPHREY, G BENNETT. Clinical research center, children-Effectiveness of anti-varicella transfer factor in non-immune child.
- MO1RR-00062-12 0047 (CLR) FOLEY, J RAINER. Clinical research center, children-Glycogen storage disease treated with diet enriched in medium chain triglyceride.
- MO1RR-00062-12 0040 (CLR) KLING, O RAY. Clinical research center, children-Diurnal variation of serum estrone, estradiol and testosterone in cycling female.
- MO1RR-00062-12 0049 (CLR) CZERWINSKI, ANTHONY. Clinical research center, children-Evaluation of cyproheptadine in glomerulonephritis.
- MO1RR-00052-12 0050 (CLR) LINDERMAN, RONERT D. Clinical research center, children-Immunosuppressive therapy in nephrotic syndrome.
- MO1RR-00062-12 0051 (CLR) HAMPTON, JAMES W. Clinical research center, children-Familial bleeding disorders.
- MO1RR-00062-12 0052 (CLR) HUMPHREY, G BENNETT. Clinical research center, children-Evaluation of dialyzable transfer factor in mucocutaneous candidiasis.
- MO1RR-00062-12 0053 (CLR) RILEY, HARRIS D, JR. Clinical research center, children-Raynauds disease-Vasospastic effect of cigarette smoke.
- MO1RR-00063-12 (CLR) GIROD, CARLOS E, UNIV OF PUERTO RICO SCH OF MED, P O BOX 4509, SAN JUAN, P R. General clinical research center.
- MO1RR-00063-12 0001 (CLR) CINTRON-RIVERA, A A. General clinical research center-Hereditary aspects of tropical sprue (human).
- MO1RR-00063-12 0010 (CLR) CONDE-DEL PINO, ENCARNITA. General clinical research center-Immunology of helminths.
- MO1RR-00063-12 0011 (CLR) AGUILO, FRANCISCO. General clinical research center-HGH in nutritional status of Sheehan's syndrome patients.
- MO1RR-00063-12 0012 (CLR) GARCIA-CASTRO, JOSE MIGUEL. General clinical research center-Genetic studies in Puerto Rico hypokapto-globinemia (human).
- MO1RR-00063-12 0013 (CLR) GARCIA-CASTRO, JOSE MIGUEL. General clinical research center-Degradation of sulfated mucopolysaccharides in mucopolysaccharidosis (human).
- MO1RR-00063-12 0015 (CLR) GARCIA-CASTRO, JOSE MIGUEL. General clinical research center-Chromosomal studies on various hereditary diseases (human).
- MO1RR-00063-12 0016 (CLR) KLIPSTEIN, F A. General clinical research center-Nutritional studies and intestinal structure and function (human).
- MO1RR-00063-12 0017 (CLR) CORCINO, JOSE J. General clinical research center-Etiology of tropical sprue (human).
- MO1RR-00063-12 0019 (CLR) CORCINO, JOSE J. General clinical research center-Folic acid absorption in tropical sprue (human).
- MO1RR-00063-12 0022 (CLR) AGUILO, FRANCISCO. General clinical research center-Carbohydrate metabolism in Sheehan's syndrome (human).
- MO1RR-00063-12 0023 (CLR) AGUILO, FRANCISCO. General clinical research center-Virilization during pregnancy (human).
- MO1RR-00063-12 0024 (CLR) AGUILO, FRANCISCO. General clinical research center-Clinical and hormonal studies in acromegaly and gigantism (human).
- MO1RR-00063-12 0025 (CLR) HADDOCK, LILLIAN. General clinical research center-Kinetics of vitamin D3 H3 in tropical sprue.
- MO1RR-00063-12 0026 (CLR) HADDOCK, LILLIAN. General clinical research center-Aldosterone reserve in Sheehan's syndrome (human).
- MO1RR-00063-12 0027 (CLR) HADDOCK, LILLIAN. General clinical research center-Parathyroid function in hyperparathyroidism and other endocrine diseases (human).
- MO1RR-00063-12 0028 (CLR) FEBLES-VIZCARRONDO, F. General clinical research center-Disaccharidases in tropical sprue (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

M01RR-00063-12 0034 (CLR) LUGO-DE-RIVERO, CARMEN. General clinical research center-Infantile diarrhea-Analysis of jejunal extoliated cells (human).

M01RR-00063-12 0035 (CLR) SANTIAGO, PEDRO J. General clinical research center-Tropical sprue in Puerto Rican children.

M01RR-00063-12 0036 (CLR) AGUILO, FRANCESCO. General clinical research center-HGH and nutrition in Sheehan's disease.

M01RR-00063-12 0037 (CLR) AGUILO, FRANCESCO. General clinical research center-Antidiuretic effect of HGH.

M01RR-00063-12 0038 (CLR) AGUILO, FRANCESCO. General clinical research center-Estrogen therapy and HGH.

M01RR-00063-12 0039 (CLR) AGUILO, FRANCESCO. General clinical research center-Juvenile hypopituitarism.

M01RR-00063-12 0040 (CLR) VELEZ, ENRIQUE. General clinical research center-Chemotherapy of leukemias, lymphomas and related tumors.

M01RR-00063-12 0041 (CLR) SANCHEZ-LONGO, LUIS P. General clinical research center-L-dopa and Parkinson's disease.

M01RR-00063-12 0042 (CLR) GONZALEZ-PARES, ESTHER. General clinical research center-Immunosuppressives for collagen diseases.

M01RR-00063-12 0056 (CLR) RAMIREZ, IRMA. General clinical research center-Sulfasuxidine therapy in tropical sprue (human).

M01RR-00063-12 0057 (CLR) RAMIREZ, IRMA. General clinical research center-Long term follow-up of tropical sprue treatment (human).

M01RR-00063-12 0058 (CLR) RAMIREZ, IRMA. General clinical research center-Tocopherol levels in normal and tropical pediatric patients.

M01RR-00063-12 0059 (CLR) CORCINO, JOSE J. General clinical research center-Subclinical malabsorption and tropical sprue (human).

M01RR-00063-12 0060 (CLR) CORCINO, JOSE J. General clinical research center-Epithelial cell kinetics in jejunal biopsies in tropical sprue.

M01RR-00063-12 0061 (CLR) CORCINO, JOSE J. General clinical research center-Segmented perfusion bodies in tropical sprue (human).

M01RR-00063-12 0062 (CLR) CORCINO, JOSE J. General clinical research center-Effect of antibiotics (oxytetracycline) in tropical sprue.

M01RR-00053-12 0063 (CLR) GARCIA-CASTRO, JOSE MINGUEL. General clinical research center-Pulmonary function of persons living in polluted vs non-polluted cities.

M01RR-00063-12 0054 (CLR) SANCHEZ-LONGO, LUIS P. General clinical research center-Metabolic and genetic effects of heroin addiction (human).

M01RR-00063-12 0065 (CLR) SANCHEZ-LONGO, LUIS P. General clinical research center-Evaluation of Tegretol in treatment of epilepsy (human).

M01RR-00063-12 0066 (CLR) LEZOTTE, LLOYD. General clinical research center-Psoriasis or neurodermatitis.

M01RR-00063-12 0067 (CLR) VELEZ, ENRIQUE. General clinical research center-Effectiveness of methotrexate folinic acid (human).

M01RR-00063-12 0058 (CLR) VELEZ, ENRIQUE. General clinical research center-L-asparaginase in acute leukemia (human).

M01RR-00063-12 0069 (CLR) VELEZ, ENRIQUE. General clinical research center-5-Azacytidine in advanced cancer (human).

M01RR-00063-12 0070 (CLR) VELEZ, ENRIQUE. General clinical research center-Chlorambucil in chronic lymphocytic leukemia and lymphosarcoma (human).

M01RR-00063-12 0071 (CLR) VELEZ, ENRIQUE. General clinical research center-BCNU, cytosan and prednisone in myeloma (human).

M01RR-00060-12 0072 (CLR) VELEZ, ENRIQUE. General clinical research center-BCNU, cytosan, vincristine in sarcoma and lymphoma (human).

M01RR-00063-12 0073 (CLR) VELEZ, ENRIQUE. General clinical research center-CCNU in lymphomas and solid tumors (human).

M01RR-00063-12 0074 (CLR) VELEZ, ENRIQUE. General clinical research center-Bleomycin in neoplasms (human).

M01RR-00063-12 0075 (CLR) VELEZ, ENRIQUE. General clinical research center-Antineoplastic agents in breast cancer (human).

M01RR-00063-12 0076 (CLR) VELEZ, ENRIQUE. General clinical research center-Therapy in Hodgkin's disease (human).

M01RR-00063-12 0077 (CLR) VELEZ, ENRIQUE. General clinical research center-Antineoplastic agents in leukemia (human).

M01RR-00063-12 0078 (CLR) VELEZ, ENRIQUE. General clinical research center-Antineoplastic agents in multiple myeloma (human).

M01RR-00063-12 0079 (CLR) VELEZ, ENRIQUE. General clinical research center-COAP in acute myelocytic leukemia (human).

M01RR-00063-12 0080 (CLR) VELEZ, ENRIQUE. General clinical research center-Chemotherapy and irradiation of Hodgkin's disease (human).

M01RR-00063-12 0081 (CLR) MALDONADO, NORMAN. General clinical research center-'Total' therapy in children, young adults with acute lymphatic leukemia (human).

M01RR-00063-12 0082 (CLR) VELEZ, ENRIQUE. General clinical research center-Platinum salts for solid tumors (human).

M01RR-00063-12 0083 (CLR) VELEZ, ENRIQUE. General clinical research center-CCNU prednisone in multiple myeloma resistant to other modes of therapy (human).

M01RR-00063-12 0034 (CLR) VELEZ, ENRIQUE. General clinical research center-Guanosine in the treatment of acute leukemia (human).

M01RR-00063-12 0085 (CLR) VELEZ, ENRIQUE. General clinical research center-Total therapy of chronic granulocytic leukemia (human).

M01RR-00063-12 0056 (CLR) VELEZ, ENRIQUE. General clinical research center-Twice weekly azacytidine infusion for metastatic solid tumors (human).

M01RR-00063-12 0067 (CLR) VELEZ, ENRIQUE. General clinical research center-Therapy of previously untreated acute lymphocytic leukemia (human, clinical).

M01RR-00063-12 0088 (CLR) VELEZ, ENRIQUE. General clinical research center-Methotrexate with folinic acid for epidermoid carcinoma of neck and head (human).

M01RR-00063-12 0089 (CLR) VELEZ, ENRIQUE. General clinical research center-Treatment of non-Hodgkin's lymphomas (human).

M01RR-00063-12 0090 (CLR) VELEZ, ENRIQUE. General clinical research center-5-Fluorouracil for inoperable malignancies of the GI tract (human).

M01RR-00063-12 0091 (CLR) VELEZ, ENRIQUE. General clinical research center-Thioguanine, cytosine arabinoside, daunomycin in lymphatic leukemia (human).

M01RR-00063-12 0093 (CLR) VELEZ, ENRIQUE. General clinical research center-Blood cell separator (human).

M01RR-00064-10 (CLR) TYLER, FRANK H, UNIV OF UTAH MEDICAL CENTER, SALT LAKE CITY, UTAH. General clinical research center.

M01RR-00064-10 0002 (CLR) LYNCH, R E. General clinical research center-Copper metabolism in human subjects.

M01RR-00064-10 0002 (CLR) MAXWELL, J. GARY. General clinical research center-Renal homotransplantation (human).

M01RR-00064-10 0005 (CLR) ATHENS, JOHN W. General clinical research center-Granulocyte kinetics (human).

M01RR-00064-10 0006 (CLR) WILLIAMS, DARRYL. General clinical research center-Disorders of hemoglobin synthesis (human).

M01RR-00054-10 0007 (CLR) TYLER, FRANK H. General clinical research center-Muscle disease-Creatine metabolism (human).

M01RR-00064-10 0008 (CLR) TYLER, FRANK H. General clinical research center-Diurnal variation in suppression of ACTH by glucocorticoids (human).

M01RR-00054-10 0009 (CLR) TYLER, FRANK H. General clinical research center-Determination of abnormalities in corticosteroids production (human).

M01RR-00054-10 0010 (CLR) TYLER, FRANK H. General clinical research center-Procedure for measuring abnormalities in ACTH release (human).

M01RR-00054-10 0011 (CLR) RALLISON, MARVIN L. General clinical research center-Causes of thyroid nodularity in children.

M01RR-00064-10 0012 (CLR) JUBIZ, WILLIAM. General clinical research center-Hypertension in primary hyperparathyroidism (human).

M01RR-00064-10 0013 (CLR) MADSEN, JACK A. General clinical research center-Disorders of mucopolysaccharido metabolism (human).

M01RR-00064-10 0014 (CLR) TYLER, FRANK H. General clinical research center-Metabolism of Cs137 and K40-Relationship to muscle disease (human).

M01RR-00054-10 0015 (CLR) BRAY, PATRICK F. General clinical research center-Chromatographic studies on hereditary aminoacidurias (human).

M01RR-00054-10 0016 (CLR) RALLISON, MARVIN L. General clinical research center-Effects of human growth hormone (human).

M01RR-00064-10 0017 (CLR) LAHEY, M EUGENE. General clinical research center-Leukemia and malignant diseases in children.

M01RR-00064-10 0019 (CLR) KOLFF, WILLEM J. General clinical research center-Evaluation of artificial kidneys (human).

M01RR-00064-10 0020 (CLR) RENZETTI, ATHLIO D. General clinical research center-Role of infection in emphysema (human).

M01RR-00064-10 0021 (CLR) CARTWRIGHT, GEORGE E. General clinical research center-Cytosine arabinoside in treatment of acute leukemia (human).

M01RR-00054-10 0023 (CLR) JARCHO, LEONARD W. General clinical research center-Levodopa-Parkinsons disease (human).

M01RR-00054-10 0025 (CLR) WEST, CHARLES D. General clinical research center-Role of steroids in hypertension (human).

M01RR-00064-10 0028 (CLR) TYLER, FRANK H. General clinical research center-Dilantin treatment of glycogen storage disease (human).

M01RR-00054-10 0029 (CLR) PRESTON, JAMES W. General clinical research center-Bile composition on taking oral contraceptive medication (human).

M01RR-00064-10 0031 (CLR) TYLER, FRANK H. General clinical research center-Creatine metabolism (human).

M01RR-00064-10 0032 (CLR) MAXWELL, GARY. General clinical research center-Liver transplantation (human).

M01RR-00064-10 0034 (CLR) QUAGLIANA, JOSEPH M. General clinical research center-Daunomycin-leukemia (human).

M01RR-00064-10 0085 (CLR) TOLMAN, KEITH G. General clinical research center-Drug-induced hepato-toxicity (human).

M01RR-00064-10 0036 (CLR) HERSHOGOLD, EDWARD J. General clinical research center-Factor VII concentrate for treatment of hemophilia (human).

M01RR-00064-10 0037 (CLR) BERENSON, MALCOLM M. General clinical research center-Menetriers disease-Etiology and pathogenesis (human).

M01RR-00064-10 0030 (CLR) WEST, CHARLES D. General clinical research center-Primary aldosterone screening test (human).

M01RR-00064-10 0039 (CLR) PETAJAN, JACK. General clinical research center-Evaluation of skeletal muscle in muscular dystrophy (human).

M01RR-00064-10 0040 (CLR) PRESTON, JAMES W. General clinical research center-Diffuse lymphomatous polyposis of GI tract (human).

M01RR-00054-10 0041 (CLR) RALLISON, MARVIN L. General clinical research center-Familial goitrous hypothyroidism (human).

M01RR-00064-10 0042 (CLR) RALLISON, MARVIN L. General clinical research center-Hypophosphatasia (human).

M01RR-00064-10 0044 (CLR) MAXWELL, GARY. General clinical research center-Distal renal tubular acidosis following renal homotransplantation (human).

M01RR-00054-10 0046 (CLR) WILSON, DANA. General clinical research center-Hyperlipidemia in monoclonal gammopathy (human).

M01RR-00064-10 0047 (CLR) RAMIREZ, GERMAN. General clinical research center-Thyroid function in chronic uremia and hemodialysis (human).

M01RR-00064-10 0049 (CLR) OVERALL, JAMES. General clinical research center-Plasmapheresis to obtain Variella-Zoster hyperimmune serum (human).

M01RR-00064-10 0053 (CLR) QUAGLIANA, JOSEPH M. General clinical research center-Treatment of solid tumor and lymphoma with 5-azacytidine (NSC-102816) (human).

M01RR-00064-10 0034 (CLR) WILSON, DANA. General clinical research center-Insulin, lipid and carbohydrate relationship in myotonic dystrophy (human).

M01RR-00064-10 0058 (CLR) CHEUNG, LARRY. General clinical research center-Chemical dissolution of common bile duct stones.

M01RR-00064-10 0059 (CLR) WILSON, DANA. General clinical research center-Lipoprotein removal in man.

M01RR-00064-10 0068 (CLR) MENKLE, A WAYNE. General clinical research center-Effect of drugs on metabolism of glucocorticoids, metyrapone and ACTH.

M01RR-00054-10 0061 (CLR) MADSEN, JACK A. General clinical research center-Effect of ketamine anesthesia on epilepsy (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00064-10 0066 (CLR) ZUNDEL, WAYNE S. General clinical research center-Hexahydrocoenzyme Q4-Investigation of toxicity (human).	MO1RR-00065-12 0050 (CLR) WASSERMAN, FRANKLIN. General clinical research center-Efficacy of bethandine in essential hypertension (human).
MO1RR-00064-10 0070 (CLR) RALLISON, MARVIN L. General clinical research center-Obesity in children and adolescents.	MO1RR-00063-12 0051 (CLR) RICHARDSON, DAVID W. General clinical research center-Alteration in baroreflex sensitivity in human hypertensives.
MO1RR-00064-10 0071 (CLR) KOLFF, WILLIAM J. General clinical research center-Single needle dialysis project (human).	MO1RR-00063-12 0052 (CLR) RANDALL, RUSSELL E. General clinical research center-Complication of light chain deposition during chronic hemodialysis (human).
MO1RR-00064-10 0072 (CLR) OVERALL, JAMES. General clinical research center-Treatment of herpes simplex encephalitis, infection in immunosuppression (human).	MO1RR-00063-12 0053 (CLR) RANDALL, RUSSELL E. General clinical research center-Pathogenesis of tubular syndromes in diseases of anti-nuclear antibodies (human).
MO1RR-00064-10 0073 (CLR) QUAGLIANA, JOSEPH M. General clinical research center-Ftorafur for advanced malignant disease (human).	MO1RR-00065-12 0054 (CLR) MULLINAX, FRANKLIN. General clinical research center-Digital artery lesions in rheumatoid arthritis (human).
MO1RR-00064-10 0074 (CLR) JUBIZ, WILLIAM. General clinical research center-Diltiazem in treatment of glycogen storage disease (human).	MO1RR-00063-12 0055 (CLR) MULLINAX, FRANKLIN. General clinical research center-Immunochemical studies of hematopoietic malignancies (human).
MO1RR-00064-10 0075 (CLR) ABRILDSKOV, J. A. General clinical research center-Electrocardiographic research (human).	MO1RR-00063-12 (CLR) KNOWLES, HARVEY C, JR, CINCINNATI GENERAL HOSPITAL, 234 GOODMAN STREET, CINCINNATI, OHIO. General clinical research center.
MO1RR-00064-10 0076 (CLR) WINTROBE, MAXWELL. General clinical research center-Anemia in Di Guglielmo's syndrome.	MO1RR-00060-12 0007 (CLR) GLUECK, CHARLES J. General clinical research center-Effect of androstenedione and progesterone analogs on plasma triglyceride (human).
MO1RR-00064-10 0077 (CLR) STANCHFIELD, JOHN. General clinical research center-Hypothyroid galactorrhea (human).	MO1RR-00056-12 0010 (CLR) GLUECK, CHARLES J. General clinical research center-Familial hypertriglyceridemia (children).
MO1RR-00064-10 0078 (CLR) VINCENT, G MICHAEL. General clinical research center-Effects of exercise autonomic manipulation and drugs (human).	MO1RR-00068-12 0012 (CLR) GLUECK, CHARLES J. General clinical research center-Genetics of familial hyperlipoproteinemia (human).
MO1RR-00064-10 0079 (CLR) WARD, JOHN. General clinical research center-Naproxen in osteoarthritis and meclofenamic acid in rheumatoid (human).	MO1RR-00063-12 0013 (CLR) GLUECK, CHARLES J. General clinical research center-Effects of gestational oral contraceptives on plasma lipids (human).
MO1RR-00064-10 0080 (CLR) CLARKE, DANA. General clinical research center-National collaborative diabetic retinopathy study (human).	MO1RR-00060-12 0018 (CLR) KNOWLES, HARVEY C JR. General clinical research center-Juvenile diabetes treated with unmeasured diet.
MO1RR-00064-10 0081 (CLR) ATKIN, CURTIS. General clinical research center-Alport's syndrome (human).	MO1RR-00068-12 0021 (CLR) BROOKS, STUART M. General clinical research center-Effects of phenobarbital on adrenal steroid metabolism in asthmatics (human).
MO1RR-00065-12 (CLR) PEARSE, WARREN H, VIRGINIA COMMONWEALTH UNIV, BOX 155, RICHMOND, VA. General clinical research center.	MO1RR-00065-12 0023 (CLR) HESS, EVELYN V. General clinical research center-Autoimmunity associated with hydralazine in hypertension (human).
MO1RR-00065-12 0004 (CLR) TUNG, MALLIE. General clinical research center-Renal tubular disorders and/or electrolyte imbalance (human).	MO1RR-00068-12 0027 (CLR) BLACKWELL, BARRY. General clinical research center-New antipsychotic drug (metiapine) in volunteers.
MO1RR-00065-12 0005 (CLR) ESTEP, HERSHEL L. General clinical research center-Alteration in parathyroid function (human).	MO1RR-00063-12 0029 (CLR) MCLAURIN, ROBERT L. General clinical research center-Systemic physiological response to head injury (human).
MO1RR-00065-12 0009 (CLR) HOOSHMAAND, HOOSHANG. General clinical research center-Intractable seizures (human).	MO1RR-00063-12 0030 (CLR) ALEXANDER, J WESLEY. General clinical research center-Renal transplantation and chronic dialysis.
MO1RR-00065-12 0011 (CLR) KEMP, ERIC. General clinical research center-Evaluation of cardiac surgery (human).	MO1RR-00068-12 0037 (CLR) LIPICKY, RAYMOND J. General clinical research center-Myotonia (human).
MO1RR-00065-12 0013 (CLR) LOWER, RICHARD R. General clinical research center-Cardiac transplantation (human).	MO1RR-00068-12 0043 (CLR) HESS, EVELYN V. General clinical research center-Insulin allergy in juvenile diabetes.
MO1RR-00065-12 0015 (CLR) KANDALL, RUSSELL E. General clinical research center-Relationship of abnormal serum proteins to renal structure and function (human).	MO1RR-00068-12 0045 (CLR) DENTON, M. DRUE. General clinical research center-Excretion of polyamines during neoplastic therapy (human).
MO1RR-00065-12 0018 (CLR) RICHARDSON, DAVID W. General clinical research center-Circulatory and hormonal abnormalities in orthostatic hypotension (human).	MO1RR-00068-12 0046 (CLR) HESS, EVELYN V. General clinical research center-Diphosphonate for calcinosis with connective tissue diseases (human).
MO1RR-00065-12 0019 (CLR) RICHARDSON, DAVID W. General clinical research center-Tolerance to hypotensive effect of CP-12299-1 in man.	MO1RR-00068-12 0047 (CLR) GLUECK, CHARLES J. General clinical research center-Effect of estrogens on alpha and beta lipoprotein levels (human).
MO1RR-00065-12 0023 (CLR) TERZ, JOSE J. General clinical research center-Cell proliferating pool of solid tumors by infusion tritiated thymidine (human).	MO1RR-00063-12 0048 (CLR) CONNELL, A M. General clinical research center-Crohn's disease (human).
MO1RR-00065-12 0026 (CLR) UTZ, JOHN P. General clinical research center-Systemic mycoses (human).	MO1RR-00068-12 0049 (CLR) SHOLITON, I J. General clinical research center-Kinetics of testosterone in treatment with progestins and estrogens (human).
MO1RR-00065-12 0027 (CLR) YOUNG, REUBEN B. General clinical research center-Catecholamine responsiveness to growth hormone deficiency, hypothyroidism (human).	MO1RR-00068-12 0050 (CLR) POAD, B S I. General clinical research center-Keratoconjunctivitis sicca and necrotizing interstitial pneumonia (human).
MO1RR-00065-12 0029 (CLR) COSTA, GIOVANNI G. General clinical research center-Management of acute liver failure (human, baboons).	MO1RR-00063-12 0051 (CLR) HESS, EVELYN V. General clinical research center-Musculoskeletal disorders in type IV hyperlipidemia (human).
MO1RR-00065-12 0030 (CLR) COSTA, GIOVANNI G. General clinical research center-Lipid metabolism of cancer patients.	MO1RR-00063-12 0052 (CLR) ROMMILT, D W. General clinical research center-Antiarrhythmic cardiac drug (human).
MO1RR-00065-12 0032 (CLR) COSTA, GIOVANNI G. General clinical research center-Production of elemental nitrogen (human, mice).	MO1RR-00063-12 0053 (CLR) BOZIAN, D W. General clinical research center-Nutrition in patient with bowel scleroderma.
MO1RR-00065-12 0033 (CLR) ESTEP, HERSHEL L. General clinical research center-Physiopathology and treatment of renal stores (human).	MO1RR-00063-12 0054 (CLR) KNOWLES, HARVEY. General clinical research center-Hypothalamic-pituitary function in juvenile diabetic amenorrhea.
MO1RR-00065-12 0035 (CLR) VLACHEVIC, Z. General clinical research center-Pathogenesis of cholesterol gallstones (human).	MO1RR-00069-12 (CLR) O'BRIEN, DONOUGH, UNIV OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO. General clinical research center, children.
MO1RR-00065-12 0037 (CLR) COSTA, GIOVANNI G. General clinical research center-Effects of ileal bypass on intestinal function (human).	MO1RR-00069-12 0001 (CLR) STARZEL, THOMAS E. General clinical research center, children-Kidney transplantation.
MO1RR-00065-12 0038 (CLR) NEWSOME, HEBBER. General clinical research center-Relationship of renin-angiotensin system, ACTH on adrenal steroid output (human).	MO1RR-00069-12 0002 (CLR) OTT, JOHN E. General clinical research center, children-Osteogenesis imperfecta.
MO1RR-00065-12 0039 (CLR) PROCTOR, JACK. General clinical research center-Effect of SU-21524 in rheumatoid arthritis (human).	MO1RR-00069-12 0011 (CLR) AUSTIN, JAMES H. General clinical research center, children-Metachromatic leukodystrophy.
MO1RR-00065-12 0040 (CLR) COSTA, GIOVANNI G. General clinical research center-Relation between glucose infusion and blood sugar concentration (human).	MO1RR-00069-12 0014 (CLR) DUBOIS, REUBEN S. General clinical research center, children-Investigation of Wilson's disease.
MO1RR-00065-12 0041 (CLR) MAMUNES, PETER. General clinical research center-Hyperkalemia (human).	MO1RR-00069-12 0020 (CLR) GOODMAN, STEPHEN I. General clinical research center, children-Enzyme variants in methylmalonic aciduria.
MO1RR-00065-12 0042 (CLR) ESTEP, HERSHEL L. General clinical research center-Hypercalcemia and cyclic AMP excretion in hyperthyroidism (human).	MO1RR-00069-12 0021 (CLR) COTTON, ERNEST K. General clinical research center, children-Use of L-arginine in cystic fibrosis.
MO1RR-00065-12 0043 (CLR) ESTEP, HERSHEL L. General clinical research center-Treatment of tertiary hyperparathyroidism with calcium infusion (human).	MO1RR-00069-12 0023 (CLR) GOTLIN, RONALD W. General clinical research center, children-Nychthemeral variation growth hormone, insulin, glucose, cortisol, FFA in plasma.
MO1RR-00065-12 0044 (CLR) ESTEP, HERSHEL L. General clinical research center-Parathyroid hormone unresponsiveness and 3'5' cAMP excretion (human).	MO1RR-00069-12 0024 (CLR) GOTLIN, RONALD W. General clinical research center, children-Pseudohypoparathyroidism.
MO1RR-00065-12 0045 (CLR) ESTEP, HERSHEL L. General clinical research center-Persistence of calcemic and phosphaturic effects of PTH (human).	MO1RR-00069-12 0025 (CLR) ROBINSON, ARTHUR. General clinical research center, children-Follow-up on neonates with X-chromosomal abnormalities.
MO1RR-00065-12 0046 (CLR) ESTEP, HERSHEL L. General clinical research center-Hypocalcemia due to reversible PTH resistance (human).	MO1RR-00069-12 0034 (CLR) NIELHAUS, GERHARD. General clinical research center, children-L-dopa in movement disorders.
MO1RR-00065-12 0047 (CLR) COSTA, GIOVANNI G. General clinical research center-Conversion of 14C tripalmitate to 14CO2 by cancer patients.	MO1RR-00069-12 0038 (CLR) HATHAWAY, WILLIAM E. General clinical research center, children-Long term transfusion therapy of hemolytic anemia.
MO1RR-00065-12 0048 (CLR) MULLINAX, FRANKLIN. General clinical research center-Turnover of immunoglobulin light chains in diabetes (human).	MO1RR-00069-12 0042 (CLR) KRANKENBURG, WILLIAM K. General clinical research center, children-Phenylketonuria collaborative study.
MO1RR-00065-12 0049 (CLR) BECKER, FRANKLIN. General clinical research center-Pituitary function after vision trans-sphenoidal hypophyseal surgery (human).	

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00069-12 0044 (CLR) STARZL, THOMAS E. General clinical research center, children-Portal caval shunting in glycogen storage disease.

MO1RR-00069-12 0045 (CLR) STEWART, JANET M. General clinical research center, children-Treatment of congenital rabella with interferon inducing agent.

MO1RR-00069-12 0046 (CLR) MACE, JOHN W. General clinical research center, children-Therapeutic effect of magnesium in Bartter's syndrome.

MO1RR-00069-12 0047 (CLR) NORA, JAMES J. General clinical research center, children-Eisenmenger's syndrome.

MO1RR-00069-12 0050 (CLR) HAMBIDGE, K MICHAEL General clinical research center, children-Zinc deficiency in the growing child.

MO1RR-00069-12 0052 (CLR) MAY, CHARLES D. General clinical research center, children-Desensitization therapy in allergic disorders.

MO1RR-00069-12 0054 (CLR) KIRSCH, WOLFF M. General clinical research center, children-Use of 5-fluorouracil entry into malignant brain tumors.

MO1RR-00069-12 0058 (CLR) NELLHAUS, GERHARD. General clinical research center, children-Biochemical CNS degenerative diseases.

MO1RR-00069-12 0059 (CLR) GOODMAN, STEPHAN 2. General clinical research center, children-Dietary management of inborn errors of metabolism.

MO1RR-00069-12 0060 (CLR) BROOKE, MICHAEL H. General clinical research center, children-Congenital fiber-type dysproportion-Neuromuscular abnormalities.

MO1RR-00069-12 0061 (CLR) KOHLER, PETER F. General clinical research center, children-Effect of immune lymphocytes, transfer factor on hepatitis antigen carrier state.

MO1RR-00069-12 0063 (CLR) CHASE, H PETER. General clinical research center, children-Tolerance tests in hyperlipidemic diseases.

MO1RR-00069-12 0054 (CLR) AUGUST, CHARLES S. General clinical research center, children-Bone marrow transplantation in non-malignant bone marrow disorders.

MO1RR-00069-12 0065 (CLR) CHASE, H PETER. General clinical research center, children-Treatment of vitamin D resistant rickets.

MO1RR-00069-12 0066 (CLR) GOTLIN, RONALD W. General clinical research center, children-Abnormal glucose tolerance in obesity and latent diabetes.

MO1RR-00069-12 0069 (CLR) HAMBIDGE, K MICHAEL. General clinical research center, children-Effect of chromium on chemotaxis of polymorphonuclear leukocytes in diabetes.

MO1RR-00069-12 0071 (CLR) GOTLIN, RONALD W. General clinical research center, children-Detection of hypercholesterolemia in neonates.

MO1RR-00069-12 0074 (CLR) REITE, MARTIN. General clinical research center, children-Psychobiological evaluation of osteogenesis imperfecta.

MO1RR-00069-12 0075 (CLR) HAMBIDGE, K MICHAEL. General clinical research center, children-Effect of flagyl on Zn and Cu metabolism.

MO1RR-00069-12 0076 (CLR) LANSFORD, ANNETTE. General clinical research center, children-High risk infant stimulation project.

MO1RR-00069-12 0078 (CLR) GOODMAN, STEPHEN I. General clinical research center, children-Detection of carriers of ornithine transcarbamylase deficiency.

MO1RR-00069-12 0030 (CLR) STARZL, THOMAS E. General clinical research center, children-Homotransplantation of the liver.

MO1RR-00069-12 0031 (CLR) STARZL, THOMAS E. General clinical research center, children-Antilymphocyte globulin (cattle, horses).

MO1RR-00069-12 0082 (CLR) STARZL, THOMAS E. General clinical research center, children-Organ transplantation-cyclophosphamide.

MO1RR-00069-12 0083 (CLR) STARZL, THOMAS E. General clinical research center, children-Organ transplantation-immunologic reactivity of recipients.

MO1RR-00069-12 0064 (CLR) STARZL, THOMAS E. General clinical research center, children-The parathyroid gland transplantation.

MO1RR-00069-12 0085 (CLR) STARZL, THOMAS E. General clinical research center, children-Organ transplantation-hyperacute rejection (dogs, swine).

MO1RR-00069-12 0009 (CLR) OBRIEN, DONOUGH. General clinical research center, children-Insulin metabolism in untreated juvenile diabetics.

MO1RR-00069-12 0090 (CLR) NELLHAUS, GERHARD. General clinical research center, children-Studies of ketogenic diet.

MO1RR-00069-12 0091 (CLR) BULOS, NAJWA K. General clinical research center, children-Study of a possible storage disease.

MO1RR-00069-12 0092 (CLR) BULOS, NAJWA K. General clinical research center, children-Cysticercosis in a 12 year old girl.

MO1RR-00069-12 0093 (CLR) GOTLIN, RONALD W. General clinical research center, children-Assessing growth hormone, free-fatty acid feedback loop.

MO1RR-00069-12 0094 (CLR) GARDENER, GAIL. General clinical research center, children-Conditioning therapy in acoustimotor epilepsy.

MO1RR-00069-12 0095 (CLR) RUMACK, BARRY H. General clinical research center, children-Treatment of heavy metal poisoning.

MO1RR-00069-12 0096 (CLR) RUMACK, BARRY H. General clinical research center, children-Treatment of pesticide poisoning.

MO1RR-00069-12 0097 (CLR) GOTLIN, RONALD W. General clinical research center, children-immunologic derangement in patient with hyperthyroidism, anemia and nephritis.

MO1RR-00069-12 0098 (CLR) HAMBIDGE, K MICHAEL. General clinical research center, children-Mankes kinky hair syndrome.

MO1RR-00069-12 0099 (CLR) GITHENS, JOHN H. General clinical research center, children-Familial myeloproliferative disorder.

MO1RR-00069-12 0100 (CLR) GOODMAN, STEPHEN I. General clinical research center, children-Glutaric acidemia.

MO1RR-00069-12 0101 (CLR) GITHENS, JOHN H. General clinical research center, children-Treatment of systemic lupus erythematosus.

MO1RR-00069-12 0102 (CLR) LUBS, HERBERT A. General clinical research center, children-Gene localization of spherocytosis.

MO1RR-00069-12 0103 (CLR) CHASE, H PETER. General clinical research center, children-Diagnosis and therapy in hyperlipidemia.

MO1RR-00069-12 0104 (CLR) DUBOIS, REUBEN S. General clinical research center, children-Long-term follow-up of chronic active hepatitis.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00069-12 0105 (CLR) DUBOIS, REUBEN S. General clinical research center, children-Long-term follow-up of chronic inflammatory bowel disease.

MO1RR-00069-12 0106 (CLR) HUMBERT, JAMES R. General clinical research center, children-Relationship between SLE and carrier state for chronic granulomatous disease.

MO1RR-00069-12 0107 (CLR) DUBOIS, REUBEN S. General clinical research center, children-Cholestatic syndromes in newborns and infants.

MO1RR-00069-12 0108 (CLR) GREENSHER, ARNOLD. General clinical research center, children-Investigation of family with Stickler's syndrome.

MO1RR-00070-12 (CLR) RICH, CLAYTON, STANFORD UNIV MEDICAL CTR, STANFORD, CALIF. General clinical research center.

MO1RR-00070-12 0001 (CLR) SCHRIER, STANLEY L. General clinical research center-Ineffective erythropoiesis (human).

MO1RR-00070-12 0008 (CLR) THARP, BARRY R. General clinical research center-Pathophysiology of epilepsy (human).

MO1RR-00070-12 0012 (CLR) LUETSCHER, JOHN A. General clinical research center-Secretion of aldosterone in hypertension (human, rabbits).

MO1RR-00070-12 0016 (CLR) SUNSHINE, PHILIP. General clinical research center-Enzymatic defects in the urea cycle (human).

MO1RR-00070-12 0017 (CLR) REAVEN, GERALD M. General clinical research center-Insulin and cellular causes of hyperglycemia (human, dogs).

MO1RR-00070-12 0019 (CLR) DONG, EUGENE JR. General clinical research center-Homotransplantation of the heart (human, dogs).

MO1RR-00070-12 0022 (CLR) KRIS, JOSEPH P. General clinical research center-Radiotherapy for ophthalmopathy of Graves disease (human).

MO1RR-00070-12 0024 (CLR) HOFFMAN, WILLIAM W. General clinical research center-Effects of L-dopa in Parkinson's disease (human).

MO1RR-00070-12 0025 (CLR) LUETSCHER, JOHN A. General clinical research center-Effect of estrogens and progestogens in hypertension (human).

MO1RR-00070-12 0026 (CLR) GRAY, GARY M. General clinical research center-Manipulation of GI environment in small bowel lymphoma (human).

MO1RR-00070-12 0033 (CLR) HOLMAN, HALSTEAD R. General clinical research center-Treatment of nephritis of systemic lupus erythematosus (human).

MO1RR-00070-12 0087 (CLR) DEMENT, WILLIAM C. General clinical research center-5-hydroxytryptophan in insomnia induced by myoclonic movements (human).

MO1RR-00070-12 0039 (CLR) SCHRIER, STANLEY L. General clinical research center-Therapy in acute myelogenous leukemia (human).

MO1RR-00070-12 0041 (CLR) MERIGAN, THOMAS C. General clinical research center-Zytosar for disseminated herpes zoster.

MO1RR-00070-12 0047 (CLR) MAFFLY, ROY H. General clinical research center-Cyclophosphamide treatment of nephrotic syndrome (human).

MO1RR-00070-12 0048 (CLR) PRINCE, DAVID A. General clinical research center-Cerebral biopsy program (human).

MO1RR-00070-12 0050 (CLR) SCHRIER, STANLEY L. General clinical research center-In vitro studies of preleukemic and leukopenic disorders (human).

MO1RR-00070-12 0052 (CLR) ALDERMAN, EDWIN L. General clinical research center-Aorto-coronary saphenous autografts-Coronary by-pass surgery (human).

MO1RR-00070-12 0053 (CLR) BRODIE, H KEITH. General clinical research center-Use of 5-HTP in normal controls (human, rats).

MO1RR-00070-12 0055 (CLR) ZARCONI, VINCENT. General clinical research center-Use of 5-hydroxytryptophan in narcolepsy (human, cats).

MO1RR-00070-12 0057 (CLR) BRODIE, H KEITH. General clinical research center-L-dopa metabolism with use of decarboxylase inhibitor (human).

MO1RR-00070-12 0058 (CLR) HANBERY, JOHN W. General clinical research center-CNU in malignant brain tumors (human).

MO1RR-00070-12 0067 (CLR) LUCAS, ZOLTAN J. General clinical research center-Australian-antigen associated hepatitis in immunosuppressed patients.

MO1RR-00070-12 0070 (CLR) DEMENT, WILLIAM C. General clinical research center-Polygraph monitoring of sleep attacks in incipient narcolepsy (human).

MO1RR-00070-12 0071 (CLR) GREGORY, PETER B. General clinical research center-Phenobarbital therapy in primary biliary cirrhosis (human).

MO1RR-00070-12 0072 (CLR) GREGORY, PETER B. General clinical research center-Steroid therapy in severe viral hepatitis (human).

MO1RR-00070-12 0074 (CLR) KALMAN, SUMNER M. General clinical research center-Correlation plasma digoxin with rest and exercise heart rate (human).

MO1RR-00070-12 0075 (CLR) FRIES, JAMES F. General clinical research center-Metabolism of complement in lupus nephritis (human).

MO1RR-00070-12 0077 (CLR) SWENSON, ROBERT S. General clinical research center-Relationship of glucose, insulin and growth hormone in renal failure (human).

MO1RR-00070-12 0078 (CLR) KAPLAN, ERNEST. General clinical research center-Homologous transplantation in vitro cultured human skin.

MO1RR-00070-12 0079 (CLR) BRODIE, H KEITH. General clinical research center-Tryptophan metabolism in normal human.

MO1RR-00070-12 0080 (CLR) LUETSCHER, JOHN A. General clinical research center-Effects of gravitational stress on fluid balance and blood circulation (human).

MO1RR-00070-12 0082 (CLR) BRODIE, H KEITH. General clinical research center-Levels of testosterone and luteinizing hormone in plasma of normal males.

MO1RR-00070-12 0083 (CLR) CHRISTIANSEN, ROBERT B. General clinical research center-Diseases of ectopic calcification (children).

MO1RR-00070-12 0084 (CLR) FRIES, JAMES F. General clinical research center-Treatment of nephritis of systemic lupus erythematosus (human).

MO1RR-00070-12 0085 (CLR) GREGORY, PETER B. General clinical research center-Steroid therapy in asymptomatic active hepatitis (human).

MO1RR-00070-12 0086 (CLR) HARRISON, DONALD C. General clinical research center-Aortic replacement of mitral valve (human).

MO1RR-00070-12 0087 (CLR) HARRISON, DONALD C. General clinical research center-Lidocaine metabolism in renal failure (human).

MO1RR-00070-12 0088 (CLR) MERIGAN, THOMAS C. General clinical research center-Interferon therapy in herpes Zoster in immunosuppressed patients.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00070-12 0089 (CLR) MERIGAN, THOMAS C. General clinical research center-Treatment of immunosuppressed patients with varicella-Zoster with transfer factor.
- MO1RR-00070-12 0090 (CLR) OBERHELMAN, HARRY A. General clinical research center-Extracorporeal circulation of intestinal contents in Crohn's disease (human).
- MO1RR-00070-12 0091 (CLR) REAVEN, GERALD M. General clinical research center-Effect of phenformin in heart transplant patients receiving prednisone.
- MO1RR-00070-12 0092 (CLR) SCHROEDER, JOHN S. General clinical research center-Long term follow-up of ostium primum defect repair (human).
- MO1RR-00070-12 0093 (CLR) STINSON, EDWARD B. General clinical research center-Surgical treatment of hypertrophic subaortic stenosis (human).
- MO1RR-00070-12 0094 (CLR) STINSON, EDWARD B. General clinical research center-Transvenous endomyocardial biopsy (human).
- MO1RR-00070-12 0095 (CLR) TAYLOR, KEITH B. General clinical research center-Vitamin B12 absorption in severe neurological deficit (human).
- MO1RR-00070-12 0096 (CLR) TAYLOR, KEITH B. General clinical research center-Chronic gastritis and gastric atrophy (human).
- MO1RR-00070-12 0097 (CLR) ZARCONI, VINCENT. General clinical research center-Experimental alcohol ingestion (human).
- MO1RR-00070-12 0098 (CLR) REAVEN, GERALD M. General clinical research center-Effect of alcohol ingestion on plasma lipids in non-alcoholic subjects.
- MO1RR-00070-12 0099 (CLR) REAVEN, GERALD M. General clinical research center-Sex differences in kinetics of triglyceride metabolism (human).
- MO1RR-00070-12 0100 (CLR) REAVEN, GERALD M. General clinical research center-Relationship between insulin resistance and fasting insulin levels (human).
- MO1RR-00070-12 0101 (CLR) REAVEN, GERALD M. General clinical research center-Evaluation of glucose tolerance testing (human).
- MO1RR-00070-12 0102 (CLR) LUETSCHER, JOHN A. General clinical research center-Metabolism of aldosterone and excretion of metabolites (human).
- MO1RR-00071-11 0001 (CLR) CHALMERS, THOMAS C, MOUNT SINAI SCHOOL OF MEDICINE, ONE EAST 100TH STREET, NEW YORK, N. Y. General clinical research center.
- MO1RR-00071-11 0001 (CLR) GABRILOVE, J LESTER. General clinical research center-Studies on testicular function (human).
- MO1RR-00071-11 0004 (CLR) GUTMAN, ALEXANDER B. General clinical research center-Purine metabolism and gouty arthritis (human).
- MO1RR-00071-11 0010 (CLR) KRIEGER, DOROTHY T. General clinical research center-Central nervous system-Pituitary-adrenal interrelations (human).
- MO1RR-00071-11 0024 (CLR) ANDERSON, PAUL J. General clinical research center-Pathological anatomy and physiology of neuromuscular junction (human).
- MO1RR-00071-11 0025 (CLR) ROSENBLATT, SEYMOUR. General clinical research center-Biochemistry of catecholamines in emotional disorders (human).
- MO1RR-00071-11 0031 (CLR) GAULL, GERALD E. General clinical research center-Inborn errors of amino acid metabolism in mental deficiency (human).
- MO1RR-00071-11 0032 (CLR) GERSON, CHARLES D. General clinical research center-Intestinal absorption of folic and ascorbic acids in sprue and ileitis (human).
- MO1RR-00071-11 0034 (CLR) KNITTLE, JEROME. General clinical research center-Effect of early nutrition on development of human adipose tissue.
- MO1RR-00071-11 0037 (CLR) MENDLOWITZ, MILTON. General clinical research center-Antihypertensive drugs-Digital circulation (human).
- MO1RR-00071-11 0038 (CLR) MONES, ROBERT. General clinical research center-Evaluation of MK-486 in Parkinson's disease (human).
- MO1RR-00071-11 0040 (CLR) SELUKOFF, IRVING. General clinical research center-Diagnosis and therapy of industrial lung disease.
- MO1RR-00071-11 0042 (CLR) CAPRA, DONALD J. General clinical research center-Immunochemical study of human gamma globulins.
- MO1RR-00071-11 0045 (CLR) GITLOW, STANLEY. General clinical research center-Catecholamine metabolism in hypertensive disease (human).
- MO1RR-00071-11 0046 (CLR) DEGUIA, DAISY. General clinical research center-Effect of glucocorticoids in catecholamine metabolism in hypertension (human).
- MO1RR-00071-11 0048 (CLR) KRAKOFF, LAWRENCE. General clinical research center-Relation of renin to vascular reactivity in hypertension (human).
- MO1RR-00071-11 0051 (CLR) KRIEGER, DOROTHY T. General clinical research center-Effect of growth hormone in growth hormone deficiency (human).
- MO1RR-00071-11 0054 (CLR) PERTSELIJDIS, D. General clinical research center-Clinical studies of biliary lipids (human).
- MO1RR-00071-11 0055 (CLR) GLADE, P R. General clinical research center-Therapeutic transfer factor in cell-mediated immune deficiency diseases (human).
- MO1RR-00071-11 0036 (CLR) HIRSCHHORN, KURT. General clinical research center-Clinical genetics center (human).
- MO1RR-00071-11 0057 (CLR) KRIEGER, DOROTHY T. General clinical research center-Effect of diphosphonate in Paget's disease (human).
- MO1RR-00071-11 0058 (CLR) LYONS, A S. General clinical research center-Ileostomy contents (human).
- MO1RR-00071-11 0059 (CLR) RUBIN, E. General clinical research center-Pathogenesis and treatment of alcohol induced diseases (human).
- MO1RR-00071-11 0060 (CLR) MEYERS, S R. General clinical research center-Tobramycin in renal failure (human).
- MO1RR-00071-11 0061 (CLR) MONES, ROBERT. General clinical research center-Evaluation of alpha-methyl-tyrosine in dyskinesias (human).
- MO1RR-00071-11 0062 (CLR) RUBIN, E. General clinical research center-Effects of alcohol on subcellular organelles of liver (human).
- MO1RR-00071-11 0063 (CLR) YU, T F. General clinical research center-Evaluation of halofenate (human, dogs).
- MO1RR-00073-12 (CLR) BLOCKER, TRUMAN G, JR, UNIV OF TEXAS MEDICAL BRANCH, 9TH AND STRAND, GALVESTON, TEXAS. General clinical research center.
- MO1RR-00073-12 0002 (CLR) TRAVIS, LUTHER B. General clinical research center-Hypokalemic alkalosis (human).
- MO1RR-00073-12 0003 (CLR) BRYAN, GEORGE T. General clinical research center-Aldosterone secretion in children with hypertension.
- MO1RR-00073-12 0009 (CLR) SABLES, HARRY E. General clinical research center-Lymphatic dialysis for renal insufficiency (human).
- MO1RR-00073-12 0011 (CLR) ALPERIN, JACK B. General clinical research center-Erythrocyte metabolism in thalassemia and hemoglobinopathies (human).
- MO1RR-00073-12 0012 (CLR) BRYAN, GEORGE T. General clinical research center-Pituitary growth hormone physiology (human).
- MO1RR-00073-12 0014 (CLR) POWELL, L C. General clinical research center-Reduction of RH antibodies in isoimmunized patients.
- MO1RR-00073-12 0016 (CLR) TRAVIS, LUTHER B. General clinical research center-Nephrotic syndrome (human).
- MO1RR-00073-12 0018 (CLR) BRYAN, GEORGE T. General clinical research center-Development and control of periodicity in humans.
- MO1RR-00073-12 0020 (CLR) GOLDMAN, AMOND S. General clinical research center-Cells of human colostrum-immunologic studies.
- MO1RR-00073-12 0024 (CLR) SCURRY, MURPHY T. General clinical research center-Families with multiple endocrine adenomatosis.
- MO1RR-00073-12 0025 (CLR) POWELL, GERALD F. General clinical research center-Short stature and reversible hypopituitarism (human).
- MO1RR-00073-12 0026 (CLR) POWELL, GERALDINE K. General clinical research center-Growth patterns in patients with chronic inflammatory disease of the bowel.
- MO1RR-00073-12 0027 (CLR) POWELL, GERALDINE K. General clinical research center-A test to distinguish between biliary obstruction and neonatal hepatitis (human).
- MO1RR-00073-12 0038 (CLR) THOMPSON, JAMES C. General clinical research center-Effect of portosystemic shunt on gastric secretion and serum gastrin (human).
- MO1RR-00073-12 0039 (CLR) SCURRY, MURPHY T. General clinical research center-Synthetic salmon calcitonin in Paget's disease (human).
- MO1RR-00073-12 0040 (CLR) GOLDMAN, ARMOND S. General clinical research center-Defects in cellular immunity (human).
- MO1RR-00073-12 0045 (CLR) BRYAN, GEORGE T. General clinical research center-Aldosterone production in adrenogenital syndrome (human).
- MO1RR-00073-12 0046 (CLR) HAGOARD, MARY E. General clinical research center-Megaloblastic anemia in regards to metabolic effects and genetics (human).
- MO1RR-00073-12 0047 (CLR) LEVIN, WILLIAM C. General clinical research center-Clinical complications associated with paraproteinemia (human).
- MO1RR-00073-12 0048 (CLR) REMMERS, AUGUST R. General clinical research center-Pyelogram urea washout test in renovascular hypertension (human).
- MO1RR-00073-12 0051 (CLR) POWELL, GERALDINE K. General clinical research center-Chronic diarrhea and failure to thrive in infancy (human).
- MO1RR-00073-12 0055 (CLR) REEDER, DAVID D. General clinical research center-Ileal bypass-Nutritional state and gastric secretory pattern of obese people.
- MO1RR-00073-12 0056 (CLR) SCURRY, MURPHY T. General clinical research center-Parathyroid function-Patients with hyperthyroidism and after thyroidectomy.
- MO1RR-00073-12 0059 (CLR) HUGHES, WILLIAM S. General clinical research center-Antacid modification of serum gastrin response to eating (human).
- MO1RR-00073-12 0060 (CLR) POWELL, GERALDINE K. General clinical research center-Familial occurrence of Australia antigen (human).
- MO1RR-00073-12 0062 (CLR) TRAVIS, LUTHER B. General clinical research center-Water-electrolyte metabolism in abnormal anti-diuretic hormone secretion (human).
- MO1RR-00073-12 0063 (CLR) LOCKHART, LILLIAN. General clinical research center-Genetic disorders-Cystic fibrosis, ring chromosomes (human).
- MO1RR-00073-12 0054 (CLR) SCURRY, MURPHY T. General clinical research center-Synthetic salmon calcitonin in hypercalcemia (human).
- MO1RR-00073-12 0065 (CLR) THOMPSON, JAMES C. General clinical research center-Relationship diurnal variation of serum calcium to gastrin concentration (human).
- MO1RR-00073-12 0056 (CLR) SCURRY, MURPHY T. General clinical research center-Parathyroid secretion on cancer (human).
- MO1RR-00073-12 0067 (CLR) BEATHARD, GERALD A. General clinical research center-Cyproheptadine in idiopathic immune complex-induced glomerulonephritis (human).
- MO1RR-00073-12 0068 (CLR) POWELL, GERALD F. General clinical research center-Prolidase defect-Effect of diet on urinary excretion of amino acids (human).
- MO1RR-00073-12 0069 (CLR) POWELL, GERALD F. General clinical research center-Tyrosinemia-Effect of low tyrosine diet (human).
- MO1RR-00075-11 (CLR) VAUGHAN, VICTOR C, 3D, ST CHRISTOPHERS HOSPITAL, 2600 NORTH LAWRENCE STREET, PHILADELPHIA, PA. General clinical research center for children.
- MO1RR-00075-11 0010 (CLR) GRUSKIN, ALAN B. General clinical research center for children-Xenon 133 measurements of intrarenal blood flow distribution.
- MO1RR-00075-11 0012 (CLR) PUNNETT, HOPE H. General clinical research center for children-Use of chromosomal markers in linkage studies.
- MO1RR-00075-11 0015 (CLR) KISTENMACHER, MILDRED. General clinical research center for children-Delineation of the chondrodysplasias.
- MO1RR-00075-11 0018 (CLR) LISCHNER, HAROLD W. General clinical research center for children-Pathogenic mechanisms and therapy of chronic granulomatous disease.
- MO1RR-00075-11 0031 (CLR) HUANG, NANCY N. General clinical research center for children-Pulmonary involvement and therapy in newborn infants with cystic fibrosis.
- MO1RR-00075-11 0034 (CLR) DIGORGE, ANGELO M. General clinical research center for children-Candidiasis-Endocrinopathy syndrome.
- MO1RR-00075-11 0087 (CLR) REZVANI, HAZ. General clinical research center for children-Effect of HGH on amino acid metabolism in hypopituitarism.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
M01RR-00075-11 0038 (CLR) BAYHDASSARIAN, ALICE. General clinical research center for children-Pituitary-gonadal interrelationship.	M01RR-00076-12 0051 (CLR) FINLAND, MAXWELL. General clinical research center-Combinations of penicillins for gram-negative urinary tract infection (human).
M01RR-00075-11 0040 (CLR) GROVER, WARREN D. General clinical research center for children-Studies in subacute sclerosing panencephalitis.	M01RR-00076-12 0052 (CLR) FINLAND, MAXWELL. General clinical research center-Viral antecedents of pneumococcal pneumonia (human).
M01RR-00075-11 0041 (CLR) GROVER, WARREN D. General clinical research center for children-Biochemical parameters of periodic CNS symptomatology.	M01RR-00076-12 0053 (CLR) KASS, EDWARD H. General clinical research center-Bacteriuria in precipitating pyelonephritis and premature delivery (human).
M01RR-00075-11 0043 (CLR) BAIRD, HENRY W. General clinical research center for children-Degenerative central nervous system disease.	M01RR-00076-12 0054 (CLR) KASS, EDWARD H. General clinical research center-Evaluation of new antibiotics (human).
M01RR-00075-11 0045 (CLR) GRUSKIN, ALAN B. General clinical research center for children-Mechanism of steroid induced proteinuria renal disease.	M01RR-00076-12 0055 (CLR) KASS, EDWARD H. General clinical research center-Evaluation of new antimicrobial agents (human).
M01RR-00075-11 0050 (CLR) LISCHNER, HAROLD W. General clinical research center for children-Congenital absence of thymus and congenital thymic dysplasia.	M01RR-00076-12 0056 (CLR) FINLAND, MAXWELL. General clinical research center-Therapy with new anti-bacterial agents (human).
M01RR-00075-11 0052 (CLR) LISCHNER, HAROLD W. General clinical research center for children-Attempts of respiratory tract sterilization in cystic fibrosis.	M01RR-00076-12 0057 (CLR) KASS, EDWARD H. General clinical research center-Epidemiology of mycoplasma during pregnancy (human).
M01RR-00075-11 0053 (CLR) ESHAGHPOUR, ESHAGH. General clinical research center for children-Pharmacologic studies of digoxin in infants and children.	M01RR-00076-12 0058 (CLR) KASS, EDWARD H. General clinical research center-Clotting parameters in surgery and infection (human).
M01RR-00075-11 0058 (CLR) DIGEORGE, ANGELO M. General clinical research center for children-Cryptorchidism and other testicular disorders.	M01RR-00076-12 0059 (CLR) KASS, EDWARD H. General clinical research center-Investigation of trimethoprim-sulfamethoxazole (human).
M01RR-00075-11 0059 (CLR) REZVANI, IRAJ. General clinical research center for children-Growth hormone interaction with fibroblast tissue cultures.	M01RR-00076-12 0064 (CLR) MONACO, ANTHONY P. General clinical research center-Anti-lymphocytic serum in living renal transplant (human).
M01RR-00075-11 0060 (CLR) LISCHNER, HAROLD W. General clinical research center for children-Immunotherapy of malignancy.	M01RR-00076-12 0065 (CLR) MONACO, ANTHONY P. General clinical research center-Anti-lymphocytic serum in cadaveric renal transplant (human).
M01RR-00075-11 0061 (CLR) SIBINGA, MAAKTEN S. General clinical research center for children-Effects of isolation of newborn infants in a sterile environment.	M01RR-00076-12 0066 (CLR) MONACO, ANTHONY P. General clinical research center-Anti-lymphocytic serum and tolerance (human).
M01RR-00075-11 0062 (CLR) HUANG, NANCY. General clinical research center for children-Evaluation of bronchial lavage via ventilating bronchoscope in cystic fibrosis.	M01RR-00076-12 0067 (CLR) BENSON, HERBERT. General clinical research center-Blood pressure conditioning and 24 hour blood pressure values (human).
M01RR-00075-11 0063 (CLR) HUANG, NANCY. General clinical research center for children-Pulmonary function in cystic fibrosis.	M01RR-00076-12 0068 (CLR) RAMIREZ, ALBERTO. General clinical research center-Digitalis vs ethacrynic acid and mercurhydrin in congestive heart failure (human).
M01RR-00075-11 0064 (CLR) NAIMAN, J LAWRENCE. General clinical research center for children-Pathogenetic mechanisms of persistent neutropenia.	M01RR-00076-12 0069 (CLR) ABELMANN, WALTER H. General clinical research center-Prospective study of CV manifestations of sickle cell anemia (human).
M01RR-00075-11 0065 (CLR) GRUSKIN, ALAN. General clinical research center for children-Relation renal bicarbonate threshold to other solutes in renal tubular acidosis.	M01RR-00076-12 0070 (CLR) HARTLEY, I HOWARD. General clinical research center-Effects of repetitive leg exercise in post myocardial infarct (human).
M01RR-00075-11 0066 (CLR) GROVER, WARREN D. General clinical research center for children-Immune parameters in juvenile myasthenia gravis.	M01RR-00076-12 0071 (CLR) HARTLEY, I HOWARD. General clinical research center-Examination of factors that limit heavy physical work (human).
M01RR-00075-11 0067 (CLR) AUERBACH, VICTOR H. General clinical research center for children-Clinical applications of computer facilities.	M01RR-00076-12 0072 (CLR) HARTLEY, I HOWARD. General clinical research center-Efficacy of chronic digitalis therapy (human).
M01RR-00076-12 (CLR) EPSTEIN, FRANKLIN H, BOSTON CITY HOSPITAL, 818 HARRISON AVENUE, BOSTON, MASS. General clinical research center.	M01RR-00076-12 0073 (CLR) BENSON, HERBERT. General clinical research center-Oxygen consumption during wakeful, hypometabolic state (human).
M01RR-00076-12 0001 (CLR) BENSON, HERBERT. General clinical research center-Regulation of human blood pressure (human).	M01RR-00076-12 0074 (CLR) RAMIREZ, ALBERTO. General clinical research center-Quinidine and propranolol for ventricular irritability of exercise (human).
M01RR-00076-12 0002 (CLR) KNOPP, ROBERT H. General clinical research center-Metabolic acidosis (human).	M01RR-00076-12 0075 (CLR) BENSON, HERBERT. General clinical research center-Measurement of elicitation of a wakeful hypometabolic state (human).
M01RR-00076-12 0004 (CLR) KNOPP, ROBERT H. General clinical research center-Hypoglycemic states (human).	M01RR-00076-12 0076 (CLR) SAUDEK, CHRISTOPHER D. General clinical research center-Diabetes out of control (human).
M01RR-00076-12 0005 (CLR) KNOPP, ROBERT H. General clinical research center-Interrelationship in carbohydrate and lipid metabolism (human).	M01RR-00076-12 0077 (CLR) KNOPP, ROBERT H. General clinical research center-Range of plasma lipids in pathological pregnancies (human).
M01RR-00076-12 0014 (CLR) JANDL, JAMES H. General clinical research center-Mechanism of blood destruction in hemolytic anemia (human).	M01RR-00076-12 0078 (CLR) KNOPP, ROBERT H. General clinical research center-Comparison of two dosage forms of tolazamide on hypoglycemia (human).
M01RR-00076-12 0022 (CLR) MARK, ROGER, G. General clinical research center-Arterial pulse wave velocity and diastolic blood pressure (human).	M01RR-00076-12 0079 (CLR) LANDSBERG, LEWIS. General clinical research center-Evaluation of pituitary, adrenal, thyroid and parathyroid function (human).
M01RR-00076-12 0023 (CLR) ABELMANN, WALTER H. General clinical research center-Left ventricle function in man.	M01RR-00076-12 0080 (CLR) LANDSBERG, LEWIS. General clinical research center-Streptozotocin in treatment of metastatic carcinoid tumor (human).
M01RR-00076-12 0024 (CLR) ABELMANN, WALTER H. General clinical research center-Cardiovascular studies in acute and chronic respiratory diseases (human).	M01RR-00076-12 0081 (CLR) LANDSBERG, LEWIS. General clinical research center-Streptozotocin in treatment of endocrine tumors (human).
M01RR-00076-12 0025 (CLR) HARTLEY, I HOWARD. General clinical research center-Exercise testing and physical conditioning (human).	M01RR-00076-12 0082 (CLR) WRIGHT, STEPHEN C. General clinical research center-Antibiotic metabolism in liver disease (human).
M01RR-00076-12 0026 (CLR) STASON, WILLIAM B. General clinical research center-Effect of chronic digitalization on heart function (human).	M01RR-00076-12 0083 (CLR) WONG, PATRICK. General clinical research center-Kallikrein, Na and H2O excretion in cirrhosis, hepato-renal syndrome (human).
M01RR-00076-12 0027 (CLR) KNOPP, ROBERT H. General clinical research center-Metabolic alteration during fasting (human).	M01RR-00076-12 0004 (CLR) ZAMCHECK, NORMAN. General clinical research center-Pathology of digestive tract mucous membrane (human).
M01RR-00076-12 0028 (CLR) KNOPP, ROBERT H. General clinical research center-Metabolism in normal and diabetic pregnancy (human).	M01RR-00076-12 0085 (CLR) BULL, DAVID. General clinical research center-Lymphocyte reactivity in inflammatory bowel disease (human).
M01RR-00076-12 0029 (CLR) KNOPP, ROBERT H. General clinical research center-Effect of glycidiazinamide in diabetes (human).	M01RR-00076-12 0086 (CLR) TISHLER, PETER V. General clinical research center-Fluorescence and electron microscopic studies (human).
M01RR-00076-12 0030 (CLR) KNOPP, ROBERT H. General clinical research center-Quantity of APM used to sweeten food in obesity (human).	M01RR-00076-12 0087 (CLR) CRUMPACKER, CLYDE S II. General clinical research center-Herpes virus nucleic acids in human tumors.
M01RR-00076-12 0086 (CLR) DAVIDSON, CHARLES S. General clinical research center-Evaluation maintenance nitrogen balance by parenteral nutrition (human).	M01RR-00076-12 0058 (CLR) KASS, EDWARD H. General clinical research center-Hypertension in East Boston.
M01RR-00076-12 0037 (CLR) DAVIDSON, CHARLES S. General clinical research center-Evaluation of amino acid-glucose mixture for parenteral nutrition (human).	M01RR-00076-12 0039 (CLR) SPEIZER, FRANK E. General clinical research center-Health effects of exposure to automobile exhaust (human).
M01RR-00076-12 0038 (CLR) DAVIDSON, CHARLES S. General clinical research center-Nutritional therapy hepatic encephalopathy with essential amino acids (human).	M01RR-00076-12 0090 (CLR) SPEIZER, FRANK E. General clinical research center-Case control study of laryngeal cancer (human).
M01RR-00076-12 0039 (CLR) BABIOR, BERNARD. General clinical research center-Plasma bradykinin, kallikreins in dumping syndrome or carcinoid syndrome (human).	M01RR-00076-12 0091 (CLR) BLACKBURN, GEORGE L. General clinical research center-Protein loss in trauma-Protein sparing therapy in semi-starvation (human).
M01RR-00076-12 0040 (CLR) WONG, PATRICK. General clinical research center-Effect of bradykinin in hepato-renal syndrome and cirrhosis (human).	M01RR-00076-12 0092 (CLR) BROWN, ROBERT S. General clinical research center-Regression of hyperparathyroidism following renal transplant (human).
M01RR-00076-12 0041 (CLR) BABIOR, BERNARD. General clinical research center-6-methylprednisolone therapy in alcoholic hepatitis (human).	M01RR-00076-12 0093 (CLR) BROWN, ROBERT S. General clinical research center-Effect of spironolactone on renal acid excretion in cirrhosis (human).
M01RR-00076-12 0042 (CLR) BABIOR, BERNARD. General clinical research center-Gastric mucosal lesions in pernicious anemia (human).	M01RR-00076-12 0094 (CLR) BROWN, ROBERT S. General clinical research center-Evaluation of renal function and disease (human).
M01RR-00076-12 0047 (CLR) TISHLER, PETER. General clinical research center-Cytogenetic studies of chronic disease.	M01RR-00076-12 0095 (CLR) BROWN, ROBERT S. General clinical research center-Hemodynamic concomitants of therapy of hypercalcemia (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00076-12 0096 (CLR) MONACO, ANTHONY P. General clinical research center-Donor bone marrow infusion to living renal allograft (human).

MO1RR-00076-12 0097 (CLR) MONACO, ANTHONY P. General clinical research center-Bone marrow infusion to cadaveric renal allograft in ALS treated patient.

MO1RR-00076-12 0090 (CLR) MONACO, ANTHONY P. General clinical research center-Thoracic duct drainage and ALS treatment in living renal allograft (human).

MO1RR-00076-12 0099 (CLR) MONACO, ANTHONY P. General clinical research center-Thoracic duct drainage and ALS treatment in cadaveric renal allograft (human).

MO1RR-00076-12 0100 (CLR) SELTZER, BENJAMIN. General clinical research center-Memory for long term events in Korsakoff's disease (human).

MO1RR-00076-12 0101 (CLR) MARK, VERNON H. General clinical research center-Localization of intracerebral chemodectomas during thalamotomy for pain relief (human).

MO1RR-00076-12 0102 (CLR) MARK, VERNON H. General clinical research center-Study of violence of temporal lobe epilepsy with stereotactic electrodes (human).

MO1RR-00076-12 0103 (CLR) MARK, VERNON H. General clinical research center-Stereotactic relief of pain in terminal cancer (human).

MO1RR-00076-12 0104 (CLR) BERNSTEIN, JERROLD G. General clinical research center-Proprietary treatment of alcohol abstinence syndrome (human).

MO1RR-00076-12 0105 (CLR) HOWE, LOUISA P. General clinical research center-Follow-up study of Boston drug addicts.

MO1RR-00076-12 0106 (CLR) PATCH, VERNON D. General clinical research center-1-alpha acetylmethadol and methadone for rehabilitation of heroin addicts.

MO1RR-00076-12 0107 (CLR) MENDELSON, JACK H. General clinical research center-Beta adrenergic blocking agents in treatment of alcoholism (human).

MO1RR-00076-12 0108 (CLR) PATCH, VERNON D. General clinical research center-Double blind study of naltrexone hydrochloride (human).

MO1RR-00076-12 0109 (CLR) MCCORMACK, WILLIAM M. General clinical research center-Procaïne penicillin G vs spectinomycin in pelvic inflammatory disease (human).

MO1RR-00076-12 0110 (CLR) MCCORMACK, WILLIAM. General clinical research center-Antibiotic levels in blood and genital secretion to killing *N. gonorrhoeae* (human).

MO1RR-00076-12 0111 (CLR) KLEIN, JEROME O. General clinical research center-Therapy of acute otitis media in children.

MO1RR-00076-12 0112 (CLR) BROWN, HENRY. General clinical research center-Essential amino acid effect on blood ammonia (human).

MO1RR-00079-12 (CLR) FORSHAM, PETER H, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. General clinical research center.

MO1RR-00079-12 0001 (CLR) MORRIS, R CURTIS JR. General clinical research center-Nature of acidification defect (human).

MO1RR-00079-12 0002 (CLR) SAMLO, RENATO. General clinical research center-Rapid diagnostic measures in Cushing's syndrome (human).

MO1RR-00079-12 0013 (CLR) LEVIN, SIDNEY R. General clinical research center-Effects of cryohypophysectomy for acromegaly (human).

MO1RR-00079-12 0017 (CLR) EPSTEIN, WALLACE V. General clinical research center-Metabolic study of 1125 labeled light chain proteins (human).

MO1RR-00079-12 0022 (CLR) KARAM, JOHN. General clinical research center-Endogenous insulin secretion in insulin-treated diabetes (human).

MO1RR-00079-12 0028 (CLR) KARAM, JOHN. General clinical research center-Effects of intravenous arginine on insulin secretion in diabetes (human).

MO1RR-00079-12 0032 (CLR) SCHMID, RUDI. General clinical research center-Bilirubin metabolism in Gilbert's disease (human).

MO1RR-00079-12 0036 (CLR) ERNEST, DAVID. General clinical research center-Bile salt metabolism in cholestasis (human).

MO1RR-00079-12 0055 (CLR) MORRIS, R CURTIS, JR. General clinical research center-Nature of acidification defect (human).

MO1RR-00079-12 0056 (CLR) KAPLAN, SELNA. General clinical research center-Secretion and disposition of pituitary growth hormone (human).

MO1RR-00079-12 0058 (CLR) KAPLAN, SELNA. General clinical research center-Idiopathic and ketogenic hypoglycemia (human).

MO1RR-00079-12 0071 (CLR) PHEL, CAROLYN F. General clinical research center-Use of Imuran in nephrosis, glomerulonephritis and lupus nephritis (children).

MO1RR-00079-12 0073 (CLR) KAPLAN, SELNA. General clinical research center-Insulin, GH and gonadotropic secretion in growth retardation (human).

MO1RR-00079-12 0086 (CLR) KAPLAN, SELNA. General clinical research center-Evaluation of TSH secretion in children.

MO1RR-00079-12 0088 (CLR) KAPLAN, SELNA. General clinical research center-Adrenal function in congenital adrenal hypoplasia (children).

MO1RR-00079-12 0090 (CLR) DUPPE, S. General clinical research center-Postprandial hypoglycemia-effects of diphenylhydantoin (human).

MO1RR-00079-12 0094 (CLR) KAPLAN, SELNA. General clinical research center-Glucocorticoid suppression of adrenal function in adrenal hyperplasia (human).

MO1RR-00079-12 0095 (CLR) PARIS, LISA. General clinical research center-Evaluation of pituitary function with thyroid releasing factor (human).

MO1RR-00079-12 0097 (CLR) FORSHAM, PETER H. General clinical research center-Diisopropylammonium dichloracetate as an oral hypoglycemic.

MO1RR-00079-12 0099 (CLR) BLOISE, M SCOTT. General clinical research center-Urinary melanogens in melanogens patients.

MO1RR-00079-12 0100 (CLR) KARAM, JOHN. General clinical research center-Use of streptozotocin in endocrine adenomatosis (human).

MO1RR-00079-12 0101 (CLR) SPITLER, LYNN. General clinical research center-Transfer factor therapy (human).

MO1RR-00079-12 0103 (CLR) SPITLER, LYNN. General clinical research center-BCG treatment of malignant melanoma (human).

MO1RR-00079-12 0104 (CLR) GERICH, JOHN E. General clinical research center-Dynamics of glucagon secretion in obesity (human).

MO1RR-00079-12 0105 (CLR) KARAM, JOHN. General clinical research center-Characteristics of hyperinsulinism (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00079-12 0109 (CLR) HOLLIDAY, MALCOLM. General clinical research center-Body composition of uremic children.

MO1RR-00079-12 0111 (CLR) AMMANN, ARTHUR J. General clinical research center-Immunologic reconstitution (human).

MO1RR-00079-12 0112 (CLR) GRUMBACH, MELVIN. General clinical research center-Evaluation of gonadotropin secretion (human).

MO1RR-00079-12 0116 (CLR) EPSTEIN, WILLIAM. General clinical research center-Gammaglobulin, thyroid and skin function in lichen myxodermatosus (human).

MO1RR-00079-12 0117 (CLR) KOLB, FELIX. General clinical research center-Diphosphonates for Paget's disease, effect of EMDP on renal calculi (human).

MO1RR-00079-12 0118 (CLR) FORSHAM, PETER H. General clinical research center-Evaluation of highly purified insulin for diabetes (human).

MO1RR-00079-12 0119 (CLR) MORRIS, R CURTIS, JR. General clinical research center-Role of parathyroid hormone in familial hypophosphatemic rickets (human).

MO1RR-00079-12 0120 (CLR) MORRIS, R CURTIS JR. General clinical research center-Vitamin D deficiency and hyperparathyroidism in type II RTA (human).

MO1RR-00079-12 0121 (CLR) MORRIS, R CURTIS JR. General clinical research center-Acidification dysfunction in renal acidosis (human).

MO1RR-00079-12 0122 (CLR) MELAMON, KENNETH. General clinical research center-Effect of hepatocellular disease on drug disposition (human).

MO1RR-00079-12 0123 (CLR) TYRRELL, J B. General clinical research center-Hypothalamic-pituitary function in Cushing's syndrome (human).

MO1RR-00079-12 0124 (CLR) KANE, JOHN. General clinical research center-Immunoglobulins and lipoproteins in immune globulins disorders (human).

MO1RR-00079-12 0125 (CLR) HAVEL, RICHARD. General clinical research center-Effect of fasting and lipolysis on energy metabolism (human).

MO1RR-00079-12 0126 (CLR) KAPLAN, SELNA. General clinical research center-Hormonal secretion in Cushing's syndrome (human).

MO1RR-00079-12 0127 (CLR) GRUMBACH, MELVIN. General clinical research center-Hypothalamic-pituitary regulatory mechanisms in CNS abnormalities (human).

MO1RR-00079-12 0128 (CLR) KIRSCHENBAUM, GERALD. General clinical research center-Bilirubin metabolism (human).

MO1RR-00079-12 0129 (CLR) KAPLAN, SELNA. General clinical research center-Prolactin secretion in hypothalamic and pituitary disorders (human).

MO1RR-00079-12 0130 (CLR) AMMANN, ARTHUR J. General clinical research center-Reticular tubular structures in chronic granulomatous disease (human).

MO1RR-00079-12 0131 (CLR) KAPLAN, SELNA. General clinical research center-Luteinizing releasing factor (human).

MO1RR-00079-12 0132 (CLR) KAPLAN, SELNA. General clinical research center-Hypertension of unknown etiology (human).

MO1RR-00050-12 (CLR) ROBBINS, FREDERICK C, CASE WESTERN RESERVE UNIV, 2107 ADELBERT ROAD, CLEVELAND, OHIO. General clinical research center.

MO1RR-00080-12 0008 (CLR) BECKEL, ROBERT E. General clinical research center-Distal tubular disorders (human).

MO1RR-00080-12 0012 (CLR) COWAN, DALE H. General clinical research center-Platelet production, survival, function in acute leukemia and lymphoma (human).

MO1RR-00080-12 0022 (CLR) PEARSON, OLOF H. General clinical research center-Metastatic and metabolic bone disease (human).

MO1RR-00060-12 0028 (CLR) PEARSON, OLOF H. General clinical research center-Growth hormone studies (human).

MO1RR-00060-12 0045 (CLR) OWENS, RUTH P. General clinical research center-Maturation in gonadal dysgenesis and effects of estrogens (human).

MO1RR-00060-12 0046 (CLR) HERZBERG, SHIRLEY B. General clinical research center-Vitamin C requirements in myelodysplasia (human).

MO1RR-00080-12 0047 (CLR) KENNEL, JOHN H. General clinical research center-Touch, non-touch and live-in mothers (human).

MO1RR-00060-12 0040 (CLR) KLEIN, LEROY. General clinical research center-Therapeutic trial of Engelmann's disease (human).

MO1RR-00050-12 0051 (CLR) KELLERMEYER, ROBERT W. General clinical research center-Familial hemochromatosis (human).

MO1RR-00080-12 0040 (CLR) PEARSON, OLOF H. General clinical research center-Effects of calcitonin in hypercalcemia, osteoporosis, and Paget's disease (human).

MO1RR-00080-12 0063 (CLR) OWENS, RUTH. General clinical research center-Pituitary function in children of reuced stature (human).

MO1RR-00060-12 0066 (CLR) PEARSON, OLOF H. General clinical research center-Adriamycin in metastatic breast cancer (human).

MO1RR-00080-12 0067 (CLR) PEARSON, OLOF H. General clinical research center-Human prolactin studies.

MO1RR-00080-12 0071 (CLR) WHITE, LAWRENCE. General clinical research center-Evaluation of beta-adrenergic theory of bronchial asthma (human).

MO1RR-00050-12 0072 (CLR) BERNIER, GEORGE, M. General clinical research center-Protein studies in immunopathies (human).

MO1RR-00050-12 0073 (CLR) CANOMY, JOHN P. General clinical research center-Growth hormone secretion in chronic manganese intoxication (human).

MO1RR-00060-12 0075 (CLR) KELLERMEYER, ROBERT. General clinical research center-Hodgkin's disease-Comparison of treatment (human).

MO1RR-00050-12 0079 (CLR) KELLERMEYER, ROBERT W. General clinical research center-Treatment of myeloblastic leukemia (human).

MO1RR-00080-12 0030 (CLR) KELLERMEYER, ROBERT W. General clinical research center-Oral methyl CCNU in lymphomas and solid tumors (human).

MO1RR-00080-12 0081 (CLR) KELLERMEYER, ROBERT W. General clinical research center-Five drug therapy in breast carcinoma (human).

MO1RR-00060-12 0082 (CLR) KELLERMEYER, ROBERT W. General clinical research center-Hypervolemia in patient with pernicious anemia.

MO1RR-00080-12 0083 (CLR) BEARD, N SHELLY. General clinical research center-Vincristine, imidazole carboxamide and adriamycin in solid tumors and leukemia.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00080-12 0064 (CLR) BEARD, N SHELLEY. General clinical research center—Treatment of solid tumors and refractory lymphomas (human).
- MO1RR-00080-12 0035 (CLR) ECKEL, ROBERT E. General clinical research center—Role of anti-thyroid antibodies in pathogenesis of glomerulonephrosis (human).
- MO1RR-00080-12 0086 (CLR) SCHAFFER, IRWIN. General clinical research center—Metabolism of carbohydrate containing macromolecules in human white blood culture.
- MO1RR-00080-12 0087 (CLR) KLAUS, MARSHALL. General clinical research center—Development of autonomic reflexes (human).
- MO1RR-00080-12 0088 (CLR) LEVINSOHN, MORRIS W. General clinical research center—Monoamines metabolism in juvenile Huntington's disease (human).
- MO1RR-00080-12 0089 (CLR) POLMAR, STEPHEN H. General clinical research center—Host-defense mechanism in recurrent infections (human).
- MO1RR-00080-12 0090 (CLR) POLMAR, STEPHEN H. General clinical research center—Aspects of bronchiolitis (human).
- MO1RR-00080-12 0091 (CLR) POLMAR, STEPHEN H. General clinical research center—Immunochemical test for immediate allergen hypersensitivity (human).
- MO1RR-00081-12 (CLR) KRETCHMER, NORMAN, STANFORD MEDICAL CENTER, DEPT OF PEDIATRICS, STANFORD, CALIF. General clinical research center, premature infants.
- MO1RR-00081-12 0002 (CLR) SUNSHINE, PHILIP. General clinical research center, premature infants—Assisted ventilation in treatment of respiratory failure.
- MO1RR-00081-12 0005 (CLR) SUNSHINE, PHILIP. General clinical research center, premature infants—Respiratory distress syndrome.
- MO1RR-00081-12 0006 (CLR) SUNSHINE, PHILIP. General clinical research center, premature infants—Hypercalcemic intravenous feedings.
- MO1RR-00081-12 0011 (CLR) SUMMONS, F BLAIR. General clinical research center, premature infants—Evaluation of hearing.
- MO1RR-00081-12 0014 (CLR) KOEHLER, ANNE F. General clinical research center, premature infants—Visual alertness evoked by maternal care.
- MO1RR-00081-12 0017 (CLR) SUNSHINE, PHILIP. General clinical research center, premature infants—Diagnosis and therapy in intractable diarrhea.
- MO1RR-00081-12 0021 (CLR) JOHNSON, JOHN D. General clinical research center, premature infants—Survival of respiratory failure with use of positive pressure ventilation.
- MO1RR-00081-12 0023 (CLR) TUNE, BRUCE. General clinical research center, premature infants—Inappropriate ADH secretion in hypoglycemia.
- MO1RR-00081-12 0025 (CLR) HACKEL, ALVIN. General clinical research center, premature infants—Transport system for critically-ill infant.
- MO1RR-00081-12 0028 (CLR) FERNBACH, STEPHEN. General clinical research center, premature infants—Late metabolic acidosis.
- MO1RR-00081-12 0029 (CLR) GRIBBLE, T JOHN. General clinical research center, premature infants—Determination of urinary porphyrin during phototherapy.
- MO1RR-00081-12 0030 (CLR) SUNSHINE, PHILLIP. General clinical research center, premature infants—Hepatic ornithine transcarbamylase deficiency.
- MO1RR-00081-12 0031 (CLR) TOPEL, RICHARD. General clinical research center, premature infants—Pulmonary disease in neonates.
- MO1RR-00081-12 0032 (CLR) DEMENT, WILLIAM. General clinical research center, premature infants—Sleep apnea in infants.
- MO1RR-00081-12 0033 (CLR) JOHNSON, JOHN D. General clinical research center, premature infants—Evaluation of walking donor program in neonatal intensive care.
- MO1RR-00081-12 0034 (CLR) SCHULMAN, IRVING. General clinical research center, premature infants—Metabolism of heparin in premature and newborns.
- MO1RR-00081-12 0035 (CLR) CHRISTIANSEN, ROBERT. General clinical research center, premature infants—Insulin suppression test for islet hyperplasia or islet cell adenoma.
- MO1RR-00081-12 0036 (CLR) FRIEDLAND, GERALD W. General clinical research center, premature infants—Hial hernia in infants and children.
- MO1RR-00081-12 0037 (CLR) KRETCHMER, NORMAN. General clinical research center, premature infants—Comparison of L/S and foam stability test for fetal pulmonary maturity.
- MO1RR-00052-12 (CLR) STETSON, CHANDLER A, UNIVERSITY OF FLORIDA, J HILLIS MILLER HLTH CTR, GAINESVILLE, FLA. General clinical research center.
- MO1RR-00082-12 0001 (CLR) THOMAS, WILLIAM C JR. General clinical research center—Prevention of recurrent renal calculi by phosphates (human).
- MO1RR-00082-12 0062 (CLR) ENNEKING, WILLIAM F. General clinical research center—Passive transfer of white cells vs osteosarcoma (human, rabbits).
- MO1RR-00082-12 0004 (CLR) KAUFMAN, HERBERT E. General clinical research center—Isosorbide treatment following keratoplasty (human).
- MO1RR-00082-12 0005 (CLR) MENDENHALL, HIRAM W. General clinical research center—Intrauterine transfusion for erythroblastosis fetalis (human).
- MO1RR-00082-12 0018 (CLR) ROSENBLUM, ARLAN L. General clinical research center—Hypoglycemia in infancy and its relation to familial diabetes (human).
- MO1RR-00082-12 0022 (CLR) ROSENBLUM, ARLAN L. General clinical research center—Chemical childhood diabetes and treatment with tolbutamide (human).
- MO1RR-00082-12 0024 (CLR) NEWCOMB, THOMAS P. General clinical research center—Biochemical and genetic studies of hemorrhagic and thrombotic disease (human).
- MO1RR-00082-12 0036 (CLR) KARACAN, ISMET. General clinical research center—Sleep pattern of insomnia (human).
- MO1RR-00062-12 0051 (CLR) TALBERT, JAMES L. General clinical research center—Postoperative assessment of abdominal sarcoma in children.
- MO1RR-00082-12 0063 (CLR) WILDER, BUNA J. General clinical research center—Oral vs IM DHP plasma kinetic and metabolic study (human).
- MO1RR-00082-12 0066 (CLR) ROSENBLUM, ARLAN L. General clinical research center—Effect of phenformin on diabetes mellitus in childhood.
- MO1RR-00082-12 0075 (CLR) RENNERT, OWEN M. General clinical research center—Wilson's syndrome (human).
- MO1RR-00082-12 0088 (CLR) RENNERT, OWEN M. General clinical research center—Seizures secondary to protein intolerance (human).
- MO1RR-00082-12 0090 (CLR) ROSENBLUM, ARLAN L. General clinical research center—Rapid assessment of pituitary adrenal function with IM pitressin (human).
- MO1RR-00082-12 0093 (CLR) ROSENBLUM, ARLAN L. General clinical research center—Mechanism and therapy of ketotic hypoglycemia (human).
- MO1RR-00082-12 0094 (CLR) ENNEKING, WILLIAM F. General clinical research center—Effect of bio-clean surgical facility on wound contamination (human).
- MO1RR-00082-12 0095 (CLR) TIWARY, CHANDRA M. General clinical research center—Metabolic and endocrine study of cerebral gigantism (human).
- MO1RR-00082-12 0096 (CLR) SEASHORE, MARGRETTA R. General clinical research center—Stimulation of growth hormone by propranolol glucagon administration (human).
- MO1RR-00082-12 0097 (CLR) THOMAS, WILLIAM C. General clinical research center—Genesis of renal calculi after jejuno-ileal anastomosis (human).
- MO1RR-00082-12 0098 (CLR) WILDER, BUNA. General clinical research center—Dosage of ethosuximide for petit mal epilepsy (human).
- MO1RR-00082-12 0099 (CLR) OPPELT, W WALTER. General clinical research center—Digoxin blood levels and excretion with hydrochlorothiazide (human).
- MO1RR-00082-12 0100 (CLR) WALDMAN, ROBERT H. General clinical research center—Evaluation of intra-nasal streptococcal M-protein vaccine—Type I (human).
- MO1RR-00082-12 0101 (CLR) VROOM, FREDERICK Q. General clinical research center—Addendum to hyper-hypo-kalemic periodic paralysis study.
- MO1RR-00082-12 0102 (CLR) WALDMAN, ROBERT H. General clinical research center—Evaluation of attenuated influenza vaccine—Hong Kong strain (human).
- MO1RR-00082-12 0103 (CLR) SCHLEIN, EDWARD M. General clinical research center—Relationship between nephropathy and idiopathic cyclic edema (human).
- MO1RR-00082-12 0104 (CLR) TIWARY, CHANDRA M. General clinical research center—Metabolic study of children with hyperlipidemia Type II.
- MO1RR-00082-12 0105 (CLR) BLOCK, A JAY. General clinical research center—Cell mediated and humoral immunity in sarcoidosis (human).
- MO1RR-00082-12 0106 (CLR) KAUFMAN, HERBERT E. General clinical research center—Parenteral adenine arabinoside in treatment of herpes uveitis (human).
- MO1RR-00082-12 0107 (CLR) ROSENBLUM, ARLAN L. General clinical research center—Renal function in childhood diabetes and retinal vascular status.
- MO1RR-00082-12 0108 (CLR) WALDMAN, ROBERT H. General clinical research center—Evaluation of attenuated influenza vaccine—London strain (human).
- MO1RR-00082-12 0109 (CLR) RENNERT, OWEN M. General clinical research center—Effect of vitamin B6 therapy in homocystinuria.
- MO1RR-00082-12 0110 (CLR) VROOM, FREDERICK Q. General clinical research center—Carbonic anhydrase inhibition effect on hyperkalemic periodic paralysis (human).
- MO1RR-00063-12 (CLR) KREVANS, JULIUS R, CLINICAL STUDY CENTER, SAN FRANCISCO GENERAL HOSP, SAN FRANCISCO, CALIF. General clinical research center.
- MO1RR-00083-12 0001 (CLR) BIGUERI, EDWARD G. General clinical research center—Renin-angiotensin system and mineralocorticoid in hypertension (human).
- MO1RR-00063-12 0004 (CLR) BIGUERI, EDWARD G. General clinical research center—Localization of aldosterone-producing adenoma (human).
- MO1RR-00083-12 0011 (CLR) BIGUERI, EDWARD G. General clinical research center—Primary aldosteronism (human).
- MO1RR-00083-12 0012 (CLR) HOLLIDAY, MALCOLM A. General clinical research center—Sodium regulation in hypertensive post-renal transplant child.
- MO1RR-00083-12 0015 (CLR) BIGUERI, EDWARD G. General clinical research center—Adrenal involvement in hypertension and hypokalemia (human).
- MO1RR-00068-12 0016 (CLR) SCHAMBELAN, MORRIS. General clinical research center—Renal vein renin measurement in unilateral renal disease (human).
- MO1RR-00083-12 0018 (CLR) HOLLIDAY, MALCOLM A. General clinical research center—Body composition in uremia (human).
- MO1RR-00083-12 0023 (CLR) EARNEST, DAVID. General clinical research center—Hyperzularia and bowel disease (human).
- MO1RR-00083-12 0035 (CLR) KREVANS, JULIUS R. General clinical research center—Hyporeninemic hypoadosteronism (human).
- MO1RR-00082-12 0038 (CLR) HOLLIDAY, MALCOLM A. General clinical research center—Nutritional supplementation in renal failure (children).
- MO1RR-00083-12 0039 (CLR) SCHAMBELAN, MORRIS. General clinical research center—Period following removal of aldosterone producing adenoma (human).
- MO1RR-00083-12 0040 (CLR) BIGUERI, EDWARD G. General clinical research center—Control of mineralocorticoid hormones (human).
- MO1RR-00083-12 0041 (CLR) SCHAMBELAN, MORRIS. General clinical research center—Isolated hypoadosteronism (human).
- MO1RR-00083-12 0042 (CLR) EARNEST, DAVID. General clinical research center—Bile salt metabolism in chronic liver disease.
- MO1RR-00083-12 0043 (CLR) MELMON, K. General clinical research center—Effect of hepatocellular disease on drug disposition in man.
- MO1RR-00083-12 0044 (CLR) SCHEINMAN, MELVIN. General clinical research center—Atrial pacing in sinoatrial disease (human).
- MO1RR-00083-12 0045 (CLR) LEWIS, RICHARD J. General clinical research center—Metabolism of warfarin (human).
- MO1RR-00083-12 0046 (CLR) WORBER, KENNETH. General clinical research center—Responses to ISI releasing hormone in diverse clinical states.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00083-12 0047 (CLR) COHEN, ALLEN B. General clinical research center-Alpha-1-antitrypsin-Does it inhibit an enzyme which causes emphysema?

MO1RR-00083-12 0048 (CLR) KREVANS, JULIUS R. General clinical research center-Phenobarbital for primary biliary cirrhosis (human).

MO1RR-00083-12 0049 (CLR) KREVANS, JULIUS R. General clinical research center-Systemic lupus erythematosus with adrenal insufficiency (human).

MO1RR-00084-12 (CLR) OLIVER, THOMAS K, CHILDRENS HOSP OF PITTSBURG, 125 DE SOTA STREET, PITTSBURG, PA. General clinical research center-children.

MO1RR-00084-12 0002 (CLR) DRASH, ALLAN L. General clinical research center-children-Metabolic effects of total fasting.

MO1RR-00084-12 0003 (CLR) DRASH, ALLAN L. General clinical research center-children-Etiology and therapy of hypoglycemia.

MO1RR-00084-12 0004 (CLR) DRASH, ALLAN L. General clinical research center-children-Juvenile diabetes mellitus.

MO1RR-00084-12 0005 (CLR) DRASH, ALLAN L. General clinical research center-children-Glycogen storage disease.

MO1RR-00084-12 0006 (CLR) DRASH, ALLAN L. General clinical research center-children-Endocrine and metabolic factors in alterations of growth.

MO1RR-00084-12 0008 (CLR) KENNY, FREDERIC M. General clinical research center-children-Hormonal control of Ca and P in various disease states.

MO1RR-00084-12 0015 (CLR) FIREMAN, PHILIP. General clinical research center-children-Developmental immunology.

MO1RR-00084-12 0017 (CLR) FIREMAN, PHILIP. General clinical research center-children-Hormonal and metabolic aspects of allergic disease.

MO1RR-00084-12 0024 (CLR) KENNY, FREDERIC M. General clinical research center-children-Comparative effects of growth hormone and cyproheptadine in hypopituitarism.

MO1RR-00084-12 0025 (CLR) DRASH, ALLAN L. General clinical research center-children-Lipid abnormalities and relationship to arteriosclerosis.

MO1RR-00084-12 0026 (CLR) FOLEY, THOMAS. General clinical research center-children-Alterations of thyroid function.

MO1RR-00084-12 0028 (CLR) FIREMAN, PHILIP. General clinical research center-children-Therapeutic approaches to candidiasis.

MO1RR-00084-12 0031 (CLR) FOLEY, THOMAS. General clinical research center-children-Control factors in timing of sexual maturation.

MO1RR-00084-12 0032 (CLR) FOLEY, THOMAS. General clinical research center-children-Hypothalamic-pituitary control mechanisms.

MO1RR-00084-12 0033 (CLR) KENNY, FREDERIC M. General clinical research center-children-Adrenal cortical function-Serum cortisol in renal failure.

MO1RR-00084-12 0034 (CLR) KENNY, FREDERIC M. General clinical research center-children-Adrenal cortical function-Salt-losing adrenogenital syndrome.

MO1RR-00084-12 0035 (CLR) MURPHY, JEROME. General clinical research center-children-Laigh's disease-Carrier state.

MO1RR-00084-12 0036 (CLR) MURPHY, JEROME. General clinical research center-children-Neurologic deficit and growth acceleration in cerebral gigantism.

MO1RR-00084-12 0037 (CLR) BLAU, ED. General clinical research center-children-Pathophysiology of Bartter's syndrome.

MO1RR-00084-12 0038 (CLR) KENNY, FREDERIC M. General clinical research center-children-Prolactin and somatomedin in hypopituitarism after surgery for craniopharyngioma.

MO1RR-00084-12 0039 (CLR) DRASH, ALLAN L. General clinical research center-children-Glucose tolerance sums and glucose-insulin ratios.

MO1RR-00084-12 0040 (CLR) FOLEY, THOMAS. General clinical research center-children-Studies with thyrotropin releasing hormone.

MO1RR-00084-12 0041 (CLR) FOLEY, THOMAS. General clinical research center-children-Hypothalamic-pituitary regulation in familial goiter.

MO1RR-00084-12 0042 (CLR) DRASH, ALLAN L. General clinical research center-children-Impaired gluconeogenesis and glycogenolysis in chronic liver disease.

MO1RR-00086-12 (CLR) DONNELL, GEORGE N, CHILDRENS HOSP OF LOS ANGELES, 4650 SUNSET BLVD, LOS ANGELES, CALIF. General clinical research center-children.

MO1RR-00086-12 0001 (CLR) SHAW, KENNETH N. General clinical research center-children-Metabolic problems involving amino acids and related compounds.

MO1RR-00086-12 0002 (CLR) DONNELL, GEORGE N. General clinical research center-children-Portacaval anastomosis in glycogen storage disease (GSD), type I.

MO1RR-00086-12 0004 (CLR) KOGUT, MAURICE D. General clinical research center-children-Effect of human growth hormone on hypopituitary dwarfs.

MO1RR-00086-12 0006 (CLR) HYMAN, CAROL. General clinical research center-children-Preventing intertransfusion anemia in patients with thalassemia major.

MO1RR-00086-12 0011 (CLR) WRIGHT, HARRY T JR. General clinical research center-children-Long-term effects of cytomegalovirus infection in the newborn.

MO1RR-00086-12 0019 (CLR) ROE, THOMAS F. General clinical research center-children-Intractable hypoglycemia of infancy.

MO1RR-00086-12 0020 (CLR) CHAN, JAMES J. General clinical research center-children-Acid balance studies in renal acidosis.

MO1RR-00086-12 0021 (CLR) BLASKOVICS, MILAN. General clinical research center-children-Metabolic studies of hyperphenylalanemia (phenylketonuria, diagnosis).

MO1RR-00086-12 0022 (CLR) KOGUT, MAURICE D. General clinical research center-children-Autoimmunity and thyrotoxicosis.

MO1RR-00086-12 0024 (CLR) KERSHNER, ANN K. General clinical research center-children-Assessment of the prediabetic child.

MO1RR-00086-12 0026 (CLR) WANG, CHUN-I. General clinical research center-children-Endocrine pancreatic function in cystic fibrosis.

MO1RR-00086-12 0027 (CLR) KERSHNER, ANN K. General clinical research center-children-Congenital adrenal hyperplasia, 11-and 17-hydroxylase deficiencies.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00086-12 0028 (CLR) ROE, THOMAS F. General clinical research center-children-Ketotic hypoglycemia (carbohydrate tolerance, insulin secretion).

MO1RR-00086-12 0029 (CLR) BORUT, DANIELLE. General clinical research center-children-Linear growth in congenital adrenal hyperplasia.

MO1RR-00086-12 0030 (CLR) LEMBROCK, SUSANNE. General clinical research center-children-Pharmacology of selected antitumor agents.

MO1RR-00086-12 0031 (CLR) CHAN, JAMES C. General clinical research center-children-Vitamin D metabolism in vitamin D resistant rickets.

MO1RR-00086-12 0032 (CLR) LIEBERMAN, E. General clinical research center-children-Renal hypertension.

MO1RR-00088-11 (CLR) SCRIMSHAW, NEVIN S, MASSACHUSETTS INST OF TECH, 77 MASSACHUSETTS AVENUE, CAMBRIDGE, MASS. General clinical research center.

MO1RR-00088-11 0002 (CLR) SCRIMSHAW, NEVIN S. General clinical research center-Protein and amino acid requirements in man.

MO1RR-00088-11 0003 (CLR) SCRIMSHAW, NEVIN S. General clinical research center-Protein requirements of healthy young men.

MO1RR-00088-11 0005 (CLR) CHALFEN, MELVIN H. General clinical research center-Radium and mesothorium poisoning in humans.

MO1RR-00088-11 0013 (CLR) LEES, ROBERT S. General clinical research center-Diet and drug therapy relation to lipoprotein in hyper- and hypolipidemia (human).

MO1RR-00088-11 0024 (CLR) STANBURY, JOHN B. General clinical research center-Pathogenesis of nodular goiter (human).

MO1RR-00088-11 0029 (CLR) LEES, ROBERT S. General clinical research center-Lipoprotein metabolism in humans.

MO1RR-00088-11 0032 (CLR) LEES, ROBERT S. General clinical research center-Cardiovascular diagnostic assistance computer-Data management.

MO1RR-00088-11 0034 (CLR) TWITCHELL, THOMAS E. General clinical research center-Effects of brain damage on brain function-Veterans of Korean War (human).

MO1RR-00088-11 0036 (CLR) TWITCHELL, THOMAS E. General clinical research center-Effects of brain damage on brain function-Children with hemiparesis.

MO1RR-00088-11 0037 (CLR) SCRIMSHAW, NEVIN S. General clinical research center-Absorption of nucleotides and purine bases (human).

MO1RR-00088-11 0038 (CLR) YOUNG, VERNON R. General clinical research center-Total body N turnover and protein synthesis and catabolism (human).

MO1RR-00088-11 0039 (CLR) SCRIMSHAW, NEVIN S. General clinical research center-Milk tolerance and preference in children.

MO1RR-00088-11 0040 (CLR) LEES, ROBERT S. General clinical research center-Non-invasive cardiovascular diagnoses (human).

MO1RR-00088-11 0041 (CLR) WURTMAN, R J. General clinical research center-Dietary induced changes in serum amino acids and fatty acids (human).

MO1RR-00088-11 0042 (CLR) BLACKBURN, G L. General clinical research center-Metabolic and tissue changes for protein sparing diet (human).

MO1RR-00088-11 0043 (CLR) LEES, ROBERT S. General clinical research center-Diagnosis of atherosclerosis from pressure pulse contour (human).

MO1RR-00088-11 0044 (CLR) LEES, ROBERT S. General clinical research center-Transport properties of blood vessel walls (rabbits).

MO1RR-00088-11 0045 (CLR) LEES, ROBERT S. General clinical research center-Management of hyperlipoproteinemia and arteriosclerosis (human).

MO1RR-00088-11 0046 (CLR) SCRIMSHAW, NEVIN S. General clinical research center-Protein calorie requirements during trauma, sepsis and infection (human).

MO1RR-00088-11 0047 (CLR) SCRIMSHAW, NEVIN S. General clinical research center-Cellular immunity in nutritional states (human).

MO1RR-00088-11 0048 (CLR) SHATTUCK, STEPHANIE. General clinical research center-Assessing verbal and nonverbal capacity in normal adults.

MO1RR-00088-11 0049 (CLR) BIZZI, EMILIO. General clinical research center-Defining errors of motor activity in apraxia (human).

MO1RR-00088-11 0050 (CLR) HURT, WAYNE. General clinical research center-Neurosurgery for relief of persistent pain (human).

MO1RR-00088-11 0051 (CLR) WURTMAN, R J. General clinical research center-Effect of insulin on amino acid metabolism (human).

MO1RR-00095-14 (CLR) BASS, ALAN D, VANDERBILT UNIV, CCC-3322 MEDICAL CENTER, NASHVILLE, TENN. General clinical research center.

MO1RR-00095-14 0001 (CLR) LIDDLE, GRANT W. General clinical research center-Regulation of pituitary function (human).

MO1RR-00095-14 0003 (CLR) LIDDLE, GRANT W. General clinical research center-Clinical hyperadrenocorticism (human).

MO1RR-00095-14 0012 (CLR) MCCONNELL, FREEMAN. General clinical research center-Hereditary deafness (human).

MO1RR-00095-14 0014 (CLR) HARTMANN, ROBERT C. General clinical research center-Cellular defects in paroxysmal nocturnal hemoglobinuria (human).

MO1RR-00095-14 0015 (CLR) MCKEE, L CLIFFORD JR. General clinical research center-Circadian rhythm in red cell production.

MO1RR-00095-14 0016 (CLR) GRABER, ALAN L. General clinical research center-Recovery of function after removal of islet cell tumor (human).

MO1RR-00095-14 0021 (CLR) OATES, JOHN A. General clinical research center-Adrenergic pharmacology (human).

MO1RR-00095-14 0022 (CLR) OATES, JOHN A. General clinical research center-Antihypertensive therapy on secondary aldosteronism in hypertension (human).

MO1RR-00095-14 0024 (CLR) MICHELAKIS, ANDREW M. General clinical research center-Renin mechanisms (human).

MO1RR-00095-14 0029 (CLR) FOSTER, JOHN H. General clinical research center-Porto-systemic venous shunts for portal hypertension (human).

MO1RR-00095-14 0032 (CLR) SHULL, HARRISON. General clinical research center-Effect of truncal and selective gastric vagotomy (human).

MO1RR-00095-14 0034 (CLR) FOSTER, JOHN H. General clinical research center-Renal artery lesions causing hypertension (human).

MO1RR-00095-14 0039 (CLR) LILJENQUIST, JOHN E. General clinical research center-Effect of insulin and glucagon on hepatic glucose metabolism in man.

MO1RR-00095-14 0043 (CLR) OATES, JOHN A. General clinical research center-Prostaglandin synthesis in man.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00095-14 0044 (CLR) SCHENKER, STEVEN.** General clinical research center-Parenteral alimentation in liver disease (human).
- MO1RR-00095-14 0046 (CLR) KRANTZ, SANFORD B.** General clinical research center-Use of marrow cell cultures to study red cell aplasia and aplastic anemia (human).
- MO1RR-00095-14 0048 (CLR) CROFFORD, OSCAR B.** General clinical research center-Ischemic heart in patients with abnormal lipoprotein metabolism.
- MO1RR-00095-14 0051 (CLR) OLSON, WILLIAM H.** General clinical research center-Penicillamine treatment of muscular dystrophy (human).
- MO1RR-00095-14 0052 (CLR) TESSLER, RICHARD.** General clinical research center-Treatment Pagets disease with porcine calcitonin (human).
- MO1RR-00095-14 0057 (CLR) HOLLIFIELD, JOHN W.** General clinical research center-Antihypertensive therapy in suppressed renin hypertension (human).
- MO1RR-00095-14 0058 (CLR) SHAND, DAVID G.** General clinical research center-Excretion of kanamycin in normal renal function (human).
- MO1RR-00095-14 0059 (CLR) NIES, ALAN S.** General clinical research center-Inotropic effect of oral hypoglycemic agents (human).
- MO1RR-00095-14 0060 (CLR) HARTMANN, ROBERT C.** General clinical research center-Therapy for sickle cell vaso-occlusive crisis (human).
- MO1RR-00095-14 0061 (CLR) CROFFORD, OSCAR B.** General clinical research center-Clinical use of breath acetone measurements (human).
- MO1RR-00095-14 0062 (CLR) GINN, H EARL.** General clinical research center-Neurobehavioral and clinical responses to hemodialysis (human).
- MO1RR-00095-14 0063 (CLR) LILJENQUIST, JOHN E.** General clinical research center-Insulin inhibition of insulin secretion (human).
- MO1RR-00095-14 0064 (CLR) HOLLIFIELD, JOHN W.** General clinical research center-Evaluation of antineoplastic therapy for pheochromocytoma (human).
- MO1RR-00095-14 0065 (CLR) LIDDLE, GRANT W.** General clinical research center-Family with multiple adenomatosis.
- MO1RR-00095-14 0066 (CLR) BOOZE, GEORGE W.** General clinical research center-Temperature changes in TSH suppressibility in hypothyroidism (human).
- MO1RR-00095-14 0067 (CLR) OATES, JOHN A.** General clinical research center-Vasodilator substances in carcinoid syndrome (human).
- MO1RR-00095-14 0068 (CLR) OATES, JOHN A.** General clinical research center-Effect of congestive heart failure on digoxin distribution (human).
- MO1RR-00095-14 0069 (CLR) NIES, ALAN S.** General clinical research center-Comparison of reserpine and guanethidine in hypertension (human).
- MO1RR-00095-14 0070 (CLR) SCHENKER, STEVEN.** General clinical research center-Effect of liver disease on clearance of sedatives (human).
- MO1RR-00095-14 0071 (CLR) WALKER, PHILIP J.** General clinical research center-Effect of liver disease on clearance of sedatives (human).
- MO1RR-00095-14 0073 (CLR) OLSON, WILLIAM H.** General clinical research center-Disordered neuromuscular transmission (human).
- MO1RR-00095-14 0074 (CLR) OLSON, WILLIAM H.** General clinical research center-Propranolol for Duchenne muscular dystrophy (human).
- MO1RR-00095-14 0075 (CLR) STAHLMAN, MILDRED.** General clinical research center-Long-term follow-up of hyaline membrane disease (human).
- MO1RR-00095-14 0076 (CLR) KARZON, DAVID T.** General clinical research center-Respiratory vaccine evaluation.
- MO1RR-00096-14 (CLR) KRUGMAN, SAUL, NEW YORK UNIV SCHOOL OF MED, 550 FIRST AVENUE, NEW YORK, N Y.** Clinical research center.
- MO1RR-00096-14 0017 (CLR) LOWENSTEIN, JEROME.** Clinical research center-The kidney in hypertension (human).
- MO1RR-00096-14 0026 (CLR) GOLDRING, ROBERTA M.** Clinical research center-Hypercapnic states in chronic pulmonary disease (human).
- MO1RR-00096-14 0031 (CLR) SNYDERMAN, SELMA E.** Clinical research center-Dietary therapy of maple syrup urine disease (human).
- MO1RR-00096-14 0032 (CLR) DANCIS, JOSEPH.** Clinical research center-Congenital hyperuricemia (human).
- MO1RR-00096-14 0038 (CLR) ALASKARI, S.** Clinical research center-Renal failure and value of cadaveric kidney transplantation (human).
- MO1RR-00096-14 0039 (CLR) KANTOR, THOMAS G.** Clinical research center-Treatment of collagen and other autoimmune disorders with antimetabolites (human).
- MO1RR-00096-14 0040 (CLR) GLUCK, M.** Clinical research center-Effect of anticoagulants on glomerulonephritis and lupus nephritis (human).
- MO1RR-00096-14 0041 (CLR) GERSHBERG, HERBERT.** Clinical research center-Effect of growth hormone and calcitonin on osteoporosis and bone disease (human).
- MO1RR-00096-14 0042 (CLR) LANYI, VALERY.** Clinical research center-Methods for correcting deformities of ankylosing spondylitis (human).
- MO1RR-00096-14 0043 (CLR) FRANKLIN, EDWARD C.** Clinical research center-Plasmaphoresis-Effect on myeloma (human).
- MO1RR-00096-14 0044 (CLR) LAWRENCE, H SHERWOOD.** Clinical research center-Treatment of melanoma with transfer factor (human).
- MO1RR-00096-14 0045 (CLR) PIONELLI, SERGIO.** Clinical research center-Iron excretion after injection of chelating agents in Cooley's anemia (human).
- MO1RR-00096-14 0046 (CLR) KIELY, BRIAN.** Clinical research center-Cardiac defects associated with maternal rubella syndrome (human).
- MO1RR-00096-14 0047 (CLR) REUBEN, RICHARD N.** Clinical research center-Progressive deterioration of central nervous system (human).
- MO1RR-00096-14 0048 (CLR) SNYDERMAN, SELMA E.** Clinical research center-Etiology of malabsorption syndrome (human).
- MO1RR-00096-14 0049 (CLR) DAVID, RALPH.** Clinical research center-Steroid metabolism in sex anomalies (human).
- MO1RR-00096-14 0050 (CLR) ZIRING, P R.** Clinical research center-Congenital rubella and opisthotonic posturing in 3-yr old.
- MO1RR-00096-14 0051 (CLR) COOPER, LOUIS Z.** Clinical research center-Endocrine evaluation in congenital rubella (human).
- MO1RR-00096-14 0052 (CLR) HOLLANDER, CHARLES S.** Clinical research center-Assessment of derangements of hypothalamic-pituitary-thyroid axis using TRH.
- MO1RR-00096-14 0053 (CLR) HOLLANDER, CHARLES S.** Clinical research center-T3 response to thyrotropin releasing hormone (human).
- MO1RR-00096-14 0054 (CLR) KAMMERMAN, SANDRA.** Clinical research center-Therapy of Paget's disease of bone (human).
- MO1RR-00096-14 0055 (CLR) DAVID, RALPH.** Clinical research center-Vitamin D resistant rickets response to 25-chloroxycholecalciferol (human).
- MO1RR-00096-14 0056 (CLR) WAN, I S.** Clinical research center-Effects of prostaglandins on thyroid function (human).
- MO1RR-00096-14 0057 (CLR) GORDON, E.** Clinical research center-Vascular disease in diabetes (human).
- MO1RR-00096-14 0058 (CLR) SEELIG, J.** Clinical research center-Metabolic abnormalities in magnesium deficit (human).
- MO1RR-00096-14 0059 (CLR) RAICHT, J.** Clinical research center-Effects of chemodexychoic acid on gallstones (human).
- MO1RR-00096-14 0060 (CLR) CAMPBELL, J.** Clinical research center-Effects of TRH on childhood schizophrenia.
- MO1RR-00096-14 0061 (CLR) LOWENSTEIN, JEROME.** Clinical research center-Effects of propranolol on aldosterone production with salt restriction (human).
- MO1RR-00096-14 0062 (CLR) KANTOR, T.** Clinical research center-Long acting aspirin preparation for arthritis (human).
- MO1RR-00096-14 0063 (CLR) SHOPSIN, B.** Clinical research center-Effects of TRH in manic depressive psychosis (human).
- MO1RR-00096-14 0064 (CLR) SNYDERMAN, S E.** Clinical research center-Dietary therapy in disturbances of amino acid metabolism (human).
- MO1RR-00096-14 0065 (CLR) BLUM, M.** Clinical research center-Thyroid echography (human).
- MO1RR-00096-14 0066 (CLR) PIONELLI, SERGIO.** Clinical research center-Diagnosis of lead poisoning (human).
- MO1RR-00096-14 0067 (CLR) SCHACHT, BOBERT.** Clinical research center-Post-streptococcal glomerulonephritis.
- MO1RR-00102-11 (CLR) MC CARTY, MACLYN, ROCKEFELLER UNIVERSITY, NEW YORK, N Y.** General clinical research center.
- MO1RR-00102-11 0001 (CLR) AHRENS, EDWARD H, JR.** General clinical research center-Lipid metabolism (human).
- MO1RR-00102-11 0002 (CLR) ARCHIBALD, REGINALD M.** General clinical research center-Calcitonin studies (human).
- MO1RR-00102-11 0003 (CLR) DOLE, VINCENT P.** General clinical research center-Methadone maintenance therapy.
- MO1RR-00102-11 0004 (CLR) HIRSCH, JULES.** General clinical research center-Behavioral and metabolic studies of obesity (human).
- MO1RR-00102-11 0005 (CLR) KAPPAS, ATTALAH.** General clinical research center-Studies in porphyria (human).
- MO1RR-00102-11 0006 (CLR) KUNKEL, HENRY G.** General clinical research center-Immunologic disorders (human).
- MO1RR-00102-11 0007 (CLR) MCCARTY, MACLYN.** General clinical research center-Rheumatic fever (human).
- MO1RR-00102-11 0008 (CLR) ARCHIBALD, REGINALD M.** General clinical research center-Skeletal maturation (human).
- MO1RR-00102-11 0009 (CLR) KREEK, MARY JEANNE.** General clinical research center-Estrogen, progestin and androgen effect on hepatobiliary function (human).
- MO1RR-00102-11 0010 (CLR) KREEK, MARY JEANNE.** General clinical research center-Barbiturate therapy to lower hyperbilirubinemia (human).
- MO1RR-00102-11 0011 (CLR) KAPPAS, ATTALAH.** General clinical research center-Pregnant, contraceptive-treated and post-partum women.
- MO1RR-00102-11 0012 (CLR) KAPPAS, ATTALAH.** General clinical research center-Lead poisoning (human).
- MO1RR-00102-11 0013 (CLR) KAPPAS, ATTALAH.** General clinical research center-Sickle cell anemia (human, dogs, monkeys).
- MO1RR-00102-11 0014 (CLR) MILLER, N.** General clinical research center-The learning of visceral responses (human).
- MO1RR-00107-11 (CLR) BOSEE, ROLAND A, PHILADELPHIA GENERAL HOSPITAL, 34TH STREET AND CURIE AVENUE, PHILADELPHIA, PA.** General clinical research center.
- MO1RR-00107-11 0022 (CLR) DILLON, RICHARD S.** General clinical research center-Phosphorus feeding in hypercalcemia (human).
- MO1RR-00107-11 0025 (CLR) WEISS, JORDAN B.** General clinical research center-jejunal alcohol perfusion, pancreatic function and bile flow (human).
- MO1RR-00107-11 0034 (CLR) LONG, WILLIAM B.** General clinical research center-Gastric emptying in pancreatic insufficiency.
- MO1RR-00107-11 0037 (CLR) WEISS, JORDAN B.** General clinical research center-Lipid absorption rates.
- MO1RR-00107-11 0040 (CLR) SHIP, IRWIN I.** General clinical research center-Etiology of periodic oral syndromes (human).
- MO1RR-00107-11 0042 (CLR) DIMITROV, NIKOLAY V.** General clinical research center-Chromosomal status after bleomycin in vivo (human).
- MO1RR-00107-11 0045 (CLR) SHIP, IRWIN I.** General clinical research center-Pathogenesis of recurrent aphthous ulcers and immune reactivity in pedigrees.
- MO1RR-00107-11 0046 (CLR) BRIGHTMAN, VERNON J.** General clinical research center-Oral sensation disorders (human, rats).
- MO1RR-00107-11 0049 (CLR) DILLON, RICHARD S.** General clinical research center-Psychotherapeutic drugs on cortisol/ACTH secretion in Cushing's disease (human).
- MO1RR-00107-11 0050 (CLR) SHORE, RONALD N.** General clinical research center-Clinical and endocrinological evaluation of empty sella syndrome (human).
- MO1RR-00107-11 0051 (CLR) SHORE, RONALD N.** General clinical research center-Mechanobullous diseases (human).
- MO1RR-00107-11 0052 (CLR) DILLON, RICHARD S.** General clinical research center-Effect of obesity on thyroid function (human).
- MO1RR-00107-11 0053 (CLR) LONG, WILLIAM B.** General clinical research center-Retrograde cannulation of ampulla of Vater (human).
- MO1RR-00107-11 0054 (CLR) JOHNSON, WILLIAM S.** General clinical research center-Kinetic studies in rapid dilantin metabolism (human).
- MO1RR-00107-11 0055 (CLR) MCGREGOR, ROB ROY.** General clinical research center-Effect of chronic alcohol ingestion on host defense.
- MO1RR-00107-11 0056 (CLR) HOWARD, WILLIAM J.** General clinical research center-Evaluation of in vivo hormone secretion by endocrine tumors (human).
- MO1RR-00107-11 0057 (CLR) UTIGER, ROBERT D.** General clinical research center-Thyrotropin and thyroid physiology (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00107-11 0058 (CLR) DILLON, RICHARD S. General clinical research center-IPseudohypoparathyroidism and pseudopseudohypoparathyroidism (human).	MO1RR-00123-11 0030 (CLR) LAMPKIN, BEATRICE C. General clinical research center-Children-Aplastic anemia.
MO1RR-00107-11 0059 (CLR) LYONS, HARVEY. General clinical research center-Acid-base balance and volume expansion in sickle cell anemia (human).	MO1RR-00123-11 0031 (CLR) PRATT, EDWARD L. General clinical research center-Children-Intestinal mucosa in diabetic children.
MO1RR-00107-11 0060 (CLR) HOWARD, BARBARA V. General clinical research center-Coll glycerolipid utilization in hyperlipoproteinemia (human).	MO1RR-00123-11 0032 (CLR) FOGELSON, HAROLD. General clinical research center-Children-Mental retardation.
MO1RR-00107-11 0061 (CLR) HOWARD, WILLIAM J. General clinical research center-Study of metabolic and connective tissue diseases using human fibroblast culture.	MO1RR-00123-11 0033 (CLR) HUG, GEORGE R. General clinical research center-Children-Type II glycogenosis-Normalization of hepatic ultrastructure.
MO1RR-00109-11 (CLR) LUONBUHL, WILLIAM H, UNIVERSITY OF VERMONT, GIVEN BLDG, BURLINGTON, VT. General clinical research center.	MO1RR-00123-11 0034 (CLR) BAGNELL, PHILIP. General clinical research center-Children-Idiopathic intestinal pseudo-obstruction.
MO1RR-00109-11 0001 (CLR) SIMS, ETHAN A. H. General clinical research center-Metabolic relationship of obesity and diabetes (human).	MO1RR-00123-11 0035 (CLR) BALISTRERI, WILLIAM F. General clinical research center-Children-Bile acid kinetics in diarrhea.
MO1RR-00109-11 0002 (CLR) HORTON, EDWARD S. General clinical research center-Carbohydrate metabolism in uremia (human).	MO1RR-00123-11 0036 (CLR) MCENERY, PAUL T. General clinical research center-Children-Vitamin D deficient and vitamin D resistant rickets.
MO1RR-00109-11 0011 (CLR) BLAND, JOHN H. General clinical research center-Collagen metabolism in Ehlers-Danlos syndrome (human).	MO1RR-00123-11 0037 (CLR) PRATT, EDWARD L. General clinical research center-Children-Hematochemical disorders.
MO1RR-00109-11 0020 (CLR) NEWCOMBE, DAVID. General clinical research center-Abnormalities associated with gout (human).	MO1RR-00123-11 0038 (CLR) PRATT, EDWARD L. General clinical research center-Children-Neutrophil dysfunction.
MO1RR-00109-11 0022 (CLR) TANNEN, RICHARD L. General clinical research center-Renal acidification defects (human).	MO1RR-00123-11 0039 (CLR) PRATT, EDWARD L. General clinical research center-Children-Liver morphology in abetalipoproteinemia and hypobetalipoproteinemia.
MO1RR-00109-11 0023 (CLR) TANNEN, RICHARD L. General clinical research center-Effect of urinary ammonia excretion on potassium excretion (human).	MO1RR-00125-11 (CLR) EBBERT, ARTHUR, JR, YALE UNIVERSITY SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. General clinical research center-adult-child.
MO1RR-00109-11 0025 (CLR) BEEKEN, WARREN L. General clinical research center-Absorptive defects and immune mechanisms in regional enteritis (human).	MO1RR-00125-11 0114 (CLR) SIEGEL, NORMAN J. General clinical research center-adult-child-Immunosuppressant treatment of lupus nephritis.
MO1RR-00109-11 0028 (CLR) LEVY, ARTHUR M. General clinical research center-Familial hypertrophic cardiomyopathy (human).	MO1RR-00125-11 0118 (CLR) BLOOMER, JOSEPH. General clinical research center-adult-child-Phenobarbital therapy in disease cholestatic liver.
MO1RR-00109-11 0029 (CLR) SMITH, DENNIS B. General clinical research center-Neutral hydrolases in myotonic dystrophy (human).	MO1RR-00125-11 0120 (CLR) GLENN, WILLIAM W. F. General clinical research center-adult-child-Remote stimulation by radiofrequency transmission.
MO1RR-00109-11 0035 (CLR) GREEN, GARETH M. General clinical research center-Pulmonary disease in a rural population.	MO1RR-00125-11 0134 (CLR) PELLJO, PHILIP. General clinical research center-adult-child-Regulation of alanine metabolism in man.
MO1RR-00109-11 0036 (CLR) NIES, ALEXANDER. General clinical research center-Evaluation of antidepressant activity of BW66-323 in depressed patients.	MO1RR-00125-11 0136 (CLR) PELLJO, PHILIP. General clinical research center-adult-child-Glucagon secretion and amino acid insulin relationship.
MO1RR-00109-11 0037 (CLR) HORTON, EDWARD S. General clinical research center-Anorexia nervosa (human).	MO1RR-00125-11 0138 (CLR) BINDER, HENRY, J. General clinical research center-adult-child-Therapy of granulomatous ileocolitis with azathioprine.
MO1RR-00109-11 0039 (CLR) DANFORTH, ELLIOT. General clinical research center-Hypothalamic-pituitary-end organ axis (human).	MO1RR-00125-11 0139 (CLR) BINDER, HENRY J. General clinical research center-adult-child-Natural history of adult celiac sprue.
MO1RR-00109-11 0040 (CLR) HORTON, EDWARD S. General clinical research center-Study of primary aldosteronism (human).	MO1RR-00125-11 0141 (CLR) BLOOMER, JOSEPH. General clinical research center-adult-child-Bilirubin turnover in liver disease.
MO1RR-00109-11 0041 (CLR) HORTON, EDWARD S. General clinical research center-Patient with anosmia hypogonadism and XY karyotype.	MO1RR-00125-11 0143 (CLR) BRAVERMAN, I. M. General clinical research center-adult-child-Pustular psoriasis of von Zumbusch.
MO1RR-00109-11 0042 (CLR) FRYMOYER, JOHN W. General clinical research center-Familial torisional and angulatory deformities of lower extremities.	MO1RR-00125-11 0144 (CLR) SPAULDING, S. General clinical research center-adult-child-Failure of methimazole to control hyperthyroidism.
MO1RR-00109-11 0043 (CLR) GREEN, GARETH M. General clinical research center-Aerosol antigen challenge in allergic bronchopulmonary aspergillosis.	MO1RR-00125-11 0146 (CLR) COLLINS, WILLIAM F. General clinical research center-adult-child-Acromegaly.
MO1RR-00109-11 0044 (CLR) BEEKEN, WARREN L. General clinical research center-Crohn's disease (human).	MO1RR-00125-11 0147 (CLR) DAVIS, CLARENCE D. General clinical research center-adult-child-Intrauterine fetal transfusion for erythroblastosis fetalis.
MO1RR-00109-11 0045 (CLR) REARDON, MILDRED A. General clinical research center-Combination chemotherapy in malignant melanoma (human).	MO1RR-00125-11 0143 (CLR) DILARD, MORRIS. General clinical research center-adult-child-Mechanism of 'steroid' fever.
MO1RR-00109-11 0046 (CLR) SMITH, DENNIS B. General clinical research center-Clinical evaluation of dimethylmethyl phenobarbital.	MO1RR-00125-11 0150 (CLR) FINCH, STUART. General clinical research center-adult-child-Leukokinetic studies in leukopenia.
MO1RR-00109-11 0047 (CLR) FOSTER, ROGER S, JR. General clinical research center-Effect of corticosteroid on granulopoiesis in renal dialysis (human).	MO1RR-00125-11 0151 (CLR) FINCH, STUART. General clinical research center-adult-child-Volban therapy in idiopathic thrombocytopenic purpura.
MO1RR-00109-11 0048 (CLR) BEEKEN, WARREN L. General clinical research center-VA-NH study of hepatitis prevention (human).	MO1RR-00125-11 0153 (CLR) MATTSO, RICHARD. General clinical research center-adult-child-Anticonvulsant therapy, with folic acid.
MO1RR-00109-11 0049 (CLR) TANNEN, RICHARD L. General clinical research center-Effect of potassium on urine acidification (human).	MO1RR-00125-11 0154 (CLR) GALLAGHER, BRIAN. General clinical research center-adult-child-Anticonvulsant action of dimethylmethyl phenobarbital.
MO1RR-00123-11 (CLR) PRATT, EDWARD L, CHILDRENS HOSPITAL RES FDM, ELAND AND BETHESDA AVENUE, CINCINNATI, OHIO. General clinical research center-Children.	MO1RR-00125-11 0156 (CLR) HSIA, YUJEN E. General clinical research center-adult-child-Tests for folic acid or vitamin B12 deficiency in megaloblastic anemia.
MO1RR-00123-11 0001 (CLR) SCHUBERT, WILLIAM K. General clinical research center-Children-Benign and recurrent cholestatic hepatitis (human).	MO1RR-00125-11 0159 (CLR) LEENER, ARRON B. General clinical research center-adult-child-Effect of melatonin on skin pigmentation and the endocrine system.
MO1RR-00123-11 0002 (CLR) SCHUBERT, WILLIAM K. General clinical research center-Children-Ketotic hypoglycemia.	MO1RR-00125-11 0160 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Aldosterone secretion in essential hypertension.
MO1RR-00123-11 0003 (CLR) HUG, GEORGE R. General clinical research center-Children-Glycolysis in children with neurologic symptoms.	MO1RR-00125-11 0161 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Adrenal hyperplasia.
MO1RR-00123-11 0003 (CLR) PARTIN, JOHN C. General clinical research center-Children-Types of malabsorption syndromes.	MO1RR-00125-11 0162 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Adrenal hyperfunction (Cushing's syndrome).
MO1RR-00123-11 0007 (CLR) HUG, GEORGE R. General clinical research center-Children-Generalized glycogen storage disease.	MO1RR-00125-11 0163 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Regulation of aldosterone secretion in hypertension.
MO1RR-00123-11 0008 (CLR) LAMPKIN, BEATRICE C. General clinical research center-Children-Leukocyte kinetics.	MO1RR-00125-11 0164 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Renin-aldosterone system in renal vascular hypertension.
MO1RR-00123-11 0011 (CLR) WEST, CLARK D. General clinical research center-Children-Immunosuppressive therapy of glomerulonephritis.	MO1RR-00125-11 0165 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Role of pituitary gland and regulation of aldosterone secretion.
MO1RR-00123-11 0012 (CLR) SCHUBERT, WILLIAM K. General clinical research center-Children-Subcutaneous and pulmonary lymphangiectasia.	MO1RR-00125-11 0169 (CLR) LUCKY, ANNE W. General clinical research center-adult-child-Intestinal phosphate transport in familial hypophosphatemic rickets.
MO1RR-00123-11 0013 (CLR) SCHUBERT, WILLIAM K. General clinical research center-Children-Reye's syndrome.	MO1RR-00125-11 0170 (CLR) ROSENBERG, LEON E. General clinical research center-adult-child-Liver enzymes of urea cycle in primary hyperammonemia.
MO1RR-00123-11 0017 (CLR) LOGGIE, JENNIFER. General clinical research center-Children-Hypertension.	MO1RR-00125-11 0172 (CLR) SPEROFF, LEON. General clinical research center-adult-child-Adrenal and ovarian function in Stein-Leventhal syndrome.
MO1RR-00123-11 0020 (CLR) STRAUSS, RONALD G. General clinical research center-Children-Evaluation of Bartter's syndrome (children).	MO1RR-00125-11 0174 (CLR) BINDER, HENRY J. General clinical research center-adult-child-Synthetic low residue diet in intestinal disease.
MO1RR-00123-11 0021 (CLR) HUG, GEORGE R. General clinical research center-Children-Plasma infusion in type II GSD and other lysosomal diseases.	MO1RR-00125-11 0175 (CLR) BINDER, HENRY J. General clinical research center-adult-child-Intestinal function in functional intestinal disease.
MO1RR-00123-11 0025 (CLR) LAMPKIN, BEATRICE C. General clinical research center-Children-Transfer factor in therapy of leukemia, immune deficiency diseases.	MO1RR-00125-11 0176 (CLR) BLOOMER, JOSEPH. General clinical research center-adult-child-Effect of fasting on metabolism of bilirubin and bile.
MO1RR-00123-11 0028 (CLR) HUG, GEORGE R. General clinical research center-Children-Hypoglycemia.	MO1RR-00125-11 0177 (CLR) BRAVERMAN, I. M. General clinical research center-adult-child-Vasculitis-Lymphomatoid Papulosis and Mucha-Haberman disease.
MO1RR-00123-11 0029 (CLR) LAMPKIN, BEATRICE C. General clinical research center-Children-Follow-up studies of gastric mucosa.	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00125-11 0178 (CLR) CONN, HAROLD O. General clinical research center-adult-child-Lactulose treatment of portal-systemic encephalopathy.	MO1RR-00125-11 0217 (CLR) GENEL, MYRON. General clinical research center-adult-child-Growth failure in adolescents with intestinal inflammatory disease.
MO1RR-00125-11 0179 (CLR) DONOWITZ, MARK. General clinical research center-adult-child-Diarrhea in carcinoid syndrome.	MO1RR-00125-11 0218 (CLR) FORMAN, BARR H. General clinical research center-adult-child-Cyclic AMP dynamics in lipostrophic diabetes.
MO1RR-00125-11 0180 (CLR) DONOWITZ, MARK. General clinical research center-adult-child-Glucagon and pancreatic disease.	MO1RR-00125-11 0219 (CLR) FORMAN, BARR H. General clinical research center-adult-child-Hypothalamic-pituitary-gonadal axis in abnormal sex development.
MO1RR-00125-11 0181 (CLR) FELIG, PHILIP. General clinical research center-adult-child-Pancreatic glucagon response in reactive hypoglycemia.	MO1RR-00125-11 0220 (CLR) GENEL, MYRON. General clinical research center-adult-child-Neurotransmitters and hypothalamic-pituitary function in somatotropin deficiency.
MO1RR-00125-11 0182 (CLR) FELIG, PHILIP. General clinical research center-adult-child-Moderate dose of ethyl on glucose tolerance, insulin and glucagon secretion.	MO1RR-00125-11 0221 (CLR) HOFFMAN, LEE I. General clinical research center-adult-child-Positive airway pressure in hyaline membrane disease.
MO1RR-00125-11 0183 (CLR) HAMMOND, G L. General clinical research center-adult-child-Aorta-coronary artery saphenous vein bypass graft.	MO1RR-00125-11 0222 (CLR) HARKAVY, KENNETH. General clinical research center-adult-child-Catheter position and its effect on catheter complications.
MO1RR-00125-11 0184 (CLR) LERNER, AARON B. General clinical research center-adult-child-Therapy for melanoma.	MO1RR-00125-11 0223 (CLR) WARSHAW, JOSEPH B. General clinical research center-adult-child-Supplementary feeding in the premature infant.
MO1RR-00125-11 0185 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Use of 131-119 indocholesterol scanning in evaluation of adrenal disease.	MO1RR-00125-11 0224 (CLR) WARSHAW, JOSEPH B. General clinical research center-adult-child-Endocrine studies in anencephaly.
MO1RR-00125-11 0186 (CLR) MULROW, PATRICK J. General clinical research center-adult-child-Prognostic diagnostic value of propranolol lowering of serum resin.	MO1RR-00125-11 0225 (CLR) RHEE, JOHN. General clinical research center-adult-child-Disaccharide metabolism in chronic diarrhea and failure to thrive.
MO1RR-00125-11 0187 (CLR) MULROW, PATRICK, J. General clinical research center-adult-child-Mechanism of hypertension in diabetes.	MO1RR-00125-11 0226 (CLR) WHITTEMORE, RUTH. General clinical research center-adult-child-Offspring of mothers with congenital heart defects.
MO1RR-00125-11 0188 (CLR) ROSENBERG, LEON. General clinical research center-adult-child-Neurologic-psychologic evaluation in cystinuria.	MO1RR-00125-11 0227 (CLR) BRUNNER, JOEL. General clinical research center-adult-child-Metolazone treatment in congestive heart failure.
MO1RR-00125-11 0189 (CLR) SHEPS, DAVID. General clinical research center-adult-child-Family with carcinoid heart disease and heart murmurs.	MO1RR-00125-11 0228 (CLR) HUTTENLOCHER, PETER R. General clinical research center-adult-child-Ketogenic diets for control of intractable convulsive disorders.
MO1RR-00125-11 0190 (CLR) SPEROFF, LEON. General clinical research center-adult-child-Role of prostaglandins in toxemia of pregnancy.	MO1RR-00125-11 0229 (CLR) HUTTENLOCHER, PETER R. General clinical research center-adult-child-Evaluation of chemotherapy for medulloblastoma.
MO1RR-00125-11 0191 (CLR) SPEROFF, LEON. General clinical research center-adult-child-Role of adrenergic and renin-angiotensin systems in release of prostaglandins.	MO1RR-00125-11 0230 (CLR) HUTTENLOCHER, PETER R. General clinical research center-adult-child-Brain biopsy in diagnosis of progressive cerebral disorders.
MO1RR-00125-11 0192 (CLR) TRONCALE, F J. General clinical research center-adult-child-Synthetic elemental diet in chronic inflammatory bowel disease.	MO1RR-00125-11 0231 (CLR) SHAYWITZ, BENNETT A. General clinical research center-adult-child-Brain monoamine metabolism and neuropsychiatric disorders.
MO1RR-00125-11 0193 (CLR) ZUCKERMAN, E C. General clinical research center-adult-child-Pharmacologic management of action myoclonus.	MO1RR-00125-11 0232 (CLR) LEONARD, MARTHA. General clinical research center-adult-child-Psychophysiologic and psychopathologic disorders in first five years.
MO1RR-00125-11 0194 (CLR) HSIA, YUJEN E. General clinical research center-adult-child-Lactulose treatment of hyperammonemia.	MO1RR-00125-11 0233 (CLR) MAHONEY, MAURICE. General clinical research center-adult-child-Treatment of mucopolysaccharidoses by plasma infusion.
MO1RR-00125-11 0195 (CLR) HSIA, YUJEN E. General clinical research center-adult-child-Phenobarbital induction of bile acid secretion in cholestasis.	MO1RR-00125-11 0234 (CLR) ROSENBERG, LEON E. General clinical research center-adult-child-Evaluation of protein intolerance.
MO1RR-00125-11 0196 (CLR) LUCKY, ANNE W. General clinical research center-adult-child-Copper metabolism in Menke's kinky hair syndrome.	MO1RR-00125-11 0235 (CLR) ROSENBERG, LEON E. General clinical research center-adult-child-Ornithine transcarbamylase deficiency.
MO1RR-00125-11 0197 (CLR) LUCKY, ANNE W. General clinical research center-adult-child-Chronic liver diseases.	MO1RR-00125-11 0236 (CLR) COHEN, DONALD J. General clinical research center-adult-child-Biogenic amines in autistic and atypical children.
MO1RR-00125-11 0198 (CLR) HSIA, YUJEN E. General clinical research center-adult-child-Pseudohypoparathyroidism.	MO1RR-00128-10 (CLR) JANEWAY, CHARLES A. CHILDRENS HOSP MEDICAL CENTER, 300 LONGWOOD AVENUE, BOSTON, MASS. General clinical research center for children.
MO1RR-00125-11 0199 (CLR) PEARSON, HOWARD A. General clinical research center-adult-child-Combination chemotherapy and CNS prophylaxis for acute lymphoblastic leukemia.	MO1RR-00128-10 0003 (CLR) CRIGLER, JOHN F JR. General clinical research center for children-Neuroendocrine function.
MO1RR-00125-11 0200 (CLR) PEARSON, HOWARD A. General clinical research center-adult-child-L-asparaginase therapy for acute lymphoblastic leukemia.	MO1RR-00128-10 0011 (CLR) FULLER, ROBERT M. General clinical research center for children-Parenteral alimentation.
MO1RR-00125-11 0201 (CLR) PEARSON, HOWARD A. General clinical research center-adult-child-Adriamycin therapy in acute leukemia and solid neoplasms.	MO1RR-00128-10 0034 (CLR) ROSEN, FRED S. General clinical research center for children-Plasma vasopermeability factors.
MO1RR-00125-11 0202 (CLR) MCINTOSH, L SUE. General clinical research center-adult-child-Antileukemia effectiveness of combined methotrexate and L-asparaginase.	MO1RR-00128-10 0035 (CLR) ROSEN, FRED S. General clinical research center for children-Antibody deficiency syndromes.
MO1RR-00125-11 0203 (CLR) PEARSON, HOWARD A. General clinical research center-adult-child-Carboxypeptidase G1 in leukemia.	MO1RR-00128-10 0036 (CLR) ROSEN, FRED S. General clinical research center for children-Immunosuppressive therapy in collagen diseases.
MO1RR-00125-11 0204 (CLR) MCINTOSH, L SUE. General clinical research center-adult-child-Erythropoietin production in premature with respiratory distress syndrome.	MO1RR-00128-10 0037 (CLR) ALPER, CHESTER A. General clinical research center for children-Metabolic studies of 1125 and 1131 labeled proteins.
MO1RR-00125-11 0205 (CLR) O'BRIEN, RICHARD T. General clinical research center-adult-child-Ascorbic acid in desferrioxamine induced iron excretion in thalassemia.	MO1RR-00128-10 0039 (CLR) GRAND, RICHARD J. General clinical research center for children-Effect of penicillamine on cirrhosis in Wilson's disease.
MO1RR-00125-11 0206 (CLR) O'BRIEN, RICHARD T. General clinical research center-adult-child-Host defense in sickle cell disease and other hematologic disorders.	MO1RR-00128-10 0043 (CLR) CRIGLER, JOHN F JR. General clinical research center for children-Human gonadotropins and testicular development.
MO1RR-00125-11 0207 (CLR) ASPNES, GREGG T. General clinical research center-adult-child-Chronic infection associated with peripheral neutropenia.	MO1RR-00128-10 0044 (CLR) CRIGLER, JOHN F JR. General clinical research center for children-Kinetics of steroid hormone metabolism.
MO1RR-00125-11 0208 (CLR) PEARSON, HOWARD A. General clinical research center-adult-child-Transfer factor treatment in impaired cellular immunity.	MO1RR-00128-10 0045 (CLR) VILLEE, DOROTHY. General clinical research center for children-Progeria.
MO1RR-00125-11 0209 (CLR) ALBRIGHT, JAMES A. General clinical research center-adult-child-Osteogenesis imperfecta treated with magnesium oxide.	MO1RR-00128-10 0047 (CLR) NATHAN, DAVID G. General clinical research center for children-Metabolism of human blood cells.
MO1RR-00125-11 0210 (CLR) DOLAN, THOMAS F. General clinical research center-adult-child-Efficacy of postural drainage in cystic fibrosis.	MO1RR-00128-10 0048 (CLR) NATHAN, DAVID G. General clinical research center for children-Bone marrow transplantation in bone marrow failure.
MO1RR-00125-11 0211 (CLR) GUR, AYFER F. General clinical research center-adult-child-Effect of hypoalbuminemia on Na^+ reabsorption in nephrotic syndrome.	MO1RR-00128-10 0050 (CLR) GRAND, RICHARD J. General clinical research center for children-Metabolic studies of liver disease.
MO1RR-00125-11 0212 (CLR) LASSMAN, M NATHAN. General clinical research center-adult-child-Endocrines in iron storage associated with thalassemia major.	MO1RR-00128-10 0051 (CLR) SMITH, ARNOLD L. General clinical research center for children-Physiological studies of Reye's syndrome.
MO1RR-00125-11 0213 (CLR) COLLETTI, RICHARD B. General clinical research center-adult-child-The Q-toC interval as an index of hypocalemia.	MO1RR-00128-10 0055 (CLR) LEVEY, RAPHAEL H. General clinical research center for children-Immunological responses of renal transplant recipients.
MO1RR-00125-11 0214 (CLR) GENEL, MYRON. General clinical research center-adult-child-Adrenal and testicular function in male puberty with dehydrogenase deficiency.	MO1RR-00128-10 0056 (CLR) LEVEY, RAPHAEL H. General clinical research center for children-Bone marrow transplantation in immune deficiency.
MO1RR-00125-11 0215 (CLR) GENEL, MYRON. General clinical research center-adult-child-Role of gluconeogenesis in idiopathic hypoglycemia.	MO1RR-00128-10 0057 (CLR) NATHAN, DAVID G. General clinical research center for children-Phagocyte function in humans.
MO1RR-00125-11 0216 (CLR) GENEL, MYRON. General clinical research center-adult-child-Effect of GHG on glucagon and somatomedin in hypopituitarism.	MO1RR-00128-10 0058 (CLR) CRIGLER, JOHN F JR. General clinical research center for children-Idiopathic hypoglycemia.
	MO1RR-00128-10 0059 (CLR) KEANE, JOHN F. General clinical research center for children-Effects of chronic aorta or mitral regurgitation.
	MO1RR-00128-10 0062 (CLR) LAFARGE, GRANT C. General clinical research center for children-Pulmonary hypertension-Flow-resistance relationships.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
M01RR-00128-10 0063 (CLR) ROSEN, FRED S. General clinical research center for children-C3 metabolism.	M01RR-00134-10 0053 (CLR) EKNOYAN, GARABED. General clinical research center-Periactin HClA pharmacokinetic study of impaired renal function (human).
M01RR-00128-10 0064 (CLR) NATHAN, DAVID G. General clinical research center for children-Hemolytic anemia in hemoglobinopathies.	M01RR-00134-10 0055 (CLR) FLEISCHER, NORMAN. General clinical research center-Effect synthetic LH releasing factor on pituitary function in man.
M01RR-00128-10 0065 (CLR) GRAND, RICHARD J. General clinical research center for children-Azathioprine for inflammatory bowel disease.	M01RR-00134-10 0056 (CLR) DUFFY, JOSEPH. General clinical research center-Immunology of hepatitis B antigen carriers (human).
M01RR-00128-10 0067 (CLR) GABBAY, KENNETH H. General clinical research center for children-Diabetic complications.	M01RR-00134-10 0057 (CLR) JORDAN, GEORGE, I JR. General clinical research center-Metabolic interrelations during shock in man.
M01RR-00128-10 0070 (CLR) NADAS, ELEXANDER S. General clinical research center for children-Heart block.	M01RR-00134-10 0058 (CLR) HAUGER-KLEVENE J. General clinical research center-Effect of diuretics on excretion of calcium (human).
M01RR-00128-10 0072 (CLR) BRESNAN, MICHAEL. General clinical research center for children-CSF dynamics in hydrocephalus.	M01RR-00134-10 0059 (CLR) GOYAL, RAJ K. General clinical research center-Effect of various drugs on esophageal motility (human).
M01RR-00128-10 0073 (CLR) LOMBROSO, CESARE T. General clinical research center for children-Non-pharmacological therapy in epilepsy.	M01RR-00134-10 0060 (CLR) BUTTRAM, V C. General clinical research center-Effect of luteinizing hormone releasing factor in anovulatory women.
M01RR-00128-10 0074 (CLR) WOLFF, PETER H. General clinical research center for children-Motor development in infants with congenital brain anomalies.	M01RR-00134-10 0061 (CLR) BUTTRAM, V C. General clinical research center-Diurnal variation in gonadotropin in menopause (human).
M01RR-00128-10 0076 (CLR) WOLFF, PETER H. General clinical research center for children-Cognitive and sensory-motor performance in sex development disorders.	M01RR-00134-10 0062 (CLR) CHENG, JOSE. General clinical research center-Effects of insulin, plasma glucose, lactic acid, fatty acid and glycerol (human).
P06RE-00130-11 (AR) MELBY, EDWARD C, JR, G-52 TRAYLOR BLDG, 720 RUTLAND AVENUE, BALTIMORE, MD. Animal resource support for bio-medical research.	M01RR-00134-10 0063 (CLR) GODWIN, HERMAN A, JR. General clinical research center-Digestion, absorption, and metabolism of conjugated folate (human).
M01RR-00133-10 (CLR) VAN CITTERS, ROBERT L, UNIVERSITY OF WASHINGTON, C304 HEALTH SCIENCES, SEATTLE, WASH. General clinical research center.	M01RR-00134-10 0064 (CLR) GODWIN, HERMAN A JR. General clinical research center-Evaluation of duodenal injury treatment (human).
M01RR-00133-10 0031 (CLR) CUTLER, RALPH E. General clinical research center-Evaluation of renal structure and function (human).	M01RR-00134-10 0065 (CLR) GODWIN, HERMAN A JR. General clinical research center-Thrombokinetics and gastric secretory function in iron deficiency (human).
M01RR-00133-10 0032 (CLR) CHRISTOPHER, T GRAHAM. General clinical research center-Pharmacokinetics of gentamicin in chronic renal failure (human).	M01RR-00134-10 0066 (CLR) DAVIS, VIRGINIA E. General clinical research center-Tetrahydroprotoberberene alkaloids in urine (human).
M01RR-00133-10 0036 (CLR) BIERMAN, EDWIN L. General clinical research center-Lipid metabolism in hyperlipemia and diabetes mellitus (human).	M01RR-00134-10 0067 (CLR) EKNOYAN, GARABED. General clinical research center-Spectrum of renal involvement in drug abuse (human).
M01RR-00133-10 0050 (CLR) GREEN, WILLIAM L. General clinical research center-Secretion and peripheral metabolism of thyroid hormones in man.	M01RR-00134-10 0068 (CLR) EKNOYAN, GARABED. General clinical research center-Idiopathic hypercalciuria (human).
M01RR-00133-10 0053 (CLR) PFLUG, A EUGENE. General clinical research center-Effect of post-operative peridural analgesia on pulmonary therapy (human).	P06RR-00137-10 (AR) COHN, MAURICE L, NATIONAL JEWISH HOSPITAL, 3800 EAST COLFAX AVENUE, DENVER, COLO. Resource strains 2 and 13 guinea pigs.
M01RR-00133-10 0056 (CLR) CHRISTOPHER, T GRAHAM. General clinical research center-Control of body osmolality in diabetics (human).	P06RR-00163-15 (PME) HOLMAN, CHARLES N, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Operation of the Oregon regional primate research center.
M01RR-00133-10 0057 (CLR) CHRISTOPHER, T GRAHAM. General clinical research center-Evaluation of zoxazolyn in hypertension (human).	P06RR-00164-13 (PME) WALSH, JOHN J, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Operation of the Delta regional primate research center.
M01RR-00133-10 0059 (CLR) CUTLER, RALPH E. General clinical research center-Pharmacokinetics of furosemide (human).	P06RR-00165-14 (PME) MYERS, ORIE E, JR, WOODRUFF MEDICAL CENTER, EMORY UNIVERSITY, ATLANTA, G. Support of the Yerkes Regional Primate Research Center.
M01RR-00133-10 0060 (CLR) WALKER, BARBARA C. General clinical research center-Lactose content methods of tube feeding in diarrhea (human).	P06RR-00166-14 (PME) GRAYSTON, J THOMAS, UNIVERSITY OF WASHINGTON, ANNEX 2, ROOM 215 SB-80, SEATTLE, WASH. Regional primate research center at University of Washington.
M01RR-00133-10 0061 (CLR) LINDNER, ARMANDO. General clinical research center-Angiotensin or potassium in renal blood flow and renin secretion (dogs).	P06RR-00167-14 (PME) BOCK, ROBERT M, UNIVERSITY OF WISCONSIN, GRADUATE SCHOOL, MADISON, WIS. Operation of the Wisconsin Regional Primate Research Center (and rats).
M01RR-00133-10 0062 (CLR) ALVAREZ, HERNAN IH. General clinical research center-Survivors of sudden cardiac death (human).	P06RR-00168-13 (PME) EBERT, ROBERT H, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. New England regional primate research center.
M01RR-00133-10 0063 (CLR) CHRISTOPHER, T GRAHAM. General clinical research center-Renal causes for hypertension in bilateral pyelonephritis (human).	P06RR-00169-13 (PME) PRITCHARD, WILLIAM R, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Operation of the National Center for Primate Biology.
M01RR-00133-10 0064 (CLR) BARKER, EDWARD A. General clinical research center-Percutaneous absorption of zinc pyritone (human).	P06RR-00180-10 (PME) CLARKSON, THOMAS B, BOWMAN GRAY SCHOOL OF MEDICINE, WAKE FOREST UNIVERSITY, WINSTON-SALEM, N C. A resource for the study of squirrel monkeys.
M01RR-00133-10 0065 (CLR) WINTER, PETER M. General clinical research center-Platelet kinetics as indicator of early pulmonary oxygen toxicity (human, dogs).	P06RR-00182-10 (AR) MARSHAK, ROBERT R, NEW BOLTON CENTER, KENNETT SQUARE, PA. Herd resource for bovine lymphosarcoma research.
M01RR-00133-10 0066 (CLR) HARKER, LAURENCE A. General clinical research center-Kinetic evaluation of hemostasis (human).	M01RR-00188-10 (CLR) BLATTNER, RUSSELL J, BAYLOR COLLEGE OF MEDICINE, 1200 MOORSUND AVENUE, HOUSTON, TEX. General clinical research center for children.
M01RR-00133-10 0067 (CLR) CHRISTOPHER, T GRAHAM. General clinical research center-Distribution kinetics of water, salt and 125I albumin in normal subjects.	M01RR-00188-10 0001 (CLR) CLAYTON, GEORGE W. General clinical research center for children-Hypopituitary dwarfism.
M01RR-00133-10 0068 (CLR) CUTLER, RALPH E. General clinical research center-Pharmacokinetic study of BB-K8 in renal failure (human).	M01RR-00188-10 0006 (CLR) CLAYTON, GEORGE W. General clinical research center for children-Familial thyroid disease.
M01RR-00133-10 0069 (CLR) CUTLER, RALPH E. General clinical research center-Drug pharmacokinetics, ethambutol (human).	M01RR-00188-10 0013 (CLR) HILL, L LIGHTON. General clinical research center for children-Glomerulonephritis, nephrotic syndrome and homaturia.
M01RR-00133-10 0070 (CLR) LEVY, RENE. General clinical research center-Effect of renal failure on prostestyl excretion (human).	M01RR-00188-10 0018 (CLR) NICHOLS, BUFORD L. General clinical research center for children-Tissue electrolytes in malnutrition.
M01RR-00134-10 (CLR) MERRILL, JOSEPH M, BAYLOR COLLEGE OF MEDICINE, 1200 MOORSUND AVENUE, HOUSTON, TEXAS. General clinical research center.	M01RR-00188-10 0021 (CLR) CLAYTON, GEORGE W. General clinical research center for children-Potassium balance in salt losing adrenogenital syndrome.
M01RR-00134-10 0001 (CLR) BROWN, HAROLD. General clinical research center-Serotonin metabolism (human).	M01RR-00188-10 0031 (CLR) ZION, THOMAS E. General clinical research center for children-Nutritional requirements of hyperkinetic children.
M01RR-00134-10 0036 (CLR) BROWN, HAROLD. General clinical research center-Test of pituitary adrenal function and cortisol metabolism (human).	M01RR-00188-10 0055 (CLR) TABER, LARRY H. General clinical research center for children-Amantadine in subacute sclerosing panencephalitis.
M01RR-00134-10 0038 (CLR) YIUM, JACKSON. General clinical research center-Concentrating and diluting capacity in polycystic kidneys (human).	M01RR-00188-10 0057 (CLR) YOW, MARTHA D. General clinical research center for children-Congenital viral infections.
M01RR-00134-10 0040 (CLR) SUKI, WADI. General clinical research center-Renal effects of zoxazolyn (metolazone) in edema (human).	M01RR-00188-10 0058 (CLR) NIHILL, MICHAEL R. General clinical research center for children-Disorders of blood coagulation.
M01RR-00134-10 0041 (CLR) FLEISHER, NORMAN. General clinical research center-Effect of synthetic thyrotropin releasing factor in man.	M01RR-00188-10 0059 (CLR) LUBRINK, LEON. General clinical research center for children-Effect of androgens on testicular function and morphology.
M01RR-00134-10 0042 (CLR) SUKI, WADI. General clinical research center-Kidney transplant program (human).	M01RR-00188-10 0061 (CLR) MONTGOMERY, JOHN R. General clinical research center for children-Immune deficiency diseases and their reconstitution.
M01RR-00134-10 0043 (CLR) EKNOYAN, GARABED. General clinical research center-Renal changes in viral hepatitis (human).	M01RR-00188-10 0062 (CLR) HILL, REBA M. General clinical research center for children-Toxicological problems of newborns.
M01RR-00134-10 0049 (CLR) CHENG, JOSE. General clinical research center-Effects of diabetes and insulin on plasma lactic acid (human).	M01RR-00188-10 0063 (CLR) NICHOLS, BUFORD L. General clinical research center for children-Disturbances in lysosomal function.
M01RR-00134-10 0050 (CLR) ZANGER, BLOSSOM. General clinical research center-Sickle cell disease (human).	M01RR-00188-10 0064 (CLR) FERRY, GEORGE D. General clinical research center for children-Manometric studies of anorectal disorders.
M01RR-00134-10 0051 (CLR) SHARP, JOHN T. General clinical research center-Plasmapheresis and immunosuppression in Goodpasture's syndrome and SLE (human).	M01RR-00188-10 0067 (CLR) STARLING, KEN A. General clinical research center for children-Immunologic deficiency state in Hodgkin's disease.
M01RR-00134-10 0052 (CLR) SHARP, JOHN. General clinical research center-Granulomatous liver disease in rheumatoid arthritis (human).	M01RR-00188-10 0068 (CLR) NIHILL, MICHAEL R. General clinical research center for children-Platelet survival time in pulmonary vascular obstructivedisease.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00188-10 0071 (CLR) NICHOLS, BUFORD L. General clinical research center for children—Longitudinal evaluation of giant cell hepatitis.
- MO1RR-00188-10 0072 (CLR) HILL, L. LEIGHTON. General clinical research center for children—Renal function studies of renal tubular diseases.
- MO1RR-00188-10 0073 (CLR) ZELLER, ROBERT. General clinical research center for children—Use of middle chain triglycerides in ketogenic diet for epilepsy.
- MO1RR-00188-10 0074 (CLR) KIRKLAND, REBECCA T. General clinical research center for children—Strabismus in hypothyroidism.
- MO1RR-00188-10 0075 (CLR) BEAUDET, ARTHUR L. General clinical research center for children—Biochemical studies of familial mental and/or growth retardation.
- MO1RR-00188-10 0076 (CLR) DESMOND, MURDINA M. General clinical research center for children—Maternal narcotic addiction and infant development.
- MO1RR-00188-10 0077 (CLR) KIRKLAND, JOHN. General clinical research center for children—Isosexual precocious puberty in children with congenital rubella.
- MO1RR-00188-10 0078 (CLR) ZELLER, ROBERT. General clinical research center for children—Copper metabolism in Menke's kinky hair syndrome.
- MO1RR-00188-10 0079 (CLR) CLAYTON, GEORGE W. General clinical research center for children—Inherited eye disease.
- MO1RR-00188-10 0080 (CLR) HILL, L. LEIGHTON. General clinical research center for children—Nephrolithiasis—Calcium homeostasis and hypercalciuria.
- MO1RR-00188-10 0081 (CLR) HILL, L. LEIGHTON. General clinical research center for children—Development of rickets on normal dietary vitamin D.
- MO1RR-00188-10 0082 (CLR) BLATTNER, RUSSELL J. General clinical research center for children—Interaction between small bowel microflora and bile acid metabolism.
- MO1RR-00188-10 0083 (CLR) BLATTNER, RUSSELL J. General clinical research center for children—Nuclear magnetic resonance spectroscopy of neoplastic tissues.
- MO1RR-00199-10 (CLR) NADLER, HENRY L. CHILDRENS MEMORIAL HOSPITAL, 2300 CHILDRENS PLAZA, CHICAGO, ILL. General clinical research center for children.
- MO1RR-00199-10 0020 (CLR) WESSEL, HANS U. General clinical research center for children—Repair of tetralogy of Fallot.
- MO1RR-00199-10 0023 (CLR) O'FLYNN, MARGARET E. General clinical research center for children—Phenylketonuria.
- MO1RR-00199-10 0034 (CLR) GREEN, ORVILLE C. General clinical research center for children—Adrenergic drugs on cystic fibrosis.
- MO1RR-00199-10 0050 (CLR) SHERMAN, JOSEPH O. General clinical research center for children—Parenteral hyperuricemia.
- MO1RR-00199-10 0052 (CLR) GREEN, ORVILLE C. General clinical research center for children—Carbohydrate homeostasis in Hashimoto's thyroiditis.
- MO1RR-00199-10 0055 (CLR) NADLER, HENRY L. General clinical research center for children—Effect of plasma infusion on Hurler's syndrome.
- MO1RR-00199-10 0057 (CLR) BLUMENSCHNIG, SARAH D. General clinical research center for children—Treatment of polycythemia secondary to cyanotic heart disease.
- MO1RR-00199-10 0058 (CLR) SCHULMAN, JEROME L. General clinical research center for children—Management of anorexia nervosa.
- MO1RR-00199-10 0059 (CLR) POLIN, RICHARD. General clinical research center for children—Renal physiology in Lowe's syndrome.
- MO1RR-00199-10 0068 (CLR) NADLER, HENRY L. General clinical research center for children—Fructose 1,6-diphosphatase deficiency.
- MO1RR-00199-10 0061 (CLR) NADLER, HENRY L. General clinical research center for children—Metachromatic leukodystrophy.
- MO1RR-00199-10 0062 (CLR) PACHAMAN, LAUREN. General clinical research center for children—Dermatomyositis.
- MO1RR-00199-10 0043 (CLR) PACHAMAN, LAUREN. General clinical research center for children—Immunological evaluation and reconstitution in deficiency hosts.
- MO1RR-00199-10 0064 (CLR) NADLER, HENRY L. General clinical research center for children—Immunosuppressive therapy for lysosomal enzyme deficiency disorders.
- MO1RR-00199-10 0065 (CLR) KHACHADURIAN, A. K. General clinical research center for children—Evaluation of diet in hypercholesterolemia.
- MO1RR-00199-10 0066 (CLR) KHACHADURIAN, A. K. General clinical research center for children—Hyperlipidemia.
- MO1RR-00199-10 0067 (CLR) KHACHADURIAN, A. K. General clinical research center for children—Ketosis.
- PO6RR-00200-10 (AR) COHEN, BENNETT J., UNIVERSITY OF MICHIGAN, UNIT FOR LABORATORY ANIMAL MED. ANN ARBOR, MICH. A university resource in laboratory animal medicine.
- MO1RR-00210-10 (CLR) ROBBINS, FREDERICK C., CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. General clinical research center—Maternal-child.
- MO1RR-00210-10 0001 (CLR) SCHNATZ, PAUL. General clinical research center—Maternal-child—Long infusion of H3 pregnenolone (human).
- MO1RR-00210-10 0003 (CLR) LITTLE, BRIAN. General clinical research center—Maternal-child—Progesterone production in the reproductive cycle (human).
- MO1RR-00210-10 0004 (CLR) LITTLE, BRIAN. General clinical research center—Maternal-child—Pregnenolone sulfate production (human).
- MO1RR-00210-10 0005 (CLR) NEUMAN, MICHAEL. General clinical research center—Maternal-child—Telemetry of fetal heart rate and uterine pressure (human).
- MO1RR-00210-10 0006 (CLR) LIU, C. C. General clinical research center—Maternal-child—Development of implantable oxygen and carbon dioxide sensors (dogs, human).
- MO1RR-00210-10 0007 (CLR) NEUMAN, MICHAEL. General clinical research center—Maternal-child—Tracking of fetal movement during labor (human).
- MO1RR-00210-10 0009 (CLR) SCHAPER, IRWIN. General clinical research center—Maternal-child—Glycosaminoglycans composition of human placentas.
- MO1RR-00210-10 0010 (CLR) SWEET, AVRON. General clinical research center—Maternal-child—Blood volume and arterial pressures in newborn with hyaline membrane disease.
- MO1RR-00210-10 0013 (CLR) SWEET, AVRON. General clinical research center—Maternal-child—Intravenous alimentation of premature infants (human).
- MO1RR-00210-10 0017 (CLR) KING, KATHERINE. General clinical research center—Maternal-child—Constant rate glucose infusion into stomach of newborn infant (human).
- MO1RR-00210-10 0018 (CLR) KING, KATHERINE. General clinical research center—Maternal-child—Infusion insulin and growth hormone responses to arginine.
- MO1RR-00210-10 0020 (CLR) LITTLE, BRIAN A. General clinical research center—Maternal-child—Amniocentesis and intrauterine transfusion in Rh-sensitized pregnancies.
- MO1RR-00210-10 0021 (CLR) ROUX, JACQUES F. General clinical research center—Maternal-child—Fetal and maternal monitoring of abnormal gestation.
- MO1RR-00210-10 0022 (CLR) KING, KATHERINE. General clinical research center—Maternal-child—Constant rate glucose infusion into pregnant mother during labor and delivery.
- MO1RR-00210-10 0023 (CLR) KING, KATHERINE. General clinical research center—Maternal-child—Metabolic studies in obese pregnant patients.
- MO1RR-00210-10 0024 (CLR) HINES, JOHN. General clinical research center—Maternal-child—Folate abnormalities in pregnancy.
- MO1RR-00210-10 0025 (CLR) ROUX, JACQUES F. General clinical research center—Maternal-child—Changes in fetal scalp tissue oxygen tension during labor and delivery.
- MO1RR-00210-10 0026 (CLR) ADAM, PETER A. J. General clinical research center—Maternal-child—Rate of glucose production and utilization in newborn.
- MO1RR-00210-10 0027 (CLR) ADAM, PETER A. J. General clinical research center—Maternal-child—Human fetal insulin at term gestation—Placental transfer of insulin.
- MO1RR-00210-10 0028 (CLR) LITTLE, BRIAN, A. General clinical research center—Maternal-child—Progesterone metabolism in early pregnancy.
- MO1RR-00210-10 0029 (CLR) NAKAMURA, J. General clinical research center—Maternal-child—Amniotic fluid studies.
- MO1RR-00210-10 0030 (CLR) ADAM, PETER A. J. General clinical research center—Maternal-child—Evaluation of hepatic gluconeogenesis in the fetus (human, dogs).
- MO1RR-00210-10 0031 (CLR) LOWRY, MICHAEL. General clinical research center—Maternal-child—Control of amino acid assimilation in low-birth weight infants.
- MO1RR-00210-10 0032 (CLR) KATONA, PETER. General clinical research center—Maternal-child—Crib death and development of autonomic reflexes.
- MO1RR-00210-10 0033 (CLR) KUSHNER, IRVING. General clinical research center—Maternal-child—Neonatal morbidity and mortality and presence coarctative protein in cord blood.
- MO1RR-00210-10 0034 (CLR) SCHAFER, IRVING. General clinical research center—Maternal-child—Prenatal diagnosis of genetic diseases.
- MO1RR-00210-10 0035 (CLR) LOWRY, MICHAEL. General clinical research center—Maternal-child—Glucose, glucagon and alanine relationship in the newborn.
- MO1RR-00210-10 0036 (CLR) BROWN, EDWIN. General clinical research center—Maternal-child—Speech perception in neonates.
- MO1RR-00210-10 0037 (CLR) LIN, Y. J. General clinical research center—Maternal-child—Progesterone metabolism during menstrual cycle—Influence of estrogen treatment.
- MO1RR-00210-10 0038 (CLR) BUTT, JAMES. General clinical research center—Maternal-child—Protein absorption in maternal and fetal nutrition.
- MO1RR-00210-10 0039 (CLR) LITTLE, BRIAN, A. General clinical research center—Maternal-child—Production rate of estradiol and estrone in third trimester of pregnancy.
- MO1RR-00210-10 0040 (CLR) LITTLE, BRIAN, A. General clinical research center—Maternal-child—Progesterone metabolism in reproduction.
- MO1RR-00210-10 0041 (CLR) SCHNATZ, PAUL. General clinical research center—Maternal-child—Dynamics of ovarian steroid production.
- MO1RR-00210-10 0042 (CLR) ALADJEM, SILVIO. General clinical research center—Maternal-child—Placental pathology—Phase contrast microscopy and fetal monitoring in labor.
- MO1RR-00210-10 0043 (CLR) ROUX, JACQUES F. General clinical research center—Maternal-child—Comparison of dinoprost and oxytocin in labor induction.
- MO1RR-00210-10 0044 (CLR) LITTLE, BRIAN A. General clinical research center—Maternal-child—An anesthetic agent in labor and delivery.
- MO1RR-00210-10 0045 (CLR) SWEET, AVRON. General clinical research center—Maternal-child—Hemodynamic changes on fast and slow exchange transfusion.
- MO1RR-00210-10 0046 (CLR) ROUX, JACQUES F. General clinical research center—Maternal-child—Fetuses of high risk pregnancies (rabbits).
- MO1RR-00210-10 0047 (CLR) ROBERTS, J. S. General clinical research center—Maternal-child—Oxytocin studies in pregnancy.
- MO1RR-00211-10 (CLR) FARMER, T. ALBERT, JR., UNIVERSITY OF TENNESSEE, 62 SOUTH DUNLAP STREET, MEMPHIS, TENN. General clinical research center.
- MO1RR-00211-10 0001 (CLR) KRAUS, ALFRED P. General clinical research center—Sickle cell disease (human).
- MO1RR-00211-10 0005 (CLR) ETTELDORF JAMES N. General clinical research center—Renal parenchymal disease in children.
- MO1RR-00211-10 0011 (CLR) GIVENS, JAMES R. General clinical research center—Primary and secondary amenorrhea (human).
- MO1RR-00211-10 0029 (CLR) JABBOUR J. T. General clinical research center—Subacute sclerosing panencephalitis (human).
- MO1RR-00211-10 0031 (CLR) KITABCHI ABBAS E. General clinical research center—Effect of ACTH and glucocorticoids on insulin and glucagon secretion in man.
- MO1RR-00211-10 0032 (CLR) KITABCHI ABBAS E. General clinical research center—Carbohydrate and catecholamine metabolism in pheochromocytoma (human).
- MO1RR-00211-10 0039 (CLR) KITABCHI ABRAS E. General clinical research center—Clinical and biochemical studies of patients with islet cell adenoma.

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00211-10 0046 (CLR) WOOD, THOMAS O. General clinical research center-2Diagnostic tests in uveitis (human).	MO1RR-00229-09 0051 (CLR) GOTTLIEB, ARIAN J. General clinical research center-Plasma protein abnormalities in Von Willebrand's disease (human).
MO1RR-00211-10 0047 (CLR) GIVENS, JAMES R. General clinical research center-Hirsutism and amenorrhea (human).	MO1RR-00229-09 0052 (CLR) TOMAR, RUSSELL H. General clinical research center-Host defense mechanism (human).
MO1RR-00211-10 0051 (CLR) JABBOUR, J T. General clinical research center-RISA cisternography (human).	MO1RR-00229-09 0053 (CLR) LOURIE, SETH, H. General clinical research center-Prolapse of mitral valve in conjunction with arthritis (human).
MO1RR-00211-10 0052 (CLR) ETTELDORF, JAMES N. General clinical research center-Plasma insulin, proinsulin and nonsuppressible insulin like activity in man.	MO1RR-00229-09 0054 (CLR) LEVINE, ROBERT A. General clinical research center-Effect of para-aminosalicylic acid on serum lipids (human).
MO1RR-00211-10 0053 (CLR) KRAUS, ALFRED P. General clinical research center-Therapy for sickle cell vaso-occlusive crisis (human).	MO1RR-00229-09 0055 (CLR) STREETEN, DAVID H P. General clinical research center-Plasma cortisol concentrations (human).
MO1RR-00211-10 0034 (CLR) MUIRHEAD, ERIC E. General clinical research center-Hypertension SCOR (human).	MO1RR-00229-09 0056 (CLR) STREETEN, DAVID H P. General clinical research center-Bradykinin release in man.
MO1RR-00211-10 0061 (CLR) KITABCHI, ABBAS E. General clinical research center-Effect of dexamethasone on catecholamines and pituitary-adrenal axis in man.	MO1RR-00229-09 0057 (CLR) STREETEN, DAVID H P. General clinical research center-Blood volume in obese subjects (human).
MO1RR-00211-10 0062 (CLR) NUNN, STEWART L. General clinical research center-Hyperbetalipoproteinemia (human).	MO1RR-00229-09 0058 (CLR) SCHROEDER, EDWARD T. General clinical research center-Bone scans in chronic hemodialysis and renal transplant patients.
MO1RR-00211-10 0069 (CLR) WILROY, R S. General clinical research center-Ectopic calcification due to collagen disease (human).	MO1RR-00229-09 0059 (CLR) SCHROEDER, EDWARD T. General clinical research center-Proprietary treatment of renovascular hypertension (human).
MO1RR-00211-10 0071 (CLR) BURGHEN, GEORGE A. General clinical research center-Metabolic alterations in ketotic hypoglycemia (children).	MO1RR-00229-09 0060 (CLR) GOTTLIEB, ARLANE J. General clinical research center-Renal handling of uric acid in malignant disease (human).
MO1RR-00211-10 0074 (CLR) WRUBLE, LAWRENCE. General clinical research center-Hepatic changes in sickle cell anemia (human).	MO1RR-00229-09 0061 (CLR) STEINSCHEIDER, ALFRED. General clinical research center-Sudden infant death syndrome (human).
MO1RR-00211-10 0075 (CLR) LEWIS, MYRON. General clinical research center-Evaluation of techniques to determine gastroesophageal reflux (human).	MO1RR-00229-09 0062 (CLR) SCHNEIDER, ALFRED J. General clinical research center-Treatment of liver failure tyrosinemia and methioninemia (human).
MO1RR-00211-10 0076 (CLR) WRUBLE, LAWRENCE. General clinical research center-Significance of Australia antigen and antibody in contact group (human).	MO1RR-00229-09 0063 (CLR) LAMB, GEORGE A. General clinical research center-Effect of pentostam in cutaneous leishmaniasis (human).
MO1RR-00211-10 0077 (CLR) ACCHIARDO, SERGIO. General clinical research center-Anticoagulants in renal disease (human).	MO1RR-00229-09 0064 (CLR) MOSES, ARNOLD M. General clinical research center-Stimulation and inhibition of ACTH release in pituitary disease (human).
MO1RR-00229-09 (CLR) WILLIAMS, WILLIAM J, UPSTATE MEDICAL CENTER, 766 IRVING AVENUE, SYRACUSE, N Y. General clinical research center.	MO1RR-00229-09 0065 (CLR) MOSES, ARNOLD M. General clinical research center-Assessment of pituitary reserve in pretreatment with dexamethasone (human).
MO1RR-00229-09 0001 (CLR) STREETEN, DAVID H P. General clinical research center-Idiopathic edema (human).	MO1RR-00229-09 0066 (CLR) MILLER, MYRON. General clinical research center-Effect of temperature and dexamethasone on 17-OHCS and somatotropin (human).
MO1RR-00229-09 0002 (CLR) STREETEN, DAVID H P. General clinical research center-Dexamethasone suppression in Cushing's syndrome (human).	MO1RR-00229-09 0067 (CLR) SCHROEDER, EDWARD T. General clinical research center-Effects of albumin infusion on sodium excretion in nephrotic syndrome (human).
MO1RR-00229-09 0003 (CLR) STREETEN, DAVID H P. General clinical research center-Hypo- and hyperkalemic periodic paralysis (human).	PO6RR-00226-10 (AR) BULLOCK, BILL C, WAKE FOREST UNIVERSITY, BOWMAN GRAY SCHOOL OF MEDICINE, WINSTON-SALEM, N C. A resource for the study of laboratory animal diseases.
MO1RR-00229-09 0006 (CLR) SCHROEDER, EDWARD T. General clinical research center-The renin-angiotension system in cirrhosis (human).	MO1RR-00240-10 (CLR) CORNFELD, DAVID, CHILDRENS HOSPITAL, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. General clinical research center-Children.
MO1RR-00229-09 0009 (CLR) STREETEN, DAVID H P. General clinical research center-Renin-angiotensin-aldosterone system in hypertension (human).	MO1RR-00240-10 0031 (CLR) BAKER LESTER. General clinical research center-Children-Hypoglycemia.
MO1RR-00229-09 0011 (CLR) EICH, ROBERT H. General clinical research center-Effect of exercise training in angina pectoris (human).	MO1RR-00240-10 0064 (CLR) SEGAL, STANTON. General clinical research center-Children-Childhood cystinosis.
MO1RR-00229-09 0014 (CLR) MOSES, ARNOLD M. General clinical research center-Functional capacity of the anterior pituitary (human).	MO1RR-00240-10 0067 (CLR) BAKER, LESTER. General clinical research center-Children-Psychosomatic aspects in juvenile diabetes.
MO1RR-00229-09 0016 (CLR) STREETEN, DAVID H P. General clinical research center-Role of chromium in abnormal carbohydrate metabolism (human).	MO1RR-00240-10 0068 (CLR) MINUCHIN, SALVADOR. General clinical research center-Children-Anorexia nervosa.
MO1RR-00229-09 0017 (CLR) MILLER, MYRON. General clinical research center-ADH excretion in abnormal water balance (human).	MO1RR-00240-10 0069 (CLR) MINUCHIN, S. General clinical research center-Children-Psychosomatic aspects of asthma.
MO1RR-00229-09 0024 (CLR) SCHNEIDER, ALBERT J. General clinical research center-Persistent diarrhea in infants (human).	MO1RR-00240-10 0070 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Control and metabolic effects of pituitary hormones.
MO1RR-00229-09 0025 (CLR) SCHNEIDER, A J. General clinical research center-Phenylketonuria (human).	MO1RR-00240-10 0076 (CLR) SEGAL, STANTON. General clinical research center-Children-Folic acid and intestinal galactose metabolizing enzymes.
MO1RR-00229-09 0026 (CLR) VOORHESS, MARY L. General clinical research center-Catecholamine metabolism and neural maturation in children.	MO1RR-00240-10 0077 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Prepubertal gonadal response to HCG.
MO1RR-00229-09 0034 (CLR) STREETEN, DAVID H P. General clinical research center-Pathogenesis of postural hypotension (human).	MO1RR-00240-10 0078 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Adrenal dysfunction.
MO1RR-00229-09 0035 (CLR) EICH, ROBERT H. General clinical research center-Sodium excretion in labile hypertension (human).	MO1RR-00240-10 0079 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Steroid metabolism in male pseudohermaphroditism.
MO1RR-00229-09 0036 (CLR) MOSES, ARNOLD M. General clinical research center-Vasopressin release mechanism (human).	MO1RR-00240-10 0080 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Testosterone metabolism in hypopituitary subject.
MO1RR-00229-09 0037 (CLR) EICH, ROBERT H. General clinical research center-Study of renal metabolism by renal vein catheterization.	MO1RR-00240-10 0081 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Thyroid dysfunction-Hypothalamic-pituitary-thyroid axis.
MO1RR-00229-09 0038 (CLR) SCHROEDER, EDWARD T. General clinical research center-Role of posture in proteinuria, sodium retention in nephrotic syndrome (human).	MO1RR-00240-10 0082 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Inborn errors of tyrosine synthesis.
MO1RR-00229-09 0039 (CLR) EICH, ROBERT H. General clinical research center-Hemodynamics in congestive failure (human).	MO1RR-00240-10 0083 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Detection of carriers of 21 hydroxylase deficiency.
MO1RR-00229-09 0040 (CLR) STREETEN, DAVID H P. General clinical research center-Development of hypopituitarism after yttrium 90 pituitary implant (human).	MO1RR-00240-10 0064 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Fasting hypoglycemia and pituitary disease.
MO1RR-00229-09 0041 (CLR) STREETEN, DAVID H P. General clinical research center-Mechanism of action of opinephrine on sodium excretion (human).	MO1RR-00240-10 0066 (CLR) ROSENBLUND, MARY L. General clinical research center-Children-Zollinger-Ellison syndrome.
MO1RR-00229-09 0042 (CLR) STREETEN, DAVID H P. General clinical research center-Cortisol secretion rate as related to several body parameters (human).	MO1RR-00240-10 0087 (CLR) HOLTZAPPEL, PHILLIP. General clinical research center-Children-High dose steroid therapy in chronic hepatitis.
MO1RR-00229-09 0043 (CLR) SCHROEDER, EDWARD T. General clinical research center-Renal function and metabolism in cadaver renal transplantation (human).	MO1RR-00240-10 0090 (CLR) BAKER, LESTER. General clinical research center-Children-Juvenile diabetes mellitus.
MO1RR-00229-09 0044 (CLR) MOSES, ARNOLD M. General clinical research center-Antidiuretic effect of chlorpropamide (human).	MO1RR-00240-10 0092 (CLR) BAKER, LESTER. General clinical research center-Children-Prediabetes and newly discovered juvenile diabetes.
MO1RR-00229-09 0045 (CLR) STREETEN, DAVID H P. General clinical research center-Effects of sweetening agents on insulin release (human).	MO1RR-00240-10 0094 (CLR) BAKER, LESTER. General clinical research center-Children-Diazoxide and hypoglycemia.
MO1RR-00229-09 0046 (CLR) STREETEN, DAVID H P. General clinical research center-Quantitative evaluation of adrenocortical response to hypoglycemia (human).	MO1RR-00240-10 0095 (CLR) BAKER, LESTER. General clinical research center-Children-Ketotic hypoglycemia.
MO1RR-00229-09 0047 (CLR) AUBRY, RICHARD H. General clinical research center-Urinary nitrogen-Urea nitrogen ratio of protein nutrition in pregnancy (human).	MO1RR-00240-10 0096 (CLR) BAKER, LESTER. General clinical research center-Children-Glycogen storage disease.
MO1RR-00229-09 0048 (CLR) STREETEN, DAVID H P. General clinical research center-Role of bradykinin in a new postural syndrome (human).	MO1RR-00240-10 0097 (CLR) BAKER, LESTER. General clinical research center-Children-Fructose-1,6-diphosphatase enzyme deficiency.
MO1RR-00229-09 0049 (CLR) SCHROEDER, EDWARD T. General clinical research center-Role of intrarenal microvascular thrombosis in renal disease (human).	
MO1RR-00229-09 0050 (CLR) LEVINE, ROBERT A. General clinical research center-Gastrointestinal response to cyclic AMP and prostaglandin A1.	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00240-10 0098 (CLR) BAKER, LESTER. General clinical research center-Children-2-Straptocozin for unremitting hypoglycemia secondary to hyperinsulinism.	MO1RR-00261-09 0051 (CLR) SHEAR, CAROL. General clinical research center-Phenylketonuria and other inborn errors of metabolism (human).
MO1RR-00240-10 0102 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Role of HGH in ACTH control of glucocorticoid secretion.	MO1RR-00261-09 0061 (CLR) SANDBERG, DOUGLAS H. General clinical research center-Glycogen storage disease.
MO1RR-00240-10 0103 (CLR) RASMUSSEN, HOWARD. General clinical research center-Children-Effect of ultra violet light on D and DHT metabolism.	MO1RR-00261-09 0066 (CLR) MINTZ, DANIEL H. General clinical research center-Production rates of HGH in diabetes (human).
MO1RR-00240-10 0104 (CLR) RASMUSSEN, HOWARD. General clinical research center-Children-Hypoparathyroidism secondary to hypomagnesemia.	MO1RR-00261-09 0072 (CLR) SCHIFF, EUGENE. General clinical research center-Bile acid kinetics in humans prone to atherosclerosis.
MO1RR-00240-10 0105 (CLR) RASMUSSEN, HOWARD. General clinical research center-Children-Relationship of PTH to vitamin D metabolism.	MO1RR-00261-09 0073 (CLR) SANDBERG, DOUGLAS H. General clinical research center-Gastrointestinal allergy.
MO1RR-00240-10 0106 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Evaluation of pathogenesis of hypokalemic alkalosis syndromes.	MO1RR-00261-09 0077 (CLR) HARRINGTON, WILLIAM J. General clinical research center-Vincristine therapy for thrombocytopenia (human).
MO1RR-00240-10 0107 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Relationship adrenal cortical dysfunction, epinephrine release and hypoglycemia.	MO1RR-00261-09 0078 (CLR) FAWCETT, NANCY. General clinical research center-Human immune system.
MO1RR-00240-10 0108 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Propranolol therapy for growth retardation.	MO1RR-00261-09 0083 (CLR) ALTMAN, ROY D. General clinical research center-Disodium etidronate and paget's disease.
MO1RR-00240-10 0109 (CLR) HOLTZAPPEL, PHILLIP. General clinical research center-Children-Cerebrohepato-renal syndrome.	MO1RR-00261-09 0084 (CLR) LEMAIRE, WILLIAM J. General clinical research center-Prostaglandin and ovarian function (human).
MO1RR-00240-10 0110 (CLR) BONGIOVANNI, ALFRED M. General clinical research center-Children-Gonadal function in nephrotic children treated with cyclophosphamide.	MO1RR-00261-09 0085 (CLR) HARRINGTON, WILLIAM J. General clinical research center-To enhance tumor rejection by immune lymphocytes (human).
MO1RR-00240-10 0111 (CLR) HOLTZAPPEL, PHILLIP. General clinical research center-Children-Long-term follow-up in Wilson's disease.	MO1RR-00261-09 0086 (CLR) SHEAR, CAROL. General clinical research center-Uric acid metabolism and central nervous system dysfunction (human).
MO1RR-00240-10 0112 (CLR) SPROUJ, MAURICE W. General clinical research center-Children-Causes of unsatisfactory weight gain in colonic replacement of esophagus.	MO1RR-00261-09 0087 (CLR) ZEPPA, ROBERT. General clinical research center-Physiology of portal hypertension and portacaval shunt.
MO1RR-00240-10 0113 (CLR) SCHWARTZ, ELIAS. General clinical research center-Children-Kostman's neutropenia.	MO1RR-00261-09 0088 (CLR) SANDBERG, DOUGLAS H. General clinical research center-Bile acid metabolism in children.
MO1RR-00240-10 0114 (CLR) SCHWARTZ, ELIAS. General clinical research center-Children-Effect of cyanate salts on globin synthesis in Cooley's anemia.	MO1RR-00261-09 0089 (CLR) FAWCETT, NANCY. General clinical research center-Cystinuria (human).
MO1RR-00240-10 0115 (CLR) PLOTKIN, STANLEY. General clinical research center-Children-Treatment of congenital cytomegalovirus and herpes infection.	MO1RR-00261-09 0090 (CLR) CLEVELAND, WILLIAM W. General clinical research center-Familial growth failure (human).
MO1RR-00240-10 0116 (CLR) SEGAL, STANTON. General clinical research center-Children-Study of amino acid metabolism in hyperphenylalaninemia.	MO1RR-00261-09 0091 (CLR) CLEVELAND, WILLIAM W. General clinical research center-Lactic acidosis associated with growth retardation (human).
MO1RR-00240-10 0117 (CLR) BERMAN, PETER. General clinical research center-Children-Ketones as anti-convulsants.	MO1RR-00261-09 0092 (CLR) FISHMAN, LAWRENCE M. General clinical research center-Renin-aldosterone regulation (human).
MO1RR-00240-10 0118 (CLR) NORMAN, MICHAEL E. General clinical research center-Children-Fluid deprivation and pitressin stimulation test.	MO1RR-00261-09 0093 (CLR) CLEVELAND, WILLIAM W. General clinical research center-Hypophosphatasia (human).
MO1RR-00240-10 0119 (CLR) CORNFELD, DAVID. General clinical research center-Children-Effect of propranolol on Bartter's syndrome.	MO1RR-00261-09 0094 (CLR) FULTON, JAMES. General clinical research center-Human epidermal lipogenesis.
PO7RR-00249-09 (SSS) RHODE, WILLIAM S. LABORATORY COMPUTER FACILITY, 83 MEDICAL SCIENCES BUILDING, MADISON, WIS. Support of laboratory computer resources.	MO1RR-00261-09 0095 (CLR) SANDBERG, DOUGLAS H. General clinical research center-BSP-Storage and clearance during childhood.
PO6RR-00251-09 (AR) GREEN, EARL L. JACKSON LABORATORY, BAR HARBOR, MAINE. Rabbit inbred and mutant stock resource.	MO1RR-00261-09 0096 (CLR) HOWELL, DAVID S. General clinical research center-Metabolic studies on human cartilage.
PO7RR-00259-08 (SSS) LEVY, ALLAN H. BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Computational research center program.	MO1RR-00261-09 0097 (CLR) CLEVELAND, WILLIAM W. General clinical research center-Neurological abnormalities in rudimentary testes syndrome (human).
PO7RR-00259-08 0073 (SSS) FREEDMAN, CHARLOTTE. Computational research center program-Documentation and user-oriented publications.	MO1RR-00261-09 0098 (CLR) TAYLOR, ANDREW L. General clinical research center-Amino acid, free fatty acids, insulin in diabetes (human).
PO7RR-00259-08 0079 (SSS) LEVY, ALLAN H. Computational research center program-Medically-oriented information retrieval system.	MO1RR-00261-09 0099 (CLR) CONDRON, COLIN J. General clinical research center-Peripheral unilateral gangrene of extremities in infancy (human).
PO7RR-00259-08 0081 (SSS) MOPPET, CHARLES. Computational research center program-Computer-assisted medical instruction.	MO1RR-00261-09 0100 (CLR) WEINSTEIN, GERALD D. General clinical research center-Psoriasis and cancer (human).
PO7RR-00259-08 0085 (SSS) SEIBERT, BURTON. Computational research center program-Consultation service in biomathematics and statistics.	MO1RR-00261-09 0101 (CLR) EPSTEIN, MURRAY. General clinical research center-Follow-up of renal function after renal failure (human).
PO7RR-00259-08 0086 (SSS) SEIBERT, BURTON. Computational research center program-Training in biomathematics and statistics.	MO1RR-00261-09 0102 (CLR) BROWN, STUART. General clinical research center-Cyclic oculomotor paralysis (human).
PO7RR-00259-08 0089 (SSS) LEVY, ALLAN H. Computational research center program-Systems programming.	MO1RR-00261-09 0103 (CLR) BEJAR, BAPHAEL. General clinical research center-Syndrome of 'virginal hyperplasia' (human).
PO7RR-00259-08 0090 (SSS) LEVY, ALLAN H. Computational research center program-Cooperative activities with other institutions.	MO1RR-00261-09 0104 (CLR) CONLY, PATRICIA. General clinical research center-Chemical diabetes (human).
PO7RR-00259-08 0091 (SSS) SEIBERT, BURTON. Computational research center program-Remote statistical system.	MO1RR-00261-09 0105 (CLR) CONLY, PATRICIA. General clinical research center-Food allergy and excess weight gain in obese children.
PO7RR-00259-08 0092 (SSS) SEIBERT, BURTON. Computational research center program-Statistical research (human).	MO1RR-00261-09 0106 (CLR) LEMAIRE, WILLIAM J. General clinical research center-Function of postpartum corpus luteum (human).
PO7RR-00259-08 0093 (SSS) MCINNIS, BAYLISS. Computational research center program-Modeling of emergency health services.	MO1RR-00261-09 0107 (CLR) HARRINGTON, WILLIAM J. General clinical research center-Adrenal function in megaloblastic anemia (human).
PO7RR-00259-08 0094 (SSS) LEVY, ALLAN H. Computational research center program-Planned software extension-Auto dial support.	MO1RR-00261-09 0108 (CLR) PEREZ, GUIDO O. General clinical research center-Effect of lithium on renal acidification (human).
MO1RR-00261-09 (CLR) PAPPER, EMANUEL M. UNIV OF MIAMI SCHOOL OF MED, P O BOX 875, BISCAYNE ANNEX, MIAMI, FLA. General clinical research center.	MO1RR-00261-09 0109 (CLR) MARTELO, O J. General clinical research center-Pathogenesis of nephrotic syndrome in Waldenström's macroglobulinemia (human).
MO1RR-00261-09 0010 (CLR) BOUCEK, ROBERT J. General clinical research center-Diagnosis of connective tissue disorders (human).	MO1RR-00261-09 0110 (CLR) LEMAIRE, WILLIAM J. General clinical research center-Use of LH releasing hormone pituitary diagnosis (human).
MO1RR-00261-09 0026 (CLR) CLEVELAND, WILLIAM W. General clinical research center-Evaluation of the III-IV pharyngeal pouch syndrome (human).	MO1RR-00261-09 0111 (CLR) OOTTLIEB, NORMAN L. General clinical research center-Rheumatoid arthritis (human).
MO1RR-00261-09 0029 (CLR) SHEAR, CAROL. General clinical research center-The de Lange syndrome (human).	MO1F2-00262-09 (CLR) MURPHY, GERALD P. ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. General clinical research center.
MO1RR-00261-09 0035 (CLR) SANDBERG, DOUGLAS H. General clinical research center-Heal bypass in familial hypercholesterolemia (human).	MO1RR-00262-09 0001 (CLR) SOKAL, JOSEPH E. General clinical research center-Splenectomy in malignant lymphoma (human).
MO1RR-00261-09 0036 (CLR) SANDBERG, DOUGLAS H. General clinical research center-Hypoproteinemia and protein-losing enteropathy (human).	MO1RR-00262-09 0002 (CLR) SOKAL, JOSEPH E. General clinical research center-Splenectomy in chronic myelocytic leukemia (human).
MO1RR-00261-09 0048 (CLR) EPSTEIN, MURRAY. General clinical research center-Renin-aldosterone responsiveness to abnormal volume regulation (human).	MO1RR-00262-09 0004 (CLR) MITTELMAN, ARNOLD. General clinical research center-Exploratory laparotomy in staging of malignant lymphoma (human).
MO1RR-00261-09 0049 (CLR) WEINSTEIN, GERALD D. General clinical research center-Hepatotoxicity from use of methotrexate in psoriasis (human, mice).	MO1RR-00262-09 0008 (CLR) MITTELMAN, ARNOLD. General clinical research center-Nucleic acid metabolism in surgical patients.
	MO1RR-00262-09 0009 (CLR) MITTELMAN, ARNOLD. General clinical research center-Urinary pseudouridine, N6-purinyI carbamoyl threonine in tRNA turnover (human).
	MO1RR-00262-09 0014 (CLR) CHHEDA, GIRISH. General clinical research center-Biologic reactivity of naturally occurring nucleosides (human, rats).
	MO1RR-00262-09 0016 (CLR) LIU, K. General clinical research center-Blood preservation in liquid state (human).
	MO1RR-00262-09 0018 (CLR) ELIAS, E G. General clinical research center-Effect of mithramycin on Paget's disease (human).
	MO1RR-00262-09 0028 (CLR) JONES, RALPH JR. General clinical research center-Treatment of depression in relative of patient with catastrophic illness (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00262-09 0030 (CLR) AMBRUS, CLARA M. General clinical research center-Prevention of hyaline membrane disease (human).

MO1RR-00262-09 0031 (CLR) AMBRUS, CLARA M. General clinical research center-Plasmin inhibitors in diabetes (human).

MO1RR-00262-09 0032 (CLR) AMBRUS, CLARA M. General clinical research center-Active and passive protection against gram-negative infections (human).

MO1RR-00262-09 0037 (CLR) MURPHY, GERALD P. General clinical research center-Use of oral estracyt in prostatic carcinoma (human).

MO1RR-00262-09 0038 (CLR) AUNGST, C WILLIAM. General clinical research center-New steroidal alkylating agent-LEO 1031 (human).

MO1RR-00262-09 0039 (CLR) KIRDANI, RASHAD. General clinical research center-Simultaneous metabolism of C14 estradiol and H3 estracyt in man.

MO1RR-00262-09 0040 (CLR) HOLYOKE, EDWARD D. General clinical research center-Variations of carcino-embryonic antigen after surgery (human).

MO1RR-00262-09 0041 (CLR) AMBRUS, CLARA. General clinical research center-Hyperfibrinogenemia and thromboembolic disease in surgical patients.

MO1RR-00262-09 0042 (CLR) HAN, TIN. General clinical research center-Transfer of delayed hypersensitivity in man with human immune RNA.

MO1RR-00262-09 0048 (CLR) CHHEDA, GIRISH, B. General clinical research center-Urinary nucleosides in surgical patients.

MO1RR-00262-09 0044 (CLR) ELIAS, ELIAS G. General clinical research center-Anticoagulation as an adjuvant to chemotherapy (human).

MO1RR-00262-09 0045 (CLR) DOUGLASS, HAROLD O. General clinical research center-Evaluation of new compounds in colonic cancer.

MO1RR-00262-09 0046 (CLR) BROUGAROLAS, ANTONIO. General clinical research center-HG-benzyladenosine in chemotherapy (human).

MO1RR-00262-09 0047 (CLR) MITTELMAN, ARNOLD. General clinical research center-Phase I study of a cytotoxic analog-Isophosphamide (human).

MO1RR-00262-09 0048 (CLR) MITTELMAN, ARNOLD. General clinical research center-Phase II study of treatment of renal cell carcinoma (human).

MO1RR-00262-09 0049 (CLR) DOUGLASS, HAROLD O. General clinical research center-Use of imidazole carboxamide, dimethyl triazino in malignant melanoma (human).

MO1RR-00262-09 0050 (CLR) KAUFMAN, JEROME. General clinical research center-Methyl CCNU streptozotocin, 5-FU, cyclophosphamide in pancreatic cancer (human).

MO1RR-00262-09 0051 (CLR) KAUFMAN, JEROME. General clinical research center-Streptozotocin in treatment of islet cell carcinoma (human).

MO1RR-00262-09 0052 (CLR) SAMPSON, DEREK. General clinical research center-Etiology of hypertension after renal transplant (human).

MO1RR-00262-09 0053 (CLR) PRESSMAN, DAVID. General clinical research center-Serum immunoglobulins and complement levels in renal transplant rejection (human).

MO1RR-00262-09 0054 (CLR) MURPHY, GERALD P. General clinical research center-Thromboembolic disorders (human).

MO1RR-00262-09 0055 (CLR) MURPHY, GERALD P. General clinical research center-Tritylcysteine (NSC 83265) metabolism (dogs).

MO1RR-00262-09 0056 (CLR) MURPHY, GERALD P. General clinical research center-Phase I study of diglycolaldehyde (human).

P07RR-00267-09 (SSS) ACKERMAN, EUGENE, UNIVERSITY OF MINNESOTA, BOX 511, MAYO MEMORIAL BLDG, MINNEAPOLIS, MINN. Biomedical data processing unit.

P07RR-00267-09 0013 (SSS) BRIGGS, PETER. Biomedical data processing unit-MMPI box form scoring.

P07RR-00267-09 0014 (SSS) BRUDVIG, GLENN L. Biomedical data processing unit-Biomedical library serials control system.

P07RR-00267-09 0026 (SSS) FRANTZ, IVAN. Biomedical data processing unit-Minnesota coronary survey.

P07RR-00267-09 0038 (SSS) HILLER, ROBERT. Biomedical data processing unit-Vital statistics reports.

P07RR-00267-09 0041 (SSS) KEENAN, K. Biomedical data processing unit-Orthodontics billing.

P07RR-00267-09 0073 (SSS) TORRES, F. Biomedical data processing unit-Visual evoked responses and carotid compression (human).

P07RR-00267-09 0079 (SSS) ACKERMAN, EUGENE. Biomedical data processing unit-Blood glucose regulation.

P07RR-00267-09 0080 (SSS) ACKERMAN, EUGENE. Biomedical data processing unit-BRANCHT-A system for branching logic.

P07RR-00267-09 0081 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-System software maintenance.

P07RR-00267-09 0082 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-General communications system.

P07RR-00267-09 0083 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-Network operation system.

P07RR-00267-09 0084 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-CRT operating system (CRTOS).

P07RR-00267-09 0085 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-Basic.

P07RR-00267-09 0086 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-MIMO-Interactive modeling language.

P07RR-00267-09 0087 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-Mass storage backup.

P07RR-00267-09 0088 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-Computer performance measurement and evaluation.

P07RR-00267-09 0089 (SSS) DIFFLEY, MICHAEL W. Biomedical data processing unit-Graphics terminal.

P07RR-00267-09 0090 (SSS) GAGE, JOHN. Biomedical data processing unit-Diagnostic system for a pediatric renal clinic.

P07RR-00267-09 0091 (SSS) KLEE, GEORGE. Biomedical data processing unit-Computer detection of aortic pressure signals.

P07RR-00267-09 0092 (SSS) JOHNSON, EUGENE. Biomedical data processing unit-Multivariate classification algorithms.

P07RR-00267-09 0093 (SSS) MOORE, RICHARD. Biomedical data processing unit-Cellular membrane permeability (human).

P07RR-00267-09 0094 (SSS) ACKERMAN, EUGENE. Biomedical data processing unit-Simulation and resolution of chromatographic peaks.

P07RR-00267-09 0095 (SSS) RECTOR, ALAN. Biomedical data processing unit-MISER-A system for automated diagnosis.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P07RR-00267-09 0096 (SSS) MOORE, RICHARD. Biomedical data processing unit-Coronary revascularization study.

P07RR-00267-09 0097 (SSS) CRABO, RO G. Biomedical data processing unit-Sperm maturation (swine, human).

P07RR-00267-09 0098 (SSS) BLVEBACK, LILA R. Biomedical data processing unit-Stochastic simulation of virus epidemics.

P07RR-00267-09 0099 (SSS) EBERT, RICHARD V. Biomedical data processing unit-Hospital cost survey.

P07RR-00267-09 0100 (SSS) FAHS, IVAN. Biomedical data processing unit-Surgical service for United States.

P07RR-00267-09 0101 (SSS) ISAACSON, ROBERT J. Biomedical data processing unit-Quantitation of jaw function.

P07RR-00267-09 0102 (SSS) JACOBSEN, JIM L. Biomedical data processing unit-Bilateral comparison of average evoked potentials.

P07RR-00267-09 0103 (SSS) KJELBERG, MARCUS. Biomedical data processing unit-Coronary prevention project.

P07RR-00267-09 0104 (SSS) MOORE, RICHARD. Biomedical data processing unit-Heart wall contraction pattern in heart disease patient and normal subjects.

P07RR-00267-09 0105 (SSS) ROGER, FRANCIS. Biomedical data processing unit-Serum LDH evaluation (human).

P07RR-00267-09 0106 (SSS) TRELOAR, ALAN. Biomedical data processing unit-Menstrual and reproductive history.

P07RR-00267-09 0107 (SSS) ANDERS, M W. Biomedical data processing unit-Stereochemistry of microsomal drug metabolism.

P07RR-00267-09 0108 (SSS) BORN, DAVID O. Biomedical data processing unit-Dental information service center.

P07RR-00267-09 0109 (SSS) BORAAS, BRUCE A. Biomedical data processing unit-TSS user's manual.

P07RR-00267-09 0110 (SSS) DASGUPTA, PRITHWIS. Biomedical data processing unit-Two-sex models of population growth.

P07RR-00267-09 0111 (SSS) DIETZMAN, R. Biomedical data processing unit-Post traumatic pulmonary insufficiency.

P07RR-00267-09 0112 (SSS) FOLEY, GREG. Biomedical data processing unit-Air quality monitoring.

P07RR-00267-09 0113 (SSS) GOETZ, F C. Biomedical data processing unit-Clinical research.

P07RR-00267-09 0114 (SSS) GROSZ, J. Biomedical data processing unit-Physical medicine and rehabilitation.

P07RR-00267-09 0115 (SSS) HILLER, ROBERT. Biomedical data processing unit-Hospital services.

P07RR-00267-09 0116 (SSS) KEENAN, K. Biomedical data processing unit-Orthodontics patient record.

P07RR-00267-09 0117 (SSS) LAZAROW, ARWOLD. Biomedical data processing unit-Current awareness service.

P07RR-00267-09 0118 (SSS) MOORE, VAUGHN C. Biomedical data processing unit-Radiation therapy treatment planning program.

P07RR-00267-09 0119 (SSS) NELSON, RODGER A. Biomedical data processing unit-Spectral analysis in photosynthetic bacteria.

P07RR-00267-09 0120 (SSS) OSTENBY, V. Biomedical data processing unit-Automated blood bank system.

P07RR-00267-09 0121 (SSS) RUPPRECHT, P. Biomedical data processing unit-Student health service questionnaire.

P07RR-00267-09 0122 (SSS) SHAPIRO, F. Biomedical data processing unit-Community dialysis center.

P07RR-00267-09 0123 (SSS) SIEGEL, LEIGHTON. Biomedical data processing unit-National registry for idiopathic sudden deafness.

P07RR-00267-09 0124 (SSS) WETLAUFER, D B. Biomedical data processing unit-Structural principles in globular proteins.

P07RR-00267-09 0125 (SSS) BEMBORN, DONALD A. Biomedical data processing unit-Renal structure and function in wild and domestic mice.

P07RR-00267-09 0126 (SSS) BERGH, GEORGE. Biomedical data processing unit-Aortic model studies.

P07RR-00267-09 0127 (SSS) BOEN, JAMES R. Biomedical data processing unit-Biometry consulting seminar.

P07RR-00267-09 0128 (SSS) GIGANTI, JOSEPH. Biomedical data processing unit-External beam radiotherapy.

P07RR-00267-09 0129 (SSS) HEATH, RICHARD. Biomedical data processing unit-Biomedical computing.

P07RR-00267-09 0130 (SSS) HOLZ, HOWARD. Biomedical data processing unit-Multiple regression on air pollution weather data.

P07RR-00267-09 0131 (SSS) JIN, DONGGYU. Biomedical data processing unit-Transport properties of the membrane.

P07RR-00267-09 0132 (SSS) MOORE, ALAN. Biomedical data processing unit-Automated calculation of xenon clearance.

P07RR-00267-09 0133 (SSS) WOLFENSON, LEWIS. Biomedical data processing unit-Computer system for cardiac catheterization.

P07RR-00267-09 0134 (SSS) BREKHUS, E H. Biomedical data processing unit-Computer time-sharing systems to library school students.

P07RR-00267-09 0135 (SSS) DAIS, JACK L. Biomedical data processing unit-Personal rapid transit system.

P07RR-00267-09 0136 (SSS) NELSON, ROGER. Biomedical data processing unit-Analysis of photosynthetic bacteria.

P07RR-00267-09 0137 (SSS) ROSEYEAR, JOHN. Biomedical data processing unit-Kallestead computer education.

P07RR-00267-09 0138 (SSS) DUNHAM, EARL. Biomedical data processing unit-Release and vascular effects of prostaglandins.

P06RR-00272-09 (AR) COHN, ISIDORE, JR, LOUISIANA STATE UNIV, 1542 TULANE AVENUE, NEW ORLEANS, LA. Germ free facility-LSU school of medicine.

P07RR-00273-09 (SSS) ABRAMS, RICHARD, UNIVERSITY OF PITTSBURGH, 130 DE SOTO STREET, PITTSBURGH, PA. Mass spectrometric facility for biomedical research.

P07RR-00273-09 0001 (SSS) CAMPBELL, IAN M. Mass spectrometric facility for biomedical research-Core research in secondary metabolism (penicillium brevicompactum).

P07RR-00273-09 0002 (SSS) MCMANUS, I R. Mass spectrometric facility for biomedical research-Studies on muscular dystrophy (chickens, mice).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PO7RR-00273-09 0003 (SSS) BASPORD, R. Mass spectrometric facility for biomedical research—Biochemical changes in alveolar macrophages in response to foreign particles.

PO7RR-00273-09 0004 (SSS) BENTLEY, R. Mass spectrometric facility for biomedical research—Mollisin biosynthesis (mollisia caesia).

PO7RR-00273-09 0005 (SSS) HO, C. Mass spectrometric facility for biomedical research—Biological membranes (bacteria).

PO7RR-00273-09 0006 (SSS) MORGAN, M. Mass spectrometric facility for biomedical research—Malfunction of cardiac valve.

PO7RR-00273-09 0007 (SSS) SUEBA, J F. Mass spectrometric facility for biomedical research—Melanin biosynthesis (cephalopods, mice).

PO7RR-00273-09 0008 (SSS) ABRAMS, RICHARD. Mass spectrometric facility for biomedical research—Deoxyribonucleotide pools in DNA replication control (HeLa cells, hamsters).

PO7RR-00273-09 0009 (SSS) VAUGHAN, MAURICE H. Mass spectrometric facility for biomedical research—Effect of valine deprivation on the small molecule metabolism of HeLa cells.

PO7RR-00273-09 0010 (SSS) PETERSON, E N. Mass spectrometric facility for biomedical research—Uterine and placental blood flow in pregnancy (rabbits, human).

PO7RR-00273-09 0011 (SSS) SCOMMEGNA, A. Mass spectrometric facility for biomedical research—Placental hormone biosynthesis.

PO7RR-00273-09 0012 (SSS) PINKUS, J. Mass spectrometric facility for biomedical research—Deuterium labeled steroids for studies in humans.

PO7RR-00273-09 0013 (SSS) LEVITT, M. Mass spectrometric facility for biomedical research—Prostaglandin analysis.

PO7RR-00273-09 0014 (SSS) SCHUBERT, J. Mass spectrometric facility for biomedical research—Gamma irradiation of sugar.

PO7RR-00273-09 0015 (SSS) MOKOTOFF, M. Mass spectrometric facility for biomedical research—Potential inhibitors of asparagine biosynthesis (rats).

PO7RR-00273-09 0016 (SSS) KINZEL, Mass spectrometric facility for biomedical research—Metabolic pathways used by microorganisms to assimilate hydrocarbons.

PO7RR-00273-09 0017 (SSS) ABRAMS, RICHARD. Mass spectrometric facility for biomedical research—Biochemical roles of lipids in normal and malignant tissue (E coli, cattle).

PO7RR-00273-09 0018 (SSS) HEATH, E. Mass spectrometric facility for biomedical research—Biosynthesis of glycoproteins (mice).

PO7RR-00273-09 0019 (SSS) KOSLOW, J. Mass spectrometric facility for biomedical research—Analysis of environmental samples for trace organics.

PO7RR-00273-09 0020 (SSS) MOKOTOFF, M. Mass spectrometric facility for biomedical research—Azabicyclo chemistry.

PO7RR-00273-09 0021 (SSS) SAX, M. Mass spectrometric facility for biomedical research—Solid state conformation of methyl abscisate.

PO7RR-00273-09 0022 (SSS) SUIDA, J F. Mass spectrometric facility for biomedical research—Naturally occurring organo-halogen compounds.

PO7RR-00276-09 (COM) NEILSEN, IVAN R, LOMA LINDA UNIVERSITY, SCIENTIFIC COMPUTATION FACIL, LOMA LINDA, CALIF. Development of biomedical computation facility.

MO1RR-00284-08 (CLR) PARROTT, ROBERT H, CHILDRENS HOSPITAL OF D C, 2125 13TH STREET, N W, WASHINGTON, D C. General clinical research center-pediatric.

MO1RR-00284-08 0007 (CLR) AUGUST, GILBERT P. General clinical research center-pediatric—Collagen metabolism in growth failure.

MO1RR-00284-08 0011 (CLR) MALONE, MICHAEL J. General clinical research center-pediatric—Effect of vitamin A on metachromic and globoid leucodystrophy.

MO1RR-00284-08 0030 (CLR) CYTRYN, LEON. General clinical research center-pediatric—Affective disorders of childhood.

MO1RR-00284-08 0033 (CLR) PARROTT, ROBERT H. General clinical research center-pediatric—Respiratory syncytial virus vaccine study.

MO1RR-00284-08 0035 (CLR) LEIKIN, SANFORD. General clinical research center-pediatric—Treatment of muco-cutaneous molliasis.

MO1RR-00284-08 0046 (CLR) SCOTT, LEWIS P. General clinical research center-pediatric—Arterial vasospastic disorders of extremities.

MO1RR-00284-08 0047 (CLR) AUGUST, GILBERT P. General clinical research center-pediatric—Hypoglycemia—Hormonal and metabolic correlates.

MO1RR-00284-08 0048 (CLR) MALONE, MICHAEL J. General clinical research center-pediatric—Trial of medium chain triglycerides in intractable convulsive disorders.

MO1RR-00284-08 0049 (CLR) JUDSON, RANDOLPH. General clinical research center-pediatric—Jejunioileal bypass for obese adolescents.

MO1RR-00284-08 0050 (CLR) FLETCHER, ANNE P. General clinical research center-pediatric—Aminoacidurias.

MO1RR-00284-08 0051 (CLR) AUGUST, GILBERT P. General clinical research center-pediatric—Role of growth hormone in cyclic nucleotide metabolism.

MO1RR-00284-08 0052 (CLR) LILLY, JOHN R. General clinical research center-pediatric—Organ transplantation.

MO1RR-00284-08 0053 (CLR) LILLY, JOHN R. General clinical research center-pediatric—Congenital biliary atresia.

MO1RR-00284-08 0054 (CLR) KANDOLPH, JUDSON. General clinical research center-pediatric—Gastric tube as esophageal substitute.

MO1RR-00284-08 0055 (CLR) AUGUST, GILBERT P. General clinical research center-pediatric—Disorders of bone—Mineral and hormone metabolism.

MO1RR-00284-08 0056 (CLR) LILLY, JOHN R. General clinical research center-pediatric—Peripheral hyperplimentation in regional arthritis.

MO1RR-00284-08 0057 (CLR) SCOTT, LEWIS. General clinical research center-pediatric—Stress testing in aortic stenosis.

MO1RR-00284-08 0058 (CLR) PARROTT, ROBERT H. General clinical research center-pediatric—Influenza recombinant vaccine.

MO1RR-00287-08 (CLR) MAYER, WILLIAM D, UNIVERSITY OF MISSOURI, SCHOOL OF MEDICINE, COLUMBUS, MO. General clinical research center.

MO1RR-00287-08 0002 (CLR) BRUBAKER, LEONARD H. General clinical research center—Neutrophil survival in paroxysmal nocturnal hemoglobinuria (human).

MO1RR-00287-08 0004 (CLR) BURNS, THOMAS W. General clinical research center—Adrenergic receptor sites in regulation of fat mobilization (human).

MO1RR-00287-08 0005 (CLR) BURNS, THOMAS W. General clinical research center—Glucose homeostasis in diabetes (human).

MO1RR-00287-08 0006 (CLR) DEXTER, JAMES D. General clinical research center—Variation of amines in nocturnal migraine (human).

MO1RR-00287-08 0008 (CLR) MENDEL, CHARLES E. General clinical research center—Malignant carcinoid syndrome (human).

MO1RR-00287-08 0011 (CLR) NOLPH, KARL D. General clinical research center—Small molecular weight solute transport during peritoneal dialysis (human).

MO1RR-00287-08 0012 (CLR) WINSHIP, DANIEL H. General clinical research center—Acid loss in duodenum (human).

MO1RR-00287-08 0016 (CLR) SHARP, GORDON C. General clinical research center—Adrenal steroid and cyclophosphamide in lupus erythematosus nephritis (human).

MO1RR-00287-08 0018 (CLR) JACKSON, ROBERT L. General clinical research center—Children with chemical diabetes.

MO1RR-00287-08 0021 (CLR) DEWESSE, MARION S. General clinical research center—Appraisal of postoperative morbidity of vena cava filter (human).

MO1RR-00287-08 0023 (CLR) HENZEL, JOHN H. General clinical research center—Trace metals and enzymes in healing wounds (human).

MO1RR-00287-08 0031 (CLR) ANAST, CONSTANTINE S. General clinical research center—Magnesium-parathyroid relationships (human).

MO1RR-00287-08 0033 (CLR) NOLPH, KARL D. General clinical research center—Determination of rate of ultrafiltration through coil hemodialyzers (human).

MO1RR-00287-08 0034 (CLR) BRUBAKER, LEONARD H. General clinical research center—Neutrophil survival in neutropenia (human).

MO1RR-00287-08 0035 (CLR) KEITZER, W FORD. General clinical research center—Surgical reversal of hypertension (human).

MO1RR-00287-08 0036 (CLR) BRUBAKER, LEONARD. General clinical research center—Neutrophilia in uremic patients on hemodialysis.

MO1RR-00287-08 0037 (CLR) HENRY, PATRICK H. General clinical research center—Acute leukemia group B cancer chemotherapy protocol (human).

MO1RR-00287-08 0038 (CLR) TERRY, BOYD E. General clinical research center—Control of morbid obesity by intestinal bypass (human).

MO1RR-00287-08 0039 (CLR) GRIM, CLARENCE E. General clinical research center—Renin-angiotensin-aldosterone system in renal hypertension (human).

MO1RR-00287-08 0040 (CLR) WINSHIP, DANIEL H. General clinical research center—Esophageal motor function in neuromuscular disorders (human).

MO1RR-00287-08 0041 (CLR) WINSHIP, DANIEL H. General clinical research center—Measurements of esophageal blood flow (dogs, human).

MO1RR-00287-08 0043 (CLR) MAHER, JOHN F. General clinical research center—Immunologic and hemodynamic study of transplanted kidney (human).

MO1RR-00287-08 0045 (CLR) GRIM, CLARENCE E. General clinical research center—Effects of deoxycorticosterone acetate in normal man.

MO1RR-00287-08 0050 (CLR) BRUBAKER, LEONARD H. General clinical research center—Neutrophil lytic antibody in paroxysmal nocturnal hemoglobinuria (human).

MO1RR-00287-08 0051 (CLR) DEXTER, JAMES D. General clinical research center—Seizure frequency during first hour after waking (human).

MO1RR-00287-08 0052 (CLR) ANAST, CONSTANTINE S. General clinical research center—Localization of abnormal parathyroid tissue (human).

MO1RR-00287-08 0053 (CLR) ANAST, CONSTANTINE S. General clinical research center—Plasma calcitonin and parathyroid in thyroid disorders (human).

MO1RR-00287-08 0064 (CLR) DURKIN, MARTIN G. General clinical research center—Physiologic studies of gastrin in man.

MO1RR-00287-08 0055 (CLR) JACKSON, ROBERT L. General clinical research center—Tolbutamide treatment for children with chemical diabetes.

MO1RR-00287-08 0056 (CLR) JACKSON, ROBERT L. General clinical research center—Insulin reserve in juvenile diabetes.

MO1RR-00287-08 0057 (CLR) MAHER, JOHN F. General clinical research center—Adrenal steroid and antimetabolite therapy in nephrotic syndrome (human).

MO1RR-00287-08 0058 (CLR) MAHER, JOHN F. General clinical research center—Altered glomerulotubular balance in kidney disease.

MO1RR-00287-08 0059 (CLR) NOLPH, KARL D. General clinical research center—Protein binding in uremia (human).

MO1RR-00287-08 0068 (CLR) SHARP, GORDON C. General clinical research center—Mixed connective tissue disease (human).

MO1RR-00287-08 0061 (CLR) SHARP, GORDON C. General clinical research center—Drug induced systemic lupus erythematosus (human).

MO1RR-00287-08 0062 (CLR) SHARP, GORDON C. General clinical research center—Therapy of early systemic lupus erythematosus nephritis.

MO1RR-00287-08 0083 (CLR) SHARP, GORDON C. General clinical research center—CSF complement in nervous system diseases (human).

MO1RR-00287-08 0064 (CLR) WINNACKER, JOHN L. General clinical research center—Calcitonin, parathyroid hormone and vitamin D in osteopetrosis (human).

MO1RR-00287-08 0065 (CLR) WINSHIP, DANIEL H. General clinical research center—Familial liver disease (human).

PO7RR-00291-09 (COM) LUBOWSKY, JACK S U N Y - DOWNSTATE MED CTR, 450 CLARKSON AVENUE, BROOKLYN, N Y. Biomathematical computer research center.

PO7RR-00292-09 (BABC) BOTHNER-BY, AKSEL A, M P C CORPORATION, 4400 FIFTH AVENUE, PITTSBURGH, PA. NMR facility for biomedical studies.

PO6RR-00294-09 (AR) POLLARD, MORRIS, UNIVERSITY OF NOTRE DAME, NOTRE DAME, IND. Development and maintenance of germfree animal colonies (mice, rats, marmosets).

RO1RR-00301-09 (AR) WISSLER, ROBERT W, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Registry of comparative pathology (animals).

MO1RR-00305-08 (CLR) DORFMAN, ALBERT, UNIVERSITY OF CHICAGO, 950 EAST 59TH STREET, CHICAGO, ILL. Clinical research center for children.

MO1RR-00305-08 0083 (CLR) ARCILLA, RENE A. Clinical research center for children—Ventricular function in congenital and acquired heart disease (dogs, human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00305-08 0009 (CLR) ROSENFELD, ROBERT L. Clinical research center for children—Plasma corticoids as index of response in metapirone test.	MO1RR-00305-08 0087 (CLR) KALLEN, R. J. Clinical research center for children—Effect of furosemide on renal electrolyte transport in nephrotic edema.
MO1RR-00305-08 0010 (CLR) ROSENFELD, ROBERT L. Clinical research center for children—Physiologic interrelationship of adrenal and gonadal androgenic function.	MO1RR-00305-08 0088 (CLR) KALLEN, G. J. Clinical research center for children—Immunosuppressive treatment of progressive renal disease.
MO1RR-00305-08 0011 (CLR) THORP, FRANK K. Clinical research center for children—Proinsulin metabolism in juvenile diabetes.	MO1RR-00305-08 0009 (CLR) KALLEN, R. J. Clinical research center for children—The Fanconi syndrome, including cystinosis.
MO1RR-00305-08 0014 (CLR) ROSENFELD, ROBERT L. Clinical research center for children—Nephrocalcinosis.	PO7RR-00317-07 (MCHB) BIEMANN, KLAUS, MASSACHUSETTS INST OF TECH, DEPT OF CHEMISTRY, CAMBRIDGE, MASS. Mass spectrometry facility for biomedical research.
MO1RR-00305-08 0016 (CLR) THORP, FRANK K. Clinical research center for children—Hypoglycemia.	MO1RR-00318-08 (CLR) PLUMPTON, CALVIN H., STATE UNIVERSITY OF NEW YORK, 450 CLARKSON AVENUE, BROOKLYN, N. Y. General clinical research center.
MO1RR-00305-08 0017 (CLR) DORFMAN, ALBERT. Clinical research center for children—Hurler-Hunter syndrome and other mucopolysaccharidoses.	MO1RR-00318-08 0011 (CLR) CASTELLS, SALVADOR. General clinical research center—Use of thyrocalcitonin in treatment of osteogenesis imperfecta (human).
MO1RR-00305-08 0018 (CLR) THORP, FRANK K. Clinical research center for children—Diazoxide in treatment of Von Gierke disease.	MO1RR-00318-08 0020 (CLR) AVRAMIDES, AVRAAM. General clinical research center—Calcium and magnesium metabolism in endocrine and metabolic diseases (human).
MO1RR-00305-08 0019 (CLR) WINDHORST, DOROTHY. Clinical research center for children—Phagocyte function in health and disease.	MO1RR-00318-08 0026 (CLR) CARTER, ANNE C. General clinical research center—Human growth studies.
MO1RR-00305-08 0021 (CLR) STUART, FRANK P. Clinical research center for children—Immunosuppression for renal and bone marrow allografts.	MO1RR-00318-08 0027 (CLR) DIAMOND, HERBERT S. General clinical research center—Leukocyte purine metabolism in hyperuricemia (human).
MO1RR-00305-08 0022 (CLR) COHEN, LOUIS. Clinical research center for children—Multidisciplinary study of muscular dystrophy.	MO1RR-00318-08 0028 (CLR) WALLACH, STANLEY. General clinical research center—Calcitonin treatment in demineralizing diseases (human).
MO1RR-00305-08 0024 (CLR) CASSELS, DONALD E. Clinical research center for children—Peripheral blood flow in peripheral vascular disease.	MO1RR-00318-08 0029 (CLR) JONES, JAMES R. General clinical research center—Plasma androgens in anovulatory and androgenized states (human).
MO1RR-00305-08 0025 (CLR) CASSELS, DONALD E. Clinical research center for children—Ductus arteriosus (dogs, human).	MO1RR-00318-08 0042 (CLR) JONES, JAMES R. General clinical research center—Effects of depo-provera on adrenal function (human).
MO1RR-00305-08 0027 (CLR) ARCILLA, RENE A. Clinical research center for children—Fetal hemodynamics in congenital heart disease.	MO1RR-00318-08 0045 (CLR) CASTELLS, SALVADOR. General clinical research center—Peripheral subresponsiveness to HGH (human).
MO1RR-00305-08 0029 (CLR) DAWSON, GLYN. Clinical research center for children—Infantile lipidoses.	MO1RR-00318-08 0057 (CLR) JOSEPHSON, A. S. General clinical research center—Renal tubular and lacrimal function in rheumatic arthritis (human).
MO1RR-00305-08 0030 (CLR) DELAFUENTE, DOMINGO. Clinical research center for children—Tachyarrhythmia in infancy (human, swine).	MO1RR-00318-08 0059 (CLR) AVRAMIDES, AVRAAM. General clinical research center—Combined use of mithramycin and calcitonin in demineralizing bone disease (human).
MO1RR-00305-08 0033 (CLR) ROSENFELD, ROBERT L. Clinical research center for children—TSH and GH secretion during therapy in hypsomatotropic dwarfism.	MO1RR-00318-08 0068 (CLR) FRIDMAN, ELI A. General clinical research center—Oxidized starch as an intestinal absorbent in uremia (human).
MO1RR-00305-08 0034 (CLR) ROSENFELD, ROBERT L. Clinical research center for children—Testicular end-organ dysfunction in pseudohermaphroditism.	MO1RR-00318-08 0061 (CLR) ORTI, EDUARDO. General clinical research center—Endocrine function in chemotherapy for cancer in children.
MO1RR-00305-08 0037 (CLR) PERGAMENT, E. Clinical research center for children—Evaluation of chromosomal aberrations (human).	MO1RR-00318-08 0062 (CLR) WALLACH, STANLEY. General clinical research center—Treatment of acute hypercalcemia (human).
MO1RR-00305-08 0040 (CLR) DORFMAN, ALBERT. Clinical research center for children—Inborn error of glycosphingolipid and mucopolysaccharide metabolism.	MO1RR-00318-08 0043 (CLR) VOELLER, K. General clinical research center—Neuroendocrinologic aspects of haloperidol (human).
MO1RR-00305-08 0041 (CLR) DAWSON, GLYN. Clinical research center for children—Metabolism of glycosphingolipids in normal cultured fibroblasts.	MO1RR-00318-08 0064 (CLR) VALENTI, CARLO. General clinical research center—Prenatal diagnosis of sickle cell anemia (human).
MO1RR-00305-08 0046 (CLR) ARCILLA, RENE. Clinical research center for children—Normal cardiac chamber volume in children.	MO1RR-00318-08 0065 (CLR) JONES, JAMES. General clinical research center—Response of ovary and trophoblast to PG2 in early pregnancy.
MO1RR-00305-08 0048 (CLR) THILENIUS, OTTO G. Clinical research center for children—Hemodynamics in rheumatic mitral insufficiency before and after annuloplasty.	MO1RR-00318-08 0066 (CLR) BLEICHER, SHELDON. General clinical research center—Evaluation of hypoglycemia (human).
MO1RR-00305-08 0061 (CLR) CASSELS, DONALD E. Clinical research center for children—Peripheral blood flow in cardiac arrhythmia.	MO1RR-00318-08 0067 (CLR) AVRAMIDES, AVRAAM. General clinical research center—Estrogen replacement in postmenopausal with hyperparathyroidism (human).
MO1RR-00305-08 0062 (CLR) ARCILLA, RENE A. Clinical research center for children—Digitalis tolerance.	MO1RR-00318-08 0068 (CLR) KUKAR, NARINDAR. General clinical research center—Insulin/glucagon ratio in diabetics (human).
MO1RR-00305-08 0063 (CLR) ROSENFELD, ROBERT. Clinical research center for children—Multiple endocrine deficiency syndrome.	MO1RR-00318-08 0069 (CLR) VIRI, RANJEET. General clinical research center—Function of leukocytes in sickle cell anemia (human).
MO1RR-00305-08 0064 (CLR) ROSENFELD, ROBERT. Clinical research center for children—Effect of L-dopa on pituitary hormones.	MO1RR-00318-08 0070 (CLR) SHAI, FLORENCE. General clinical research center— ²⁵ Hydroxycholecalciferol for bone disease of calcium malabsorption (human).
MO1RR-00305-08 0065 (CLR) ROSENFELD, ROBERT. Clinical research center for children—Metabolic studies in potassium—Losing kidney disease.	MO1RR-00318-08 0071 (CLR) FRIEDMAN, ELI A. General clinical research center—Renal handling of uric acid in health and disease (human).
MO1RR-00305-08 0066 (CLR) DORFMAN, ALBERT. Clinical research center for children—Lactosylceramidosis.	MO1RR-00318-08 0072 (CLR) VOELLER, K. General clinical research center—Lead as contributing agent to hyperactive children.
MO1RR-00305-08 0067 (CLR) ARCILLA, RENE. Clinical research center for children—Cardiac chamber volume study in heart volume overload.	MO1RR-00322-08 (CLR) MURPHY, JOHN, UNIV OF PENNSYLVANIA, 19TH AND LOMBARD STREETS, PHILADELPHIA, PA. General clinical research center.
MO1RR-00305-08 0068 (CLR) THILENIUS, OTTO. Clinical research center for children—Cardiac performance in transposition of the great vessels.	MO1RR-00322-08 0001 (CLR) GRAHAM, WILLIAM P. General clinical research center—Evaluation of laminar air flow in treatment of thermal injury (human).
MO1RR-00305-08 0069 (CLR) ARCILLA, RENE. Clinical research center for children—Cardiac chamber distensibility.	MO1RR-00322-08 0005 (CLR) WALLACE, HERBERT W. General clinical research center—Heart disease and erythrocyte destruction (human).
MO1RR-00305-08 0070 (CLR) KALLEN, R. J. Clinical research center for children—Azotemic osteodystrophy.	MO1RR-00322-08 0006 (CLR) BRODY, JEROME I. General clinical research center—Hematopoiesis disorders in cardiovascular disease (human).
MO1RR-00305-08 0071 (CLR) DORFMAN, ALBERT. Clinical research center for children—Correction of alpha-galactosidase deficiency in fibroblasts in Fabry's disease.	MO1RR-00322-08 0011 (CLR) BLAKEMORE, W. S. General clinical research center—Screening essential hypertension for correctable causes (human).
MO1RR-00305-08 0072 (CLR) REPLOGLE, R. L. Clinical research center for children—Ventricular function and myocardial cyclic AMP during open heart surgery.	MO1RR-00322-08 0013 (CLR) STEIN, T. P. General clinical research center—Hyperalimentation and CA therapy (human).
MO1RR-00305-08 0073 (CLR) ARCILLA, RENE A. Clinical research center for children—Hemodynamic investigation of rheumatic heart disease.	MO1RR-00322-08 0024 (CLR) BRODY, JEROME I. General clinical research center—Chemotherapeutic program in lymphoproliferative neoplasms (human).
MO1RR-00305-08 0074 (CLR) ARCILLA, RENE A. Clinical research center for children—Atrial distensibility and pulmonary hypertension.	MO1RR-00322-08 0025 (CLR) HARNER, RICHARD N. General clinical research center—Circadian rhythm in neurologic disorders (human).
MO1RR-00305-08 0075 (CLR) ARCILLA, RENE A. Clinical research center for children—Left heart development and function in anomalous pulmonary venous connection.	MO1RR-00322-08 0026 (CLR) NUSBAUM, MOREY. General clinical research center—Control of gastrointestinal hemorrhage by mesenteric drug infusion (human).
MO1RR-00305-08 0078 (CLR) THILENIUS, OTTO G. Clinical research center for children—Ventricular function in "Floppy mitral valve" syndrome.	MO1RR-00322-08 0027 (CLR) BRODY, JEROME I. General clinical research center—Chemotherapy of chronic myelocytic leukemia (human).
MO1RR-00305-08 0080 (CLR) CUTILLETTA, A. Clinical research center for children—Exchange phebotomy in cyanotic congenital heart disease.	MO1RR-00322-08 0028 (CLR) STEIN, T. P. General clinical research center—Trauma, wound healing and amino nitrogen (human).
MO1RR-00305-08 0081 (CLR) ROTHBERG, R. M. Clinical research center for children—Bone marrow transplantation.	MO1RR-00322-08 0029 (CLR) HOFFMAN, STANLEY. General clinical research center—Cancer immunotherapy (human).
MO1RR-00305-08 0082 (CLR) ROTHBERG, R. M. Clinical research center for children—Tolerance to foreign red cells in hemolytic anemia.	MO1RR-00322-08 0030 (CLR) MULHOLLAND, S. GRANT. General clinical research center—Diagnosis and treatment in pediatric urinary tract infections (human).
MO1RR-00305-08 0083 (CLR) BEEM, M. O. Clinical research center for children—Local immune response to nasal vaccines in Bruton's agammaglobulinemia.	MO1RR-00322-08 0031 (CLR) ARAI, K. General clinical research center—Cancer immunotherapy with L-phenylalanine mustard as a haptan (human).
MO1RR-00305-08 0084 (CLR) COHEN, LOUIS. Clinical research center for children—Hyperlipemia.	PO7RR-00326-06 (COM) COMAR, CYRIL L., NEW YORK STATE VETERINARY COLL, 925 WARREN ROAD, ITHACA, N. Y. Computer resource research and development.
MO1RR-00305-08 0085 (CLR) RUBENSTEIN, A. H. Clinical research center for children—Pancreatic function and carbohydrate metabolism in newborn.	
MO1RR-00305-08 0086 (CLR) KALLEN, R. J. Clinical research center for children—Progressive glomerulonephritis.	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- PO7RR-00330-07 (MCHB) ROSENTHAL, DAVID, RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIANGLE PARK, N C. Mass spectrometry center for Research Triangle region.
- MO1RR-00334-08 (CLR) HOLMAN, CHARLES N, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK ROAD, PORTLAND, OREG. General clinical research center.
- MO1RR-00334-08 0005 (CLR) FLETCHER, WILLIAM S. General clinical research center-Organ infusion (human).
- MO1RR-00334-08 0006 (CLR) PORTER, GEORGE A. General clinical research center-Third factor in congestive heart failure with edema (human).
- MO1RR-00334-08 0009 (CLR) SEAMAN, ARTHUR J. General clinical research center-Streptokinase treatment of intravascular thrombosis (human).
- MO1RR-00334-08 0012 (CLR) KRIPPABHINE, WILLIAM W. General clinical research center-Therapy of frostbite (human).
- MO1RR-00334-08 0013 (CLR) KRIPPABHINE, WILLIAM W. General clinical research center-Adrenalectomy and hypophysectomy in breast carcinoma.
- MO1RR-00334-08 0014 (CLR) LEUNG, BENJAMIN S. General clinical research center-Effect of hormones on estrogen receptor activity in tissue culture (human).
- MO1RR-00334-08 0015 (CLR) BONCHECK, LAWRENCE I. General clinical research center-Methods for oxygen administration (human).
- MO1RR-00334-08 0016 (CLR) FLETCHER, WILLIAM S. General clinical research center-Bleomycin and bleomycin-CMU cancer chemotherapy.
- MO1RR-00334-08 0017 (CLR) DOTTER, CHARLES T. General clinical research center-Streptokinase with angioplasty for arterial stenoses and occlusions.
- MO1RR-00334-08 0018 (CLR) KENDALL, JOHN W. General clinical research center-ACTH suppressibility in Nelson's syndrome (human).
- MO1RR-00334-08 0019 (CLR) MUSGROVE, JAMES E. General clinical research center-Renal function in Nail Patella syndrome (human).
- MO1RR-00334-08 0020 (CLR) PORTER, JOHN M. General clinical research center-Prevention of lower extremity edema (human).
- MO1RR-00334-08 0021 (CLR) PORTER, JOHN M. General clinical research center-Influence of aorta and peripheral vascular surgery on renal function (human).
- MO1RR-00334-08 0022 (CLR) FLETCHER, WILLIAM S. General clinical research center-Cardiac function during adriamycin therapy.
- MO1RR-00334-08 0023 (CLR) PORTER, JOHN M. General clinical research center-Intra-arterial reserpine for vasospastic diseases of the extremities (human).
- MO1RR-00334-08 0024 (CLR) BLACHLY, PAUL H. General clinical research center-Malonne therapy for opiate dependence.
- MO1RR-00334-08 0025 (CLR) SEAMAN, ARTHUR J. General clinical research center-Arvin for venous thrombosis.
- MO1RR-00334-08 0026 (CLR) BENNETT, WILLIAM M. General clinical research center-Vagotomy and liver dysfunction on hepatic osmoreceptor control of.
- MO1RR-00334-08 0027 (CLR) BENNETT, WILLIAM M. General clinical research center-Renal hemodynamics in cirrhosis of the liver (human).
- MO1RR-00334-08 0028 (CLR) BENNETT, WILLIAM M. General clinical research center-Functional characteristics of transplanted kidney in man.
- MO1RR-00334-08 0029 (CLR) FLETCHER, WILLIAM S. General clinical research center-Fate of radiolabeled horse antimelanoma globulin in malignant melanoma (human).
- MO1RR-00334-08 0030 (CLR) EIDENMILLER, LARRY R. General clinical research center-Hemodynamic characteristics of femoral-femoral arterial cross-pubic graft (human).
- MO1RR-00334-08 0031 (CLR) BARDANA, EMIL J JR.. General clinical research center-Classification criteria for scleroderma (human).
- MO1RR-00334-08 0032 (CLR) FLETCHER, WILLIAM S. General clinical research center-Host-tumor interrelationships (human).
- MO1RR-00334-08 0033 (CLR) COOK, DAVID M. General clinical research center-Diurnal ACTH rhythm in Cushing's disease (human).
- MO1RR-00334-08 0034 (CLR) BENNETT, WILLIAM M. General clinical research center-Renal tubular function and calcium metabolism.
- MO1RR-00334-08 0035 (CLR) EIDENMILLER, LARRY R. General clinical research center-Immunon washout curves (human).
- MO1RR-00334-08 0036 (CLR) PIROPSKY, BERNARD. General clinical research center-Vasculitis (human).
- MO1RR-00334-08 0037 (CLR) PIROPSKY, BERNARD. General clinical research center-Dermatomyocitis (human).
- MO1RR-00334-08 0038 (CLR) SEAMAN, ARTHUR J. General clinical research center-Heparin vs venacil in treatment of venous thrombosis (human).
- MO1RR-00334-08 0039 (CLR) SEAMAN, ARTHUR J. General clinical research center-Comparison of streptokinase and surgery for peripheral arterial occlusion (human).
- MO1RR-00334-08 0040 (CLR) BUIST, A SONIA. General clinical research center-Functional lung changes in cold urticaria (human).
- MO1RR-00334-08 0041 (CLR) BENNETT, WILLIAM M. General clinical research center-Antibiotic nephrotoxicity (human).
- MO1RR-00334-08 0042 (CLR) MELVIN, KENNETH E W. General clinical research center-Medullary carcinoma of the thyroid (human).
- MO1RR-00336-08 (CLR) HERNDON, C NASH, BOWMAN GRAY SCHOOL OF MEDICINE, WINSTON-SALEM, N C. General clinical research center.
- MO1RR-00336-08 0006 (CLR) PEARCE, LARRY. General clinical research center-Effect of amantadine hydrochloride on Parkinson's disease (human).
- MO1RR-00336-08 0008 (CLR) COOPER, M ROBERT. General clinical research center-Platelet survival and sequestration (human).
- MO1RR-00336-08 0013 (CLR) KERR, ROBERT M. General clinical research center-Kidney function and electrolyte balance in cirrhosis (human).
- MO1RR-00336-08 0046 (CLR) COOPER, M ROBERT. General clinical research center-Leukocyte transfusion in neoplasia and neutropenic states (human).
- MO1RR-00336-08 0047 (CLR) JAMES, PAUL M. General clinical research center-Evaluation of long term survival of renal allografts (human).
- MO1RR-00336-08 0049 (CLR) COOPER, M ROBERT. General clinical research center-Sickle cell vaso-occlusive crisis (human).
- MO1RR-00336-08 0050 (CLR) FELTS, JOHN H. General clinical research center-Chemotherapy for malignant brain tumor (human).
- MO1RR-00336-08 0053 (CLR) FELTS, JOHN H. General clinical research center-Aldoril R15 on renal hemodynamics in hypertension (human).
- MO1RR-00336-08 0034 (CLR) TURNER, ROBERT. General clinical research center-Fenoprofen calcium study in rheumatoid arthritis (human).
- MO1RR-00336-08 0055 (CLR) BLAKE, DAAMON D. General clinical research center-Methotrexate, BCG, and IWH in treatment of head and neck cancer (human).
- MO1RR-00336-08 0057 (CLR) RABEN, MILTON. General clinical research center-Incidental irradiation of pituitary.
- MO1RR-00336-08 0058 (CLR) O'BRIEN, THOMAS F. General clinical research center-Pancreatic enzyme effect on steatorrhea in pancreatic insufficiency (human).
- MO1RR-00336-08 0059 (CLR) TURNER, ROBERT. General clinical research center-Fenoprofen calcium aspirin, and gold therapy in rheumatoid arthritis (human).
- MO1RR-00336-08 0061 (CLR) TURNER, ROBERT. General clinical research center-Fenoprofen calcium in rheumatoid arthritis (human).
- MO1RR-00336-08 0068 (CLR) SCHMID, HERMAN. General clinical research center-Propranolol and hydralazine in labial hypertension (human).
- MO1RR-00336-08 0064 (CLR) PEARCE, LARRY. General clinical research center-MK-486 and levodopa in Parkinson's disease (human).
- MO1RR-00336-08 0065 (CLR) PROCTOR, RICHARD A. General clinical research center-SCH12041 and diazepam (human).
- MO1RR-00336-08 0066 (CLR) ALEXANDER, EBEN. General clinical research center-Chemotherapy for malignant brain tumor patients.
- MO1RR-00336-08 0067 (CLR) COOPER, M ROBERT. General clinical research center-Phlebotomy, chemotherapy or radiophosphorus therapy of polycythemia vera (human).
- MO1RR-00336-08 0068 (CLR) TURNER, ROBERT. General clinical research center-Cardiac, pulmonary peripheral vascular manifestations of SLE (human).
- MO1RR-00336-08 0069 (CLR) TURNER, ROBERT. General clinical research center-Hematuria due to indocin in arthritis therapy (human).
- MO1RR-00336-08 0070 (CLR) ALEXANDER, EBEN. General clinical research center-Treatment of malignant brain gliomas-Phase II (human).
- MO1RR-00336-08 0071 (CLR) ALEXANDER, EBEN. General clinical research center-Treatment of malignant brain gliomas-Phase III (human).
- MO1RR-00336-08 0072 (CLR) SCHMID, HERMAN. General clinical research center-Peripheral renin activity and renal function in hypoalbuminemia (human).
- MO1RR-00336-08 0073 (CLR) SCHMID, HERMAN. General clinical research center-Effect of Clonidine on renal hemodynamics in hypertension (human).
- MO1RR-00336-08 0074 (CLR) HEISE, EUGENE. General clinical research center-Development of histocompatibility typing reagents (human).
- MO1RR-00336-08 0075 (CLR) PEARCE, LARRY. General clinical research center-Effect of guanidina hydrochloride on amyotrophic lateral sclerosis.
- MO1RR-00336-08 0076 (CLR) PROCTOR, RICHARD A. General clinical research center-RO-5 3350 for treatment of neuroses (human).
- MO1RR-00336-08 0077 (CLR) TURNER, ROBERT. General clinical research center-Follow-up of rheumatoid arthritis terminated on fenoprofen studies.
- MO1RR-00336-08 0078 (CLR) SCHMID, HERMAN. General clinical research center-Effect of IV angiotensin II infusion in cirrhosis and ascites (human).
- MO1RR-00336-08 0079 (CLR) PROCTOR, RICHARD A. General clinical research center-Efficacy of imipramine and clomipramine in treatment of depression (human).
- PO6RR-00343-08 (GEN) WEIR, JOHN A, UNIVERSITY OF KANSAS, DIVISION OF BIOLOGY, LAWRENCE, KANS. Animal resource-Inbred and mutant mouse stocks.
- MO1RR-00349-08 (CLR) SEVY, ROGER W, TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA. General clinical research center.
- MO1RR-00349-08 0009 (CLR) SHEAR, LEROY. General clinical research center-Correlation of renal structure and function (human).
- MO1RR-00349-08 0012 (CLR) MARDER, VICTOR J. General clinical research center-Streptokinase treatment (human).
- MO1RR-00349-08 0027 (CLR) BODEN, GUENTHER. General clinical research center-Corticotropin secretion in man.
- MO1RR-00349-08 0028 (CLR) TYSON, ROBERT R. General clinical research center-Flow in femoral tibial bypass for salvage of ischemic human lower extremity.
- MO1RR-00349-08 0032 (CLR) OWEN, O E. General clinical research center-Insulin and hepatic ketoacid production (human).
- MO1RR-00349-08 0033 (CLR) OWEN, O E. General clinical research center-Insulin release following sodium acetate infusion in man.
- MO1RR-00349-08 0034 (CLR) BODEN, GUENTHER. General clinical research center-L-Dopa and release of pituitary hormones (human).
- MO1RR-00349-08 0035 (CLR) BODEN, GUENTHER. General clinical research center-Stability of human corticotropin.
- MO1RR-00349-08 0036 (CLR) CHANNICK, B J. General clinical research center-Mineralocorticoids in hypertension (human).
- MO1RR-00349-08 0037 (CLR) ADLIN, E V. General clinical research center-Immunoglobulin levels in hypertension (human).
- MO1RR-00349-08 0038 (CLR) MARKS, A P. General clinical research center-Chlorpromazine and medroxyprogesterone acetate (human).
- MO1RR-00349-08 0039 (CLR) SCHUMAN, C R. General clinical research center-Metabolic effects of sorbitol in humans.
- MO1RR-00349-08 0040 (CLR) SHEAR, LEROY. General clinical research center-Diurnal variation in urinary protein excretion (human).
- MO1RR-00349-08 0041 (CLR) SWENSON, M D. General clinical research center-Diagnosis and treatment involving anaerobic organisms (human).
- MO1RR-00349-08 0042 (CLR) SHEAR, LEROY. General clinical research center-Evaluation of new diuretic agent (human).
- MO1RR-00349-08 0043 (CLR) SHEAR, LEROY. General clinical research center-Daily and diurnal variation in urinary protein excretion (human).
- MO1RR-00349-08 0044 (CLR) KATZ, M A. General clinical research center-Influence of hypoproteinemia on glomerulotubular balance (human).
- MO1RR-00349-08 0045 (CLR) KATZ, M A. General clinical research center-Alkaline tide on urinary sodium clearance (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00349-08 0046 (CLR) SWENSON, R M. General clinical research center-Gastrointestinal flora (human).
- MO1RR-00349-08 0047 (CLR) DINOSO, V. General clinical research center-Effects of ethanol in GI tract (human).
- MO1RR-00349-08 0043 (CLR) MORITZ, M. General clinical research center-Intestinal absorption of water and electrolytes in alcoholic (human).
- MO1RR-00349-08 0049 (CLR) SPANN, J F. General clinical research center-Ventricular contractility in man.
- MO1RR-00349-08 0050 (CLR) SPANN, J F. General clinical research center-Digoxin metabolism by the human heart.
- MO1RR-00349-08 0051 (CLR) SPANN, J F. General clinical research center-Coronary vein bypass surgery (human).
- MO1RR-00349-08 0052 (CLR) LUNDY, LE. General clinical research center-Estril and pregnancy (human).
- MO1RR-00349-08 0053 (CLR) LUNDY, LE. General clinical research center-The induction of ovulation (human).
- MO1RR-00349-08 0054 (CLR) LEE, S G. General clinical research center-Human gonadotropin on ovarian function.
- MO1RR-00349-08 0055 (CLR) REIDENBERG, M. General clinical research center-Calcium metabolism, acid-base metabolism and bone (human).
- MO1RR-00349-08 0056 (CLR) REIDENBERG, M. General clinical research center-Drug metabolism and excretion in health and disease (human).
- MO1RR-00349-08 0057 (CLR) REICHLER, F A. General clinical research center-Portal vein flow with hepatic cirrhosis (human).
- MO1RR-00349-08 0058 (CLR) REICHLER, F A. General clinical research center-Human alcoholic cirrhosis on protein metabolism.
- MO1RR-00349-08 0059 (CLR) REICHLER, F A. General clinical research center-Metabolism and hemodynamics in dumping syndrome (human).
- MO1RR-00349-08 0060 (CLR) GOLDMAN, L I. General clinical research center-Evaluation of stress during learning of surgical skills (human).
- MO1RR-00349-08 0061 (CLR) ELPHENBEIN, I B. General clinical research center-Renal pathology with renal function (human).
- MO1RR-00349-08 0062 (CLR) ARRATA, W S M. General clinical research center-'Oversuppression syndrome' and endocrine abnormalities (human).
- MO1RR-00350-08 (CLR) MERRILL, JOSEPH M, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. General clinical research center.
- MO1RR-00350-08 0007 (CLR) COUCH, ROBERT B. General clinical research center-Mycoplasma pneumoniae vaccine studies (human).
- MO1RR-00350-08 0034 (CLR) SUKI, WADI N. General clinical research center-Tubular function in renal transplant patients.
- MO1RR-00350-08 0051 (CLR) COUCH, ROBERT B. General clinical research center-Standardization for adenovirus 5 subunit vaccines (human).
- MO1RR-00350-08 0053 (CLR) COUCH, ROBERT B. General clinical research center-Development of standardized Influenza virus challenge (human).
- MO1RR-00350-08 0060 (CLR) ALFREY, CLARENCE P. General clinical research center-Effect of carbenicillin on blood clotting mechanism (human).
- MO1RR-00350-08 0063 (CLR) WILLIAMS, TEMPLE W. General clinical research center-Intestinal bacterial flora with lincomycin and clindamycin (human).
- MO1RR-00350-08 0065 (CLR) ALFREY, CLARENCE P. General clinical research center-Effect of BRL-2288 on blood clotting mechanism (human).
- MO1RR-00350-08 0078 (CLR) COUCH, ROBERT, B. General clinical research center-Chemotherapy of severe herpes virus infections (human).
- MO1RR-00350-08 0004 (CLR) OOTTO, ANTONIO M. General clinical research center-Structure of very low density lipoprotein of plasma (human).
- MO1RR-00350-08 0085 (CLR) MEYER, JOHN S. General clinical research center-Medical treatment of acute cerebral infarction (human).
- MO1RR-00350-08 0086 (CLR) MEYER, JOHN S. General clinical research center-Carotid intracranial by-pass (human).
- MO1RR-00350-08 0088 (CLR) HYMAN, BARRY N. General clinical research center-Unilateral retinopathy of vascular occlusive disease (human).
- MO1RR-00350-08 0039 (CLR) BUTLER, WILLIAM T. General clinical research center-Effect of corticosteroids on immune reaction (human).
- MO1RR-00350-08 0090 (CLR) MARTIN, RUSSELL R. General clinical research center-Functional studies of human alveolar macrophages.
- MO1RR-00350-08 0091 (CLR) MARTIN, RUSSELL R. General clinical research center-Plasmapheresis as treatment in autoimmune diseases (human).
- MO1RR-00350-08 0092 (CLR) GOTTO, ANTONIO M. General clinical research center-Genetic determinants of familial hyperlipoproteinemia types IV and V (human).
- MO1RR-00350-08 0093 (CLR) GOTTO, ANTONIO M. General clinical research center-Mechanism of familial homozygous type II hyperlipoproteinemia (human).
- MO1RR-00350-08 0094 (CLR) MCINTOSH, HENRY D. General clinical research center-Relation between phases of sleep and potentially fatal arrhythmias (human).
- MO1RR-00350-08 0095 (CLR) THOMPSON, GILBERT R. General clinical research center-Role of small intestine in lipoprotein synthesis (human).
- MO1RR-00350-08 0096 (CLR) GREENBERG, STEPHEN B. General clinical research center-Effect of viral and mycoplasmal respiratory tract infection (human).
- MO1RR-00350-08 0097 (CLR) DEBAKEY, MICHAEL E. General clinical research center-Changes following prosthetic valves and valves reconstruction (human).
- MO1RR-00350-08 0098 (CLR) DEBAKEY, MICHAEL E. General clinical research center-Surgical therapy of atherosclerotic aortic disease (human).
- MO1RR-00350-08 0099 (CLR) DEBAKEY, MICHAEL E. General clinical research center-Mycardial revascularization using autogenous venous bypass graft (human).
- MO1RR-00350-08 0100 (CLR) DEBAKEY, MICHAEL E. General clinical research center-Congenital heart disease (human).
- MO1RR-00350-08 0101 (CLR) COUCH, ROBERT B. General clinical research center-Changes in circulating lymphocytes during influenza (human).
- MO1RR-00350-08 0102 (CLR) MEYER, JOHN S. General clinical research center-Cerebral metabolic effects of glycerol infusion in diabetic and stroke patients.
- MO1RR-00350-08 0103 (CLR) MEYER, JOHN S. General clinical research center-Effects of oral betahistine hydrochloride on rCBF (human).
- MO1RR-00350-08 0104 (CLR) MEYER, JOHN S. General clinical research center-Cerebral blood flow and metabolism in cerebrovascular disease (human).
- MO1RR-00350-08 0105 (CLR) MEYER, JOHN S. General clinical research center-Cerebral dysautoregulation in Shy-Drager syndrome (human).
- MO1RR-00350-08 0106 (CLR) MEYER, JOHN S. General clinical research center-Catecholamines concentration in CSF and plasma in cerebral infarction (human).
- MO1RR-00350-08 0107 (CLR) MEYER, JOHN S. General clinical research center-Cerebral diaschisis-Transneuronal pathogenesis and biochemical basis (human).
- MO1RR-00350-08 0108 (CLR) ALFREY, CLARENCE P. General clinical research center-Prosthetic valve endocarditis (human).
- MO1RR-00350-08 0109 (CLR) BUTLER, WILLIAM T. General clinical research center-Role of antioglobulins in glomerulonephritis (human).
- PO7RR-00355-08 (MCHA) SEMMELHACK, MARTIN F, CORNELL UNIVERSITY, DEPARTMENT OF CHEMISTRY, ITHACA, N Y. High resolution mass spectrometer facility.
- PO7RR-00356-08 (MCHB) LIPSKY, SEYMOUR R, YALE UNIVERSITY SCHOOL OF MED, 333 CEDAR STREET, NEW HAVEN, CONN. Physical sciences instrumentation facility.
- PO6RR-00361-08 (PMAE) KALTER, SEYMOUR S, S W FDN FOR RES & EDUC, P O BOX 28147, SAN ANTONIO, TEX. Reference center for study of primate viruses.
- PO7RR-00374-07 (COM) KEHL, THEODORE H, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. Support for physiology and biophysics computer.
- RO1RR-00389-07 (AR) FLETCHER, WILLIAM S, UNIVERSITY OF OREGON MED SCH, 3181 S W SAM JACKSON PK RD, PORTLAND, OREG. Breding large animals for medical research (dogs).
- RO1RR-00390-06 (AR) TUMBLESON, MYRON E, UNIVERSITY OF MISSOURI, SCH OF VETERINARY MEDICINE, COLUMBIA, MO. Normal biologic profiles for miniature swine.
- PO6RR-00393-07 (AR) JONAS, ALBERT M, YALE UNIVERSITY SCHOOL OF MED, 375 CONGRESS AVENUE, NEW HAVEN, CONN. Resource for study of laboratory animal diseases.
- PO7RR-00396-07 (COM) COX, JEROME R, JR, BIOMEDICAL COMPUTER LABORATORY, 700 S EUCLID AVENUE, ST LOUIS, MO. Resource for biomedical computing.
- MO1RR-00400-06 (CLR) ULSTROM, ROBERT A, UNIVERSITY OF MINNESOTA, BOX 504, MAYO MEMORIAL BLDG, MINNEAPOLIS, MINN. General clinical research center-adult.
- MO1RR-00400-06 0001 (CLR) GOETZ, FREDERICK C. General clinical research center-adult-Study of donors in kidney transplants to diabetics (human).
- MO1RR-00400-06 0003 (CLR) SAULS, HENRY. General clinical research center-adult-Effects of growth hormone in growth retarded children.
- MO1RR-00400-06 0005 (CLR) GOOD, ROBERT A. General clinical research center-adult-Cyclic leukocytosis in chronic myelogenous leukemia (children).
- MO1RR-00400-06 0006 (CLR) GOETZ, FREDERICK C. General clinical research center-adult-Effect of pancreas transplantation on diabetic retinopathy (human).
- MO1RR-00400-06 0010 (CLR) GOETZ, FREDERICK C. General clinical research center-adult-Glucagon test for growth hormone (human).
- MO1RR-00400-06 0012 (CLR) GOETZ, FREDERICK C. General clinical research center-adult-Prodnisone-imuran therapy for nephrotic syndrome (human).
- MO1RR-00400-06 0015 (CLR) SAULS, HENRY. General clinical research center-adult-Gluconeogenesis in ketotic hypoglycemia (children).
- MO1RR-00400-06 0019 (CLR) DEINARD, AMES. General clinical research center-adult-Non-malignancy related neutropenia (children).
- MO1RR-00400-06 0021 (CLR) DOE, RICHARD P. General clinical research center-adult-Insulin and carbohydrate metabolism in myotonic dystrophy (human).
- MO1RR-00400-06 0024 (CLR) CAPERTON, E M. General clinical research center-adult-Calcium infusion for steroid induced osteoporosis (human).
- MO1RR-00400-06 0028 (CLR) HANSON, RUSSEL F. General clinical research center-adult-Formation and metabolism of bile acids in man.
- MO1RR-00400-06 0029 (CLR) HUNNINGHAKE, D B. General clinical research center-adult-Plasma level of drugs (human).
- MO1RR-00400-06 0030 (CLR) ROSE, THOMAS. General clinical research center-adult-Treatment of acromegaly with medroxyprogesterone acetate (human).
- MO1RR-00400-06 0032 (CLR) GOOD, ROBERT A. General clinical research center-adult-Germ-free environment for marrow transplantation (human).
- MO1RR-00400-06 0033 (CLR) SHARP, HARVEY. General clinical research center-adult-Liver in alpha-1-antitrypsin deficiency (human).
- MO1RR-00400-06 0035 (CLR) DOR, RICHARD P. General clinical research center-adult-Development of hypertension in treated Addisonian patients.
- MO1RR-00400-06 0036 (CLR) MICHAEL, A F. General clinical research center-adult-Diffuse glomerular disease in children.
- MO1RR-00400-06 0037 (CLR) LEVITT, MICHAEL D. General clinical research center-adult-Abdominal pain associated with marked increase in urobilinogen (human).
- MO1RR-00400-06 0038 (CLR) DOE, RICHARD P. General clinical research center-adult-Thyrotropin releasing factor on plasma TSH levels (human).
- MO1RR-00400-06 0039 (CLR) WITKOP, C J. General clinical research center-adult-Oculocutaneous pigment defects, blocks and treatment (human).
- MO1RR-00400-06 0040 (CLR) KRONENBERG, R. General clinical research center-adult-Respiratory regulation in patients with altered sensitivity to CO2 and O2 (human).
- MO1RR-00400-06 0041 (CLR) WITKOP, C J. General clinical research center-adult-Oculocutaneous pigment defects, blocks and treatment-study 2 (human).
- MO1RR-00400-06 0042 (CLR) WARWICK, W J. General clinical research center-adult-Insulin release and reserve in cystic fibrosis (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00400-06 0043 (CLR) BROWN, D M. General clinical research center-adult-Metabolic bone studies in adolescent hypophysis and Turners syndrome (human).
- MO1RR-00400-06 0044 (CLR) POLKE, L. General clinical research center-adult-Diets in regards to dental plaque (human).
- MO1RR-00400-06 0043 (CLR) MIRKIN, BERNARD L. General clinical research center-adult-Hypertension in Turners syndrome (human).
- MO1RR-00400-06 0044 (CLR) CLAWSON, C C. General clinical research center-adult-Assessment of leukocyte function in diabetic patient.
- MO1RR-00400-06 0047 (CLR) HOFFMAN J E. General clinical research center-adult-Evaluation of immunodeficient patient and therapy with transfer factor (human).
- MO1RR-00400-06 0040 (CLR) HOFFMAN, J E. General clinical research center-adult-Hypothalamic response to hypoglycemia in diabetes (human).
- MO1RR-00400-06 0049 (CLR) DOE, RICHARD P. General clinical research center-adult-Familial hyperparathyroidism (human).
- MO1RR-00400-06 0050 (CLR) MIRKIN, BERNARD L. General clinical research center-adult-Multiple mucosal neuroma (human).
- MO1RR-00400-06 0051 (CLR) LEVITT, MICHAEL D. General clinical research center-adult-Respiratory hydrogen excretion to detect carbohydrate malabsorption (human).
- MO1RR-00400-06 0052 (CLR) JACOBSON, MAYNARD E. General clinical research center-adult-Pre-operative chemotherapy of Cushing's syndrome (human).
- MO1RR-00400-06 0053 (CLR) DOE, RICHARD P. General clinical research center-adult-Propective study of Graves disease (human).
- MO1RR-00400-06 0054 (CLR) WONG, E T. General clinical research center-adult-Control of parathyroid hormone in man.
- MO1RR-00400-06 0055 (CLR) KRIVIT, WILLIAM. General clinical research center-adult-Glycosphingolipidoses and related diseases (human).
- MO1RR-00400-06 0056 (CLR) MCKHANN, CHARLES F. General clinical research center-adult-Immunotherapy of human malignancy.
- MO1RR-00400-06 0057 (CLR) SWANMAN, KENNETH F. General clinical research center-adult-Low methionine diet in homocystinuria (human).
- MO1RR-00400-06 0050 (CLR) BUCHWALD, HENRY. General clinical research center-adult-Ileal bypass program (human).
- PO6RR-00401-05 (AR) TRUM, BERNARD F, HARVARD MEDICAL SCHOOL, 25 SHAT-TUCK STREET, BOSTON, MASS. Laboratory animal diagnostic laboratory resource (monkeys, rodents, carnivores).
- RO1RR-00419-07 (PME) SCHRIER, ALLAN M, BROWN UNIVERSITY, PSYCHOLOGY DEPT, PROVIDENCE, R I. Laboratory primate newsletter.
- PO6RR-00421-13 (AR) MORELAND, ALVIN F, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. Primate research program resource.
- MO1RR-00425-06 (CLR) SWANSON, WILLIAM H, HARBOR GENERAL HOSPITAL, 1000 WEST CARSON STREET, TORRANCE, CALIF. General clinical research center.
- MO1RR-00425-06 0002 (CLR) BUSTER, JOHN E. General clinical research center-Concentration of estrogen during labor and post-partum (human).
- MO1RR-00425-06 0002 (CLR) KORENMAN, STANLEY G. General clinical research center-Gynecomastia-Relationship to hormonal metabolism (human).
- MO1RR-00425-06 0005 (CLR) TIERNEY, DONALD F. General clinical research center-Secretion and removal of pulmonary surfactant in alveolar proteinosis (human).
- MO1RR-00425-06 0007 (CLR) BARRETT, PETER V D. General clinical research center-Effect of fasting and dietary composition on bile pigment metabolism (human).
- MO1RR-00425-06 0009 (CLR) BENNETT, C M. General clinical research center-Osteodystrophy and divalent ions in renal failure (human).
- MO1RR-00425-06 0012 (CLR) ODELL, WILLIAM D. General clinical research center-Threshold dose of ethinyl estradiol for LH and FSH suppression (human).
- MO1RR-00425-06 0013 (CLR) CRILEY, J MICHAEL. General clinical research center-Long term EKG monitoring in arrhythmias (human).
- MO1RR-00425-06 0022 (CLR) FIALA, MILAN. General clinical research center-Viral etiology of systemic lupus erythematosus (human).
- MO1RR-00425-06 0023 (CLR) CRILEY, J MICHAEL. General clinical research center-Phantom arrhythmias in patients with prosthetic heart valves.
- MO1RR-00425-06 0024 (CLR) RIMONIN, DAVID L. General clinical research center-Genetics and the pathogenesis of the chondrodystrophies (human).
- MO1RR-00425-06 0025 (CLR) BENNETT, CLEAVES M. General clinical research center-Hemodynamic studies in chronic anemia (human).
- MO1RR-00425-06 0026 (CLR) BRAY, GEORGE A. General clinical research center-Genetic forms of obesity (human).
- MO1RR-00425-06 0027 (CLR) RIMONIN, DAVID L. General clinical research center-Genetics and pathogenesis of birth defects (human).
- MO1RR-00425-06 0028 (CLR) SPERLING, MARK A. General clinical research center-Secretion rates of human growth hormone.
- MO1RR-00425-06 0029 (CLR) BRAY, GEORGE A. General clinical research center-Effects of overnutrition on endocrine function and work efficiency (human).
- MO1RR-00425-06 0030 (CLR) BRAY, GEORGE A. General clinical research center-Glucose homeostasis (human).
- MO1RR-00425-06 0031 (CLR) BRAY, GEORGE A. General clinical research center-Jejuno-ileal shunts as a treatment of massive obesity (human).
- MO1RR-00425-06 0032 (CLR) WOLFFEN, ADA R. General clinical research center-Dose response relationship between plasma cortisol and ACTH (human).
- MO1RR-00425-06 0033 (CLR) CHOW, ANTHONY W. General clinical research center-Cytosine arabinoside in patients carrying the Australian antigen.
- MO1RR-00425-06 0034 (CLR) MARSHALL, JOHN R. General clinical research center-Luteolytic activity of prostaglandins F2 and throm salt U-14, 583E (human).
- MO1RR-00425-06 0035 (CLR) GERRARD, JOHN W. General clinical research center-Role of food sensitivity in childhood asthma.
- MO1RR-00425-06 0036 (CLR) SPERLING, MARK A. General clinical research center-Prediabetes (human).
- MO1RR-00425-06 0037 (CLR) TULCHINSKY, DAN. General clinical research center-Corpus luteum function in early pregnancy (human).
- MO1RR-00425-06 0038 (CLR) FALKENBURG, NEWELL. General clinical research center-Glomerular-tubular balance for bicarbonates in man.
- MO1RR-00425-06 0039 (CLR) CHRISTENSON, CRAIG E. General clinical research center-Effect of intravenous glucagon on acute pancreatitis (human).
- MO1RR-00425-06 0040 (CLR) SKOWSKY, RONALD. General clinical research center-Body water homeostasis and vasopressin kinetics (human).
- MO1RR-00425-06 0041 (CLR) FISER, ROBERT H. General clinical research center-Hormonal fuel interrelationships in the newborn (human).
- MO1RR-00425-06 0042 (CLR) FISER, ROBERT H. General clinical research center-Mechanisms of insulin resistance (human).
- MO1RR-00425-06 0043 (CLR) GREEN, MICHAEL. General clinical research center-Asymptomatic carriers of the Australian antigen and their families.
- MO1RR-00425-06 0044 (CLR) BENNETT, CLEAVES M. General clinical research center-Antihypertensive and renal hemodynamic effects of prazosin HC-1 (human).
- MO1RR-00425-06 0045 (CLR) ABRAHAM, GUY E. General clinical research center-Mechanism of ovulation (human).
- MO1RR-00425-06 0046 (CLR) OGUNDIPE, OLUFEMI. General clinical research center-Body weight, hypothalamus function, and obesity in insulin secretion (human).
- MO1RR-00425-06 0047 (CLR) LUGUANI, ROBERT. General clinical research center-Doxopram hydrochloride in primary alveolar hypoventilation syndrome (human).
- MO1RR-00425-06 0048 (CLR) GLASSOCK, RICHARD J. General clinical research center-Treatment of primary amyloidosis with cytotoxic alkylation agents (human).
- MO1RR-00425-06 0049 (CLR) TULCHINSKY, DAN. General clinical research center-Corpus luteum function in early pregnancy-diurnal variation (human).
- MO1RR-00425-06 0050 (CLR) BRAY, GEORGE A. General clinical research center-Amphetamine and phenformin in treatment of obesity (human).
- MO1RR-00425-06 0051 (CLR) BENFIELD, JOHN R. General clinical research center-Thoracic surgical clinical research project (human).
- MO1RR-00425-06 0052 (CLR) MOORE, THOMAS C. General clinical research center-Vasoactive amine metabolism and immunologic change after renal transplant (human).
- MO1RR-00425-06 0053 (CLR) BROSMAN, STANLEY. General clinical research center-Meglumine iodamide SH 2.0926 (human).
- MO1RR-00425-06 0054 (CLR) MOORE, THOMAS C. General clinical research center-Effectiveness of horse antihuman thymocyte globulin in human kidney transplant.
- MO1RR-00425-06 0055 (CLR) NOBEL, CALVIN J. General clinical research center-Postpartum toxemia (human).
- MO1RR-00425-06 0056 (CLR) DOLLINGER, MALIN. General clinical research center-Effect of daunorubicin on acute leukemia and solid tumors (human).
- MO1RR-00425-06 0057 (CLR) DOLLINGER, MALIN. General clinical research center-Chemotherapy of disseminated malignancy (human).
- MO1RR-00425-06 0058 (CLR) HEINER, DOUGLAS C. General clinical research center-Protein or blood losing enteropathy (human).
- MO1RR-00425-06 0059 (CLR) BENFIELD, JOHN R. General clinical research center-Human lung transplantation.
- MO1RR-00425-06 0060 (CLR) SOLOMON, DAVID H. General clinical research center-Role of LATS in pathogenesis of Grave's disease.
- MO1RR-00425-06 0061 (CLR) GLASSOCK, RICHARD J. General clinical research center-Immunosuppression for glomerular disorders and collagen-vascular disease (human).
- MO1RR-00425-06 0062 (CLR) BARRETT, PETER. General clinical research center-Role of methamphetamine in chronic hepatitis (human).
- MO1RR-00425-06 0063 (CLR) SOLOMON, DAVID H. General clinical research center-Response to TSH in Grave's disease (human).
- MO1RR-00425-06 0064 (CLR) GLASSOCK, RICHARD J. General clinical research center-Role of renal vascular coagulation in renal failure (human).
- MO1RR-00425-06 0065 (CLR) GLASSOCK, RICHARD J. General clinical research center-Syndrome of hereditary thrombocytopenia, nephritis and deafness (human).
- MO1RR-00425-06 0066 (CLR) SAMLOFF, I MICHAEL. General clinical research center-Divalent cation metabolism in pancreatitis (human).
- MO1RR-00425-06 0067 (CLR) DOLLINGER, MALIN. General clinical research center-Chemotherapy of metastatic breast cancer (human).
- MO1RR-00425-06 0068 (CLR) DOLLINGER, MALIN. General clinical research center-Intravenous procarbazine (human).
- MO1RR-00425-06 0069 (CLR) SWERDLOFF, RONALD S. General clinical research center-Hypothalamic-pituitary function in Parkinson's disease treated with L-Dopa (human).
- MO1RR-00425-06 0070 (CLR) LIERMAN, WILLIAM M. General clinical research center-Gastrin response to antral neutralization in peptic ulcer (human).
- MO1RR-00425-06 0071 (CLR) CHRISTENSEN, CRAIG E. General clinical research center-IV and intraduodenal calcium effect on gastric secretion, serum gastrin (human).
- MO1RR-00425-06 0072 (CLR) BEALL, GILDON N. General clinical research center-Evaluation of patients with eosinophilia and pulmonary disease.
- MO1RR-00425-06 0073 (CLR) ODELL, WILLIAM D. General clinical research center-Pituitary function after direct-vision trans-sphenoidal hypophyseal (human).
- MO1RR-00425-06 0074 (CLR) SOLOMON, DAVID. General clinical research center-Alcoholic ketoacidosis and hypophosphatemia (human).
- MO1RR-00425-06 0075 (CLR) BENNETT, CLEAVES M. General clinical research center-Effect of prednisone and cyclophosphamide on nephrotic syndrome (human).
- MO1RR-00425-06 0076 (CLR) WEIL, MARVIN L. General clinical research center-Necrotizing encephalomyelopathy in a child with cystathioninuria.
- MO1RR-00425-06 0077 (CLR) FIALA, MILAN. General clinical research center-Cytomegalovirus immunology (human).
- MO1RR-00425-06 0078 (CLR) OSTERGARD, DONALD R. General clinical research center-Metabolism of DHEA by fetal placental unit (human).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- MO1RR-00425-06 0079 (CLR) MARSHALL, JOHN R. General clinical research center-4Prostaglandins for abortifacient activity in early human pregnancy.
- MO1RR-00425-06 0080 (CLR) REISNER, LAURENCE S. General clinical research center-Effect of estradiol and progesterone on basal body and CNS temperatures (human).
- PO6RR-00427-07 (AR) ZUCKER, LOIS M, HARRIET G BIRD MEMORIAL LAB, STOW, MASS. Models for the study of obesity and growth (rats).
- PO7RR-00442-05 (COM) LEVINTHAL, CYRUS, COLUMBIA UNIVERSITY, 754 SCHERMERHORN EXT, NEW YORK, N Y. Computer resource for image processing and displays.
- PO7RR-00443-06 (COM) NATHAN, ROBERT, JET PROPULSION LABORATORY, 4800 OAK GROVE DRIVE, PASADENA, CALIF. Computer resource for pictorial data processing.
- PO6RR-00455-06 (AR) STORRS, ELEANOR R, GULF SOUTH RESEARCH INSTITUTE, BOX 1177, NEW IBERIA, LA. Development of a laboratory animal resource.
- PO6RR-00463-06 (AR) LINDSEY, J RUSSELL, UNIVERSITY OF ALABAMA MED CTR, 1919 SEVENTH AVENUE, SOUTH, BIRMINGHAM, ALABAMA. Laboratory animal resource for biomedical research (mice, guinea pigs).
- PO6RR-00467-03 (AR) KENDRICK, JOHN W, UNIVERSITY OF CALIFORNIA, DEPT OF CLINICAL SCIENCES, DAVIS, CALIF. A program for strengthening a central animal facility (laboratory animals).
- PO6RR-00469-06 (AR) LANG, C MAX, MILTON S HERSHEY MEDICAL CTR, 500 UNIVERSITY DRIVE, HERSHEY, PA. Laboratory animal diagnostic resource.
- PO6RR-00471-06 (AR) WAGNER, JOSEPH E, UNIVERSITY OF MISSOURI, RESEARCH ANIMAL DIAGNOSTIC LAB, COLUMBIA, MO. Research animal diagnostic laboratory.
- PO7RR-00400-06 (MCHB) SWEELEY, CHARLES C, MICHIGAN STATE UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY, EAST LANSING, MICH. Support of Michigan State mass spectrometry facility.
- PO6RR-00515-06 (AR) PADGETT, GEORGE A, WASHINGTON STATE UNIVERSITY, DEPT OF VETERINARY PATHOLOGY, PULLMAN, WASH. Animal models for comparative medical research (cats, dogs, mink, horses, cattle).
- PO6RR-00518-06 (AR) DIETRICH, ROBERT A, UNIVERSITY OF ALASKA, INSTITUTE OF ARCTIC BIOLOGY, FAIRBANKS, ALASKA. Resource facility for wild rodents.
- PO6RR-00529-06 (AR) SOMES, RALPH G, JR, UNIVERSITY OF CONNECTICUT, NUTRITIONAL SCI DEPT, U-17, STORRS, CONN. Registry of specialized genetic stocks (chickens, quail, turkeys).
- MO1RR-00538-06 (CLR) FRIEDMAN, EPHRAIM, BOSTON UNIV SCHOOL OF MEDICINE, 80 EAST CONCORD STREET, BOSTON, MASS. General clinical research center, adult.
- MO1RR-00533-06 0002 (CLR) MERIMBE, THOMAS J. General clinical research center, adult-Control of HGH in intact man.
- MO1RR-00533-06 0008 (CLR) BLISS, CHARLES M. General clinical research center, adult-Fat malabsorption and steatorrhea.
- MO1RR-00533-06 0009 (CLR) FINEBERG, S EDWIN. General clinical research center, adult-Small dose human growth hormone perfusion studies in forearm.
- MO1RR-00533-06 0010 (CLR) CHOBANIAN, ARAM V. General clinical research center, adult-Pathogenesis and therapy of orthostatic hypotension.
- MO1RR-00533-06 0011 (CLR) LOWENSTEIN, LEAH M. General clinical research center, adult-Effect of fasting and refeeding on ethanol metabolism.
- MO1RR-00533-06 0013 (CLR) MERIMBE, THOMAS J. General clinical research center, adult-Body composition and metabolic changes in starvation.
- MO1RR-00563-06 0018 (CLR) LONGCOPE, CHRISTOPHER. General clinical research center, adult-Metabolism of estrone sulfate.
- MO1RR-00533-06 0020 (CLR) CHARLES, DAVID. General clinical research center, adult-Absorption and metabolism of antibiotics.
- MO1RR-00533-06 0024 (CLR) MERIMBE, THOMAS J. General clinical research center, adult-Carbohydrate and insulin secretion.
- MO1RR-00533-06 0025 (CLR) LONGCOPE, CHRISTOPHER. General clinical research center, adult-Effects synthetic estrogens and progestins on metabolism of natural estrogens.
- MO1RR-00533-06 0028 (CLR) ALEXANDER, EDWARD. General clinical research center, adult-Electrolyte metabolism in forearm muscle (human).
- MO1RR-00533-06 0029 (CLR) MELBY, JAMES C. General clinical research center, adult-Aldosterone metabolism in megoblastic anemia (human).
- MO1RR-00533-06 0030 (CLR) LOWENSTEIN, LEAH M. General clinical research center, adult-Renal excretion of bile acids (human).
- MO1RR-00533-06 0031 (CLR) BRANDT, KENNETH. General clinical research center, adult-Metabolic disposition of Cl-583Na after single oral dose (human).
- MO1RR-00533-06 0035 (CLR) SULLIVAN, LOUIS W. General clinical research center, adult-Effect of alcohol on hematopoiesis (human).
- MO1RR-00533-06 0036 (CLR) SULLIVAN, LOUIS W. General clinical research center, adult-Effects of alcohol on reticuloendothelial function in man.
- MO1RR-00533-06 0037 (CLR) LEVINSKY, NORMAN. General clinical research center, adult-Aldosterone on skeletal muscle potassium metabolism (human).
- MO1RR-00533-06 0038 (CLR) LEIBOWITZ, HOWARD W. General clinical research center, adult-Azathioprine in clinical penetrating keratoplasty (human).
- MO1RR-00533-06 0039 (CLR) LONGCOPE, ROBERT. General clinical research center, adult-Mechanism of adaptation to high potassium loading in man.
- MO1RR-00533-06 0048 (CLR) DONALDSON, CHRISTOPHER. General clinical research center, adult-Alcoholic hepatitis (human).
- MO1RR-00533-06 0041 (CLR) LONGCOPE, CHRISTOPHER. General clinical research center, adult-Steroid interconversion and clearance rates (human).
- MO1RR-00533-06 0042 (CLR) CHARLES, DAVID. General clinical research center, adult-Steroidogenesis in pregnancy.
- MO1RR-00533-06 0043 (CLR) FINEBERG, S EDWIN. General clinical research center, adult-Hypopituitarism.
- MO1RR-00533-06 0044 (CLR) LOWENSTEIN, LEAH M. General clinical research center, adult-Metaraminol on intrarenal blood flow in patients with hepatorenal syndrome.
- MO1RR-00533-06 0045 (CLR) MERIMBE, THOMAS J. General clinical research center, adult-Factors modifying metabolic responsiveness to HGH (human).
- MO1RR-00533-06 0046 (CLR) LOWENSTEIN, LEAH M. General clinical research center, adult-Aminoaciduria in the nephrotic syndrome.
- MO1RR-00533-06 0047 (CLR) SULLIVAN, LOUIS W. General clinical research center, adult-Effects of alcohol on iron metabolism.
- PO7RR-00542-04 (BABC) COHN, MALDRED, UNIVERSITY OF PENNSYLVANIA, JOHNSON RESEARCH FOUNDATION, PHILADELPHIA, PA. NMR spectrometer facility.
- PO7RR-00570-04 (SSS) RIS, HANS, ZOOLOGY RESEARCH BLDG, UNIV OF WISCONSIN, MADISON, WIS. Electron microscope facility for biomedical research.
- PO6RR-00572-04 (AR) NACE, GEORGE W, UNIVERSITY OF MICHIGAN, DEPT OF ZOOLOGY, ANN ARBOR, MICH. Amphibians for health-related research.
- PO7RR-00374-03 (BABC) GRANT, DAVID M, UNIVERSITY OF UTAH, DEPARTMENT OF CHEMISTRY, SALT LAKE CITY, UTAH. Regional research facility in NMR.
- PO7RR-00576-03 (COM) PRYSTOWSKY, HARRY, MILTON S HERSHEY MEDICAL CTR, PENNSYLVANIA STATE UNIVERSITY, HERSHEY, PA. Computer facility for online data processing.
- PO7RR-00578-04 (COM) LANGRIDGE, ROBERT, FRICK CHEMICAL LABORATORY, PRINCETON UNIV, PRINCETON, N J. Special research resource for biomolecular graphics.
- MO1RR-00585-03 (CLR) SHEPHERD, JOHN T, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. General clinical research center.
- MO1RR-00585-03 0006 (CLR) GOLDSTEIN, N P. General clinical research center-Long term study of Wilsons disease (human).
- MO1RR-00585-03 0007 (CLR) MUEENTER, MANFRED D. General clinical research center-Investigational use of 3-O-methyl deca (human).
- MO1RR-00585-03 0008 (CLR) JOWSEY, J. General clinical research center-Sex hormones, calcium, vitamin D and sodium fluoride for osteoporosis (human).
- MO1RR-00585-03 0009 (CLR) GOLDSMITH, R S. General clinical research center-Therapeutic trials in metabolic bone disease (human).
- MO1RR-00585-03 0011 (CLR) JOHNSON, W J. General clinical research center-Calcium homeostasis on long-term hemodialysis (human).
- MO1RR-00585-03 0012 (CLR) KOTTKE, B A. General clinical research center-Drug effect on cholesterol degradation to bile acids (human).
- MO1RR-00585-03 0014 (CLR) FRYE, R L. General clinical research center-Effect of coronary bypass on ventricular function (human).
- MO1RR-00585-03 0017 (CLR) SMITH, L H. General clinical research center-Acquired hyperuraturia with small bowel resection (human).
- MO1RR-00585-03 0018 (CLR) REHDER, K. General clinical research center-Alveolar ventilation in anesthetized man.
- MO1RR-00585-03 0019 (CLR) KOTTKE, B A. General clinical research center-Lipoproteins in coronary heart disease (human).
- MO1RR-00585-03 0020 (CLR) DONADIO, J V JR. General clinical research center-Cyclophosphamide treatment for idiopathic membranous glomerulonephropathy (human).
- MO1RR-00585-03 0021 (CLR) WILSON, D M. General clinical research center-Effect of plasmapheresis on acid excretion in RTA in hyperparathyroidism (human).
- MO1RR-00585-03 0022 (CLR) MOLNAR, G D. General clinical research center-Interrelationships of glucagon, insulin and glucose regulation (human).
- MO1RR-00585-03 0023 (CLR) RIGGS, B L. General clinical research center-Combined therapy with calcium and calcitonin in osteoporosis (human).
- MO1RR-00585-03 0024 (CLR) RIGGS, B L. General clinical research center-Sodium fluoride in Paget's disease (human).
- MO1RR-00585-03 0025 (CLR) ENGEL, A G. General clinical research center-Lipid storage myopathy (human).
- MO1RR-00585-03 0026 (CLR) NELSON, R A. General clinical research center-Anorexia nervosa in identical twins.
- PO7RR-00592-04 (SSS) PORTER, KEITH R, UNIVERSITY OF COLORADO, DEPT OF MOLE, CELL & DEVEL BIO, BOULDER, COLO. High voltage electron microscopy of biological systems (mammals, plants, fish).
- PO6RR-00600-03 (AR) DOYLE, RICHARD R, UNIVERSITY OF MISSOURI, M154 MEDICAL SCIENCE BUILDING, COLUMBIA, MO. Research animal facility and program improvement.
- PO6RR-00602-08 (AR) GINSBURG, BENSON B, UNIVERSITY OF CONNECTICUT, BOX U-154, STORRS, CONN. SPF mouse colony for research in behavioral genetics.
- RO1RR-00609-03 (AR) WAGNER, MORRIS, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF MICROBIOLOGY, NOTRE DAME, IND. Response of gnotobiotics to specified microbial floras (mice).
- R24RR-00612-05 (SSS) DJBRASSI, CARL, STANFORD UNIVERSITY, DEPT OF CHEMISTRY, STANFORD, CALIF. Resource-related research-computer and chemistry.
- MO1RR-00626-02 (CLR) NELSON, NORMAN C, UNIV OF MISSISSIPPI MED CTR, 2500 NORTH STATE STREET, JACKSON, MISS. General clinical research center.
- MO1RR-00626-02 0005 (CLR) LANGFORD, HERBERT G. General clinical research center-Pre-eclampsia studies (human).
- MO1RR-00626-02 0041 (CLR) LANGFORD, HERBERT G. General clinical research center-Net mineralocorticoid action in the pregnant woman.
- MO1RR-00626-02 0050 (CLR) AGRAS, W STEWART. General clinical research center-Behavioral modification anorexia nervosa (human).
- MO1RR-00626-02 0051 (CLR) AGRAS, W STEWART. General clinical research center-Behavioral modification-Homosexuality (human).
- MO1RR-00626-02 0068 (CLR) AGRAS, W STEWART. General clinical research center-Effects of response prevention on compulsive behavior.
- MO1RR-00626-02 0069 (CLR) ABEL, GENE G. General clinical research center-Assessment procedures for sexual disorders.
- MO1RR-00626-02 0070 (CLR) ABEL, GENE G. General clinical research center-Analysis of fantasies of sexual deviants.
- MO1RR-00626-02 0071 (CLR) ABEL, GENE G. General clinical research center-Altering sexual fantasies as treatment of sexual deviation.
- MO1RR-00626-02 0072 (CLR) ABEL, GENE G. General clinical research center-Short term effects of sexual arousal on testosterone in homo and heterosexual men.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00626-02 0073 (CLR) BENNETT, KENNETH R. General clinical research center—Effect of maternal propranolol on newborn (human).

MO1RR-00626-02 0074 (CLR) BONAR, JEANNE R. General clinical research center—Medical treatment of malignant insulinoma (human).

MO1RR-00626-02 0075 (CLR) BONAR, JEANNE R. General clinical research center—Metabolic studies of lipostrophic diabetes (human, rats).

MO1RR-00626-02 0076 (CLR) BONAR, JEANNE R. General clinical research center—Evaluation of familial gotter.

MO1RR-00626-02 0077 (CLR) BONAR, JEANNE R. General clinical research center—Metabolic effects of propranolol in thyrotoxicosis (human).

MO1RR-00626-02 0078 (CLR) HARDY, JAMES D. General clinical research center—Body compositional changes in severe trauma (human).

MO1RR-00626-02 0079 (CLR) BARLOW, DAVID H. General clinical research center—Modification of sex role attitudes and behaviors in transsexuals.

MO1RR-00626-02 0080 (CLR) LANGFORD, HERBERT G. General clinical research center—Effect of operant conditioning of heart rate on plasma renin (human).

MO1RR-00626-02 0081 (CLR) MORRISON, FRANCIS S. General clinical research center—Effects of dromostanolone on sickle cell disease (human).

MO1RR-00626-02 0082 (CLR) MORRISON, FRANCIS S. General clinical research center—Cancer chemotherapy (human).

PO6RR-00627-04 (MAB) COHEN, CARL, UNIVERSITY OF ILLINOIS, 1853 W POLK ST, CHICAGO, ILL. Immunobiology of the laboratory rabbit.

MO1RR-00628-04 (CLR) CORTNER, JEAN A, CHILDRENS HOSPITAL, 219 BRYANT ST, BUFFALO, N Y. General clinical research center for children.

MO1RR-00628-04 0002 (CLR) ACETO, THOMAS. General clinical research center for children—Growth hormone deficiency in dwarfism.

MO1RR-00628-04 0004 (CLR) SLAUNWHITE, ROY. General clinical research center for children—Androgen and estrogen levels in plasma.

MO1RR-00628-04 0007 (CLR) MACGILLIVRAY, MARGARET. General clinical research center for children—Neuroendocrine aspects of sleep in dwarfism.

MO1RR-00628-04 0012 (CLR) BOON, DONALD. General clinical research center for children—Aggressiveness and androgen production in XY males (adults).

MO1RR-00628-04 0020 (CLR) GARRETTSON, LORNE K. General clinical research center for children—Primidone metabolism.

MO1RR-00628-04 0027 (CLR) LEVY, GERHARD. General clinical research center for children—Salicylate elimination kinetics.

MO1RR-00628-04 0083 (CLR) BARR, WILLIAM. General clinical research center for children—Pharmacokinetics of tetracycline.

MO1RR-00628-04 0035 (CLR) BEACH, DAVID. General clinical research center for children—Physiological effect of music on newborns.

MO1RR-00628-04 0036 (CLR) SOKOFF, N. General clinical research center for children—Effects of handling on development of premature infants.

MO1RR-00628-04 0037 (CLR) BRUCK, ERICKA. General clinical research center for children—Insulin resistance—Exacerbation of diabetes mellitus by insulin.

MO1RR-00628-04 0038 (CLR) ALLEN, J. General clinical research center for children—Absorption rate and excretion kinetics of riboflavin in children.

MO1RR-00628-04 0039 (CLR) OBERKIRCHER, OSCAR R. General clinical research center for children—Determination of insensible water loss.

MO1RR-00628-04 0040 (CLR) BRUCK, ERICKA. General clinical research center for children—Hyperphosphatemic—Vitamin 'D' resistant rickets.

MO1RR-00628-04 0041 (CLR) MOSOVICH, LUIS L. General clinical research center for children—Study of patients with hypophosphatasia.

MO1RR-00628-04 0042 (CLR) GARRETTSON, LORNE K. General clinical research center for children—Metabolism of diphenylhydantoin in patients with high drug levels.

MO1RR-00628-04 0043 (CLR) GARRETTSON, LORNE K. General clinical research center for children—Absorption and physiological availability of drugs.

MO1RR-00628-04 0044 (CLR) ACETO, THOMAS. General clinical research center for children—Exogenous obesity vs Cushing's disease.

MO1RR-00628-04 0045 (CLR) MITTLEMAN, A. General clinical research center for children—Nucleic acid metabolism in children with convulsive disorders, mental deficiency.

MO1RR-00628-04 0046 (CLR) LEVY, GERHARD. General clinical research center for children—The efficacy of ipsecac.

MO1RR-00628-04 0047 (CLR) GUTHRIE, R. General clinical research center for children—CNS effects and rate of intestinal absorption of phenylalanine.

MO1RR-00628-04 0048 (CLR) MOSOVICH, LUIS L. General clinical research center for children—Glucose and urea concentration of crevicular fluid in diabetic patients.

MO1RR-00628-04 0049 (CLR) LEVY, GERHARD. General clinical research center for children—Acetaminophen kinetics in children with thyroid disorders.

MO1RR-00628-04 0050 (CLR) GIACOLA, G. General clinical research center for children—Human breast milk drug studies.

MO1RR-00628-04 0051 (CLR) ACETO, THOMAS. General clinical research center for children—Temporal variation of plasma testosterone concentration.

MO1RR-00628-04 0052 (CLR) GARRETTSON, LORNE K. General clinical research center for children—Interaction of phenobarbital and diphenylhydantoin.

MO1RR-00628-04 0053 (CLR) ACETO, THOMAS. General clinical research center for children—Exercise stimulation of growth hormone secretion.

MO1RR-00628-04 0054 (CLR) GARRETTSON, LORNE K. General clinical research center for children—Studies on phenylalanine II—Absorption studies on volunteers.

MO1RR-00628-04 0055 (CLR) OGRA, P. General clinical research center for children—Immunobiology of external secretions.

MO1RR-00628-04 0056 (CLR) OGRA, P. General clinical research center for children—Clearance rate of colostrum gamma A antibody in gut.

MO1RR-00628-04 0057 (CLR) MACGILLIVRAY, MARGARET. General clinical research center for children—Phenol red study.

MO1RR-00628-04 0058 (CLR) SLAUNWHITE, ROY. General clinical research center for children—Episodic secretion of cortisol in normal children.

MO1RR-00628-04 0059 (CLR) BARR, WILLIAM. General clinical research center for children—Quingestanol acetate metabolism in women.

MO1RR-00628-04 0060 (CLR) ACETO, THOMAS. General clinical research center for children—Hypothyroidism—Therapy with single daily doses of propylthiouracil.

MO1RR-00628-04 0061 (CLR) JUDISCH, J. General clinical research center for children—Organ function in sickle cell disease.

MO1RR-00628-04 0062 (CLR) PROVOST, T. General clinical research center for children—Thymic transplant in mucocutaneous candidiasis.

MO1RR-00628-04 0063 (CLR) BEITINS, I. General clinical research center for children—Hypertension in relationship to steroid and renal disorders.

MO1RR-00628-04 0064 (CLR) BALIAH, TADLA. General clinical research center for children—Severe growth retardation and renal disease without uremia.

MO1RR-00628-04 0063 (CLR) BEITINS, I. General clinical research center for children—Aldosterone and renin activity in hypopituitary patients.

MO1RR-00628-04 0066 (CLR) BEITINS, I. General clinical research center for children—Diurnal variation of plasma corticoids, desoxycorticosterone.

MO1RR-00628-04 0067 (CLR) RENNICK, P. General clinical research center for children—Homeostatic control of plasma choline by the renal tubule.

MO1RR-00628-04 0068 (CLR) BEITINS, I. General clinical research center for children—Cortisol response to hypoglycemia—A diagnostic test for ACTH reserves.

MO1RR-00628-04 0069 (CLR) BEITINS, I. General clinical research center for children—Thyroiditis study.

MO1RR-00628-04 0070 (CLR) CHOI, T. General clinical research center for children—Studies of newborn infants receiving phototherapy (for hyperbilirubinemia).

MO1RR-00628-04 0071 (CLR) OBERKIRCHER, OSCAR R. General clinical research center for children—A patient with renal acidosis 2 degrees to high solute load.

MO1RR-00628-04 0072 (CLR) ROSENFELD, G. General clinical research center for children—Neonatal hepatitis and cirrhosis with alpha 1-trypsin inhibitor deficiency.

MO1RR-00628-04 0073 (CLR) GARRETTSON, LORNE K. General clinical research center for children—Premortary signs of sudden unexplained death in infancy.

MO1RR-00633-02 (CLR) SELDIN, DONALD W, UNIV OF TEXAS SOUTHWESTERN, 5323 HARRY HINES BLVD, DALLAS, TEXAS. General clinical research center.

MO1RR-00633-02 0001 (CLR) DIETSCHY, JOHN M. General clinical research center—Control mechanisms of cholesterologenesis in human intestine.

MO1RR-00633-02 0002 (CLR) DIETSCHY, JOHN M. General clinical research center—Hepatic and intestinal cholesterologenesis in hypercholesterolemia (human).

MO1RR-00633-02 0003 (CLR) DIETSCHY, JOHN M. General clinical research center—Inhibition of hepatic cholesterologenesis in hypercholesterolemia (human, rats).

MO1RR-00633-02 0004 (CLR) DIETSCHY, JOHN M. General clinical research center—Intestinal hypertrophy after small bowel resection (human).

MO1RR-00633-02 0005 (CLR) SPERSTEIN, MARVIN D. General clinical research center—Effect of cancer on cholesterol metabolism (human).

MO1RR-00633-02 0006 (CLR) POSTER, DANIEL W. General clinical research center—Ketogenesis in humans.

MO1RR-00633-02 0007 (CLR) WILSON, JEAN D. General clinical research center—Effects of testosterone in male pseudohermaphroditism (human).

MO1RR-00633-02 0008 (CLR) HULL, ALAN R. General clinical research center—Effect of aldactone on urinary calcium (human).

MO1RR-00633-02 0009 (CLR) TAUBER, STUART D. General clinical research center—Control of serum calcium in dialyzed uremic patients.

MO1RR-00633-02 0010 (CLR) KOKKO, JUHA P. General clinical research center—Treatment of steroid induced osteoporosis (human).

MO1RR-00633-02 0011 (CLR) HULL, ALAN R. General clinical research center—Intravascular coagulation in renal disease (human).

MO1RR-00633-02 0012 (CLR) HULL, ALAN R. General clinical research center—Effect of lymphocyte depletion on renal disease (human).

MO1RR-00633-02 0013 (CLR) MERZWIAK, DONALD. General clinical research center—Effect of lidocaine on left ventricular performance (human).

MO1RR-00633-02 0014 (CLR) MERZWIAK, DONALD. General clinical research center—Effect of lidocaine on cardiac arrhythmias (human).

MO1RR-00633-02 0015 (CLR) MERZWIAK, DONALD. General clinical research center—Effect of ethanol on the ventricular myocardium (human).

MO1RR-00633-02 0016 (CLR) MERZWIAK, DONALD. General clinical research center—Effect of atropine and pacing in slow heart rates (human).

MO1RR-00633-02 0017 (CLR) BLOMQUIST, C GUNNAR. General clinical research center—Effect of bed rest on myocardial performance and right ventricular volume (human).

MO1RR-00633-02 0018 (CLR) BLOMQUIST, C GUNNAR. General clinical research center—Physical training in postoperative congenital and valvular heart disease (human).

MO1RR-00633-02 0019 (CLR) MULLINS, CHARLES B. General clinical research center—Evaluation of cardiac function with permanent pacing (human).

MO1RR-00633-02 0020 (CLR) MULLINS, CHARLES B. General clinical research center—Evaluation of atrial pacing in heart block (human).

MO1RR-00633-02 0021 (CLR) LESHIN, S J. General clinical research center—Left ventricular function following myocardial infarction (human).

MO1RR-00633-02 0022 (CLR) LESHIN, S J. General clinical research center—Left ventricle function in chronic lung disease (human).

MO1RR-00633-02 0023 (CLR) MULLINS, CHARLES B. General clinical research center—Effects of high cardiac output state on left ventricle function (human).

MO1RR-00633-02 0024 (CLR) MULLINS, CHARLES B. General clinical research center—Effects of obesity on cardiovascular performance (human).

MO1RR-00633-02 0025 (CLR) MULLINS, CHARLES B. General clinical research center—Effects of treatment on exercise tolerance in hyperlipoproteinemia (human).

MO1RR-00633-02 0026 (CLR) WILDENTHAL, CLAUD K. General clinical research center—Free fatty acid levels in myocardial infarction (human).

MO1RR-00633-02 0027 (CLR) MULLINS, CHARLES B. General clinical research center—Right ventricular volume studies (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00633-02 0028 (CLR) MULLINS, CHARLES B. General clinical research center-Cardiac function after coronary venous bypass grafts (human).

MO1RR-00633-02 0029 (CLR) MULLINS, CHARLES B. General clinical research center-Coronary arteriography in primary myocardial and coronary disease (human).

MO1RR-00633-02 0030 (CLR) MULLINS, CHARLES B. General clinical research center-Effect of hemodialysis and peritoneal dialysis on cardiac function (human).

MO1RR-00633-02 0031 (CLR) LESHIN, S J. General clinical research center-Cardiac function with permanent pacemakers (human).

MO1RR-00633-02 0032 (CLR) WILSON, JAMES E. General clinical research center-Serial measurements of lung function during inhalation therapy (human).

MO1RR-00633-02 0033 (CLR) JOHNSON, ROBERT L. General clinical research center-Factors affecting exercise in pulmonary disease (human).

MO1RR-00633-02 0034 (CLR) JOHANSON, W G JR. General clinical research center-Clearance of radiotagged bacteria from upper respiratory tract (human).

MO1RR-00633-02 0035 (CLR) FORDTRAN, JOHN S. General clinical research center-Mechanism of human diarrhea.

MO1RR-00633-02 0036 (CLR) COMBES, BURTON. General clinical research center-Effect of phenobarbital on hepatic excretory function (human).

MO1RR-00633-02 0037 (CLR) MARVER, HARVEY S. General clinical research center-Heme synthesis and degradation in acute intermittent porphyria (human).

MO1RR-00633-02 0038 (CLR) MARVER, HARVEY S. General clinical research center-Drug metabolism in acute intermittent porphyria (human).

MO1RR-00633-02 0039 (CLR) FRENKEL, EUGENE P. General clinical research center-Metabolic fate of cancer chemotherapeutic agents (human).

MO1RR-00633-02 0040 (CLR) FRENKEL, EUGENE P. General clinical research center-Rate of exchange of vitamin B12 from blood to cerebrospinal fluid.

MO1RR-00633-02 0041 (CLR) SANFORD, JAY P. General clinical research center-Antimicrobial agents in disease states (human).

MO1RR-00633-02 0042 (CLR) SOUTHERN, PAUL M. General clinical research center-Ampicillin versus pivampicillin in urinary tract infections (human).

MO1RR-00633-02 0043 (CLR) BARNETT, JACK A. General clinical research center-Hypophyocorrachia observed in granulomatous meningitis (human).

MO1RR-00633-02 0044 (CLR) ZIFF, MORRIS. General clinical research center-Knee joint perfusion studies in rheumatoid arthritis (human).

MO1RR-00633-02 0045 (CLR) ZIFF, MORRIS. General clinical research center-Effect of immobilization on rheumatoid arthritis (human).

MO1RR-00633-02 0046 (CLR) HERNDON, J H JR. General clinical research center-Modification of barrier function in exfoliating skin disease (human).

MO1RR-00633-02 0047 (CLR) MACDONALD, PAUL C. General clinical research center-Origin of estrogens from plasma precursors (human).

MO1RR-00633-02 0048 (CLR) GANT, NORMAN F. General clinical research center-Dehydroisoandrosterone clearance in preclampsic toxemia (human).

MO1RR-00633-02 0049 (CLR) GANT, NORMAN F. General clinical research center-Renin-angiotensin system in preclampsic toxemia (human).

MO1RR-00633-02 0050 (CLR) KAPLAN, NORMAN M. General clinical research center-Mechanism of hypertension with oral contraceptives (human).

MO1RR-00633-02 0051 (CLR) KERBER, IRWIN. General clinical research center-Hormonal milieu of endometrial neoplasm (human).

MO1RR-00633-02 0052 (CLR) SCOTT, DANIEL E. General clinical research center-Pregnancy wastage and maternal folate metabolism (human).

MO1RR-00633-02 0053 (CLR) SCOTT, DANIEL E. General clinical research center-Iron requirements of pregnancy (human).

MO1RR-00633-02 0054 (CLR) SCOTT, DANIEL E. General clinical research center-Iron utilization in severely anemic females (human).

MO1RR-00633-02 0055 (CLR) JONES, ROBERT F. General clinical research center-Tumor immunity in metastatic neoplasia (human).

MO1RR-00633-02 0056 (CLR) MCCLELLAND, ROBERT N. General clinical research center-Total parenteral nutrition in surgical patients.

MO1RR-00633-02 0057 (CLR) SALYER, KENNETH E. General clinical research center-Relationship of zinc and nitrogen metabolism to wound healing (human).

MO1RR-00633-02 0058 (CLR) SHIRES, G TOM. General clinical research center-Postoperative hypnatremia (human).

MO1RR-00633-02 0059 (CLR) BAXTER, CHARLES R. General clinical research center-Effect of furosemide in postoperative oliguria (human).

MO1RR-00633-02 0060 (CLR) SUGG, W L. General clinical research center-Cardiopulmonary support in severe acute pulmonary disease (human).

MO1RR-00633-02 0061 (CLR) ECKER, ROGER E. General clinical research center-Homograft heart valves (human).

MO1RR-00633-02 0062 (CLR) DALY, DAVID D. General clinical research center-Mechanisms of coma and normal sleep.

MO1RR-00633-02 0063 (CLR) PAK, CHARLES Y C. General clinical research center-Mechanism of hypercalciuria (human).

MO1RR-00633-02 0064 (CLR) PAK, CHARLES Y C. General clinical research center-Oral cellulose phosphate therapy in hypercalciuria (human).

MO1RR-00633-02 0065 (CLR) PAK, CHARLES Y C. General clinical research center-Effect of anticonvulsants on intestinal Ca absorption in hypercalciuria (human).

MO1RR-00633-02 0066 (CLR) PAK, CHARLES Y C. General clinical research center-Osteoporosis (human).

MO1RR-00633-02 0067 (CLR) PAK, CHARLES Y C. General clinical research center-Effect of disodium etridronate in chronic stone formers (human).

MO1RR-00633-02 0068 (CLR) KEM, DAVID C. General clinical research center-Renin-aldosterone response to sodium depletion and ACTH in hypertension (human).

MO1RR-00633-02 0069 (CLR) PAK, CHARLES Y C. General clinical research center-Effect of furosemide on parathyroid function (human).

MO1RR-00633-02 0070 (CLR) KEM, DAVID C. General clinical research center-Relationship PRA, ACTH, K, Na, HGH and aldosterone in aldosteronism (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

MO1RR-00633-02 0071 (CLR) KEM, DAVID C. General clinical research center-Effect of hypercalcemia on vascular reaction to angiotensin II and norepinephrine.

PO6RR-00633-03 (AR) CULLEY, DUDLEY D, JR, LOUISIANA STATE UNIVERSITY, 249 AGRICULTURE CENTER, BATON ROUGE, LA. Development of bullfrogs for biomedical research.

PO7RR-00636-02 (BBCB) GROLLMAN, ARTHUR P. ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N Y. Special resource for NMR studies in biomolecules.

PO7RR-00636-02 0001 (BBCB) AISEN, PHILIP. Special resource for NMR studies in biomolecules-Iron binding by transferrin.

PO7RR-00636-02 0005 (BBCB) GROLLMAN, ARTHUR P. Special resource for NMR studies in biomolecules-Drug-receptor interactions.

PO7RR-00636-02 0008 (BBCB) KOWALSKY, ARTHUR. Special resource for NMR studies in biomolecules-Factors affecting electron transfer.

PO7RR-00636-02 0010 (BBCB) MARCUS, DONALD. Special resource for NMR studies in biomolecules-Conformational analysis of oligosaccharide hapten-antibody interactions.

PO7RR-00636-02 0012 (BBCB) SHEARD, BRIAN. Special resource for NMR studies in biomolecules-Phosphate transfer mechanisms.

PO7RR-00636-02 0014 (BBCB) SHEARD, BRIAN. Special resource for NMR studies in biomolecules-Apparatus for fast pulsing of slowly relaxing nuclei.

PO7RR-00636-02 0016 (BBCB) SHEARD, BRIAN. Special resource for NMR studies in biomolecules-Factors involved in heavy metal poisoning (horse).

PO7RR-00636-02 0017 (BBCB) BREWER, C F. Special resource for NMR studies in biomolecules-Complex formed by an anti-tumor agent.

PO7RR-00636-02 0018 (BBCB) KOWALSKY, ARTHUR. Special resource for NMR studies in biomolecules-Factors affecting ion transport.

PO7RR-00636-02 0019 (BBCB) TEMPS, ALFRED. Special resource for NMR studies in biomolecules-Modification of the NMR spectrometer.

PO7RR-00639-01 (MCHB) GASEL, JAY A, UNIVERSITY OF CONNECTICUT, FARMINGTON AVENUE, FARMINGTON, CONN. Interdepartmental NMR facility health center.

PO7RR-00639-01 0001 (MCHB) GASEL. Interdepartmental NMR facility health center-Polypeptide hormones and conformations of biologically important molecules.

PO7RR-00639-01 0002 (MCHB) FEINSTEIN, MAURICE B. Interdepartmental NMR facility health center-Chemical basis of anesthesia.

PO7RR-00639-01 0003 (MCHB) TANZER, MARVIN L. Interdepartmental NMR facility health center-Structure function and biogenesis of collagen.

PO7RR-00639-01 0004 (MCHB) ROTHFIELD, LAWRENCE I. Interdepartmental NMR facility health center-Interactions between protein and lipids of membrane.

PO7RR-00639-01 0005 (MCHB) STRITTMATTER, PHILIPP. Interdepartmental NMR facility health center-Cytochrome b5 and b5 reductase and lipids of endoplasmic reticulum.

PO6RR-00640-03 (AR) WOSTMANN, BERNARD S, UNIVERSITY OF NOTRE DAME, DEPARTMENT OF MICROBIOLOGY, NOTRE DAME, IND. Nutritionally defined gnotobioti development and use.

PO6RR-00640-03 0001 (AR) WOSTMANN, BERNARD S. Nutritionally defined gnotobioti development and use-Chemically defined water-soluble diet for reproducing germ free mice.

PO6RR-00640-03 0002 (AR) WOSTMANN, BERNARD S. Nutritionally defined gnotobioti development and use-Function and metabolism of germ free rodent (and dogs).

PO6RR-00640-03 0003 (AR) WOSTMANN, BERNARD S. Nutritionally defined gnotobioti development and use-Gamma globulin and antibody formation in rodents on antigen free diets.

PO6RR-00640-03 0004 (AR) WOSTMANN, BERNARD S. Nutritionally defined gnotobioti development and use-Development of defined, stable microfloras (mice, rats).

PO6RR-00640-03 0005 (AR) WOSTMANN, BERNARD S. Nutritionally defined gnotobioti development and use-Procurement of new germfree species (hamsters, gerbils).

PO7RR-00643-03 (COM) AMAREL, SAUL, RUTGERS UNIVERSITY, DEPT OF COMPUTER SCIENCE, NEW BRUNSWICK, N J. Biotechnology resource-Computers in biomedicine.

PO7RR-00643-03 0007 (COM) KULKOWSKI, C. Biotechnology resource-Computers in biomedicine-Computer-based models for glaucoma.

PO7RR-00643-03 0008 (COM) KULKOWSKI, C. Biotechnology resource-Computers in biomedicine-Medical consultant program-Glaucoma.

PO7RR-00643-03 0009 (COM) SCHWADT, CHARLES F. Biotechnology resource-Computers in biomedicine-Belief system model.

PO7RR-00643-03 0010 (COM) BRUCE, BERTRAM. Biotechnology resource-Computers in biomedicine-Representation and processing of sequences of events.

PO7RR-00643-03 0011 (COM) BEAUCAGE, DAVID R. Biotechnology resource-Computers in biomedicine-Interactive computer-aided mathematics.

PO7RR-00643-03 0012 (COM) SRINIVASAN, C V. Biotechnology resource-Computers in biomedicine-Coherent information systems.

PO7RR-00643-03 0013 (COM) SRINIVASAN, C V. Biotechnology resource-Computers in biomedicine-Template establishment system, tempest.

PO7RR-00643-03 0014 (COM) FABENS, WILLIAM. Biotechnology resource-Computers in biomedicine-Diagnosis in teaching languages-Hypothesis-oriented parsing.

MO1RR-00645-03 (CLR) LARAGH, JOHN H, COLUMBIA UNIVERSITY, 161 FORT WASHINGTON AVENUE, NEW YORK, N Y. Clinical research center.

MO1RR-00645-03 0001 (CLR) LARAGH, JOHN H. Clinical research center-Analysis of hypertension based on biochemical profiles (human).

MO1RR-00645-03 0002 (CLR) LARAGH, JOHN H. Clinical research center-Normal renin essential hypertension (human).

MO1RR-00645-03 0003 (CLR) LARAGH, JOHN H. Clinical research center-Low renin essential hypertension (human).

MO1RR-00645-03 0004 (CLR) LARAGH, JOHN H. Clinical research center-Low renin hypertension-Aldosteronism (human).

MO1RR-00645-03 0005 (CLR) LARAGH, JOHN H. Clinical research center-High renin essential hypertension (human).

MO1RR-00645-03 0006 (CLR) LARAGH, JOHN H. Clinical research center-Malignant hypertension (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

M01RR-00645-03 0007 (CLR) LARAGH, JOHN H. Clinical research center-Hypertension caused by renal disease (human).

M01RR-00645-03 0008 (CLR) LARAGH, JOHN H. Clinical research center-Hypertension in anephric man.

M01RR-00645-03 0009 (CLR) LARAGH, JOHN H. Clinical research center-Hypertension with gonadal hormone usage or pregnancy (human).

M01RR-00645-03 0010 (CLR) LARAGH, JOHN H. Clinical research center-Forms of iatrogenic hypertension (human).

M01RR-00645-03 0011 (CLR) LARAGH, JOHN H. Clinical research center-Hypertension associated with nephritis and autoimmune diseases (human).

M01RR-00645-03 0012 (CLR) WOTMAN, STEPHAN. Clinical research center-Salivary composition in hypertension (human, dogs).

M01RR-00645-03 0013 (CLR) LEVITT, MORTON. Clinical research center-Catecholamine metabolism in subtypes of hypertension (human, dogs).

M01RR-00645-03 0014 (CLR) GOCKE, DAVID J. Clinical research center-Role of Australia antigen in pathogenesis of hepatitis (human).

M01RR-00645-03 0015 (CLR) GOCKE, DAVID J. Clinical research center-Role of immune complexes in hypertension and renal disease (human).

M01RR-00645-03 0016 (CLR) GOCKE, DAVID J. Clinical research center-Treatment of fulminant viral hepatitis with hepatitis immune globulin (human).

M01RR-00645-03 0017 (CLR) RIVLIN, RICHARD S. Clinical research center-Effects of hyperthyroidism and myxedema on riboflavin metabolism (human).

M01RR-00645-03 0018 (CLR) RIVLIN, RICHARD S. Clinical research center-Regulation of tyrosine and glutamic acid by thyroid and adrenal hormones (human).

M01RR-00645-03 0019 (CLR) LEROY, E CARWILE. Clinical research center-Microcirculation in Raynauds syndrome and scleroderma.

M01RR-00645-03 0020 (CLR) WERNER, SIDNEY C. Clinical research center-The thyroid in health and disease (human).

M01RR-00645-03 0021 (CLR) SMITH, FRANK R. Clinical research center-Plasma retinol-binding protein in hepatic and renal disease (human).

M01RR-00645-03 0022 (CLR) TURINO, GERARD M. Clinical research center-Obstructive lung disease associated with alpha anti-trypsin deficiency (human).

M01RR-00645-03 0023 (CLR) MORRIS, THOMAS G. Clinical research center-Splanchnic perfusion, cardiovascular responsiveness during hepatic disease (human).

M01RR-00645-03 0024 (CLR) NOSSEL, H L. Clinical research center-Metabolism of fibrinogen and coagulation factors (human).

M01RR-00645-03 0025 (CLR) LINDENBAUM, JOHN. Clinical research center-Effect of vitamin B12 and folic acid deficiency of absorptive function (human).

M01RR-00645-03 0026 (CLR) BANK, ARTHUR. Clinical research center-Biochemical, metabolic studies of leukemias, lymphomas and solid tumors (human).

M01RR-00645-03 0027 (CLR) SCHMIDT, DONALD H. Clinical research center-Ventricular function study, pre, post-operative in valvular insufficiency (human).

M01RR-00645-03 0028 (CLR) GOODMAN, DEWITT S. Clinical research center-Metabolism and transport of cholesterol (human).

M01RR-00645-03 0029 (CLR) BUTLER, VINCENT P. Clinical research center-Clinical applications of antibodies to artificial antigens (human, sheep, dogs).

M01RR-00645-03 0030 (CLR) BANK, ARTHUR. Clinical research center-Studies of the thalassemias, hemoglobinopathies and aplastic anemias (human).

M01RR-00645-03 0031 (CLR) CANNON, PAUL J. Clinical research center-Circulatory, hormonal interrelationships in cardiac and nephrotic edema (human).

M01RR-00645-03 0032 (CLR) CANNON, PAUL J. Clinical research center-Myocardial blood flow in coronary atherosclerosis and hypertension (human).

M01RR-00645-03 0033 (CLR) CANNON, PAUL J. Clinical research center-Renal circulation in hypertensive patients.

M01RR-00645-03 0034 (CLR) BRUST, JOHN C M. Clinical research center-Cerebral circulation in hypertension and atherosclerosis (human).

M01RR-00645-03 0035 (CLR) FRANTZ, ANDREW G. Clinical research center-Prolactin (human).

M01RR-00645-03 0036 (CLR) FRANTZ, ANDREW G. Clinical research center-Posterior pituitary hormones (human).

M01RR-00645-03 0037 (CLR) HARRIS, RUTH C. Clinical research center-Enzyme defects in carbohydrate and protein disorders of the liver (human).

M01RR-00645-03 0038 (CLR) BELL, JENNIFER. Clinical research center-Human growth hormone and prolactin (human).

M01RR-00645-03 0039 (CLR) DENNING, CAROLYN R. Clinical research center-Aspects of malabsorption in cystic fibrosis (human).

M01RR-00645-03 0040 (CLR) MORISHIMA, AKIRA. Clinical research center-Gonadotropins, ACTH and sex hormones in sex development disorders (human).

M01RR-00645-03 0041 (CLR) NICHOLSON, JOHN F. Clinical research center-Control of nitrogen metabolism in pediatric patients.

M01RR-00645-03 0042 (CLR) WINTERS, ROBERT W. Clinical research center-Intravenous nutrition in infants and children.

M01RR-00645-03 0043 (CLR) WINTERS, ROBERT W. Clinical research center-Net acid balance (human).

M01RR-00645-03 0044 (CLR) WOLFF, JAMES A. Clinical research center-Hypertension and desferal chelation in thalassemia (children).

M01RR-00645-03 0045 (CLR) RACKOW, HERBERT. Clinical research center-Metabolism of halothane in infants and children.

M01RR-00645-03 0046 (CLR) SANTULLI, THOMAS V. Clinical research center-Metabolic response in short bowel syndrome and in ileostomy (infant, human).

M01RR-00645-03 0047 (CLR) LEVINE, O ROBERT. Clinical research center-Pulmonary hypertension in children with portal hypertension.

M01RR-00645-03 0048 (CLR) EPSTEIN, ROBERT M. Clinical research center-Effects of induced hypotension on peripheral circulation (human).

M01RR-00645-03 0049 (CLR) MARK, LESTER C. Clinical research center-Effect of allopurinol on sedative and anesthetic drugs (human).

M01RR-00645-03 0050 (CLR) MARK, LESTER C. Clinical research center-Effect of diazepam on sedative, anesthetic and narcotic-analgesic drugs (human).

M01RR-00645-03 0051 (CLR) MARK, LESTER C. Clinical research center-Effects of stereoisomers of various barbiturates (human).

M01RR-00645-03 0052 (CLR) MARK, LESTER C. Clinical research center-Effects of deuteration of various barbiturates (human).

M01RR-00645-03 0053 (CLR) MARK, LESTER C. Clinical research center-Effect of centrally-acting drugs on turnover rate of biogenic amines (human).

M01RR-00645-03 0054 (CLR) MARK, LESTER C. Clinical research center-Narcotic antagonists (human).

M01RR-00645-03 0055 (CLR) KATZ, RONALD L. Clinical research center-Neuromuscular blocking agents and their antagonists (human).

M01RR-00645-03 0056 (CLR) BARATZ, ROBERT A. Clinical research center-State of consciousness and hormonal control of water balance (human).

M01RR-00645-03 0057 (CLR) KATZ, RONALD L. Clinical research center-Effects of terbutaline in chronic obstructive lung disease (human).

M01RR-00645-03 0058 (CLR) EPSTEIN, RALPH A. Clinical research center-Synchronization of patients with mechanical ventilators.

M01RR-00645-03 0059 (CLR) JAGIELLO, GEORGIANA. Clinical research center-Human female meiosis.

M01RR-00645-03 0060 (CLR) PATNER, AUSTIN. Clinical research center-Effects of oral contraceptives and hypertension in atomic population (human).

M01RR-00645-03 0061 (CLR) NEYWIRTH, ROBERT S. Clinical research center-Silver nitrate cream combination for permanent tubal blockage (human).

M01RR-00645-03 0062 (CLR) PRICE, JOHN B. Clinical research center-Evaluation of hepatic reserve in cirrhosis with esophageal varices (human).

M01RR-00645-03 0063 (CLR) GUMP, FRANK E. Clinical research center-Edema formation due to altered capillary function (human).

M01RR-00645-03 0064 (CLR) PRICE, JOHN B. Clinical research center-Auxiliary and orthotopic hepatic transplantation in hepatic failure (human).

M01RR-00645-03 0065 (CLR) HIATT, ROBERT B. Clinical research center-Newly discovered active peptides in posterior pituitary (human).

M01RR-00645-03 0066 (CLR) YAHR, MELVIN D. Clinical research center-Catecholamine metabolism in parkinsonism (human).

M01RR-00645-03 0067 (CLR) CHIENS, SHU. Clinical research center-Blood rheology in acutely ill patients.

M01RR-00645-03 0068 (CLR) HARRIS, RUTH C. Clinical research center-Biochemical characteristics of glycogen storage disease (human).

M01RR-00645-03 0069 (CLR) MORISHIMA, AKIRA. Clinical research center-Pro-lactin response to TRH in somatotropin deficient children.

M01RR-00645-03 0070 (CLR) SANTULLI, THOMAS V. Clinical research center-Metabolic response to surgical trauma (human).

P07RR-00657-01 (RAD) WOLF, ALFRED P, BROOKHAVEN NATIONAL LABORATORY, MEDICAL DEPT, UPTON, N Y. A program in support of nuclear medicine.

P06RR-00658-03 (AR) KRAUS, ALAN L, UNIVERSITY OF ROCHESTER, 260 CRITTENDEN BLVD, ROCHESTER, N Y. Laboratory animal diseases.

P07RR-00655-01 (MCHA) POLTZ, RODGER L, BATTELLE MEMORIAL INSTITUTE, 505 KING AVENUE, COLUMBUS, OHIO. Regional biomedical mass spectrometry resource.

R24RR-00667-02 (COM) SHIPTON, HAROLD W, UNIVERSITY OF IOWA, BIOENGR RESOURCE FACILITY, IOWA CITY, IOWA. Biomedical computer terminal system.

P07RR-00679-02 (SSS) BARGER, A CLIFFORD, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. Biotechnology resource in electronprobe analysis.

P07RR-00679-02 0002 (SSS) BEERWIKES, REINIER. Biotechnology resource in electronprobe analysis-Kidney function (human).

P07RR-00679-02 0003 (SSS) BIGGERS, JOHN D. Biotechnology resource in electronprobe analysis-Ions and early mammalian development.

P07RR-00679-02 0005 (SSS) FAWCETT, DON W. Biotechnology resource in electronprobe analysis-ionic composition of sperm in the testis and the epididymis.

P07RR-00679-02 0007 (SSS) ITO, SUSUMU. Biotechnology resource in electronprobe analysis-Potassium, sodium and chlorine ions in mouse gastric mucosa.

P07RR-00679-02 0011 (SSS) ITO, SUSUMU. Biotechnology resource in electronprobe analysis-Taste bud pores (rabbits).

P07RR-00679-02 0012 (SSS) HOUK, JAMES. Biotechnology resource in electronprobe analysis-Composition of glial cells and neurons.

P07RR-00679-02 0013 (SSS) ANDERSON, E. Biotechnology resource in electronprobe analysis-Calcium in electron microscopy kidney slices.

P07RR-00679-02 0014 (SSS) WADE, J B. Biotechnology resource in electronprobe analysis-Barium sulfate and lanthanum in the intercellular spaces of the toad bladder.

P07RR-00679-02 0015 (SSS) PAPPENHEIMER, J. Biotechnology resource in electronprobe analysis-Immediate identification of bromine in cerebrospinal fluid of goats.

P06RR-00683-03 (AR) LEWIS, ROBERT M, TUFTS UNIV SCH OF MED & DENT, 136 HARRISON AVENUE, BOSTON, MASS. Research animal diagnostic laboratory.

P06RR-00685-03 (AR) MORELAND, ALVIN F, UNIVERSITY OF FLORIDA, M-35 COLLEGE OF MEDICINE, GAINESVILLE, FLA. Resource for investigation of lab animal disease.

P06RR-00688-03 (AR) SMITH, E KAYE, WASHINGTON UNIVERSITY, P O BOX 258, EUREKA, MO. Improving animal care for research and training.

P06RR-00689-03 (AR) SMITH, E KAYE, WASHINGTON UNIVERSITY, LINDELL & SKUNKER BOULEVARDS, ST LOUIS, MO. Improvement of laboratory animal care facility.

P06RR-00693-03 (AR) BAEDER, DAVID H, UNIVERSITY OF MISSOURI, 5100 ROCKHILL ROAD, KANSAS CITY, MO. Implementation of laboratory animal facility.

R01RR-00700-03 (AR) JONAS, ALBERT M, YALE UNIVERSITY SCHOOL OF MED, 375 CONGRESS AVENUE, NEW HAVEN, CONN. Sialodacryoadenitis in the laboratory rat.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
P06RR-00702-03 (AR) MECKLEY, PAUL E. LABORATORY ANIMAL CARE, UNIVERSITY OF DELAWARE, NEWARK, DEL. Improving institutional animal resource facility.	MO1RR-00722-02 0011 (CLR) MADDREY, WILLIS C. General Clinical Research Center-Corticosteroid and immunosuppressive therapy in hepatic sarcoidosis (human).
P06RR-00704-03 (AR) VAN HOOSIER, GERALD L. JR. WASHINGTON STATE UNIVERSITY, DEPT OF VETERINARY PATHOLOGY, PULLMAN, WASH. Development and improvement of animal resources.	MO1RR-00722-02 0012 (CLR) MADDREY, WILLIS C. General Clinical Research Center-Antimitochondrial antibodies in drug related hepatitis (human).
P06RR-00706-03 (AR) GOCHENOUR, WILLIAM S. JR. UNIVERSITY OF KENTUCKY MED CTR, ROOM MM 624, LEXINGTON, KY. Improvement of experimental animal care and housing.	MO1RR-00722-02 0013 (CLR) MADDREY, WILLIS C. General Clinical Research Center-Antimitochondrial and smooth muscle antibodies in relatives of cirrhosis patients.
P07RR-00708-01 (BBCB) KAPLAN, NATHAN O. UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Special resource for NMR and mass spectrometry.	MO1RR-00722-02 0014 (CLR) LEVIN, JACK. General Clinical Research Center-Immunosuppressive therapy of chronic idiopathic thrombocytopenic purpura (human).
P07RR-00711-02 (BBCB) JARDETZKY, OLEG. STANFORD UNIV SCHOOL OF MED, DEPT OF PHARMACOLOGY, STANFORD, CALIF. High frequency NMR biotechnology resource.	MO1RR-00722-02 0015 (CLR) LEVIN, JACK. General Clinical Research Center-Evaluation of therapy for hemarthroses in hemophilia (human).
P07RR-00711-02 0001 (BBCB) JARDETZKY, OLEG. High frequency NMR biotechnology resource-Protein folding and conformational transitions in proteins (bacteria).	MO1RR-00722-02 0016 (CLR) CONLEY, C LOCKARD. General Clinical Research Center-Hemoglobinopathies particularly sickle cell anemia (human).
P07RR-00711-02 0002 (BBCB) MCCONNELL, HARDEN. High frequency NMR biotechnology resource-Structural changes in subunit-ligand interactions of allosteric proteins.	MO1RR-00722-02 0017 (CLR) MCKUSICK, VICTOR A. General Clinical Research Center-Heritable disorders of connective tissue (human).
P07RR-00711-02 0003 (BBCB) MCCONNELL, HARDEN. High frequency NMR biotechnology resource-Structure of gangliosides in vesicles.	MO1RR-00722-02 0018 (CLR) SCOTT, CHARLES I. General Clinical Research Center-Skeletal dysplasia (human).
P07RR-00711-02 0005 (BBCB) JARDETZKY, OLEG. High frequency NMR biotechnology resource-Mechanism of action of repressor protein (E coli).	MO1RR-00722-02 0019 (CLR) MCKUSICK, VICTOR A. General Clinical Research Center-New genetic disorders (human).
P07RR-00711-02 0036 (BBCB) JARDETZKY, OLEG. High frequency NMR biotechnology resource-Regulatory protein of carp white muscle.	MO1RR-00722-02 0020 (CLR) PIERCE, EDWARD R. General Clinical Research Center-Hereditary polyposis of the bowel (human).
MO1RR-00714-02 (CLR) PEACOCK, ERLE E. JR. UNIVERSITY OF ARIZONA, 1501 N CAMPBELL AVENUE, TUCSON, ARIZ. General clinical research center.	MO1RR-00722-02 0021 (CLR) WALKER, W GORDON. General Clinical Research Center-Renal transplantation and renal-adrenal aspects of hypertension (human).
MO1RR-00714-02 0005 (CLR) WITTE, CHARLES L. General clinical research center-Lymph formation greater than lymph absorption-The formula of edema (human, dogs).	MO1RR-00722-02 0022 (CLR) RUSSELL, R PATTERSON. General Clinical Research Center-Hypertension (human).
MO1RR-00714-02 0006 (CLR) WITTE, CHARLES L. General clinical research center-Lymph-An indicator of splanchnic tissue respiration (human, dogs, rats).	MO1RR-00722-02 0023 (CLR) BALL, WILMOT C. General Clinical Research Center-Genetic and other factors in chronic obstructive pulmonary disease (human).
MO1RR-00714-02 0007 (CLR) WITTE, CHARLES L. General clinical research center-Surgical physiology of hepatic cirrhosis (human, dogs).	MO1RR-00722-02 0024 (CLR) JOHNS, CARLOL J. General Clinical Research Center-Corticosteroids and immunosuppressive agents in pulmonary sarcoidosis (human).
MO1RR-00714-02 0008 (CLR) PELTIER, LEONARD. General clinical research center-The phenomenon of fat embolism (human).	MO1RR-00722-02 0025 (CLR) SKINNER, MARY D. General Clinical Research Center-Pathogenesis, immunology, management of skin diseases and solid tumors (human).
MO1RR-00714-02 0010 (CLR) DRACH, GEORGE W. General clinical research center-Urology-Homeostasis of serum, calcium and phosphorus.	MO1RR-00722-02 0026 (CLR) JONES, GEORGEANNA S. General Clinical Research Center-Etiology of dysfunctional uterine bleeding (human).
MO1RR-00714-02 0011 (CLR) DRACH, GEORGE W. General clinical research center-Antigens common to human and bacterial cells-Urinary and surgical infections.	MO1RR-00722-02 0027 (CLR) JONES, GEORGEANNA S. General Clinical Research Center-Hypothalamic-pituitary control in ovulation and corpus luteum function (human).
MO1RR-00714-02 0012 (CLR) GILDENBERG, PHILIP L. General clinical research center-Multiple endocrine neoplasia survey (human).	MO1RR-00722-02 0028 (CLR) JONES, GEORGEANNA S. General Clinical Research Center-Retention of androgens in tissue in abnormal sex differentiation (human).
MO1RR-00714-02 0013 (CLR) MARROW, GRANT. General clinical research center-Protein feeding of premature infants (human).	MO1RR-00722-02 0029 (CLR) TYSON, JOHN E. General Clinical Research Center-Obstetrical and gynecological complications in heritable disorders (human).
MO1RR-00714-02 0014 (CLR) GILDENBERG, PHILIP L. General clinical research center-Artificial eye project-implanting electrodes to project images (human).	MO1RR-00722-02 0030 (CLR) KONIGSMARK, BRUCE W. General Clinical Research Center-Hereditary deafness (human).
MO1RR-00714-02 0015 (CLR) MARCUS, FRANK I. General clinical research center-Effect of ileal bypass surgery on metabolism of cardiac glycosides (human).	MO1RR-00722-02 0031 (CLR) HACISKA, DANUTA. General Clinical Research Center-Dizziness and vestibular function in posterior fossa lesions (human).
MO1RR-00714-02 0016 (CLR) WITTE, CHARLES L. General clinical research center-Control of hypersplenism by splenectomy or splenic artery ligation (human).	MO1RR-00722-02 0032 (CLR) DELORENZO, A J DARIN. General Clinical Research Center-Studies of special senses (human).
MO1RR-00714-02 0017 (CLR) PEACOCK, ERLE E. JR. General clinical research center-Beta-aminopropionitrile fumarate in therapy of urethral strictures (human).	MO1RR-00722-02 0033 (CLR) DRACHMAN, DANIEL B. General Clinical Research Center-Treatment of Duchenne muscular dystrophy with corticosteroids (human).
P07RR-00715-02 (MBY) SHAW, ELLIOTT N. BROOKHAVEN NATIONAL LABORATORY, BIOLOGY DEPARTMENT, UPTON, N.Y. Electron microscope facility.	MO1RR-00722-02 0034 (CLR) JOHNSON, RICHARD T. General Clinical Research Center-Multiple sclerosis (human).
P07RR-00716-07 (COM) SHIPTON, HAROLD W. UNIV OF IOWA, COLL OF MEDICINE, BIOENGINEERING FACILITY, IOWA CITY, IOWA. Bioengineering resource facility.	MO1RR-00722-02 0035 (CLR) BLIZZARD, ROBERT M. General Clinical Research Center-Effect of synthetic and other ACTHS on release of tropic hormones (human, sheep).
P06RR-00718-01 (AR) DAY, PHILLIP W. UNIVERSITY OF NEW MEXICO, 915 STANFORD, N.E. RM 15, ALBUQUERQUE. Laboratory animal caging.	MO1RR-00722-02 0036 (CLR) BLIZZARD, ROBERT M. General Clinical Research Center-Growth hormone for intra-uterine and other types of growth retardation (human).
P07RR-00719-01 (MCHB) BURLINGAME, A L. SPACE SCIENCES LABORATORY, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Biomedical, clinical mass spectrometry resource.	MO1RR-00722-02 0037 (CLR) BLIZZARD, ROBERT M. General Clinical Research Center-Factors that affect the metabolic clearance rate of various hormones (human).
P06RR-00720-01 (AR) GOLDNER, HERMAN, ALBERT EINSTEIN MEDICAL CENTER, YORK & TABOR ROADS, PHILADELPHIA, PA. Improvement laboratory animal facilities.	MO1RR-00722-02 0038 (CLR) LEVY, DAVID A. General Clinical Research Center-Immunologic mechanisms in seasonal pollinosis (human).
MO1RR-00722-02 (CLR) MORGAN, RUSSELL H. THE JOHNS HOPKINS UNIVERSITY, 725 NORTH WOLFE STREET, BALTIMORE, MD. General Clinical Research Center.	MO1RR-00722-02 0039 (CLR) CAMERON, JOHN L. General Clinical Research Center-Follow-up of acute pancreatitis and hyperlipemia (human).
MO1RR-00722-02 0001 (CLR) FORTUN, NICHOLAS J. General Clinical Research Center-Left ventricular function in chronic overload of left ventricle (human).	MO1RR-00722-02 0040 (CLR) SKINNER, D B. General Clinical Research Center-Evaluation of treatment for esophageal disorders (human).
MO1RR-00722-02 0002 (CLR) CONTI, C RICHARD. General Clinical Research Center-Evaluation of therapy of unstable angina pectoris (human).	MO1RR-00722-02 0041 (CLR) BAYLUM, S B. General Clinical Research Center-Out-patient studies of patients with medullary carcinoma of thyroid gland.
MO1RR-00722-02 0003 (CLR) BIACHINE, JOSEPH R. General Clinical Research Center-Management of Parkinson's disease (human).	MO1RR-00722-02 0042 (CLR) CHARACHE, S. General Clinical Research Center-Evaluation of therapy for sickle cell anemia (human).
MO1RR-00722-02 0004 (CLR) STEVENS, M S. General Clinical Research Center-Immunosuppressive therapy in connective tissue disease (human).	MO1RR-00722-02 0043 (CLR) HILLIS, W D. General Clinical Research Center-Viral flora in glomerulonephritis (human).
MO1RR-00722-02 0005 (CLR) BLEDSOE, TURNER. General Clinical Research Center-Mineralocorticoid metabolism in hypertension and catecholamine production (human).	MO1RR-00722-02 0044 (CLR) WALKER, W GORDON. General Clinical Research Center-Androgen therapy of anemia in terminal renal failure (human).
MO1RR-00722-02 0006 (CLR) PROUT, THADDEUS E. General Clinical Research Center-Natural history of diabetic retinopathy (human).	P06RR-00726-01 (AR) WEDMAN, E EDWARD, OREGON STATE UNIVERSITY, DEPT OF VETERINARY MEDICINE, CORVALLIS, OREG. Development of laboratory animal diagnostic services.
MO1RR-00722-02 0007 (CLR) BAYLESS, THEODORE M. General Clinical Research Center-Lactase deficiency and milk intolerance (human).	P06RR-00727-01 (AR) CHRISTIE, RUSSELL J. UNIVERSITY MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MISS. Animal resource improvement.
MO1RR-00722-02 0008 (CLR) BAYLESS, THEODORE M. General Clinical Research Center-Management of inflammatory bowel disease (human).	P06RR-00729-02 (GEN) RICHARDSON, RICHARD H. UNIVERSITY OF TEXAS, 651 PATTERSON LAB, AUSTIN, TEX. Drosophila species facility-Austin, Texas.
MO1RR-00722-02 0009 (CLR) MENDELOFF, ALBERT I. General Clinical Research Center-Familial and genetic factors in inflammatory bowel disease (human).	P06RR-00731-01 (AR) WINCHESTER, WILLIAM J. UNIVERSITY OF CALIFORNIA, CALIFORNIA COLL OF MEDICINE, IRVINE, CALIF. Vivarium-remodel, equipment, cages.
MO1RR-00722-02 0010 (CLR) MENDELOFF, ALBERT I. General Clinical Research Center-Role of vitamin E in human porphyrin metabolism.	P06RR-00732-01 (AR) HOLMES, DONALD D. UNIVERSITY OF OKLAHOMA, 800 NORTHEAST 13TH STREET, OKLAHOMA CITY, OKLA. Animal resources improvement program.
	RO1RR-00739-02 (PME) KRAEMER, DUANE C. SOUTHWEST FDN FOR RES & EDUC. Development of nonhuman primate embryo transfer.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00749-02 (CLR) WYGERS, HAROLD C, ALBANY MEDICAL COLLEGE, ALBANY, N. Y. General clinical research center.	RO1RR-00753-02 (AR) BESCH, EMERSON L, KANSAS STATE UNIVERSITY, DEPT OF PHYSIOLOGICAL SCI, MANHATTAN, KANS. Definition of environmental conditions for lab animals (dogs).
MO1RR-00749-02 0001 (CLR) FURTH, EUGENE, D. General clinical research center—Congenital goiter (human).	R24RR-00754-01 (MBY) PARSONS, DONALD F, ROSWELL PARK MEMORIAL INST, 656 ELM STREET, BUFFALO, N. Y. Emulsions and image intensifier for the HVEM.
MO1RR-00749-02 0003 (CLR) GOODMAN, A DAVID. General clinical research center—Kindred with pheochromocytoma, thyroid CA, hyperparathyroidism, Cushing's disease.	PO7RR-00757-02 (COM) KRAUT, JOSEPH, UNIVERSITY OF CALIFORNIA, P O BOX 109, LA JOLLA, CALIF. Implementation of laboratory automation system.
MO1RR-00749-02 0012 (CLR) KILEY, JOHN E. General clinical research center—Uremic encephalopathy (human).	PO7RR-00757-02 0005 (COM) CORNELIUS, JOHN F. Implementation of laboratory automation system—Delivery of computing capabilities to small laboratories.
MO1RR-00749-02 0017 (CLR) POWERS, SAMUEL, JR. General clinical research center—Investigation of shock (human).	PO7RR-00757-02 0006 (COM) KRAUT, JOSEPH. Implementation of laboratory automation system—Dual computer collection of protein x-ray diffraction data.
MO1RR-00749-02 0020 (CLR) FURTH, EUGENE D. General clinical research center—Kallman's syndrome or hypogonadotropic eunuchoidism with anosmia (human).	PO7RR-00757-02 0007 (COM) ALDEN, R A. Implementation of laboratory automation system—IBM 1800 for processing protein x-ray diffraction data.
MO1RR-00749-02 0023 (CLR) HOOK, ERNEST B. General clinical research center—Neurologic and endocrinologic evaluation of young offenders with XYY karyotypes.	PO7RR-00757-02 0008 (COM) SALEMME, F R. Implementation of laboratory automation system—Protein model coordinate measurement.
MO1RR-00749-02 0024 (CLR) POLLAKA, BERNARD. General clinical research center—Immune deficiency disorders on unknown etiology (human).	PO7RR-00757-02 0009 (COM) VOLD, R L. Implementation of laboratory automation system—Pulsed nuclear magnetic resonance.
MO1RR-00749-02 0036 (CLR) TSAPOGAS, MAKIS J. General clinical research center—Thrombolytic therapy in deep vein thrombosis (human).	PO7RR-00757-02 0010 (COM) WILSON, K. Implementation of laboratory automation system—Urban scale air pollution chemistry.
MO1RR-00749-02 0029 (CLR) PORTER, IAN H. General clinical research center—Effects of plasma administration in mucopolysaccharidoses (human).	PO7RR-00757-02 0011 (COM) CORNELIUS, JOHN F. Implementation of laboratory automation system—Computer controlled photofragment spectrometer.
MO1RR-00749-02 0080 (CLR) WOLFF, GRACE. General clinical research center—Significance of arrhythmias in surgical left hemiblock (children).	PO7RR-00757-02 0012 (COM) CORK, CARL. Implementation of laboratory automation system—High speed data acquisition system for protein crystallography.
MO1RR-00749-02 0004 (CLR) MCKENBALLY, MARTIN F. General clinical research center—Does emphysema improve survival after lung cancer surgery? (human).	PO7RR-00757-02 0013 (COM) DICKERSON, R W. Implementation of laboratory automation system—Interactive computer analysis of human chromosomes.
MO1RR-00749-02 0036 (CLR) MEUWISSEN, H J. General clinical research center—Bone marrow and immunological reconstitution (human).	PO7RR-00757-02 0014 (COM) XUONG, NGUYENHUU. Implementation of laboratory automation system—Automatic film scanning device.
MO1RR-00749-02 0037 (CLR) MILORA, ROBERT. General clinical research center—Hypertension and hypokalemia without mineralocorticoid excess (human).	PO7RR-00757-02 0015 (COM) BLAGDON, D. Implementation of laboratory automation system—Tertiary structure of thyrotropin releasing factor.
MO1RR-00749-02 0038 (CLR) BALINT, JOHN A. General clinical research center—Effects of medium chain triglycerides on intestinal fluid absorption (human).	PO7RR-00757-02 0016 (COM) BLAGDON, D. Implementation of laboratory automation system—Tertiary structure of luteinizing hormone releasing factor.
MO1RR-00749-02 0039 (CLR) LEMPERT, NEIL. General clinical research center—Antilymphocyte globulin in selected renal transplantation patients.	PO7RR-00757-02 0017 (COM) PALUMBO, M. Implementation of laboratory automation system—Analysis of chemical properties of decapeptides.
MO1RR-00749-02 0040 (CLR) WOLFF, GRACE. General clinical research center—Arrhythmias in children with no anatomical heart disease.	PO7RR-00757-02 0018 (COM) BLAGDON, D. Implementation of laboratory automation system—Prediction of peptide secondary structure from primary structure.
MO1RR-00749-02 0041 (CLR) HANSON, PEGGY A. General clinical research center—Neuromuscular diseases of unknown etiology (human).	PO7RR-00757-02 0019 (COM) DICKERSON, R W. Implementation of laboratory automation system—Analysis of two mutants by interactive computer.
MO1RR-00749-02 0042 (CLR) HANSON, PEGGY A. General clinical research center—Medium chain triglyceride diet for seizure disorders (human).	PO7RR-00757-02 0020 (COM) ROBERTUS, J D. Implementation of laboratory automation system—Structure and function of proterase.
MO1RR-00749-02 0043 (CLR) SWARTZ, D P. General clinical research center—Response of ovary and trophoblast to prostaglandin in early pregnancy (human).	PO7RR-00757-02 0021 (COM) CARTER, C. Implementation of laboratory automation system—Structure and function of a high potential iron protein.
MO1RR-00749-02 0044 (CLR) HOLLANDER, DANIEL. General clinical research center—Oral prednisone in patients with malabsorption.	PO7RR-00757-02 0022 (COM) KISLUK, R. Implementation of laboratory automation system—Crystallization of dihydrofolate reductase and thymidylate synthetase.
MO1RR-00749-02 0045 (CLR) BALINT, JOHN A. General clinical research center—Dissolution of cholesterol gallstones by perfusion of cholic acid (human).	PO7RR-00757-02 0023 (COM) FREER, S. Implementation of laboratory automation system—Protein structure refinement.
MO1RR-00749-02 0046 (CLR) GOODMAN, A DAVID. General clinical research center—Danazol in treatment of precocious puberty (human).	PO7RR-00757-02 0024 (COM) SALEMME F R. Implementation of laboratory automation system—High resolution structure of cytochrome.
MO1RR-00749-02 0047 (CLR) GOODMAN, A DAVID. General clinical research center—Barter's syndrome (human).	PO7RR-00757-02 0025 (COM) HARDY, R W. Implementation of laboratory automation system—Measurements of spermatid nuclei in <i>Drosophila melanogaster</i> .
MO1RR-00749-02 0048 (CLR) GOODMAN, A DAVID. General clinical research center—Measurement of growth hormone in human plasma.	PO7RR-00757-02 0026 (COM) VOLD, R L. Implementation of laboratory automation system—Nuclear cross relaxation in pulsed nuclear magnetic resonance.
MO1RR-00749-02 0049 (CLR) OODMAN, A DAVID. General clinical research center—Treatment of glycogen storage disease, type I (human).	PO7RR-00757-02 0027 (COM) VOLD R L. Implementation of laboratory automation system—Spin echo spectroscopy.
MO1RR-00749-02 0050 (CLR) GOODMAN, A DAVID. General clinical research center—Plasma growth hormone in acromegaly (human).	PO7RR-00757-02 0028 (COM) VOLD, R L. Implementation of laboratory automation system—Selective measurements of transverse relaxation.
MO1RR-00749-02 0051 (CLR) HORTON, JOHN. General clinical research center—Adjuvant immunotherapy with muramidase prepared vaccine.	PO7RR-00757-02 0029 (COM) LING, J H. Implementation of laboratory automation system—Photofragment spectrum of ICl.
MO1RR-00749-02 0052 (CLR) PROPP, RICHARD. General clinical research center—Cerebrospinal fluid complement in multiple sclerosis (human).	PO7RR-00757-02 0030 (COM) RILEY, S J. Implementation of laboratory automation system—Photofragment spectroscopy of alkyl iodides.
MO1RR-00750-02 (CLR) JOHNSTON, CYRUS C, JR, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. General clinical research center.	PO7RR-00757-02 0031 (COM) HANCOCK, G. Implementation of laboratory automation system—Photofragment spectrum of acetone.
MO1RR-00750-02 0001 (CLR) HIGGINS, JAMES T. General clinical research center—Mineralocorticoid hypertension (human).	PO7RR-00757-02 0032 (COM) SANDER, R K. Implementation of laboratory automation system—Double absorption photofragment spectroscopy.
MO1RR-00750-02 0002 (CLR) WEINBERGER, MYRON H. General clinical research center—Renin-angiotensin-aldosterone system and sodium handling in toxemic pregnancy.	PO7RR-00757-02 0033 (COM) CLEAR, R D. Implementation of laboratory automation system—C state of I2.
MO1RR-00750-02 0003 (CLR) WEINBERGER, MYRON H. General clinical research center—Genetics of low renin hypertension (human).	PO7RR-00757-02 0034 (COM) CLEAR, R D. Implementation of laboratory automation system—Photofragment spectrum of HI.
MO1RR-00750-02 0006 (CLR) ROBERTSON, GRAY L. General clinical research center—Abnormalities of vasopressin function (human).	PO7RR-00757-02 0035 (COM) LING, J H. Implementation of laboratory automation system—Molecular alignment.
MO1RR-00750-02 0007 (CLR) JOHNSTON, C CONRAD JR. General clinical research center—Disodium etidronate in treatment of Paget's disease (human).	PO7RR-00757-02 0086 (COM) HANCOCK, G. Implementation of laboratory automation system—Ultraviolet photolysis of ozone.
MO1RR-00750-02 0010 (CLR) CLARK, CHARLES M JR. General clinical research center—Pathogenesis of hypoglycemia (human).	PO7RR-00757-02 0037 (COM) ATKINSON, G. Implementation of laboratory automation system—Production of the film 'Smog patterns'.
MO1RR-00750-02 0011 (CLR) LUMENG, LAWRENCE. General clinical research center—Apharmacogenetic study of alcohol metabolism in man.	PO7RR-00757-02 0038 (COM) BLKUS, G. Implementation of laboratory automation system—Effects of cyclical changes in emission sources on air quality.
MO1RR-00750-02 0013 (CLR) NANCE, WALTER E. General clinical research center—Genetic studies of human twins.	PO7RR-00757-02 0039 (COM) MCCOLLISTER, G. Implementation of laboratory automation system—Short term air quality forecasting using time series analysis.
MO1RR-00750-02 0014 (CLR) NANCE, WALTER E. General clinical research center—Characterization of new genetic syndromes in man.	PO7RR-00757-02 0040 (COM) BLUMSTEIN, G. Implementation of laboratory automation system—Long term air quality forecast.
MO1RR-00750-02 0015 (CLR) BAENNER, ROBERT. General clinical research center—Phagocyte functions in humans.	PO6RR-00766-02 (AR) MARSHAK, ROBERT R, UNIVERSITY OF PENNSYLVANIA, SCH OF VETERINARY MED, PHILADELPHIA, PA. Laboratory animal care program (mammals).
MO1RR-00750-02 0016 (CLR) BRANDT, IRA K. General clinical research center—Homocystinuria—Evaluation of therapy.	PO6RR-00767-01 (AR) ASHLEY, CHARLES A, MARY IMOGENE BASSETT HOSPITAL, ATWELL ROAD, COOPERSTOWN, N. Y. Renovation of animal facilities.
MO1RR-00750-02 0019 (CLR) KHAIIRI, R. General clinical research center—Abnormalities of Ca and bone metabolism in thyrotoxicosis (human).	PO6RR-00768-02 (AR) VOSS, WILLIAM R, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSUND AVENUE, HOUSTON, TEX. Improvement of animal research facilities (mammals).
MO1RR-00750-02 0020 (CLR) ANAND, S. General clinical research center—Renal function in family with proteinuria.	
MO1RR-00750-02 0021 (CLR) JOHNSTON, C CONRAD, JR. General clinical research center—Defect in cyclic AMP formation in nephrogenic diabetes insipidus (human).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

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- P06RR-00770-01 (AR) GUILLEMIN, ROGER C, SALK INST FOR BIOL STUDIES, 10010 TORREY PINES ROAD, LA JOLLA, CALIF. Upgrading laboratory animal facility and animal care.
- P06RR-00771-02 (AR) BORAKER, DAVID K, UNIVERSITY OF VERMONT, GIVEN MEDICAL BLDG, BURLINGTON, VT. Octodon degus—Development of a pedigreed colony.
- P06RR-00772-01 (AR) ROGERS, ALLAN L, UNIVERSITY OF OREGON, 3181 S W SAM JACKSON PARK RD, PORTLAND, OREG. Institutional animal resources improvement project.
- P06RR-00776-01 (AR) CHING, NATHANIEL P, ST VINCENT'S HOSP, 153 WEST 11TH STREET, NEW YORK, N Y. Improvement of animal care facilities.
- P06RR-00777-01 (AR) LINDHOLM, ERNEST P, ARIZONA STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, TEMPE, ARIZ. Improving animal care facilities.
- P06RR-00778-01 (AR) BUMPUS, F MERLIN, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. Improvement of Cleveland clinic animal facilities.
- P06RR-00779-02 (AR) NORRIS, DALE M, UNIVERSITY OF WISCONSIN, 642 RUSSELL LABORATORIES, MADISON, WIS. Defining Xyborus for biomedical research use.
- P06RR-00780-01 (AR) PANCOE, WILLIAM L, UNIVERSITY OF WYOMING, DEPT OF ZOOLOGY & PHYSIOLOGY, LARAMIE, WYO. Animal resource and facility development.
- P06RR-00782-01 (AR) MORTER, RAYMOND L, PURDUE UNIVERSITY, SCH OF VET SCI & MED, WEST LAFAYETTE, IND. Improvement of institutional animal resources.
- P06RR-00783-01 (AR) CHANG, PEI W, UNIVERSITY OF RHODE ISLAND, ROOM 1, WOODWARD HALL, KINGSTON, R I. Developing and improving institutional animal resource.
- P07RR-00785-01 (COM) LEDERBERG, JOSHUA, STANFORD UNIVERSITY, DEPARTMENT OF GENETICS, STANFORD, CALIF. S U medical experimental computing facility.
- P06RR-00704-01 (AR) FROST, WARREN W, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVE, DENVER, COLO. Animal resource improvement.
- P06RR-00787-01 (AR) BURNS, KENNETH F, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. Institutional animal resource improvement.
- P06RR-00788-01 (AR) REVEL, JEAN P, CALIFORNIA INST OF TECHNOLOGY, 1201 EAST CALIFORNIA BLVD, PASADENA, CALIF. Renovation of Kerckhoff animal facility.
- P06RR-00795-01 (AR) SOJKA, NICKOLAS J, UNIVERSITY OF VIRGINIA, 1300 JEFFERSON PARK AVENUE, CHARLOTTESVILLE, VA. University of Virginia vivarium improvement.
- P07RR-00798-01 (MCHB) SAUNDERS, MARTIN, STERLING CHEMISTRY LAB, 225 PROSPECT STREET, NEW HAVEN, CONN. Southern New England high field NMR facility.
- P06RR-00801-01 (AR) KRUEGER, PHILIP G, DARTMOUTH COLLEGE, DEPT OF BIOLOGICAL SCIENCES, HANOVER, N H. Improvement of Gilman animal care facilities.
- P06RR-00815-01 (AR) KELLOW, WILLIAM F, THOMAS JEFFERSON UNIVERSITY, 1025 WALNUT STREET, PHILADELPHIA, PA. Reconstruction and equipping of laboratory animal facilities.
- P06RR-00816-01 (AR) SEVY, ROGER W, TEMPLE UNIVERSITY, 3420 NORTH BROAD STREET, PHILADELPHIA, PA. Central laboratory animal facility program.
- P06RR-00818-01 (AR) SMITH, DAVID M, FORSYTH DENTAL CENTER, 140 FERWAY, BOSTON, MASS. Animal resource improvement.
- P06RR-00821-01 (AR) YALE, CHARLES E, UNIVERSITY HOSPITALS, MADISON, WIS. Gnotobiotic dog research resource—Univ of Wisconsin.
- MO1RR-00827-01 (CLR) MOXLEY, JOHN H, 3D, UNIVERSITY OF CALIF, SAN DIEGO, SCHOOL OF MEDICINE, BOX 109, LA JOLLA, CALIF. General clinical research center.
- MO1RR-00827-01 0001 (CLR) JONES, OLIVER W. General clinical research center—Biochemistry of cysteine biosynthesis in man.
- MO1RR-00827-01 0002 (CLR) JONES, OLIVER W. General clinical research center—Fetal gene expression in cancer-prone families.
- MO1RR-00827-01 0003 (CLR) WOHL, HERBERT. General clinical research center—Assessment of leukemic cell burden in acute leukemia (human).
- MO1RR-00827-01 0004 (CLR) GILL, GORDON, N. General clinical research center—Effect of ACTH and cyclic AMP on adrenal cancer.
- MO1RR-00827-01 0005 (CLR) BROWN, W VIRGIL. General clinical research center—Lipoprotein turnover in dietary responsive type II hyperlipoproteinemia.
- MO1RR-00827-01 0006 (CLR) FANESTIL, DARRELL D. General clinical research center—Effects of thyroid hormone on potassium balance (human).
- MO1RR-00827-01 0007 (CLR) GRUNDY, SCOTT M. General clinical research center—Causes and treatment of gallstones (human).
- MO1RR-00827-01 0008 (CLR) SEEGMILLER, J EDWIN. General clinical research center—Genetic and metabolic factors in purine synthesis in man.
- MO1RR-00827-01 0009 (CLR) JAGGER, PAUL I. General clinical research center—Effect of sodium, posture antihypertensive agents on renin-aldosterone (human).
- MO1RR-00827-01 0010 (CLR) ROSS, JOHN, JR. General clinical research center—Circulatory and pharmacologic studies in cardiac disease (human).
- MO1RR-00827-01 0011 (CLR) DEPTOS, LEONARD J. General clinical research center—Peptide hormones in calcium and skeletal metabolism (human).
- MO1RR-00827-01 0012 (CLR) GOULIAN, MEHRAN. General clinical research center—Human bone marrow transplantation.
- MO1RR-00827-01 0013 (CLR) SCHNEIDER, JERRY A. General clinical research center—Cystinosis and the Fanconi syndrome (human).
- MO1RR-00827-01 0014 (CLR) MENDOZA, STANLEY A. General clinical research center—Renal function in nephrotic syndrome of childhood.
- MO1RR-00627-01 0015 (CLR) FRIEDMAN, WILLIAM F. General clinical research center—Echocardiographic assessment in perinatal period (human).
- MO1RR-00827-01 0016 (CLR) NYHAN, WILLIAM L. General clinical research center—Investigation of inborn errors of metabolism using C13 (human).
- MO1RR-00827-01 0017 (CLR) HAMBURGER, ROBERT N. General clinical research center—Serum IgE in atopy and other diseases (human).
- MO1RR-00827-01 0018 (CLR) CONNOR, JAMES D. General clinical research center—Chemotherapy of herpesvirus infections (human).
- MO1RR-00827-01 0019 (CLR) ORLOFF, JAMES D. General clinical research center—Metabolic studies in cirrhotic ascites with portacaval shunt (human).
- MO1RR-00827-01 0020 (CLR) ORLOFF, MARSHALL J. General clinical research center—Hormone responsible for gastric secretion in portal blood (human).
- MO1RR-00827-01 0021 (CLR) ORLOFF, MARSHALL J. General clinical research center—Aldosterone secretion and the renin-angiotensin system in anephric humans.
- MO1RR-00827-01 0022 (CLR) AKESON, WAYNE H. General clinical research center—Long term study of low back pain.
- MO1RR-00827-01 0023 (CLR) YEN, SAMUEL S C. General clinical research center—Mechanisms of gonadotropin control and action (human).
- MO1RR-00827-01 0024 (CLR) YEN, SAMUEL S C. General clinical research center—Pituitary function and insulin dynamics in endometrial carcinoma and hyperplasia.
- MO1RR-00827-01 0025 (CLR) YEN, SAMUEL S C. General clinical research center—Mechanisms of hypothalamic-gonadotropin releasing hormone (human).
- MO1RR-00827-01 0027 (CLR) OBRIEN, JOHN S. General clinical research center—Enzyme infusion in Sanfilippo type B.
- MO1RR-00827-01 0028 (CLR) OBRIEN, JOHN S. General clinical research center—Determination of carrier state in Sanfilippo disease type B.
- MO1RR-00827-01 0030 (CLR) MASOUREDIS, SERAPEIA. General clinical research center—Metabolism of immunoglobulins and complement in hemolytic anemia (human).
- MO1RR-00827-01 0031 (CLR) MANDELL, ARNOLD J. General clinical research center—Effects of 5-hydroxytryptophan on tolerance and withdrawal in narcotics addicts.
- MO1RR-00827-01 0032 (CLR) NYHAN, WILLIAM L. General clinical research center—Therapy of inborn errors of metabolism by enzyme replacement.
- MO1RR-00827-01 0033 (CLR) SEEGMILLER, J EDWIN. General clinical research center—Effect of serum urate concentration on fibrinogen peptide production (human).
- MO1RR-00827-01 0054 (CLR) SEEGMILLER, J EDWIN. General clinical research center—Enzyme replacement therapy through extracorporeal circulation (chickens).
- MO1RR-00827-01 0035 (CLR) JUDD, HOWARD L. General clinical research center—Gonadotropins and sex steroids in drug abuse.
- MO1RR-00827-01 0036 (CLR) SEEGMILLER, J EDWIN. General clinical research center—New approaches to treatment of inborn errors of metabolism.
- MO1RR-00828-01 (CLR) BOLINGER, ROBERT E, KANSAS UNIV MEDICAL CENTER, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. General clinical research center.
- MO1RR-00828-01 0001 (CLR) LUKERT, BARBARA. General clinical research center—Long term corticosteroid therapy (human).
- MO1RR-00828-01 0002 (CLR) LUKERT, BARBARA. General clinical research center—Effect of propranolol on bone turnover in hyperthyroidism (human).
- MO1RR-00828-01 0003 (CLR) LUKERT, BARBARA. General clinical research center—Effect of magnesium depletion on vitamin D metabolism (human).
- MO1RR-00828-01 0004 (CLR) LUKERT, BARBARA. General clinical research center—Renal stones (human).
- MO1RR-00828-01 0005 (CLR) LUKERT, BARBARA. General clinical research center—Effects of fluoride on bone (human).
- MO1RR-00828-01 0006 (CLR) LUKERT, BARBARA. General clinical research center—Effect of immobilization on hormone secretion Ca excretion and stone formation.
- MO1RR-00828-01 0007 (CLR) TUCKER, VIRGINIA L. General clinical research center—Renal osteodystrophy in children and young adults.
- MO1RR-00828-01 0008 (CLR) AZARNOFF, DANIEL L. General clinical research center—Pharmacokinetics of drugs in abnormal levels of plasma proteins (human).
- MO1RR-00828-01 0009 (CLR) AZARNOFF, DANIEL L. General clinical research center—Correlation blood levels of hypolipidemic drugs and pharmacologic effect (human).
- MO1RR-00828-01 0010 (CLR) AZARNOFF, DANIEL L. General clinical research center—Bioavailability of theophylline (human).
- MO1RR-00828-01 0011 (CLR) HURWITZ, ARYEH. General clinical research center—Effect of antacids on gastric emptying in man.
- MO1RR-00828-01 0012 (CLR) HURWITZ, ARYEH. General clinical research center—Digoxin absorption in malabsorption (human).
- MO1RR-00828-01 0013 (CLR) HURWITZ, ARYEH. General clinical research center—Determination of disulfiram metabolites in urine (human).
- MO1RR-00828-01 0014 (CLR) HURWITZ, ARYEH. General clinical research center—Aluminum toxicity (human).
- MO1RR-00828-01 0015 (CLR) DIEDERICH, DENNIS A. General clinical research center—Prevention of sickling by carbamylation.
- MO1RR-00828-01 0016 (CLR) ZIEGLER, DEWEY K. General clinical research center—Relationship of serotonin metabolism to headache (human).
- MO1RR-00828-01 0017 (CLR) AZARNOFF, DANIEL L. General clinical research center—Effect of colestipol on GI absorption of chlorothiazide.
- MO1RR-00828-01 0018 (CLR) AZARNOFF, DANIEL L. General clinical research center—Colchicine metabolism in goat (human).
- MO1RR-00828-01 0019 (CLR) HURWITZ, ARYEH. General clinical research center—Effect of anticholinergic and antacid drugs on absorption of oral drugs (human).
- MO1RR-00828-01 0020 (CLR) BOLINGER, ROBERT E. General clinical research center—Gluconeogenesis in obese subjects.
- MO1RR-00828-01 0021 (CLR) KLOTZ, ARTHUR. General clinical research center—Depress therapy in peptic ulcer (human).
- MO1RR-00828-01 0022 (CLR) SCHUAKE, R. NEIL. General clinical research center—Effect of clomiphene on pituitary-gonadal axis in infertile males.
- MO1RR-00828-01 0023 (CLR) TUCKER, VIRGINIA L. General clinical research center—Hydrogen ion retention in diabetic acidosis and ketosis.
- MO1RR-00828-01 0024 (CLR) SCHUAKE, R. NEIL. General clinical research center—Immunologic and genetic study of CRST syndrome.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
MO1RR-00828-01 0025 (CLR) AZARNOFF, DANIEL L. General clinical research center—Chronic use of ephedrine and tolerance to broncho-dilator effect (human).	MO1RR-00823-01 0024 (CLR) MULLER-EBERHARD, URSUAL. General clinical research center—Hemopexin in diseases of aberrant porphyrin and iron metabolism (human).
MO1RR-00828-01 0026 (CLR) MEEK, JOSEPH C. General clinical research center—Nocturnal growth hormone secretion in obesity (human).	MO1RR-00823-01 0025 (CLR) CROSSBY, WILLIAM H. General clinical research center—Gastrointestinal iron loss in hemochromatosis (human).
MO1RR-00828-01 0027 (CLR) MEEK, JOSEPH C. General clinical research center—Relationship of HGH release to adrenal-pituitary axis in acromegaly (human).	MO1RR-00823-01 0026 (CLR) CROSSBY, WILLIAM H. General clinical research center—Effect of pharmaceutical iron on non-iron deficient people.
MO1RR-00828-01 0028 (CLR) SCHIMKE, R. NEIL. General clinical research center—Familial neurodegenerative disease.	MO1RR-00823-01 0027 (CLR) CROSSBY, WILLIAM H. General clinical research center—Plasmapheresis treatment of familial Mediterranean fever.
MO1RR-00828-01 0029 (CLR) MEEK, JOSEPH C. General clinical research center—Effect of L-DOPA administration to obese patients.	MO1RR-00633-01 0029 (CLR) TAVASSOU, MEHDI. General clinical research center—Hemopoietic conversion of aplastic marrow (human).
MO1RR-00828-01 0030 (CLR) BOLINGER, ROBERT E. General clinical research center—Use of clomiphene in evaluation of human pituitary function.	MO1RR-00823-01 0030 (CLR) TAVASSOU, MEHDI. General clinical research center—Implantation of autologous human marrow.
MO1RR-00828-01 0031 (CLR) RUCKER, VIRGINIA L. General clinical research center—Hereditary renal diseases (human).	MO1RR-00833-01 0031 (CLR) WILSON, CURTIS B. General clinical research center—Antigen identification in immune complex mediated glomerulonephritis (human).
MO1RR-00828-01 0032 (CLR) BOLINGER, ROBERT E. General clinical research center—Effect of regulation on natural history of diabetes (human).	MO1RR-00823-01 0032 (CLR) WILSON, CURTIS B. General clinical research center—Autoimmunity in renal tubular acidosis and hypergammaglobulinemia (human).
MO1RR-00828-01 0033 (CLR) HARTMAN, GERALD V. General clinical research center—Combined radiation therapy and immunotherapy for lung carcinoma (human).	MO1RR-00823-01 0033 (CLR) JOHNSON, JOHN S. General clinical research center—Rheumatoid arthritis (human).
MO1RR-00828-01 0034 (CLR) HARTMAN, GERALD V. General clinical research center—Combined radiation therapy and immunotherapy for CA of esophagus (human).	MO1RR-00633-01 0034 (CLR) JOHNSON, JOHN S. General clinical research center—Complement and immunoglobulin metabolism in rheumatic diseases (human).
MO1RR-00828-01 0035 (CLR) HARTMAN, GERALD V. General clinical research center—Combined radiation therapy and immunotherapy for pancreas CA (human).	MO1RR-00823-01 0035 (CLR) BLOMGREN, STEPHEN E. General clinical research center—Mechanisms of drug-induced Lupus (human).
MO1RR-00828-01 0036 (CLR) JRWELL, WILLIAM. General clinical research center—Combined chemotherapy and immunotherapy for CA of ovary and colon (human).	PO6RR-00834-01 (AR) FARNELL, DANIEL R., UNIVERSITY OF SOUTH ALABAMA, 307 UNIVERSITY BLVD, MOBILE, ALA. Vivarium development College of Medicine.
MO1RR-00828-01 0037 (CLR) BOLINGER, ROBERT E. General clinical research center—Effect on androgen metabolism in syndrome of diabetes, hirsutism and obesity.	PO6RR-00829-01 (AR) DAVIS, JOSEPH H., NEW YORK UNIV MED CENTER, 550 FIRST AVENUE, NEW YORK, N. Y. LEMSP compliance to animal welfare act 1970.
MO1RR-00828-01 0038 (CLR) GREENBERGER, NORTON J. General clinical research center—Intestinal absorption of H3-digoxin and H3-digoxin in man.	PO6RR-00840-02 (AR) VANDERLIP, JACK E., UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Animal resources equipment and facilities program.
MO1RR-00828-01 0039 (CLR) GREENBERGER, NORTON J. General clinical research center—Interruption of enterohepatic circulation of digitals (rodents, human).	PO6RR-00641-01 (AR) BOYER, CLYDE I, JR., NEW YORK ST VETERINARY COLL, CORNELL UNIVERSITY, ITHACA, N. Y. Equipment for animal resources facility.
MO1RR-00828-01 0040 (CLR) FRIESEN, STANLEY R. General clinical research center—Glucose metabolism in acid peptic disease before and after surgery (human).	PO6RR-00843-01 (AR) WAMPLER, STANLEY N., FEDERATED MEDICAL RESOURCES, 230 NORTH BROAD STREET, PHILADELPHIA, PA. Animal resource center program.
MO1RR-00828-01 0041 (CLR) SCHLOERB, PAUL R. General clinical research center—Body composition in respiratory failure (human).	PO6RR-00844-02 (AR) NEWBERNE, PAUL M., MASS INST OF TECHNOLOGY, 50 AMES STREET, CAMBRIDGE, MASS. New Syrian hamster genetic pool—A resource.
MO1RR-00828-01 0042 (CLR) SCHLOERB, PAUL R. General clinical research center—Body composition (human).	PO6RR-00846-01 (AR) WAGNER, JOSEPH L., DUKE UNIVERSITY MED CENTER, BOX 3180, DURHAM, N. C. Duke animal resources program improvement (mammals).
MO1RR-00828-01 0043 (CLR) SCHLOERB, PAUL R. General clinical research center—Amino acid metabolism in uremia (human).	MO1RR-00647-01 (CLR) DRUCKER, WILLIAM R., UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. Clinical research centers.
PO6RR-00829-01 (AR) REDFEARN, MAXWELL S., DIVISION OF ANIMAL RESOURCES, 800 HEARST STREET, BERKELEY, CALIF. Development of Hearst Street animal resources complex.	MO1RR-00847-01 0001 (CLR) ATUK, NUZHET O. Clinical research centers—Catecholamine metabolism in familial pheochromocytoma (human).
PO6RR-00830-01 (AR) POTTER, JACOBUS, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N. Y. Animal resources improvement program.	MO1RR-00847-01 0002 (CLR) ATUK, NUZHET O. Clinical research centers—Altered catecholamine metabolism in recurrent intrahepatic jaundice (human).
PO6RR-00831-02 (AR) PARKS, STEVEN P., UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Improvement of animal resources.	MO1RR-00847-01 0003 (CLR) ATUK, NUZHET O. Clinical research centers—Catecholamines and renin metabolism in hypertensive patients on chronic dialysis.
PO6RR-00832-01 (AR) RALPH, CHARLES L., UNIVERSITY OF PITTSBURGH, DEPARTMENT OF BIOLOGY, PITTSBURGH, PA. Animal care equipment and facilities improvement.	MO1RR-00847-01 0004 (CLR) AYERS, CARLOS R. Clinical research centers—Mechanisms of sodium retention in congestive heart failure (human).
MO1RR-00833-01 (CLR) VAUGHAN, JOHN H., SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. General clinical research center.	MO1RR-00647-01 0005 (CLR) CRAIG, J. Clinical research centers—Glycogen synthetase activity and regulation in diabetes mellitus (human).
MO1RR-00833-01 0001 (CLR) VAUGHAN, JOHN H. General clinical research center—Bronchial asthma—Inhalation bronchial challenge (human).	MO1RR-00647-01 0006 (CLR) DAVIS, JOHN S. Clinical research centers—Effect of steroid therapy on circulating complexes and vascular deposits in SLE.
MO1RR-00833-01 0002 (CLR) VAUGHAN, JOHN H. General clinical research center—Bronchial asthma—Transcricoid aspiration for microbial culture (human).	MO1RR-00847-01 0007 (CLR) DUNN, JOHN T. Clinical research centers—Iodoproteins in thyroid disease (human).
MO1RR-00833-01 0003 (CLR) TAN, ENG M. General clinical research center—Antinuclear antibodies—Antigen-binding and antibody-secreting cells in disease.	MO1RR-00647-01 0008 (CLR) GASKIN, JOE H. Clinical research centers—Steroid therapy in man.
MO1RR-00833-01 0004 (CLR) TAN, ENG M. General clinical research center—Importance of antinuclear antibodies and complement in SLE (human).	MO1RR-00847-01 0009 (CLR) GWALTNEY, JACK M. Clinical research centers—Adenine arabinoside in treatment of immunosuppressed patients.
MO1RR-00833-01 0005 (CLR) CRAWFORD, IRVING P. General clinical research center—Obstructive lung disease with depressed antitrypsin levels (human).	MO1RR-00847-01 0010 (CLR) GWALTNEY, JACK M. Clinical research centers—IDU and Ara-A in herpes virus hominis encephalitis (human).
MO1RR-00833-01 0006 (CLR) DANDLIKER, WALTER B. General clinical research center—IgG and IgM antipenicillloy antibodies in penicillin hypersensitivity (human).	MO1RR-00847-01 0011 (CLR) HESS, CHARLES E. Clinical research centers—Mechanisms of altered serum transferrin in anemia (human).
MO1RR-00833-01 0007 (CLR) STOUGHTON, RICHARD B. General clinical research center—Systemic effects of topically applied glucocorticosteroids (human).	MO1RR-00847-01 0012 (CLR) HESS, CHARLES E. Clinical research centers—Hemodynamic studies on dilutional anemia in splenomegaly (human).
MO1RR-00833-01 0008 (CLR) STOUGHTON, RICHARD B. General clinical research center—Treatment of psoriasis with triacetyl azaridine (human).	MO1RR-00847-01 0013 (CLR) HESS, CHARLES E. Clinical research centers—Hematologic and metabolic adaptations in development of anemia (human).
MO1RR-00833-01 0009 (CLR) VANDERLAAN, W P. General clinical research center—Prolactin secretion in man.	MO1RR-00847-01 0014 (CLR) HORWITZ, DAVID. Clinical research centers—Regulation of cyclophosphamide dosage in connective tissue disorders (human).
MO1RR-00833-01 0010 (CLR) VANDERLAAN, W P. General clinical research center—Prolactin—Metabolic effects in man.	MO1RR-00847-01 0015 (CLR) JOHANSON, ANN. Clinical research centers—Serum and urine gonadotropin levels in abnormal sexual development (human).
MO1RR-00633-01 0011 (CLR) VANDERLAAN, W P. General clinical research center—Thyroid function (human).	MO1RR-00847-01 0016 (CLR) KITAY, JULIAN I. Clinical research centers—Adrenocortical dysfunction (human).
MO1RR-00833-01 0020 (CLR) STRUM, W B. General clinical research center—Intestinal absorption of 5-methyl tetrahydrofolic acid (human).	MO1RR-00847-01 0018 (CLR) MANDELL, GERALD L. Clinical research centers—Phagocyte function in conditions predisposing to infection (human).
MO1RR-00833-01 0021 (CLR) MONROE, LEE S. General clinical research center—Hypoalbuminemia in amebic liver abscess (human).	MO1RR-00847-01 0019 (CLR) MURAD, BERID. Clinical research centers—Regulation of cyclic nucleotide metabolism (human).
MO1RR-00633-01 0022 (CLR) REISFELD, RALPH A. General clinical research center—Quantitative expression of HL-A antigen on leukocytes of leukemia patients.	MO1RR-00847-01 0020 (CLR) MURAD, BERID. Clinical research centers—Metabolism of cyclic 3',5'-AMP and cyclic 3',5'-GMP (human).
MO1RR-00833-01 0023 (CLR) MCMILLAN, ROBERT. General clinical research center—In vivo antiplatelet activity of sera in thrombocytopenic purpura (human).	MO1RR-00647-01 0021 (CLR) MURAD, BERID. Clinical research centers—Urinary excretion of cyclic nucleotides in cystic fibrosis (human).
	MO1RR-00847-01 0022 (CLR) WHEBY, MUNSEY S. Clinical research centers—Iron absorption in man.
	MO1RR-00847-01 0023 (CLR) CAMPA, JUSTINIANO F. Clinical research centers—Treatment of myasthenia gravis with longterm administration of prednisone (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

- MO1RR-00847-01 0025 (CLR) DREIFUSS, F. E. Clinical research centers—Clonazepam treatment of absence petit mal epilepsy (human).
- MO1RR-00847-01 0026 (CLR) HANNA, GEORGE R. Clinical research centers—Evaluation of aspirin therapy for transient cerebral ischemic events (human).
- MO1RR-00847-01 0027 (CLR) HARBERT, GUY. Clinical research centers—Examination of human uterus for diurnal contraction variation.
- MO1RR-00847-01 0028 (CLR) PAULSEN, ELSA P. Clinical research centers—Insulin, lipids, hAe hemoglobin in hyperglycemia (human).
- MO1RR-00847-01 0029 (CLR) KNORR, NORMAN. Clinical research centers—L-DOPA administration in anorexia nervosa (human).
- PO6RR-00853-01 (AR) KOHN, DENNIS F. WEST VIRGINIA UNIVERSITY, MEDICAL CENTER, MORGANTOWN, W. VA. Development of university laboratory animal resources.
- PO7RR-00857-01 (SSS) KO, WEN H. CASE WESTERN RESERVE UNIV. 112 BINGHAM BUILDING, CLEVELAND, OHIO. Biomedical electronics resource.
- PO7RR-00857-01 0001 (SSS) YON, EUGENE. Biomedical electronics resource—Microelectronics laboratory.
- PO7RR-00857-01 0002 (SSS) APPLE, HOWARD. Biomedical electronics resource—Medical instrumentation laboratory.
- PO7RR-00857-01 0003 (SSS) KO, WEN H. Biomedical electronics resource—Advanced development laboratory.
- PO7RR-00857-01 0004 (SSS) FLEMING, DAVID G. Biomedical electronics resource—Clinical evaluation and education group.
- PO7RR-00862-01 (MCHB) FIELD, FRANK H. ROCKEFELLER UNIVERSITY, 1230 YORK AVENUE, NEW YORK, N. Y. Mass spectrometric bio-technology resource.
- MO1RR-00865-01 (CLR) MELLINKOFF, SHERMAN M. UNIVERSITY OF CALIF. L. A., 405 HILGARD AVENUE, LOS ANGELES, CALIF. General clinical research center.
- MO1RR-00865-01 0001 (CLR) PETER, JAMES B. General clinical research center—Possible pathogenetic mechanisms of muscle inflammatory diseases (human).
- MO1RR-00865-01 0002 (CLR) PAULUS, HAROLD E. General clinical research center—Metabolism of salicylate in rheumatoid arthritis (human).
- MO1RR-00865-01 0003 (CLR) YU, DAVID. General clinical research center—Role of thoracic duct lymphocytes in rheumatoid arthritis (human).
- MO1RR-00865-01 0004 (CLR) LIES, R. S. General clinical research center—Treatment of autoimmune diseases using antithymocyte antiserum (human).
- MO1RR-00865-01 0005 (CLR) PETER, JAMES B. General clinical research center—Congenital nonprogressive myopathies (human).
- MO1RR-00865-01 0006 (CLR) STEVENS, JACK G. General clinical research center—Evaluation of viral theory of inflammatory myopathies (human).
- MO1RR-00865-01 0007 (CLR) ULLER, ROBERT P. General clinical research center—Effect of thyrotoxicosis on insulin secretion (human).
- MO1RR-00865-01 0008 (CLR) VAN HERLE, ANDRE J. General clinical research center—Thyroglobulin turnover studies in man.
- MO1RR-00865-01 0009 (CLR) ULLER, ROBERT P. General clinical research center—Effect of aromatic monamines on serum thyroglobulin (human).
- MO1RR-00865-01 0010 (CLR) VAN HERLE, ANDRE J. General clinical research center—Circulating thyroglobulin in thyroid carcinoma (human).
- MO1RR-00865-01 0011 (CLR) DAVIDSON, MAYER B. General clinical research center—Fructose stimulated growth hormone response in diabetes mellitus (human).
- MO1RR-00865-01 0012 (CLR) DAVIDSON, MAYER B. General clinical research center—Effect of sympathetic nervous system on sodium excretion during starvation.
- MO1RR-00865-01 0013 (CLR) DAVIDSON, MAYER B. General clinical research center—Protein intake, growth hormone secretion and COH metabolism in uremia (human).
- MO1RR-00865-01 0014 (CLR) CHOPRA, INDER J. General clinical research center—Biological significance of circulating T4 (human).
- MO1RR-00865-01 0015 (CLR) ULLER, ROBERT P. General clinical research center—Human thyroidal response to LATS infusion.
- MO1RR-00865-01 0016 (CLR) SOLOMON, DAVID H. General clinical research center—Pathogenesis of hyperthyroidism in Graves disease (human).
- MO1RR-00865-01 0017 (CLR) KAPLAN, SOLOMON. General clinical research center—Adenylyl cyclase as prognosticator of response to growth hormone (human).
- MO1RR-00865-01 0018 (CLR) LIPPE, B. M. General clinical research center—Relationship of growth hormone administration to thyroidal function (human).
- MO1RR-00865-01 0019 (CLR) LIPPE, B. M. General clinical research center—Serum 17 alpha-hydroxyprogesterone in diagnosis of adrenal hyperplasia (human).
- MO1RR-00865-01 0020 (CLR) ADAMS, WILLIAM S. General clinical research center—Thiol therapy in paraproteinemia and Bence Jones proteinuria (human).
- MO1RR-00865-01 0021 (CLR) KARK, PIETER. General clinical research center—Metabolic studies of degenerative neurological diseases (human).
- MO1RR-00865-01 0022 (CLR) KARK, PIETER. General clinical research center—Trial of N-acetyl-D, L-penicillamine in mercury poisoning (human).
- MO1RR-00865-01 0023 (CLR) CATLIN, DON H. General clinical research center—Methadone absorption in narcotic-tolerant-dependent humans.
- MO1RR-00865-01 0024 (CLR) LAGASSE, LEO D. General clinical research center—Intra-arterial chemotherapy infusion for carcinoma of cervix (human).
- MO1RR-00865-01 0025 (CLR) NEUMANN, CHARLOTTE G. General clinical research center—Childhood risk factors—Relation to atherosclerosis.
- MO1RR-00865-01 0026 (CLR) FAHEY, JOHN L. General clinical research center—Bone marrow transplantation (human).
- MO1RR-00865-01 0027 (CLR) STEHMA, E. RICHARD. General clinical research center—Reconstitution in immunodeficiencies (human).
- MO1RR-00865-01 0028 (CLR) STEHMA, E. RICHARD. General clinical research center—Immunoglobulin metabolism in immunodeficiency states (human).
- MO1RR-00865-01 0029 (CLR) GONICK, HARVEY C. General clinical research center—Osteodystrophy secondary to renal tubular states (human).
- MO1RR-00865-01 0030 (CLR) FINERMAN, G. A. General clinical research center—Effect of disodium etidronate on Paget's disease of bone (human).
- MO1RR-00865-01 0031 (CLR) LEE, DAVID S. N. General clinical research center—Idiopathic hypercalciuria (human).
- MO1RR-00865-01 0032 (CLR) STECKEL, RICHARD, J. General clinical research center—Protection of kidney during radiation therapy for abdominal neoplasms (human).
- MO1RR-00865-01 0033 (CLR) MENKES, JOHN M. General clinical research center—Neuroendocrine control mechanisms in Huntington's disease (human).
- MO1RR-00865-01 0034 (CLR) AMIENT, M. General clinical research center—Structure and function of GI tract in acrodermatitis enteropathica (human).
- MO1RR-00865-01 0035 (CLR) AMIENT, M. General clinical research center—Changes in intestinal mucosa in milk-protein induced GI injury (human).
- MO1RR-00865-01 0036 (CLR) AMIENT, M. General clinical research center—Eosinophilic gastroenteritis (human).
- MO1RR-00865-01 0037 (CLR) AMIENT, M. General clinical research center—Relationship of selective IgA deficiency to celiac sprue (human).
- MO1RR-00865-01 0038 (CLR) KORETZ, RONALD. General clinical research center—Evaluation of hepatitis B antigen carriers (human).
- MO1RR-00865-01 0039 (CLR) YOUNG, LOWELL S. General clinical research center—Pharmacologic studies in antimicrobial therapy (human).
- PO6RR-00866-01 (AR) STEVENS, LAWRENCE E. ST. LUKE'S HOSPITAL CENTER, 114TH ST & AMSTERDAM AVENUE, NEW YORK, N. Y. Development and improvement of an animal care facility.
- PO6RR-00869-01 (AR) BAIR, WILLIAM J. PACIFIC NORTHWEST LABORATORIES, POST OFFICE BOX 999, RICHLAND, WASH. Strengthening a centralized animal resources center.
- PO6RR-00870-01 (AR) BARTH, ROGER A. STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVENUE, MENLO PARK, CALIF. Animal care facility improvements.
- PO6RR-00872-01 (AR) THERAN, PETER, BOSTON UNIVERSITY, 80 E CONCORD STREET, BOSTON, MASS. Boston University Medical Center Animal Resource Improvement.
- PO6RR-00874-01 (AR) JONES, JIMMY B. UNIVERSITY OF TENNESSEE, 1924 ALCOA HIGHWAY, KNOXVILLE, TENN. Establishment of a diagnostic pathology laboratory.
- PO6RR-00877-01 (AR) LUIK, JACK R. UNIVERSITY OF ALASKA, INSTITUTE OF ARCTIC BIOLOGY, FAIRBANKS, ALASKA. Renovation of Cantwell biological field station.
- PO6RR-00878-01 (AR) JONES, WILLIAM O. TUSKEGEE INSTITUTE, SCH OF VETERINARY MEDICINE, TUSKEGEE INSTITUTE, ALA. Development of a centralized animal resource facility.
- RO1RR-00835-01 (VR) SCOTT, FREDRIC W. CORNELL UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, ITHACA, N. Y. Herpes virus vaccines in laboratory cats.
- PO6RR-00890-01 (AR) SHADDUCK, JOHN A. UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Animal resources disease laboratory.
- PO7RR-00890-01 (COM) BROOKS, FREDERICK P. UNIVERSITY OF NORTH CAROLINA, DEPT OF COMPUTER SCIENCE, CHAPEL HILL, N. C. Interactive graphics for molecular studies (computer).
- RO1RR-00902-01 (AR) AMEND, JAMES F. WASHINGTON STATE UNIVERSITY, OFFICE OF LAB ANIMAL RESOURCES, PULLMAN, WASH. Physiology and behavior in caged random source dogs.
- RO1RR-00910-01 (PME) SOUTHWICK, CHARLES H. JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. Primate population studies.
- RO1RR-00938-01 (TMP) SHADDUCK, JOHN A. UNIVERSITY OF TEXAS, 5323 HARRY HINES BOULEVARD, DALLAS, TEX. Diagnosis and control of mammalian encephalitozoonosis (rabbits).
- NO1RR-04113-10 (***) CASTLEMAN, PAUL A. CAMBRIDGE, MASSACHUSETTS. Development of prophet system for computer.
- NO1RR-04136-09 (***) FISHER, ROBERT M. PITTSBURGH, PENNSYLVANIA. Electron microscopy services to biomedical scientists.
- SO1RR-05300-13 (NSS) MC CALLUM, CHARLES A. UNIV OF ALABAMA SCH OF DENT, UNIVERSITY STATION, BIRMINGHAM, ALA. General research support (dental school).
- SO1RR-05303-13 (NSS) CRAWFORD, WILLIAM H. UNIV OF SOUTHERN CALIFORNIA, 925 WEST 34TH STREET, LOS ANGELES, CALIF. General research support (dental school).
- SO1RR-05304-13 (NSS) DIXON, ANDREW D. UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF. General research support (dental school).
- SO1RR-05305-13 (NSS) PAVONE, BEN W. UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CTR, SAN FRANCISCO, CALIF. General research support (dental school).
- SO1RR-05306-13 (NSS) HANABLSBACH, CLIFTON K. GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD, N W, WASHINGTON, D. C. General research support (dental school).
- SO1RR-05308-13 (NSS) HUNT, LINDSAY M. EMORY UNIVERSITY, 1462 CLIFTON ROAD, N. E. ATLANTA, GA. General research support (dental school).
- SO1RR-05309-13 (NSS) YALE, SEYMOUR M. UNIVERSITY OF ILLINOIS, 801 SOUTH PAULINA STREET, CHICAGO, ILL. General research support (dental school).
- SO1RR-05311-13 (NSS) HARRIS, STANLEY C. NORTHWESTERN UNIV DENTAL SCH, 311 E CHICAGO AVENUE, CHICAGO, ILL. General research support (dental school).
- SO1RR-05312-13 (NSS) MC DONALD, RALPH E. INDIANA UNIVERSITY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND. General research support (dental school).
- SO1RR-05313-13 (NSS) FISHER, ALTON K. UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA. General research support (dental school).
- SO1RR-05314-13 (NSS) BOHANNAN, HARRY M. UNIVERSITY OF KENTUCKY, DENTAL SCIENCE BUILDING, LEXINGTON, KY. General research support (dental school).
- SO1RR-05315-12 (NSS) LANDAY, MERWYN A. UNIV OF LOUISVILLE SCH OF DENT, HEALTH SCIENCES CENTER, LOUISVILLE, KY. General research support (dental school).
- SO1RR-05317-10 (NSS) SALLEY, JOHN J. UNIVERSITY OF MARYLAND, 618 WEST LOMBARD STREET, BALTIMORE, MD. General research support (dental school).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(cont'd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

501RR-05318-13 (NSS) GOLDHABER, PAUL, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS. General research support (dental school).

501RR-05319-13 (NSS) SHWA, ROBERT B, TUFTS UNIV SCH OF DENTAL MED, 136 HARRISON AVENUE, BOSTON, MASS. General research support (dental school).

501RR-05321-13 (NSS) MANN, WILLIAM R, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE, ANN ARBOR, MICH. General research support (dental school).

501RR-05322-13 (NSS) SCHAPPER, ERWIN M, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN. General research support (dental school).

501RR-05323-13 (NSS) ROBINSON, HAMILTON B G, UNIV OF MISSOURI AT KANS CITY, 650 EAST 25TH STREET, KANSAS CITY, MO. General research support (dental school).

501RR-05330-13 (NSS) PHIPPS, GRANT T, STATE UNIV OF N Y AT BUFFALO, SCHOOL OF DENTISTRY, BUFFALO, N Y. General research support (dental school).

501RR-05331-13 (NSS) ZEGARELLI, EDWARD V, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y. General research support (dental school).

501RR-05332-13 (NSS) BLECHMAN, HARRY, NEW YORK UNIVERSITY, 421 FIRST AVENUE, NEW YORK, N Y. General research support (dental school).

501RR-05333-13 (NSS) SAILEY, GARY R, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF DENTISTRY, CHAPEL HILL, N C. General research support (dental school).

501RR-05335-13 (NSS) SCOTT, DAVID B, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OHIO. General research support (dental school).

501RR-05336-13 (NSS) GABLER, WALTER L, UNIV OF OREGON DENTAL SCHOOL, 611 S W CAMPUS DRIVE, PORTLAND, OREG. General research support (dental school).

501RR-05337-13 (NSS) COHEN, D WALTER, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA. General research support (dental school).

501RR-05338-13 (NSS) FORREST, EDWARD J, UNIVERSITY OF PITTSBURGH, SCHOOL OF DENTISTRY, PITTSBURGH, PA. General research support (dental school).

501RR-05341-10 (NSS) RICHARDSON, BISHA R, MEHARRY MEDICAL COLLEGE, 1005-18TH AVENUE NORTH, NASHVILLE, TENN. General research support.

501RR-05344-13 (NSS) OLSON, JOHN V, UNIV OF TEXAS DENTAL BRANCH, HEALTH SCIENCE CENTER, HOUSTON, TEX. General research support (dental school).

501RR-05346-13 (NSS) ROVIN, SHLDON, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASH. General research support (dental school).

501RR-05347-13 (NSS) BIDDINGTON, W ROBERT, WEST VIRGINIA UNIVERSITY, MEDICAL CENTER, MORGANTOWN, W VA. General research support (dental school).

501RR-05349-13 (NSS) PITTMAN, JAMES A, JR, UNIV OF ALABAMA SCH OF MED, UNIVERSITY STATION, BIRMINGHAM, ALA. General research support (medical school).

501RR-05350-13 (NSS) SHOREY, WINSTON K, UNIV OF ARKANSAS MEDICAL CTR, 4301 WEST MARKHAM, LITTLE ROCK, ARK. General research support (medical school).

501RR-05351-13 (NSS) VAN DEN NOORT, STANLEY, UNIV OF CALIFORNIA, IRVINE, CALIFORNIA COLLEGE OF MEDICINE, IRVINE, CALIF. General research support (medical school).

501RR-05352-13 (NSS) HINSHAW, DAVID B, LOMA LINDA UNIV SCH OF MED, LOMA LINDA, CALIF. General research support (medical school).

501RR-05353-13 (NSS) RICH, CLAYTON, STAMFORD UNIV SCHOOL OF MED, STAMFORD UNIV MEDICAL CENTER, STAMFORD, CALIF. General research support (medical school).

501RR-05354-13 (NSS) MELLINKOFF, SHERMAN M, UNIV OF CALIFORNIA AT L A, SCHOOL OF MEDICINE, LOS ANGELES, CALIF. General research support (medical school).

501RR-05355-13 (NSS) KREVANS, JULIUS R, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIF. General research support (medical school).

501RR-05356-13 (NSS) BAUER, FRANZ K, UNIV OF SOUTHERN CALIFORNIA, 2025 ZONAL AVENUE, LOS ANGELES, CALIF. General research support (medical school).

501RR-05357-13 (NSS) WARD, HARRY P, UNIVERSITY OF COLORADO, 4200 EAST NINTH AVENUE, DENVER, COLO. General research support (medical school).

501RR-05358-13 (NSS) EBBERT, ARTHUR, JR, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. General research support (medical school).

501RR-05359-13 (NSS) PEPPER, JAMES J, GEORGE WASHINGTON UNIVERSITY, 2300 EYE ST, N W, WASHINGTON, D C. General research support (medical school).

501RR-05360-13 (NSS) HIMMELSBACH, CLIFTON K, GEORGETOWN UNIV SCH OF MED, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C. General research support (medical school).

501RR-05361-13 (NSS) ASHE, WARREN K, HOWARD UNIVERSITY, COLLEGE OF MEDICINE, WASHINGTON, D C. General research support (medical school).

501RR-05362-13 (NSS) STETSON, CHANDLER A, UNIVERSITY OF FLORIDA, COLLEGE OF MEDICINE, GAINESVILLE, FLA. General research support (medical school).

501RR-05363-13 (NSS) PAPPER, EMANUEL M, UNIVERSITY OF MIAMI, SCHOOL OF MEDICINE, MIAMI, FLA. General research support (medical school).

501RR-05364-13 (NSS) RICHARDSON, ARTHUR P, EMORY UNIVERSITY, 201 WOODRUFF MEMORIAL BLDG, ATLANTA, GA. General research support (medical school).

501RR-05365-13 (NSS) CARTER, CURTIS H, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA. General research support (medical school).

501RR-05366-13 (NSS) HAYDALA, HENRI, CHICAGO MEDICAL SCHOOL, UNIV OF HEALTH SCIENCES, CHICAGO, ILL. General research support (medical school).

501RR-05367-13 (NSS) JACOBSON, LEON O, UNIVERSITY OF CHICAGO, PRITZKER SCHOOL OF MEDICINE, CHICAGO, ILL. General research support (medical school).

501RR-05368-13 (NSS) WELLS, JOSEPH A, LOYOLA UNIVERSITY OF CHICAGO, STRITCH SCHOOL OF MEDICINE, MAYWOOD, ILL. General research support (medical school).

501RR-05369-13 (NSS) HAMM, JEROME J, UNIVERSITY OF ILLINOIS, 1853 WEST POLK STREET, CHICAGO, ILL. General research support (medical school).

501RR-05370-13 (NSS) BCKENHOFF, JAMES E, NORTHWESTERN UNIV, MED SCHOOL, 303 EAST CHICAGO AVENUE, CHICAGO, ILL. General research support (medical school).

501RR-05371-13 (NSS) BEERING, STEVEN C, INDIANA UNIVERSITY, 1100 WEST MICHIGAN STREET, INDIANAPOLIS, IND. General research support (medical school).

501RR-05372-13 (NSS) ECKSTEIN, JOHN W, UNIVERSITY OF IOWA, COLLEGE OF MEDICINE, IOWA CITY, IOWA. General research support (medical school).

501RR-05373-13 (NSS) MULLS, RUSSELL C, UNIV OF KANSAS MEDICAL CTR, MEDICAL SCHOOL, KANSAS CITY, KANS. General research support (medical school).

501RR-05374-13 (NSS) JORDAN, WILLIAM S, JR, UNIV OF KENTUCKY, COLLEGE OF MEDICINE, LEXINGTON, KY. General research support (medical school).

501RR-05375-13 (NSS) KEENEY, ARTHUR H, UNIV OF LOUISVILLE SCH OF MED, HEALTH SCIENCES CENTER, LOUISVILLE, KY. General research support (medical school).

501RR-05376-13 (NSS) O'QUINN, SHAS E, LOUISIANA STATE UNIVERSITY, 1542 TULANE AVENUE, NEW ORLEANS, LA. General research support (medical school).

501RR-05377-13 (NSS) THURMAN, WILLIAM G, TULANE UNIV SCH OF MEDICINE, 1430 TULANE AVENUE, NEW ORLEANS, LA. General research support (medical school).

501RR-05378-13 (NSS) MORGAN, RUSSELL H, JOHNS HOPKINS UNIVERSITY, SCHOOL OF MEDICINE, BALTIMORE, MD. General research support (medical school).

501RR-05379-13 (NSS) DENNIS, JOHN M, UNIV OF MARYLAND SCHOOL OF MED, 522 W LOMBARD STREET, BALTIMORE, MD. General research support (medical school).

501RR-05380-13 (NSS) FRIEDMAN, EPHRAIM, BOSTON UNIV SCH OF MEDICINE, 80 EAST CONCORD STREET, BOSTON, MASS. General research support (medical school).

501RR-05381-13 (NSS) EBERT, ROBERT H, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS. General research support (medical school).

501RR-05382-13 (NSS) CAVAZOS, LAURO F, TUFTS UNIVERSITY SCH OF MED, 136 HARRISON AVENUE, BOSTON, MASS. General research support (medical school).

501RR-05383-13 (NSS) GRONVALL, JOHN A, UNIVERSITY OF MICHIGAN, 1335 CATHERINE STREET, ANN ARBOR, MICH. General research support (medical school).

501RR-05384-13 (NSS) WEINER, LAWRENCE M, WAYNE STATE UNIVERSITY, 540 EAST CANFIELD, DETROIT, MICH. General research support (medical school).

501RR-05385-13 (NSS) GAULT, N L, JR, UNIVERSITY OF MINNESOTA, 1360 MAYO MEMORIAL, MINNEAPOLIS, MINN. General research support (medical school).

501RR-05385-13 (NSS) NELSON, NORMAN C, UNIV OF MISSISSIPPI MED CENTER, 2500 NORTH STATE STREET, JACKSON, MISS. General research support (medical school).

501RR-05387-13 (NSS) GOLDBERG, HERBERT S, UNIVERSITY OF MISSOURI, SCHOOL OF MEDICINE, COLUMBIA, MO. General research support (medical school).

501RR-05388-13 (NSS) PELIX, ROBERT H, ST LOUIS UNIVERSITY, 1402 SOUTH GRAND BOULEVARD, ST LOUIS, MO. General research support (medical school).

501RR-05389-13 (NSS) KING, M KENTON, WASHINGTON UNIV SCH OF MED, 660 SOUTH EUCLID AVENUE, ST LOUIS, MO. General research support (medical school).

501RR-05390-13 (NSS) HOLTHAUS, JOSEPH M, CREIGHTON UNIV SCH OF MEDICINE, 2500 CALIFORNIA STREET, OMAHA, NEBR. General research support (medical school).

501RR-05391-13 (NSS) KUGEL, ROBERT B, UNIV OF NEBRASKA COLL OF MED, 42ND AND DEWEY AVE, OMAHA, NEBR. General research support (medical school).

501RR-05392-13 (NSS) STRICKLER, JAMES C, DARTMOUTH MEDICAL SCHOOL, HANOVER, N H. General research support (medical school).

501RR-05393-13 (NSS) KAMNETZKY, HAROLD A, NEW JERSEY MEDICAL SCHOOL, 100 BERGEN STREET, NEWARK, N J. General research support (medical school).

501RR-05394-13 (NSS) WIGGERS, HAROLD C, ALBANY MEDICAL COLLEGE, ALBANY, N Y. General research support (medical school).

501RR-05395-13 (NSS) TAPLEY, DONALD F, COLUMBIA U COLL OF PHYS & SURG, 630 WEST 168TH STREET, NEW YORK, N Y. General research support (medical school).

501RR-05396-13 (NSS) BUCHANAN, J ROBERT, CORNELL UNIV MEDICAL COLLEGE, 1300 YORK AVENUE, NEW YORK, N Y. General research support (medical school).

501RR-05397-13 (NSS) JAFFE, ERNST R, ALBERT EINSTEIN COLL OF MED, 1300 MORRIS PARK AVE, BRONX, N Y. General research support (medical school).

501RR-05398-13 (NSS) SLOBODY, LAWRENCE B, NEW YORK MEDICAL COLLEGE, 5TH AVE AT 106TH STREET, NEW YORK, N Y. General research support (medical school).

501RR-05399-13 (NSS) BENNETT, IVAN L, NEW YORK UNIV MEDICAL CENTER, 550 FIRST AVENUE, NEW YORK, N Y. General research support (medical center).

501RR-05400-13 (NSS) RANDALL, CLYDE, STATE UNIV OF NY AT BUFFALO, SCHOOL OF MEDICINE, BUFFALO, NY. General research support (medical school).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
501RR-05401-13 (NSS) PLUMPTON, CALVIN H, SUNY-DOWNSTATE MEDICAL CENTER, 450 CLARKSON AVENUE, BROOKLYN, N. Y. General research support (medical school).	501RR-05435-13 (NSS) CROWLEY, LAWRENCE, UNIV OF WISCONSIN MED SCH, 610 WALNUT STREET, MADISON, WIS. General research support (medical school).
501RR-05402-13 (NSS) SCHMIDT, RICHARD P, SUNY-UPSTATE MEDICAL CENTER, 750 EAST ADAMS STREET, SYRACUSE, N. Y. General research support (medical center).	501RR-05441-13 (NSS) WINKELSTEIN, WARREN, JR, UNIVERSITY OF CALIFORNIA, 19 EARL WARREN HALL, BERKELEY, CALIF. General research support (public health school).
501RR-05403-13 (NSS) ORBISON, J LOWELL, UNIVERSITY OF ROCHESTER, SCHOOL OF MEDICINE, ROCHESTER, N. Y. General research support (medical school).	501RR-05442-13 (NSS) BRESLOW, LESTER, UNIVERSITY OF CALIFORNIA, 405 HILGARD, LOS ANGELES, CALIF. General research support (public health school).
501RR-05404-13 (NSS) HERNDON, C NASH, BOWMAN GRAY SCH OF MEDICINE, WINSTON-SALEM, N. C. General research support (medical school).	501RR-05443-13 (NSS) MC COLLUM, ROBERT W, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN. General research support (public health school).
501RR-05405-13 (NSS) ANLYAN, WILLIAM O, DUKE UNIVERSITY MEDICAL SCHOOL, BOX 3701, DURHAM, N. C. General research support (medical school).	501RR-05444-13 (NSS) BEASLEY, JOSEPH D, TULANE UNIVERSITY, 1430 TULANE AVENUE, NEW ORLEANS, LA. General research support (public health school).
501RR-05406-13 (NSS) PORDHAM, CHRISTOPHER C. 3D, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF MEDICINE, CHAPEL HILL, N. C. General research support (medical school).	501RR-05445-13 (NSS) SELTZER, RAYMOND, JOHNS HOPKINS UNIVERSITY, 615 NORTH WOLFE STREET, BALTIMORE, MD. General research support (public health school).
501RR-05407-13 (NSS) VENNIES, JOHN W, UNIVERSITY OF NORTH DAKOTA, SCHOOL OF MEDICINE, GRAND FORKS, N. DAK. General research support (medical school).	501RR-05446-13 (NSS) WHITTENBERGER, JAMES L, HARVARD SCHOOL OF PUBLIC HLTH, 55 SHATTUCK STREET, BOSTON, MASS. General research support (public health school).
501RR-05408-13 (NSS) DANIELS, ROBERT S, UNIVERSITY OF CINCINNATI, COLLEGE OF MEDICINE, CINCINNATI, OHIO. General research support (medical school).	501RR-05447-13 (NSS) WEGMAN, MYRON E, UNIVERSITY OF MICHIGAN, 3524 SCH OF PUBLIC HEALTH, ANN ARBOR, MICH. General research support (public health school).
501RR-05409-13 (NSS) CRAMBLEFT, HENRY, OHIO STATE UNIV COLLEGE OF MED, 370 WEST NINTH AVENUE, COLUMBUS, OHIO. General research support (medical school).	501RR-05448-13 (NSS) STAUFFER, LEE D, UNIVERSITY OF MINNESOTA, 1325 MAYO, MINNEAPOLIS, MINN. General research support (public health school).
501RR-05410-13 (NSS) LEE, EDOAR, JR, CASE WESTERN RESERVE UNIV, 2119 ABINGTON ROAD, CLEVELAND, OHIO. General research support (medical school).	501RR-05449-13 (NSS) BRYANT, JOHN H, COLUMBIA UNIV SCH OF PUBL HLTH, 600 WEST 168TH STREET, NEW YORK, N. Y. General research support (public health school).
501RR-05411-13 (NSS) SOKATCH, JOHN R, UNIV OF OKLAHOMA HLTH SCI CTR, P O BOX 26901, OKLAHOMA CITY, OKLA. General research support (medical school).	501RR-05450-13 (NSS) GREENBERG, B G, UNIVERSITY OF NORTH CAROLINA, SCHOOL OF PUBLIC HEALTH, CHAPEL HILL, N. C. General research support (public health school).
501RR-05412-13 (NSS) HOLMAN, CHARLES N, UNIV OF OREGON MEDICAL SCHOOL, 3181 S W SAM JACKSON PARK ROAD, PORTLAND, OREG. General research support (medical school).	501RR-05451-13 (NSS) GRIFFIN, HERSCHEL E, UNIVERSITY OF PITTSBURGH, GRAD SCH OF PUBLIC HEALTH, PITTSBURGH, PA. General research support (public health school).
501RR-05413-13 (NSS) DI PALMA, JOSEPH R, HAHNEMANN MEDICAL COLL & HOSP, 235 N 15TH STREET, PHILADELPHIA, PA. General research support (medical school).	501RR-05452-12 (NSS) O'YAN, JERRI E, UNIVERSITY OF CALIFORNIA, 926-S MEDICAL SCIENCES BLDG, SAN FRANCISCO, CALIF. General research support (school of pharmacy).
501RR-05414-13 (NSS) KELLOW, WILLIAM F, JEFFERSON MEDICAL COLLEGE, THOMAS JEFFERSON UNIVERSITY, PHILADELPHIA, PA. General research support (medical school).	501RR-05454-12 (NSS) SCHWARTZ, MICHAEL A, STATE UNIV OF N. Y. AT BUFFALO, 120 HEALTH SCIENCES BUILDING, BUFFALO, N. Y. General research support (school of pharmacy).
501RR-05415-13 (NSS) GELLHORN, ALFRED, UNIVERSITY OF PENNSYLVANIA, 37TH AND HAMILTON WALK, PHILADELPHIA, PA. General research support (medical school).	501RR-05455-12 (NSS) BIANCULLI, JOSEPH A, UNIVERSITY OF PITTSBURGH, 3501 TERRACE STREET, PITTSBURGH, PA. General research support (school of pharmacy).
501RR-05416-13 (NSS) MEDEARIS, DONALD N, JR, UNIVERSITY OF PITTSBURGH, 3550 TERRACE STREET, PITTSBURGH, PA. General research support (medical school).	501RR-05454-12 (NSS) PERLMAN, DAVID, UNIVERSITY OF WISCONSIN, SCHOOL OF PHARMACY, MADISON, WIS. General research support (school of pharmacy).
501RR-05417-13 (NSS) SEVY, ROGER W, TEMPLE UNIVERSITY SCH OF MED, 3400 NORTH BROAD STREET, PHILADELPHIA, PA. General research support (medical school).	501RR-05457-12 (NSS) PRITCHARD, WILLIAM R, UNIVERSITY OF CALIFORNIA, SCH OF VETERINARY MEDICINE, DAVIS, CALIF. General research support (veterinary medicine).
501RR-05418-13 (NSS) SIGEL, BERNARD, MEDICAL COLL OF PENNSYLVANIA, 3300 HENRY AVENUE, PHILADELPHIA, PA. General research support (medical school).	501RR-05458-12 (NSS) LUOTO, LAURI, COLORADO STATE UNIVERSITY, COLL OF VET MED & BIOMED SCIS, FORT COLLINS, COLO. General research support (veterinary medicine).
501RR-05419-13 (NSS) GHOD, CARLOS E, UNIVERSITY OF PUERTO RICO, SCHOOL OF MEDICINE, SAN JUAN, P. R. General research support (medical school).	501RR-05459-10 (NSS) MORTER, RAYMOND L, PURDUE UNIVERSITY, SCH OF VET SCI & MED, LAFAYETTE, IND. General research support (veterinary medicine).
501RR-05420-13 (NSS) COLWELL, JOHN A, MEDICAL UNIV OF SO CAROLINA, 80 BARRE STREET, CHARLESTON, S. C. General research support (medical school).	501RR-05460-12 (NSS) JONES, I MYYER, UNIVERSITY OF ILLINOIS, COLLEGE OF VETERINARY MEDICINE, URBANA, ILL. General research support (veterinary medicine).
501RR-05421-13 (NSS) PARRISH, HENRY M, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILLION, S DAK. General research support (medical school).	501RR-05461-11 (NSS) EWING, SIDNEY A, UNIVERSITY OF MINNESOTA, 256 VETERINARY SCI BUILDING, ST PAUL, MINN. General research support (veterinary medicine).
501RR-05422-13 (NSS) JOHNSON, CHARLES W, MEHARRY MEDICAL COLLEGE, 1005 - EIGHTEENTH AVE, NORTH, NASHVILLE, TENN. General research support (medical school).	501RR-05462-12 (NSS) POPPINSIEK, GEORGE C, NEW YORK STATE VETERINARY COLL, CORNELL UNIVERSITY, ITHACA, N. Y. General research support (veterinary medicine).
501RR-05423-13 (NSS) OVERMAN, RICHARD R, UNIV OF TENNESSEE COLL OF MED, 62 SOUTH DUNLAP STREET, MEMPHIS, TENN. General research support (medical school).	501RR-05463-12 (NSS) SMITH, C ROGER, OHIO STATE UNIVERSITY, 1900 COFFEY ROAD, COLUMBUS, OHIO. General research support (veterinary medicine).
501RR-05424-13 (NSS) BASS, ALAN D, VANDERBILT MEDICAL CENTER, SCHOOL OF MEDICINE, NASHVILLE, TENN. General research support (medical school).	501RR-05454-12 (NSS) MARSHAK, ROBERT R, UNIVERSITY OF PENNSYLVANIA, 3800 SPRUCE STREET, PHILADELPHIA, PA. General research support (veterinary medicine).
501RR-05425-13 (NSS) MERRILL, JOSEPH M, BAYLOR COLLEGE OF MEDICINE, 1200 MOURSLUND AVENUE, HOUSTON, TEX. General research support (medical school).	501RR-05465-12 (NSS) BUSTAD, LEO K, WASHINGTON STATE UNIV, COLL OF VETERINARY MED, PULLMAN, WASH. General research support (veterinary medicine).
501RR-05426-13 (NSS) BONTE, FREDERICK J, UNIV OF TEXAS, SOUTHWESTERN MEDICAL SCHOOL, DALLAS, TEX. General research support (medical school).	501RR-05466-08 (NSS) TRANQUADA, ROBERT E, PROFESSIONAL STAFF ASSOCIATION, LAC/USC MEDICAL CENTER, LOS ANGELES, CALIF. General research support (hospitals).
501RR-05427-13 (NSS) BRANDT, EDWARD M, JR, UNIV OF TEXAS MEDICAL BRANCH, GALVESTON, TEX. General research support (medical school).	501RR-05467-06 (NSS) ABRAHAM, SAMUEL, CHLDREN HOSP MED CTR OF N CALIF, 51ST AND GROVE STREETS, OAKLAND, CALIF. General research support.
501RR-05428-13 (NSS) DIXON, JOHN A, UNIVERSITY OF UTAH, COLLEGE OF MEDICINE, SALT LAKE CITY, UTAH. General research support (medical school).	501RR-05468-12 (NSS) RUBENSTEIN, PAUL, CEDARS-SINAI MEDICAL CENTER, 4833 FOUNTAIN AVENUE, LOS ANGELES, CALIF. General research support (hospitals).
501RR-05429-13 (NSS) LUGENBUHL, WILLIAM H, UNIVERSITY OF VERMONT, COLLEGE OF MEDICINE, BURLINGTON, VT. General research support (medical school).	501RR-05469-12 (NSS) BERGREN, WILLIAM R, CHILDRENS HOSP OF LOS ANGELES, P O BOX 54700, TERMINAL ANNEX, LOS ANGELES, CALIF. General research support (pediatric hospital).
501RR-05430-13 (NSS) PEARSE, WARREN H, MEDICAL COLLEGE OF VIRGINIA, SCHOOL OF MEDICINE, RICHMOND, VA. General research support (medical school).	501RR-05471-12 (NSS) LEVINE, RACHAMEL, CITY OF HOPE NATIONAL MED CTR, 1500 E DUARTE ROAD, DUARTE, CALIF. General research support (hospitals).
501RR-05431-13 (NSS) DRUCKER, WILLIAM R, UNIVERSITY OF VIRGINIA, SCHOOL OF MEDICINE, CHARLOTTESVILLE, VA. General research support (medical school).	501RR-05472-12 (NSS) BEADNER, SOL A, MOUNT ZION HOSP & MEDICAL CTR, 2255 VAN NESS AVENUE, SAN FRANCISCO, CALIF. General research support (hospitals).
501RR-05432-13 (NSS) VAN CITTERS, ROBERT L, UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE, SEATTLE, WASH. General research support (medical school).	501RR-05474-12 (NSS) HAROLD, FRANKLIN M, NATIONAL JEWISH HOSP AT DENVER, 3800 EAST COLFAX AVENUE, DENVER, COLO. General research support (hospitals).
501RR-05433-13 (NSS) JONES, JOHN E, WEST VIRGINIA UNIV MEDICAL CTR, SCHOOL OF MEDICINE, MORGANTOWN, W. VA. General research support (medical school).	501RR-05475-12 (NSS) MADLER, HENRY L, CHILDRENS MEMORIAL HOSPITAL, 2300 CHILDRENS PLAZA, CHICAGO, ILL. General research support (pediatric hospitals).
501RR-05434-13 (NSS) KERRIGAN, GERALD A, THE MED COLL OF WISCONSIN, INC, 561 NORTH 15TH STREET, MILWAUKEE, WIS. General research support (medical school).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
501RR-05476-12 (NSS) PESCH, LE ROY A, MICHAEL REESE HOSP & MED CTR, 29TH STREET & ELLIS AVENUE, CHICAGO, ILL. General research support (hospitals).	501RR-05523-10 (NSS) MIDDLETON, ELLIOTT, JR, CHILDRENS ASTHMA RES INST & HO, 3401 WEST 19TH AVE, DENVER, COLO. General research support (pediatric hospital).
501RR-05477-12 (NSS) HEJNA, WILLIAM F, RUSH-PRESBY-ST LUKES MED CTR, 1753 WEST CONGRESS PARKWAY, CHICAGO, ILL. General research support (hospitals).	501RR-05524-12 (NSS) HOFFMAN, SAMUEL J, HEKTOEN INST FOR MED RESEARCH, 627-629 SOUTH WOOD STREET, CHICAGO, ILL. General research support (medical institute).
501RR-05479-12 (NSS) RABKIN, MITCHELL T, BETH ISRAEL HOSPITAL, 330 BROOKLINE AVE, BOSTON, MASS. General research support (hospitals).	501RR-05525-12 (NSS) HOMBURGER, FREDDY, BIO-RESEARCH INSTITUTE, INC, 9 COMMERCIAL AVENUE, CAMBRIDGE, MASS. General research support (biomedical institute).
501RR-05482-12 (NSS) BROSEGHINI, ALBERT L, CHILDRENS HOSP MEDICAL CTR, 300 LONGWOOD AVENUE, BOSTON, MASS. General research support (pediatric hospitals).	501RR-05526-12 (NSS) FRIE, EMIL 3D, CHILDRENS CANCER RES FDN, INC, 35 BINNEY STREET, BOSTON, MASS. General research support (neoplasms).
501RR-05483-12 (NSS) HEIN, JOHN W, FORSYTH DENTAL INF FOR CHLDREN, 140 FENWAY, BOSTON, MASS. General research support (dentistry).	501RR-05527-12 (NSS) SCHEPENS, CHARLES L, RETINA FOUNDATION, 20 STANFORD STREET, BOSTON, MASS. General research support (eye).
501RR-05404-12 (NSS) DE MARNEFFE, FRANCIS, MC LEAN HOSPITAL, 115 MILL STREET, BELMONT, MASS. General research support (hospital).	501RR-05528-12 (NSS) HOAGLAND, MAHLON B, WORCESTER FDN FOR EXP BIO, INC, 222 MAPLE AVENUE, SHREWSBURY, MASS. General research support (biomedical institute).
501RR-05485-12 (NSS) COGAN, DAVID G, MASSACHUSETTS EYE & EAR INF, 243 CHARLES STREET, BOSTON, MASS. General research support (hospital).	501RR-05529-12 (NSS) BRENNAN, MICHAEL J, MICHIGAN CANCER FOUNDATION, 4811 JOHN R STREET, DETROIT, MICH. General research support (neoplasms).
501RR-05486-12 (NSS) RUSSELL, PAUL S, MASSACHUSETTS GENERAL HOSPITAL, 32 FRUIT STREET, BOSTON, MASS. General research support (hospital).	501RR-05530-12 (NSS) SHEPHERD, JOHN T, MAYO FOUNDATION, 200 FIRST STREET SOUTHWEST, ROCHESTER, MINN. General research support (hospitals).
501RR-05487-12 (NSS) COPPMAN, JAY D, UNIVERSITY HOSPITAL, 750 HARRISON AVENUE, BOSTON, MASS. General research support (hospital).	501RR-05531-12 (NSS) HIRST, GEORGE K, P H RESEARCH INST OF CUNY, INC, 455 FIRST AVENUE, NEW YORK, N Y. General research support (public health school).
501RR-05489-12 (NSS) HASSAN, WILLIAM E, JR, PETER BENT BRIGHAM HOSPITAL, 721 HUNTINGTON AVENUE, BOSTON, MASS. General research support (hospital).	501RR-05532-12 (NSS) PRATT, EDWARD L, CHILDRENS HOSPITAL, ELLAND & BETHESDA AVENUE, CINCINNATI, OHIO. General research support (pediatric hospital).
501RR-05490-12 (NSS) TALLEY, ROBERT W, HENRY FORD HOSPITAL, 2799 W GRAND BOULEVARD, DETROIT, MICH. General research support (hospital).	501RR-05533-12 (NSS) FALKNER, FRANK, FELS RESEARCH INSTITUTE, 800 LIVERMORE STREET, YELLOW SPRINGS, OHIO. General research support (biomedical institute).
501RR-05491-12 (NSS) BAUE, ARTHUR E, JEWISH HOSPITAL OF ST LOUIS, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO. General research support (hospital).	501RR-05534-12 (NSS) BRADFORD, REAGAN H, OKLAHOMA MEDICAL RESEARCH FDN, 825 N E 13TH STREET, OKLAHOMA CITY, OKLA. General research support (biomedical institute).
501RR-05493-12 (NSS) CORTNER, JEAN A, CHILDRENS HOSPITAL OF BUFFALO, 219 BRYANT STREET, BUFFALO, N Y. General research support (pediatric hospital).	501RR-05535-12 (NSS) TALBOT, TIMOTHY R, JR, INSTITUTE FOR CANCER RESEARCH, 7701 BURHOLME AVENUE, PHILADELPHIA, PA. General research support (cancer research institute).
501RR-05495-12 (NSS) MELLORS, ROBERT C, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70TH STREET, NEW YORK, N Y. General research support (hospital).	501RR-05540-12 (NSS) KOPROWSKI, HILARY, WISTAR INST OF ANATOMY & BIO, 36TH STREET AT SPRUCE, PHILADELPHIA, PA. General research support (biomedical institute).
501RR-05496-12 (NSS) MERLMAN, EDWARD, L I JEWISH-HILLSIDE MED-CENTER, 270-05 76TH AVENUE, NEW HYDE PARK, N Y. General research support (hospital).	501RR-05541-09 (NSS) CHERNOFF, AMOZ I, UNIVERSITY OF TENNESSEE, MEMORIAL RESEARCH CTR & HOSP, KNOXVILLE, TENN. General research support (hospital).
501RR-05497-12 (NSS) KAUFMAN, DAVID G, MAIMONIDES MEDICAL CENTER, 4802 10TH AVENUE, BROOKLYN, N Y. General research support (hospital).	501RR-05542-12 (NSS) MAZUR, HAROLD, ATTENDING STAFF ASSOCIATION, RANCHO LOS AMIGOS HOSP, INC, DOWNEY, CALIF. General research support (hospitals).
501RR-05499-12 (NSS) CHERKASKY, MARTIN, MONTEFIORE HOSP & MEDICAL CTR, 111 EAST 210 STREET, BRONX, N Y. General research support (hospital).	501RR-05543-12 (NSS) GREEN, EARL L, THE JACKSON LABORATORY, BAR HARBOR, MAINE. General research support (biomedical institute).
501RR-05501-12 (NSS) BERTLES, JOHN F, ST LUKES HOSPITAL CENTER, 421 WEST 114TH STREET, NEW YORK, N Y. General research support (hospitals).	501RR-05544-12 (NSS) BLACK, PERRY, FRIENDS MED SCI RES CTR INC, 45 WADE AVENUE, BALTIMORE, MD. General research support (psychiatry).
501RR-05502-10 (NSS) DELANEY, WILLIAM E, ST VINCENTS HOSP & MED CTR N Y, 153 WEST 11TH STREET, NEW YORK, N Y. General research support (hospitals).	501RR-05548-12 (NSS) MC HUGH, WILLIAM D, EASTMAN DENTAL CENTER, 800 MAIN STREET EAST, ROCHESTER, N Y. General research support (dentistry).
501RR-05503-12 (NSS) LEE, STANLEY L, JEWISH HOSP & MED CTR, 555 PROSPECT PLACE, BROOKLYN, N Y. General research support (hospitals).	501RR-05549-12 (NSS) MC EWEN, WILLIAM J, CALIFORNIA STATE DEPT OF P H, 2151 BERKELEY WAY, BERKELEY, CALIF. General research support (health dept).
501RR-05504-11 (NSS) CRAMBLETT, HENRY, CHILDRENS HOSPITAL, 561 SOUTH 17TH STREET, COLUMBUS, OHIO. General research support (pediatric hospital).	501RR-05550-11 (NSS) SIMON, ALEXANDER, LANGLEY PORTER NEUROPSYCH INST, 401 PARNASSUS AVENUE, SAN FRANCISCO, CALIF. General research support (mental hospitals).
501RR-05505-12 (NSS) GOLDNER, HERMAN, ALBERT EINSTEIN MEDICAL CENTER, YORK & TABOR ROADS, PHILADELPHIA, PA. General research support (hospitals).	501RR-05551-12 (NSS) SWANSON, WILLIAM M, ATTENDING STAFF ASSOCIATION, HARBOR GENERAL HOSPITAL, TORRANCE, CALIF. General research support (hospitals).
501RR-05506-12 (NSS) HUMMELER, KLAUS, CHILDRENS HOSP OF PHILADELPHIA, 1740 BAINBRIDGE STREET, PHILADELPHIA, PA. General research support (pediatric hospitals).	501RR-05553-12 (NSS) SOWDER, WILSON T, DIVISION OF HEALTH, P O BOX 210, JACKSONVILLE, FLA. General research support (health dept).
501RR-05507-12 (NSS) OLIVER, THOMAS K, CHILDRENS HOSP OF PITTSBURGH, 125 DE SOTO STREET, PITTSBURGH, PA. General research support (pediatric hospital).	501RR-05555-12 (NSS) GRINSPOON, LESTER, MASSACHUSETTS MENT HLTH RES CO, 74 FENWOOD ROAD, BOSTON, MASS. General research support (mental health).
501RR-05508-12 (NSS) ROSEE, ROLAND A, PHILADELPHIA GENERAL HOSPITAL, 34TH ST & CIVIC CENTER BLVD, PHILADELPHIA, PA. General research support (hospitals).	501RR-05556-12 (NSS) SMITH, GARDNER W, BALTIMORE CITY HOSPITALS, 4940 EASTERN AVENUE, BALTIMORE, MD. General research support (hospitals).
501RR-05510-11 (NSS) SERY, THEODORE W, WILLS EYE HOSPITAL, 1601 SPRING GARDEN STREET, PHILADELPHIA, PA. General research support (hospitals).	501RR-05564-03 (NSS) LEMBERGER, AUGUST P, UNIVERSITY OF ILLINOIS, 833 SOUTH WOOD STREET, CHICAGO, ILL. General research support (College of Pharmacy).
501RR-05511-12 (NSS) CLARK, R LEE, U OF TEXAS MD ANDERSON HOSP, 6723 BERTNER AVENUE, HOUSTON, TEX. General research support (hospitals).	501RR-05565-10 (NSS) PEARSON, PHILLIP T, IOWA STATE UNIVERSITY, COLLEGE OF VETERINARY MEDICINE, AMES, IOWA. General research support (veterinary medicine).
501RR-05513-12 (NSS) KRUPP, MARCUS A, PALO ALTO MEDICAL RESEARCH FDN, 860 BRYANT STREET, PALO ALTO, CALIF. General research support (medical foundation).	501RR-05566-11 (NSS) WILLIAMS, GEORGE Z, INSTITUTE OF MEDICAL SCIENCES, CLAY & WEBSTER STREETS, SAN FRANCISCO, CALIF. General research support (medical institute).
501RR-05514-12 (NSS) KERNBY, EDMUND L, SCRIPPS CLINIC & RESEARCH FDN, 476 PROSPECT STREET, LA JOLLA, CALIF. General research support (pediatric hospitals).	501RR-05567-10 (NSS) JONES, E WYNN, OKLAHOMA STATE UNIVERSITY, COLLEGE OF VETERINARY MEDICINE, STILLWATER, OKLA. General research support (veterinary medicine).
501RR-05515-12 (NSS) PARROTT, ROBERT H, RES FDN, CHLDRENS HOSP OF D C, 2125 13TH ST, N W, WASHINGTON, D C. General research support (pediatric hospitals).	501RR-05569-10 (NSS) SHERMAN, DAVID S, DEPT OF HEALTH & HOSPITALS, MATTAPAN CHRONIC DISEASE HOSP, MATTAPAN, MASS. General research support (health dept, hospitals).
501RR-05517-12 (NSS) TAYLOR, JAMES B, MENNINGER FOUNDATION, 3617 WEST SIXTH AVENUE, TOPEKA, KANS. General research support (mental hospitals).	501RR-05570-09 (NSS) HAYASHI, Y TERRY, IMAGE-WOMENS HOSPITAL, FORBES & HALKET STREETS, PITTSBURGH, PA. General research support (hospitals).
501RR-05518-12 (NSS) RAY, C THORPE, ALTON OCHSNER MEDICAL FDN, 1514 JEFFERSON HIGHWAY, NEW ORLEANS, LA. General research support (biomedical institute).	501RR-05571-10 (NSS) ROWE, THOMAS D, UNIVERSITY OF MICHIGAN, 1525 CHEM-PHARM BUILDING, ANN ARBOR, MICH. General research support (school of pharmacy).
501RR-05519-12 (NSS) GOLAND, MARTIN, SOUTHWEST FDN FOR RES & EDUC, P O BOX 28147, SAN ANTONIO, TEX. General research support (biomedical institute).	501RR-05572-07 (NSS) BOWIE, WALTER C, TUSKEGEE INSTITUTE, SCH OF VETERINARY MEDICINE, TUSKEGEE INSTITUTE, ALA. General research support (veterinary medicine).
501RR-05520-12 (NSS) HUTCHINSON, WILLIAM B, PACIFIC NORTHWEST RESEARCH FDN, 1102 COLUMBIA STREET, SEATTLE, WASH. General research support (biomedical institute).	501RR-05573-05 (NSS) EIDELBERG, EDUARDO, ST JOSEPH'S HOSP & MED CTR, 350 W THOMAS ROAD, PHOENIX, ARIZ. General research support (hospitals).
501RR-05521-12 (NSS) KEENE, CLIFFORD H, KAISER FOUNDATION HOSPITALS, 300 LAKESIDE DRIVE, OAKLAND, CALIF. General research support (hospitals).	501RR-05576-10 (NSS) ROBINSON, ROBERT J, RUTGERS MEDICAL SCHOOL, P O BOX 101, PISCATAWAY, N J. General research support (medical school).
501RR-05522-12 (NSS) SKINNER, WILFRED A, STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVE, MENLO PARK, CALIF. General research support (biomedical institute).	

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
501RR-05579-10 (NSS) MOSS, M L, INST FOR MUSCLE DISEASE, INC, 515 EAST 71 STREET, NEW YORK, N Y. General research support (muscular disorders).	501RR-05631-07 (NSS) WHALEN, WILLIAM J, ST VINCENT CHARITY HOSPITAL, 2351 EAST 22ND STREET, CLEVELAND, OHIO. General research support (hospitals).
501RR-05582-07 (NSS) CORNELL, LEWIS L, INSTITUTE FOR MEDICAL RESEARCH, COPEWOOD STREET, CAMDEN, N J. General research support (medical research).	501RR-05632-07 (NSS) EYMAN, RICHARD K, PACIFIC STATE HOSPITAL, P O BOX 100, POMONA, CALIF. General research support (mental hospitals).
501RR-05583-10 (NSS) NAPOLITANO, LEONARD M, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N MEX. General research support (medical school).	501RR-05634-07 (NSS) WEAVER, LAWRENCE C, UNIVERSITY OF MINNESOTA, 115 APPLEBY HALL, MINNEAPOLIS, MINN. General research support (school of pharmacy).
501RR-05584-10 (NSS) MAUER, ALVIN, ST JUDE CHILDRENS RES HOSP, P O BOX 318, MEMPHIS, TENN. General research support (pediatric hospitals).	501RR-05636-08 (NSS) COMEN, HAROLD L, INST FOR BEHAVIORAL RES, INC, 2429 LINDEN LANE, SILVER SPRING, MD. General research support (behavior).
501RR-05585-09 (NSS) HOLMES, WILLIAM L, LANKEAU HOSPITAL, DIV OF RES, LANCASTER & CITY LINE AVES, PHILADELPHIA, PA. General research support (hospitals).	501RR-05641-08 (NSS) POA, PIERO P, SINAI HOSPITAL OF DETROIT, 6767 WEST OUTER DRIVE, DETROIT, MICH. General research support (hospitals).
501RR-05586-07 (NSS) KNEVEL, ADELBERT M, PURDUE UNIVERSITY, SCH OF PHARM & PHARM SCI, LAFAYETTE, IND. General research support (school of pharmacy).	501RR-05642-08 (NSS) CROSS, FREDERICK S, SAINT LUKES HOSPITAL, 11311 SHAKER BOULEVARD, CLEVELAND, OHIO. General research support (hospitals).
501RR-05587-06 (NSS) STOHLMAN, FREDERICK, JR, ST ELIZABETHS HOSPITAL, 736 CAMBRIDGE STREET, BRIGHTON, MASS. General research support (hospitals).	501RR-05648-08 (NSS) MURPHY, GERALD P, ROSWELL PARK MEMORIAL INST, 666 ELM STREET, BUFFALO, N Y. General research support.
501RR-05588-08 (NSS) WILLOUGHBY, WILLIAM F, VIRGINIA MASON RESEARCH, 1000 SENECA STREET, SEATTLE, WASH. General research support (biomedical institute).	501RR-05649-08 (NSS) INGRAMMA, HOLLIS S, NEW YORK STATE DEPT OF HEALTH, DIVISION OF LABORATORIES & RES, ALBANY, N Y. General research support (health dept).
501RR-05589-10 (NSS) HOLLANDER, VINCENT P, HOSP FOR JOINT DIS & MED CTR, 1919 MADISON AVE, NEW YORK, N Y. General research support (hospitals).	501RR-05650-08 (NSS) KOLB, LAWRENCE C, NEW YORK STATE PSYCH INST, 722 WEST 168 STREET, NEW YORK, N Y. General research support (mental hospitals).
501RR-05590-10 (NSS) BOGGS, THOMAS R, JR, PENNSYLVANIA HOSPITAL, EIGHTH & SPRUCE STREETS, PHILADELPHIA, PA. General research support (hospitals).	501RR-05651-08 (NSS) KLINE, NATHAN S, ROCKLAND STATE HOSPITAL, ORAN-GEBURG, N Y. General research support (mental hospitals).
501RR-05591-10 (NSS) KNOX, W EUGENE, NEW ENGLAND DEACONESS HOSPITAL, 185 PILGRIM ROAD, BOSTON, MASS. General research support (hospitals).	501RR-05653-07 (NSS) KUPFER, SHERMAN, MOUNT SINAI SCHOOL OF MEDICINE, 1 EAST 100TH STREET, NEW YORK, N Y. General research support (medical school).
501RR-05592-04 (NSS) MENDELLOW, HARVEY, MONTEFIORE HOSPITAL, 3459 FIFTH AVENUE, PITTSBURGH, PA. General research support.	501RR-05654-07 (NSS) HARRISON, FRANK, U OF TEXAS MED SCH-SAN ANTONIO, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX. General research support (medical school).
501RR-05593-07 (NSS) DOW, ROBERT S, GOOD SAMARITAN HOSP & MED CTR, 1015 N W 22ND, PORTLAND, OREG. General research support (hospitals).	501RR-05655-06 (NSS) DOCTER, JACK M, CHILDRENS ORTHO HOSP & MED CTR, 4800 SAND POINT WAY N E, SEATTLE, WASH. General research support (pediatric hospital).
501RR-05594-07 (NSS) GUESS, WALLACE L, UNIVERSITY OF MISSISSIPPI, SCHOOL OF PHARMACY, UNIVERSITY, MISS. General research support (school of pharmacy).	501RR-05656-07 (NSS) HUNT, ANDREW D, JR, MICHIGAN STATE UNIVERSITY, COLL OF HUMAN MEDICINE, EAST LANSING, MICH. General research support (medical school).
501RR-05595-10 (NSS) SALK, JONAS E, SALK INST FOR BIO STUDIES, P O BOX 1809, SAN DIEGO, CALIF. General research support (biomedical institute).	501RR-05657-05 (NSS) COURSON, DAVID B, ST JOSEPH HOSPITAL, RESEARCH INSTITUTE, LANCASTER, PA. General research support (hospitals).
501RR-05596-10 (NSS) COOPER, FRANKLIN S, HASKINS LABORATORIES, INC, 270 CROWN STREET, NEW HAVEN, CONN. General research support (medical institute).	501RR-05658-07 (NSS) LEVY, MATTHEW M, MT SINAI HOSP OF CLEVELAND, 1800 EAST 105TH STREET, CLEVELAND, OHIO. General research support (hospitals).
501RR-05598-09 (NSS) RABEN, MAURICE S, NEW ENGLAND MEDICAL CTR HOSPS, 171 HARRISON AVENUE, BOSTON, MASS. General research support (hospitals).	501RR-05662-05 (NSS) KUSHNER, DANIEL S, MT SINAI HOSP OF GR MIAMI, 4300 ALTON ROAD, MIAMI BEACH, FLA. General research support (hospitals).
501RR-05599-08 (NSS) ROGERS, TERENCE A, UNIVERSITY OF HAWAII, 1960 EAST-WEST ROAD, HONOLULU, HAWAII. General research support (medical school).	501RR-05663-07 (NSS) CHRISTY, NICHOLAS P, ROOSEVELT HOSPITAL, 428 WEST 59TH STREET, NEW YORK, N Y. General research support (hospitals).
501RR-05601-07 (NSS) MC DONALD, LESLIE E, UNIVERSITY OF GEORGIA, COLLEGE OF VETERINARY MEDICINE, ATHENS, GA. General research support (veterinary medicine).	501RR-05664-07 (NSS) GALLETTI, PIERRE M, BROWN UNIVERSITY MEDICAL SCH, DIV OF BIO MED SCIENCES, PROVIDENCE, R I. General research support (medical school).
501RR-05602-08 (NSS) WEIDIE, KENNETH D, UNIVERSITY OF MISSOURI, 104 CON-NAWAY HALL, COLUMBIA, MO. General research support (veterinary medicine).	501RR-05665-07 (NSS) MOXLEY, JOHN H, 3D, UNIV OF CALIF, SAN DIEGO, BOX 109, SCHOOL OF MEDICINE, LA JOLLA, CALIF. General research support (medical school).
501RR-05604-02 (NSS) DUNLAP, MARJORIE S, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF. General research support (nursing school).	501RR-05669-07 (NSS) AJUSTEN, K FRANK, ROBERT B BRIGHAM HOSPITAL, 125 PARKER HILL AVENUE, BOSTON, MASS. General research support (hospitals).
501RR-05606-08 (NSS) SAISSMAN, EDWARD E, UNIVERSITY OF KANSAS, 523 MALOTT HALL, LAWRENCE, KANS. General research support (school of pharmacy).	501RR-05671-02 (NSS) MORRIS, F V, MIDWEST RESEARCH INSTITUTE, 425 VOLKER BOULEVARD, KANSAS CITY, MO. General research support (research institute).
501RR-05607-08 (NSS) PARKS, LLOYD M, OHIO STATE UNIVERSITY, 500 WEST 12TH AVENUE, COLUMBUS, OHIO. General research support (school of pharmacy).	501RR-05673-05 (NSS) CAHILL, GEORGE F, JR, JOSLIN DIABETES FDN, INC, 170 PILGRIM ROAD, BOSTON, MASS. General research support (biomedical institute).
501RR-05608-07 (NSS) BARDAWIL, WADI A, ST MARGARETS HOSPITAL, 90 CUSHING AVENUE, BOSTON, MASS. General research support (hospitals).	501RR-05674-06 (NSS) BUMPUS, F MEBLIN, CLEVELAND CLINIC FOUNDATION, 9500 EUCLID AVENUE, CLEVELAND, OHIO. General research support (biomedical institute).
501RR-05608-07 (NSS) MC KEAN, CHARLES M, SONOMA STATE HOSPITAL, EL-DRIDGE, CALIF. General research support (mental hospitals).	501RR-05675-06 (NSS) DU VAL, MERLIN K, UNIVERSITY OF ARIZONA, COLLEGE OF MEDICINE, TUCSON, ARIZ. General research support (medical school).
501RR-05610-08 (NSS) BURGESS, BENJAMIN F, JR, PRESBYTERIAN-U OF PA MED CTR, 51 NORTH 39TH STREET, PHILADELPHIA, PA. General research support (hospitals).	501RR-05677-06 (NSS) LEVINE, PHILLIP T, UNIVERSITY OF CONNECTICUT, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN. General research support (dental school).
501RR-05611-07 (NSS) ALTSCHULER, HENRY, HOME FOR THE JEWISH AGED, 5301 OLD YORK ROAD, PHILADELPHIA, PA. General research support (homes for the aged).	501RR-05678-06 (NSS) MASSEY, ROBERT U, UNIVERSITY OF CONNECTICUT, SCHOOL OF MEDICINE, FARMINGTON, CONN. General research support (medical school).
501RR-05612-06 (NSS) HOPPMAN, PAUL J, OREGON RESEARCH INSTITUTE, P O BOX 3196, EUGENE, OREG. General research support.	501RR-05679-06 (NSS) MC NEW, GEORGE L, BOYCE THOMPSON INST FOR PL RES, 1086 NORTH BROADWAY, YONKERS, N Y. General research support (plants).
501RR-05615-07 (NSS) FLURISHMAN, EDWIN A, AMERICAN INSTITUTES FOR RES, 8555 SIXTEENTH STREET, SILVER SPRING, MD. General research support (behavior).	501RR-05680-06 (NSS) PRYSTOWSKY, HARRY, PENNSYLVANIA STATE UNIVER-SITY, 500 UNIVERSITY DRIVE, HERSHEY, PA. General research support (medical school).
501RR-05618-08 (NSS) SPRATT, JOHN S, JR, CANCER RESEARCH CENTER, BUSI-NESS LOOP 70 & GARTH AVE, COLUMBIA, MO. General research support (neoplasms).	501RR-05681-04 (NSS) LEDLEY, ROBERT S, NATIONAL BIOMEDICAL RES FDN, 3900 RESERVOIR ROAD, N W, WASHINGTON, D C. General research support (biomedical institute).
501RR-05621-08 (NSS) ANCHIEL, MARJORIE, NEW YORK BOTANICAL GARDEN, BRONX, N Y. General research support (plants).	501RR-05684-06 (NSS) TUPPER, C J, UNIVERSITY OF CALIF, DAVIS, SCHOOL OF MEDICINE, DAVIS, CALIF. General research support (medical school).
501RR-05623-08 (NSS) ARMISTEAD, WILLIS W, MICHIGAN STATE UNIVERSITY, COLL OF VETERINARY MEDICINE, EAST LANSING, MICH. General research support (veterinary medicine).	501RR-05688-06 (NSS) KELLNER, AARON, NEW YORK BLOOD CENTER, 310 EAST 67TH STREET, NEW YORK, N Y. General research support (hematology).
501RR-05624-08 (NSS) AUERBACH, VICTOR H, ST CHRISTOPHERS HOSP FOR CHLDN, 2600 N LAWRENCE STREET, PHILADELPHIA, PA. General research support (pediatric hospital).	501RR-05689-08 (NSS) MOHRMAN, KIRK C, AMERICAN DENTAL ASSOCIATION, 211 EAST CHICAGO AVENUE, CHICAGO, ILL. General research support (dentistry).
501RR-05626-08 (NSS) ALPHER, CHESTER A, CENTER FOR BLOOD RESEARCH, INC, 320 LONGWOOD AVENUE, BOSTON, MASS. General research support (hematology).	501RR-05690-04 (NSS) SCHULTZ, JULIUS, PAPANICOLAOU CANCER RES INST, 1155 N W 14TH STREET, MIAMI, FLA. General research support (cancer research institute).
501RR-05628-04 (NSS) SCHOOLAR, JOSEPH C, TEXAS RES INST OF MENTAL SCIEN, 1300 MOURSUND AVENUE, HOUSTON, TEX. General research support (mental science institute).	501RR-05692-05 (NSS) HARDY, JAMES D, JOHN B PIERCE FOUNDATION, INC, 290 CONGRESS AVENUE, NEW HAVEN, CONN. General research support (biomedical institute).
501RR-05629-07 (NSS) MC LAREN, JOHN A, EVANSTON HOSPITAL, 2650 RIDGE AVENUE, EVANSTON, ILL. General research support (hospitals).	501RR-05694-05 (NSS) MONTAGNA, WILLIAM, OREGON REGIONAL PRIM RES CTR, 505 N W 18TH, BEAVERTON, OREG. General research support (primate research center).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE	PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
501RR-05497-05 (NSS) WEAVER, WARREN E, MEDICAL COLLEGE OF VIRGINIA, SCHOOL OF PHARMACY, RICHMOND, VA. General research support (school of pharmacy).	501RR-05753-02 (NSS) BEATTIE, EDWARD J, JR, MEM HOSPITAL-CANCER & ALLD DIS, 1275 YORK AVENUE, NEW YORK, N. Y. General research support (cancer hospital).
501RR-05493-05 (NSS) ROBBINS, DAVID O, EYE RESEARCH FOUNDATION, 8710 OLD GEORGETOWN RD, BETHESDA, MD. General research support (eye foundation).	501RR-05755-01 (NSS) SIMON, ALEXANDER, UNIV OF CALIF, SAN FRANCISCO, LANGLEY PORTER NEURO INST, SAN FRANCISCO, CALIF. General research support (university).
501RR-05700-05 (NSS) PAGE, ROBERT G, MEDICAL COLL OF OHIO AT TOLEDO, P O BOX 6190, TOLEDO, OHIO. General research support (medical school).	501RR-05756-01 (NSS) WEST, LOUIS J, NEUROPSYCHIATRIC INST, L A, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF. General research support (university).
501RR-05701-04 (NSS) FEURT, SELDON D, UNIVERSITY OF TENNESSEE, 874 UNION AVENUE, MEMPHIS, TENN. General research support (school of pharmacy).	501RR-05758-01 (NSS) LENNINGER, MADELEINE M, UNIVERSITY OF WASHINGTON, SCHOOL OF NURSING, SEATTLE, WASH. General research support (nursing).
501RR-05703-05 (NSS) WELLS, HERBERT, BOSTON UNIVERSITY, SCHOOL OF GRADUATE DENTISTRY, BOSTON, MASS. General research support (dental school).	504RR-06147-06 (NSS) AMLLS, RUSSELL C, UNIVERSITY OF KANSAS MED CTR, 39TH AND RAINBOW BLVD, KANSAS CITY, KANS. Basic mechanisms of drug action (medical school).
501RR-05704-04 (NSS) JEANSONNE, EDMUND E, LOUISIANA STATE UNIVERSITY, 1190 FLORIDA AVENUE, NEW ORLEANS, LA. General research support (dental school).	504RR-06148-06 (NSS) ROBERTSON, J DAVID, DUKE UNIVERSITY MEDICAL CTR, DEPARTMENT OF ANATOMY, DURHAM, N C. An interdisciplinary plan for the study of biological membranes.
501RR-05705-05 (NSS) MACKANESS, GEORGE B, TRUDEAU INSTITUTE, INC, P O BOX 59, SARANAC LAKE, N. Y. General research support (biomedical institute).	505RR-07001-06 (NSS) RAE, K M, UNIVERSITY OF ALASKA, FAIRBANKS, ALASKA. Biomedical sciences support (universities).
501RR-05706-03 (NSS) MEYER, EDWARD C, MERCY CATHOLIC MEDICAL CENTER, LANSDOWNE AVE & BAILY RD, DARBY, PA. General research support.	505RR-07002-09 (NSS) KASSANDER, A RICHARD, JR, UNIVERSITY OF ARIZONA, 603 ADMINISTRATION BLDG, TUCSON, ARIZ. Biomedical sciences support (universities).
501RR-05709-05 (NSS) SCHWEPER, LEWIS M, ALLEGHENY GENERAL HOSPITAL, 320 EAST NORTH AVENUE, PITTSBURGH, PA. General research support (hospitals).	505RR-07003-09 (NSS) CHRISTY, ROBERT F, CALIFORNIA INSTITUTE OF TECH, 1201 EAST CALIFORNIA, PASADENA, CALIF. Biomedical sciences support (biomedical institute).
501RR-05710-04 (NSS) NEWHOUSE, JOSEPH P, THE RAND CORPORATION, 1700 MAIN STREET, SANTA MONICA, CALIF. General research support (biomedical institute).	505RR-07005-09 (NSS) MILLER, WILLIAM F, STANFORD UNIVERSITY, STANFORD, CALIF. Biomedical sciences support (universities).
501RR-05711-04 (NSS) DAVISON, PETER F, BOSTON BIOMEDICAL RES INST, 11, 20 STANFORD STREET, BOSTON, MASS. General research support (biomedical institute).	505RR-07006-09 (NSS) CHRISTENSEN, MARK N, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. Biomedical sciences support (universities).
501RR-05712-03 (NSS) BUTCHER, RONALD W, UNIVERSITY OF MASSACHUSETTS, 419 BELMONT STREET, WORCESTER, MASS. General research support grant (medical school).	505RR-07007-09 (NSS) MAER, ALLEN G, UNIVERSITY OF CALIFORNIA, DAVIS, CALIF. Biomedical sciences support (universities).
501RR-05714-04 (NSS) DAY, ROBERT W, SCHOOL OF PH & COMM MED, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. General research support (school of public health).	505RR-07008-09 (NSS) SCHNEIDERMAN, HOWARD A, UNIVERSITY OF CALIFORNIA, IRVINE, CALIF. Biomedical sciences support (universities).
501RR-05716-03 (NSS) HAUPTMAN, HERBERT A, MEDICAL FOUNDATION OF BUFFALO, 73 HIGH STREET, BUFFALO, N. Y. General research support grant.	505RR-07009-09 (NSS) LEWIS, HARLAN, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVE, LOS ANGELES, CALIF. Biomedical sciences support (universities).
501RR-05717-04 (NSS) WATSON, JAMES D, COLD SPRING HARBOR LABORATORY, P O BOX 100, COLD SPRING HARBOR, N. Y. General research support (biomedical institute).	505RR-07010-09 (NSS) JOHNSON, HARRY W, JR, UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIF. Biomedical sciences support (universities).
501RR-05718-03 (NSS) WERLEY, HARRIET M, WAYNE STATE UNIVERSITY, 5557 CASS AVENUE, DETROIT, MICH. General research support grant (nursing).	505RR-07011-09 (NSS) PEARCE, ROY H, UNIV OF CALIFORNIA, SAN DIEGO, P O BOX 109, LA JOLLA, CALIF. Biomedical sciences support (universities).
501RR-05719-03 (NSS) MANHEIMER, DEAN I, INST FOR RES IN SOCIAL BEHAVIO, 1909 ADDISON STREET, BERKELEY, CALIF. General research support grant (social behavior).	505RR-07012-06 (NSS) KAPRIELIAN, ZOHRA B, UNIV OF SOUTHERN CALIFORNIA, LOS ANGELES, CALIF. Biomedical sciences support (universities).
501RR-05723-03 (NSS) CLARKE, WILLIAM J, BATTELLE COLUMBUS LABORATORIES, 505 KING AVENUE, COLUMBUS, OHIO. General research support grant (Battelle Institute).	505RR-07013-09 (NSS) CROWE, C LAWSON, UNIVERSITY OF COLORADO, BOULDER, COLO. Biomedical sciences support (universities).
501RR-05724-03 (NSS) DBIAGGIO, JOHN A, MEDICAL COLLEGE OF VIRGINIA, SCHOOL OF DENTISTRY, RICHMOND, VA. General research support grant (dental school).	505RR-07014-09 (NSS) CLARK, HUGH, UNIVERSITY OF CONNECTICUT, STORRS, CONN. Biomedical sciences support (universities).
501RR-05728-03 (NSS) ALLEN, DON L, UNIVERSITY OF FLORIDA, COLLEGE OF DENTISTRY, GAINESVILLE, FLA. General research support grant (college of dentistry).	505RR-07015-09 (NSS) BOCKELMAN, CHARLES K, YALE UNIVERSITY, NEW HAVEN, CONN. Biomedical sciences support (universities).
501RR-05730-03 (NSS) MOSER, HUGO W, CTR FOR MNTL RETARDATION, INC, 200 TRAPELO ROAD, WALTHAM, MASS. General research support grant (mental retardation center).	505RR-07019-09 (NSS) BURNS, ARTHUR E, GEORGE WASHINGTON UNIVERSITY, WASHINGTON, D C. Biomedical sciences support (universities).
501RR-05731-03 (NSS) CRONKITE, EUGENE P, ASSOCIATED UNIVERSITIES, INC, BROOKHAVEN NATL LABORATORY, UPTON, N. Y. General research support grant.	505RR-07020-09 (NSS) JOHNSON, ROBERT M, FLORIDA STATE UNIVERSITY, TALLAHASSEE, FLA. Biomedical sciences support (universities).
501RR-05732-03 (NSS) ZUELZER, WOLF W, CHLD RESEARCH CENTER OF MICH, 3901 BEAUBIEN BLVD, DETROIT, MICH. General research support grant (child research center).	505RR-07021-09 (NSS) DAVIS, GEORGE K, UNIVERSITY OF FLORIDA, GAINESVILLE, FLA. Biomedical sciences support (universities).
501RR-05734-02 (NSS) KUSCHNER, MARVIN, S U N Y - AT STONY BROOK, HEALTH SCIENCES CENTER, STONY BROOK, N. Y. General research support (medical school).	505RR-07023-09 (NSS) LESTER, CHARLES T, EMORY UNIVERSITY, ATLANTA, GA. Biomedical sciences support (universities).
501RR-05737-03 (NSS) JAMIESON, GRAHAM A, AMERICAN NATL RED CROSS, 9312 OLD GEORGETOWN ROAD, BETHESDA, MD. General research support grant (Red Cross).	505RR-07024-09 (NSS) CRENSHAW, JOHN W, JR, GEORGIA INST OF TECHNOLOGY, ATLANTA, GA. Biomedical sciences support (universities).
501RR-05738-03 (NSS) SWINYARD, EWART A, UNIVERSITY OF UTAH, COLLEGE OF PHARMACY, SALT LAKE CITY, UTAH. General research support grant (college of pharmacy).	505RR-07025-09 (NSS) DOUGLAS, CHARLES H, UNIVERSITY OF GEORGIA, ATHENS, GA. Biomedical sciences support (universities).
501RR-05739-02 (NSS) TREIMAN, DONALD, CENTER FOR POLICY RESEARCH, 475 RIVERSIDE DRIVE, NEW YORK, N. Y. General research support.	505RR-07026-09 (NSS) CHIU, ARTHUR N L, UNIVERSITY OF HAWAII, 2540 MAILE WAY, HONOLULU, HAWAII. Biomedical sciences support (universities).
501RR-05740-03 (NSS) LUYET, BASILE J, AMERICAN FDM FOR BIOLOG RES, RT 5, BOX 137, MADISON, WIS. General research support grant.	505RR-07027-09 (NSS) GURALNICK, SIDNEY A, ILLINOIS INST OF TECHNOLOGY, CHICAGO, ILL. Biomedical sciences support (biomedical institute).
501RR-05742-03 (NSS) STEVENSON, JOANNE S, OHIO STATE UNIVERSITY, SCHOOL OF NURSING, COLUMBUS, OHIO. General research support grant (nursing).	505RR-07020-09 (NSS) MUNTZER, DAVID, NORTHWESTERN UNIVERSITY, 633 CLARK STREET, EVANSTON, ILL. Biomedical sciences support (universities).
501RR-05745-02 (NSS) SAYTHE, CHEVES M, MEDICAL SCHOOL AT HOUSTON, 6400 W CULLEN STREET, HOUSTON, TEX. General research support (medical school).	505RR-07029-09 (NSS) ROTHBLATT, BEN, UNIVERSITY OF CHICAGO, 5801 SOUTH ELLIS AVE, CHICAGO, ILL. Biomedical sciences support (universities).
501RR-05746-02 (NSS) ANDREWS, GOULD A, POST OFFICE BOX 117, OAK RIDGE, TENN. General research support (university).	505RR-07030-09 (NSS) LARSEN, JOSEPH R, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS. Biomedical sciences support (universities).
501RR-05747-02 (NSS) SUZUKI, HOWARD K, UNIVERSITY OF FLORIDA, J HILLIS MILLER HLTH CTR, GAINESVILLE, FLA. General research support (university).	505RR-07031-09 (NSS) MERRITT, LYNNIE L, JR, INDIANA UNIVERSITY, BLOOMINGTON, IND. Biomedical sciences support (universities).
501RR-05748-02 (NSS) MC CAFFREY, ISABEL, N Y STA DEPT OF MENTAL HYGIENE, 44 HOLLAND AVENUE, ALBANY, N. Y. General research support (mental hygiene).	505RR-07032-09 (NSS) ANDREWS, FREDERICK N, PURDUE UNIVERSITY, LAFAYETTE, IND. Biomedical sciences support (universities).
501RR-05749-02 (NSS) SMITH, DONN L, UNIVERSITY OF SOUTH FLORIDA, COLLEGE OF MEDICINE, TAMPA, FLA. General research support (medical school).	505RR-07033-09 (NSS) GORDON, ROBERT E, UNIVERSITY OF NOTRE DAME, NOTRE DAME, IND. Biomedical sciences support (universities).
501RR-05752-02 (NSS) MARSHALL, ROBERT, NORTHWESTERN MEMORIAL HOSP, SUPERIOR ST & FAIRBANKS COURT, CHICAGO, ILL. General research support (hospital).	505RR-07034-09 (NSS) ZAFFARANO, DANIEL J, IOWA STATE UNIV OF SCI & TECH, BEARDSHEAR HALL, AMES, IOWA. Biomedical sciences support (universities).
	505RR-07035-09 (NSS) SPIESTERSBACH, DUANE C, UNIVERSITY OF IOWA, IOWA CITY, IOWA. Biomedical sciences support (universities).
	505RR-07036-09 (NSS) KRUM, R F, KANSAS STATE UNIVERSITY, FAIRCHILD HALL, MANHATTAN, KANS. Biomedical sciences support (universities).
	505RR-07037-09 (NSS) ARGERSINGER, WILLIAM J, JR, UNIVERSITY OF KANSAS, LAWRENCE, KANS. Biomedical sciences support (universities).
	505RR-07040-08 (NSS) DRENER, DAVID R, TULANE UNIVERSITY, NEW ORLEANS, LA. Biomedical sciences support (universities).
	505RR-07041-09 (NSS) SUSKIND, SIGMUND R, JOHNS HOPKINS UNIVERSITY, 34TH AND CHARLES STREETS, BALTIMORE, MD. Biomedical sciences support (universities).
	505RR-07042-09 (NSS) HENERY-LOGAN, KENNETH R, UNIVERSITY OF MARYLAND, COLLEGE PARK, MD. Biomedical sciences support (universities).
	505RR-07043-09 (NSS) KUBZANSKY, PHILIP E, BOSTON UNIVERSITY, 705 COMMONWEALTH AVENUE, BOSTON, MASS. Biomedical sciences support (universities).
	505RR-07044-09 (NSS) GOLDSTEIN, JACK S, BRANDEIS UNIVERSITY, WALTHAM, MASS. Biomedical sciences support (universities).

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

505RR-07046-09 (NSS) ROSOVSKY, HENRY, HARVARD UNIVERSITY, UNIVERSITY HALL 5, CAMBRIDGE, MASS. Biomedical sciences support (universities).

505RR-07047-09 (NSS) ROSENBLUTH, WALTER A, MASSACHUSETTS INST OF TECH, CAMBRIDGE, MASS. Biomedical sciences support (biomedical institutes).

505RR-07048-09 (NSS) CAMERINO, PAT W, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. Biomedical sciences support (universities).

505RR-07049-09 (NSS) SCHUETZ, ROBERT D, MICHIGAN STATE UNIVERSITY, ADMINISTRATION BUILDING, EAST LANSING, MICH. Biomedical sciences support (universities).

505RR-07050-09 (NSS) OVERBERGER, CHARLES G, UNIVERSITY OF MICHIGAN, 4080 ADMINISTRATION BLD, ANN ARBOR, MICH. Biomedical sciences support (universities).

505RR-07051-09 (NSS) CURTIN, THOMAS J, WAYNE STATE UNIVERSITY, 5050 CASS AVENUE, DETROIT, MICH. Biomedical sciences support (universities).

505RR-07052-09 (NSS) BRODBECK, MAY, UNIVERSITY OF MINNESOTA, 321 JOHNSTON HALL, MINNEAPOLIS, MINN. Biomedical sciences support (universities).

505RR-07053-09 (NSS) MUSACCHIA, X J, UNIVERSITY OF MISSOURI, JESSE HALL, COLUMBIA, MO. Biomedical sciences support (universities).

505RR-07054-09 (NSS) DAUTEN, CARL A, WASHINGTON UNIVERSITY, ST LOUIS, MO. Biomedical sciences support (universities).

505RR-07055-09 (NSS) SCHAMEHL, FRANCIS L, UNIVERSITY OF NEBRASKA, 14TH & R STREETS, LINCOLN, NEBR. Biomedical sciences support (universities).

505RR-07057-09 (NSS) FRESCO, JACQUES R, PRINCETON UNIVERSITY, PRINCETON, N J. Biomedical sciences support (universities).

505RR-07058-09 (NSS) PRAMER, DAVID, RUTGERS UNIVERSITY, NEW BRUNSWICK, N J. Biomedical sciences support (universities).

505RR-07059-09 (NSS) HALL, JAMES C, RUTGERS UNIVERSITY, THE STATE UNIV OF NEW JERSEY, NEWARK, N J. Biomedical sciences support (universities).

505RR-07060-09 (NSS) FRAENKEL, GEORGE K, COLUMBIA UNIVERSITY, 109 LOW MEMORIAL LIBRARY, NEW YORK, N Y. Biomedical sciences support (universities).

505RR-07061-09 (NSS) COOKE, W DONALD, CORNELL UNIVERSITY, 300 DAY HALL, ITHACA, N Y. Biomedical sciences support (universities).

505RR-07062-09 (NSS) ROTH, SIDNEY G, NEW YORK UNIVERSITY, WASHINGTON SQUARE, NEW YORK, N Y. Biomedical sciences support (universities).

505RR-07063-09 (NSS) BERINGER, F MARSHALL, POLYTECHNIC INST OF BROOKLYN, 333 JAY STREET, BROOKLYN, N Y. Biomedical sciences support (universities).

505RR-07064-08 (NSS) WASSERMAN, MARVIN, QUEENS COLLEGE OF THE CUNY, FLUSHING, N Y. Biomedical sciences support (universities).

505RR-07065-09 (NSS) MC CARTY, MACLYN, ROCKEFELLER UNIVERSITY, NEW YORK, N Y. Biomedical sciences support (universities).

505RR-07060-09 (NSS) HULL, MC ALUSTER H, JR, STATE UNIV OF N Y AT BUFFALO, 230 HAYES HALL MAIN STREET, BUFFALO, N Y. Biomedical sciences support (universities).

505RR-07067-09 (NSS) JONES, RAYMOND F, STATE UNIV OF N Y STONY BROOK, STONY BROOK, N Y. Biomedical sciences support (universities).

505RR-07068-09 (NSS) PATCHEN, I WILLIAM, SYRACUSE UNIVERSITY, 201 MARSHALL STREET, SYRACUSE, N Y. Biomedical sciences support (universities).

505RR-07069-09 (NSS) FRANCE, ROBERT R, UNIVERSITY OF ROCHESTER, ROCHESTER, N Y. Biomedical sciences support (universities).

505RR-07070-09 (NSS) MC KINNEY, JOHN C, DUKE UNIVERSITY, 127 ALLEN BLDG, DURHAM, N C. Biomedical sciences support (universities).

505RR-07071-09 (NSS) DRESSLER, EARL G, NORTH CAROLINA STATE UNIV, BOX 5356, RALEIGH, N C. Biomedical sciences support (universities).

505RR-07072-09 (NSS) HOLCOMB, GEORGE R, UNIV OF NORTH CAROLINA, SOUTH BUILDING, CHAPEL HILL, N C. Biomedical sciences support (universities).

505RR-07074-09 (NSS) ROADEN, ARUSS L, OHIO STATE UNIVERSITY, 164 W 19TH AVE, COLUMBUS, OHIO. Biomedical sciences support (universities).

505RR-07077-09 (NSS) EDMISON, MARVIN T, OKLAHOMA STATE UNIVERSITY, STILLWATER, OKLA. Biomedical sciences support (universities).

505RR-07079-09 (NSS) YOUNG, ROY A, OREGON STATE UNIVERSITY, CORVALLIS, OREG. Biomedical sciences support (universities).

505RR-07060-09 (NSS) NOVICK, AARON, UNIVERSITY OF OREGON, GRADUATE SCHOOL, EUGENE, ORE. Biomedical sciences support (universities).

505RR-07081-09 (NSS) SCHATZ, EDWARD R, CARNEGIE-MELLON UNIVERSITY, 5000 FORBES AVENUE, PITTSBURGH, PA. Biomedical sciences support (universities).

505RR-07082-09 (NSS) BARRON, GEORGE P, PENNSYLVANIA STATE UNIVERSITY, 207 OLD MAIN BUILDING, UNIVERSITY PARK, PA. Biomedical sciences support (universities).

505RR-07083-09 (NSS) HOBSTETTER, JOHN N, UNIVERSITY OF PENNSYLVANIA, 111 COLLEGE HALL, PHILADELPHIA, PA. Biomedical sciences support (universities).

505RR-07084-09 (NSS) ROSENBERG, JEROME L, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. Biomedical sciences support (universities).

505RR-07085-09 (NSS) LEDUC, ELIZABETH H, BROWN UNIVERSITY, BOX G, PROVIDENCE, R I. Biomedical sciences support (universities).

505RR-07087-09 (NSS) HAYWOOD, H CARL, GEORGE PEABODY COLL FOR TEACH, NASHVILLE, TENN. Biomedical sciences support (universities).

505RR-07083-07 (NSS) SMITH, HILTON A, UNIVERSITY OF TENNESSEE, CUMBERLAND AVENUE, KNOXVILLE, TENN. Biomedical sciences support (universities).

505RR-07089-09 (NSS) CAMPBELL, ERNEST G, VANDERBILT UNIVERSITY, NASHVILLE, TENN. Biomedical sciences support (universities).

505RR-07090-09 (NSS) CALHOUN, JOHN C, JR, TEXAS A&M UNIVERSITY, COLLEGE STATION, TEX. Biomedical sciences support (universities).

505RR-07091-09 (NSS) SUTTON, H ELDON, UNIVERSITY OF TEXAS AT AUSTIN, AUSTIN, TEX. Biomedical sciences support (universities).

505RR-07092-09 (NSS) SPIKES, JOHN D, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH. Biomedical sciences support (universities).

505RR-07093-08 (NSS) PETERSON, DEAN F, UTAH STATE UNIVERSITY, LOGAN, UTAH. Biomedical sciences support (universities).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

505RR-07094-09 (NSS) BARNES, DENNIS W, MADISON HALL, UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. Biomedical sciences support (universities).

505RR-07095-07 (NSS) WILSON, COYT T, VIRGINIA POLYTECHNIC INSTITUTE, AND STATE UNIVERSITY, BLACKSBURG, VA. Biomedical sciences support (universities).

505RR-07094-09 (NSS) FARWELL, GEORGE W, 203 ADMINISTRATION BUILDING, UNIVERSITY OF WASHINGTON, SEATTLE, WASH. Biomedical sciences support (universities).

505RR-07097-09 (NSS) NYMAN, C J, WASHINGTON STATE UNIVERSITY, GRADUATE SCHOOL, PULLMAN, WASH. Biomedical sciences support (universities).

505RR-07098-09 (NSS) BOCK, ROBERT M, UNIVERSITY OF WISCONSIN, MADISON, WIS. Biomedical sciences support (universities).

505RR-07099-08 (NSS) TABORSKY, GEORGE, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CALIF. Biomedical sciences support (universities).

505RR-07103-08 (J) GORDON, W E, RICE UNIVERSITY, HOUSTON, TEXAS. Biomedical sciences support (universities).

505RR-07104-08 (NSS) SHUSTER, WILLIAM W, RENSSELAER POLYTECHNIC INST, TROY, N Y. Biomedical sciences support (biomedical institutes).

505RR-07107-07 (NSS) BURFORD, M GILBERT, WESLEYAN UNIVERSITY, MIDDLETOWN CONN. Biomedical sciences support (universities).

505RR-07109-06 (NSS) MAWE, RICHARD C, HUNTER COLLEGE OF THE CUNY, NEW YORK, N Y. Biomedical sciences support (universities).

505RR-07118-07 (NSS) GIFFORD, PROSSER, AMHERST COLLEGE, P O BOX 39, AMHERST, MASS. Biomedical sciences support (universities).

505RR-07112-07 (NSS) BURKE, W J, ARIZONA STATE UNIVERSITY, TEMPE, ARIZ. Biomedical sciences support (universities).

505RR-07113-07 (NSS) MOORE, ALLEN C, CASE WESTERN RESERVE UNIV, CLEVELAND, OHIO. Biomedical sciences support (universities).

505RR-07114-07 (NSS) CONTI, SAMUEL F, UNIVERSITY OF KENTUCKY, T H MORGAN SCH OF BIO SCIENCES, LEXINGTON, KY. Biomedical sciences support (universities).

505RR-07115-07 (NSS) JOHNSON, GEORGE, TEMPLE UNIVERSITY, BROAD & MONTGOMERY STREETS, PHILADELPHIA, PA. Biomedical sciences support (universities).

505RR-07118-05 (NSS) HANSEN, RONALD G, SOUTHERN ILLINOIS UNIVERSITY, GRADUATE SCHOOL, CARBONDALE, ILL. Biomedical sciences support (universities).

505RR-07122-06 (NSS) BAGUIONI, CORRADO, STATE UNIV OF N Y AT ALBANY, 1400 WASHINGTON AVENUE, ALBANY, N Y. Biomedical sciences support (universities).

505RR-07128-06 (NSS) O'CONNOR, JAMES P, CATHOLIC UNIVERSITY OF AMERICA, WASHINGTON, D C. Biomedical sciences support (universities).

505RR-07124-06 (NSS) KOMAR, ARTHUR, YESHIVA UNIVERSITY, NEW YORK, N Y. Biomedical sciences support (universities).

505RR-07125-05 (NSS) MAC MILLAN, WILLIAM H, UNIVERSITY OF VERMONT, WATERMAN BUILDING, BURLINGTON, VT. Biomedical sciences support (universities).

505RR-07126-03 (NSS) PROSHANSKY, HAROLD M, GRAD SCHOOL & UNIV CENTER, CITY UNIVERSITY OF NEW YORK, NEW YORK, N Y. Biomedical sciences support (universities).

505RR-07127-06 (NSS) JORDAN, JOHN P, COLORADO STATE UNIVERSITY, FORT COLLINS, COLO. Biomedical sciences support (universities).

505RR-07129-06 (NSS) SUN, HUN H, DREXEL UNIVERSITY, PHILADELPHIA, PA. Biomedical sciences support (universities).

505RR-07131-05 (NSS) OBEAR, FREDERICK W, OAKLAND UNIVERSITY, OFFICE OF THE PROVOST, ROCHESTER, MICH. Biomedical sciences support (universities).

505RR-07132-05 (NSS) LEVINE, LOUIS, CITY COLLEGE OF THE CUNY, 138TH STREET AND CONVENT AVE, NEW YORK, N Y. Biomedical sciences support (universities).

505RR-07133-05 (NSS) CLOWES, ROYSTON C, UNIVERSITY OF TEXAS AT DALLAS, P O BOX 30365, DALLAS, TEX. Biomedical sciences support (universities).

505RR-07134-02 (NSS) ANDERSON, C LE ROY, UNIVERSITY OF MONTANA, MISSOULA, MONT. Biomedical sciences support (universities).

505RR-07135-04 (NSS) HAMMOND, GEORGE S, UNIVERSITY OF CALIFORNIA, SANTA CRUZ, CALIF. Biomedical sciences support (universities).

505RR-07136-03 (NSS) HERZBERG, DONALD G, GEORGETOWN UNIVERSITY, 37TH & O STS, N W, WASHINGTON, D C. Biomedical sciences support (universities).

505RR-07138-03 (NSS) YORK, CARL M, UNIVERSITY OF DENVER, DENVER, COLO. Biomedical sciences support grant.

505RR-07141-08 (NSS) PINGBER, HVRING, HAVERFORD COLLEGE, HAVERFORD, PA. Biomedical sciences support (college).

505RR-07143-03 (NSS) FINE, SAMUEL, NORTHEASTERN UNIVERSITY, 360 HUNTINGTON AVENUE, BOSTON, MASS. Biomedical sciences support (university).

505RR-07146-01 (NSS) HANNUK, EDWARD S, WESTERN MICHIGAN UNIVERSITY, KALAMAZOO, MICH. Biomedical sciences support (universities).

505RR-07147-02 (NSS) PITTS, DONALD G, UNIVERSITY OF HOUSTON, CULLEN BOULEVARD, HOUSTON, TEX. Biomedical sciences support (universities).

505RR-07148-01 (NSS) KNUDSON, ALFRED G, POST OFFICE BOX 20367, HOUSTON, TEX. Biomedical sciences support (university).

505RR-07149-01 (NSS) HALL, WAYNE C, S U N Y - AT BINGHAMTON, BINGHAMTON, N Y. Biomedical sciences support (university).

506RR-08000-03 (NSS) RHAN, TALAAT I, RUST COLLEGE, HOLLY SPRINGS, MISS. Biomedical effects of mercury and insecticides (Rust College).

506RR-08001-03 (NSS) GHOSH, KALYAN K, SHAW UNIVERSITY, 118 E SOUTH STREET, RALEIGH, N C. Biomedical research and research training support (Shaw University).

506RR-08002-03 (GRS) JOHNSON, WILLIAM T, LINCOLN UNIVERSITY, LINCOLN UNIVERSITY, PA. Lincoln University program for biomedical research.

506RR-08003-03 (NSS) ROBINSON, JACK L, SOUTHEASTERN STATE COLLEGE, DURANT, OKLA. Southeastern State College biomedical sciences program.

506RR-08003-03 (NSS) MACK, JULIUS L, FEDERAL CITY COLLEGE, 425 2ND ST, N W, WASHINGTON, D C. Environmental carcinogens (Federal City College)(human, hamsters).

506RR-08004-03 (NSS) JOHNSON, JOE, JR, ATLANTA UNIVERSITY, 223 CHESTNUT STREET SW, ATLANTA, GA. Biomedical sciences research improvement program (Atlanta University).

See GLOSSARY OF ABBREVIATIONS for explanation of grant and contract numbers.

(contd)

- PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE
- 506RR-08007-03 (NSS) BRADLEY, WALTER O, VIRGINIA UNION UNIVERSITY, 1500 NORTH LOMBARDY STREET, RICHMOND, VA. Virginia Union pesticide research program (rats).
- 506RR-08008-03 (NSS) CORNINGTON, JOYCE M, XAVIER UNIV OF LOUISIANA, 7325 PALMETTO STREET, NEW ORLEANS, LA. Xavier University of Louisiana biomedical research program (human).
- 506RR-08010-03 (NSS) OOGONJI, GILBERT O, COPPIN STATE COLLEGE, 2500 WEST NORTH AVENUE, BALTIMORE, MD. Special biomedical research and training program (Coppin State College).
- 506RR-08011-03 (NSS) FERGUSON, THOMAS, DELAWARE STATE COLLEGE, SCIENCE CENTER, DOVER, DEL. Radiation protection and drug analysis (Delaware State College)(human).
- 506RR-08012-03 (NSS) ROBERTSTAD, GORDON W, UNIVERSITY OF TEXAS, DEPT OF BIOLOGICAL SCI, EL PASO, TEX. Biomedical research internship program (Univ Texas at El Paso)(human).
- 506RR-08016-03 (NSS) RIER, JOHN P, JR, HOWARD UNIVERSITY, 2400 6TH STREET NORTHWEST, WASHINGTON, D C. Biomedical interdisciplinary project (Howard University)(human).
- 506RR-08019-03 (NSS) SULLIVAN, WALTER W, NORTH CAROLINA A&T STATE UNIV, 312 NORTH DUDLEY STREET, GREENSBORO, N C. Biomedical research (NC Agricult and Tech State University)(human).
- 506RR-08021-02 (GRS) EARNEST, CHARLES A, STILLMAN COLLEGE, POST OFFICE BOX 1430, TUSCALOOSA, ALA. Development of biomedical research capabilities (college).
- 506RR-08022-03 (GRS) COLLINS, LIMONE C, JOHNSON C SMITH UNIVERSITY, 100 BEATTIES FORD ROAD, CHARLOTTE, N C. Research methods for pre- and paramedical students (Johnson C Smith Univ).
- 506RR-08023-03 (NSS) BLACK, BILLY C, ALBANY STATE COLLEGE, DEPT OF CHEMISTRY, ALBANY, GA. Interdisciplinary biomedical science research (Albany State College)(human).
- 506RR-08025-03 (NSS) MC MAIRY, SIDNEY A, JR, SOUTHERN UNIVERSITY, BATON ROUGE, LA. Biomedical research at Southern University (human).
- 506RR-08028-03 (NSS) SAYLES, J HENRY, BENNETT COLLEGE, DIVISION OF SCIENCES, GREENSBORO, N C. Biomedical research and research training program (Bennett College).
- 506RR-08083-03 (NSS) BROWN, PAUL L, NORFOLK STATE COLLEGE, 2401 CORPREW AVENUE, NORFOLK, VA. Inhibitors of DNA and RNA and renin in human tissues (Norfolk State College).
- 506RR-08037-03 (GRS) JOHNSON, CHARLES W, MEHARRY MEDICAL COLLEGE, 1005 18TH AVENUE NORTH, NASHVILLE, TENN. Development and expansion of biomedical sciences (Meharry Medical College).
- 506RR-08038-03 (NSS) BACA, ERNEST J, PAN AMERICAN UNIVERSITY, EDINBURG, TEX. Developmental effects on South Padre Island (Pan American University).
- 506RR-08040-03 (NSS) ATKINSON, WILVERIA B, WINSTON-SALEM STATE UNIV, WINSTON-SALEM, N C. Project strengthen (Winston-Salem State University).
- 506RR-08041-03 (NSS) MILLER, HERMAN T, LINCOLN UNIVERSITY, 812 CHESTNUT STREET, JEFFERSON CITY, MO. Research participation in the health sciences (Lincoln University) (human).
- 506RR-08043-03 (NSS) HIRSCHFIELD, WILLIAM J, CHICAGO STATE UNIVERSITY, 95TH AND KING DRIVE, CHICAGO, ILL. Faculty research and student training in research (Chicago State Univ)(human).
- 506RR-08047-03 (NSS) GARRITY, EVELYN M, JACKSON STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, JACKSON, MISS. Biomedical research and research training-Jackson State College (human).
- 506RR-08043-03 (NSS) COOPER, EMERSON A, OAKWOOD COLLEGE, HUNTSVILLE, ALA. Biomedical research program for Oakwood College (human).
- 506RR-08049-03 (NSS) PATTILO, WALTER H, JR, NORTH CAROLINA CENTRAL UNIV, BIOLOGY DEPARTMENT, DURHAM, N C. Minority schools biomedical support program (North Carolina Central University).
- 506RR-08050-03 (NSS) POWLKS, EDISON R, BISHOP COLLEGE, 3837 SIMPSON-STUART ROAD, DALLAS, TEX. Interdisciplinary research in molecular biology (Bishop college).
- 506RR-08032-03 (NSS) JOHNSON, MELVIN A, JR, CENTRAL STATE UNIVERSITY, WILBERFORCE, OHIO. Central State University biomedical research program (human).
- 506RR-08054-02 (GRS) HILL, FRANKLIN D, GRAMBLING COLLEGE, DEPARTMENT OF CHEMISTRY, GRAMBLING, LA. Biomedical research support program (college).
- 506RR-08055-02 (GRS) JAMES, JESSE, KNOXVILLE COLLEGE, 901 COLLEGE STREET, N W, KNOXVILLE, TENN. Biomedical research program (college).
- 506RR-08056-03 (NSS) JACKSON, JOHNNY, SOUTHERN UNIV IN NEW ORLEANS, 6400 PRESS DRIVE, NEW ORLEANS, LA. Biomedical research projects at Southern University in New Orleans.
- 506RR-08060-03 (NSS) DATTA-GUPTA, NIRMALENDU, SOUTH CAROLINA STATE COLLEGE, BOX 1731, ORANGEBURG, S C. Porphyrins, carcinogenic agents and air pollution (South Carolina State College).
- 506RR-08061-03 (NSS) SESSION, JOHN J, TEXAS SOUTHERN UNIVERSITY, 3201 WHEELER ST, BOX 328, HOUSTON, TEX. Biomedical research improvement program (Texas Southern University) (human).
- 506RR-08062-03 (NSS) HULL, GEORGE, FISK UNIVERSITY, DEPARTMENT OF BIOLOGY, NASHVILLE, TENN. Fisk University biomedical research program.
- 506RR-08064-03 (NSS) SUTTON, WILLIAM W, DILLARD UNIVERSITY, 2601 GENTILLY BLVD, NEW ORLEANS, LA. Dillard University biomedical research program.
- 506RR-08066-03 (NSS) MAESTAS, SIOFREDO, NEW MEXICO HIGHLANDS UNIV, INST OF SCIENTIFIC RESEARCH, LAS VEGAS, N MEX. Coordinated research and training program (New Mexico Highlands Univ).
- 506RR-08067-03 (NSS) MENESSES, PATRICIO, CATHOLIC UNIVERSITY, LAS AMERICAS AVE - POST STA 06, PONCE, P R. CUPR biomedical research program (Catholic Univ Puerto Rico).
- 506RR-08073-03 (NSS) SOOD, SATYA P, UNIVERSITY OF HAWAII, P O BOX 1357, HILO, HAWAII. Growth control of cells, fundamental biologic studies (Univ Hawaii).
- 506RR-08074-03 (NSS) BONNER, ROBERT D, HAMPTON INSTITUTE, BOX 6164, HAMPTON, VA. Hampton Institute biomedical support program.
- 506RR-08075-01 (GRS) LATIMER, STEVE B, LANGSTON UNIVERSITY, P O BOX 780, LANGSTON, OKLA. Langston University faculty student training program.
- 506RR-08077-02 (GRS) HEALY, SISTER MARY D, INCARNATE WORD COLLEGE, 4301 BROADWAY, SAN ANTONIO, TEX. Multi-disciplinary biomedical research program (college).
- 506RR-08079-01 (GRS) WUTON, JOSEPH G, UNIVERSITY OF MARYLAND, EASTERN SHORE, PRINCESS ANNE, MD. Marine and estuarine pharmacology.
- 506RR-08084-01 (GRS) BLACK, DAN T, FORT VALLEY STATE COLLEGE, BOX 457, FORT VALLEY, GA. Trainers and faculty biomedical research program.
- 506RR-08087-01 (GRS) KHAN, SEKBENDER A, ELIZABETH CITY STATE UNIVERSITY, PARKVIEW DRIVE, ELIZABETH CITY, N C. Research improvement and development.
- 506RR-08090-02 (GRS) NEWKIRK, ROBERT F, VIRGINIA STATE COLLEGE, BOX G, PETERSBURG, VA. Research trainee program (college).
- 506RR-08091-02 (GRS) HENDERSON, J H, CARVER RESEARCH FOUNDATION, TUSKEGEE INSTITUTE, TUSKEGEE INST, ALA. Multidisciplinary biomedical research and research training program.
- 506RR-08092-01 (GRS) WOOD, HENDERSON K, TENNESSEE STATE UNIVERSITY, 3500 CENTENNIAL BLVD, NASHVILLE, TENN. Biomedical research program with student participation.
- 506RR-08095-02 (GRS) PARKER, HENRY L, ALCORN STATE COLLEGE, LORMAN, MISS. Immunochimistry of cellulase-Anticoagulants (college).
- 506RR-08096-02 (GRS) DAVIS, FRANK R, PAINE COLLEGE, 1235 15TH STREET, AUGUSTA, GA. Biomedical research with student participation (college).
- 506RR-08096-02 (GRS) OLIVIERE, JAMES, ALABAMA STATE UNIVERSITY, 915 SOUTH JACKSON STREET, MONTGOMERY, ALA. Biomedical research projects at Alabama State University.
- 506RR-08100-01 (GRS) CARON, AIMERY P, COLLEGE OF THE VIRGIN ISLANDS, ST THOMAS, US VIRGIN ISLANDS. Biomedical compounds from the Caribbean flora and fauna.
- 506RR-08101-02 (GRS) FERGUSON, LLOYD N, CALIFORNIA STATE UNIVERSITY, 5151 STATE UNIVERSITY DRIVE, LOS ANGELES, CALIF. Minority student training for biomedical research (university).
- 506RR-08102-02 (GRS) ALMODOVAR, ISMEL, UNIVERSITY OF PUERTO RICO, NATURAL SCIENCES DEPARTMENT, RIO PIEDRAS, P R. University biomedical education.
- 506RR-08103-01 (GRS) FELIU-OTERO, LUIS A, UNIVERSITY OF PUERTO RICO, MAYAGUEZ CAMPUS 204 CELIS BLDG, MAYAGUEZ, PUERTO RICO. Interdisciplinary training and research in biomedical science.
- 506RR-08105-01 (GRS) BACON, ARTHUR L, TALLADEGA COLLEGE, DEPT OF BIOLOGY, TALLADEGA, ALA. Support for biomedical studies.
- 506RR-08107-01 (GRS) PEREZ, JOHN C, TEXAS A AND I UNIVERSITY, W SANTA GERTRUDIS, KINGSVILLE, TEX. Biomedical research improvement.
- 506RR-08108-02 (GRS) PFEIFER, CHARLES H, JR, UNIVERSITY OF ALBUQUERQUE, ST JOSEPH PLACE, N W, ALBUQUERQUE, N MEX. Minority students biomedical research training program (university).
- 506RR-08110-02 (GRS) ASOKASRINIVASAM, G S, TOULALOO COLLEGE, TOUGALOO, MISS. Biomedical research program (college).
- 506RR-08111-02 (GRS) TTERLIKIS, LAMBROS, FLORIDA A & M UNIVERSITY, SCHOOL OF PHARMACY, TALLAHASSEE, FLA. Nucleoside analogs with antitumor activity (university).
- 506RR-08117-01 (GRS) FINLAY, MARY F, BENEDICT COLLEGE, HARDEN & BLANDING STREETS, COLUMBIA, S C. Pollution analysis with student participation.
- 506RR-08119-01 (GRS) COPELAND, RICHARD F, BETHUNE-COOKMAN COLLEGE, BOX 346, DAYTONA BEACH, FLA. Biomedical research and training program.
- 506RR-08123-01 (GRS) SMITH, C CLINTON, JR, NORTHEASTERN STATE COLLEGE, TAHLEQUAH, OKLA. NESC minority student science research program.
- 506RR-08124-01 (GRS) LETTON, JAMES C, KENTUCKY STATE UNIVERSITY, DEPARTMENT OF CHEMISTRY, FRANKFORT, KY. Kentucky State University biomedical research program.
- 506RR-08125-01 (GRS) MC KAUGHAN, HOWARD P, UNIVERSITY OF HAWAII, 2540 MALE WAY, HONOLULU, HAWAII. Ho'Ohaumana ina haumana biomedical.
- 506RR-08126-01 (GRS) MONETTE, GERALD E, TURTLE MT COUNSELING-REHAB CTR, BOX 520, BELCOURT, N DAK. Turtle Mountain counseling and rehabilitation center.
- NO1RR-12501-02 (***) CLARK, WILLIAM A, ROCKVILLE, MARYLAND. Maintain collections of microorganisms and cell cultures.
- NO1RR-12524-15 (***) STREET, DAVID, MAYNARD, MASSACHUSETTS. PDP-10 computer.
- NO1RR-22019-06 (***) FRIESEN, DAVID D, WALTHAM, MASSACHUSETTS. Specialized remote-access, time-shared computer system.
- NO1RR-22098-10 (***) NUNNERY, ARTHUR, OKLAHOMA CITY, OKLAHOMA. Clinical information study.
- NO1RR-22102-09 (***) CHRISTOPHER, T GRAHAM, SEATTLE, WASHINGTON. Clinical information study.
- NO1RR-22104-13 (***) THOMPSON, HOWARD N, JR, HOUSTON, TEXAS. Clinical research and computer technology.
- NO1RR-22106-10 (***) GRONER, GABRIEL F, SANTA MONICA, CALIFORNIA. Clinical information study.
- NO1RR-32134-04 (***) FOSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Domestic production of Rhesus monkeys.
- NO1RR-40044-16 0011 (***) DUNHAM, CHARLES L. Institutional change in regard to racial minority and women in NIMH.
- NO1RR-40044-16 0012 (***) YAGER, ROBERT M. Institutional change in regard to racial minority and women in NIMH.
- NO1RR-42141-00 (***) CONAWAY, CLINTON M, SAN JUAN, PUERTO RICO. Ecology and breeding of sub-human primates.
- NO1RR-42147-04 (***) CASTLEMAN, PAUL A, CAMBRIDGE, MASSACHUSETTS. Design, development, evaluation of software programs for the 'PROPHET' system.
- NO1RR-42153-00 (***) GARVEY, JOSEPH J, JOLIET, ILLINOIS. Conduct an accreditation program for laboratory animal care.
- NO1RR-42158-00 (***) DONOVICK, RICHARD, ROCKVILLE, MARYLAND. Maintain collections of strains of microorganisms and cell cultures.

PROJECT IDENTIFICATION DATA**2424****PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE**

NO1RR-42168-00 (**) HADFIELD, MICHAEL G, HONOLULU, HAWAII. Dev. of lab. mariculture techniques for aplysia, related marine gastropods.
 NO1RR-42169-00 (**) FAY, RYANON C, VENICE, CALIFORNIA. Dev. of lab. mariculture techniques for Aplysia, Hermissenda, Pleurobranchaea.
 NO1RR-42179-00 (**) DARROW, CLEMENT C, ROCKVILLE, MARYLAND. Breeding colony of rhesus monkeys.
 NO1RR-42180-00 (**) BOYD, DALE D, VIENNA, VIRGINIA. Breeding colony of rhesus monkeys.
 NO1RR-42184-00 (**) MOOR-JANKOWSKI, J, NEW YORK, NEW YORK. Nonhuman primate colonies for NIH research.
 NO1RS-22111-03 (**) DEROOB, ROGER L, MINNEAPOLIS, MINNESOTA. Study of high-purity water.
 NO1RS-32137-00 (**) PHILLIPS, G B, RESEARCH TRIANGLE PARK, NORTH

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

CAROLINA. Biohazards safety guide.
 NO1RS-42143-00 (**) GREER, WILLIAM E, NEW IBERIA, LOUISIANA. Provision of timed pregnant Macaca mulatta.
 NO1RS-42165-00 (**) NIEMANN, WENDELL H, TUXEDO, NEW YORK. Timed-pregnant baboons, Papio Papio.
 NO1RS-42177-00 (**) BLAKELY, GERALD A, SEATTLE, WASHINGTON. Provision of timed pregnant baboons (Papio Cynocephalus).
 NO1RS-42178-00 (**) MOORE, GARY T, SAN ANTONIO, TEXAS. Provision of baboon (Papio Cynocephalus) timed pregnancies.
 NO1RS-42181-00 (**) GREER, WILLIAM E, NEW IBERIA, LOUISIANA. Establishing and maintaining a breeding colony of rhesus monkeys.
 NO1RS-42182-00 (**) VALERIO, DAVID A, VIENNA, VIRGINIA. Breeding colony of rhesus monkeys.

See GLOSSARY of ABBREVIATIONS for explanation of grant and contract numbers.

RESEARCH CONTRACTS

- NO1AA-10115-07 (**)** STANFORD RESEARCH INSTITUTE, 333 RAVENSWOOD AVE, MENLO PARK, CALIFORNIA 94023. Monitoring operation of 10 alcoholic treatment centers.
- NO1AA-20123-08 (**)** GENERAL ELECTRIC CO, ARCHITECTS BLDG SUITE 1100, 1400 WILSON BLVD, ARLINGTON VIRG 22209. National Institute on Alcohol Abuse and Alcoholism-Clearinghouse.
- NO1AA-20149-08 (**)** TRIBAL AMERICAN/TRAINING, CONSULTANTS ASSOCIATED, 512 WILSON ST SUITE 302, GLENDALE, CALIFORNIA 91206. Pilot program for monitoring and evaluating NIAA funded projects.
- NO1AA-20154-02 (**)** STANFORD RES INSTI, 333 RAVENSWOOD AVE, MENLO PARK . CAL 94025. Evaluation of programs oriented toward alcoholic persons employed in industry.
- NO1AA-20155-02 (**)** HARRIS, LOUIS ASSOC, 1270 AVE AMERICAS, NEW YORK N Y 10020. Evaluation of public education campaign on alcohol use.
- NO1AA-20195-02 (**)** MALLORY INST PATH FDN, 784 MASSACHUSETTS AVE, BOSTON, MASS 20852. Factors affecting ethanol absorption from the gastrointestinal tract (animals).
- NO1AA-20203-00 (**)** RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIGANGLE PARK, NORTH CAROLINA 27709. Monitoring and evaluating the public inebriata program.
- NO1AA-30002-05 (**)** RES TRIANGLE INST, P O BOX 12194, RESEARCH TRIANGLE PARK, N CAROLINA. Perform surveys, analyses and related work in alcoholism.
- NO1AA-30031-00 (**)** RES FDN STATE UNIV NY, P O BOX 7126, ALBANY, N Y 12224. Study on interactions of alcoholism with cancer (phase II).
- NO1AA-30036-00 (**)** LINTON, MIELDS, & COSTON INC., SUITE 200, 1015 18TH ST, N.W., WASHINGTON, D.C. 20036. Study of impact of Alcoholism and Intoxication Treatment Act.
- NO1AA-30039-00 (**)** TRACOR-JITCO, INC, 1601 RESEARCH BLVD, ROCKVILLE, MD 20850. Study on interactions of alcoholism with cancer.
- NO1AA-30072-00 (**)** UNIVERSITY OF MICHIGAN, RESEARCH ADMINISTRATION BLDG, NORTH CAMPUS, ANN ARBOR, MICHIGAN 48104. Alcohol consumption and coronary heart disease.
- NO1AA-30074-00 (**)** UNIVERSITY RESEARCH COPORATION, 5530 WISCONSIN AVE, N W, SUITE 1600, WASHINGTON, D.C. 20015. National Center for Alcohol Education.
- NO1AA-30077-02 (**)** MR. LEONARD C HALL, BOX 53-B RTE 2, EDGEWATER, MARYLAND 21037. Prepare manuscripts on alcoholism.
- NO1AA-30080-01 (**)** RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709. Adolescent alcohol drinking behavior.
- NO1AA-30100-00 (**)** GREY ADVERTISING, INC, 777 THIRD AVE, NEW YORK N Y 10017. Nationwide alcohol abuse and alcoholism campaign.
- NO1AA-30102-00 (**)** JOINT COMM ACCREDITATION HOSP, CHICAGO, ILL 60611. Accreditation standard for alcoholism programs and facilities.
- NO1AA-30103-00 (**)** SOCIO-TECH SYSTEMS ASSOC, INC, 29 COMMONWEALTH AVE, BOSTON, MASS 02116. Study alcohol effects on old age (phase II).
- NO1AA-30105-00 (**)** BAY HENRY ASSOC, 2814 PENN AVE, N.W., WASHINGTON, D.C 20007. Development of articles on alcohol abuse and alcoholism.
- NO1AA-30106-00 (**)** INFORMATICS, INC, 6000 EXECUTIVE BOULEVARD, ROCKVILLE, MARYLAND 20852. Operation and support for alcoholic treatment center monitoring system.
- NO1AA-30107-00 (**)** SOUTHERLAND LEARNING ASSOC INC, 8425 W THIRD ST, LOS ANGELES, CALIFORNIA 90048. Model learning system in alcohol abuse and alcoholism prevention (human).
- NO1AA-30109-00 (**)** TEXAS DEPT MH, P.O. BOX 12668, CAPITOL STATION, AUSTIN, TEXAS 78711. Effectiveness of state alcoholism programs.
- NO1AA-30110-00 (**)** RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIANGLE, PARK N C 27. Contexts of drinking of alcohol (human).
- NO1AA-30113-00 (**)** UNIVERSITY OF CALIF, 405 HILGARD AVENUE, LOS ANGELES, CALIFORNIA 90024. Relationships between alcohol consumption and heart disease.
- NO1AA-30114-00 (**)** POLICY ANALYSIS, INC, 70 WARREN ST, NEWTON CENTER, MASSCHUSETTS 021. Economic cost of alcohol abuse and alcoholism.
- NO1AA-30116-00 (**)** INTERNATIONAL AGENCY RESEARCH, CANCER WORLD HEAL ORGANIZATION, 150 COURS ALBERT THOMOS, 9008 LYON FRANCE. Alcohol beverages in etiology of certain cancers in man.
- NO1AA-30117-00 (**)** THE EDUCATION, 300 LINCOLN TOWER, 1860 LINCOLN ST, DENVER COLORADO 80203. Involving an educational system in alcohol abuse prevention.
- NO1AA-30119-00 (**)** MCBER AND COMPANY, 675 MASS AVE, CAMBRIDGE, MASS 02139. Interactions between alcohol and aggression in personality (human).
- NO1AA-40001-00 (**)** ALASKA COMM ALCOHOL, ANCHORAGE, ALASKA 99501. Technical assistance to Alaskan native alcoholism program.
- NO1AA-40002-00 (**)** WORLD HEALTH ORGANIZATION, AVENUE APPIA 1211, 27 GENEVA, SWITZERLAND. Identifying and classifying disabilities related to alcohol consumption.
- NO1AA-40003-00 (**)** NATL COUN ALCOHOL, 2 PARK AVE, NEW YORK, N Y 10016. Performs surveys, analyses and related work in the field of alcohol abuse.
- NO1AA-40005-00 (**)** AMERICAN MED ASSN, 535NORTH DEARBORN ST, CHICAGO, ILL 60610. Support of conference on medical complications of alcohol abuse.
- NO1AA-40006-00 (**)** N.Y. COUNCIL ALCOHOLISM, 29 EAST 22ND ST., NEW YORK, N.Y. 10010. Support of interstate regional conference on alcoholism.
- NO1AA-40007-64 (**)** H-2, INC, POST OFFICE BOX 10503, RALEIGH, N.C. 27605. State regulatory agency survey and ATC cost /benefit study.
- NO1AA-40006-00 (**)** STANFORD, RES INST, 333 RAVENSWOOD, AVE, MENLO PARK, CAL 94025. Follow-up study of alcoholism treatment center clients.
- NO1AA-40009-00 (**)** COMPUTER HORIZONS, 1060 KINGS HIGHWAY NORTH, CHERRY HILL, N J. 08034. Structure and impact of alcohol research.
- NO1AA-40018-00 (**)** ROY LITTLEJOHN ASSOC, 1335 GREEN COURT, N.W., WASHINGTON, D.C. 20005. Certification criteria for alcoholism counselors and staff.
- NO1AA-40012-00 (**)** NAT YOUTH ALTER PROJ, DIV OF NEW COMM SCHOOLS, INC, 1830 CONNECTICUT AVE, N.W., WASHINGTON, D.C. 20009. Alcoholism and youth.
- NO1AA-40013-00 (**)** OPINION RES CORP, 1120 CONNECTICUT AVE, N.W., WASHINGTON, D.C. 20036. Attitudes and behavior regarding alcoholism.
- NO1AA-40014-00 (**)** FATHER JOSEPH MARTIN, ST.MARY'S SEMINARY, 600 NORTH PACA ST, BALTIMORE, MD 21201. Pastoral counseling related to alcoholism in navy.
- NO1AA-40017-00 (**)** BOOZ-ALLEN & HAMILTON, INC, 1025 CONNECTICUT AVE N.W., WASHINGTON, D.C. 20036. New alcoholism treatment approaches and present pattern of alcohol taking.
- NO1AA-40018-00 (**)** CONTROLLED, SUBSTANCE INFO, POST OFFICE BOX 5554, ARLINGTON, VA 22205. Implementation of legislation relating to alcohol abuse and alcoholism.
- NO1AA-40019-00 (**)** NAT CONGR PARENTS & TEACHERS, 700 RUSH ST, CHICAGO, ILL 60611. Alcohol education program for parents and school children.
- NO1AA-40020-00 (**)** DOTY ASSOC, 416 HUNGERFORD DRIVE, ROCKVILLE, MD 20850. NAAA monitoring system data.
- NO1AA-40021-00 (**)** C.R. BEEK ASSO, 10404 LLOYD RD, POTOMAC, MD 20854. Publications and audiovisual presentations in alcoholism.
- NO1AA-40022-64 (**)** GREY ADVERTISING, INC, 777 THIRD AVE, NEW YORK, N.Y. 10017. Nationwide alcohol abuse and alcoholism advertising campaign.
- NO1AA-40023-00 (**)** WOLPER PROD, 8489 WEST 3RD ST, LOS ANGELES, CALIF 90048. Films entitled 'The Morning After'.
- NO1AA-40026-00 (**)** GEN FED WOMENS CLUBS, 1734 N ST, N.W., WASHINGTON, D.C. 20036. Implementation of a national alcohol abuse prevention program.
- NO1AA-40027-00 (**)** OPINION RES CORP, N.HARRISON ST, PRINCETON, NEW JERSEY 08540. Evaluation of NIAA public information campaign.
- NO1AA-40028-00 (**)** STANFORD RES INST, 333 RAVENSWOOD AVE, MENLO PARK, CALIF 94025. Monitoring system in NIAAA funded poverty projects.
- NO1AA-40029-00 (**)** INT COUNCIL ALCO & ADD, CASE PASTALE 140, 1001 LAUSANNE, SWITZERLAND. International symposium on alcoholism.
- NO1AA-40030-00 (**)** INSIGHT INT, INC., 124 WEST FIRST ST, FLINT, MICHIGAN 48502. Outpatient alcoholism treatment facility.
- NO1AA-40021-00 (**)** PRAGMATICS, INC., POST OFFICE BOX 88261, INDIANAPOLIS, IND 46208. Alcoholism treatment program for health maintenance organization.
- NO1AA-40022-00 (**)** STANFORD RES INST, 333 RAVENSWOOD AVE, MENLO PARK, CALIF 94025. Evaluating the operation DOT/NIAAA joint alcoholism program.
- NO1AA-40033-00 (**)** METCOR, INC., 2000 P ST, N.W. SUITE 505, WASHINGTON, D.C. 20037. Training of thirty ex-convicts as alcoholism counseling.
- NO1AA-40034-00 (**)** INT CTR PSYCHODIAGNOSTICS, INC., 475 FIFTH AVE, NEW YORK, N.Y. 10017. The drinking habits of teenagers in New York and Rome.
- NO1AA-24001-04 (**)** DAVIDSON, JANICE L, INDIANAPOLIS, INDIANA. Indiana MEDHC project.
- NO1AA-24004-03 (**)** ABERCROMBIE, THOMPSON T, BIRMINGHAM, ALABAMA. Expand MEDHC program in Alabama.
- NO1AA-24011-04 (**)** MARSTON, JOHN P, RALEIGH, NORTH CAROLINA. Expand MEDHC program in North Carolina.
- NO1AA-24016-03 (**)** SMITH, STEWART C, SALT LAKE CITY, UTAH. Expand MEDHC program in Utah.
- NO1AA-24026-03 (**)** BROWN, MONICA V, COLUMBUS, OHIO. Expand MEDHC program in Ohio.
- NO1AA-24028-04 (**)** ADAIR, FRED, SAINT PAUL, MINNESOTA. Expand MEDHC program in Minnesota.
- NO1AA-24029-04 (**)** CASPER, BERNARD V, DETROIT, MICHIGAN. Employment and further health training of veterans.
- NO1AA-24040-05 (**)** BOBER, WILLIAM, SALEM, OREGON. Expand MEDHC program in Oregon.
- NO1AA-24042-03 (**)** MARTIN, LYNN W, COLUMBIA, MISSOURI. Expand MEDHC program in Missouri.
- NO1AA-24048-04 (**)** STORRER, RICHARD L, CAMP HILL, PENNSYLVANIA. Expand MEDHC program in Pennsylvania.
- NO1AA-24058-03 (**)** MERKEL, ROBERT D, NEW ORLEANS, LOUISIANA. Expand MEDHC program in Louisiana.
- NO1AA-24060-03 (**)** MC GAVACK, JOHN, JR, NEW HAVEN, CONNECTICUT. Guidance and counseling services for careers in allied health.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1AH-24064-02 (** FARRIS, JEFFERSON D, CORWAY, ARKANSAS. Expand MEDIHC program in Arkansas.
- NO1AH-24220-02 (** WOHLERS, GLEN D, OLYMPIA, WASHINGTON. Support for MEDIHC program.
- NO1AH-24242-02 (** ADAMS, FRED, HARTFORD, CONNECTICUT. Consortium for allied health education.
- NO1AH-24345-01 (** COOK, DONALD M, WASHINGTON, DISTRICT OF COLUMBIA. Clinical training for allied health professionals.
- NO1AH-34018-04 (** HIATT, HOWARD H, CAMBRIDGE, MASSACHUSETTS. Evaluation of the educational program of the school of public health.
- NO1AH-34096-02 (** PRICE, ELIZABETH, CHICAGO, ILLINOIS. Roles and functions of medical record personnel.
- NO1AH-34118-02 (** PETERSON, KENT, WASHINGTON, DISTRICT OF COLUMBIA. Health and behavioral science curriculum in health services administration.
- NO1AH-44002-00 (** SILVER, EVELYN, WASHINGTON, DISTRICT OF COLUMBIA. National conference on operation MEDIHC.
- NO1AH-44005-00 (** POLEY, JOSEPH J, CHICAGO, ILLINOIS. To expand the MEDIHC program in Illinois.
- NO1AH-44010-00 (** MC LEOD, JAMES L, AUGUSTA, GEORGIA. Expand the MEDIHC program in Georgia.
- NO1AH-44018-00 (** CANNON, JOSEPH E, PROVIDENCE, RHODE ISLAND. Expand the MEDIHC program in Rhode Island.
- NO1AH-44019-00 (** GALLAGHER, THOMAS P, PRINCETON, NEW JERSEY. Expand the MEDIHC program in New Jersey.
- NO1AH-44020-00 (** GOUDY, PELTON, MONTPELIER, VERMONT. Expand the MEDIHC program in Vermont.
- NO1AH-44021-00 (** SHOOK, JOHN M, JACKSON, MISSISSIPPI. Expand the MEDIHC program in state of Mississippi.
- NO1AH-44022-00 (** NATTI, ELIZABETH F, CONCORD, NEW HAMPSHIRE. Expand the MEDIHC program in New Hampshire.
- NO1AH-44023-00 (** PIERNOT, CRAIG A, MADISON, WISCONSIN. Expanded MEDIHC program in Wisconsin.
- NO1AH-44024-00 (** CROCENZI, JOHN E, DOVER, DELAWARE. Expand the MEDIHC program in Delaware.
- NO1AH-44025-00 (** BOSWELL, NORMAN, RICHMOND, VIRGINIA. Expand the MEDIHC program in Virginia.
- NO1AH-44028-00 (** HART, JAMES C, HARTFORD, CONNECTICUT. To expand MEDIHC program in Connecticut.
- NO1AH-44029-00 (** SHINDLEDECKER, JOHN B, BOISE, IDAHO. Expand the MEDIHC program in Idaho.
- NO1AH-44030-00 (** MEANY, JOHN, ALBANY, NEW YORK. Expand the MEDIHC program in New York.
- NO1AH-44031-00 (** HOUCK, EDWARD, OKLAHOMA CITY, OKLAHOMA. Expansion of the MEDIHC program.
- NO1AH-44032-00 (** LACOMBE, JAMES L, ALBUQUERQUE, NEW MEXICO. Expand the MEDIHC program in the state of New Mexico.
- NO1AH-44033-00 (** TAMBURINO, JOSEPH W, BURLINGTON, MASSACHUSETTS. Expand the MEDIHC program in Massachusetts.
- NO1AH-44035-00 (** SANGSTER, TOM R, DENVER, COLORADO. Expand the MEDIHC program in Colorado.
- NO1AH-44036-00 (** KRAUSE, RONALD D, PHOENIX, ARIZONA. Expand the MEDIHC program in Arizona.
- NO1AH-44037-00 (** ANDERSEN, PAUL, TALLAHASSEE, FLORIDA. Expand the MEDIHC program in Florida.
- NO1AH-44038-00 (** HARRIS, FRANKLIN D, LINCOLN, NEBRASKA. Expand MEDIHC program in Nebraska.
- NO1AH-44039-00 (** ULMER, S J, JR, COLUMBIA, SOUTH CAROLINA. Expansion of the MEDIHC program.
- NO1AH-44030-00 (** BARRON, TERRY D, CHARLESTON, WEST VIRGINIA. Expand the MEDIHC program in the state of West Virginia.
- NO1AH-44041-00 (** HULL, KENNETH H, DES MOINES, IOWA. Expand MEDIHC program in Iowa.
- NO1AH-44042-00 (** SHAPPER, LARRY K, TOPEKA, KANSAS. Expand MEDIHC program in Kansas.
- NO1AH-44044-00 (** DISSER, RALPH, NASHVILLE, TENNESSEE. Expansion of MEDIHC program in Tennessee.
- NO1AH-44068-00 (** CONFREY, EUGENE A, BETHESDA, MARYLAND. Physicians assistants-Status and issues.
- NO1AH-44073-00 (** BROWN, MONICA V, COLUMBUS, OHIO. Coordination of allied health educational programs.
- NO1AH-44077-00 (** EMERSON, ROBERT L, AUGUSTA, MAINE. Expand MEDIHC program in Maine.
- NO1AH-44078-00 (** LEVY, SYLVIA L, HONOLULU, HAWAII. Expansion of MEDIHC in Hawaii.
- NO1AH-44000-00 (** WILLARD, NORMAN, FRANKFORT, KENTUCKY. Expand the MEDIHC program in state of Kentucky.
- NO1AH-44081-00 (** MOSES, TOM, BALTIMORE, MARYLAND. Expand MEDIHC program in Maryland.
- NO1AH-44082-00 (** GREENE, SHARON, RENO, NEVADA. Expand MEDIHC program in Nevada.
- NO1AH-44090-00 (** HIGLEY, PHYLLIS, ALBANY, NEW YORK, NEW YORK. Allied health teacher education program.
- NO1AH-44102-00 (** FERGUSON, ALAN D, WELLESLEY, MASSACHUSETTS. Optometric educational institution.
- NO1AH-44105-00 (** BARSTOW, M G, CAMBRIDGE, MASSACHUSETTS. HMO's and similar health systems.
- NO1AH-44106-00 (** EWIGLEHEN, ROBERT L, BIG RAPIDS, MICHIGAN. Clinical education in allied health discipline.
- NO1AH-44108-00 (** BEZONI, R H, KANSAS CITY, MISSOURI. Curriculum for non-physician primary care practitioners.
- NO1AH-44109-00 (** WALDEN, DAVID C, LOS ANGELES, CALIFORNIA. Associated health education programs.
- NO1AH-44110-00 (** GRIFFIN, NICHOLAS, CHICAGO, ILLINOIS. Evaluate competency of a physician-assistant.
- NO1AH-44111-00 (** HAWKINS, ARTHUR G, WASHINGTON, DISTRICT OF COLUMBIA. Allied health counselor training program.
- NO1AH-44112-00 (** MAGEE, DONALD, WASHINGTON, DISTRICT OF COLUMBIA. Clinical education and clinical staff development.
- NO1AH-44113-00 (** COTTON, RAYMOND, WASHINGTON, DISTRICT OF COLUMBIA. Information system among US Schools of Public Health.
- NO1AH-44114-00 (** DEMPSEY, J E, CARBONDALE, ILLINOIS. National model for rural health manpower.
- NO1A1-02051-10 (** PIERCE, NATHANIEL F, BALTIMORE, MARYLAND. Service laboratory for MIH cholera research program (human, dogs, rabbits).
- NO1A1-02065-09 (** SENTERFIT, LAURENCE B, NEW YORK, NEW YORK. Clinical trials of M pneumoniae vaccine (human, mammals).
- NO1A1-02079-04 (** SCHAEFER, WERNER B, DENVER, COLORADO. Serological identification of atypical mycobacteria.
- NO1A1-02101-04 (** VERWEY, WILLARD F, GALVESTON, TEXAS. Study of cholera toxoids in human volunteers.
- NO1A1-02126-05 (** PAUCKER, KURT, PHILADELPHIA, PENNSYLVANIA. Production of anti-interferon sera (human, mice).
- NO1A1-02131-05 (** FRIEDMAN-KIEN, ALVIN E, NEW YORK, NEW YORK. Study of interferon and interferon inducers (rabbits, mice).
- NO1A1-02132-06 (** EASTERDAY, BERNARD C, MADISON, WISCONSIN. Interferon, interferon inducers and antiviral substances (swine).
- NO1A1-02169-07 (** VLCEK, JAN T, NEW YORK, NEW YORK. Methods of producing human interferon.
- NO1A1-22075-02 (** WORTH, ROBERT M, HONOLULU, HAWAII. Leprosy surveillance of Pingelapese population.
- NO1A1-22501-02 (** MC INTOSH, KENNETH, DENVER, COLORADO. Clinical evaluation of respiratory vaccines in children and infants.
- NO1A1-22502-03 (** GOLD, RONALD, STORRS, CONNECTICUT. Clinical evaluation of bacterial polysaccharide vaccines.
- NO1A1-22503-03 (** DOUGLAS, R GORDON, JR, ROCHESTER, NEW YORK. Clinical evaluation of respiratory vaccines in children and infants.
- NO1A1-22504-02 (** SIMPSON, ROBERT W, NEW BRUNSWICK, NEW JERSEY. Develop attenuated mutants of RSV and PIV as potential vaccine strains (hamsters).
- NO1A1-22505-02 (** DENNY, FLOYD W, CHAPEL HILL, NORTH CAROLINA. Clinical evaluation of respiratory vaccines.
- NO1A1-22506-03 (** WEHRLE, PAUL F, LOS ANGELES, CALIFORNIA. Clinical evaluation of bacterial polysaccharide vaccines.
- NO1A1-22507-03 (** KARZON, DAVID T, NASHVILLE, TENNESSEE. Clinical evaluation of respiratory vaccines in children and infants.
- NO1A1-22508-03 (** GWALTNEY, JACK M, JR, CHARLOTTEVILLE, VIRGINIA. Clinical evaluation of influenza virus and Mycoplasma pneumoniae vaccines.
- NO1A1-22513-03 (** FREID, MARVIN A, OAKLAND, CALIFORNIA. Efficacy of dodecavalent pneumococcal vaccine.
- NO1A1-22515-06 (** ADKINS, HARRY F, ROCKVILLE, MARYLAND. Repository and distribution center for leucocyte typing sera (human).
- NO1A1-22516-06 (** HAF, RICHARD F, PHILADELPHIA, PENNSYLVANIA. Purification, safety testing and preparation of human leukocyte interferon.
- NO1A1-22518-03 (** GLASGOW, LOWELL A, SALT LAKE CITY, UTAH. Research antiviral substances and animal systems.
- NO1A1-22521-04 (** GOOD, ROBERT C, VIENNA, VIRGINIA. Study of BCG vaccination by aerosol route in monkeys.
- NO1A1-22522-02 (** JAMESON, G A, BETHESDA, MARYLAND. Establishment of hepatitis testing laboratory.
- NO1A1-22525-03 (** HANSEN, EDER, BERKELEY, CALIFORNIA. Cultivation of molluscan cell lines (snails).
- NO1A1-22527-03 (** BAYNE, C J, CORVALLIS, OREGON. Cultivation of molluscan cell lines (snails).
- NO1A1-22529-03 (** JONASSON, OLGA, CHICAGO, ILLINOIS. Histocompatibility-matching in renal transplantation.
- NO1A1-22530-03 (** YUNIS, EDMOND J, MINNEAPOLIS, MINNESOTA. Histocompatibility-matching in renal transplantation.
- NO1A1-22531-02 (** STASTNY, PETER, DALLAS, TEXAS. Evaluation of histocompatibility matching.
- NO1A1-22532-04 (** CH'EN, LAWRENCE T, BIRMINGHAM, ALABAMA. Central facility study treatment of serious viral infections with chemotherapeuti.
- NO1A1-22536-02 (** BRAUN, WILLIAM E, CLEVELAND, OHIO. Histocompatibility-matching in renal transplantation.
- NO1A1-22539-03 (** MAY, ALLYN G, ROCHESTER, NEW YORK. Histocompatibility-matching in renal transplantation.
- NO1A1-22540-04 (** BELZER, FOLKERT O, SAN FRANCISCO, CALIFORNIA. Evaluation of ALG as immunosuppressive agent (human).
- NO1A1-32502-02 (** SMITH, HARRY L, JR, PHILADELPHIA, PENNSYLVANIA. Operation and maintenance of cholera vibrio reference laboratory.
- NO1A1-32503-02 (** HORNICK, RICHARD B, BALTIMORE, MARYLAND. Study of viral vaccine in man.
- NO1A1-32504-03 (** ROGERS, LAYTON, SPRINGFIELD, VIRGINIA. Australian antigen animal research and holding facility.
- NO1A1-32505-01 (** BLACKLOW, NEIL R, BOSTON, MASSACHUSETTS. Clinical studies of the agents of acute non-bacterial gastroenteritis (human).
- NO1A1-32506-02 (** COUCH, ROBERT B, HOUSTON, TEXAS. Evaluation of respiratory virus vaccines (human).
- NO1A1-32508-03 (** PERRY, VERNON P, ROCKVILLE, MARYLAND. Freeze-drying of typing sera.
- NO1A1-32509-02 (** EDGINGTON, THOMAS S, LA JOLLA, CALIFORNIA. Immunohistochemical assay of hepatitis virus associated antigens (monkeys).

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1AI-32511-02 (**)** THOMAS, EDWARD D, SEATTLE, WASHINGTON. Evaluation of typing techniques in clinical homotransplantation.
- NO1AI-32512-03 (**)** TEMPELIS, CONSTANTINE H, BERKELEY, CALIFORNIA. Produce and evaluate antisera used to identify mosquito blood meals.
- NO1AI-32515-05 (**)** HILMS, RONALD W, CHAPEL HILL, NORTH CAROLINA. Efficacy of tissue matching in renal transplants.
- NO1AI-32516-01 (**)** WEBSTER, ROBERT G, MEMPHIS, TENNESSEE. Preparation of antagonist to isolated H and N subunits of influenza viruses.
- NO1AI-32517-03 (**)** AUSTRIAN, ROBERT, PHILADELPHIA, PENNSYLVANIA. Surveillance of pneumococcal infection and evaluation of vaccines.
- NO1AI-32518-03 (**)** VOGEL, MARIETTA, LOS ANGELES, CALIFORNIA. Cultivation of molluscan cell line.
- NO1AI-32519-02 (**)** FOX, EUGENE N, CHICAGO, ILLINOIS. Immunization of humans with group A streptococcal M proteins.
- NO1AI-32521-01 (**)** GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Operation of virus, tissue culture and serology laboratories.
- NO1AI-32522-01 (**)** OGRA, P L, BUFFALO, NEW YORK. Hepatitis study center.
- NO1AI-32529-02 (**)** YOUNGNER, JULIUS S, PITTSBURGH, PENNSYLVANIA. Biological stimulators of interferon.
- NO1AI-32530-03 (**)** GROSSBERG, SIDNEY E, MILWAUKEE, WISCONSIN. Biological stimulators if interferon (bacteria, fungi).
- NO1AI-40044-04 0056 (**)** CANNON, H T. Survey of data on child abuse.
- NO1AI-42500-00 (**)** STREJAN, GILL H, LONDON, CANADA. Production of allergen (ASC-1) from *Ascaris Suum* (rats).
- NO1AI-42502-00 (**)** MACKANESS, GEORGE B, SARANAC LAKE, NEW YORK. Role of cell-mediated immunity in resistance to parasitic diseases.
- NO1AI-42503-00 (**)** WRIGHT, GEORGE L, JR, NORFOLK, VIRGINIA. Collaborative fractionation study.
- NO1AI-42504-00 (**)** BLANKESPOOR, HARVEY D, ANN ARBOR, MICHIGAN. Provide infectious schistosome material (mollusks, mice, hamsters, ducks).
- NO1AI-42505-00 (**)** DIXON, FRANK J, LA JOLLA, CALIFORNIA. Identify antibodies in diseased human kidney.
- NO1AI-42507-00 (**)** DE WITT, CHARLES W, SALT LAKE CITY, UTAH. Histocompatibility matching.
- NO1AI-42508-00 (**)** VAN ROOD, JON J, LEIDEN, THE NETHERLANDS. Obtain HL-A sera and improve histocompatibility technology (human).
- NO1AI-42509-01 (**)** SIMPSON, ROBERT W, NEW BRUNSWICK, NEW JERSEY. Evaluation of influenza temperature sensitive mutants.
- NO1AI-42510-01 (**)** WEBSTER, ROBERT G, MEMPHIS, TENNESSEE. Isolation and purification of polypeptide antigens of influenza virus.
- NO1AI-42511-00 (**)** OORA, PEARAY L, BUFFALO, NEW YORK. Clinical evaluation of inactivated influenza virus vaccines.
- NO1AI-42512-00 (**)** WENZEL, RICHARD P, CHARLOTTESVILLE, VIRGINIA. Testing of M pneumoniae vaccine (human).
- NO1AI-42514-00 (**)** GROSSBERG, SIDNEY E, MILWAUKEE, WISCONSIN. Preservation of mammalian interferons as standard reference reagents.
- NO1AI-42515-01 (**)** STEVENS, DAVID A, ROCKVILLE, MARYLAND. Processing and packaging research reagents.
- NO1AI-42517-00 (**)** SHOPE, ROBERT E, NEW HAVEN, CONNECTICUT. Testing and identification of arbovirus research reagents (laboratory animals).
- NO1AI-42518-00 (**)** AMMANN, ARTHUR J, SAN FRANCISCO, CALIFORNIA. Clinical evaluation of bacterial polysaccharide vaccine.
- NO1AI-42519-00 (**)** DEGRAW, J I, MENLO PARK, CALIFORNIA. Preparation of a special antileptotic compound.
- NO1AI-42520-00 (**)** GROSSBERG, SIDNEY E, MILWAUKEE, WISCONSIN. Stabilization studies on human interferon.
- NO1AI-42521-00 (**)** EDMAN, JOHN D, JACKSONVILLE, FLORIDA. Certification of antisera for arthropod blood meals.
- NO1AI-42522-00 (**)** GOOD, ROBERT C, VIENNA, VIRGINIA. Skin reactivity of mycobacterium fraction (guinea pigs).
- NO1AI-42523-00 (**)** JANIS, BURTON, SALT LAKE CITY, UTAH. New antiviral compounds and interferon in rabies prevention (human, animals).
- NO1AI-42524-00 (**)** GLASGOW, LOWELL A, SALT LAKE CITY, UTAH. Research antiviral substances and animal systems.
- NO1AI-42525-00 (**)** DANIEL, THOMAS M, CLEVELAND, OHIO, OHIO. Serologic testing of mycobacterial fractions.
- NO1AI-42526-00 (**)** WARAWA, E J, MILWAUKEE, WISCONSIN. Synthesis of 20 grams of 2-(3-methoxyphenyl)-N-acetyl-a-neuroaminic acid.
- NO1AI-42527-00 (**)** MERIGAN, THOMAS C, STANFORD, CALIFORNIA. Evaluate human interferon in disseminated varicella-zoster infections.
- NO1AI-42528-01 (**)** COUCH, ROBERT B, HOUSTON, TEXAS. Establishment of an influenza research center.
- NO1AI-42529-00 (**)** RICH, ROBERT R, HOUSTON, TEXAS. Suppression of cell mediated immune responses to T lymphocytes.
- NO1AI-42530-00 (**)** GREENBERG, STEPHEN B, HOUSTON, TEXAS. Transport of interferon across the mucous membrane (human, rabbits).
- NO1AI-42531-00 (**)** BEER, ALAN E, DALLAS, TEXAS. Mammalian pregnancy-immunoregulation of cell mediated hypersensitivity (rats).
- NO1AI-42533-00 (**)** MILLER, FREDERICK, NEW YORK, NEW YORK. Physiologic suppression of cell-mediated immune response.
- NO1AI-42536-00 (**)** FIELDSTEEL, HOWARD A, MENLO PARK, CALIFORNIA. In vitro cultivation of *trponema pallidum*.
- NO1AI-42537-00 (**)** JENKIN, HOWARD M, MINNEAPOLIS, MINNESOTA. In vitro cultivation of *Trponema pallidum*.
- NO1AI-42538-00 (**)** MILLER, JAMES N, LOS ANGELES, CALIFORNIA. In vitro cultivation of *Trponema pallidum*.
- NO1AI-42541-00 (**)** SCHIFFMAN, GERALD, ALBANY, NEW YORK. Operation of pneumococcal polysaccharide reference laboratory.
- NO1AI-42542-00 (**)** MOSTOW, STEVEN R, CLEVELAND, OHIO. Development of 'An in vitro assay of attenuation of live influenza viruses'.
- NO1AI-42543-00 (**)** PONS, MARCEL W, NEW YORK, NEW YORK. Detection of respiratory virus genome in human tissues.
- NO1AI-42544-00 (**)** ZOOK, BERNARD C, WASHINGTON, DISTRICT OF COLUMBIA. Provide and maintain animals for viral antiserum production.
- NO1AI-42546-00 (**)** GLEICH, G J, ROCHESTER, MINNESOTA. Establish allergen certification laboratory.
- NO1AI-42547-00 (**)** HEINER, DOUGLAS C, TORRANCE, CALIFORNIA. Production of anti-human IgE reference reagents.
- NO1AI-42548-00 (**)** GUERRANT, RICHARD L, CHARLOTTESVILLE, VIRGINIA. Incidence of diarrhea caused by enterotoxin producing *E coli* (human).
- NO1AI-42549-00 (**)** BANWELL, JOHN G, LEXINGTON, KENTUCKY. Incidence of diarrhea caused by enterotoxin producing *E coli* (human).
- NO1AI-42550-00 (**)** SMITH, DAVID H, BOSTON, MASSACHUSETTS. Hemophilus influenzae type b vaccine (human).
- NO1AI-42551-00 (**)** KOUNTZ, SAMUEL L, NEW YORK, NEW YORK. Evaluation of histocompatibility matching in renal transplantation (human).
- NO1AI-42552-00 (**)** CARPENTER, C B, BOSTON, MASSACHUSETTS. Evaluation of histocompatibility matching in renal transplantation.
- NO1AI-42553-00 (**)** HORNICK, RICHARD B, BALTIMORE, MARYLAND. Facility for study of infectious agents in adult volunteers.
- NO1AI-42554-00 (**)** ECKERT, EDWARD A, ANN ARBOR, MICHIGAN. Study rabies virus antigen (mice).
- NO1AI-42555-00 (**)** GOOD, ROBERT C, VIENNA, VIRGINIA. Evaluation of Youmans' ribosomal tuberculosis vaccine in guinea pigs.
- NO1AI-42556-00 (**)** GUTTMAN, HELENE N, CHICAGO, ILLINOIS. Cultivation of mycobacterium lepraemurium.
- NO1AI-42557-00 (**)** FERRONE, SOLDANG, LA JOLLA, CALIFORNIA. Production of HL-A xenoserum.
- NO1AI-42558-00 (**)** SLOAN, FRANK A, GAINESVILLE, FLORIDA. Infections and allergic disease impact on health and quality of life.
- NO1AI-50992-08 (**)** VAN ROOD, JON J, LEIDEN, NETHERLANDS. Obtain HL-A sera and improve histocompatibility technology (human).
- NO1AI-70059-13 (**)** HANDLEY, CHARLES O, WASHINGTON, DISTRICT OF COLUMBIA. Mammal Identification service.
- NO1AI-71188-09 (**)** PHILLIPS, CHARLES A, BURLINGTON, VERMONT. Testing and certifying rhinovirus reference reagents (goats).
- NO1AI-80621-11 (**)** DIXON, FRANK J, LA JOLLA, CALIFORNIA. Identify antibodies in diseased human kidney.
- NO1AI-80640-10 (**)** KUBICA, GEORGE P, SARANAC LAKE, NEW YORK. Operation of mycobacterial collection.
- NO1AI-80654-12 (**)** HIRSCHY, ROGER E, MC LEAN, VIRGINIA. Communication services for interferon investigators.
- NO1AI-80679-09 (**)** LENNETTE, EDWIN H, SACRAMENTO, CALIFORNIA. Production of arbovirus reference reagents.
- NO1AI-81266-12 (**)** GALIN, MILES A, NEW YORK, NEW YORK. Interferon inducers in herpetic infections of eyes.
- NO1AI-81298-10 (**)** BRAUN, WILLIAM E, CLEVELAND, OHIO. Human tissue typing center.
- NO1AI-81406-10 (**)** GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Maintenance and breeding of research animals (rabbits).
- NO1AI-90089-07 (**)** LENNETTE, EDWIN H, BERKELEY, CALIFORNIA. Certification of viral reagents.
- NO1AI-90092-09 (**)** MC CALL, JOHN W, ATHENS, GEORGIA. Filariasis chemotherapy and repository-research services.
- NO1AM-22200-04 (**)** DYCK, PETER J, ROCHESTER, MINNESOTA. Uremic polyneuropathy investigations (human).
- NO1AM-22201-04 (**)** ARIEFF, ALLEN I, LOS ANGELES, CALIFORNIA. Pathophysiology of dialysis disequilibrium syndrome (dogs).
- NO1AM-22206-04 (**)** JONES, JAMES D, ROCHESTER, MINNESOTA. Metabolism of creatinine and guanidine compounds (human).
- NO1AM-22207-04 (**)** BLACKSHEAR, PERRY L, JR, MINNEAPOLIS, MINNESOTA. Study fluid dynamics of blood cells (human).
- NO1AM-22208-05 (**)** DAVIS, THOMAS A, BIRMINGHAM, ALABAMA. Activated carbon fibers for artificial kidneys.
- NO1AM-22209-03 (**)** SIMENHOFF, MICHAEL L, PHILADELPHIA, PENNSYLVANIA. Study amine metabolism in uremia (human).
- NO1AM-22211-03 (**)** GINN, H EARL, NASHVILLE, TENNESSEE. Neurobehavioral and clinical responses to hemodialysis.
- NO1AM-22215-03 (**)** BERGSTROM, JONAS, STOCKHOLM, SWEDEN. Uremic toxicology.
- NO1AM-22216-02 (**)** GUILBAULT, GEORGE G, NEW ORLEANS, LOUISIANA. Reagentless solid-surface fluorescence monitoring system.
- NO1AM-22219-02 (**)** CUTLER, RALPH E, SEATTLE, WASHINGTON. Pharmacokinetic studies in chronic renal disease and hemodialysis (human).
- NO1AM-22221-03 (**)** KLEIN, ELIAS, BATON ROUGE, LOUISIANA. Membranes and materials evaluation.
- NO1AM-22222-02 (**)** NOSE, YUKIHIKO, CLEVELAND, OHIO. New concepts in blood access devices (sheep).
- NO1AM-22225-02 (**)** SHAPIRO, FRED, MINNEAPOLIS, MINNESOTA. Computerized data bank to assess adequacy of dialysis.
- NO1AM-22200-03 (**)** MODEL, FRANK S, SUMMIT, NEW JERSEY. Prepare and evaluate optimized hemodialysis membranes.
- NO1AM-32201-02 (**)** FRIEDMAN, ELI A, ALBANY, NEW YORK. Efficiency of oxidized starch as intestinal absorbent in uremia (human).
- NO1AM-32203-02 (**)** WEISSMANN, BERNARD, CHICAGO, ILLINOIS. Phenyl a-L-iduromide and related compounds.
- NO1AM-32204-02 (**)** MENCZEL, JACOB, JERUSALEM, ISRAEL. Osteoporosis-Certain nutritional factors and therapeutic management trial.
- NO1AM-32205-01 (**)** POPOVICH, ROBERT P, AUSTIN, TEXAS. Physiological transport parameters in patients in peritoneal and hemodialysis.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1AM-32207-02 (**)** GROSSMAN, MORTON I, LOS ANGELES, CALIFORNIA. Evaluation of research in digestive diseases.
- NO1AM-32208-02 (**)** BURNELL, JAMES M, SEATTLE, WASHINGTON. Study of acid-base chemistry and human bone (also rats).
- NO1AM-32210-02 (**)** KOPPLE, JOEL D, LOS ANGELES, CALIFORNIA. Nitrogen metabolism in uremia (human).
- NO1AM-32212-02 (**)** BAGDADE, JOHN D, SEATTLE, WASHINGTON. Hyperlipidemia and atherogenesis (rats).
- NO1AM-32216-02 (**)** SCHOENFIELD, LESLIE J, LOS ANGELES, CALIFORNIA. Cooperative clinical trial on dissolution of gallstones.
- NO1AM-32218-01 (**)** BETTS, ROBERT F, ROCHESTER, NEW YORK. Cytomegalovirus and herpes simplex virus infection of hemodialysis patients.
- NO1AM-32222-01 (**)** RABINER, S FREDERICK, PORTLAND, OREGON. Platelet function as an indicator of adequate dialysis (human).
- NO1AM-32225-01 (**)** MAXWELL, MORTON H, LOS ANGELES, CALIFORNIA. Peritoneal dialysis system.
- NO1AM-42200-00 (**)** KOLFF, WILLEN J, SALT LAKE CITY, UTAH. Wearable/portable artificial kidney.
- NO1AM-42201-00 (**)** SCHMER, GOTTFRIED, SEATTLE, WASHINGTON. Anticoagulant-bound hemodialysis (sheep).
- NO1AM-42202-00 (**)** GOTCH, FRANK A, SAN FRANCISCO, CALIFORNIA. Evaluation of hollow fiber dialyzers (human).
- NO1AM-42203-00 (**)** TOKUYAMA, TAKASHI, OSAKA, JAPAN. Isolation and elucidation of structure of alkaloids from neotropical frogs.
- NO1AM-42204-00 (**)** KLEINSTEIN, BRUCE, PHILADELPHIA, PENNSYLVANIA. Gastroenterology abstracts and citations.
- NO1AM-42204-00 (**)** FRIEDMAN, ELI A, ALBANY, NEW YORK. Determine clinical efficacy of oxidized starch in uremia.
- NO1AM-42207-00 (**)** MASSRY, SHAUL G, LOS ANGELES, CALIFORNIA. Osteodystrophy and divalent ion in kidney failure (human).
- NO1AM-42208-00 (**)** SIBINOVIC, KYLE H, BETHESDA, MARYLAND. Isolation of substance produced by bacteria with antithyroid activity.
- NO1AM-42209-00 (**)** JOHNSON, PAUL E, WASHINGTON, DISTRICT OF COLUMBIA. Evaluation of human nutrient requirements.
- NO1AM-42210-00 (**)** KOLFF, WILLEN J, SALT LAKE CITY, UTAH. Clinical evaluation of single needle dialysis.
- NO1AM-42212-00 (**)** LOWENSTEIN, LEAH M, BOSTON, MASSACHUSETTS. Lipid abnormalities and atherogenesis in chronic renal failure (rats).
- NO1AM-42213-00 (**)** SWENSON, R S, STANFORD, CALIFORNIA. Hyperglycemia, hyperlipidemia, insulin resistance in renal failure (human, dogs).
- NO1AM-42214-00 (**)** GRUPE, WARREN E, BOSTON, MASSACHUSETTS. Trace element abnormalities in children with chronic renal failure.
- NO1AM-42215-00 (**)** GARBER, ALAN J, HOUSTON, TEXAS. Abnormalities of carbohydrate metabolism in chronic uremia (human, rats).
- NO1AM-42216-00 (**)** MORGAN, ALFRED P, CAMBRIDGE, MASSACHUSETTS. Multivariate analysis of dialysis efficacy, relation to access methods (human).
- NO1AM-42217-00 (**)** ALFREY, A C, BOULDER, COLORADO. Trace element abnormalities in chronic uremia.
- NO1AM-42218-00 (**)** MARGOLIS, SIMON, BALTIMORE, MARYLAND. Serum lipid and lipoprotein abnormalities in chronic renal failure.
- NO1AM-42219-00 (**)** AUTIAN, JOHN, MEMPHIS, TENNESSEE. Detect toxicity of extracted constituents from dialyzers (mammals).
- NO1AM-42220-00 (**)** FELTS, JAMES M, SAN FRANCISCO, CALIFORNIA. Investigate hyperlipidemia in chronic renal failure (human).
- NO1AM-42221-00 (**)** FELJO, PHILIP, NEW HAVEN, CONNECTICUT. Glucagon and amino acids in carbohydrate metabolism (human).
- NO1AM-42222-00 (**)** GONICK, HARVEY C, LOS ANGELES, CALIFORNIA. Trace element abnormalities in chronic uremia (human).
- NO1AM-42223-00 (**)** BELL, NORMAN H, INDIANAPOLIS, INDIANA. Carbohydrate and fat metabolism in uremia (rats, dogs, ha).
- NO1AM-42224-00 (**)** PALMER, RICHARD A, DURHAM, NORTH CAROLINA. Iron chelating agents in the treatment of Cooley's anemia.
- NO1AM-42225-00 (**)** PITT, C G, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Iron chelating agents in the treatment of Cooley's anemia.
- NO1AM-42226-00 (**)** BYERS, B R, JACKSON, MISSISSIPPI. Iron chelating agents in treatment of Cooley's anemia (microorganisms, synthesis).
- NO1AM-42227-00 (**)** GRALLA, EDWARD J, NEW HAVEN, CONNECTICUT. Evaluation of chelating agents in treatment of Cooley's anemia (dogs).
- NO1AM-42228-00 (**)** GOTTSCHALK, CARL W, CHAPEL HILL, NORTH CAROLINA. Research needs in nephrology and urology.
- NO1AM-50032-12 (**)** KLYNE, WILLIAM, LONDON, W I, ENGLAND. Steroid collection for medical research.
- NO1AM-60963-20 (**)** SCRIBNER, BELDING H, SEATTLE, WASHINGTON. Research on artificial kidney (human, sheep).
- NO1AM-61132-17 (**)** PETERS, JOHN H, MENLO PARK, CALIFORNIA. Biochemical evaluations of artificial kidneys.
- NO1AM-70109-13 (**)** HENDERSON, LEE W, PHILADELPHIA, PENNSYLVANIA. Purification of uremic blood.
- NO1AM-70663-13 (**)** LAZAROW, ARNOLD, MINNEAPOLIS, MINNESOTA. Preparation of a diabetes-related literature index.
- NO1AM-70726-10 (**)** JULIANO, BIENVENIDO O, LOS BANOS, PHILIPPINES. Screening of rice varieties.
- NO1AM-71153-10 (**)** RAITI, SALVATORE, BALTIMORE, MARYLAND. Pituitary gland storage bank (human).
- NO1AM-71160-15 (**)** ROZELLE, LEE T, MINNEAPOLIS, MINNESOTA. Membrane structure concept for application in hemodialysis.
- NO1AM-71387-14 (**)** BRYAN, FRED A, RESEARCH TRIANGLE PARK, NORTH CAROLINA. National Dialysis Registry.
- NO1AM-80707-12 (**)** BIANCHI, ROMANO, PISA, ITALY. Low protein diet on albumin metabolism in chronic uremia (human).
- NO1AM-80709-09 (**)** KLEIN, ELIAS, BATON ROUGE, LOUISIANA. Synthetic polypeptides as hemodialysis membranes (human, animals).
- NO1AM-80976-18 (**)** TENCCKHOFF, HEINRICH A, SEATTLE, WASHINGTON. Development of a peritoneal dialysis fluid supply.
- NO1AM-80977-15 (**)** MASON, REGINALD G, JR, CHAPEL HILL, NORTH CAROLINA. Anti-thrombogenic surfaces study (monkeys).
- NO1AM-90056-17 (**)** PARLOW, ALBERT, TORRANCE, CALIFORNIA. Collection of rat pituitaries and assaying hormones.
- NO1AM-90066-06 (**)** GIORDANO, CARMELO, POLICLINICO, ITALY. Study on amino acids and uremia (human).
- NO1AM-90070-05 (**)** GIORDANO, CARMELO, NAPLES, ITALY. Study on or-y starch and uremia.
- NO1CB-02103-10 (**)** DARROW, CLEMENT C, BETHESDA, MARYLAND. Bone marrow transplantation studies in Rhesus monkeys.
- NO1CB-02207-09 (**)** MATTHEWS, EDWIN, BETHESDA, MARYLAND. In vitro tests for tumor specific antigens (human, animals).
- NO1CB-02208-04 (**)** WEISS, DAVID W, JERUSALEM, ISRAEL. Pre-clinical studies on tumor protective activity of MER (mice, guinea pigs).
- NO1CB-02320-07 (**)** MC COY, JAMES L, BETHESDA, MARYLAND. Immunological studies of murine RNA oncogenic viruses (rats).
- NO1CB-12078-04 (**)** MAYYASI, S A, MAYWOOD, NEW JERSEY. Production of human lymphoid cells in culture.
- NO1CB-12087-05 (**)** LANE, FRANK W, HANOVER, NEW HAMPSHIRE. Conduct radiation therapy treatment.
- NO1CB-22000-07 (**)** FONTANA, R S, ROCHESTER, MINNESOTA. Detection and localization of bronchogenic carcinoma.
- NO1CB-23227-03 (**)** MC COY, JAMES L, BETHESDA, MARYLAND. Measurement of immunological reactivity to human cancer.
- NO1CB-23230-02 (**)** TALLEY, ROBERT W, DETROIT, MICHIGAN. Provide patient input for primary breast cancer study.
- NO1CB-23231-02 (**)** CARTER, ANNE C, ALBANY, NEW YORK. Provide patient input for primary breast cancer study.
- NO1CB-23232-02 (**)** HAINES, CARLETON R, BURLINGTON, VERMONT. Patient input for primary breast cancer study.
- NO1CB-23853-07 (**)** HERRING, DAVID F, LA JOLLA, CALIFORNIA. Study regional impact for cancer research centers.
- NO1CB-23854-02 (**)** GO, VAYLIANG W, ROCHESTER, MINNESOTA. Usefulness of carcinoembryonic antigen in diagnosis of bowel carcinoma.
- NO1CB-23856-02 (**)** LARSON, BRUCE L, URBANA, ILLINOIS. Cellular control in mammary involution and dedifferentiation (rats, cattle, mice).
- NO1CB-23857-02 (**)** MC CARTY, KENNETH S, DURHAM, NORTH CAROLINA. Protein nucleic acid interactions (mice).
- NO1CB-23858-02 (**)** LEIGHTON, JOSEPH, PHILADELPHIA, PENNSYLVANIA. Diagnostic characterization of mammary tumors (human).
- NO1CB-23859-02 (**)** PEARSON, OLOF H, CLEVELAND, OHIO. The role of prolactin in breast cancer (human, rats).
- NO1CB-23860-02 (**)** SHERWIN, RUSSEL P, LOS ANGELES, CALIFORNIA. Documentation of human breast cancer in tissue culture.
- NO1CB-23861-02 (**)** ELIAS, JOEL, SAN FRANCISCO, CALIFORNIA. Hormonal requirements of normal and abnormal human mammary tissue.
- NO1CB-23862-03 (**)** MC GUIRE, WILLIAM, SAN ANTONIO, TEXAS. Biochemical mechanism of endocrine induced cancer regression (human, rats).
- NO1CB-23863-02 (**)** HYMER, WESLEY C, UNIVERSITY PARK, PENNSYLVANIA. Isolation of prolactin cells from the human and rat adenohypophysis.
- NO1CB-23864-02 (**)** KIM, UNTAE, BUFFALO, NEW YORK. The prevention of metastasis in mammary cancer (rats).
- NO1CB-23865-02 (**)** DAO, THOMAS L, BUFFALO, NEW YORK. Basic biological events in the pathogenesis of mammary cancer (rats).
- NO1CB-23866-03 (**)** MC UMANS, WILLIAM F, NEW YORK, NEW YORK. The in vitro cell and mammary cancer (human, rats).
- NO1CB-23867-03 (**)** O'BRIEN, PAUL, CHARLESTON, SOUTH CAROLINA. Collection of specimens from patients with breast cancer.
- NO1CB-23860-02 (**)** LASFARGUES, ETIENNE Y, CAMDEN, NEW JERSEY. Tissue culture lines from patients with breast cancer.
- NO1CB-23869-01 (**)** REEVES, WILLIAM J, HOUSTON, TEXAS. Establish tissue culture lines from human breast cancer.
- NO1CB-23871-04 (**)** MARCUS, DONALD M, BRONX, NEW YORK. Purification of an antigen from human mammary carcinoma.
- NO1CB-23872-05 (**)** BAUM, GILBERT, BRONX, NEW YORK. Ultrasound mammography.
- NO1CB-23873-02 (**)** DE SOMBRE, EUGENE R, CHICAGO, ILLINOIS. Breast cancer (rats).
- NO1CB-23874-03 (**)** FAIRBANKS, GRANT, SHREWSBURY, MASSACHUSETTS. Hormone-mediated differentiation of mouse mammary epithelium.
- NO1CB-23875-02 (**)** STOCKDALE, FRANK E, STANFORD, CALIFORNIA. Control DNA synthesis in the mammary gland.
- NO1CB-23876-02 (**)** FISHER, BERNARD, PITTSBURG, PENNSYLVANIA. Primary breast cancer therapy group (NSABP).
- NO1CB-23877-04 (**)** TODD, CHARLES W, DUARTE, CALIFORNIA. Purified carcinoembryonic antigen and antisera.
- NO1CB-23878-03 (**)** LAVRIN, DAVID H, BETHESDA, MARYLAND. Immune responses of mice and rats to tumor associated antigens (also hamsters).
- NO1CB-23879-02 (**)** SCHUTT, ALLAN J, ROCHESTER, MINNESOTA. Establishment and maintenance of blood serum bank (human).
- NO1CB-23886-02 (**)** COHN, MELVIN, SAN DIEGO, CALIFORNIA. Facility for supplying immune related cell lines (mice).
- NO1CB-23888-06 (**)** HERZENBERG, LEONARD A, STANFORD, CALIFORNIA. Modify NCI electronic cell sorter.
- NO1CB-23890-03 (**)** SELA, MICHAEL, REHOVOT, ISRAEL. Syngenic cell, immunologic technique, inducing factors for leukemia cell (mice).

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1CB-23891-06** (**) MC KENNA, THOMAS W, ROCKVILLE, MARYLAND. Follow-up survey of research training programs.
- NO1CB-31144-27** (**) BOODEN, ARTHUR E, WORCESTER, MASSACHUSETTS. Immunological characterization studies of rat strains and their neoplasms.
- NO1CB-33208-03** (**) WYNDEER, ERNEST L, NEW YORK, NEW YORK. Cancer epidemiology, environmental, nutritional and endocrine carcinogenesis.
- NO1CB-33855-04** (**) LIPPMANN, MORTON, NEW YORK, NEW YORK. Study of intrabronchial deposition on inhaled radioopaque particles.
- NO1CB-33856-02** (**) GIOVANELLA, BEPPINO C, HOUSTON, TEXAS. Study breast cancer transplantability in nude athymic mice (human).
- NO1CB-33859-01** (**) WIGZELL, HANS, STOCKHOLM, SWEDEN. Purified cells and antibodies in cell mediated lysis (chick, human, mice).
- NO1CB-33862-02** (**) WHEBLESS, LEON L, ROCHESTER, NEW YORK. Sit-scan technique for cancer detection in cytology.
- NO1CB-33864-02** (**) MALIN, MORTON V, PHILADELPHIA, PENNSYLVANIA. Computer accessed bibliographic and citation data.
- NO1CB-33866-01** (**) ANDERSSON, BIRGER, STOCKHOLM 60, SWEDEN. T-lymphocytes in tumor associated immunity (mice).
- NO1CB-33868-01** (**) BLOMGREN, HENRIC, STOCKHOLM 60, SWEDEN. Cell synergy in cell bound immune reactions (mice).
- NO1CB-33869-01** (**) GOLDENBERG, DAVID M, LEXINGTON, KENTUCKY. Experimental systems for carcinoembryonic antigen (hamsters).
- NO1CB-33870-01** (**) KLIN, EVA, STOCKHOLM 60, SWEDEN. Effector mechanisms in tumor associated immune reactions (mice, human).
- NO1CB-33871-01** (**) OVERTON, TERRY S, WAYNE, PENNSYLVANIA. Evaluation of National Cancer Institute services.
- NO1CB-33873-02** (**) WIED, GEORGE L, CHICAGO, ILLINOIS. Information requirements for image processing of cell samples.
- NO1CB-33874-01** (**) PAWSON, DAVID L, WASHINGTON, DISTRICT OF COLUMBIA. Registry of tumors in lower animals.
- NO1CB-33875-03** (**) WOODS, BOY, SPRINGFIELD, VIRGINIA. Immunodiagnosis of human malignancy.
- NO1CB-33880-01** (**) HMF, RUSSELL, ROCHESTER, NEW YORK. Isoenzymes in normal, preneoplastic and neoplastic breast tissues.
- NO1CB-33881-01** (**) VANDER LANN, W P, LA JOLLA, CALIFORNIA. Prolactin radioimmunoassays for breast cancer (human).
- NO1CB-33882-01** (**) PETRAKIS, NICHOLAS L, SAN FRANCISCO, CALIFORNIA. Application of breast pump to obtain breast secretions (human).
- NO1CB-33883-01** (**) KRATOCHWILL, KLAUS, SALZBURG, AUSTRIA. Embryonic mammary gland and androgenic hormones (mice).
- NO1CB-33885-01** (**) DE WAARD, FRITS, AMSTERDAM, THE NETHERLANDS. Overweight in breast cancer epidemiology (human).
- NO1CB-33886-01** (**) SKY-PECK, HOWARD H, CHICAGO, ILLINOIS. Cell kinetics of breast cancer (human).
- NO1CB-33887-01** (**) TEGERIS, ANDREW S, LAUREL, MARYLAND. Maintain an animal holding facility and provide research services.
- NO1CB-33894-02** (**) CHURCHILL, W HALLOWELL, BOSTON, MASSACHUSETTS. Tumor immunity and immunotherapy of rat mammary tumor.
- NO1CB-33898-02** (**) GAFFNEY, E V, UNIVERSITY PARK, PENNSYLVANIA. Cultivation of normal and malignant human mammary cells.
- NO1CB-33899-01** (**) AHMANN, DAVID L, ROCHESTER, MINNESOTA. Chemotherapy utilizing 5-FU, cytosan and prednisone (human).
- NO1CB-33901-01** (**) LYNCH, HENRY T, OMAHA, NEBRASKA. Breast cancer family resources.
- NO1CB-33902-02** (**) LONGCOPE, CHRISTOPHER, SHREWSBURY, MASSACHUSETTS. Breast cancer and estril dynamics.
- NO1CB-33903-01** (**) POST, JOSEPH, NEW YORK, NEW YORK. Cell kinetics of breast cancer (human).
- NO1CB-33905-01** (**) LUCAS, ZOLTAN J, STANFORD, CALIFORNIA. Effect or molecule binding to mammary cell surfaces.
- NO1CB-33906-01** (**) ABRAHAM, SAMUEL, OAKLAND, CALIFORNIA. Cell types in cultures of normal and neoplastic breast tissues (human, animals).
- NO1CB-33907-01** (**) OHNO, SUSUMU, DUARTE, CALIFORNIA. Mammary gland in pseudohermaphroditic rats and mice.
- NO1CB-33908-01** (**) FAIRBANKS, GRANT, SHREWSBURY, MASSACHUSETTS. Mammary epithelial cell membrane (mice, rats).
- NO1CB-33909-01** (**) SCOTT, DAVID F, AUGUSTA, GEORGIA. Roles of 3',5'-cyclic AMP and enzyme systems in mammary gland neoplasia (mice).
- NO1CB-33910-02** (**) EBNER, KURT E, STILLWATER, OKLAHOMA. Biochemical means by which effector molecules bind to mammary cell (human).
- NO1CB-33912-01** (**) DOUGLAS, STEVEN D, NEW YORK, NEW YORK. Biochemical means by which effector molecules bind to mammary cell (human).
- NO1CB-33915-01** (**) NAJARIAN, JOHN S, MINNEAPOLIS, MINNESOTA. Collection of sera from populations with high cancer risk (human).
- NO1CB-33918-01** (**) ROBINSON, DWIGHT R, BOSTON, MASSACHUSETTS. Role of prostaglandins in mammary gland neoplasia (human).
- NO1CB-33919-02** (**) MAUDSLEY, DAVID V, SHREWSBURY, MASSACHUSETTS. Role of prostaglandins in mammary gland neoplasia (mice).
- NO1CB-33920-02** (**) BURSTEIN, SUMNER H, SHREWSBURY, MASSACHUSETTS. Determine role of prostaglandins in normal and abnormal mammary glands (mice).
- NO1CB-33921-01** (**) KODLIN, DONKWARD, OAKLAND, CALIFORNIA. Chronic mastopathy and breast cancer.
- NO1CB-43852-00** (**) MORTON, DONALD L, LOS ANGELES, CALIFORNIA. Human melanoma-evaluation of BCG immunotherapy.
- NO1CB-43853-00** (**) YUNIS, EDMOND J, MINNEAPOLIS, MINNESOTA. Assays for immune depression in cancer patients.
- NO1CB-43854-00** (**) FOGH, JORGEN E, NEW YORK, NEW YORK. Isolation and tissue culture of human tumor cells.
- NO1CB-43856-00** (**) WYBRAN, JOSEPH, SAN FRANCISCO, CALIFORNIA. Rosette forming cells and human diseases (sheep).
- NO1CB-43857-00** (**) WALDMAN, ROBERT H, GAINESVILLE, FLORIDA. Human lung cancer-Evaluation of BCG therapy.
- NO1CB-43858-00** (**) WITZ, ISAAC P, TEL-AVIV, ISRAEL. Nature of interactions between tumor cells and immunoglobins.
- NO1CB-43859-00** (**) MARCHESI, VINCENT T, NEW HAVEN, CONNECTICUT. Biochemistry and diagnostic use of human tumor antigens.
- NO1CB-43860-00** (**) WEIMBER, HENRY E, LOS ANGELES, CALIFORNIA. Development of immunodiagnostic tests for cancer.
- NO1CB-43861-00** (**) ROSENBERG, EUGENE B, CORAL GABLES, FLORIDA. Procurement of tumor and serum from cancer patients.
- NO1CB-43862-00** (**) PETZ, LAWRENCE D, SAN FRANCISCO, CALIFORNIA. Procurement of blood specimens from cancer patients and controls.
- NO1CB-43864-00** (**) KOLLMORGEN, GERRALD M, OKLAHOMA CITY, OKLAHOMA. Immunotherapy-Animal models to evaluate therapy with neuraminidase.
- NO1CB-43865-00** (**) GERSHON, RICHARD K, NEW HAVEN, CONNECTICUT. Immunotherapy-Animal models for neuraminidase therapy evaluation.
- NO1CB-43866-00** (**) COLE, R D, BERKELEY, CALIFORNIA. Mammary gland responsiveness to multiple hormones.
- NO1CB-43867-00** (**) WELSCH, FEDERICO, SHREWSBURY, MASSACHUSETTS. Estrogen binding and estrophile proteins in human breast cancer.
- NO1CB-43868-00** (**) SUNCHER, CHARLES R, CINCINNATI, OHIO. Statistical surveillance of lung cancer projects.
- NO1CB-43869-00** (**) HABERMAN, JOANN D, OKLAHOMA CITY, OKLAHOMA. Mass screening for breast cancer (human).
- NO1CB-43870-00** (**) ROSENFIELD, RICHARD E, NEW YORK, NEW YORK. Detection of blood in feces (human).
- NO1CB-43871-00** (**) PAGE, DAVID L, NASHVILLE, TENNESSEE. Fibrocystic disease of the female breast and mammary carcinoma.
- NO1CB-43872-00** (**) LITTLE, J RUSSELL, ST LOUIS, MISSOURI. Immunological stimulant properties of amphotericin B.
- NO1CB-43873-00** (**) KRAHENBUHL, JAMES L, PALO ALTO, CALIFORNIA. Role of macrophages in the immune response.
- NO1CB-43874-00** (**) FELDMAN, JOSEPH D, LA JOLLA, CALIFORNIA. Circulating tumor antigens in immunotherapy (rats).
- NO1CB-43875-00** (**) DREYER, WILLIAM J, PASADENA, CALIFORNIA. Immunolax particles for T and B cells.
- NO1CB-43876-00** (**) PARKMAN, ROBERTSON, BOSTON, MASSACHUSETTS. Hybrid tumor cells-An immunotherapeutic agent.
- NO1CB-43877-00** (**) KAPLAN, ALAN M, RICHMOND, VIRGINIA. Immunotherapy-Mechanism of action of immunopotentiators (mice).
- NO1CB-43878-00** (**) LO BUGLIO, ALBERT F, COLUMBUS, OHIO. Transfer factor therapy of sarcoma (human).
- NO1CB-43879-00** (**) HOLLAND, JAMES F, NEW YORK, NEW YORK. Chemoinmunotherapy of acute myelocytic leukemia (human).
- NO1CB-43881-00** (**) PRIOU, GEORGE J, LOS ANGELES, CALIFORNIA. Antibodies to human tumor cells.
- NO1CB-43882-00** (**) MANSON, LONEL A, PHILADELPHIA, PENNSYLVANIA. Antibodies to carcinoma in experimental animals.
- NO1CB-43883-00** (**) WIGZELL, HANS, UPPSALA, SWEDEN. Human peripheral blood mononuclear cell.
- NO1CB-43885-00** (**) WEBNER, ROY S, BOSTON, MASSACHUSETTS. Improvement of assays for cell-mediated immunity.
- NO1CB-43887-00** (**) HERSH, THEODORE, ATLANTA, GEORGIA. Evaluation of assay for circulating tumor associated antigens (human).
- NO1CB-43888-00** (**) VOGEL, CHARLES L, ATLANTA, GEORGIA. Evaluation of assays of circulating tumor associated antigens.
- NO1CB-43889-00** (**) ALPERT, MORTON E, BOSTON, MASSACHUSETTS. New human tumor-associated antigens of the GI tract.
- NO1CB-43890-00** (**) VELTRI, ROBERT W, MORGANTOWN, WEST VIRGINIA. Search for new human tumor associated antigens in carcinoma of the lung.
- NO1CB-43891-00** (**) OSBORNE, JAMES W, IOWA CITY, IOWA. Animal models for circulating tumor associated antigens (Holtzman rats).
- NO1CB-43893-00** (**) HARRINGTON, JOHN T, SAN ANTONIO, TEXAS. Migration inhibition assays (mice, human).
- NO1CB-43895-00** (**) OO, V L, ROCHESTER, MINNESOTA. Early diagnosis of pancreatic cancer.
- NO1CB-43896-00** (**) FISCHER, HARRY W, ROCHESTER, NEW YORK. Development of method of bowel preparation to barium enema or colonoscopy (human).
- NO1CB-43897-00** (**) HORNING, EVAN C, HOUSTON, TEXAS. Steroid sulfate as diagnostic parameters in breast cancer.
- NO1CB-43898-00** (**) WELSCH, FEDERICO, SHREWSBURY, MASSACHUSETTS. Steroid sulfate as diagnostic parameters in breast cancer.
- NO1CB-43899-00** (**) SCHIFFER, LEWIS M, PITTSBURGH, PENNSYLVANIA. New techniques for the study of cell kinetics of breast cancer.
- NO1CB-43900-00** (**) DAO, THOMAS L, BUFFALO, NEW YORK. Steroid sulfation and estrogen binding in human breast cancer.
- NO1CB-43902-00** (**) LEDERBERG, JOSHUA, STANFORD, CALIFORNIA. Biochemical markers or enzyme changes that presage the presence of cancer (human).
- NO1CB-43903-00** (**) ODELL, WILLIAM D, TORRANCE, CALIFORNIA. Hormone markers for the detection and diagnosis of cancer (human).
- NO1CB-43904-00** (**) BENDICK, AARON, NEW YORK, NEW YORK. Effects of nucleic acid preparations on mammary carcinomas (mammals nonhuman).
- NO1CB-43905-00** (**) DANDLIKER, W B, LA JOLLA, CALIFORNIA. Mammary gland responsiveness to multiple hormones (rats).
- NO1CB-43900-00** (**) ABELL, CREED W, GALVESTON, TEXAS. Growth alteration of mammary neoplastic cells (human, animals).
- NO1CB-43907-00** (**) KOHLER, PETER O, HOUSTON, TEXAS. Stroma in growth of neoplastic lesions of mammary gland (mice).
- NO1CB-43908-00** (**) WELLINGS, SEPTON R, DAVIS, CALIFORNIA. Preneoplastic lesions of the human mammary gland.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1CB-43910-00** (**) HILAL, SADEK K, NEW YORK, NEW YORK. Computerized transaxial tomography in diagnosing brain tumors (human).
- NO1CB-43911-00** (**) HOLLIS, DONALD, BALTIMORE, MARYLAND. Nuclear magnetic resonance in neoplastic and non-neoplastic tissues.
- NO1CB-43912-00** (**) LITTLE, RALPH D, NEW ORLEANS, LOUISIANA. Development of hematoxylin substitutes for diagnostic tissue staining.
- NO1CB-43913-00** (**) CREAGER, WILLIAM A, ROCKVILLE, MARYLAND. Support for division of cancer research resources and centers, NCI.
- NO1CB-43914-00** (**) BOGDEN, ARTHUR E, WORCESTER, MASSACHUSETTS. Predictable transplantable mammary tumor model (animals).
- NO1CB-43915-00** (**) TRAPANI, ROBERT J, BETHESDA, MARYLAND. NCI human histocompatibility typing center.
- NO1CB-43916-00** (**) VOGEL, CHARLES L, ATLANTA, GEORGIA. Hormone therapy plus chemotherapy in patients with breast cancer.
- NO1CB-43917-00** (**) SPARKS, FRANK C, LOS ANGELES, CALIFORNIA. Therapy of carcinoma of the breast (human).
- NO1CB-43918-00** (**) SKAGGS, LESTER S, CHICAGO, ILLINOIS. Proton beam in tissue densitometry (human).
- NO1CB-43919-00** (**) BIBBO, MARLUCE, CHICAGO, ILLINOIS. Diagnostic value of gynecologic cytopathology samples.
- NO1CB-43920-00** (**) HAKOMORI, SEN-ITIROM, SEATTLE, WASHINGTON. Biochemistry of normal and tumor cell surface antigens.
- NO1CB-43921-00** (**) KLEIN, EVA, STOCKHOLM, SWEDEN. Human tumor associated antigens and corresponding antibodies.
- NO1CB-43922-00** (**) EDIDIN, MICHAEL, BALTIMORE, MARYLAND. Organization and dynamics of cell surface membrane components.
- NO1CB-43923-00** (**) MAKELA, V E, HELSINKI, FINLAND. Specificity of antigen-binding receptors on T cells (mammals nonhuman).
- NO1CB-43924-00** (**) ROHOLT, OLIVER A, ALBANY, NEW YORK. Detection of antigen-binding activity of transplantable T-cell tumors.
- NO1CB-43925-00** (**) MCKENZIE, IAN F, VICTORIA, AUSTRALIA. Serologic and immunogenetic investigations.
- NO1CB-43926-00** (**) WAKSMAN, SYRON H, NEW HAVEN, CONNECTICUT. Chemical characterization of purified thymic products (mice).
- NO1CB-43927-00** (**) BASCH, ROSS S, NEW YORK, NEW YORK. Mechanisms of lymphoid cell differentiation.
- NO1CB-43928-00** (**) CATSIMPOOLAS, NICHOLAS, CAMBRIDGE, MASSACHUSETTS. Lymphocytes and macrophages.
- NO1CB-43929-00** (**) EDWARDS, D C, BECKENHAM, ENGLAND. Selective stimulation or suppression of immunologic responses.
- NO1CB-43930-00** (**) MECHAMA, MARAN-GHERA, REHOVOT, ISRAEL. Mechanisms by which tumors avoid immune destruction (mice C57 B/6).
- NO1CB-43931-00** (**) KREIDER, JOHN W, UNIVERSITY PARK, PENNSYLVANIA. Nature and function of immune-related cells in tumor masses (mice).
- NO1CB-43932-00** (**) HENNEY, CHRISTOPHER S, BALTIMORE, MARYLAND. Mechanisms for cell-mediated destruction of tumor cells.
- NO1CB-43933-00** (**) TERASAKI, PAUL I, LOS ANGELES, CALIFORNIA. Sensitization of human lymphocytes.
- NO1CB-43934-00** (**) LILLY, FRANK, BRONX, NEW YORK. Genetic control of immune responses in relation to cancer (mice).
- NO1CB-43935-00** (**) STIMPFING, JACK H, GREAT FALLS, MONTANA. Production of mutant congenic mice.
- NO1CB-43936-00** (**) SHREFFLER, DONALD C, ANN ARBOR, MICHIGAN. Detection and development of genetic strains.
- NO1CB-43937-00** (**) HONTZ, ARTHUR C, PHILADELPHIA, PENNSYLVANIA. Vaginal-cervical cell sample sources for cytology automation.
- NO1CB-43939-00** (**) ANDERSON, DAVID E, HOUSTON, TEXAS. Aryl hydrocarbon and 16d hydroxylose in high and low risk breast cancer (human).
- NO1CB-43940-00** (**) CLETON, FRANS J, AMSTERDAM, WETHERLANDS. Family and genetic studies in human breast cancer.
- NO1CB-43941-00** (**) MC DEVITT, HUGH O, STANFORD, CALIFORNIA. Recombinant inbred strains of mice for gene analysis.
- NO1CB-43942-00** (**) VALLEE, BERT L, CAMBRIDGE, MASSACHUSETTS. Immunohistochemistry of tumor angiogenesis factor (rabbits).
- NO1CB-43943-00** (**) HALPERN, DAVID B, WARRINGTON, PENNSYLVANIA. Detection of abnormal cervical cells.
- NO1CB-43945-00** (**) CASPERSSON, TORBJORN, STOCKHOLM, SWEDEN. Markers applicable to gynecologic cytopathology specimens (human).
- NO1CB-43946-00** (**) MC KHANN, CHARLES F, MINNEAPOLIS, MINNESOTA. Immunotherapy—Role of circulating tumor antigens (mice).
- NO1CB-43943-00** (**) SCHMIDTKE, JON R, MINNEAPOLIS, MINNESOTA. Macrophages in tumor immunology (human, mice).
- NO1CB-43949-00** (**) DECKERS, PETER J, BOSTON, MASSACHUSETTS. Subcellular fraction in immunotherapy—Tumor specific immunity with RNA.
- NO1CB-43951-00** (**) BARAM, PETER, CHICAGO, ILLINOIS. Effect of transfer factor on virus-induced tumors in marmoset monkey.
- NO1CB-43953-00** (**) PARONETTO, ROSENZO, NEW YORK, NEW YORK. Immunofluorescent techniques of antibodies against autologous human tumor cells.
- NO1CB-43954-00** (**) HENN, GARY L, DECATUR, ILLINOIS. Assay delayed hypersensitivity via-skin test.
- NO1CB-43955-00** (**) TOLLES, WALTER E, ALBANY, NEW YORK. Cell preparations of gynecologic cytopathologic specimens.
- NO1CB-43958-00** (**) SCHUR, PETER H, BOSTON, MASSACHUSETTS. New human tumor associated antigens of the GI tract.
- NO1CB-43960-00** (**) WEST, SEYMOUR, BIRMINGHAM, ALABAMA. Optical markers useful as gynecologic cytopathologic specimens (human).
- NO1CB-43962-00** (**) UEF, ROBERT C, MIAMI, FLORIDA. Staining gynecologic cytopathologic specimens (human).
- NO1CB-43963-00** (**) KOSS, LEOPOLD G, BRONX, NEW YORK. Gynecologic cytopathology specimens in suspension (human).
- NO1CB-43964-00** (**) CHISS, LEONARD, BOSTON, MASSACHUSETTS. Human peripheral blood mononuclear cells.
- NO1CB-43965-00** (**) HENNEY, CHRISTOPHER S, BALTIMORE, MARYLAND. Improvements of assays for cell-mediated immunity (mice).
- NO1CB-43967-00** (**) ARAI, KAZUHIKO, PHILADELPHIA, PENNSYLVANIA. Hapten treatment of cancer (rats).
- NO1CB-43968-00** (**) SONGSTER, CURTIS, LOUISVILLE, KENTUCKY. Detection of small amounts of human blood in feces.
- NO1CB-43969-00** (**) JENSEN, ELWOOD V, CHICAGO, ILLINOIS. Prediction of breast cancer response to adrenalectomy.
- NO1CB-43970-00** (**) BOREL, YVES R, BOSTON, MASSACHUSETTS. Selective stimulation of suppression of humoral or cellular immunologic responses.
- NO1CB-43971-00** (**) TOIVANEN, PAAVO, TURKU, FINLAND. Mechanisms of lymphoid cell differentiation (human, sheep, chickens).
- NO1CB-43972-00** (**) SERCARZ, ELI E, LOS ANGELES, CALIFORNIA. Genetic control of immune response to cancer.
- NO1CB-43973-00** (**) TULINNIUS, HRAFN, LYON, FRANCE. Familiality of breast cancer in Iceland.
- NO1CB-43974-00** (**) PRESENT, ARTHUR, CHICAGO, ILLINOIS. Methods of bowel preparation for barium enema or colonoscopy (human).
- NO1CB-43975-00** (**) FITZGERALD, PATRICK J, NEW YORK, NEW YORK. Early diagnosis of pancreatic cancer, prior to the presence of metastases (human).
- NO1CB-43976-00** (**) MOOSA, A R, CHICAGO, ILLINOIS. Early detection of pancreatic cancer (human).
- NO1CB-43977-00** (**) BARNARD, ERIC A, ALBANY, NEW YORK. Biochemical markers or enzyme changes that presage the presence of cancer (human).
- NO1CB-43978-00** (**) HAZLEWOOD, CARLTON, HOUSTON, TEXAS. NMR studies in neoplastic and non-neoplastic tissues.
- NO1CB-43979-00** (**) DAMADIAN, RAYMOND, ALBANY, NEW YORK. NMR studies in neoplastic and non-neoplastic tissues.
- NO1CB-43980-00** (**) POTTS, D GORDON, NEW YORK, NEW YORK. Tomography in diagnosis of brain tumors.
- NO1CB-43981-00** (**) DAVIS, DAVID O, WASHINGTON, DISTRICT OF COLUMBIA. Tomography in diagnosis of brain tumors.
- NO1CB-43982-00** (**) BAKER, M L, ROCHESTER, MINNESOTA. Computerized transaxial tomography in brain tumor diagnosis (human).
- NO1CB-43983-00** (**) NEW, PAUL J, BOSTON, MASSACHUSETTS. Computerized transaxial tomography in the diagnosis of brain tumors (human).
- NO1CB-43984-00** (**) TODD, PAUL W, UNIVERSITY PARK, PENNSYLVANIA. Markers applicable to gynecologic cytopathology specimens (human).
- NO1CB-43985-00** (**) ROSEMAN, SAUL, BALTIMORE, MARYLAND. Normal and tumor cell surface antigens.
- NO1CB-43986-00** (**) SMITHIES, OLIVER, MADISON, WISCONSIN. Biochemistry of normal and tumor cell surface antigens.
- NO1CB-43987-00** (**) KIEHN, EDWARD D, SEATTLE, WASHINGTON. Organization and dynamics of cell surface membrane components.
- NO1CB-43988-00** (**) CHERRY, MARIANNA, BAR HARBOR, MAINE. Production and distribution of H-2 recombinant mutants (mice).
- NO1CB-43989-00** (**) BAHL, OM P, BUFFALO, NEW YORK. Identification and purification of endoglycosidases.
- NO1CB-43990-00** (**) HUBAY, CHARLES A, CLEVELAND, OHIO. Therapy of carcinoma of breast (human).
- NO1CB-43991-00** (**) PERLIA, CHARLES P, CHICAGO, ILLINOIS. Hormone therapy plus chemotherapy in patients with breast cancer.
- NO1CB-43992-00** (**) BRADY, L W, PHILADELPHIA, PENNSYLVANIA. Clinical application of electron radiography.
- NO1CB-43993-00** (**) DODD, GERALD D, HOUSTON, TEXAS. Xeromammography versus film mammography (human).
- NO1CB-43994-00** (**) GERSHON, RICHARD K, NEW HAVEN, CONNECTICUT. Humoral or cellular immunologic responses (mice).
- NO1CB-43997-00** (**) SCHWAB, JOHN M, CHAPEL HILL, NORTH CAROLINA. Humoral or cellular immunologic responses.
- NO1CB-43998-00** (**) ROWLEY, DONALD A, CHICAGO, ILLINOIS. Selective stimulation or suppression of immunologic responses.
- NO1CB-43999-00** (**) MAURER, PAUL M, PHILADELPHIA, PENNSYLVANIA. Specificity of antigen-binding receptors on T-cells (mice).
- NO1CB-44000-00** (**) WALLACH, DONALD F, BOSTON, MASSACHUSETTS. Organization and dynamics of cell surface membrane components.
- NO1CB-44001-00** (**) RUSSELL, STEPHEN W, LA JOLLA, CALIFORNIA. Nature and function of immune-related cells in tumor masses.
- NO1CB-44002-00** (**) FISHMAN, JACK, BRONX, NEW YORK. Biochemical and physiological investigations in familial genetic patterns.
- NO1CB-44000-00** (**) LYNCH, HENRY T, OMAHA, NEBRASKA. Biochemical and physiological investigations based on familial genetic patterns.
- NO1CB-44004-00** (**) ANDERSON, DAVID E, HOUSTON, TEXAS. Genetic polymorphism in high and low risk breast cancer families.
- NO1CB-44002-00** (**) DVORAK, HAROLD F, BOSTON, MASSACHUSETTS. Biochemistry of normal and tumor-cell surface antigens.
- NO1CB-44007-00** (**) NOT APPLICABLE, MAYNARD, MASSACHUSETTS. Provision of laboratory computer system, hardware, software, documentation.
- NO1CB-44008-00** (**) RIFKIND, RICHARD A, NEW YORK, NEW YORK. Organization and dynamics of cell surface membrane components.
- NO1CB-44009-00** (**) BENNETT, J CLAUDE, BIRMINGHAM, ALABAMA. Biochemistry of normal and tumor cell surface antigens (mice).
- NO1CB-44010-00** (**) MASON, MARCUS W, WORCESTER, MASSACHUSETTS. Compilation of anti-uterotropic, progestational & anti-progestational assays.
- NO1CB-44011-00** (**) LESTER, RICHARD G, DURHAM, NORTH CAROLINA. Xeromammography versus film mammography (human).
- NO1CB-44012-00** (**) STRAX, PHILLIP, NEW YORK, NEW YORK. Xeromammography versus film mammography (human).

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NOTCB-50573-16** (**) **MC MAHAN, C A**, NEW ORLEANS, LOUISIANA. Statistical services for breast cancer groups.
- NOTCB-60968-14** (**) **WELSCH, FEDERICO**, SHREWSBURY, MASSACHUSETTS. Automated methods for steroid hormone metabolites.
- NOTCB-71465-09** (**) **VESTERGAARD, PER B**, ALBANY, NEW YORK. Steroid excretion study in patients with breast cancer.
- NOTCB-90033-10** (**) **FAULKIN, LESLIE J, JR**, DAVIS, CALIFORNIA. Study of mammary tumors in dogs.
- NOTCB-92142-13** (**) **POTTER, MICHAEL**, BETHESDA, MARYLAND. Transplantation and preservation of plasma cell tumors in mice.
- NOTCB-92172-09** (**) **FROST, JOHN K**, BALTIMORE, MARYLAND. Early detection, localization and therapy of lung cancer (human).
- NOTCB-92176-09** (**) **HOLLINSHEAD, ARIEL C**, WASHINGTON, DISTRICT OF COLUMBIA. Hypersensitivity to antigens on malignant and non-malignant cells (human).
- NOTCB-92177-10** (**) **TRAPANI, ROBERT J**, BETHESDA, MARYLAND. NCI human histocompatibility typing center.
- NOTCL-42150-04** (**) **SCHMIDT, PAUL J**, BETHESDA, MARYLAND. Plateletpheresis program.
- NOTCL-42174-00** (**) **NOT APPLICABLE**, MINNEAPOLIS, MINNESOTA. Clinical laboratory information system.
- NOTCL-42183-00** (**) **WILCOX, JEROME C**, DAVIS, CALIFORNIA. High level language implementation of schema interpreter.
- NOTCM-02008-07** (**) **MARGARD, WERNER L**, COLUMBUS, OHIO. Incidence of Salmonella carriers in mice.
- NOTCM-02028-07** (**) **MEALEY, JOHN, JR**, BLOOMINGTON, INDIANA. Experimental chemotherapy of brain tumors (human).
- NOTCM-02030-07** (**) **ODOM, GUY L**, DURHAM, NORTH CAROLINA. Cooperative studies in brain tumor chemotherapy.
- NOTCM-02035-05** (**) **HAUSCHKA, THEODORE S**, BUFFALO, NEW YORK. Iso-antigen typing of mouse strains and tumors.
- NOTCM-02041-10** (**) **COX, ELDON J**, INDIANAPOLIS, INDIANA. Maintenance of rodent and genetic production centers.
- NOTCM-02043-06** (**) **FOSTER, HENRY J**, WILMINGTON, MASSACHUSETTS. Maintenance of a rodent breeding and production colony.
- NOTCM-02044-07** (**) **FORTNEY, R D**, MADISON, WISCONSIN. Maintenance of a rodent breeding and production colony.
- NOTCM-02055-13** (**) **SCHAEPI, ULRICH**, WORCESTER, MASSACHUSETTS. Preclinical evaluation of compounds (mice, rats, dogs, monkeys).
- NOTCM-02066-08** (**) **MOERTEL, CHARLES G**, ROCHESTER, MINNESOTA. Investigation of new drugs on treatment of gastrointestinal cancers (human).
- NOTCM-02083-12** (**) **SCHMIDT, LEON H**, BIRMINGHAM, ALABAMA. Pharmacology of anti-leukemic and other anticancer drugs (monkeys, dogs, rodents).
- NOTCM-02092-05** (**) **TERASAKI, PAUL I**, LOS ANGELES, CALIFORNIA. HL-A typing for platelet and leukocyte transfusions.
- NOTCM-02136-05** (**) **MANTHEL, ROLAND W**, PHILADELPHIA, PENNSYLVANIA. Pharmacology of new antitumor agents (human, mammals, nonhuman).
- NOTCM-02225-07** (**) **SIGEL, MICHAEL M**, CORAL GABLES, FLORIDA. Test for cytotoxicity of chemical agents.
- NOTCM-02239-09** (**) **DE FELUPPI, RICHARD P**, CAMBRIDGE, MASSACHUSETTS. Increase the efficiency of human blood cell procurement.
- NOTCM-02271-06** (**) **GLUCK, J LESLIE**, BUFFALO, NEW YORK. Human hematopoietic tissue culture cell lines.
- NOTCM-12007-06** (**) **FORTNEY, R D**, MADISON, WISCONSIN. Maintenance of rodents in controlled environments.
- NOTCM-12010-05** (**) **WEIR, JOHN A**, LAWRENCE, KANSAS. Maintenance of nucleus colony of inbred mice.
- NOTCM-12094-03** (**) **BODEY, GERALD P**, HOUSTON, TEXAS. Role of protected environment in therapy of acute leukemia.
- NOTCM-12098-11** (**) **SCHABEL, F M, JR**, BIRMINGHAM, ALABAMA. Analysis, testing and evaluation of anti-cancer agents (mammal, nonhuman).
- NOTCM-12099-07** (**) **KUPCHAN, S MORRIS**, CHARLOTTESVILLE, VIRGINIA. Extraction of tumor inhibitors.
- NOTCM-12123-05** (**) **CHAMBERS, ROBERT W**, WASHINGTON, DISTRICT OF COLUMBIA. Viral studies in support of cancer chemotherapy patients.
- NOTCM-12127-03** (**) **WEISS, DAVID W**, JERUSALEM, ISRAEL. Antitumor resistance by extract of tubercle bacilli (human, mice).
- NOTCM-12139-04** (**) **EBERT, WILLIAM R**, COLUMBUS, OHIO. Prepare oral dosage forms.
- NOTCM-12162-04** (**) **TANABE, MASATO**, MENLO PARK, CALIFORNIA. Preparation of radiolabeled chemicals and drugs.
- NOTCM-12165-04** (**) **COLLINS, G ROBERT**, MIDLAND, MICHIGAN. Preparation of bulk chemicals and drugs.
- NOTCM-12181-03** (**) **OWENS, GUY**, HARTFORD, CONNECTICUT. Brain tumor chemotherapy (human).
- NOTCM-12184-04** (**) **AZARNOFF, DANIEL L**, KANSAS CITY, KANSAS. Pharmacokinetics of anticancer drugs.
- NOTCM-12185-05** (**) **AHMANN, DAVID L**, ROCHESTER, MINNESOTA. Research on carcinoma of the breast (human).
- NOTCM-12186-04** (**) **BOREK, ERNEST**, DENVER, COLORADO. Development of inhibitors to RNA methylation (mammals nonhuman).
- NOTCM-12188-04** (**) **CHANCE, BRITTON**, PHILADELPHIA, PENNSYLVANIA. Biochemical screening for anti-cancer agents (mammals).
- NOTCM-12192-04** (**) **JAEENKE, ROGER S**, FORT COLLINS, COLORADO. Toxicology of antineoplastic agents (mammals).
- NOTCM-12206-05** (**) **STRAW, JAMES A**, WASHINGTON, DISTRICT OF COLUMBIA. Solid tumor pharmacology in laboratory animals (dogs).
- NOTCM-12259-06** (**) **BOGDEN, ARTHUR E**, WORCESTER, MASSACHUSETTS. New agent screening for chemotherapy cancer use (mice).
- NOTCM-12275-03** (**) **WELLS, ROBERT D**, MADISON, WISCONSIN. Studies on reverse transcriptase in RNA tumor viruses.
- NOTCM-12308-05** (**) **PETTIT, GEORGE R**, TEMPE, ARIZONA. Isolate antitumor agents from natural products.
- NOTCM-12309-04** (**) **BLOCK, PETER B**, KING OF PRUSSIA, PENNSYLVANIA. Synthesis of coordination compounds as potential antitumor agents.
- NOTCM-12314-04** (**) **ASH, ARTHUR B**, DETROIT, MICHIGAN. Operate a synthesis laboratory.
- NOTCM-12323-06** (**) **GEHRKE, CHARLES W**, COLUMBIA, MISSOURI. Development and application of gas chromatographic techniques.
- NOTCM-12326-03** (**) **FRIEDMAN, ORRIN M**, WALTHAM, MASSACHUSETTS. Preparation of polymeric materials.
- NOTCM-12339-05** (**) **CANELLAKIS, EVANGELO S**, NEW HAVEN, CONNECTICUT. Biochemical screening for anticancer agents.
- NOTCM-12340-07** (**) **WU, ALAN M**, BETHESDA, MARYLAND. Develop new approaches to cancer chemotherapy (human).
- NOTCM-12342-06** (**) **HOYT, WILLIAM**, MADISON, WISCONSIN. Rodent breeding center.
- NOTCM-22002-05** (**) **BABSON, ROBERT**, RAHWAY, NEW JERSEY. Provision of commercially unobtainable compounds.
- NOTCM-22004-06** (**) **OTIS, ALBERT P**, NORTH WILMINGTON, MASSACHUSETTS. Maintenance of a genetic center.
- NOTCM-22013-03** (**) **TILL, WALTER H**, PRATTVILLE, ALABAMA. Maintenance of a rodent production center.
- NOTCM-22042-02** (**) **HUENNEKENS, FRANK M**, LA JOLLA, CALIFORNIA. Preparation and testing of vitamin B12 analogs (mice).
- NOTCM-22044-03** (**) **O'FOGHLUDDHA, FEARGHUS T**, DURHAM, NORTH CAROLINA. Improving radioautographic emulsions and processing methods (mammals).
- NOTCM-22053-04** (**) **TAGNON, HENRI J**, BRUSSELS, BELGIUM. Liaison office for cancer chemotherapy.
- NOTCM-22054-04** (**) **SAKURAI, YOSHIO**, TOKYO, JAPAN. Establish cancer liaison office in Japan.
- NOTCM-22059-04** (**) **VAN HOOSIER, GERALD L, JR**, PULLMAN, WASHINGTON. Primary genetic-production center.
- NOTCM-22062-05** (**) **RICHARDSON, LINDA**, BETHESDA, MARYLAND. Procurement of embryonic cell lines with variable growth rates (mice, rats).
- NOTCM-22072-04** (**) **DAO, THOMAS L**, ALBANY, NEW YORK. Clinical trials of carcinoma of the breast.
- NOTCM-22074-06** (**) **HORTON, JOHN**, ALBANY, NEW YORK. Services for research and experimentation on breast carcinoma.
- NOTCM-22078-04** (**) **FARNSWORTH, NORMAN R**, URBANA, ILLINOIS. Develop active antitumor agents from natural sources.
- NOTCM-23200-03** (**) **MITOMA, CHOZO**, MENLO PARK, CALIFORNIA. Metabolism of antineoplastic agents (rats).
- NOTCM-23201-04** (**) **REED, DONALD J**, CORVALLIS, OREGON. Metabolism of antineoplastic agents (mammals).
- NOTCM-23203-05** (**) **STARKS, FRED W**, BUFFALO, NEW YORK. Synthesis of cancer chemotherapy compounds.
- NOTCM-23208-03** (**) **RINEHART, KENNETH L, JR**, URBANA, ILLINOIS. Study of streptoviricins and related compounds.
- NOTCM-23211-05** (**) **BRIODY, BERNARD A**, NEWARK, NEW JERSEY. Virus diagnostic and research laboratory.
- NOTCM-23218-04** (**) **HARLAN, H P**, CUMBERLAND, INDIANA. Maintenance of a rodent production center.
- NOTCM-23219-03** (**) **SIMONSEN, HARRY C**, GILROY, CALIFORNIA. Maintenance of a rodent production center.
- NOTCM-23223-03** (**) **KUTNEY, JAMES P**, VANCOUVER, CANADA. Synthesis of vinblastine, vincristine and related anti-tumor agents.
- NOTCM-23241-04** (**) **HARRIS, PHILLIP A**, LOS ANGELES, CALIFORNIA. Distribution, disposition, and metabolism of antineoplastic agents.
- NOTCM-23242-02** (**) **GARATTINI, SIVIO**, MILAN, ITALY. Distribution, disposition and metabolism of antineoplastic agents.
- NOTCM-23257-04** (**) **HARRIS, GEORGE H**, CAMBRIDGE, MASSACHUSETTS. DR and D chemotherapy biological data processing system.
- NOTCM-23701-04** (**) **BOWLES, CHARLES A**, VIENNA, VIRGINIA. Perform mixed leukocyte cultures (human, dogs).
- NOTCM-23703-06** (**) **MARTIN, DANIEL S**, JAMAICA, NEW YORK. Therapy evaluation against spontaneous mammary cancer (mice).
- NOTCM-23704-03** (**) **GAROUS, JAMES L**, VIENNA, VIRGINIA. Screening agents for cancer chemotherapy (rodents).
- NOTCM-23705-03** (**) **FOSTER, A M**, BUFFALO, NEW YORK. Collecting chemical compounds and drugs for antitumor testing.
- NOTCM-23707-05** (**) **DRAPER, MARSHALL D**, SIMI VALLEY, CALIFORNIA. Preparation of bulk chemicals and drugs.
- NOTCM-23708-04** (**) **ELSLAGER, EDWARD F**, DETROIT, MICHIGAN. Preparation of bulk chemicals and drugs.
- NOTCM-23710-03** (**) **TOWNSEND, LEROY B**, SALT LAKE CITY, UTAH. Synthesis of potential antiviral-anticancer purine nucleosides.
- NOTCM-23711-05** (**) **WECHSLER, A E**, CAMBRIDGE, MASSACHUSETTS. Biomedical engineering research services.
- NOTCM-23712-08** (**) **MALELLO, J A**, MIDLAND, MICHIGAN. Effects of anticancer agents on reproduction (rats, mice, rabbits).
- NOTCM-23715-02** (**) **YANKO, WILLIAM H**, DAYTON, OHIO. Services to prepare radioactive labeled materials.
- NOTCM-23717-02** (**) **LAMERTON, LEONARD F**, LONDON, ENGLAND. Chemotherapeutic response of tumors and the granulocyte system (mammals nonhuman).
- NOTCM-23718-02** (**) **POLLARD, MORRIS**, NOTRE DAME, INDIANA. Regulation of the microflora of leukemic laboratory animals.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1CM-23719-03 (** RAZDAN, RAJK, CAMBRIDGE, MASSACHUSETTS. Synthesis of CNS antitumor agents.
- NO1CM-33701-01 (** BURNS, KENNETH, NEW ORLEANS, LOUISIANA. Genetic center for inbred hybrid and outbred rodents in a germfree environment.
- NO1CM-33702-01 (** OLSON, BIRGER H, LANSING, MICHIGAN. Tissue culture assay of antibiotic beers and purified preparations (mice).
- NO1CM-33703-01 (** SMITH, R NELSON, CLAREMONT, CALIFORNIA. Structural properties of cancer therapeutic agents.
- NO1CM-33704-03 (** ROENIGK, HENRY H, JR, CLEVELAND, OHIO. Methotrexate-Hepatotoxicity study (human).
- NO1CM-33705-01 (** GOOD, ROBERT C, VIENNA, VIRGINIA. Determinative and diagnostic microbiological services.
- NO1CM-33706-05 (** SANFACON, THOMAS J, ALEXANDRIA, VIRGINIA. DRAD biological data processing system.
- NO1CM-33707-02 (** NEIL, GARY L, KALAMAZOO, MICHIGAN. Drug evaluation, development and screening.
- NO1CM-33708-03 (** DALGARD, DANIEL W, VIENNA, VIRGINIA. Pharmacologic and carcinogenic studies in neonatal primates (mice).
- NO1CM-33709-02 (** ELIARD, JAMES A, DAYTON, OHIO. Resynthesis of drugs and chemicals.
- NO1CM-33711-01 (** BERTINO, JOSEPH R, NEW HAVEN, CONNECTICUT. Selection and design of promising anticancer agents.
- NO1CM-33712-03 (** MONTGOMERY, JOHN A, BIRMINGHAM, ALABAMA. Synthesis of potential anticancer agents.
- NO1CM-33713-01 (** SALMON, SYDNEY E, TUCSON, ARIZONA. Development of staging system for multiple myeloma patients.
- NO1CM-33714-01 (** VERONESI, UMBERTO, MILAN, ITALY. Clinical trials for breast and gastrointestinal cancer and brain tumors.
- NO1CM-33715-03 (** ZELEN, MARVIN, ALBANY, NEW YORK. Statistical and administrative (operations office) support.
- NO1CM-33716-01 (** WEED, LAWRENCE L, BURLINGTON, VERMONT. Computerized medical information system (human).
- NO1CM-33717-02 (** CRAIN, ROBERT D, SILVER SPRING, MARYLAND. Clinical data reduction services.
- NO1CM-33719-01 (** LEFKOVITZ, DAVID, PHILADELPHIA, PENNSYLVANIA. Chemical information processing system.
- NO1CM-33720-01 (** GARATTINI, SILVIO, MILAN, ITALY. Collection and screening of antineoplastic agents (mammals).
- NO1CM-33722-03 (** METZ, F I, KANSAS CITY, MISSOURI. Analysis of chemicals and pharmaceutical formulations.
- NO1CM-33723-03 (** LIA, PETER, MENLO PARK, CALIFORNIA. Analysis of chemicals and pharmaceutical formulations.
- NO1CM-33724-01 (** TRIPANIER, D L, MIDLAND, MICHIGAN. Synthesis of derivatives of 3-formylrifamycin-SV.
- NO1CM-33725-02 (** EGDahl, RICHARD H, BOSTON, MASSACHUSETTS. Exocrine and endocrine function in carcinoma of the pancreas.
- NO1CM-33726-01 (** CARTER, WILLIAM A, BUFFALO, NEW YORK. Evaluate antitumor properties of streptovaricin (mice).
- NO1CM-33727-04 (** KENSLER, CHARLES J, CAMBRIDGE, MASSACHUSETTS. Research and development program in cancer chemotherapy (mice, dogs, monkeys).
- NO1CM-33728-02 (** COSTLOW, R, BETHESDA, MARYLAND. Chemotherapy, drug distribution and genetic center.
- NO1CM-33732-02 (** HESS, HELEN, SILVER SPRING, MARYLAND. Administrative and technical support services.
- NO1CM-33733-01 (** PERLMAN, DAVID, MADISON, WISCONSIN. Bioautographic studies of cytotoxic samples from plants (mammals).
- NO1CM-33734-01 (** VINCENT, RONALD G, BUFFALO, NEW YORK. Therapy of patients with bronchogenic carcinoma.
- NO1CM-33735-02 (** CARR, DAVID T, ROCHESTER, MINNESOTA. Therapy of patients with bronchogenic carcinoma.
- NO1CM-33736-01 (** KLASSEN, KARL P, COLUMBUS, OHIO. Therapy of patients with bronchogenic carcinoma.
- NO1CM-33738-02 (** SEALY, GORDON R, RONDEBOSCH, CAPE TOWN, SOUTH AFRICA. Therapy of bronchogenic carcinoma (human).
- NO1CM-33739-02 (** THOMPSON, KENNETH L, ROCKVILLE, MARYLAND. Processing of clinical patient research data.
- NO1CM-33742-02 (** HENRY, DAVID W, MENLO PARK, CALIFORNIA. Synthesis of potential anti-cancer agents.
- NO1CM-33743-02 (** CHENG, C C, KANSAS CITY, MISSOURI. Synthesis of unique compounds for cancer chemotherapy studies.
- NO1CM-33744-01 (** PHELMEIER, GEORGE R, ROCKVILLE, MARYLAND. Drug distribution and inventory data system.
- NO1CM-33745-01 (** HUMBELSBACH, CLIFTON K, WASHINGTON, DISTRICT OF COLUMBIA. Support services for eastern cooperative oncology group.
- NO1CM-33746-02 (** MARGOSHES, MARYIN, TARRYTOWN, NEW YORK. Equipment to determine polyamines in biological fluids (human).
- NO1CM-33747-02 (** SAGAWA, YONBO, HONOLULU, HAWAII. Collection of indigenous and exotic plants.
- NO1CM-33748-01 (** JAEBAK, JOSEPH W, CHICAGO, ILLINOIS. Human dihydrofolate reductase (human, animals).
- NO1CM-33750-01 (** COLE, JACK R, TUCSON, ARIZONA. Collection, fractionation and purification of plant extracts.
- NO1CM-40044-10 0006 (** YAGER, ROBERT H, . Survey of data on child abuse.
- NO1CM-43701-00 (** WICKES, GLENN F, BEDFORD, OHIO. Development and production of antitumor agents.
- NO1CM-43702-00 (** BOWLES, CHARLES A, LOS ANGELES, CALIFORNIA. Canine bone marrow transplantation and immunotherapy studies.
- NO1CM-43703-00 (** GREENSPAN, EZRA M, NEW YORK, NEW YORK. Chemotherapy of ovarian carcinoma (human).
- NO1CM-43704-00 (** BARLOW, G H, NORTH CHICAGO, ILLINOIS. Human granulocyte conditioning factor.
- NO1CM-43705-00 (** DALGARD, DAN W, VIENNA, VIRGINIA. Intrathecal toxicity of antineoplastic agents (Rhesus monkeys).
- NO1CM-43706-00 (** WILSON, CHARLES B, SAN FRANCISCO, CALIFORNIA. Cooperative studies in brain tumor chemotherapy.
- NO1CM-43707-00 (** COON, FRANCIS B, MADISON, WIS. Preparation of plant extracts.
- NO1CM-43718-00 (** REBA, RICHARD C, WASHINGTON, DISTRICT OF COLUMBIA. Radioisotope labelling of bleomycin.
- NO1CM-43711-00 (** BAUGHMAN, LAWRENCE C, HOUSTON, TEXAS. Inbred and hybrid rodents.
- NO1CM-43712-00 (** HECHT, SIDNEY M, CAMBRIDGE, MASSACHUSETTS. Synthesis of bleomycin and structural modifications.
- NO1CM-43714-00 (** MERRIN, CLAUDE E, ALBANY, NEW YORK. Therapy of patients with testicular carcinoma.
- NO1CM-43715-00 (** HAHN, RICHARD G, ROCHESTER, MINNESOTA. Therapy of patients with testicular carcinoma.
- NO1CM-43716-00 (** GOLBEY, ROBERT B, NEW YORK, NEW YORK. Therapy of patients with testicular carcinoma.
- NO1CM-43718-00 (** HUMPHREY, RICHARD L, BALTIMORE, MARYLAND. Development of an in vivo method for the precise enumeration of tumor cells.
- NO1CM-43719-00 (** TING, ROBERT C, WASHINGTON, DISTRICT OF COLUMBIA. Supportive services in virology, immunology and tissue culture.
- NO1CM-43720-00 (** LEYMAN, EDWARD, WASHINGTON, DISTRICT OF COLUMBIA. Cancer therapy abstracts.
- NO1CM-43722-00 (** SEALS, JAMES V, COLUMBUS, OHIO. Drug research and development chemical information system.
- NO1CM-43726-00 (** VERONESI, UMBERTO, MILAN, ITALY. Coordinating center for the clinical study of melanoma.
- NO1CM-43727-00 (** COOPER, EDWARD H, LEEDS, ENGLAND. Trials in gastrointestinal cancer (human).
- NO1CM-43720-00 (** LESHER, S, PITTSBURGH, PENNSYLVANIA. Cancer chemotherapeutic drugs and in-vivo cell population.
- NO1CM-43731-00 (** VIETTI, TERESA, ST LOUIS, MISSOURI. Interaction of anticancer agents at the cellular level.
- NO1CM-43732-00 (** KATZ, EDWARD, WASHINGTON, DISTRICT OF COLUMBIA. Preparation and purification of actinomycin analogs via directed biosynthesis.
- NO1CM-43736-00 (** CONNORS, THOMAS A, LONDON, ENGLAND. Model system development and agent collection (mice).
- NO1CM-43743-00 (** WURSTER, DALE, IOWA CITY, IOWA. Development and production of parenteral dosage forms for clinical investigations.
- NO1CM-43746-00 (** FOLK, ROGER M, COLUMBUS, OHIO. Protocol toxicology prime contractor.
- NO1CM-43746-00 (** WENTZ, DENNIS K, BALTIMORE, MARYLAND. Programs involving combination drug and combined modalities treatment of cancer.
- NO1CM-43753-01 (** NEIL, GARY L, KALAMAZOO, MICHIGAN. Drug research, development, evaluation and screening.
- NO1CM-43754-00 (** DHON, H W, DETROIT, MICHIGAN. New antineoplastic drug acquisition, evaluation, development and screening.
- NO1CM-43755-00 (** SHEPNER, ALAN, CHICAGO, ILLINOIS. Services in support of primary drug screening program.
- NO1CM-43756-00 (** SCHABEL, FRANK M, JR, BIRMINGHAM, ALABAMA. Analysis, testing and evaluation of anti-cancer agents (mammals, non-human).
- NO1CM-43759-00 (** CLARIDGE, C A, SYRACUSE, NEW YORK. Antineoplastic compounds using transformations and co-oxidations.
- NO1CM-43760-00 (** BRIDY, S A, NEWARK, NEW JERSEY. Maintenance of virus diagnostic laboratory (mice, rats, hamsters).
- NO1CM-43761-00 (** BEISLER, JOHN, BETHESDA, MARYLAND. Synthesis of unique compounds for cancer chemotherapy.
- NO1CM-43762-00 (** MONTGOMERY, JOHN A, BIRMINGHAM, ALABAMA. Synthesis of potential anticancer agents.
- NO1CM-43764-00 (** VOGEL, CHARLES L, ATLANTA, GEORGIA. Phase II chemotherapy studies (human).
- NO1CM-43778-00 (** GOODMAN, LEON, KINGSTON, RHODE ISLAND. Synthesis of nitrogen heterocycle compounds as potential antitumor agents.
- NO1CM-43779-00 (** HASSNER, ALFRED, BOULDER, COLORADO. Synthesis of nitrogen heterocycle compounds as potential antitumor agents.
- NO1CM-43780-00 (** MELLETT, BRUCE L, BIRMINGHAM, ALABAMA. Pharmacological studies of antitumor agents (animals).
- NO1CM-43781-00 (** FREI, EMIL, BOSTON, MASSACHUSETTS. Therapy of patients with gastric carcinoma.
- NO1CM-43782-00 (** HOLYOKE, E DOUGLAS, ALBANY, NEW YORK. Therapy of patients with gastric carcinoma.
- NO1CM-43783-00 (** MOERTEL, CHARLES G, ROCHESTER, MINNESOTA. Therapy of patients with gastric carcinoma.
- NO1CM-43784-00 (** BENNETT, LEE L, BIRMINGHAM, ALABAMA. Biochemistry and molecular biology of antitumor drugs (tissue culture, mammals).
- NO1CM-43785-00 (** GRINDEY, GERALD B, BUFFALO, NEW YORK. Characterization of antitumor drugs—Profile of drug interactions.
- NO1CM-43786-00 (** HURLBERT, ROBERT B, HOUSTON, TEXAS. Characterization of antitumor drugs; effects on polynucleotide metabolism.
- NO1CM-43787-00 (** GROLLMAN, ARTHUR P, BRONX, NEW YORK. Antitumor drugs and effects on protein synthesis (mammals).
- NO1CM-43788-00 (** PLAGBAMANN, PETER G, MINNEAPOLIS, MINNESOTA. Antitumor drugs—Drug uptake and membrane transport processes.
- NO1CM-43790-00 (** MANGUM, JOHN H, PROVO, UTAH. Antitumor drugs—Effects on folate metabolism.
- NO1CM-43791-00 (** BYFIELD, JOHN E, LOS ANGELES, CALIFORNIA. Combined use of radiotherapy and clinically established antitumor drugs.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1CM-43793-00 (** BERMAN, J, BETHESDA, MARYLAND. Storage and distribution of chemicals and drugs used in cancer chemotherapy.
- NO1CM-43794-00 (** HOLYOKE, DOUGLAS, ALBANY, NEW YORK. Therapy of patients with pancreatic carcinoma.
- NO1CM-43795-00 (** HALL, THOMAS C, LOS ANGELES, CALIFORNIA. Therapy of patients with pancreatic carcinoma.
- NO1CM-43796-00 (** MOERTTEL, CHARLES G, ROCHESTER, MINNESOTA. Therapy of patients with pancreatic carcinoma.
- NO1CM-43797-00 (** SPIRO, HOWARD M, NEW HAVEN, CONNECTICUT. Therapy of patients with pancreatic carcinoma.
- NO1CM-43798-00 (** SPARKS, FRANK C, LOS ANGELES, CALIFORNIA. Therapy of patients with pancreatic carcinoma (human).
- NO1CM-43799-00 (** FRIE, EMIL, BOSTON, MASSACHUSETTS. Therapy of patients with pancreatic carcinoma.
- NO1CM-43800-00 (** KALSER, MARTIN H, MIAMI, FLORIDA. Therapy of patients with pancreatic carcinoma (human).
- NO1CM-43801-00 (** GOTTLIEB, JEFFREY A, HOUSTON, TEXAS. Phase I studies of new anticancer agents (human).
- NO1CM-43802-00 (** HOOGSTRA滕EN, BARTH, KANSAS CITY, KANSAS. Phase I studies of new anticancer agents (human).
- NO1CM-43800-00 (** KARON, MYRON R, LOS ANGELES, CALIFORNIA. Studies of new anticancer agents.
- NO1CM-43804-00 (** KRAKOFF, IRWIN H, NEW YORK, NEW YORK. Phase I studies of new anticancer agents (human).
- NO1CM-43804-00 (** TOWNSEND, LEROY B, SALT LAKE CITY, UTAH. Synthesis of nucleosides and related derivatives for cancer chemotherapy.
- NO1CM-30634-21 (** MELLETT, LAWRENCE B, BIRMINGHAM, ALABAMA. Distribution of antileukemic drugs.
- NO1CM-31021-19 (** BROWN, CARTER N, COLUMBUS, OHIO. Registry of NCI cancer chemotherapy.
- NO1CM-60029-20 (** BENNETT, I L, JR, BIRMINGHAM, ALABAMA. Biochemical problems related to cancer chemotherapy.
- NO1CM-60494-17 (** KLINE, BERNARD E, MADISON, WISCONSIN. Screening of synthetic materials.
- NO1CM-60506-15 (** FRIEDMAN, OBRIE M, WALTHAM, MASSACHUSETTS. Synthetic and biochemical approaches to cancer chemotherapy.
- NO1CM-61156-13 (** LOO, TI U, HOUSTON, TEXAS. Studies of antitumor agents.
- NO1CM-70747-10 (** COON, FRANCIS B, MADISON, WISCONSIN. Preparation of plant extracts.
- NO1CM-71173-12 (** BLACKER, H M, LEXINGTON, KENTUCKY. Studies in brain tumor chemotherapy (human).
- NO1CM-71174-12 (** BANSOHOFF, JOSEPH, NEW YORK, NEW YORK. Chemotherapy of patients with brain tumors.
- NO1CM-71173-09 (** HUNT, WILLIAM E, COLUMBUS, OHIO. Experimental chemotherapy on brain tumor (human, rats).
- NO1CM-71343-12 (** KYALWAZI, SEBASTIAN K, KAMPALA, UGANDA, EAST AFRICA. Development of a lymphoma treatment center.
- NO1CM-80088-13 (** BENSON, WILLIAM K, HOUSTON, TEXAS. Trust colony of various strains of rodents.
- NO1CM-80950-10 (** ALEXANDER, EBEN, JR, WINSTON-SALEM, NORTH CAROLINA. Brain tumor chemotherapy (human).
- NO1CM-31021-10 (** SHEBNER, ALAN, CHICAGO, ILLINOIS. Screening chemical agents against animal tumors (mice).
- NO1CM-31300-08 (** JAGOW, R H, SACRAMENTO, CALIFORNIA. Experimental cancer chemotherapeutic agents preparation laboratory.
- NO1CM-90035-14 (** BRADNER, WILLIAM T, SYRACUSE, NEW YORK. Development of antitumor agents.
- NO1CM-92004-10 (** BURCKHALTER, JOSEPH H, ANN ARBOR, MICHIGAN. Synthesis of new nitrogen heterocyclic compounds.
- NO1CM-92019-09 (** WALL, MONROE E, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Tumor inhibitory substances in plants.
- NO1CM-92251-08 (** PETERS, ARTHUR C, COLUMBUS, OHIO. Operation of trust stock colony of mice.
- NO1CN-23294-13 (** STEVENSON, ROBERT E, BETHESDA, MARYLAND. Cancer research center.
- NO1CN-35003-04 (** GALLAGHER, H STEPHEN, CHICAGO, ILLINOIS. Twelfth Annual Conference on Breast Cancer.
- NO1CN-35004-02 (** STRAX, PHILIP, NEW YORK, NEW YORK. Demonstration project on earlier detection of breast cancer.
- NO1CN-35009-03 (** WASSERMAN, LOUIS R, NEW YORK, NEW YORK. Clinical chemotherapy in cancer control (human).
- NO1CN-35012-04 (** MOORE, CONDUCT, LOUISVILLE, KENTUCKY. Demonstration project on earlier detection of breast cancer (human).
- NO1CN-35013-03 (** KARON, MYRON R, LOS ANGELES, CALIFORNIA. Clinical chemotherapy in cancer control (human).
- NO1CN-35014-03 (** DURANT, JOHN R, UNIVERSITY STATION, ALABAMA. Prototype clinical chemotherapy program in cancer.
- NO1CN-35015-03 (** LAMPKIN, BEATRICE C, CINCINNATI, OHIO. Prototype clinical chemotherapy program in cancer control.
- NO1CN-35016-02 (** POWELL, R WALDO, ATLANTA, GEORGIA. Breast cancer detection demonstration project.
- NO1CN-35017-02 (** MC INTYRE, O ROSS, HANOVER, NEW HAMPSHIRE. Prototype clinical chemotherapy program in cancer control.
- NO1CN-35018-02 (** YOUKER, JAMES E, MILWAUKEE, WISCONSIN. Breast cancer detection demonstration project.
- NO1CN-35019-02 (** HOLTON, CHARLENE P, DENVER, COLORADO. Prototype clinical chemotherapy program in cancer control.
- NO1CN-35020-03 (** HABERMAN, JOANN D, OKLAHOMA CITY, OKLAHOMA. Breast cancer detection demonstration project.
- NO1CN-35022-03 (** LESTER, RICHARD G, CHICAGO, ILLINOIS. Programs to achieve early detection of breast cancer.
- NO1CN-35023-04 (** SIBINOVIC, KYLE H, ROCKVILLE, MARYLAND. Training courses for NCI/NIH laboratory personnel.
- NO1CN-35024-01 (** MOSKOWITZ, MYRON, CINCINNATI, OHIO. Breast cancer detection demonstration project.
- NO1CN-35025-02 (** SILVER, RICHARD T, NEW YORK, NEW YORK. Clinical chemotherapy in cancer control (human).
- NO1CN-35026-02 (** HUMPHREY, LOREN J, KANSAS CITY, KANSAS. Breast cancer detection demonstration.
- NO1CN-35027-02 (** WALLACE, JOHN D, PHILADELPHIA, PENNSYLVANIA. Evaluation of thermography in mass screening for breast cancer (human).
- NO1CN-35028-04 (** CARLILE, THOMAS, SEATTLE, WASHINGTON. Breast cancer detection demonstration project (human).
- NO1CN-35029-01 (** POMPA, ALFRED M, BOISE, IDAHO. Breast cancer detection demonstration project.
- NO1CN-35030-01 (** MAYER, ANDREW, CHICAGO, ILLINOIS. National cancer consultative programs for hospitals.
- NO1CN-35031-06 (** MESSER, DONALD H, SILVER SPRING, MARYLAND. National survey of cancer control.
- NO1CN-35032-01 (** BRANSCOMB, BEN V, UNIVERSITY STATION, ALABAMA. Demonstration of a cancer rehabilitation facility (human).
- NO1CN-35033-01 (** HICKEY, ROBERT C, HOUSTON, TEXAS. Telephone cancer information service.
- NO1CN-40044-04 0039 (** DUNHAM, CHARLES L. Survey of data on child abuse.
- NO1CN-45007-01 (** MELAMED, MYRON R, NEW YORK, NEW YORK. Effect of early detection and treatment on survival from lung cancer.
- NO1CN-45034-02 (** BARBER, HUGH, JAMAICA, NEW YORK. Integrated cancer rehabilitation services.
- NO1CN-45037-00 (** FROST, JOHN K, BALTIMORE, MARYLAND. Lung cancer control-Detection and therapy.
- NO1CN-45038-00 (** HEALEY, JOHN E, JR, HOUSTON, TEXAS. Training of professional teams in cancer rehabilitation.
- NO1CN-45039-00 (** LEHMANN, JUSTUS F, SEATTLE, WASHINGTON. Demonstration of a cancer rehabilitation facility.
- NO1CN-45041-00 (** PAISLEY, WILLIAM J, STAMFORD, CALIFORNIA. Review and evaluation of methods of public education in cancer.
- NO1CN-45042-00 (** HIRSCHY, ROGER E, MCLEAN, VIRGINIA. Technical services in support of the National Cancer Program Bulletin.
- NO1CN-45043-00 (** JOHNSON, DALLAS, BETHESDA, MARYLAND. Updating a manual of cytotechnology.
- NO1CN-45043-00 (** KENT, BARBARA E, STAMFORD, CALIFORNIA. Cancer training programs for physical/occupational therapists.
- NO1CN-45045-00 (** KALISH, RUTH A, ATLANTA, GEORGIA. Cancer training programs for physical/occupational therapists.
- NO1CN-45043-00 (** GILBERT, FRED I, JR, HONOLULU, HAWAII. Breast cancer detection demonstration project (human).
- NO1CN-45047-00 (** WHITNEY, LESLIE W, WILMINGTON, DELAWARE. Breast cancer detection demonstration project (human).
- NO1CN-45043-00 (** LIEPLEY, JAMES B, NEW YORK, NEW YORK. Training program for maxillofacial prosthodontists and laboratory technicians.
- NO1CN-45049-00 (** WHITEHOUSE, WALTER M, ANN ARBOR, MICHIGAN. Demonstration project on the earlier detection of breast cancer.
- NO1CN-45050-00 (** NELSON, ARTHUR J, NEW YORK, NEW YORK. Cancer training programs for physical and/or occupational therapists.
- NO1CN-45051-00 (** HEALEY, JOHN E, JR, HOUSTON, TEXAS. Cancer training programs for physical and occupational therapists.
- NO1CN-45052-00 (** ROBBINS, GUY F, NEW YORK, NEW YORK. Demonstration of cancer rehabilitation facilities and/or departments.
- NO1CN-45054-00 (** MARCHANT, DOUGLAS, BOSTON, MASSACHUSETTS. Prototype network demonstration project in breast cancer.
- NO1CN-45055-00 (** ENGSTROM, PAUL F, PHILADELPHIA, PENNSYLVANIA. Prototype network demonstration project in breast cancer.
- NO1CN-45057-00 (** LAUGHLIN, JOHN S, NEW YORK, NEW YORK. Cancer control radiologic physics centers.
- NO1CN-45058-00 (** ISARD, HAROLD J, PHILADELPHIA, PENNSYLVANIA. Breast cancer detection demonstration project.
- NO1CN-45059-00 (** CHRISTOPHERSON, WILLIAM M, LOUISVILLE, KENTUCKY. A critical evaluation of mass screening for uterine cancer (human).
- NO1CN-45062-00 (** ABERNATHY, MARGARET R, WASHINGTON, DISTRICT OF COLUMBIA. Early detection of breast cancer (human).
- NO1CN-45064-00 (** LESTER, RICHARD G, DURHAM, NORTH CAROLINA. Breast cancer detection demonstration project (human).
- NO1CN-45065-00 (** FISHER, BERNARD, PITTSBURGH, PENNSYLVANIA. Demonstration project on the earlier detection of breast cancer.
- NO1CN-45066-00 (** HURST, GEORGE A, TYLER, TEXAS. Tyler asbestos workers study.
- NO1CN-45067-00 (** YOUNG, DONALD C, DES MOINES, IOWA. Breast cancer detection demonstration project.
- NO1CN-45068-00 (** SCHWETZTER, ROBERT J, OAKLAND, CALIFORNIA. Breast cancer detection demonstration project (human).
- NO1CN-45071-00 (** JORDON, SCOTT W, ALBUQUERQUE, NEW MEXICO. Cytology demonstration project for a Southwestern American Indian population.
- NO1CN-45073-00 (** MIBAND, EDWIN A, BUFFALO, NEW YORK. Evaluation of the telephone cancer public information system-CAN DIAL.
- NO1CN-45074-00 (** CHRISTINE, BARBARA, HARTFORD, CONNECTICUT. Expansion Connecticut's cervical cancer screening program.
- NO1CN-45076-00 (** ISBISTER, JOHN L, LANSING, MICHIGAN. Cervical cancer screening program (human).

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- NO1CN-45077-00 (**)** SMITH, JAMES W, OKLAHOMA CITY, OKLAHOMA. Expansion of Oklahoma's cervical cancer screening program.
- NO1CN-45078-00 (**)** YERWOOD, C R, AUSTIN, TEXAS. Cervical cancer screening program (human).
- NO1CN-45079-00 (**)** MACKENZIE, AILEEN L, COLUMBUS, OHIO. Ohio Department of Health cervical cancer screening program.
- NO1CN-45080-00 (**)** BRICKMAN, ISADORE D, NEW ORLEANS, LOUISIANA. Louisiana state cervical cancer screening program.
- NO1CN-45081-00 (**)** GRANT, ROBERT S, LINCOLN, NEBRASKA. Nebraska state cervical cancer screening program.
- NO1CN-45083-00 (**)** HERNANDEZ, C, FRANKFORT, KENTUCKY. Expansion of Kentucky cervical cancer screening program.
- NO1CN-45084-00 (**)** TO BE NAMED, COLUMBIA, SOUTH CAROLINA. Expansion of South Carolina's cervical cancer screening program.
- NO1CN-45085-00 (**)** TRAHUE, M D, NASHVILLE, TENNESSEE. Establishing a Tennessee cervical cancer screening program.
- NO1CN-45084-00 (**)** NOT APPLICABLE, JACKSON, MISSISSIPPI. Expansion Mississippi's cervical cancer screening program.
- NO1CN-45088-00 (**)** GOODMAN, MORTON J, PORTLAND, OREGON. Breast cancer detection demonstration project (human).
- NO1CN-45091-00 (**)** GREENWALD, PETER, ALBANY, NEW YORK. Expansion of New York's cervical cancer screening program.
- NO1CN-45092-01 (**)** KAUFMAN, RAYMOND H, HOUSTON, TEXAS. Genital tract anomalies and cancer in offspring exposed in utero to estrogens.
- NO1CN-45093-00 (**)** TO BE ASSIGNED, WASHINGTON, DISTRICT OF COLUMBIA. Curricular guidelines for cancer education in dental school.
- NO1CN-45095-00 (**)** RODES, NED D, COLUMBIA, MISSOURI. Breast cancer detection demonstration project (human).
- NO1CN-45096-00 (**)** CONSTANTINE, HERBERT P, PROVIDENCE, RHODE ISLAND. Breast cancer detection demonstration project (human).
- NO1CN-45098-00 (**)** GUISS, LEWIS W, LOS ANGELES, CALIFORNIA. Early detection of breast cancer (human).
- NO1CN-45101-00 (**)** SCHAAF, NORMAN G, BUFFALO, NEW YORK. Training programs for maxillofacial prosthodontists and dental technicians.
- NO1CN-45102-00 (**)** MC GARITY, WILLIAM C, ATLANTA, GEORGIA. Enterostomal therapy education program.
- NO1CN-45103-00 (**)** PARISH, HERMAN S, CHEYENNE, WYOMING. Cervical cancer screening program (human).
- NO1CN-45104-00 (**)** LEAHY, ROBERT H, OLYMPIA, WASHINGTON. Planning for a cervical cancer screening program.
- NO1CN-45105-00 (**)** FINKELSTEIN, SIDNEY, MINNEAPOLIS, MINNESOTA. Planning for a cervical cancer screening program.
- NO1CN-45106-00 (**)** FASAL, ELFRIDE, SACRAMENTO, CALIFORNIA. Planning for a cervical cancer screening center.
- NO1CN-45107-00 (**)** LEADLEY, PETER J, AUGUSTA, MAINE. Planning for a cervical cancer screening program.
- NO1CN-45100-00 (**)** SPRATT, JOHN S, COLUMBIA, MISSOURI. Planning for a cervical cancer screening program.
- NO1CN-45109-00 (**)** DANDROY, SUZANNE, PHOENIX, ARIZONA. Planning for a cervical cancer screening center.
- NO1CN-45110-00 (**)** TO BE NAMED, CARSON CITY, NEVADA. Planning for a cervical cancer screening program.
- NO1CN-45111-00 (**)** HILKEMEYER, RENILDA, HOUSTON, TEXAS. Enterostomal therapy education program.
- NO1CN-45112-00 (**)** CONWAY, MARY E, BOSTON, MASSACHUSETTS. Enterostomal therapy education program.
- NO1CN-45113-00 (**)** ADISMAN, I KENNETH, NEW YORK, NEW YORK. Training programs for maxillofacial prosthodontists and dental technicians.
- NO1CN-45114-00 (**)** DRANE, JOE B, HOUSTON, TEXAS. Training programs for maxillofacial prosthodontists and maxillofacial technicians.
- NO1CN-45115-00 (**)** KOLTHOFF, NORMA J, MADISON, WISCONSIN. Oncology nursing program in cancer centers.
- NO1CN-45116-00 (**)** JOHNSON, FORD, BALA CYNWYD, PENNSYLVANIA. Identification of education material resources for cancer control.
- NO1CN-45117-00 (**)** SEPFERT, GERALD, ROCKVILLE, MARYLAND. A survey of cancer control law.
- NO1CN-45118-00 (**)** LAU, THOMAS K, HONOLULU, HAWAII. Integrated cancer rehabilitation services.
- NO1CN-45119-00 (**)** REILLY, C J, SCHENECTADY, NEW YORK. Integrated cancer rehabilitation services (human).
- NO1CN-45120-00 (**)** BEAHR, OLIVER H, ROCHESTER, MINNESOTA. Demonstration of cancer rehabilitation facilities and/or departments (human).
- NO1CN-45121-00 (**)** GOSSMAN, MARILYN, BIRMINGHAM, ALABAMA. Cancer training programs for physical or occupational therapists.
- NO1CN-45122-00 (**)** TOWNSEND, DUANE E, LOS ANGELES, CALIFORNIA. Incidence and natural history of genital tract anomalies and cancer.
- NO1CN-45123-00 (**)** BROWN, MARY, NEW YORK, NEW YORK. Oncology nursing programs in cancer centers.
- NO1CN-45124-03 (**)** DECKER, DAVID G, ROCHESTER, MINNESOTA. Genital tract anomalies and cancer in fetus to synthetic estrogens (human).
- NO1CN-45125-00 (**)** SMIDT, GARY L, IOWA CITY, IOWA. Cancer training programs for physical or occupational therapists.
- NO1CN-45126-01 (**)** SUTNICK, A I, FOX CHASE, PENNSYLVANIA. Demonstration of cancer rehabilitation facilities and/or departments (human).
- NO1CN-45127-01 (**)** HILKEMEYER, RENILDA, HOUSTON, TEXAS. Oncology nursing programs in cancer centers.
- NO1CN-45128-01 (**)** FRITZ, EDNA L, COLUMBUS, OHIO. Oncology nursing programs in cancer centers.
- NO1CN-45129-00 (**)** MADDOX, WILLIAM A, BIRMINGHAM, ALABAMA. Prototype network demonstration project in breast cancer.
- NO1CN-45130-00 (**)** BRANDENBURG, JAMES M, MADISON, WISCONSIN. Demonstration project for head and neck cancer (human).
- NO1CN-45132-00 (**)** SISSON, GEORGE A, EVANSTON, ILLINOIS. Demonstration project for head and neck cancer.
- NO1CN-45133-01 (**)** HELM, PHALA A, DALLAS, TEXAS. Demonstration of cancer rehabilitation facilities and/or department (human).
- NO1CN-45134-00 (**)** GONNELLA, CARMILLA, ATLANTA, GEORGIA. Effectiveness of cancer rehabilitation systems.
- NO1CN-45135-00 (**)** WRIGHT, CHARLOTTE C, WATERBURY, CONNECTICUT. Oncology nursing programs in community hospitals.
- NO1CN-45136-00 (**)** SCHUMACHER, SANFORD P, VALENCIA, PENNSYLVANIA. Effectiveness of cancer rehabilitation systems.
- NO1CN-45137-00 (**)** HUMPHREY, BEENETT G, OKLAHOMA CITY, OKLAHOMA. Prototype network demonstration project in breast cancer.
- NO1CN-45138-00 (**)** DIERS, DONNA, NEW HAVEN, CONNECTICUT. Oncology nursing programs in medical centers.
- NO1CN-45139-00 (**)** CARTER, ANNE C, ALBANY, NEW YORK. Prototype network demonstration project in breast cancer.
- NO1CN-45140-00 (**)** SPONZO, ROBERT W, ALBANY, NEW YORK. Demonstration project in breast cancer.
- NO1CN-45141-00 (**)** WALTON, MINNIE H, SALT LAKE CITY, UTAH. Oncology nursing programs in medical centers.
- NO1CN-45143-00 (**)** VAETH, JEROME M, SAN FRANCISCO, CALIFORNIA. Prototype network demonstration in breast cancer.
- NO1CN-45144-00 (**)** MELLETTE, SUSAN J, RICHMOND, VIRGINIA. Rehabilitation and continuing care.
- NO1CN-45145-00 (**)** POSTER, ROGER S, BURLINGTON, VERMONT. Prototype network demonstration project in breast cancer.
- NO1CN-45146-00 (**)** MAURER, LLOYD H, HANOVER, NEW HAMPSHIRE. Prototype network demonstration project in breast cancer.
- NO1CN-45148-00 (**)** SHRIVASTAVA, P N, PITTSBURGH, PENNSYLVANIA. Cancer control radiologic physics center.
- NO1CN-45149-00 (**)** MOORE, CONDUCT, LOUISVILLE, KENTUCKY. Network demonstration project in breast cancer.
- NO1CN-45150-00 (**)** SHALEK, ROBERT S, HOUSTON, TEXAS. Cancer control radiologic physics centers.
- NO1CN-45151-00 (**)** WHITNEY, LESLIE W, WILMINGTON, DELAWARE. Prototype network demonstration project in breast cancer.
- NO1CN-45152-00 (**)** CAMERON, JOHN R, MADISON, WISCONSIN. Cancer control physics center.
- NO1CN-45153-01 (**)** TO BE RECRUITED, HONOLULU, HAWAII. Oncology nursing programs in community hospitals.
- NO1CN-45154-00 (**)** LORE, J M, ALBANY, NEW YORK. Comprehensive network demonstration project for head and neck cancer.
- NO1CN-45155-00 (**)** SHEED, DONALD P, BUFFALO, NEW YORK. Demonstration project for head and neck cancer (human).
- NO1CN-45157-00 (**)** HERBST, ARTHUR L, BOSTON, MASSACHUSETTS. Genital tract anomalies in humans exposed in utero to synthetic estrogens.
- NO1CN-45158-00 (**)** WOOTON, PETER B, SEATTLE, WASHINGTON. Cancer control radiologic physics centers.
- NO1CN-45159-00 (**)** HENDRICKSON, FRANK R, CHICAGO, ILLINOIS. Demonstration project for head and neck cancer.
- NO1CN-45160-00 (**)** HENDEE, WILLIAM R, DENVER, COLORADO. Cancer control radiologic physics centers.
- NO1CN-45161-00 (**)** SCHEINOK, PERRY A, PHILADELPHIA, PENNSYLVANIA. Data management center for the breast cancer demonstration projects.
- NO1CN-45162-00 (**)** MEURK, MARY L, NEW YORK, NEW YORK. Coordinating committee for cancer control radiologic physics center.
- NO1CO-25423-14 (**)** STEVENSON, ROBERT E, BETHESDA, MARYLAND. Operation and maintenance of the Frederick Cancer Research Center.
- NO1CO-35407-03 (**)** SHARP, EDWARD G, MC LEAN, VIRGINIA. National cancer program management systems requirements.
- NO1CO-45056-00 (**)** TALBOT, TIMOTHY R, COLUMBIA, MISSOURI. Development of administrative and fiscal profiles for cancer institutes.
- NO1CO-45404-00 (**)** WEBSTER, CAROL, BALA CYNWYD, PENNSYLVANIA. Publication of cancer committee books.
- NO1CO-45408-00 (**)** FRANKEL, MICHAEL L, MC LEAN, VIRGINIA. National cancer program-management information system.
- NO1CO-45414-00 (**)** DELAFRESNAYE, J F, GENEVA, SWITZERLAND. Liaison services in support of NCI international programs.
- NO1CO-45417-00 (**)** MORFIT, M MASON, DENVER, COLORADO. Preliminary planning for a cancer access information system for the Denver region.
- NO1CO-45419-00 (**)** BARRETT, JEANNIE, ROCKVILLE, MARYLAND. Technical writing services in support of cancer related public inquiries.
- NO1CO-45422-00 (**)** GARIN, A M, GENEVA, SWITZERLAND. International conference for anti-tumor drugs.
- NO1CO-45425-01 (**)** STAHLMAN, WILLIAM K, MCLEAN, VIRGINIA. Resources analysis and planning for NCI.
- NO1CP-02024-11 (**)** RAPP, FRED, UNIVERSITY PARK, PENNSYLVANIA. Study oncogenic potential of defective viruses (human, mice, hamsters).
- NO1CP-02068-09 (**)** HOUSEWRIGHT, RILEY D, BETHESDA, MARYLAND. Viruses and chemicals in the etiology of cancer (rodents, dogs, cats, human).
- NO1CP-02076-14 (**)** TULINIUS, HIRAFN, LYON, FRANCE. Sero-epidemiological studies on nasopharyngeal carcinoma (human).
- NO1CP-02199-08 (**)** MADISON, R, BETHESDA, MARYLAND. Services in support of carcinogenesis bioassays (rodents).
- NO1CP-02210-08 (**)** BURCHFIELD, H P, BATON ROUGE, LOUISIANA. Carcinogenesis bioassay of pesticides (mice, rats).
- NO1CP-02217-04 (**)** SACHS, LEO, REHOVOTH, ISRAEL. Aspects of enzyme induction relative to lung cancer (human, hamsters, mice).

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- NO1CP-12020-05** (**) VAN DUUREN, BENJAMIN L, NEW YORK, NEW YORK. Study of alkylating agents as carcinogens (rats, mice).
- NO1CP-12050-05** (**) ZELMAN, CARL W, ROCKVILLE, MARYLAND. OCR processing of Third National Cancer Survey.
- NO1CP-12059-11** (**) HILLEMANN, MAURICE M, RAHWAY, NEW JERSEY. Research on oncogenic viruses, virus production and vaccine development.
- NO1CP-12148-03** (**) MOHR, ULRICH, RODEBRUCHSTR 101, WEST GERMANY. Develop lung tumor model with large wild hamsters.
- NO1CP-12164-00** (**) CASTO, BRUCE C, PRAIRIE VIEW, ILLINOIS. Interaction between chemical and viral carcinogens (hamsters).
- NO1CP-12166-07** (**) COLE, LEONARD J, MEMLO PARK, CALIFORNIA. Study chemical carcinogens and other chemicals (rats).
- NO1CP-12310-06** (**) WYNDER, ERNEST L, NEW YORK, NEW YORK. Colon carcinogenesis (rodents).
- NO1CP-12324-04** (**) STRONG, JACK P, NEW ORLEANS, LOUISIANA. Premalignant lesions in the large intestine.
- NO1CP-22006-06** (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman).
- NO1CP-22020-04** (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Cell biology facilities and tumor immunology (human, mammals nonhuman).
- NO1CP-22022-05** (**) HEIDELBERGER, CHARLES, MADISON, WISCONSIN. Induce neoplasia in vivo and in vitro (mice, rats).
- NO1CP-22046-02** (**) REISFELD, RALPH A, LA JOLLA, CALIFORNIA. Isolation and chemical characterization of specific antigens (human, goats).
- NO1CP-22047-02** (**) YOHN, DAVID S, COLUMBUS, OHIO. Interaction between chemical and viral carcinogens (human, hamsters).
- NO1CP-22063-03** (**) KINGSBURY, ELIZABETH W, BETHESDA, MARYLAND. Preparation and examination of experimental biological material (rats).
- NO1CP-22064-02** (**) WILKOFF, LEE, BIRMINGHAM, ALABAMA. Organ culture assay of vitamin A analogs (mice, chickens).
- NO1CP-22068-04** (**) GOODHEART, CLYDE R, PRAIRIE VIEW, ILLINOIS. Develop methods of producing purified oncogenic herpes viruses (rabbit, hamster).
- NO1CP-23205-02** (**) DRAY, SHELDON, CHICAGO, ILLINOIS. Research on the transfer of tumor immunity (monkeys, guinea pigs).
- NO1CP-23206-02** (**) TRUMP, BENJAMIN F, COLLEGE PARK, MARYLAND. Histogenesis of renal carcinoma (human, mammals).
- NO1CP-23213-03** (**) SEGI, MITSUO, CHIKUSA-KU, NAGOYA, JAPAN. Shifts in cancer risks among Japanese migrants.
- NO1CP-23221-02** (**) MACKANESS, GEORGE B, SARANAC LAKE, NEW YORK. Mycobacteria as inhibitors of tumor cell growth (mammals).
- NO1CP-23233-03** (**) SACCOMANNO, GIBNO, GRAND JUNCTION, COLO. Morphogenesis of lung cancer (human, hamsters).
- NO1CP-23234-02** (**) WEINSTEIN, BERNARD, NEW YORK, NEW YORK. Development of a tissue culture transformation system (rats).
- NO1CP-23237-02** (**) KEYDAR, JAJA, TEL-AVIV, ISRAEL. B-type particles from human milk in Israel.
- NO1CP-23238-03** (**) MASON, MARCUS M, WORCESTER, MASSACHUSETTS. Effects of uptake and excretion of carcinogens on the prostate (rats, dogs).
- NO1CP-23243-03** (**) VAN VUNAKIS, HELEN, WALTHAM, MASSACHUSETTS. Production and detection of antibodies to carcinogens (human, rabbits).
- NO1CP-23245-02** (**) HALPERN, B DAVID, WARRINGTON, PENNSYLVANIA. Optimizing electrophoretic separation of proteins with new hydrogels (human).
- NO1CP-23249-06** (**) LEMP, JOHN F, JR, BETHESDA, MARYLAND. Production of oncogenic or potentially oncogenic viruses.
- NO1CP-23252-04** (**) ULLAND, BORGE M, ROCKVILLE, MARYLAND. Carcinogenic bioassay of environmental chemicals (mice, rats).
- NO1CP-23253-01** (**) DUNNING, WILHELMINA F, MIAMI, FLORIDA. Carcinogenesis bioassay of environmental chemicals (rats).
- NO1CP-23255-03** (**) MASON, MARCUS M, WORCESTER, MASSACHUSETTS. Carcinogenic bioassay of environmental chemicals (rats, mice).
- NO1CP-23266-03** (**) MC CLURE, PETER D, TORONTO, CANADA. Collection of blood specimens and solid-tumor materials (human).
- NO1CP-23268-01** (**) ROTH, JAY S, STORRS, CONNECTICUT. New methods for isolating non-histone proteins (rats).
- NO1CP-23270-04** (**) HUBBARD, H M, KANSAS CITY, MISSOURI. Analytical chemistry resource.
- NO1CP-23278-04** (**) WEATHERHOLTZ, WILLARD M, VIENNA, VIRGINIA. Bioassay of environmental chemicals.
- NO1CP-23284-03** (**) EPSTEIN, SAMUEL S, CLEVELAND, OHIO. Enhanced induction of guinea pig pancreatic adenocarcinoma.
- NO1CP-23286-03** (**) D'ANGIO, GIULIO J, NEW YORK, NEW YORK. Study of late effects of cancer therapy.
- NO1CP-23287-02** (**) KERBER, WILLIAM T, VIENNA, VIRGINIA. Induction of adenocarcinoma of the prostate.
- NO1CP-23292-02** (**) PORT, CURTIS D, CHICAGO, ILLINOIS. Modulating factors in respiratory carcinogenesis (animals).
- NO1CP-23293-03** (**) ASH, ARTHUR B, DETROIT, MICHIGAN. Synthesis of purine and pyrimidine nucleotides.
- NO1CP-23297-03** (**) ELKORT, RICHARD J, BOSTON, MASSACHUSETTS. Carcinogenesis of the pancreas (dogs, rabbits).
- NO1CP-23299-01** (**) RICEMAN, WILLIAM M, JR, ROCKVILLE, MARYLAND. Provide animal holding facilities and services.
- NO1CP-23302-06** (**) TIDWELL, DALTON, RIVERDALE, MARYLAND. Carcinogenesis bioassay data system support.
- NO1CP-23303-04** (**) DI MAYORCA, GIAMPIERO, CHICAGO, ILLINOIS. Temperature sensitive mutants in vitro carcinogenesis.
- NO1CP-33200-03** (**) CLARK, WALLACE H, JR, PHILADELPHIA, PENNSYLVANIA. Induction of malignant melanomas in guinea pigs.
- NO1CP-33201-01** (**) ADKINS, HARRY F, ROCKVILLE, MARYLAND. Maintenance of low-temperature repository for cell lines from human tumors.
- NO1CP-33202-01** (**) MATTHEIS, E BINGHAM, CINCINNATI, OHIO. Carcinogenic properties of industrial chemicals (hamsters, mice).
- NO1CP-33204-02** (**) OLDSTONE, MICHAEL B, LA JOLLA, CALIFORNIA. Immunopathologic study of leukemia (human, mice).
- NO1CP-33205-01** (**) FRANKEL, JACK W, ST PETERSBURG, FLORIDA. Study Marek's disease Herpes virus.
- NO1CP-33210-01** (**) FARROW, WENDALL, ST PETERSBURG, FLORIDA. Production and maintenance of germfree animals.
- NO1CP-33211-02** (**) WU, ALAM M, BETHESDA, MARYLAND. Molecular events in transformation by RNA oncogenic viruses (human, animals).
- NO1CP-33212-04** (**) GOOD, ROBERT, VIENNA, VIRGINIA. Viruses and experimental oncogenes and human cancer (animals).
- NO1CP-33214-03** (**) GRISWOLD, DANIEL P, BIRMINGHAM, ALABAMA. Carcinogenicity of chemotherapeutic agents and related chemicals (rats, mice).
- NO1CP-33215-01** (**) FRIEDMAN, GARY D, OAKLAND, CALIFORNIA. Epidemiologic study of colon cancer in blacks.
- NO1CP-33216-01** (**) STEMMERMAN, GRANT N, HONOLULU, HAWAII. Japan-Hawaii cancer study.
- NO1CP-33218-02** (**) MEYERS, PAUL, MIAMI, FLORIDA. Cellular immunity in breast cancer (mice).
- NO1CP-33219-01** (**) DEINHARDT, FRIEDRICH W, CHICAGO, ILLINOIS. Study of tumor viruses in primates.
- NO1CP-33220-01** (**) URIEL, LITTAUER, REHOVOT, ISRAEL. Alteration in translation of genetic messages by viruses and carcinogens.
- NO1CP-33221-01** (**) LUGENBUHL, ROY E, STORRS, CONNECTICUT. Maintenance of pathogen-free white leghorn chickens.
- NO1CP-33222-03** (**) BERNSTEIN, EUGENE H, HIGHLAND PARK, NEW JERSEY. Production of avian and mammalian oncogenic viruses and antisera.
- NO1CP-33223-02** (**) WILSNACK, ROOBER E, BALTIMORE, MARYLAND. Preparation of antisera against oncogenic viral antigens.
- NO1CP-33224-01** (**) ZARAPONETIS, CHRIS J, ANN ARBOR, MICHIGAN. Collection of human specimens for virologic and immunologic studies.
- NO1CP-33225-04** (**) OLSON, WILLIAM A, VIENNA, VIRGINIA. Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents).
- NO1CP-33226-02** (**) BRENNAN, MICHAEL J, DETROIT, MICHIGAN. Laser light scattering studies on nucleic acids, nucleoproteins and viruses.
- NO1CP-33229-03** (**) FURST, ARTHUR, SAN FRANCISCO, CALIFORNIA. Study carcinogenicity of heavy metals (rats).
- NO1CP-33231-04** (**) FISKE, M D, SCENECTADY, NEW YORK. Applied electrical and optical technology in oncology.
- NO1CP-33232-04** (**) SHINKIN, MICHAEL B, LA JOLLA, CALIFORNIA. Pulmonary tumors in mice for carcinogenic bioassay.
- NO1CP-33234-04** (**) MAYYASI, S A, MAYWOOD, NEW JERSEY. Production of viruses and human-virus cancer cell lines.
- NO1CP-33235-02** (**) MC COLLUM, ROBERT W, NEW HAVEN, CONNECTICUT. Establish Connecticut cancer epidemiology program.
- NO1CP-33236-01** (**) STORB, RAINER, SEATTLE, WASHINGTON. Immunological and transplantation studies on dogs with cancer.
- NO1CP-33237-02** (**) MADIN, STEWART H, BERKELEY, CALIFORNIA. Cell culture laboratory and associated research in viral oncology.
- NO1CP-33238-02** (**) ROGERS, ADRIANNE E, CAMBRIDGE, MASSACHUSETTS. Interactions between diet and chemical carcinogenesis (rats).
- NO1CP-33239-02** (**) AHMED, MAUMTAZ, MAYWOOD, NEW JERSEY. Virological studies of breast cancer (human, mammals).
- NO1CP-33241-02** (**) VAN DUUREN, BENJAMIN L, NEW YORK, NEW YORK. Carcinogenesis principles of processed tobacco and tobacco smoke (human, mammals).
- NO1CP-33242-02** (**) KAWAKAMI, THOMAS G, DAVIS, CALIFORNIA. Comparative leukemia and sarcoma virus studies (human, monkeys, gibbons).
- NO1CP-33243-03** (**) HENKE, C B, MIDLAND, MICHIGAN. Research and development of biohazards control.
- NO1CP-33245-01** (**) KAIZER, H, BALTIMORE, MARYLAND. Pediatric Tumor Resource.
- NO1CP-33246-02** (**) THOMPSON, DONOVAN J, SEATTLE, WASHINGTON. Center for epidemiologic investigation of cancer.
- NO1CP-33247-04** (**) GILDEN, RAYMOND, ROCKVILLE, MARYLAND. Oncogenesis of herpesvirus and C-type viruses (human, mammals nonhuman).
- NO1CP-33248-02** (**) NIMS, ROBERT M, BETHESDA, MARYLAND. Immunoprevention of spontaneously occurring neoplasms.
- NO1CP-33249-02** (**) LILLY, FRANK, BRONX, NEW YORK. Immunological and genetic factors in viral leukemogenesis (mice).
- NO1CP-33250-03** (**) GIRARDI, ANTHONY, PHILADELPHIA, PENNSYLVANIA. Isolation and characterization of transplantation antigens (human, hamsters).
- NO1CP-33253-01** (**) CARDIFF, ROBERT D, DAVIS, CALIFORNIA. In vitro cultivation of human and mouse mammary tumor viruses.
- NO1CP-33254-03** (**) LAKE, WILLIAM, ROCKVILLE, MARYLAND. Computing services for Third National Cancer Survey.
- NO1CP-33255-02** (**) MIEIER, HANS, BAR HARBOR, MAINE. Natural occurrence of RNA tumor viruses-genomes (mice).
- NO1CP-33257-03** (**) MELNICK, JOSEPH L, HOUSTON, TEXAS. Viral etiology of human malignancies (monkeys).
- NO1CP-33258-02** (**) SPIEGELMAN, SOL, NEW YORK, NEW YORK. Replication of oncogenic RNA viruses and relation to human cancer.
- NO1CP-33259-03** (**) LAKE, WILLIAM, RIVERDALE, MARYLAND. Biomedical computing services in clinical and diagnostic trials program.
- NO1CP-33260-04** (**) KUSCHNER, MARVIN, NEW YORK, NEW YORK. Studies on pulmonary carcinogenesis (rats, hamsters).
- NO1CP-33261-02** (**) LEE, RICHARD K, HONOLULU, HAWAII. Demographic cancer research and training in Hawaii.
- NO1CP-33262-01** (**) FARBER, EMMANUEL, PHILADELPHIA, PENNSYLVANIA. Biochemical and morphological components of hepatic carcinogenesis.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1CP-33264-01** (***) ZAMCHECK, NORMAN, BOSTON, MASSACHUSETTS. Carcinoembryonic antigens in humans.
- NO1CP-33265-02** (***) ALLEN, DAVID W, CAMBRIDGE, MASSACHUSETTS. Studies on avian virus proteins.
- NO1CP-33266-02** (***) KAPADIA, GOVIND J, WASHINGTON, DISTRICT OF COLUMBIA. Investigation of potential carcinogens from plants.
- NO1CP-33271-01** (***) FISHER, LESTER E, CHICAGO, ILLINOIS. Maintain a marmoset breeding colony.
- NO1CP-33272-01** (***) HENLE, GERTRUDE, PHILADELPHIA, PENNSYLVANIA. Propagation and seroepidemiology of EB virus.
- NO1CP-33273-01** (***) LITTLE, JOHN B, CAMBRIDGE, MASSACHUSETTS. Factor influencing experimental respiratory carcinogenesis (mammals nonhuman).
- NO1CP-33276-02** (***) LEVIN, EPHRAIM Y, BALTIMORE, MARYLAND. Studies of heme moiety of P-450 (mice).
- NO1CP-33279-01** (***) BASILICO, CLAUDIO, NEW YORK, NEW YORK. Isolate, propagate and store mutant vertebrate cells (mice).
- NO1CP-33283-02** (***) BALUDA, M A, LOS ANGELES, CALIFORNIA. Search for hybridizable tumor virus DNA in tissues from cancer patients.
- NO1CP-33284-04** (***) THAYER, PHILIP A, CAMBRIDGE, MASSACHUSETTS. Bioassay of the cytotoxicity of cigarette smoke (mammals nonhuman).
- NO1CP-33285-03** (***) MC GEE, ARTHUR A, MENLO PARK, CALIFORNIA. Selection and ranking of environmental chemicals.
- NO1CP-33286-01** (***) CUBELLO, CARLOS, CALI, COLOMBIA. Geographic pathology and epidemiology of cancer in Cali, Colombia.
- NO1CP-33287-01** (***) VESSELINOVITCH, STAN D, CHICAGO, ILLINOIS. Definition of sensitivity of carcinogenesis bioassay systems (mice).
- NO1CP-33288-02** (***) PARKER, JOHN C, BETHESDA, MARYLAND. Virus typing and diagnostic reagents.
- NO1CP-33290-01** (***) ITO, YOMEI, NAGOYA, JAPAN. Immunologic and epidemiologic studies on Japanese patients with cancer.
- NO1CP-33291-01** (***) BEARD, JOSEPH W, ST PETERSBURG, FLORIDA. Production of avian leucosis viruses.
- NO1CP-33293-03** (***) BISHOP, JOHN M, SAN FRANCISCO, CALIFORNIA. Study role of virion-associated DNA polymerase.
- NO1CP-33296-02** (***) STOCKHAM, JOHN, CHICAGO, ILLINOIS. Particulate materials for respiratory carcinogenesis.
- NO1CP-33301-01** (***) HERSH, EVAN M, HOUSTON, TEXAS. Establish human immunity to Rauscher leukemia virus.
- NO1CP-33304-03** (***) DMOCZOWSKI, LEON, HOUSTON, TEXAS. Relationship of viruses to human leukemia, lymphoma and breast cancer.
- NO1CP-33305-02** (***) WYNDEB, ERNEST L, NEW YORK, NEW YORK. Evaluation of carcinogenic agents (mice).
- NO1CP-33306-01** (***) HANAFUSA, HIDESABURO, NEW YORK, NEW YORK. Evaluation of methods for isolation of virus from human neoplasia.
- NO1CP-33307-01** (***) WARKANY, JOSEF, CINCINNATI, OHIO. Etiology of medulloblastoma and other brain tumors (mice, rats).
- NO1CP-33308-02** (***) BOLOGNESI, DANI P, DURHAM, NORTH CAROLINA. Expression of the RNA tumor virus genome in malignant cells (human, mammals).
- NO1CP-33310-02** (***) BECKER, YECHIEL, JERUSALEM, ISRAEL. Herpesvirus and its role in human cancer.
- NO1CP-33311-02** (***) AUGUST, J THOMAS, BRONX, NEW YORK. Molecular basis of viral carcinogenesis (chick embryo, human, mammals).
- NO1CP-33313-01** (***) SNYDERMAN, RALPH, DURHAM, NORTH CAROLINA. Response of peripheral blood monocytes to chemotactic factors.
- NO1CP-33314-01** (***) TARRO, GIULIO, NAPLES, ITALY. Role of herpes simplex virus in human malignancies.
- NO1CP-33315-01** (***) TANNENBAUM, STEVEN, CAMBRIDGE, MASSACHUSETTS. Environmental occurrence of N-nitroso compounds.
- NO1CP-33316-01** (***) NOT APPLICABLE, STOCKHOLM, SWEDEN. Herpes-type virus in etiology of human cancer.
- NO1CP-33321-01** (***) BLACK, MAURICE M, NEW YORK, NEW YORK. Study on breast lesions (human).
- NO1CP-33323-01** (***) SCHUMAN, LEONARD M, MINNEAPOLIS, MINNESOTA. Conducting cancer mortality studies.
- NO1CP-33326-03** (***) COLE, PHILIP, CAMBRIDGE, MASSACHUSETTS. Epidemiology and etiology of breast cancer.
- NO1CP-33327-01** (***) BLASHOFF, ROBERT M, SAN FRANCISCO, CALIFORNIA. Group testing for screening carcinogens (mammals nonhuman).
- NO1CP-33332-01** (***) TOMKINS, GORDON M, SAN FRANCISCO, CALIFORNIA. Hormonal control of gene expression (mammals nonhuman).
- NO1CP-33333-02** (***) STULBERG, CYRIL S, DETROIT, MICHIGAN. Identification of cancer cell in vitro.
- NO1CP-33334-01** (***) MOORE, W E, BLACKSBURG, VIRGINIA. Comparative fecal flora studies (human).
- NO1CP-33335-01** (***) HENTGES, DAVID J, COLUMBIA, MISSOURI. High meat diet and bacterial flora and chemical components of feces.
- NO1CP-33336-01** (***) PAGANO, JOSEPH S, CHAPEL HILL, NORTH CAROLINA. Molecular biology of EB virus and related herpes viruses in human malignancies.
- NO1CP-33337-01** (***) ANDERSON, PAUL, BALTIMORE, MARYLAND. Antitumor reactivity in patients with leukemia and lymphoma.
- NO1CP-33339-02** (***) MOORE, DAN H, CAMDEN, NEW JERSEY. Human milk and mammary tumors (chickens).
- NO1CP-33340-01** (***) KALTER, SEYMOUR S, SAN ANTONIO, TEXAS. Maintenance of a chimpanzee colony.
- NO1CP-33342-02** (***) GOLDBLUM, NATAN, JERUSALEM, ISRAEL. Multidisciplinary study of Hodgkin's disease (human).
- NO1CP-33343-01** (***) MC CLURE, HAROLD M, ATLANTA, GEORGIA. Maintenance of an irradiated monkey colony.
- NO1CP-33344-03** (***) KEY, CHARLES R, ALBUQUERQUE, NEW MEXICO. Develop population based cancer registry.
- NO1CP-33345-01** (***) AURELIAN, LAURE, BALTIMORE, MARYLAND. Herpesvirus antigens and virions in human cervix carcinoma.
- NO1CP-33346-02** (***) RICKARD, CHARLES G, ITHACA, NEW YORK. Leukemia studies in the cat (and dogs).
- NO1CP-33347-05** (***) BRENNAN, MICHAEL J, DETROIT, MICHIGAN. High risk breast cancer families (human).
- NO1CP-33348-02** (***) BALTIMORE, DAVID, CAMBRIDGE, MASSACHUSETTS. Study the leukemia virus DNA polymerase.
- NO1CP-33350-01** (***) BARCLAY, T H C, REGINA, SASKATCHEWAN, CANADA. Data on cancer incidence and prevalence.
- NO1CP-33351-01** (***) STEINITZ, RUTH, JERUSALEM, ISRAEL. Cancer incidence study and registry assessment.
- NO1CP-33352-01** (***) DIXON, FRANK J, LA JOLLA, CALIFORNIA. Immunologic study of RNA tumor (type C) viruses (mice, cats, human).
- NO1CP-33353-02** (***) DUNN, JOHN E, JR, SACRAMENTO, CALIFORNIA. Study of cancer in Japanese migrants.
- NO1CP-33355-01** (***) LEMP, JOHN F, JR, BETHESDA, MARYLAND. Purification and characterization of viruses.
- NO1CP-33357-01** (***) KERSEY, JOHN H, ST PAUL, MINNESOTA. Tumor viruses in immunological deficiency diseases (human).
- NO1CP-33358-01** (***) BOGDEN, ARTHUR E, WORCESTER, MASSACHUSETTS. Hormonal factors on induction of breast tumors (monkeys, rats, human).
- NO1CP-33359-01** (***) DOGO, GIOVANNI, PADUA, ITALY. Procuring fibroblast cultures and human tumors.
- NO1CP-33364-01** (***) WATTENBERG, LEE W, MINNEAPOLIS, MINNESOTA. Polycyclic hydrocarbon metabolism in respiratory tract.
- NO1CP-33365-02** (***) BOIRON, MICHEL, PARIS X, FRANCE. Molecular virology studies of human leukemias.
- NO1CP-33366-01** (***) ZAMECNIK, PAUL C, BOSTON, MASSACHUSETTS. Nucleic acids and proteins of the avian myeloblastosis virus.
- NO1CP-33366-01** (***) BOOT, LOURENS M, AMSTERDAM C, THE NETHERLANDS. Immunogenetic studies on breast cancer and leukemia (mice, human).
- NO1CP-33372-01** (***) HELLSTROM, KARL E, SEATTLE, WASHINGTON. Demonstrate tumor specific transplantation antigens (human, mammals nonhuman).
- NO1CP-33373-02** (***) KLEIN, EDMUND, ALBANY, NEW YORK. Application of immunotherapy to malignant diseases (human).
- NO1CP-33374-01** (***) DAOLE, G E, RICHLAND, WASHINGTON. Research on standardizing lung pellet techniques (rats).
- NO1CP-33376-02** (***) VESSELINOVITCH, STAN, CHICAGO, ILLINOIS. Enhanced delivery of chemical carcinogens.
- NO1CP-33377-02** (***) DENTON, R L, MONTREAL, CANADA. Supply blood and tissues from human leukemic controls.
- NO1CP-33379-01** (***) SHAIN, SYDNEY A, SAN ANTONIO, TEXAS. Factors of the prostate.
- NO1CP-33380-02** (***) FINEGOLD, SYDNEY M, LOS ANGELES, CALIFORNIA. Fecal flora studies.
- NO1CP-33382-02** (***) HAYWARD, A E, ROCKVILLE, MARYLAND. Tobacco research program (mice).
- NO1CP-33384-01** (***) GIBSON, DAVID T, AUSTIN, TEXAS. Microbiological synthesis of carcinogenic polycyclic hydrocarbons.
- NO1CP-33385-02** (***) HARVEY, RONALD G, CHICAGO, ILLINOIS. Synthesis of carcinogenic polycyclic hydrocarbons.
- NO1CP-33386-01** (***) WHEELER, OWEN M, SAN GERMAN, PUERTO RICO. Synthesis of carcinogenic polycyclic hydrogens.
- NO1CP-33387-02** (***) ENOLE, JAMES F, KANSAS CITY, MISSOURI. Synthesis of polycyclic hydrocarbon derivatives.
- NO1CP-33390-02** (***) MELENDEZ, L V, CAMBRIDGE, MASSACHUSETTS. Research on herpesviruses causing lymphoma in primates.
- NO1CP-33391-03** (***) TORGERSEN, JUDITH, ROCKVILLE, MARYLAND. Provide animal holding facility.
- NO1CP-33392-02** (***) CARTER, JERRY J, CAMBRIDGE, MASSACHUSETTS. Lymphoma cells and bioassay as a prescreen for carcinogens (mice).
- NO1CP-33393-02** (***) SZAKACS, JENO E, TAMPA, FLORIDA. Human sarcomas and animal viral etiology.
- NO1CP-33395-01** (***) BOSENKRANZ, HERBERT S, NEW YORK, NEW YORK. Microbial mutagenicity as a prescreen (mice).
- NO1CP-33396-02** (***) ALLEN, WILLIAM P, COVINGTON, LOUISIANA. Humoral and cellular immunity in herpes virus (primates).
- NO1CP-33398-01** (***) BLACK, MAURICE M, NEW YORK, NEW YORK. Immunologic responses of breast cancer.
- NO1CP-33400-01** (***) HATHAWAY, WILLIAM E, DENVER, COLORADO. Specimens from pediatric oncology patients and families.
- NO1CP-33402-03** (***) LEE, ANTHONY, ROCKVILLE, MARYLAND. Literature search, retrieval and compilation for PHS-149 series and indexes.
- NO1CP-33403-01** (***) SELL, STEWART, LA JOLLA, CALIFORNIA. Relation fetoglobulins to induction of hepatoma by chemical carcinogen (rodent).
- NO1CP-33404-01** (***) BINDER, RICHARD A, WASHINGTON, DISTRICT OF COLUMBIA. Blood and tissue specimens from patients with malignancies.
- NO1CP-33405-01** (***) HOLLEY, ROBERT W, SAN DIEGO, CALIFORNIA. Carcinogenesis and control of the cell cycle.
- NO1CP-43200-00** (***) ISACSON, EDWIN P, IOWA CITY, IOWA. Third National Cancer Survey.
- NO1CP-43201-00** (***) GOLD, ELI, CLEVELAND, OHIO. Mortality experience of children inoculated with SV40.
- NO1CP-43202-00** (***) ALLEN, LEROY, WASHINGTON, DISTRICT OF COLUMBIA. Atomic bomb casualty commission study.
- NO1CP-43203-00** (***) CHRISTINE, BARBARA, HARTFORD, CONNECTICUT. Cancer end results evaluation.
- NO1CP-43204-00** (***) LATOURETTE, HOWARD B, IOWA CITY, IOWA. Abstracting and coding of data on cancer cases.

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- NO1CP-43205-00 (**) ROHN, ROBERT J, BLOOMINGTON, INDIANA. Abstract and code statistical data on cancer cases.
- NO1CP-43206-00 (**) SMITH, DAVID E, CHARLOTTESVILLE, VIRGINIA. Cancer end results evaluation program.
- NO1CP-43207-00 (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation (human, cats).
- NO1CP-43208-00 (**) OETTING, HERBERT F, NEW YORK, NEW YORK. Procure human sera from defined population groups.
- NO1CP-43209-00 (**) LENNETTE, EDWIN H, SACRAMENTO, CALIFORNIA. Viruses in cancer etiology (human, mammals nonhuman).
- NO1CP-43210-00 (**) GRIMM, MELVIN L, CHICAGO, ILLINOIS. Continuation of cancer end results project.
- NO1CP-43211-02 (**) TERASAKI, PAUL I, LOS ANGELES, CALIFORNIA. Viruses, genetics and immunity in the etiology of human cancer.
- NO1CP-43212-00 (**) DUESBERG, PETER H, BERKELEY, CALIFORNIA. Structure and replication of murine and avian tumor viruses.
- NO1CP-43213-00 (**) HAMMOND, CUYLER E, NEW YORK, NEW YORK. Study of smoking and mortality among veterans.
- NO1CP-43214-00 (**) HERBERLING, R L, SAN ANTONIO, TEXAS. Latent virus infection and transmission of C-type particles (monkeys, human).
- NO1CP-43216-00 (**) GIARD, DONALD J, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation studies (human).
- NO1CP-43217-00 (**) YOHNI, DAVID S, COLUMBUS, OHIO. Biohazards control and containment in oncogenic virus research.
- NO1CP-43218-00 (**) MACK, THOMAS M, CAMBRIDGE, MASSACHUSETTS. Cancer and chronic diseases virologic laboratory workers.
- NO1CP-43219-00 (**) LATAJET, L, PARIS, FRANCE. Molecular and genetic studies of Rous sarcoma virus.
- NO1CP-43222-00 (**) BLACK, PAUL H, BOSTON, MASS. Activation of C-particles and induction of cancer.
- NO1CP-43223-00 (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Molecular studies on human and animal cancer-breast carcinoma.
- NO1CP-43224-00 (**) RABIN, HARVEY, BETHESDA, MARYLAND. Oncogenic activity of virus preparations in primates.
- NO1CP-43225-00 (**) HOLLAND, JAMES F, NEW YORK, NEW YORK. Immunity to virus associated and tumor associated antigens (mice, human).
- NO1CP-43228-00 (**) KAPLAN, HENRY S, STANFORD, CALIFORNIA. Research of Hodgkins disease and other human malignant lymphomas.
- NO1CP-43229-00 (**) SEGALOFF, ALBERT, NEW ORLEANS, LOUISIANA. Carcinogenesis by radiation plus estrogen (rats).
- NO1CP-43230-00 (**) THOMAS, JOHN A, MORGANTOWN, WEST VIRGINIA. Pituitary hormones and androgens (mice, guinea pig, hamster, dogs, human).
- NO1CP-43231-00 (**) HAY, ROBERT J, DAYTON, OHIO. Development of pancreatic cells.
- NO1CP-43232-00 (**) FITZGERALD, PATRICK J, NEW YORK, NEW YORK. Site of origin of human pancreatic adenocarcinoma.
- NO1CP-43236-00 (**) VERNA, JOHN E, SPRINGFIELD, VIRGINIA. Spontaneous and virus induced neoplastic transformation (human, mammals nonhuman).
- NO1CP-43237-00 (**) TRUMP, BENJAMIN F, BALTIMORE, MARYLAND. Normal and malignant tracheobronchial epithelium in humans (hamsters).
- NO1CP-43238-00 (**) RUDDLE, FRANK H, NEW HAVEN, CONNECTICUT. Selection and prepagation of haploid and partial monosomic cell lines (mice).
- NO1CP-43239-00 (**) MARTIN, DAVID W, JR, SAN FRANCISCO, CALIFORNIA. Propagation of somatic cells having specific physiological mutations.
- NO1CP-43240-00 (**) HOUSEWRIGHT, RILEY D, BETHESDA, MARYLAND. Roles of viruses and chemical in the etiology of cancer.
- NO1CP-43241-00 (**) SACHS, LEO, REHOVOT, ISRAEL. Virus-induced tumor specific transplantation antigens (mice).
- NO1CP-43242-00 (**) VOGT, PETER K, LOS ANGELES, CALIFORNIA. Conditioned lethal mutant of RNA tumor viruses.
- NO1CP-43243-00 (**) ECKHART, WALTER, SAN DIEGO, CALIFORNIA. Interactions between RNA tumor viruses and other viral agents.
- NO1CP-43244-00 (**) HAYFLICK, LEONARD, STANFORD, CALIFORNIA. Human tumor cell culture and mycoplasma activity (also mammals nonhuman).
- NO1CP-43245-00 (**) POWERS, MARCELINA, VIENNA, VIRGINIA. Carcinogenesis bioassay of pesticides and other environmental chemicals (rodents).
- NO1CP-43247-00 (**) PEDERSEN, EINAR, OSLO, NORWAY. Shifts in cancer risks among Norwegian migrants.
- NO1CP-43248-00 (**) NEWMAN, MELVIN S, COLUMBUS, OHIO. Research on preparation of polymers containing carcinogenic moieties.
- NO1CP-43249-00 (**) REIN, ALAN, BETHESDA, MARYLAND. Application of animal virus model systems to human neoplasia.
- NO1CP-43250-00 (**) FRIBSEN, HENRY G, MANITOBA, CANADA. Supply of human prolectin.
- NO1CP-43251-00 (**) DOSIK, HARVEY, BROOKLYN, NEW YORK. Viral transformation and chromosomal aberrations in human tumors.
- NO1CP-43252-00 (**) GRAVELL, MANETH, BETHESDA, MARYLAND. SVCP back-up laboratory.
- NO1CP-43253-00 (**) WOLF, GEORGE D, CAMBRIDGE, MASSACHUSETTS. Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats).
- NO1CP-43254-00 (**) DESHMUKH, D, BETHESDA, MARYLAND. Type C RNA tumor viruses (animals).
- NO1CP-43255-00 (**) NICHOLSON, WILLIAM J, NEW YORK, NEW YORK. Identification of human populations at risk from N-nitroso compounds.
- NO1CP-43256-00 (**) FISHER, THELMA N, PORTLAND, OREGON. Prostatic epithelial cell lines (human).
- NO1CP-43257-00 (**) TIDWELL, DALTON, RIVERDALE, MARYLAND. Carcinogenesis bioassay data system operational support.
- NO1CP-43258-00 (**) HENDRIX, ROBERT C, ANN ARBOR, MICHIGAN. Cancer end results project.
- NO1CP-43259-00 (**) KREWENTZ, EDWARD T, NEW ORLEANS, LOUISIANA. Furnish statistical data on cancer cases.
- NO1CP-43260-00 (**) NORRIS, SHIRLEY, BETHESDA, MARYLAND. Acquisition of fresh human specimens.
- NO1CP-43262-00 (**) KREWENTZ, EDWARD T, NEW ORLEANS, LOUISIANA. Louisiana Tumor Registry.
- NO1CP-43263-00 (**) GILLETTE, R, SPRINGFIELD, VIRGINIA. Mouse mammary tumor virus production facility.
- NO1CP-43264-00 (**) BRENNAN, MICHAEL J, DETROIT, MICHIGAN. Detroit SSMA population-based cancer registry.
- NO1CP-43265-01 (**) WOGAN, GERALD N, CAMBRIDGE, MASSACHUSETTS. Toxicity and carcinogenicity associated with fungus growth on food stuffs.
- NO1CP-43266-00 (**) JOHNSON, RICHARD T, BALTIMORE, MARYLAND. New papovaviruses isolated from man.
- NO1CP-43267-00 (**) BURCHFIELD, H P, BATON ROUGE, LOUISIANA. Carcinogenesis bioassay of pesticides (mice, rats).
- NO1CP-43269-00 (**) POLEY, GEORGE E, BOSTON, MASSACHUSETTS. Isolating type C virus from cultured human leukemic cells.
- NO1CP-43270-00 (**) HNILKA, LUBOMIR S, HOUSTON, TEXAS. Non-histone DNA binding proteins (rats).
- NO1CP-43271-00 (**) FORRES, P D, PHILADELPHIA, PENNSYLVANIA. UV photocarcinogenesis (mice).
- NO1CP-43272-00 (**) JONES, DAVID, MENLO PARK, CALIFORNIA. Study of combined effects of chemical carcinogens (rats).
- NO1CP-43274-00 (**) DARROW, CLEMENT C, BETHESDA, MARYLAND. Carcinogenesis in human bronchial tissues.
- NO1CP-43276-00 (**) YOHNI, DAVID S, COLUMBUS, OHIO. Interaction between chemical and viral carcinogens (human, rodents).
- NO1CP-43277-00 (**) REISFELD, RALPH A, LA JOLLA, CALIFORNIA. Chemical analysis of soluble human tumor specific antigens (human, goats).
- NO1CP-43278-00 (**) FINK, BAYMOND, NEW YORK, NEW YORK. Study of value of mammography.
- NO1CP-43281-00 (**) STRONG, JACK P, NEW ORLEANS, LOUISIANA. Premalignant lesions in the large intestine.
- NO1CP-43282-00 (**) GULLEN, WARREN H, AUGUSTA, GEORGIA. Incidence of colon cancer among blacks, Spanish Americans and whites.
- NO1CP-43283-00 (**) FRIEDMAN, GARY D, OAKLAND, CALIFORNIA. Study of time trends in maternal x-ray exposure (human).
- NO1CP-43284-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Incidence of esophageal cancer in specific geographic regions.
- NO1CP-43285-00 (**) VESLEY, DONALD, MINNEAPOLIS, MINNESOTA. Short courses on laboratory biohazards and injury control.
- NO1CP-43287-00 (**) FUNDERBURK, WILLIAM W, WASHINGTON, DISTRICT OF COLUMBIA. Correlation of molecular virology to diagnosis of breast cancer.
- NO1CP-43288-00 (**) STRANDBERG, JOHN, BALTIMORE, MARYLAND. Animal pathology support.
- NO1CP-43289-00 (**) BAXTER, DAVID W, CHICAGO, ILLINOIS. Supply of hamsters treated with respiratory carcinogens.
- NO1CP-43290-00 (**) GORBACH, SHERWOOD L, LOS ANGELES, CALIFORNIA. Mucosal-associated microorganisms and their relationship to cancer (human).
- NO1CP-43292-00 (**) DELAFRESNAYE, JEAN F, GENEVA, SWITZERLAND. International investigation on the epidemiology of lymphomas.
- NO1CP-43293-01 (**) KLEINSTEIN, BRUCE H, PHILADELPHIA, PENNSYLVANIA. Preparation of carcinogenesis abstracts.
- NO1CP-43294-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Hormones and oral contraceptives.
- NO1CP-43295-00 (**) BENSCH, KLAUS G, STANFORD, CALIFORNIA. Studies on oat-cell carcinoma of the lung (human).
- NO1CP-43296-00 (**) DE THE, G BLAUDIN, LYONS, FRANCE. Sero-epidemiological studies on nasopharyngeal carcinoma (human).
- NO1CP-43297-00 (**) BAKER, JOHN, WORCHESTER, MASSACHUSETTS. Carcinogenic bioassay of environmental chemicals (rats, mice).
- NO1CP-43298-00 (**) FRIEDMANN, THEODORE, LA JOLLA, CALIFORNIA. Regulatory proteins in oncogenic viruses.
- NO1CP-43299-00 (**) BENJAMIN, THOMAS L, CAMBRIDGE, MASSACHUSETTS. Cells transformed by DNA and RNA tumor viruses.
- NO1CP-43300-00 (**) BUSEY, WILLIAM, HERNDON, VIRGINIA. Animal pathology support.
- NO1CP-43301-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Epidemiology of cancer—Current awareness system.
- NO1CP-43302-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Carcinogenesis bioassay dose response study.
- NO1CP-43303-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Thyroid-active substances and urethane.
- NO1CP-43304-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. 'Carcinogenesis abstracts' subscribers.
- NO1CP-43305-00 (**) CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Literature support for nitrosoamines program.
- NO1CP-43300-00 (**) DAVIDSON, NORMAN R, PASADENA, CALIFORNIA. Electron microscopic studies of tumor virus nucleic studies.
- NO1CP-43307-00 (**) STEIN, W D, JERUSALEM, ISRAEL. Studies of mammalian cell transport systems.
- NO1CP-43309-00 (**) KOURI, R E, BETHESDA, MARYLAND. Screening method to determine smoking hazards (human).
- NO1CP-43310-00 (**) COATE, WILLIAM B, VIENNA, VIRGINIA. Respiratory impairment in beagles exposed to cigarette smoke.
- NO1CP-43312-00 (**) ADIR, JOSEPH, BALTIMORE, MARYLAND. Metabolic studies on tobacco smoke constituents (mammals).
- NO1CP-43314-00 (**) WEHNER, A E, RICHLAND, WASHINGTON. Inhalation bioassay in rats.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1CP-43315-00 (**)** ZWICKER, GARY M, RICHLAND, WASHINGTON. Inhalation bioassay of cigarette smoke in dogs.
- NO1CP-43316-00 (**)** ANGELENE, JOHN F, CAMBRIDGE, MASSACHUSETTS. Evaluation of smoker acceptance of less-hazardous cigarettes.
- NO1CP-43317-00 (**)** VESSELINOVITCH, STAN D, CHICAGO, ILLINOIS. Definition of sensitivity of carcinogenesis bioassay systems (mice).
- NO1CP-43318-00 (**)** DIMAYORICA, GIAMPIERO, CHICAGO, ILLINOIS. Molecular mechanism of carcinogenesis by oncogenic viruses (human, animals).
- NO1CP-43319-00 (**)** ZAJAC, BARBARA A, PHILADELPHIA, PENNSYLVANIA. Immunological characterization of EBV antigen (rabbits).
- NO1CP-43320-00 (**)** GARGUS, JAMES L, VIENNA, VIRGINIA. Mouse dermal bioassays of cigarette smoke condensates.
- NO1CP-43321-00 (**)** DAVIES, J N, ALBANY, NEW YORK. Epidemiology of childhood cancer.
- NO1CP-43325-00 (**)** COGGIN, JOSEPH H, KNOXVILLE, TENNESSEE. Relationship of embryonic antigens to virus-induced tumor antigens (mammals).
- NO1CP-43328-00 (**)** BENTVELZEN, PETER A, RUSWIJK, NETHERLANDS. Release of RNA tumor virus and its genetic control.
- NO1CP-43330-00 (**)** AURELIAN, LAURE, BALTIMORE, MARYLAND. Cellular immunity to herpes simplex antigens in cancer patients and controls.
- NO1CP-43331-00 (**)** SMINOVITCH, LOUIS, TORONTO, CANADA. Propagation and storage of mutant vertebrate cells.
- NO1CP-43333-00 (**)** DEAN, JACK H, BETHESDA, MARYLAND. Immunological assay for DNA and RNA virus.
- NO1CP-43334-00 (**)** LEMP, JOHN F, JR, BETHESDA, MARYLAND. Virus processing and production facility.
- NO1CP-43335-00 (**)** HIRSHAUT, YASHAR, NEW YORK, NEW YORK. Human materials for transmissible agents in tumors.
- NO1CP-43336-00 (**)** JABLON, SEYMOUR, WASHINGTON, DISTRICT OF COLUMBIA. Epidemiologic studies in etiology of cancer in veterans.
- NO1CP-43337-00 (**)** HOLMES, A W, LEATHERHEAD, SURREY KT 22 7RY, UNITED KINGDOM. N-nitroso compounds and their precursors in the environment.
- NO1CP-43338-00 (**)** CHOW, W L, BURNABY 2, CANADA. N-nitroso compounds and their precursors in the environment.
- NO1CP-43342-00 (**)** KMET, JANEZ, LYON, FRANCE. Etiology of esophageal cancer in the Caspian Littoral of Iran.
- NO1CP-43344-00 (**)** SZANTO, PAUL B, CHICAGO, ILLINOIS. Supply of fresh human materials from neoplastic patients.
- NO1CP-43345-00 (**)** DAS GUPTA, TAPAS K, CHICAGO, ILLINOIS. Supply of fresh human materials from neoplastic patients.
- NO1CP-43347-00 (**)** BAKER, JOHN K, UNIVERSITY, MISSISSIPPI. Development and application of methods for N-Nitroso compounds.
- NO1CP-43343-00 (**)** BILLS, D D, CORVALLIS, OREGON. Development and application of analytical methods for N-Nitroso compounds.
- NO1CP-43349-02 (**)** GARNER, F M, BETHESDA, MARYLAND. Carcinogenic bioassay of environmental chemicals (mice, rats).
- NO1CP-43350-02 (**)** WESSELL, CARL, ROCKVILLE, MARYLAND. Bioassay prime contract.
- NO1CP-43351-00 (**)** BURTON, ROBERT W, RIVERDALE, MARYLAND. Biological resources management information system support services.
- NO1CP-43353-00 (**)** THOR, DANIEL E, SAN ANTONIO, TEXAS. Detection of immunologic reactivity to chemical carcinogens (guinea pigs).
- NO1CP-43354-00 (**)** POMEKANZ, JEROME R, CLEVELAND, OHIO. Specific immunological unresponsiveness to chemical carcinogens (guinea pigs).
- NO1CP-43355-00 (**)** CASKEY, CHARLES T, HOUSTON, TEXAS. Conduct studies of nonsense suppressor of 3T3 cells (mice).
- NO1CP-43350-00 (**)** SIGEL, MICHAEL M, MIAMI, FLORIDA. Immunological studies on animal breast carcinoma (mice).
- NO1CP-43359-01 (**)** GREEN, MAURICE, ST LOUIS, MISSOURI. Study of oncogenesis.
- NO1CP-43361-00 (**)** PATEL, APPASAHB R, SPRINGFIELD, VIRGINIA. Prepare and analyze cigarette smoke condensate samples.
- NO1CP-43364-00 (**)** CORLE, DON, RIVERDALE, MARYLAND. Biomedical computing services in clinical and diagnostic trails program.
- NO1CP-43365-00 (**)** TING, ROBERT C, BALA CYNWYD, PENNSYLVANIA. RNA tumor virus transformation of skin fibroblast cells.
- NO1CP-43366-00 (**)** LIPKIN, MARTIN, NEW YORK, NEW YORK. Analysis of cell proliferation in familial polyposis.
- NO1CP-43370-00 (**)** BOWEN, JAMES M, HOUSTON, TEXAS. Immunological studies on breast carcinoma (human, mice).
- NO1CP-43375-00 (**)** DIXON, FRANK J, LA JOLLA, CALIFORNIA. Immunologic study of RNA tumor (type C) viruses (mice, cats, human).
- NO1CP-43376-00 (**)** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Comparative metabolism of drugs and chemicals in primates, including man.
- NO1CP-43378-00 (**)** WYNDER, ERNEST L, NEW YORK, NEW YORK. Colon carcinogenesis (rodents).
- NO1CP-43379-00 (**)** EASTERDAY, CHARLES L, BOSTON, MASSACHUSETTS. Cervical neoplasia and human herpes simplex virus type 2.
- NO1CP-43380-00 (**)** SOBIRO, RUY, BRONX, NEW YORK. Host restriction of Friend Leukemia Virus.
- NO1CP-43381-00 (**)** LEVY, JAY A, SAN FRANCISCO, CALIFORNIA. Isolation of human xenotropic viruses (tissue culture).
- NO1CP-43382-00 (**)** LYON, JOSEPH L, SALT LAKE CITY, UTAH. Epidemiological investigation of cancer in Utah.
- NO1CP-43384-00 (**)** SPECTOR, BEATRICE D, MINNEAPOLIS, MINNESOTA. Immunodeficiency-cancer registry.
- NO1CP-43385-00 (**)** SOCHER, SUSAN H, HOUSTON, TEXAS. Regulation of gene expression in mouse mammary cancer.
- NO1CP-43386-00 (**)** MARTINEZ, ISIDRO, SAN JUAN, PUERTO RICO. Cancer survey in the Puerto Rico area.
- NO1CP-43387-00 (**)** GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Virus and reagent production and purification.
- NO1CP-43388-00 (**)** GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Type-C viruses in relation to oncogenic potential (human, animals).
- NO1CP-43389-00 (**)** GILDEN, RAYMOND V, ROCKVILLE, MARYLAND. Studies on Herpesviruses.
- NO1CP-43391-00 (**)** ALBERT, SAMUEL, DETROIT, MICHIGAN. Collection of large quantities of human milk.
- NO1CP-43392-00 (**)** SOKAL, JOSEPH E, ALBANY, NEW YORK. Supply of blood and tissue specimens from neoplastic patients.
- NO1CP-43393-00 (**)** MAHMAS, ANDRE J, ATLANTA, GEORGIA. Cellular immunity studies to Herpes simplex antigens.
- NO1CP-43393-00 (**)** LAMON, EDDIE W, BIRMINGHAM, ALABAMA. Relationship of embryonic antigens to virus-induced tumor antigens (mammals).
- NO1CP-43395-00 (**)** WELLS, SAMUEL A, DURHAM, NORTH CAROLINA. Study of relationship of embryonic antigen to virus-induced.
- NO1CP-43393-00 (**)** MARTIN, MARGARET, WASHINGTON, DISTRICT OF COLUMBIA. A review of skin cancer statistics.
- NO1CP-43600-00 (**)** RICHWALD, ERNST J, SALT LAKE CITY, UTAH. Determining the effect of chronic immunosuppression (mice).
- NO1CP-43601-00 (**)** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Biological data on eight compounds.
- NO1CP-43600-00 (**)** AGTHE, C, LYON, FRANCE. The evaluation of carcinogenic risk of chemicals to man.
- NO1CP-43609-00 (**)** PARKER, RENO, HAMILTON, MONTANA. Supply P3 and cell walls from mycobacterium bovis.
- NO1CP-43610-00 (**)** LEHNINGER, ALBERT L, BALTIMORE, MARYLAND. Studies of mammalian cell transport system.
- NO1CP-43611-00 (**)** HARE, JOHN D, ROCHESTER, NEW YORK. Characterization and study of transport systems in neoplastic cells (mammals).
- NO1CP-43612-00 (**)** COLTEN, HARVEY R, BOSTON, MASSACHUSETTS. In vitro synthesis of complement components (human, guinea pigs).
- NO1CP-43615-01 (**)** CASTO, BRUCE C, NORTHBROOK, ILLINOIS. In vitro interaction between chemical and viral carcinogens.
- NO1CP-43616-00 (**)** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Workshop on the geochemical environment in relation to health and disease.
- NO1CP-43617-00 (**)** YAGER, ROBERT, WASHINGTON, DISTRICT OF COLUMBIA. Partial support for the institute of laboratory animal resources.
- NO1CP-43613-00 (**)** STAMFPLI, SHERLA, WASHINGTON, DISTRICT OF COLUMBIA. Conference for physical and chemical carcinogenesis.
- NO1CP-43619-00 (**)** VOORHIES, JOHN J, ANN ARBOR, MICHIGAN. Purification of epidermal chalone (rats).
- NO1CP-43621-00 (**)** CRAIG, PAUL, PHILADELPHIA, PENNSYLVANIA. Carcinogenesis abstracts input to computer system.
- NO1CP-43622-00 (**)** STEPHEN, W F, BROOKLANDVILLE, MARYLAND. Tobacco smoke constituents (animals).
- NO1CP-43623-00 (**)** FINE, DAVID, WALTHAM, MASSACHUSETTS. Development and application of methods of N-nitroso compounds.
- NO1CP-43624-00 (**)** STAMFPLI, SHIBLA, WASHINGTON, DISTRICT OF COLUMBIA. Conference for support.
- NO1CP-50053-10 (**)** FELLER, WILLIAM F, WASHINGTON, DISTRICT OF COLUMBIA. Human breast cancer studies.
- NO1CP-51029-14 (**)** BLANK, FRITZ, PHILADELPHIA, PENNSYLVANIA. Carcinogenicity of fungal mycotoxins.
- NO1CP-60902-11 (**)** YOHN, DAVID S, LOUISVILLE, KENTUCKY. Produce simian foamy virus reagents and antisera.
- NO1CP-60914-13 (**)** ATHEY, WILBUR L, BETHESDA, MARYLAND. Operation of BALB/c mouse colony.
- NO1CP-81010-10 (**)** PATTILO, ROLAND A, MILWAUKEE, WISCONSIN. Human trophoblast cell line.
- NO1CP-81030-11 (**)** GARDNER, MURRAY B, LOS ANGELES, CALIFORNIA. Etiology and epidemiology of human cancer.
- NO1CP-90040-08 (**)** FRENKEL, EUGENE P, DALLAS, TEXAS. Dallas-Fort Worth Cancer Survey.
- NO1CP-90041-13 (**)** BRENNAN, MICHAEL J, DETROIT, MICHIGAN. Third National Cancer Survey.
- NO1CP-90043-10 (**)** REDMOND, CAROL K, PITTSBURG, PENNSYLVANIA. Third National Cancer Survey.
- NO1CP-90047-11 (**)** COONEY, JAMES P, ATLANTA, GEORGIA. Third National Cancer Survey.
- NO1CP-90049-09 (**)** PEACOCK, PETER B, BIRMINGHAM, ALABAMA. Third National Cancer Survey.
- NO1CP-90072-08 (**)** MARTINEY, ISIDORE, SAN JUAN, PUERTO RICO. Cancer survey in the Puerto Rico area.
- NO1CP-92014-07 (**)** SACHS, LEO, REHOVOTH, ISRAEL. Virus-induced tumor specific transplantation antigens (mice).
- NO1CP-92061-10 (**)** MC KHANN, CHARLES F, MINNEAPOLIS, MINNESOTA. Tumor-specified transplantation antigens in solid tumors (human, mammals).
- NO1CP-92063-07 (**)** WOLF, GEORGE D, CAMBRIDGE, MASSACHUSETTS. Vitamin A in respiratory tract carcinogenesis (hamsters, chickens, rats).
- NO1DA-00001-05 (**)** DIV VOCATION REHAB, DEPT HUMAN RES P O BOX 26053, RALEIGH, N C 27611. Provide rehabilitation services to narcotic addicts.
- NO1DA-00002-05 (**)** SUNBEAM HOME, FAMILY SERV, 616 NORTHWEST 21ST ST, OKLAHOMA CITY, OKLA 73103. Provide services to narcotic addicts.
- NO1DA-00008-64 (**)** VIRGINIA STATE DEPT HLTH, JAMES MADISON BUNING, 109 GOVERNOR ST, RICHMOND, VIRGINIA 23219. Provide rehabilitation services to narcotic addicts.
- NO1DA-00013-06 (**)** FAMILY SERV AGENCY PULASKI CO, NO LITTLE ROCK COMM CR BLDG, 2700 WILLOW P O BOX 500, NORTH LITTLE ROCK ARK 72115. Provide rehabilitation services to narcotic addicts.

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- NOIDA-00028-04 (**)** MH CR, NORFOLK & CHESAPEAKE, 401 COLLEY AVE, NORFOLK, VA 23507. Provide rehabilitation services to narcotic addicts.
- NOIDA-00143-05 (**)** BIOSPHERICS, INCORPORATED, 4928 WYACONDA RD, ROCKVILLE, MARYLAND 20853. Training material for teachers on abuse of drugs.
- NOIDA-10015-02 (**)** UNIV NEW MEXICO, ALBUQUERQUE, NEW MEXICO 87106. Long-term effects of marijuana in chimpanzees.
- NOIDA-10017-05 (**)** RIO GRANDE STATE CR MM, 2115 NO 28TH ST, HARLINGEN, TEXAS 78550. Rehabilitation services to narcotic addicts.
- NOIDA-10033-04 (**)** BOARD OF SUPERVISORS, COUNTY OF FAIRFAX, 4100 CHAIN BRIDGE RD, FAIRFAX, VIRGINIA 22030. Provide rehabilitation services to narcotic addicts.
- NOIDA-10047-02 (**)** PENINSULA FAMILY SERV TRAV AID, 3015 WEST AVE, PO BOX 305, NEWPORT NEWS, VA. Services to narcotic addicts.
- NOIDA-10048-04 (**)** ARIZONA FAMILY INC, 48FOOTHILL DRIVE, PHOENIX, ARIZ 85020. In-patient treatment of narcotic addicts.
- NOIDA-10079-02 (**)** MASON RES INST, HARVARD ST, WORCESTER MASS 01608. Toxicity studies of marijuana compounds.
- NOIDA-10089-03 (**)** UNIV CALIFORNIA, 405 HILGARD AVE. Determine effects of natural and synthetic marijuana in humans.
- NOIDA-10092-02 (**)** RES TRIANGLE INST, P O BOX 12194, RES TRIANGLE PARK, N.C. 27709. Standardized dosage form of cannabis and cannabinoids (rabbits).
- NOIDA-10093-02 (**)** BUR SOCIAL SCI RES, INC, 1200 17TH ST, N W, WASHINGTON, D C. Study drug abuse education facilitators and consultants.
- NOIDA-10095-02 (**)** RES TRIANGLE INST, P O BOX 12194, RES TRIANGLE PARK, N. C. Quantitative determination of cannabinoids in body fluids (human).
- NOIDA-10102-04 (**)** UNIV MIAMI, CORAL GABLES, FLORIDA 33124. Training for drug abuse programs personnel.
- NOIDA-10103-02 (**)** HLTH INS PLAN GREATER N Y, 625 MADISON AVE, NEW YORK. Drug education program for insurance subscribers.
- NOIDA-10103-02 (**)** RES TRIANGLE INST, P O BOX 12194, TRIANGLE PARK N C 27709. Synthesis of radiolabeled cannabinoids and metabolites.
- NOIDA-10114-07 (**)** PHARMACEUTICAL ASSN, 2215 CONSTITUTION AVE, N W, WASHINGTON, D C 20037. Develop and pretest nationwide drug education program.
- NOIDA-20002-01 (**)** MEHARRY MED COL, 1005 18TH ST, NORTH, NASHVILLE, TENNESSEE 37208. Provide rehabilitation services to narcotic addicts.
- NOIDA-20021-01 (**)** TRAVELERS AID ASSN, 212 BURNET ST, FT WORTH, TEXAS 76102. Service to narcotic addicts.
- NOIDA-20044-01 (**)** SOUTHWEST MENTAL HLTH CR, 1501 NORTH SOLANO AVE, LAS CRUCES, N MEX 88001. Treatment of narcotic addicts.
- NOIDA-20062-01 (**)** ADDICTION RES & TRTMT CORP, 937 FULTON ST, BROOKLYN, N Y 11238. Provide rehabilitation services to narcotic addicts.
- NOIDA-20073-03 (**)** NATL ACADEMY SCIENCE, 2101 CONSTITUTION AVE, WASHINGTON, D C 20418. Conference on problems of drug dependence.
- NOIDA-20076-00 (**)** HELCON, INC, NORMAN, OKLAHOMA 73069. Legal handbook for methadone maintenance programs.
- NOIDA-20092-03 (**)** RES FDN CITY UNIV N Y, 1411 BROADWAY, NEW YORK NEW YORK 10018. Short course training center on drug abuse treatment.
- NOIDA-20093-00 (**)** BEHAVIOR RES & ACTION SOC, SCI FDN, 7022 SOUTH LAKE SHORE DR, CHICAGO, ILL 60653. National training center on drug abuse.
- NOIDA-20116-01 (**)** CURATORS UNIV MISSOURI, UNIVERSITY HALL, COLUMBIA, MISSOURI 65201. Narcotic antagonists in treating narcotic addicts.
- NOIDA-20127-01 (**)** FRIENDS PSYCH RES INC, P O BOX 9945, OAKLAND CAL 94613. Short course training center on drug abuse treatment.
- NOIDA-20132-02 (**)** TEXAS CHRISTIAN UNIV, FORT WORTH TEXAS 76129. Evaluation of NIMH drug abuse community assistance program.
- NOIDA-20137-01 (**)** INST RES & EVALUATION, 384 CLINTON ST, HEMPSTEAD, NEW YORK. Develop program for self-administered high school study of drugs.
- NOIDA-20139-03 (**)** RES EDUC FDN, 101 CITY DRIVE SOUTH, ORANGE, CAL 92668. Development of a uniform system for reporting drug related deaths.
- NOIDA-20141-01 (**)** NEW JERSEY STATE DEPT OF HEALTH, N J DEPT HEALTH, BOX 1540, TRENTON, NEW JERSEY 08625. Rehabilitation services to narcotic addicts.
- NOIDA-20166-02 (**)** CASE WESTERN RES UNIV, 2040 ADELBERT RD, CLEVELAND OHIO 44106. Mutagenicity studies of delta-9-tetrahydrocannabinol (rats, primates).
- NOIDA-20171-02 (**)** INDUSTRIAL BIO-TEST LAB, 1810 FRONTAGE RD, NORTHBROOK, ILL 60062. Reproductive and teratogenic studies on narcotic antagonists.
- NOIDA-20182-01 (**)** STANFORD RES INST, 333 RAVENWOOD AVE, MENLO PARK CAL 94025. Interaction of marijuana with drugs of chronic abuse (animals).
- NOIDA-20183-01 (**)** BATTLE MEMORIAL INSTITUTE, COLUMBUS LABORATORIES, 505 KING AVE, COLUMBUS, OHIO 43201. Determination of cannabinoids (plants, animals, human).
- NOIDA-20208-05 (**)** MCLEAN HOSP, 155 MILL ST, BELMONT MASS 02178. Behavioral research paradigm for study of opiate antagonists (human).
- NOIDA-20209-04 (**)** OREGON STATE SYSTEM HIGH EDUC, 3181 S W SAM JACKSON PARK RD, PORTLAND, ORE 97201. Effects of narcotic antagonist therapy (human).
- NOIDA-20210-01 (**)** COUNTY OF NASSAU, 214 GLEN COVE RD, CARLE PLACE, N. Y. 11514. Narcotic antagonists in treating addict inmates.
- NOIDA-20211-02 (**)** YALE UNIV, 333 CEDAR ST, NEW HAVEN CONN 06510. Clinical effectiveness of narcotic antagonists.
- NOIDA-30011-00 (**)** DAYTON MENTAL HLTH CR, 2335 WAYNE AVE, DAYTON, OHIO 45420. Services to narcotic addicts.
- NOIDA-30028-00 (**)** NARCOTIC ADDICT CONTROL COMM, EXEC PK SO, STUYVESANT PLAZA, ALBANY, NY 12203. Treatment and rehabilitation for opiate-dependent persons.
- NOIDA-30025-00 (**)** AM TECH ASSIST CORP, 7655 OLD SPRINGHOUSE ROAD, MCLEAN, VIRGINIA 22101. Operation of a mobile drug abuse treatment program.
- NOIDA-30049-00 (**)** N J DEPT OF HEALTH, JOHN FITCH PLAZA, P O BOX 1540, TRENTON, N J 08625. Treatment of opiate dependent persons.
- NOIDA-30050-00 (**)** OHIO DEPT MNTL HLTH & RETARD, BUREAU DRUG ABUSE, 8 EAST BROAD ST 3RD FLOOR, COLUMBUS, OHIO 43215. Treatment of drug dependent persons.
- NOIDA-30052-00 (**)** HEALTH WELFARE AGENCY, NARC & DRUG ABUSE COORDM, 926 J ST, SUITE 201, SACRAMENTO, CA. Treatment of drug dependent persons.
- NOIDA-30053-03 (**)** ILL DEPT MH DRUG ABUSE PROG, MUSEUM SCI & INDUSTRY, EAST PAVILION, CHICAGO, ILL 60637. Services to narcotic addicts.
- NOIDA-30055-00 (**)** TEXAS DEPT COMMUNITY AFFAIRS, SAM HOUSTON BLDG, P O BOX 13166, CAPITOL STA, AUSTIN, TEX, 7871. Treatment of drug dependent persons.
- NOIDA-30056-05 (**)** DETROIT-WAYNE CT MH SER BD, 1800 KALES BLDG, DETROIT, MICHIGAN 48226. Treatment of drug dependent persons.
- NOIDA-30060-00 (**)** MIDWEST RES INST, 425 VOLKER BLVD, KANSAS CITY, MO 64110. Evaluate new instrument capability.
- NOIDA-30062-02 (**)** ENDO LABORATORIES, INC, 1000 STEWART AVENUE, GARDEN CITY, NEW YORK 11530. Production of EN 1639A.
- NOIDA-30076-00 (**)** COMM OF PENNNA, GOVERNORS COUNCIL ON DRUG, ALCOHOL ABUSE, HARRISBURG, PENNSYLVANIA 17122. Services to narcotic addicts (waiting list).
- NOIDA-30085-01 (**)** STATE OF ALABAMA, DEPT OF MENTAL HEALTH, 502 WASHINGTON, AVE, MONTGOMERY, ALABAMA 36104. Services to narcotic addicts.
- NOIDA-30087-03 (**)** DEPT HLTH, REHAB SERV, OFFICE OF DRUG ABUSE, 320 BLOUNT ST, TALLAHASSEE, FLORIDA 32304. Services to narcotic addicts.
- NOIDA-30092-00 (**)** DEPT HUMAN RESOURCES, DRUG ABUSE SERV SECTION, 615 PEACHTREE ST N E, ATLANTA, GEORGIA 30308. Services to narcotic addicts (human).
- NOIDA-30153-00 (**)** MARATHON HOUSE, INC, 144 WATERMAN ST, PROVIDENCE, RI 02906. Provide rehabilitation services to narcotic addicts.
- NOIDA-30154-00 (**)** KING, MRS. ANITA, 11451 S GLEN RD, POTOMAC, MD 20854. Evaluation of drug abuse treatment programs.
- NOIDA-30156-00 (**)** SYSTEM SCIENCES, INC., 4720 MONTGOMERY LANE, BETHESDA, MARYLAND 20014. Field support for CODAP reporting system.
- NOIDA-30159-00 (**)** SYSTEM SCIENCES, INC, 4720 MONTGOMERY LANE, BETHESDA, MARYLAND 20014. Data processing support for CODAP reporting system.
- NOIDA-30160-00 (**)** N Y NARC ADDICT CONTROL COMM, EXEC PARK SO STUYVESANT PLAZA, ALBANY N Y 12203. Services to narcotic addicts.
- NOIDA-30164-00 (**)** SMITHSONIAN INSTITUTION, WASHINGTON, 20560. International conference on cross-cultural perspectives on cannabis use.
- NOIDA-30160-00 (**)** N J DEPT HLTH, DIV NARC, P O BOX 1540, TRENTON, N J 08625. Services to narcotic addicts.
- NOIDA-30172-00 (**)** RAVEN PRESS, 18 WEST 84TH ST, NEW YORK, NEW YORK 10024. Publish proceedings of First International Conference on Narcotic Antagonists.
- NOIDA-30174-00 (**)** MAINE COMMISSION ON DRUG ABUSE, 411 STATE OFFICE BUILDING, AUGUSTA, MAINE 04330. Services to narcotics addicts.
- NOIDA-30176-00 (**)** STATE OF TEXAS, TEXAS DEPT COMMUNITY AFFAIRS, P O BOX 13166 CAPITOL STATION, AUSTIN, TEXAS 78711. Services to narcotic addicts.
- NOIDA-30177-00 (**)** DAVID E. SMITH, M.D., 1698 HAIGHT ST, SAN FRANCISCO, CALIF 94117. Barbiturate treatment manual.
- NOIDA-30178-00 (**)** INDUSTRIAL BIO-TEST LAB, 1810 FRONTAGE RD, NORTHBROOK, ILL 60062. Toxicological evaluation of narcotics and/or narcotic antagonists in animals.
- NOIDA-30181-00 (**)** UNIVERSITY CALIFORNIA, 1483 4TH AVE, SAN FRANCISCO, CALIFORNIA 9412. Clinical study of tolerance to marijuana (men).
- NOIDA-30182-00 (**)** OHIO STATE UNIV, 1314 KINNEAR RD, COLUMBUS, OHIO 43212. Testing of drug delivery systems for use in the treatment of narcotic addiction.
- NOIDA-30184-01 (**)** RESEARCH TRIANGLE INSTITUTE, P O BOX 12194, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709. Synthesis of labeled narcotics and narcotic antagonists.
- NOIDA-30192-00 (**)** INTERNATIONAL COMMITTEE AGAINST MENTAL ILLNESS, 40 EAST 69TH ST, NEW YORK, NEW YORK 10021. Treatment of narcotic addicts in Tehran, Iran.
- NOIDA-30193-00 (**)** NEW YORK MED COLLEGE, FIFTH AVE AT 106, NEW YORK, 10029. Clinical pharmacology of propranolol in opiate addiction.
- NOIDA-30197-00 (**)** GEORGE WASHINGTON UNIV, WASHINGTON, D C 20006. National survey of drug abuse.
- NOIDA-30198-00 (**)** HERNER & CO, 2100 7 ST N W, WASHINGTON, D C 20037. Drug abuse information materials and publication.
- NOIDA-30200-00 (**)** TRIANGLE INST, P O BOX 12194, TRIANGLE PARK N C 27709. Feasibility of study of effect of drug law violations.
- NOIDA-30212-00 (**)** UNCO, INCORPORATED, 815 15TH ST, N W, SUITE 838, WASHINGTON, DC 20005. Drug abuse information dissemination.
- NOIDA-30217-02 (**)** BALTIMORE CITY HOSPITAL, 4940 EASTERN AVE, BALTIMORE, MARYLAND 21224. Management and behavior therapy in a methadone maintenance program (human).
- NOIDA-30219-00 (**)** RESEARCH FOUNDATION, STATE UNIVERSITY OF NEW YORK, P O BOX 7126, ALBANY, NEW YORK 12224. Prediction scales of the intervention type in human drug users and abusers.
- NOIDA-30222-00 (**)** CONTEMPORARY RES INC, 1100 GLENDON AVE, LOS ANGELES, CALIFORNIA 90024. Preparation of annotated bibliographies on drug use/abuse.
- NOIDA-30225-08 (**)** UNIV PENNSYLVANIA, 3451 WALNUT ST, PHILADELPHIA, PA 19174. Clinical safety and efficacy studies of narcotic antagonists (human).
- NOIDA-30226-00 (**)** INDIANA UNIV FOUNDATION, 1219 WEST MICHIGAN ST, INDIANAPOLIS, INDIANA 46202. Interactions of narcotic and narcotic antagonist with other drugs (rodents).
- NOIDA-30227-00 (**)** PERSONNEL DECISIONS, INC, 2515 FOSHAY TOWER, MINNEAPOLIS, MINN 55402. Prediction scales of the prevention type in human drug users and abusers.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NOIDA-30228-00** (**) RESEARCH TRIANGLE INSTITUTE, POST OFFICE BOX 12194, RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709. Synthesis and production of narcotic antagonists.
- NOIDA-30229-00** (**) DOT SYSTEMS, INC., 402 MAPLE AVE WEST, VIENNA, VIRGINIA 22180. Technical assistance in drug development.
- NOIDA-30231-00** (**) RONALD D WYNNIE ASSOC, 3915 LIVINGSTON ST N W, WASHINGTON, D C 20015. Treatment facilities for non-opiate drug users (human).
- NOIDA-30232-00** (**) RESOURCE PLANNING CORP, 1771 N ST N W, WASHINGTON, D C 20036. National data bank of drug abuse prevention resource units.
- NOIDA-30233-00** (**) UNIV FLORIDA, GAINESVILLE, FLORIDA 32601. Chronic cannabis users in Costa Rica.
- NOIDA-30239-00** (**) ELLEN SIMON, 6213 HOLLINS DRIVE, BETHESDA, MARYLAND 20034. Study and report on research in area of children and drug abuse.
- NOIDA-30244-00** (**) BROWN ENGINEERING INC, RESEARCH PARK, HUNTSVILLE, ALABAMA 35807. Data reference module.
- NOIDA-30253-00** (**) HARVARD COL, HOLYOKE 458, 1353 MASSACHUSETTS AVE, CAMBRIDGE, MASSACHUSETTS 02138. Clinical safety and efficacy studies of narcotic antagonists (men).
- NOIDA-30255-00** (**) LAFAYETTE CLINIC, 931 EAST LAFAYETTE ST, DETROIT, MICHIGAN 48207. Clinical safety and efficacy studies of narcotic antagonists.
- NOIDA-30262-00** (**) INDUSTRIAL BIO-TEST LABORATOR,, 1810 FRONTAGE RD, NORTHBROOK, ILLINOIS 60062. Toxicological evaluation of one narcotic and/or narcotic antagonist in animals.
- NOIDA-30263-00** (**) THE REGENTS OF THE UNIV CALIF, DAVIS, CAL 95616. Interaction studies of narcotics and narcotic antagonists (monkeys).
- NOIDA-30264-01** (**) WASHINGTON ADDICTIONS CR, BOSTON, MASS.. Clinical efficacy and safety studies of new narcotic antagonists.
- NOIDA-30265-00** (**) WASHINGTON UNIV, ST LOUIS, MISSOURI 63130. Division of narcotic abuse and drug addiction (animals).
- NOIDA-30267-00** (**) DYNATECH CORP, CAMBRIDGE, MASS. 02139. Development of drug delivery systems in treatment of narcotic addiction.
- NOIDA-40015-00** (**) KING, ANITA, 11451 S. GLEN RD, POTOMAC, MD 20854. Study programs of drug abuse treatment to minority children and youths.
- NOIDA-40015-00** (**) WORLD HEALTH ORGAN, AVENUE APPIA, 1211 GENEVA 27, SWITZERLAND. Study of drug abuse.
- NOIDA-40092-00** (**) KINGSBROOK JEWISH MED CR, RUTLAND RD & EAST 49TH ST, BROOKLYN, N.Y. 11203. Model for long-term cure facilities.
- NOIDA-40101-00** (**) LOWENHAR, HERMAN, 422 HUDSON, ST, NEW YORK, NEW YORK 10014. Survey and analyze multi-services drug program for adolescents.
- NOIDA-40102-00** (**) NOWLIS, VINCENT, 907 6TH ST., S. W., WASHINGTON, D C 20024. Provide information on drug abuse problems in one or more countries.
- NOIDA-40103-00** (**) SOUTHERN RES INST, 2000 NINTH AVENUE SOUTH, BIRMINGHAM, ALA 35205. Improved hemoperfusion device for barbiturate intoxication (dogs).
- NOIDA-40104-00** (**) ENDO LABS, 1000 STEWART AVE., GARDEN CITY, N.Y. 11530. Production of EN1639A.
- NOIDA-40105-00** (**) MINN. DEPT. PUBLIC WELFARE, ST. PAUL, MINN. 55101. Services to narcotic addicts.
- NOIDA-40106-00** (**) DRUG COUNCIL, 90 WASHINGTON ST, HARTFORD, CONN 06115. Services to narcotic addicts.
- NOIDA-40107-00** (**) UNIV MISSISSIPPI, UNIVERSITY, MISS 38677. Scientific information re legal decisions for control of drugs (human, animals).
- NOIDA-40106-00** (**) BUR ALCHOL & DRUG ABUSE, 1803 NORTH CARSON ST, CARSON CITY, NEVADA 89701. Integrated drug abuse reporting process.
- NOIDA-40109-00** (**) RESEARCH TRIANGLE INST, P.O. BOX 12194, RESEARCH TRIANGLE PARK, N.C.. Quantification of abused drugs in biological media by mass spectroscopy.
- NOIDA-40110-00** (**) DEPT HEALTH, ADDICTIVE BEHAVIOR SERVICE, 1740 WEST ADAMS, PHOENIX, ARIZ 85007. Integrated drug abuse reporting process.
- NOIDA-40111-00** (**) DEPT MENTAL HEALTH, 502 WASHINGTON, AVE, MONTGOMERY, ALA 36101. Integrated drug abuse reporting process.
- NOIDA-40112-00** (**) COMM NARC CONTROL SUBSTANCES, OFFICE OF GOVERNOR, 201 KITTRELL CENTER, COLUMBIA, S C 29204. Integrated drug abuse reporting process.
- NOIDA-40113-00** (**) DEPT HLTH & SOC SERV, 1 WEST WILSON ST, MADISON, WISC 53702. Integrated drug abuse reporting process.
- NOIDA-40114-00** (**) DEPT MENTAL HEALTH, P.O. BOX 53277, OKLAHOMA CITY, OKLA 73105. Integrated drug abuse reporting process.
- NOIDA-40115-00** (**) DEPT ADMINISTRATION, 116 W. JONES ST., RALEIGH, NORTH CAROLINA 27611. Integrated drug abuse reporting process.
- NOIDA-40116-00** (**) SOCIAL SYSTEMS INTERVENTION, 3606 14TH ST N.W., WASHINGTON, D.C. 20010. To prepare summary statements on grant applications.
- NOIDA-40117-00** (**) THE FRANKLIN INST, RES LAB, THE BENJAMIN FRANKLIN PARKWAY, PHILADELPHIA, PA 19103. Bibliographic materials on drug abuse topics.
- NOIDA-40118-00** (**) DUNLAP AND ASSOC, INC, ONE PARKLAND DRIVE, DARIEN, CONN 06820. Comprehensive evaluation of clearinghouse materials.
- NOIDA-40120-00** (**) GOVERNORS, OFFICE EDU & TNG, UNIVERSITIES CR, SUITE 182, 3825 RIDGEWOOD RD, JACKSON, MISS 39211. Integrated drug abuse reporting process.
- NOIDA-40121-00** (**) STATE OF LOUISIANA, DIV OF MENTAL HEALTH, P.O. BOX 44215, BATON ROUGE, LOUISIANA 70804. Integrated drug abuse reporting process.
- NOIDA-40122-00** (**) BOOZ, ALLEN & HAMILTON, INC, 1025 CONNECTICUT AVE, N.W., WASHINGTON, D.C. 20036. Financial management information system.
- NOIDA-40123-00** (**) DIV OF MENTAL HEALTH, 722 JEFFERSON ST, JEFFERSON CITY, MISSOURI 65101. Integrated drug abuse reporting process.
- NOIDA-40124-00** (**) DRUG ABUSE AUTHORITY, 1217 E. WALNUT, DES MOINES, IOWA 50319. Integrated drug abuse reporting process.
- NOIDA-40125-00** (**) PORDHAM UNIV, INST SOCIAL RESEARCH, BRONX, NEW YORK, 10458. Methadone diversion.
- NOIDA-40126-00** (**) SUBSTANCE ABUSE AGENCY, OFFICE OF GOVERNOR, 550 MAKAPUU AVE, HONOLULU, HAWAII 96816. Integrated drug abuse reporting.
- NOIDA-40127-00** (**) COMMISSION ON DRUGS, STATE CAPITOL BLDG, LINCOLN, NEBRASKA, 68509. Integrated drug abuse reporting process.
- NOIDA-40128-00** (**) STATE OF NEW MEXICO, DEPT HOSP & INST, 425 SANTA FE TRAIL, SANTA FE, NEW MEXICO 87501. Services to Narcotic addicts.
- NOIDA-40129-00** (**) THE FRANKLIN INST, 20TH AND PARKWAY, PHILADELPHIA, PA 19103. Development of a thesaurus for drug abuse resources and materials file.
- NOIDA-40130-00** (**) COMMONWEALTH OF VA, DIVISION DRUG ABUSE CONTROL, 927 NINTH ST OFFICE BLDG, RICHMOND, VA 23219. Services to narcotic addicts (human).
- NOIDA-40131-00** (**) HERNER & COMPANY, 2100 M' ST., N.W., WASHINGTON, D.C. 20037. Editing and reclassifying the drug abuse information resource and material file.
- NOIDA-40132-00** (**) WOODARD RES CORP, 12310 PINECREST RD, P.O. BOX 405, HERRIDON, VA 22070. Toxicological evaluation of narcotics and narcotic antagonists (animals).
- NOIDA-40133-00** (**) NARCOTIC & DRUG RES, INC., EXEC PARK TOWER BLDG, ALBANY, N.Y. 12203. Metabolic and pharmacokinetic studies of naltrone (human).
- NOIDA-40134-00** (**) LITTLE, ARTHUR D, INC, ACORN PARK, CAMBRIDGE, MASS 02140. Production of cannabinoids by synthetic means.
- NOIDA-40135-00** (**) HERNER & COMPANY, 2100 M' ST., N.W., WASHINGTON, D.C. 20037. Acquisition and abstracting of drug abuse literature.
- NOIDA-40136-00** (**) DRUG ABUSE AUTHORITY, 4815 WEST MARKHAM ST., LITTLE ROCK, ARK 72201. Integrated drug abuse reporting process.
- NOIDA-40137-00** (**) ACTION PRIORITIES, INC, 154 WEST 57TH ST, STUDIO 847, NEW YORK, N.Y. 10019. Development and testing of a model rural drug education program.
- NOIDA-40138-00** (**) BRX, INC., 890 WINTON RD SOUTH, ROCHESTER, N.Y. 14618. Drug education information material evaluation.
- NOIDA-40139-00** (**) MIDWEST RES INST, 425 VOLKER BOULEVARD, KANSAS CITY, MISSOURI 64108. Use of biofeedback with opiate addicts (human).
- NOIDA-40140-00** (**) BATTELLE MEMORIAL INST, 505 KING AVE, COLUMBUS, OHIO 43201. Quantification of abused drugs in biological media by mass spectrometry.
- NOIDA-40141-00** (**) UNIV OF MISSOURI, SCHOOL OF MEDICINE, 2220 HOLMES ST, KANSAS CITY, MISSOURI 64108. New narcotic antagonists and long-acting antagonist preparation (human).
- NOIDA-40142-00** (**) DEPT. PUBLIC WELFARE, 402 METRO SQUARE BLDG., ST. PAUL MINN 55101. Integrated drug abuse reporting process.
- NOIDA-40143-00** (**) DUKE UNIVERSITY, DEPT OF CHEMISTRY, DURHAM, N.C. 27706. Synthesis of labeled cocaine and its metabolites.
- NOIDA-40144-00** (**) WYNNIE ASSOC, 3804 LEGATION ST, N.W., WASHINGTON, D.C. 20015. Facts and myths about human cocaine use and abuse.
- NOIDA-40145-00** (**) DEPT MENTAL HEALTH, STATE CAPITOL, CHARLESTON, WEST VIRGINIA 2530. Drug abuse reporting process.
- NOIDA-40146-00** (**) MICHIGAN STATE UNIV, RESEARCH AND CONTRACTS ADM, EAST LANSING, MICHIGAN 48824. Interaction studies with stimulants and depressants.
- NOIDA-40147-00** (**) GENERAL RES CORP, 7655 OLD SPRINGHOUSE RD, MCLEAN, VA 22101. Development and implementation of a supply system for research drugs.
- NOIDA-40143-00** (**) GROWTH PROJECTS INC., 50MAPLE AVE, MORRISTOWN, N.J. 07960. National search for youth initiatives in drug abuse prevention.
- NOIDA-40149-00** (**) KANSAS CITY MH HLTH FDM, 600 EAST 22ND ST, KANSAS CITY, MISSOURI 64108. Patterns and life styles of human cocaine users.
- NOIDA-40150-00** (**) THE CITY OF N.Y., ADDICTION SER AGENCY, 65-71 WORTH ST, NEW YORK, N.Y. 10013. Vocational rehabilitation and manpower service for former drug abusers.
- NOIDA-40151-00** (**) STATE OF OREGON, MENTAL HLTH DIV, 2570 CENTER ST, N E, SALEM, OREGON 97310. Services to narcotic addicts and drug abusers (human).
- NOIDA-40152-00** (**) TRUSTEES UNIV PENNSYLVANIA, 3451 WALNUT ST, PHILADELPHIA, PA 19174. Propoxyphene napsylate in maintenance therapy for narcotic addiction (human).
- NOIDA-40134-00** (**) BROWN ENG COMPANY, RESEARCH PARK, HUNTSVILLE, ALA 35807. Evaluation, planning and control system for programs and clinics.
- NOIDA-40153-00** (**) AUERBACH ASSO, INC., 121 NORTH BROAD ST, PHILADELPHIA, PA 19107. Integration of all drug abuse EDP systems.
- NOIDA-40156-00** (**) BROWN ENG CO, INC., CUMMINGS RESEARCH PARK, HUNTSVILLE, ALA 35807. Drug abuse information program data processing requirements.
- NOIDA-40157-00** (**) ALZA CORPORATION, 950 PAGE MILL RD, PALO ALTO, CALIF 94304. Sustained release delivery systems for narcotic antagonists.
- NOIDA-40158-00** (**) UNIV RES CORP, 5530 WISCONSIN AVE, SUITE 1600, WASHINGTON, D.C. 20015. Credentialing of drug abuse treatment and rehabilitation workers.
- NOIDA-40159-00** (**) PUBLIC HLTH FDM LA COUNTY, 313 NORTH FIGUEROA ST, LOS ANGELES, CALIF 90012. Efficacy of propoxyphene napsylate in maintenance therapy for narcotic addiction.
- NOIDA-40160-00** (**) DEPT. MH & MR, 65 FRONT ST., COLUMBUS, OHIO 43215. Services to narcotic addicts.
- NOIDA-40161-00** (**) SYSTEM SCIENCES, INC., 4720 MONTGOMERY LANE, BETHESDA, MD 20014. Client oriented data acquisition process system.
- NOIDA-40162-00** (**) DIV MENTAL HEALTH, 655 NO 5TH ST., PO BOX 44215, BATON ROUGE, LA 70704. Services to narcotic addicts.
- NOIDA-40163-00** (**) KALAMAZOO STATE HOSP, OAKLAND DRIVE, KALAMAZOO, MICHIGAN 49001. Evaluation of cocaine on aggressive behavior (pigeons, mice, monkeys).
- NOIDA-40164-64** (**) YALE UNIVERSITY, 333 CEDAR ST, NEW HAVEN, CONNECTICUT 06510. Acute effects of cocaine on man.

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- NOIDA-40165-00** (**) UNIV OF CHICAGO, DEPT OF PSYCHIATRY, 5801 S. ELLIS AVE, CHICAGO, ILL 60637. Acute effects of cocaine on complex human performance.
- NOIDA-40166-00** (**) SYNVAR ASSO, D/B/A SYVA CO, 3181 PORTER DRIVE, PALO ALTO CALIF 94304. Development of an immunoassay for cannabinoids.
- NOIDA-40167-00** (**) ADDICTIVE DISEASES UNIT, STATE CAPITOL, HELENA, MONTANA 59601. Drug abuse reporting process.
- NOIDA-40168-00** (**) DIV DRUG, SUBSTANCES CONTROL, DEPT HLTH, OFFICE BLDG 02, PIERRE, SO. DAK 57501. Drug abuse reporting process.
- NOIDA-40170-00** (**) MCGLOTHLIN, WILLIAM, UNIV CALIFORNIA, LOS ANGELES, CAL 90024. Design of and participation in a CEN TO conference.
- NOIDA-40172-00** (**) DEPT ENVIRONMENTAL SERV, STATEHOUSE, BOISE, IDAHO 83720. Integrated drug abuse reporting process.
- NOIDA-40173-00** (**) DEPT HEALTH & SOC SERV, C/O DELAWARE STATE HOSP, NEW CASTLE, DELAWARE 19720. Drug abuse reporting process.
- NOIDA-40174-00** (**) MENTAL HLTH MENTAL RETARD, STATE OFFICE BLDG, CHEYENNE, WYOMING 82002. Implement an integrated drug abuse reporting process.
- NOIDA-40176-00** (**) CREATIVE SOCIO-MEDICS CORP, 130 EAST 59TH ST, NEW YORK, N.Y. 10022. Polydrug abuse research demonstration.
- NOIDA-40177-00** (**) DRUG ABUSE PREVENTION OFF, 209 GENERAL ADMIN BLDG, OLYMPIA, WASHINGTON 98504. Integrated drug abuse reporting process.
- NOIDA-40179-00** (**) RESEARCH TRIANGLE INST, P.O. BOX 12194, RESEARCH TRIANGLE PARK, N.C.. Synthesis of stimulants, depressants and hallucinogens subject to abuse.
- NOIDA-40181-00** (**) ADV COMP TECHNIQUES CORP, 437 MADISON AVE, NEW YORK, N.Y. 10022. Drug abuse prevention resource units data bank.
- NOIDA-40182-00** (**) WORLD HEALTH ORGANIZATION, 1211 GENEVA 27, SWITZERLAND. Drug abuse potential of stimulants, depressants and hallucinogens.
- NOIDA-40183-00** (**) YALE UNIV, 333 CEDAR ST, NEW HAVEN, CONNECTICUT 06520. Training and manpower development for drug treatment programs.
- NOIDA-40184-00** (**) STATE OF CALIF, STATE OFF NARCOTICS & DRUG ABU, SUITE 300 926 J ST, SACRAMENTO, CALIF 95814. Services to narcotic addicts.
- NOIDA-40185-00** (**) UNIV OF MIAMI, CORAL GABLES, FLORIDA 33124. Training and manpower development for drug treatment programs.
- NOIDA-40186-00** (**) ADDICTION SCI SERV, INC., 347 WHITEHALL DR, PALATINE, ILLINOIS. Training and manpower development for drug treatment programs.
- NOIDA-40187-00** (**) SOCIAL ACTION RES CTR., 2728 DURANT AVE, BERKELEY CALIF 94704. Training and manpower development for drug treatment programs.
- NOIDA-40189-00** (**) WEST PHILADELPHIA COMM, MENTAL HLTH CONSORTIUM, INC, 34TH CMIC CTR BLDV, PO 8076, PHILADELPHIA, PA 19101. Propoxyphene napsylate in maintenance therapy for narcotic addiction (human).
- NOIDA-40190-00** (**) METCOR, INC., 2000 P ST, N.W., WASHINGTON, D.C.. Survey of new techniques for the treatment of drug abusers.
- NOIDA-40191-00** (**) STATE OF FLORIDA, DEPT. HLTH, OFFICE OF DRUG ABUSE, 1323 WINEWOOD BLDV., TALLAHASSEE, FLA 32301. Services to narcotic addicts and drug abusers (human).
- NOIDA-40195-00** (**) DEPT MENTAL HEALTH, 300 CORDELL HULL BLDG., NASHVILLE, TENN 37219. Integrated drug abuse reporting process.
- NOIDA-40196-00** (**) STATE DEPT HEALTH, 320 AVE B, EAST, BISMARCK, ND DAK 58501. Integrated drug abuse reporting process.
- NOIDA-40197-00** (**) OFF ALCOHOL & DRUG PREV, 32 WINTHROP ST., KENNEBEC CITY, AUGUSTA, MAINE 04330. Integrated drug abuse reporting phase.
- NOIDA-40198-00** (**) DIV MENTAL HEALTH, 615 PEACHTREE ST., N.E., ATLANTA, GA 30308. Integrated drug abuse reporting process.
- NOIDA-40199-00** (**) DEPT HOSPITAL INSTITUTIONS, 101 W. MARCY, SANTA FE, NEW MEXICO 87501. Integrated drug abuse reporting process.
- NOIDA-40200-00** (**) STATE OF INDIANA, DEPT MENTAL HLTH, DRUG ABUSE DIV, 1315 W. TENTH ST. INDIANAPOLIS. Services to narcotic addicts.
- NOIDA-40201-00** (**) COMMONWEALTH OF KENTUCKY, DEPT OF HUMAN RESOURCES, BUREAU HEALTH SERVICES, P.O. BOX 678 FRANKFORT, KY. Placement and treatment of neuropsychiatric patients.
- NOIDA-40202-00** (**) ZANES, ANNE, 21 AUDOBON AVE, NEW YORK, N.Y. 10032. Drug prevention programs abroad for the foreign service community.
- NOIDA-40203-00** (**) TRAINING CORPORATION AMERICA, 2021 L ST, N W, WASHINGTON, D.C. 20036. Addict rehabilitation-manpower training program.
- NOIDA-40204-00** (**) INFORMATICS, INC., 6000 EXECUTIVE BLVD, ROCKVILLE, MD 20852. Library cataloging service.
- NOIDA-40205-00** (**) COMMONWEALTH OF PENN, GOVERNOR'S COUN DRUG ALCO ABUS, 2101 NORTH FRONT ST, HARRISBURG, PA 17102. Integrated drug abuse reporting process.
- NOIDA-40207-00** (**) STATE OF ALASKA, DEPT. HEALTH SOCIAL SERV, POUCH H, JUNEAU, ALASKA 99801. Integrated drug abuse reporting process.
- NOIDA-40208-00** (**) OFF DRUG ABUSE PREVENTION, 3CAPITOL ST., ROOM 404, CONCORD, NEW HAMPSHIRE 03301. Integrated drug abuse reporting process.
- NOIDA-40209-00** (**) WHITE, E H & CO, INC, 5517 GEARY BLVD., 0205, SAN FRANCISCO CALIF 94121. Evaluation of free clinics.
- NOIDA-40210-00** (**) MIDDLESEX COUNTY HOSP, 775 TRAPELO RD., WALTHAM, MASS 02154. Services to narcotic addicts and drug abusers (human).
- NOIDA-40211-00** (**) NATL COORD COUNCIL DRUG EDUC, SUITE 212,1211 CONN. AVE, N.W., WASHINGTON, D.C. 20036. Drug prevention program models.
- NOIDA-40212-00** (**) STATE OF CALIFORNIA, OFF NARC & DRUG ABUSE, 926 J ST, SACRAMENTO, CALIF 95814. Services to narcotic addicts.
- NOIDA-40213-00** (**) DEPT MNTL HLTH & RETARD, MANAGEMENT DIV OPDS, 65SOUTH FRONT ST, COLUMBUS, OHIO 43215. Integrated drug abuse reporting process.
- NOIDA-40214-00** (**) MD DRUG ABUSE ADMIN, DEPT HLTH & MNTL HYGIENE, 2305 NO CHARLES ST, BALTIMORE, MD 21218. Integrated drug abuse reporting process.
- NOIDA-40215-00** (**) OFF NARC DRUG ABUSE, HEALTH AND WELFARE AGENCY, 915 CAPITOL MALL, ROOM 235, SACRAMENTO, CALIF 95814. Integrated drug abuse reporting process.
- NOIDA-40216-00** (**) DEPT ADDICTION SERV, P.O. BOX 1276. Integrated drug abuse reporting process.
- NOIDA-40217-00** (**) DEPT HEALTH, P.O. BOX 1442, CHARLOTTE AMALIE, ST. THOMAS, V.I. 00801. Integrated drug abuse reporting process.
- NOIDA-40218-00** (**) LITTLE, ARTHUR D, INC, ACORN PARK, CAMBRIDGE, MASS 02140. Sustained release delivery systems for narcotic antagonists.
- NOIDA-40219-00** (**) BATTLE MEMORIAL INST, PACIFIC NORTHWEST LABS, P.O. BOX 999, RICHLAND, WASH 99352. Sustained release delivery systems for narcotic antagonists (mice).
- NOIDA-40221-00** (**) NATL INST COMM DEVEL, INC., 2021 'K' ST, N.W., WASHINGTON, D.C. 20006. Evaluation of services of the impact of action project.
- NOIDA-40223-00** (**) DC DEPT HUMAN RESOURCES, DISTRICT BLDG., RM 418, 14TH & E STS., N.W., WASHINGTON, D.C. 20004. Integrated drug abuse reporting process.
- NOIDA-40224-00** (**) STATE OF ILL, ILL DANGEROUS DRUGS ADV COUN, 150 NORTH WACKER DR, SUITE 600, CHICAGO, ILL 60606. Integrated drug abuse reporting process.
- NOIDA-40225-00** (**) STATE OF RHODE ISLAND, MENTAL HEALTH, RETARDATION HOS, 600 NEW LONDON AVE, CRANSTON, RHODE ISLAND. Integrated drug abuse reporting process.
- NOIDA-40226-00** (**) STATE OF KANSAS, DRUG ABUSE COMM, 715 HARRISON, 2ND FLOOR, TOPEKA, KANSAS 66603. Integrated drug abuse reporting process.
- NOIDA-40228-00** (**) LITTLEJOHN, ROY, ASSOC., 1335 GREEN COURT, N.W., WASHINGTON, D.C. 20005. Review and assessment of training and education programs.
- NOIDA-40409-00** (**) SOCIAL SYSTEMS INTERVENTION, 3603 14TH ST N.W., WASHINGTON, D.C. 20010. Summary statements on training and drug/alcohol.
- NOIDA-80989-16** (**) VOCATIONAL GUIDANCE SERV, 2525 SAN JACINTO ST, HOUSTON, TEXAS 77002. Service to narcotic addicts.
- NOIDA-81468-10** (**) FAMILY SER PRINCE GEORGES CO, 4318HAMILTON ST, HYATTSVILLE, MARYLAND 20781. Rehabilitation services to narcotic addicts.
- NOIDA-81508-06** (**) MALCOLM BLISS MH CR, 1420 GRATTAN ST, ST LOUIS MISSOURI 63104. Rehabilitation services to narcotic addicts.
- NOIDA-81520-09** (**) TULANE UNIV, SCHOOL OF MED, NEW ORLEANS, LOUISIANA 70112. Rehabilitation services to narcotic addicts.
- NOIDA-81524-07** (**) WAYNE COUNTY HEALTH DEPT, CITY-SOUNTY BLDG ROOM 352, DETROIT, MICH 48226. Rehabilitation services to narcotic addicts.
- NOIDA-81526-07** (**) WISCONSIN CORRECTIONAL SERVICE, 436 W. WISCONSIN AVE, MILWAUKEE, WISCONSIN 53203. Rehabilitation services to narcotic addicts.
- NOIDA-81531-06** (**) GREATER KANSAS CITY MH FDM, 600 EAST 22ND ST, KANSAS CITY MISSOURI 64108. Rehabilitation services to narcotic addicts.
- NOIDA-90005-13** (**) OREGON MH DIV, 2570 CENTER ST, N E, SALEM, ORE. Rehabilitation services to narcotic addicts.
- NOIDA-90006-15** (**) TEXAS CHRISTIAN UNIV, FORT WORTH, TEXAS 76129. Narcotic addict and drug abuse reporting system.
- NOIDA-90009-10** (**) SPECTRUM PROGRAMS, INC, 1 NORTHWEST 67TH ST, MIAMI, FLORIDA 33150. Services to narcotic addicts.
- NOIDA-90014-07** (**) BCOR YOUTH OPPOR AGY NARC DIV, 314 WEST SIXTH ST, LOS ANGELES, CAL 90014. Services to narcotic addicts.
- NOIDA-90025-07** (**) LANGDON PSYCHIATRIC CLINIC, 3401 EAST 42ND AVE, ANCHORAGE, ALASKA 99504. Rehabilitation services to narcotic addicts.
- NOIDA-90028-07** (**) CHILD & FAMILY SERVICE, 200NORTH VINEYARD BLVD, HONOLULU, HAWAII 96817. Rehabilitation services to narcotic addicts.
- NOIDA-90029-05** (**) FAMILY SERV ASSN, 3833 JURUPA AVE, RIVERSIDE, CALIF 92506. Rehabilitation services to narcotic addicts.
- NOIDA-90033-06** (**) FAMILY SERVICE AGENCY, 800 SANTA BARBARA STREET, SANTA BARBARA, CAL 93101. Rehabilitation services to narcotic addicts.
- NOIDA-90036-07** (**) AUSTIN-TRAVIS COUNTY MH, MR CR, 1516 RED RIVER, AUSTIN, TEXAS 78701. Rehabilitation services to narcotic addicts.
- NOIDA-90028-06** (**) FAMILY COUNSELING SERVICE, 4438 NORTH BLVD, BATON ROUGE, LA 70806. Services to narcotic addicts.
- NOIDA-90040-08** (**) FAMILY SERVICE CENTER, 442 NORTH FULTON, FRESNO, CAL 93701. Rehabilitation services to narcotic addicts.
- NOIDA-90064-09** (**) FAMILY SERV MH CR, OAK PARK AND RIVER FOREST, 101 N MARION ST, OAK PARK, ILLINOIS 60301. Rehabilitation service to narcotic addicts.
- NOIDE-12062-06** (**) HARRIS, NORMAN O, SAN JUAN, PUERTO RICO. Field trial for a dental adhesive sealant material.
- NOIDE-12330-04** (**) BAHN, ARTHUR M, EDWARDSVILLE, ILLINOIS. Immunization with enzymes from cariogenic streptococci (rats).
- NOIDE-12332-03** (**) BURNETT, GEORGE W, AUGUSTA, GEORGIA. Anticaries efficacy of certain agents (rats).
- NOIDE-12375-07** (**) DEPAOLA, PAUL, BOSTON, MASSACHUSETTS. Study topical use of acidified NH4 F versus acidified Na F (human).
- NOIDE-12379-06** (**) DEPAOLA, PAUL, BOSTON, MASSACHUSETTS. Study NH4 F mouthrinse versus high potency fluoride rinse (human).
- NOIDE-12380-04** (**) FINN, SIDNEY, BIRMINGHAM, ALABAMA. Study trimetaphosphato chewing gum (human).
- NOIDE-12386-04** (**) MARSHALL, ROBERT P, RICHLAND, WASHINGTON. Artificial dental anchors of non-natural design (miniature swine).
- NOIDE-22003-05** (**) BARNES, DAVID E, GENEVA, SWITZERLAND. Study dental caries etiology in Papua, New Guinea.
- NOIDE-22005-04** (**) SCHIOTT, RINDOM C, AARHUS, DENMARK. Longitudinal study of chlorhexidine (human).
- NOIDE-22030-05** (**) KOULOURIDES, THEODORE, BIRMINGHAM, ALABAMA. Evaluation of intraoral test of human cariogenicity.
- NOIDE-22400-02** (**) ZIMMER, DORAN D, CORAL GABLES, FLORIDA. Fluoride uptake in tooth enamel and anti-caries effects (human).
- NOIDE-22401-02** (**) MUNGER, B L, UNIVERSITY PARK, PENNSYLVANIA. Fetal and infantile development of oral sensory receptors in primates.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1DE-22402-02 (**)** DANIELS, CHARLES A, DURHAM, NORTH CAROLINA. Interaction of rheumatoid factor with infectious antibody complexes (human).
- NO1DE-22407-02 (**)** LILJEMARK, WILLIAM F, MINNEAPOLIS, MINNESOTA. Study agents affecting adherence of cariogenic microorganisms.
- NO1DE-22415-01 (**)** LILJEMARK, WILLIAM F, MINNEAPOLIS, MINNESOTA. Dental plaque indicators (human).
- NO1DE-32405-01 (**)** NISHIMURA, HIDEO, TOKYO, JAPAN. Prenatal development of human oral and facial structure.
- NO1DE-32408-01 (**)** COLE, MICHAEL F, LONDON, ENGLAND. Effect of dietary additives on plaque chemistry and caries incidence (monkeys).
- NO1DE-32417-01 (**)** KINGSBURY, ELIZABETH W, BETHESDA, MARYLAND. Localization of certain hydrolytic enzymes in periodontal ligament (rats).
- NO1DE-32419-01 (**)** STEFFEK, ANTHONY J, CHICAGO, ILLINOIS. Scanning electron microscopy of migrating embryonic cells (chick embryo).
- NO1DE-32425-01 (**)** RAWLS, HENRY R, NEW ORLEANS, LOUISIANA. Fluorescent dye diagnosis for detection of dental caries (human).
- NO1DE-32427-02 (**)** FARRELL, E W, JACKSONVILLE, FLORIDA. Clinical trial of mouthrinse and dentrifice (human).
- NO1DE-32429-01 (**)** WEI, STEPHEN H, IOWA CITY, IOWA. Biopsy techniques for fluoride content of tooth enamel (human, cattle).
- NO1DE-32430-01 (**)** LOBENE, RALPH R, BOSTON, MASSACHUSETTS. Antimicrobial and anti-plaque agents (human).
- NO1DE-42431-00 (**)** MONCADA, FELIX, COLUMBIA, SOUTH AMERICA. Experimental development of invert panels.
- NO1DE-42434-00 (**)** BOYD, DALE D, VIENNA, VIRGINIA. Anti-caries immunization in sub-human primates.
- NO1DE-42435-00 (**)** TANQUARY, A CHARLES, BIRMINGHAM, ALABAMA. Development of improved materials for extraoral maxillofacial prosthesis.
- NO1DE-42436-00 (**)** ROBESON, LLOYD M, BOUND BROOK, NEW JERSEY. Materials for extraoral maxillofacial prosthesis.
- NO1DE-42437-00 (**)** TANZER, JASON M, FARMINGTON, CONNECTICUT. Prevention of human periodontal plaque.
- NO1DE-42438-00 (**)** TAUBMAN, MARTIN A, BOSTON, MASSACHUSETTS. Experimentally induced dental caries in rodents.
- NO1DE-42439-00 (**)** WYCOFF, SAMUEL J, SAN FRANCISCO, CALIFORNIA. Mouthrinse and development of plaque in humans.
- NO1DE-42440-00 (**)** GENCO, ROBERT J, ALBANY, NEW YORK. Chemical agents to prevent human periodontal plaque.
- NO1DE-42441-00 (**)** MACKENZIE, IAN C, IOWA CITY, IOWA. Nutrition on the epithelium of oral mucous membranes (primates).
- NO1DE-42442-00 (**)** ENWONWU, CYRIL, SEATTLE, WASHINGTON. Nutrition on the epithelium of oral mucous membranes.
- NO1DE-42443-00 (**)** GRAVES, RICHARD C, ANN ARBOR, MICHIGAN. Fluoridation on incidence of human caries.
- NO1DE-42444-00 (**)** LU, KUO H, PORTLAND, OREGON. Fluoride administration in controlling dental caries.
- NO1DE-42445-00 (**)** DE PAOLA, PAUL F, BOSTON, MASSACHUSETTS. Fluoride administration in controlling dental caries (human).
- NO1DE-42446-00 (**)** COWSAR, DONALD R, BIRMINGHAM, ALABAMA. Fluoride releasing system for oral use (human).
- NO1DE-71475-10 (**)** REED, O M, SAN ANTONIO, TEXAS. Study of betel quid carcinogenesis (baboons).
- NO1DE-71476-10 (**)** REED, O M, SAN ANTONIO, TEXAS. Reimplantation of baboon teeth.
- NO1DH-14021-08 (**)** CRAWFORD, B J, CHICAGO, ILLINOIS. National dental manpower data compilation system.
- NO1DH-24077-07 (**)** BARMES, DAVID E, 1211 GENEVA 27, SWITZERLAND. International collaborative study of dental manpower systems.
- NO1DH-24182-04 (**)** WOLCOTT, ROBERT B, LOS ANGELES, CALIFORNIA. Train dental auxiliary students.
- NO1DH-24246-04 (**)** EISENBUD, LEON, NEW HYDE PARK, NEW YORK. Simulation of an HMO-type prepaid capitation group practice.
- NO1DH-24271-04 (**)** SMITH, CHARLES E, INDIANAPOLIS, INDIANA. School fluoridation program.
- NO1DH-34005-02 (**)** STERR, AMBROSE M, MILWAUKEE, WISCONSIN. Geographic distribution of dental manpower within the state of Wisconsin.
- NO1DH-34030-03 (**)** KELLEY, MARJORIE L, SAN FRANCISCO, CALIFORNIA. Evaluation of instructional materials of project ACORDE.
- NO1DH-44059-00 (**)** HOUPT, MILTON, JERSEY CITY, NEW JERSEY. Models for dentition.
- NO1DH-44060-00 (**)** DEMPSEY, J E, LEXINGTON, KENTUCKY. Demonstration dental practice.
- NO1DH-44061-00 (**)** O'DONNELL, ROBERT G, CHICAGO, ILLINOIS. National conference on continuing dental education.
- NO1DH-44064-00 (**)** LOUPE, MICHAEL J, MINNEAPOLIS, MINNESOTA. Simulated and clinical TEAM programs.
- NO1DH-44065-00 (**)** KRESS, GERALD, CAMBRIDGE, MASSACHUSETTS. Conduct of an intensive two-week workshop for TEAM faculty.
- NO1DH-44066-00 (**)** RAGAN, JOHN C, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Methodologies of prepaid dental plans.
- NO1DH-44071-00 (**)** JONES, KEARNEY L, ALBANY, NEW YORK. Fluoridation.
- NO1DH-44088-00 (**)** WOODALL, IRENE R, KALAMAZOO, MICHIGAN. Conference on dental hygiene curriculum.
- NO1DH-44089-00 (**)** DEMPSEY, J E, GAINESVILLE, FLORIDA. Dental simulation model.
- NO1DH-44091-00 (**)** WEIL, HENRY B, CAMBRIDGE, MASSACHUSETTS. Model of a dental care delivery system.
- NO1DH-44092-00 (**)** KLOOSTER, JUDSON, LOMA LINDA, CALIFORNIA. Preventive dentistry curriculum.
- NO1DH-44093-00 (**)** FELDSTEIN, PAUL, ANN ARBOR, MICHIGAN. Dental manpower econometric model.
- NO1DH-44095-00 (**)** SNYDER, DAVID, SILVER SPRING, MARYLAND. National survey of dentists practice characteristics.
- NO1DH-44097-00 (**)** PASCHAL, E, CHICAGO, ILLINOIS. Survey of licensed dental hygienist.
- NO1DH-44099-00 (**)** HAUBER, CARL H, CHICAGO, ILLINOIS. Dental hygiene board examinations.
- NO1DH-44101-00 (**)** GREENWAY, JAMES H, ANN ARBOR, MICHIGAN. Cost analysis of dental treatment.
- NO1DH-44107-00 (**)** GERRY, RALPH, BOSTON, MASSACHUSETTS. Training in expanded auxiliary management programs.
- NO1DH-44117-00 (**)** KELLEY, MARJORIE, CASTRO VALLEY, CALIFORNIA. Dentistry.
- NO1DH-44118-00 (**)** BATEMAN, STANLEY C, SAN FRANCISCO, CALIFORNIA. Tooth debritement and related training.
- NO1DH-44137-00 (**)** REDIG, DALE F, SAN FRANCISCO, CALIFORNIA. Utilization of dental auxiliaries.
- NO1DH-44138-00 (**)** TUR, L, LOUISVILLE, KENTUCKY. Development of a computerized patient scheduling system.
- NO1DH-44145-00 (**)** MARTIN, RUSSELL W JR, PRINCETON, NEW JERSEY. Training for expanded dental auxiliaries.
- NO1DH-44188-00 (**)** HUGHES, JOHN, CHAPEL HILL, NORTH CAROLINA. Workshop for identifying behavioral objectives for dental public health education.
- NO1DH-44226-00 (**)** CHOIXIE, DONALD, AUGUSTA, MAINE. Fluorination program in schools.
- NO1DH-44227-00 (**)** KELLOW, FRED S, CHEYENNE, WYOMING. Fluorination program in schools.
- NO1ES-02288-04 (**)** SUTTON, H ELDON, AUSTIN, TEXAS. Detection of human somatic mutations.
- NO1ES-22043-05 (**)** WILDUNG, RAYMOND E, RICHLAND, WASHINGTON. Fate of heavy metals and heavy metal complexes in soils and plants.
- NO1ES-22084-06 (**)** LEE, C C, KANSAS CITY, MISSOURI. Long range toxicologic effect of specific fungicides (rats, mice).
- NO1ES-22090-03 (**)** SMITH, I C, KANSAS CITY, MISSOURI. Appraisal of environmental exposure to heavy metals.
- NO1ES-22093-07 (**)** HARRISON, STANLEY L, EVANSTON, ILLINOIS. Early detection of environmental agents that induce children's diseases.
- NO1ES-22110-06 (**)** HAWKINS, JOSEPH E, JR, ANN ARBOR, MICHIGAN. Noise and ototoxic drugs on hearing loss (guinea pigs).
- NO1ES-32102-03 (**)** SCHWETZ, BERNARD A, MIDLAND, MICHIGAN. Effects of environmental components on reproduction and ontogenesis (mammals).
- NO1ES-32113-04 (**)** GAVIN, JOHN J, ELKHART, INDIANA. Genetic tests to characterize specific locus mutants in Neurospora.
- NO1ES-42149-00 (**)** CARTER, ROBERT E, MINNEAPOLIS, MINNESOTA. Biologic specimens exposed to orally ingested asbestos fibers.
- NO1ES-42151-00 (**)** NUTE, PETER E, SEATTLE, WASHINGTON. Detection of point mutations in human somatic cells (human).
- NO1ES-42154-00 (**)** BOLLINGER, JAMES M, SAN ANTONIO, TEXAS. The interaction of specific air pollutants with lung lipids.
- NO1ES-42156-00 (**)** RODERICK, THOMAS H, BAR HARBOR, MAINE. Development of a system for detecting lethal mutations in mice.
- NO1ES-42159-00 (**)** RODERICK, THOMAS H, BAR HARBOR, MAINE. Development of a new mouse strain maximize sensitivity of a point mutation assay.
- NO1ES-42161-00 (**)** MINOR, JAN J, KANSAS CITY, MISSOURI. Teratology of thioxanthone derivatives (mice).
- NO1EY-32116-03 (**)** SHAPPER, ROBERT N, SAN FRANCISCO, CALIFORNIA. Small scale test procedure-nerve fiber bundle defects (human).
- NO1EY-32118-03 (**)** NORTON, EDWARD W, CORAL GABLES, FLORIDA. Diabetic retinopathy study (human).
- NO1EY-32119-02 (**)** TASMAN, WILLIAM S, PHILADELPHIA, PENNSYLVANIA. Diabetic retinopathy study (human).
- NO1EY-32121-02 (**)** MYERS, FRANK L, MADISON, WISCONSIN. Diabetic retinopathy study (human).
- NO1EY-32122-02 (**)** RIEKHOF, F TEMPLE, SALT LAKE CITY, UTAH. Diabetic retinopathy study (human).
- NO1EY-32123-02 (**)** WATZKE, ROBERT C, IOWA CITY, IOWA. Diabetic retinopathy study (human).
- NO1EY-32124-02 (**)** VAN HEUVEN, WICHARD A, ALBANY, NEW YORK. Diabetic retinopathy study (human).
- NO1EY-32125-02 (**)** GOLDBERG, MORTON F, CHICAGO, ILLINOIS. Diabetic retinopathy study (human).
- NO1EY-32126-03 (**)** HARRIS, JOHN E, MINNEAPOLIS, MINNESOTA. Diabetic retinopathy study (human).
- NO1EY-32127-03 (**)** PATZ, ARNALL, BALTIMORE, MARYLAND. Diabetic retinopathy study (human).
- NO1EY-32129-02 (**)** KNATTERUD, GENELL L, BALTIMORE, MARYLAND. Diabetic retinopathy study (human).
- NO1EY-32130-02 (**)** DAVIS, MATTHEW D, MADISON, WISCONSIN. Diabetic retinopathy study (human).
- NO1EY-42128-02 (**)** MC LEAN, EDWARD B, SEATTLE, WASHINGTON. Diabetic retinopathy study.
- NO1EY-42142-02 (**)** BERROCAL, JOSE, SAN JUAN, PUERTO RICO. Diabetic retinopathy study (clinic).
- NO1EY-42162-00 (**)** ANDERSON, BOBERT E, HOUSTON, TEXAS. Development of a method for large scale preparation of rod outer segments.
- NO1EY-42167-00 (**)** ARMAKY, MANSOUR F, WASHINGTON, DISTRICT OF COLUMBIA. Biostatistical analysis of collaborative glaucoma study (human).
- NO1EY-42170-00 (**)** BRADLEY, ROBERT F, BOSTON, MASSACHUSETTS. Diabetic retinopathy-clinical center (human).

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- NO1EY-42171-00 (** MARGHERIO, RAYMOND R, DETROIT, MICHIGAN. Diabetic retinopathy study (clinical center) (human).
- NO1EY-42172-00 (** MC MEEI, J W, BOSTON, MASSACHUSETTS. Diabetic retinopathy.
- NO1GM-22010-06 (** JICK, HERSCHEL, BOSTON, MASSACHUSETTS. Collaborative drug surveillance program (human, mammals nonhuman).
- NO1GM-32104-02 (** TENOSA, HAROLD J, EL MONTE, CALIFORNIA. Develop a latex agglutination technique for rapid diagnosis of viral diseases.
- NO1GM-32112-04 (** CORIELL, LEWIS L, CAMDEN, NEW JERSEY. Operation of human genetic mutant cell.
- NO1GM-40044-10 0013 (** PAUL, MARTIN A, . Survey of data on child abuse.
- NO1GM-40044-15 0017 (** DUNHAM, CHARLES L, . Survey of data on child abuse.
- NO1GM-42148-03 (** JICK, HERSCHEL, BOSTON, MASSACHUSETTS. Collaborative drug surveillance program (human).
- NO1GM-42155-00 (** ORLOFF, MARSHALL J, LA JOLLA, CALIFORNIA. Evaluation of surgical research.
- NO1GM-42157-00 (** VINKEN, PIERRE J, PRINCETON, NEW JERSEY. Evaluation of surgical research.
- NO1GM-42166-00 (** TRUMBLE, L, WASHINGTON, DISTRICT OF COLUMBIA. Symposium on biological pyridoxal catalysis.
- NO1GM-51057-22 (** WALL, MONROE E, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Study on drug metabolism (human, mice, dogs, rabbits).
- NO1HB-02213-06 (** ASTER, RICHARD H, MILWAUKEE, WISCONSIN. Studies to improve methods of platelet preservation (human).
- NO1HB-02214-06 (** SUCHTER, SHERRILL J, SEATTLE, WASHINGTON. Studies to improve methods of platelet preservation (human).
- NO1HB-12017-07 (** KRONICK, PAUL L, PHILADELPHIA, PENNSYLVANIA. Fabrication of grafted hydrogel coatings for plastic heart assist devices.
- NO1HB-12054-08 (** KAHN, RAYMOND H, ANN ARBOR, MICHIGAN. Development of intimal linings (human, cattle).
- NO1HB-12064-04 (** GRADY, GEORGE F, CAMBRIDGE, MASSACHUSETTS. Preparation of hepatitis associated anti-body (human).
- NO1HB-12104-06 (** KEVY, SHERWIN V, SAN DIEGO, CALIFORNIA. Study ability of stored blood to transport oxygen (rabbits, human).
- NO1HB-12252-03 (** BALDINI, MARIO G, PAWTUCKET, RHODE ISLAND. Improve methods of platelet preservation (human).
- NO1HB-12351-06 (** GITNICK, GARY L, LOS ANGELES, CALIFORNIA. Detection of hepatitis in blood (human).
- NO1HB-12353-09 (** AACH, RICHARD D, ST LOUIS, MISSOURI. Detection of hepatitis in blood (human, mammals nonhuman).
- NO1HB-12359-04 (** JOHNSON, ALAN J, NEW YORK, NEW YORK. Removal of infectious agent of hepatitis from blood (human).
- NO1HB-12364-05 (** ROZELLE, LEE T, MINNEAPOLIS, MINNESOTA. Provide ultrathin membranes for evaluation in blood oxygenators.
- NO1HB-12371-06 (** CERAMI, ANTHONY, NEW YORK, NEW YORK. Effects of cyanate in sickle cell disease therapy (human, dogs, monkeys).
- NO1HB-12393-03 (** IRAZOQUI, CARLOS, MOUNT VERNON, NEW YORK. Donor-recipient identification relating to blood transfusion.
- NO1HB-12401-05 (** KAZAZIAN, HAIG H, BALTIMORE, MARYLAND. Prenatal diagnosis of inherited blood diseases.
- NO1HB-12403-05 (** BOYER, SAMUEL, BALTIMORE, MARYLAND. Prenatal diagnosis of inherited blood diseases (human, goats, rabbits).
- NO1HB-12404-05 (** WEITKAMP, LOWELL R, ROCHESTER, NEW YORK. Prenatal diagnosis of inherited hematologic diseases (human).
- NO1HB-12408-03 (** PERKINS, HERBERT A, SAN FRANCISCO, CALIFORNIA. Histocompatibility antigen-poor blood (human).
- NO1HB-12409-06 (** MILLER, WILLIAM, LEXINGTON, KENTUCKY. Histocompatibility antigen poor blood (human).
- NO1HB-12410-04 (** POLESKY, H F, MINNEAPOLIS, MINNESOTA. Histocompatibility antigens-poor blood (human, mice).
- NO1HB-22906-03 (** FIALA, MILAN, TORRANCE, CALIFORNIA. Development of detection systems for cytomegalovirus (human, mammals).
- NO1HB-22908-03 (** GOLD, ELI, CLEVELAND, OHIO. Detection systems for cytomegalovirus as transmitted by blood transfusions.
- NO1HB-22909-02 (** BAYER, WILLIAM L, KANSAS CITY, MISSOURI. Detection systems for cytomegalovirus transmitted in blood (human).
- NO1HB-22910-04 (** LANG, DAVID J, DURHAM, NORTH CAROLINA. Relationship of blood transfusion to cytomegalovirus infection (human).
- NO1HB-22911-03 (** PAGANO, JOSEPH S, CHAPEL HILL, NORTH CAROLINA. Cytomegalovirus in human leukocytes and other tissues.
- NO1HB-22912-04 (** HO, MONTO, PITTSBURGH, PENNSYLVANIA. Relationship of blood transfusion to cytomegalovirus infection and disease.
- NO1HB-22918-03 (** PRASAD, ANANDA S, DETROIT, MICHIGAN. Studies in sickle cell disease (human, guinea pigs, rats).
- NO1HB-22919-03 (** DIEDERICH, DENNIS A, KANSAS CITY, KANSAS. Hemoglobin carbamylation in the treatment of sickle cell anemia.
- NO1HB-22920-03 (** NAGEL, RONALD L, NEW YORK, NEW YORK. Molecular and cellular studies on sickle cell anemia (human, animals).
- NO1HB-22922-03 (** BALCERZAK, S P, COLUMBUS, OHIO. Develop effective therapy for sickle cell disease (human, dogs).
- NO1HB-22925-02 (** BERTLES, JOHN F, NEW YORK, NEW YORK. Sickle cell studies (human).
- NO1HB-22927-03 (** ZALUSKY, RALPH, NEW YORK, NEW YORK. Sickle cell studies.
- NO1HB-22929-07 (** VILLAREJOS, VICTOR M, NEW ORLEANS, LOUISIANA. Safety of blood therapy research studies (human).
- NO1HB-22930-03 (** CHARACHE, SAMUEL, BALTIMORE, MARYLAND. Studies in sickle cell disease (human, dogs).
- NO1HB-22934-03 (** ZARKOWSKY, HAROLD S, ST LOUIS, MISSOURI. Studies in sickle cell disease.
- NO1HB-22946-03 (** JENSEN, WALLACE N, WASHINGTON, DISTRICT OF COLUMBIA. Studies in sickle cell disease (human).
- NO1HB-22950-04 (** PEARSON, H A, NEW HAVEN, CONNECTICUT. Studies in sickle cell disease (human).
- NO1HB-22951-04 (** GRADY, GEORGE F, BOSTON, MASSACHUSETTS. Hyper-immune gamma globulin for prophylaxis of persons exposed to HAA blood.
- NO1HB-22954-03 (** WATERMAN, MICHAEL R, DALLAS, TEXAS. Sickle cell disease (human).
- NO1HB-22956-04 (** GOLDBERG, MORTON F, CHICAGO, ILLINOIS. Studies in sickle cell disease (human).
- NO1HB-22960-06 (** PRINCE, ALFRED M, NEW YORK, NEW YORK. Clinical trials of hyper-immune gamma globulin (human).
- NO1HB-22961-04 (** PRINCE, ALFRED M, NEW YORK, NEW YORK. Safety of blood therapy research studies (human, primates).
- NO1HB-22962-04 (** ASAKURA, TOSHIO, PHILADELPHIA, PENNSYLVANIA. A study of the molecular and clinical aspects of sickle cell disease.
- NO1HB-22969-02 (** KEVY, SHERWIN V, BOSTON, MASSACHUSETTS. Toxicology of plastic devices having contact with blood (monkeys, human).
- NO1HB-22990-02 (** JOSEPHSON, AARON M, MORTON GROVE, ILLINOIS. Toxicology of plastics having contact with blood.
- NO1HB-22991-02 (** RUTTER, HENRY, VIENNA, VIRGINIA. Toxicology of plastics having contact with blood (dogs).
- NO1HB-32908-02 (** SWINYARD, EWART A, SALT LAKE CITY, UTAH. Toxicology of plastic devices having contact with blood (human, animals).
- NO1HB-32909-02 (** KARDOS, J L, ST LOUIS, MISSOURI. Materials development and testing.
- NO1HB-32910-03 (** LEONARD, EDWARD F, NEW YORK, NEW YORK. Coordinated studies of platelet and protein reactions on artificial materials.
- NO1HB-32912-01 (** STRATTON, WILLIAM O, SALT LAKE CITY, UTAH. Development of polymer fibers.
- NO1HB-32913-03 (** YASUDA, H, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Study electrodeless glow discharge for modifying polymer surface.
- NO1HB-32914-03 (** NOSE, YUKIHIKO, CLEVELAND, OHIO. Development of blood and tissue compatible materials.
- NO1HB-32916-02 (** KETTERINGHAM, J M, CAMBRIDGE, MASSACHUSETTS. Materials development and testing.
- NO1HB-32917-02 (** NYLAS, EMERY, EVERETT, MASSACHUSETTS. Materials development and testing.
- NO1HB-32918-02 (** GRODE, GERALD A, COLUMBUS, OHIO. Material development and testing heparinization processes (rabbits, dogs).
- NO1HB-32919-03 (** AISENBERG, SOL, WALTHAM, MASSACHUSETTS. Material development and testing heparinization processes.
- NO1HB-32921-02 (** SNOWDEN, DONALD P, SAN DIEGO, CALIFORNIA. Development of carbon film composites for use in prosthetic devices.
- NO1HB-32936-04 (** NAPIER, EDWARD A, JR, ANN ARBOR, MICHIGAN. Accumulation, toxicity and metabolism of common plasticizers in humans.
- NO1HB-32939-01 (** HABEEB, AHMED F, BIRMINGHAM, ALABAMA. Preparation and clinical trials of i.v. gamma globulin (human).
- NO1HB-32940-01 (** PENNELL, ROBERT B, BOSTON, MASSACHUSETTS. Preparation and clinical trials of intravenous IgG (human).
- NO1HB-32942-02 (** PIROFSKY, BERNARD, PORTLAND, OREGON. Preparation and clinical trials of intravenous gamma globulin (human).
- NO1HB-32943-01 (** MERCER, JOHN E, LANSING, MICHIGAN. Isolation of non-human (bovine) factor VIII for clinical use.
- NO1HB-32949-02 (** MORGAN, MARCUS S, PITTSBURGH, PENNSYLVANIA. Modification of silicon elastomers for medical devices.
- NO1HB-32950-02 (** KWIATKOWSKI, G T, BOUND BROOK, NEW JERSEY. Blood compatible poly-electrolytes.
- NO1HB-32952-04 (** WILLIAMS, MICHAEL C, BERKELEY, CALIFORNIA. Shear-induced hemolysis-Material and blood composition (human).
- NO1HB-32953-02 (** BAUER, ROBERT E, BUFFALO, NEW YORK. Materials compatible with blood (dogs).
- NO1HB-32954-03 (** MEYER, CHARLES H, JR, SAN DIEGO, CALIFORNIA. Compatibility of carbon and blood.
- NO1HB-32956-01 (** RODEY, GLENN E, MILWAUKEE, WISCONSIN. Study of platelet-typing.
- NO1HB-32957-01 (** HOAK, JOHN C, IOWA CITY, IOWA. Platelet typing and refractoriness to platelet transfusions.
- NO1HB-32958-02 (** MITTAL, KAMAL K, EVANSTON, ILLINOIS. Effects of 'matched' platelet transfusions (human).
- NO1HB-32959-02 (** BRAUMAN, SHABON, MENLO PARK, CALIFORNIA. Development of biomaterials.
- NO1HB-32968-02 (** PENNELL, ROBERT B, BOSTON, MASSACHUSETTS. New methods of plasma fractionation.
- NO1HB-32970-03 (** GARCIA, LUIS A, COSTA MESA, CALIFORNIA. New methods of plasma fractionation.
- NO1HB-32971-02 (** JOHNSON, ALAN J, NEW YORK, NEW YORK. Methods of plasma fractionation.
- NO1HB-32986-01 (** PERKINS, HERBERT A, SAN FRANCISCO, CALIFORNIA. Platelet typing and refractoriness to platelet transfusions (human).
- NO1HB-32989-01 (** JAVID, JAMSHID, NEW YORK, NEW YORK. Prenatal diagnosis of sickle cell anemia and variant hemoglobins.
- NO1HB-32996-01 (** SUCHTER, SHERRILL, SEATTLE, WASHINGTON. Platelet typing and refractoriness to platelet transfusions.
- NO1HB-33000-01 (** GIRISH, VYAS W, SAN FRANCISCO, CALIFORNIA. Detection of hepatitis in blood (human, mammals nonhuman).
- NO1HB-33006-01 (** MENDE, THOMAS J, MIAMI, FLORIDA. Laboratory diagnostic techniques for sickle cell disease.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1HB-33007-01 (** HUISMAN, TITUS H, AUGUSTA, GEORGIA. Chromatography in mass screening programs for hemoglobinopathies (human).
- NO1HB-33017-01 (** COLLINS, JOHN A, ST LOUIS, MISSOURI. A study of massive transfusion (human, swine).
- NO1HB-33019-01 (** ROSSE, WENDELL F, DURHAM, NORTH CAROLINA. Sickle cell and hemolytic disease cooperative study group.
- NO1HB-42925-00 (** COOPER, WILLIAM W, CAMBRIDGE, MASSACHUSETTS. Assessing clinical safety of frozen-thawed rod cells.
- NO1HB-42926-00 (** STRATTON, WILLIAM O, SALT LAKE CITY, UTAH. Evaluation of springy polypropylene as a prosthetic device.
- NO1HB-42927-00 (** MYHRE, BYRON A, TORRANCE, CALIFORNIA. Clinical safety of frozen-thawed rod cells.
- NO1HB-42928-00 (** MEYER, CHARLES H, JR, SAN DIEGO, CALIFORNIA. Continued development of carbon film deposits for prosthetics.
- NO1HB-42937-00 (** HILLMAN, ROBERT S, SEATTLE, WASHINGTON. Education program evaluation and development.
- NO1HB-42938-00 (** FINCH, CLEMENT A, SEATTLE, WASHINGTON. Preservation of granulocytes for transfusion.
- NO1HB-42945-00 (** COUNTS, RICHARD B, SEATTLE, WASHINGTON. Therapeutic use of bovine factor VIII (monkeys, rabbits).
- NO1HB-42946-00 (** BARLOW, GRANT H, NORTH CHICAGO, ILLINOIS. Isolate and test antithrombin III (human, dogs).
- NO1HB-42947-00 (** SWEBLEY, CHARLES C, EAST LANSING, MICHIGAN. Isolation and evaluation of products from plasma fractionation (human, animals).
- NO1HB-42948-00 (** BOWMAN, BARBARA H, GALVESTON, TEXAS. Isolation and evaluation of new products from plasma fractionation (human).
- NO1HB-42949-00 (** WOODSON, ROBERT D, MADISON, WISCONSIN. Ability of stored blood to transport oxygen (rats).
- NO1HB-42950-00 (** POPOVIC, VOJIN P, ATLANTA, GEORGIA. Preservation of granulocytes for transfusion (human, rats).
- NO1HB-42951-00 (** ROWE, ARTHUR W, NEW YORK, NEW YORK. Preservation of granulocytes for transfusion.
- NO1HB-42952-00 (** PERSIDSKY, MAXIM D, SAN FRANCISCO, CALIFORNIA. Cryopreservation of granulocytes.
- NO1HB-42954-00 (** MELNICK, JOSEPH L, HOUSTON, TEXAS. Safety in blood therapy.
- NO1HB-42961-00 (** NYLAS, E, EVERETT, MASSACHUSETTS. Evaluation of biomaterials in contact with blood (dogs).
- NO1HB-42962-00 (** SCHULTZ, J S, ANN ARBOR, MICHIGAN. Evaluation of the compatibility of materials in contact with blood (dog).
- NO1HB-42968-00 (** PITLICK, FRANCES, NEW HAVEN, CONNECTICUT. Interactions of natural and chemically modified biopolymers with blood.
- NO1HB-42969-01 (** YANNAS, I V, CAMBRIDGE, MASSACHUSETTS. Interactions of natural and chemically modified biopolymers with blood (dogs).
- NO1HB-42970-00 (** HOFFMAN, ALLAN S, SEATTLE, WASHINGTON. Interaction with modified aortic tissue proteins with blood (sheep).
- NO1HB-42971-02 (** NEIMANN, WENDALL, NEW YORK, NEW YORK. Chimpanzees for hepatitis research.
- NO1HB-42972-00 (** MOSLEY, JAMES W, LOS ANGELES, CALIFORNIA. Prospective study of post transfusion hepatitis.
- NO1HB-42973-00 (** NATHAN, DAVID G, BOSTON, MASSACHUSETTS. Pathophysiology of sickling and host resistance to infection (human).
- NO1HB-42975-02 (** FEFFER, HENRY L, WASHINGTON, DISTRICT OF COLUMBIA. Heparin for prevention of venous thromboembolism in orthopaedic surgical patients.
- NO1HB-42976-01 (** SCHRIER, STANLEY L, STANFORD, CALIFORNIA. Clinical trials of aspirin and dipyridamol (human).
- NO1HB-42977-01 (** SAUTTER, RICHARD D, MARSHFIELD, WISCONSIN. Clinical trials of sulfinpyrazone (human).
- NO1HB-42978-01 (** MARDER, V J, PHILADELPHIA, PENNSYLVANIA. Clinical trials of sulfinpyrazone and low dose heparin (human).
- NO1HB-42979-02 (** DANIELS, A U, SALT LAKE CITY, UTAH. Vena cava ring tests of biomaterials in dogs.
- NO1HB-42981-01 (** BROWN, JOHN F, SCHENECTADY, NEW YORK. Studies of elastin as a biomaterial.
- NO1HB-42982-03 (** JIMINEZ, S, PHILADELPHIA, PENNSYLVANIA. Interaction of natural and modified collagen with platelets.
- NO1HB-42983-01 (** CARRAWAY, KERMIT L, STILLWATER, OKLAHOMA. Interaction of basement membrane with platelets.
- NO1HB-42984-00 (** MICHAELI, DOV, SAN FRANCISCO, CALIFORNIA. Interactions of modified biopolymers with blood (human).
- NO1HB-61124-16 (** HALPERN, DAVID B, WARRINGTON, PENNSYLVANIA. Polymer studies of prosthetic cardiac materials.
- NO1HD-02142-04 (** ODOR, D LOUISE, RICHMOND, VIRGINIA. Ultrastructural studies on the oviduct (rabbits, monkeys).
- NO1HD-02149-04 (** MAHESH, VIRENDRA B, AUGUSTA, GEORGIA. Control of ovulation and corpus luteum function (rodents).
- NO1HD-02187-06 (** HORVITZ, DANIEL G, CHAPEL HILL, NORTH CAROLINA. Techniques for demographic analysis.
- NO1HD-02250-06 (** MEYER, ELVA S, MADISON, WISCONSIN. Radioimmunoassay for Rhesus monkey gonadotropins.
- NO1HD-02310-05 (** ROTHCHILD, IRVING, CLEVELAND, OHIO. Regulate changes in corpus luteum physiology in the rat.
- NO1HD-12028-04 (** GROAT, H THEODORE, BOWLING GREEN, OHIO. Study social psychological correlates of urban fertility.
- NO1HD-12037-13 (** HEER, DAVID M, LOS ANGELES, CALIFORNIA. Kin network and population dynamics.
- NO1HD-12038-04 (** BROVERMAN, INGE K, SHREWSBURY, MASSACHUSETTS. Attitudinal factors affecting family size.
- NO1HD-12088-04 (** HENDRICKX, ANDREW G, DAVIS, CALIFORNIA. Non-human primate breeding colony.
- NO1HD-12133-07 (** HAUGHOM, JOAN R, ROCKVILLE, MARYLAND. Growth of human trophoblast cells in culture.
- NO1HD-12138-04 (** COALE, ANSLEY J, PRINCETON, NEW JERSEY. Support publication of population index.
- NO1HD-12140-05 (** DRUCKER, EUGENE, FORT KNOX, KENTUCKY. Marital status and family size.
- NO1HD-12141-02 (** MAZUR, D PETER, BELLINGHAM, WASHINGTON. Study fertility in Poland and the USSR.
- NO1HD-12212-02 (** MASON, KAREN O, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Women labor force participation and fertility.
- NO1HD-12215-04 (** SABAGH, GEORGES, LOS ANGELES, CALIFORNIA. Growth of Mexican-American families.
- NO1HD-12223-06 (** FREUND, MATTHEW, NEW YORK, NEW YORK. Develop and test a reversible contraceptive device (guinea pigs).
- NO1HD-12227-03 (** NUWAYSER, BLUE S, CAMBRIDGE, MASSACHUSETTS. Development of new sterilization techniques (guinea pigs, monkeys).
- NO1HD-12228-06 (** BARDON, CLYDE W, UNIVERSITY PARK, PENNSYLVANIA. Assay of progesterone (sheep, guinea pigs).
- NO1HD-12229-03 (** BRUESCHKE, ERICH E, CHICAGO, ILLINOIS. Develop implantable contraceptive devices (mammals nonhuman).
- NO1HD-12230-02 (** GARDNER, DAVID L, COLUMBUS, OHIO. Intrauterine microcapsules in prolonged drug release form (rabbits, monkeys).
- NO1HD-12232-03 (** RYAN, ROBERT J, ROCHESTER, MINNESOTA. Model to study inhibition of LH action (human, rats).
- NO1HD-12233-02 (** BRUESCHKE, ERICH E, CHICAGO, ILLINOIS. Develop intrauterine sterilization system for the female (primates, human).
- NO1HD-12234-04 (** PAULSEN, C ALVIN, SEATTLE, WASHINGTON. Contraceptive development studies for males (human).
- NO1HD-12236-02 (** AMLES, L E, STANFORD, CALIFORNIA. Develop automated immunoradiometric assay system.
- NO1HD-12237-03 (** ERB, R A, PHILADELPHIA, PENNSYLVANIA. Device and technique for blocking the fallopian tubes (rabbits, monkeys).
- NO1HD-12294-04 (** WILLIAMS, KENNETH I, SHREWSBURY, MASSACHUSETTS. Steroidal oral contraceptives (human, rats, sheep).
- NO1HD-12297-05 (** MAHESH, VIRENDRA B, AUGUSTA, GEORGIA. Steroidal oral contraceptives.
- NO1HD-12299-10 (** SPECTOR, AARON J, PHILADELPHIA, PENNSYLVANIA. Study cervical cytology in contraceptive users.
- NO1HD-12302-05 (** FLETCHER, ANTHONY P, ST LOUIS, MISSOURI. Effects of contraceptive agents on blood coagulation (human).
- NO1HD-12420-03 (** LIBERMAN, ALVIN M, NEW HAVEN, CONNECTICUT. Language development in children.
- NO1HD-12450-05 (** HOLTZMAN, NEIL A, BALTIMORE, MARYLAND. National amniocentesis registry.
- NO1HD-12451-05 (** MILUNSKY, AUBREY, WALTHAM, MASSACHUSETTS. National amniocentesis registry.
- NO1HD-12452-04 (** SCHMICKELL, ROY, ANN ARBOR, MICHIGAN. National amniocentesis registry.
- NO1HD-12455-07 (** HON, EDWARD H, LOS ANGELES, CALIFORNIA. Research on intrapartum fetal monitoring.
- NO1HD-12462-07 (** TANABE, MASATO, MENLO PARK, CALIFORNIA. Synthesis and testing of antifertility compounds (rats, hamsters, rabbits).
- NO1HD-12506-03 (** FICKINGER, CHARLES J, CHARLOTTESVILLE, VIRGINIA. Male reproductive tract (rats).
- NO1HD-22033-02 (** MUTTALL, RONALD L, CHESTNUT HILL, MASSACHUSETTS. Correlates of family size and child spacing in the United States and Puerto Rico.
- NO1HD-22038-03 (** PRESSER, HARRIET B, NEW YORK, NEW YORK. Role and fertility patterns of urban mothers.
- NO1HD-22701-03 (** BECKMAN, LINDA J, LOS ANGELES, CALIFORNIA. The employed woman-family planning career.
- NO1HD-22703-05 (** KIESLER, SARA B, LAWRENCE, KANSAS. Psychological studies of social norms influencing family size.
- NO1HD-22707-04 (** BROWN, LAWRENCE L, ARLINGTON, VIRGINIA. Develop methods to use 1960 and 1970 census samples.
- NO1HD-22709-07 (** ABUSHANAB, BLUE, KINGSTON, RHODE ISLAND. Synthesis of potential new agents for control of fertility.
- NO1HD-22710-06 (** STANLEY, HOMER E, TOLEDO, OHIO. Progesterone-binding proteins to detect antagonists and agonists (rats, rabbits).
- NO1HD-22713-03 (** BOWERS, CYRIL Y, NEW ORLEANS, LOUISIANA. Structure-activity of LH and FSH-releasing peptides (animals).
- NO1HD-22714-04 (** ENGEL, CHARLES R, QUEBEC, CANADA. Synthesize steroidal compounds with antifertility activity.
- NO1HD-22717-05 (** DALGARD, DANIEL W, VIENNA, VIRGINIA. Antifertility of terramycin mixture.
- NO1HD-22723-03 (** GOLDZIEHER, JOSEPH W, SAN ANTONIO, TEXAS. Pharmacology of ethynl estrogens in primates and canines compared to man.
- NO1HD-22724-04 (** KIRDANI, RASHAD Y, BUFFALO, NEW YORK. Biliary and urinary excretion (primates).
- NO1HD-22725-04 (** VISEK, WILLARD J, ITHACA, NEW YORK. Contraceptive steroids in beagles.
- NO1HD-22727-04 (** BECK, PAUL, DENVER, COLORADO. Metabolism of acetoxyprogesterone (monkeys, dogs).
- NO1HD-22728-03 (** MC GANITY, WILLIAM J, GALVESTON, TEXAS. Sex steroids and nutritional status.
- NO1HD-22729-06 (** HANSEN, JAMES L, BETHESDA, MARYLAND. Repository for tissue evaluation of contraceptive steroids (monkeys, dogs).
- NO1HD-22731-03 (** WADE, ADELBERT E, ATHENS, GEORGIA. Interaction of B-vitamins with contraceptive steroids (rats).
- NO1HD-22733-02 (** GARATTINI, SILVIO, MILAN, ITALY. Comparative pharmacology of steroid contraceptive drugs.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1HD-22734-05 (**) JAVITT, NORMAN B, NEW YORK, NEW YORK. Study contraceptive steroids in the beebon.
- NO1HD-22736-02 (**) BERGSTROM, SUNE, STOCKHOLM, SWEDEN. International documentation center on human reproduction.
- NO1HD-22737-04 (**) MATA, LEONARDO J, WASHINGTON, DISTRICT OF COLUMBIA. Ecological study in a Guatemalan village.
- NO1HD-22740-02 (**) HOPPE, PETER C, BAR HARBOR, MAINE. Fertilization of mouse eggs in vitro by epididymal sperm.
- NO1HD-22741-04 (**) SCHALLY, ANDREW V, NEW ORLEANS, LOUISIANA. Synthesis and evaluation of decapeptide analogs of LH-RH(FSH-RH).
- NO1HD-22743-04 (**) ZELINSKY, WILBUR, UNIVERSITY PARK, PENNSYLVANIA. Population redistribution and depopulation in non-metropolitan Pennsylvania.
- NO1HD-22747-04 (**) KABACK, MICHAEL M, TORRANCE, CALIFORNIA. National amniocentesis registry.
- NO1HD-22748-03 (**) HODES, HORACE L, NEW YORK, NEW YORK. National amniocentesis registry.
- NO1HD-22749-06 (**) NADLER, HENRY L, CHICAGO, ILLINOIS. National amniocentesis registry.
- NO1HD-22752-04 (**) BARTOSIK, DELPHINE B, NEW YORK, NEW YORK. Changes in the luteolytic process in human corpora lutea.
- NO1HD-22754-03 (**) KELLEY, JONATHAN L, NEW YORK, NEW YORK. Study of family, career and sexuality.
- NO1HD-22755-01 (**) ABSHER, MARLENE P, BURLINGTON, VERMONT. Aging in human diploid fibroblasts.
- NO1HD-22756-03 (**) MACDONALD, PAUL C, DALLAS, TEXAS. Estrogen studies in the postmenopausal woman (also rats).
- NO1HD-22757-04 (**) LEATHAM, JAMES H, NEW BRUNSWICK, NEW JERSEY. Hormonal control of the epididymis (rats).
- NO1HD-22760-02 (**) TEAGUE, PERRY O, GAINESVILLE, FLORIDA. Age-associated involution of cellular immunity in mice.
- NO1HD-22763-03 (**) SAXENA, BRIJ B, NEW YORK, NEW YORK. Biochemistry and mechanism of action of human gonadotropins.
- NO1HD-22764-02 (**) YON, E T, CLEVELAND, OHIO. Develop techniques to study oviduct transport and ovulation in primates.
- NO1HD-22769-03 (**) MATHER, EDWARD C, COLUMBIA, MISSOURI. Development of evaluation of a reversible vasectomy prosthesis.
- NO1HD-22770-03 (**) GILLENWATER, JAY Y, CHARLOTTESVILLE, VIRGINIA. Effects of vasectomy on testes, epididymis and vas (rats, rabbits, dogs).
- NO1HD-22772-01 (**) SHARP, GORDON C, COLUMBIA, MISSOURI. Immunologic and morphologic consequences of vasectomy (guinea pigs, human).
- NO1HD-22775-02 (**) BIGAZZI, PIERLUIGI E, ALBANY, NEW YORK. Immunological studies on steroid-producing cells (human, monkeys, rabbits).
- NO1HD-22776-03 (**) SMITH, KEITH D, HOUSTON, TEXAS. Endocrine changes in vasectomized men.
- NO1HD-22777-03 (**) HODGMAN, JOAN E, LOS ANGELES, CALIFORNIA. Developmental phenomena and the occurrence of SIDS (human).
- NO1HD-22778-03 (**) STERMAN, MAURICE B, LOS ANGELES, CALIFORNIA. Developmental phenomena and the occurrence of SIDS (human).
- NO1HD-22780-02 (**) SEIGUER, ALBERTO C, CORAL GABLES, FLORIDA. Ultrastructure and immunochemistry of sperm antigens (human, rabbits, guinea pigs).
- NO1HD-22782-03 (**) ROSE, DAVID P, MADISON, WISCONSIN. Effects of oral contraceptives on vitamin B6 nutrition (human).
- NO1HD-22783-03 (**) SMITH, JAMES C, JR, WASHINGTON, DISTRICT OF COLUMBIA. Effect of oral contraceptive steroids on trace minerals (rats).
- NO1HD-22784-03 (**) HORWITT, MAX K, ST LOUIS, MISSOURI. Effect of oral contraceptives on nutritional status (human).
- NO1HD-22785-01 (**) ALPIN-SLATER, ROSLYN B, LOS ANGELES, CALIFORNIA. Interaction of contraceptive steroids with vitamin E (human, rats).
- NO1HD-22786-04 (**) PRASAD, ANADA S, DETROIT, MICHIGAN. Interaction of contraceptive steroids with essential dietary nutrients (human, rats).
- NO1HD-22787-02 (**) MATSCHNER, JOHN T, LINCOLN, NEBRASKA. Biochemical mechanisms of contraceptive steroid-induced abnormalities (rats).
- NO1HD-22788-04 (**) SMITH, JACK L, NEW ORLEANS, LOUISIANA. Relationship of contraceptive steroids to nutritive state (human).
- NO1HD-22789-03 (**) GYORGY, PAUL, PHILADELPHIA, PENNSYLVANIA. Interaction of contraceptive steroids and vitamin B6 (human).
- NO1HD-22790-01 (**) MARGEN, SHELDON, BERKELEY, CALIFORNIA. Effects of contraceptive steroids on trace elements (human).
- NO1HD-22791-02 (**) NELSON, THOMAS B, JR, EDWARDSVILLE, ILLINOIS. Contraceptive steroids and vitamin K.
- NO1HD-22796-02 (**) ROBINSON, THOMAS C, EMERYVILLE, CALIFORNIA. A reversible vas-occluding prosthesis (rabbits).
- NO1HD-22700-01 (**) RUMKE, PHILIP, AMSTERDAM C, NETHERLANDS. Studies of sperm immunology (human).
- NO1HD-22705-02 (**) FOWLER, EDWARD H, ROCHESTER, NEW YORK. Pharmacopathologic effects of MPA in the beagle bitch.
- NO1HD-22709-03 (**) HESS, EVELYN V, CINCINNATI, OHIO. Autoimmune phenomena and mechanisms in human vasectomy.
- NO1HD-22718-04 (**) RAMCHARAN, SAITRI, OAKLAND, CALIFORNIA. Contraceptive drug study.
- NO1HD-22713-02 (**) HECHT, FREDERICK, PORTLAND, OREGON. Regional cytogenetic registry.
- NO1HD-22715-02 (**) UDRY, J RICHARD, CHAPEL HILL, NORTH CAROLINA. Final survey to complete family planning evaluation project.
- NO1HD-22717-01 (**) TUNG, KENNETH S, ALBUQUERQUE, NEW MEXICO. Immunopathologic consequences of vasectomy (human, guinea pigs, rats).
- NO1HD-22719-02 (**) WILLIAMS, KENNETH I H, SHREWSBURY, MASSACHUSETTS. Effects of drugs on contraceptive steroid metabolism (rats, guinea pigs).
- NO1HD-22722-01 (**) JAFFE, FREDERICK S, NEW YORK, NEW YORK. Evaluating the demographic impact of organized family planning programs.
- NO1HD-22725-03 (**) POSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Maintain long term rat colony.
- NO1HD-22726-02 (**) RIDLEY, JEANNE C, WASHINGTON, DISTRICT OF COLUMBIA. Monograph on the computer simulation of human reproduction.
- NO1HD-22729-01 (**) DIRKSEN, ELLEN R, SAN FRANCISCO, CALIFORNIA. Structure, function and development of oviduct cilia (human).
- NO1HD-22731-04 (**) STERN, ELIZABETH, LOS ANGELES, CALIFORNIA. Effects of steroid contraception on cervical dysplasia (human).
- NO1HD-22733-03 (**) RAZDAN, CAMBRIDGE, MASSACHUSETTS. Novel steroids as potential antifertility agents.
- NO1HD-22735-02 (**) POTTS, KEVIN T, TROY, NEW YORK. Synthesis of novel nitroheterocycles.
- NO1HD-22743-02 (**) TANABE, M, MENLO PARK, CALIFORNIA. Synthesis of ring A bicyclo and tricyclo steroids.
- NO1HD-22746-03 (**) GOLDMAN, ALLEN S, PHILADELPHIA, PENNSYLVANIA. Compounds for inhibition of spermatogenesis.
- NO1HD-22747-02 (**) CARROLL, F I, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Synthesizing ring A bicyclo-steroids.
- NO1HD-22748-03 (**) KEPLER, J A, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Uterine estradiol binding factors.
- NO1HD-22749-02 (**) WILLIAMS, JOHN R, PHILADELPHIA, PENNSYLVANIA. Synthesis of novel steroids with potential antifertility activity.
- NO1HD-22750-02 (**) MORIARTY, ROBERT M, CHICAGO, ILLINOIS. Novel steroidal gestagens.
- NO1HD-22759-03 (**) MUMFORD, DAVID M, HOUSTON, TEXAS. Immune alterations associated with vasectomy (human).
- NO1HD-22764-02 (**) MELLMAN, WILLIAM J, PHILADELPHIA, PENNSYLVANIA. National amniocentesis registry.
- NO1HD-22765-02 (**) O'BRIEN, JOHN S, LA JOLLA, CALIFORNIA. National amniocentesis registry.
- NO1HD-22766-02 (**) MAHONEY, JAURICE J, NEW HAVEN, CONNECTICUT. National amniocentesis registry.
- NO1HD-22767-02 (**) KITRILAKIS, SOTIRIS, EMERYVILLE, CALIFORNIA. Clinical evaluation of fluid-filled IUD.
- NO1HD-22770-01 (**) VAN DEN NOORT, STANLEY, IRVINE, CALIFORNIA. Retrospective study postmenopausal women w/o estrogen replacement therapy.
- NO1HD-22774-03 (**) NELSON, THOMAS S, STANFORD, CALIFORNIA. Physiology of the oviduct (rabbits).
- NO1HD-22776-05 (**) PARMELEE, ARTHUR H, LOS ANGELES, CALIFORNIA. Diagnostic and intervention studies of high risk infants.
- NO1HD-22781-02 (**) DAVIS, BRIAN K, SHREWSBURY, MASSACHUSETTS. Control of sperm fertilizing capacity (human).
- NO1HD-22787-02 (**) WOTIZ, HERBERT H, BOSTON, MASSACHUSETTS. Estrogen for cytoplasmic and nuclear receptors.
- NO1HD-22789-02 (**) GOULD, JEFFREY B, BOSTON, MASSACHUSETTS. A study of twins for neurophysiologic factors in SIDS (human).
- NO1HD-22791-05 (**) BLANDAU, RICHARD J, SEATTLE, WASHINGTON. Detection of ovulation in chronically instrumented animals (rabbits, primates).
- NO1HD-22795-02 (**) WARING, DENNIS W, BALTIMORE, MARYLAND. Oviductal fluid in rat and mouse.
- NO1HD-22798-02 (**) KROTOSZYNSKI, B K, CHICAGO, ILLINOIS. Detection of ovulation (human).
- NO1HD-22799-02 (**) RIDLEY, JEANNE C, WASHINGTON, DISTRICT OF COLUMBIA. Low-fertility cohorts in the United States.
- NO1HD-42800-00 (**) WHITE, COLIN, NEW HAVEN, CONNECTICUT. Study risks for cancer among users of oral contraceptives.
- NO1HD-42801-00 (**) FRIED, JOSEF, CHICAGO, ILLINOIS. Synthesis of prostaglandin analogs for biological studies.
- NO1HD-42802-00 (**) BURO, ALAN W, CAMBRIDGE, MASSACHUSETTS. Development and evaluation of a biodegradable drug delivery system.
- NO1HD-42803-02 (**) LEWIS, MICHAEL, PRINCETON, NEW JERSEY. Effect of birth order on mother-child relationship.
- NO1HD-42804-00 (**) UDRY, J RICHARD, CHAPEL HILL, NORTH CAROLINA. 'Consequences of reproduction-A utility model of reproductive behavior' (human).
- NO1HD-42805-00 (**) RIDKER, RONALD G, WASHINGTON, DISTRICT OF COLUMBIA. Economic and environmental consequences of population change.
- NO1HD-42804-00 (**) RUST, EDGAR C, SAN FRANCISCO, CALIFORNIA. Consequences of metropolitan population stability or decline.
- NO1HD-42807-00 (**) BERGSMAN, JOEL, WASHINGTON, DISTRICT OF COLUMBIA. Population growth and employment growth in metropolitan areas.
- NO1HD-42800-00 (**) SUSSER, MERVYN, NEW YORK, NEW YORK. Social aspects of mental retardation in Poland.
- NO1HD-42809-00 (**) PRUETT, KENNETH, NEW HAVEN, CONNECTICUT. Ethynyl estradiol and estrogens as postcoital contraceptive agents (human).
- NO1HD-42810-00 (**) STERMAN, MAURICE B, LOS ANGELES, CALIFORNIA. Developmental phenomena and the occurrence of SIDS (human).
- NO1HD-42811-00 (**) POSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Development of colony of mice for aging research.
- NO1HD-42812-00 (**) BIK-NES, KRISTEN B, TRONDHEIM, NORWAY. Androgens in male sex organs.
- NO1HD-42815-00 (**) TEMPLETON, GORDON H, DALLAS, TEXAS. Effect of age on ventricle stiffness and contractility (dogs).
- NO1HD-42814-00 (**) MILES, LAUGHTON E, STANFORD, CALIFORNIA. Development of automated immunoradiometric assay system.
- NO1HD-42815-00 (**) BUMPASS, LARRY L, MADISON, WISCONSIN. Microfilming of National Fertility Study questionnaires.
- NO1HD-42816-00 (**) COURSON, DAVID B, LANCASTER, PENNSYLVANIA. Instrumentation design for electrophysiological studies.
- NO1HD-42817-00 (**) NAEYE, RICHARD L, UNIVERSITY PARK, PENNSYLVANIA. Analysis of major cause of infant death syndrome (humans).

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1HD-42818-00 (**)** SUTHERLAND, JAMES M, CINCINNATI, OHIO. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42819-00 (**)** BROWN, AUDREY K, ALBANY, NEW YORK. Phototherapy for neonatal hyperbilirubinemia.
- NO1HD-42820-00 (**)** MAURER, HAROLD M, RICHMOND, VIRGINIA. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42821-00 (**)** LIPSITZ, PHILIP, NEW HYDE PARK, NEW YORK. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42822-00 (**)** GARTNER, LAWRENCE M, BRONX, NEW YORK. Phototherapy for neonatal hyperbilirubinemia (human).
- NO1HD-42823-00 (**)** HODGMAN, JOAN E, LOS ANGELES, CALIFORNIA. Phototherapy for neonatal hyperbilirubinemia.
- NO1HD-42824-02 (**)** SHULMAN, SIDNEY, NEW YORK, NEW YORK. Sperm antibody activity in cervical mucus of women.
- NO1HD-42825-00 (**)** JACOBSON, HERBERT I, ALBANY, NEW YORK. Sex hormone receptors in the cervix (human).
- NO1HD-42826-00 (**)** BLANDAU, RICHARD J, SEATTLE, WASHINGTON. Sperm transport through cervix (human).
- NO1HD-42828-01 (**)** HAYFLICK, LEONARD, STANFORD, CALIFORNIA. Production and distribution of human diploid cell strain.
- NO1HD-42829-00 (**)** JEANLOZ, ROOER W, BOSTON, MASSACHUSETTS. Biochemistry cervical mucus of macaca radiata during menstrual cycle.
- NO1HD-42830-00 (**)** PITT, COLIN G, RESEARCH TRIANGLE, NORTH CAROLINA. Synthesis and testing of antiprogesterational agents aboosteroids.
- NO1HD-42831-00 (**)** PARS, HARRY G, CAMBRIDGE, MASSACHUSETTS. Synthesis of ring-C aromatic steroids as potential antifertility agents.
- NO1HD-42832-00 (**)** DAWSON, MARCIA I, MENLO PARK, CALIFORNIA. Synthesize proglandin synthetase inhibitors with antifertility activity.
- NO1HD-42833-00 (**)** STOLZENBERG, SIDNEY J, MENLO PARK, CALIFORNIA. Extracts of *P. dodecandra* for blastocidal and spermicidal activity (human, rats).
- NO1HD-42834-00 (**)** RAO, P NARASIMHA, SAN ANTONIO, TEXAS. Synthesize corticosteroids as antifertility agents.
- NO1HD-42835-00 (**)** PAULL, KENNETH D, KANSAS CITY, MISSOURI. Synthesis and testing of antifertility compounds.
- NO1HD-42836-00 (**)** GBAY, ALLAN P, CHICAGO, ILLINOIS. Synthesis and testing of antifertility compounds.
- NO1HD-42837-00 (**)** FREEDY, JOHN R, ATLANTA, GEORGIA. Estrogen and progesterone protein receptors in uterine cervix (primates).
- NO1HD-42838-00 (**)** WOLF, DON P, PHILADELPHIA, PENNSYLVANIA. Physicochemical characterization of human cervical mucus.
- NO1HD-42839-00 (**)** ANDERSEN, WELLS H, SEATTLE, WASHINGTON. Synthesis of luteolytic prostanoids.
- NO1HD-42841-00 (**)** QUIN, LOUIS D, DURHAM, NORTH CAROLINA. Synthesis of 15-phosphasteroids for antifertility screening.
- NO1HD-42843-00 (**)** FOSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Production colony of aging rats in isolator environment.
- NO1HD-42844-00 (**)** MCKENNA, VIRGIL V, WILLIAMSBURG, VIRGINIA. Parental attitudes and children's personality.
- NO1HD-42845-00 (**)** NORA, JAMES J, DENVER, COLORADO. Evaluation of the effects of contraceptives (human).
- NO1HD-42846-00 (**)** EISENBRAUN, E J, STILLWATER, OKLAHOMA. Synthesis of antifertility compounds.
- NO1HD-42847-00 (**)** FREUND, MATTHEW J, NEW YORK, NEW YORK. Dynamics of sperm transport through the human cervical canal.
- NO1HD-42848-00 (**)** BAKER, BRUCE L, CAMBRIDGE, MASSACHUSETTS. Behavior modification practices by parents with mentally retarded children.
- NO1HD-42849-00 (**)** KORTRIGHT, KENNETH, SPRINGFIELD, VIRGINIA. Isolation of gonadal cell membranes and gonadotropin binding sites.
- NO1HD-42850-01 (**)** BIBBO, MARLUCE, CHICAGO, ILLINOIS. Neoplastic risk of offspring exposed to synthetic estrogen in pregnancy (human).
- NO1HD-42851-00 (**)** FARER, LEE E, TOLEDO, OHIO. Progesterone-binding protein for detection of antagonists and agonists.
- NO1HD-42852-00 (**)** MOGHISSI, KAMRAN, DETROIT, MICHIGAN. Development of an intracervical contraceptive device.
- NO1HD-42853-01 (**)** HARLAP, SUSAN, JERUSALEM, ISRAEL. Effect of oral and other contraceptives on congenital abnormalities.
- NO1HD-42854-00 (**)** BEAVER, STEVEN E, NEW YORK, NEW YORK. Economic, age structure and sex role in American natality trends.
- NO1HD-42855-00 (**)** CUTRIGHT, PHILLIPS, BLOOMINGTON, INDIANA. Fertility trends in the US-1917-1972.
- NO1HD-42856-00 (**)** STRUMPEL, BURKHARD, ANN ARBOR, MICHIGAN. Fertility change after baby boom.
- NO1HD-42857-00 (**)** LEE, RONALD, ANN ARBOR, MICHIGAN. Economic analysis of US fertility change, 1940 to 1973.
- NO1HD-42858-00 (**)** SLAUNWHITE, WILSON R, ALBANY, NEW YORK. Radioimmunoassays for norethindrone and ethinyl estradiol (human, primates).
- NO1HD-42859-00 (**)** MATA, LEONARDO J, WASHINGTON, DISTRICT OF COLUMBIA. Interaction between malnutrition and infection studies.
- NO1HD-42860-00 (**)** HAUSER, FRANK M, BEAVERTON, OREGON. Synthesis of analogs of norethindrone and progesterone.
- NO1HD-42861-00 (**)** RAMCHARAM, SAVITRI, OAKLAND, CALIFORNIA. Effects of contraceptive agents on birth defect frequency.
- NO1HD-42862-00 (**)** BUTTERWORTH, C E, BIRMINGHAM, ALABAMA. Effects of oral contraceptive steroids on folic acid metabolism.
- NO1HD-42863-00 (**)** POCHI, PETER E, BOSTON, MASSACHUSETTS. Steroid hormone effect on sebaceous gland secretion and acne development.
- NO1HD-42864-00 (**)** SANSONE-BAZZANO, GAIL, LOS ANGELES, CALIFORNIA. Steroid hormones on sebaceous gland secretion and on development of acne.
- NO1HD-42865-00 (**)** NICHOLS, WARREN W, CAMDEN, NEW JERSEY. Genetically marked cells for aging research.
- NO1HD-42866-00 (**)** ALEXANDER, NANCY J, PORTLAND, OREGON. Long-term effects of vasectomy in the rhesus monkey.
- NO1HD-42867-00 (**)** MEYER, MARY B, BALTIMORE, MARYLAND. Fetal effects of maternal smoking related to other risk factors.
- NO1HD-42868-01 (**)** BRADLEY, ROBERT M, ANN ARBOR, MICHIGAN. Histological development of upper airway receptors in fetal and neonatal sheep.
- NO1HD-42869-01 (**)** MUNGER, BRYCE L, UNIVERSITY PARK, PENNSYLVANIA. Development of mucosal sensory receptors (human, monkeys).
- NO1HD-42870-01 (**)** SUTTON, DWIGHT, SEATTLE, WASHINGTON. Infant primate upper airway-Anatomy and physiology.
- NO1HD-42871-00 (**)** PARLOW, A F, TORRANCE, CALIFORNIA. Rat placental lactogen radioimmunoassay (rats, rabbits).
- NO1HD-50640-14 (**)** KLEIN, ROBERT E, WASHINGTON, DISTRICT OF COLUMBIA. Study of nutrition and development.
- NO1HD-51014-14 (**)** GATEWOOD, LAEL C, MINNEAPOLIS, MINNESOTA. Study human menstrual cycle.
- NO1HD-51048-14 (**)** WESTOFF, CHARLES F, PRINCETON, NEW JERSEY. 1970 National fertility survey.
- NO1HD-92091-11 (**)** HAYFLICK, LEONARD, STANFORD, CALIFORNIA. Production and distribution of human diploid cell strain.
- NO1HD-92103-11 (**)** WILLIAMS, W L, ATHENS, GEORGIA. Biochemical requirements for fertilization (rabbits, cattle).
- NO1HD-92107-07 (**)** FAWCETT, DON, CAMBRIDGE, MASSACHUSETTS. Experimental studies on spermatogenesis (human, animals).
- NO1HD-92129-08 (**)** KLINGER, HAROLD P, BRONX, NEW YORK. Meiosis and fertilization of human ova in vitro.
- NO1HD-92133-07 (**)** MAGINO, NOBUYOSHI, SAN ANTONIO, TEXAS. Neural regulation of ovarian function (primates).
- NO1HD-92134-09 (**)** NISWENDER, GORDON D, FORT COLLINS, COLORADO. Endocrine regulation of the corpus luteum (sheep).
- NO1HD-92180-13 (**)** RUSH, DAVID, NEW YORK, NEW YORK. Prevention of prematurity and developmental disorders (human).
- NO1HD-92189-11 (**)** FROMM, ELI, PHILADELPHIA, PENNSYLVANIA. Multidisciplinary investigation of contraception (monkeys).
- NO1HD-92209-06 (**)** HANSEL, WILLIAM, ITHACA, NEW YORK. Isolation of a bovine uterine luteolytic factor.
- NO1HD-92215-06 (**)** INSKEEP, E KEITH, MORGANTOWN, WEST VIRGINIA. Relationship of endometrial prostaglandins and luteal functions (sheep, monkeys).
- NO1HD-92220-09 (**)** ZAMBONI, LUCIANO, TORRANCE, CALIFORNIA. Morphophysiological studies on mammalian gametes (mice, hamsters, monkeys).
- NO1HD-92221-08 (**)** WARD, DARRELL E, HOUSTON, TEXAS. Properties of chemically modified LH and LH subunits.
- NO1HI-02216-05 (**)** SANCES, ANTHONY, JR, MILWAUKEE, WISCONSIN. To develop biological flow NMR concept (human, mammals non human).
- NO1HI-12327-03 (**)** COMROE, JULIUS, SAN FRANCISCO, CALIFORNIA. Contribution of basic science to heart and lung.
- NO1HI-32926-01 (**)** INNERATRY, TOM L, SPRINGFIELD, VIRGINIA. Preparation and analysis of canine, swine and monkey lipoproteins (also human).
- NO1HI-32947-02 (**)** MANNING, PATRICK J, COLUMBIA, MISSOURI. Miniature swine colony.
- NO1HI-42903-00 (**)** NELSON, ALBERT W, FORT COLLINS, COLORADO. Pure-blooded fox hounds on normal and atherogenic diets.
- NO1HI-42924-00 (**)** POLTZ, MAX, LURAY, VIRGINIA. Maintenance of a sheep breeding colony.
- NO1HI-42953-00 (**)** VESTERGAARD, PER, ALBANY, NEW YORK. Steroid patterns and coronary risk (human).
- NO1HO-32907-03 (**)** HARRIS, R J, ARLINGTON, VIRGINIA. Support services for the preparation of the National Heart Plans.
- NO1HO-32935-03 (**)** OAKES, WILLIAM, ARLINGTON, VIRGINIA. Develop a national hypertension information and education program plan.
- NO1HO-42935-00 (**)** HARRIS, ROBERT, MC LEAN, VIRGINIA. Support services for the preparation of the National Heart Plan RFP 74-13.
- NO1HO-42936-00 (**)** SPREY, P M, ROCKVILLE, MARYLAND. Support services to the National Heart and Lung Institute.
- NO1HR-12216-04 (**)** COHEN, BERNICE H, BALTIMORE, MARYLAND. Family study of alpha 1 antitrypsin.
- NO1HR-12218-04 (**)** PIERCE, JOHN A, ST LOUIS, MISSOURI. Study proteinase inhibitor phenotypes (human).
- NO1HR-12220-04 (**)** PATTERSON, C D, OKLAHOMA CITY, OKLAHOMA. Study on alpha 1 antitrypsin.
- NO1HR-12221-04 (**)** SCHWARTZ, R H, ROCHESTER, NEW YORK. Alpha 1 antitrypsin deficiency and chronic respiratory disease (human).
- NO1HR-22940-03 (**)** PARK, SUNG SUH, BRONX, NEW YORK. Chronic obstructive pulmonary disease and tobacco smoking (dogs).
- NO1HR-22941-02 (**)** COATE, WILLIAM B, VIENNA, VIRGINIA. Physiological study of cynomolgus monkeys.
- NO1HR-22942-04 (**)** MILLER, R DREW, ROCHESTER, MINNESOTA. Risk factors in chronic obstructive pulmonary disease.
- NO1HR-22943-03 (**)** JENNE, JOHN W, ALBUQUERQUE, NEW MEXICO. Conduct studies investigating some of the immune mechanisms in chronic bronchitis.
- NO1HR-22944-02 (**)** TAGER, IRA, BOSTON, MASSACHUSETTS. Host factors as determinants of chronic obstructive pulmonary disease (human).
- NO1HR-22985-03 (**)** TOWNLEY, ROBERT G, OMAHA, NEBRASKA. Respiratory diseases.
- NO1HR-32900-02 (**)** ROSS, BENJAMIN B, PORTLAND, OREGON. Pilot study to standardize the measurement of 'closing volume' (human).
- NO1HR-32901-02 (**)** HACKNEY, JACK D, DOWNEY, CALIFORNIA. Smoking and other pollutants in chronic airways obstructions (human).
- NO1HR-32902-01 (**)** MACKLEM, PETER T, MONTREAL, CANADA. Pilot study to standardize the measurement of 'closing volume' (human).

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- NO1HR-32903-02 (**) CHERNIACK, REUBEN M, MANITOBA, CANADA. Pilot study to standardize the measurement of 'closing volume' (human).
- NO1HR-32906-01 (**) KASS, EDWARD H, BOSTON, MASSACHUSETTS. Population studies on respiratory diseases.
- NO1HR-33001-01 (**) SODOL, I E, DENVER, COLORADO. High performance respiratory mass spectrometer.
- NO1HR-33002-03 (**) PORTNER, PEER M, BERKELEY, CALIFORNIA. Prototype pulmonary function analyzer.
- NO1HR-33003-01 (**) AISENBERG, SOL, WALTHAM, MASSACHUSETTS. Development of an implantable oxygen sensor.
- NO1HR-40044-00 0073 (**) ABRAMSON, SAMUEL. Survey of data on child abuse.
- NO1HR-42912-00 (**) BOUHUYS, AREND, NEW HAVEN, CONNECTICUT. Population studies on respiratory diseases.
- NO1HR-42913-00 (**) DETELS, ROGER, LOS ANGELES, CALIFORNIA. Population studies on respiratory diseases.
- NO1HR-42915-00 (**) THOMAS, ARTHUR N, SAN FRANCISCO, CALIFORNIA. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42916-00 (**) BARTLETT, ROBERT H, IRVINE, CALIFORNIA. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42917-01 (**) HILL, J DONALD, SAN FRANCISCO, CALIFORNIA. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42918-00 (**) DRINKER, PHILIP A, BOSTON, MASSACHUSETTS. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42919-00 (**) ZAPOL, WARREN M, BOSTON, MASSACHUSETTS. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42920-00 (**) PROCTOR, H J, CHAPEL HILL, NORTH CAROLINA. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42921-00 (**) MORRIS, ALAN H, SALT LAKE CITY, UTAH. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42922-01 (**) EDMUNDS, I HENRY, PHILADELPHIA, PENNSYLVANIA. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42923-00 (**) PIERCE, F CONVERSE, NEW YORK, NEW YORK. Extracorporeal support for respiratory insufficiency (human).
- NO1HR-42934-00 (**) FRANZBLAU, CARL, BOSTON, MASSACHUSETTS. Separation, characterization of lung elastin (organ culture, rat, chick, human).
- NO1HR-42939-00 (**) POWERS, JAMES C, ATLANTA, GEORGIA. Synthesis of elastase inhibitors.
- NO1HR-42940-00 (**) HOSPELHORN, VERNE D, SARANAC LAKE, NEW YORK. Separation and characterization of lung elastin.
- NO1HR-42941-00 (**) GALLOP, PAUL M, BOSTON, MASSACHUSETTS. Separation and characterization of lung elastin (animals).
- NO1HR-42942-00 (**) SANDBERG, LAWRENCE B, SALT LAKE CITY, UTAH. Separation and characterization of lung elastin (pigs).
- NO1HR-42943-00 (**) ROSENBLUM, JOEL, PHILADELPHIA, PENNSYLVANIA. Separation and characterization of lung elastin (organ cultures).
- NO1HR-42944-00 (**) YASUNOBU, KERRY T, HONOLULU, HAWAII. Separation and characterization of lung elastin.
- NO1HR-42955-00 (**) ZWEIMAN, BURTON, PHILADELPHIA, PENNSYLVANIA. In vitro test for sarcoidosis (human).
- NO1HR-42956-00 (**) STEPLEWSKI, ZENON S, PHILADELPHIA, PENNSYLVANIA. In vitro test for sarcoidosis (human).
- NO1HR-42957-00 (**) SELTZBACH, LOUIS E, NEW YORK, NEW YORK. In vitro test for sarcoidosis.
- NO1HR-42958-00 (**) MANDELL, GERALD L, CHARLOTTESVILLE, VIRGINIA. In vitro tests for sarcoidosis (human).
- NO1HR-42959-00 (**) KUEPPERS, FRIEDRICH, ROCHESTER, MINNESOTA. In vitro test for sarcoidosis (human).
- NO1HR-42964-00 (**) TUCKER, HARVEY J, SAN FRANCISCO, CALIFORNIA. Educational programs for treatment of acute respiratory insufficiency.
- NO1HR-42965-00 (**) SAFAR, PETER, PITTSBURGH, PENNSYLVANIA. Educational program for treatment of acute respiratory insufficiency.
- NO1HR-42966-00 (**) SHINNICK, JAMES P, PHILADELPHIA, PENNSYLVANIA. Educational program for treatment of acute respiratory insufficiency.
- NO1HV-02069-06 (**) HINKLE, LAWRENCE E, JR, NEW YORK, NEW YORK. Myocardial infarction and sudden cardiac death (human).
- NO1HV-02073-08 (**) FRIEDMAN, MEYER, SAN FRANCISCO, CALIFORNIA. Study of sudden cardiac death victims from Marin county.
- NO1HV-02074-05 (**) BASHE, WINSLOW J, COLUMBUS, OHIO. Study onset of myocardial infarction and sudden death.
- NO1HV-02081-18 (**) HARKER, REED, SALT LAKE CITY, UTAH. Test and evaluation facility for Artificial Heart Program.
- NO1HV-02243-04 (**) TEDESCHI, LUKE, FRAMINGHAM, MASSACHUSETTS. Performance of beta quantifications.
- NO1HV-02268-05 (**) ROSEMAN, RAY H, SAN FRANCISCO, CALIFORNIA. Data collection and examinations in San Francisco area.
- NO1HV-12035-12 (**) KITRILAKIS, SOTIRIS, EMERYVILLE, CALIFORNIA. Fabrication of implantable artificial heart devices.
- NO1HV-12047-09 (**) NUWAYSER, ELIE S, CAMBRIDGE, MASSACHUSETTS. Fabrication of artificial heart devices.
- NO1HV-12060-07 (**) MANSFIELD, PETER B, SEATTLE, WASHINGTON. Development of tissue cultured endothelium for vascular prosthetic devices.
- NO1HV-12065-09 (**) BORNHORST, WALTER, WALTHAM, MASSACHUSETTS. Fabrication of implantable artificial heart devices.
- NO1HV-12156-04 (**) GOTTO, ANTONIO M, JR, HOUSTON, TEXAS. Lipid research clinic (human).
- NO1HV-12157-04 (**) BIERMAN, EDWIN L, SEATTLE, WASHINGTON. Lipid research clinic (human).
- NO1HV-12158-05 (**) KWITEROVICH, PETER O, BALTIMORE, MARYLAND. Establishment of a lipid research clinic (human, mammals non-human).
- NO1HV-12159-04 (**) SHEPHERD, L THOMAS, BIRMINGHAM, ALABAMA. Lipid research clinic (human).
- NO1HV-12160-05 (**) BROWN, WILLIAM V, LA JOLLA, CALIFORNIA. Establishment of a lipid research clinic (human).
- NO1HV-12161-05 (**) FARQUHAR, JOHN W, STANFORD, CALIFORNIA. Establishment of lipid research clinic (human).
- NO1HV-12243-05 (**) GRIZZLE, JAMES E, CHAPEL HILL, NORTH CAROLINA. Lipid clinic patient registry and coordinating center.
- NO1HV-12307-05 (**) CHRISTIAN, JOE C, BLOOMINGTON, INDIANA. Examine adult male twins (human).
- NO1HV-12433-05 (**) KASS, EDWARD H, BOSTON, MASSACHUSETTS. Therapy for hypertension in the general population.
- NO1HV-12434-04 (**) HAMES, CURTIS G, CLAXTON, GEORGIA. Therapy for hypertension in the general population.
- NO1HV-12435-09 (**) CASTLE, CHARLES H, SALT LAKE CITY, UTAH. Therapy for hypertension in the general population.
- NO1HV-12436-05 (**) MAXWELL, MORTON H, LOS ANGELES, CALIFORNIA. Hypertension therapy in the general population.
- NO1HV-12437-05 (**) LANGFORD, HERBERT L, JACKSON, MISSISSIPPI. Therapy for hypertension in the general population.
- NO1HV-12438-07 (**) FINNERTY, FRANK A, JR, WASHINGTON, DISTRICT OF COLUMBIA. Therapy for hypertension in the general population.
- NO1HV-12439-06 (**) ENTWISLE, G, BALTIMORE, MARYLAND. Therapy for hypertension in the general population.
- NO1HV-12440-08 (**) SCHNAPER, HAROLD W, BIRMINGHAM, ALABAMA. Therapy for hypertension in the general population (human).
- NO1HV-12441-08 (**) STAMLER, JEREMIAH, EVANSTON, ILLINOIS. Study hypertension in general population.
- NO1HV-12442-07 (**) HAWKINS, MORTON C, HOUSTON, TEXAS. Therapy for hypertension in the general population.
- NO1HV-12474-04 (**) DODGE, HARBOLD T, SEATTLE, WASHINGTON. Sudden cardiac death and myocardial infarction.
- NO1HV-12477-03 (**) FRIEDMAN, GARY D, OAKLAND, CALIFORNIA. Sudden cardiac death and myocardial infarction (human).
- NO1HV-12478-05 (**) ROSEN, KENNETH M, CHICAGO, ILLINOIS. Sudden cardiac death and onset of myocardial infarction (human).
- NO1HV-12479-04 (**) LEVINE, HERBERT, BOSTON, MASSACHUSETTS. Sudden cardiac death and myocardial infarction (human).
- NO1HV-12431-05 (**) OLIVER, G CHARLES, ST LOUIS, MISSOURI. Cardiac arrhythmias and sudden cardiac death (human).
- NO1HV-12482-03 (**) HARRISON, DONALD C, STANFORD, CALIFORNIA. Sudden cardiac death and myocardial infarction (human).
- NO1HV-12489-05 (**) ADOLPH, ROBERT, CINCINNATI, OHIO. Research in ischemic, infarcted and scarred myocardium (animals).
- NO1HV-12491-03 (**) EBER, LESLIE, LOS ANGELES, CALIFORNIA. Radioassay of myocardial disorders (human, mammals nonhuman).
- NO1HV-12493-04 (**) SCHWARTZ, ARNOLD, HOUSTON, TEXAS. Myocardial repair (mammals nonhuman).
- NO1HV-12494-03 (**) WILLIAMSON, JOHN R, PHILADELPHIA, PENNSYLVANIA. Minimizing infarct size and enhancing myocardial repair (rats).
- NO1HV-12498-03 (**) HOOD, WILLIAM B, BOSTON, MASSACHUSETTS. Interventions to enhance myocardial repair (mammals nonhuman).
- NO1HV-12499-05 (**) MORGAN, HOWARD E, UNIVERSITY PARK, PENNSYLVANIA. Myocardial repair study (rats, minipigs).
- NO1HV-12516-03 (**) NONE, BETHESDA, MARYLAND. Evaluate cardiology training and manpower requirements.
- NO1HV-22017-03 (**) LELE, PADMAKAR P, CAMBRIDGE, MASSACHUSETTS. Ultrasonic techniques to quantify the size of scarred myocardium.
- NO1HV-22900-04 (**) BLAIR, MC CLELLAN G, LEECHBURG, PENNSYLVANIA. Develop radioisotope powered total hear replacement system.
- NO1HV-22913-03 (**) CONNOR, WILLIAM E, IOWA CITY, IOWA. Lipid research clinic (human).
- NO1HV-22914-04 (**) KASHYAP, M L, CINCINNATI, OHIO. Establishment of a lipid research clinic.
- NO1HV-22915-03 (**) FRANTZ, IVAN D, JR, MINNEAPOLIS, MINNESOTA. Establishment of lipid research clinic.
- NO1HV-22916-03 (**) SCHONFELD, GUSTAV, ST LOUIS, MISSOURI. Establishment of a lipid research clinic.
- NO1HV-22917-04 (**) LITTLE, ALICK, TORONTO, CANADA. Lipid research clinic (human).
- NO1HV-22923-04 (**) TURNER, DOROTHEA, CHICAGO, ILLINOIS. Educational diagnosis in nutrition counselling.
- NO1HV-22931-06 (**) BLAUFOX, MORTON D, BRONX, NEW YORK. Therapy for hypertension in general population.
- NO1HV-22932-02 (**) BRADFORD, REAGAN W, OKLAHOMA CITY, OKLAHOMA. Establishment of a lipid research clinic.
- NO1HV-22937-03 (**) BERMAN, REUBEN, MINNEAPOLIS, MINNESOTA. Therapy for hypertension in general population.
- NO1HV-22938-07 (**) TUTTLE, ELBERT P, ATLANTA, GEORGIA. Therapy for hypertension in general population.
- NO1HV-22939-05 (**) DAUGHERTY, SANDRA A, EAST LANSING, MICHIGAN. Hypertension detection and follow-up program center.
- NO1HV-22945-05 (**) BORHANI, NEMAT O, DAVIS, CALIFORNIA. Cooperative hypertension detection and follow-up study (human).
- NO1HV-22947-02 (**) WILLERSON, JAMES T, DALLAS, TEXAS. Intervention to protect ischemic myocardium, minimize infarct (mammals).
- NO1HV-22948-02 (**) JONES, CARL E, JACKSON, MISSISSIPPI. Intervention to protect ischemic myocardium and minimize infarct size (mammals).
- NO1HV-22949-02 (**) BRAUNWALD, EUGENE, BOSTON, MASSACHUSETTS. Reduction of myocardial injury after coronary occlusion (human).

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- N01HV-22953-02 (**)** FOX, ARTHUR C, NEW YORK, NEW YORK. Lysosomal mechanisms in tissue damage during myocardial infarction (mammals).
- N01HV-22970-02 (**)** REGAN, TIMOTHY J, NEWARK, NEW JERSEY. Ischemic myocardium and infarct size (animal).
- N01HV-22971-03 (**)** KJELSBORG, MARCUS O, MINNEAPOLIS, MINNESOTA. Prevention of coronary heart disease.
- N01HV-22972-02 (**)** SCHERLAG, B J, MIAMI BEACH, FLORIDA. Studies of arrhythmias in relation to coronary heart disease.
- N01HV-22973-02 (**)** KATZ, ARNOLD M, NEW YORK, NEW YORK. Investigation of lethal arrhythmias in coronary heart disease (dogs).
- N01HV-22974-02 (**)** HAN, JOAR, ALBANY, NEW YORK. Lethal arrhythmias in relation to coronary heart disease (dogs).
- N01HV-22975-02 (**)** MYERBURG, ROBERT J, CORAL GABLES, FLORIDA. Lethal arrhythmias associated with coronary heart disease (human).
- N01HV-22976-03 (**)** BLACKBURN, HENRY, MINNEAPOLIS, MINNESOTA. Multiple risk factor intervention trial, prevention of coronary heart disease.
- N01HV-22977-05 (**)** BORHANI, NEMAT O, DAVIS, CALIFORNIA. Multiple risk factor intervention trial, prevention of coronary heart disease.
- N01HV-22978-05 (**)** STAALER, JEREMIAH, CHICAGO, ILLINOIS. Multiple risk factor intervention trial, prevention of coronary heart disease.
- N01HV-22979-03 (**)** DALEN, JAMES, CAMBRIDGE, MASSACHUSETTS. Multiple risk factor intervention trial, prevention of coronary heart disease.
- N01HV-22980-03 (**)** SHERWIN, ROGER W, BALTIMORE, MARYLAND. Multiple risk factor intervention trial for coronary heart disease prevention.
- N01HV-22981-04 (**)** HULLEY, STEPHEN B, SAN FRANCISCO, CALIFORNIA. Multiple risk factor intervention trial, prevention of coronary heart disease.
- N01HV-22982-02 (**)** ZIMMERMAN, HERBERT B, ST LOUIS, MISSOURI. Multiple risk factor intervention trial for prevention of coronary heart disease.
- N01HV-22983-03 (**)** WYNDER, ERNEST L, NEW YORK, NEW YORK. Prevention of coronary disease.
- N01HV-22984-04 (**)** JENNINGS, ROBERT B, EVANSTON, ILLINOIS. Protecting ischemic myocardium (mammals).
- N01HV-22988-02 (**)** ABILDSKOV, J A, SALT LAKE CITY, UTAH. Arrhythmias in relation to coronary heart disease (human).
- N01HV-22989-02 (**)** BIGGER, JOHN T, JR, NEW YORK, NEW YORK. Lethal arrhythmias in coronary heart disease.
- N01HV-22915-04 (**)** BORNHOBST, WALTER J, WALTHAM, MASSACHUSETTS. Materials development and testing of flocking materials.
- N01HV-22924-02 (**)** ROBINSON, THOMAS C, EMERYVILLE, CALIFORNIA. Development and testing of electro-pneumatic drive consoles.
- N01HV-22925-04 (**)** HOLLECK, GERHARD, WALTHAM, MASSACHUSETTS. Development and testing of energy converter for cardiac devices.
- N01HV-22930-02 (**)** RUDNICKI, M I, SACRAMENTO, CALIFORNIA. Development of Stirling cycle energy-conversion.
- N01HV-22931-04 (**)** LA ROSA, JOHN C, WASHINGTON, DISTRICT OF COLUMBIA. Establishment of a lipid research clinic center.
- N01HV-22933-01 (**)** SCHNEIDER, K A, CHICAGO, ILLINOIS. Hypertension detection and follow-up program central laboratory.
- N01HV-22944-02 (**)** PIERCE, WILLIAM S, HERSHEY, PENNSYLVANIA. Development and evaluation of artificial heart (cattle).
- N01HV-22973-05 (**)** KRONMAL, RICHARD A, SEATTLE, WASHINGTON. Coordinating center for collaborative studies on coronary artery surgery.
- N01HV-22974-03 (**)** ALDERMAN, E L, STANFORD, CALIFORNIA. Collaborative studies on coronary artery surgery (human).
- N01HV-22975-03 (**)** JUDKINS, MELVIN P, LOMA LINDA, CALIFORNIA. Collaborative studies on coronary artery surgery (human).
- N01HV-22976-04 (**)** GLASSMAN, EPHRAIM, NEW YORK, NEW YORK. Collaborative studies on coronary artery surgery (human).
- N01HV-22978-03 (**)** KEMP, HARVEY G, JR, NEW YORK, NEW YORK. Collaborative studies on coronary artery surgery.
- N01HV-22979-03 (**)** GOSSELIN, AUTHUR J, MIAMI BEACH, FLORIDA. Collaborative studies on coronary artery surgery.
- N01HV-22980-03 (**)** KAISER, GEORGE C, ST LOUIS, MISSOURI. Collaborative studies on coronary artery surgery.
- N01HV-22981-03 (**)** SAUTTER, RICHARD D, MARSHFIELD, WISCONSIN. Collaborative studies on coronary artery surgery.
- N01HV-22982-03 (**)** FLEMMA, ROBERT J, MILWAUKEE, WISCONSIN. Collaborative studies on coronary artery surgery (human).
- N01HV-22983-03 (**)** BOURASSA, MARTIAL G, MONTREAL, QUEBEC. Collaborative studies on coronary artery surgery (human).
- N01HV-22984-03 (**)** BARNHORST, DONALD A, ROCHESTER, MINNESOTA. Collaborative studies on coronary artery surgery.
- N01HV-22985-03 (**)** MUNDTH, ELDRED D, BOSTON, MASSACHUSETTS. Collaborative studies on coronary artery surgery (human).
- N01HV-22991-01 (**)** SALSBURY, STEVEN, RICHLAND, WASHINGTON. Instrumentation for diagnosis and monitoring.
- N01HV-22993-02 (**)** LAING, RONALD A, BOSTON, MASSACHUSETTS. Non-invasive methods of measure of vascular conditions (human, animals).
- N01HV-22994-02 (**)** SPENCER, MERRILL P, SEATTLE, WASHINGTON. Invasive blood flowmeters.
- N01HV-22995-01 (**)** PAUL, M H, CHICAGO, ILLINOIS. Catheter-transducer assembly for patient diagnosis and monitoring (dogs).
- N01HV-33101-03 (**)** WIDDOWSON, GRAHAM, SAN FRANCISCO, CALIFORNIA. Development and conduct of a multiple risk factor intervention trial.
- N01HV-33104-01 (**)** LASSER, NORMAN L, NEWARK, NEW JERSEY. Prevention of coronary heart disease (human).
- N01HV-33105-01 (**)** WILD, J E, OAKLAND, CALIFORNIA. Intervention trial for prevention of coronary heart disease (human).
- N01HV-33106-02 (**)** DAUBER, THOMAS R, BOSTON, MASSACHUSETTS. Intervention trial for the prevention of coronary heart disease (human).
- N01HV-33107-01 (**)** SCHNAPER, H W, BIRMINGHAM, ALABAMA. Intervention for the prevention of coronary heart disease (men).
- N01HV-33108-01 (**)** KEZDI, PAUL, KETTERING, OHIO. Prevention of coronary heart disease (human).
- N01HV-33109-01 (**)** KULLER, LEWIS H, PITTSBURGH, PENNSYLVANIA. Intervention trial for the prevention of coronary heart disease.
- N01HV-33110-01 (**)** HOLMES, WILLIAM L, PHILADELPHIA, PENNSYLVANIA. Prevention of coronary heart disease (human).
- N01HV-33111-01 (**)** COHEN, JOEL B, PHILADELPHIA, PENNSYLVANIA. A survey of 290 twin pairs (human).
- N01HV-42900-00 (**)** JONES, I R, REDONDO BEACH, CALIFORNIA. Hybrid thermal converter for an artificial heart device.
- N01HV-42901-00 (**)** MARTINI, W R, HUNTINGTON BEACH, CALIFORNIA. Determine feasibility of Stirling cycle energy converter.
- N01HV-42902-00 (**)** GABCLA-PALMERI, MARIO R, SAN JUAN, PUERTO RICO. Epidemiological studies of coronary heart disease (human).
- N01HV-42904-00 (**)** HARRISON, CARLOS E, ROCHESTER, MINNESOTA. Ultrasonic imaging-assessment of vascular condition.
- N01HV-42905-00 (**)** KOLFF, W J, SALT LAKE CITY, UTAH. Development of an artificial heart with intrinsic control (animals).
- N01HV-42900-00 (**)** CHAMBERS, JACK A, OXNARD, CALIFORNIA. Development and testing of circulatory assist system.
- N01HV-42907-00 (**)** NEWGARD, PETER M, MENLO PARK, CALIFORNIA. Develop energy system for artificial heart.
- N01HV-42900-00 (**)** HUFFMAN, FRED, WALTHAM, MASSACHUSETTS. Development of an energy system for implantable circulatory assist devices.
- N01HV-42910-00 (**)** KEISER, JOHN, WALTHAM, MASSACHUSETTS. Development and evaluation of unilateral and bilateral cardiac assist devices.
- N01HV-42911-00 (**)** RAUTAHARJU, P M, HALIFAX, NOVA SCOTIA, CANADA. ECG center for prevention of coronary heart disease.
- N01HV-42914-00 (**)** FORTNER, PIER M, BERKELEY, CALIFORNIA. Solenoid left ventricular assist system.
- N01HV-42929-00 (**)** GOTTLIEB, MARISE S, PISCATAWAY, NEW JERSEY. Risk factor intervention trial for the prevention of CHD (human).
- N01HV-42930-00 (**)** SCHOENBERGER, JAMES A, CHICAGO, ILLINOIS. Risk factor intervention trial for the prevention of CHD (human).
- N01HV-42931-00 (**)** MARMORSTON, JESSIE, LOS ANGELES, CALIFORNIA. Risk factor intervention trial for the prevention of CHD (human).
- N01HV-42932-00 (**)** GIESE, WARREN K, COLUMBIA, SOUTH CAROLINA. Risk factor intervention trial for the prevention of CHD (human).
- N01HV-42933-00 (**)** SASLAN, MILTON S, MIAMI, FLORIDA. Multiple risk factors in coronary heart disease.
- N01HV-42900-00 (**)** NOSE, YUKIHIKO, CLEVELAND, OHIO. Development and evaluation of cardiac prostheses (calves).
- N01HV-42963-00 (**)** LANE, W KENNETH, NEW YORK, NEW YORK. Sudden cardiac death.
- N01HV-42974-00 (**)** FRANK, CHARLES B, WASHINGTON, DISTRICT OF COLUMBIA. Care and use of spontaneously hypertensive rats.
- N01HV-42900-00 (**)** SYME, S L, BERKELEY, CALIFORNIA. Acculturation and coronary heart disease among Japanese.
- N01HV-42985-00 (**)** ROCHE, ALEXANDER F, YELLOW SPRINGS, OHIO. Natural history of blood pressure from infancy into adulthood (human).
- N01HV-50038-19 (**)** WORTH, ROBERT M, HONOLULU, HAWAII. Analysis of Hawaii Heart Study.
- N01HV-51003-13 (**)** STEMMERMAN, G N, HONOLULU, HAWAII. Data collection in clinical pathology and morbid anatomy.
- N01HV-60982-13 (**)** HOFFMAN, FRED N, WALTHAM, MASSACHUSETTS. Effects of additional endogenous heat (dogs, monkeys, cattle).
- N01HV-71439-08 (**)** KILLIP, T, NEW YORK, NEW YORK. Myocardial infarction research unit (human, mammals nonhuman).
- N01HV-71440-09 (**)** MORRIS, JAMES J, JR, DURHAM, NORTH CAROLINA. Myocardial infarction research unit.
- N01HV-71441-09 (**)** RACKLEY, CHARLES, BIRMINGHAM, ALABAMA. Myocardial infarction research unit (human).
- N01HV-71443-09 (**)** HABER, EDGAR, BOSTON, MASSACHUSETTS. Myocardial infarction research unit.
- N01HV-71444-08 (**)** ROSS, RICHARD S, BALTIMORE, MARYLAND. Myocardial infarction research unit.
- N01HV-81331-03 (**)** YU, PAUL M, ROCHESTER, NEW YORK. Myocardial infarction research unit (human, mammals nonhuman).
- N01HV-81332-09 (**)** ROSS, JOHN, JR, LA JOLLA, CALIFORNIA. Myocardial infarction research (human, mammals).
- N01HV-81333-09 (**)** SWAN, HAROLD J, LOS ANGELES, CALIFORNIA. Myocardial infarction research unit (human, mammals nonhuman).
- N01HV-81334-11 (**)** RESNEKOV, LEON, CHICAGO, ILLINOIS. Myocardial infarction research unit (human).
- N01HV-81337-13 (**)** MATHER, FRANK, MIDLAND, MICHIGAN. Development and evaluation of new or improved oxygenators (mammals nonhuman).
- N01HV-81388-12 (**)** BYCK, JOSEPH S, BOUND BROOK, NEW JERSEY. Develop improved ultrathin web structures.
- N01HV-92050-10 (**)** LEE, K T, ALBANY, NEW YORK. Develop models of advanced aortic atherosclerosis (miniature swine).
- N01HV-92125-10 (**)** REYNOLDS, WILLIAM E, CHICAGO, ILLINOIS. Evaluation facility for artificial heart program (mammals, dogs, cattle).
- N01HV-92182-07 (**)** BORNHORST, WALTER J, WALTHAM, MASSACHUSETTS. Develop bilateral circulatory support system (cattle).
- N01HV-92253-12 (**)** O'NEILL, C G, SAN LEANDRO, CALIFORNIA. Implantable piezoelectric drive system for artificial heart.
- N01LM-14709-03 (**)** NOT APPLICABLE, CHICAGO, ILLINOIS. Regional medical library interlibrary loans.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO11M-14712-12 (** NOT APPLICABLE, COLLEGE, ALASKA. Alaska satellite communications system.
- NO11M-14715-08 (** NOT APPLICABLE, PHILADELPHIA, PENNSYLVANIA. Regional medical library services.
- NO11M-14721-06 (** NOT APPLICABLE, NEW YORK, NEW YORK. Regional medical library services.
- NO11M-14723-11 (** NOT APPLICABLE, CAMBRIDGE, MASSACHUSETTS. Regional medical library services.
- NO11M-14728-04 (** NOT APPLICABLE, SANTA MONICA, CALIFORNIA. Design, develop and implement modules of MEDLARS I.
- NO11M-14731-05 (** BALL, ALICE D, WASHINGTON, DISTRICT OF COLUMBIA. Filling gaps in missing MLM collection.
- NO11M-14733-13 (** NOT APPLICABLE, ROCKVILLE, MARYLAND. On-line search and retrieval program.
- NO11M-20556-04 (** NOT APPLICABLE, LA JOLLA, CALIFORNIA. Development of teaching material on neurosciences.
- NO11M-24701-03 (** NOT APPLICABLE, SANTA MONICA, CALIFORNIA. Quality assurance services for MEDLARS II development.
- NO11M-24705-09 (** NOT APPLICABLE, CUPERTINO, CALIFORNIA. Telecommunication system services.
- NO11M-24708-04 (** NOT APPLICABLE, LINCOLN, NEBRASKA. Regional medical library for the mid-continent region.
- NO11M-24711-05 (** TO BE ASSIGNED, NEW YORK, NEW YORK. CATV link to public housing project for purposes of medical communications.
- NO11M-24712-02 (** NOT APPLICABLE, ATLANTA, GEORGIA. Regional medical library for the southeastern region.
- NO11M-24716-05 (** NOT APPLICABLE, BOSTON, MASSACHUSETTS. Participation in Biomedical Data Network.
- NO11M-24717-04 (** NOT APPLICABLE, COLUMBUS, OHIO. Participation in biomedical data network (BDM).
- NO11M-24720-03 (** NOT APPLICABLE, NEW YORK, NEW YORK. Repair, restoration and rebinding of rare books.
- NO11M-24724-03 (** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Card catalog reproduction and distribution.
- NO11M-24726-02 (** NOT APPLICABLE, EAST LANSING, MICHIGAN. Educational consultant for LHNCBC.
- NO11M-34703-03 (** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Collaborative program developing nat'l network for educating health professionals.
- NO11M-34784-04 (** NOT APPLICABLE, ALBANY, NEW YORK. MEDLINE backup system.
- NO11M-34707-01 (** SMITH, RICHARD A, AUGUSTA, WEST VIRGINIA. Repair, restoration and rebinding of rare books.
- NO11M-34708-02 (** NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Regional medical library services.
- NO11M-34709-03 (** NOT APPLICABLE, SEATTLE, WASHINGTON. Regional medical library services.
- NO11M-34711-02 (** NOT APPLICABLE, PHILADELPHIA, PENNSYLVANIA. Indexing journal articles in biomedical literature for incorporation into MEDLARS.
- NO11M-34712-01 (** NOT APPLICABLE, WILMINGTON, MASSACHUSETTS. Emergency maintenance of photon zip model 901 system.
- NO11M-34714-01 (** NOT APPLICABLE, COLUMBUS, OHIO. Subscription to chemical biological activities.
- NO11M-34716-01 (** NOT APPLICABLE, SPRINGFIELD, VIRGINIA. Indexing biomedical literature for MEDLARS data base.
- NO11M-34717-02 (** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Indexing journal articles in biomedical literature for incorporation into MEDLARS.
- NO11M-34721-02 (** NOT APPLICABLE, STUDIO CITY, CALIFORNIA. Professional medical illustration.
- NO11M-34722-03 (** NOT APPLICABLE, STUDIO CITY, CALIFORNIA. Professional medical illustration support.
- NO11M-34724-01 (** NOT APPLICABLE, SILVER SPRING, MARYLAND. Professional medical illustration support.
- NO11M-34725-02 (** NOT APPLICABLE, BETHESDA, MARYLAND. Production and evaluation of modular audiovisual instruction materials.
- NO11M-34726-01 (** HALSTEAD, CHARLES L, ATLANTA, GEORGIA. Producing mediated self-instructional materials for dentistry.
- NO11M-34732-03 (** NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Preservation microfilming.
- NO11M-34733-03 (** NOT APPLICABLE, SEATTLE, WASHINGTON. ATS-F health experiment management and technical operations.
- NO11M-34734-01 (** NOT APPLICABLE, STANFORD, CALIFORNIA. Evaluation of ATS-F health experiments.
- NO11M-34736-01 (** TO BE ASSIGNED, WASHINGTON, DISTRICT OF COLUMBIA. Recataloging serline data base.
- NO11M-34738-02 (** NOT APPLICABLE, CAMBRIDGE, MASSACHUSETTS. Evaluation of the NMAC media distribution system.
- NO11M-40044-10 0047 (** PARKER, H S, . Survey of data on child abuse.
- NO11M-44700-00 (** NOT APPLICABLE, CHEVERLY, MARYLAND. MEDLARS citation preparation.
- NO11M-44701-00 (** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Software maintenance for MEDLEARN.
- NO11M-44702-00 (** NOT APPLICABLE, BETHESDA, MARYLAND. Systems engineering support.
- NO11M-44708-00 (** HYATT, CECIL A, JR, CHEVERLY, MARYLAND. MEDLARS citation/abstract preparation.
- NO11M-44704-01 (** NOT APPLICABLE, HANOVER, NEW HAMPSHIRE. New Hampshire-Vermont medical interactive television network.
- NO11M-44705-00 (** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Management assistance for the medical interactive television network.
- NO11M-44706-00 (** HILL, ROLLA B, SYRACUSE, NEW YORK. Self-instructional slide tape units in core pathology.
- NO11M-44707-00 (** NOT APPLICABLE, THOROFARE, NEW JERSEY. Visualized lectures of intestinal function and diarrhea.
- NO11M-44708-00 (** NOT APPLICABLE, PHILADELPHIA, PENNSYLVANIA. Magnetic tapes used to prepare pesticides abstract bulletin for 1974.
- NO11M-44709-00 (** NOT APPLICABLE, COLUMBUS, OHIO. Purchase of and maintenance for one (1) OCL-100 CTR terminal.
- NO11M-44710-00 (** NOT APPLICABLE, SAN FRANCISCO, CALIFORNIA. Self-instructional multimedia units in clinical cardiology.
- NO11M-44711-00 (** NOT APPLICABLE, CUPERTINO, CALIFORNIA. Data communications.
- NO11M-44712-00 (** MOULTON, ELLIOTT J, WASHINGTON, DISTRICT OF COLUMBIA. Econometric analysis of MLM on-line services.
- NO11M-44715-00 (** NOT APPLICABLE, FREEHOLD, NEW JERSEY. Maintenance services on electronic equipment at NMAC.
- NO11M-44716-00 (** NOT APPLICABLE, MCLEAN, VIRGINIA. Development of modular instructional materials for workshops.
- NO11M-44717-00 (** NOT APPLICABLE, SALT LAKE CITY, UTAH. Report results of teaching aids package.
- NO11M-44718-00 (** , NEW YORK, NEW YORK. Computer instruction program.
- NO11M-44719-00 (** , SANTA MONICA, CALIFORNIA. Enhancements to the MEDLARS II system.
- NO11M-44720-00 (** , NEW YORK, NEW YORK. Teratogenesis bibliographic references in machine readable form.
- NO11M-44722-00 (** NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Purchase of rare books.
- NO11M-44723-00 (** , HOUSTON, TEXAS. Instructional package for recognition of symptoms in life-threatening emergencies.
- NO11M-44724-00 (** , MCLEAN, VIRGINIA. Self-instructional packages for recognition of symptoms in emergencies.
- NO11M-44726-00 (** NOT APPLICABLE, NUTLEY, NEW JERSEY. Purchase educational film to be circulated on free loan.
- NO11M-44727-00 (** NOT APPLICABLE, DANBURY, CONNECTICUT. Purchase educational film to be circulated on free loan.
- NO11M-44720-00 (** NOT APPLICABLE, RARITAN, NEW JERSEY. Purchase educational film to be circulated on free loan.
- NO11M-44729-00 (** NOT APPLICABLE, NEW YORK, NEW YORK. Purchase educational film to be circulated on free loan.
- NO11M-44730-00 (** NOT APPLICABLE, HOUSTON, TEXAS. Purchase educational film to be circulated on free loan.
- NO11M-44731-00 (** NOT APPLICABLE, WILMINGTON, MASSACHUSETTS. Maintenance of a photon ZIP model 901 system.
- NO11M-44732-00 (** , ARLINGTON, VIRGINIA. Community hospitals in continuing education of health professionals.
- NO11M-44733-00 (** NOT APPLICABLE, CHEVERLY, MARYLAND. Conversion of HEEP titles and abstracts.
- NO11M-44734-00 (** NOT APPLICABLE, SEATTLE, WASHINGTON. ATS-F satellite evaluation.
- NO11M-44735-00 (** NOT APPLICABLE, AUGUSTA, GEORGIA. Development and production of self-instructional multimedia units.
- NO11M-44736-00 (** VIGNONE, JOSEPH A, SILVER SPRING, MARYLAND. System for writing abstracts for audiovisual materials.
- NO11M-44737-00 (** NOT APPLICABLE, ROCKVILLE, MARYLAND. Recataloging journals to title entry.
- NO11M-44738-00 (** NOT APPLICABLE, BALTIMORE, MARYLAND. Building toxicology data files.
- NO11M-44739-00 (** NOT APPLICABLE, LOS ANGELES, CALIFORNIA. Cooperative cataloging of current biomedical publications.
- NO11M-44740-00 (** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Data preparation for a single input serial system conversion task.
- NO11M-44741-00 (** NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. File maintenance.
- NO11M-44742-00 (** NOT APPLICABLE, WILMINGTON, MASSACHUSETTS. Purchase educational film to be circulated on free loan.
- NO11M-24085-04 (** MARTIN, JOHN, PHILADELPHIA, PENNSYLVANIA. Training physicians assistants.
- NO11M-24088-05 (** STANHOPE, WILLIAM D, OKLAHOMA CITY, OKLAHOMA. Physicians assistant training program.
- NO11M-24091-03 (** LEVINE, BOBERT, NEW HAVEN, CONNECTICUT. Physicians assistant training program.
- NO11M-24092-05 (** ESTES, E HARVEY, JR, DURHAM, NORTH CAROLINA. Physicians assistant training program.
- NO11M-24094-05 (** HENRY, RICHARD A, GAINESVILLE, FLORIDA. Physicians' assistant training program.
- NO11M-24096-04 (** POWERS, LEE, WINSTON-SALEM, NORTH CAROLINA. Physicians assistant training program.
- NO11M-24105-02 (** LAMPTON, T D, JACKSON, MISSISSIPPI. Physician's assistant training program.
- NO11M-24106-03 (** PALMER, JOHN R, AUGUSTA, GEORGIA. Training physicians' assistants.
- NO11M-24107-05 (** LEWIS, ARNOLD, BROOKLYN, NEW YORK. Physicians assistant training program.
- NO11M-24100-03 (** GOLDEN, ARCHIE S, BALTIMORE, MARYLAND. Physicians' assistant training program.
- NO11M-24109-03 (** ZACHARWIZ, FRANCIS A, SAINT LOUIS, MISSOURI. Physicians assistant training program.
- NO11M-24116-03 (** MYERS, HU C, PHILLIPI, WEST VIRGINIA. Physicians assistant training program.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1MB-24117-04 (**) JOSTEN, JOHN J, KALAMAZOO, MICHIGAN. Physicians' assistant training program.
- NO1MB-24118-06 (**) BING, ROBERT K, GALVESTON, TEXAS. Physicians assistant training.
- NO1MB-24119-04 (**) PEMME, THOMAS E, WASHINGTON, DISTRICT OF COLUMBIA. Physician's assistants training program.
- NO1MB-24120-07 (**) MC TERNAN, EDMUND J, ALBANY, NEW YORK. Physicians' assistants training program.
- NO1MB-24127-05 (**) MURRAY, BAYMOND H, INDIANAPOLIS, INDIANA. Physicians' assistant training program.
- NO1MB-24128-03 (**) HORSLEY, A W, IOWA CITY, IOWA. Physicians' assistant training program.
- NO1MB-24129-03 (**) STRAUSS, BELLA, HANOVER, NEW HAMPSHIRE. Physician's assistant training program.
- NO1MB-24132-05 (**) LUCHI, ROBERT J, HOUSTON, TEXAS. Physicians assistant training program.
- NO1MB-24135-05 (**) SILVER, HENRY K, DENVER, COLORADO. Physicians assistant program.
- NO1MB-24145-05 (**) LEAMAN, THOMAS, UNIVERSITY PARK, PENNSYLVANIA. Physician's assistant training program.
- NO1MB-24146-03 (**) GREENBERG, SUZANNE B, BOSTON, MASSACHUSETTS. Physicians' assistant training program.
- NO1MB-24153-03 (**) JEWETT, ROBERT E, ATLANTA, GEORGIA. Physicians' assistant training program.
- NO1MB-24155-03 (**) CASTLE, C HILMAN, SALT LAKE CITY, UTAH. Physicians' assistant training program.
- NO1MB-24157-04 (**) STEWART, PHILIP R, WASHINGTON, DISTRICT OF COLUMBIA. Physicians assistant training program.
- NO1MB-24158-04 (**) HUTSON, ARTHUR C, CHARLESTON, SOUTH CAROLINA. Physicians assistant training program.
- NO1MB-24159-03 (**) ROGERS, TERENCE, HONOLULU, HAWAII. Physician's assistant training program.
- NO1MB-24173-03 (**) JOHNSON, THOMAS F, WASHINGTON, DISTRICT OF COLUMBIA. Physicians' assistant training program.
- NO1MB-24199-03 (**) REED, D CRAMER, WICHITA, KANSAS. Training program for physicians' assistants.
- NO1MB-24237-03 (**) LOHRENZ, FRANCIS, MARSHFIELD, WISCONSIN. Physician's assistant training program.
- NO1MB-24260-03 (**) GALES, HARRIET, DETROIT, MICHIGAN. Physicians' assistant training program.
- NO1MB-24352-02 (**) MENDEL, LEVITTE, NEW YORK, NEW YORK. Study of alleviation of health manpower maldistribution.
- NO1MB-24371-02 (**) MC MANUS, J F, CHARLESTON, SOUTH CAROLINA. Area health educational center.
- NO1MB-24374-02 (**) ROBERTSON, GEORGE J, BOSTON, MASSACHUSETTS. Area health education center.
- NO1MB-24377-03 (**) WATTS, MALCOLM S, SAN FRANCISCO, CALIFORNIA. Area health education center.
- NO1MB-24380-02 (**) ZIMMERMAN, T F, CHICAGO, ILLINOIS. Area health education center.
- NO1MB-24383-02 (**) LEYASMEYER, EDITH, MINNEAPOLIS, MINNESOTA. Area health education center.
- NO1MB-24385-02 (**) DIMOND, E GREY, KANSAS CITY, MISSOURI. Area Health Education Center.
- NO1MB-24386-02 (**) WIESE, WILLIAM H, ALBUQUERQUE, NEW MEXICO. Area health education center.
- NO1MB-24387-02 (**) WILSON, GLENN, CHAPEL HILL, NORTH CAROLINA. Area health education center.
- NO1MB-24388-02 (**) DUNN, GARY F, GRAND FORKS, NORTH DAKOTA. Area health education center.
- NO1MB-24391-04 (**) BRANDT, EDWARD N, JR, GALVESTON, TEXAS. Area health education center.
- NO1MB-24392-03 (**) ANDREWS, CHARLES E, MORGANTOWN, WEST VIRGINIA. Area health education center.
- NO1MB-24400-04 (**) MEOLEN, MARIE C, JACKSON, MISSISSIPPI. Nursing manpower.
- NO1MB-44038-07 (**) WIESE, WILLIAM H, ALBUQUERQUE, NEW MEXICO. Rural health care system for New Mexico.
- NO1MB-34125-01 (**) HELPERN, MILTON, NEW YORK, NEW YORK. Forensic medicine teaching materials.
- NO1MB-34131-01 (**) PARSONS, L CLARIE, CHARLOTTESVILLE, VIRGINIA. Course of study in physiology and pathophysiology.
- NO1MB-34132-01 (**) SLOVES, STUART, NEW YORK, NEW YORK. Produce radio shows aimed at recruiting Black/Spanish students into health career.
- NO1MB-44000-00 (**) CLEARY, MICHAEL, LITTLE ROCK, ARKANSAS. Health manpower requirement within the state of Arkansas.
- NO1MB-44001-00 (**) COHEN, EDWARD, TRENTON, NEW JERSEY. Comprehensive study of health manpower requirements.
- NO1MB-44003-00 (**) ARSHAM, GARY, STOCKTON, CALIFORNIA. Modular self instructional units in medical student ophthalmology curriculum.
- NO1MB-44006-00 (**) COOPER, LEON E, WASHINGTON, DISTRICT OF COLUMBIA. Comprehensive minority health manpower plan.
- NO1MB-44008-00 (**) SAYLE, J HENRY, GREENSBORO, NORTH CAROLINA. Collaborative program of courses and health careers at black institutions.
- NO1MB-44009-00 (**) HUDSON, JAMES I, WASHINGTON, DISTRICT OF COLUMBIA. Educational programs in prototype health maintenance organizations.
- NO1MB-44034-00 (**) NOT APPLICABLE, SAUGUS, CALIFORNIA. Monaural pressings of transcribed radio programs.
- NO1MB-44049-00 (**) KELLEY, ROBERT A, WASHINGTON, DISTRICT OF COLUMBIA. Distribution of the film 'Code Blue'.
- NO1MB-44070-00 (**) GREGORIEFF, PAUL, CAMBRIDGE, MASSACHUSETTS. National health education center program.
- NO1MB-44083-00 (**) NOT APPLICABLE, NEW YORK, NEW YORK. Reproduction of prints for a film.
- NO1MB-44085-00 (**) BRYANT, EDGAR C, ARLINGTON, VIRGINIA. Distribution of the film 'What can you do'.
- NO1MB-44115-00 (**) GREGORIEFF, PAUL, CAMBRIDGE, MASSACHUSETTS. Effectiveness of state linkage systems.
- NO1MB-44119-00 (**) MILLER, CHARLES A, LOS ANGELES, CALIFORNIA. Twilight nursing program.
- NO1MB-44152-00 (**) LINDEE, ROBERT, PALO ALTO, CALIFORNIA. Symposia on National Health Policy Questions important to US.
- NO1MB-44166-00 (**) SCHNEBEWEISS, STEPHEN M, ITHACA, NEW YORK. Career development of health administration.
- NO1MB-44167-00 (**) HILDEBRAND, IRIS, DURHAM, NORTH CAROLINA. Physician's associates careers.
- NO1MB-44168-00 (**) FARWELL, GEORGE W, SEATTLE, WASHINGTON. Utilization of new health practitioners in remote practice settings.
- NO1MB-44169-00 (**) ERICKSON, JON A, STANFORD, CALIFORNIA. Primary care decentralization.
- NO1MB-44170-00 (**) THOMPSON, JOHN H, PITTSBURGH, PENNSYLVANIA. Physician's assistants in primary care.
- NO1MB-44171-00 (**) CASTLE, C HILMON, SALT LAKE CITY, UTAH. Physician's assistant utilization.
- NO1MB-44172-00 (**) RABIN, DAVID L, WASHINGTON, DISTRICT OF COLUMBIA. Roles and function of physician's assistants.
- NO1MB-44173-00 (**) NICHES, ROBERT, OAKLAND, CALIFORNIA. Utilization and efficiency of health manpower in prepaid group practices.
- NO1MB-44175-00 (**) FLERMAN, GARY L, WASHINGTON, DISTRICT OF COLUMBIA. Health manpower education.
- NO1MB-44176-00 (**) GRANT, RICHARD V, DENVER, COLORADO. Group practice forms of health care delivery.
- NO1MB-44177-00 (**) DEHL, CHARLES E, WASHINGTON, DISTRICT OF COLUMBIA. Study of future of health care administration education.
- NO1MB-44178-00 (**) TEPE, FRANK R JR, CINCINNATI, OHIO. University without walls external MS degree in health planning (administration).
- NO1MB-44179-00 (**) RAMBO, PATRICIA B, GAINESVILLE, FLORIDA. Optimum manpower utilization.
- NO1MB-44182-00 (**) ZALLEN, HAROLD, OKLAHOMA CITY, OKLAHOMA. Physician's assistants as primary care providers.
- NO1MB-44183-00 (**) RAMBO, PATRICIA B, GAINESVILLE, FLORIDA. Physician awareness and utilization of physician's assistants.
- NO1MB-44184-00 (**) YOUNG, WILLIAM T, CHAPEL HILL, NORTH CAROLINA. Optimal demand and supply of physician's assistants.
- NO1MB-44185-00 (**) THOMPSON, JOHN H, PITTSBURGH, PENN. Health services administration.
- NO1MB-44186-00 (**) JOINER, CHARLES, BIRMINGHAM, ALABAMA. Teaching modules in hospital and health administration.
- NO1MB-44189-00 (**) TALLON, JAMES R, BINGHAMTON, NEW YORK. Maldistribution of nursing manpower in certain NY and Penna. counties.
- NO1MB-44190-00 (**) STENWURTZEL, S L, NEW YORK, NEW YORK. Linkages among comprehensive health planning agencies.
- NO1MB-44191-00 (**) CONANT, CLINTON A, FARMINGTON, MAINE. Prototype course in rural prepaid health care.
- NO1MB-44192-00 (**) PARKER, EDWARD J, PHILADELPHIA, PENNSYLVANIA. Relevance of health care administration curricula.
- NO1MB-44193-00 (**) HARRISON, JOHN G, GRAND JUNCTION, COLORADO. Effective utilization of multidiscipline health manpower.
- NO1MB-44194-00 (**) DITMORE, R K, MINNEAPOLIS, MINNESOTA. Educational program in health maintenance organization.
- NO1MB-44195-00 (**) HARMON, BILL, SAN FRANCISCO, CALIFORNIA. Educational program for sub-professional health personnel.
- NO1MB-44194-00 (**) SMITH, W MELVIN, DETROIT, MICHIGAN. Training program for primary care unit staff.
- NO1MB-44197-08 (**) MACK, ROBERT, LONG BEACH, CALIFORNIA. Designing, implementing, and testing a human relations department.
- NO1MB-44198-00 (**) , SAUGUS, CALIFORNIA. 'The Sound of Soul'.
- NO1MB-44199-00 (**) CHIU, ARTHUR N, HONOLULU, HAWAII. Program of health team training and practice.
- NO1MB-44200-00 (**) GARELL, C DALE, SAN FRANCISCO, CALIFORNIA. Program in humanistic medicine.
- NO1MB-44202-00 (**) DULL, ROY, BAIERSFELD, CALIFORNIA. External degree in nursing.
- NO1MB-44203-00 (**) DISANTO, FRANK, ALBANY, NEW YORK. Develop health education cooperative activities.
- NO1MB-44209-00 (**) , CARMICHAEL, CALIFORNIA. Indian health career counselor's program.
- NO1MB-44210-00 (**) COLEY, HERBERT L, OKLAHOMA CITY, OKLAHOMA. Indian health career program.
- NO1MB-44211-00 (**) BEGAY, EUGENE, SARASOTA, FLORIDA. Indian health career counselor's program.
- NO1MB-44213-00 (**) TEPE, FRANK R JR, CINCINNATI, OHIO. Inner city work-study program for health professions faculty.
- NO1MB-44214-00 (**) WRIGHT, PAUL, ROLLING MEADOWS, ILLINOIS. Develop and implement health science curriculum in primary care.
- NO1MB-10032-00 (**) JOHNS HOPKINS UNIV, CHARLES AND 34TH ST, BALTIMORE MD 21218. Field test of an epidemiologic assessment of community mental health.
- NO1MB-10065-02 (**) GEN PRACTITIONER RES GP, 325 STAMES RD, TWICKENHAM MIDDLESEX ENGLAND. Clinical evaluation studies of antidepressants.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1MH-20105-03 (**)** UNIV OF CALIFORNIA, 1483 FOURTH AVE, SAN FRANCISCO, CAL 94143. Regional evaluation and monitoring system for mental health care providers.
- NO1MH-20106-03 (**)** BIODYNAMICS, INC, CAMBRIDGE, MASS. Evaluate automated clinical record systems for psychiatric patients.
- NO1MH-20110-00 (**)** BEHAVIOR SCIENCE CORPORATION, 1100 GLENDON AVE, LOS ANGELES, CAL. Evaluate impact of community mental health center consultation services.
- NO1MH-20121-00 (**)** AMERICAN PUBL HLTH ASSN, 1015 18TH ST, WASHINGTON, D.C. 20036. Develop basic guide for mental health needs.
- NO1MH-20148-00 (**)** BLACKSIDE, INC, 21 GREENWICH ST, BOSTON, MASS. Minority social seminar teacher training course.
- NO1MH-20158-00 (**)** NORTH TEXAS STATE UNIV, DENTON, TEX. Training project in mental health aspects in nursing homes.
- NO1MH-20180-00 (**)** CHARLES PRESS PUBLISHERS, INC, NEW YORK, NY. Computer assisted instructional system in suicide studies.
- NO1MH-20197-01 (**)** SOCIO-TECHN SYSTEMS ASSOC INC, BOSTON, MASS. Evaluate NMH aging programs with special focus on services.
- NO1MH-20202-00 (**)** RAPHAELSON, ARNOLD H, 3212 BURN BRAE DR, DRESHER, PA. Evaluation of NMH funded financing studies and cost data-manpower.
- NO1MH-20204-01 (**)** PINK, RAYMOND, 49 PAULIN BLVD, LEONIA, NJ. Report on pre-paid group health insurance.
- NO1MH-20205-00 (**)** HALL, CHARLES P, JR, SCH BUSINESS ADMIN, TEMPLE UNIV, PHILADELPHIA, PA. Evaluate NMH funded financial studies and cost data.
- NO1MH-20206-00 (**)** UNIV OF FLORIDA, GAINESVILLE, FLA. Epidemiologic study of mortality associated with mental disorders.
- NO1MH-20207-00 (**)** NEW YORK MED COL, NEW YORK, NY 10029. Clinical study of new narcotic antagonists in man.
- NO1MH-20212-01 (**)** RES FDN MENTAL HYGIENE, 44 HOLLAND AVE, ALBANY, NY. Progress toward community mental health center program objective.
- NO1MH-30008-00 (**)** UNIV OF KANSAS, LAWRENCE KAN. Synthesis and assay of S-adenosylmethionine analogues.
- NO1MH-30010-00 (**)** BANDLER, BERNARD, CAMBRIDGE MA. Writing a book on psychiatric training.
- NO1MH-30024-00 (**)** CURBER ASSOCIATES, INC, 1025CONNECTICUT AVE N W, WASHINGTON, D C 20036. Equal employment opportunity training program for management.
- NO1MH-30027-00 (**)** COMMONWEALTH OF PENNA, CAMP HILL, PENNA 17011. Mental health services to residents of flood disaster areas.
- NO1MH-30028-00 (**)** LUZERNE-WYOMING COUNTY MENTAL, MENTAL RETARDATION PROGRAM, 319SOUTH FRANKLIN STREET, WILKES BARRE, PENNSYLVANIA 187. Mental health services to residents of flood disaster areas.
- NO1MH-30029-00 (**)** EAST PA PSYCHIAT INST, COMMONWEALTH OF PENNA, HENRY AVENUE & ABBOTTS FORD RD, PHILADELPHIA, PENNA 19129. Mental health services to residents of flood disaster areas.
- NO1MH-30046-00 (**)** INST HUMAN ECOLOGY, 6001 GLENWOOD AVE, RALEIGH NC. Systems analysis for child mental health services.
- NO1MH-30047-00 (**)** NY NARCOTIC CONTR COMM, EXECUTIVE PARK SOUTH, STUYVESANT PLAZA, ALBANY NY. Provide treatment and rehabilitation for opiate-dependent persons.
- NO1MH-30057-00 (**)** BRANDEIS UNIV, WALTHAM MA. Evaluate NMH funded financial studies and cost data-state financing.
- NO1MH-30059-00 (**)** ALBERT EINSTEIN COL MED, 1300 MORRIS PARK AVE, BROOK, N Y 10461. Conference on community mental health training.
- NO1MH-30063-00 (**)** RESEARCH, FOUNDATION FOR, MENTAL HYGIENE, INC, 44HOLLAND AVE, ALBANY, NEW YORK 12208. Changes in use of state mental hospitals and other mental health services.
- NO1MH-30078-00 (**)** GEN RES CORP, 7655 OLD SPRINGHOUSE RD, MCLEAN, VIRGINIA 22101. Community health centers services for children.
- NO1MH-30079-00 (**)** BIOSPHERICS, INC, ROCKVILLE, MARYLAND 20852. Abstract, key and proof 2,400 mental health project grants.
- NO1MH-30081-00 (**)** LITTLE, ARTHUR D, INC, ACORN PARK, CAMBRIDGE, MASS 02140. Evaluate services to juvenile delinquents.
- NO1MH-30084-00 (**)** REGIS CHEMICAL COMPANY, 8210 AUSTIN AVE, MORTON GROVE, ILLINOIS 60053. Research in custom and syntheses of chemicals relevant to psychopharmacology.
- NO1MH-30089-00 (**)** BASHANT, SUSAN K, 10221 W 59TH PLACE, ARVADA, COLO. Evaluation of minority training program.
- NO1MH-30152-00 (**)** AUSTEN RIGGS CENTER, INC, STOCKBRIDGE, MASS 01262. Conference on psychiatric residential milieu.
- NO1MH-30162-00 (**)** GOLLOB, JOSEPH S, MENTAL HEAL CENTER INC, 4371 EAST 72ND AVE, COMMERCE CITY, COLORADO 8002. Development and test of cost effectiveness for CMHC's.
- NO1MH-30163-00 (**)** EAGLEVILLE HOSPITAL, REHABILITATION CENTER, P.O. BOX 45, EAGLEVILLE, PENNSYLVANIA 19408. Conference on joint treatment of drug addicts and alcoholics.
- NO1MH-30166-00 (**)** CHILDRENS HOSP, POST OFFICE BOX 54700, LOS ANGELES, CALIFORNIA. Interdisciplinary conference on health care delivery to adolescents.
- NO1MH-30167-00 (**)** KING COUNTY ADMIN BLDG, SEATTLE, WASHINGTON 98104. Evaluating and monitoring drug, alcohol, and mental health services.
- NO1MH-30170-00 (**)** STATE OF MAINE, DEPT OF MENTAL HEALTH, AND CORRECTIONS, AUGUSTA, MAINE 04330. State of Maine evaluation, monitoring and information system.
- NO1MH-30179-00 (**)** COLLIER COUNTY CLINIC INC, 933 CREECH RD, MAPLES FLORIDA 33940. Community mental health service evaluation procedures.
- NO1MH-30183-00 (**)** STATE OF MAINE, DEPT OF MENTAL HEAL & CORRECTI, STATE OFFICE BUILDING, AUGUSTA MAINE 04330. Study of mental health manpower development and utilization system in Maine.
- NO1MH-30185-00 (**)** IOWA LAKES COMMUNITY COLLEGE, 101 1/2 NORTH SIXTH ST, ESTHERVILLE, IOWA 51334. Mental health program for employed long term care personnel.
- NO1MH-30186-00 (**)** SCULLY, DIANA CHASE, 1204 SOUTH WASHINGTON, ST, APT 717 WEST, ALEXANDRIA, VIRGINIA 22314. Impact of community mental health services on state mental hospitals.
- NO1MH-30187-00 (**)** SCHLECTER, MAL, NATIONAL PRESS BLDG, WASHINGTON, D.C. 20004. Editing services for journal.
- NO1MH-30196-00 (**)** PRAIRIE VIEW MENTAL HEALTH, P O BOX 467, NEWTON, KANSAS 67114. Conference on 'Community Mental Health Centers in providing services to the aged.
- NO1MH-30199-00 (**)** ADVOCACY, CHILDREN & YOUTH, COLORADO COALITION, POST OFFICE BOX 18586, DENVER, COLORADO 80218. Child advocacy services.
- NO1MH-30201-00 (**)** COMMUNITY MH RES, DEV CORP, BUFFALO, NEW YORK 14202. Community mental health program evaluation conference.
- NO1MH-30202-00 (**)** NATIONAL OPINION RESEARCH CENT, 6030SOUTH ELLIS AVE, CHICAGO, ILLINOIS 60637. Survey on occupational conditions.
- NO1MH-30235-00 (**)** HARVARD COL HOLYOKE CENTER, 1350 MASS AVE, CAMBRIDGE, MASS 02138. Emotionally disturbed child in the classroom.
- NO1MH-30286-00 (**)** KIMMEL, WAYNE A, 1245 4TH ST S W APT 0409, WASHINGTON, D C 20024. Review of NMH pilot SPD effort in Ohio.
- NO1MH-30237-00 (**)** GLASER, DANIEL, 901 SOUTH OGDEN DRIVE, LOS ANGELES, CAL 90036. Practical guide to planning program in crime and delinquency.
- NO1MH-30238-00 (**)** UNIVERSITY OF CALIFORNIA, N-11 WHEELER HALL, BERKELEY, CALIFORNIA 94720. Epidemiology.
- NO1MH-30240-00 (**)** MENTAL HEALTH LAW PROJECT, 1751 N ST N W, WASHINGTON, D C 20036. Mental health legislation guide.
- NO1MH-30241-00 (**)** LOEWING, DAVID A, 479 NOE ST, SAN FRANCISCO, CALIFORNIA 94111. Study of private psychiatric facilities owned by chains.
- NO1MH-30242-00 (**)** SOUTH PHILADELPHIA HEAL ACTION, 1015 CHESTNUT ST, PHILADELPHIA, PENNSYLVANIA 191. Delivery of mental health care in a prepaid group practice network.
- NO1MH-30245-00 (**)** GEORGIA DEPT OF HUMAN RESOURCE, 47 TRINITY AVE, ATLANTA, GEORGIA 30334. Methodology for funding in Georgia Department of Human Resources.
- NO1MH-30246-00 (**)** GOTTFREDSON, DON M, 1006 MAPLE LANE, DAVIS CAL 95616. Monograph on juvenile and criminal justice system.
- NO1MH-30247-00 (**)** COMMUNICATIONS RES, UNIV ILLINOIS, CHAMPAIGN, URBANA, ILLINOIS 61. Monograph of female delinquency and crime.
- NO1MH-30250-00 (**)** RENHART JOHN B, 232 JILL DRIVE, PITTSBURGH, PENNSYLVANIA 15236. Monograph-Child abuse, policy issues and problems.
- NO1MH-30251-00 (**)** JENKINS, ROSE D, 1620 E 119TH ST, LOS ANGELES, CAL 90059. Menograph-Socialization of social responsibility.
- NO1MH-40002-00 (**)** YAHRAES, HERBERT C, JR, STANFORDVILLE, N.Y. 12581. Technical reports on NMH research programs and projects.
- NO1MH-40004-00 (**)** UNIV OF MARYLAND, OFFICE STUDENT AID, COLLEGE PARK, MD 20742. Services for statistical analysis.
- NO1MH-40005-00 (**)** PRINCE GEORGES COUNTY, COURT HOUSE, UPPER MARLBORO, MD 20870. Volunteer services.
- NO1MH-40004-00 (**)** FERMAN, LOUIS A, 401 FOURTH ST, ANN ARBOR, MICH. Report on first experimental capitation funding.
- NO1MH-40007-00 (**)** MED RES COUNCIL, 20 PARK CRESCENT, LONDON, WIN 4AL, ENGLAND. Support services for federal personnel in research.
- NO1MH-40004-00 (**)** HAZELTON-NANTICOKE MH/MR CR, WEST WASHINGTON ST, NANTICOKE, PA 18634. Mental health services to flood victims-Pennsylvania.
- NO1MH-40012-00 (**)** INTERNATL CR SOC GERONT, 1629 K ST., N W, WASHINGTON, D C 20006. A residential exchange study and plan.
- NO1MH-40014-00 (**)** SOCIAL SYSTEMS INTERVENTION, 3603 14TH ST., N.W., WASHINGTON, D.C. 20010. Preparation of grant summary statements.
- NO1MH-40016-00 (**)** KENYON, SYLVAINA L, P O BOX 6, DURN LORING, VA 22027. Study on literature acquisition.
- NO1MH-40017-00 (**)** WESTERN HEALTH SYSTEMS, P O BOX 1147, 503 1/2 SIXTH ST, RAPID CITY, S D 57701. Training program for crisis intervenors.
- NO1MH-40018-00 (**)** LINTON, MIELDS, & COSTON, 1015 18TH ST., N W, WASHINGTON, D. C. Organization of mental health services in Detroit-Wayne County Michigan area.
- NO1MH-40019-00 (**)** KIMMEL, WAYNE A, 1245 4TH ST, S.W., WASHINGTON, D.C. 20024. ADAMHA state program development effort in Maine.
- NO1MH-40020-00 (**)** GLASGOW, DOUGLAS, HOWARD UNIV., WASHINGTON, D. C. Improvement of federal social, behavioral science programs at black institutions.
- NO1MH-40021-00 (**)** BIRNBAUM, MARTIN L, 372 CENTRAL PARK, NEW YORK, N.Y. 10025. Evaluation and report on public health careers program.
- NO1MH-40022-00 (**)** JOINT COMM ACCREDITATION HOSP, 875 NORTH MICHIGAN AVE, CHICAGO, ILLINOIS 60611. Development of standards for community mental health centers.
- NO1MH-40024-00 (**)** AMERICAN HOSP ASSN, 840 NORTH LAKE SHORE DRIVE, CHICAGO, ILL 60611. Survey of psychiatric units of general hospitals.
- NO1MH-40025-00 (**)** KING, ANITA, 11451 S. GLEN RD, POTOMAC, MARYLAND 20854. Mental health services for children and youth (human).
- NO1MH-40026-00 (**)** CARTER, FRANCES H, 5303 CARLTON ST, WASHINGTON, D.C. 20016. Improvement in state mental hospital utilization.
- NO1MH-40027-00 (**)** STATE OREG DEPT. HUMAN RESOURC, DIV. OF MENTAL HEALTH, 2570 CENTER ST, N.E., SALEM, OREGON 97310. Manpower development and utilization system for mental health services in Oregon.
- NO1MH-40028-64 (**)** MARINE BIOLOGICAL LAB, WOODS HOLE, MASS 02543. Research facilities and services.
- NO1MH-40029-64 (**)** WEXLER, DAVID B, 2329 EAST 9TH ST, TUCSON, ARIZ 85719. Security and other special hospitals for mentally disordered offenders (human).
- NO1MH-40030-00 (**)** MILKMAN, RAYMOND M, 5034 DANA PLACE, N.W., WASHINGTON, D.C. 20016. Relationship between evaluation study results and program.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- N01MH-40031-00 (**) BUREAU OF SOC SCI RES, INC., 1990 M ST, N.W., WASHINGTON, D.C. 20036. Protection of noninstitutionalized human subjects.
 N01MH-40032-00 (**) NATL FDN SUDDEN INFANT DEATH, 1501 BROADWAY, NEW YORK, N.Y. 10036. Sudden-infant death syndrome.
 N01MH-40033-08 (**) COUNCIL ADV SCIENCE WRITING, KIMBERTON RD, CHESTER SPRINGS, PA 19425. Develop training mechanism for minority group communicators.
 N01MH-40035-08 (**) REGIS CHEMICAL CO, 8210 NORTH AUSTIN AVE, MORTON GROVE, ILL 60053. Chemical synthesis program in field of psychopharmacology.
 N01MH-40036-00 (**) CHILDREN'S HOSP MED CTR, CHILDREN'S TRAUMA CENTER, FIFTY-FIRST AND GROVE STS., OAKLAND, CALIFORNIA 94609. Evaluate training modules related to child abuse and neglect.
 N01MH-40038-00 (**) JUDGE BAKER GUIDANCE CTR, 295 LONGWOOD AVE, BOSTON, MASS 02115. Child abuse-Formal and informal decision-making processes.
 N01MH-40039-00 (**) HERNER INPO SER, INC., 2100 M ST,N.W., WASHINGTON,D.C. 20037. Abstract and index 30,000 documents in the general field of mental health.
 N01MH-40040-00 (**) COOPER, E MYLES, 254 ORCHARD RD, ORINDA, CAL 94563. State of Oregon's design of a mental health programs evaluation system.
 N01MH-40041-00 (**) BECK, JAMES C, 1493CAMBRIDGE ST, CAMBRIDGE, MASS 02139. Evaluation of mental health care in comprehensive health care settings.
 N01MH-40043-00 (**) COUNCIL FOR COMMUNITY SERVICES, 64 EAST JACKSON BLVD, CHICAGO ILL 60604. Survey of data on child abuse.
 N01MH-40044-00 (**) HUMAN SCIENCES RES, WESTGATE RESEARCH PARK, 7710 OLD SPRINGHOUSE RD, MCLEAN, VA 22101. Institutional change in regard to racial minority and women in NIMH.
 N01MH-40045-00 (**) ARON, RUTHANN, 431COLLEGE PARKWAY, ROCKVILLE, MARYLAND 20850. Development of research design of information systems.
 N01MH-40046-00 (**) MCCALL, GEORGE C, 8250 GLEN ECHO DR, BEL-NOR, MISSOURI 63121. Monograph- 'Applications of field methods to study of crime and delinquency'.
 N01MH-40049-00 (**) STATE OF MAINE, DEPT OF MH & CORRECTIONS, STATE OFF BLDG, AUGUSTA, MAINE 04330. Mental health related human service for the criminal justice system.
 N01MH-40050-64 (**) RES FDN STATE UNIV NEW YORK, P.O. BOX 7126, ALBANY, N.Y. 12224. Conduct of a workshop on human sexuality.
 N01MH-40052-00 (**) COMMONWEALTH OF VA DEPT MH & M, P.O. BOX 1797, RICHMOND, VA 23214. Mental health manpower development in Virginia.
 N01MH-40054-00 (**) ROTTENBERG, SIMON, PRATT CORNER RD-RFD 3, AMHERST, MASS 01002. An economic perspective on crime prevention and control.
 N01MH-40055-00 (**) AM ASSOC PSYCH SERV CHILDREN, 1701 18TH ST., N.W., WASHINGTON, D.C. 20009. Child mental health treatment service.
 N01MH-40056-00 (**) COMMUNITY RES APPLICATIONS, IN, 45 EAST 89 ST, NEW YORK, N.Y. 10028. Survey of child abuse and neglect service programs.
 N01MH-40057-64 (**) ZECKHAUSER, RICHARD J, 138 IRVING ST, CAMBRIDGE, MASS 02138. Feasibility study of mental health services.
 N01MH-40058-00 (**) INSTITUTE SCIENTIFIC INPO, 325 CHESTNUT ST, PHILADELPHIA, PA 19106. Citation counts to measure research grant output.
 N01MH-40059-00 (**) FAMILY SERV PG COUNTY, 4318 HAMILTON ST, HYATTSVILLE, MD 20718. Housing needs of ex-mental patients.
 N01MH-40060-00 (**) ALASKA DEPT HLTH SOC SERV, JUNEAU, ALASKA 99801. Improving and integrating mental health, alcohol and drug abuse in Alaska.
 N01MH-40061-64 (**) AM PSYCHIATRIC ASSN, 1700 18TH ST, N.W., WASHINGTON, D.C. 20009. Update information concerning insurance coverage and psychiatric care.
 N01MH-40062-00 (**) CATRON, BAYARD L, 9805 RALEIGH TAVERN COURT, BETHESDA, MD 20014. Evaluation of community mental health center evaluation projects.
 N01MH-40063-00 (**) INTERSEMINARIAN, INC., 32 RUTLAND ST, BOSTON, MASSACHUSETTS 02118. Youth runaway program.
 N01MH-40064-64 (**) MANDERSCHIED, RONALD W, 212 WEST MONTGOMERY AVE, ROCKVILLE, MD 20852. Statistical services.
 N01MH-40065-00 (**) THE FAMILY CONNECTION, INC., 806 BRANARD ST, HOUSTON, TEX 77006. Youth runaway program (training assessment).
 N01MH-40066-00 (**) VALLEY YOUTH HOUSE, 539 8TH AVE, BETHLEHEM, PA 18018. Youth runaway program (assessment).
 N01MH-40067-00 (**) AM ASSOC PSYCHIATRIC SERV CHIL, 1701 18TH ST., N.W., WASHINGTON, D.C. 20009. A conference-Issues in mental health services to the vulnerable child.
 N01MH-40068-00 (**) NATL ASSOC COUNTIES RES FDN, 1735 NEW YORK AVE, N.W., WASHINGTON, D.C. 20006. Criminal justice and community care in mental health, alcohol and drug abuse.
 N01MH-40069-00 (**) WESTERN INTERST HIGH EDUC, P.O. DRAWER P, BOULDER, COLO 80302. Educational needs of state mental health staff.
 N01MH-40071-00 (**) UNIV DENVER, UNIVERSITY PARK, DENVER, COLORADO 80210. Evaluation of community mental health centers.
 N01MH-40072-00 (**) HOBAR, INC., 1707 H ST, N.W., WASHINGTON, D.C. 20006. Readership survey of administration in mental health.
 N01MH-40073-00 (**) MEXICAN AMERICAN UNITY COUN, 712 S. FLORES ST, SAN ANTONIO, TEXAS 78204. Conference on mental health needs of Mexican-American children in Texas.
 N01MH-40074-00 (**) BLK GROUP, INC., 1730 M ST, N.W., WASHINGTON, D.C. 20036. Independent provider status for psychologists.
 N01MH-40075-00 (**) BLUE SHIELD OF MICH, RES DEPT GROUP, 600 LAFAYETTE EAST, DETROIT, MICH 48226. Psychiatric care under prepaid health insurance.
 N01MH-40076-00 (**) THE UNIVERSITY OF ROCHESTER, SCH OF MED DENTISTRY, 260 CRITTENDEN BLVD, ROCHESTER, N.Y. 14642. Patterns of utilization of psychiatric services.
 N01MH-40077-00 (**) RES FDN MENTAL HYGIENE, 44 HOLLAND AVE, ALBANY, N.Y. 12208. Methodological study for long-term care.
 N01MH-40078-00 (**) RES FOUNDATION MENTAL HYGIENE, 44 HOLLAND AVE, ALBANY, NEW YORK 12208. Economics of long-term mental illness.
 N01MH-40079-00 (**) EAGLEVILLE HOSP, REHAB CR, P.O. BOX 45, EAGLEVILLE, PA 19408. Drug addicts and alcoholics.
 N01MH-40080-00 (**) AM. PUB HEALTH ASSO, 1015 18TH ST N.W., WASHINGTON, D.C. 20036. Chronically mentally ill in prepaid practice programs.
 N01MH-40081-00 (**) DEPT MH & MR, BOX 12668, CAPITOL STATION, AUSTIN, TEXAS 78711. Placement needs of state mental hospital patients.
 N01MH-40082-00 (**) LEVINE, DANIEL S, 1410 NORTH CURSON AVE, LOS ANGELES, CAL 90046. National cost and current financing of mental illness.
 N01MH-40083-00 (**) YALE UNIV, SCH OF MEDICINE, 333 CEDAR ST, NEW HAVEN, CONN 06510. Depression rating scales in psychiatric population (human).
 N01MH-40083-00 (**) ASSOC UNIV PROG HLTH ADMIN, ONE DUPONT CIRCLE, WASHINGTON, D.C. 20036. A national conference-An institute on education for mental health administration.
 N01MH-40083-00 (**) PASCHALL, NANCY C, 5663 DERBY COURT, ALEXANDRIA, VIRGINIA 22311. Community mental health service planning.
 N01MH-40084-00 (**) TRUSTEES, COLUMBIA UNIV, NEW YORK, NEW YORK 10027. Mental health linkages in social service systems.
 N01MH-40087-00 (**) LUCE, GAY GAER, 828 ARLINGTON AVE, BERKELEY, CAL 94707. Videotaped documentary on aging.
 N01MH-40088-00 (**) KRAVITZ, ALAN, 100 FIRST AVE, NYACK, N.Y. 10960. Study of social planning.
 N01MH-40089-00 (**) WAGNER, MARSDEN, INST SOC MED, UNIV COPENHAGEN, HERMOUSGADE DK 2200 COPENHAGEN. Swedish health services.
 N01MH-40090-00 (**) SOUTHERN REGION EDUC BD, 130 6TH ST, N.W., ATLANTA, GEORGIA 30313. Program evaluation in state mental health agency.
 N01MH-40091-00 (**) PENINSULA HOSP MED CTR, 1783 EL CAMINO REAL, BURLINGAME, CALIF 94010. Evaluation of a prototype psychiatric PSRO.
 N01MH-40093-00 (**) INDIANA UNIV FDN, POST OFFICE BOX F, BLOOMINGTON, IND 47401. Intensive training seminar on human sexuality.
 N01MH-40094-00 (**) THE WHALES TALE, 412 NEVILLE ST, PITTSBURGH, PA 15213. Youth runaway program.
 N01MH-40095-00 (**) ALTERNATIVES, INC., 5440 25TH ST, COLUMBUS, IND 47201. Youth runaway program.
 N01MH-40094-00 (**) SPEC APPROACHES JUV ASSIST, 1743 18TH ST., N.W., WASHINGTON, D.C. 20009. Youth runaway program (demonstration).
 N01MH-40097-00 (**) YOUTH RES CTR, INC, SECOND MILE FOR RUNAWAYS, QUEENS CHAPEL & QUEENSBURY RD , HYATTSVILLE, MD 20782. Youth runaway program (demonstration).
 N01MH-40088-00 (**) OZONE HOUSE, INC., 621 EAST WILLIAM ST, ANN ARBOR, MICH 48108. Youth runaway program (demonstration).
 N01MH-40094-00 (**) UNITED INDIANS GROUP HOME, 2525 PARK AVE SOUTH, MINNEAPOLIS, MINN 55404. Youth runaway program (demonstration).
 N01MH-40100-00 (**) FAMILY SERV MONT COUNTY, INC, 350 HUNGERFORD DR, ROCKVILLE, MARYLAND 20850. Youth runaway program (demonstration).
 N01MH-40101-00 (**) THE SALVATION ARMY, 875 NORTH DEARBORN, CHICAGO, ILL 60610. Youth runaway program (demonstration).
 N01MH-40102-00 (**) YOUTH ADVOCATES, INC., 1825 18TH AVE, SEATTLE, WASHINGTON 98122. Youth runaway program.
 N01MH-40103-00 (**) YOUTH EMERGENCY SERV CORP, 9307 OLIVE ST RD, ST. LOUIS, MISSOURI 63132. Youth runaway program.
 N01MH-40104-00 (**) MAC NEAL MEMO HOSP, YOUTH IN CRISIS PROJ, 3249 S. OAK PARK AVE, BERWYN, ILL 60402. Youth runaway program.
 N01MH-40103-00 (**) S.W. DENVER COMM MH SERV, INC , 3052 WEST MISSISSIPPI AVE, DENVER, COLO 80219. Youth runaway program (demonstration).
 N01MH-40103-00 (**) THE BRIDGE FOR RUNAWAY YOUTH, 608 20TH AVE SOUTH, MINNEAPOLIS, MINN 55404. Youth runaway program.
 N01MH-40107-00 (**) COVENANT HOUSE, 40 W. 12TH ST, NEW YORK, N.Y. 10011. Youth runaway program (demonstration).
 N01MH-40100-00 (**) THE CENTER FOR YOUTH SERVICE, 293 ALEXANDER ST, ROCHESTER, NEW YORK 14607. Youth runaway program.
 N01MH-40109-00 (**) ALASKA CHILDREN'S SERVICE, 4600 ABBOTT RD, ANCHORAGE, ALASKA 99507. Youth runaway program.
 N01MH-40110-00 (**) METRO-HELP, INC., 2210 N. HALSTEAD, CHICAGO, ILL 60614. Youth runaway program.
 N01MH-40111-00 (**) FOCUS, INC., 1916 GOLDRING AVE, LAS VEGAS, NEVADA 89106. Youth runaway program (documentation and assessment).
 N01MH-40112-00 (**) YOUTH ADVOCATES, INC., 3839 JUDAH ST, SAN FRANCISCO, CAL 94122. Youth runaway program (assessment).
 N01MH-40113-00 (**) YOUTH SERVICES INC., 700 FRENCHMAN ST, NEW ORLEANS, LOUISIANA 70116. Youth runaway program.
 N01MH-40116-00 (**) VOYAGE HOUSE, INC, 1433 LOMBARD ST, PHILADELPHIA, PA 19416. Youth runaway program (training assessment).
 N01MH-40117-00 (**) METRO-ATLANTA, MEDIATION CTR., 848 PEACHTREE ST N.E., ATLANTA, GEORGIA 30308. Youth runaway program (training and assessment).
 N01MH-40118-00 (**) FREEPORT, INC., 361 COMMONWEALTH AVE, NEWTON, MASS 02167. Services to runaway youth.
 N01MH-40119-00 (**) JUVENILE ASSISTANCE, MCLEAN LT, BOX 637, MCLEAN, VA 22101. Services to runaway youth.
 N01MH-40120-00 (**) BRIARPATCH, INC., 25 N WEBSTER ST, MADISON, WIS 53703. Services to runaway youth.
 N01MH-40122-00 (**) HUCKLEBERRY HOUSE, 1869 SUMMIT ST, COLUMBUS, OHIO 43201. Youth runaway program.
 N01MH-40124-00 (**) GEORGE WASHINGTON UNIV, RICE HALL, WASHINGTON, D.C. 20006. Workshop on admin stand for mental health delivery systems.
 N01MH-40125-00 (**) KIMMEL, WAYNE A, APARTMENT 409, 1245 4TH ST, S.W., WASHINGTON, D.C. 20024. Evaluation of state program development (SPD) program.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1MH-40127-00 (***) ASSOC MENTAL HLTH ADMIN, MADISON STATE HOSP, MADISON, IND 47250. Development of video methods for measuring changes in mental illness.
- NO1MH-40222-00 (***) E.F. SHELLEY AND CO, INC, 1730 RI AVE N.W., WASHINGTON, D.C. 20036. Comprehensive planning activity and a group problem solving process.
- NO1MH-51026-09 (***) PSYCHOLOGICAL INST, KOMMUNEHOSPITALET, COPENHAGEN DENMARK. Etiology of schizophrenia.
- NO1MH-80989-15 (***) VOCATIONAL GUID SER, 2300 CAROLINE ST, HOUSTON TEXAS 77004. Service to narcotic addicts.
- NO1MH-81339-16 (***) LITTLE ARTHUR D INC, ACORN PARK, CAMBRIDGE MASS 02140. Production of cannabis derivatives.
- NO1MH-81342-07 (***) JEWISH EMPL VOCAT SERV, 1913 WALNUT ST, PHILADELPHIA PA 19103. Rehabilitation of narcotic addicts.
- NO1MH-81468-07 (***) FAM SER PRINCE GEORGES CO, 4318 HAMILTON ST, HYATTSVILLE MD 20781. Rehabilitation services to narcotic addicts.
- NO1MH-81470-04 (***) FAMILY COUNSELING SERV, 214 MARYLAND AVE, LAS VEGAS NEV 89101. Rehabilitation services to narcotic addicts.
- NO1MH-81509-06 (***) MINNESOTA DEPT EDUC, 1745 UNIV AVE, ST PAUL MINN 55104. Rehabilitation services to narcotic addicts.
- NO1MH-81510-05 (***) FAMILY SERV AGENCY, 650 NORTH SIXTH AVE, TUCSON ARIZ 85705. Rehabilitation services to narcotic addicts.
- NO1MH-81521-06 (***) ST JOSEPH HOSP, 350 WEST THOMAS RD, PHOENIX ARIZ 85013. Provide services to narcotic addicts.
- NO1MH-81526-06 (***) WISCONSIN CORRECTIONAL SER, 436 W WISCONSIN AVE, MILWAUKEE WIS 53203. Rehabilitation services to narcotic addicts.
- NO1MH-90004-10 (***) TEXAS CHRISTIAN UNIV, FORT WORTH TEXAS 76129. Narcotic addict and drug abuse reporting system.
- NO1MH-90008-07 (***) DEPT PUB HLTH, 47 TRINITY AVE SW, ATLANTA GEORGIA 30334. Services to narcotic addicts.
- NO1MH-90040-05 (***) FAMILY SERVICE CR, 442 N FULTON, FRESNO, CA. Rehabilitation services to narcotic addicts.
- NO1MH-90059-09 (***) UNIV CHICAGO, 5801 S ELLIS AVE, CHICAGO, ILL. Revise and standardize the Hopkins symptom check list.
- NO1MH-90070-04 (***) NATL COUN CRIME DELINQUENCY, 291 ROUTE 17, PARAMUS NJ 07652. Provide mental health documents with emphasis on crime and delinquency.
- NO1MH-90074-06 (***) ADVERTISING COUNCIL, 825 THIRD AVE, NEW YORK, NY. Conduct a national advertising campaign on narcotics and drug abuse.
- NO1MH-90081-07 (***) CITY UNIV NEW YORK, 1411 BROADWAY, NEW YORK, NY. Preparation of a handbook of evaluation research.
- NO1MH-90097-12 (***) CLARITAS CORP, 3600 M ST NW, WASHINGTON, DC. Planning evaluation of community mental health centers.
- NO1MI-14173-07 (***) AVERILL, RICHARD W, WASHINGTON, DISTRICT OF COLUMBIA. Collection of data on optometrists.
- NO1MI-24078-07 (***) PETERSON, OSLER, CAMBRIDGE, MASSACHUSETTS. Study of surgical services in the United States.
- NO1MI-24197-06 (***) GRAHAM, JOHN, ALBUQUERQUE, NEW MEXICO. Medical student and physician career predispositions.
- NO1MI-24316-06 (***) LEONARD, MARLENE, WASHINGTON, DISTRICT OF COLUMBIA. Survey of allied health and nursing programs.
- NO1MI-34090-02 (***) ROEMER, MILTON, LOS ANGELES, CALIFORNIA. Health manpower use, education and regulation in other countries.
- NO1MI-34100-01 (***) LEWIS, ALAN, PHILADELPHIA, PENNSYLVANIA. Problems associated with health manpower information.
- NO1MI-34103-02 (***) NAVARRO, VICENTE, BALTIMORE, MARYLAND. Monograph on health manpower planning in different countries.
- NO1MI-44004-00 (***) MALCOM, J B, BETHESDA, MARYLAND. Indexing documents compiled under Health Manpower Planning Inventory Project.
- NO1MI-44007-06 (***) PELIX, JEROME L, ROCKVILLE, MARYLAND. Indexing of documents compiled under health manpower planning inventory project.
- NO1MI-44017-00 (***) LEYMAN, EDWARD, WASHINGTON, DISTRICT OF COLUMBIA. Health resources planning documents.
- NO1MI-44057-00 (***) LEVINE, JULES I, CHARLOTTESVILLE, VIRGINIA. Evaluation and design activities in health manpower planning.
- NO1MI-44062-00 (***) CONFREY, EUGENE A, BETHESDA, MARYLAND. Develop a glossary of health manpower planning terms.
- NO1MI-44067-06 (***) , CHARLOTTESVILLE, VIRGINIA. Barriers to health manpower planning.
- NO1MI-44139-00 (***) HASSINGER, EDWARD W, COLUMBIA, MISSOURI. Study of rural physicians in twenty rural Missouri counties.
- NO1MI-44161-00 (***) LAMBO, T A, GENEVA, SWITZERLAND. International migration of physicians and nurses.
- NO1MI-44165-00 (***) HOLLANDER, EDWARD D, WASHINGTON, DISTRICT OF COLUMBIA. Production of a monograph.
- NO1MI-44187-00 (***) SKINNER, DOUGLAS, MCLEAN, VIRGINIA. Dimension of technical assistance to support health manpower planning.
- NO1MI-44208-00 (***) REINHARDT, UWE E, BELMONT, MASSACHUSETTS. Health manpower planning seminar package.
- NO1MI-44224-00 (***) HARMAN, MARY, ROCKVILLE, MARYLAND. Abstracts of documents providing health resources planning information.
- NO1MI-44225-00 (***) JOHNSON, CLARENCE, ROCKVILLE, MARYLAND. Health resource planning information.
- NO1MI-44228-00 (***) BERUL, LAWRENCE H, ROCKVILLE, MARYLAND. Acquisition of source modules of ADP software programs.
- NO1NS-02273-04 (***) PUDENZ, ROBERT M, PASADENA, CALIFORNIA. Study electrical stimulation of the visual system (human, mammals, nonhuman).
- NO1NS-02279-04 (***) DOTY, ROBERT W, ROCHESTER, NEW YORK. Development of a sensory prosthesis (human, monkeys).
- NO1NS-12281-03 (***) WESS, MICHAEL S, BALTIMORE, MARYLAND. Diagnosis and treatment of hearing loss in infants.
- NO1NS-12282-11 (***) LOCKARD, JOAN S, SEATTLE, WASHINGTON. Study experimental antiepileptic drugs (monkeys).
- NO1NS-12286-03 (***) DAWSON, WILLIAM W, GAINESVILLE, FLORIDA. Study materials in conjunction with a sensory prosthesis (cats).
- NO1NS-12316-04 (***) WALKER, A EARL, ALBUQUERQUE, NEW MEXICO. Participation in a study of cerebral death (human).
- NO1NS-22300-01 (***) FRIEDLANDER, WALTER J, LINCOLN, NEBRASKA. Establishment of clinical neurology information center.
- NO1NS-22301-02 (***) NAHMAS, ANDRE J, ATLANTA, GEORGIA. Cytologic and immunologic studies of herpes virus induction of cancer (monkeys).
- NO1NS-22306-03 (***) ROGERS, LAYTON, SPRINGFIELD, VIRGINIA. Herpes virus induction of cervical cancer in the Cebus monkey.
- NO1NS-22314-02 (***) MORTIMER, JOHN T, CLEVELAND, OHIO. Intramuscular stimulation of paralyzed muscle (human).
- NO1NS-22316-03 (***) TORICK, EMUL, STAMFORD, CONNECTICUT. Wearable master hearing aid device for clinical studies.
- NO1NS-22317-03 (***) KREUL, E JAMES, MENLO PARK, CALIFORNIA. Three-phase screening program.
- NO1NS-22318-03 (***) GOLDSTEIN, MOISE H, JR, BALTIMORE, MARYLAND. Cuneiform and visual patterned stimulation communication aids for deaf infant.
- NO1NS-22319-02 (***) GOODE, GEORGE B JR, OAKLAND, CALIFORNIA. Risk factors for stroke.
- NO1NS-22321-03 (***) HARDY, JANET B, BALTIMORE, MARYLAND. Analyses of ancillary studies-perinatal project.
- NO1NS-22323-04 (***) REDMOND, ROBERT F, COLUMBUS, OHIO. Semiconductor gamma camera system for nuclear medicine.
- NO1NS-22326-02 (***) REITAN, RALPH M, SEATTLE, WASHINGTON. Human responses to head injury.
- NO1NS-22327-02 (***) STARR, EDWARD, CAMBRIDGE, MASSACHUSETTS. Wearable master hearing aid device for clinical studies.
- NO1NS-22329-02 (***) BOURKE, ROBERT S, BUFFALO, NEW YORK. No-reflow phenomenon (monkeys).
- NO1NS-22330-02 (***) SAZ, ARTHUR K, WASHINGTON, DISTRICT OF COLUMBIA. Effects of lipids on human and bacterial cells.
- NO1NS-22301-01 (***) ALLCOCK, NELSON R, ROCKVILLE, MARYLAND. Animal holding facilities and services.
- NO1NS-22302-01 (***) KORONES, SHELTON, MEMPHIS, TENNESSEE. Serum IgM antibodies from high risk infants.
- NO1NS-22303-02 (***) VINKEN, PIERRE J, PRINCETON, NEW JERSEY. Publication of Epilepsy Abstracts, Volume VI.
- NO1NS-22304-02 (***) BENNETT, STEPHEN W, HOUSTON, TEXAS. Epidemiological studies of stroke risk factors in Panama.
- NO1NS-22306-03 (***) CHASE, MICHAEL H, LOS ANGELES, CALIFORNIA. Operation of an information center in brain and other neurosciences.
- NO1NS-22307-01 (***) TANAGHO, EMIL A, SAN FRANCISCO, CALIFORNIA. Urinary bladder evacuation (mammals).
- NO1NS-22308-01 (***) NASHOLD, BLAINE M, DURHAM, NORTH CAROLINA. Electrical stimulation of spinal cord (mammals).
- NO1NS-22313-02 (***) BRUMMER, S BARRY, CAMBRIDGE, MASSACHUSETTS. Procedures for electrical stimulation of the nervous system.
- NO1NS-22315-01 (***) JONES, MARGARET, LOS ANGELES, CALIFORNIA. Infections in pregnancy (human).
- NO1NS-22319-02 (***) FRY, FRANCIS J, INDIANAPOLIS, INDIANA. Ultrasonic techniques for diagnosis of cerebral disorders (monkeys).
- NO1NS-22322-03 (***) CHADWICK, JOSEPH H, MENLO PARK, CALIFORNIA. Development of a wearable four-channel EEG cassette recording system (human).
- NO1NS-40044-02 0062 (***) NORMAN, JAMES, . Institutional change in regard to racial minority and women in NIMH.
- NO1NS-40044-01 0072 (***) MARSHALL, LOUISE H, . Institutional change in regard to racial minority and women in NIMH.
- NO1NS-42300-02 (***) CASTELLANO, GABRIEL A, BETHESDA, MARYLAND. Delivery of antigens and viral diagnostic reagents.
- NO1NS-42301-00 (***) MCKINNEY, ROBERT, BETHESDA, MARYLAND. Prepare and deliver various cell cultures.
- NO1NS-42302-00 (***) ADVANI, SUNDER H, MORGANTOWN, WEST VIRGINIA. Investigation of femur and head impact response (human).
- NO1NS-42303-00 (***) EARLE, KENNETH, BETHESDA, MARYLAND. Collection of serially sectioned brains.
- NO1NS-42304-00 (***) BARNES, RALPH W, WINSTON-SALEM, NORTH CAROLINA. Test of ultrasound techniques for cerebral disorders.
- NO1NS-42305-00 (***) MC CANDLESS, GEARY A, SALT LAKE CITY, UTAH. Development of a manual for impedance testing in children.
- NO1NS-42306-00 (***) CHOU, SHELLEY, MINNEAPOLIS, MINNESOTA. Isotope-bolus technique with contrast and isotope angiography.
- NO1NS-42307-00 (***) BRAUNSTEIN, PHILIP, NEW YORK, NEW YORK. Intravenous isotope scintillation angiography of brain in man.
- NO1NS-42303-00 (***) KORNGUTH, STEVEN E, MADISON, WISCONSIN. Ultracentrifugation and affinity chromatography in multiple sclerosis (human).
- NO1NS-42309-00 (***) MEINKE, WILLIAM J, LA JOLLA, CALIFORNIA. Detection of viral genomes in human neurological diseases.
- NO1NS-42310-00 (***) GUMMIT, ROBERT J, MINNEAPOLIS, MINNESOTA. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42311-00 (***) BOWAN, A JAMES, BRONX, NEW YORK. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42312-00 (***) BARTEE, EDWIN M, NASHVILLE, TENNESSEE. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42313-00 (***) WOODBURY, DIXON M, SALT LAKE CITY, UTAH. Feasibility study for a comprehensive epilepsy program.

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- NO1NS-42314-00 (**) NORTH, RICHARD R, DALLAS, TEXAS. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42315-00 (**) WARD, ARTHUR A, SEATTLE, WASHINGTON. Feasibility study for comprehensive epilepsy program.
- NO1NS-42316-00 (**) DOW, ROBERT S, PORTLAND, OREGON. Development of a comprehensive epilepsy center (human).
- NO1NS-42317-00 (**) RODIN, ERNST, DETROIT, MICHIGAN. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42318-00 (**) FINCHAM, R W, IOWA CITY, IOWA. Feasibility study for a comprehensive epilepsy program (human).
- NO1NS-42319-00 (**) DREIFUSS, F E, CHARLOTTEVILLE, VIRGINIA. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42320-00 (**) FREEMAN, JOHN M, BALTIMORE, MARYLAND. Feasibility study for a comprehensive epilepsy program.
- NO1NS-42321-00 (**) POSKANZER, DAVID C, BOSTON, MASSACHUSETTS. Study of multiple sclerosis in Scotland.
- NO1NS-42322-00 (**) KALIKOW, DANIEL N, CAMBRIDGE, MASSACHUSETTS. Instrument for assessing speech discrimination.
- NO1NS-42323-00 (**) WHITE, RICHARD E, NEW YORK, NEW YORK. Prescriptive fitting of wearable hearing aids (human).
- NO1NS-42324-00 (**) LOCKE, SIMON, BOSTON, MASSACHUSETTS. Critical age for language learning.
- NO1NS-42325-00 (**) ROGERS, LEYTON, SPRINGFIELD, VIRGINIA. Housing and care of animals in infectious virus studies.
- NO1NS-42326-00 (**) LASSMAN, FRANK M, MINNEAPOLIS, MINNESOTA. Analysis of speech language and hearing deficits (human).
- NO1NS-42327-00 (**) BERMAN, NANCY, BETHESDA, MARYLAND. Systems analysis and programming for perinatal data.
- NO1NS-42328-00 (**) PLUM, FRED, NEW YORK, NEW YORK. Prediction of outcome of patients with coma.
- NO1NS-42329-00 (**) WOOD, DON H, WASHINGTON, DISTRICT OF COLUMBIA. Prognosis after stroke (human).
- NO1NS-42330-00 (**) JENDEN, DONALD J, LOS ANGELES, CALIFORNIA. Metabolism of dimethoxymethyl phenobarbital (human).
- NO1NS-42331-00 (**) BABB, THOMAS L, LOS ANGELES, CALIFORNIA. Electrical stimulation of the cerebellum (monkeys).
- NO1NS-42332-00 (**) BANTLI, HEINRICH, MINNEAPOLIS, MINNESOTA. Electrical stimulation of cerebellum (monkeys).
- NO1NS-42333-00 (**) HOUSER, OTIS, ROCHESTER, MINNESOTA. Tomography in cerebrovascular disease (human).
- NO1NS-42334-00 (**) HORVITZ, DANIEL G, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Head and spinal cord injury (human).
- NO1NS-42335-01 (**) GOLDMAN, ALFRED E, PHILADELPHIA, PENNSYLVANIA. Incidence, prevalence and costs of multiple sclerosis (human).
- NO1NS-42336-00 (**) MAFFEO, C, ROCKVILLE, MARYLAND. Incidence, prevalence and costs of intracranial neoplasms.
- NO1NS-42337-00 (**) HEYMAN, ALBERT, DURHAM, NORTH CAROLINA. Detection of TIA in an elderly community (human).
- NO1NS-60933-10 (**) SHKERT, ROBERT G, ROCHESTER, MINNESOTA. Bibliographic service on cerebrovascular diseases.
- NO1NS-60940-13 (**) ADAMS, RAYMOND D, CAMBRIDGE, MASSACHUSETTS. Cytomyelo and dendritic-architecture of the monkey brain.
- NO1NS-70082-15 (**) WARD, GERALD M, NEW YORK, NEW YORK. Slow virus infections of the central nervous system in man.
- NO1NS-80004-12 (**) SCOTT, T MC NAIR, PHILADELPHIA, PENNSYLVANIA. Research in pregnancy factors and resultant child outcome.
- NO1NS-80006-10 (**) BIRNIE, HARRY M, BUFFALO, NEW YORK. Research in pregnancy factors and resultant child outcome.
- NO1NS-80007-10 (**) SELLMAN, ADOLPH H, NEW ORLEANS, LOUISIANA. Perinatal research project.
- NO1NS-80009-12 (**) FISCH, ROBERT O, MINNEAPOLIS, MINNESOTA. Perinatal research project.
- NO1NS-80010-08 (**) CLARK, WILLIAM, PORTLAND, OREGON. Perinatal research project.
- NO1NS-80011-11 (**) DE LA BURDE, BRIGHTIE, RICHMOND, VIRGINIA. Perinatal research project.
- NO1NS-80012-13 (**) HARDY, JANET B, BALTIMORE, MARYLAND. Perinatal research project.
- NO1NS-80013-08 (**) LIPSITT, LEWIS P, PROVIDENCE, RHODE ISLAND. Perinatal research project.
- NO1NS-80014-08 (**) YESSAYAN, LIZA, BOSTON, MASSACHUSETTS. Perinatal research project.
- NO1NS-80017-12 (**) KORONES, SHEDDON B, MEMPHIS, TENNESSEE. Pregnancy factors and resultant child outcome.
- NO1NS-80993-10 (**) GREER, WILLIAM E, BATON ROUGE, LOUISIANA. Supporting services on viral research project (monkeys).
- NO1NS-81310-08 (**) BROCK, JOSEPH T, NEW CASTLE, INDIANA. Anti-convulsant properties of albutoin (human).
- NO1NU-04117-05 (**) KNOPP, LUCILLE, NEW YORK, NEW YORK. Analysis of the career pattern study of the impact of the nurse training act.
- NO1NU-04147-09 (**) D'ALLESANDRO, VINCENT, TRENTON, NEW JERSEY. Study home health agencies for most effective use of nurse manpower.
- NO1NU-14073-03 (**) SKROVAN, CLARENCE, HOUSTON, TEXAS. Role of nurse as family health worker.
- NO1NU-24000-04 (**) IBRAHIM, MICHEL A, CHAPEL HILL, NORTH CAROLINA. Evaluate role and effectiveness of family nurse practitioner.
- NO1NU-24022-06 (**) LUNDE, RUTH M, ST PAUL, MINNESOTA. Inter-state regional planning-nursing.
- NO1NU-24171-01 (**) KAUFFMAN, MARGARET C, PHILADELPHIA, PENNSYLVANIA. Development of computerized record system for nursing.
- NO1NU-24217-01 (**) FERBER, BERNARD, CHICAGO, ILLINOIS. Questionnaire survey of nursing personnel in AHA hospitals.
- NO1NU-24264-04 (**) SLOAN, FRANK A, GAINESVILLE, FLORIDA. Analysis of economic incentives.
- NO1NU-24290-02 (**) WILLIAMS, THOMAS F, ROCHESTER, NEW YORK. Progress of patients with selected chronic conditions.
- NO1NU-24297-06 (**) LEVENSON, GOLDIE, NEW YORK, NEW YORK. Automatic data processing systems in nursing agencies.
- NO1NU-24299-03 (**) JELINEK, RICHARD C, CHICAGO, ILLINOIS. Monitoring quality nursing care.
- NO1NU-24301-02 (**) RUDOV, MELVIN H, PITTSBURGH, PENNSYLVANIA. Attitudes of high school students toward the nursing profession.
- NO1NU-24318-05 (**) JEFFERSON, RUBY M, ROCHESTER, NEW YORK. Nurse recruitment program.
- NO1NU-24320-01 (**) RIDDICK, POSTINE, HAMPTON, VIRGINIA. Search for leaders in nursing thru consortium.
- NO1NU-24321-03 (**) SWEET, LEONORE R, LAC DU FLAMBEAU, WISCONSIN. Involvement nurse recruitment program.
- NO1NU-24326-02 (**) CADENA, MAXINE, EL PASO, TEXAS. Disadvantaged students in associate degree program.
- NO1NU-34003-03 (**) BURTON, ROBERT W, RIVERDALE, MARYLAND. Survey of public health nursing.
- NO1NU-34014-02 (**) BAXTER, CHARLES R, DALLAS, TEXAS. Course for nursing care in burns.
- NO1NU-34034-02 (**) YERGAN, LAURA H, ST THOMAS, U S VIRGIN ISLANDS. Nurse manpower data in U.S. Virgin Islands.
- NO1NU-34036-01 (**) WILCOX, JANE, JACKSONVILLE, FLORIDA. Management information system for community/public health nursing services.
- NO1NU-34064-02 (**) SULTZ, HARRY A, ALBANY, NEW YORK. Longitudinal study to evaluate nurses in extended roles.
- NO1NU-44011-00 (**) ULLMAN, CHARLES D, CORAL GABLES, FLORIDA. Training program for registered nurses to become family nurse practitioners.
- NO1NU-44012-00 (**) , ANN ARBOR, MICHIGAN. Pediatric nurse practitioner program.
- NO1NU-44014-00 (**) DEMPSEY, J E, DENVER, COLORADO. Core program for primary health care nurses.
- NO1NU-44015-00 (**) DEMPSEY, J E, SALT LAKE CITY, UTAH. Training for registered nurses to become family nurse practitioners.
- NO1NU-44016-00 (**) RESNIK, BARBARA A, SAN FRANCISCO, CALIFORNIA. A program of training for adult health nurse practitioners.
- NO1NU-44072-00 (**) MARSICO, TERESA, NEWARK, NEW JERSEY. Program of training for nurse midwives.
- NO1NU-44128-00 (**) JOEL, LINDA, SPRINGFIELD, OHIO. Refresher training program for nurse midwives.
- NO1NU-44121-00 (**) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Implement follow-up study of 1972 inventory of registered nurses.
- NO1NU-44122-00 (**) BONDER, SETH, ANN ARBOR, MICHIGAN. Impact of National Health Care system changes on nurse manpower.
- NO1NU-44123-00 (**) JONES, DALE C, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Analysis of trends in nurse supply.
- NO1NU-44125-00 (**) BONHAM, D W, CHICAGO, ILLINOIS. Curriculum model for community nurse practitioners.
- NO1NU-44126-00 (**) KELLY, PATRICIA A, BURLINGTON, VERMONT. Computerized medical record and nursing components of patient care.
- NO1NU-44127-00 (**) SLOAN, KENNETH W, COLUMBUS, OHIO. Predictors of successful nursing performance.
- NO1NU-44128-00 (**) LINDEMAN, CAROL, BOULDER, COLORADO. Compilation of nursing research instruments.
- NO1NU-44129-00 (**) GREENWAY, JAMES H, ANN ARBOR, MICHIGAN. Trace nature and extent of federal influence and impact on nursing.
- NO1NU-44130-00 (**) FERGUSON, ALAN D, WELLESLEY, MASSACHUSETTS. Continuing education of nurses.
- NO1NU-44132-00 (**) WARDEN, GAIL, CHICAGO, ILLINOIS. A course for nurses as specialists in geriatric nursing.
- NO1NU-44133-00 (**) CARL, MARY K, NEWARK, DELAWARE. Study of school nursing practice.
- NO1NU-44134-00 (**) SHELTON, TONEY, TACOMA, WASHINGTON. Demonstration of school nurse practitioner.
- NO1NU-44135-00 (**) BURSIEK, RALPH, CINCINNATI, OHIO. Advanced level nursing of thermal injuries.
- NO1NU-44136-00 (**) LAKE, WILLIAM M, WASHINGTON, DISTRICT OF COLUMBIA. Data processing support.
- NO1NU-44144-00 (**) DEMPSEY, J E, NEW YORK, NEW YORK. Development of a plan for state licensure of foreign nurse graduates.
- NO1NU-44157-00 (**) BARSTOW, MERTON C, CAMBRIDGE, MASSACHUSETTS. HMO demonstration centers-nursing.
- NO1NU-44159-00 (**) KOOPMAN, JAMES, OMAHA, NEBRASKA. Mobility into nursing.
- NO1NU-44160-00 (**) LOSAW, WILLIAM, ROCKVILLE, MARYLAND. Expansion of nursing environment information system data base.
- NO1NU-44162-00 (**) MARTIN, ROBERT R, RICHMOND, KENTUCKY. Cooperative nursing project.
- NO1NU-44204-00 (**) NOT APPLICABLE, RESTON, VIRGINIA. Conference facilities for "Decadal role in BA and high degree nursing" conference.
- NO1NU-44205-00 (**) NOT APPLICABLE, SILVER SPRING, MARYLAND. Conference facilities for "Doctoral manpower in nursing" conference.
- NO1NU-44206-00 (**) NOT APPLICABLE, WASHINGTON, DISTRICT OF COLUMBIA. Facilities for nursing services conference.
- NO1NU-44215-00 (**) HARRIS, JEAN L, RICHMOND, VIRGINIA. Family nurse practitioner program.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

- NO1NU-44216-00 (**) MILLIGAN, JEAN B, BURLINGTON, VERMONT. Family nurse practitioner program.
- NO1NU-44217-00 (**) AIKONS, HELEN L, BOSTON, MASSACHUSETTS. Training for adult nurse practitioners.
- NO1NU-44218-00 (**) SCHWARTZ, MARY J, COLUMBUS, OHIO. Family nurse practitioner program.
- NO1NU-44219-00 (**) GETCHEL, NBL, NASHVILLE, TENNESSEE. Family nurse practitioner program.
- NO1NU-44220-00 (**) PEASE, DANIEL L, RENO, NEVADA. Rural nurse practitioner program.
- NO1NU-44222-00 (**) OTWELL, RAYMOND C, JR, ATLANTA, GEORGIA. Training for adult nurse practitioners.
- NO1NU-44234-00 (**) WEAVER, CHARLES H, KNOXVILLE, TENNESSEE. Mobility into nursing.
- NO1OD-32109-04 (**) NARIN, FRANCIS, CHICAGO, ILLINOIS. Evaluation of linkage between research publications and NIH funding.
- NO1OD-40044-02 0060 (**) HARMON, LINDSEY R, . Institutional change in regard to racial minority and women in NMH.
- NO1OD-42145-00 (**) STANLEY, R, COLUMBUS, OHIO. Instructional course entitled program officials guide to contracting.
- NO1OD-42152-00 (**) SCHEFFLER, RICHARD M, CHAPEL HILL, NORTH CAROLINA. Economic return to training in bioscience.
- NO1OD-42160-00 (**) JAFFE, SIDNEY, ROCKVILLE, MARYLAND. Development of a price deflator for biomedical research.
- NO1OD-42163-00 (**) DONOVAN, GAIL, CHARLOTTESVILLE, VIRGINIA. Conference facilities for the Nat'l Inst Hlth project officers course.
- NO1OD-42175-00 (**) MCGINNIS, ROBERT, ITHACA, NEW YORK. Statistical models to reflect federal policy changes on biosciences.
- NO1PE-24225-02 (**) ROZELLE, RALPH, WILKES BARRE, PENNSYLVANIA. Curriculum for pre-professional health science course.
- NO1PE-24238-04 (**) REDIG, DALE F, SAN FRANCISCO, CALIFORNIA. Feasibility of development and operation of a school of health professions.
- NO1PE-24240-03 (**) SCHWARZ, M ROY, SEATTLE, WASHINGTON. Experimental program of decentralized medical education.
- NO1PE-24241-02 (**) WELLINGTON, JOHN S, SAN FRANCISCO, CALIFORNIA. EEO in US schools of the health professions.
- NO1PE-24276-02 (**) WESTON, DONALD, EAST LANSING, MICHIGAN. Integrated modular education system in Michigan.
- NO1PE-24327-03 (**) OAKS, WILBUR W, PHILADELPHIA, PENNSYLVANIA. Medical educational career curriculum for practice of family medicine.
- NO1PE-34070-04 (**) BOWER, ELI M, BERKELEY, CALIFORNIA. Implementation of experimental program in health sciences.
- NO1PE-34076-02 (**) PARKS, ROBERT B, MCLEAN, VIRGINIA. Develop and test certain medical residency survey instruments.
- NO1PE-34138-01 (**) GIBSON, COUNT A JR, STANFORD, CALIFORNIA. Primary care residency training.
- NO1PE-44074-00 (**) MAYBLUM, BERT L, BRONX, NEW YORK. Primary care residency program.
- NO1PE-44103-00 (**) GELHORN, ALFRED, NEW YORK, NEW YORK. Educational program in biomedical science.
- NO1PE-44140-00 (**) KING, DONALD W, DENVER, COLORADO. A basic science review course for US citizens.
- NO1PE-44142-00 (**) HUDSON, JAMES I, WASHINGTON, DISTRICT OF COLUMBIA. Institute on primary care and regional workshops.
- NO1PE-44163-00 (**) SEMPER, JUDITH, CAMBRIDGE, MASSACHUSETTS. Collaborative effort in health manpower development.
- NO1PE-44212-00 (**) GAYLES, JOSEPH N, ATLANTA, GEORGIA. Basic medical science program for the minority disadvantaged.
- NO1PE-44230-00 (**) VALLBONA, CARLOS, HOUSTON, TEXAS. Primary care residency program.
- NO1PE-44231-00 (**) DAWSON, BART H, PITTSBURGH, PENNSYLVANIA. Primary care residency program.
- NO1PE-44232-00 (**) GRIDER, HOWARD, EAST LANSING, MICHIGAN. Primary care residency program.
- NO1RR-04113-10 (**) CASTLEMAN, PAUL A, CAMBRIDGE, MASSACHUSETTS. Development of prophet system for computer.
- NO1RR-12501-02 (**) CLARK, WILLIAM A, ROCKVILLE, MARYLAND. Maintain collections of microorganisms and cell cultures.
- NO1RR-12524-15 (**) STREET, DAVID, MAYNARD, MASSACHUSETTS. PDP-10 computer.
- NO1RR-22019-06 (**) FRIESEN, DAVID D, WALTHAM, MASSACHUSETTS. Specialized remote-access, time-shared computer system.
- NO1RR-22098-10 (**) NUNNERY, ARTHUR, OKLAHOMA CITY, OKLAHOMA. Clinical information study.
- NO1RR-22102-09 (**) CHRISTOPHER, T GRAHAM, SEATTLE, WASHINGTON. Clinical information study.
- NO1RR-22104-13 (**) THOMPSON, HOWARD N, JR, HOUSTON, TEXAS. Clinical research and computer technology.
- NO1RR-22106-10 (**) GRONER, GABRIEL F, SANTA MONICA, CALIFORNIA. Clinical information study.
- NO1RR-32134-04 (**) POSTER, HENRY L, WILMINGTON, MASSACHUSETTS. Domestic production of Rhesus monkeys.
- NO1RR-40044-16 0011 (**) DUNHAM, CHARLES L, . Institutional change in regard to racial minority and women in NMH.
- NO1RR-40044-16 0012 (**) YAGER, ROBERT H, . Institutional change in regard to racial minority and women in NMH.
- NO1RR-42141-00 (**) CONAWAY, CLINTON H, SAN JUAN, PUERTO RICO. Ecology and breeding of sub-human primates.
- NO1RR-42147-04 (**) CASTLEMAN, PAUL A, CAMBRIDGE, MASSACHUSETTS. Design, development, evaluation of software programs for the 'PROPHET' system.
- NO1RR-42153-00 (**) GARVEY, JOSEPH J, JOUET, ILLINOIS. Conduct an accreditation program for laboratory animal care.
- NO1RR-42150-00 (**) DONOVICK, RICHARD, ROCKVILLE, MARYLAND. Maintain collections of strains of microorganisms and cell cultures.
- NO1RR-42160-00 (**) HADFIELD, MICHAEL G, HONOLULU, HAWAII. Dev. of lab. mariculture techniques for aplysia, related marine gastropods.
- NO1RR-42169-00 (**) FAY, RIMMON C, VENICE, CALIFORNIA. Dev. of lab. mariculture techniques for Aplysia, Hermissenda, Pleurobranchaea.
- NO1RR-42179-00 (**) DARROW, CLEMENT C, ROCKVILLE, MARYLAND. Breeding colony of rhesus monkeys.
- NO1RR-42180-00 (**) BOYD, DALE D, VIENNA, VIRGINIA. Breeding colony of rhesus monkeys.
- NO1RR-42184-00 (**) MOOR-JANKOWSKI, J, NEW YORK, NEW YORK. Nonhuman primate colonies for MH research.
- NO1RS-22111-03 (**) DEROOS, ROGER L, MINNEAPOLIS, MINNESOTA. Study of high-purity water.
- NO1RS-32137-00 (**) PHILLIPS, G B, RESEARCH TRIANGLE PARK, NORTH CAROLINA. Biohazards safety guide.
- NO1RS-42143-00 (**) GREER, WILLIAM E, NEW IBERIA, LOUISIANA. Provision of timed pregnant Macaca mulatta.
- NO1RS-42165-00 (**) NIEMANN, WENDELL H, TUXEDO, NEW YORK. Timed-pregnant baboons, Papio Papio.
- NO1RS-42177-00 (**) BLAKELY, GERALD A, SEATTLE, WASHINGTON. Provision of timed pregnant baboons (Papio Cynocephalus).
- NO1RS-42178-00 (**) MOORE, GARY T, SAN ANTONIO, TEXAS. Provision of beebon (Papio Cynocephalus) timed pregnancies.
- NO1RS-42181-00 (**) GREER, WILLIAM E, NEW IBERIA, LOUISIANA. Establishing and maintaining a breeding colony of rhesus monkeys.
- NO1RS-42182-00 (**) VALERIO, DAVID A, VIENNA, VIRGINIA. Breeding colony of rhesus monkeys.

** See GLOSSARY OF ABBREVIATIONS for explanation of contract numbers and Review Groups.

CAIRNS, JOHN
CAIRNS, ROBERT B
CALABRESI, PAUL
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CALASCIBETTA, FRANK M
CALDARELLI, DAVID
CALDINI, PAOLO
CALDWELL, DAVID K
CALDWELL, JACQUES R
CALDWELL, JAMES
CALDWELL, JOHN W
CALDWELL, P R B
CALDWELL, PETER R
CALDWELL, WILLIAM L
CALENDAR, RICHARD
CALENDAR, RICHARD
CALHOUN, JOHN C, JR
CALI, ANN
CALIGUIRI, LAWRENCE A
CALIKINS, JOSEPH L
CALLAHAN, EDWARD J
CALLAS, GERALD
CALLAWAY, ENOCH
CALNEK, BRUCE W
CALVERT, DEANE N
CALVERT, DEANE N
CALVIN, HAROLD I
CALVIN, MELVIN
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CALVIN, WILLIAM
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CALVIN, WILLIAM H
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CAMARGO, CARLOS
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CAMENGA, DAVID L
CAMERINO, PAT W
CAMERMAN, ARTHUR
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CAMERMAN, NORMAN
CAMERON, B F
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CAMERON, BRUCE F
CAMERON, J A
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CAMERON, JOHN R
CAMERON, PAT
CAMERON, R DONALD
CAMHI, JEFFREY M
CAMIN, JOSEPH H
CAMMER, WENDY
CAMP, LEO J
CAMPA, JUSTINIANO F
CAMPAGNONI, ANTHONY T
CAMPAGNE, ERNEST E
CAMPBELL
CAMPBELL, ALLAN M
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CAMPBELL, BENEDICT J
CAMPBELL, BENEDICT J
CAMPBELL, BYRON A
CAMPBELL, DAN H
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CAMPBELL, MAGDA
CAMPBELL, MARY M
CAMPBELL, MARY M
CAMPBELL, PRISCILLA A
CAMPBELL, REX R
CAMPBELL, RICHARD D
CAMPBELL, ROBERT
CAMPBELL, ROBERT
CAMPBELL, ROBERT
CAMPBELL, ROBERT
CAMPBELL, ROBERT A
CAMPBELL, T COLIN
CAMPBELL, WILLIAM
CAMPBELL, WILLIAM L
CAMPION, DAVID S
CAMPIONE, JOSEPH C
CAMPIONE, KENNETH M
CAMPO, ROBERT D
CAMPOS, JOSEPH J
CANADA, THOMAS R
CANALE-PAROLA, ERCOLE
CANARY, JOHN J
CANARY, JOHN J
CANARY, JOHN J
CANARY, JOHN J
CANARY, JOHN J
CANELLAS, PASQUALE A
CANDIA, OSCAR A
CANELLAKIS, E S
CANELLAKIS, EVANGELO S
CANELLAKIS, EVANGELO S
CANELLAKIS, EVANGELO S
CANELLAKIS, EVANGELO S
CANFIELD, ROBERT E
CANFIELD, ROBERT E
CANFIELD, ROBERT E
CANIZARO, PETER C
CANIZARO, PETER C
CANN, HOWARD
CANN, HOWARD M
CANN, JOHN R
CANNELL, CHARLES F
CANNOM, DAVID S
CANNOM, DAVID S
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CANNOM, BOB G
CANNON, H T
CANNON, J ALFRED
CANNON, JOSEPH E
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CANNON, PAUL J
CANNON, PAUL J
CANNON, PAUL J
CANNON, PAUL J
CANNON, PAUL J
CANNON, S
CANNON, S
CANOMY, JOHN P
CANOSA, FRANK L
CANTOR, CHARLES R
CANTOR, CHARLES R
CANTOR, FREDERIC, K
CANTOR, H
CANTOR, H
CANTOR, HARVEY I
CANTOR, MARJORIE H
CANTOR, MICHAEL B
CAPALDI, EGIDIO J
CAPALDI, ELIZABETH D
CAPECCHI, MARIO R
CAPERTON, E M
CAPIZZI, R L
CAPIZZI, R L
CAPIZZI, ROBERT L
CAPLAN S ROY
CAPLAN, ARNOLD I
CAPLES, STEPHEN P
CAPLOVITZ, DAVID
CAPLOW, MICHAEL
CAPP, MICHAEL PAUL
CAPPS, MARY J
CAPRA, DONALD J
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CAPRIOLI, RICHARD M
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TOLLES, WALTER E	NO1CB43955-00	TRAFTON, CLINTON L	RO1DA00115-03	TRUITT, EDWARD B	R01AA01416-01
TOLLIN, GORDON	R01AM15057-04	TRAGER, WILLIAM	RO1AI10640-03	TRUJILLO-CENOZ, OMAR	R01NS08669-05
TOLMACH, L J	RO1CA04483-15	TRAGER, WILLIAM	RO1AM08989-05	TRUJILLO, JOSE M	R01CA12687-03
TOLMAN, KEITH G	MO1RR00064-10 0035	TRAHAN, LUC J P	PO1CA13526-03 0007	TRUM, BERNARD F	PO6RR00401-05
TOMAR, RUSSELL H	MO1RR00229-09 0052	TRAHUE, M D	NO1CM45085-00	TRUMBLE, L	NO1GM42166-00
TOMASELLI, VINCENT P	RO1AM17267-01	TRAIGER, GEORGE J	RO1DA00890-01	TRUMMEL, CLARENCE L	R01DE03725-02
TOMASI, THOMAS B JR	RO1AM17554-01 0003	TRAINING CORPORATION		TRUMP, BENJAMIN F	NO1CP23206-02
TOMASI, THOMAS B JR	RO1AM17554-01 0008	AMERICA		TRUMP, BENJAMIN F	NO1CP43237-00
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TOMASI, THOMAS B JR	RO1AM17554-01 0007	TRAPANI, ROBERT J	S01RR05466-08	TRUMPOWER, BERNARD	PO1GM18470-03 0021
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TOMASI, THOMAS B JR	RO1AM17554-01 0002	TRAUB, ROBERT	R01AH4242-13	TRUSTEES, COLUMBIA UNIV	R01CA13759-02
TOMASI, THOMAS B, JR	RO1NS11612-01	TRAUGH, JOLINDA A	R01GM21424-01	TRYFIATES, GEORGE P	RO1EY00790-03
TOMASI, THOMAS B, JR	RO1AM17554-01	TRAUT, ROBERT R	RO1GM17924-04	TS'O, MARK O	R01CA13370-03
TOMASZ, ALEXANDER	RO1AI09423-05	TRAVELERS AID ASSN	NO1DA20021-01	TS'O, PAUL O	R01GM16066-07
TOMASZ, MARIA	R01AI08325-06	TRAVIS, JAMES	RO1HL14778-06	TS'O, PAUL O	R01HD06458-02
TOMINO, S	PO1GM19521-03 0008	TRAVIS, LUTHER B	MO1RR00073-12 0016	TSANG, REGINALD C	MO1RR00749-02 0026
TOMITA, TSUNEO	RO1EY00017-08	TRAVIS, LUTHER B	MO1RR00073-12 0062	TSAPOGAS, MAKIS J	RO1EY00794-01
TOMKINS, GORDON M	NO1CP33332-01	TRAVIS, LUTHER B	MO1RR00073-12 0002	TSAPOGAS, MAKIS J	R01HL15958-02
TOMKINS, GORDON M	PO1GM19527-03 0005	TRAYLOR, TEDDY G	RO1HL13581-07	TSERNOGLOU, DEMETRIUS	R01AM16038-03
TOMKINS, GORDON M	RO1GM17239-05	TRAYSTMAN, R	PO1HL10342-09 0019	TSIBRIS, JOHN C	PO1AM17433-01 0020
TOMLINSON M	PO1GM16436-06 0027	TRAYSTMAN, RICHARD J	PO1ES00454-06 0022	TSIEN, R W	R01HL13306-04
TOMSON, JOHN V	R18AA00169-03	TREADWELL, CARLETON R	RO1HL02033-20	TSIEN, RICHARD W	RO1EY01163-02
TONG, WINTON	RO1AM06439-12	TREIMAN, DONALD	RO1MH23806-01	TSO, MARK O	PO1ES00454-06 0023
TONNA, EDGAR A	R01DE03014-06	TREIMAN, DONALD	R01HD06438-02	TSO, P O P	PO1HD05671-03 0036
TONNA, EDGAR A	R01HD003677-07	TRELOAR, ALAN	S01RR05739-02	TSONG, Y Y	R01CA07339-10
TONNDORF, JUERGEN	RO1NS03654-13	TRELSTAD, R C	PO7RR00267-09 0106	TSOU, KWAN C	R01MH24189-01
TOOHEY, JOHN	PO2CA15688-01 0004	TREMBLAY, GEORGE C	PO1AM03564-15 0005	TSUBOI, KENNETH K	R26CA14917-02
TOOLAN, HELENE W	RO1CA07826-09	TREMBLAY, GEORGE C	RO1AM15186-06	TSUCHITANI, CHIYOKO	R01NS1218-02
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TOOLE, JAMES F	PO1NS06655-09	TRENTIN, JOHN J	PO1CA12093-04 0007	TUASON, VICENTE B	R01MH24969-01
TOOLE, JAMES F	PO1NS06655-09 0001	TRENTIN, JOHN J	PO1CA12093-04 0008	TUBERGEN, DAVID G	RO1AI11009-02
TOOLEY, WILLIAM	PO1NS06655-09	TRENTIN, JOHN J	PO1CA12093-04 0003	TUCCI, JOSEPH R	PO2CA13943-02 0051
TOOLEY, WILLIAM H	P17NS1101-02	TRENTIN, JOHN J	PO1CA12093-04 0002	TUCHMAN, JESSICA	PO1GM06965-15 0020
TOOLEY, WILLIAM H	PO1HL06285-14 0191	TRENTIN, JOHN J	PO1CA12093-04 0001	TUCHMAN, JESSICA	PO1GM06965-15 0056
TOOM, PAUL M	P17HL14201-04 0004	TRENTIN, JOHN J	PO1CA12093-04 0005	TUCKER, CLYDE E	PO1HL14985-03 0006
TOOTHMAN, P	P17HL14201-04 0006	TRENTIN, JOHN J	PO1CA12093-04 0006	TUCKER, DEREK F	PO1CA14195-01 0022
TOPEL, RICHARD	RO1ES00858-01	TRENTIN, JOHN L	PO1CA12093-04 0003	TUCKER, DOLORES	R18AA00085-02
TORACK, RICHARD	PO1GM15423-07 0025	TREPRENIER, D L	PO1CA12093-04 0002	TUCKER, DON	PO1NS08814-05
TORACK, RICHARD	MO1RR00081-12 0031	TRETIK, OLEH J	PO1CA12093-04 0001	TUCKER, GEOFFREY, T	PO1GM15991-06 0102
TORACK, RICHARD M	PO1NS06833-08 0011	TREVINO, M	PO1CA12093-04 0005	TUCKER, H ALLEN	R01HD05750-03
TORAN-ALLERAND, C D	RO1AM17485-01	TREVINO, ANTHONY J	PO1CA12093-04 0006	TUCKER, HARVEY J	MO1HR42964-00
TOREN, E CLIFFORD, JR	R01HD08364-01	TREZEK, GEORGE J	PO1CA12093-04 0006	TUCKER, VIRGINIA L	MO1RR00828-01 0007
TORGERSSEN, JUDITH	RO1GM10978-09	TRGOVCEVIC, Z	RO1CA03367-18	TUCKER, VIRGINIA L	MO1RR00828-01 0023
TORICK, EMIL	NO1CP33391-03	TRIANGLE INST	PO1HL05435-14 0033	TUCKER, W RANDOLPH	R18HS01193-02
TORNABENE, THOMAS G	NO1NS22316-03	TRIANANTHYLLOPOULOS, D	NO1CM33724-01	TULANE UNIV	NO1DA81520-09
TORNYOS, KARL	RO1ES01047-01	TRIBAL AMERICAN/TRAINING	NO1IAA20149-08	TULCHINSKY, DAN	MO1RR00425-06 0037
TORMIE, RICHARD J	R10CA13249-03	TRICE, HARRISON M	NO1AA00492-03	TULCHINSKY, DAN	MO1RR00425-06 0049
TORRES, F	PO1CA14043-01 0013	TRIER, JERRY S	RO1AM17537-02	TULINIUS, HRAFN	NO1CP02076-14
TORRES, FERNANDO	PO7RR00267-09 0073	TRIGGLE, DAVID J	R01HL16003-04	TULINIUS, HRAFN	NO1CB43973-00
TORRES, FERNANDO	PO1NS03364-12 0024	TRIMBLE, CLEVE	PO1GM20309-02 0015	TUMBLESON, MYRON E	RO1RR00390-06
TORRIANI-GORINI, A	PO1NS03364-12 0025	TRIMBLE, CLEVE	PO1GM20309-02 0003	TUNE, BRUCE	RO1RR00081-12 0023
TOSTESON M T	RO1GM09320-13	TRIMBLER, L	PO1GM09069-12 0101	TUNE, BRUCE M	RO1AM17647-01
TOSTESON, DANIEL C	PO1HL12157-07 0030	TRINER, L	PO1GM09069-12 0013	TUNG, ANTHONY K	RO1AM17558-01
TOSTESON, M T	PO1HL12157-07 0028	TRINKAUS, JOHN P	RO1HD07137-01	TUNG, KENNETH S	RO1HD32717-01
TOSTESON, M T	PO1HL12157-07 0027	TRINKAUS, JOHN P	RO1HD04144-16	TUNG, MILLIE	MO1RR00065-12 0004
TOUCHETTE, PAUL E	PO1HD05124-04 0005	TRUBAUGH, FRANK E, JR	PO1CA13343-02 0006	TUPPER, C J	S01RR05684-06
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TOUSTER, OSCAR	RO1CA07489-11	TROLL W	PO1CA13343-02 0010	TURCOTTE, JEREMIAH G	MO1RR00042-14 0014
TOVE, SAMUEL B	RO1AM02483-16	TROLL W	PO1CA13343-02 0009	TURCOTTE, JOSEPH G	PO2CA13943-02 0006
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TOWERS, SISTER ANNA	R18AA00484-03	TROLL WALTER	R26CA15315-02 0003	TURINO, GERARD M	MO1RR00645-03 0022
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 WATKINS, W DAVID
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 WATT, THOMAS B, JR
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 WAXMAN, ALAN D
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 WAY W L
 WAY, E LEONG
 WAY, JAMES L
 WAYLAND, BRADFORD B
 WAYLAND, HAROLD
 WAYMIRE, JACK C
 WAYMOUTH, CHARITY
 WAYNE COUNTY HEALTH DEPT
 WAYNER, MATTHEW J
 WAZIRI, RAFIG
 WEAKLY,
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 WEAR, GARY
 WEATHERHOLTZ, WILLARD M
 WEAVER, CHARLES H
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 WEAVER, ROBERT F
 WEAVER, WARREN E
 WEBB, G RICHARD
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 WEISS, GEORGE B
 WEISS, HAROLD S
 WEISS, HARVEY J
 WEISS, HARVEY J
 WEISS, HARVEY R
 WEISS, HERBERT
 WEISS, HERBERT
 WEISS, HERBERT
 WEISS, JORDAN B
 WEISS, JORDAN B
 WEISS, KARL
 WEISS, LEON P
 WEISS, LEONARD
 WEISS, MARVIN B
 WEISS, MICHAEL S
 WEISS, R J
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ZUNG, WILLIAM W K
ZURHEIN, GABRIELE M
ZURIER, ROBERT B
ZURIER, ROBERT B
ZURIF, EDGAR B
ZUSMAN, DAVID R
ZUSMAN, J
ZUSMAN, JACK

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ZUSPAN, FREDERICK P
ZVAIFLER, NATHAN J
ZWAAN, JOHAN J
ZWAAN, JOHANN
ZWEERINK, HENDRIK J
ZWEIDLER, ALFRED
ZWEIFACH, BENJAMIN W

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ZWEIMER, RAYMUND L
ZWENG, H CHRISTIAN
ZWICKER, GARY M
ZWILLING, BRUCE S
ZWISLOCKI, JOZEF J

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